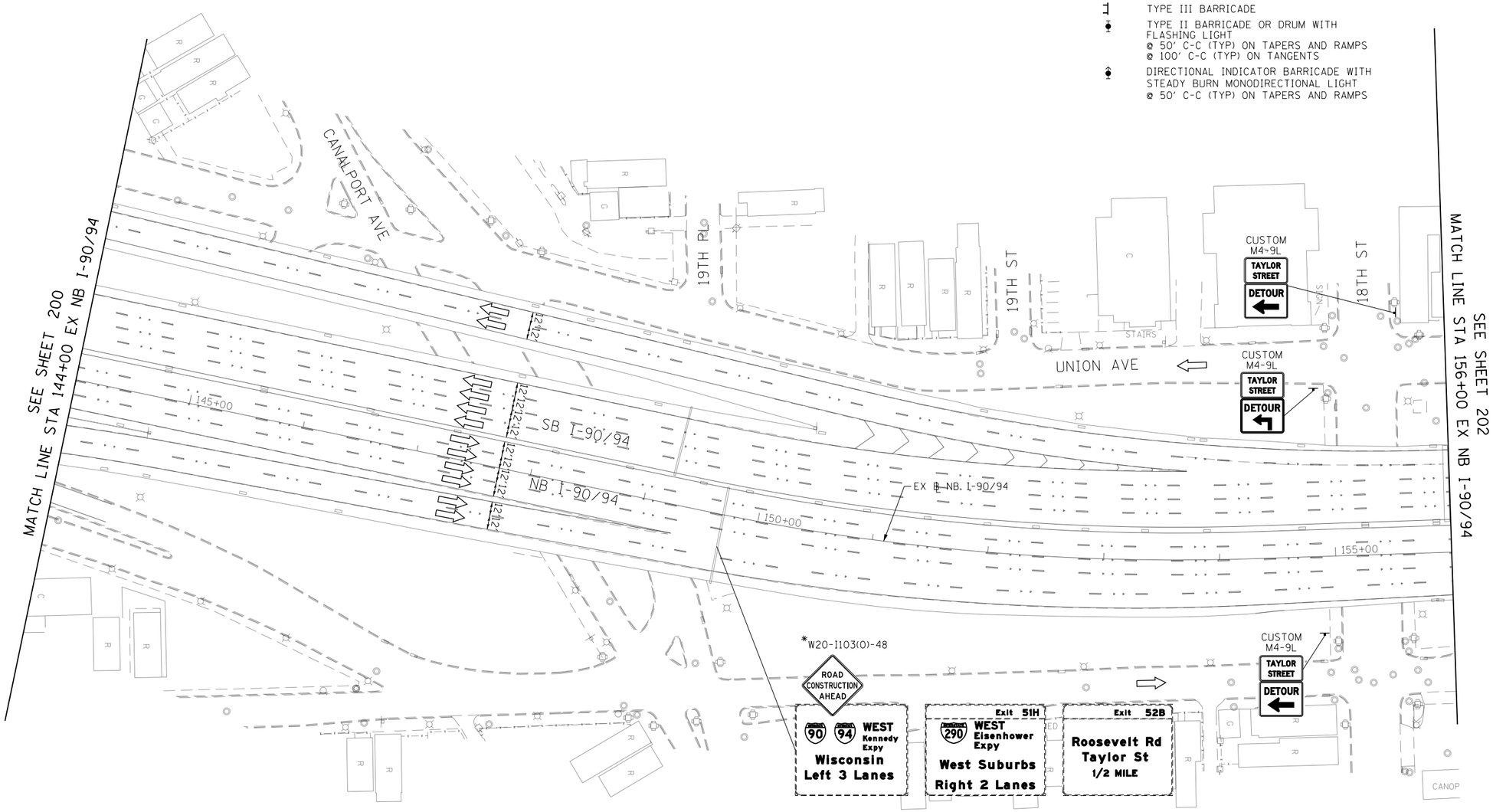
NOTES:
1. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

N

0 50 100
SCALE: 1"=50'




*FROM PREVIOUS STAGE TO REMAIN

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-2-03.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

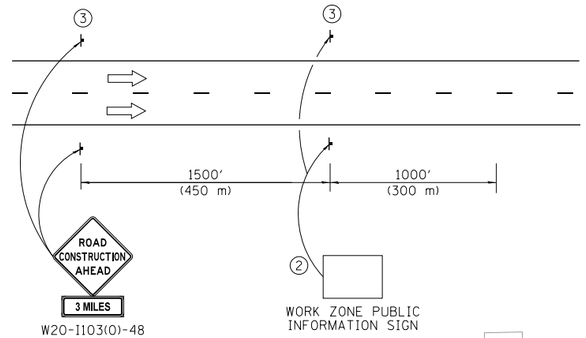
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 2**

SCALE: 1"=50' | SHEET 10 OF 19 SHEETS | STA. 144+00 TO STA. 156+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 201 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT



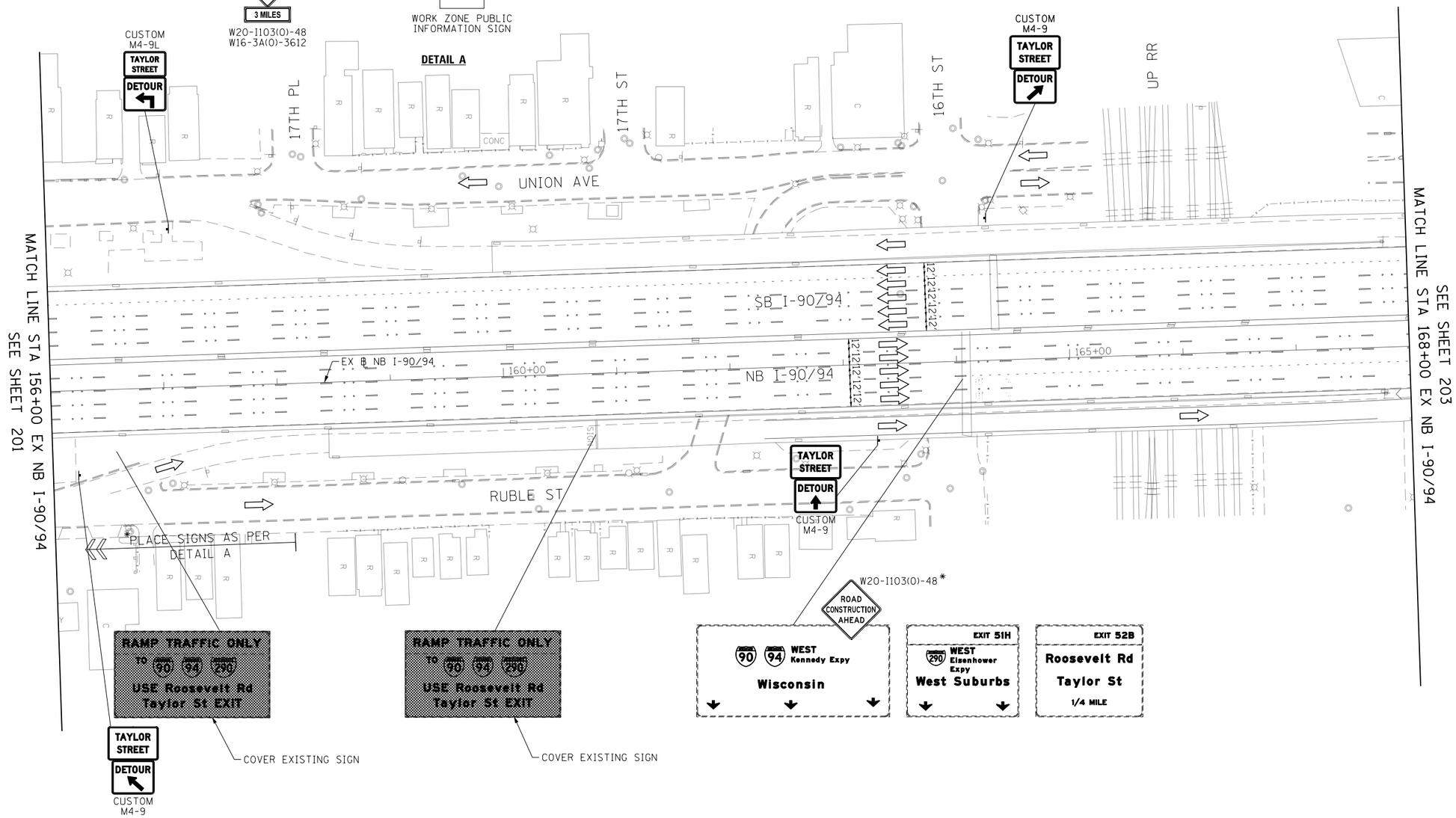

① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.

② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.

③ This sign shall be omitted when median width is less than 10' (3 m).

NOTES:
1. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS

0 50 100
SCALE: 1"=50'




*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

| | | | |
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| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

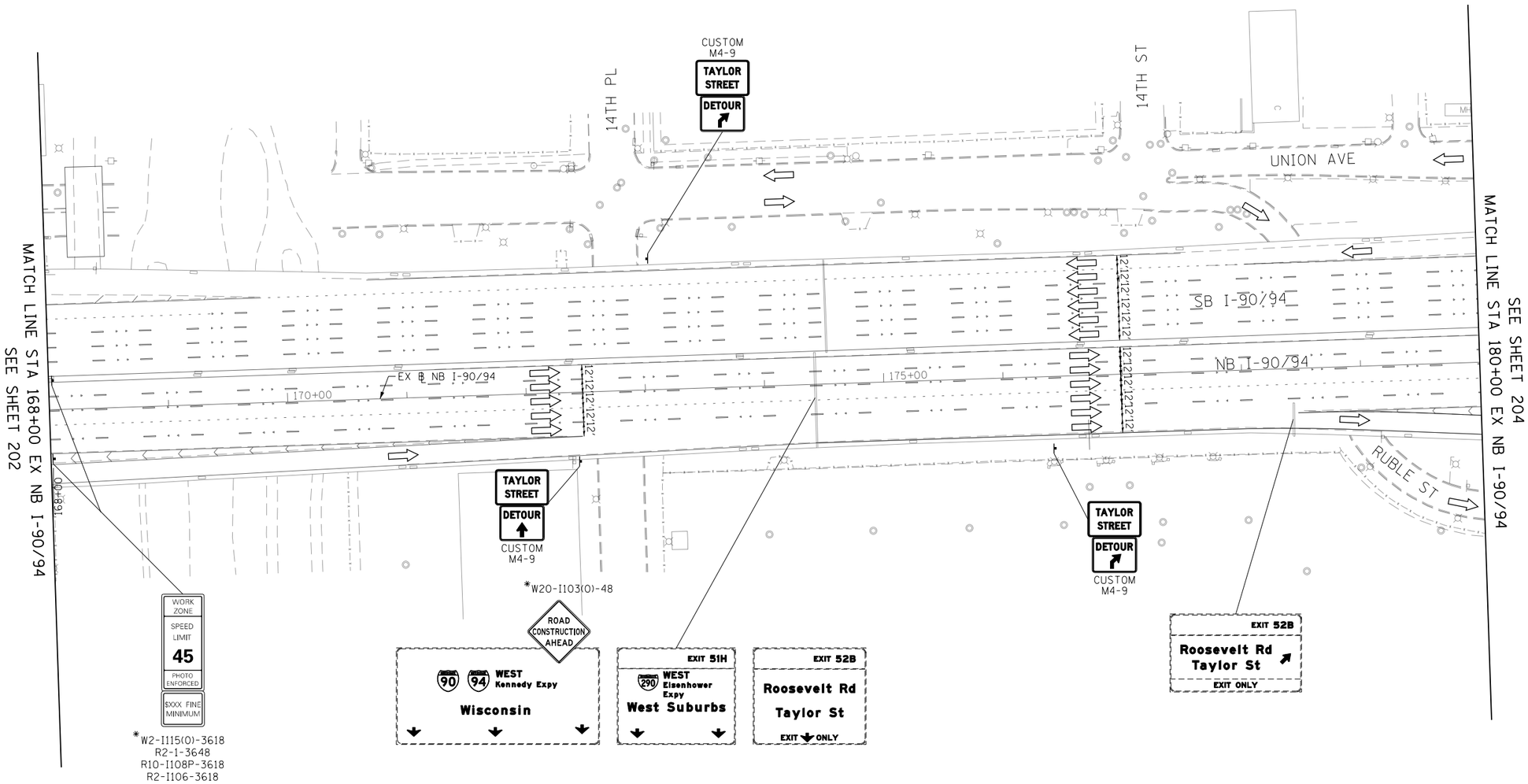
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
I-90/94 STAGE 2

SCALE: 1"=50' | SHEET 11 OF 19 SHEETS | STA. 156+00 TO STA. 168+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 202 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |

NOTES:
1. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS

0 50 100
SCALE: 1"=50'




*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

| | | | |
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| D160X79-Sht-STAGING-9094-2-05.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

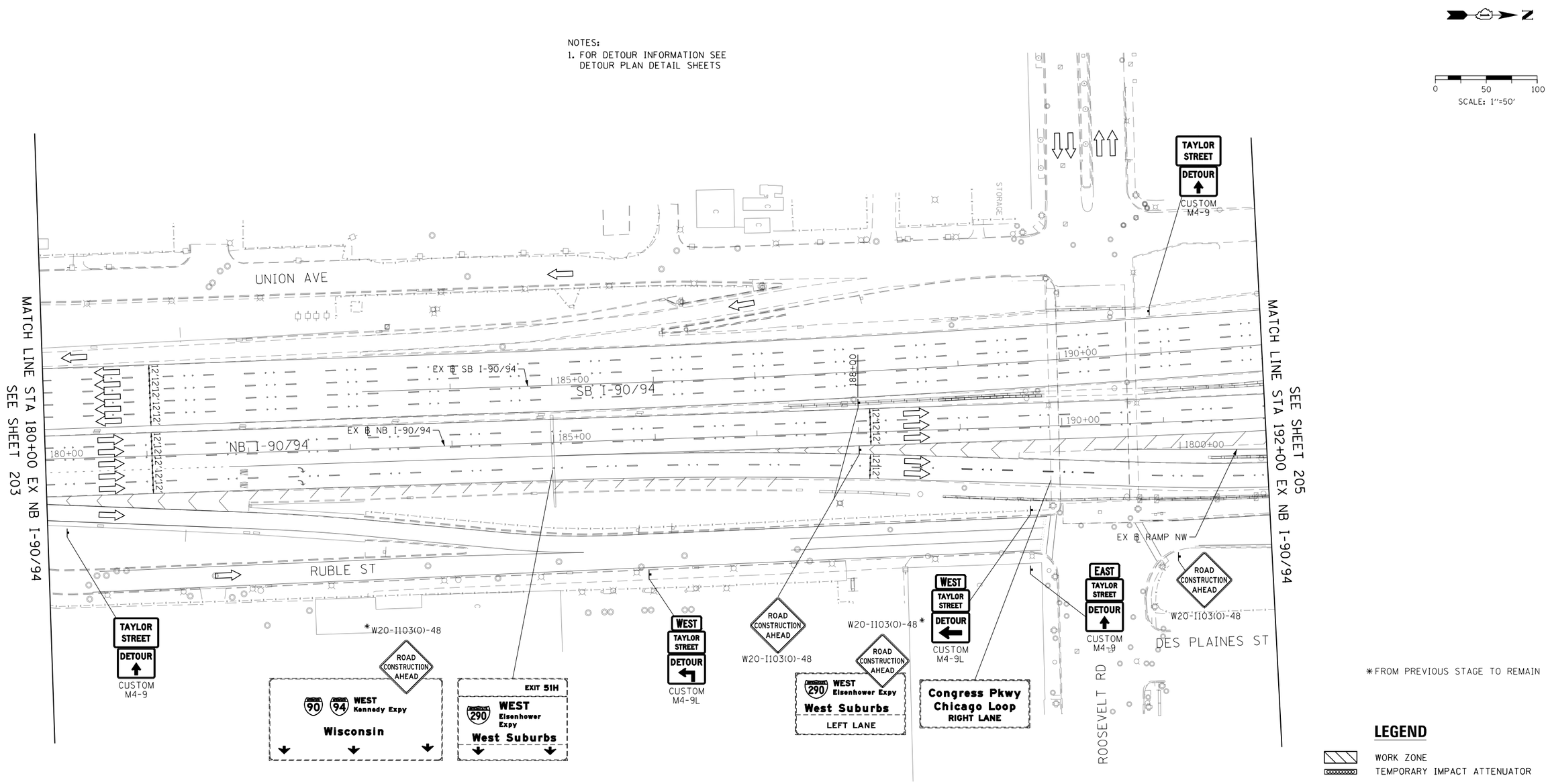
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: 1"=50' | SHEET 12 OF 19 SHEETS | STA. 168+00 TO STA. 180+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 203 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

NOTES:
1. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS




*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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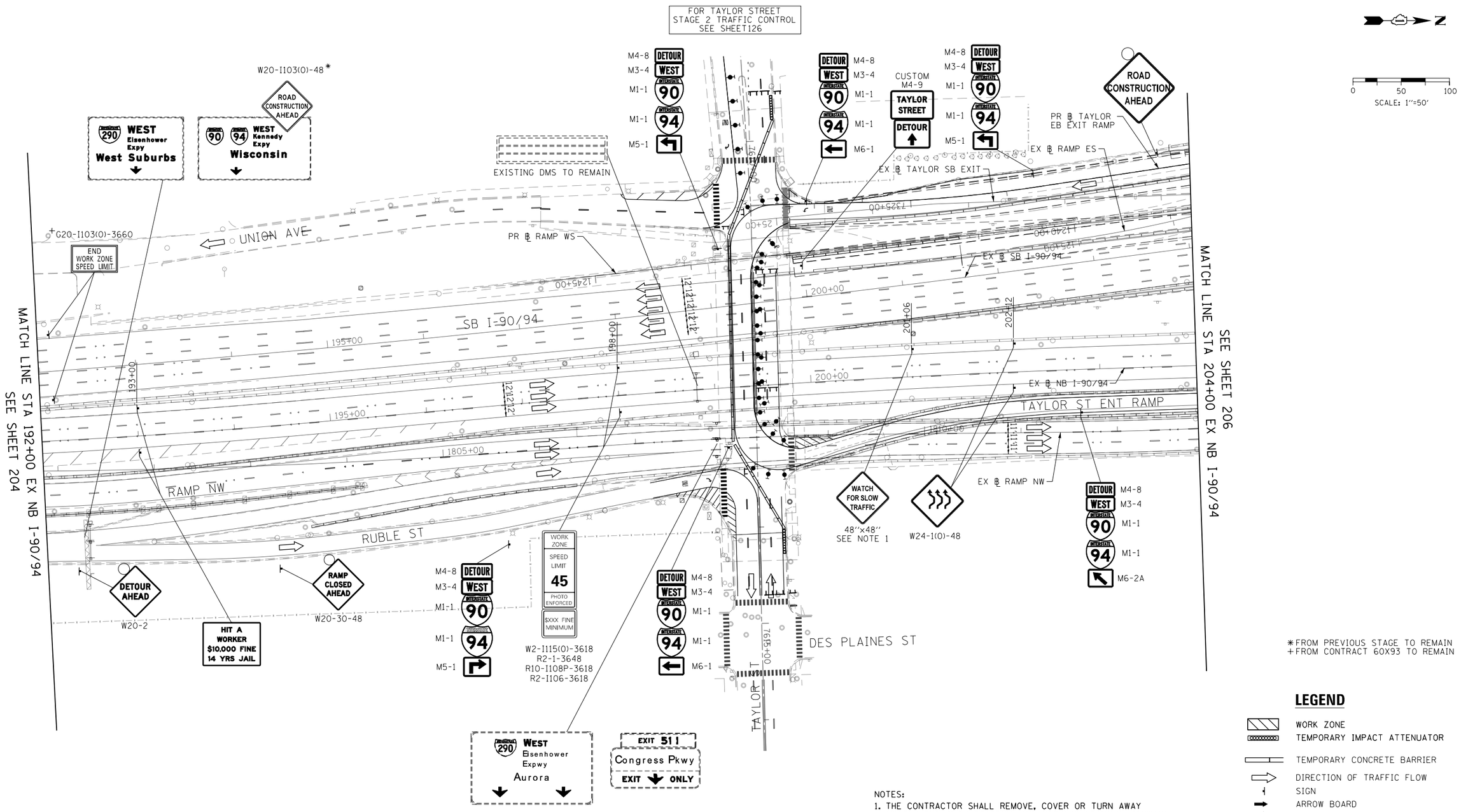
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: 1"=50' | SHEET 13 OF 19 SHEETS | STA. 180+00 TO STA. 192+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 204 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |




*FROM PREVIOUS STAGE TO REMAIN
+FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:

1. THE CONTRACTOR SHALL REMOVE, COVER OR TURN AWAY "WATCH FOR SLOW TRAFFIC" AND "TRUCKS LEAVING HIGHWAY" SIGNS WHEN FLAGGERS ARE NOT PRESENT.
2. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS.

FILE PATH = pw:\\61747a-PwINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002.CAD\006.Roadway\Sheets\60X79-Sht-STAGING-9094-2-07.dgn

TranSystems

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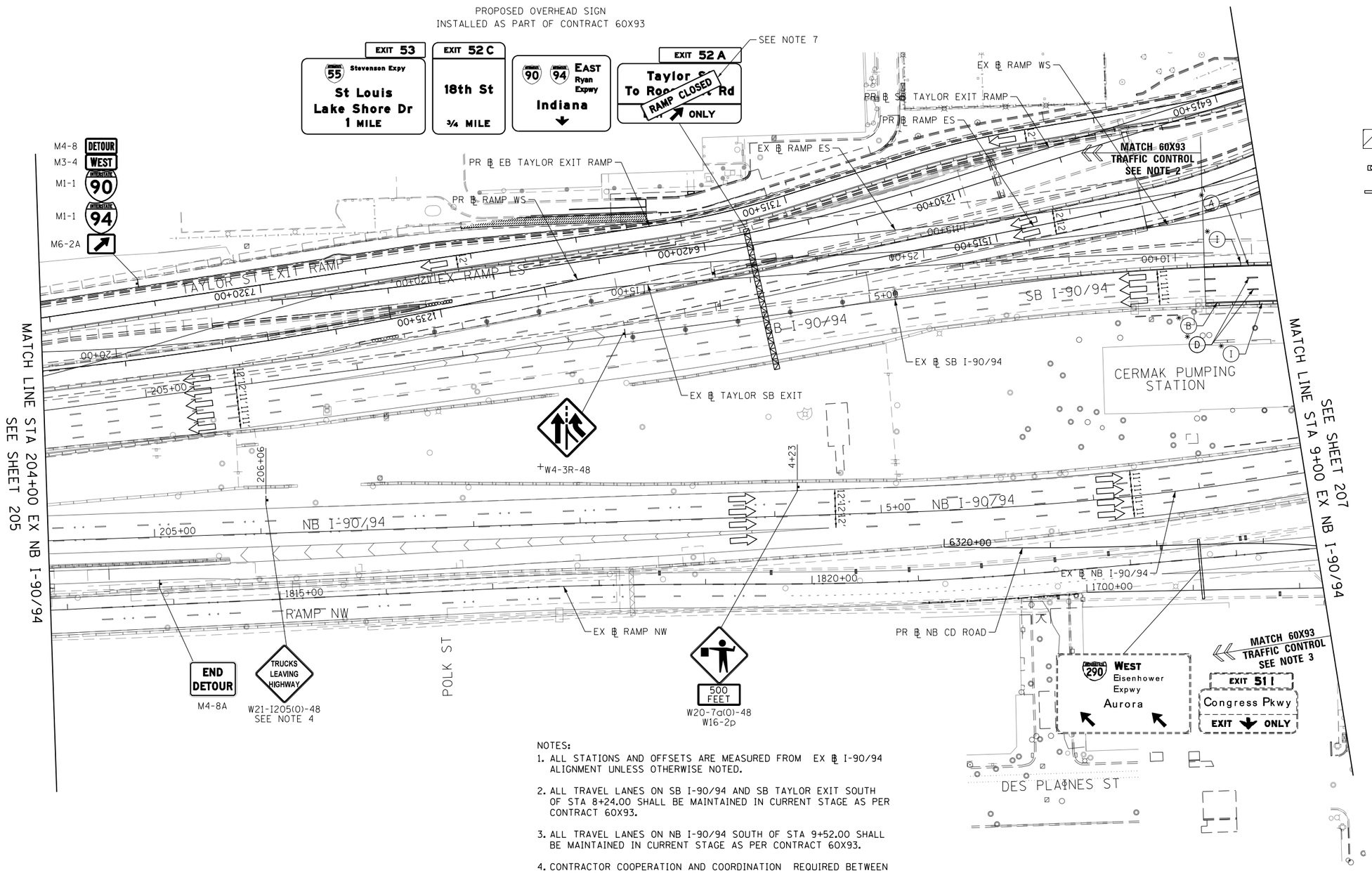
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

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

SCALE: 1"=50' | SHEET 14 OF 19 SHEETS | STA. 192+00 TO STA. 204+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 205 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.
2. ALL TRAVEL LANES ON SB I-90/94 AND SB TAYLOR EXIT SOUTH OF STA 8+24.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
3. ALL TRAVEL LANES ON NB I-90/94 SOUTH OF STA 9+52.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
4. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.
5. THE CONTRACTOR SHALL REMOVE, COVER OR TURN AWAY "WATCH FOR SLOW TRAFFIC" AND "TRUCKS LEAVING HIGHWAY" SIGNS WHEN FLAGGERS ARE NOT PRESENT.
6. FOR DETOUR INFORMATION SEE DETOUR PLAN DETAIL SHEETS.
7. INSTALLED BLACK ON ORANGE "RAMP CLOSED" PANEL ON DIAGONAL ACROSS EXISTING SIGN. SEE DISTRICT DETAIL TC-08 FOR PANEL DETAILS.

SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

* FROM PREVIOUS STAGE TO REMAIN
+ FROM CONTRACT 60X93 TO REMAIN

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TranSystems

| | | | |
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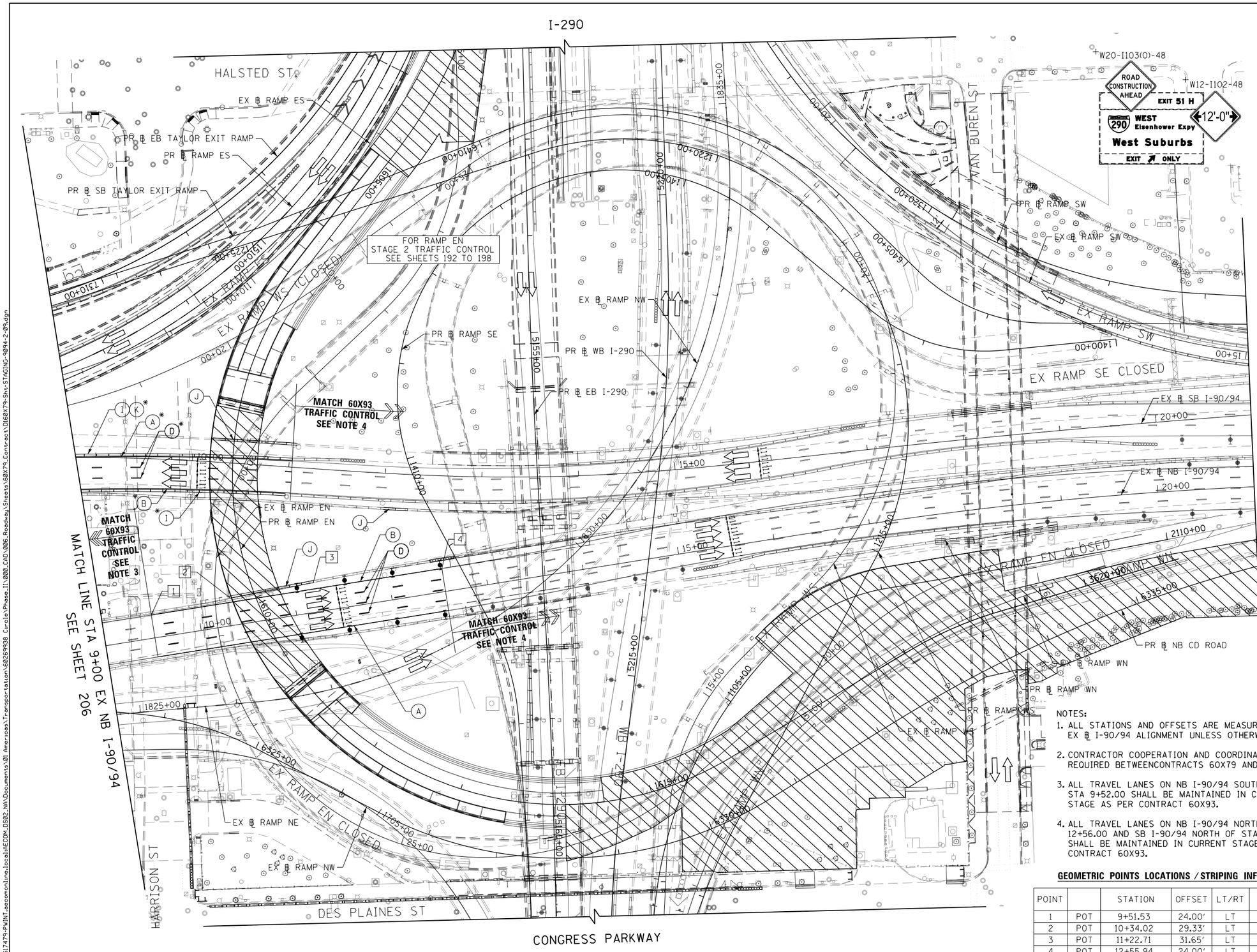
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

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

SCALE: 1"=50' | SHEET 15 OF 19 SHEETS | STA. 204+00 TO STA. 9+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 206 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




0 50 100
SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEENCONTRACTS 60X79 AND 60X93.
3. ALL TRAVEL LANES ON NB I-90/94 SOUTH OF STA 9+52.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
4. ALL TRAVEL LANES ON NB I-90/94 NORTH OF STA 12+56.00 AND SB I-90/94 NORTH OF STA 10+89.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.

**GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION**

| POINT | | STATION | OFFSET | LT/RT | BASELINE |
|---|---|---|---|---|---|
| 1 | POT | 9+51.53 | 24.00' | LT | E-KDR-NB |
| 2 | POT | 10+34.02 | 29.33' | LT | E-KDR-NB |
| 3 | POT | 11+22.71 | 31.65' | LT | E-KDR-NB |
| 4 | POT | 12+55.94 | 24.00' | LT | E-KDR-NB |

+ FROM CONTRACT 60X93 TO REMAIN

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TranSystems

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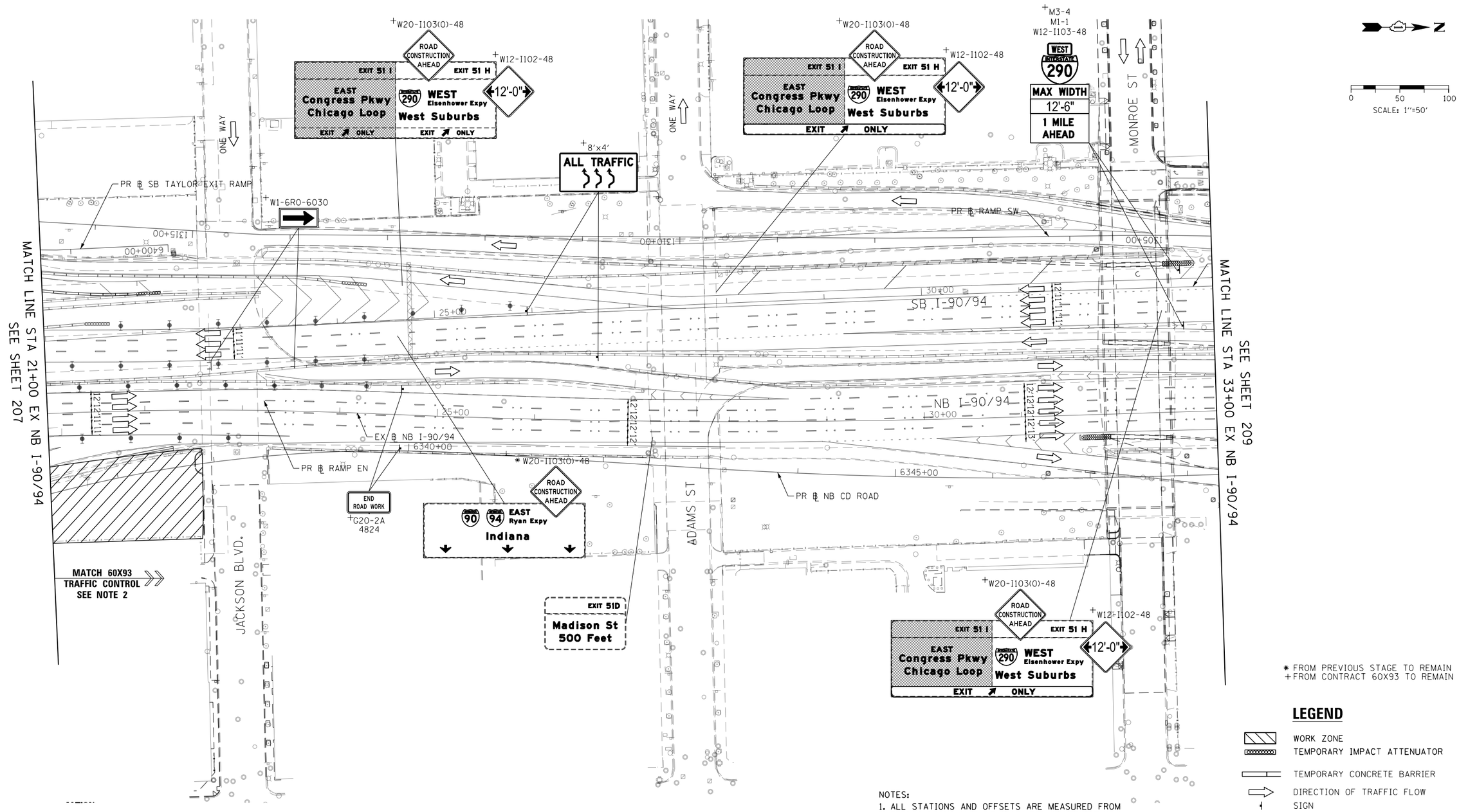
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

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

SCALE: 1"=50' | SHEET 16 OF 19 SHEETS | STA. 9+00 TO STA. 21+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 207 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |




* FROM PREVIOUS STAGE TO REMAIN
\+ FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.
2. ALL TRAVEL LANES ON NB I-90/94 NORTH OF STA 12+56.00 AND SB I-90/94 NORTH OF STA 10+89.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
3. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACT 60X79 AND 60X93.

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TranSystems

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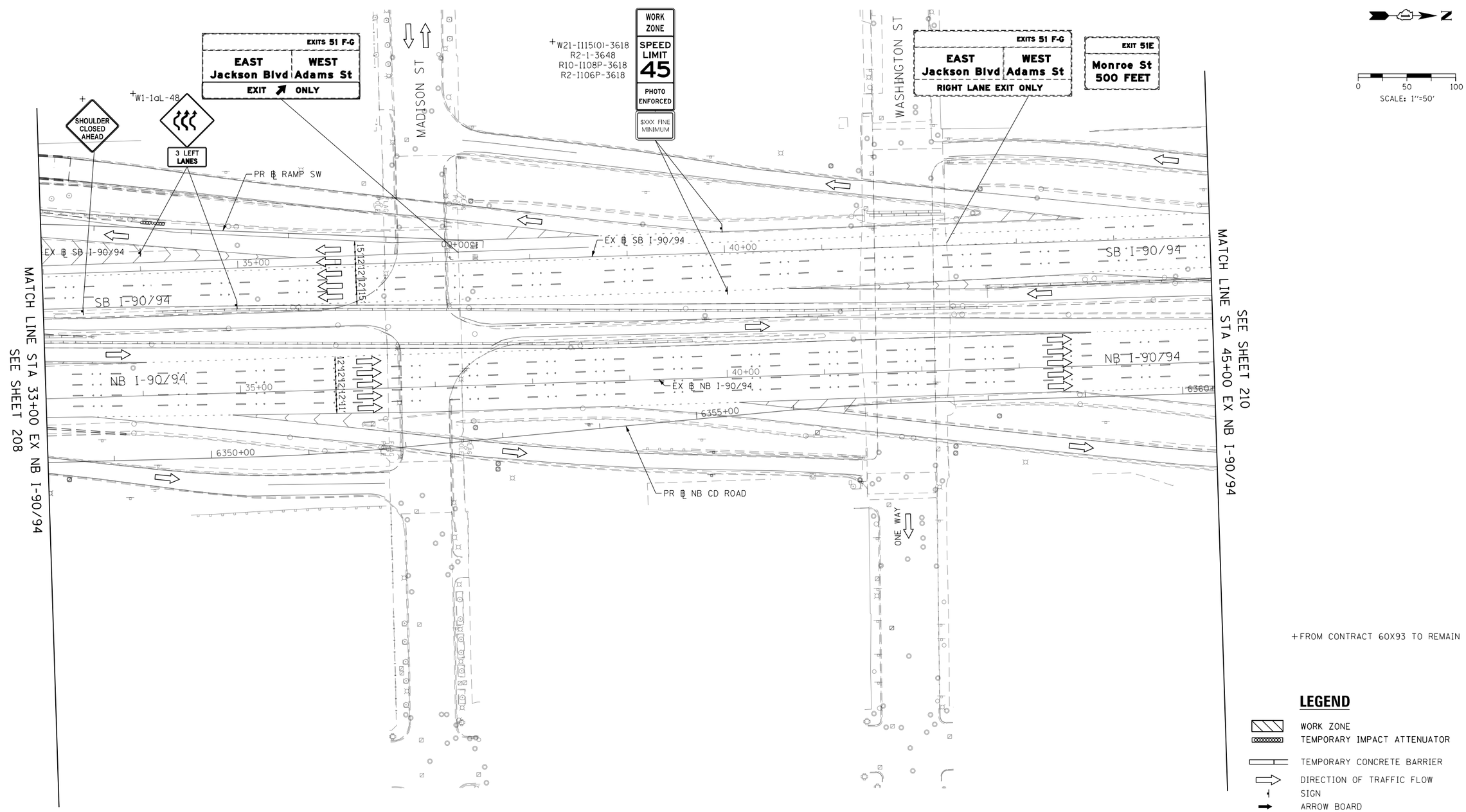
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

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

SCALE: 1"=50' | SHEET 17 OF 19 SHEETS | STA. 21+00 TO STA. 33+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 208 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




+FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
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- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.

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TranSystems

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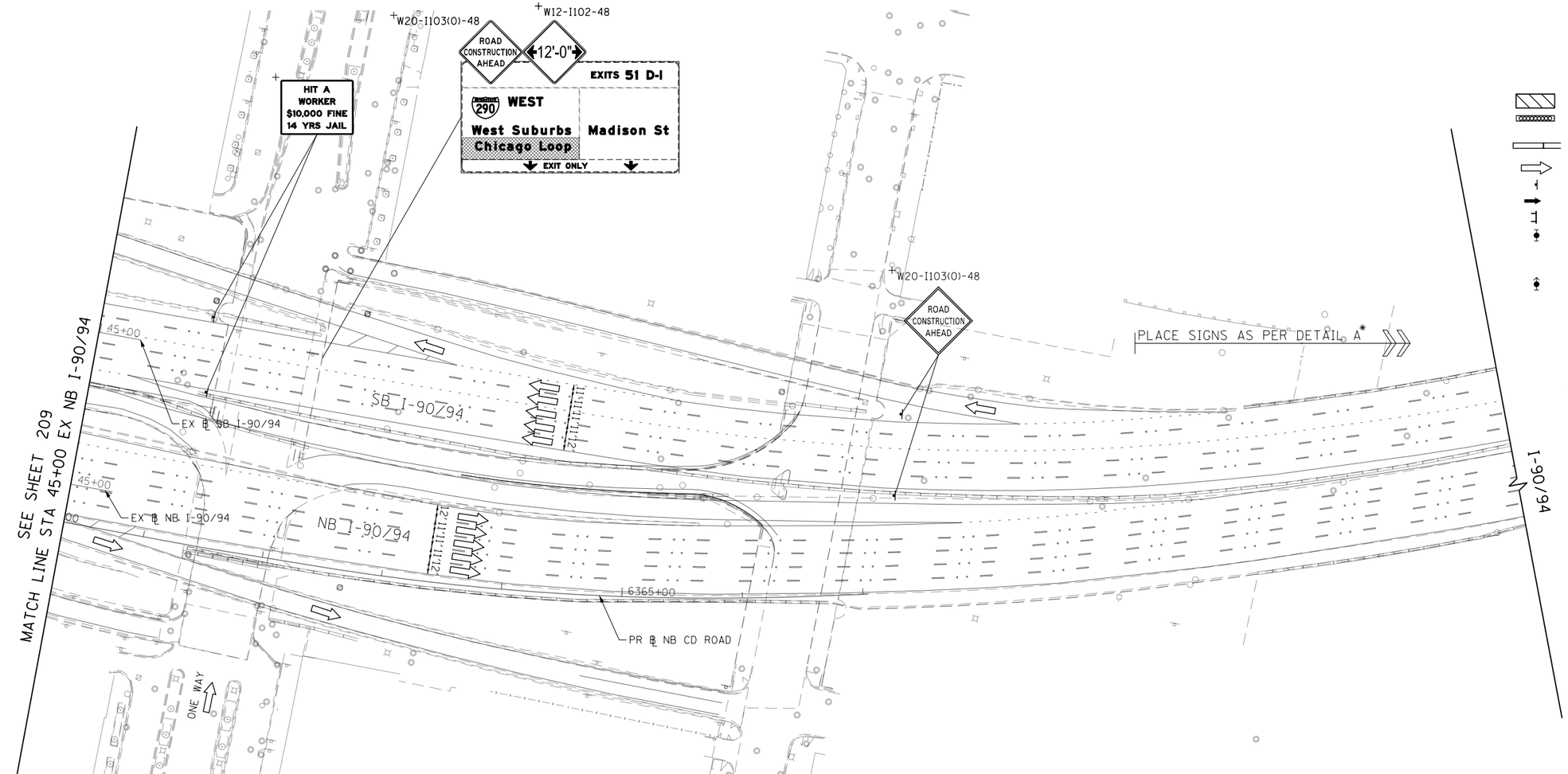
| USER NAME = mkwilson | DRAWN - VLJ | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

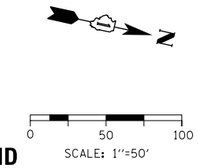
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

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

SCALE: 1"=50' | SHEET 18 OF 19 SHEETS | STA. 33+00 TO STA. 45+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 209 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

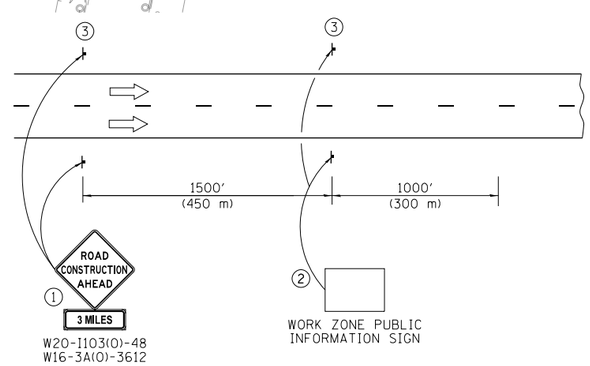



## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

+ FROM CONTRACT 60X93 TO REMAIN




**DETAIL A**

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

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-Sht-STAGING-9094-2-12.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-2-12.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

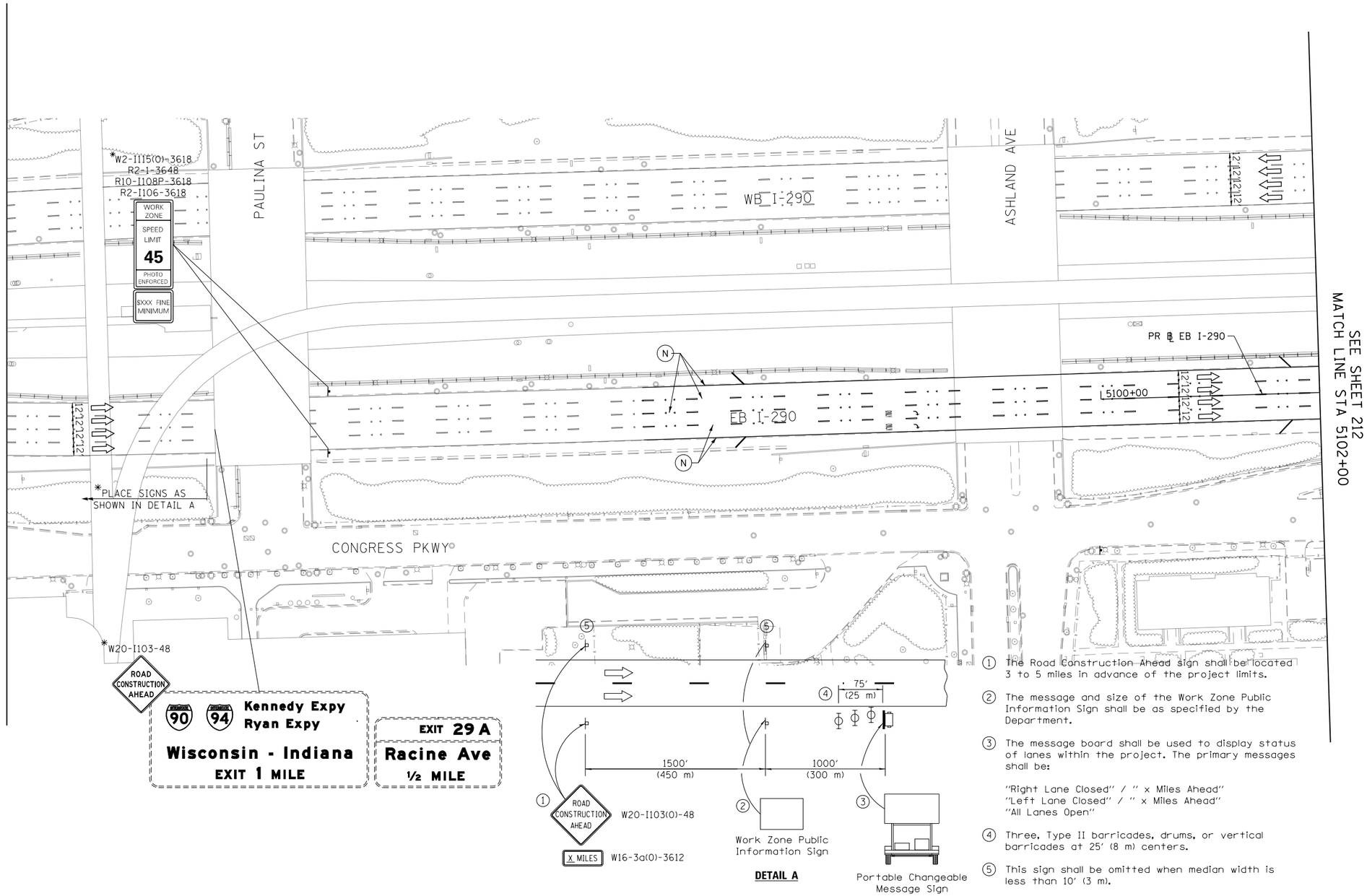
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 2**

SCALE: 1"=50' | SHEET 19 OF 19 SHEETS | STA. 45+00 TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 210 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)

(G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)

(H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS

(I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED

(J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED

(K) PINNING TEMPORARY CONCRETE BARRIER

(L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3

(M) IMPACT ATTENUATOR, RELOCATE

(N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION

(O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN

(1) The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.

(2) The message and size of the Work Zone Public Information Sign shall be as specified by the Department.

(3) The message board shall be used to display status of lanes within the project. The primary messages shall be:

"Right Lane Closed" / " x Miles Ahead"
"Left Lane Closed" / " x Miles Ahead"
"All Lanes Open"

(4) Three, Type II barricades, drums, or vertical barricades at 25' (8 m) centers.

(5) This sign shall be omitted when median width is less than 10' (3 m).

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79.Contract\DI60X79-SHT-STAGING-RAMP-EN-3-01.dgn

TranSystems

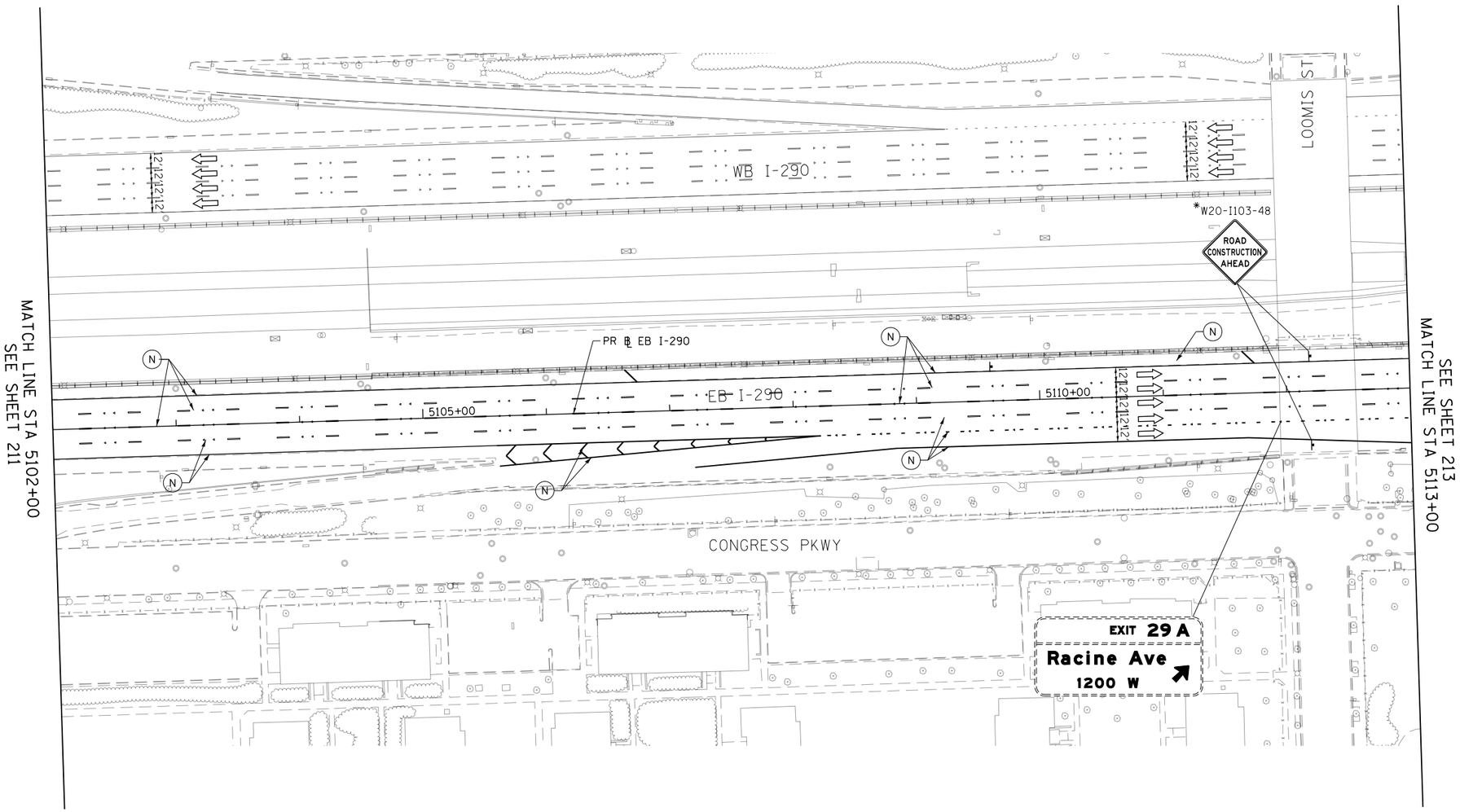
| | | | |
|---|---|---|---|
| DI60X79-SHT-STAGING-RAMP-EN-3-01.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**EASTBOUND I-290 STAGE 3**

SCALE: 1"=50' | SHEET 1 OF 19 SHEETS | STA. TO STA. 5102+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 211 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




N

0 50 100

SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002.CAD\006.Roadway\Sheets\60X79-SHT-STAGING-RAMP-EN-3-02.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-02.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

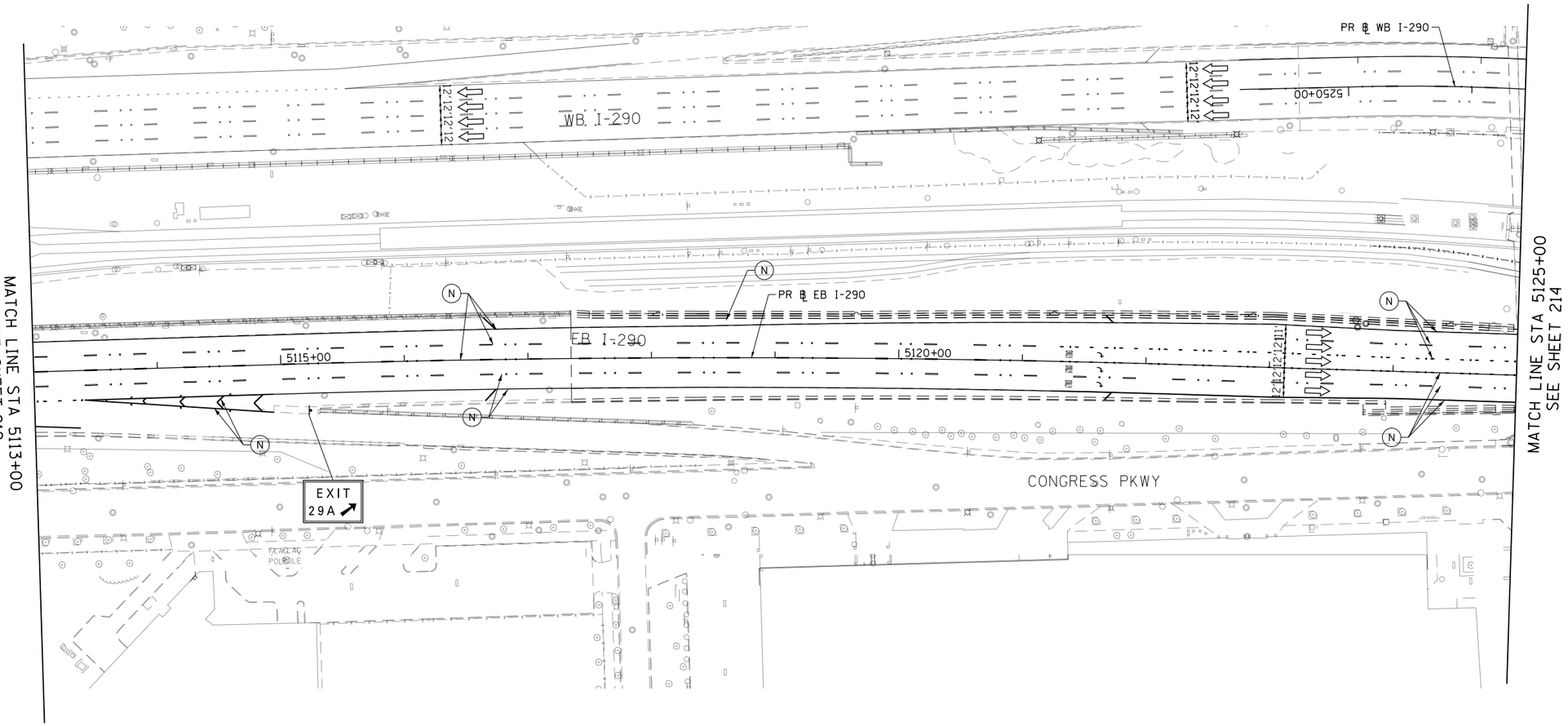
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**EASTBOUND I-290 STAGE 3**

SCALE: 1"=50' | SHEET 2 OF 19 SHEETS | STA. 5102+00 TO STA. 5113+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 212 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




N

0 50 100

SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-STAGING-RAMP-EN-3-03.dgn

TranSystems

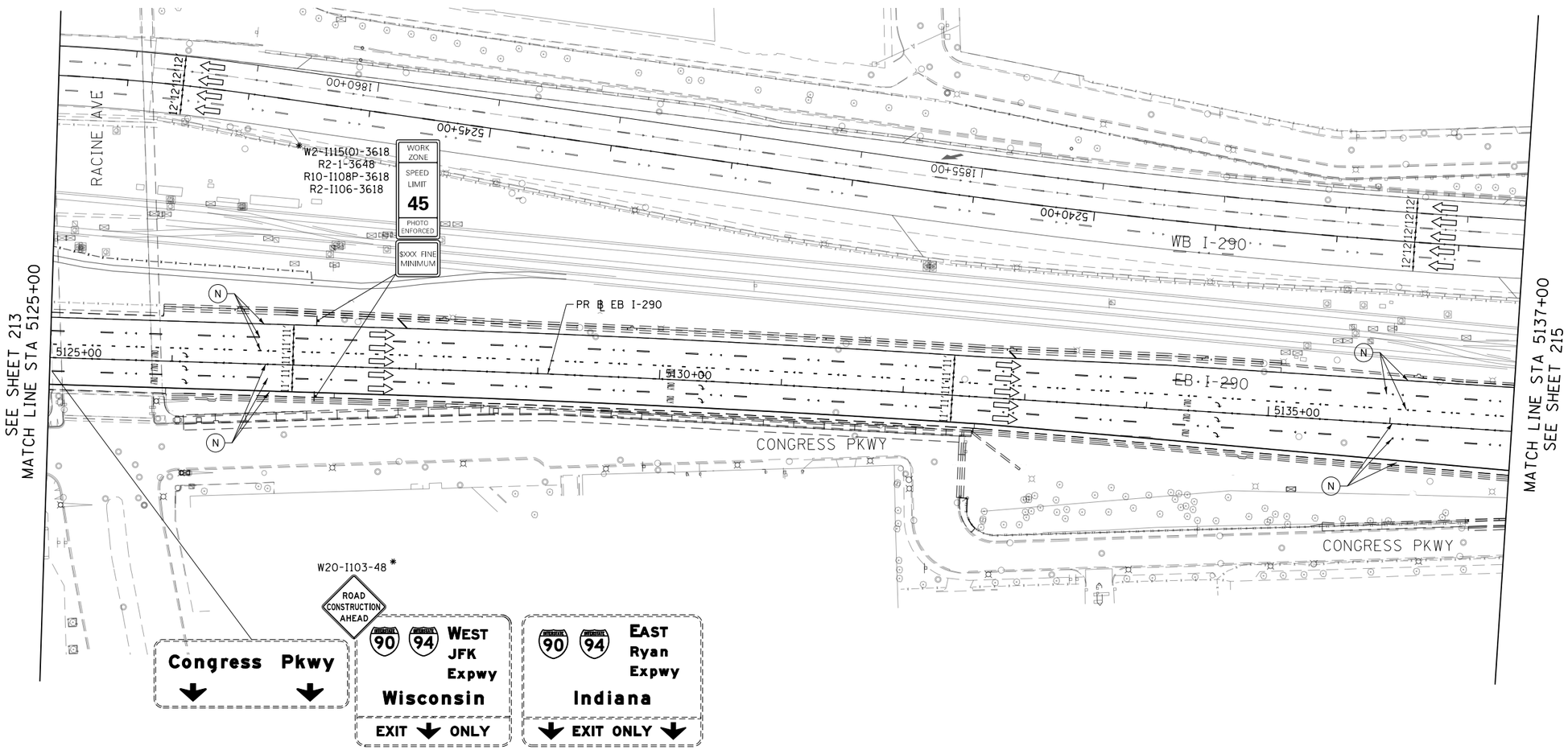
| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-03.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**EASTBOUND I-290 STAGE 3**

SCALE: 1"=50' | SHEET 3 OF 19 SHEETS | STA. 5113+00 TO STA. 5125+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 213 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




N

0 50 100
SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

* FROM PREVIOUS STAGE TO REMAIN
+ FROM CONTRACT 60X93 TO REMAIN

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\002_CAD\006_Roadway\Sheets\60X79-Contract\D160X79-SHT-STAGING-RAMP-EN-3-04.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-04.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
EASTBOUND I-290 STAGE 3

SCALE: 1"=50' | SHEET 4 OF 19 SHEETS | STA. 5125+00 TO STA. 5137+00

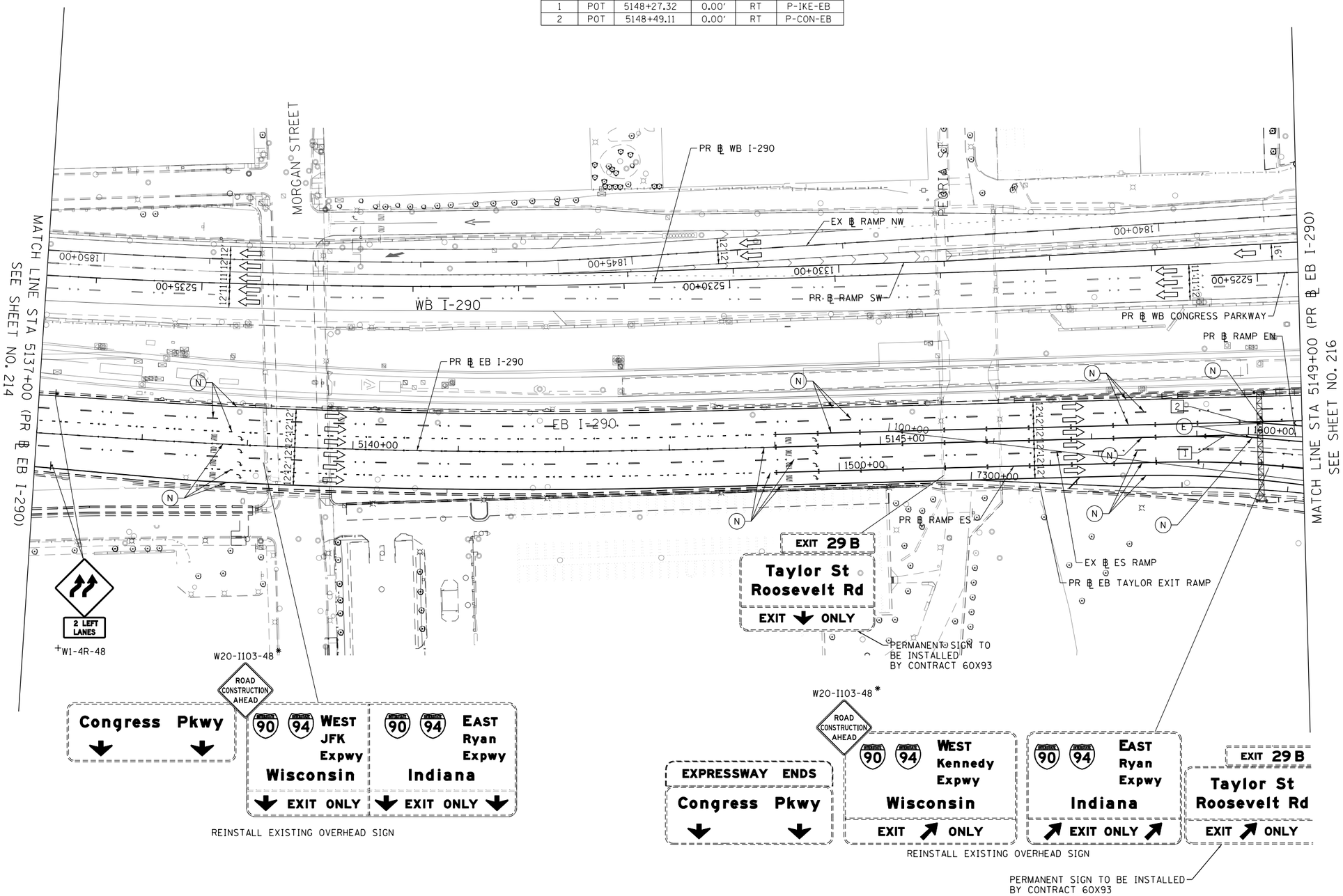
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 214 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

## GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION

| POINT | | STATION | OFFSET | LT/RT | BASELINE |
|---|---|---|---|---|---|
| 1 | POT | 5148+27.32 | 0.00' | RT | P-IKE-EB |
| 2 | POT | 5148+49.11 | 0.00' | RT | P-CON-EB |




N

0 50 100
SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
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- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN
+FROM CONTRACT 60X93 TO REMAIN

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-05.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
EASTBOUND I-290 STAGE 3

SCALE: 1"=50' | SHEET 5 OF 19 SHEETS | STA. 5137+00 TO STA. 5149+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 215 |

CONTRACT NO. 60X79

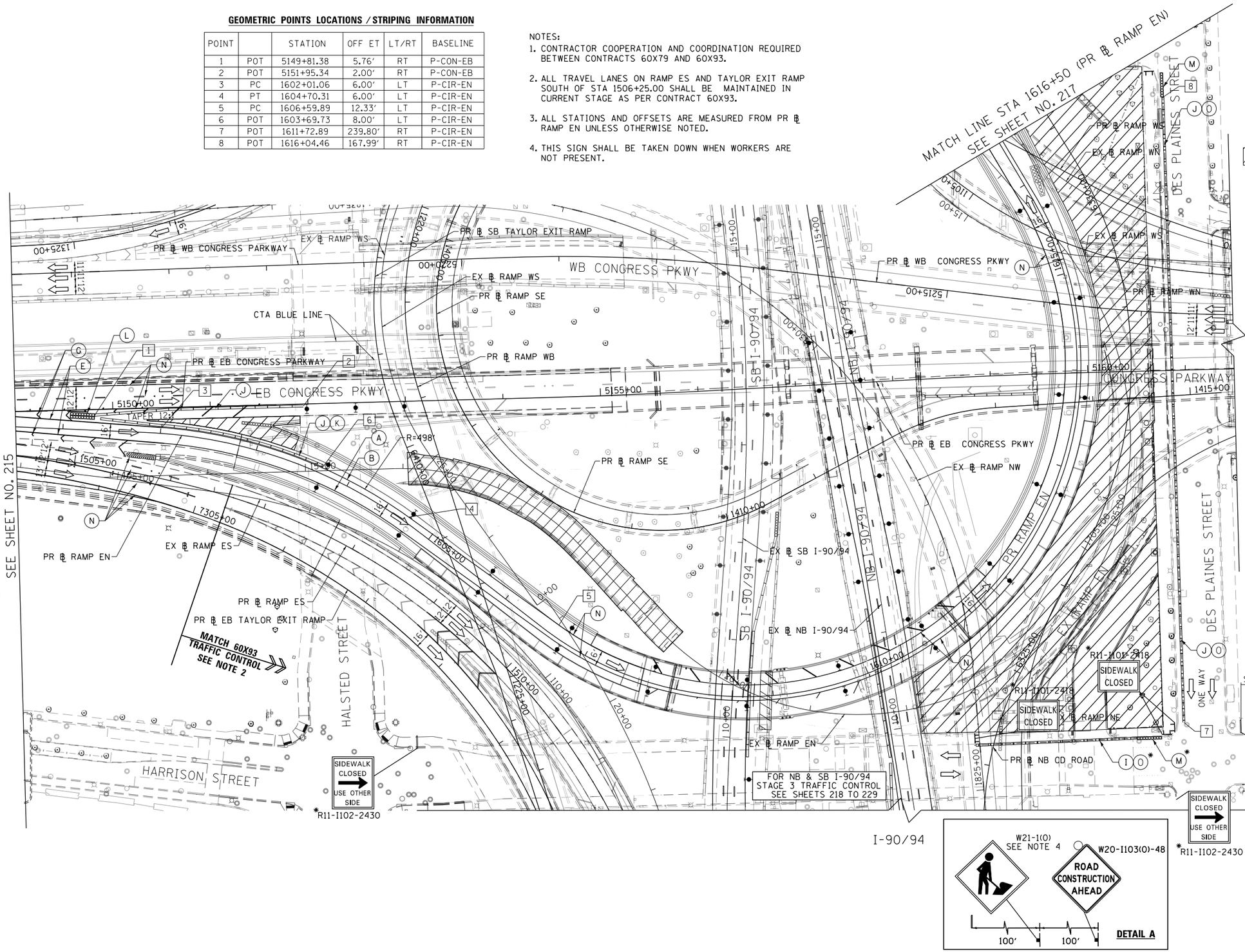
ILLINOIS FED. AID PROJECT

## GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION

| POINT | | STATION | OFF ET | LT/RT | BASELINE |
|---|---|---|---|---|---|
| 1 | POT | 5149+81.38 | 5.76' | RT | P-CON-EB |
| 2 | POT | 5151+95.34 | 2.00' | RT | P-CON-EB |
| 3 | PC | 1602+01.06 | 6.00' | LT | P-CIR-EN |
| 4 | PT | 1604+70.31 | 6.00' | LT | P-CIR-EN |
| 5 | PC | 1606+59.89 | 12.33' | LT | P-CIR-EN |
| 6 | POT | 1603+69.73 | 8.00' | LT | P-CIR-EN |
| 7 | POT | 1611+72.89 | 239.80' | RT | P-CIR-EN |
| 8 | POT | 1616+04.46 | 167.99' | RT | P-CIR-EN |

NOTES:

1. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.
2. ALL TRAVEL LANES ON RAMP ES AND TAYLOR EXIT RAMP SOUTH OF STA 1506+25.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
3. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR ℄ RAMP EN UNLESS OTHERWISE NOTED.
4. THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.







## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN

FILE PATH = pw:\\61479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-SHT-STAGING-RAMP-EN-3-06.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-06.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

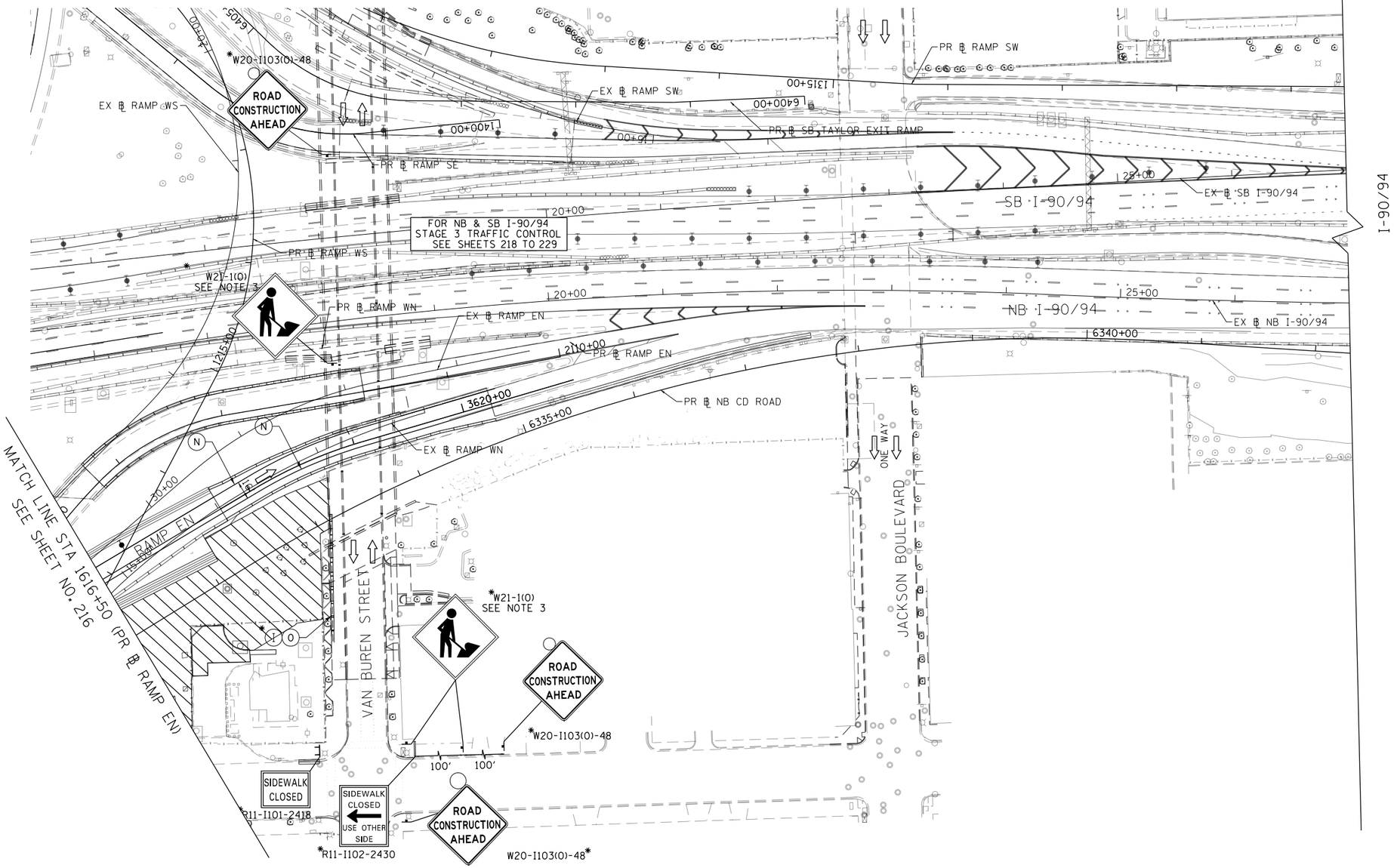
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**RAMP EN STAGE 3**

SCALE: 1"=50' | SHEET 6 OF 19 SHEETS | STA. 5149+00 TO STA. 1616+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 216 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

NOTES:

1. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.
2. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR ℄ RAMP EN UNLESS OTHERWISE NOTED.
3. THIS SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.




0 50 100
SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

*FROM PREVIOUS STAGE TO REMAIN

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-SHT-STAGING-RAMP-EN-3-07.dgn

TranSystems

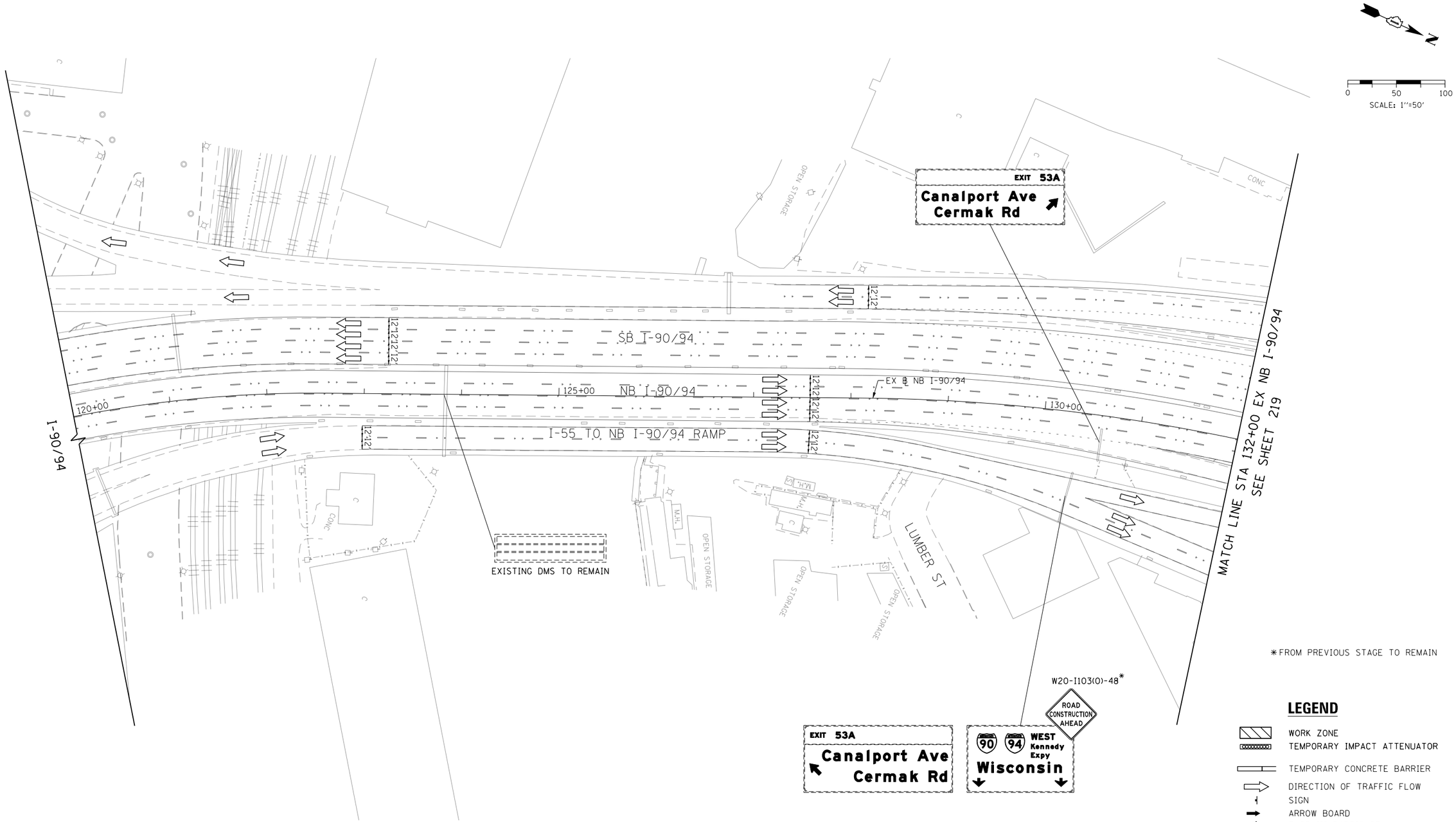
| | | | |
|---|---|---|---|
| D160X79-SHT-STAGING-RAMP-EN-3-07.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
RAMP EN STAGE 3

SCALE: 1"=50' | SHEET 7 OF 19 SHEETS | STA. 1616+50 TO STA. 1625+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 217 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |




*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

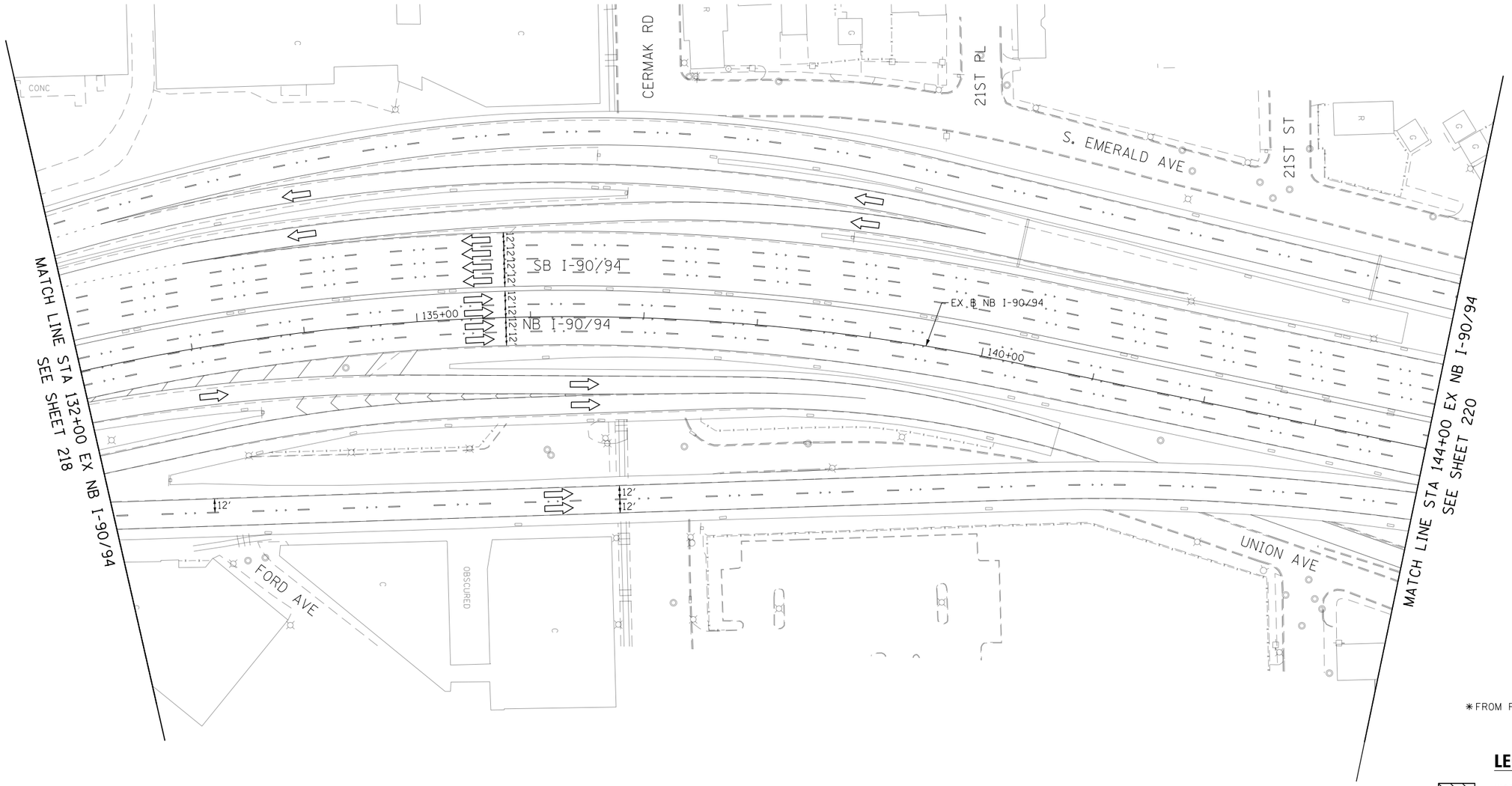
| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-01.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 8 OF 19 SHEETS | STA. 120+00 TO STA. 132+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 218 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




0 50 100
SCALE: 1"=50'

*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

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|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-02.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 9 OF 19 SHEETS | STA. 132+00 TO STA. 144+00

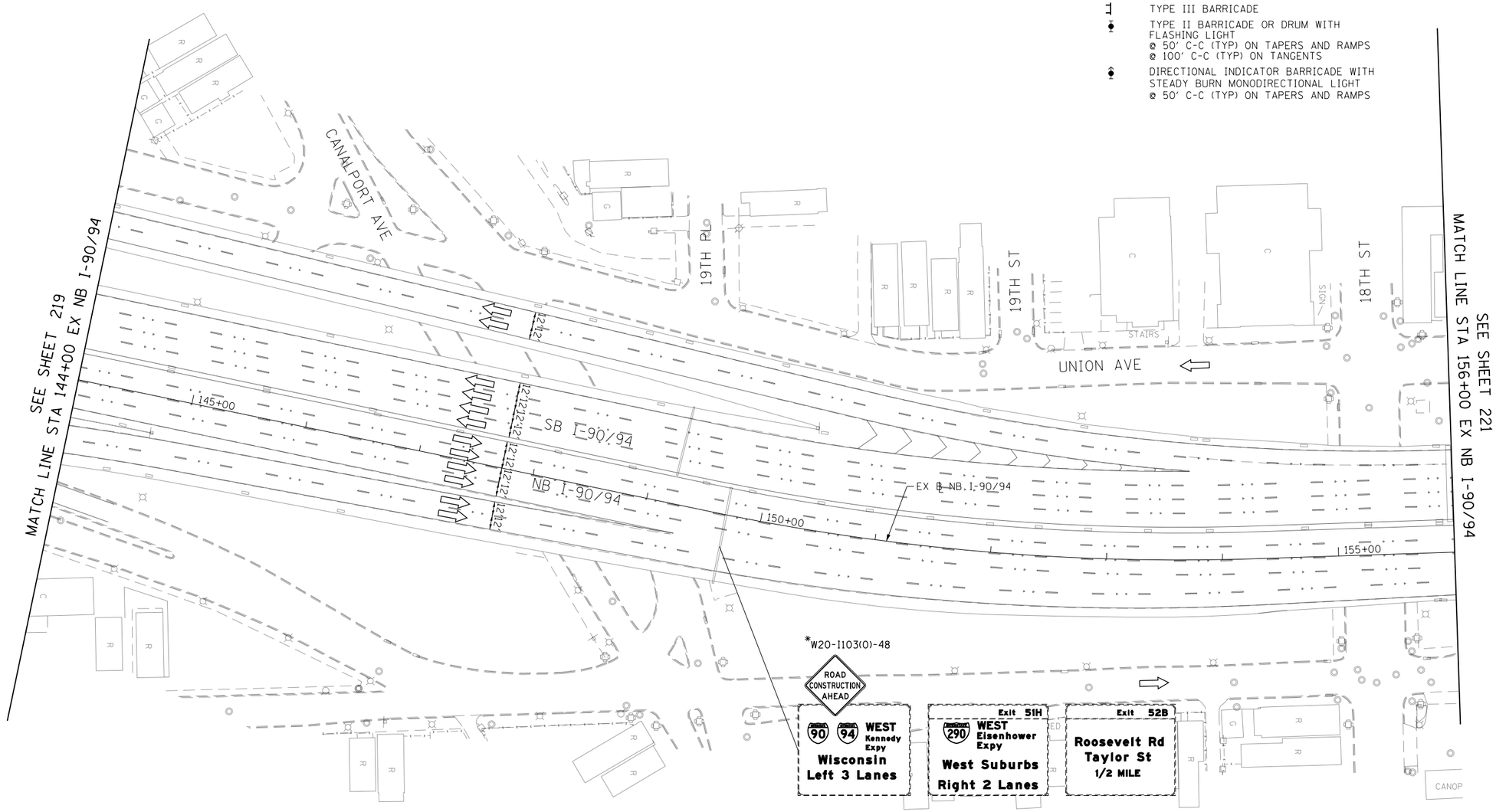
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 219 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

N

0 50 100
SCALE: 1"=50'




*FROM PREVIOUS STAGE TO REMAIN

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TranSystems

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| D160X79-Sht-STAGING-9094-3-03.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

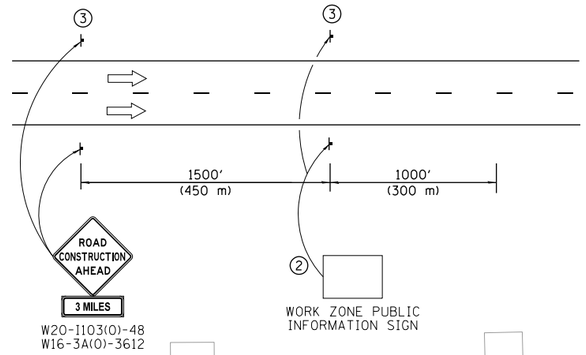
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 10 OF 19 SHEETS | STA. 144+00 TO STA. 156+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 220 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

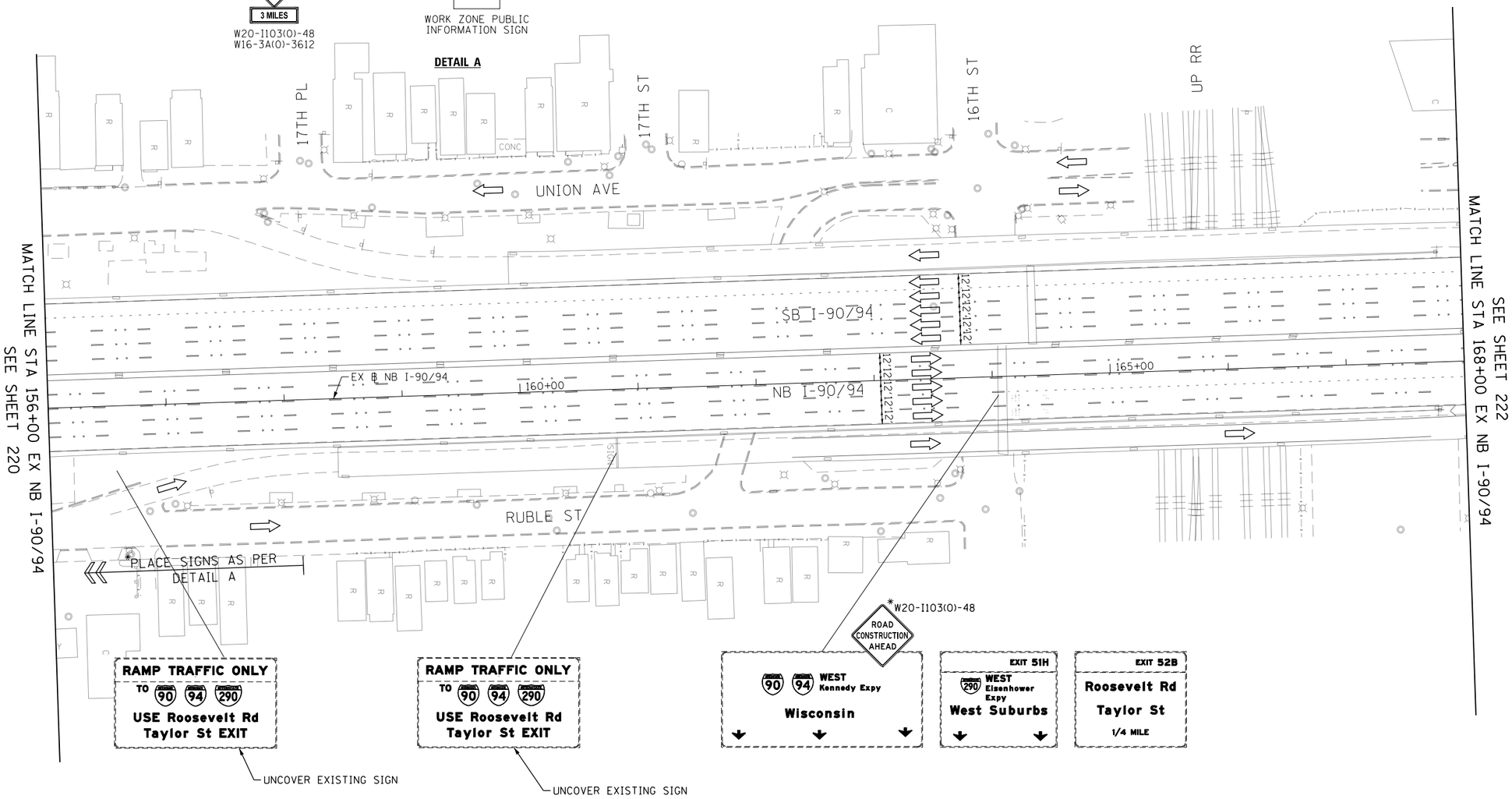



① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.

② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.

③ This sign shall be omitted when median width is less than 10' (3 m).

**DETAIL A**




*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006-Roadway\Sheets\60X79-Sht-STAGING-9094-3-04.dgn

TranSystems

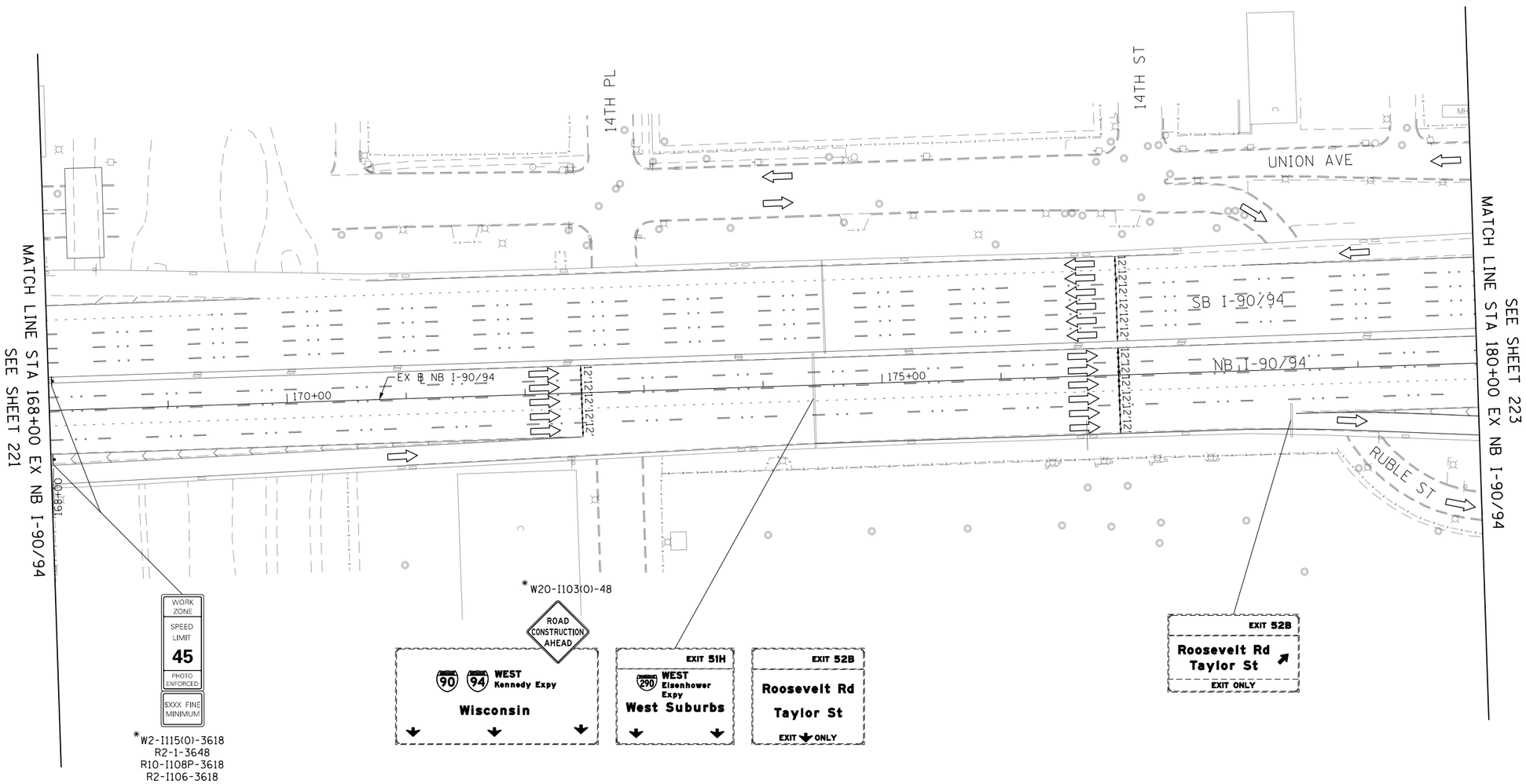
| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-04.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 11 OF 19 SHEETS | STA. 156+00 TO STA. 168+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 221 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




0 50 100
SCALE: 1"=50'

*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

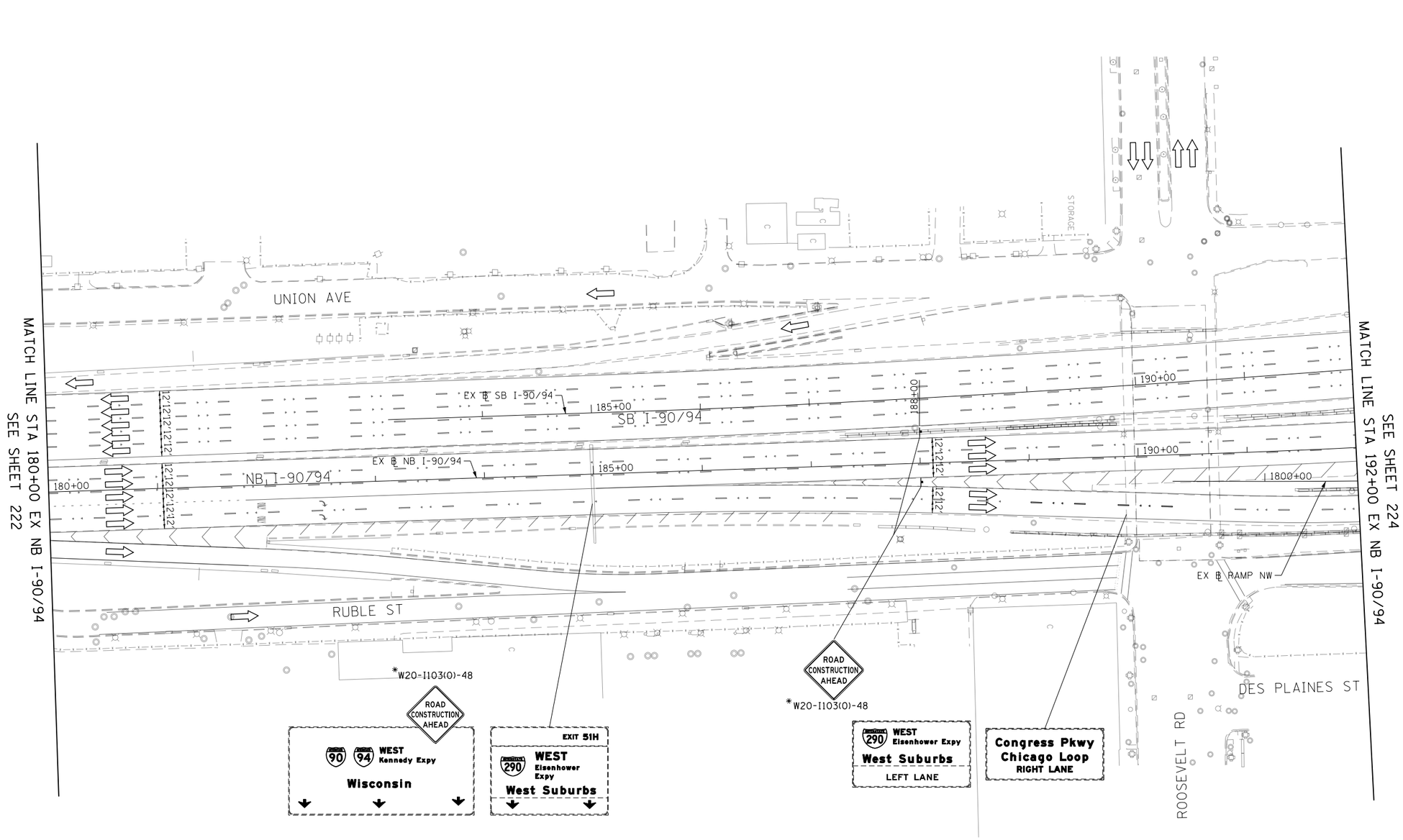
| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-05.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 12 OF 19 SHEETS | STA. 168+00 TO STA. 180+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 222 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |




0 50 100
SCALE: 1"=50'

*FROM PREVIOUS STAGE TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

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TranSystems

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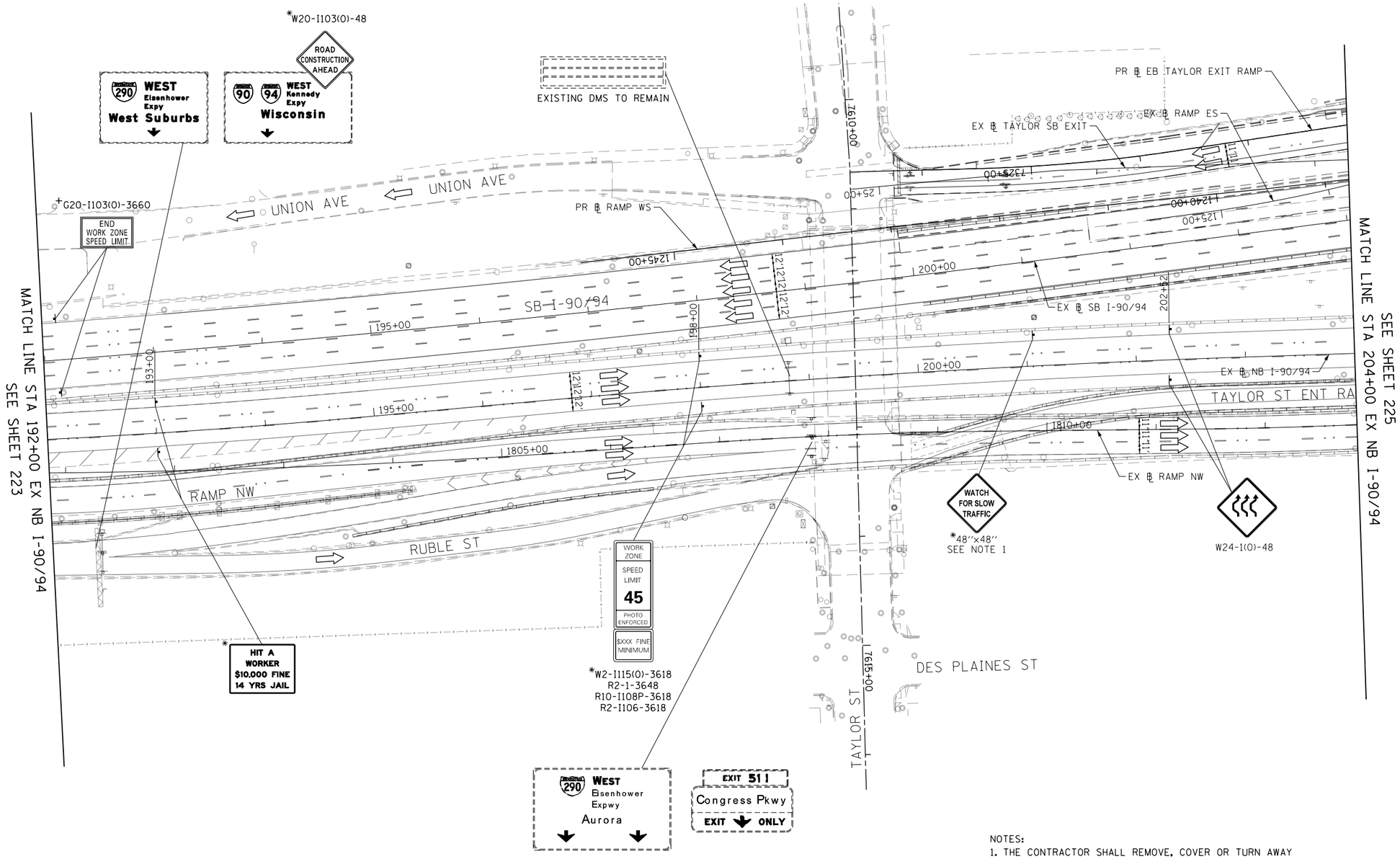
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-06.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 13 OF 19 SHEETS | STA. 180+00 TO STA. 192+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 223 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |




*FROM PREVIOUS STAGE TO REMAIN
+FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:
1. THE CONTRACTOR SHALL REMOVE, COVER OR TURN AWAY "WATCH FOR SLOW TRAFFIC" AND "TRUCKS LEAVING HIGHWAY" SIGNS WHEN FLAGGERS ARE NOT PRESENT.

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TranSystems

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| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

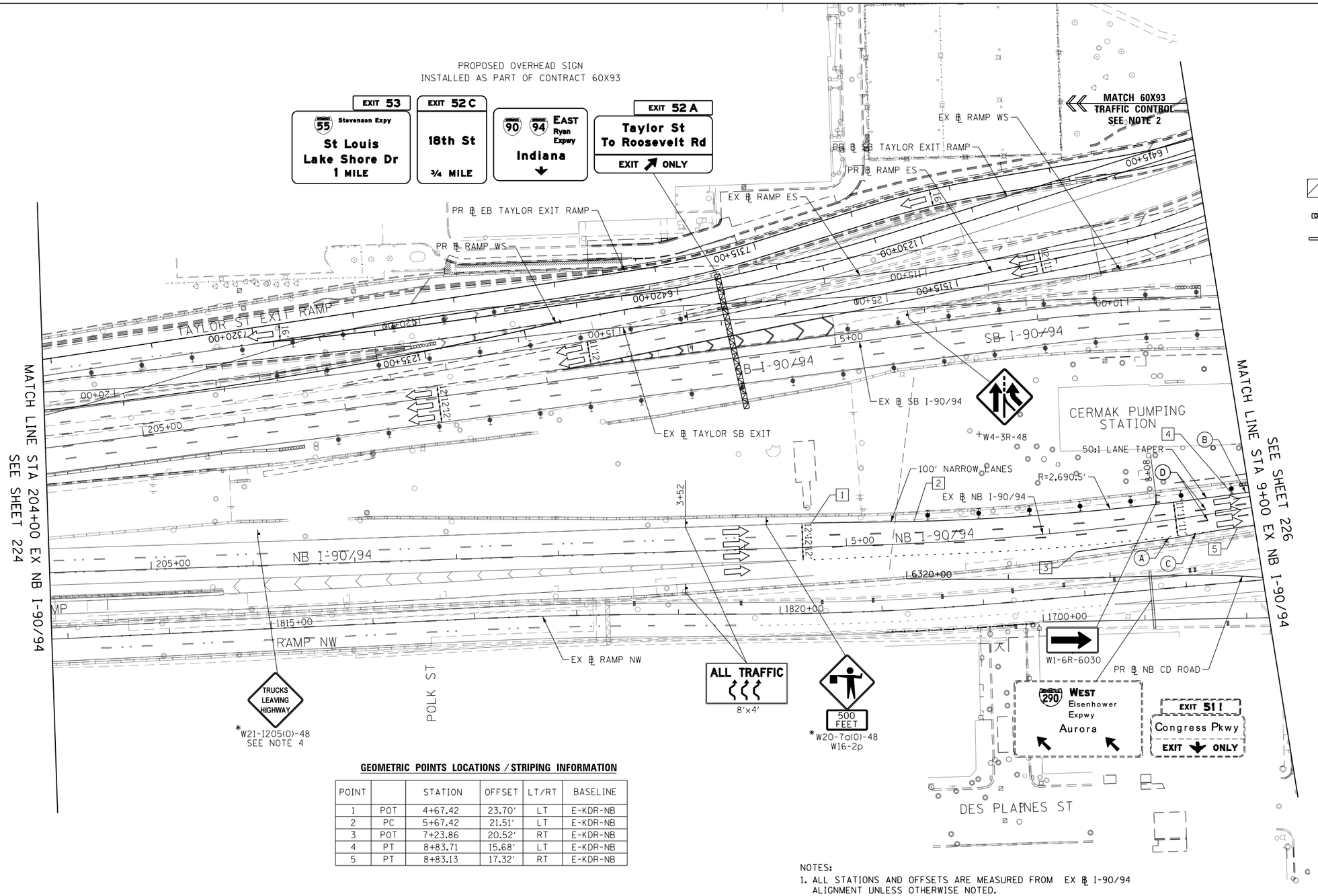
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 14 OF 19 SHEETS | STA. 192+00 TO STA. 204+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 224 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

## GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION

| POINT | | STATION | OFFSET | LT/RT | BASELINE |
|---|---|---|---|---|---|
| 1 | POT | 4+67.42 | 23.70' | LT | E-KDR-NB |
| 2 | PC | 5+67.42 | 21.51' | LT | E-KDR-NB |
| 3 | POT | 7+23.86 | 20.52' | RT | E-KDR-NB |
| 4 | PT | 8+83.71 | 15.68' | LT | E-KDR-NB |
| 5 | PT | 8+83.13 | 17.32' | RT | E-KDR-NB |

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.
2. ALL TRAVEL LANES ON SB I-90/94 SOUTH OF STA 9+29.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
3. CONTRACTOR CCOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.
4. THE CONTRACTOR SHALL REMOVE, COVER OR TURN AWAY "WATCH FOR SLOW TRAFFIC" AND "TRUCKS LEAVING HIGHWAY" SIGNS WHEN FLAGGERS ARE NOT PRESENT.

* FROM PREVIOUS STAGE TO REMAIN
+ FROM CONTRACT 60X93 TO REMAIN

FILE PATH = pw:\\6i7479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.I\002.CAD\006.Roadway\Sheets\60X79-Sht-STAGING-9094-3-08.dgn

TranSystems

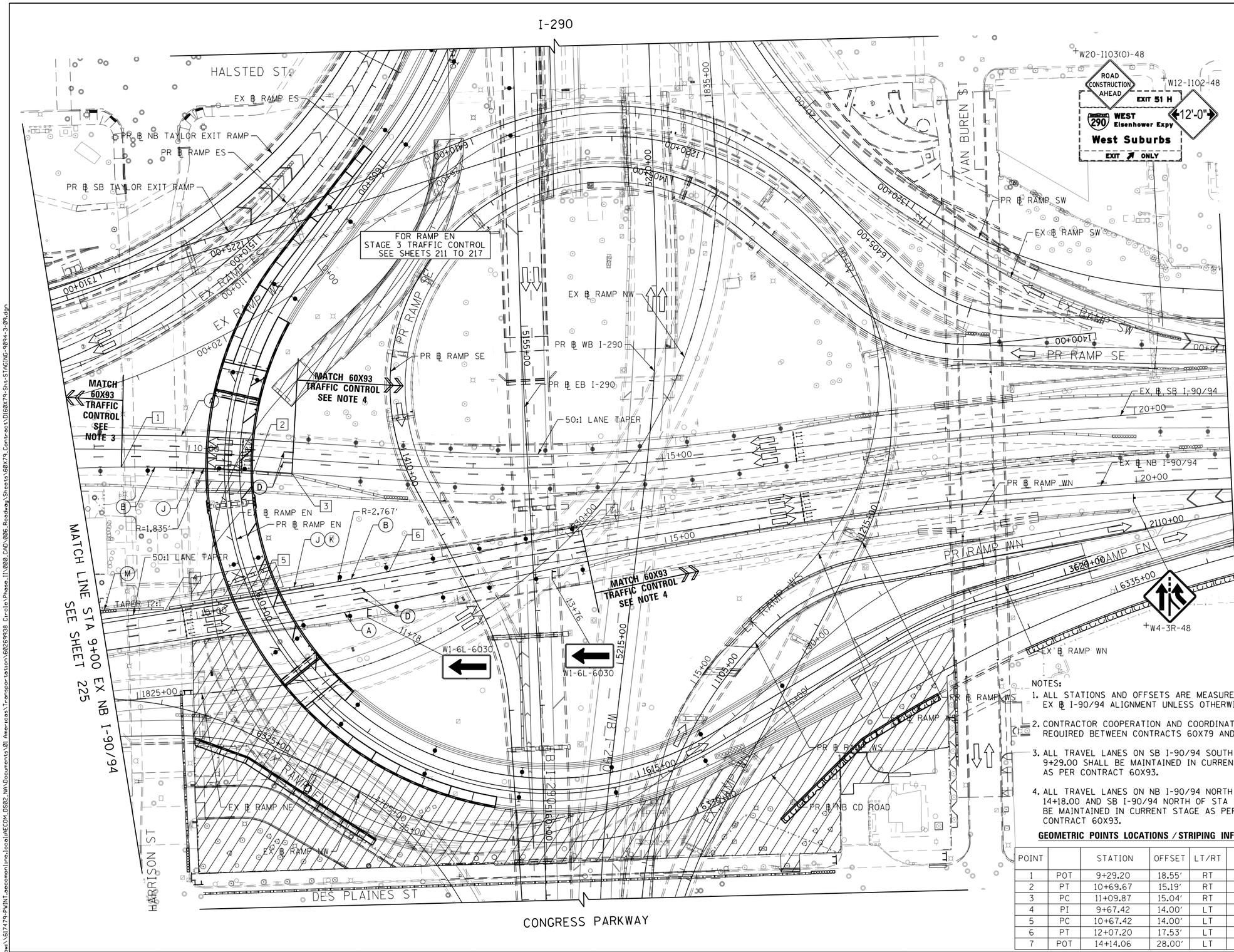
| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-08.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
I-90/94 STAGE 3

SCALE: 1"=50' | SHEET 15 OF 19 SHEETS | STA. 204+00 TO STA. 9+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 225 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




SCALE: 1"=50'

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS
- POINT LOCATION

## PROPOSED TEMPORARY 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 8 (3' DASH 9' SKIP, WHITE)
- (G) TEMP EPOXY PVT MK LINE 12 (WHITE CHEVRONS @ 45°, 30' SPACING) (TYP)
- (H) TEMP EPOXY PVT MK LETTERS AND SYMBOLS
- (I) TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (J) REL TEMP CONC BARRIER ALONG LANE LINE OR @ 12:1 ON TAPERS UNLESS OTHERWISE NOTED
- (K) PINNING TEMPORARY CONCRETE BARRIER
- (L) IMPACT ATTENUATOR, TEMPORARY, TEST LEVEL 3
- (M) IMPACT ATTENUATOR, RELOCATE
- (N) PROPOSED PAVEMENT MARKING LINE SEE PAVEMENT MARKING PLAN SHEETS FOR MORE INFORMATION
- (O) TEMP CHAIN LINK FENCE W SCREENING 4'

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.
3. ALL TRAVEL LANES ON SB I-90/94 SOUTH OF STA 9+29.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
4. ALL TRAVEL LANES ON NB I-90/94 NORTH OF STA 14+18.00 AND SB I-90/94 NORTH OF STA 11+10.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.

### GEOMETRIC POINTS LOCATIONS / STRIPING INFORMATION

| POINT | | STATION | OFFSET | LT/RT | BASELINE |
|---|---|---|---|---|---|
| 1 | POT | 9+29.20 | 18.55' | RT | E-KDR-SB |
| 2 | PT | 10+69.67 | 15.19' | RT | E-KDR-SB |
| 3 | PC | 11+09.87 | 15.04' | RT | E-KDR-SB |
| 4 | PI | 9+67.42 | 14.00' | LT | E-KDR-NB |
| 5 | PC | 10+67.42 | 14.00' | LT | E-KDR-NB |
| 6 | PT | 12+07.20 | 17.53' | LT | E-KDR-NB |
| 7 | POT | 14+14.06 | 28.00' | LT | E-KDR-NB |

+ FROM CONTRACT 60X93 TO REMAIN

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TranSystems

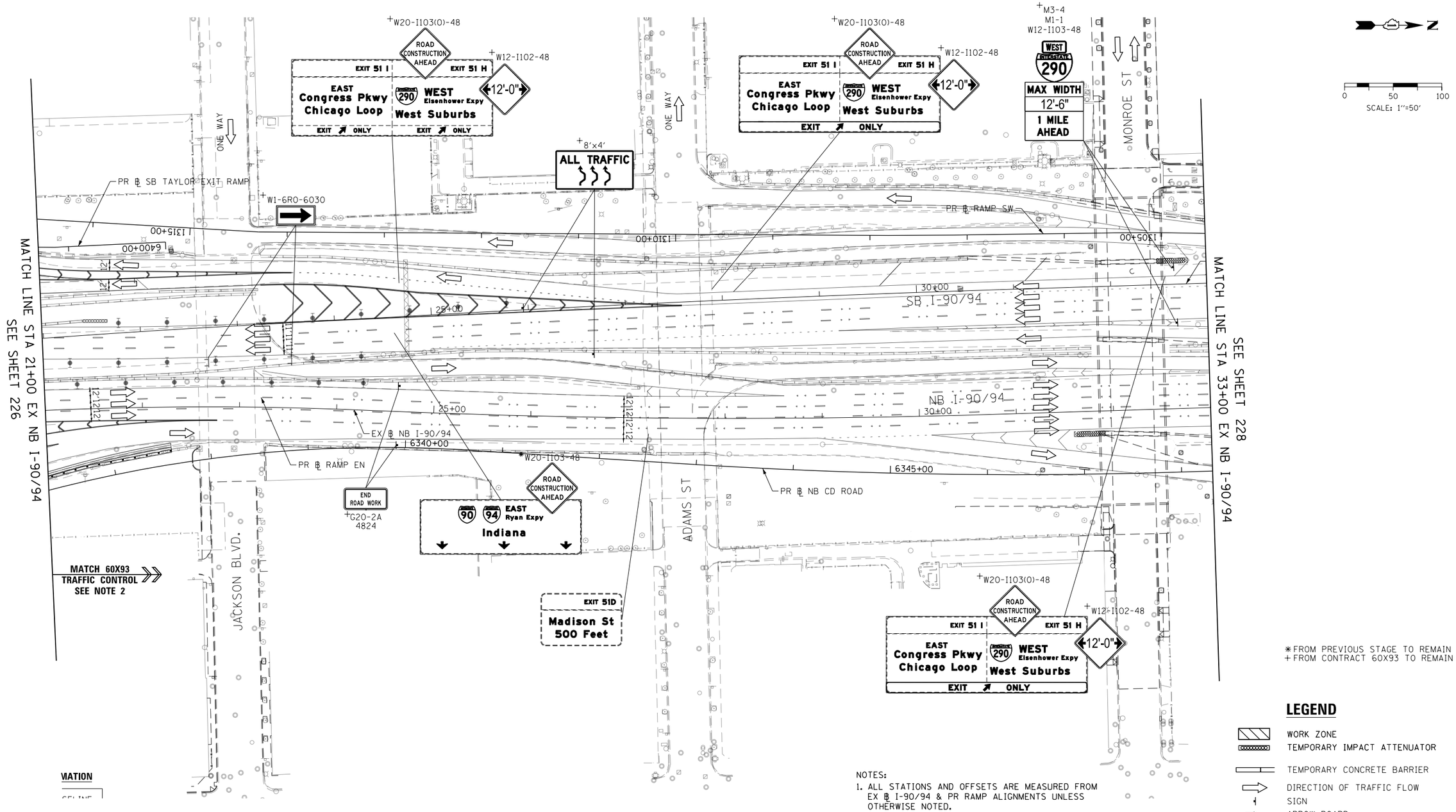
| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-09.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 16 OF 19 SHEETS | STA. 9+00 TO STA. 21+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 226 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |




✱ FROM PREVIOUS STAGE TO REMAIN
+ FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 & PR RAMP ALIGNMENTS UNLESS OTHERWISE NOTED.
2. ALL TRAVEL LANES ON NB I-90/94 NORTH OF STA 14+18.00 AND SB I-90/94 NORTH OF STA 11+10.00 SHALL BE MAINTAINED IN CURRENT STAGE AS PER CONTRACT 60X93.
3. CONTRACTOR COOPERATION AND COORDINATION REQUIRED BETWEEN CONTRACTS 60X79 AND 60X93.

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-Sht-STAGING-9094-3-10.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

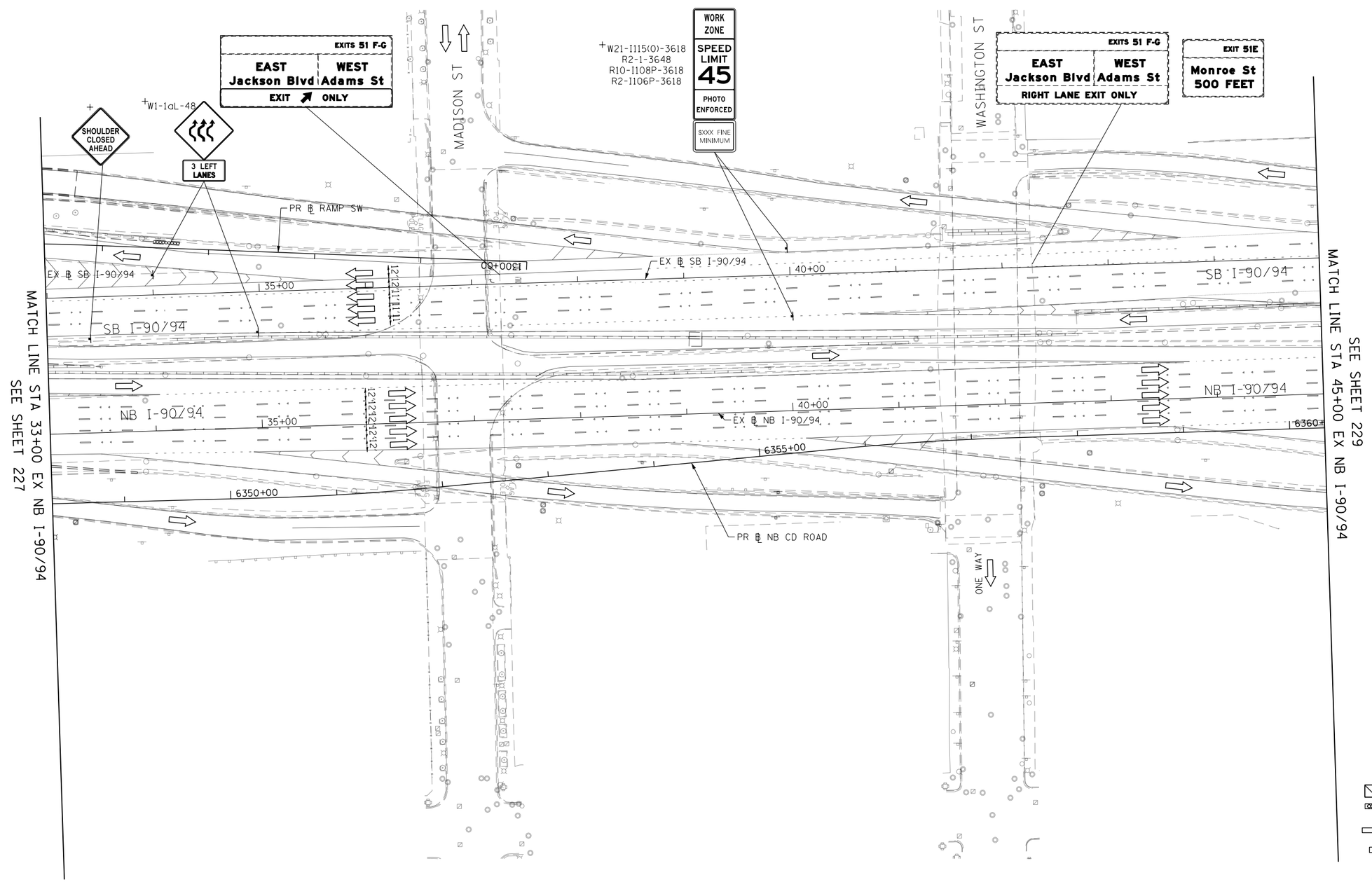
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 17 OF 19 SHEETS | STA. 21+00 TO STA. 33+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 227 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




*FROM PREVIOUS STAGE TO REMAIN
+FROM CONTRACT 60X93 TO REMAIN

## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

NOTES:

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM EX ℄ I-90/94 ALIGNMENTS UNLESS OTHERWISE NOTED.

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TranSystems

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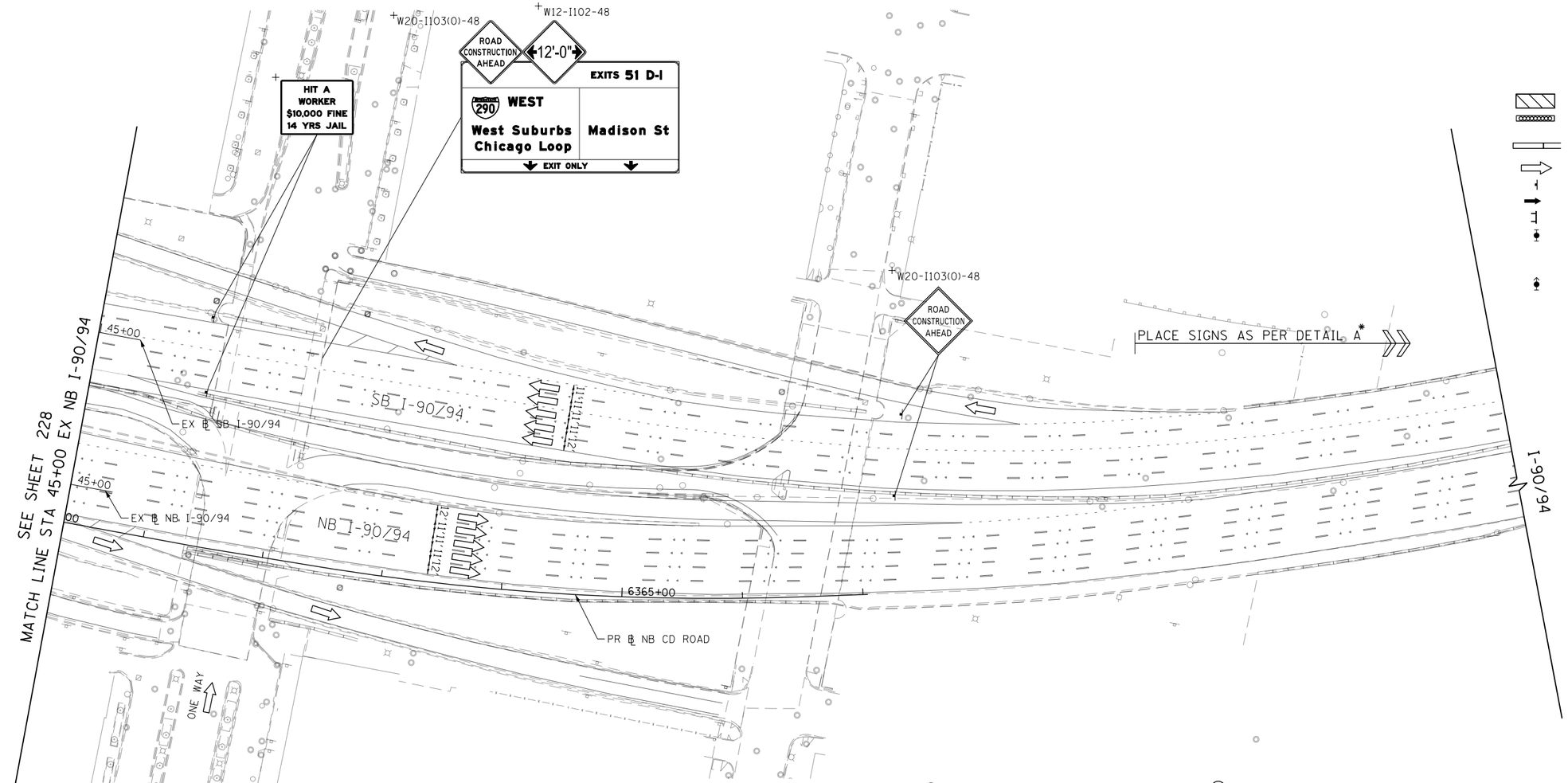
| D160X79-Sht-STAGING-9094-3-11.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 18 OF 19 SHEETS | STA. 33+00 TO STA. 45+00

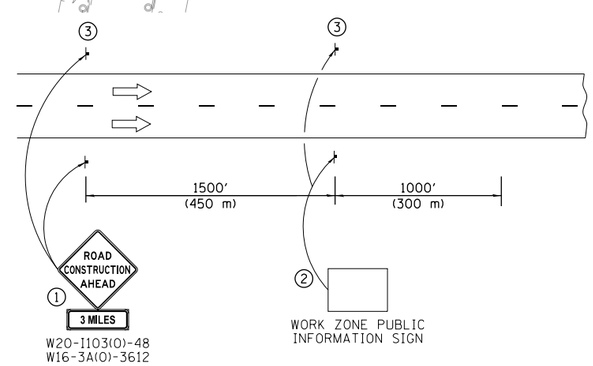
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 228 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## LEGEND

- WORK ZONE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH FLASHING LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS @ 100' C-C (TYP) ON TANGENTS
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT @ 50' C-C (TYP) ON TAPERS AND RAMPS

0 50 100
SCALE: 1"=50'




**DETAIL A**

① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits.

② The message and size of the Work Zone Public Information Sign shall be as specified by the Department.

③ This sign shall be omitted when median width is less than 10' (3 m).

*FROM PREVIOUS STAGE TO REMAIN
+FROM CONTRACT 60X93 TO REMAIN

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TranSystems

| | | | |
|---|---|---|---|
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| USER NAME = mkwilson | DRAWN - DWH | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL**
**I-90/94 STAGE 3**

SCALE: 1"=50' | SHEET 19 OF 19 SHEETS | STA. 45+00 TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 229 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## TEMPORARY EROSION CONTROL SCHEDULE

| SHEET | MULCH, METHOD 2 | TEMPORARY EROSION CONTROL SEEDING | TEMPORARY DITCH CHECKS | PERIMETER EROSION BARRIER | INLET FILTERS | STABILIZED CONSTRUCTION ENTRANCE | DUST CONTROL WATERING | TEMPORARY CHAIN LINK FENCE | INLETS, TYPE A, TYPE 1 FRAME, OPEN LID | STORM SEWERS, CLASS A, TYPE 1 12" |
|---|---|---|---|---|---|---|---|---|---|---|
| | ACRE | POUND | FOOT | FOOT | EACH | SQ YD | UNIT | FOOT | EACH | FOOT |
| STAGE 1 | 6.25 | 625 | 30 | 1450 | 59 | 327 | 100 | 168 | 4 | 100 |
| STAGE 2 | 6.75 | 675 | 30 | 1704 | 13 | - | 100 | - | 4 | 100 |
| STAGE 3 | 6.25 | 625 | 30 | 1704 | 0 | - | 100 | - | 4 | 100 |
| TOTAL | 19.25 | 1925 | 90 | 4858 | 72 | 327 | 300 | 168 | 12 | 300 |

## PERMANENT EROSION CONTROL SCHEDULE

| | SUPPLEMENTAL WATERING | TOPSOIL FURNISH AND PLACE, 4" | SEEDING, CLASS 2A | NITROGEN FERTILIZER NUTRIENT | POTASSIUM FERTILIZER NUTRIENT | EROSION CONTROL BLANKET | SODDING, SALT TOLERANT | AGGREGATE SURFACE COURSE, TYPE B |
|---|---|---|---|---|---|---|---|---|
| | UNIT | SQ YD | ACRE | POUND | POUND | SQ YD | SQ YD | CU YD |
| | 54 | 36,796 | 7.25 | 657 | 657 | 35,090 | 1,706 | 22 |
| TOTAL | 54 | 36,796 | 7.25 | 657 | 657 | 35,090 | 1,706 | 22 |

## INLET FILTERS SCHEDULE (STAGE 1)

| LOCATION | | | AMOUNT |
|---|---|---|---|
| STATION | OFFSET | ALIGNMENT | EACH |
| 1603+30.35 | 28.69' RT | P-CIR-EN | 1 |
| 1603+83.06 | 4.75' RT | P-CIR-EN | 1 |
| 1604+25.12 | 21.06' RT | P-CIR-EN | 1 |
| 1604+74.88 | 5.71' RT | P-CIR-EN | 1 |
| 1605+42.12 | 72.12' LT | P-CIR-EN | 1 |
| 1605+70.12 | 21.04' RT | P-CIR-EN | 1 |
| 1605+70.12 | 21.99' LT | P-CIR-EN | 1 |
| 1606+80.12 | 22.95' LT | P-CIR-EN | 1 |
| 1608+90.18 | 45.08' RT | P-CIR-EN | 1 |
| 1609+96.40 | 11.59' RT | P-CIR-EN | 1 |
| 1610+43.13 | 16.73' RT | P-CIR-EN | 1 |
| 1610+82.99 | 12.13' RT | P-CIR-EN | 1 |
| 1611+39.83 | 53.98' LT | P-CIR-EN | 1 |
| 1611+44.61 | 60.79' LT | P-CIR-EN | 1 |
| 1613+02.91 | 22.90' LT | P-CIR-EN | 1 |
| 1613+55.57 | 4.83' LT | P-CIR-EN | 1 |
| 1615+60.17 | 18.58' LT | P-CIR-EN | 1 |
| 1619+92.83 | 6.19' LT | P-CIR-EN | 1 |
| 1400+23.03 | 16.79' LT | P-CIR-SE | 1 |
| 1402+45.23 | 9.08' LT | P-CIR-SE | 1 |
| 1410+31.01 | 40.04' RT | P-CIR-SE | 1 |
| 1410+94.21 | 62.13' RT | P-CIR-SE | 1 |
| 1411+96.73 | 27.03' LT | P-CIR-SE | 1 |
| 1411+42.15 | 92.06' RT | P-CIR-SE | 1 |
| 1411+49.94 | 94.15' RT | P-CIR-SE | 1 |
| 1412+23.92 | 15.54' RT | P-CIR-SE | 1 |
| 1412+41.56 | 54.04' RT | P-CIR-SE | 1 |
| 1412+74.60 | 25.89' RT | P-CIR-SE | 1 |
| 1413+02.36 | 75.41' LT | P-CIR-SE | 1 |
| 1413+02.32 | 60.21' LT | P-CIR-SE | 1 |
| 1412+99.39 | 8.53' RT | P-CIR-SE | 1 |
| 6323+66.65 | 101.41' LT | P-NCD-NX | 1 |
| 6324+50.14 | 45.68' LT | P-NCD-NX | 1 |
| 6324+51.34 | 5.47' LT | P-NCD-NX | 1 |
| 6324+65.81 | 33.12' LT | P-NCD-NX | 1 |
| 6324+72.70 | 15.12' RT | P-NCD-NX | 1 |
| 6324+72.71 | 30.23' LT | P-NCD-NX | 1 |
| 6324+98.59 | 15.11' RT | P-NCD-NX | 1 |
| 6326+30.40 | 7.77' LT | P-NCD-NX | 1 |
| 6326+52.27 | 15.11' RT | P-NCD-NX | 1 |
| 6326+92.86 | 27.31' LT | P-NCD-NX | 1 |
| 6331+18.65 | 31.36' LT | P-NCD-NX | 1 |
| 6331+18.00 | 18.15' LT | P-NCD-NX | 1 |
| 6331+16.01 | 98.82' RT | P-NCD-NX | 1 |
| 6331+57.68 | 28.94' LT | P-NCD-NX | 1 |
| 6332+15.11 | 13.53' LT | P-NCD-NX | 1 |
| 6331+87.58 | 55.78' RT | P-NCD-NX | 1 |
| 6332+10.83 | 128.09' RT | P-NCD-NX | 1 |
| 6332+36.20 | 87.18' RT | P-NCD-NX | 1 |
| 6334+04.44 | 16.13' LT | P-NCD-NX | 1 |
| 6335+29.79 | 19.58' LT | P-NCD-NX | 1 |
| 6337+78.58 | 16.29' LT | P-NCD-NX | 1 |
| 1105+09.61 | 72.11' LT | P-CIR-WN | 1 |
| 1105+49.99 | 15.97' LT | P-CIR-WN | 1 |
| 1106+09.84 | 77.46' LT | P-CIR-WN | 1 |
| 1106+27.46 | 55.02' LT | P-CIR-WN | 1 |
| 1318+76.87 | 7.05' LT | P-CIR-SW | 1 |
| 6401+98.34 | 3.45' RT | P-TAY-SX | 1 |
| 1216+25.65 | 84.49' LT | P-CIR-WS | 1 |
| TOTAL | | | 59 |

## INLET FILTERS SCHEDULE (STAGE 2)

| LOCATION | | | AMOUNT |
|---|---|---|---|
| STATION | OFFSET | ALIGNMENT | EACH |
| 1602+40.00 | 21.00' RT | P-CIR-EN | 1 |
| 1602+80.00 | 21.00' RT | P-CIR-EN | 1 |
| 1604+01.22 | 52.72' LT | P-CIR-EN | 1 |
| 1614+93.00 | 23.00' LT | P-CIR-EN | 1 |
| 1615+55.00 | 23.00' LT | P-CIR-EN | 1 |
| 1616+15.00 | 23.00' LT | P-CIR-EN | 1 |
| 1612+39.81 | 54.77' LT | P-CIR-EN | 1 |
| 1612+22.93 | 170.45' LT | P-CIR-EN | 1 |
| 1613+54.98 | 34.20' LT | P-CIR-EN | 1 |
| 1614+98.57 | 148.69' LT | P-CIR-EN | 1 |
| 1615+00.00 | 50.62' LT | P-CIR-EN | 1 |
| 1616+02.19 | 114.48' LT | P-CIR-EN | 1 |
| 1616+43.44 | 147.61' LT | P-CIR-EN | 1 |
| TOTAL | | | 13 |

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TranSystems

| | | |
|---|---|---|
| D160X79-sht-Eros-Schedules.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENTATION CONTROL SCHEDULES

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 231 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

## TEMPORARY EROSION CONTROL SCHEDULE

| SHEET | MULCH, METHOD 2 | TEMPORARY EROSION CONTROL SEEDING | TEMPORARY DITCH CHECKS | PERIMETER EROSION BARRIER | INLET FILTERS | STABILIZED CONSTRUCTION ENTRANCE | DUST CONTROL WATERING | TEMPORARY CHAIN LINK FENCE | INLETS, TYPE A, TYPE 1 FRAME, OPEN LID | STORM SEWERS, CLASS A, TYPE 1 12" |
|---|---|---|---|---|---|---|---|---|---|---|
| | ACRE | POUND | FOOT | FOOT | EACH | SQ YD | UNIT | FOOT | EACH | FOOT |
| STAGE 1 | 6.25 | 625 | 30 | 1450 | 59 | 327 | 100 | 168 | 4 | 100 |
| STAGE 2 | 6.75 | 675 | 30 | 1704 | 13 | - | 100 | - | 4 | 100 |
| STAGE 3 | 6.25 | 625 | 30 | 1704 | 0 | - | 100 | - | 4 | 100 |
| TOTAL | 19.25 | 1925 | 90 | 4858 | 72 | 327 | 300 | 168 | 12 | 300 |

## PERMANENT EROSION CONTROL SCHEDULE

| | SUPPLEMENTAL WATERING | TOPSOIL FURNISH AND PLACE, 4" | SEEDING, CLASS 2A | NITROGEN FERTILIZER NUTRIENT | POTASSIUM FERTILIZER NUTRIENT | EROSION CONTROL BLANKET | SODDING, SALT TOLERANT | AGGREGATE SURFACE COURSE, TYPE B |
|---|---|---|---|---|---|---|---|---|
| | UNIT | SQ YD | ACRE | POUND | POUND | SQ YD | SQ YD | CU YD |
| | 54 | 36,796 | 7.25 | 657 | 657 | 35,090 | 1,706 | 16 |
| TOTAL | 54 | 36,796 | 7.25 | 657 | 657 | 35,090 | 1,706 | 16 |

## INLET FILTERS SCHEDULE (STAGE 1)

| LOCATION | | | AMOUNT |
|---|---|---|---|
| STATION | OFFSET | ALIGNMENT | EACH |
| 1603+30.35 | 28.69' RT | P-CIR-EN | 1 |
| 1603+83.06 | 4.75' RT | P-CIR-EN | 1 |
| 1604+25.12 | 21.06' RT | P-CIR-EN | 1 |
| 1604+74.88 | 5.71' RT | P-CIR-EN | 1 |
| 1605+42.12 | 72.12' LT | P-CIR-EN | 1 |
| 1605+70.12 | 21.04' RT | P-CIR-EN | 1 |
| 1605+70.12 | 21.99' LT | P-CIR-EN | 1 |
| 1606+80.12 | 22.95' LT | P-CIR-EN | 1 |
| 1608+90.18 | 45.08' RT | P-CIR-EN | 1 |
| 1609+96.40 | 11.59' RT | P-CIR-EN | 1 |
| 1610+43.13 | 16.73' RT | P-CIR-EN | 1 |
| 1610+82.99 | 12.13' RT | P-CIR-EN | 1 |
| 1611+39.83 | 53.98' LT | P-CIR-EN | 1 |
| 1611+44.61 | 60.79' LT | P-CIR-EN | 1 |
| 1613+02.91 | 22.90' LT | P-CIR-EN | 1 |
| 1613+55.57 | 4.83' LT | P-CIR-EN | 1 |
| 1615+60.17 | 18.58' LT | P-CIR-EN | 1 |
| 1619+92.83 | 6.19' LT | P-CIR-EN | 1 |
| 1400+23.03 | 16.79' LT | P-CIR-SE | 1 |
| 1402+45.23 | 9.08' LT | P-CIR-SE | 1 |
| 1410+31.01 | 40.04' RT | P-CIR-SE | 1 |
| 1410+94.21 | 62.13' RT | P-CIR-SE | 1 |
| 1411+96.73 | 27.03' LT | P-CIR-SE | 1 |
| 1411+42.15 | 92.06' RT | P-CIR-SE | 1 |
| 1411+49.94 | 94.15' RT | P-CIR-SE | 1 |
| 1412+23.92 | 15.54' RT | P-CIR-SE | 1 |
| 1412+41.56 | 54.04' RT | P-CIR-SE | 1 |
| 1412+74.60 | 25.89' RT | P-CIR-SE | 1 |
| 1413+02.36 | 75.41' LT | P-CIR-SE | 1 |
| 1413+02.32 | 60.21' LT | P-CIR-SE | 1 |
| 1412+99.39 | 8.53' RT | P-CIR-SE | 1 |
| 6323+66.65 | 101.41' LT | P-NCD-NX | 1 |
| 6324+50.14 | 45.68' LT | P-NCD-NX | 1 |
| 6324+51.34 | 5.47' LT | P-NCD-NX | 1 |
| 6324+65.81 | 33.12' LT | P-NCD-NX | 1 |
| 6324+72.70 | 15.12' RT | P-NCD-NX | 1 |
| 6324+72.71 | 30.23' LT | P-NCD-NX | 1 |
| 6324+98.59 | 15.11' RT | P-NCD-NX | 1 |
| 6326+30.40 | 7.77' LT | P-NCD-NX | 1 |
| 6326+52.27 | 15.11' RT | P-NCD-NX | 1 |
| 6326+92.86 | 27.31' LT | P-NCD-NX | 1 |
| 6331+18.65 | 31.36' LT | P-NCD-NX | 1 |
| 6331+18.00 | 18.15' LT | P-NCD-NX | 1 |
| 6331+16.01 | 98.82' RT | P-NCD-NX | 1 |
| 6331+57.68 | 28.94' LT | P-NCD-NX | 1 |
| 6332+15.11 | 13.53' LT | P-NCD-NX | 1 |
| 6331+87.58 | 55.78' RT | P-NCD-NX | 1 |
| 6332+10.83 | 128.09' RT | P-NCD-NX | 1 |
| 6332+36.20 | 87.18' RT | P-NCD-NX | 1 |
| 6334+04.44 | 16.13' LT | P-NCD-NX | 1 |
| 6335+29.79 | 19.58' LT | P-NCD-NX | 1 |
| 6337+78.58 | 16.29' LT | P-NCD-NX | 1 |
| 1105+09.61 | 72.11' LT | P-CIR-WN | 1 |
| 1105+49.99 | 15.97' LT | P-CIR-WN | 1 |
| 1106+09.84 | 77.46' LT | P-CIR-WN | 1 |
| 1106+27.46 | 55.02' LT | P-CIR-WN | 1 |
| 1318+76.87 | 7.05' LT | P-CIR-SW | 1 |
| 6401+98.34 | 3.45' RT | P-TAY-SX | 1 |
| 1216+25.65 | 84.49' LT | P-CIR-WS | 1 |
| TOTAL | | | 59 |

## INLET FILTERS SCHEDULE (STAGE 2)

| LOCATION | | | AMOUNT |
|---|---|---|---|
| STATION | OFFSET | ALIGNMENT | EACH |
| 1602+40.00 | 21.00' RT | P-CIR-EN | 1 |
| 1602+80.00 | 21.00' RT | P-CIR-EN | 1 |
| 1604+01.22 | 52.72' LT | P-CIR-EN | 1 |
| 1614+93.00 | 23.00' LT | P-CIR-EN | 1 |
| 1615+55.00 | 23.00' LT | P-CIR-EN | 1 |
| 1616+15.00 | 23.00' LT | P-CIR-EN | 1 |
| 1612+39.81 | 54.77' LT | P-CIR-EN | 1 |
| 1612+22.93 | 170.45' LT | P-CIR-EN | 1 |
| 1613+54.98 | 34.20' LT | P-CIR-EN | 1 |
| 1614+98.57 | 148.69' LT | P-CIR-EN | 1 |
| 1615+00.00 | 50.62' LT | P-CIR-EN | 1 |
| 1616+02.19 | 114.48' LT | P-CIR-EN | 1 |
| 1616+43.44 | 147.61' LT | P-CIR-EN | 1 |
| TOTAL | | | 13 |

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79-Contract\D160X79-sht-Eros-Schedules.dgn

TranSystems

| | | |
|---|---|---|
| D160X79-sht-Eros-Schedules.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

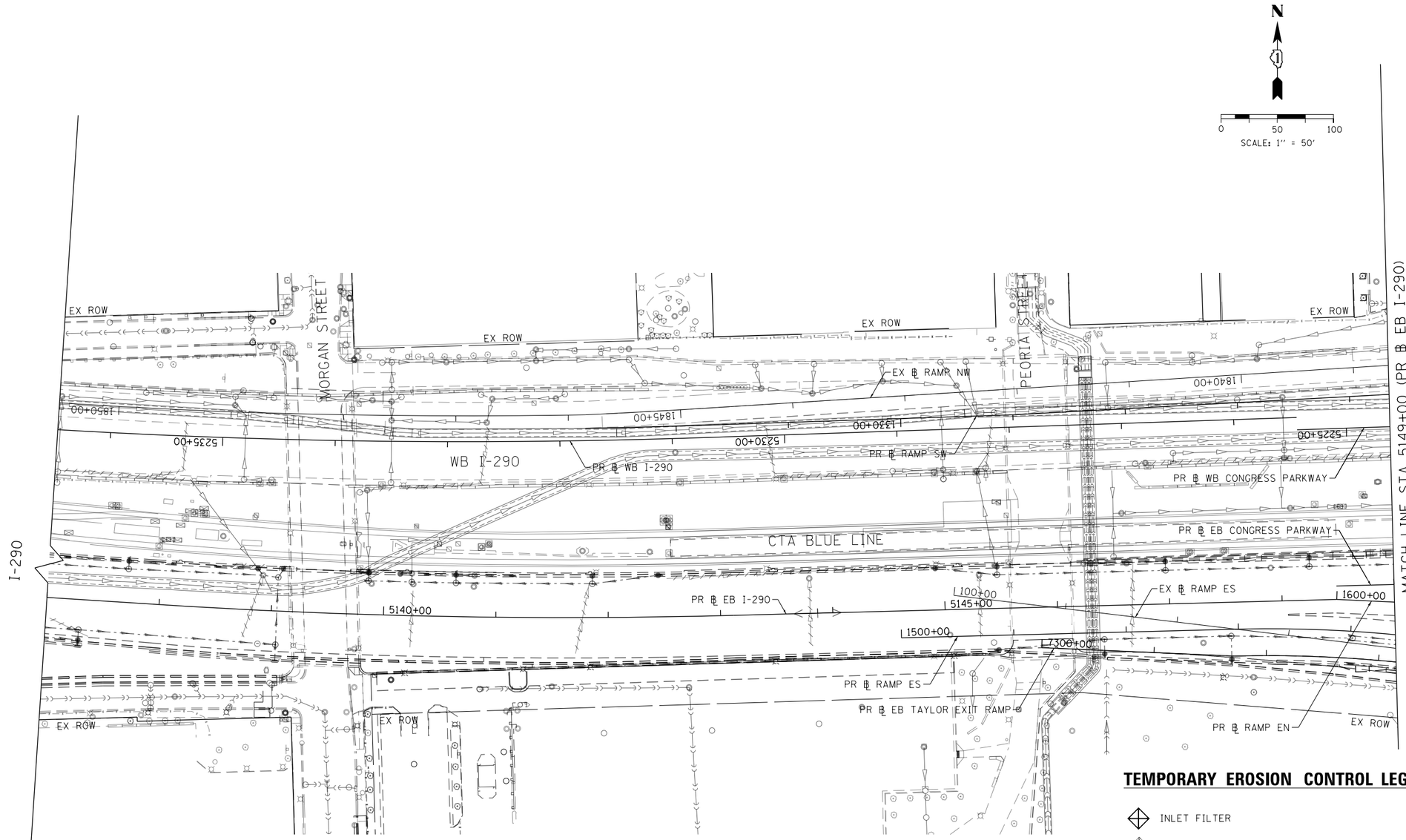
EROSION AND SEDIMENTATION CONTROL SCHEDULES

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 231 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2
  TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- xxx — TEMPORARY CHAIN LINK FENCE
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-EROS1-01.dgn

TranSystems

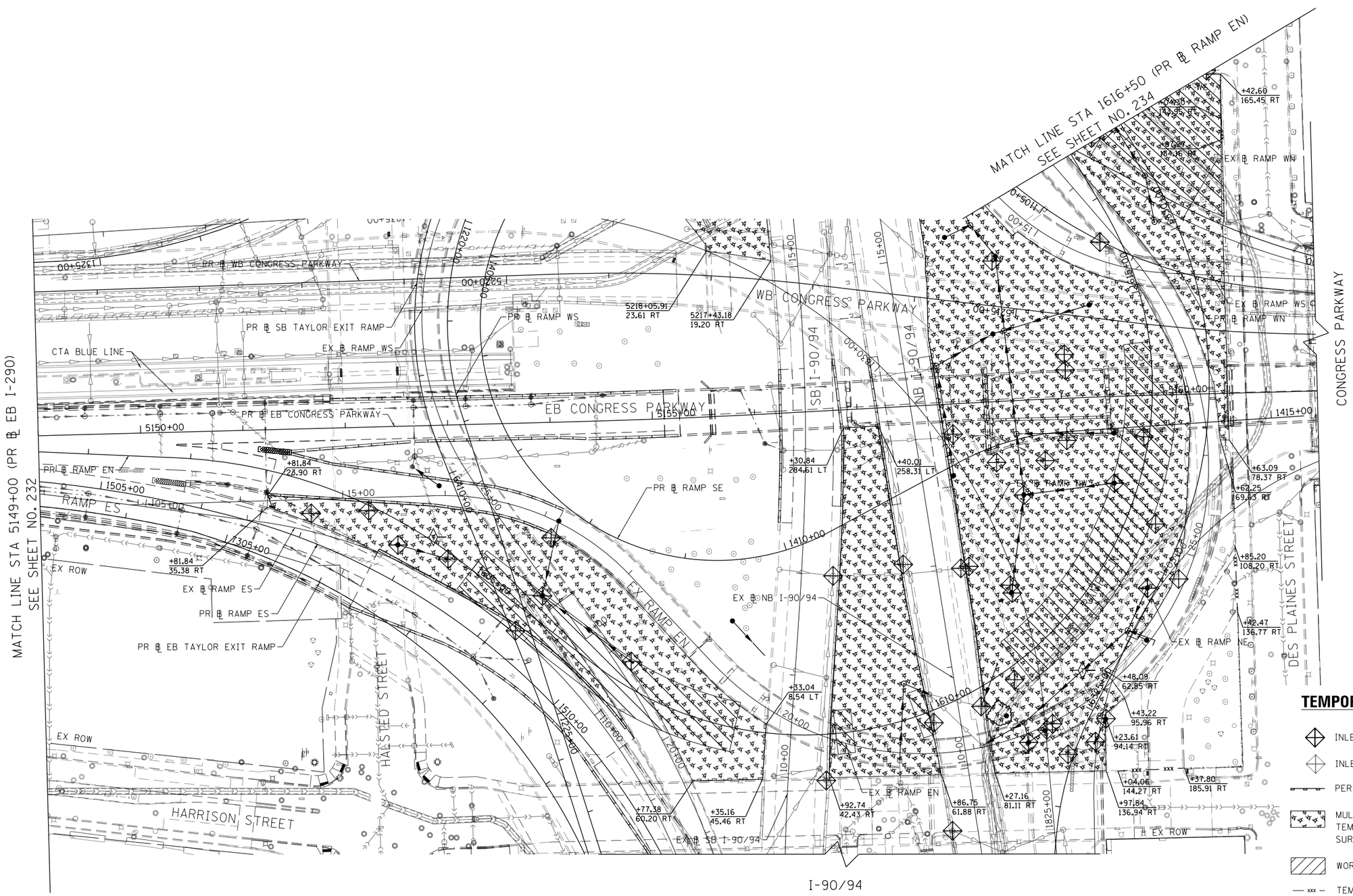
| | | | |
|---|---|---|---|
| D160X79-SHT-EROS1-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 1A/1B/1C**

SCALE: 1"=50' | SHEET 1 OF 12 SHEETS | STA. 5137+00 TO STA. 5149+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 232 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2
  TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- xxx TEMPORARY CHAIN LINK FENCE
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

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TranSystems

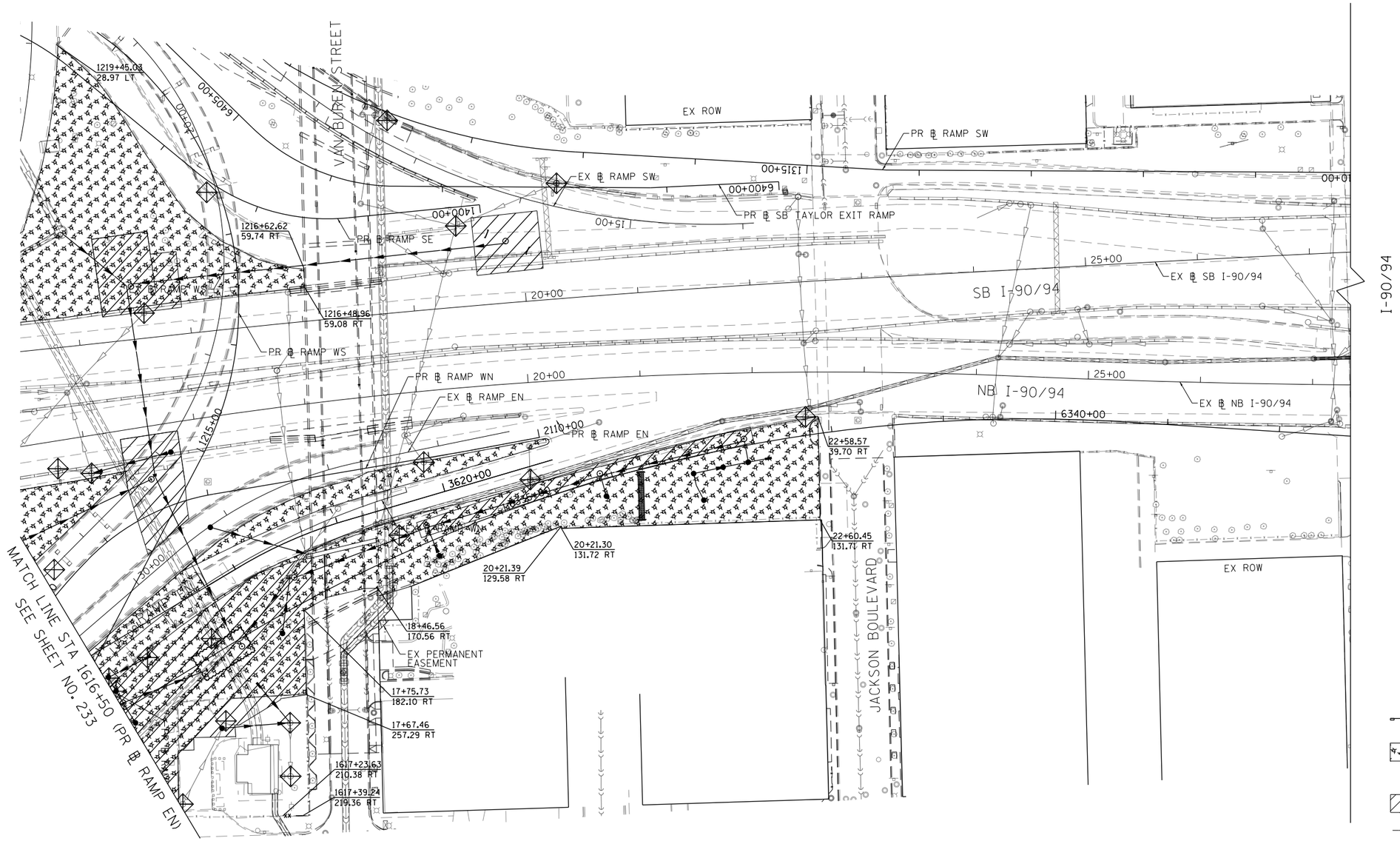
| | | | |
|---|---|---|---|
| D160X79-SHT-EROS1-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 1A/1B/1C**

SCALE: 1"=50' | SHEET 2 OF 12 SHEETS | STA. 5149+00 TO STA. 1616+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 233 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |




0 50 100
SCALE: 1" = 50'

## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- — xxx — TEMPORARY CHAIN LINK FENCE
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-EROSI-03.dgn

TranSystems

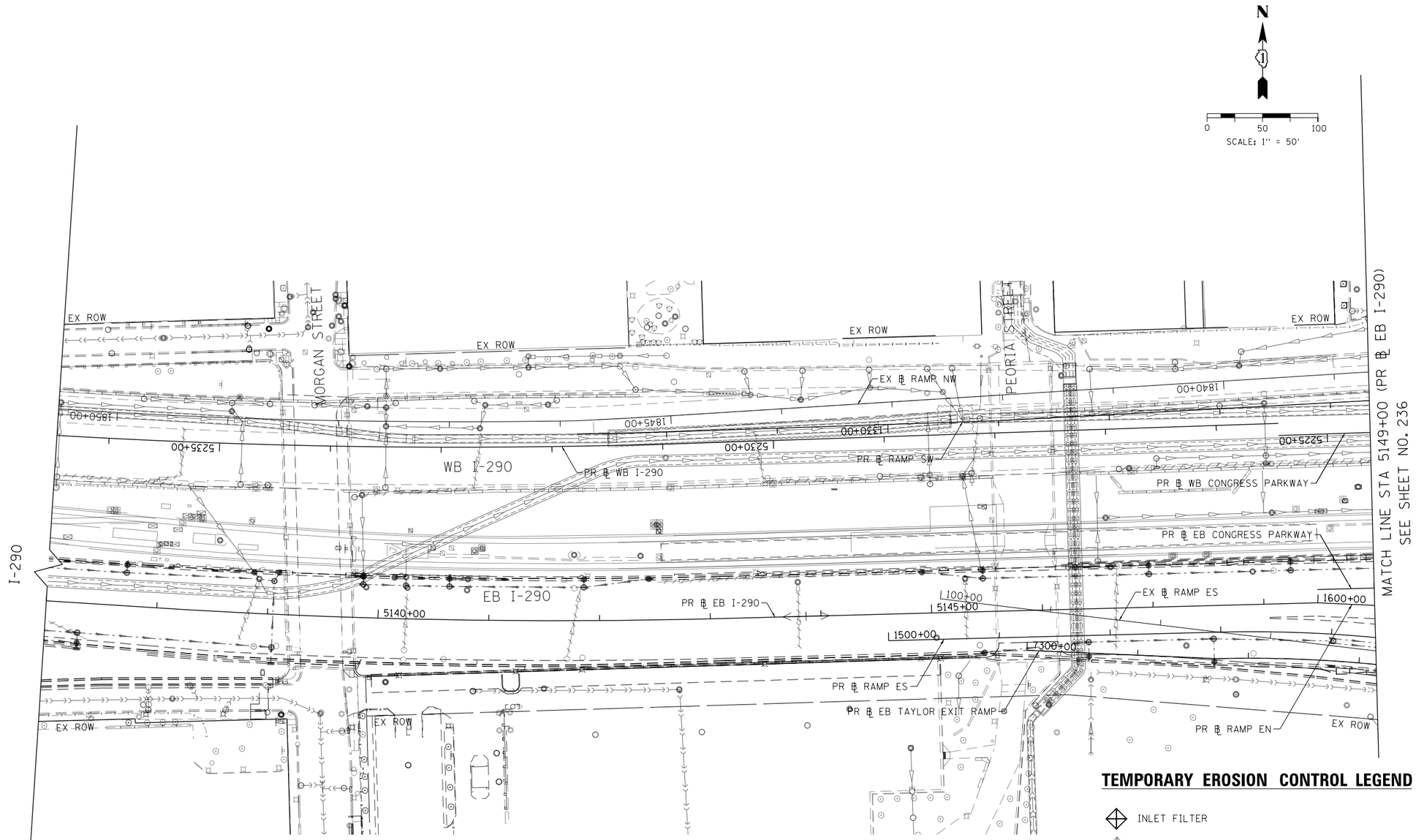
| | | | |
|---|---|---|---|
| D160X79-SHT-EROSI-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mlroe | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/6/2018 | DATE - 9-10-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 1A/1B/1C**

SCALE: 1"=50' | SHEET 3 OF 12 SHEETS | STA. 1616+50 TO STA. 1625+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 234 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2
  TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- — xxx — TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\002_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-EROS2-01.dgn

TranSystems

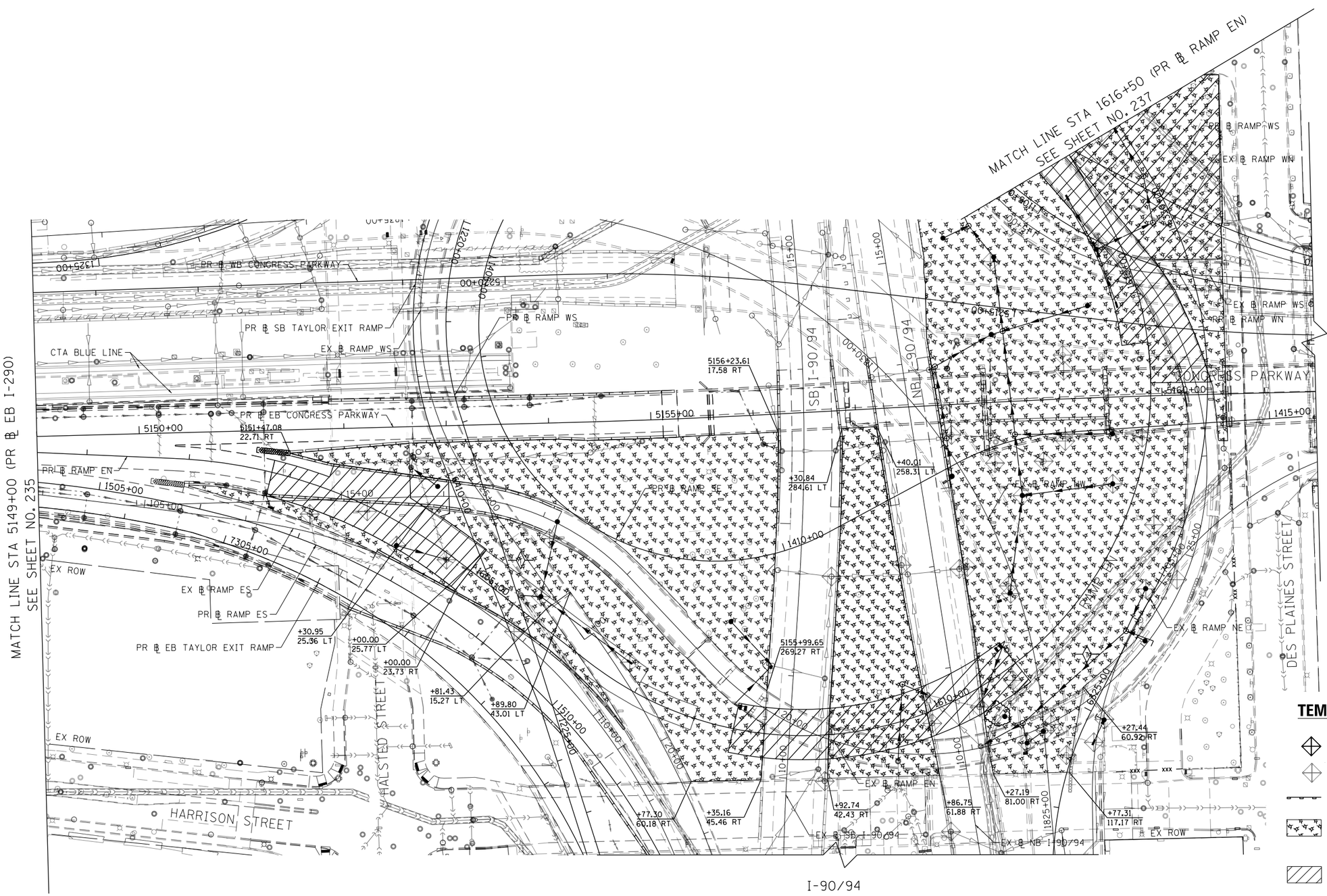
| | | | |
|---|---|---|---|
| D160X79-SHT-EROS2-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 2**

SCALE: 1"=50' | SHEET 4 OF 12 SHEETS | STA. 5137+00 TO STA. 5149+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 235 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




N

0 50 100
SCALE: 1" = 50'

## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- xxx TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

FILE PATH = pw:\\61479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-EROS2-02.dgn

TranSystems

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|---|---|---|---|
| D160X79-SHT-EROS2-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

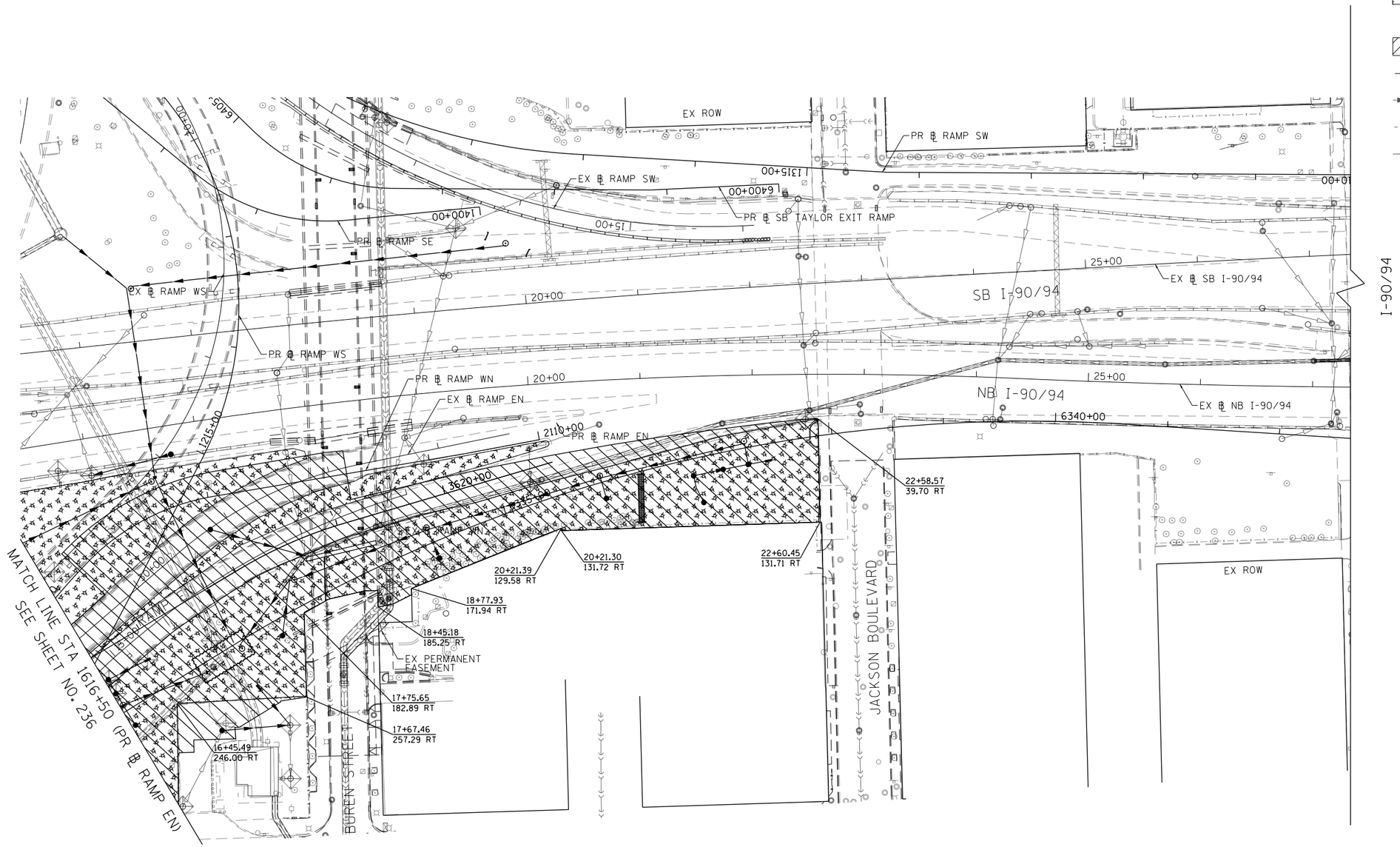
**EROSION AND SEDIMENTATION CONTROL**
**STAGE 2**

SCALE: 1"=50' | SHEET 5 OF 12 SHEETS | STA. 5149+00 TO STA. 1616+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 236 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2
  TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- — xxx — TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)

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0 50 100

SCALE: 1" = 50'

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TranSystems

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|---|---|---|---|
| D160X79-SHT-EROS2-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mlroe | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/6/2018 | DATE - 9-10-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 2**

SCALE: 1"=50' | SHEET 6 OF 12 SHEETS | STA. 1616+50 TO STA. 1625+00

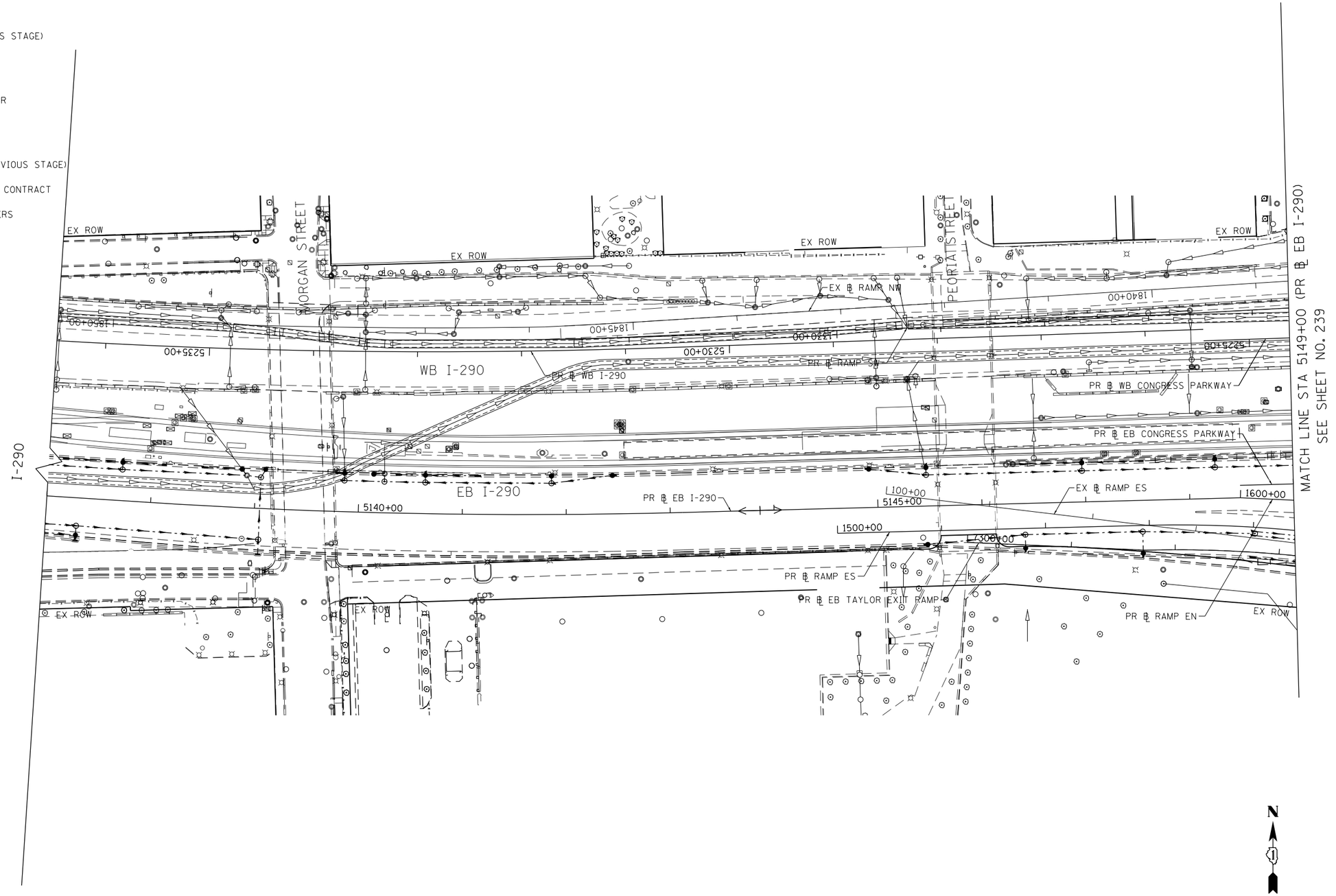
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 237 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS

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| | | | |
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| D160X79-SHT-EROS3-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

TranSystems

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

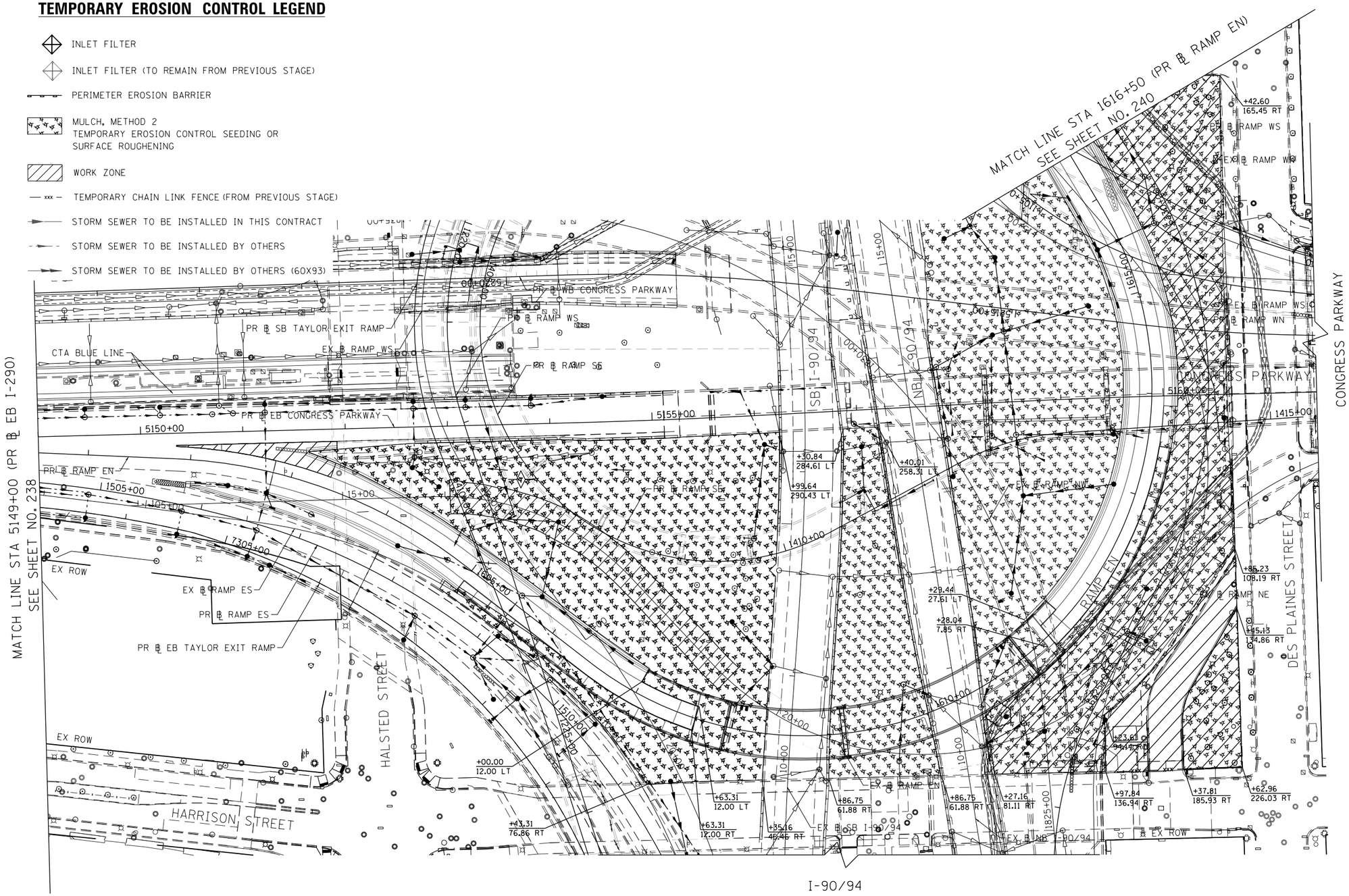
**EROSION AND SEDIMENTATION CONTROL**
**STAGE 3**

SCALE: 1"=50' | SHEET 7 OF 12 SHEETS | STA. 5135+00 TO STA. 5149+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 238 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)




N

0 50 100

SCALE: 1" = 50'

| | | | |
|---|---|---|---|
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| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

TranSystems

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 3**

SCALE: 1"=50' | SHEET 8 OF 12 SHEETS | STA. 5149+00 TO STA. 1616+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 239 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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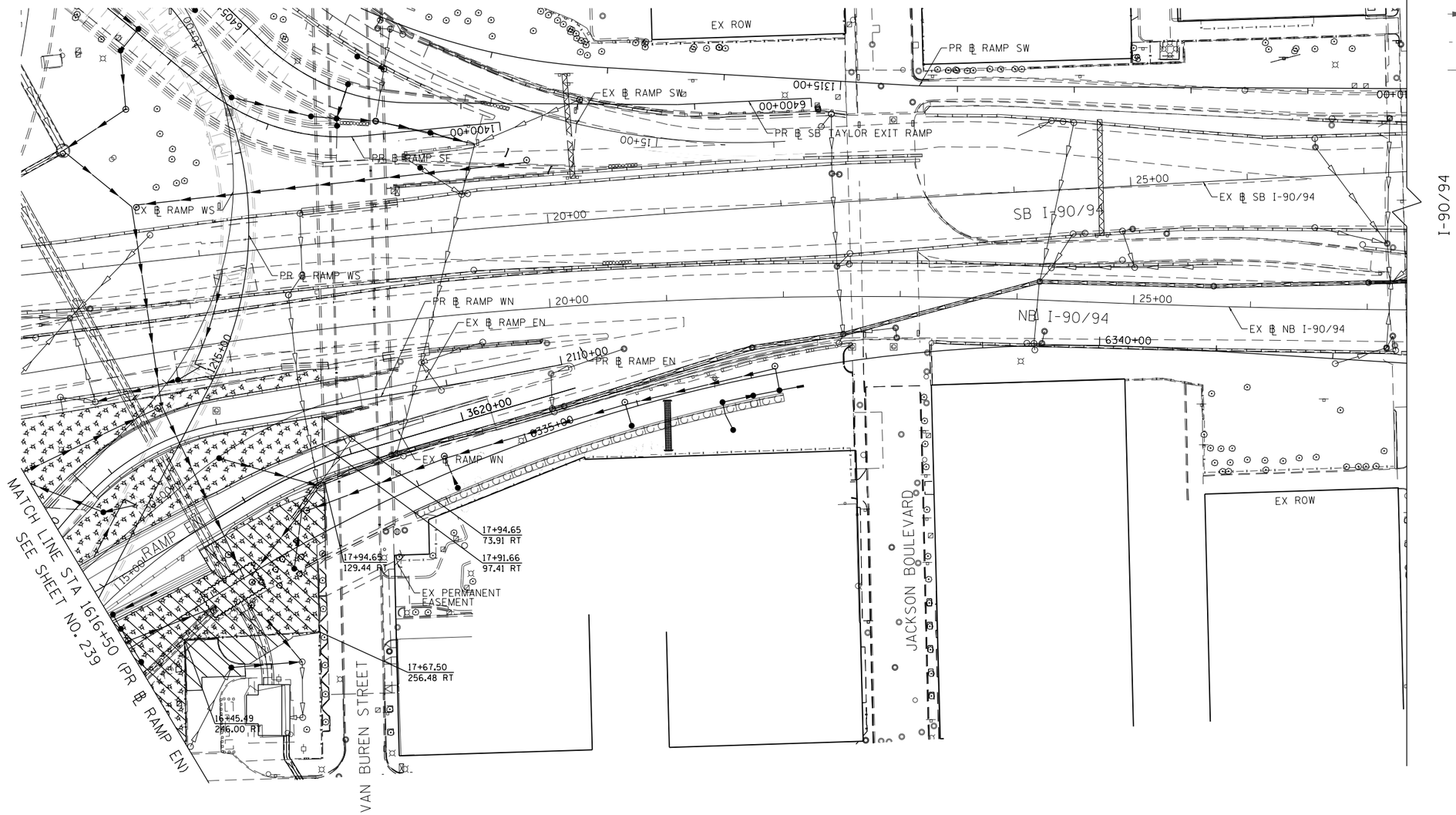
## TEMPORARY EROSION CONTROL LEGEND

- INLET FILTER
- INLET FILTER (TO REMAIN FROM PREVIOUS STAGE)
- PERIMETER EROSION BARRIER
- MULCH, METHOD 2 TEMPORARY EROSION CONTROL SEEDING OR SURFACE ROUGHENING
- WORK ZONE
- TEMPORARY CHAIN LINK FENCE (FROM PREVIOUS STAGE)
- STORM SEWER TO BE INSTALLED IN THIS CONTRACT
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)




N

0 50 100

SCALE: 1" = 50'

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TranSystems

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| USER NAME = mlroe | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/6/2018 | DATE - 9-10-2018 | REVISED - | |

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

**EROSION AND SEDIMENTATION CONTROL**
**STAGE 3**

SCALE: 1"=50' | SHEET 9 OF 12 SHEETS | STA. 1616+50 TO STA. 1625+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 240 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |

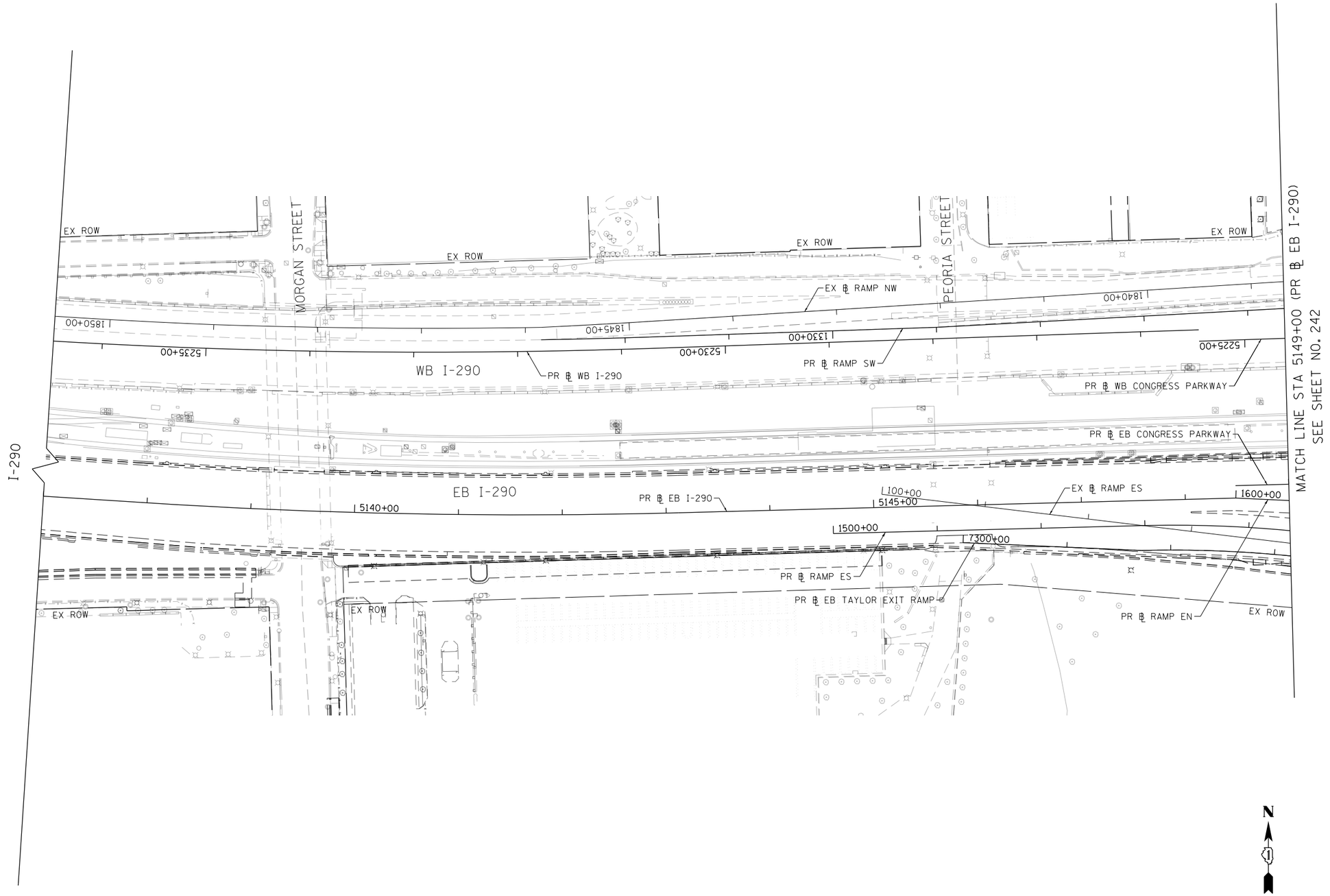
## PERMANENT EROSION CONTROL LEGEND

EROSION CONTROL BLANKET
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
TOPSOIL FURNISH AND PLACE, 4"

EROSION CONTROL BLANKET
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
TOPSOIL FURNISH AND PLACE, 24"

SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
NITROGREN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
SUPPLEMENTAL WATERING

AGGREGATE SURFACE COURSE, TYPE B - 4"




N

0 50 100
SCALE: 1" = 50'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-EROS-PERM-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

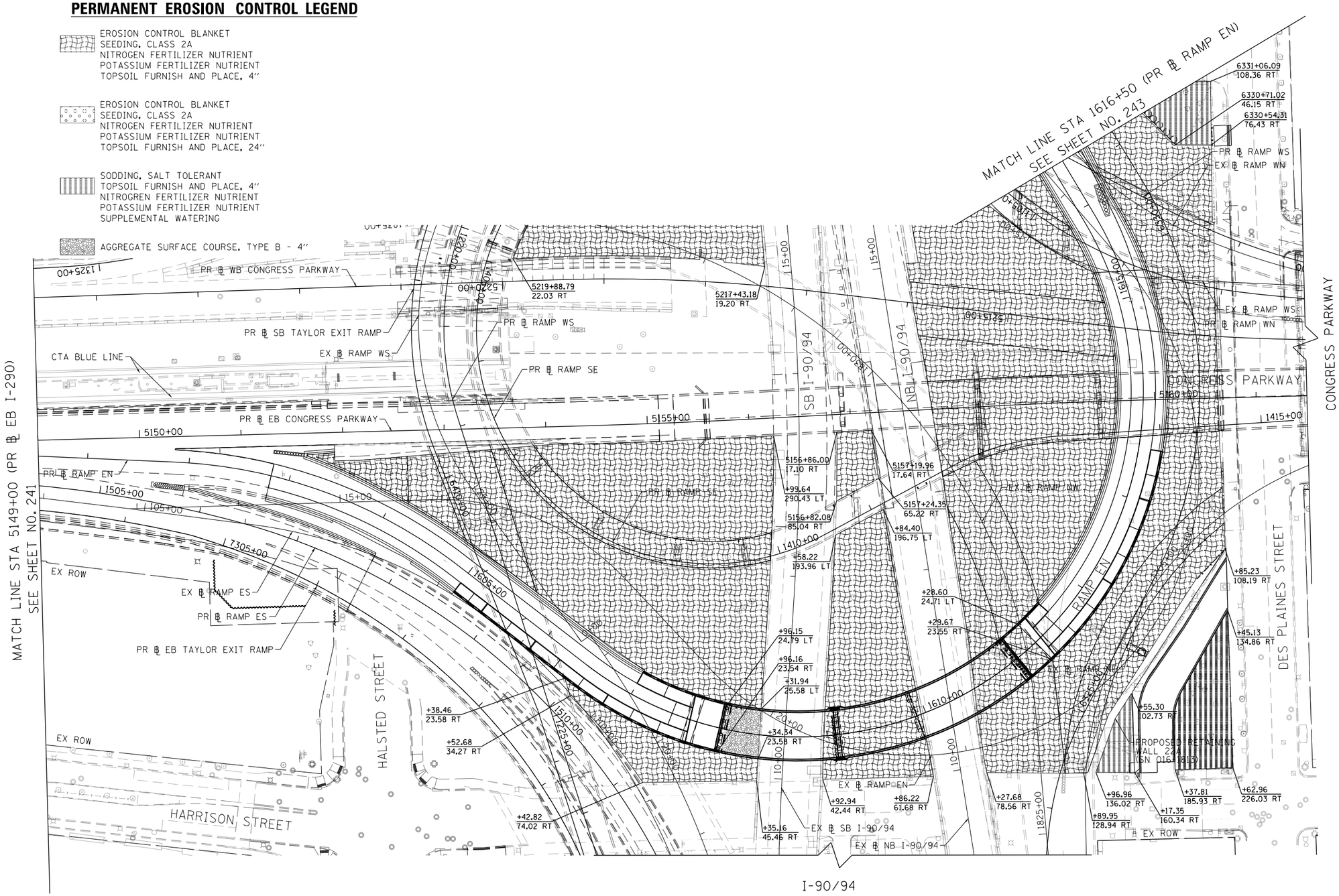
**PERMANENT EROSION AND SEDIMENTATION CONTROL**

SCALE: 1"=50' | SHEET 10 OF 12 SHEETS | STA. 5135+00 TO STA. 5149+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 241 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## PERMANENT EROSION CONTROL LEGEND

- EROSION CONTROL BLANKET
  SEEDING, CLASS 2A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  TOPSOIL FURNISH AND PLACE, 4"
- EROSION CONTROL BLANKET
  SEEDING, CLASS 2A
  NITROGEN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  TOPSOIL FURNISH AND PLACE, 24"
- SODDING, SALT TOLERANT
  TOPSOIL FURNISH AND PLACE, 4"
  NITROGREN FERTILIZER NUTRIENT
  POTASSIUM FERTILIZER NUTRIENT
  SUPPLEMENTAL WATERING
- AGGREGATE SURFACE COURSE, TYPE B - 4"

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-EROS-PERM-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PERMANENT EROSION AND SEDIMENTATION CONTROL**

SCALE: 1"=50' | SHEET 11 OF 12 SHEETS | STA. 5149+00 TO STA. 1616+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 242 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

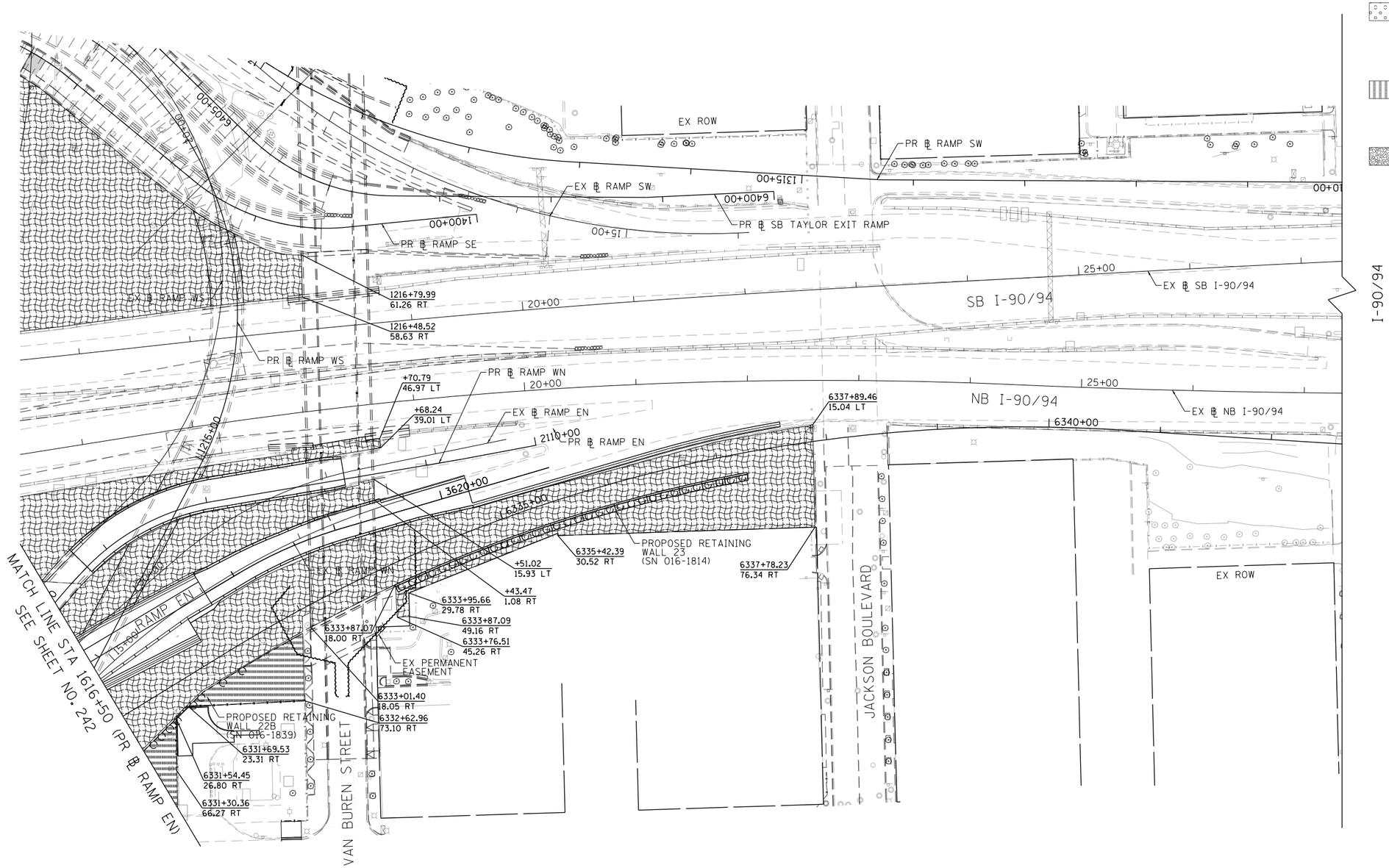
## PERMANENT EROSION CONTROL LEGEND

EROSION CONTROL BLANKET
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
TOPSOIL FURNISH AND PLACE, 4"

EROSION CONTROL BLANKET
SEEDING, CLASS 2A
NITROGEN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
TOPSOIL FURNISH AND PLACE, 24"

SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
NITROGREN FERTILIZER NUTRIENT
POTASSIUM FERTILIZER NUTRIENT
SUPPLEMENTAL WATERING

AGGREGATE SURFACE COURSE, TYPE B - 4"




N

0 50 100
SCALE: 1" = 50'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-EROS-PERM-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mlroe | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/6/2018 | DATE - 9-10-2018 | REVISED - | |

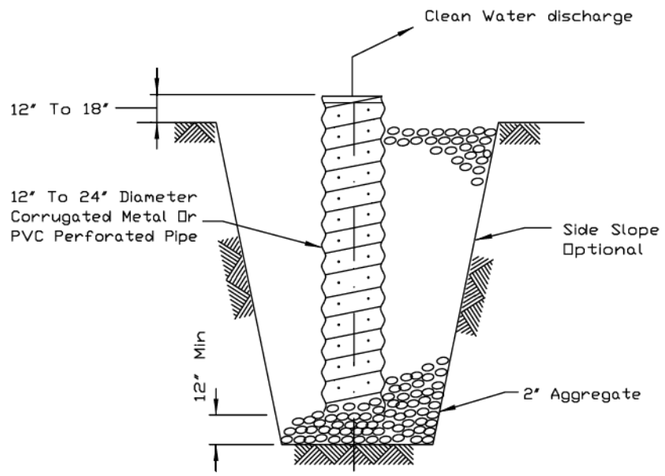
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENTATION CONTROL**

SCALE: 1"=50' | SHEET 12 OF 12 SHEETS | STA. 1616+50 TO STA. 1625+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 243 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## SUMP PIT PLAN

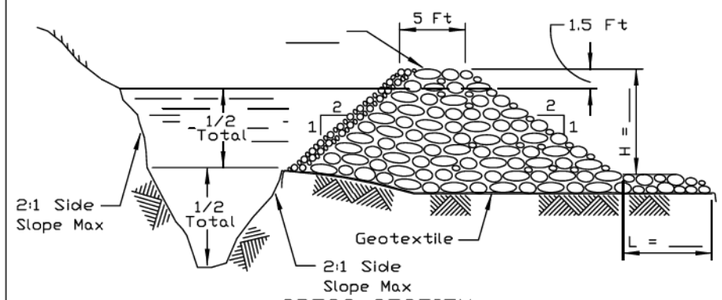



SECTION

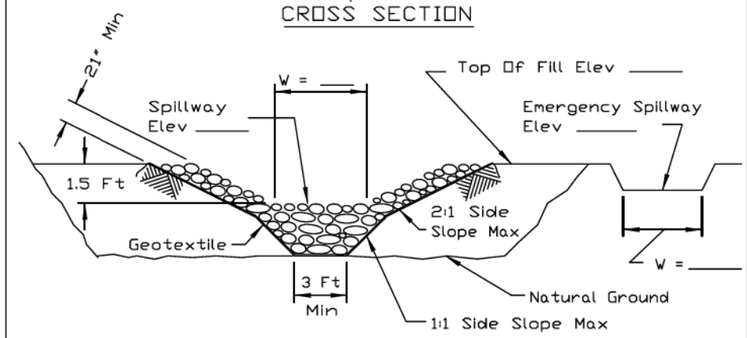
NOTES:
1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

| REFERENCE | | STANDARD DWG. NO. |
|---|---|---|
| Project | | IL-650 |
| Designed ____ Date ____ | NRCS Natural Resources Conservation Service | SHEET 1 OF 1 |
| Checked ____ Date ____ | | DATE 8-11-94 |
| Approved ____ Date ____ | | |

## TEMPORARY SEDIMENT TRAP




CROSS SECTION

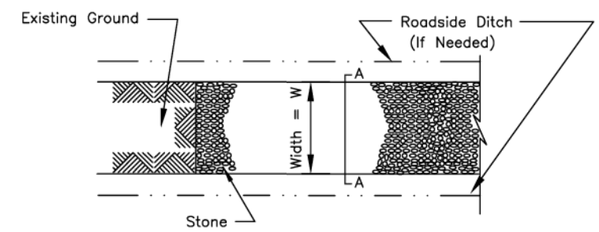



STONE SECTION

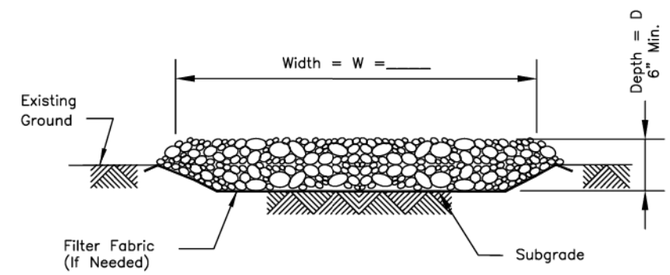
NOTES:
1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
2. The fill shall be constructed using IDOT RR-4 stone size. A 1'layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
4. The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I, II or IV.

| REFERENCE | | STANDARD DWG. NO. |
|---|---|---|
| Project | | IL-660 |
| Designed ____ Date ____ | NRCS Natural Resources Conservation Service | SHEET 1 OF 1 |
| Checked ____ Date ____ | | DATE 11-20-01 |
| Approved ____ Date ____ | | |

## CONSTRUCTION ROAD STABILIZATION




PLAN VIEW




SECTION A-A

NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Stone shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. See plans for construction road location, D and W dimensions.
4. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
5. Roadway shall follow the contour of the natural terrain to the extent possible.

| REFERENCE | | STANDARD DWG. NO. |
|---|---|---|
| Project | | IL-506 |
| Designed ____ Date ____ | NRCS Natural Resources Conservation Service | SHEET 1 OF 1 |
| Checked ____ Date ____ | | DATE 1-29-99 |
| Approved ____ Date ____ | | |

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| | | | |
|---|---|---|---|
| TranSystems | DI60X79-sht-Eros-Detail-01.dgn | DESIGNED - MRC | REVISED - |
| | USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| | PLOT SCALE = 100.0000 ' / in. | CHECKED - JMG | REVISED - |
| | PLOT DATE = 7/27/2018 | DATE - 7-30-2018 | REVISED - |

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

**EROSION AND SEDIMENTATION CONTROL PLAN**
**DETAILS**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 244 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

# EXISTING DRAINAGE STRUCTURE SCHEDULE

| STRUCTURE NUMBER | STATION | OFFSET | BASELINE | CATCH BASINS TO BE ADJUSTED EACH | MANHOLES TO BE ADJUSTED EACH | MANHOLES TO BE RECONSTRUCTED EACH | REMOVING MANHOLES EACH | REMOVING CATCH BASINS EACH | REMOVING INLETS EACH | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 1 | | | | | | | | | | |
| | | | SHEET 1 SUBTOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 2 | | | | | | | | | | |
| ES200 | 1603+83 | 4.66' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES201 | 1603+73 | 10.13' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES202 | 1603+30 | 28.67' RT | PR ℄ RAMP EN | | | | | 1 | | |
| ES203 | 1602+80 | 21.00' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 574.86 PR RIM: 574.86 |
| ES204 | 1604+75 | 5.67' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 574.66 PR RIM: 574.66 |
| ES206 | 1607+46 | 83.18' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES207 | 5152+65 | 39.72' RT | PR ℄ EB CONGRESS PARKWAY | 1 | | | | | | |
| ES208 | 1605+54 | 10.97' LT | PR ℄ RAMP EN | | | 1 | | | | ROTATE LID INTO SHOULDER |
| ES209 | 5154+40 | 29.92' RT | PR ℄ EB CONGRESS PARKWAY | 1 | | | | | | EX RIM: 585.28 PR RIM: 585.28 |
| ES210 | 12+02 | 21.73' LT | EX ℄ SB I-90/94 | 1 | | | | | | EX RIM: 575.29 PR RIM: 575.29 |
| | | | SHEET 2 SUBTOTAL: | 5 | 0 | 1 | 0 | 2 | 2 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 3 | | | | | | | | | | |
| ES301 | 1608+34 | 66.72' LT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 576.46 PR RIM: 576.46 |
| ES302 | 1609+56 | 36.68' RT | PR ℄ RAMP EN | | 1 | | | | | EX RIM: 582.22 PR RIM: 582.22 |
| ES303 | 1610+02 | 15.83' LT | PR ℄ RAMP EN | | 1 | | | | | EX RIM: 577.75 PR RIM: 577.75 |
| ES304 | 1610+96 | 15.34' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES305 | 1610+43 | 16.73' LT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 577.97 PR RIM: 577.97 |
| ES306 | 1610+66 | 0.36' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES308 | 1612+26 | 68.25' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES309 | 1612+88 | 43.16' RT | PR ℄ RAMP EN | | | | 1 | | | |
| ES310 | 10+19 | 17.16' RT | EX ℄ NB I-90/94 | | 1 | | | | | EX RIM: 578.74 PR RIM: 578.74 |
| ES311 | 1611+40 | 54.77' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES312 | 1611+24 | 102.12' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES313 | 1612+23 | 170.45' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES314 | 1612+78 | 138.13' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES315 | 1611+45 | 60.79' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES316 | 1610+63 | 70.57' RT | PR ℄ RAMP EN | | | | | 1 | | |
| ES317 | 1610+79 | 69.85' RT | PR ℄ RAMP EN | | | | | 1 | | |
| | | | SHEET 3 SUBTOTAL: | 2 | 3 | 0 | 2 | 8 | 1 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 4 | | | | | | | | | | |
| ES400 | 1615+69 | 15.54' LT | PR ℄ RAMP EN | | | | | | 1 | |
| ES401 | 1616+61 | 82.60' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES402 | 1616+28 | 172.85' LT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 574.41 PR RIM: 574.41 |
| ES403 | 1617+34 | 139.25' LT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 573.46 PR RIM: 573.46 |
| ES404 | 1614+34 | 9.85' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES406 | 1615+40 | 65.31' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES407 | 1615+60 | 18.58' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES408 | 1613+06 | 94.56' LT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 577.87 PR RIM: 577.87 |
| ES409 | 1618+04 | 119.30' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES410 | 1613+90 | 37.73' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES411 | 1614+01 | 34.85' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES412 | 1613+96 | 59.00' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES413 | 1614+04 | 56.58' RT | PR ℄ RAMP EN | | | | | | 1 | |
| ES414 | 1613+56 | 4.83' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES415 | 1613+37 | 78.30' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES416 | 1613+20 | 150.37' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES417 | 1613+01 | 187.55' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES418 | 1614+50 | 197.84' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES419 | 1614+53 | 215.55' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES420 | 1615+06 | 182.97' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES421 | 1615+26 | 197.71' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES422 | 1615+49 | 195.13' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES423 | 1615+83 | 169.28' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES424 | 1614+48 | 84.15' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES425 | 1614+72 | 153.48' LT | PR ℄ RAMP EN | | | | 1 | | | |
| ES426 | 1614+99 | 148.69' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES427 | 1615+01 | 50.62' LT | PR ℄ RAMP EN | | | | | 1 | | |
| ES428 | 1617+78 | 30.74' LT | PR ℄ RAMP EN | | | | | | 1 | |
| | | | SHEET 4 SUBTOTAL: | 3 | 0 | 0 | 6 | 13 | 6 | |

NOTES:

1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Schedule.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY SCHEDULES

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 245 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |

YD7

# EXISTING DRAINAGE STRUCTURE SCHEDULE (CONTINUED)

| STRUCTURE NUMBER | STATION | OFFSET | BASELINE | CATCH BASINS TO BE ADJUSTED | MANHOLES TO BE ADJUSTED | MANHOLES TO BE RECONSTRUCTED | REMOVING MANHOLES | REMOVING CATCH BASINS | REMOVING INLETS | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | EACH | EACH | EACH | EACH | EACH | EACH | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 5 | | | | | | | | | | |
| ES501 | 1618+61 | 20.87' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 578.60 PR RIM: 578.60 |
| | | | SHEET 5 SUBTOTAL: | 1 | 0 | 0 | 0 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 6 | | | | | | | | | | |
| | | | SHEET 6 SUBTOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 7 | | | | | | | | | | |
| | | | SHEET 7 SUBTOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 8 | | | | | | | | | | |
| | | | SHEET 8 SUBTOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 9 | | | | | | | | | | |
| ES900 | 1611+33 | 136.96' RT | PR ℄ RAMP EN | | | | 1 | | | |
| ES901 | 1612+41 | 132.56' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 590.62 PR RIM: |
| ES902 | 1612+60 | 121.98' RT | PR ℄ RAMP EN | | 1 | | | | | EX RIM: 590.10 PR RIM: 590.10 |
| ES903 | 1612+65 | 110.47' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 589.87 PR RIM: |
| | | | SHEET 9 SUBTOTAL: | 2 | 1 | 0 | 1 | 0 | 0 | |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 10 | | | | | | | | | | |
| ES1001 | 1617+23 | 111.68' RT | PR ℄ RAMP EN | | | | | 1 | | |
| ES1002 | 1617+72 | 142.47' RT | PR ℄ RAMP EN | 1 | | | | | | EX RIM: 593.17 PR RIM: 593.17 |
| | | | SHEET 10 SUBTOTAL: | 1 | 0 | 0 | 0 | 1 | 0 | |
| | | | TOTAL | 14 | 4 | 1 | 9 | 24 | 9 | |

NOTES:

1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

## EXISTING PIPE SCHEDULE

| PIPE | UPSTREAM | DOWNSTREAM | UPSTREAM INVERT ELEVATION | DOWNSTREAM INVERT ELEVATION | PIPE SLOPE (%) | STORM SEWER REMOVAL 12" FOOT | STORM SEWER REMOVAL 18" FOOT | STORM SEWER REMOVAL 24" FOOT | STORM SEWER REMOVAL 30" FOOT | STORM SEWER REMOVAL 36" FOOT | COMBINED SEWER REMOVAL, 6" FOOT | TRENCH BACKFILL CU YD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 1 | | | | | | | | | | | | |
| | | | | | SHEET 1 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 2 | | | | | | | | | | | | |
| R200 | ES200 | ES201 | 570.66 | 570.41 | 2.27% | 11 | | | | | | 1.0 |
| R201 | ES201 | ES202 | 570.51 | 570.06 | 1.00% | 45 | | | | | | 7.5 |
| R203 | EX SCUPPER | ES204 | 570.66 | 573.90 | 4.00% | 81 | | | | | | 13.2 |
| R205 | EX SCUPPER | ES206 | 581.61 | 581.53 | 1.00% | 8 | | | | | | 0.0 |
| R206 | ES206 | ES210 | 581.81 | 572.29 | 10.46% | 91 | | | | | | 1.0 |
| R207 | EX SCUPPER | ES209 | 579.51 | 579.08 | 0.50% | 85 | | | | | | 0.0 |
| | | | | | SHEET 2 TOTAL: | 321 | 0 | 0 | 0 | 0 | 0 | 23 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 3 | | | | | | | | | | | | |
| R301 | ES317 | ES316 | 575.71 | 575.61 | 0.50% | 20 | | | | | | 0.0 |
| R302 | ES302 | ES303 | 578.20 | 574.75 | 4.86% | | 71 | | | | | 0.6 |
| R304 | ES304 | ES305 | 573.65 | 573.33 | 1.00% | 32 | | | | | | 11.9 |
| R305 | ES309 | ES414 | 575.45 | 573.97 | 1.00% | 86 | | | | | | 28.8 |
| R306 | | ES304 | 575.61 | 573.50 | 2.27% | 93 | | | | | | 0.0 |
| R307 | ES307 | ES306 | 575.71 | 575.61 | 0.50% | 20 | | | | | | 0.0 |
| R308 | ES308 | ES309 | 588.63 | 588.25 | 0.50% | 76 | | | | | | 0.0 |
| R309 | | ES308 | 588.89 | 588.63 | 0.50% | 51 | | | | | | 0.0 |
| R310 | ES304 | ES305 | 573.50 | 573.21 | 1.00% | 29 | | | | | | 5.9 |
| R311 | ES311 | ES312 | 571.85 | 571.61 | 0.50% | 49 | | | | | | 13.0 |
| R312 | ES313 | ES312 | 572.06 | 571.61 | 0.50% | 90 | | | | | | 16.3 |
| | | | | | SHEET 3 TOTAL: | 546 | 71 | 0 | 0 | 0 | 0 | 77 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 4 | | | | | | | | | | | | |
| R400 | ES413 | ES412 | 578.43 | 578.37 | 0.50% | 11 | | | | | | 2.7 |
| R401 | ES412 | ES410 | 578.32 | 578.18 | 0.64% | 22 | | | | | | 5.1 |
| R402 | ES410 | ES404 | 578.17 | 577.96 | 0.32% | 66 | | | | | | 22.2 |
| R403 | ES411 | ES410 | 578.18 | 578.12 | 0.50% | 12 | | | | | | 2.8 |
| R404 | | EX MAIN DRAIN | 558.98 | 557.00 | 2.64% | | | | | 75 | | 431.5 |
| R405 | ES428 | ES403 | 574.65 | 569.91 | 4.05% | 117 | | | | | | 8.6 |
| R406 | ES400 | ES407 | 576.78 | 576.49 | 3.22% | 9 | | | | | | 1.0 |
| R407 | ES415 | ES408 | 575.30 | 574.37 | 3.32% | 28 | | | | | | 7.0 |
| R408 | ES408 | ES416 | 574.37 | 574.09 | 0.50% | 56 | | | | | | 12.0 |
| R409 | ES409 | ES403 | 570.52 | 569.76 | 1.04% | 73 | | | | | | 8.1 |
| R410 | ES407 | ES406 | 576.49 | 575.99 | 1.00% | 50 | | | | | | 8.0 |
| R411 | ES401 | ES402 | 578.38 | 570.41 | 8.30% | 96 | | | | | | 2.6 |
| R412 | ES414 | ES408 | 577.49 | 575.94 | 1.57% | 99 | | | | | | 5.3 |
| R413 | | ES416 | 574.09 | 574.09 | 0.50% | | | 47 | | | | 4.6 |
| R414 | ES417 | ES418 | 569.94 | 569.62 | 0.50% | | | 64 | | | | 19.2 |
| R415 | ES419 | ES418 | 568.94 | 568.86 | 0.50% | 17 | | | | | | 20.8 |
| R416 | ES418 | ES420 | 568.63 | 568.36 | 1.00% | | 27 | | | | | 32.8 |
| R417 | | ES420 | 568.54 | 568.36 | 1.00% | | 18 | | | | | 33.6 |
| R418 | ES421 | ES422 | 574.81 | 574.75 | 0.50% | 12 | | | | | | 41.6 |
| R419 | ES420 | ES423 | 568.86 | 568.66 | 0.50% | | | | 40 | | | 33.4 |
| R420 | ES423 | ES402 | 568.66 | 568.44 | 0.50% | | | | 43 | | | 26.1 |
| R421 | ES404 | ES424 | 577.96 | 577.59 | 0.50% | 75 | | | | | | 10.6 |
| R422 | ES424 | ES425 | 576.22 | 575.86 | 0.50% | 73 | | | | | | 6.4 |
| R423 | ES416 | ES425 | 574.09 | 573.68 | 0.50% | | | 83 | | | | 10.6 |
| R424 | ES425 | ES420 | 573.68 | 573.51 | 0.50% | | | 34 | | | | 10.7 |
| R425 | ES426 | ES425 | 575.94 | 575.86 | 0.50% | 16 | | | | | | 1.8 |
| R426 | ES427 | ES406 | 576.17 | 575.99 | 0.50% | 36 | | | | | | 0.0 |
| R427 | ES406 | ES402 | 575.99 | 575.34 | 0.50% | 131 | | | | | | 0.0 |
| | | | | | SHEET 4 TOTAL: | 999 | 45 | 228 | 83 | 75 | 0 | 770 |

## EXISTING PIPE SCHEDULE (CONTINUED)

| PIPE | UPSTREAM | DOWNSTREAM | UPSTREAM INVERT ELEVATION | DOWNSTREAM INVERT ELEVATION | PIPE SLOPE (%) | STORM SEWER REMOVAL 12" FOOT | STORM SEWER REMOVAL 18" FOOT | STORM SEWER REMOVAL 24" FOOT | STORM SEWER REMOVAL 30" FOOT | STORM SEWER REMOVAL 36" FOOT | COMBINED SEWER REMOVAL, 6" FOOT | TRENCH BACKFILL CU YD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 5 | | | | | | | | | | | | |
| | | | | | SHEET 5 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 6 | | | | | | | | | | | | |
| | | | | | SHEET 6 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 7 | | | | | | | | | | | | |
| | | | | | SHEET 7 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 8 | | | | | | | | | | | | |
| | | | | | SHEET 8 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 9 | | | | | | | | | | | | |
| R900 | ES900 | | 591.05 | 590.67 | 1.00% | | | | | | 38 | 7.6 |
| | | | | | SHEET 9 TOTAL: | 0 | 0 | 0 | 0 | 0 | 38 | 8 |
| EXISTING DRAINAGE AND UTILITY PLANS - SHEET 10 | | | | | | | | | | | | |
| R1001 | ES1001 | ES1002 | 588.38 | 588.22 | 0.28% | 57 | | | | | | 17.5 |
| R1002 | | ES1001 | 588.39 | 588.38 | 0.14% | 7 | | | | | | 1.7 |
| | | | | | SHEET 10 TOTAL: | 64 | 0 | 0 | 0 | 0 | 0 | 20 |
| | | | | | TOTALS | 1930 | 116 | 228 | 83 | 75 | 38 | 898 |

NOTES:

1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

# PROPOSED DRAINAGE STRUCTURE SCHEDULE

NOTES: 1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

| | STRUCTURE | STATION | OFFSET | OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, CENTER OF GRATE, OR FLOW LINE) | BASELINE | PROPOSED RIM (ELEV) | N. INVERT (ELEV) | W. INVERT (ELEV) | E. INVERT (ELEV) | S. INVERT (ELEV) | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 FRAME AND GRATE | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1FRAME, OPEN LID | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID | INLETS, TYPE A, TYPE 8 GRATE | INLETS, TYPE A, TYPE 10 FRAME AND GRATE | INLETS, TYPE A, TYPE 20 FRAME AND GRATE | INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH |
| | PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 1 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | SHEET 1 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 2 | | | | | | | | | | | | | | | | | | | | | | |
| | S2-01 | 1604+25.00 | 22.00'RT | EOS | PR ℄ RAMP EN | 577.05 | | | 570.77 | | | | 1 | | | | | | | | | | |
| | S2-02 | 1605+70.00 | 23.00'LT | EOS | PR ℄ RAMP EN | 583.87 | 574.25 | 574.00 | 574.25 | | | | 1 | | | | | | | | | | |
| | S2-04 | 1602+89.60 | 33.88'RT | COG | PR ℄ RAMP EN | 577.30 | 570.94 | | | | | | | | | | | | | | 1 | | |
| | S2-03 | 1604+30.80 | 49.23'LT | COG | PR ℄ RAMP EN | 577.80 | 573.16 | | | | | | | 1 | | | | | | | | | |
| | S2-05 | 1606+80.00 | 24.00'LT | EOS | PR ℄ RAMP EN | 589.11 | | 575.33 | | | | | | | | | | | | | | | 1 |
| | S2-06 | 1605+38.00 | 89.66'LT | COG | PR ℄ RAMP EN | 578.26 | | DS-H SCUPPER CONNECTION (FROM 60X93) | | 574.62 | | | | 1 | | | | | | | | | |
| | | | | | | | | | | SHEET 2 TOTAL: | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| | PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 3 | | | | | | | | | | | | | | | | | | | | | | |
| | S3-01 | 1610+68.54 | 52.00'RT | COS | PR ℄ RAMP EN | 575.97 | | 572.23 | 572.23 | 572.23 | | | | | 1 | | | | | | | | |
| | S3-02 | 1607+70.00 | 100.82'LT | COG | PR ℄ RAMP EN | 575.50 | | | | 571.73 | | | | 1 | | | | | | | | | |
| * | S3-03 | 6324+72.77 | 15.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 578.24 | 572.74 | | | | | | | | | | | | | | | | 1 |
| * | S3-04 | 6324+98.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 578.45 | | 572.62 | | 572.62 | 1 | | | | | | | | | | | | |
| * | S3-05 | 6325+85.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 579.84 | | 574.34 | | | 1 | | | | | | | | | | | | |
| | S3-06 | 1609+81.31 | 34.28'LT | COS | PR ℄ RAMP EN | 581.00 | | | 572.88 | 572.88 | | | | | 1 | | | | | | | | |
| | S3-07 | 1610+62.70 | 70.57'RT | COS | PR ℄ RAMP EN | 576.80 | 572.33 | | 572.33 | | 1 | | | | | | | | | | | | |
| | S3-08 | 1612+25.00 | 48.25'RT | COG | PR ℄ RAMP EN | 579.78 | | | | 573.14 | | | | 1 | | | | | | | | | |
| | S3-09 | 1610+78.96 | 69.85'RT | COG | PR ℄ RAMP EN | 575.14 | | 572.42 | | | | | | 1 | | | | | | | | | |
| | S3-10 | 1611+39.81 | 54.77'LT | COS | PR ℄ RAMP EN | 583.72 | 571.33 | | | | 1 | | | | | | | | | | | | |
| | S3-11 | 1612+50.00 | 101.4'LT | COG | PR ℄ RAMP EN | 572.15 | 568.45 | | 568.45 | 568.45 | | | | 1 | | | | | | | | | |
| | S3-12 | 6325+85.00 | 6.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 581.11 | 572.91 | 572.91 | | | | | | | 1 | | | | | | | | |
| | S3-13 | 1612+22.93 | 170.45'LT | COS | PR ℄ RAMP EN | 575.49 | 569.51 | | | | 1 | | | | | | | | | | | | |
| | S3-14 | 1612+90.05 | 190.95'LT | COS | PR ℄ RAMP EN | 575.19 | 568.32 | EX | | 569.32 | | | | | | 1 | | | | | | | |
| | | | | | | | | | | SHEET 3 TOTAL: | 5 | 0 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 4 | | | | | | | | | | | | | | | | | | | | | | |
| | S4-01 | 1613+03.00 | 24.00'LT | EOS | PR ℄ RAMP EN | 586.33 | | 571.12 | | | | | 1 | | | | | | | | | | |
| | S4-02 | 1614+93.00 | 24.00'LT | EOS | PR ℄ RAMP EN | 576.35 | 569.59 | | | | | | | | | | | | | | | 1 | |
| | S4-03 | 1615+55.00 | 24.00'LT | EOS | PR ℄ RAMP EN | 574.85 | 568.53 | | 568.23 | 569.02 | | | 1 | | | | | | | | | | |
| | S4-04 | 6330+14.00 | 19.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 579.50 | 567.12 | 567.62 | | 567.87 | | | | | 1 | | | | | | | | |
| | S4-05 | 6331+18.00 | 6.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 577.31 | 566.60 | 570.10 | 571.48 | 566.60 | | | | | | | 1 | | | | | | |
| | S4-06 | 1616+53.30 | 25.64'RT | EOS | PR ℄ RAMP EN | 575.79 | 570.78 | | 570.48 | | | | 1 | | | | | | | | | | |
| | S4-07 | 1616+15.00 | 24.00'LT | EOS | PR ℄ RAMP EN | 574.95 | | | | 569.11 | | | | | | | | | | | | 1 | |
| * | S4-08 | 6331+18.00 | 20.15'LT | COS | PR ℄ FUTURE NB C-D ROAD | 576.96 | | 570.41 | 570.16 | | 1 | | | | | | | | | | | | |
| * | S4-09 | 6331+18.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 577.45 | | 571.58 | | | 1 | | | | | | | | | | | | |
| | S4-10 | 1616+92.37 | 28.38'RT | EOS | PR ℄ RAMP EN | 576.81 | | | | 570.97 | | | | | | | | | | | | 1 | |
| | S4-11 | 6333+01.81 | 25.45'LT | COS | PR ℄ FUTURE NB C-D ROAD | 575.49 | 556.13 | | 568.35 | 556.13 | | | | | | | | | 1 | | | | |
| * | S4-12 | 6332+72.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 574.69 | | 568.85 | | | 1 | | | | | | | | | | | | |
| | S4-14 | 1616+02.19 | 114.48'LT | COG | PR ℄ RAMP EN | 570.99 | 567.29 | | | 567.29 | | | | | | | 1 | | | | | | |
| | S4-15 | 3618+00.00 | 43.64'LT | COG | PR ℄ RAMP EN | 575.23 | 570.23 | | | | | | | 1 | | | | | | | | | |
| | S4-16 | 6330+60.00 | 6.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 578.68 | 566.89 | | | 566.89 | | | | | | 1 | | | | | | | |
| | S4-17 | 1616+43.44 | 147.61'LT | COS | PR ℄ RAMP EN | 571.33 | | | 567.93 | | | | | 1 | | | | | | | | | |
| | S4-18 | 1614+98.90 | 137.16'LT | COS | PR ℄ RAMP EN | 572.38 | 567.65 | 567.65 | 567.65 | 567.65 | | | | | | 1 | | | | | | | |
| | S4-19 | 1614+98.57 | 148.69'LT | COS | PR ℄ RAMP EN | 572.66 | | 567.65 | 567.71 | | 1 | | | | | | | | | | | | |
| | S4-20 | 1613+31.35 | 127.68'LT | COS | PR ℄ RAMP EN | 573.95 | 568.15 | | 568.15 | 568.15 | | | | | | 1 | | | | | | | |
| | S4-21 | 1613+54.98 | 34.20'LT | COS | PR ℄ RAMP EN | 582.50 | | 568.63 | | | 1 | | | | | | | | | | | | |
| | S4-22 | 1615+00.51 | 50.62'LT | COS | PR ℄ RAMP EN | 576.66 | | 568.08 | | | 1 | | | | | | | | | | | | |
| | S4-23 | 1616+40.89 | 118.91'LT | COS | PR ℄ RAMP EN | 580.57 | 567.10 | 567.79 | | 567.10 | | | | | | 1 | | | | | | | |
| | S4-24 | 1614+59.07 | 208.26'LT | COS | PR ℄ RAMP EN | 574.35 | | 567.97 | 567.97 | 567.97 | 1 | | | | | | | | | | | | |
| | | | | | | | | | | SHEET 4 TOTAL: | 7 | 0 | 3 | 2 | 1 | 4 | 2 | 0 | 1 | 0 | 0 | 3 | 0 |
| | PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 5 | | | | | | | | | | | | | | | | | | | | | | |
| * | S5-01 | 6334+30.00 | 12.45'LT | COS | PR ℄ FUTURE NB C-D ROAD | 575.13 | 556.38 | | 567.94 | 556.38 | | | | | | | | 1 | | | | | |
| * | S5-02 | 6334+30.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 574.05 | | 568.21 | | | 1 | | | | | | | | | | | | |
| * | S5-03 | 6335+90.00 | 4.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 574.33 | 556.70 | | 567.36 | 556.70 | | | | | | | | 1 | | | | | |
| * | S5-04 | 6335+90.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 573.41 | | 567.57 | | | 1 | | | | | | | | | | | | |
| * | S5-05 | 6337+21.67 | 4.00'LT | COS | PR ℄ FUTURE NB C-D ROAD | 573.94 | 556.95 | | 566.27 | 556.95 | | | | | | | | 1 | | | | | |
| * | S5-06 | 6337+21.67 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 573.02 | 567.01 | 566.48 | | 566.78 | 1 | | | | | | | | | | | | |
| * | S5-07 | 6336+98.47 | 14.07'RT | COS | PR ℄ FUTURE NB C-D ROAD | 573.04 | 567.00 | | | 567.00 | 1 | | | | | | | | | | | | |
| * | S5-08 | 6337+40.00 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 573.03 | | | | 567.19 | | | | | | | | | | | | | 1 |
| * | S5-09 | 6336+71.28 | 14.00'RT | COS | PR ℄ FUTURE NB C-D ROAD | 573.10 | 567.27 | | | | 1 | | | 1 | | | | | | | | | |
| | | | | | | | | | | SHEET 5 TOTAL: | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 |

* DRAINAGE STRUCTURE TO BE INSTALLED WITH INLET FILTER LEFT IN PLACE AT PROPOSED RIM ELEVATION. STRUCTURE SHALL BE BURIED TO MATCH GRADING PLANS

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.I\002_CAD\006-Roadway\Sheets\60X79-Contract\D160X79-sht-Drain-Schedule.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Schedule.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY SCHEDULES

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 248 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

## PROPOSED DRAINAGE STRUCTURE SCHEDULE (CONTINUED)

| STRUCTURE | STATION | OFFSET | OFFSET LOCATION (EDGE OF SHOULDER, CENTER OF STRUCTURE, CENTER OF GRATE, OR FLOW LINE) | BASELINE | PROPOSED RIM (ELEV) | N. INVERT (ELEV) | W. INVERT (ELEV) | E. INVERT (ELEV) | S. INVERT (ELEV) | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 FRAME AND GRATE | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1FRAME, OPEN LID | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID | MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID | INLETS, TYPE A, TYPE 8 GRATE | INLETS, TYPE A, TYPE 10 FRAME AND GRATE | INLETS, TYPE A, TYPE 20 FRAME AND GRATE | INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH | EACH |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 6 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | SHEET 6 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 7 | | | | | | | | | | | | | | | | | | | | | | |
| S7-01 | 16+47.06 | 48.16'LT | COS | EX ℄ SB I-90/94 | 577.25 | 555.92 | | 555.42 | 555.42 | | | | | | | | | 1 | | | | |
| S7-02 | 16+57.71 | 45.30'RT | COS | EX ℄ NB I-90/94 | 578.83 | | 555.31 | 555.31 | 566.42 | | | | | | | | | 1 | | | | |
| S7-03 | 16+75.12 | 26.85'RT | EOS | EX ℄ NB I-90/94 | 574.02 | | | | 570.52 | | | 1 | | | | | | | | | | |
| | | | | | | | | | SHEET 7 TOTAL: | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 8 | | | | | | | | | | | | | | | | | | | | | | |
| S8-01 | 19+86.09 | 55.08'LT | COS | EX ℄ SB I-90/94 | 577.70 | 556.25 | | | 556.25 | | | | | | | | | 1 | | | | |
| | | | | | | | | | SHEET 8 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 9 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | SHEET 9 TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 10 | | | | | | | | | | | | | | | | | | | | | | |
| S10-01 | 1617+17.17 | 115.55'RT | COS | PR ℄ RAMP EN | 592.64 | 588.38 | | 588.39 (EX) | | | 1 | | | | | | | | | | | |
| S10-02 | 1617+64.86 | 99.42'RT | COS | PR ℄ RAMP EN | 593.14 | | | 588.44 | | | 1 | | | | | | | | 1 | | | |
| | | | | | | | | | SHEET 10 TOTAL | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | TOTALS: | 17 | 2 | 6 | 9 | 4 | 5 | 2 | 3 | 4 | 1 | 1 | 3 | 3 |

✱ DRAINAGE STRUCTURE TO BE INSTALLED AT PROPOSED RIM ELEVATION WITH INLET FILTER LEFT IN PLACE. STRUCTURE SHALL BE BURIED TO MATCH GRADING PLANS

## PROPOSED PIPE SCHEDULE

| PIPE | UPSTREAM STRUCTURE | DOWNSTREAM STRUCTURE | UPSTREAM INVERT ELEVATION | DOWNSTREAM INVERT ELEVATION | PIPE SLOPE (%) | STORM SEWERS, CLASS A, TYPE 2 | | | | STORM SEWERS, CLASS A, TYPE 3 | | STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE | STORM SEWERS JACKED IN PLACE | | | TRENCH BACKFILL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 12" | 15" | 18" | 24" | 48 | 78" | 24" | 48" | 60" | 78" | |
| | | | | | | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | CU YD |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 1 | | | | | | | | | | | | | | | | |
| | | | | SHEET 1 TOTAL: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 2 | | | | | | | | | | | | | | | | |
| P2-01 | S2-01 | ES204 | 570.77 | 570.00 | 1.50% | 51 | | | | | | | | | | 21.0 |
| P2-02 | S2-02 | ES208 | 574.00 | 573.90 | 0.50% | | 20 | | | | | | | | | 16.6 |
| P2-03 | S2-03 | ES207 | 573.16 | 573.00 | 0.50% | 32 | | | | | | | | | | 0.0 |
| P2-04 | S2-04 | ES203 | 570.94 | 570.86 | 0.50% | 15 | | | | | | | | | | 5.5 |
| P2-05 | S2-05 | S2-02 | 575.33 | 574.25 | 1.00% | 108 | | | | | | | | | | 152.3 |
| P2-06 | S2-06 | S2-02 | 574.62 | 574.25 | 0.50% | 74 | | | | | | | | | | 9.0 |
| | | | | SHEET 2 TOTAL: | | 280 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 3 | | | | | | | | | | | | | | | | |
| P3-01 | S3-01 | ES310 | 572.23 | 572.00 | 0.50% | 46 | | | | | | | | | | 17.2 |
| P3-02 | S3-02 | ES301 | 571.73 | 571.46 | 0.50% | 54 | | | | | | | | | | 12.8 |
| P3-03 | S3-03 | S3-04 | 572.74 | 572.62 | 0.50% | 24 | | | | | | | | | | 10.6 |
| P3-04 | S3-04 | BULKHEAD | 572.62 | 572.58 | 0.50% | 8 | | | | | | | | | | 4.8 |
| P3-05 | S3-05 | BULKHEAD | 574.34 | 574.30 | 0.50% | 8 | | | | | | | | | | 3.5 |
| P3-06 | S3-06 | ES303 | 572.88 | 572.74 | 0.50% | | 27 | | | | | | | | | 4.8 |
| P3-07 | S3-07 | S3-01 | 572.33 | 572.23 | 0.50% | 19 | | | | | | | | | | 0.0 |
| P3-08 | S3-08 | S3-12 | 573.14 | 572.91 | 0.50% | 46 | | | | | | | | | | 0.0 |
| P3-09 | S3-09 | S3-07 | 572.42 | 572.33 | 0.50% | 19 | | | | | | | | | | 0.0 |
| P3-10 | S3-10 | S3-11 | 571.33 | 568.45 | 3.00% | 96 | | | | | | | | | | 0.0 |
| P3-11 | S3-11 | S4-20 | 568.45 | 568.15 | 0.50% | | | | 60 | | | | | | | 0.0 |
| P3-12 | S3-12 | S3-01 | 572.91 | 572.23 | 0.50% | 135 | | | | | | | | | | 0.0 |
| P3-13 | S3-13 | S3-14 | 569.51 | 569.32 | 0.50% | 37 | | | | | | | | | | 0.0 |
| P3-14 | S3-14 | S4-24 | 568.32 | 567.97 | 0.50% | | | | 71 | | | | | | | 0.0 |
| P3-15 | ES302 | S3-06 | 573.25 | 572.88 | 0.50% | 75 | | | | | | | | | | 0.0 |
| | | | | SHEET 3 TOTAL: | | 567 | 27 | 0 | 131 | 0 | 0 | 0 | 0 | 0 | 0 | 54 |

NOTES:

1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

## PROPOSED PIPE SCHEDULE (CONTINUED)

| PIPE | UPSTREAM STRUCTURE | DOWNSTREAM STRUCTURE | UPSTREAM INVERT ELEVATION | DOWNSTREAM INVERT ELEVATION | PIPE SLOPE (%) | STORM SEWERS, CLASS A, TYPE 2 | | | | STORM SEWERS, CLASS A, TYPE 3 | | STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE | STORM SEWERS JACKED IN PLACE | | | TRENCH BACKFILL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 12" | 15" | 18" | 24" | 48 | 78" | 24" | 48" | 60" | 78" | |
| | | | | | | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | FOOT | CU YD |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 4 | | | | | | | | | | | | | | | | |
| P4-01 | S4-01 | S3-11 | 571.12 | 568.45 | 3.00% | 89 | | | | | | | | | | 24.3 |
| P4-02 | S4-02 | S4-03 | 569.59 | 569.02 | 1.00% | 58 | | | | | | | | | | 31.5 |
| P4-03 | S4-03 | S4-04 | 568.23 | 567.62 | 1.00% | | | 61 | | | | | | | | 66.1 |
| P4-04 | S4-04 | S4-16 | 567.12 | 566.89 | 0.50% | | | | 46 | | | | | | | 72.1 |
| P4-05 | S4-05 | EXISTING CHAMBER | 566.60 | 566.00 | 0.74% | | | | 81 | | | | | | | 118.1 |
| P4-06 | S4-06 | S4-08 | 570.48 | 570.41 | 0.50% | 13 | | | | | | | | | | 6.3 |
| P4-07 | S4-07 | S4-03 | 569.11 | 568.53 | 1.00% | 58 | | | | | | | | | | 29.4 |
| P4-08 | S4-08 | S4-05 | 570.16 | 570.10 | 0.50% | | 12 | | | | | | | | | 8.0 |
| P4-09 | S4-09 | S4-05 | 571.58 | 571.48 | 0.50% | 21 | | | | | | | | | | 9.9 |
| P4-10 | S4-10 | S4-06 | 570.97 | 570.78 | 0.50% | 39 | | | | | | | | | | 15.7 |
| P4-11 | S4-11 | JUNCTION CHAMBER #1 | 556.13 | 556.00 | 0.20% | | | | | 68 | | | | | | 291.2 |
| P4-12 | S4-12 | S4-11 | 568.85 | 568.35 | 1.00% | 50 | | | | | | | | | | 28.7 |
| P4-13 | S7-02 | JUNCTION CHAMBER #1 | 555.31 | 555.25 | 0.05% | | | | | | 158 | | | | | 939.9 |
| P4-14 | S4-14 | S4-23 | 567.29 | 567.10 | 0.50% | | | | | | | 39 | | | | 0.0 |
| P4-15 | S4-15 | ES501 | 570.23 | 569.35 | 1.00% | 88 | | | | | | | | | | 72.9 |
| P4-16 | S4-16 | S4-05 | 566.89 | 566.60 | 0.50% | | | | 58 | | | | | | | 77.6 |
| P4-17 | S4-17 | S4-23 | 567.93 | 567.79 | 0.50% | 28 | | | | | | | | | | 0.0 |
| P4-18 | S4-18 | S4-14 | 567.65 | 567.29 | 0.50% | | | | | | | 72 | | | | 0.0 |
| P4-19 | S4-19 | S4-18 | 567.71 | 567.65 | 0.50% | | | | 11 | | | | | | | 0.0 |
| P4-20 | S4-20 | S4-18 | 568.15 | 567.65 | 0.50% | | | | 100 | | | | | | | 0.0 |
| P4-21 | S4-21 | S4-20 | 568.63 | 568.15 | 0.50% | 95 | | | | | | | | | | 0.0 |
| P4-22 | S4-22 | S4-18 | 568.08 | 567.65 | 0.50% | 86 | | | | | | | | | | 0.0 |
| P4-23 | S4-23 | S7-02 | 567.10 | 566.42 | 0.50% | | | | | | | 136 | | | | 0.0 |
| P4-24 | S4-24 | S4-19 | 567.97 | 567.65 | 0.50% | | | | 63 | | | | | | | 0.0 |
| | | | | SHEET 4 TOTAL: | | 625 | 12 | 61 | 359 | 68 | 158 | 247 | 0 | 0 | 0 | 1,792 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 5 | | | | | | | | | | | | | | | | |
| P5-01 | S5-01 | S4-11 | 556.38 | 556.13 | 0.20% | | | | | | | | 126 | | | 0.0 |
| P5-02 | S5-02 | S5-01 | 568.21 | 567.94 | 1.00% | 29 | | | | | | | | | | 16.8 |
| P5-03 | S5-03 | S5-01 | 556.70 | 556.38 | 0.20% | | | | | 161 | | | | | | 596.5 |
| P5-04 | S5-04 | S5-03 | 567.57 | 567.36 | 1.00% | 21 | | | | | | | | | | 11.8 |
| P5-05 | S5-05 | S5-03 | 556.95 | 556.70 | 0.20% | | | | | 132 | | | | | | 455.3 |
| P5-06 | S5-06 | S5-05 | 566.48 | 566.27 | 1.00% | | 21 | | | | | | | | | 14.4 |
| P5-07 | S5-07 | S5-06 | 567.00 | 566.78 | 1.00% | 22 | | | | | | | | | | 11.4 |
| P5-08 | S5-08 | S5-06 | 567.19 | 567.01 | 1.00% | 18 | | | | | | | | | | 8.7 |
| P5-09 | S5-09 | S5-07 | 567.27 | 567.00 | 1.00% | 28 | | | | | | | | | | 13.6 |
| | | | | SHEET 5 TOTAL: | | 118 | 21 | 0 | 0 | 293 | 0 | 0 | 126 | 0 | 0 | 1,129 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 6 | | | | | | | | | | | | | | | | |
| | | | | SHEET 6 TOTAL: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 7 | | | | | | | | | | | | | | | | |
| P7-01 | S7-01 | S7-02 | 555.42 | 555.31 | 0.07% | | | | | | | | | | 165 | 0.0 |
| P7-02 | EX STRUCTURE | S7-01 | 555.46 | 555.42 | 0.06% | | | | | | 70 | | | | | 538.1 |
| P7-03 | S7-03 | ES403 | 570.52 | 569.76 | 1.06% | 72 | | | | | | | | | | 7.9 |
| | | | | SHEET 7 TOTAL: | | 72 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 165 | 546 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 8 | | | | | | | | | | | | | | | | |
| P8-01 | S8-01 | S7-01 | 556.25 | 555.92 | 0.10% | | | | | | | | | 335 | | 0.0 |
| | | | | SHEET 8 TOTAL: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 335 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 9 | | | | | | | | | | | | | | | | |
| | | | | SHEET 9 TOTAL: | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PROPOSED DRAINAGE AND UTILITY PLANS - SHEET 10 | | | | | | | | | | | | | | | | |
| P10-01 | S10-01 | ES1002 | 588.38 | 588.22 | 0.27% | 60 | | | | | | | | | | 16.0 |
| P10-02 | S10-02 | ES1002 | 588.44 | 588.22 | 0.50% | 43 | | | | | | | | | | 18.2 |
| | | | | SHEET 10 TOTAL: | | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| TOTALS | | | | | | 1,765 | 80 | 61 | 490 | 361 | 228 | 247 | 126 | 335 | 165 | 3,761 |

NOTES:

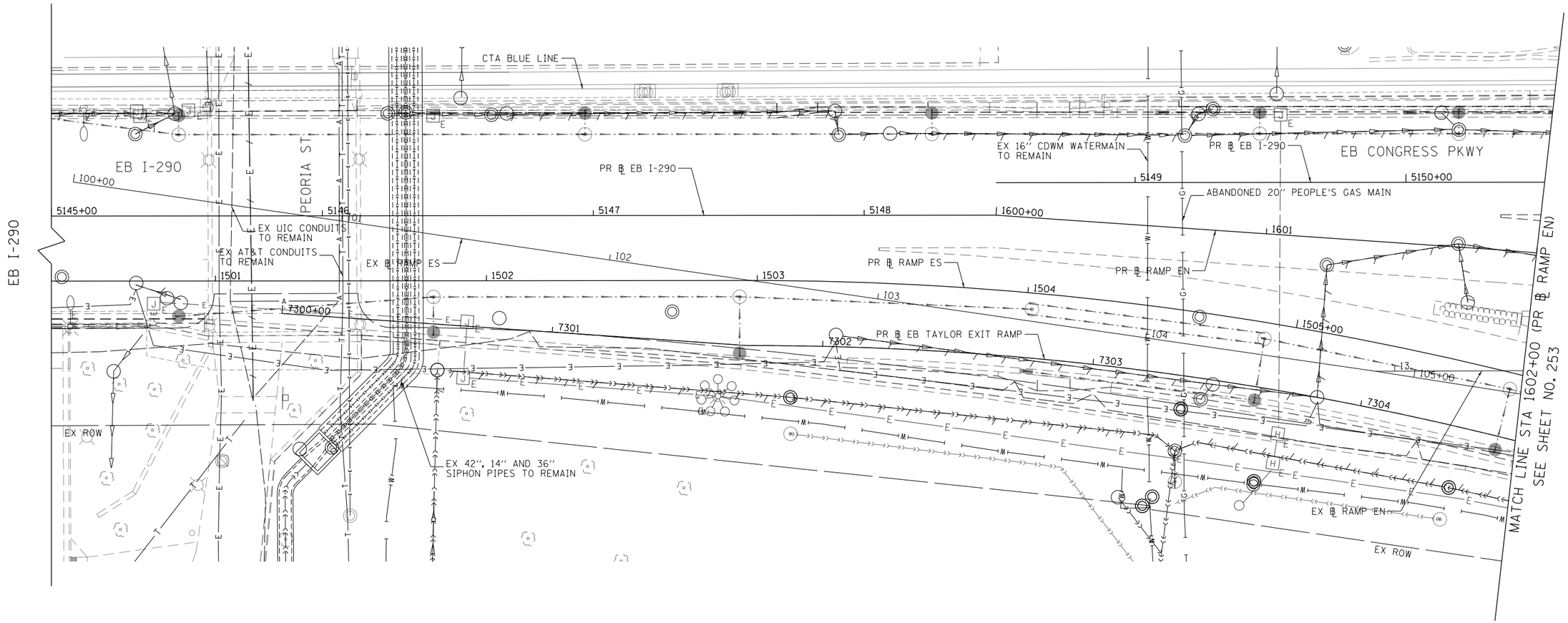
1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.

# PROPOSED PIPE UNDERDRAIN SCHEDULE

| PIPE UNDERDRAIN | BASELINE | UPSTREAM | | DOWNSTREAM | | | PIPE UNDERDRAINS, TYPE 2 |
|---|---|---|---|---|---|---|---|
| | | STATION | OFFSET | STRUCTURE NO. | STATION | OFFSET | 6" |
| | | | | | | | FOOT |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 1 | | | | | | | |
| | | | | | | SHEET 1 SUBTOTAL: | 0 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 2 | | | | | | | |
| PU2-01 | PR ℄ RAMP EN | 1605+65 | 12.00' LT | EX UNDERDRAIN | 1602+81 | 12.00' LT | 386 |
| PU2-02 | PR ℄ RAMP EN | 1604+25 | 12.00' RT | EX UNDERDRAIN | 1602+82 | 12.00' RT | 140 |
| PU2-03 | PR ℄ RAMP EN | 1605+65 | 12.00' RT | S2-01 | 1604+35 | 12.00' RT | 141 |
| PU2-04 | PR ℄ RAMP EN | 1605+70 | 12.00' RT | S2-02 | 1605+70 | 22.00' LT | 34 |
| PU2-05 | PR ℄ RAMP EN | 1607+62 | 12.00' LT | S2-02 | 1605+80 | 12.00' LT | 192 |
| PU2-06 | PR ℄ CONGRESS EB | 5151+92 | 12.00' RT | EX UNDERDRAIN | 5150+35 | 12.00' RT | 156 |
| | | | | | | SHEET 2 SUBTOTAL: | 1049 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 3 | | | | | | | |
| PU4-01 | PR ℄ RAMP EN | 1611+60 | 12.00' LT | S4-01 | 1612+93 | 12.00' LT | 143 |
| | | | | | | SHEET 3 SUBTOTAL: | 143 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 4 | | | | | | | |
| PU4-02 | PR ℄ RAMP EN | 1613+03 | 12.00' RT | S4-01 | 1613+03 | 23.00' LT | 35 |
| PU4-03 | PR ℄ RAMP EN | 1613+08 | 12.00' LT | S4-02 | 1614+83 | 12.00' LT | 183 |
| PU4-04 | PR ℄ RAMP EN | 1613+50 | 12.00' RT | S4-02 | 1614+93 | 12.00' RT | 185 |
| PU4-05 | PR ℄ RAMP EN | 1614+98 | 12.00' LT | S4-07 | 1616+10 | 12.00' LT | 121 |
| PU4-06 | PR ℄ RAMP EN | 1641+98 | 12.00' RT | S4-07 | 1616+15 | 18.96' RT | 164 |
| PU4-07 | PR ℄ RAMP EN | 1617+70 | 12.00' LT | S4-07 | 1616+20 | 12.00' LT | 162 |
| PU4-08 | PR ℄ RAMP EN | 1617+45 | 28.04' RT | S4-06 | 1616+58 | 21.50' RT | 93 |
| | | | | | | SHEET 4 SUBTOTAL: | 943 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 5 | | | | | | | |
| | | | | | | SHEET 5 SUBTOTAL: | 0 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 6 | | | | | | | |
| | | | | | | SHEET 6 SUBTOTAL: | 0 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 7 | | | | | | | |
| | | | | | | SHEET 7 SUBTOTAL: | 0 |
| PROPOSED SUBSURFACE DRAINAGE PLANS - SHEET 8 | | | | | | | |
| | | | | | | SHEET 8 SUBTOTAL: | 0 |
| | | | | | | TOTAL | 2135 |

NOTES:

1. STRUCTURE AND PIPE NUMBERS NOT INCLUDED IN SCHEDULES ARE NOT USED.



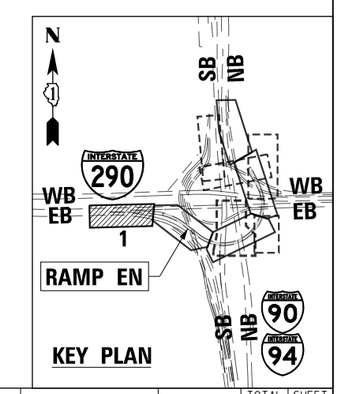

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

N

0 20 40

SCALE: 1"=20'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Ex-Drain-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 1 OF 10 SHEETS | STA. 1600+00 TO STA. 1602+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 252 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
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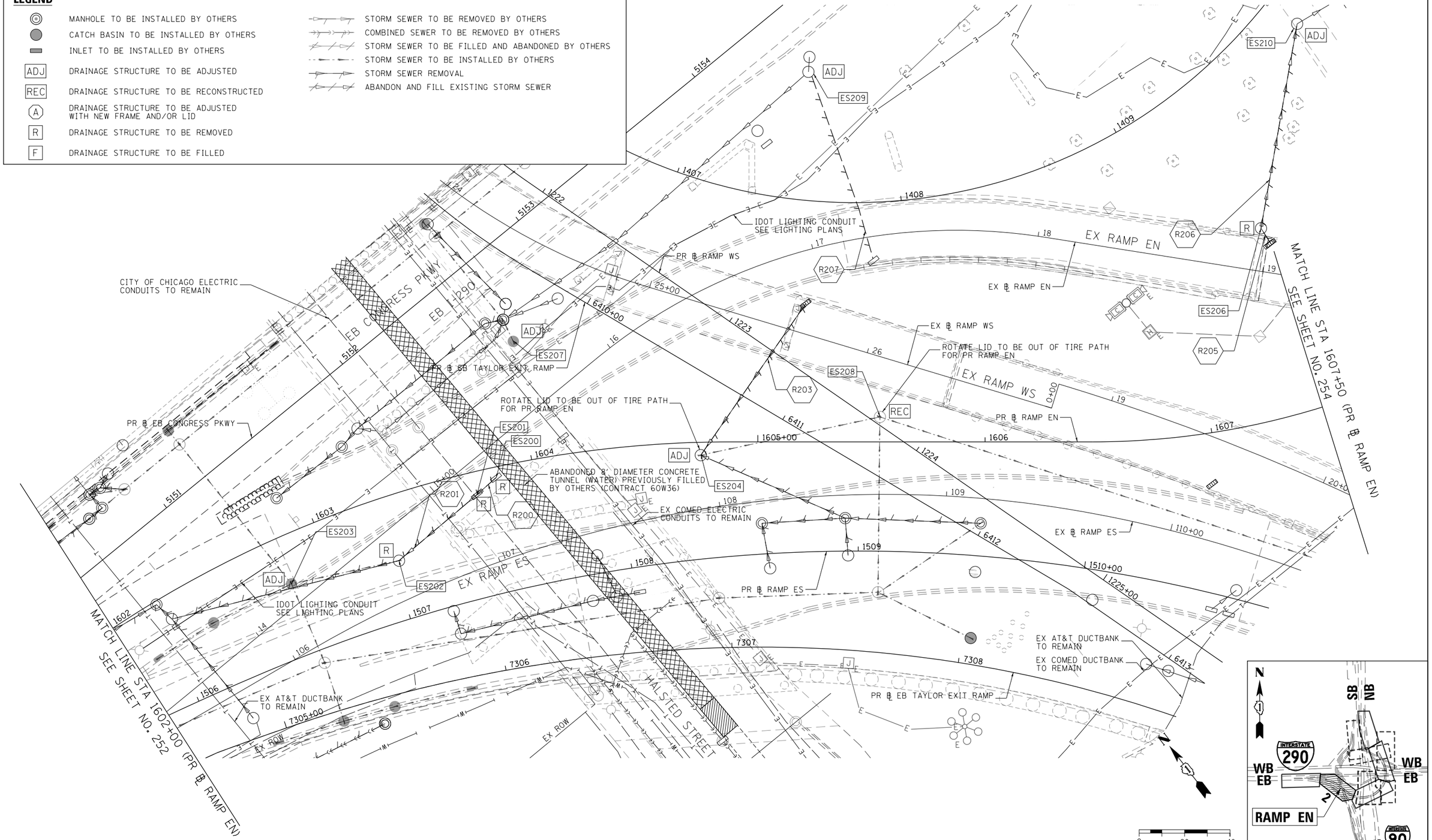
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

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TranSystems

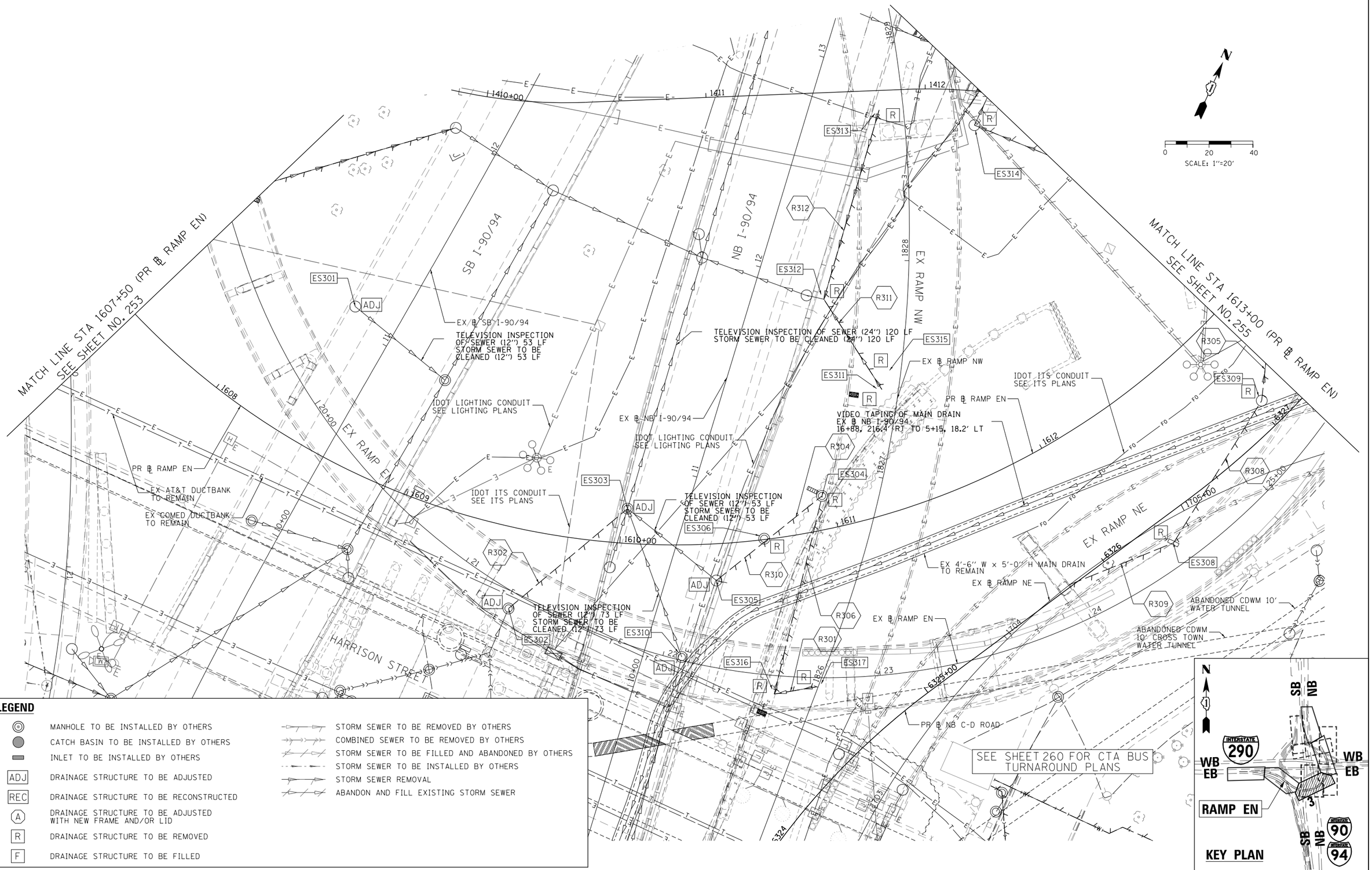
| | | | |
|---|---|---|---|
| D160X79-SHT-Ex-Drain-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 1602+00 TO STA. 1607+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 253 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Ex-Drain-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 3 OF 10 SHEETS | STA. 1607+50 TO STA. 1613+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 254 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

FOR MAIN DRAIN INFORMATION UNDER I-90/94 SEE SHEET NO.258

MATCH LINE STA 1613+00 (PR ℄ RAMP EN) SEE SHEET NO.254

MATCH LINE STA 1618+50 (PR ℄ RAMP EN) SEE SHEET NO.256

EX EB CONGRESS PKWY

EX WB CONGRESS PKWY

EX RAMP WS

EX RAMP EN

EX RAMP WN

DESPLAINES STREET

PR ℄ EB CONGRESS PKWY

PR ℄ RAMP SE

PR ℄ WB I-290

PR ℄ RAMP WN

EX ℄ RAMP WS

PR ℄ RAMP WS

EX ℄ RAMP EN

PR ℄ RAMP EN

PR ℄ NB C-D ROAD

EX ℄ RAMP WN

IDOT LIGHTING CONDUIT SEE LIGHTING PLANS

IDOT ITS CONDUIT SEE ITS PLANS

EX CTA TUNNEL TO REMAIN

CONCRETE REMOVAL, SPECIAL 9.5 CU YD

VIDEO TAPING OF MAIN DRAIN EX ℄ NB I-90/94 16+88, 216.4' RT TO 5+15, 18.2' LT

CDWM 13' SUPPLY WATER TUNNEL

SEE SHEET NO.261 FOR PUMP STATION NO. 5 PARKING LOT EXISTING DRAINAGE.

EX CCTV TOWER TO REMAIN

SCALE: 1"=20'

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

KEY PLAN

RAMP EN

WB EB SB NB

INTERSTATE 290 INTERSTATE 90 INTERSTATE 94

TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Ex-Drain-04.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING DRAINAGE AND UTILITIES PLAN

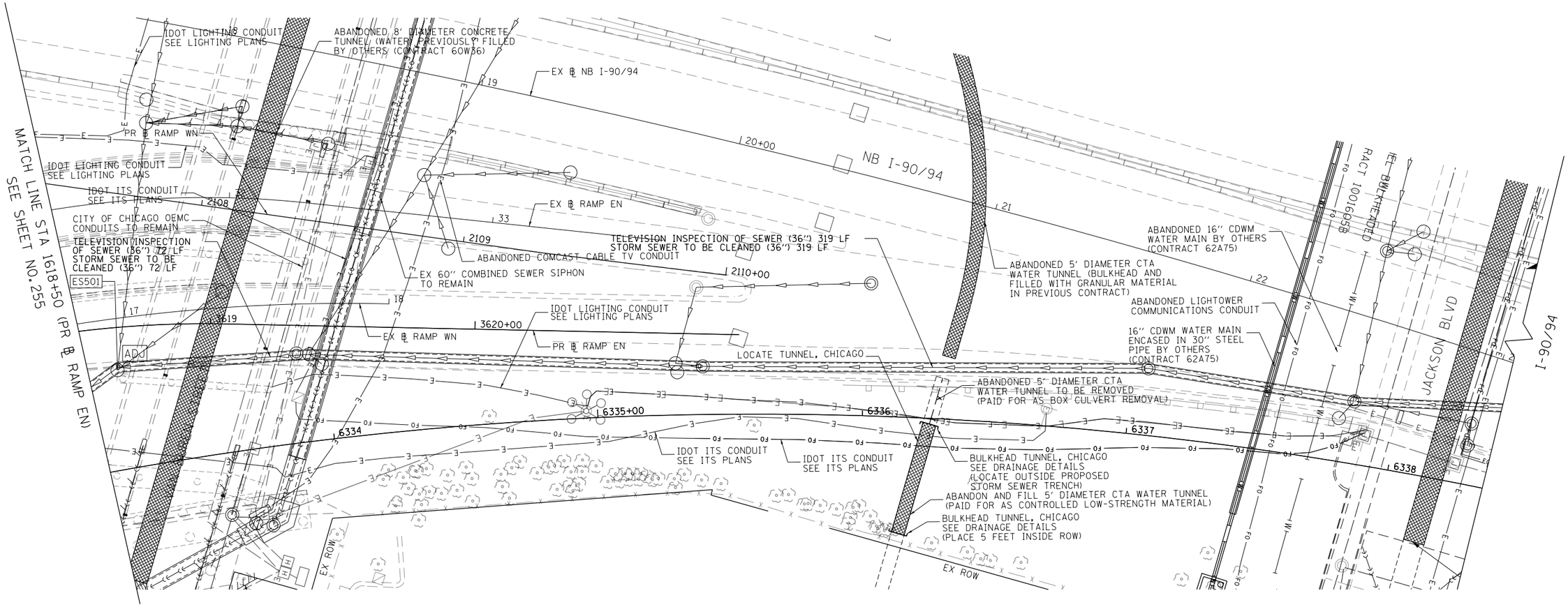
SCALE: 1"=20' | SHEET 4 OF 10 SHEETS | STA. 1613+00 TO STA. 1618+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 255 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

FILE PATH = pw:\\617479-PWINT.aecomonline.local:ECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-SHT-Ex-Drain-04.dgn

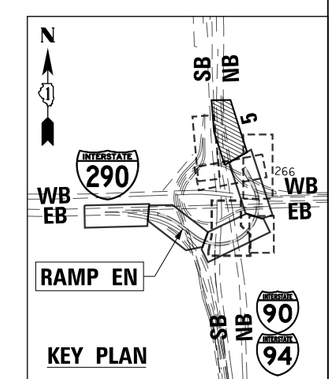



## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

N

0 20 40
SCALE: 1"=20'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Ex-Drain-05.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 5 OF 10 SHEETS | STA. 1618+50 TO STA. 1624+00

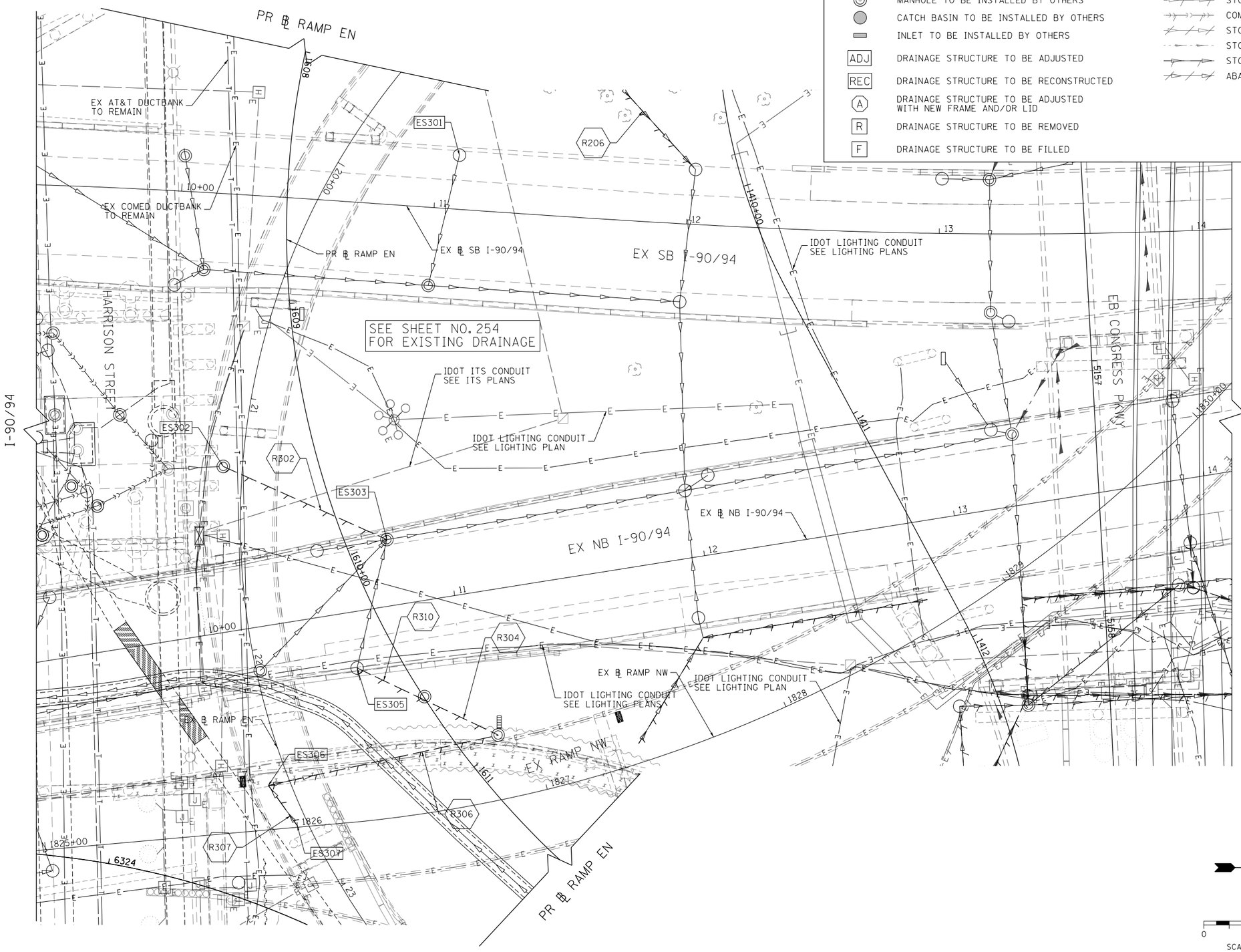
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 256 |

CONTRACT NO. 60X79

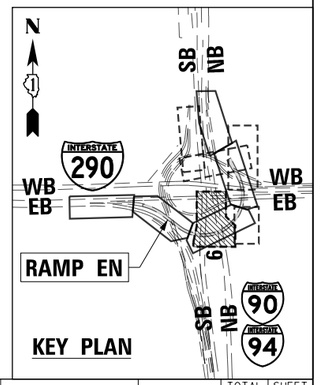
ILLINOIS FED. AID PROJECT

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER




0 20 40
SCALE: 1"=20'

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TranSystems

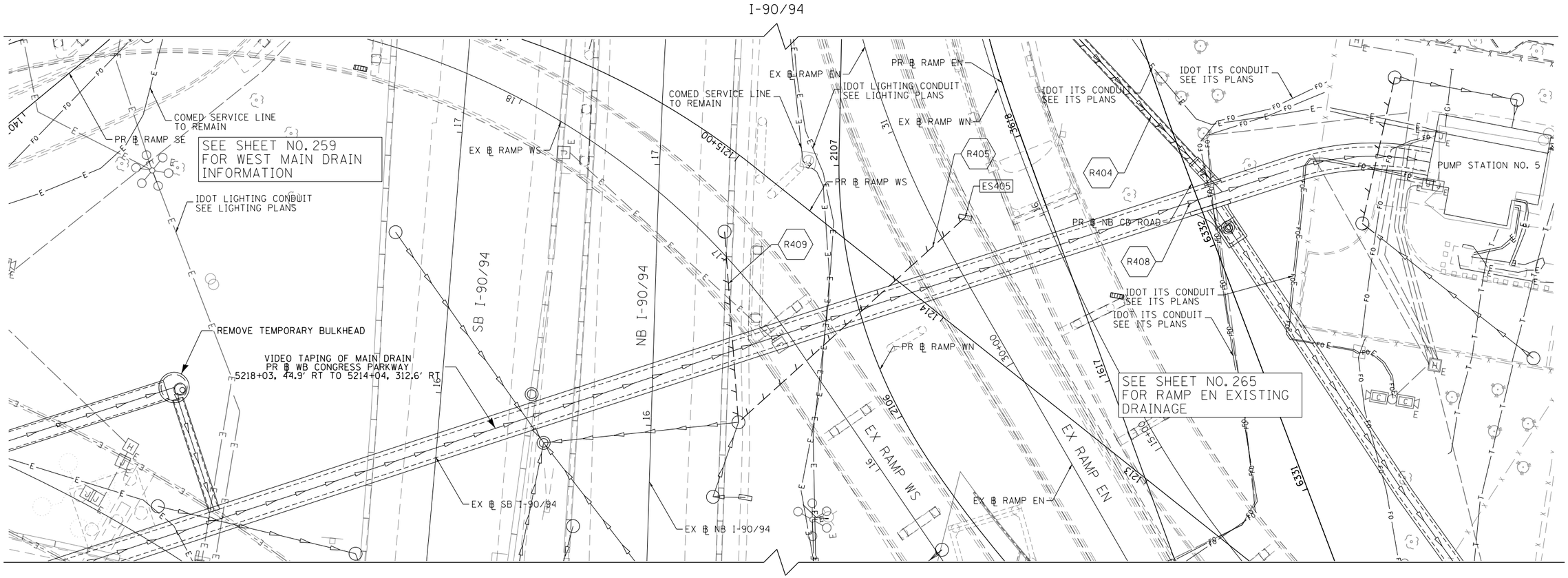
| | | | |
|---|---|---|---|
| D160X79-SHT-EX-DRAIN-06.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 6 OF 10 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 257 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |



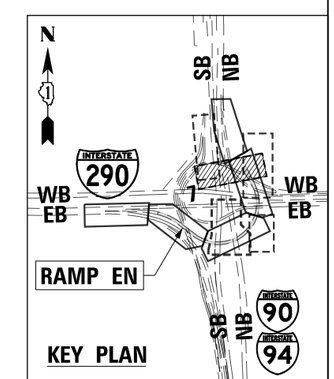

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

N

0 20 40

SCALE: 1"=20'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-EX-Drain-07.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

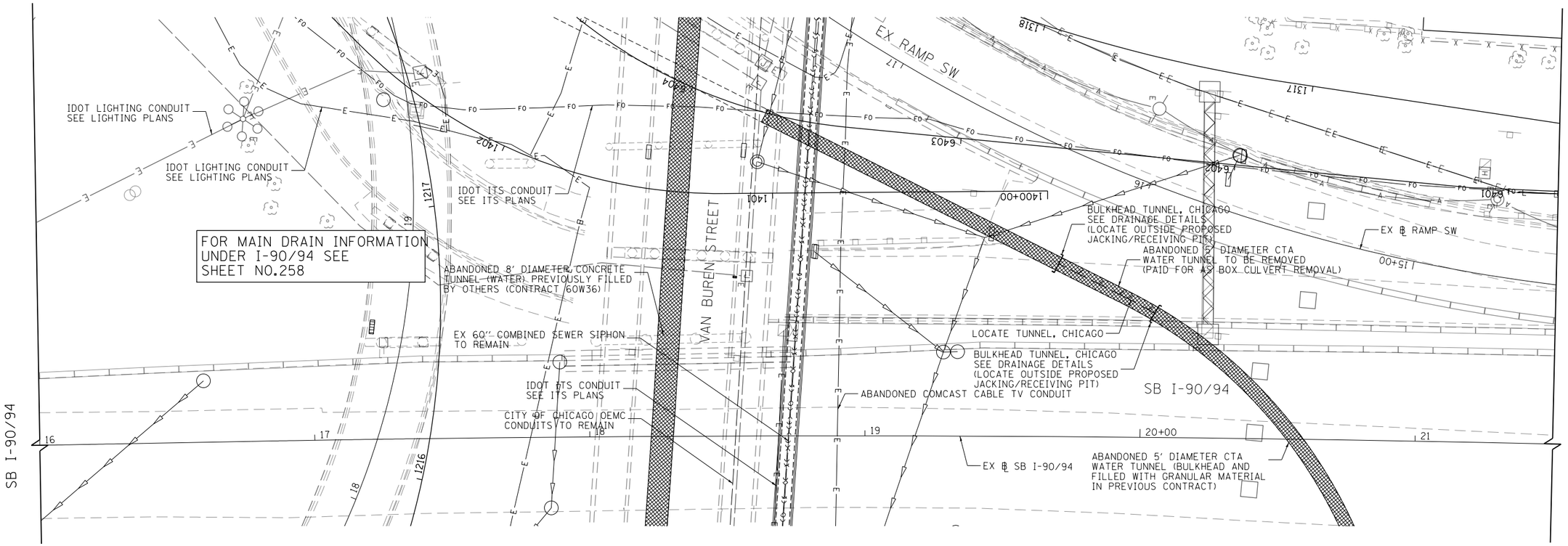
**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 100+00 TO STA. 104+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 258 |

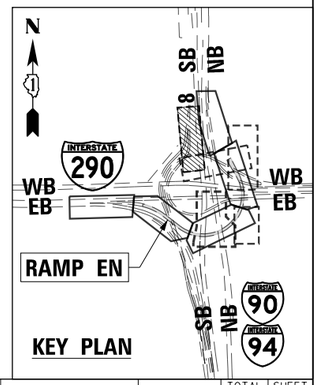
CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER




| | | | |
|---|---|---|---|
| D160X79-SHT-EX-Drain-08.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 8 OF 10 SHEETS | STA. 16+00 TO STA. 21+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 259 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

## NOTES:

1. SEE SHEET NO. 254 FOR RAMP EN PLAN DETAILS.

SCALE: 1"=10'

PR ℄ NB C-D ROAD

PR ℄ RAMP EN

SEE NOTE 1

SEE SHEET NO. 254 FOR RAMP EN EXISTING DRAINAGE

EX ℄ RAMP NE

EX ℄ RAMP EN

EX RAMP EN

HARRISON STREET

DES PLAINES STREET

PLUG EXISTING COMBINED SEWER (PAID FOR AS PLUG EXISTING STORM SEWER)

WATER SERVICE LINE REMOVAL, 128 LF

ES900 ES901 ES902 ES903

R900

ADJ

KEY PLAN

RAMP EN

INTERSTATE 290 WB EB

INTERSTATE 90 94 SB NB

| | | | |
|---|---|---|---|
| D160X79-Sht-EX-DRAIN-09.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

TranSystems

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

**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=10' | SHEET 9 OF 10 SHEETS | STA. | TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 260 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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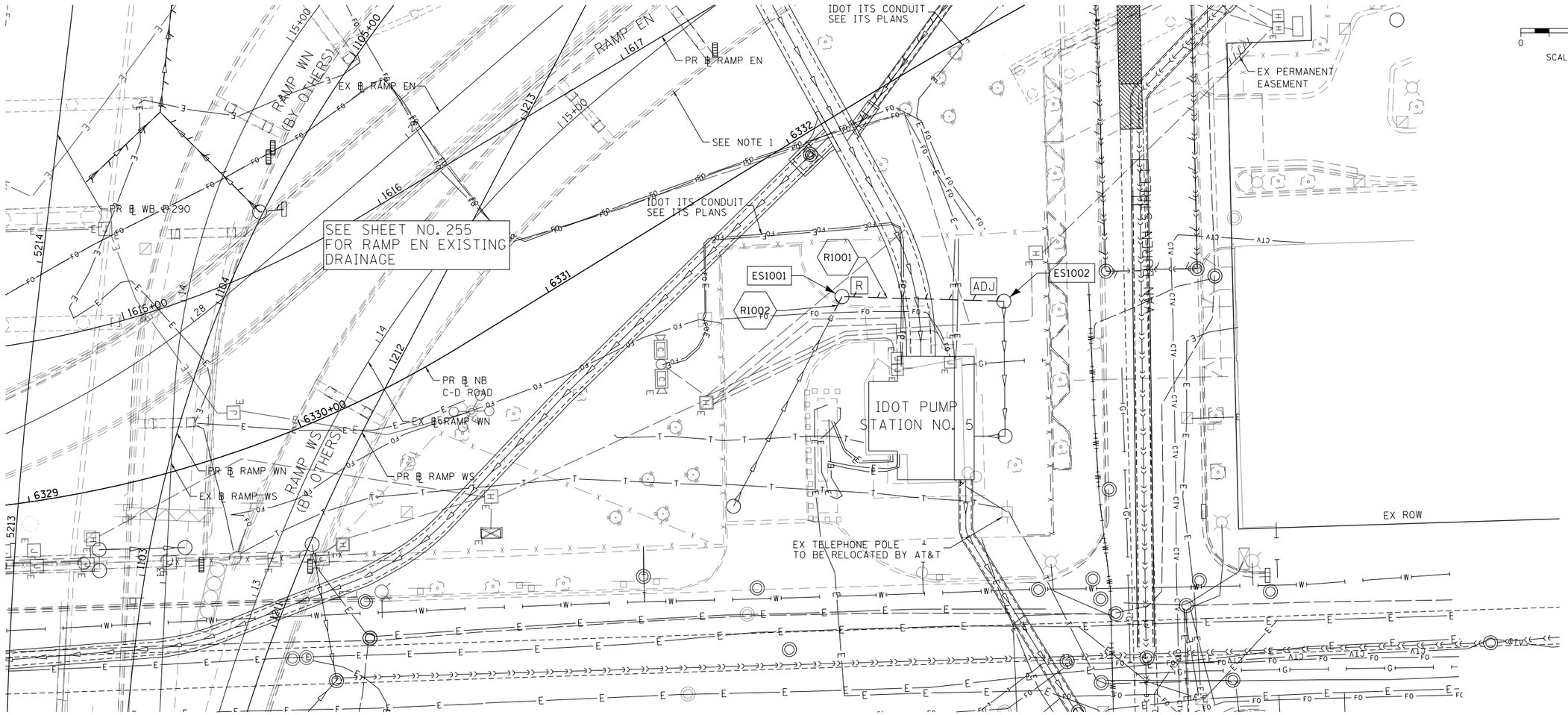
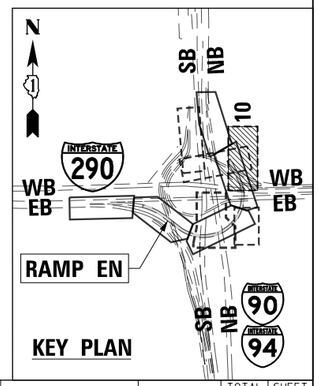



## NOTES:

1. SEE SHEET NO. 255FOR RAMP EN PLAN DETAILS.

## LEGEND

- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ADJ — DRAINAGE STRUCTURE TO BE ADJUSTED
- REC — DRAINAGE STRUCTURE TO BE RECONSTRUCTED
- A — DRAINAGE STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND/OR LID
- R — DRAINAGE STRUCTURE TO BE REMOVED
- F — DRAINAGE STRUCTURE TO BE FILLED
- STORM SEWER TO BE REMOVED BY OTHERS
- COMBINED SEWER TO BE REMOVED BY OTHERS
- STORM SEWER TO BE FILLED AND ABANDONED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER REMOVAL
- ABANDON AND FILL EXISTING STORM SEWER

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-Sht-EX-DRAIN-10.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0017 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

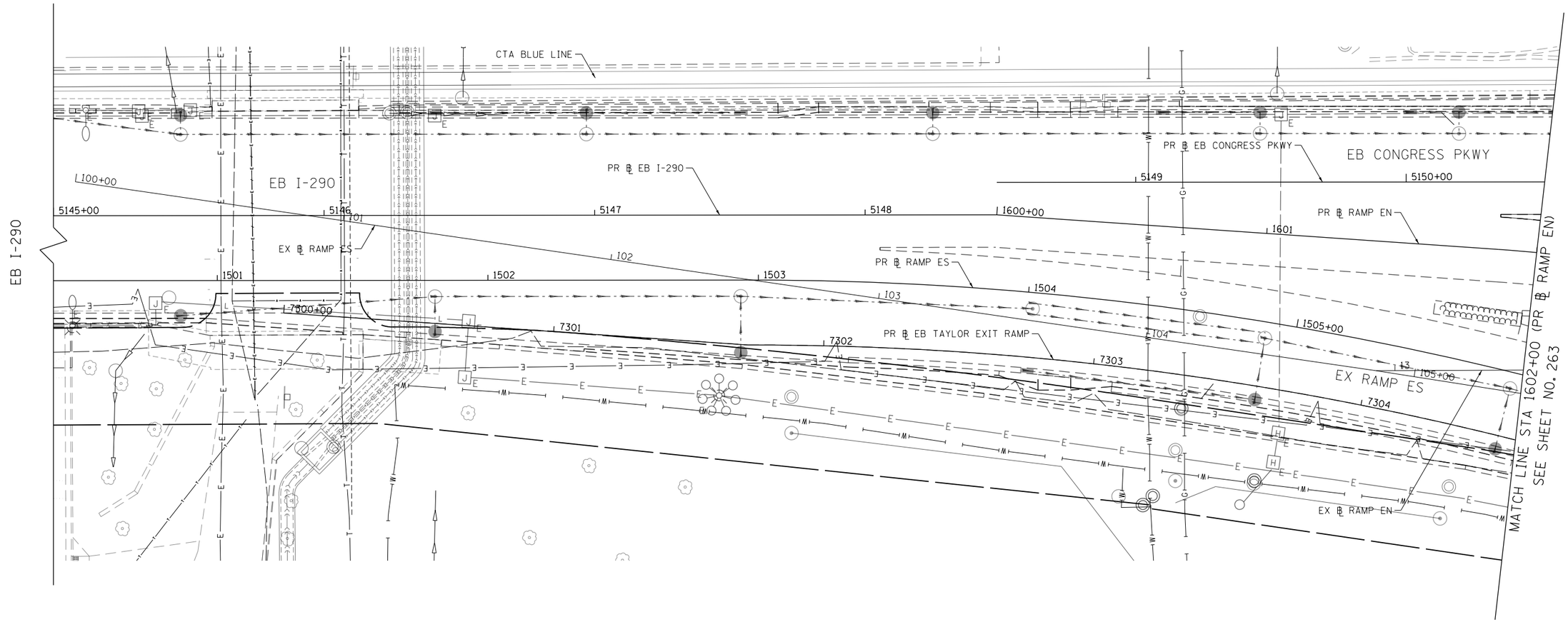
**EXISTING DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 10 OF 10 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 261 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT



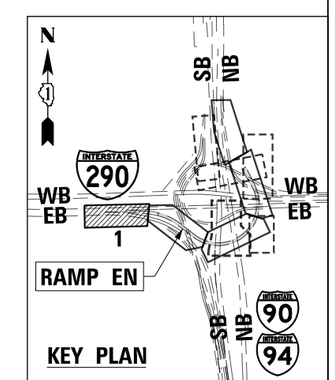

## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

N

0 20 40

SCALE: 1"=20'

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

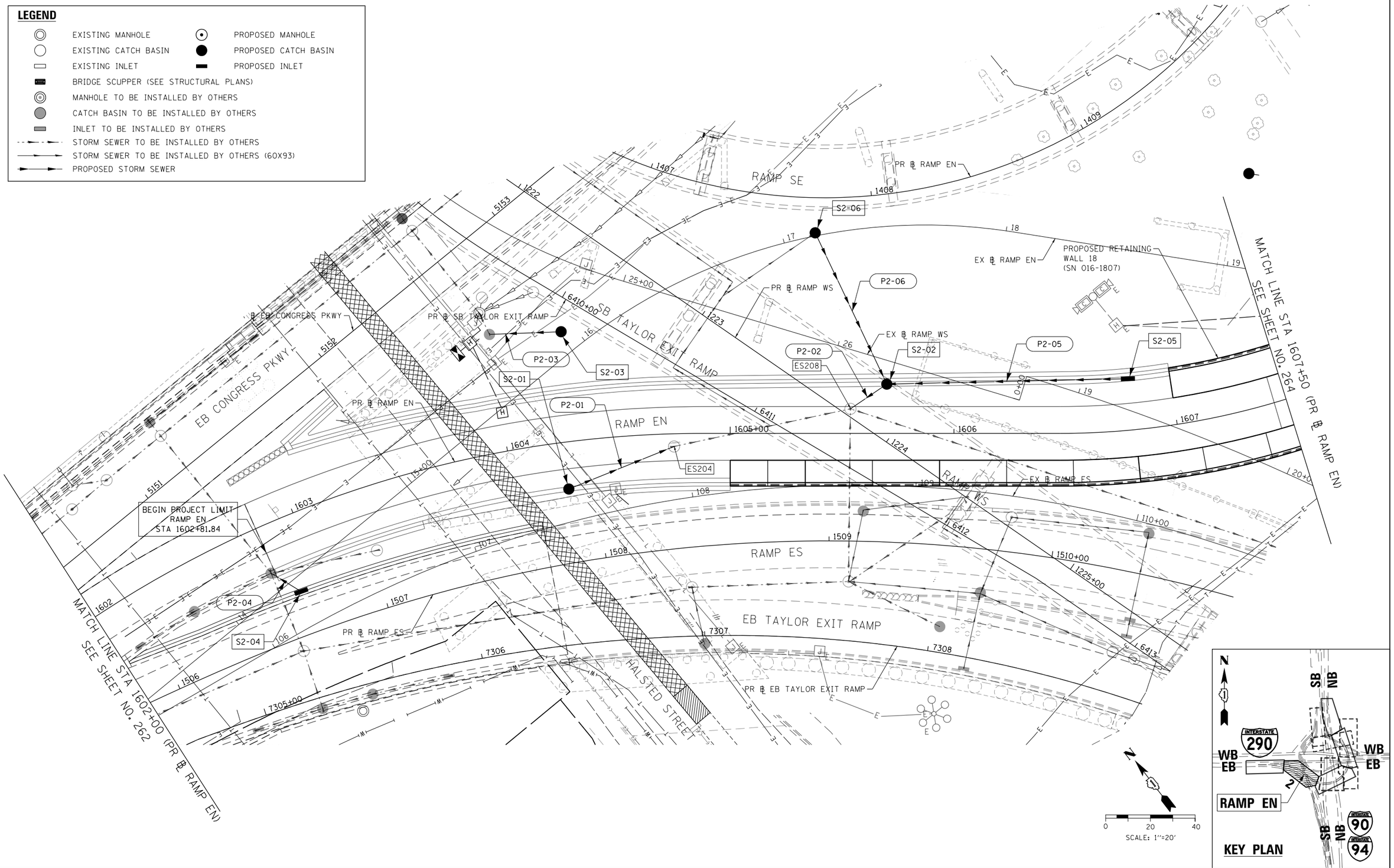
**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 1 OF 10 SHEETS | STA. 1600+00 TO STA. 1602+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 262 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

## LEGEND

- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- BRIDGE SCUPPER (SEE STRUCTURAL PLANS)
- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)
- PROPOSED STORM SEWER
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED INLET

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

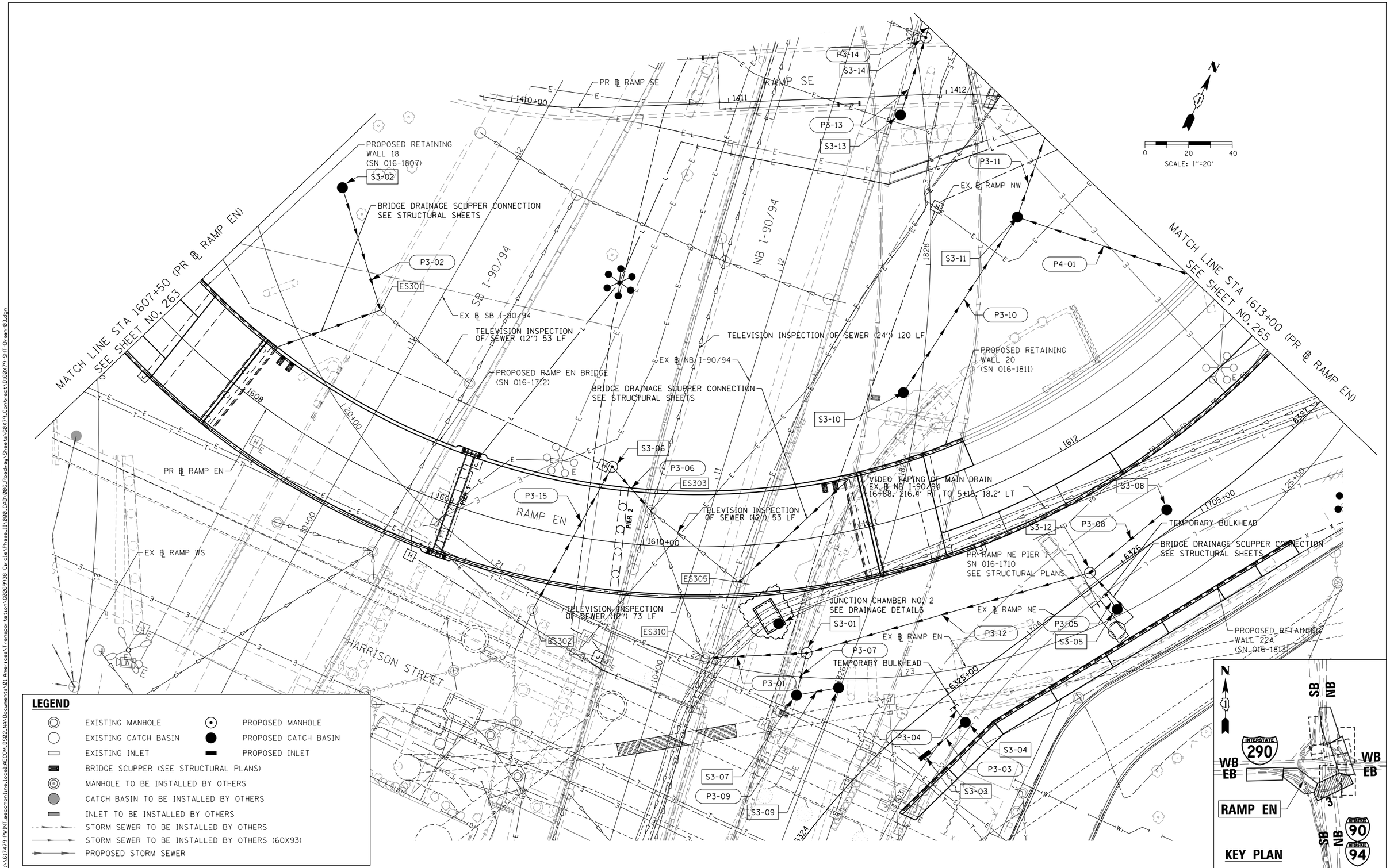
**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 2 OF 10 SHEETS | STA. 1602+00 TO STA. 1607+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 263 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT




## LEGEND

- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- BRIDGE SCUPPER (SEE STRUCTURAL PLANS)
- MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS (60X93)
- PROPOSED STORM SEWER
- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED INLET

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000_CAD\006_Roadway\Sheets\60X79-Drain-03.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 3 OF 10 SHEETS | STA. 1607+50 TO STA. 1613+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 264 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

FOR MAIN DRAIN INFORMATION UNDER I-90/94 SEE SHEET NO.268

MATCH LINE STA 1613+00 (PR ℄ RAMP EN)
SEE SHEET NO.264

MATCH LINE STA 1618+50 (PR ℄ RAMP EN)
SEE SHEET NO.266

EX EB CONGRESS PKWY

EX WB CONGRESS PKWY

PR ℄ EB I-290

PR ℄ WB I-290

PR ℄ RAMP EN

PR ℄ RAMP SE

PR ℄ RAMP WN

PR ℄ RAMP WS

EX ℄ RAMP WN

EX ℄ RAMP WS

EX ℄ NB I-90/94

RAMP EN

RAMP WN

RAMP WS

JACKING/RECEIVING PIT #3

JACKING/RECEIVING PIT #4

BEGIN INTERIM RAMP WN
STA 2105+76.20
STATION EQUATION
2105
RAMP WN
STA 1105+76.20
INTERIM RAMP WN
STA 2105+76.20

END PROJECT LIMIT
RAMP EN
STA 1617+70.00
STATION EQUATION
RAMP EN
STA 0817+70.00
INTERIM RAMP EN
STA 3617+70.00

BRIDGE DRAINAGE SCUPPER CONNECTION FROM CONTRACT 60X93. CONTRACTOR COORDINATION REQUIRED.

BRIDGE DRAINAGE SCUPPER CONNECTION FROM CONTRACT 60X93. CONTRACTOR COORDINATION REQUIRED.

JUNCTION CHAMBER NO. 1
SEE DRAINAGE DETAILS

CONNECT TO EX CHAMBER
SEE DRAINAGE DETAILS

PROPOSED RETAINING WALL 20 (SN 016-1811)

PROPOSED RETAINING WALL 22B (SN 016-1839)

VIDEO TAPING OF MAIN DRAIN
EX ℄ NB I-90/94
16+88, 216.4' RT TO 5+15, 18.2' LT

EX 4 1/2" W X 5' H MAIN DRAIN TO REMAIN

SEE SHEET NO.271 FOR PUMP STATION NO. 5 PARKING LOT DRAINAGE PLAN.

S4-01 S4-02 S4-03 S4-04 S4-05 S4-06 S4-07 S4-08 S4-09 S4-10 S4-11 S4-12 S4-14 S4-15 S4-16 S4-17 S4-18 S4-19 S4-20 S4-21 S4-22 S4-23 S4-24

P4-01 P4-02 P4-03 P4-04 P4-05 P4-06 P4-07 P4-08 P4-09 P4-10 P4-11 P4-12 P4-13 P4-14 P4-15 P4-16 P4-17 P4-18 P4-19 P4-20 P4-21 P4-22 P4-23 P4-24

1703-B-04 1703-PZ-01 1712-B-03 1715-B-02 22-RWB-03 22-RWB-04 22-RWB-05

ES408

## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

SCALE: 1"=20'

N

SB NB WB EB RAMP EN

INTERSTATE 290 INTERSTATE 90 INTERSTATE 94

KEY PLAN

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269338 Circle\Phase II\000_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-Drain-04.dgn

TranSystems

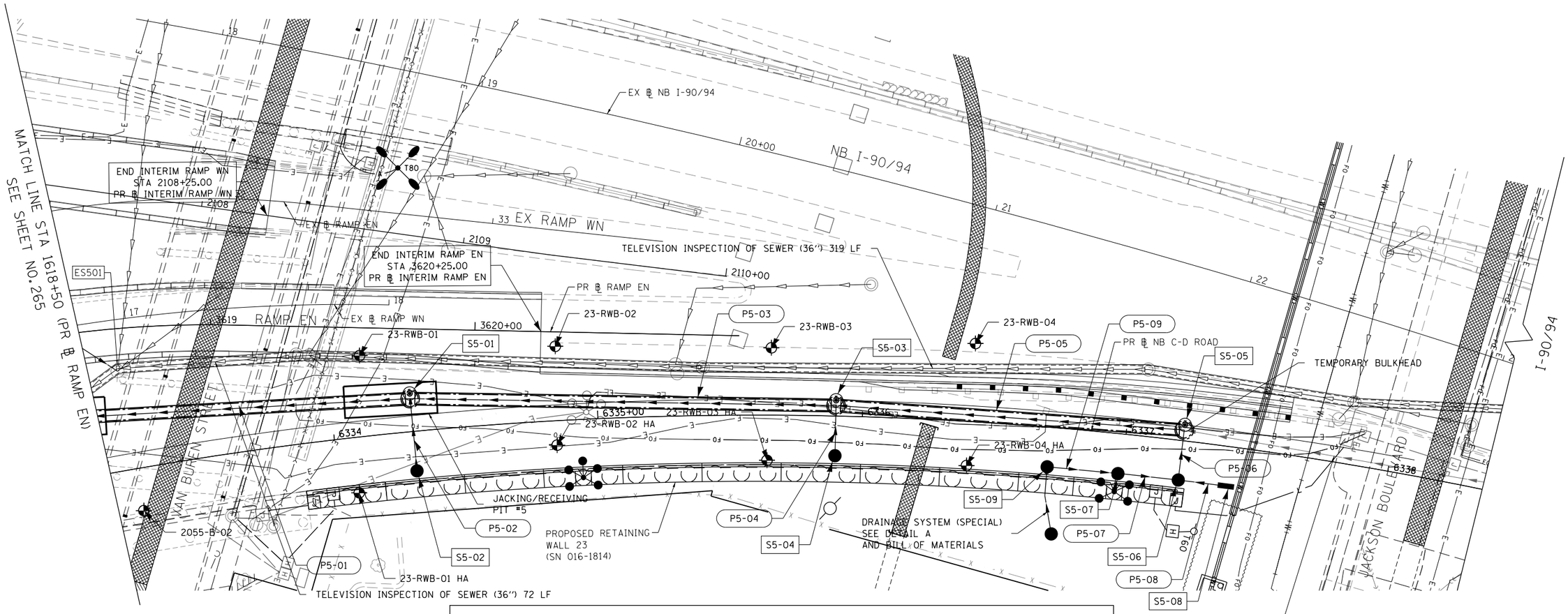
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-04.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0017 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20' | SHEET 4 OF 10 SHEETS | STA. 1613+00 TO STA. 1618+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 265 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

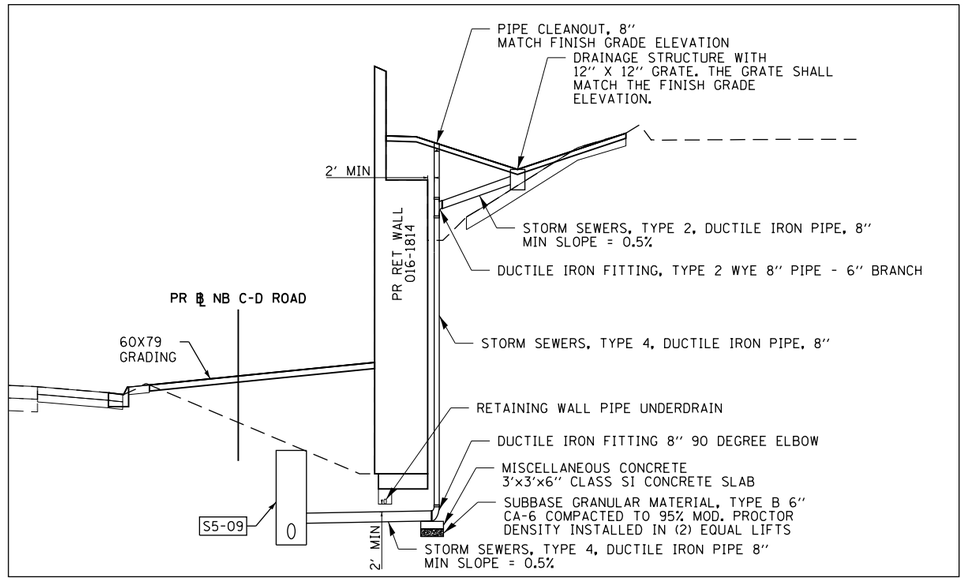



## LEGEND

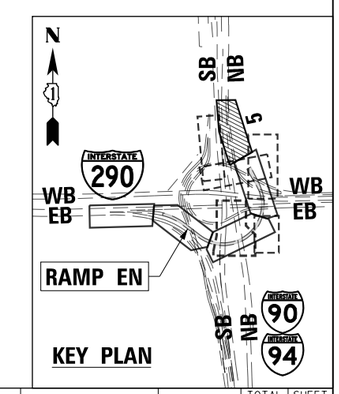
| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

| BILL OF MATERIAL | | |
|---|---|---|
| ITEM | UNIT | QUANTITY |
| DUCTILE IRON FITTING, TYPE 2 WYE 8" PIPE - 6" BRANCH | EACH | 1 |
| DUCTILE IRON FITTING 8" 90 DEGREE ELBOW | EACH | 1 |
| PIPE CLEANOUT, 8" | EACH | 1 |
| STORM SEWERS, TYPE 4, DUCTILE IRON PIPE 8" | FOOT | 50 |
| DRAINAGE STRUCTURE | EACH | 1 |
| SUBBASE GRANULAR MATERIAL, TYPE B 6" | SQ YD | 1 |
| MISCELLANEOUS CONCRETE | CU YD | 4.5 |

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




**DETAIL A**




**KEY PLAN**

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-05.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

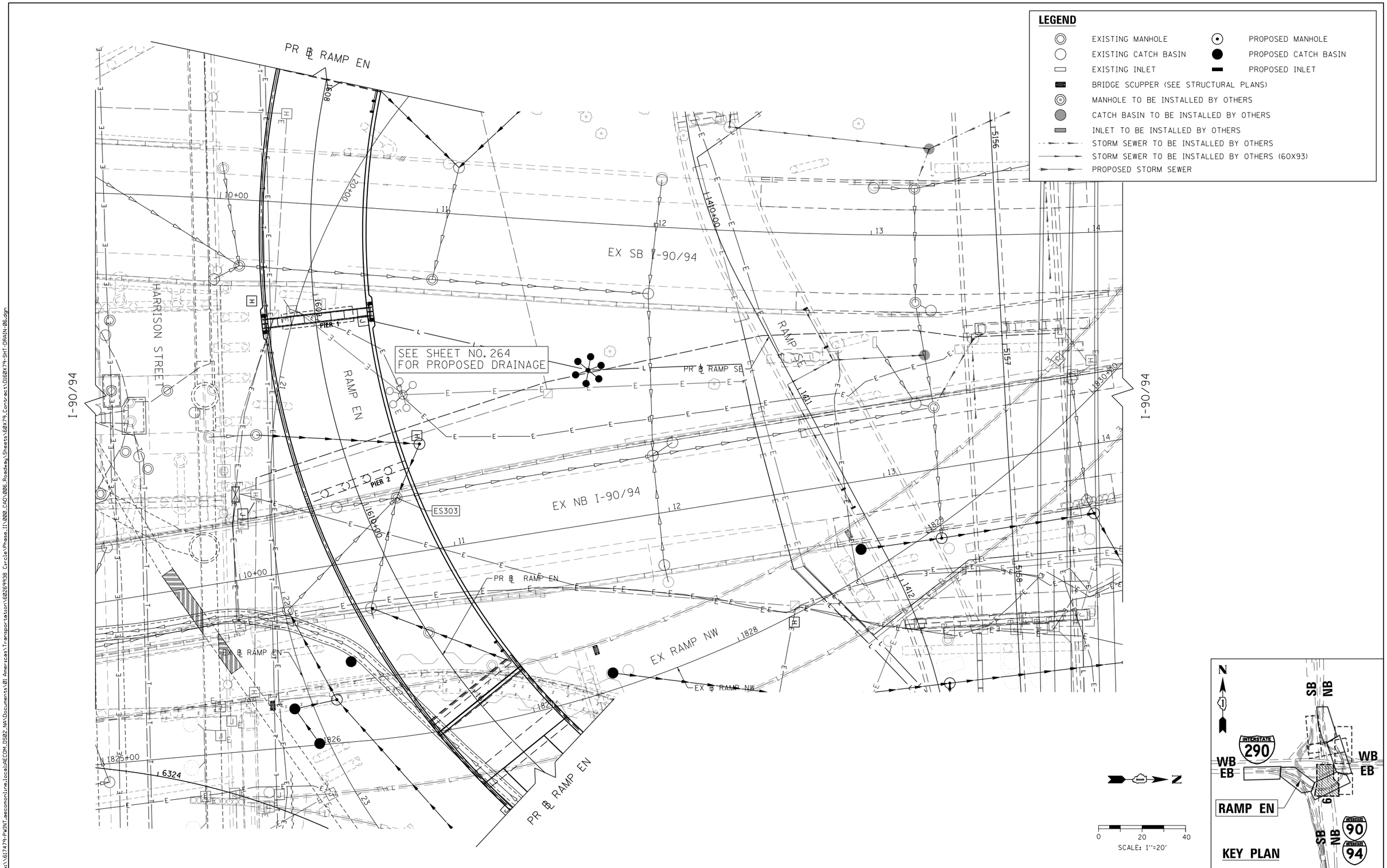
**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 5 OF 10 SHEETS | STA. 1618+50 TO STA. 1624+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 266 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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TranSystems

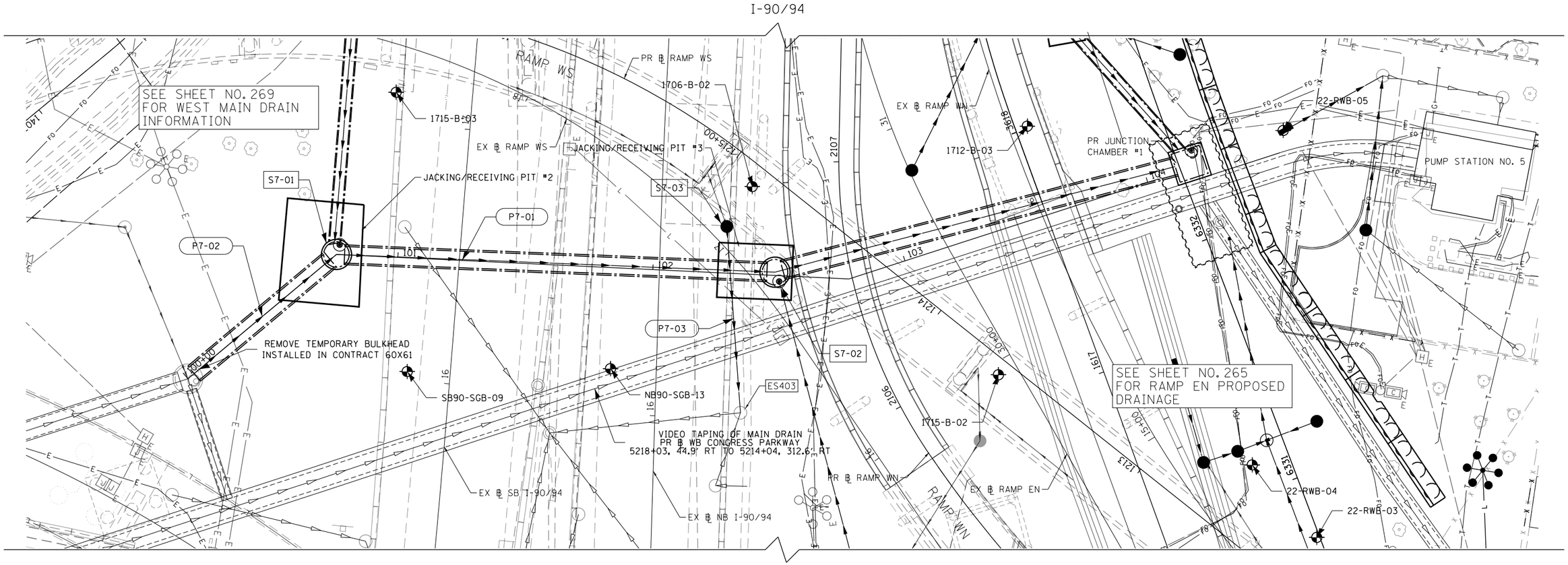
| | | | |
|---|---|---|---|
| DI60X79-SHT-DRAIN-06.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 6 OF 10 SHEETS | STA. | TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 267 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |



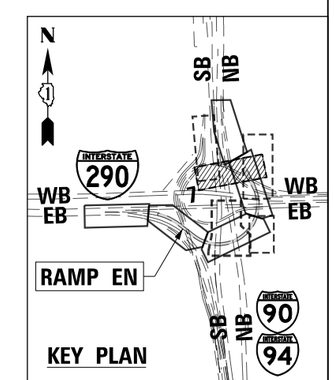

## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

N

0 20 40

SCALE: 1"=20'

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TranSystems

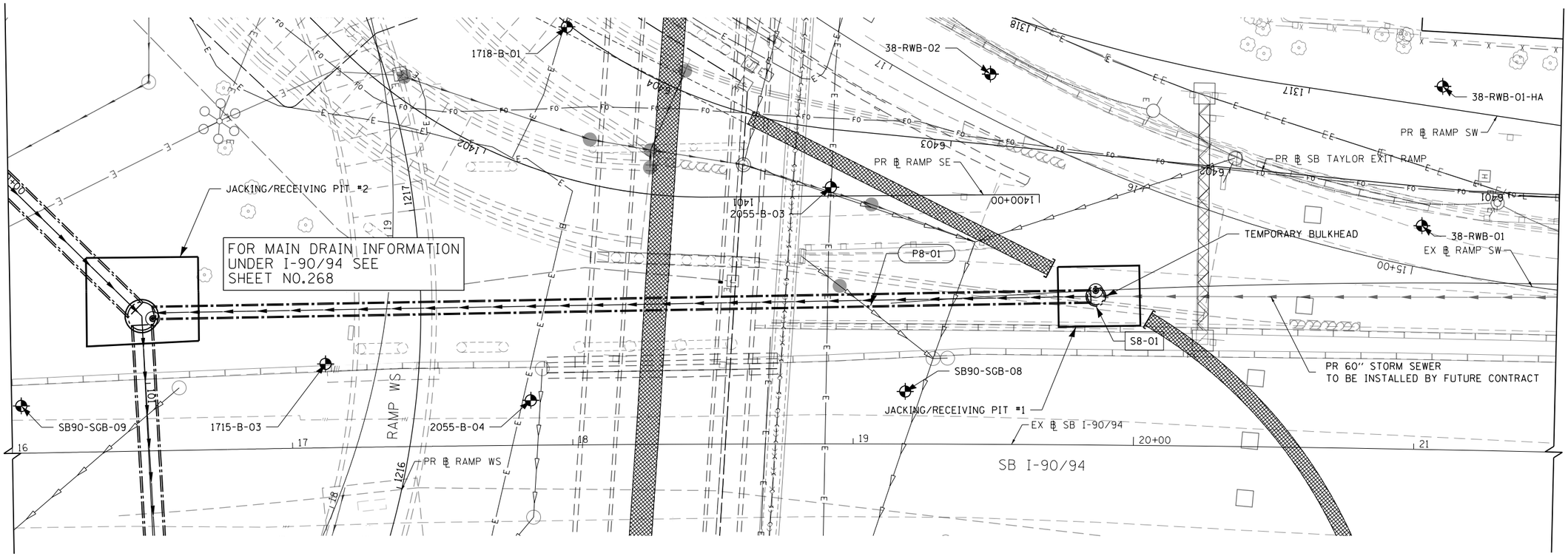
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-07.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 7 OF 10 SHEETS | STA. 100+00 TO STA. 104+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 268 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |



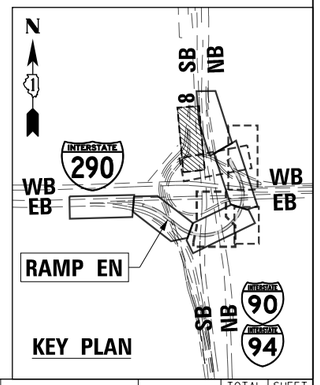

## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

N

0 20 40

SCALE: 1"=20'

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TranSystems

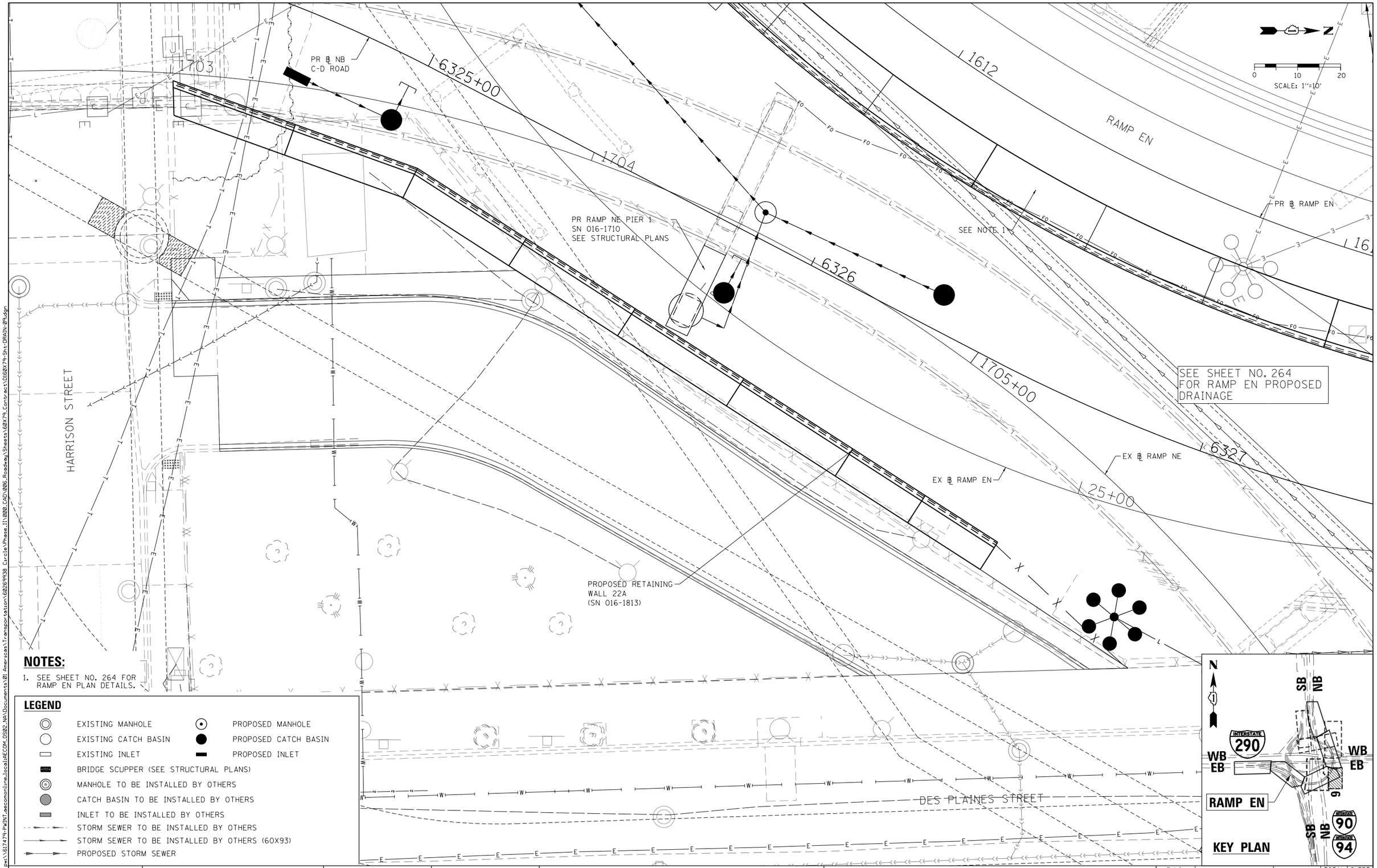
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-08.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 8 OF 10 SHEETS | STA. 16+00 TO STA. 21+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 269 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




## NOTES:

1. SEE SHEET NO. 264 FOR RAMP EN PLAN DETAILS.

## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

FILE PATH = pw:\\61479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000 CAD\006 Roadway\Sheets\60X79 Circle\Phase II\000 CAD\006 Roadway\Sheets\60X79-Sht-DRAIN-09.dgn

TranSystems

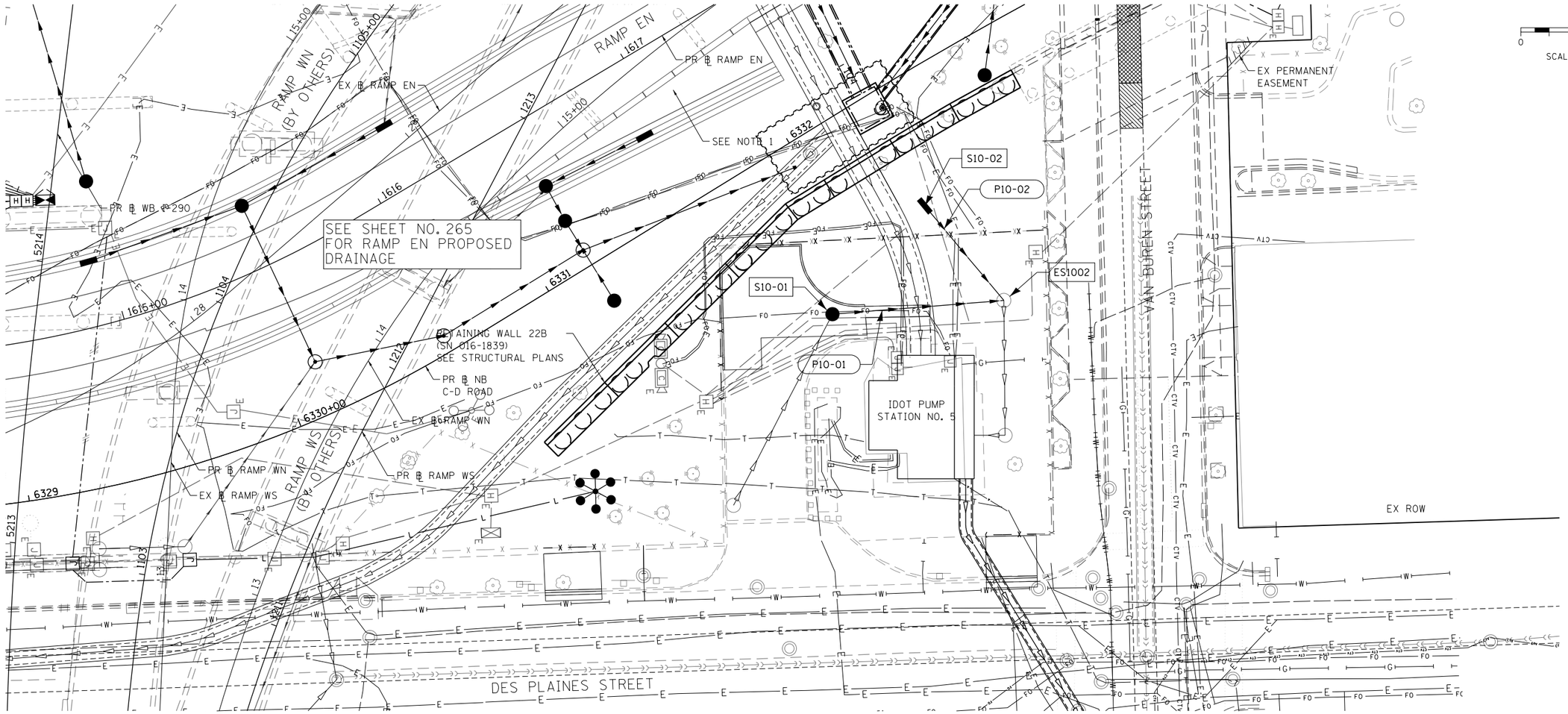
| | | | |
|---|---|---|---|
| D160X79-Sht-DRAIN-09.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=10' | SHEET 9 OF 10 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 270 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

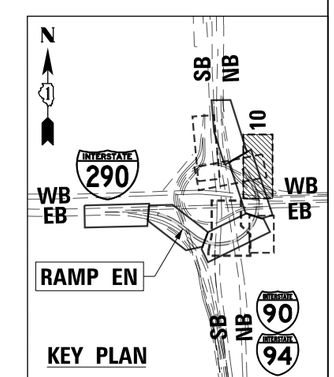



## LEGEND

| | |
|---|---|
| EXISTING MANHOLE | PROPOSED MANHOLE |
| EXISTING CATCH BASIN | PROPOSED CATCH BASIN |
| EXISTING INLET | PROPOSED INLET |
| BRIDGE SCUPPER (SEE STRUCTURAL PLANS) | |
| MANHOLE TO BE INSTALLED BY OTHERS | |
| CATCH BASIN TO BE INSTALLED BY OTHERS | |
| INLET TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS | |
| STORM SEWER TO BE INSTALLED BY OTHERS (60X93) | |
| PROPOSED STORM SEWER | |

## NOTES:

1. SEE SHEET NO. 265 FOR RAMP EN PLAN DETAILS.

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TranSystems

| | | | |
|---|---|---|---|
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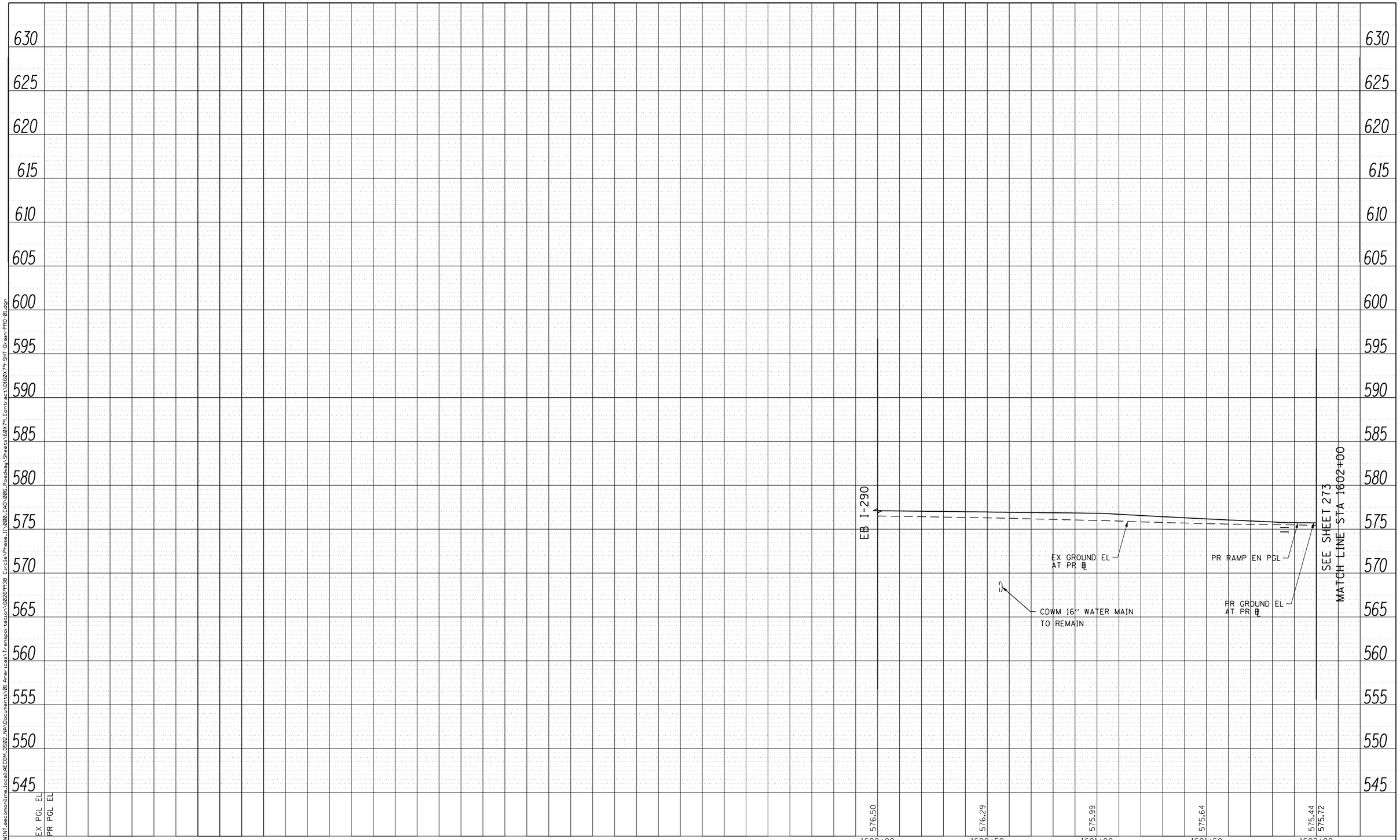
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0017 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**PROPOSED DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' | SHEET 10 OF 10 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 271 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| PLAN | | BY | DATE |
|---|---|---|---|
| NOTE BOOK NO. ____ | SURVEYED | | |
| | PLOTTED | | |
| | ALIGNMENT CHECKED | | |
| | RT. OF WAY CHECKED | | |
| | CADD FILE NAME | | |

| PROFILE | | BY | DATE |
|---|---|---|---|
| NOTE BOOK NO. ____ | SURVEYED | | |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | BKM. NOTED | | |
| | STRUCTURE NOTATNS CHKD | | |

FILE PATH = pw:\\61479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-SHT-Drain-PRO-01.dgn

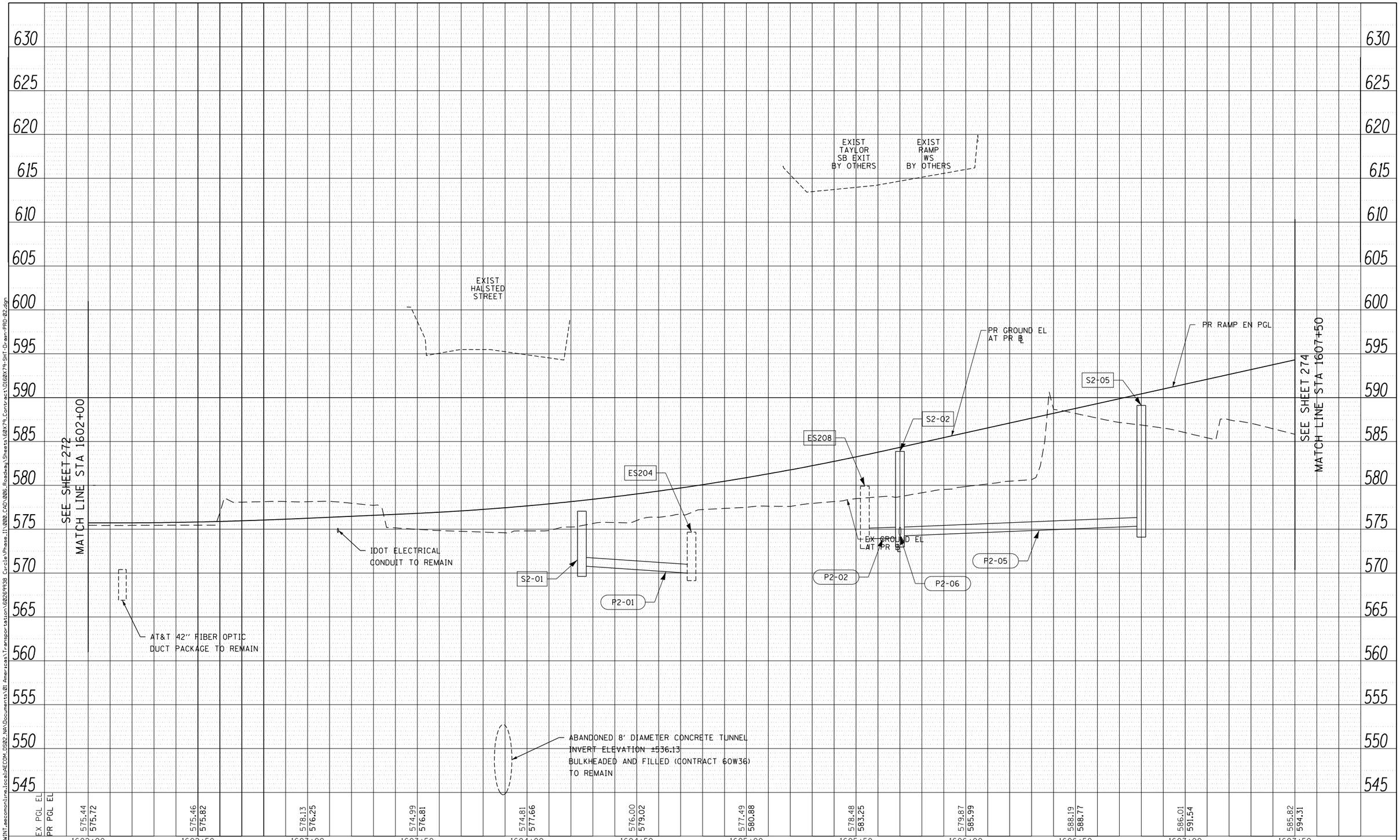
| | | |
|---|---|---|
| D160X79-SHT-Drain-PRO-01.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

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

**DRAINAGE AND UTILITIES PROFILE**
**RAMP EN**

SCALE: 1"=20' | SHEET 1 OF 11 SHEETS | STA.1600+00 TO STA.1602+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 272 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




PLAN

NOTE BOOK NO. ____

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

BY | DATE

PROFILE

NOTE BOOK NO. ____

SURVEYED
PLOTTED
PROFILE CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD

BY | DATE

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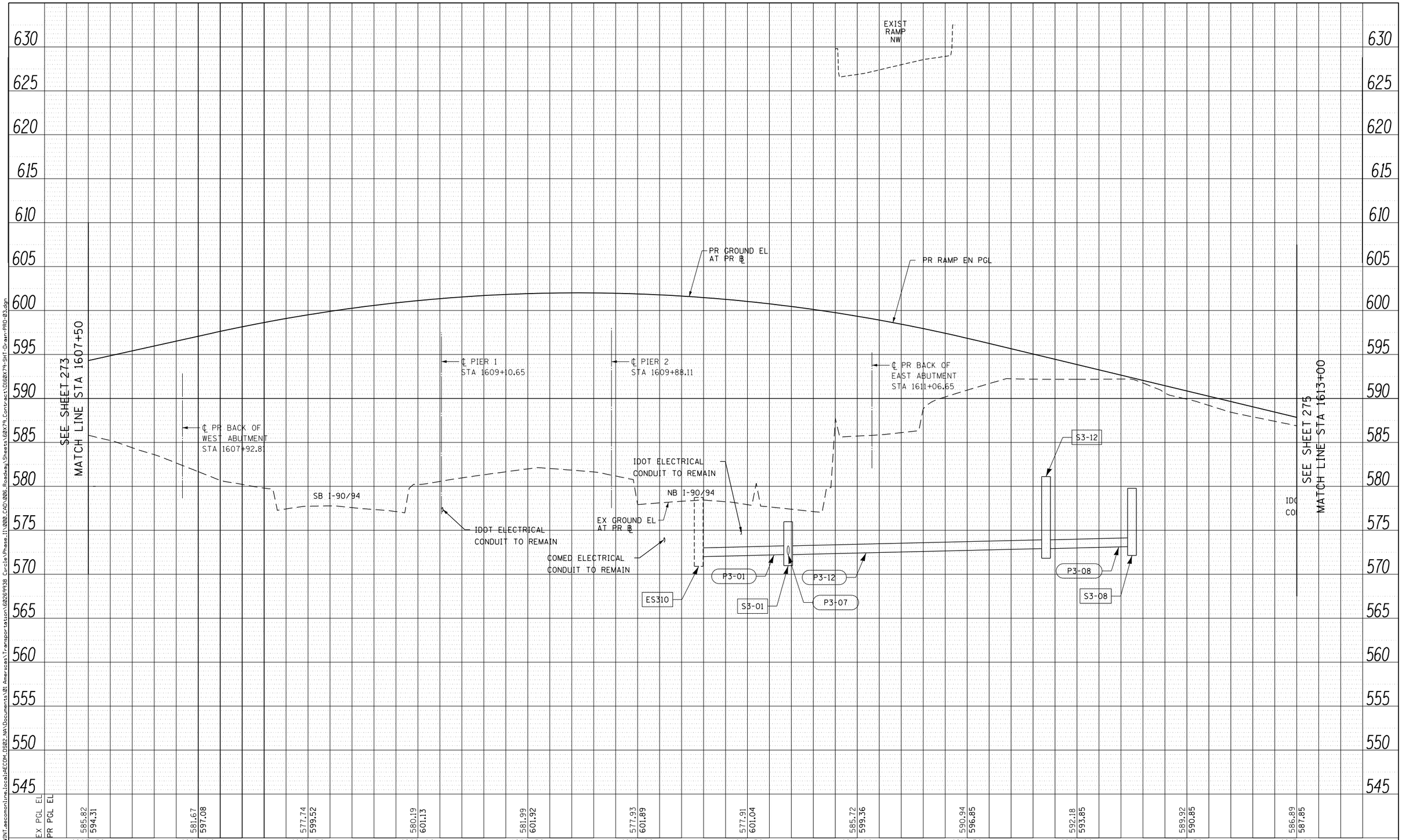
| | | |
|---|---|---|
| D160X79-SHT-Drain-PRO-02.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

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

**DRAINAGE AND UTILITIES PROFILE**
**RAMP EN**

SCALE: 1"=20' | SHEET 2 OF 11 SHEETS | STA.1602+00 TO STA.1607+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 273 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| PLAN | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| ALIGNMENT CHECKED | | |
| RT. OF WAY CHECKED | | |
| CADD FILE NAME | | |
| NOTE BOOK NO. | | |

| PROFILE | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| GRADES CHECKED | | |
| BM. NOTED | | |
| STRUCTURE NOTATNS CHKD | | |
| NOTE BOOK NO. | | |

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| | | | |
|---|---|---|---|
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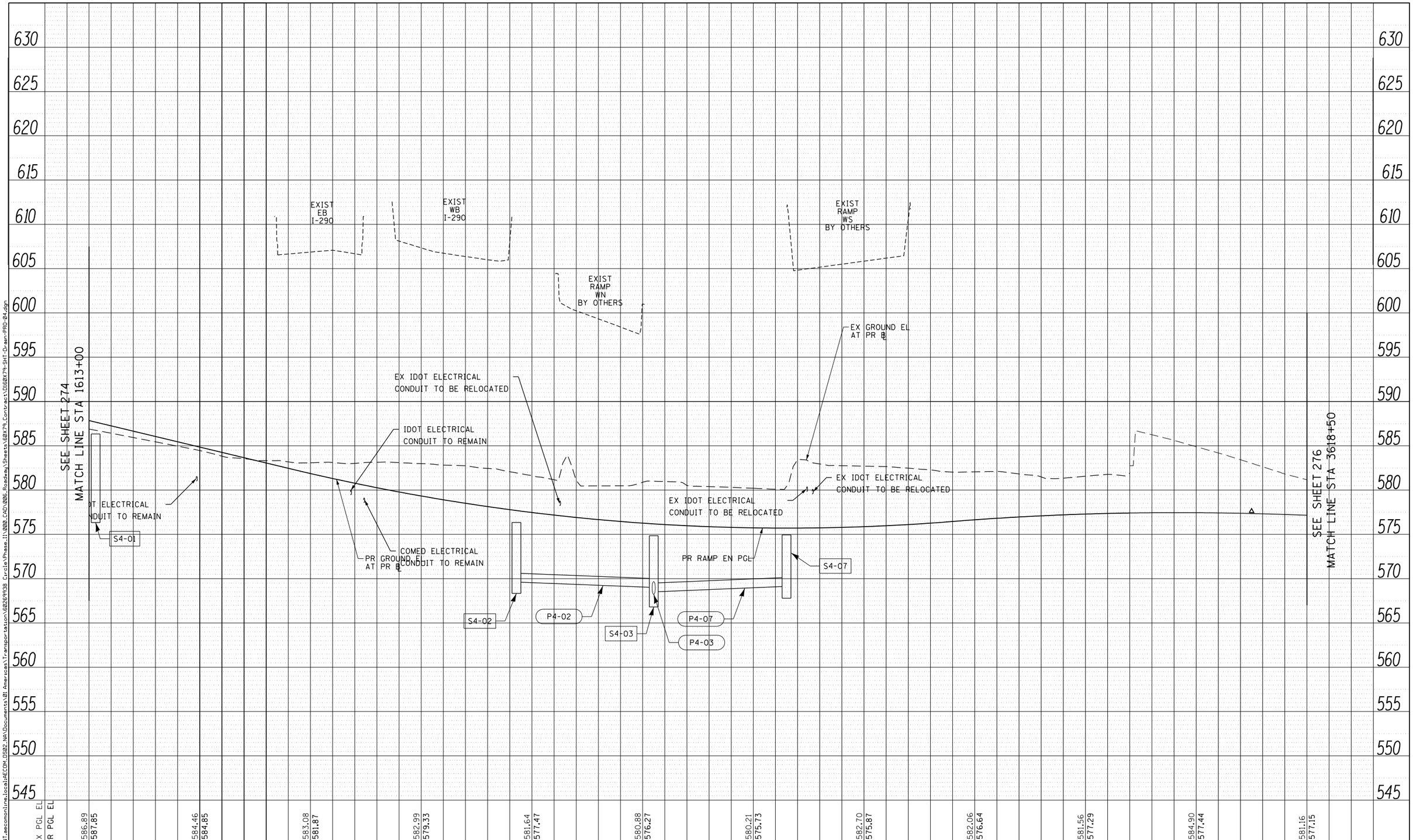
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PROFILE**
**RAMP EN**

SCALE: 1"=20' | SHEET 3 OF 11 SHEETS | STA.1607+50 TO STA.1613+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 274 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| PLAN | | BY | DATE |
|---|---|---|---|
| NOTE BOOK NO. ____ | SURVEYED | | |
| | PLOTTED | | |
| | ALIGNMENT CHECKED | | |
| | RT. OF WAY CHECKED | | |
| | CADD FILE NAME | | |

| PROFILE | | BY | DATE |
|---|---|---|---|
| NOTE BOOK NO. ____ | SURVEYED | | |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | BRK. NOTED | | |
| | STRUCTURE NOTATNS CHKD | | |

FILE PATH = pw:\\bi7479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-SHT-Drain-PRO-04.dgn

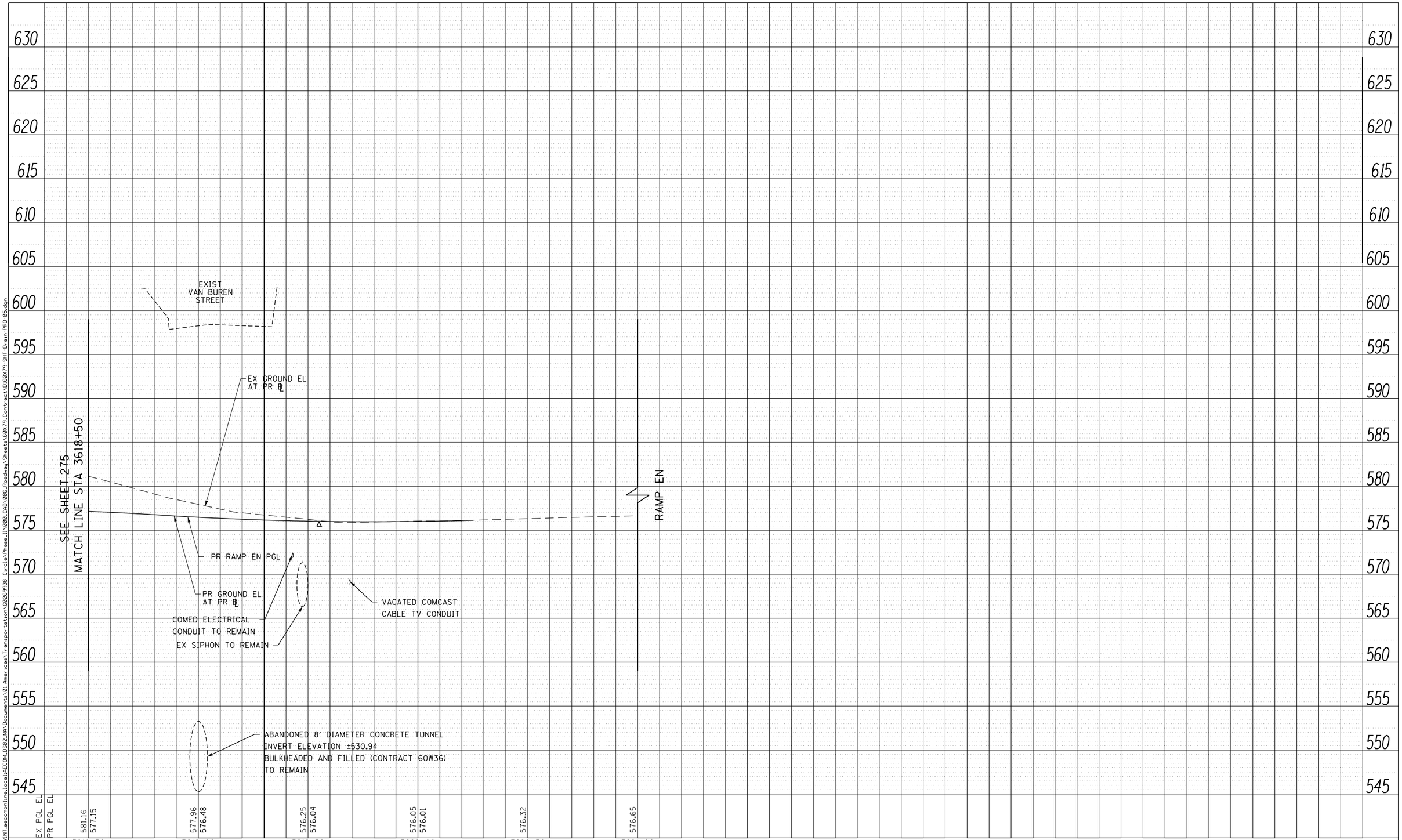
| | | |
|---|---|---|
| D160X79-SHT-Drain-PRO-04.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

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

**DRAINAGE AND UTILITIES PROFILE**
**RAMP EN**

SCALE: 1"=20' | SHEET 4 OF 11 SHEETS | STA.1613+00 TO STA.3618+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 275 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| ALIGNMENT CHECKED | | |
| RT. OF WAY CHECKED | | |
| CADD FILE NAME | | |
| NOTE BOOK NO. | | |

| PROFILE | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| GRADES CHECKED | | |
| B.M. NOTED | | |
| STRUCTURE NOTATNS CHKD | | |
| NOTE BOOK NO. | | |

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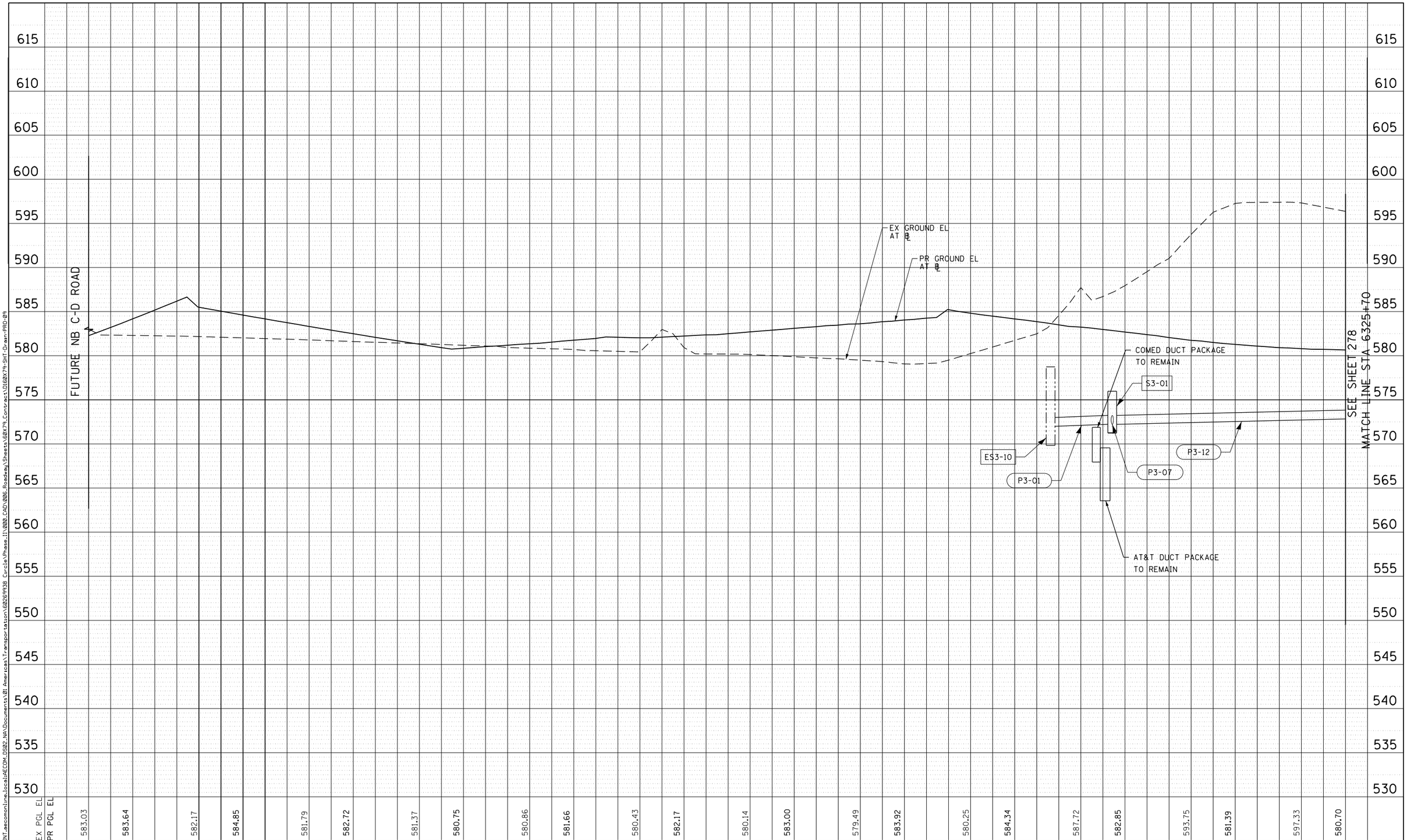
| | | |
|---|---|---|
| D160X79-SHT-Drain-PRO-05.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

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

**DRAINAGE AND UTILITIES PROFILE**
**RAMP EN**

SCALE: 1"=20' | SHEET 5 OF 11 SHEETS | STA.3618+50 TO STA.3621+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 276 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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ALIGNMENT CHECKED
RT. OF WAY CHECKED
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BY
DATE

PROFILE
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GRADES CHECKED
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STRUCTURE NOTATNS CHKD
BY
DATE

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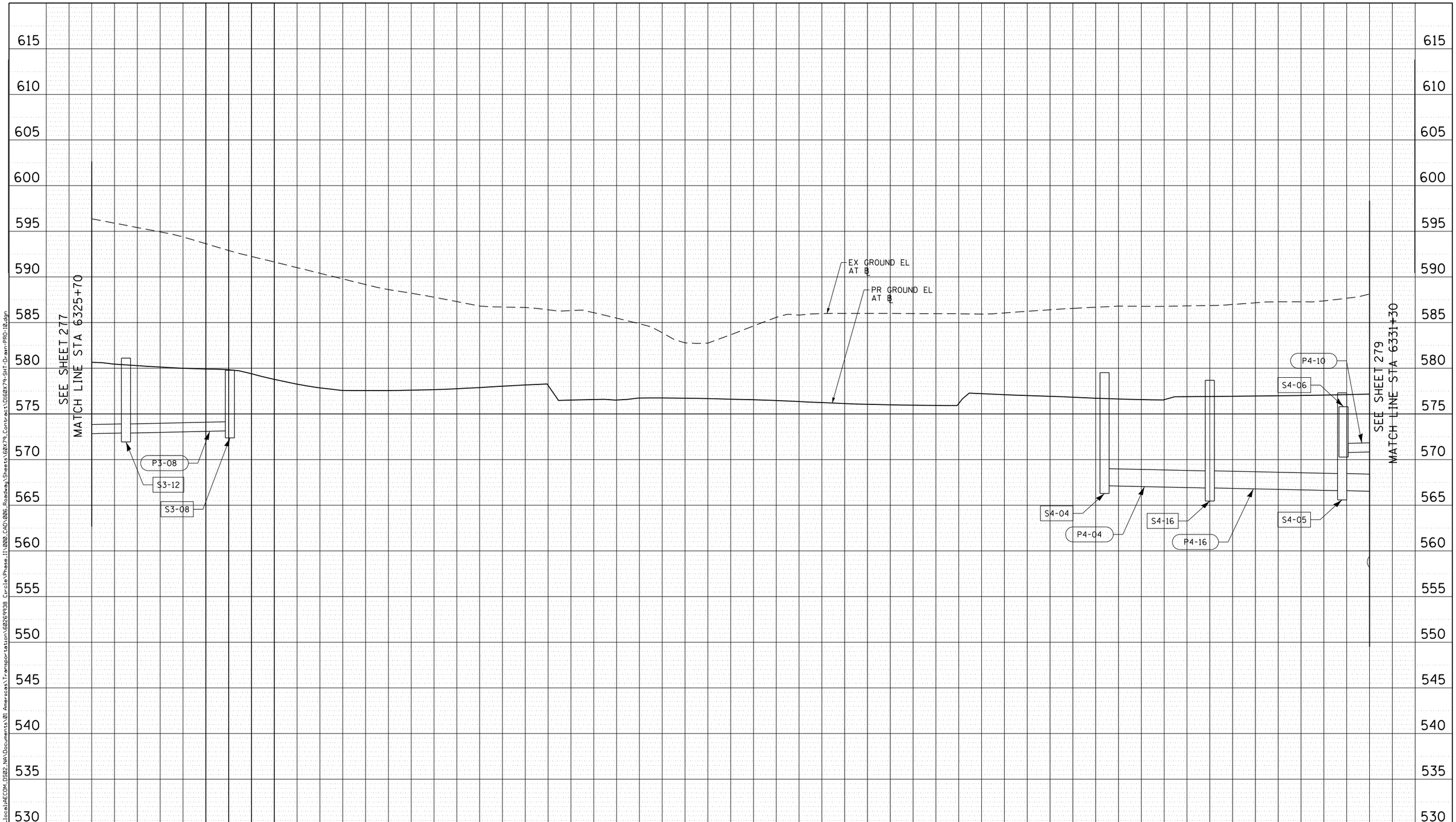
|---|---|---|---|
| D160X79-SHT-Drain-PRO-09 | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PROFILE**
**FUTURE NB C-D ROAD**

SCALE: 1"=20' | SHEET 6 OF 11 SHEETS | STA.6320+00 TO STA.6325+70

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 277 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| PLAN | BY | DATE |
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| SURVEYED | | |
| PLOTTED | | |
| ALIGNMENT CHECKED | | |
| RT. OF WAY CHECKED | | |
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| NOTE BOOK NO. | | |

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| SURVEYED | | |
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| GRADES CHECKED | | |
| BLM. NOTED | | |
| STRUCTURE NOTATNS CHKD | | |
| NOTE BOOK NO. | | |

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| | | |
|---|---|---|
| D160X79-SHT-Drain-PRO-10.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

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

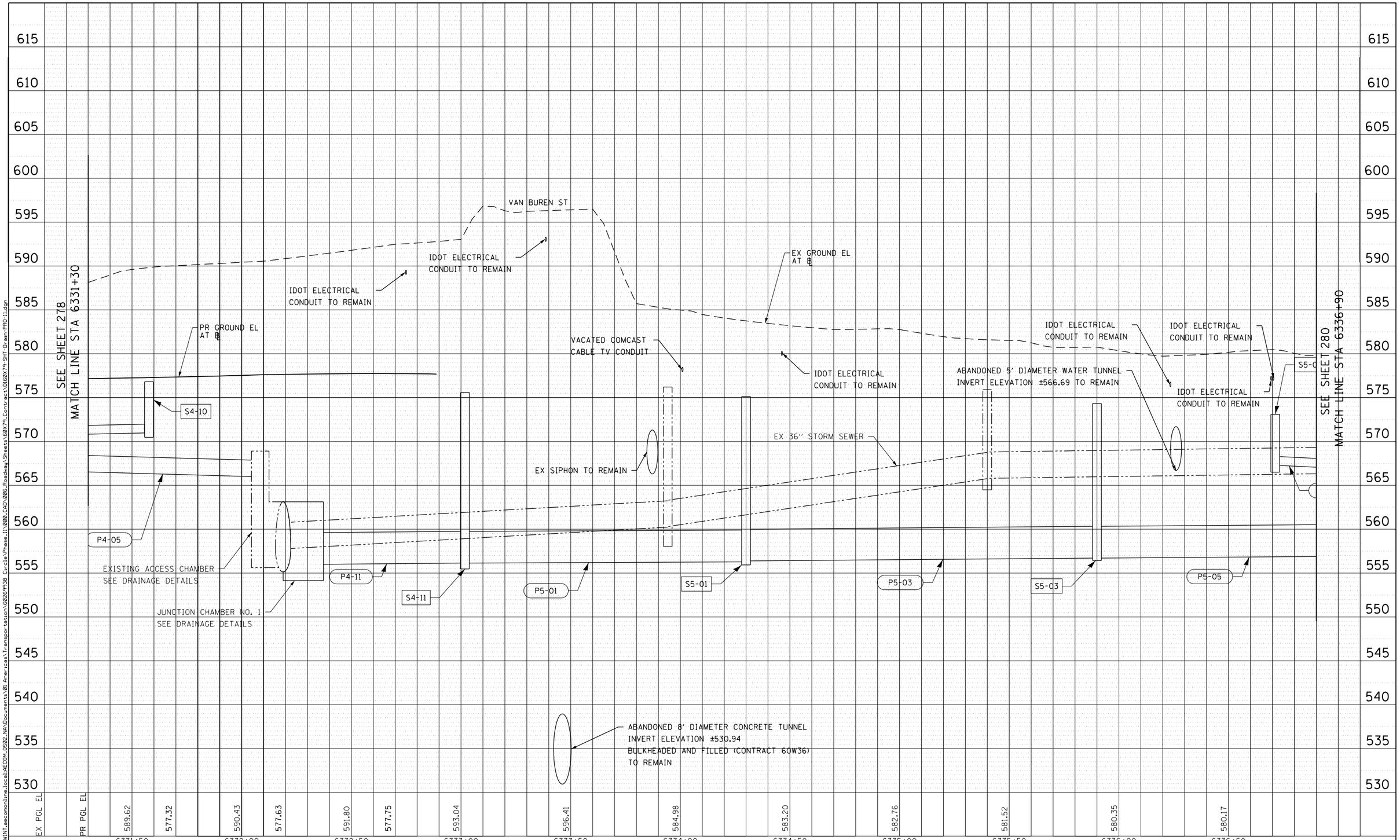
**DRAINAGE AND UTILITIES PROFILE**
**FUTURE NB C-D ROAD**

SCALE: 1"=20' | SHEET 7 OF 11 SHEETS | STA.6325+70 TO STA.6331+30

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 278 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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RT. OF WAY CHECKED
CADD FILE NAME
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SURVEYED
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GRADES CHECKED
BLDG. NOTED
STRUCTURE NOTATNS CHKD
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DATE

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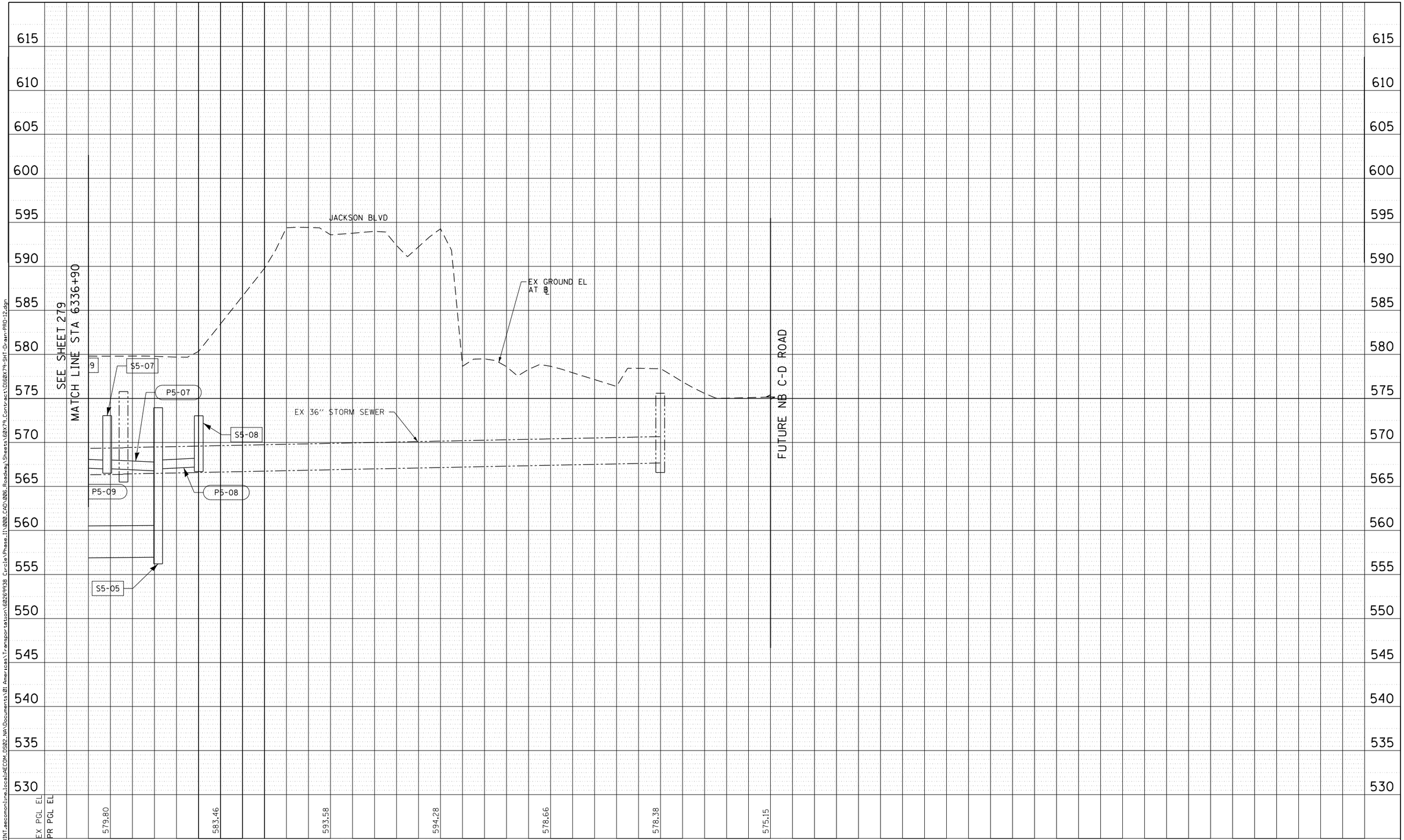
| D160X79-SHT-Drain-PRO-11.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PROFILE**
**FUTURE NB C-D ROAD**

SCALE: 1"=20' | SHEET 8 OF 11 SHEETS | STA.6325+70 TO STA.6336+90

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 279 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
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DATE

PROFILE
NOTE BOOK NO. ____
SURVEYED
PLOTTED
GRADES CHECKED
BKM. NOTED
STRUCTURE NOTATNS CHKD
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DATE

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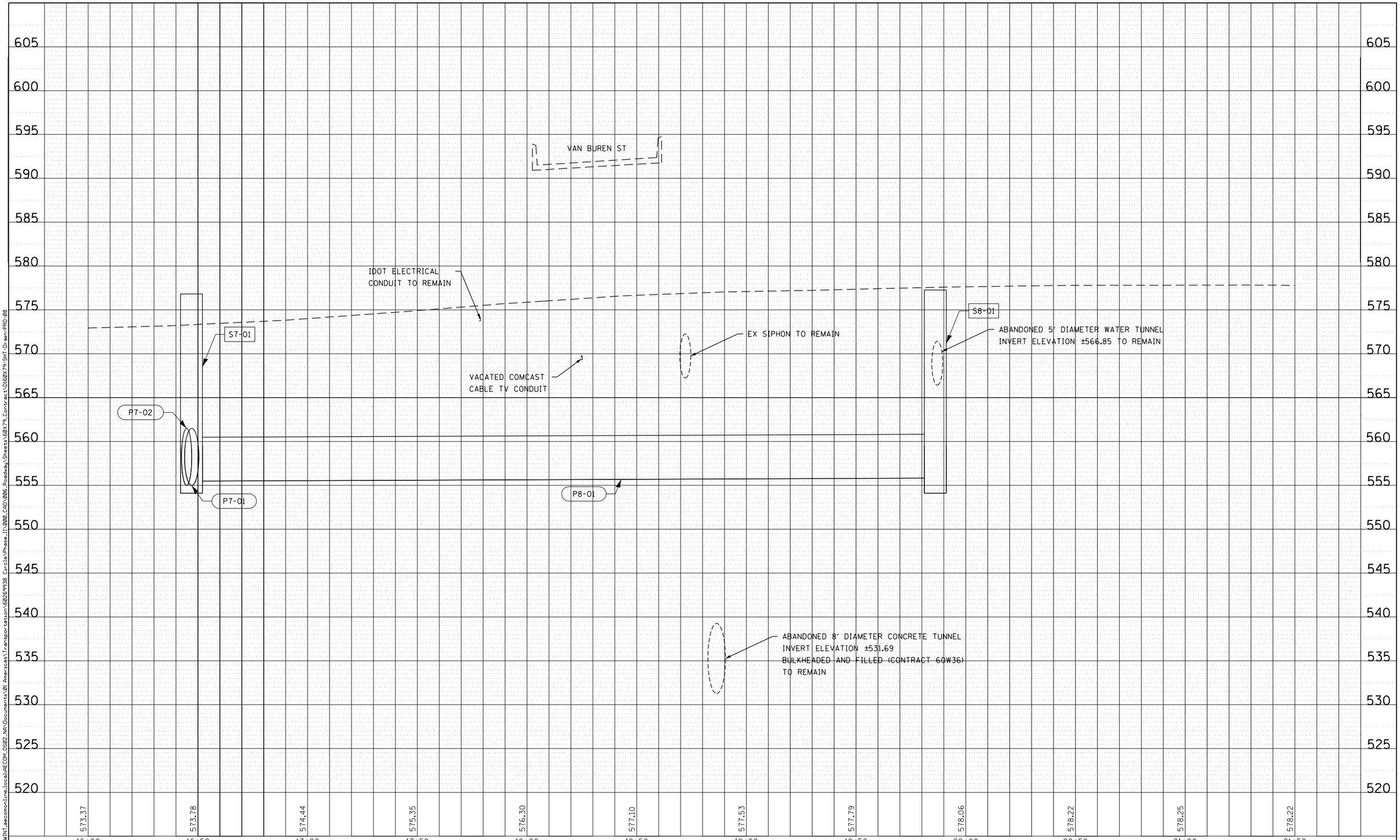
|---|---|---|---|
| D160X79-SHT-Drain-PRO-12.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PROFILE**
**FUTURE NB C-D ROAD**

SCALE: 1"=20' | SHEET 8 OF 11 SHEETS | STA.6336+90 TO STA.6340+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 280 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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RT. OF WAY CHECKED
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NO. ____
BY
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PROFILE
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GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO. ____
BY
DATE

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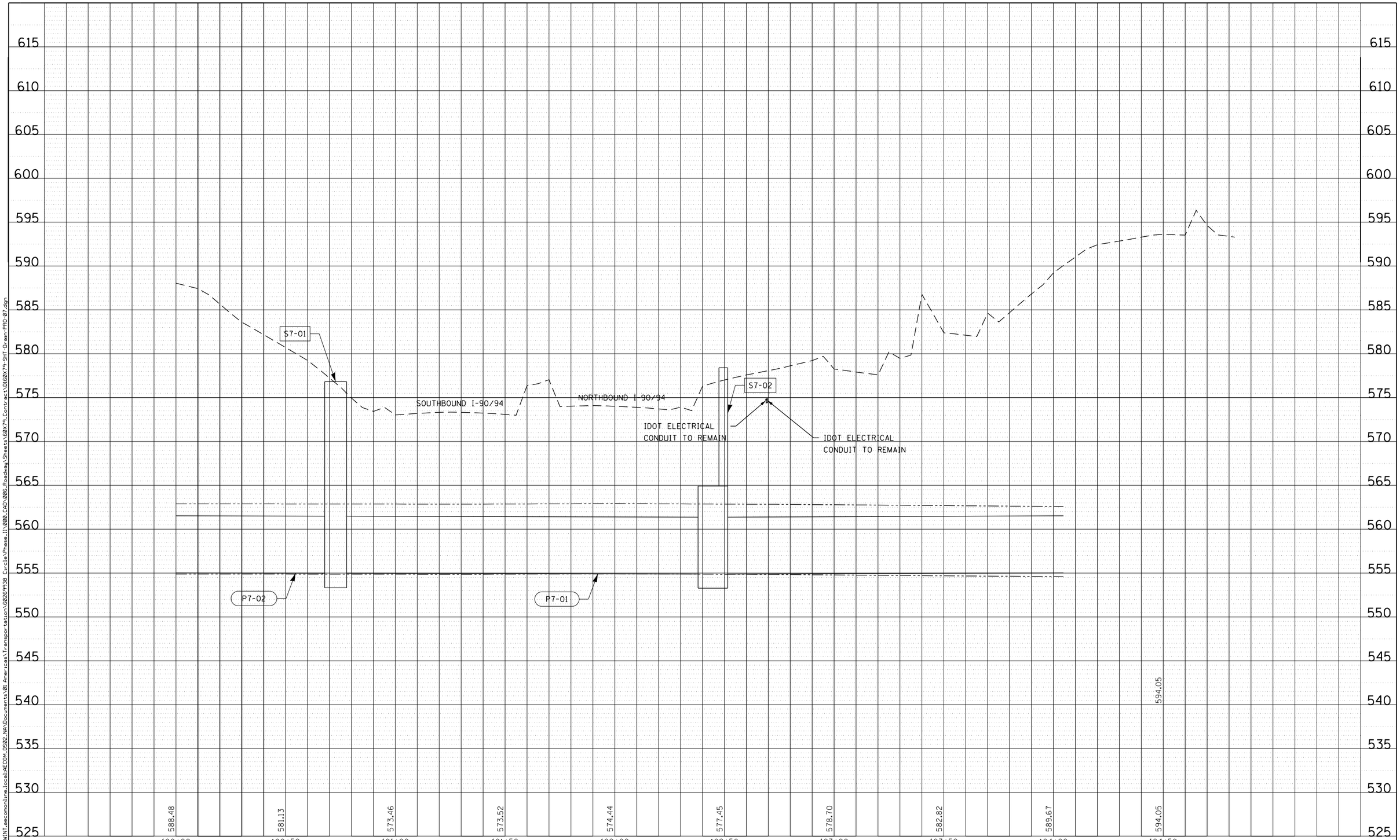
|---|---|---|---|
| DI60X79-SHT-Drain-PRO-08 | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**DRAINAGE AND UTILITIES PROFILE**
**SB I-90/94**

SCALE: 1"=20' | SHEET 10 OF 11 SHEETS | STA. 16+00 TO STA. 21+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 281 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




| PLAN | BY | DATE |
|---|---|---|
| SURVEYED | | |
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| ALIGNMENT CHECKED | | |
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| NOTE BOOK NO. | | |

| PROFILE | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| GRADES CHECKED | | |
| BM. NOTED | | |
| STRUCTURE NOTATNS CHKD | | |
| NOTE BOOK NO. | | |

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Tran Systems

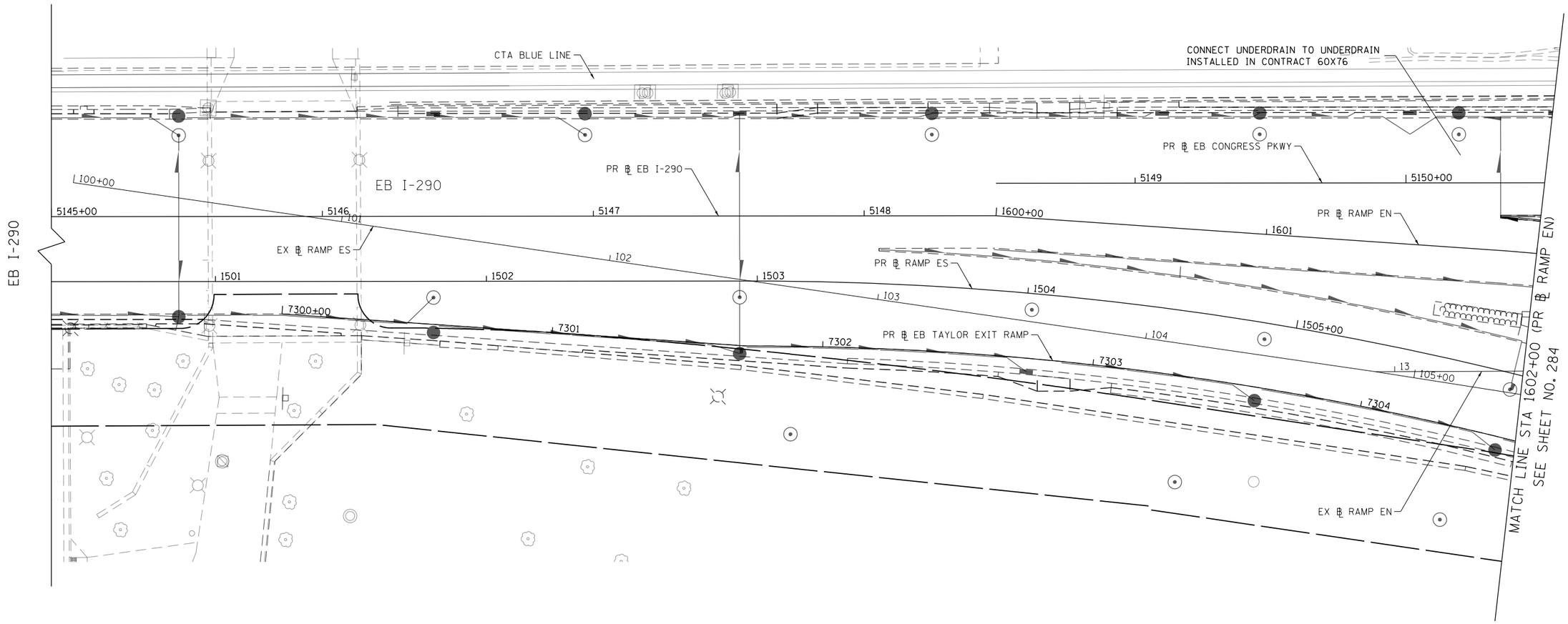
| | | |
|---|---|---|
| DI60X79-SHT-Drain-PRO-07.dgn | DESIGNED - MRC | REVISED - |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - |

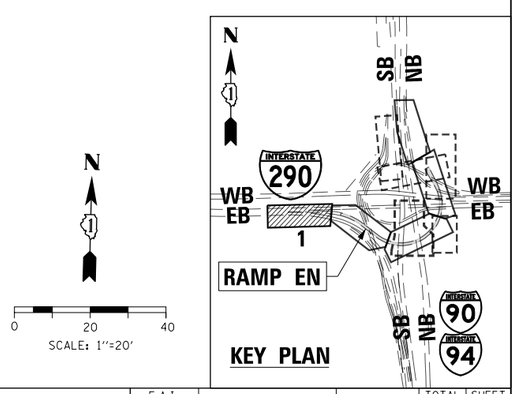
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES PROFILE**
**PR 78" MAIN DRAIN**

SCALE: 1"=20' | SHEET 11 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 282 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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0 20 40

SCALE: 1"=20'

| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-Sub-01.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

TranSystems

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

**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 1600+00 TO STA. 1602+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 283 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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BEGIN PROJECT LIMIT
RAMP EN
STA 1602+81.84

EB CONGRESS PKWY

PR ℄ CONGRESS PKWY

PR ℄ SB TAYLOR EXIT RAMP

SB TAYLOR EXIT RAMP

PR ℄ RAMP EN

RAMP EN

PR ℄ RAMP WS

RAMP WS

EX ℄ RAMP EN

PROPOSED RETAINING
WALL 18
(SN 016-1807)

EX ℄ RAMP WS

EX ℄ RAMP ES

PU2-01

PU2-02

PU2-03

PU2-04

PU2-05

PU2-06

S2-01

S2-02

S2-03

CONNECT UNDERDRAIN TO UNDERDRAIN
INSTALLED IN CONTRACT 60X76

PR ℄ RAMP ES

RAMP ES

EB TAYLOR EXIT RAMP

PR ℄ EB TAYLOR EXIT RAMP

HALSTED STREET

MATCH LINE STA 1602+00 (PR ℄ RAMP EN)
SEE SHEET NO. 283

MATCH LINE STA 1607+50 (PR ℄ RAMP EN)
SEE SHEET NO. 285

SCALE: 1"=20'

KEY PLAN

RAMP EN

WB EB

SB NB

INTERSTATE 290

INTERSTATE 90

INTERSTATE 94

FILE PATH = pw:\\6i7479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\002.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-SHT-Drain-Sub-02.dgn

TranSystems

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|---|---|---|---|
| D160X79-SHT-Drain-Sub-02.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

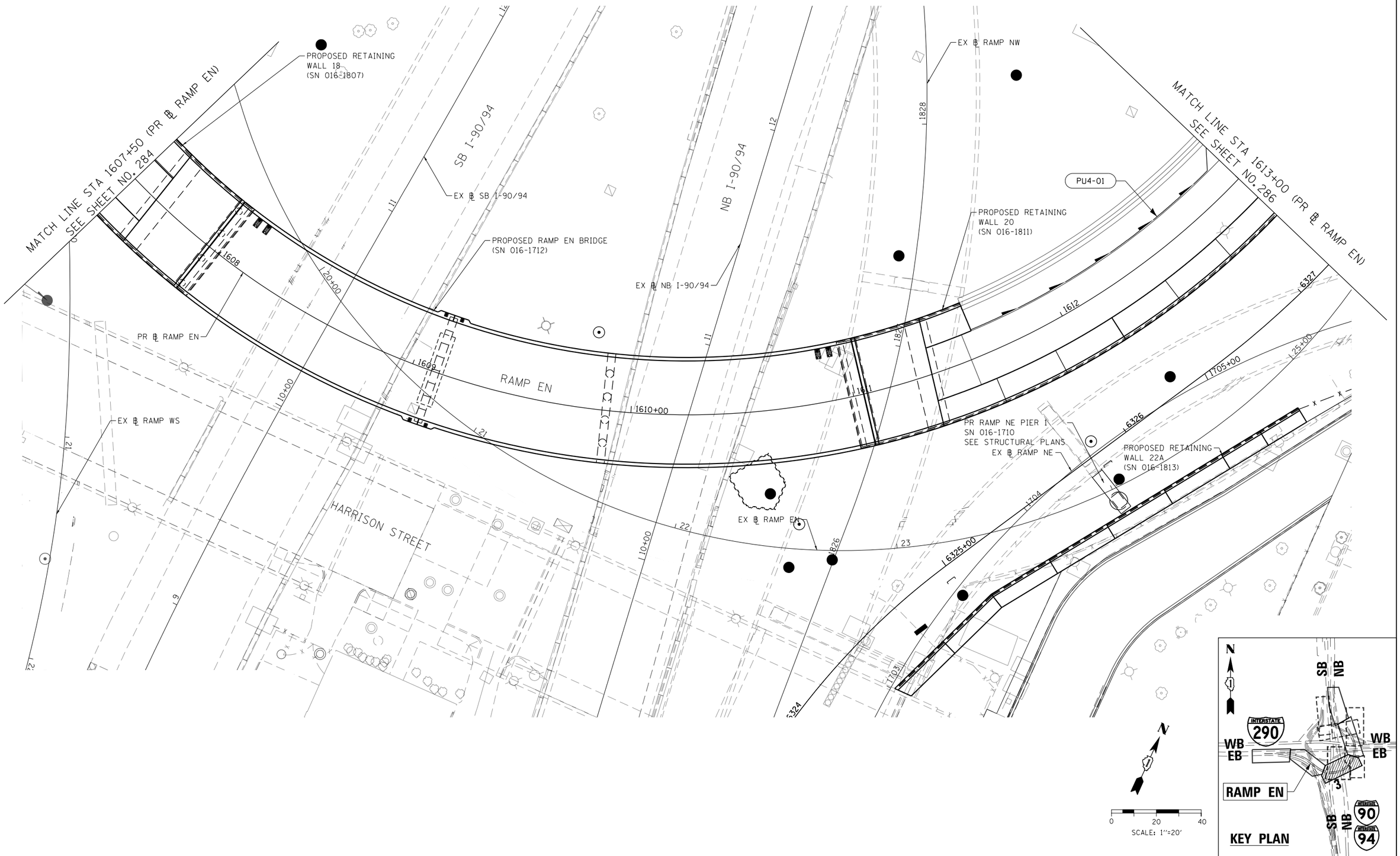
**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. 1602+00 TO STA. 1607+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 284 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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TranSystems

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|---|---|---|---|
| D160X79-SHT-Drain-Sub-03.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

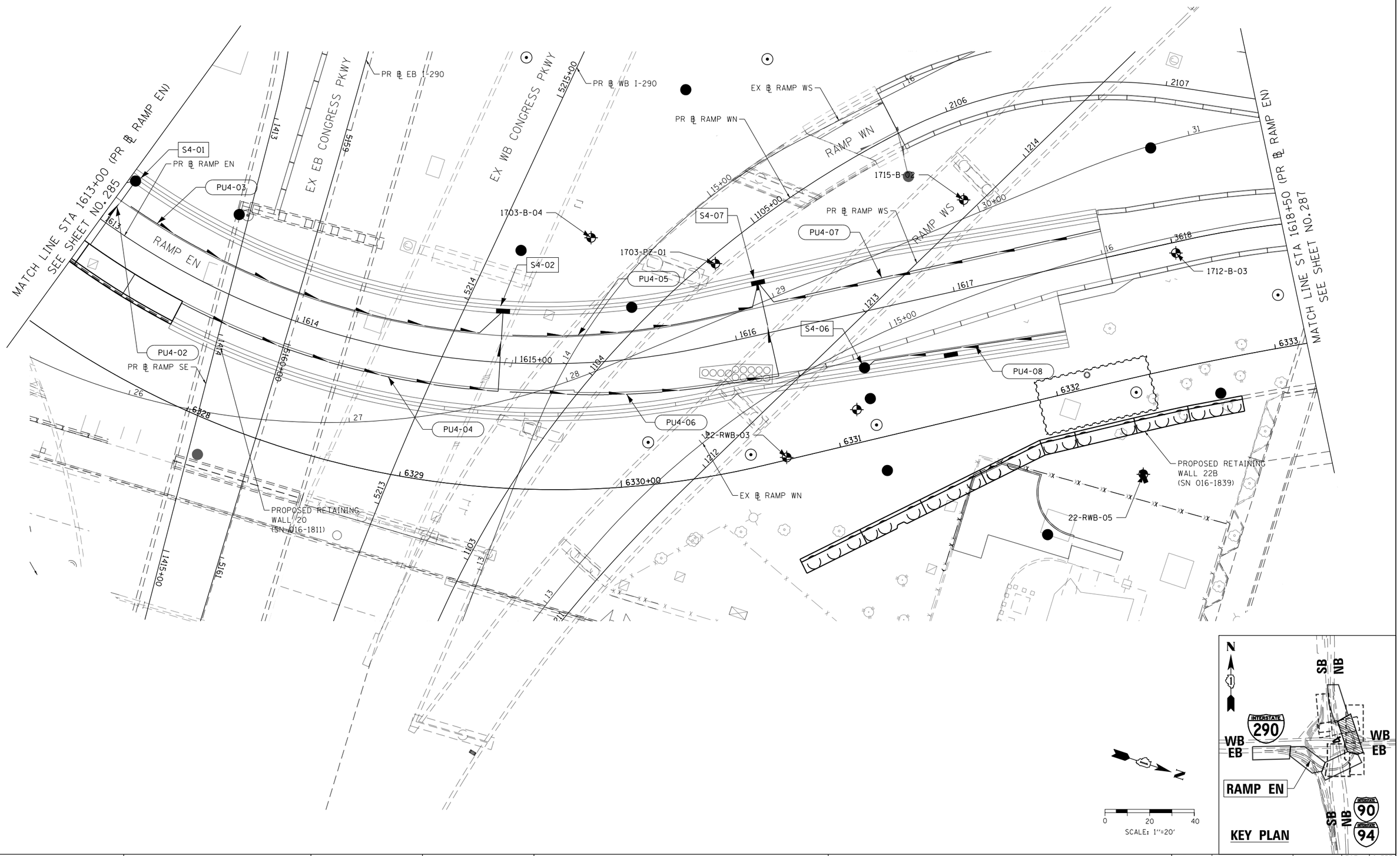
**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 1607+50 TO STA. 1613+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 285 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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TranSystems

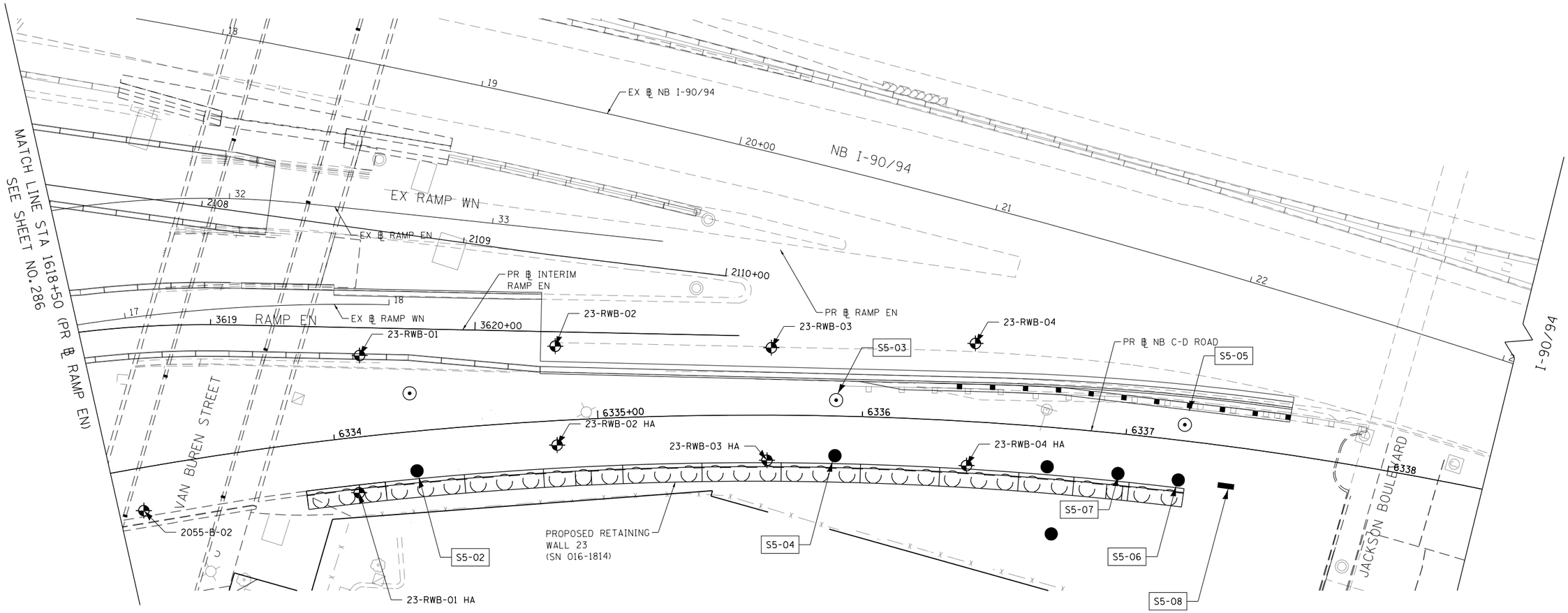
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-Sub-04.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

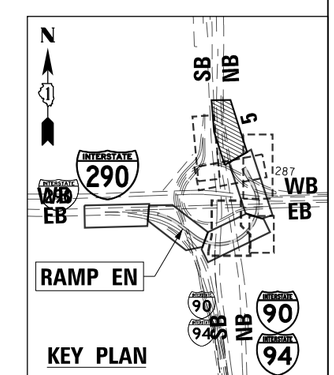
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 1613+00 TO STA. 1618+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 286 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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TranSystems

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|---|---|---|---|
| D160X79-SHT-Drain-Sub-05.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

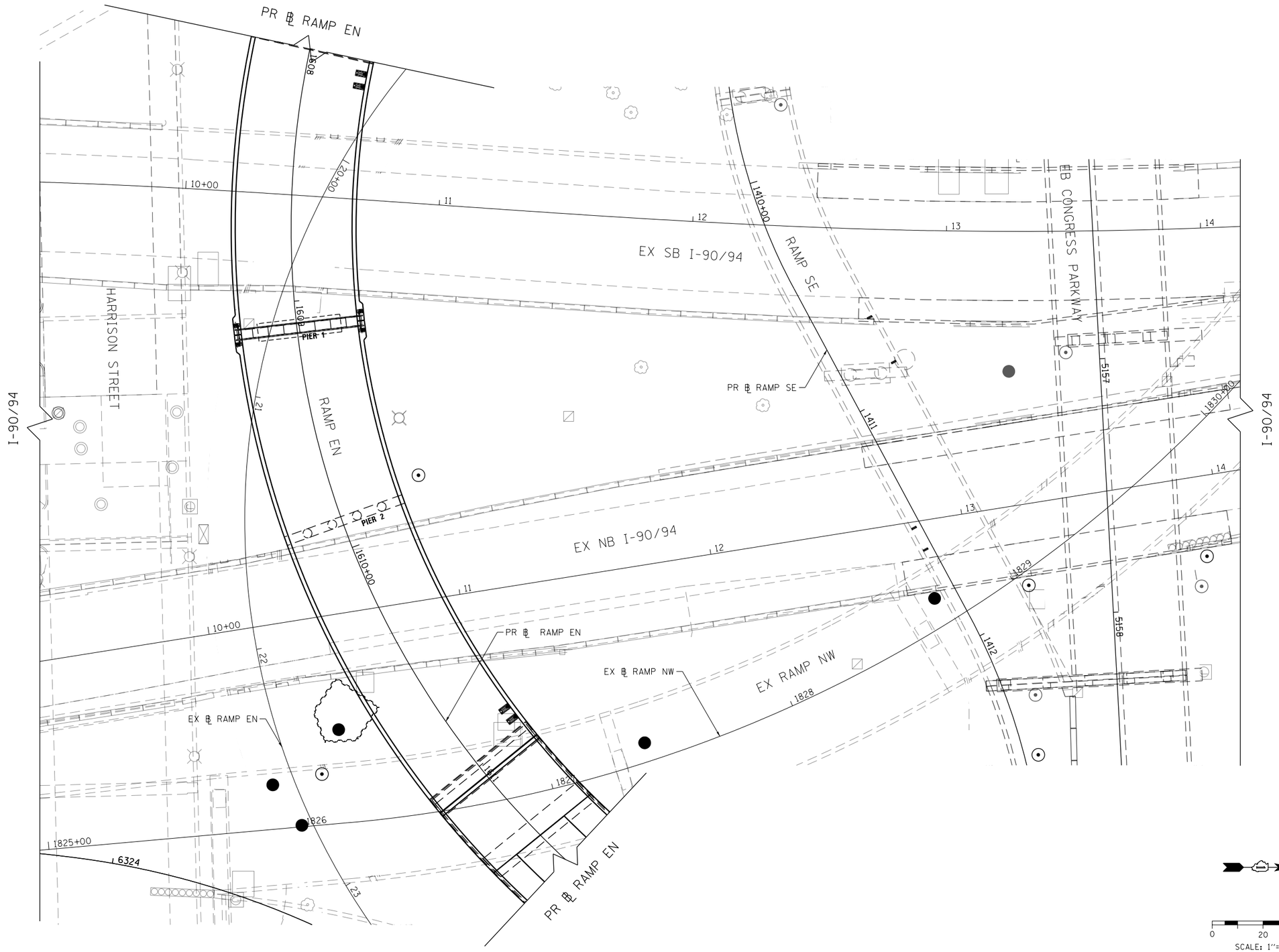
**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 1618+50 TO STA. 1623+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 287 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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TranSystems

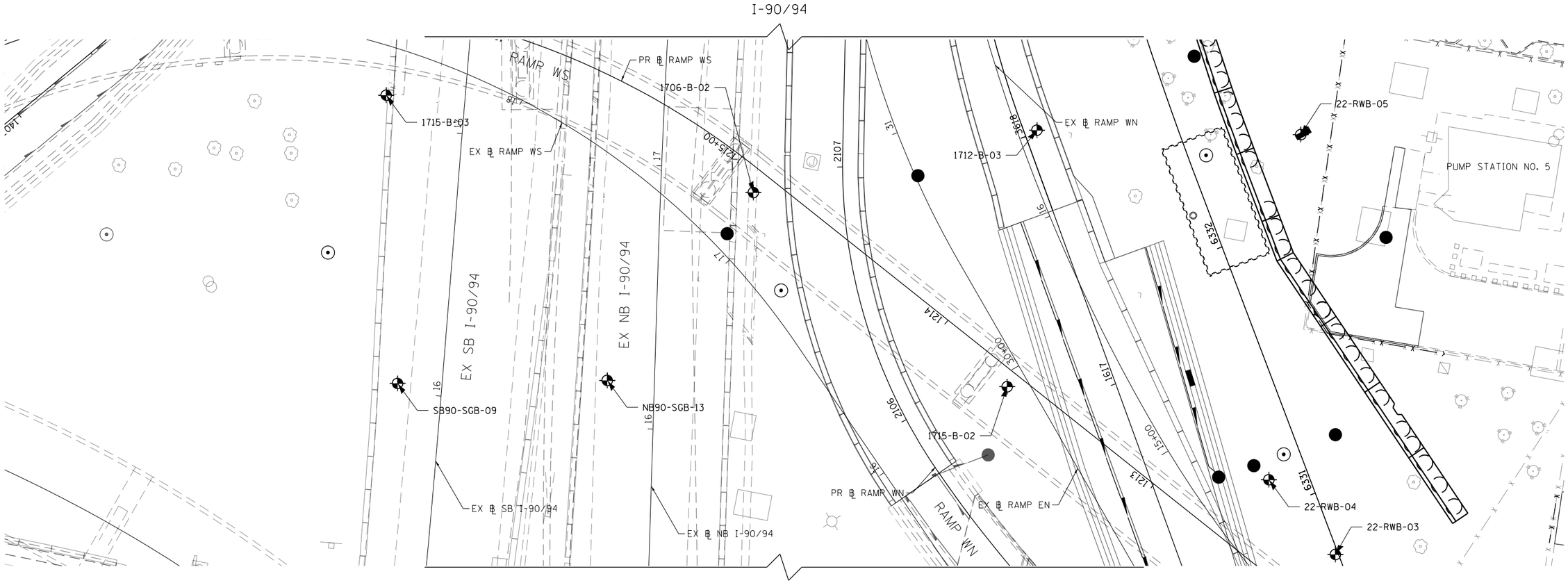
| | | | |
|---|---|---|---|
| D160X79-SHT-DRAIN-SUB-06.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

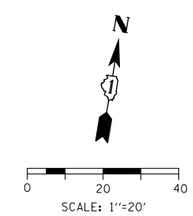
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

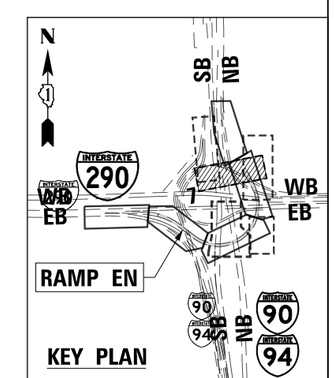
**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 288 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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TranSystems

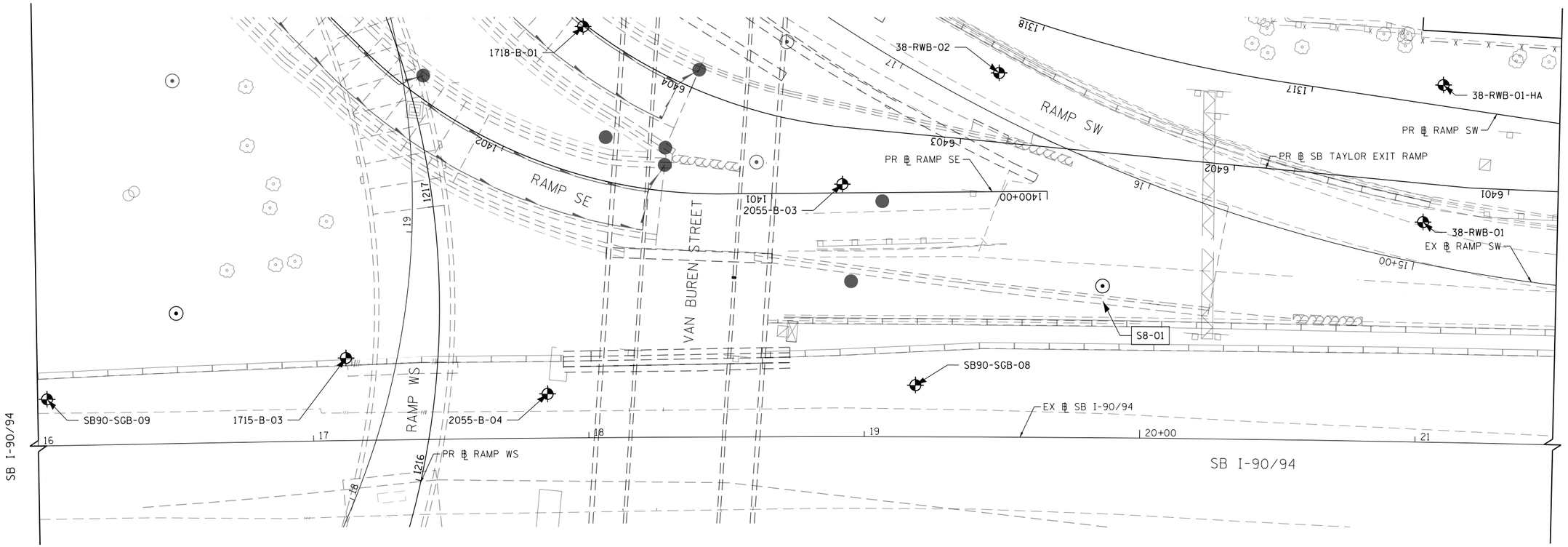
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-Sub-07.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

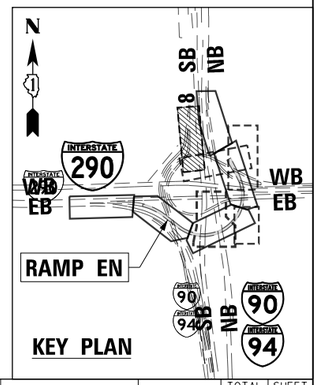
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 7 OF 8 SHEETS | STA. 100+00 TO STA. 104+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 289 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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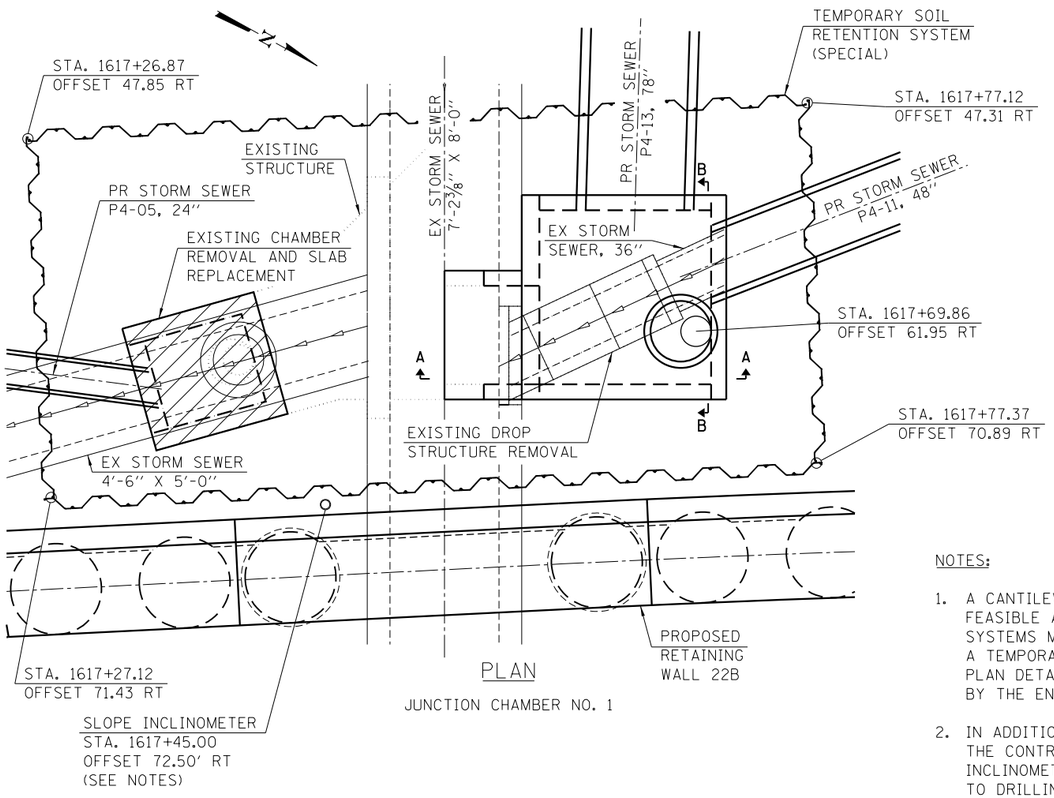
| | | | |
|---|---|---|---|
| D160X79-SHT-Drain-Sub-08.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mkwilson | DRAWN - MRC | REVISED - | |
| PLOT SCALE = 40.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

**SUBSURFACE DRAINAGE PLAN**

SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. 16+00 TO STA. 21+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 290 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |




PLAN

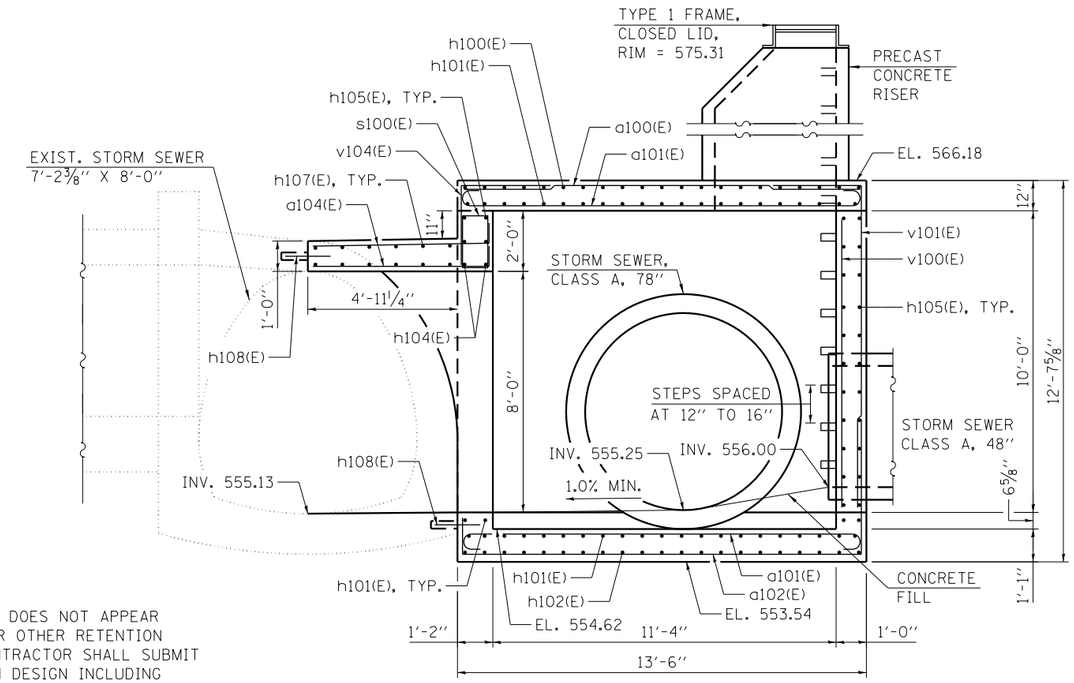
JUNCTION CHAMBER NO. 1

NOTES:

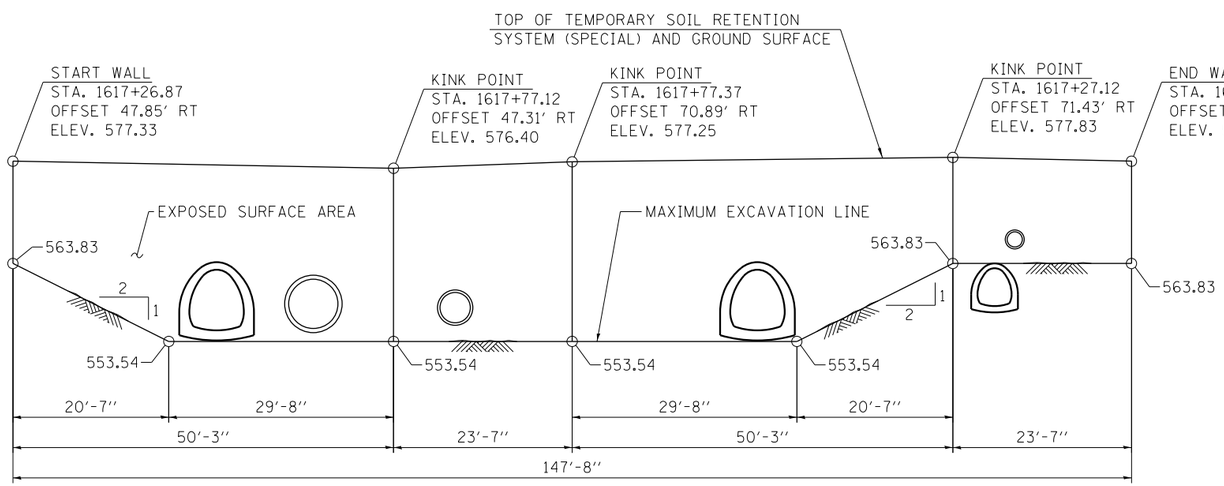
1. A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.

2. IN ADDITION TO VIBRATION AND DISPLACEMENT MONITORING, THE CONTRACTOR SHALL MONITOR MOVEMENTS WITH SLOPE INCLINOMETERS. ALL INCLINOMETERS SHALL BE INSTALLED PRIOR TO DRILLING. SEE SPECIAL PROVISION FOR SLOPE INCLINOMETER.

3. STATIONS AND OFFSETS ARE TAKEN ALONG ℄ RAMP EN.

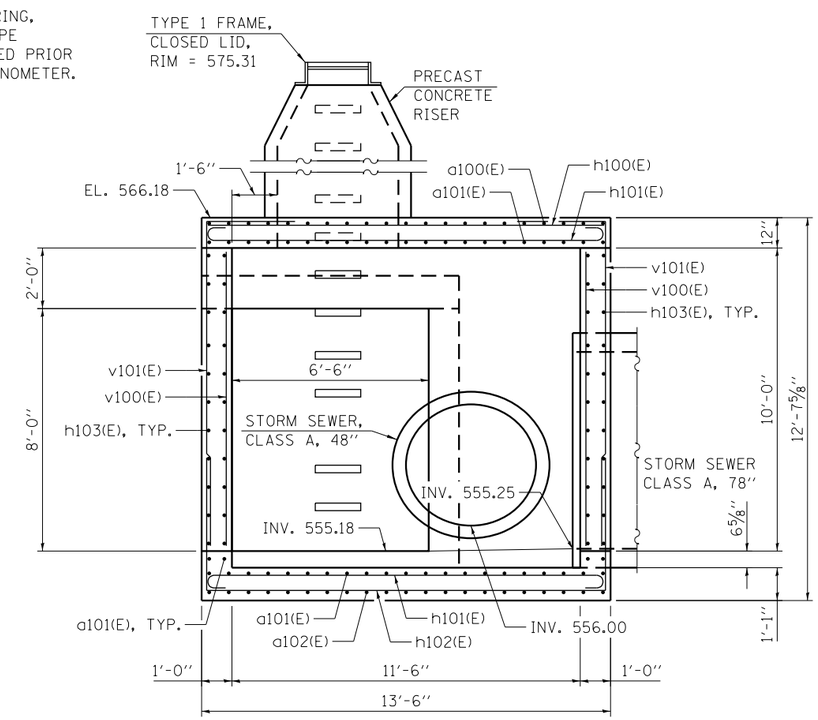



SECTION A-A




TEMPORARY SOIL RETENTION SYSTEM (SPECIAL)

MEASURED ALONG FRONT FACE OF WALL




SECTION B-B

| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Detail-01.dgn | DESIGNED - TJA | REVISED - | |
| USER NAME = mkwilson | DRAWN - TJA | REVISED - | |
| PLOT SCALE = 10.0000 ' / in. | CHECKED - WJC | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

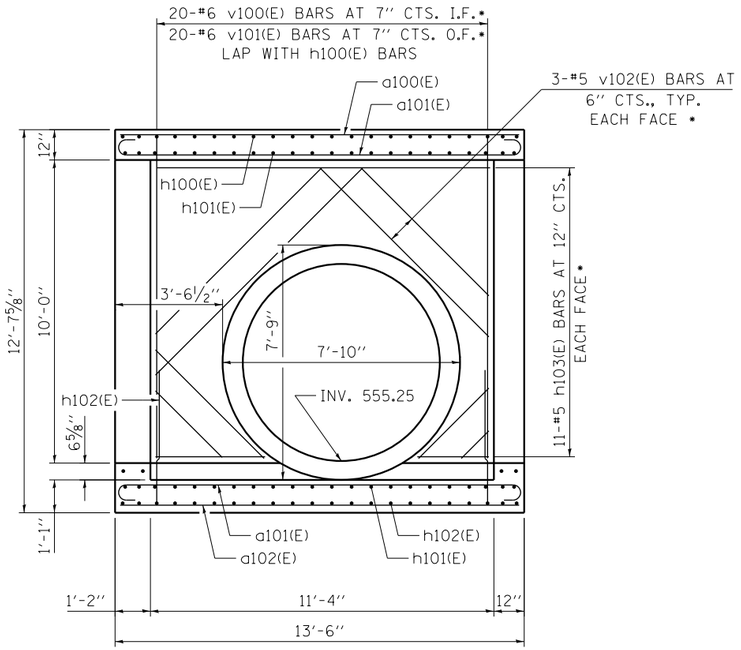
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS
JUNCTION CHAMBER NO. 1

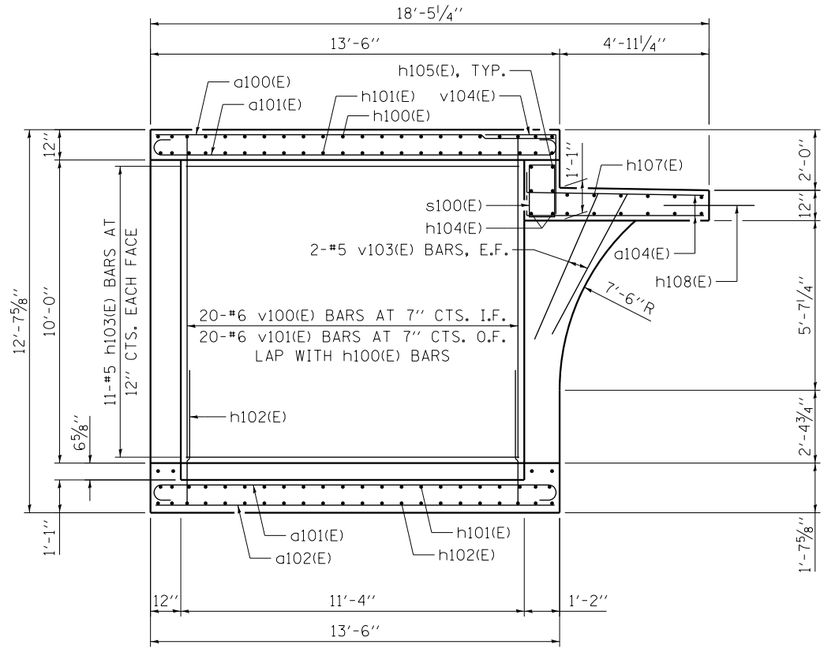
SCALE: NONE | SHEET 1 OF 6 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 291 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

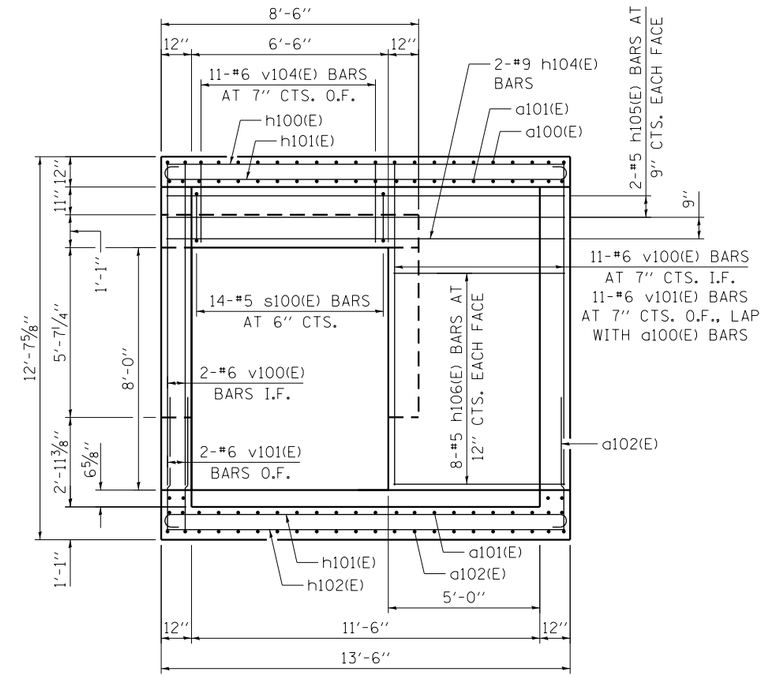
FILE PATH = pw:\\61747 9-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\002.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-sht-Drain-Detail-01.dgn



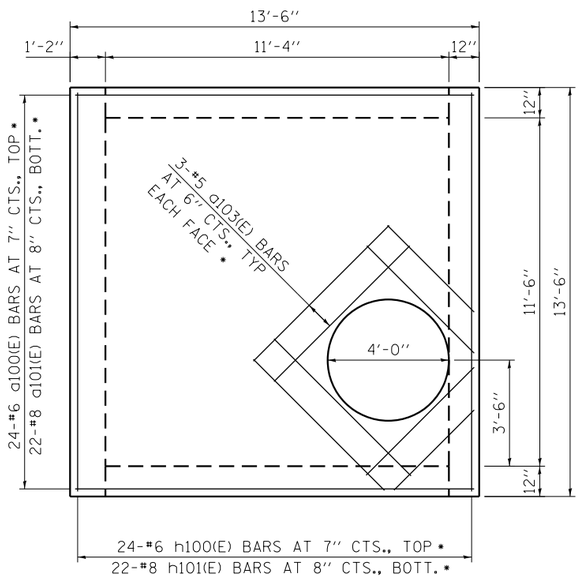

ELEVATION - WEST SIDEWALL



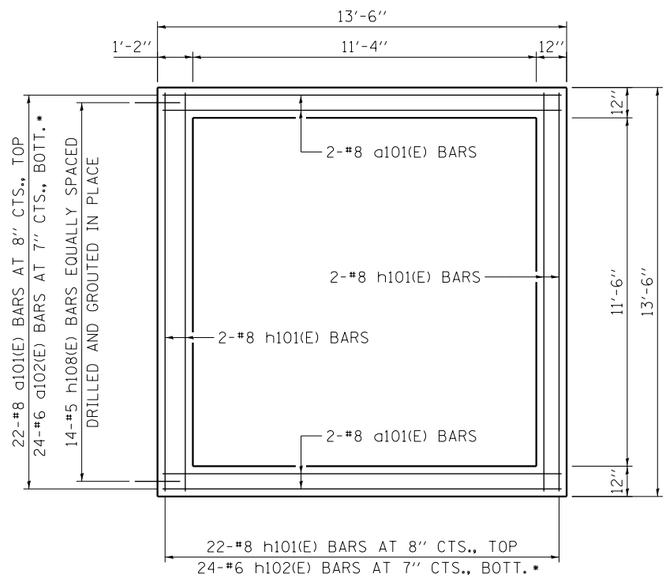

ELEVATION - EAST SIDEWALL



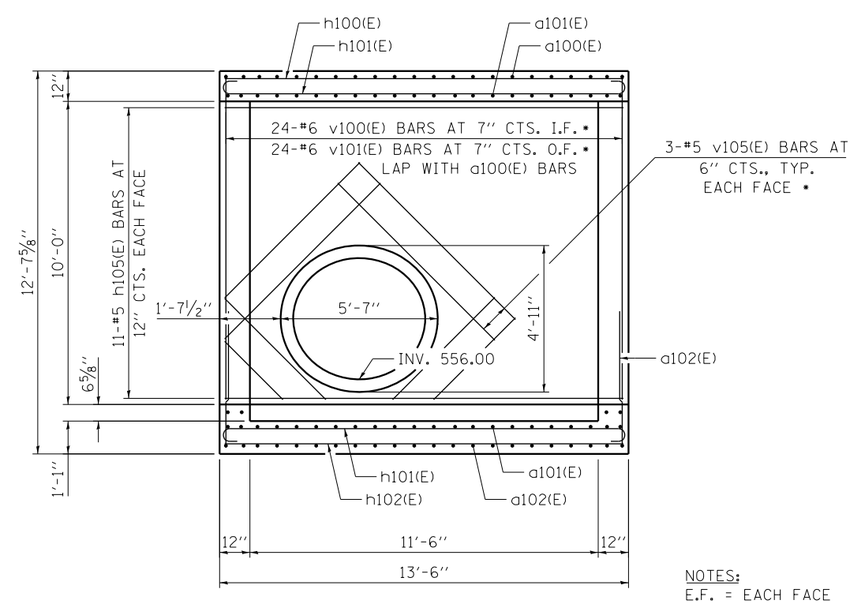

ELEVATION - SOUTH SIDEWALL




PLAN - TOP SLAB




PLAN - BOTTOM SLAB




ELEVATION - NORTH SIDEWALL

NOTES:
E.F. = EACH FACE
I.F. = INNER FACE
O.F. = OUTER FACE
MIN. LAP #6 = 2'-11"
* CUT TO FIT.

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02-NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\002.CAD\006.Roadway\Sheets\60X79.Contract\D160X79-sht-Drain-Detail-02.dgn

TranSystems

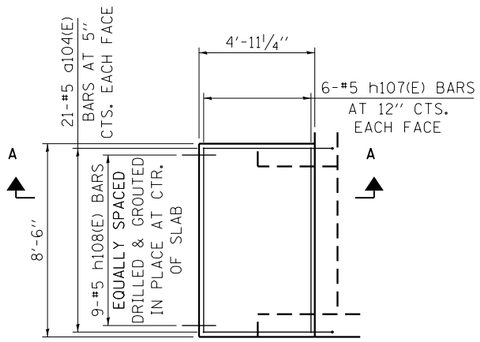
| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Detail-02.dgn | DESIGNED - TJA | REVISED - | |
| USER NAME = mkwilson | DRAWN - TJA | REVISED - | |
| PLOT SCALE = 5.00 ' / in. | CHECKED - WJC | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

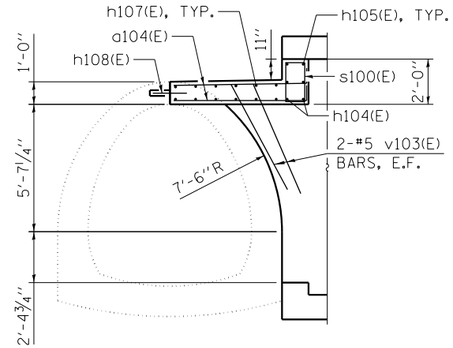
**DRAINAGE DETAILS**
**JUNCTION CHAMBER NO. 1**

SCALE: NONE | SHEET 2 OF 6 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 292 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |




OVERHANG SLAB PLAN




SECTION A-A

## PROPOSED SEQUENCE OF CONSTRUCTION

THE SEQUENCE OF CONSTRUCTION MUST ENSURE THAT SEWER FLOWS WILL BE UNINTERRUPTED DURING THE CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DEVELOPING THE SEQUENCE OF CONSTRUCTION FOR THE WORK. THE FOLLOWING SEQUENCE OF CONSTRUCTION WAS DEVELOPED AS ONE OPTION AND IS THE BASIS FOR THE BYPASS PIPING AND STRUCTURES AS SHOWN IN THE PLANS. OTHER CONSTRUCTION SEQUENCES WILL BE CONSIDERED.

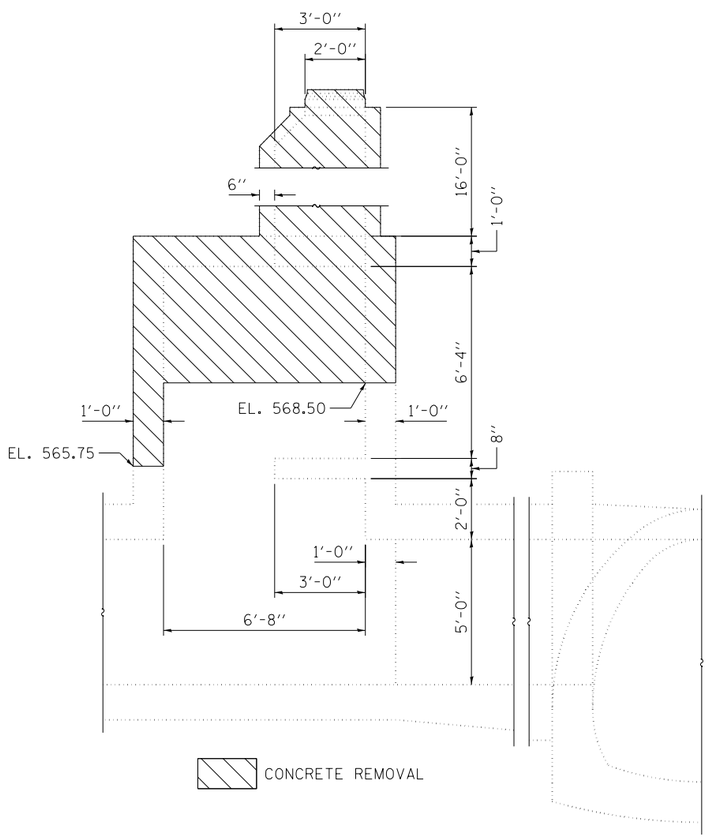
1. INSTALL TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) AROUND EXISTING CHAMBER AND PROPOSED JUNCTION CHAMBER NO. 1 LOCATION. EXCAVATE AND EXPOSE EXISTING CHAMBER, MAIN DRAIN, AND DROP STRUCTURE.
2. REMOVE FRAME AND LID, RISER, AND INDICATED PORTION OF EXISTING CHAMBER.
3. CONSTRUCT PROPOSED CHAMBER WALL AND SLAB. INSTALL 24" STORM SEWER PIPE P4-05.
4. REMOVE TOP OF EXISTING DROP STRUCTURE AND INSTALL TEMPORARY 36" HDPE BYPASS PIPE FROM 36" STORM SEWER TO THE NORTH INTO EXISTING 7'-2⅜" W X 8"-0" H MAIN DRAIN.
5. REMOVE REMAINDER OF DROP STRUCTURE AND CONSTRUCT PROPOSED JUNCTION CHAMBER NO. 1 AROUND TEMPORARY 36" HDPE BYPASS PIPE. BULKHEAD WEST OPENING IN JUNCTION CHAMBER NO. 1 TO 78" STORM SEWER.
6. INSTALL 48" STORM SEWER PIPE P4-11 TO PR MANHOLE S4-11, WHILE REMOVING EXISTING 36" STORM SEWER AND 36" HDPE BYPASS PIPE.
7. FLOW IS ESTABLISHED THROUGH JUNCTION CHAMBER NO. 1 AND 48" STORM SEWER PIPE P4-11.
8. REMOVE UPPER PORTION OF EXISTING CHAMBER AND INSTALL PROPOSED CHAMBER SLAB.
9. REMOVE BULKHEAD AND CONNECT 78" STORM SEWER PIPE P4-13.
10. BACKFILL AND REMOVE TEMPORARY SOIL RETENTION SYSTEM (SPECIAL).

NOTES:

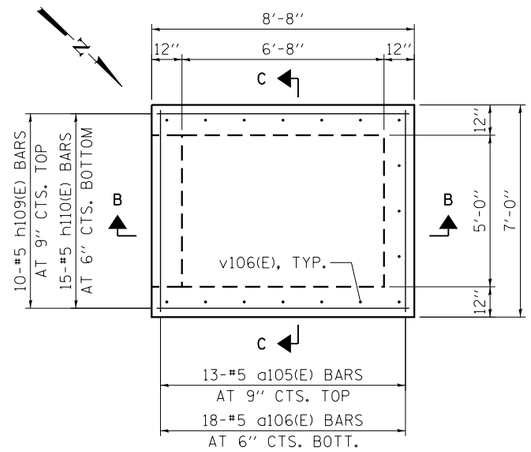
1. A PRECAST REINFORCED CONCRETE ALTERNATE SHALL BE ALLOWED FOR THIS STRUCTURE. SHOP PLANS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER ACCORDING TO THE APPLICLABLE REQUIREMENTS OF ARTICLE 504 OF THE STANDARD SPECIFICATIONS.
2. ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR JUNCTION CHAMBER NO. 1.
3. STATION, OFFSET AND RIM ELEVATION PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.
4. THE COST OF DRILLING AND GROUTING REINFORCEMENT IN PLACE SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE FOR JUNCTION CHAMBER NO. 1.

## BILL OF MATERIAL

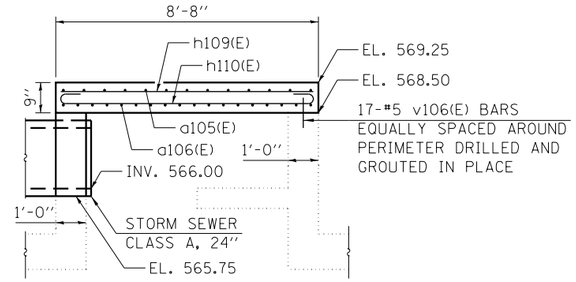
| BAR | NO. | SIZE | LENGTH | SHAPE |
|---|---|---|---|---|
| a105(E) | 13 | #5 | 6'-8" | |
| a106(E) | 18 | #5 | 7'-10" | |
| | | | | |
| h109(E) | 10 | #5 | 8'-4" | |
| h110(E) | 15 | #5 | 9'-6" | |
| | | | | |
| v106(E) | 17 | #5 | 1'-0" | |
| v107(E) | 16 | #5 | 2'-2" | |
| | | | | |
| CONCRETE REMOVAL | | | CU YD | 14 |
| STRUCTURE EXCAVATION | | | CU YD | 949 |
| CONCRETE STRUCTURES | | | CU YD | 2.1 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 530 |
| SLOPE INCLINOMETER | | | EACH | 1 |
| TEMPORARY SOIL RETENTION SYSTEM (SPECIAL) | | | SQ FT | 3,040 |
| JUNCTION CHAMBER NO. 1 | | | EACH | 1 |



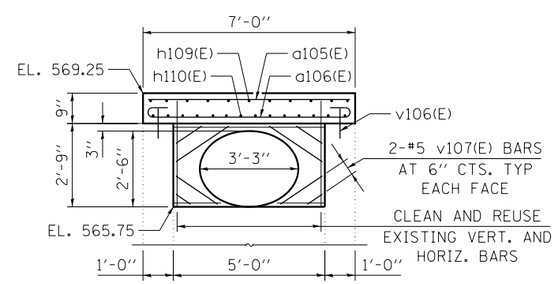

EXISTING CHAMBER REMOVAL




PROPOSED CHAMBER SLAB




SECTION B-B

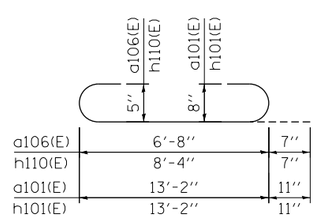



SECTION C-C

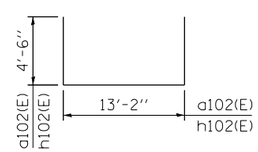
## JUNCTION CHAMBER NO. 1 BILL OF MATERIAL

(FOR REFERENCE ONLY)

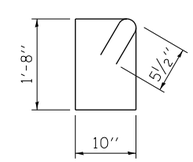
| BAR | NO. | SIZE | LENGTH | SHAPE |
|---|---|---|---|---|
| a100(E) | 24 | #6 | 13'-2" | |
| a101(E) | 48 | #8 | 15'-0" | |
| a102(E) | 24 | #6 | 22'-2" | |
| a103(E) | 24 | #5 | 6'-4" | |
| a104(E) | 42 | #5 | 6'-5" | |
| | | | | |
| h100(E) | 24 | #6 | 13'-2" | |
| h101(E) | 48 | #8 | 15'-0" | |
| h102(E) | 24 | #6 | 22'-2" | |
| h103(E) | 44 | #5 | 11'-0" | |
| h104(E) | 2 | #9 | 13'-2" | |
| h105(E) | 26 | #5 | 13'-2" | |
| h106(E) | 16 | #5 | 5'-8" | |
| h107(E) | 12 | #5 | 8'-2" | |
| h108(E) | 23 | #5 | 1'-6" | |
| | | | | |
| s100(E) | 14 | #5 | 5'-11" | |
| | | | | |
| v100(E) | 77 | #6 | 9'-8" | |
| v101(E) | 77 | #6 | 13'-7" | |
| v102(E) | 24 | #5 | 9'-7" | |
| v103(E) | 8 | #5 | 5'-3" | |
| v104(E) | 11 | #6 | 5'-7" | |
| v105(E) | 24 | #5 | 7'-4" | |
| | | | | |
| CONCRETE STRUCTURES | | | CU YD | 31.1 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 11,360 |
| FRAMES AND LIDS, TYPE 1, CLOSED LID | | | EACH | 1 |
| PRECAST CONCRETE RISER | | | EACH | 1 |



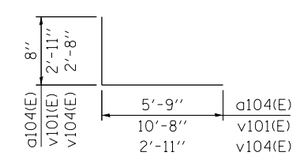

BARS a101(E), a106(E) h101(E) AND h110(E)




BARS a102(E) AND h102(E)




BAR s100(E)




BARS a104(E), v101(E), AND v104(E)

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-sht-Drain-Detail-03.dgn

TranSystems

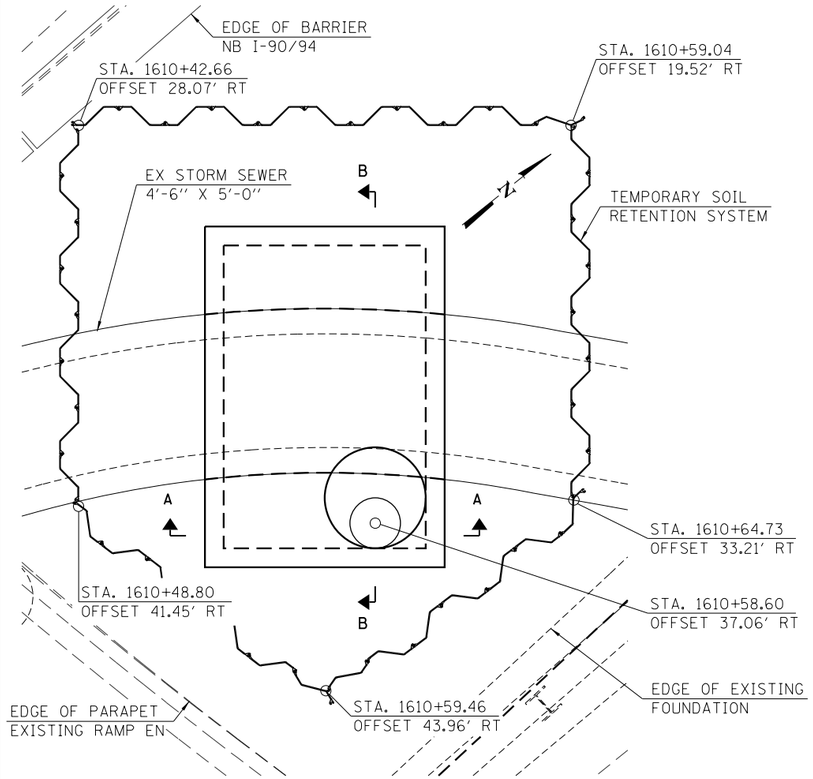
| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Detail-03.dgn | DESIGNED - TJA | REVISED - | |
| USER NAME = mkwilson | DRAWN - TJA | REVISED - | |
| PLOT SCALE = 50 ':' / in. | CHECKED - WJC | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS
JUNCTION CHAMBER NO. 1

SCALE: NONE | SHEET 3 OF 6 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 293 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |



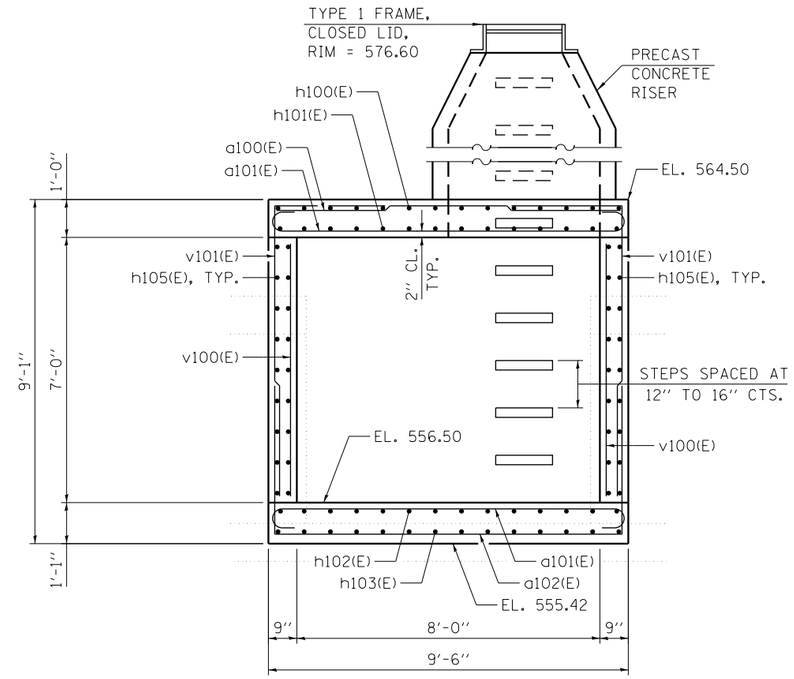

PLAN

JUNCTION CHAMBER NO. 2

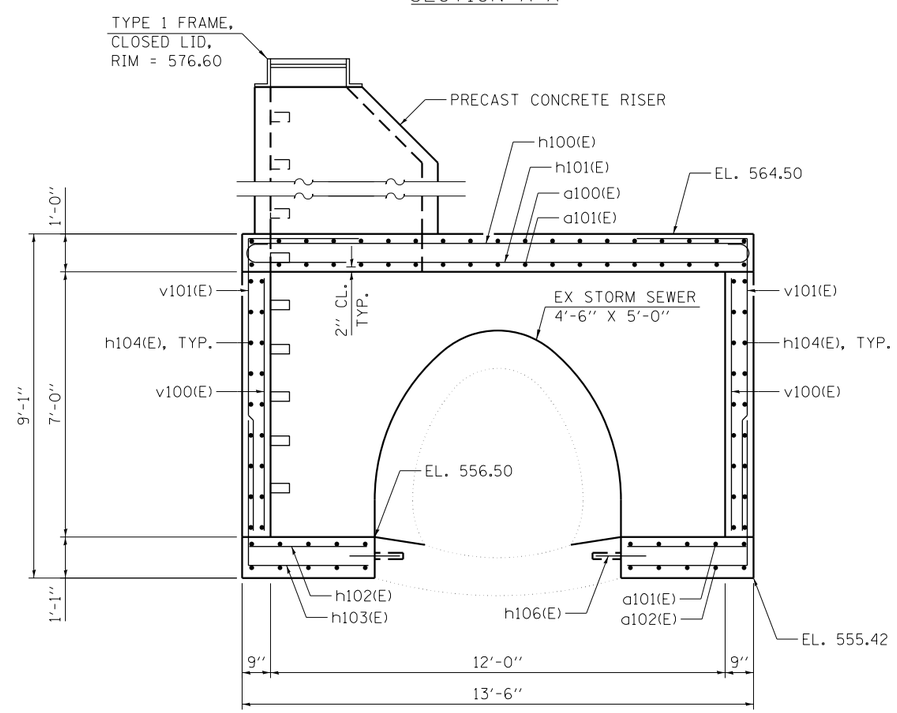
NOTES:

1. A CANTILEVERED SHEET PILING DESIGN DOES NOT APPEAR FEASIBLE AND ADDITIONAL MEMBERS OR OTHER RETENTION SYSTEMS MAY BE NECESSARY. THE CONTRACTOR SHALL SUBMIT A TEMPORARY SOIL RETENTION SYSTEM DESIGN INCLUDING PLAN DETAILS AND CALCULATIONS FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.

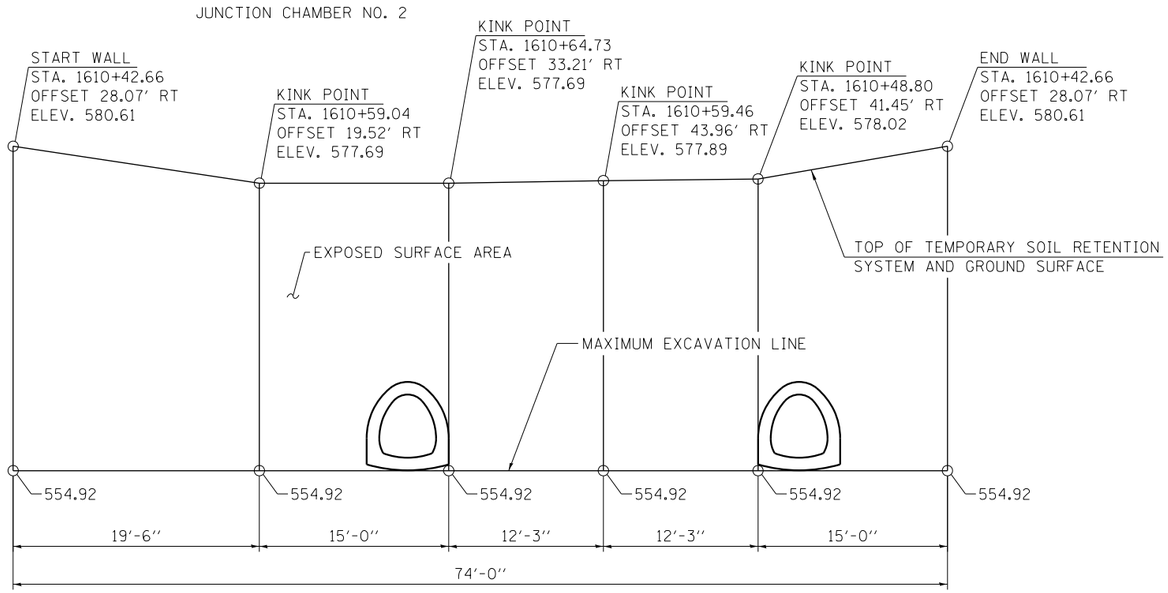
2. STATIONS AND OFFSETS ARE TAKEN ALONG ℄ RAMP EN.




SECTION A-A




SECTION B-B




TEMPORARY SOIL RETENTION SYSTEM

MEASURED ALONG FRONT FACE OF WALL

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79.Contract\DI60X79-sht-Drain-Detail-04.dgn

TranSystems

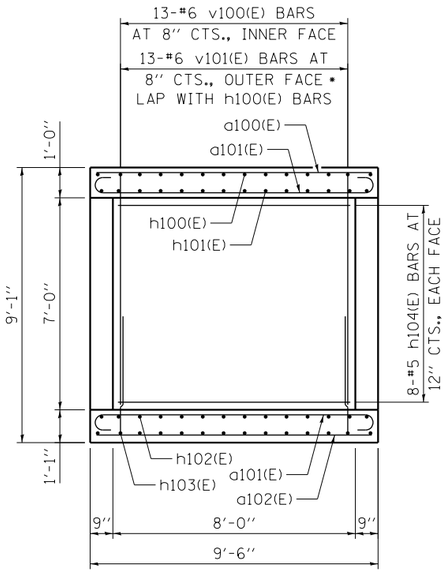
| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Detail-04.dgn | DESIGNED - TJA | REVISED - | |
| USER NAME = mkwilson | DRAWN - TJA | REVISED - | |
| PLOT SCALE = 6.0000 ' / in. | CHECKED - JM | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

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

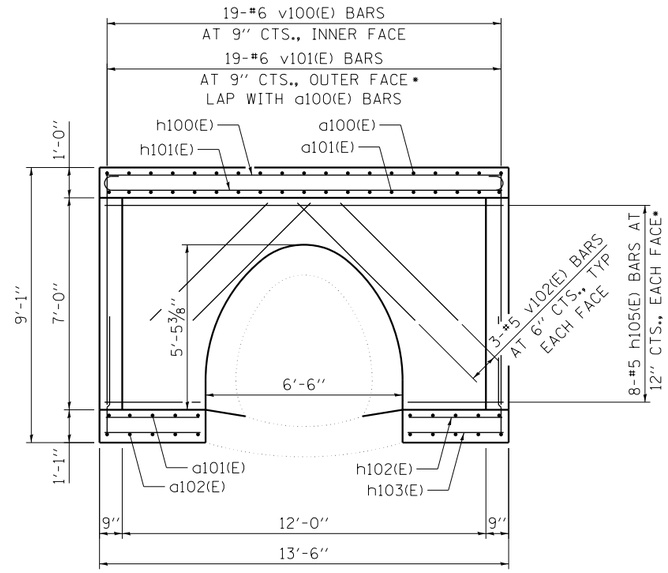
**DRAINAGE DETAILS**
**JUNCTION CHAMBER NO. 2**

SCALE: NONE | SHEET 4 OF 6 SHEETS | STA. TO STA.

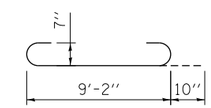
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 294 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |



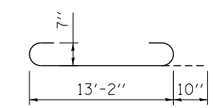

ELEVATION - EAST AND WEST SIDEWALLS



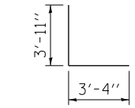

ELEVATION - NORTH AND SOUTH SIDEWALLS



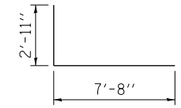

BARS a101(E)



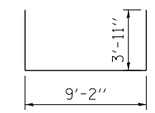

BARS h101(E)




BARS h103(E)




BARS v101(E)




BARS a102(E)

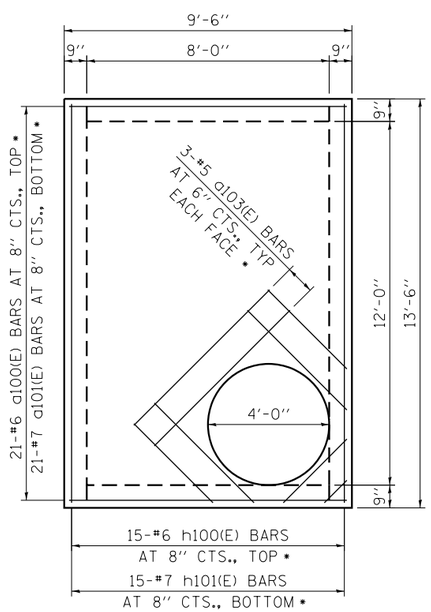
## BILL OF MATERIAL

| ITEM | LENGTH | SHAPE |
|---|---|---|
| CONCRETE REMOVAL | CU YD | 4 |
| STRUCTURE EXCAVATION | CU YD | 317 |
| TEMPORARY SOIL RETENTION SYSTEM | SQ FT | 1,743 |
| JUNCTION CHAMBER NO. 2 | EACH | 1 |

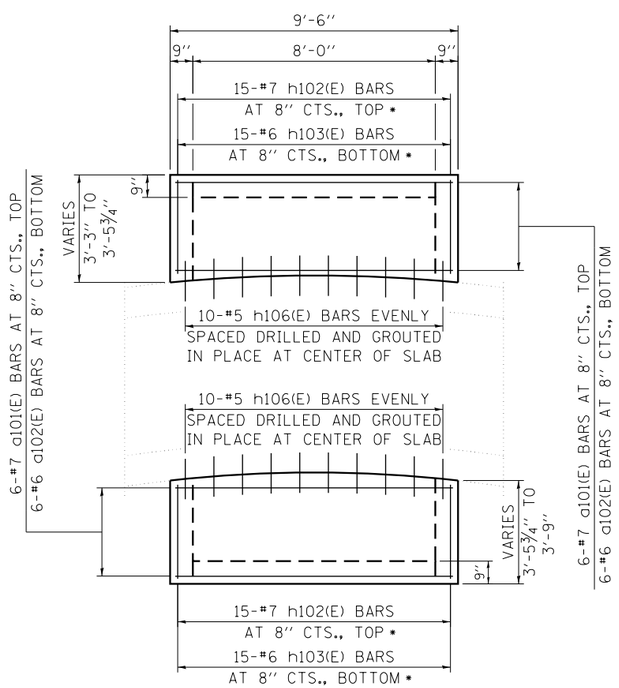
## JUNCTION CHAMBER NO. 2 BILL OF MATERIAL

(FOR REFERENCE ONLY)

| BAR | NO. | SIZE | LENGTH | SHAPE |
|---|---|---|---|---|
| a100(E) | 21 | #6 | 9'-2'' | |
| a101(E) | 33 | #7 | 10'-10'' | |
| a102(E) | 12 | #6 | 17'-0'' | |
| a103(E) | 24 | #5 | 6'-4'' | |
| | | | | |
| h100(E) | 15 | #6 | 13'-2'' | |
| h101(E) | 15 | #7 | 14'-10'' | |
| h102(E) | 30 | #7 | 3'-4'' | |
| h103(E) | 30 | #6 | 7'-3'' | |
| h104(E) | 32 | #5 | 7'-8'' | |
| h105(E) | 32 | #5 | 13'-2'' | |
| h106(E) | 20 | #5 | 1'-6'' | |
| | | | | |
| v100(E) | 64 | #6 | 6'-8'' | |
| v101(E) | 64 | #6 | 10'-7'' | |
| v102(E) | 12 | #5 | 5'-6'' | |
| | | | | |
| CONCRETE STRUCTURES | | | CU YD | 13.8 |
| REINFORCEMENT BARS, EPOXY COATED | | | POUND | 5,230 |
| FRAMES AND LIDS, TYPE 1, CLOSED LID | | | EACH | 1 |
| PRECAST CONCRETE RISER | | | EACH | 1 |




PLAN - TOP SLAB




PLAN - BOTTOM SLAB

NOTES:

1. A PRECAST REINFORCED CONCRETE ALTERNATE SHALL BE ALLOWED FOR THIS STRUCTURE. SHOP PLANS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER ACCORDING TO THE APPLICLABLE REQUIREMENTS OF ARTICLE 504 OF THE STANDARD SPECIFICATIONS.

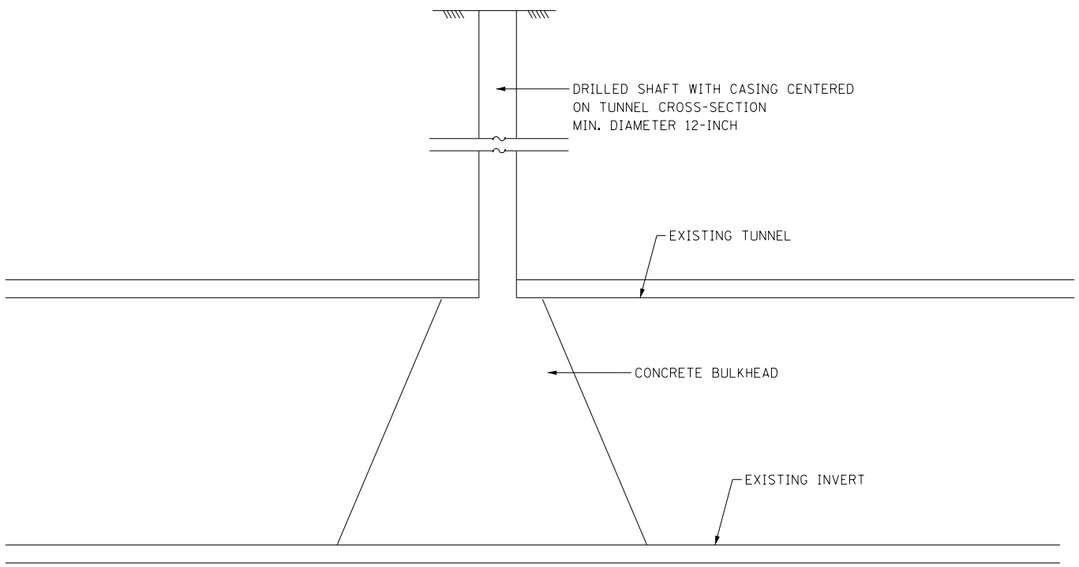
2. ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR JUNCTION CHAMBER NO. 2.

3. STATION, OFFSET AND RIM ELEVATION PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.

4. THE COST OF DRILLING AND GROUTING REINFORCEMENT IN PLACE SHALL BE INCLUDED WITH THE CONTRACT UNIT PRICE FOR JUNCTION CHAMBER NO. 2.

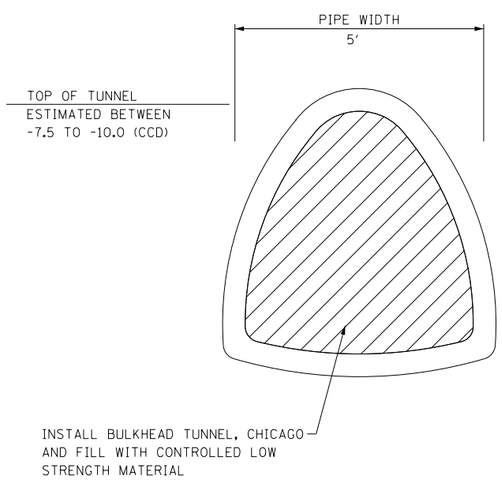
5. MIN. LAP #6 = 2'-11''.

6. * = CUT TO FIT.




TYPICAL SECTION

**PROPOSED BULKHEAD TUNNEL, CHICAGO**




TYPICAL SECTION

**EXISTING CTA WATER TUNNEL (SHAPE ESTIMATED)**

SCHEDULE OF QUANTITIES

| ITEM | UNIT | QUANTITY |
|---|---|---|
| LOCATE TUNNEL, CHICAGO | EACH | 2 |
| BULKHEAD TUNNEL, CHICAGO | EACH | 4 |
| CONTROLLED LOW STRENGTH MATERIAL | CU YD | 40 |
| | | |

TUNNEL NOTES:

1. THE WATER TUNNEL SHOWN IS FROM IDOT RECORD DRAWINGS FOR ROADWAY AND BRIDGE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY LOCATE THE CROWN OF THE WATER TUNNELS USING PROBE BORINGS AS DESCRIBED IN THE SPECIFICATIONS. THIS WORK IS INCLUDED IN THE ITEM LOCATE TUNNEL. THE METHOD OF LOCATING THE TUNNEL IS BASED UPON CDWM REQUIREMENTS FOR LOCATING TUNNELS.

2. THE EXISTING WATER TUNNEL IS ABANDONED WITH PREVIOUS BULKHEADS CONSTRUCTED. THE TUNNEL IS EXPECTED TO HAVE NOMINAL AMOUNTS OF WATER DUE TO INFILTRATION, WHICH MAY CONTRIBUTE TO SIGNIFICANT FLOWS DEPENDING ON GROUNDWATER CONDITIONS.

3. THE CONTRACTOR SHALL PROVIDE DEWATERING AS NEEDED IN THE EXISTING WATER TUNNEL. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TUNNEL BULKHEAD, CHICAGO OR CONTROLLED LOW STRENGTH MATERIAL.

4. OBTAIN TWO CORE SAMPLES PER BULKHEAD, ONE (1) AT THE 10 AND ONE (1) AT THE 4 O'CLOCK POSITIONS OR ONE (1) AT THE 2 AND ONE (1) AT THE 8 O'CLOCK POSITIONS FOR COMPRESSION STRENGTH TESTING.

5. AFTER THE INSPECTION OF ALL BULKHEADS, THE TUNNEL MUST BE FILLED. THE FILLED TUNNEL WILL ALLOW WALL CONSTRUCTION TO PROCEED IN THIS AND LATER CONSTRUCTION CONTRACTS. THE TUNNEL WILL BE FILLED WITH CONCRETE MEETING THE REQUIREMENTS OF CONTROLLED LOW STRENGTH MATERIAL WITH THE FOLLOWING ADDITIONAL INSTALLATION REQUIREMENTS:

   A. INSTALLATION OF GROUT OR CLSM SHALL NOT TAKE PLACE UNTIL THE CONCRETE STRENGTH OF THE BULKHEAD ACHIEVES 2,000 PSI IN 2-3 DAYS AFTER PLACEMENT. CONCRETE CYLINDERS SHALL BE CAST AND BROKEN TO VERIFY THE BULKHEAD CONCRETE COMPRESSIVE STRENGTH. SUBMIT THE TEST RESULTS TO THE ENGINEER FOR APPROVAL.

   B. CONTROLLED LOW STRENGTH MATERIAL SHALL BE PLACED BY PUMPING METHODS CONFORMING TO THE REQUIREMENTS OF SECTION 503.07 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE PLACEMENT TUBE SHALL BE NO LESS THAN SIX INCHES IN DIAMETER. THE PUMPING METHODS MUST BE APPROVED BY THE ENGINEER PRIOR TO THE START OF MATERIAL PLACEMENT.

   C. THE GROUT/VENT HOLES REQUIRED TO FACILITATE THE PLACEMENT OF CONCRETE WITHIN THE TUNNELS SHALL BE DRILLED THROUGH THE TOP OF THE ABANDONED WATER TUNNEL AND SHALL BE NO MORE TWELVE INCHES IN DIAMETER. THE CONTRACTOR SHALL DRILL THE GROUT HOLES IN ADVANCE OF THE START OF THE GROUTING OPERATION. AT LOCATIONS WHERE GROUT/VENT HOLES ARE INSTALLED WITHIN PAVEMENT AREAS, THE CONTRACTOR SHALL PROVIDE TEMPORARY PLUGS CAPABLE OF SUPPORTING TRUCK LOADS OVER THE OPENINGS UNTIL THE GROUTING WORK COMMENCES. THE METHOD OF TEMPORARY PLUGGING THE GROUT HOLES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL, PRIOR TO DRILLING. DRILLING OF VENT/GROUT HOLES TO FACILITATE THE PLACEMENT OF CONCRETE WILL BE INCLUDED IN THE COST OF CONTROLLED LOW STRENGTH MATERIAL.

   D. ANY WATER REMAINING IN THE TUNNEL AFTER ALL BULKHEADS ARE IN PLACE MUST BE REMOVED PRIOR TO THE PLACEMENT OF CLSM.

   E. THE WATER TUNNEL FILLING SHALL BE PERFORMED IN FOUR (4) LIFTS. THE FOURTH LIFT INTO THE DRILLED ACCESS HOLE SHALL EXTEND A MINIMUM OF 10 FEET ABOVE THE TOP OF THE EXISTING CROWN OF THE WATER TUNNEL. THE CONTRACTOR SHALL LET THE CLSM SET A MINIMUM 24-HOUR PERIOD BETWEEN LIFTS. THE MINIMUM STRENGTH OF THE CLSM SHALL NOT BE LESS THAN 125 PSI.

   F. THE CLSM SHALL HAVE A MINIMUM SPREAD DIAMETER OF 20-INCHES USING AN INVERTED SLUMP CONE, APPROVED BY THE ENGINEER.

   G. THE CONTRACTOR MAY INSTALL AND UTILIZE FILL/VENT PIPE(S) TO FILL THE WATER TUNNEL. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE EXISTING TUNNEL INVERTS. THE CONTRACTOR SHALL ENSURE THE FILL/VENT PIPE(S) ARE SPACED SUCH THAT THE CLSM OR GROUT IS EQUALLY DISTRIBUTED BY GRAVITY FLOW WITHIN THE WATER TUNNEL.

   H. BACKFILL THE BALANCE OF THE DRILLED SHAFTS WITH SAND, A MINIMUM OF 72-HOURS AFTER THE PLACEMENT OF THE GROUT OR CLSM.

   I. AT THE COMPLETION OF THE TUNNEL FILLING, CORES ARE REQUIRED TO BE TAKEN AT THE 1/4 POINTS ALONG THE TUNNEL TO INSURE THE TUNNEL IS COMPLETELY FILLED WITH CONCRETE. THE CORES MUST EXTEND TO THE INVERT OF THE TUNNEL. THE AMOUNT OF CONCRETE PLACED BETWEEN THE BULKHEADS AND THE CALCULATED AMOUNT OF CONCRETE NEEDED TO FILL THE TUNNEL, AND THE CORING DATA, MUST BE SUBMITTED IN A LETTER TO THE ENGINEER WITHIN ONE WEEK OF COMPLETING FILLING THE TUNNEL.

6. AFTER COMPLETION OF THE GROUTING OPERATIONS, THE CONTRACTOR SHALL RESTORE ANY DAMAGED PARKWAY, PAVEMENT OR SIDEWALK TO ITS CONDITION PRIOR TO THE START OF OPERATIONS. ALL EXCESS GROUT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

# BORING LOG 1703-B-04

**WEI Job No.: 1100-04-01**

Wang Engineering
wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 584.72 ft
North: 1898071.44 ft
East: 1171813.94 ft
Station: 1104+42.63
Offset: 42.6570 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 584.4 | 3-inch thick CRUSHED STONE --FILL-- | | | | | | |
| | Very stiff, dark brown and gray SILTY CLAY LOAM, trace gravel, brick and glass fragments --FILL-- | | | 1 | 5 11 15 | 2.25 P | 26 |
| | | 5 | | 2 | 3 7 9 | 2.75 P | 16 |
| 579.2 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | 3 | 2 3 4 | 0.66 B | 19 |
| | --$L_L$(%)=29, $P_I$(%)=16-- --%Gravel=3.8-- --%Sand=16.9-- --%Silt=54.2-- --%Clay=25.1-- --A-6(8)-- | 10 | | 4 | 2 2 3 | 0.57 B | 21 |
| | | | | 5 | 0 1 3 | 0.49 B | 24 |
| | | 15 | | 6 | 0 2 2 | 0.44 B | 23 |
| | | | | 7 | 0 2 2 | 0.41 B | 25 |
| | | 20 | | 8 | 0 0 0 | 0.41 B | 25 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | | | 9 | 0 1 2 | 0.25 B | 26 |
| | | 25 | | 10 | 0 0 2 | 0.25 B | 26 |
| | | | | 11 | 0 0 1 | 0.25 B | 27 |
| | | 30 | | 12 | 0 0 2 | 0.33 B | 26 |
| | | 35 | | 13 | 0 2 2 | 0.16 B | 25 |
| | --$L_L$(%)=36, $P_I$(%)=18-- --%Gravel=1.8-- --%Sand=10.7-- | 40 | | 14 | 0 1 2 | 0.33 B | 28 |

**GENERAL NOTES**

Begin Drilling: 10-10-2013 Complete Drilling: 10-17-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&R Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 74.00 ft
At Completion of Drilling: 91.25 ft
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG 1703-B-04

**WEI Job No.: 1100-04-01**

Wang Engineering
wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 584.72 ft
North: 1898071.44 ft
East: 1171813.94 ft
Station: 1104+42.63
Offset: 42.6570 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --%Silt=50.0-- --%Clay=37.5-- --A-6(15)-- | | | | | | |
| | | 45 | | 15 | 3 4 4 | 0.66 B | 20 |
| 538.0 | Very stiff, gray SILTY CLAY, trace gravel | | | | | | |
| | --$L_L$(%)=27, $P_I$(%)=16-- --%Gravel=6.1-- --%Sand=20.1-- --%Silt=50.9-- --%Clay=22.9-- --A-6(6)-- | 50 | | 16 | 4 7 11 | 3.53 B | 23 |
| 533.0 | Dense, gray SANDY LOAM, trace gravel | | | | | | |
| 530.5 | Hard, gray SILTY LOAM, trace gravel | 55 | | 17 | 11 14 26 | NP | 12 |
| | | 60 | | 18 | 18 15 22 | 5.49 S | 13 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --$L_L$(%)=23, $P_I$(%)=16-- --%Gravel=7.7-- --%Sand=23.1-- --%Silt=55.2-- --%Clay=14.0-- --A-4(2)-- | 65 | | 19 | 15 25 35 | 8.61 S | 12 |
| | | 70 | | 20 | 14 19 25 | 8.45 S | 14 |
| 510.7 | Very dense, gray SILTY LOAM, trace gravel --Saturated-- | 75 | | 21 | 18 36 50/5 | NP | 20 |
| 508.0 | Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel | | | | | | |
| | | 80 | | 22 | 34 50/6 | 7.95 S | 11 |

**GENERAL NOTES**

Begin Drilling: 10-10-2013 Complete Drilling: 10-17-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&R Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

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Time After Drilling: NA
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The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG 1703-B-04

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Telephone: 630-953-9928
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Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 584.72 ft
North: 1898071.44 ft
East: 1171813.94 ft
Station: 1104+42.63
Offset: 42.6570 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | 85 | | 23 | 50/6 | > 4.50 P | |
| | --HARD DRILLING-- --Possible Cobbles-- | 90 | | 24 | 28 50/5 | 3.69 S | 17 |
| 493.5 | Very dense, gray GRAVELLY SAND --Saturated-- | | | 25 | 50/6 | NP | 10 |
| | | 100 | | 26 | 19 50/6 | NP | 10 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | 105 | | 27 | 21 50/3 | NP | 14 |
| 478.7 | Strong, light gray, poor to excellent rock mass quality, bedded fresh DOLOSTONE, up to 30-inch beds, 17-inch spaced joints, horizontal joints with less than 0.2-inch infilling, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity. --Run 1 - RECOVERY=88%-- --RQD=26%-- 109.5ft-Qu=10990 psi ---> --Run 2 - RECOVERY=99%-- --RQD=92%-- 113.0ft-Qu=9060 psi ---> | 110 | | 1 | CORE | | |
| | | 115 | | 2 | CORE | | |
| 466.7 | Boring terminated at 118.00 ft | 120 | | | | | |

**GENERAL NOTES**

Begin Drilling: 10-10-2013 Complete Drilling: 10-17-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&R Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring backfilled upon completion

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Time After Drilling: NA
Depth to Water: NA
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WANGENG INC. 1100040.GPJ WANGENG.GDT 9/5/18

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TranSystems

| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 1 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296A |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

Wang Engineering
wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

# BORING LOG 1703-PZ-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 582.49 ft
North: 1898127.96 ft
East: 1171807.47 ft
Station: 1104+74.81
Offset: 3.30157 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | --Drilled without sampling-- | 5, 10, 15, 20 | | | | | |

Piezometer Data:
*--Installed in Nov. 12, 2014*
*--Bentonite Seal 70 to 72 feet*
*--Top of Sand Pack at 72 feet*
*--Top of Screen at 75.3 feet*
*--Screen Length 20 feet*
*--Bottom of Screen at 95.3 feet*

--piezometer stabilized water level reading --
--reading during well development (11/20/2014) = 32.00 feet bgs--
--reading date: 12/05/2014 = 31.10 feet bgs--

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | | 25, 30, 35, 40 | | | | | |

**GENERAL NOTES**

Begin Drilling: 11-10-2014 Complete Drilling: 11-12-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: S. Woods Checked by: C. Marin
Drilling Method: 4.25" HSA, monitoring water well

**WATER LEVEL DATA**

While Drilling: 78.00 ft
At Completion of Drilling: NA
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1703-PZ-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 582.49 ft
North: 1898127.96 ft
East: 1171807.47 ft
Station: 1104+74.81
Offset: 3.30157 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | | 45, 50, 55, 60 | | | | | |

Piezometer Data:
*--Installed in Nov. 12, 2014*
*--Bentonite Seal 70 to 72 feet*
*--Top of Sand Pack at 72 feet*
*--Top of Screen at 75.3 feet*
*--Screen Length 20 feet*
*--Bottom of Screen at 95.3 feet*

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | | 65, 70, 75, 80 | | | | | |

**GENERAL NOTES**

Begin Drilling: 11-10-2014 Complete Drilling: 11-12-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: S. Woods Checked by: C. Marin
Drilling Method: 4.25" HSA, monitoring water well

**WATER LEVEL DATA**

While Drilling: 78.00 ft
At Completion of Drilling: NA
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1703-PZ-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 582.49 ft
North: 1898127.96 ft
East: 1171807.47 ft
Station: 1104+74.81
Offset: 3.30157 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | Very dense, gray SILTY LOAM, trace gravel --Dry-- | 90 | | 1 | 40 42 ~~180~~ | NP | 13 |
| | | | 95 | | 2 | 10 23 ~~50/3~~ | NP | 20 |
| | | --Dolostone fragments-- | 482.5 | | 3 | 15 ~~50/2~~ | NP | 14 |
| | | Boring terminated at 100.00 ft | 100 | | | | | |

**GENERAL NOTES**

Begin Drilling: 11-10-2014 Complete Drilling: 11-12-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: S. Woods Checked by: C. Marin
Drilling Method: 4.25" HSA, monitoring water well

**WATER LEVEL DATA**

While Drilling: 78.00 ft
At Completion of Drilling: NA
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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# BORING LOG 1706-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 573.51 ft
North: 1898279.12 ft
East: 1171636.73 ft
Station: 1214+88.11
Offset: 8.0782 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | 16-inch thick ASPHALT \--PAVEMENT-- | | | | | | |
| 572.2 | Medium dense, white and gray CRUSHED STONE --BASE COURSE-- | | | 1 | 6 12 13 | NP | |
| 570.3 | Very stiff, gray SILTY CLAY LOAM, trace gravel | 5 | | 2 | 2 4 4 | 3.28 B | 19 |
| 568.0 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | 3 | 1 1 1 | 0.41 B | 16 |
| | | 10 | | 4 | 0 0 2 | 0.41 B | 27 |
| | | | | 5 | 0 1 1 | 0.41 B | 27 |
| | | 15 | | 6 | 0 1 1 | 0.25 B | 26 |
| | | | | 7 | 0 1 1 | 0.41 B | 25 |
| | --$L_L$(%)=34, $P_I$(%)=17-- --%Gravel=4.2-- --%Sand=15.6-- | 20 | | 8 | 0 0 1 | 0.41 B | 24 |
| | --%Silt=49.0-- --%Clay=31.3-- --A-6 (12)-- | | | 9 | 0 0 1 | 0.49 B | 25 |
| | | 25 | | 10 | 0 1 2 | < 0.25 P | 27 |
| | | | | 11 | 1 2 3 | < 0.25 P | 24 |
| | | 30 | | 12 | 2 2 3 | 0.82 B | 25 |
| 541.8 | Stiff to hard, gray SILTY CLAY, trace gravel | 35 | | 13 | 7 6 7 | 1.23 B | 18 |
| | | 40 | | 14 | 4 7 8 | 3.03 B | 20 |

**GENERAL NOTES**

Begin Drilling: 03-27-2014 Complete Drilling: 03-31-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&J Logger: M. de los Reyes Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1706-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 573.51 ft
North: 1898279.12 ft
East: 1171636.73 ft
Station: 1214+88.11
Offset: 8.0782 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | 45 | | 15 | 4 6 18 | 2.87 B | 18 |
| 524.0 | Medium dense, gray SILT | 50 | | 16 | 5 15 13 | 4.10 B | 16 |
| | --Wet-- | 55 | | 17 | 7 7 8 | NP | 23 |
| 516.8 | Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel | 60 | | 18 | 15 20 27 | 6.97 S | 13 |
| | | 65 | | 19 | 15 20 27 | 9.02 S | 16 |
| | | 70 | | 20 | 16 26 50/2 | 4.74 B | 13 |
| 501.8 | --HARD DRILLING-- --Possible Cobbles-- Very dense, gray GRAVELLY SANDY LOAM | 75 | | 21 | 50/2 | NP | |
| | --Wet-- | 80 | | 22 | 50/2 | NP | 13 |

**GENERAL NOTES**

Begin Drilling: 03-27-2014 Complete Drilling: 03-31-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&J Logger: M. de los Reyes Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1706-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 573.51 ft
North: 1898279.12 ft
East: 1171636.73 ft
Station: 1214+88.11
Offset: 8.0782 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --HARD DRILLING-- --Possible Cobbles-- | | | | | | |
| 491.8 | Very dense, gray SILT, trace CLAY lamination | | | | | | |
| | --DRY-- | 85 | | 23 | 20 33 28 | NP | 20 |
| | --DRY-- | | | | | | |
| 484.3 | Very dense, gray GRAVELLY SAND | 90 | | 24 | 17 50 43 | NP | 16 |
| | --Wet-- | | | | | | |
| 481.5 | Strong, light gray, good rock mass quality, bedded fresh DOLOSTONE, up to 12-inch beds, 9-inch joints spacing, horizontal and vertical joints with none to more than 0.2-inch infilling, up to 2-inch greenish gray argillaceous partings, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity. | 95 | CORE | 1 | | | |
| | --Run 1 - RECOVERY=100%-- --RQD=83%-- | | | | | | |
| | --Run 2 - RECOVERY=97%-- --RQD=92%-- | 100 | CORE | 2 | | | |
| 471.5 | Boring terminated at 102.00 ft | 105 | | | | | |
| | | 110 | | | | | |
| | | 115 | | | | | |
| | | 120 | | | | | |

**GENERAL NOTES**

Begin Drilling: 03-27-2014 Complete Drilling: 03-31-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&J Logger: M. de los Reyes Checked by: C. Marin
Drilling Method: 2.25" SSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 1100N49.GPJ WANGENG.GDT 9/5/18

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000.CAD\006.Roadway\Sheets\60X79-Cont\DI60X79-sht-Drain-Details-BoringLogs.dgn

TranSystems

| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 3 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296C |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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# BORING LOG 1715-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 578.98 ft
North: 1898224.57 ft
East: 1171745.64 ft
Station: 1105+89.73
Offset: 39.7965 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | 578.8 | 12-inch thick ASPHALT --PAVEMENT-- | | | | | | |
| | 578.0 | 10-inch thick CONCRETE --PAVEMENT-- | | | | | | |
| | 576.0 | Loose, light brown CRUSHED STONE --BASE COURSE-- | | | | | | |
| | | Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | 1 | 4 5 4 | NP | 10 |
| | | | 5 | | 2 | 0 1 2 | 0.82 B | 23 |
| | | | | | 3 | 2 2 3 | 0.41 B | 19 |
| | | | 10 | | 4 | 2 2 3 | 0.49 B | 22 |
| | | | | | 5 | 1 2 2 | 0.74 B | 20 |
| | | | 15 | | 6 | 0 1 2 | 0.33 B | 23 |
| | | | | | 7 | 1 1 2 | 0.33 B | 26 |
| | | | 20 | | 8 | 1 1 2 | 0.25 B | 26 |
| | | | 25 | | 9 | 0 1 2 | 0.25 B | 27 |
| | | | | | 10 | 1 1 2 | 0.50 N/6 | |
| | | | 30 | | 11 | 0 2 2 | 0.41 B | 26 |
| | | | | | 12 | 1 1 2 | 0.57 B | 26 |
| | | | 35 | | 13 | 2 2 2 | 0.33 B | 28 |
| | | | 40 | | 14 | 4 6 9 | 0.67 B | 18 |

**GENERAL NOTES**

Begin Drilling: 02-23-2014 Complete Drilling: 03-23-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: ▽ 3.00 ft
At Completion of Drilling: ▼ mud in the borehole
Time After Drilling: 24 hours
Depth to Water: ▼ 72.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1715-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 578.98 ft
North: 1898224.57 ft
East: 1171745.64 ft
Station: 1105+89.73
Offset: 39.7965 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | 537.2 | Very stiff, gray SILTY CLAY LOAM, trace gravel | | | | | | |
| | | | 45 | | 15 | 7 7 7 | 3.36 B | 22 |
| | | | 50 | | 16 | 6 10 12 | 2.54 B | 16 |
| | 527.2 | Dense, gray SILT --Wet-- | | | | | | |
| | | | 55 | | 17 | 14 16 18 | NP | 16 |
| | 522.2 | Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel | | | | | | |
| | | | 60 | | 18 | 18 24 27 | 8.19 S | 12 |
| | 507.2 | Very dense, gray SILTY LOAM, trace to some gravel --WET-- | | | | | | |
| | | | 65 | | 19 | 20 31 42 | 4.59 S | 14 |
| | | | 70 | | 20 | 20 60/4" | 5.74 S | 13 |
| | | | 75 | | 21 | 30 50/4" | NP | 10 |
| | | --HARD DRILLING-- --Possible Cobbles-- | 80 | | 22 | 50/5" | NP | 12 |

**GENERAL NOTES**

Begin Drilling: 02-23-2014 Complete Drilling: 03-23-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: ▽ 3.00 ft
At Completion of Drilling: ▼ mud in the borehole
Time After Drilling: 24 hours
Depth to Water: ▼ 72.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 1715-B-02

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 578.98 ft
North: 1898224.57 ft
East: 1171745.64 ft
Station: 1105+89.73
Offset: 39.7965 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | --HARD DRILLING-- --Possible Cobbles-- | 85 | | 23 | 50/5" | NP | |
| | | --HARD DRILLING-- --Possible Cobbles-- | 90 | | 24 | 50/5" | NP | 10 |
| | 488.0 | --VERY HARD, STEADY DRILLING-- --WEATHERED BEDROCK-- | | | | | | |
| | 486.0 | --ROLLER BIT REFUSAL-- Boring terminated at 93.00 ft | 95 | | | | | |
| | | | 100 | | | | | |

**GENERAL NOTES**

Begin Drilling: 02-23-2014 Complete Drilling: 03-23-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: ▽ 3.00 ft
At Completion of Drilling: ▼ mud in the borehole
Time After Drilling: 24 hours
Depth to Water: ▼ 72.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG INC 1100405.GPJ WANGENG.GDT 9/5/18

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# BORING LOG 1715-B-03

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Telephone: 630-953-9928
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**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 574.74 ft
North: 1898289.14 ft
East: 1171492.75 ft
Station: 1216+42.65
Offset: 33.3447 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | 14-inch thick ASPHALT --PAVEMENT-- | | | | | | |
| 573.5 | 24-inch thick CRUSHED STONE --BASE COURSE-- | | | | | | |
| 572.5 | Medium dense, brown SANDY GRAVEL --FILL-- | | | 1 | 5 6 6 | NP | |
| 571.5 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | 5 | | 2 | 4 2 3 | 0.25 P | 26 |
| | | | | 3 | 2 1 3 | 0.25 B | 24 |
| | | 10 | | 4 | 1 1 2 | 0.41 B | 25 |
| | | | | 5 | 0 0 2 | 0.25 B | 25 |
| | | 15 | | 6 | 1 2 1 | 0.49 B | 25 |
| | | | | 7 | 1 1 1 | 0.33 B | 27 |
| | | 20 | | 8 | 0 0 0 | 0.25 B | 26 |
| 538.0 | Very stiff to hard, gray SILTY CLAY, trace gravel | | | | | | |
| | | 25 | | 9 | 1 1 2 | 0.16 B | 27 |
| | | | | 10 | 0 0 1 | 0.16 B | 25 |
| | | | | 11 | 0 0 0 | 0.16 B | 26 |
| | | 30 | | 12 | 1 2 3 | 0.49 B | 27 |
| | | 35 | | 13 | 1 3 4 | 0.74 B | 19 |
| | | 40 | | 14 | 6 8 10 | 5.41 B | 15 |

**GENERAL NOTES**

Begin Drilling: 03-19-2014 Complete Drilling: 03-19-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 2.50 ft
At Completion of Drilling: 62.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG 1715-B-03

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**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 574.74 ft
North: 1898289.14 ft
East: 1171492.75 ft
Station: 1216+42.65
Offset: 33.3447 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --$L_L$(%)=36, $P_I$(%)=18-- --%Gravel=0.5-- --%Sand=3.1-- --%Silt=59.8-- --%Clay=36.7-- --A-6 (18)-- | 45 | | 15 | 4 8 14 | 3.69 B | 19 |
| | | 50 | | 16 | 5 9 10 | 2.87 B | 24 |
| 523.0 | Medium stiff, gray CLAY, trace gravel | | | | | | |
| | | 55 | | 17 | 4 5 6 | 0.75 P | 27 |
| 518.0 | Hard, gray SILTY CLAY LOAM, trace gravel | | | | | | |
| | | 60 | | 18 | 10 12 16 | 9.35 S | 15 |
| 513.0 | Gray SILT, trace gravel --Wet-- | | | | | | |
| 510.0 | Hard (>4.5P), gray SILTY CLAY LOAM, trace gravel | 65 | | 19 | 16 20 21 | NP | 20 |
| 508.0 | Very dense, gray SILTY LOAM, little to some gravel | | | | | | |
| | | 70 | | 20 | 50/5 | NP | 9 |
| | --HARD DRILLING-- --Possible Cobbles-- | 75 | | 21 | 50/5 | NP | 13 |
| 498.0 | Hard, gray SILTY CLAY LOAM, trace gravel | | | | | | |
| | | 80 | | 22 | 33 50/4 | 7.30 S | 10 |

**GENERAL NOTES**

Begin Drilling: 03-19-2014 Complete Drilling: 03-19-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 2.50 ft
At Completion of Drilling: 62.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG 1715-B-03

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**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

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| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 490.7 | Very dense, gray SILTY LOAM to SILT, trace gravel --Wet-- --$L_L$(%)=NP, $P_I$(%)=NP-- --%Gravel=0.1-- --%Sand=1.1-- --%Silt=92.6-- --%Clay=6.3-- --A-4 (0)-- | 85 | | 23 | 13 19 28 | NP | 22 |
| | | 90 | | 24 | 50/2 | NP | 19 |
| 483.2 | --DIFFICULT DRILLING-- --WEATHERED BEDROCK-- | | | | | | |
| 480.7 | --ROLLER BIT REFUSAL-- Boring terminated at 94.00 ft | | | | | | |
| | | 95 | | | | | |
| | | 100 | | | | | |

**GENERAL NOTES**

Begin Drilling: 03-19-2014 Complete Drilling: 03-19-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&P Logger: D. Kolpacki Checked by: C. Marin
Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 2.50 ft
At Completion of Drilling: 62.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 1100S40.GPJ WANGENG.GDT 9/15/18

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM-DS02-NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000_CAD\006_Roadway\Sheets\60X79_Contract\D160X79-sht-Drain-Details-BoringLogs.dgn

TranSystems

| | | | |
|---|---|---|---|
| D160X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 5 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296E |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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Fax: 630-953-9938

# BORING LOG 1715-B-05



**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 577.87 ft
North: 1897826.42 ft
East: 1171228.58 ft
Station: 1223+01.29
Offset: 21.767 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| 576.9 | Dark brown SILTY LOAM, trace gravel |
| | --TOPSOIL-- |
| | Stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel and roots |
| | --FILL-- |
| 572.4 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel |
| 546.1 | Stiff to hard, gray SILTY CLAY LOAM, trace gravel |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| | | 1 | 6 8 7 | 4.50 P | 14 |
| 5 | | 2 | 1 3 2 | 1.00 P | 28 |
| | | 3 | 1 2 3 | 0.25 B | 20 |
| 10 | | 4 | 1 2 2 | 0.25 B | 25 |
| | | 5 | 1 1 2 | 0.25 B | 28 |
| 15 | | 6 | 1 2 1 | 0.16 B | 28 |
| | | 7 | 1 2 2 | 0.25 B | 27 |
| 20 | | 8 | 1 2 2 | 0.16 B | 27 |
| | | 9 | 1 2 3 | 0.25 B | 27 |
| 25 | | 10 | 2 2 3 | 0.33 B | 26 |
| | | 11 | 3 3 4 | 0.49 B | 26 |
| 30 | | 12 | 2 2 3 | 0.57 B | 27 |
| 35 | | 13 | 4 5 8 | 2.17 N/6 | 21 |
| 40 | | 14 | 4 5 10 | 1.75 P | 24 |

**GENERAL NOTES**

Begin Drilling: 04-14-2014 Complete Drilling: 04-17-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: N&J Logger: A. Happel Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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# BORING LOG 1715-B-05



**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 577.87 ft
North: 1897826.42 ft
East: 1171228.58 ft
Station: 1223+01.29
Offset: 21.767 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| 521.1 | Medium stiff, gray CLAY, trace gravel |
| 516.1 | Loose, gray SILT |
| 511.1 | Hard, gray SILTY CLAY LOAM, trace gravel |
| 506.1 | Very dense, gray SILTY LOAM, some gravel |
| | --HARD DRILLING-- --Possible Cobbles-- |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| 45 | | 15 | 8 10 14 | 4.10 B | 15 |
| 50 | | 16 | 10 12 16 | 4.67 B | 14 |
| 55 | | 17 | 8 9 14 | 2.95 B | 21 |
| 60 | | 18 | 4 3 5 | 0.66 B | 38 |
| 65 | | 19 | 4 4 4 | NP | 29 |
| 70 | | 20 | 10 16 22 | 6.07 B | 20 |
| 75 | | 21 | 7 36 50/5 | NA | |
| 80 | | 22 | 50/5 | NP | 13 |

**GENERAL NOTES**

Begin Drilling: 04-14-2014 Complete Drilling: 04-17-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: N&J Logger: A. Happel Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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# BORING LOG 1715-B-05



**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 577.87 ft
North: 1897826.42 ft
East: 1171228.58 ft
Station: 1223+01.29
Offset: 21.767 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| | --HARD DRILLING-- --Possible Cobbles-- |
| 491.1 | --DIFFICULT DRILLING-- |
| | --WEATHERED BEDROCK-- |
| 489.9 | Strong, light gray, fair rock quality, bedded DOLOSTONE, beds up to 10 inch, 6 inch joint spacing, joints with more than 0.2 inch or no infilling, vuggy, and with stylolitic surfaces. |
| | --Run 1 -RECOVERY= 91%-- --RQD= 66%-- |
| 479.9 | Boring terminated at 98.00 ft |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| | | 23 | 50/0 | | |
| 85 | | | | | |
| 90 | CORE | 1 | | | |
| 95 | | | | | |
| 100 | | | | | |

**GENERAL NOTES**

Begin Drilling: 04-14-2014 Complete Drilling: 04-17-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: N&J Logger: A. Happel Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 1100-04-01.GPJ WANGENG.GDT 9/15/18

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM-DS02-NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000_CAD\006_Roadway\Sheets\60X79_Contract\DI60X79-sht-Drain-Details-BoringLogs.dgn

TranSystems

| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 6 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296F |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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# BORING LOG 2055-B-03

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 579.03 ft
North: 1898462.94 ft
East: 1171413.63 ft
Station: 8149+26.26
Offset: 58.3388 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| 578.8 | 6-inch thick, black SILTY CLAY LOAM --TOPSOIL-- |
| | Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel and brick --FILL-- |
| 571.0 | Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel |
| 542.3 | Medium stiff to very stiff, gray SILTY CLAY to CLAY, trace gravel |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| | 1 | 7 9 9 | > 4.50 P | 0.41 B | 14 |
| 5 | 2 | 3 4 4 | 2.46 B | 0.49 B | 14 |
| | 3 | 4 5 5 | 2.50 P | 0.49 B | 16 |
| 10 | 4 | 1 2 2 | 0.49 B | 0.49 B | 24 |
| | 5 | 0 2 1 | 0.41 B | | 25 |
| 15 | 6 | 0 2 2 | 0.57 B | 0.49 B | 26 |
| | 7 | 0 1 2 | 0.49 B | | 26 |
| 20 | 8 | 0 1 2 | 0.41 B | | 26 |
| 25 | 9 | 1 1 1 | 0.41 B | 0.49 B | 27 |
| | 10 | 1 1 1 | 0.49 B | | 27 |
| | 11 | 0 2 1 | 0.49 B | | 27 |
| 30 | 12 | 0 2 1 | 0.49 B | 0.49 B | 27 |
| 35 | 13 | 1 1 2 | 0.49 B | | 26 |
| 40 | 14 | 2 2 4 | 0.74 B | | 20 |

**GENERAL NOTES**

Begin Drilling: 05-15-2013 Complete Drilling: 05-16-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 2055-B-03

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 579.03 ft
North: 1898462.94 ft
East: 1171413.63 ft
Station: 8149+26.26
Offset: 58.3388 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| 522.3 | Medium dense, gray SILT |
| 517.3 | Hard, gray SILTY CLAY LOAM, trace gravel |
| 507.3 | Very dense, gray SILT to SILTY LOAM, trace gravel |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| 45 | 15 | 3 7 9 | 2.30 B | | 16 |
| 50 | 16 | 4 8 11 | 2.46 B | | 18 |
| 55 | 17 | 3 7 8 | 2.30 B | | 24 |
| 60 | 18 | 2 4 6 | NP | | 23 |
| 65 | 19 | 13 18 30 | > 4.50 P | | 16 |
| 70 | 20 | 13 23 32 | > 10.25 B | | 15 |
| 75 | 21 | 32 50/5" | NP | | 10 |
| 80 | 22 | 40 50/4" | NP | | 9 |

**GENERAL NOTES**

Begin Drilling: 05-15-2013 Complete Drilling: 05-16-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 2055-B-03

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 579.03 ft
North: 1898462.94 ft
East: 1171413.63 ft
Station: 8149+26.26
Offset: 58.3388 LT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION |
|---|---|
| 492.3 | Hard, gray SILTY CLAY LOAM |
| 487.3 | Very dense, gray SANDY GRAVEL with dolostone clasts |
| 485.0 | Probably weathered DOLOSTONE --AUGER REFUSAL-- |
| 484.0 | Boring terminated at 95.00 ft |

| Depth (ft) | Sample Type | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|
| 85 | 23 | 26 38 44 | | NP | 19 |
| 90 | 24 | 18 21 35 | | 8.20 B | 14 |
| 95 | 25 | 48 50/4" | | NP | 13 |
| 100 | | | | | |

**GENERAL NOTES**

Begin Drilling: 05-15-2013 Complete Drilling: 05-16-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring
backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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# BORING LOG 2055-B-04

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 575.69 ft
North: 1898363.22 ft
East: 1171499.16 ft
Station: 8150+09.25
Offset: 43.5063 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | 5-inch thick ASPHALT over 7-inch thick CONCRETE | | | | | | |
| 574.7 | --PAVEMENT-- | | | | | | |
| | Medium dense, brown SANDY GRAVEL | | | 1 | 5 9 9 | NP | 4 |
| | --BASE COURSE-- | | | | | | |
| 572.7 | Stiff, gray SILTY CLAY | | | | | | |
| | | 5 | | 2 | 3 2 3 | 1.07 B | 20 |
| 570.2 | Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | | | | |
| | | | | 3 | 1 2 2 | 0.57 B | 25 |
| | | 10 | | 4 | 1 1 2 | 0.57 B | 24 |
| | | | | 5 | 0 1 2 | 0.57 B | 17 |
| | | 15 | | 6 | 0 2 2 | 0.66 B | 25 |
| | --$L_L$(%)=35, $P_L$(%)=15-- --%Gravel=4.3-- --%Sand=15.2-- --%Silt=48.0-- --%Clay=32.4-- --A-6 (15)-- | | | 7 | 0 1 2 | 0.57 B | 26 |
| | | 20 | | 8 | 0 2 2 | 0.66 B | 26 |
| 547.7 | Medium dense, gray, coarse SAND, little gravel | | | | | | |
| | | | | 9 | 0 2 2 | 0.57 B | 26 |
| | | 25 | | 10 | 0 1 2 | 0.49 B | 25 |
| | | | | 11 | 0 1 2 | 0.57 B | 25 |
| | | 30 | | 12 | 2 5 7 | NP | 15 |
| 543.7 | Medium dense, gray SANDY GRAVEL | | | | | | |
| 540.9 | Very stiff, gray SILTY CLAY to SILTY CLAY LOAM to LOAM, trace to some gravel | | | | | | |
| | | 35 | | 13 | 8 8 9 | NP | 15 |
| | --$L_L$(%)=35, $P_L$(%)=15-- --%Gravel=3.6-- --%Sand=9.8- | 40 | | 14 | 4 7 10 | 2.46 B | 21 |

**GENERAL NOTES**

Begin Drilling: 05-19-2013 Complete Drilling: 05-20-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 2055-B-04

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 575.69 ft
North: 1898363.22 ft
East: 1171499.16 ft
Station: 8150+09.25
Offset: 43.5063 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --%Silt=50.5-- --%Clay=36.1-- --A-6 (16)-- | | | | | | |
| | --$L_L$(%)=22, $P_L$(%)=13-- --%Gravel=15.4-- --%Sand=31.5-- --%Silt=41.5-- --%Clay=11.6-- --A-4 (2)-- | 45 | | 15 | 5 8 10 | 4.92 B | 13 |
| | | 50 | | 16 | 4 6 8 | 2.62 B | 22 |
| | | 55 | | 17 | 5 8 12 | 3.36 B | 10 |
| 518.9 | Medium dense, gray SILT | | | | | | |
| | | 60 | | 18 | 4 5 8 | NP | 25 |
| 513.9 | Hard, gray SILTY CLAY LOAM, trace gravel | | | | | | |
| | | 65 | | 19 | 12 21 29 | 9.89 B | 14 |
| 508.9 | Very dense, gray SILT to SILTY LOAM, trace to some gravel | | | | | | |
| | | 70 | | 20 | 23 50/4" | NP | 13 |
| | | 75 | | 21 | 36 50/3" | NP | 12 |
| | | 80 | | 22 | 50/5" | NP | 9 |

**GENERAL NOTES**

Begin Drilling: 05-19-2013 Complete Drilling: 05-20-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 2055-B-04

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 575.69 ft
North: 1898363.22 ft
East: 1171499.16 ft
Station: 8150+09.25
Offset: 43.5063 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | 85 | | 23 | 34 42 45 | NP | 22 |
| | | 90 | | 24 | 22 40 45 | NP | 19 |
| 483.7 | --HARD DRILLING-- Boulders, Sandy Gravel | | | | | | |
| | | 95 | C O R E | 25 | 50/2" | NR | |
| 478.7 | --AUGER REFUSAL-- Strong, light gray, fair rock mass quality, bedded fresh DOLOSTONE, up to 18-inch beds, 1- to 18-inch spaced joints, horizontal and oblique joints with less than 0.2- to 3-inch greenish gray silty infilling, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity. --Run 1 - RECOVERY = 95% RQD = 53% --Run 1 - RECOVERY = 98% --RQD = 53% | 100 | | | | | |
| 458.7 | Boring terminated at 117.00 ft | | | | | | |

Core runs: 1 (105–110), 2 (110–120)

**GENERAL NOTES**

Begin Drilling: 05-19-2013 Complete Drilling: 05-20-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENGINC 1100-04-01 WANGENG.GDT 9/15/18

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM-DS02-NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000_CAD\006_Roadway\Sheets\60X79_Contract\DI60X79-sht-Drain-Details-BoringLogs.dgn

TranSystems

| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 8 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296H |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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# BORING LOG 22-RWB-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 595.62 ft
North: 1897646.18 ft
East: 1171875.74 ft
Station: 1703+67.42
Offset: 31.6147 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 596 | 12-inch thick CRUSHED STONE | | | | | | |
| | Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel and brick fragments --FILL-- | | | 1 | 7 10 10 | > 4.50 P | 15 |
| | | 5 | | 2 | 4 7 9 | > 4.50 P | 13 |
| | | | | 3 | 3 22 12 | 2.75 P | 17 |
| 587.6 | Medium dense, dark brown GRAVELLY LOAM; wet --FILL-- | 10 | | 4 | 19 9 10 | NP | 16 |
| 585.1 | Stiff, gray SILTY CLAY, trace gravel | | | 5 | 3 3 4 | 1.72 B | 26 |
| | | 15 | | 6 | 2 4 6 | 1.97 B | 23 |
| 580.1 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | 7 | 1 2 3 | 0.66 B | 23 |
| | | 20 | | 8 | 1 1 2 | 0.25 B | 25 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | | 25 | | 9 | 0 1 2 | 0.16 B | 32 |
| | | | | 10 | 0 1 2 | 0.25 B | 27 |
| | | | | 11 | 1 4 4 | 0.50 P | 19 |
| | | 30 | | 12 | 2 2 2 | 0.25 B | 23 |
| | | 35 | | 13 | 0 1 2 | 0.33 B | 26 |
| | | 40 | | 14 | 1 2 2 | 0.33 B | 27 |

**GENERAL NOTES**

Begin Drilling: 03-13-2014 Complete Drilling: 03-16-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" SSA to 15', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

# BORING LOG 22-RWB-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 595.62 ft
North: 1897646.18 ft
East: 1171875.74 ft
Station: 1703+67.42
Offset: 31.6147 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 538.9 | Hard, gray SILTY CLAY LOAM, trace gravel | 45 | | 15 | 0 2 2 | 0.49 B | 24 |
| | | 50 | | 16 | 1 3 4 | 0.25 P | 25 |
| | | 55 | | 17 | 1 2 2 | 0.25 B | 28 |
| | | 60 | | 18 | 7 17 23 | 5.74 S | 14 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 518.9 | Medium dense, gray SILT; wet --possible groundwater bearing-- | 65 | | 19 | 10 16 20 | 8.69 B | 12 |
| | | 70 | | 20 | 7 14 24 | 6.07 B | 19 |
| | | 75 | | 21 | 6 8 12 | 4.35 B | 18 |
| | | 80 | | 22 | 3 5 7 | NP | 27 |

**GENERAL NOTES**

Begin Drilling: 03-13-2014 Complete Drilling: 03-16-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" SSA to 15', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 22-RWB-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 595.62 ft
North: 1897646.18 ft
East: 1171875.74 ft
Station: 1703+67.42
Offset: 31.6147 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 513.9 | Very dense, gray SILTY LOAM, trace gravel | | | | | | |
| | | 85 | | 23 | 13 25 30 | NP | 11 |
| | | 90 | | 24 | 30 45 60/3 | NP | 15 |
| | | 95 | | 25 | 23 60/4 | NP | 14 |
| 498.9 | --HARD DRILLING-- --Possible Cobbles-- Very dense, gray GRAVELLY SANDY LOAM to SILTY LOAM --possible groundwater bearing-- | 100 | | 26 | 50 60/4 | NP | 8 |

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (blw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | --HARD DRILLING-- --Possible Cobbles-- | | | 27 | 60/5 | NP | 8 |
| 491.6 | --WEATHERED BEDROCK-- | 105 | | | | | |
| 490.6 | Strong, light gray, fair rock mass quality, bedded fresh DOLOSTONE, up to 18-inch beds, 10-inch joints spacing, horizontal joints with none to more than 0.2-inch greenish gray argillaceous infilling, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity --Run 1 - RECOVERY=96%-- --RQD=75%-- | 110 | | 1 | | CORE | |
| 480.6 | Boring terminated at 115.00 ft | 115 | | | | | |
| | | 120 | | | | | |

**GENERAL NOTES**

Begin Drilling: 03-13-2014 Complete Drilling: 03-16-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&N Logger: F. Bozga Checked by: C. Marin
Drilling Method: 2.25" SSA to 15', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: Rotary wash
At Completion of Drilling: mud in the borehole
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM-DS02-NA\Documents\01 Americas\Transportation\60269938 Circle\Phase.II\000_CAD\006_Roadway\Sheets\60X79_Contract\DI60X79-sht-Drain-Details-BoringLogs.dgn

WANGENGINC 1100040.GPJ WANGENG.GDT 9/15/18

TranSystems

| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 9 OF 11 SHEETS | STA. | TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 2961 |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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# BORING LOG COMM-HUT-CCTV

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 589.57 ft
North: 1898191.07 ft
East: 1171393.69 ft
Station: 5218+68.15
Offset: 116.7249 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 589.2 | 5-inch thick dark brown SILTY LOAM --TOPSOIL-- | | | | | | |
| | Very stiff to hard, brown CLAY LOAM, trace gravel --FILL-- | | | 1 | 4 12 17 | > 4.50 P | 14 |
| | | 5 | | 2 | 5 7 7 | 3.94 B | 14 |
| | | | | 3 | 9 11 10 | 7.38 B | 17 |
| 581.6 | Medium stiff, gray SILTY CLAY, trace gravel | | | | | | |
| | | 10 | | 4 | 3 4 4 | 0.82 B | 19 |
| 579.1 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | | | | | | |
| | | | | 5 | 1 2 3 | 0.49 B | 21 |
| | | 15 | | 6 | 1 2 4 | 0.41 B | 22 |
| | | | | 7 | 2 3 5 | 0.74 B | 25 |
| | | 20 | | 8 | 1 3 3 | 0.82 B | 19 |
| 552.8 | Very stiff, gray SILTY CLAY LOAM, some gravel | | | | | | |
| | | 25 | | 9 | 1 2 2 | 0.33 B | 26 |
| | | | | 10 | 1 2 2 | 0.16 B | 24 |
| | | | | 11 | 1 1 1 | 0.16 B | 26 |
| | | 30 | | 12 | 1 2 2 | 0.16 B | 27 |
| | | 35 | | 13 | 1 2 3 | 0.83 N/6 | |
| | | 40 | | 14 | 4 6 8 | 2.00 P | 14 |

**GENERAL NOTES**

Begin Drilling: 11-08-2013 Complete Drilling: 11-08-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: D. Kolpacki Checked by:
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG COMM-HUT-CCTV

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 589.57 ft
North: 1898191.07 ft
East: 1171393.69 ft
Station: 5218+68.15
Offset: 116.7249 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| 547.8 | Soft, gray CLAY, trace gravel | | | | | | |
| | | 45 | | 15 | 2 6 8 | 0.25 P | 26 |
| 542.8 | Stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel | | | | | | |
| | | 50 | | 16 | 4 5 7 | 1.23 B | 24 |
| | | 55 | | 17 | 9 12 15 | 4.64 B | 14 |
| 529.6 | Boring terminated at 60.00 ft | 60 | | 18 | 7 11 19 | 5.00 N/6 | 23 |

**GENERAL NOTES**

Begin Drilling: 11-08-2013 Complete Drilling: 11-08-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: P&N Logger: D. Kolpacki Checked by:
Drilling Method: 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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# BORING LOG 21-RWB-01

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 585.23 ft
North: 1897682.52 ft
East: 1171760.80 ft
Station: 1610+92.09
Offset: 7.9354 RT

| Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|
| | 13-inch thick CONCRETE --PAVEMENT-- | | | | | | |
| 584.1 / 583.3 | 3-inch thick ASPHALT --PAVEMENT-- | | | | | | |
| | CRUSHED STONE --BASE COURSE-- | | | 1 | 13 20 18 | NP | 8 |
| 582.0 | Medium dense to very dense, brown GRAVELLY SAND --FILL-- | | | | | | |
| | | 5 | | 2 | 9 10 5 | NP | 12 |
| | | | | 3 | 25 50/3 | NP | 12 |
| 577.2 | Very dense, brown SILTY LOAM, trace gravel --FILL-- | | | | | | |
| 576.3 | --AUGER REFUSAL-- --Obstruction-- | 10 | | 4 | 50/5 | NP | 16 |
| | Boring terminated at 8.90 ft | | | | | | |
| | | 15 | | | | | |
| | | 20 | | | | | |

**GENERAL NOTES**

Begin Drilling: 10-13-2013 Complete Drilling: 10-13-2013
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: R&N Logger: D. Kolpacki Checked by: L. Iordache
Drilling Method: 2.25" SSA , boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG.MC 1100040.GPJ WANGENG.GDT 9/5/18

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TranSystems

| | | | |
|---|---|---|---|
| DI60X79-sht-Drain-Details-BoringLogs.dgn | DESIGNED - MRC | REVISED - | |
| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

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

**BORING LOGS**

SCALE: NONE | SHEET 10 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296J |

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

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Fax: 630-953-9938

# BORING LOG 23-RWB-05HA

**WEI Job No.: 1100-04-01**

Client: AECOM
Project: Circle Interchange Reconstruction
Location: Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 583.84 ft
North: 1898780.96 ft
East: 1171640.86 ft
Station: 6337+25.29
Offset: 17.6471 RT

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|
| | | Black SILTY LOAM --TOPSOIL-- | | | 1 | PUSH | NP | 16 |
| | 582.8 | Very stiff, gray SILTY CLAY LOAM, trace gravel --FILL-- | | | 2 | PUSH | 2.00 P | 16 |
| | 580.3 | Very stiff, gray SILTY CLAY LOAM, trace gravel | 5 | | 3 | PUSH | 2.50 P | 18 |
| | | | | | 4 | PUSH | 2.00 P | 18 |
| | 575.8 | Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel | 10 | | 5 | PUSH | 0.50 P | 19 |
| | | | | | 6 | PUSH | 0.75 P | 19 |
| | | | | | 7 | PUSH | 0.25 P | 21 |
| | | | 15 | | 8 | PUSH | 0.25 P | 22 |
| | 567.8 | Boring terminated at 16.00 ft | | | | | | |
| | | | 20 | | | | | |

| Profile | Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample Type / recovery | Sample No. | SPT Values (bw/6 in) | Qu (tsf) | Moisture Content (%) |
|---|---|---|---|---|---|---|---|---|

## GENERAL NOTES

Begin Drilling: 07-28-2014 Complete Drilling: 07-28-2014
Drilling Contractor: Wang Testing Services Drill Rig:
Driller: K&K Logger: F. Bozga Checked by: C. Marin
Drilling Method: 1" IDA Pneumatic Geoprobe LB Sampler

## WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG INC - 1100040-01 WANGBNG.GDT 9/5/18

FILE PATH = pw:\\617479-PWINT.aecomonline.local:AECOM.DS02.NA\Documents\01 Americas\Transportation\60269938 Circle\Phase II\000.CAD\006.Roadway\Sheets\60X79-sht-Drain-Details-BoringLogs.dgn

TranSystems

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| USER NAME = mrciss | DRAWN - MLR | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 9/10/2018 | DATE - 9-10-2018 | REVISED - | |

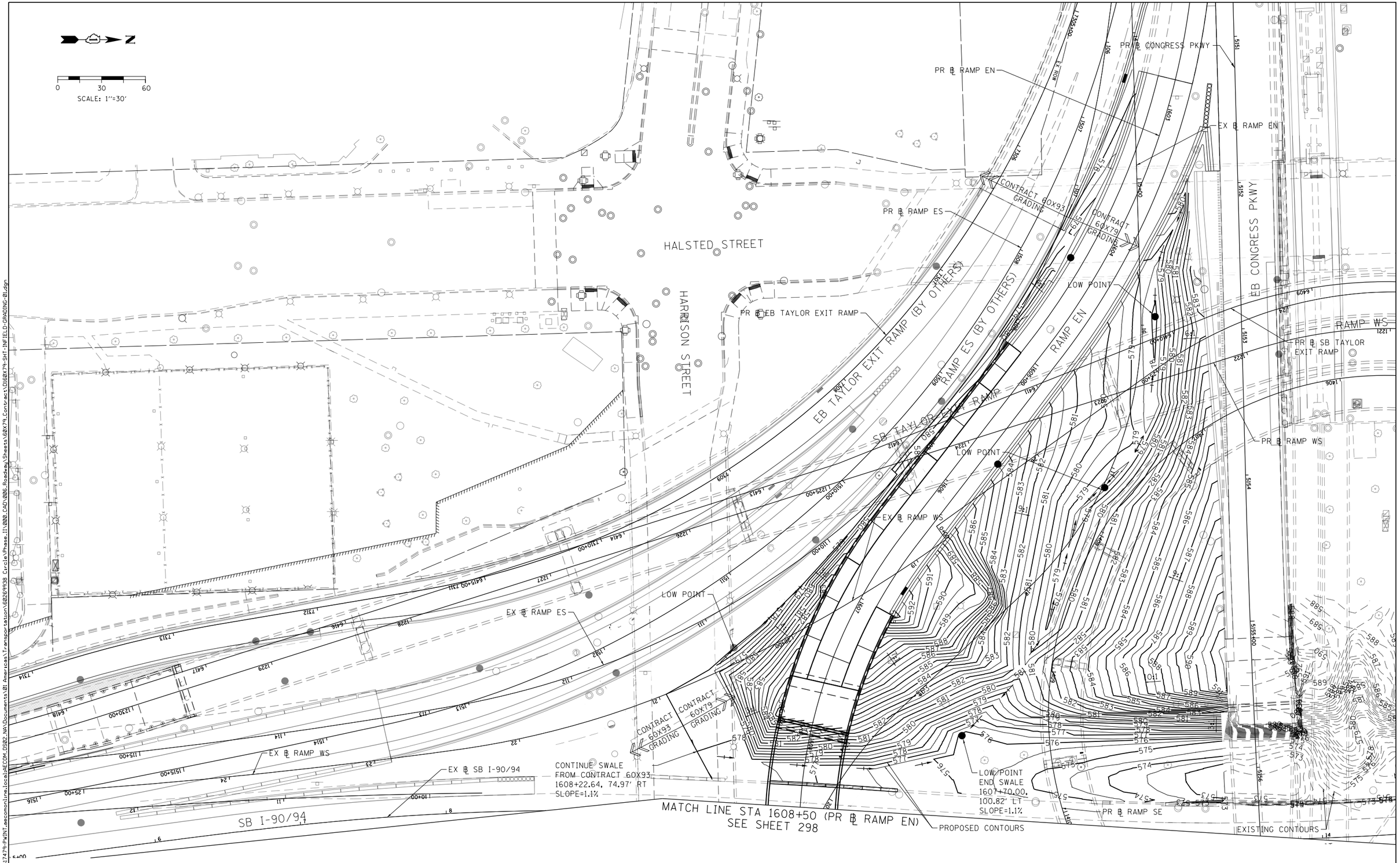
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE | SHEET 11 OF 11 SHEETS | STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 296K |

CONTRACT NO. 60X79
ILLINOIS FED. AID PROJECT

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TranSystems

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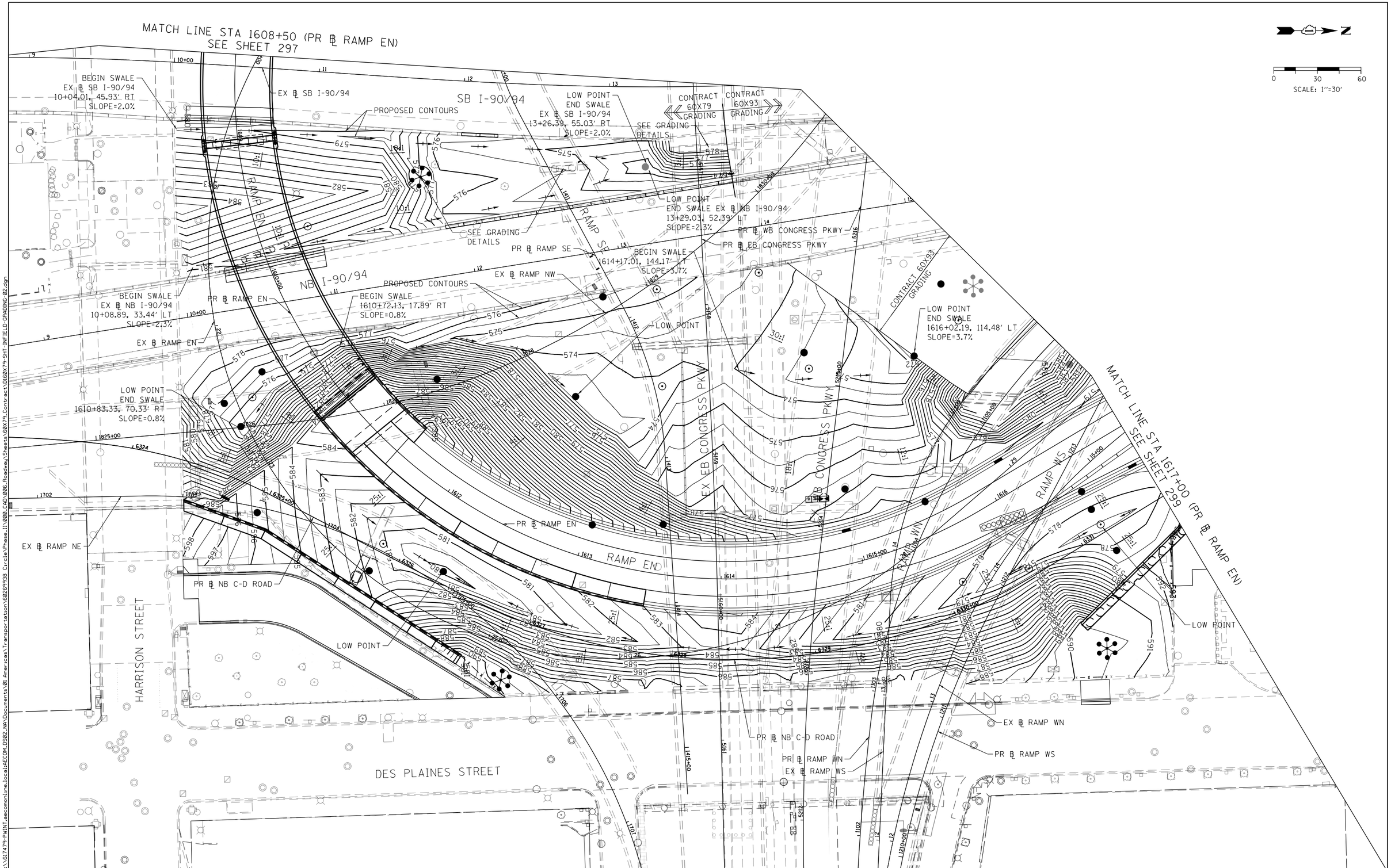
| PLOT SCALE = 60.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/29/2018 | DATE - 7-30-2018 | REVISED - | |

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

**GRADING PLAN**

SCALE: 1"=30' | SHEET 1 OF 3 SHEETS | STA. 1602+00 TO STA. 1608+50

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 297 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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TranSystems

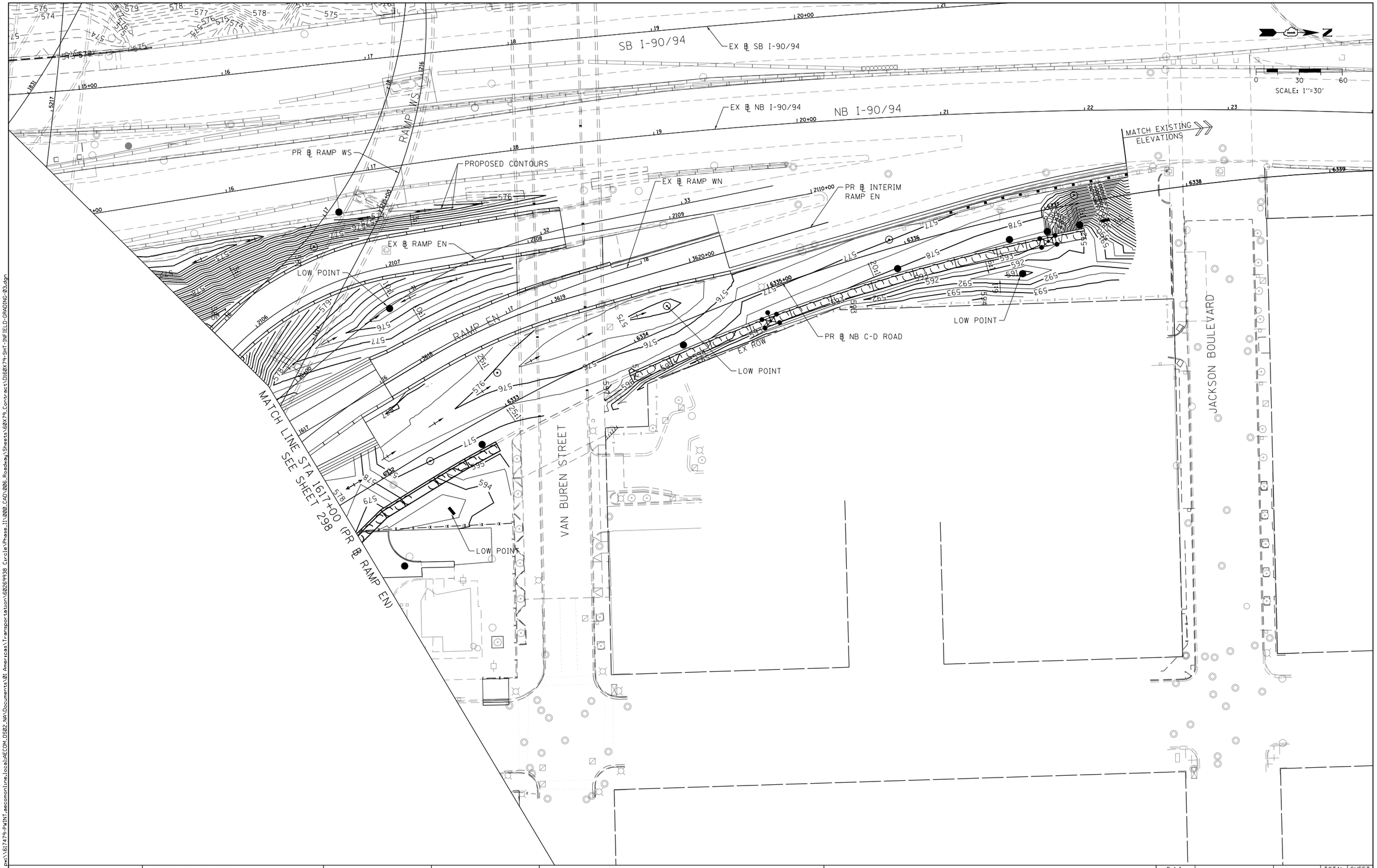
| | | | |
|---|---|---|---|
| D160X79-SHT-INFIELD-GRADING-02.dgn | DESIGNED - VLJ | REVISED - | |
| USER NAME = mkwilson | DRAWN - VLJ | REVISED - | |
| PLOT SCALE = 60.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/29/2018 | DATE - 7-30-2018 | REVISED - | |

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

**GRADING PLAN**

SCALE: 1"=30' | SHEET 2 OF 3 SHEETS | STA. 1608+50 TO STA. 1617+00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 298 |
| | | CONTRACT NO. 60X79 | | |
| | | ILLINOIS FED. AID PROJECT | | |

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TranSystems

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| PLOT DATE = 7/29/2018 | DATE - 7-30-2018 | REVISED - | |

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

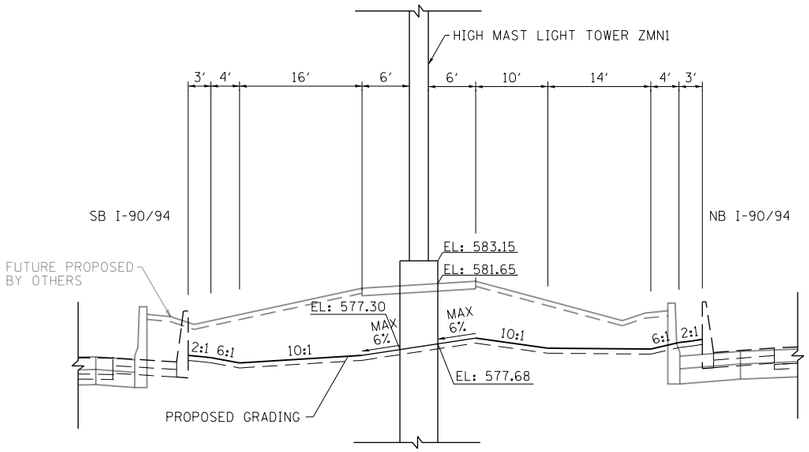
**GRADING PLAN**

SCALE: 1"=30' | SHEET 3 OF 3 SHEETS | STA. 1617+00 TO STA. 3621+00

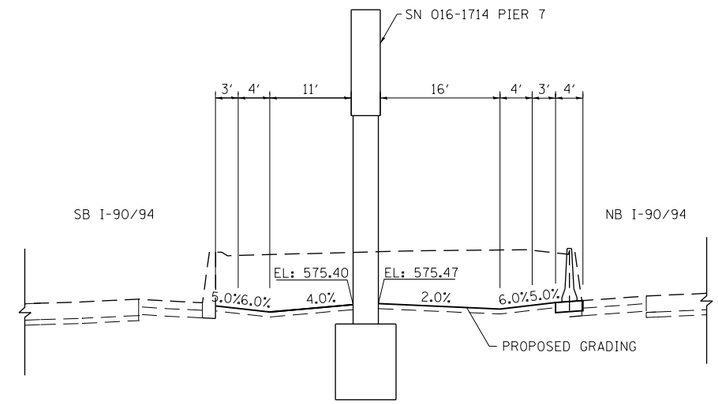
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 299 |

CONTRACT NO. 60X79

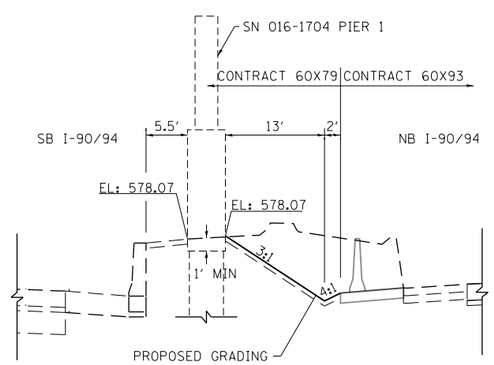
ILLINOIS FED. AID PROJECT




**HIGH MAST LIGHT TOWER ZMN1**
**EX NB I–90/94**
**(LOOKING NORTH)**
STA 11+73.85




**RAMP SE PIER 7 (SN 016–1714)**
**EX NB I–90/94**
**(LOOKING NORTH)**
STA 12+69.87




**EB I–290 PIER 1 (SN 016–1704)**
**EX NB I–90/94**
**(LOOKING NORTH)**
STA 13+72.66

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| | | | |
|---|---|---|---|
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| USER NAME = mkwilson | DRAWN - BMJ | REVISED - | |
| PLOT SCALE = 20.0000 ' / in. | CHECKED - JMG | REVISED - | |
| PLOT DATE = 7/30/2018 | DATE - 7-30-2018 | REVISED - | |

TranSystems

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

**GRADING DETAILS**

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

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 90/94/290 | 2014-005R&B | COOK | 888 | 300 |
| | | CONTRACT NO. 60X79 | | |
| | ILLINOIS | FED. AID PROJECT | | |