









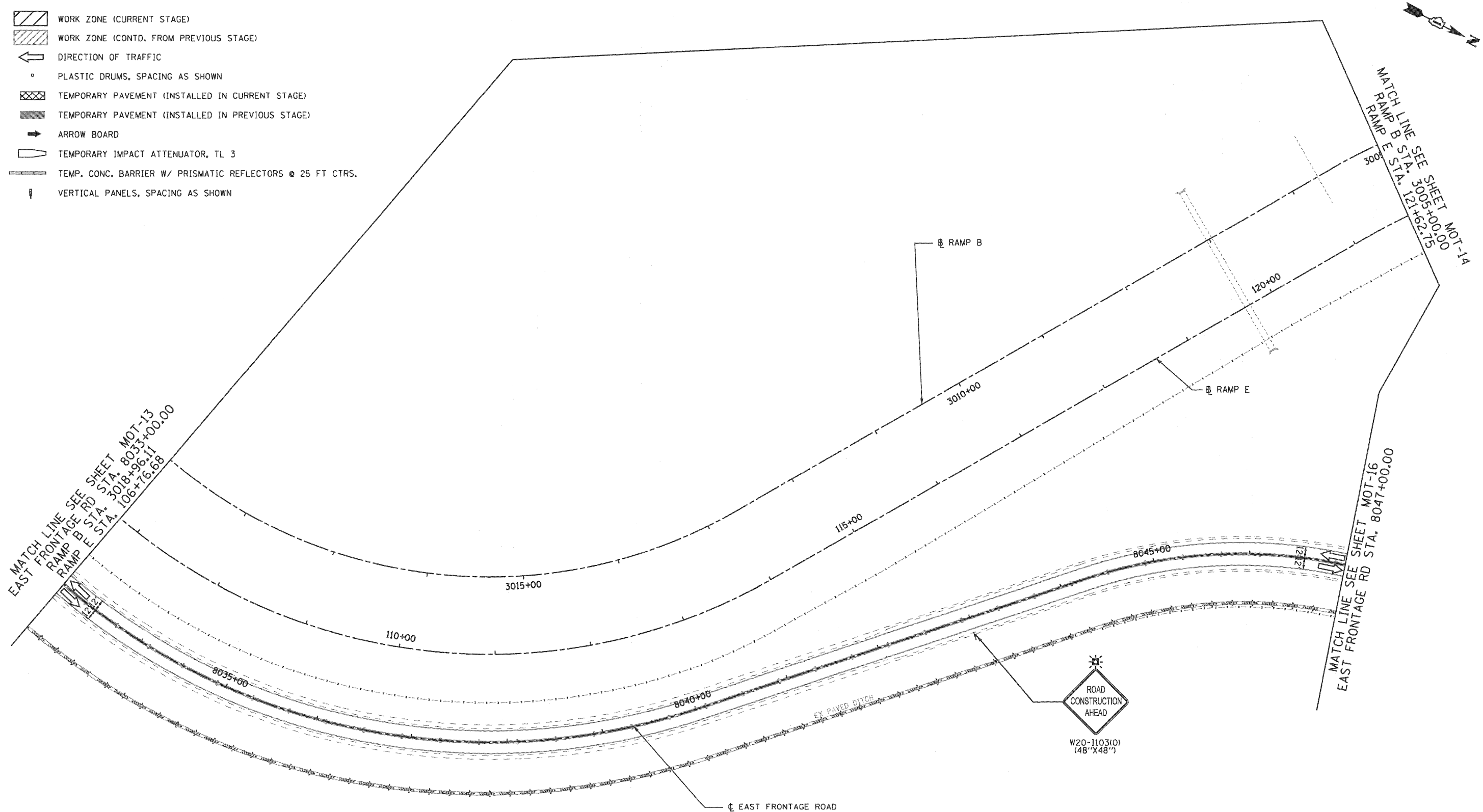
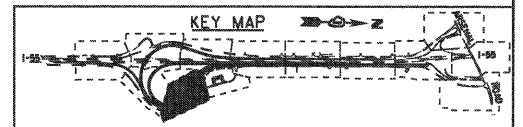


MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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 411 South Wells Street Suite 800
 Chicago, Illinois 60607



| | | | |
|---|-----------------|-------------------|-----------|
| FILE NAME = ...ND168F12-SHT-STAGING106.dgn | USER NAME = gms | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

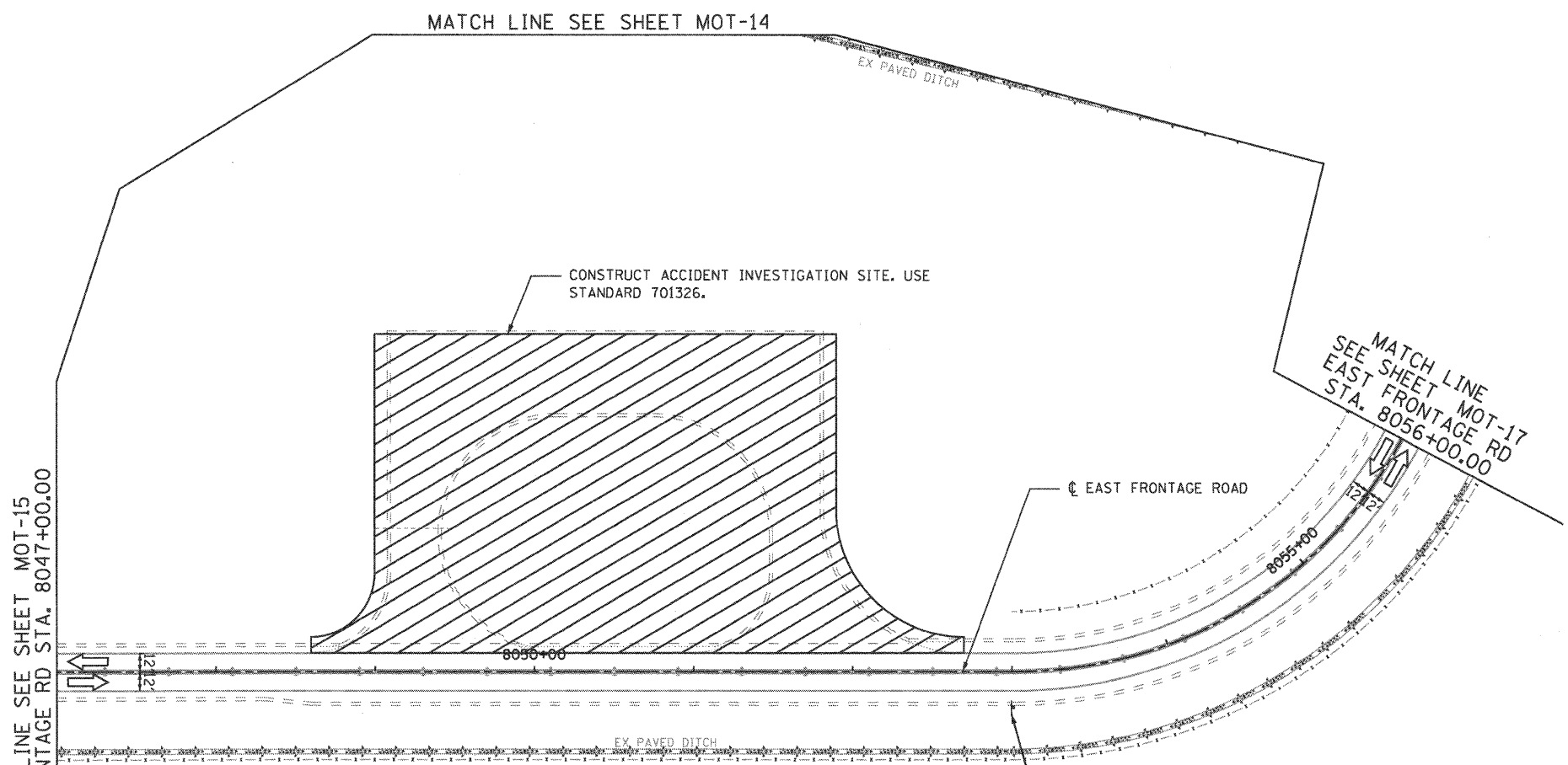
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1"=50' SHEET NO. 5 OF 13 SHEETS STA. TO STA.

| | | | | |
|-----------------------|------------------------|----------------|---------------------------|---------------------|
| F.A.1 RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 101 |
| FED. ROAD DIST. NO. 1 | | | ILLINOIS FED. AID PROJECT | |

CONTRACT NO. 60F12



MATCH LINE SEE SHEET MOT-15
EAST FRONTAGE RD STA. 8047+00.00

MATCH LINE SEE SHEET MOT-14

MATCH LINE
SEE SHEET MOT-17
EAST FRONTAGE RD
STA. 8056+00.00

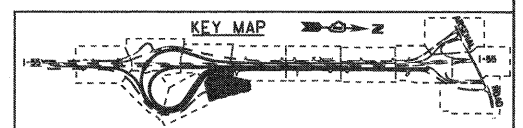
CONSTRUCT ACCIDENT INVESTIGATION SITE. USE
STANDARD 701326.



W2-1115(0) (36"x48")
R2-1 (36"x48")
W2-1113(0) (36"x12")
R2-1106 (36"x18")

- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN

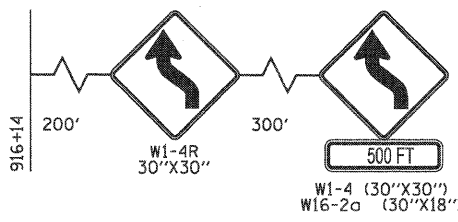
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411 South Wells Street Suite 800
Chicago, Illinois 60607



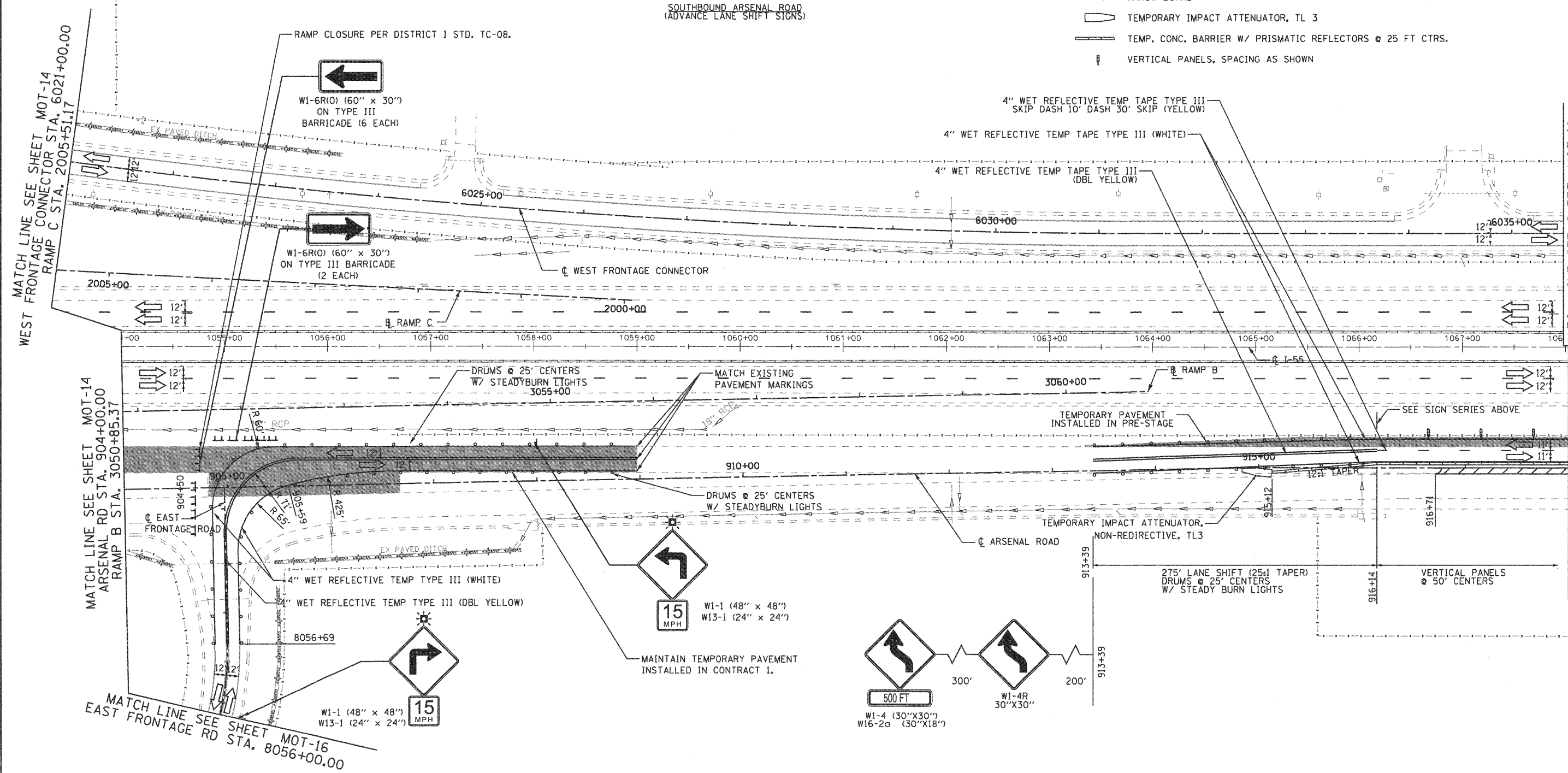
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| PLOT SCALE = 1/4"=50' | CHECKED - RY | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 6 OF 13 SHEETS | STA. | TO STA. | CONTRACT NO. 60F12 | | ILLINOIS FED. AID PROJECT | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISIED - | REVISED - | | | | | | | | | |

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



SOUTHBOUND ARSENAL ROAD
(ADVANCE LANE SHIFT SIGNS)



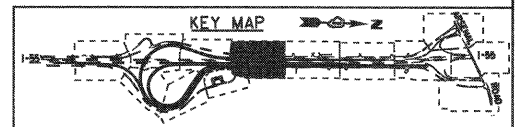
MATCH LINE SEE SHEET MOT-14
WEST FRONTAGE CONNECTOR STA. 6021+00.00
RAMP C STA. 2005+51.17

MATCH LINE SEE SHEET MOT-18
WEST FRONTAGE CONNECTOR STA. 6035+50.00
MATCH LINE SEE SHEET MOT-18
ARSENAL RD STA. 918+00.00

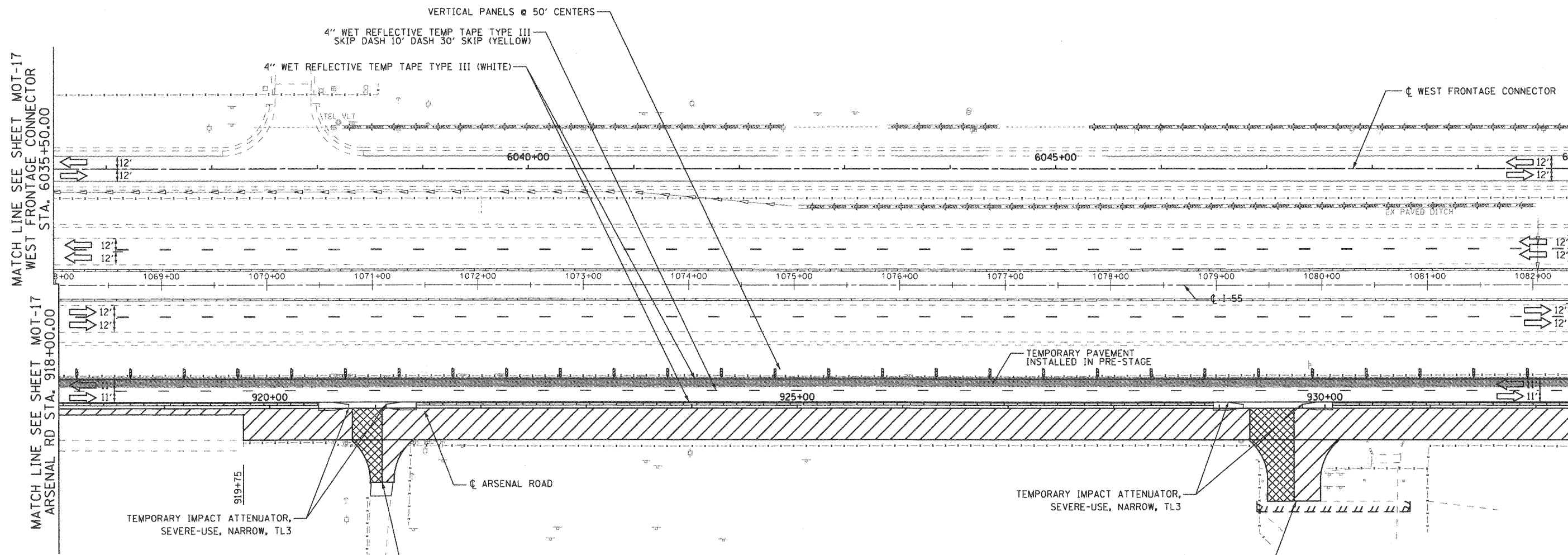
MATCH LINE SEE SHEET MOT-14
ARSENAL RD STA. 904+00.00
RAMP B STA. 3050+85.37

MATCH LINE SEE SHEET MOT-16
EAST FRONTAGE RD STA. 8056+00.00

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| | | | | | | | | | | | | |
|---|-------------------|---------------|------------|---|---|--------------------------|----------------|---------------------|-------------|------------------|---------------|--|
| FILE NAME = ...ND168F12-SHT-STAGING108.dgn | USER NAME = gao | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 1 | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 103 | |
| PLOT SCALE = 1:50 | CHECKED - RY | REVISIED - | REVISIED - | | SCALE: 1"=50' | SHEET NO. 7 OF 13 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISIED - | REVISIED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |



MAINTENANCE OF TRAFFIC LEGEND

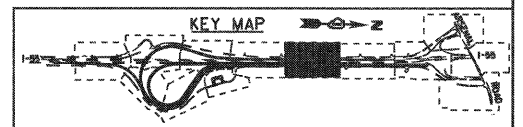
- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION. PROVIDE CONSTRUCTION SIGNS PER DISTRICT 1 STANDARD TC-10. SEE NOTE 1.

CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION. PROVIDE CONSTRUCTION SIGNS PER DISTRICT 1 STANDARD TC-10. SEE NOTE 1.

NOTE
 1. MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION. COMPLETE CONSTRUCTION OF DRIVEWAY USING TEMPORARY HMA PAVEMENT TO MATCH PROPOSED PAVEMENT ELEVATIONS (SEE TS-2 FOR TEMPORARY PAVEMENT DESIGN). TEMPORARY PAVEMENT ON ALL DRIVEWAYS ON ARSENAL ROAD SHALL BE COMPLETED CONCURRENTLY USING NIGHT-TIME CLOSURE PRIOR TO IMPLEMENTATION OF STAGE 2. COMPLETE CONSTRUCTION OF DRIVEWAY AND PROPOSED ARSENAL ROAD PAVEMENT PER STD. 701431-05 IN STAGE 4.

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 Chicago, Illinois 60607



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|---|-----------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING109.dgn | USER NAME = gra | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

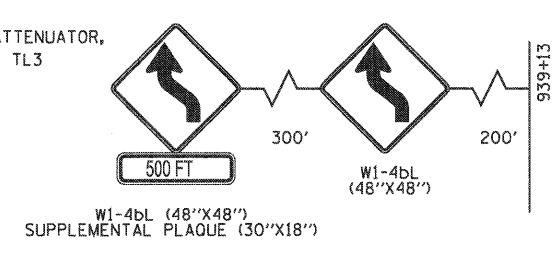
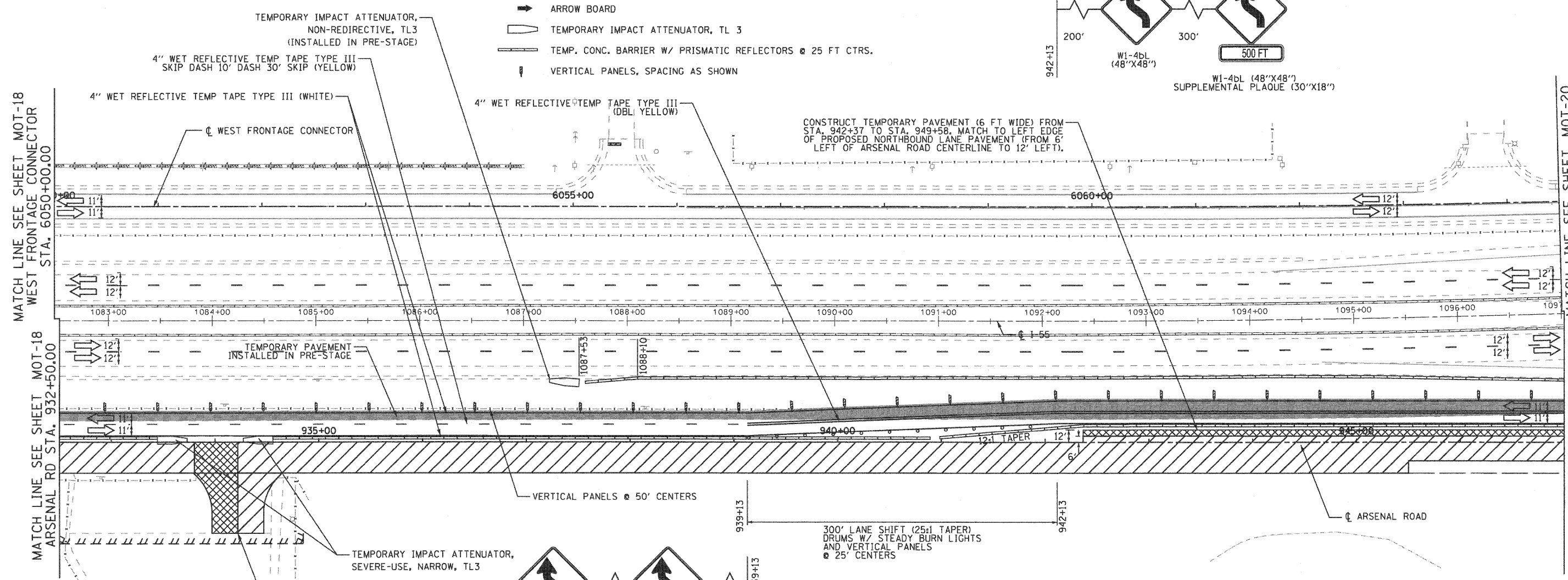
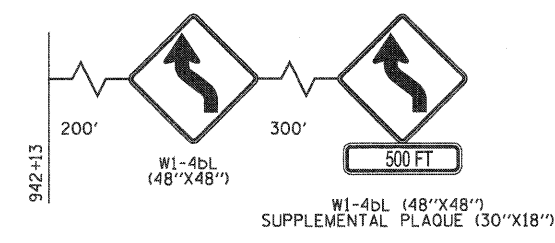
SCALE: 1"=50' SHEET NO. 8 OF 13 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 104 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

FINAL



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN

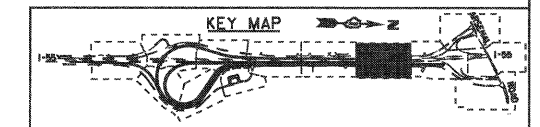


NOTE

1. MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION. COMPLETE CONSTRUCTION OF DRIVEWAY USING TEMPORARY HMA PAVEMENT TO MATCH PROPOSED PAVEMENT ELEVATIONS (SEE TS-2 FOR TEMPORARY PAVEMENT DESIGN). TEMPORARY PAVEMENT ON ALL DRIVEWAYS ON ARSENAL ROAD SHALL BE COMPLETED CONCURRENTLY USING NIGHT-TIME CLOSURE PRIOR TO IMPLEMENTATION OF STAGE 2. COMPLETE CONSTRUCTION OF DRIVEWAY AND PROPOSED ARSENAL ROAD PAVEMENT PER STD. 701431-05 IN STAGE 4.

CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS DURING CONSTRUCTION. PROVIDE CONSTRUCTION SIGNS PER DISTRICT 1 STANDARD TC-10. SEE NOTE 1.

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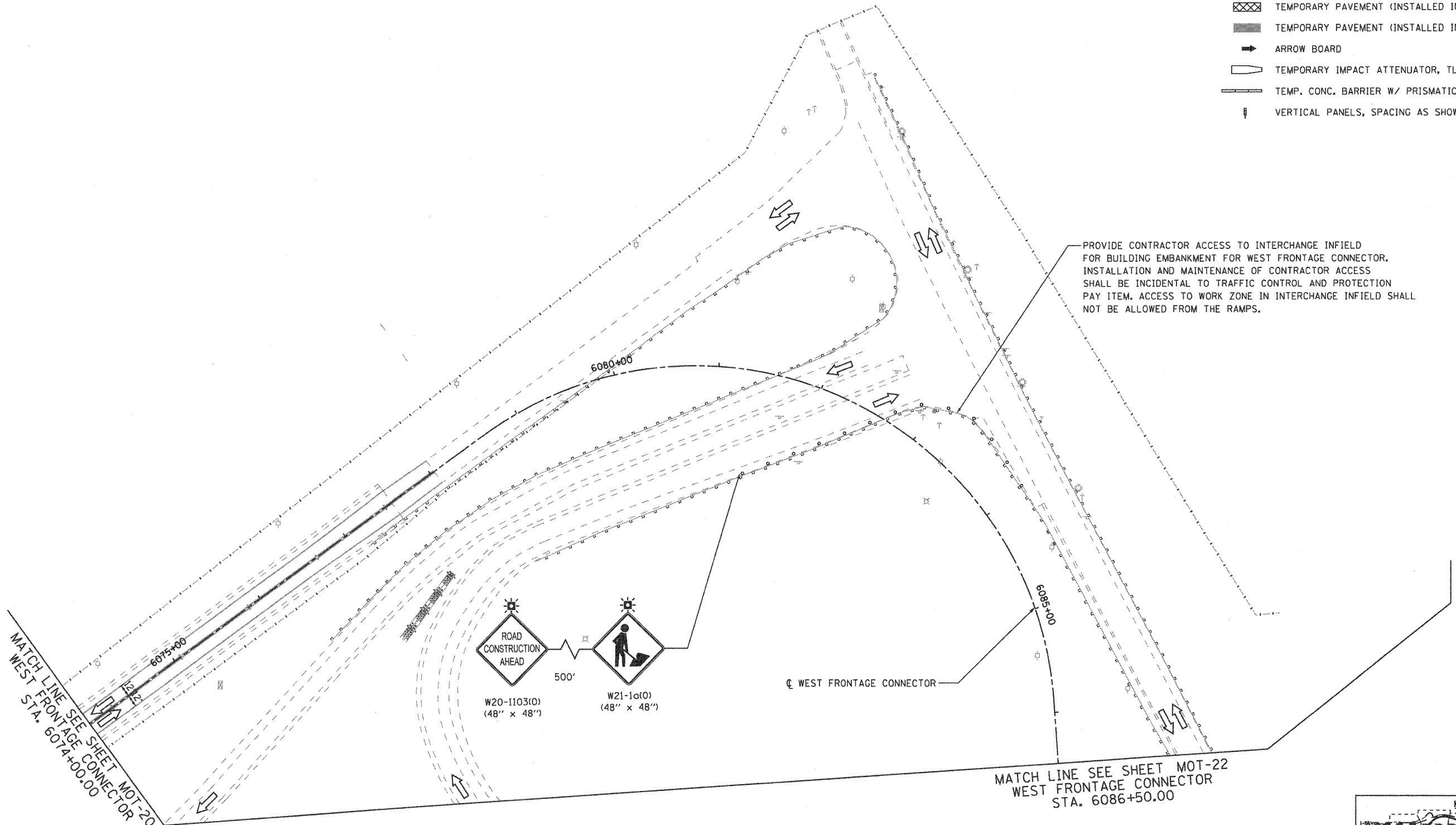
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| PLOT SCALE = 1/8"=1' | CHECKED - RY | REVISIED - | REVISIED - | | SCALE: 1"=50' | SHEET NO. 9 OF 13 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISIED - | REVISIED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |



NOTE
 1. BUILD EMBANKMENT FOR WEST FRONTAGE CONNECTOR FROM STA. 6083+00 TO STA. 6087+00.

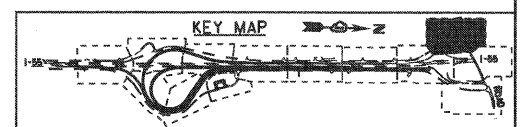
- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN

PROVIDE CONTRACTOR ACCESS TO INTERCHANGE INFIELD FOR BUILDING EMBANKMENT FOR WEST FRONTAGE CONNECTOR. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONE IN INTERCHANGE INFIELD SHALL NOT BE ALLOWED FROM THE RAMPS.



MATCH LINE SEE SHEET MOT-20
 WEST FRONTAGE CONNECTOR
 STA. 6074+00.00

MATCH LINE SEE SHEET MOT-22
 WEST FRONTAGE CONNECTOR
 STA. 6086+50.00



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|--|------------------|-------------------|-----------|
| FILE NAME = ...\\D160F12-SHT-STAGING112.dgn | USER NAME = gpa1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |
| | | | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1"=50' SHEET NO. 11 OF 13 SHEETS STA. TO STA.

| F.A.1 RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|--------------------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 107 |
| | | | | CONTRACT NO. 60F12 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

FINAL



NOTE

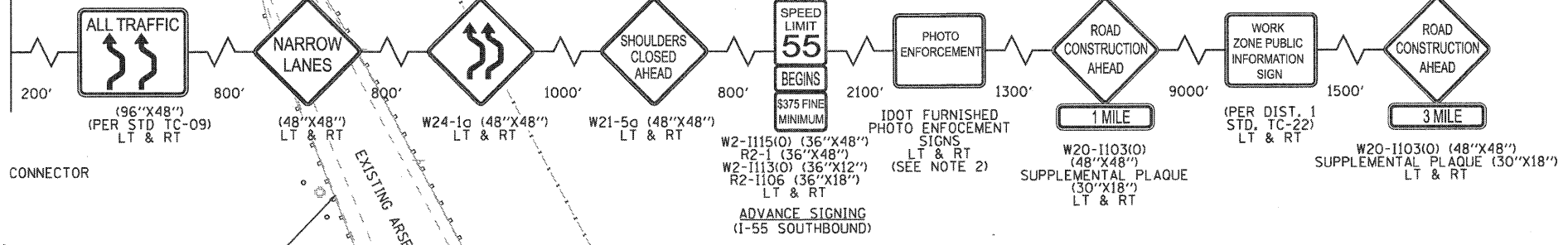
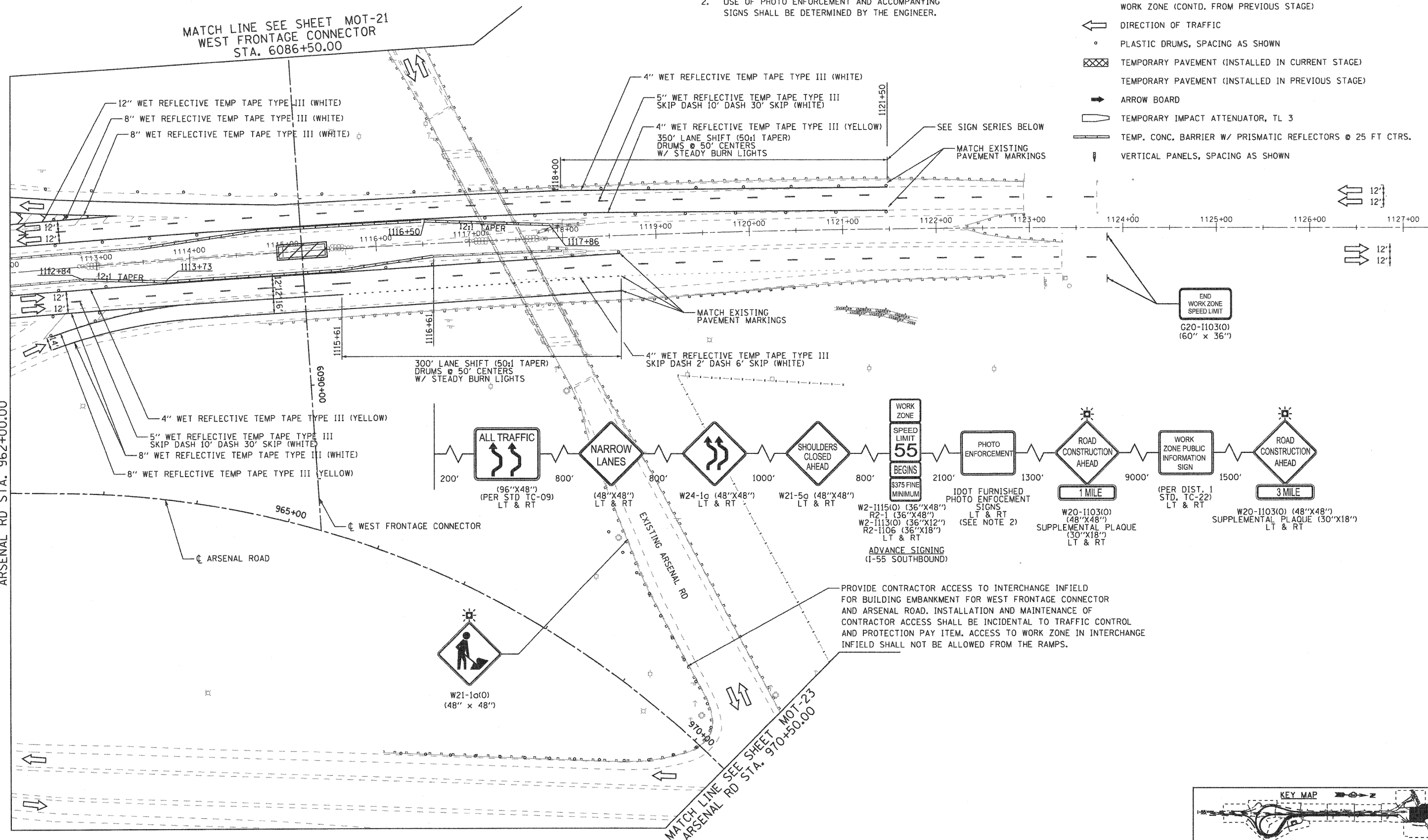
- BUILD EMBANKMENT FOR WEST FRONTAGE CONNECTOR FROM STA. 6090+00 TO STA. 6091+50 AND FOR ARSENAL ROAD FROM STA. 961+50 TO STA. 969+00.
- USE OF PHOTO ENFORCEMENT AND ACCOMPANYING SIGNS SHALL BE DETERMINED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

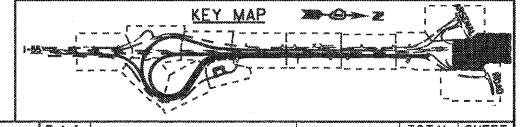
MATCH LINE SEE SHEET MOT-21
WEST FRONTAGE CONNECTOR
STA. 6086+50.00

MATCH LINE SEE SHEET MOT-20
ARSENAL RD STA. 962+00.00



PROVIDE CONTRACTOR ACCESS TO INTERCHANGE INFIELD FOR BUILDING EMBANKMENT FOR WEST FRONTAGE CONNECTOR AND ARSENAL ROAD. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONE IN INTERCHANGE INFIELD SHALL NOT BE ALLOWED FROM THE RAMPS.

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Chicago, Illinois 60607



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|---------------------------------|------------------|
| FILE NAME = | USER NAME = grol |
| ...\\D160F12-SHT-STAGING113.dgn | |

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| PLOT SCALE = 1/8" | CHECKED - RY |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 |

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| DESIGNED - GR | REVISED - |
| DRAWN - GR | REVISED - |
| CHECKED - RY | REVISED - |
| DATE - 02/04/2011 | REVISED - |

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|-------------------|-----------|
| DESIGNED - GR | REVISED - |
| DRAWN - GR | REVISED - |
| CHECKED - RY | REVISED - |
| DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

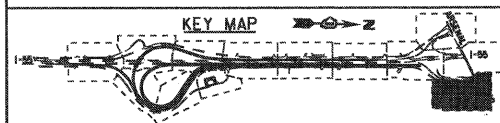
**MAINTENANCE OF TRAFFIC
STAGE 1**

SCALE: 1"=50' SHEET NO. 12 OF 13 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 108 |
| CONTRACT NO. 60F12 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

FINAL

EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
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MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

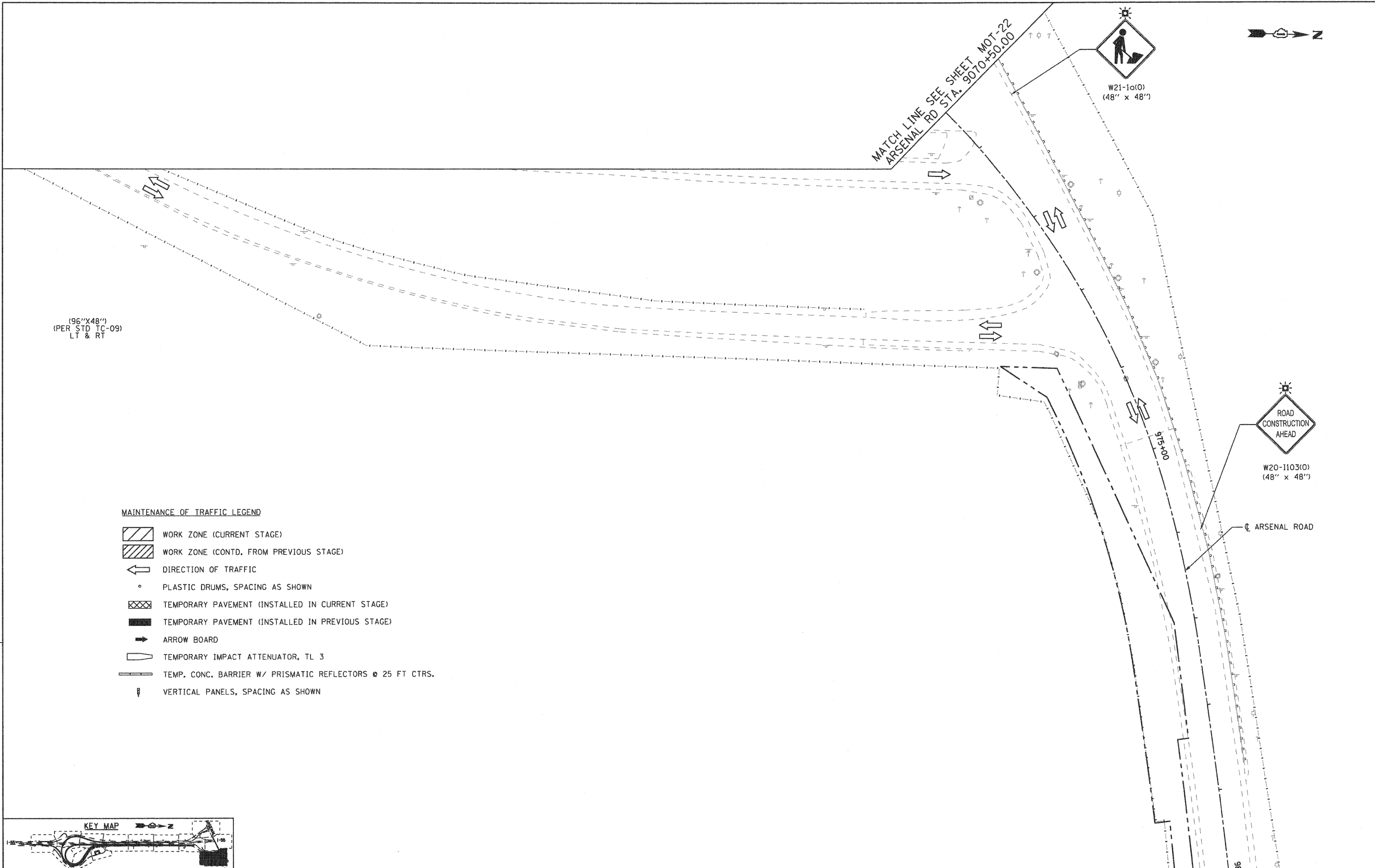
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| | | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1"=50' SHEET NO. 13 OF 13 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 109 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



(96"X48")
 (PER STD TC-09)
 LT & RT

W21-1a(0)
 (48" x 48")

ROAD
 CONSTRUCTION
 AHEAD
 W20-1103(0)
 (48" x 48")

ARSENAL ROAD

MATCH LINE SEE SHEET MOT-22
 ARSENAL RD STA. 9070+50.00

915+00

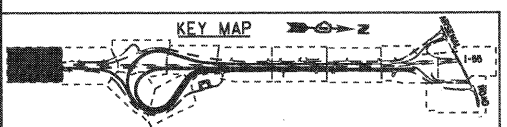
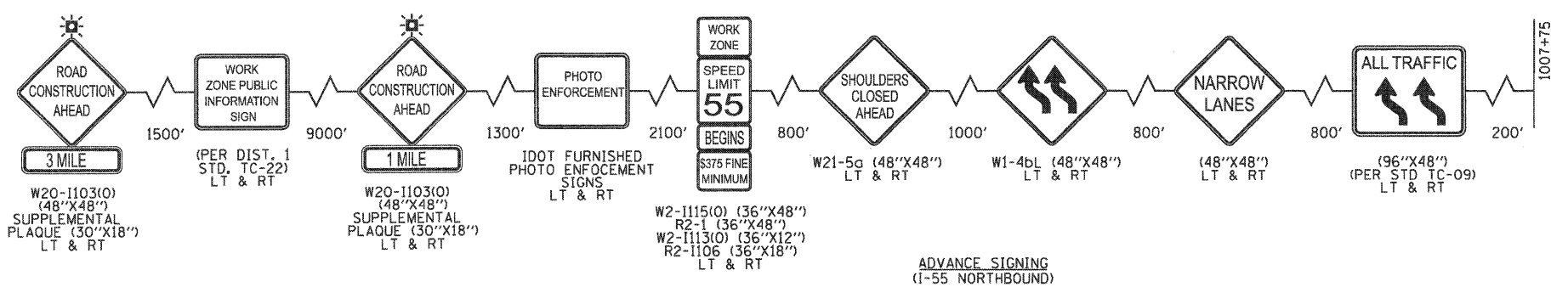
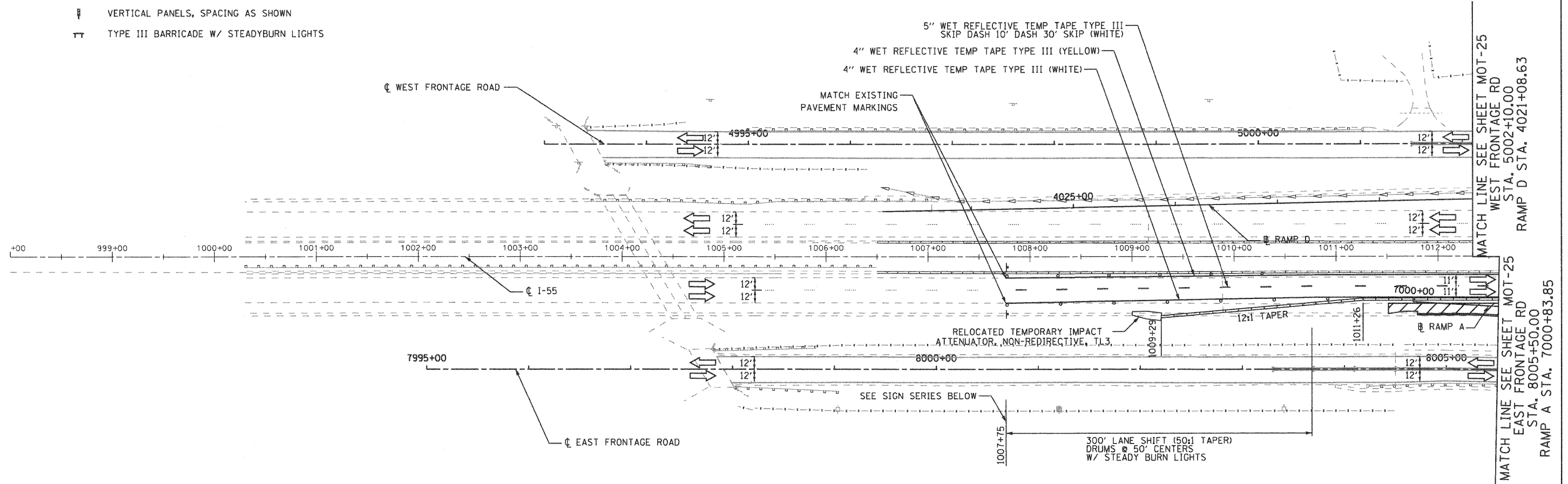
086



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN
- TYPE III BARRICADE W/ STEADYBURN LIGHTS

ACCESS TO EXPRESSWAY WORK ZONES:
 CONTRACTOR SHALL PROVIDE ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 FROM EAST FRONTAGE ROAD, ARSENAL ROAD, AND WEST FRONTAGE CONNECTOR. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 SHALL NOT BE ALLOWED FROM THE EXPRESSWAY.













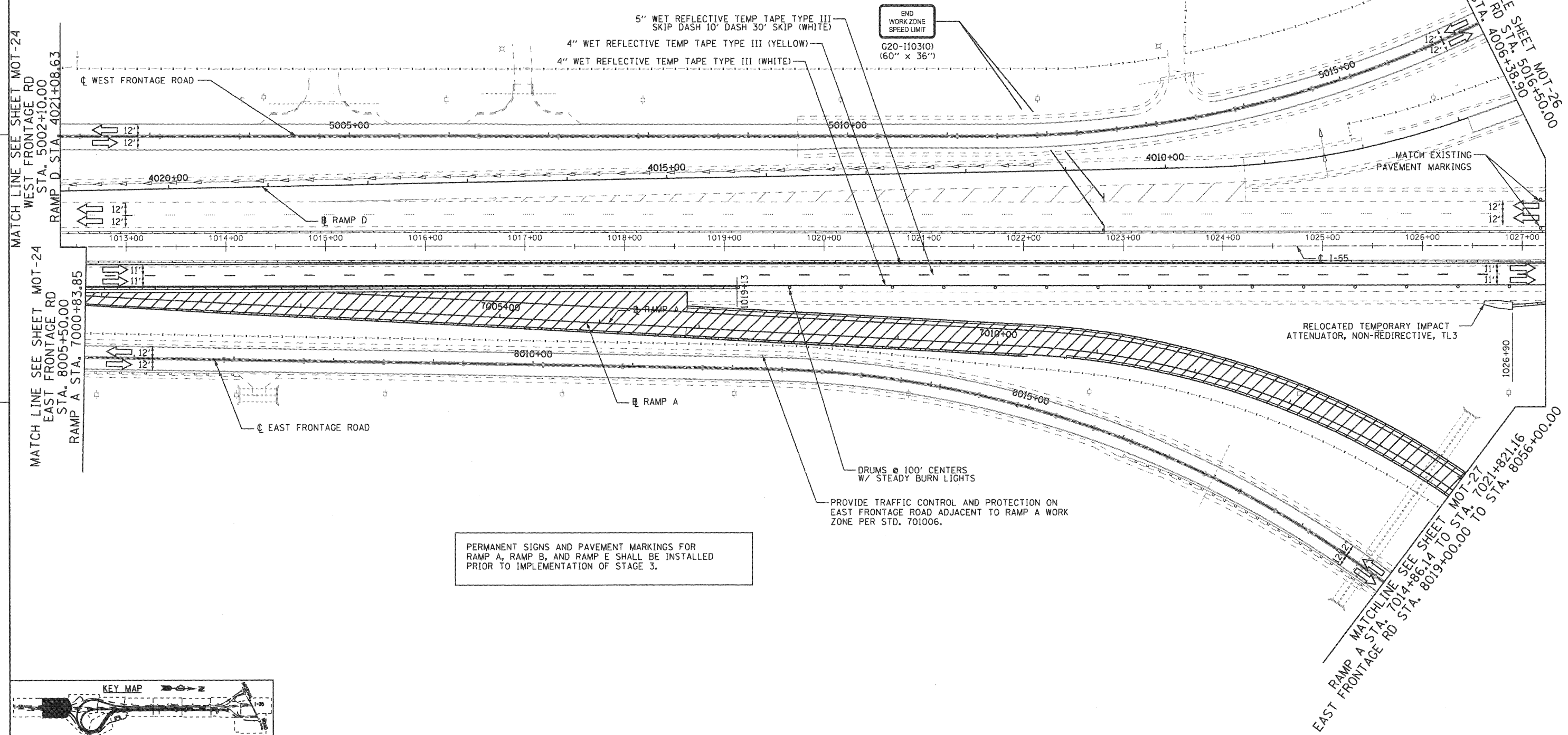
EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607



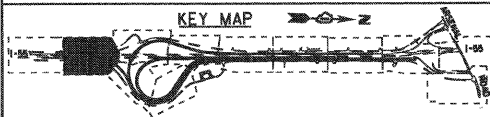
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|---|-------------------|---------------|-----------|---|---|--------------------------|-------------------|------------------------|----------------|---------------------|------------------|--|
| FILE NAME = ...ND160F12-SHT-STAGING201.dgn | USER NAME = gr01 | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 2 | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 110 | |
| PLOT SCALE = 1:50 | CHECKED - RY | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 1 OF 12 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISOR - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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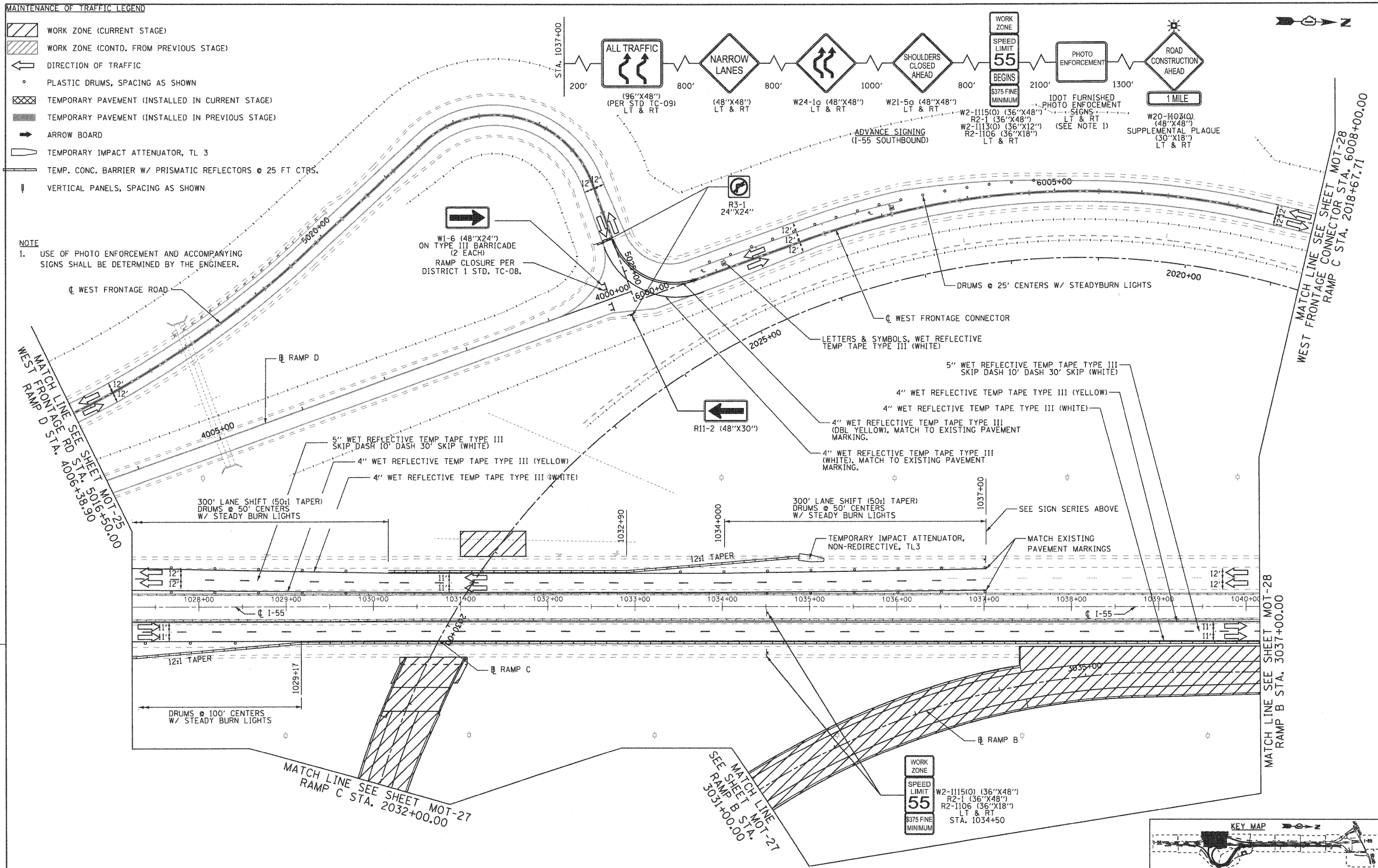


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|---|-------------------------|-------------------|-----------|---|---|--------------------------|-------------------|------------------------|----------------|---------------------|------------------|--|
| FILE NAME = ...XD160F12-SHT-STAGING202.dgn | USER NAME = gra | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 2 | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 111 | |
| | PLOT SCALE = 1/8"=1'-0" | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 2 OF 12 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| | PLOT DATE = 2/2/2011 | CHECKED - RY | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE - 02/04/2011 | REVISED - | | FINAL | | | | | | | |

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

NOTE
1. USE OF PHOTO ENFORCEMENT AND ACCOMPANYING SIGNS SHALL BE DETERMINED BY THE ENGINEER.



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| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...N0160F12-SHT-STAGING203.dgn | USER NAME = gra1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

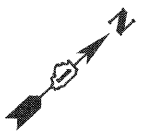
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

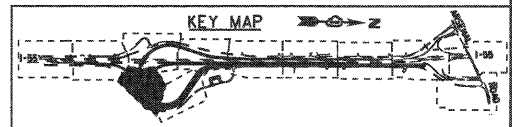
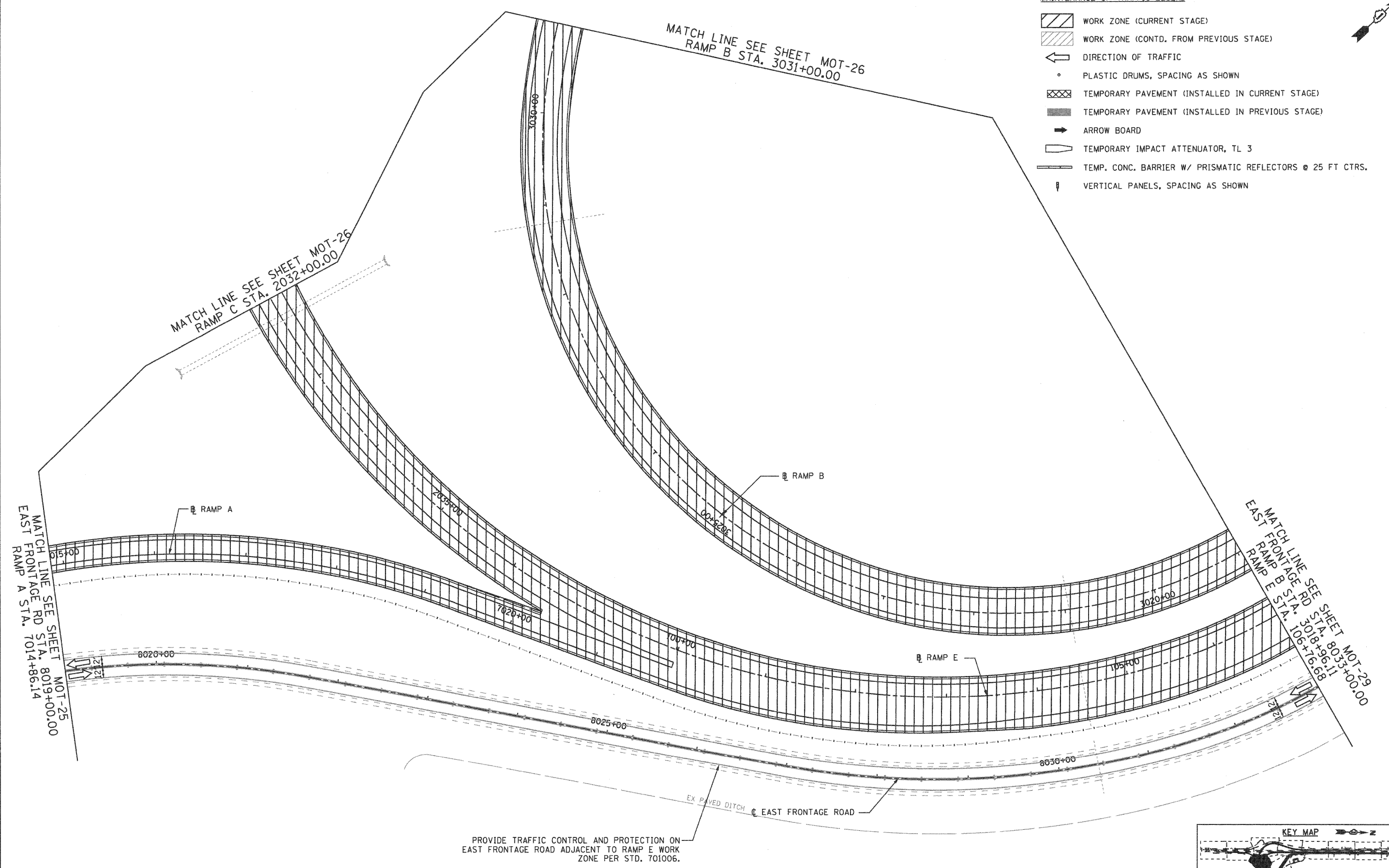
SCALE: 1"=50' SHEET NO. 3 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 112 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



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| | | | | | | | | | | | | |
|---|-------------------|-------------------|-----------|---|---|--------------------------|---------------------|------------------------|----------------|------------------------|---------------------|--|
| FILE NAME = ...ND168F12-SHT-STAGING204.dgn | USER NAME = g-01 | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 2 | | F.A.1 RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 113 | |
| PLOT SCALE = 1:50 | CHECKED - RY | DATE - 02/04/2011 | REVISED - | | SCALE: 1"=50' | SHEET NO. 4 OF 12 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISED - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |

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FILE NAME = ...\\160\F12-SHT-STAGING205.dgn
 PLOT SCALE = 1/50
 PLOT DATE = 2/2/2011

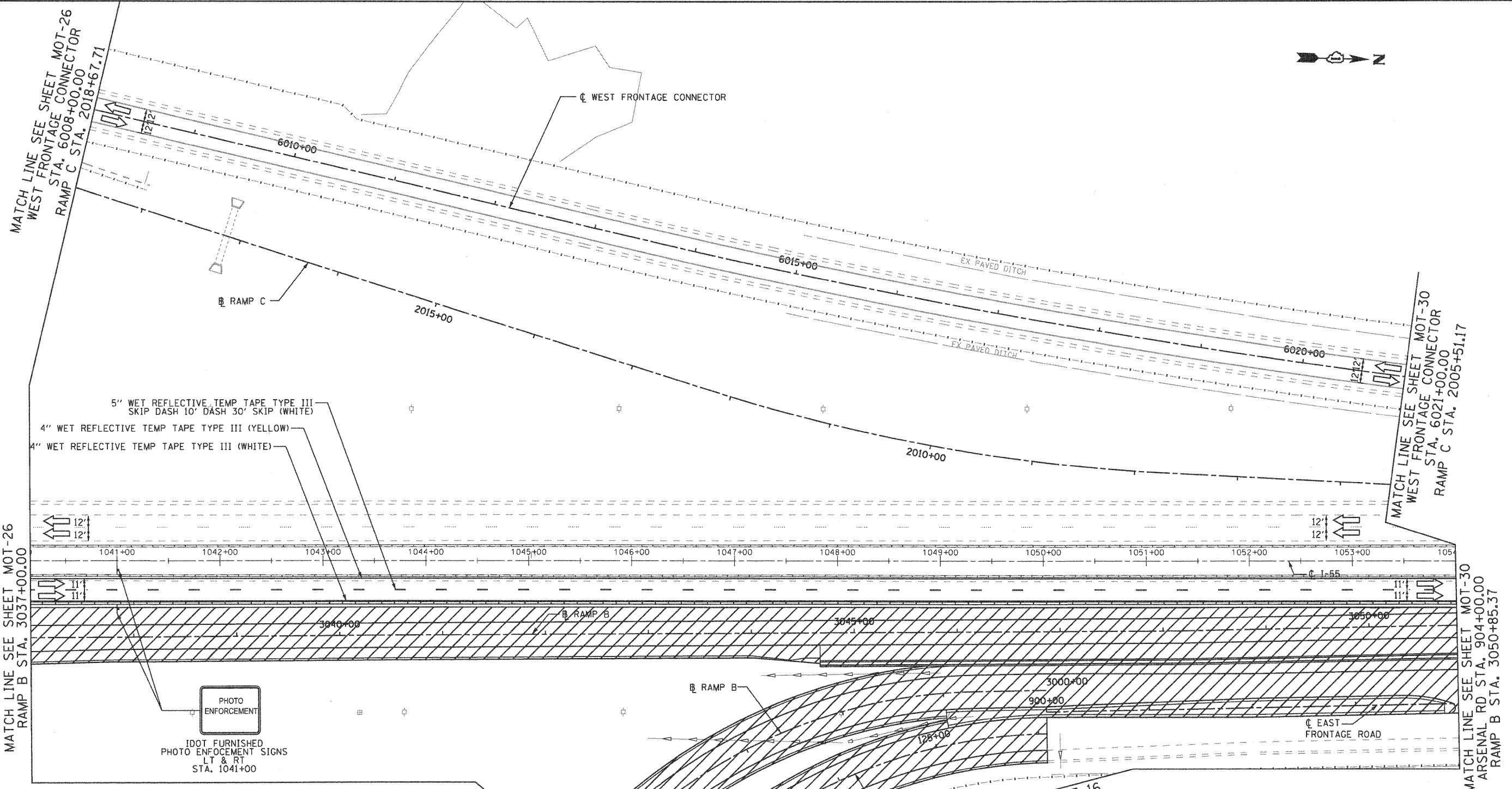
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|------------------|-------------------|-----------|
| USER NAME = gres | DESIGNED - GR | REVISED - |
| | DRAWN - GR | REVISED - |
| | CHECKED - RY | REVISED - |
| | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

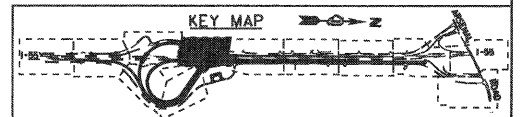
**MAINTENANCE OF TRAFFIC
 STAGE 2**

SCALE: 1"=50' SHEET NO. 5 OF 12 SHEETS STA. TO STA.











| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 114 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

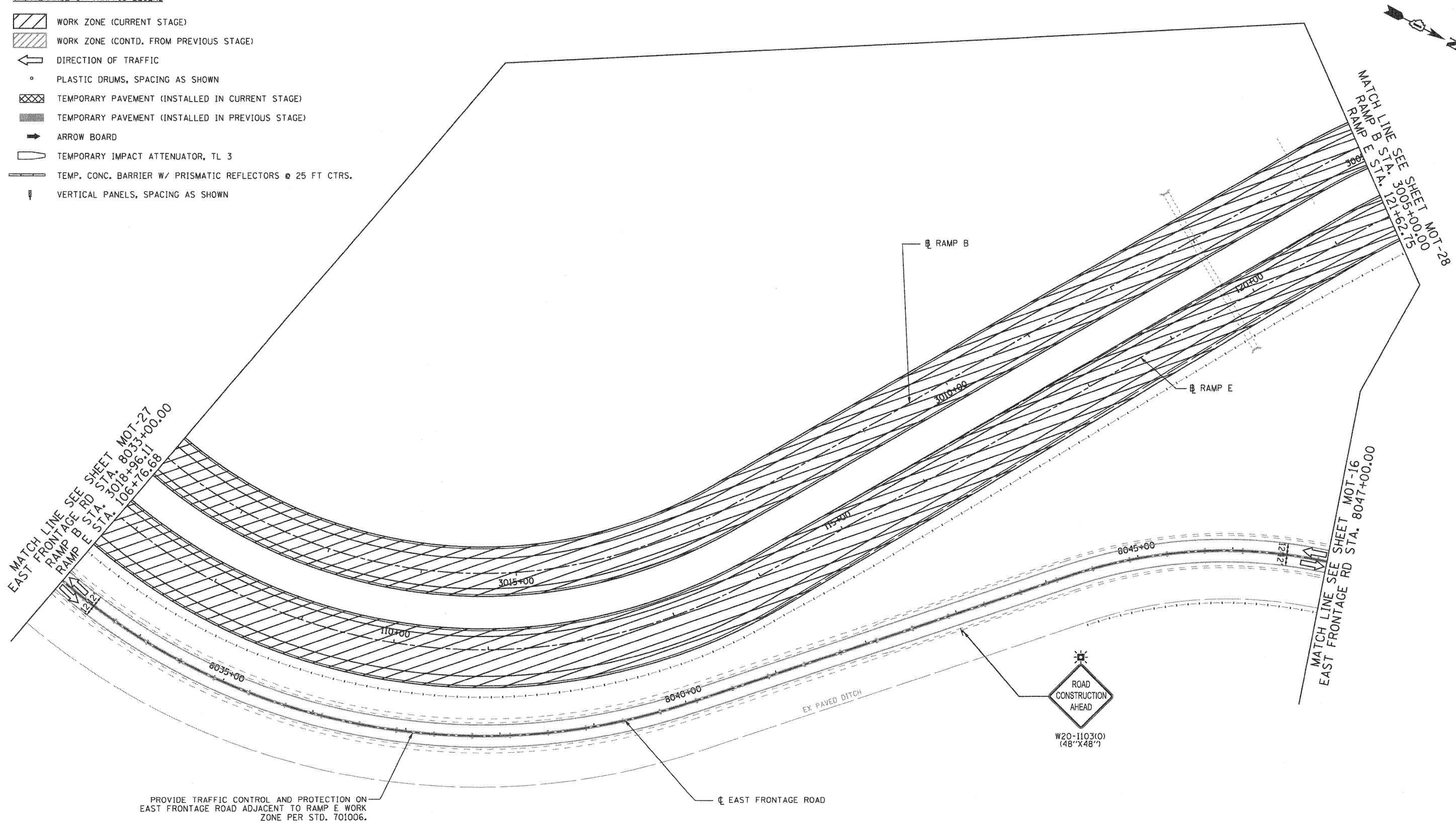


- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



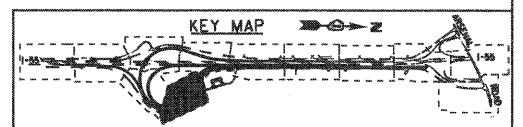
MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



PROVIDE TRAFFIC CONTROL AND PROTECTION ON EAST FRONTAGE ROAD ADJACENT TO RAMP E WORK ZONE PER STD. 701006.

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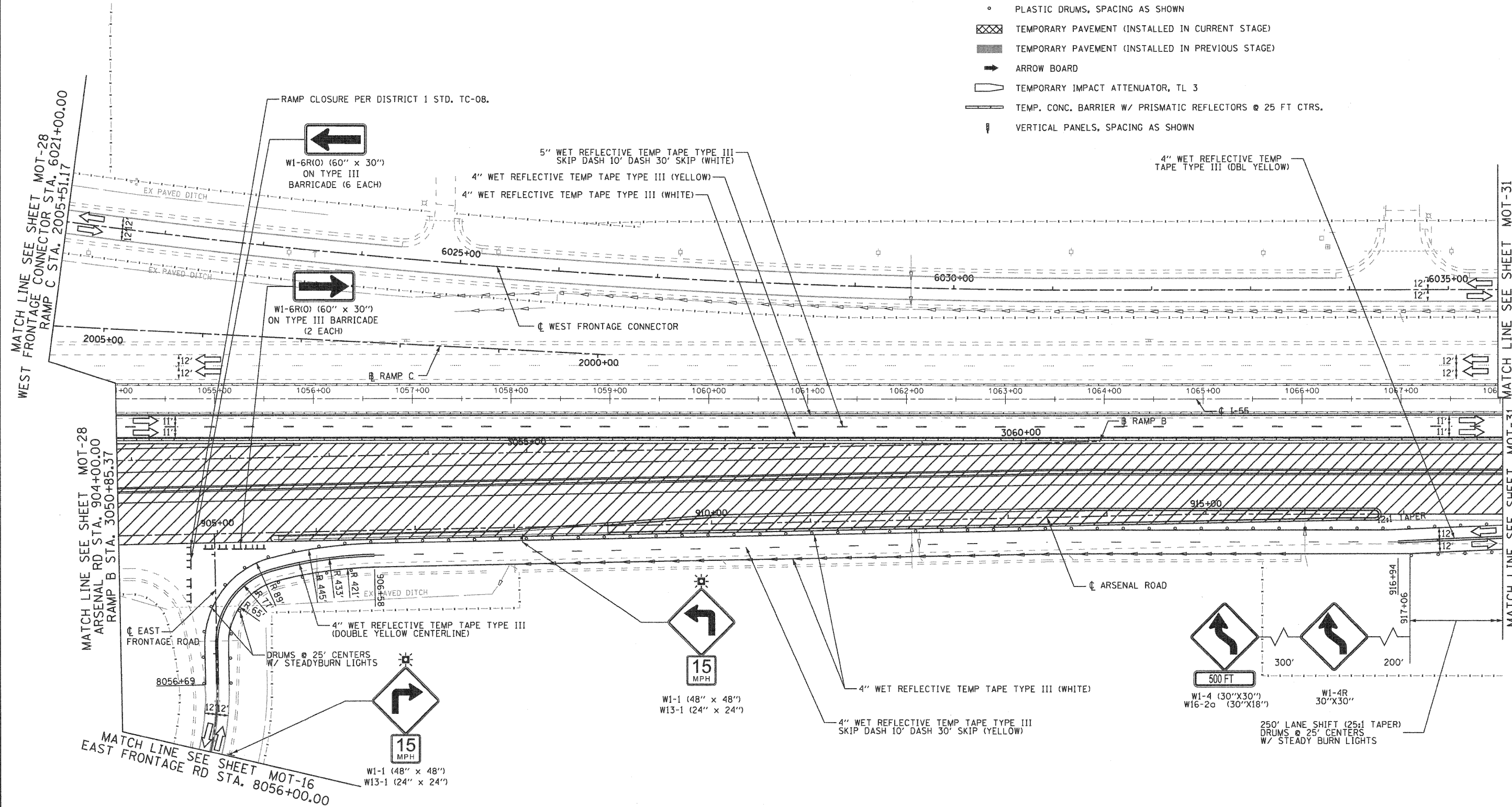
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|--|----------------------|-------------------|-----------|---|---|--------------------------|---------------------|------------------------|----------------|---------------------------|---------------------|
| FILE NAME = ...\\D160F12-SHT-STAGING206.dgn | USER NAME = gra1 | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 2 | | F.A.I RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 115 |
| | PLOT SCALE = 1:500 | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 6 OF 12 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | ILLINOIS FED. AID PROJECT | |
| | PLOT DATE = 2/2/2011 | CHECKED - RY | REVISED - | | | | | | | | |
| | | DATE - 02/04/2011 | REVISED - | | | | | | | | |

FINAL

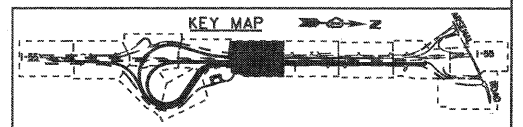
INSTALL WRONG WAY (R5-1a) AND DO NOT ENTER (R5-1) SIGNS ACCORDING TO PROPOSED SIGNING PLAN PRIOR TO OPENING RAMP E IN STAGE 3.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



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| | | | |
|--|-------------------|---------------|-----------|
| FILE NAME = ...D160F12-SHT-STAGING208.dgn | USER NAME = gms | DESIGNED - GR | REVISED - |
| PLOT SCALE = 1/8"=1' | CHECKED - RY | DRAWN - GR | REVISED - |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISOR - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION











MAINTENANCE OF TRAFFIC
STAGE 2

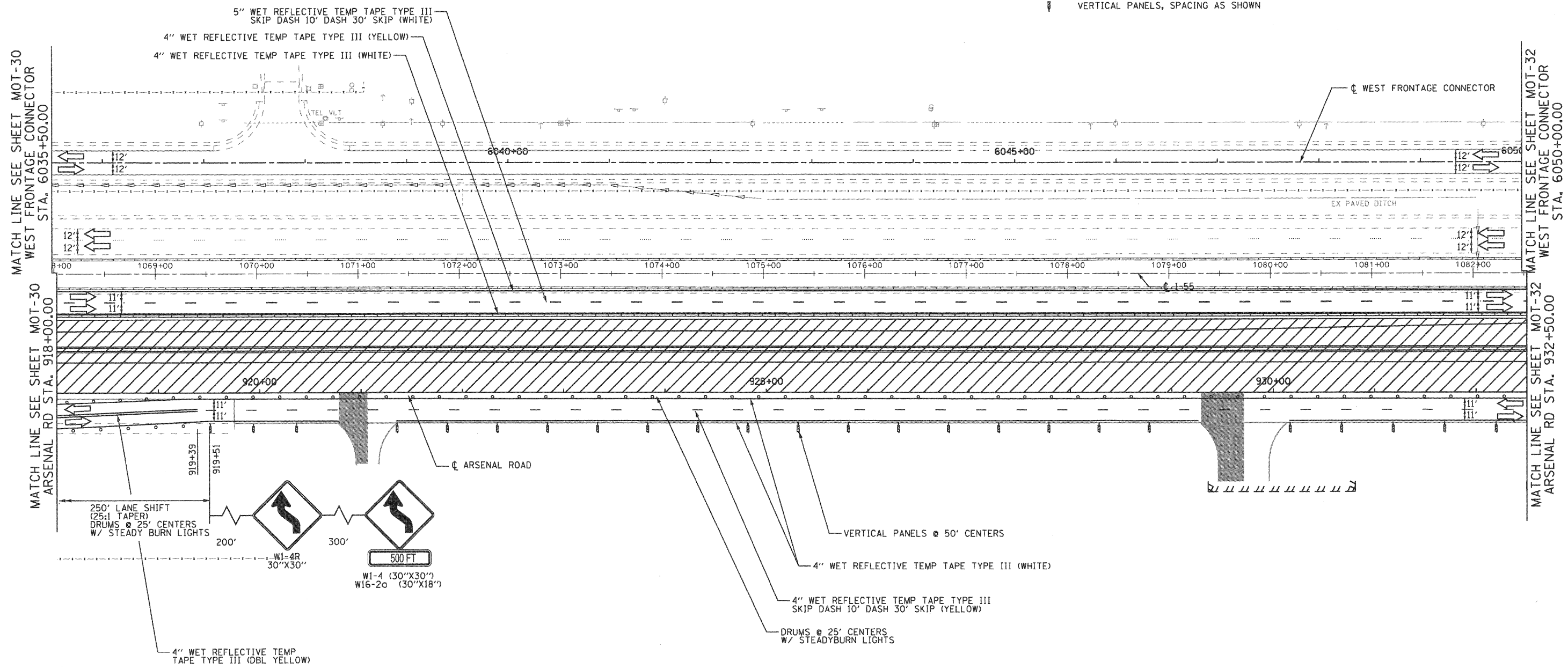
SCALE: 1"=50' SHEET NO. 7 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 116 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

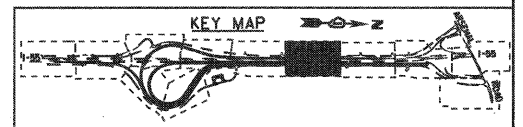
FINAL

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING209.dgn | USER NAME = g-01 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

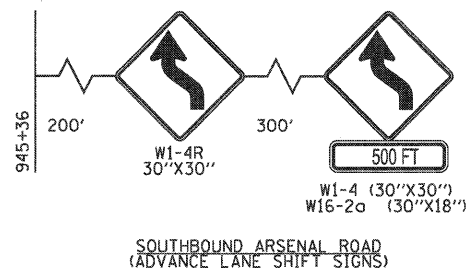
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. 8 OF 12 SHEETS STA. TO STA.

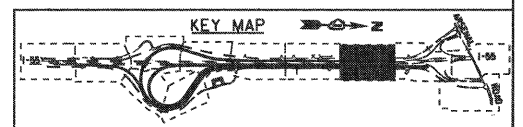
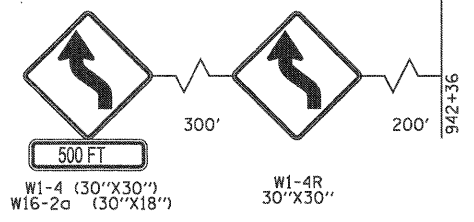
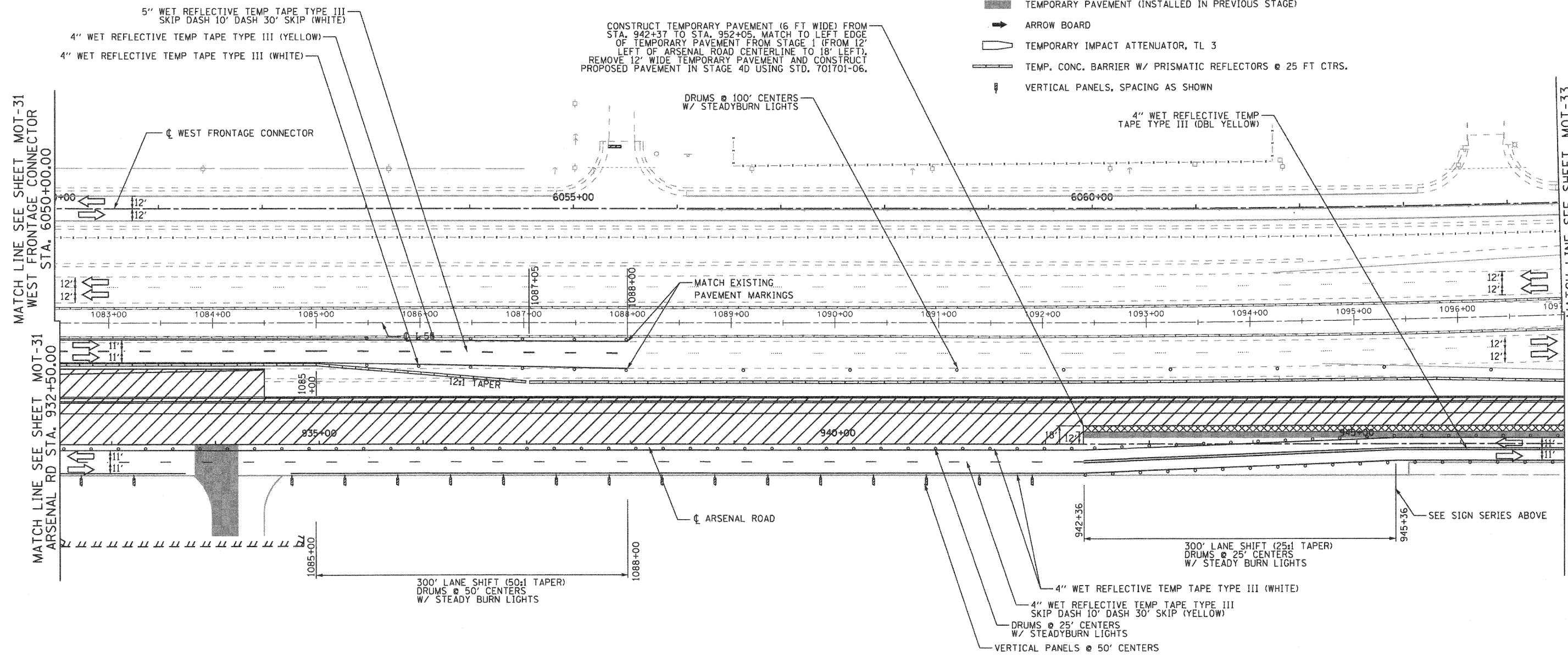
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|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 117 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



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| | | | |
|---|-----------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING218.dgn | USER NAME = gra | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

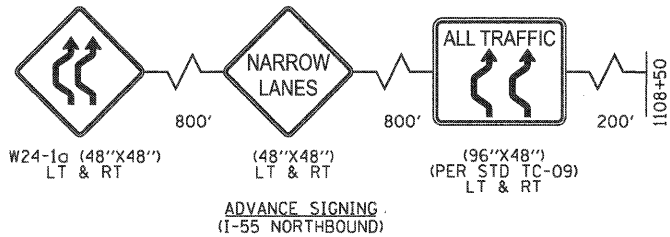
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1"=50' SHEET NO. 9 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 118 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

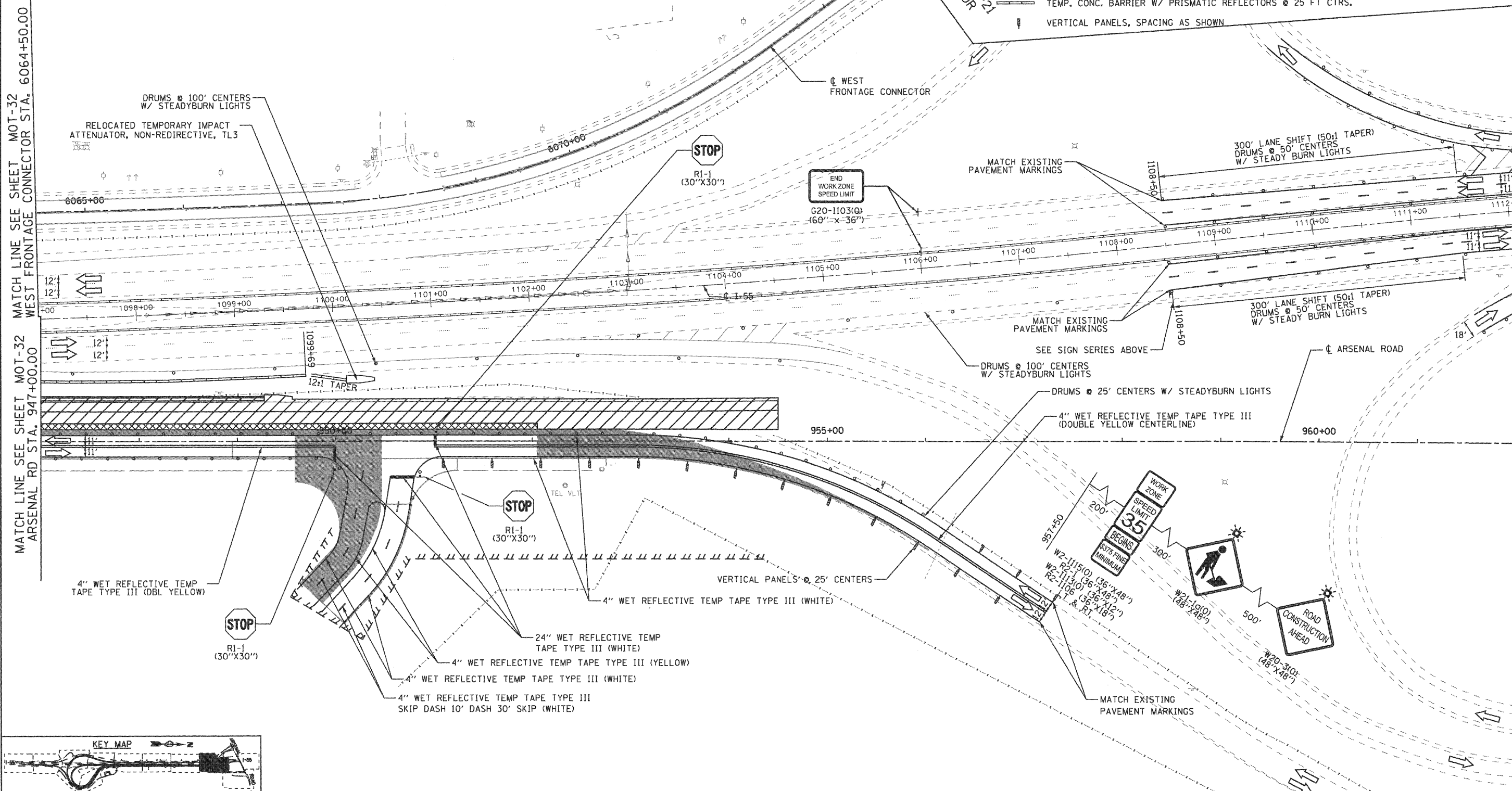


- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN

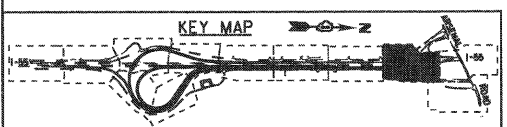


MATCH LINE SEE SHEET MOT-32 WEST FRONTAGE CONNECTOR STA. 6064+50.00

MATCH LINE SEE SHEET MOT-34 ARSENAL RD STA. 962+00.00



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| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...ND168F12-SHT-STAGING211.dgn | USER NAME = gra1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |
| | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

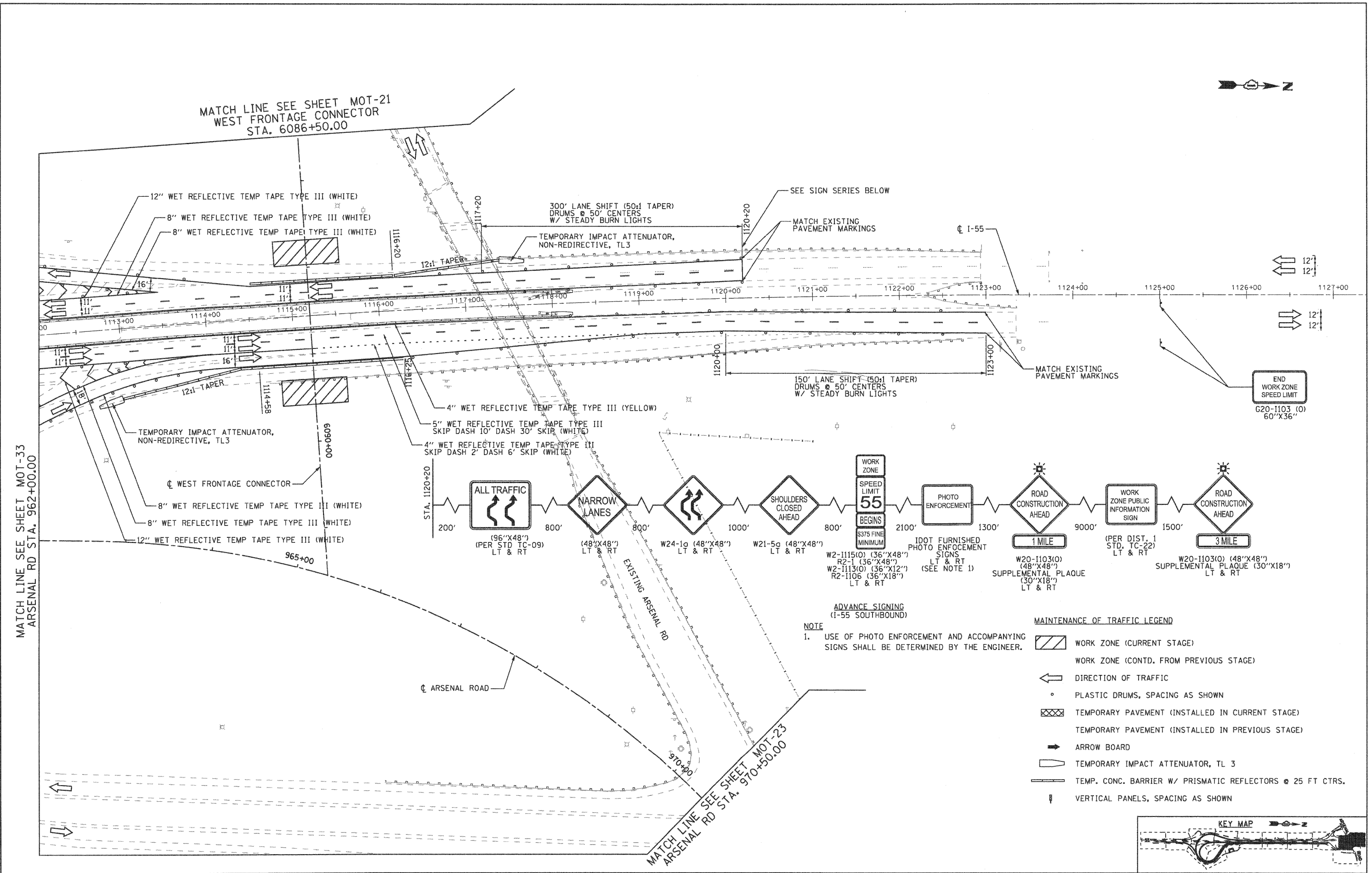
**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. 10 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 119 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

EJM ENGINEERING, INC.
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Chicago, Illinois 60607



FILE NAME =
...N0168F12-SHT-STAGING213.dgn

USER NAME = gra1
PLOT SCALE = 1/8"=1'-0"
PLOT DATE = 2/2/2011

DESIGNED - GR
DRAWN - GR
CHECKED - RY
DATE - 02/04/2011

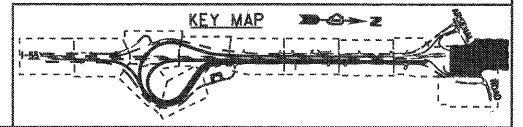
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. 11 OF 12 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 120 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |













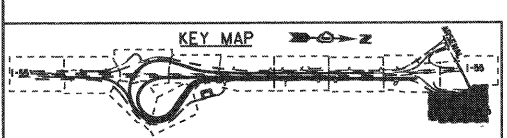
FINAL



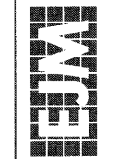
MATCH LINE SEE SHEET MOT-34
ARSENAL RD STA. 9070+50.00

INSTALL TEMPORARY PAVEMENT USING
SHOULDER CLOSURE PER STD. 701326

- MAINTENANCE OF TRAFFIC LEGEND**
-  WORK ZONE (CURRENT STAGE)
 -  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 -  DIRECTION OF TRAFFIC
 -  PLASTIC DRUMS, SPACING AS SHOWN
 -  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 -  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 -  ARROW BOARD
 -  TEMPORARY IMPACT ATTENUATOR, TL 3
 -  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 -  VERTICAL PANELS, SPACING AS SHOWN



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| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING214.dgn | USER NAME = g-01 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |
| | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**











**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. 12 OF 12 SHEETS STA. TO STA.

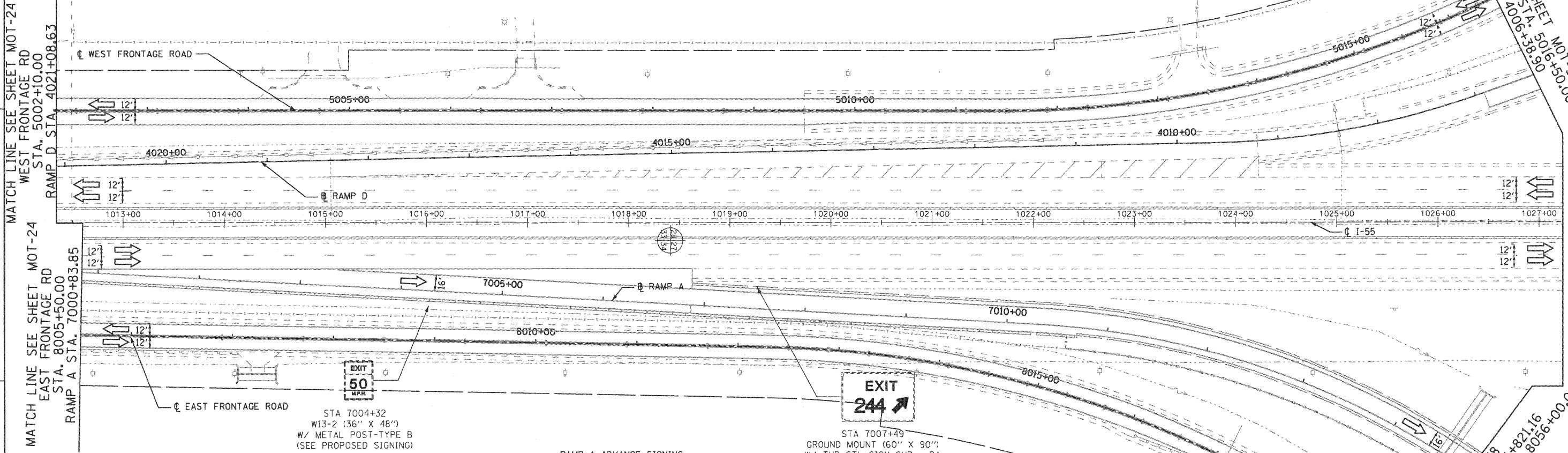
| | | | | |
|-----------------------|------------------------|----------------|---------------------------|---------------------|
| P.A.1 RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 121 |
| FED. ROAD DIST. NO. 1 | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 60F12 | | | | |

FINAL

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN

ACCESS TO EXPRESSWAY WORK ZONES:
 CONTRACTOR SHALL PROVIDE ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 FROM EAST FRONTAGE ROAD, ARSENAL ROAD, AND WEST FRONTAGE CONNECTOR. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 SHALL NOT BE ALLOWED FROM THE EXPRESSWAY.



STA 7004+32
 W13-2 (36" X 48")
 W/ METAL POST-TYPE B
 (SEE PROPOSED SIGNING)

RAMP A ADVANCE SIGNING
 TO BE INSTALLED PRIOR TO IMPLEMENTATION OF STAGE 3
 (SEE PROPOSED SIGNING PLANS)

STA 7007+49
 GROUND MOUNT (60" X 90")
 W/ TUB STL SIGN SUP - BA
 (SEE PROPOSED SIGNING)

EXIT 244
Arsenal Rd ↗

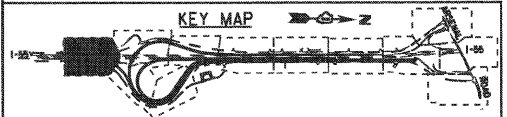
EXIT 244
Arsenal Rd
 1 MILE

EXIT 244
Arsenal Rd
 1/2 MILE

EXIT 244
Arsenal Rd
 2 MILES

ACCIDENT INVESTIGATION SITE
EXIT 244

(ABOUT 1000' SOUTH OF ARSENAL Rd 1/2 MILE ADVANCE SIGN)
 GROUND MOUND (114" X 72")
 W/ STRUCTURAL STEEL
 SIGN SUPPORT-BREAKAWAY













| | | | | | | | | | | | | |
|---|-------------------------|-------------------|-----------|---|---|--------------------------|------|------------------|---------------------------|----------------|---------------------|------------------|
| FILE NAME = ...ND160F12-SHT-STAGING302.dgn | USER NAME = gres | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 3 | | | F.A.I RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 122 |
| | PLOT SCALE = 1/8"=1'-0" | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 1 OF 12 SHEETS | STA. | TO STA. | CONTRACT NO. 60F12 | | | |
| | PLOT DATE = 2/2/2011 | CHECKED - RY | REVISED - | | | | | | ILLINOIS FED. AID PROJECT | | | |
| | | DATE - 02/04/2011 | REVISED - | | | | | | | | | |

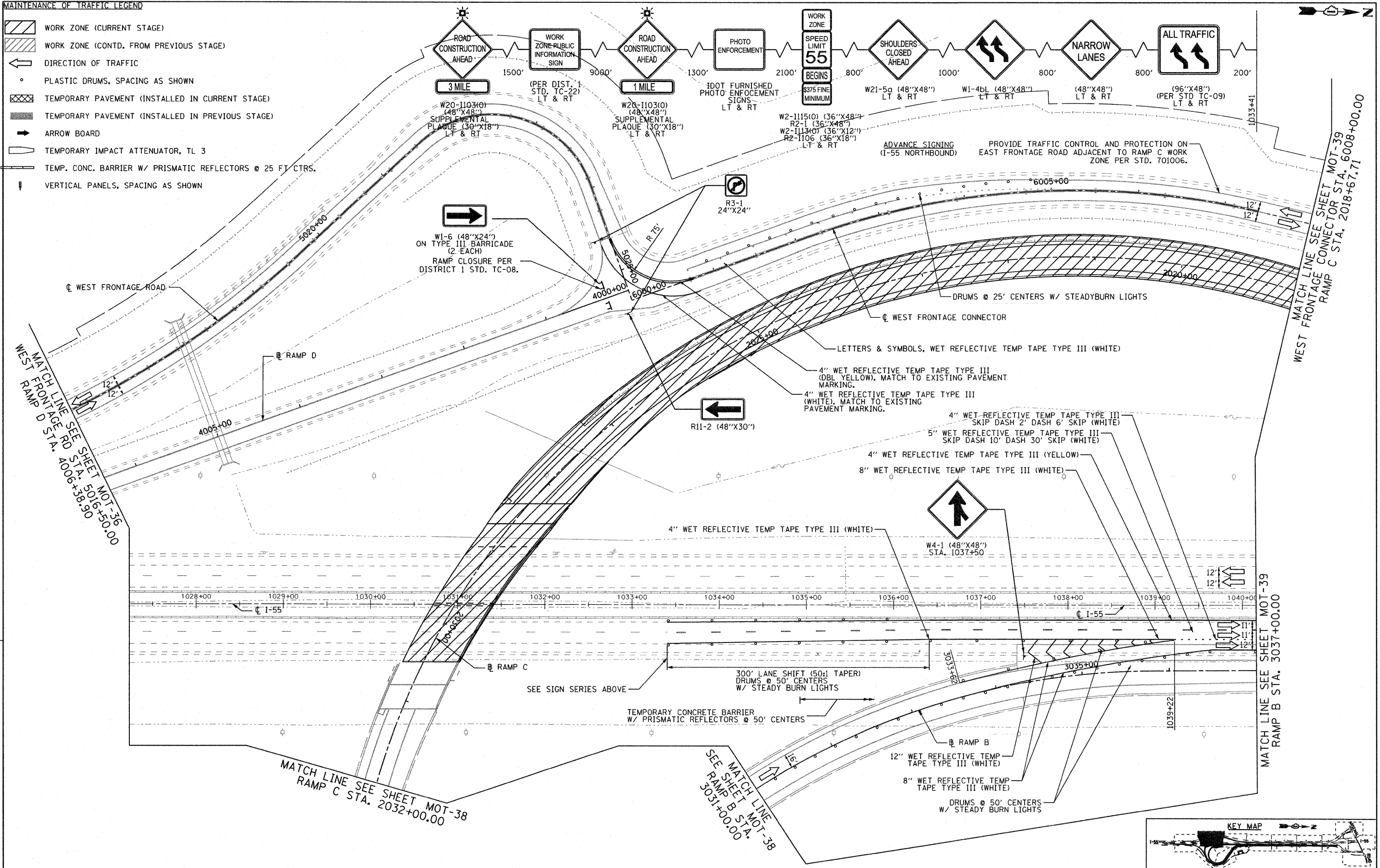
EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607



FINAL

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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 Chicago, Illinois 60607

| | | | |
|---------------------------------|-----------------------|-------------------|-----------|
| FILE NAME = | USER NAME = gra | DESIGNED - GR | REVISED - |
| ...\\DI60F12-SHT-STAGING303.dgn | | DRAWN - GR | REVISED - |
| | PLOT SCALE = 1/50 | CHECKED - RY | REVISED - |
| | PLOT DATE = 2/23/2011 | DATE - 02/04/2011 | REVISED - |

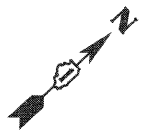
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 3**

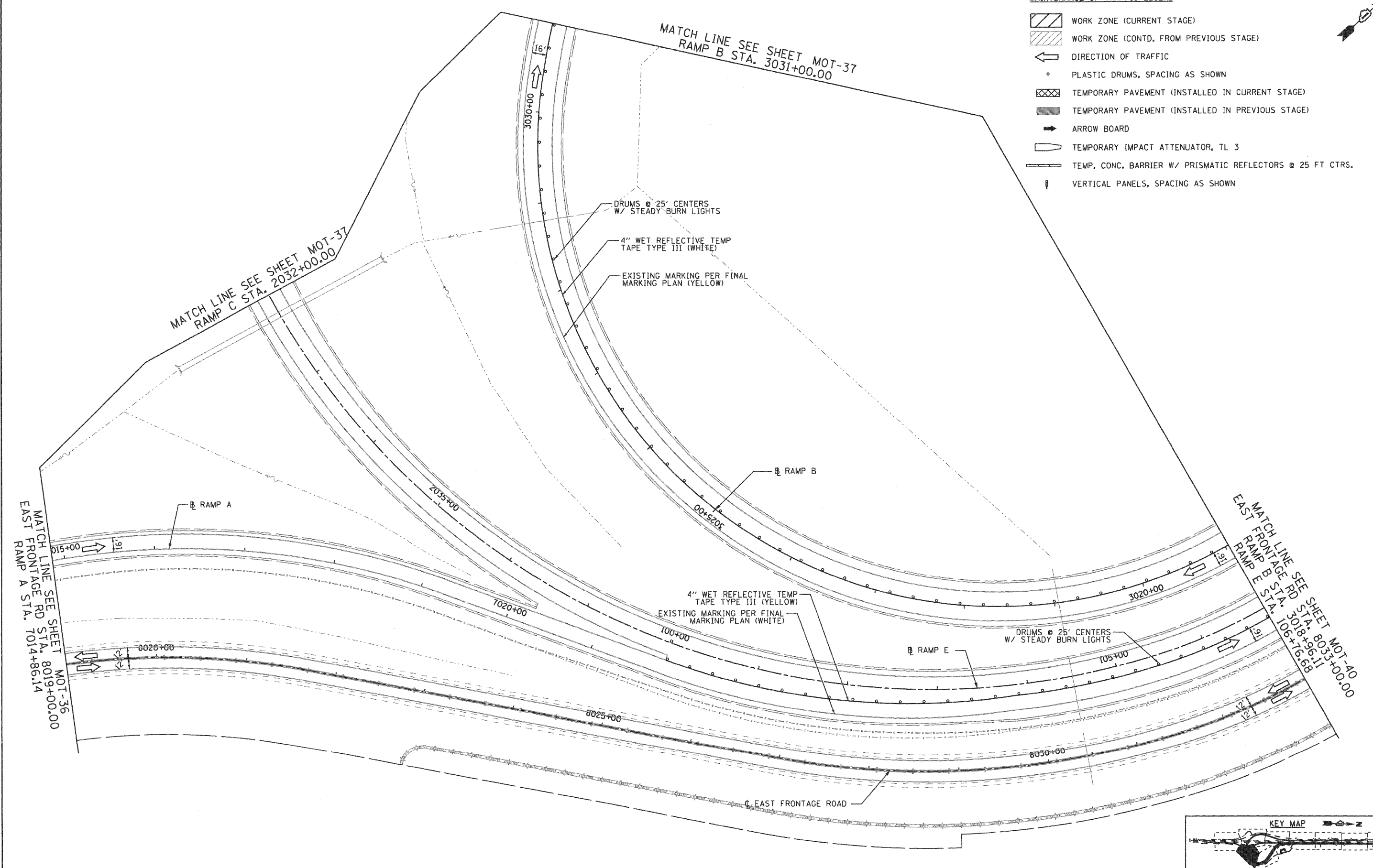
SCALE: 1"=50' SHEET NO. 2 OF 12 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|--------------------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 123 |
| | | | | CONTRACT NO. 60F12 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

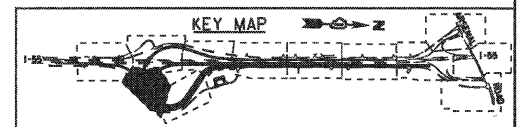
FINAL



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



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 411 South Wells Street Suite 800
 Chicago, Illinois 60607



| | | | | | | | | | | | | |
|---|-------------------|-------------------|-----------|---|---|--------------------------|-------------------|------------------------|----------------|---------------------|------------------|--|
| FILE NAME = ...ND160F12-SHT-STAGING304.dgn | USER NAME = gres | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 3 | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 124 | |
| PLOT SCALE = 1:500 | CHECKED - RY | DATE - 02/04/2011 | REVISED - | | SCALE: 1"=50' | SHEET NO. 3 OF 12 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISED - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |

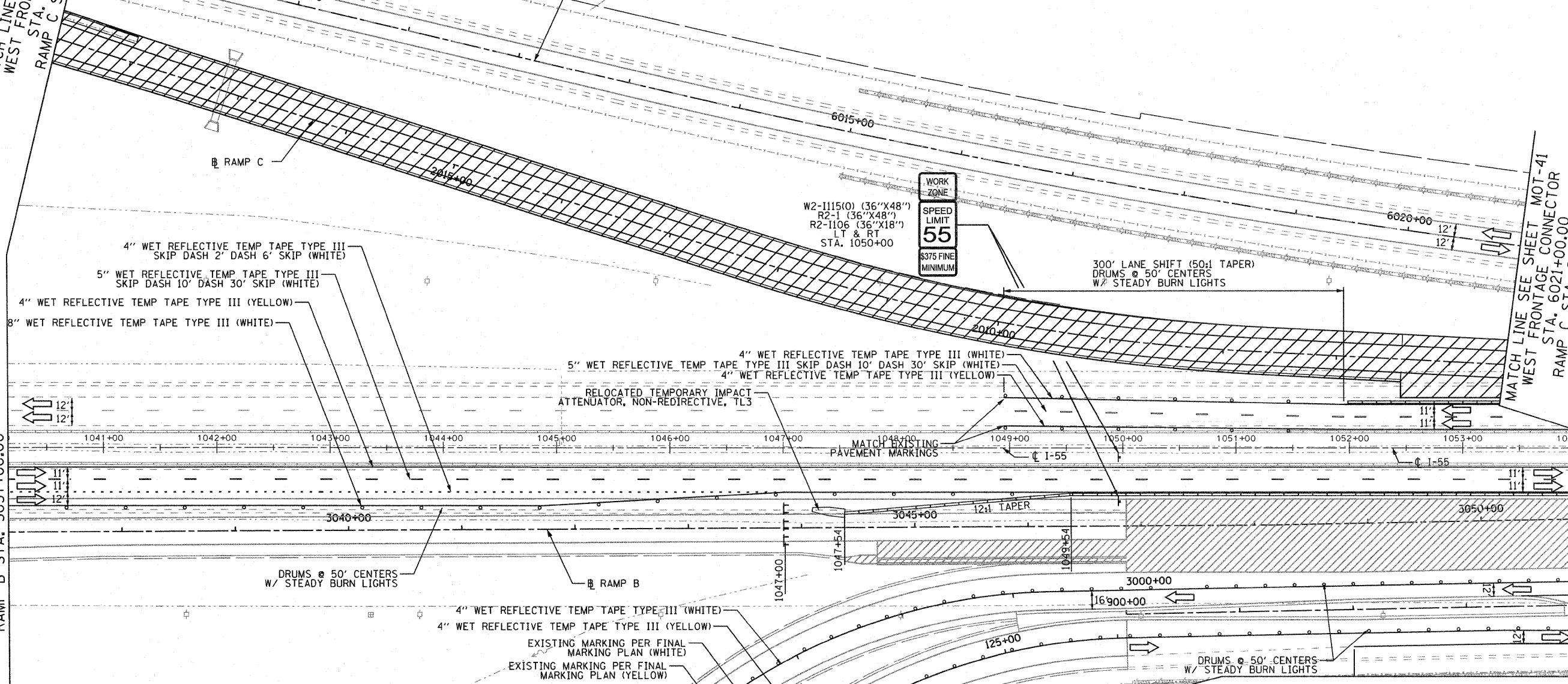


MATCH LINE SEE SHEET MOT-37
WEST FRONTAGE CONNECTOR
RAMP C STA. 6008+00.00
RAMP C STA. 2018+67.71

PROVIDE TRAFFIC CONTROL AND PROTECTION ON EAST FRONTAGE ROAD ADJACENT TO RAMP C WORK ZONE PER STD. 701006.

WEST FRONTAGE CONNECTOR

MATCH LINE SEE SHEET MOT-37
RAMP B STA. 3037+00.00



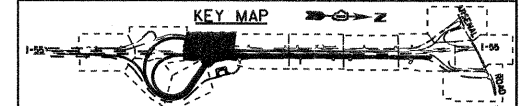
MATCH LINE SEE SHEET MOT-41
WEST FRONTAGE CONNECTOR
RAMP C STA. 6021+00.00
RAMP C STA. 2005+51.17

MATCH LINE SEE SHEET MOT-41
ARSENAL RD STA. 904+00.00
RAMP B STA. 3050+85.37

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

MATCH LINE SEE SHEET MOT-40
RAMP B STA. 3005+00.00
RAMP E STA. 121+62.75



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Chicago, Illinois 60607

| | | | |
|---------------------------------|------------------|-------------------|-----------|
| FILE NAME = | USER NAME = grot | DESIGNED - GR | REVISED - |
| ...\\D168F12-SHT-STAGING385.dgn | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION











MAINTENANCE OF TRAFFIC
STAGE 3

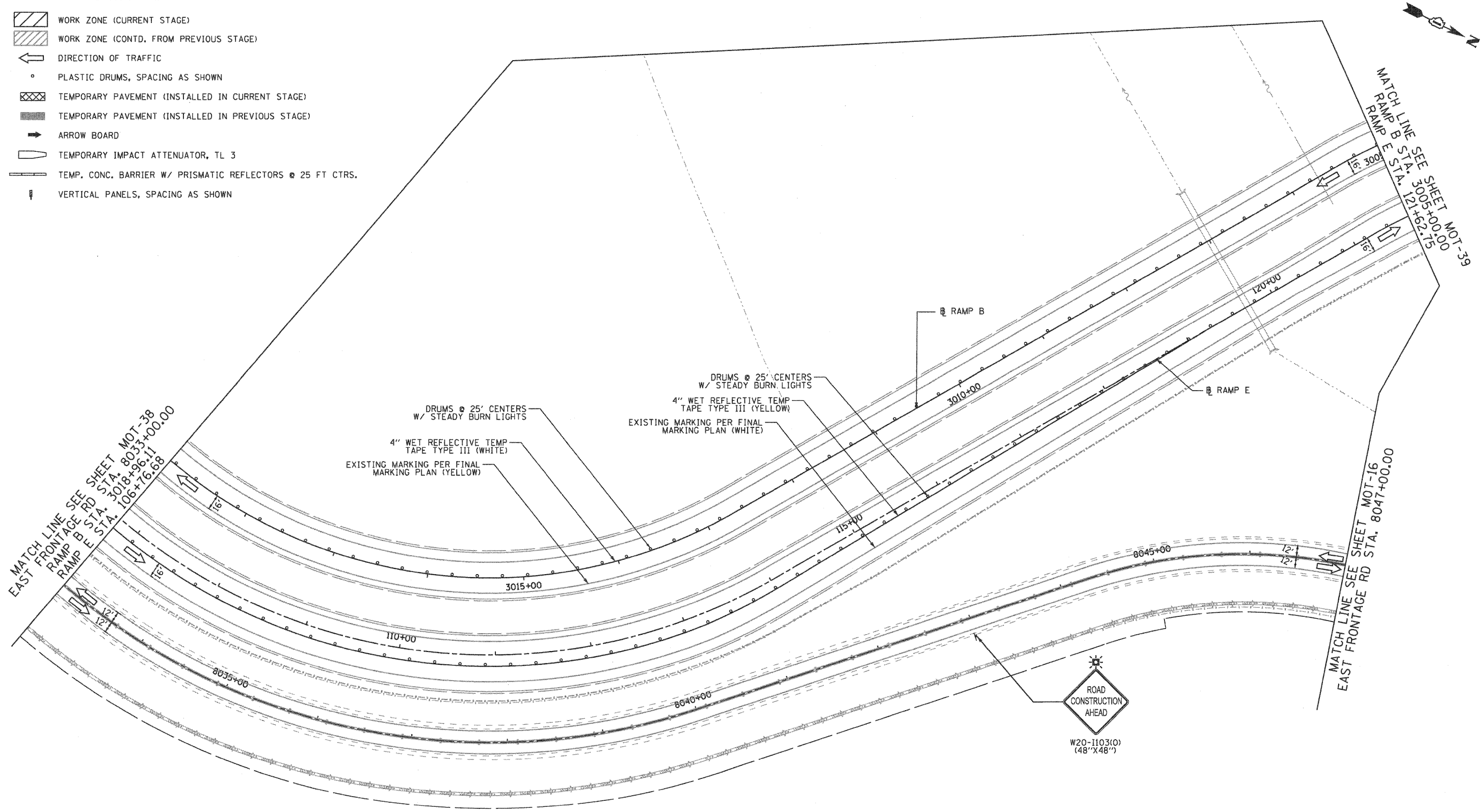
SCALE: 1"=50' SHEET NO. 4 OF 12 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 125 |
| CONTRACT NO. 60F12 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

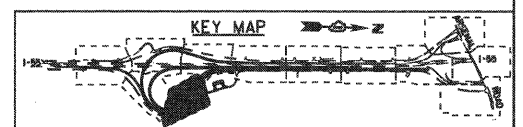
FINAL

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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 Chicago, Illinois 60607



| | | | | | | | | | | | |
|---|----------------------|---------------|-----------|---|---|----------------|---------------------|---|------------------|---------------|--------------------|
| FILE NAME = ...ND160F12-SHT-STAGING306.dgn | USER NAME = grol | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 3 | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 126 | CONTRACT NO. 60F12 |
| PLOT SCALE = 1/8"=1'-0" | PLOT DATE = 2/2/2011 | DRAWN - GR | REVISED - | SCALE: 1"=50' | SHEET NO. 5 OF 12 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | |
| CHECKED - RY | DATE - 02/04/2011 | REVISED - | REVISED - | FINAL | | | | | | | |

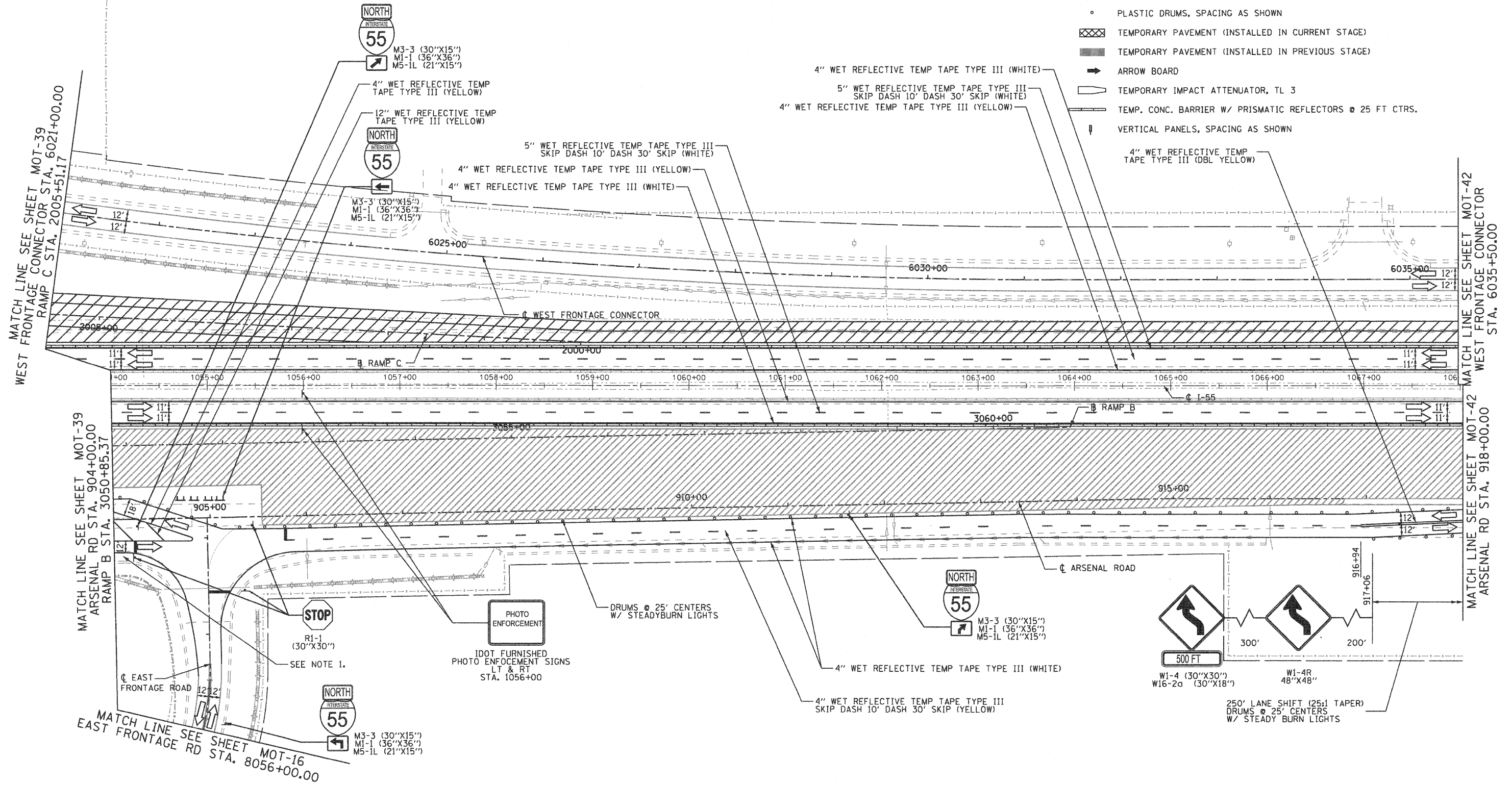
EJM ENGINEERING, INC.
411 South Wells Street Suite 800
Chicago, Illinois 60607



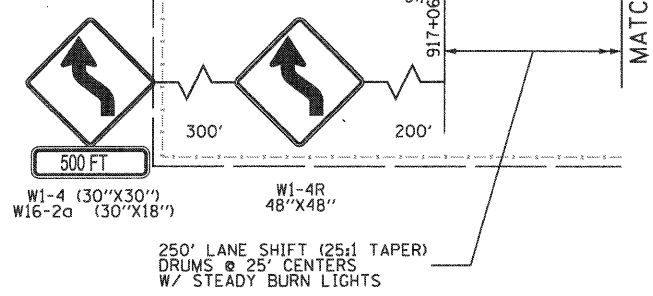
NOTES:
I. INSTALL WRONG WAY (R5-1a) AND DO NOT ENTER (R5-1) SIGNS ACCORDING TO PROPOSED SIGNING PLAN PRIOR TO OPENING RAMP E.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



MATCH LINE SEE SHEET MOT-16
EAST FRONTAGE RD STA. 8056+00.00



| | | | |
|--------------------------------|-------------------------|-------------------|-----------|
| FILE NAME = | USER NAME = gres | DESIGNED - GR | REVISED - |
| ...ND160F12-SHT-STAGING308.dgn | | DRAWN - GR | REVISED - |
| | PLOT SCALE = 1/8"=1'-0" | CHECKED - RY | REVISED - |
| | PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

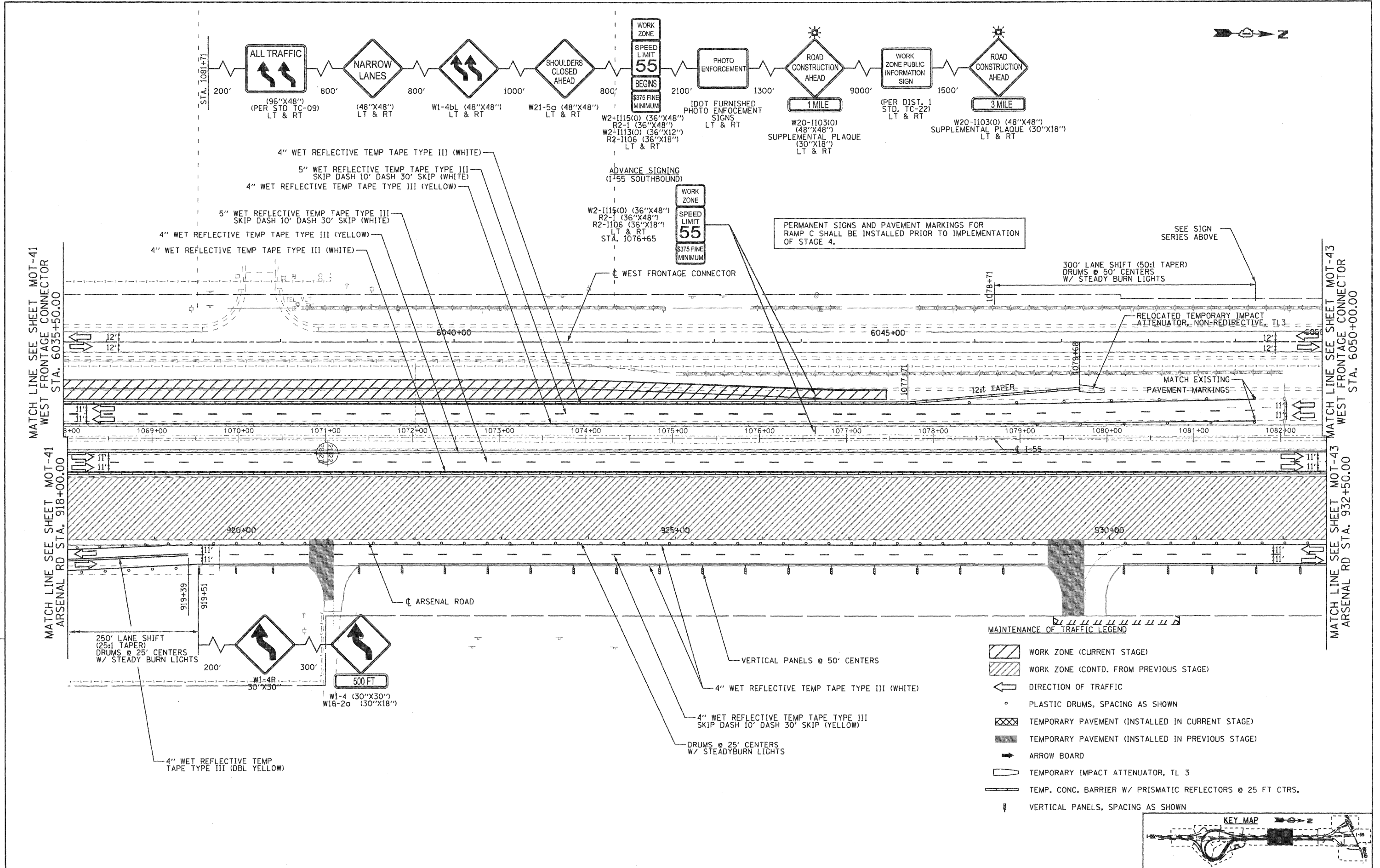
**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 6 OF 12 SHEETS STA. TO STA.

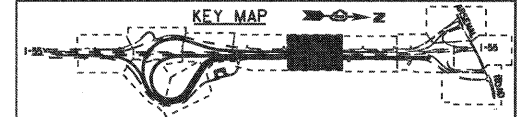
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|---|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 127 |
| CONTRACT NO. 60F12 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

FINAL

EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



| | | | |
|---|----------------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING309.dgn | USER NAME = gr01 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | PLOT SCALE = 1:500 | CHECKED - RY | REVISED - |
| | PLOT DATE = 2/2/2011 | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 3**

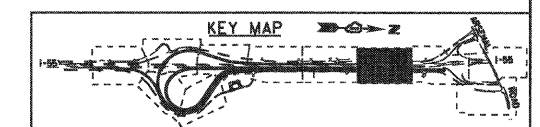
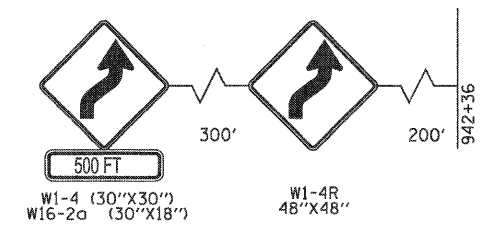
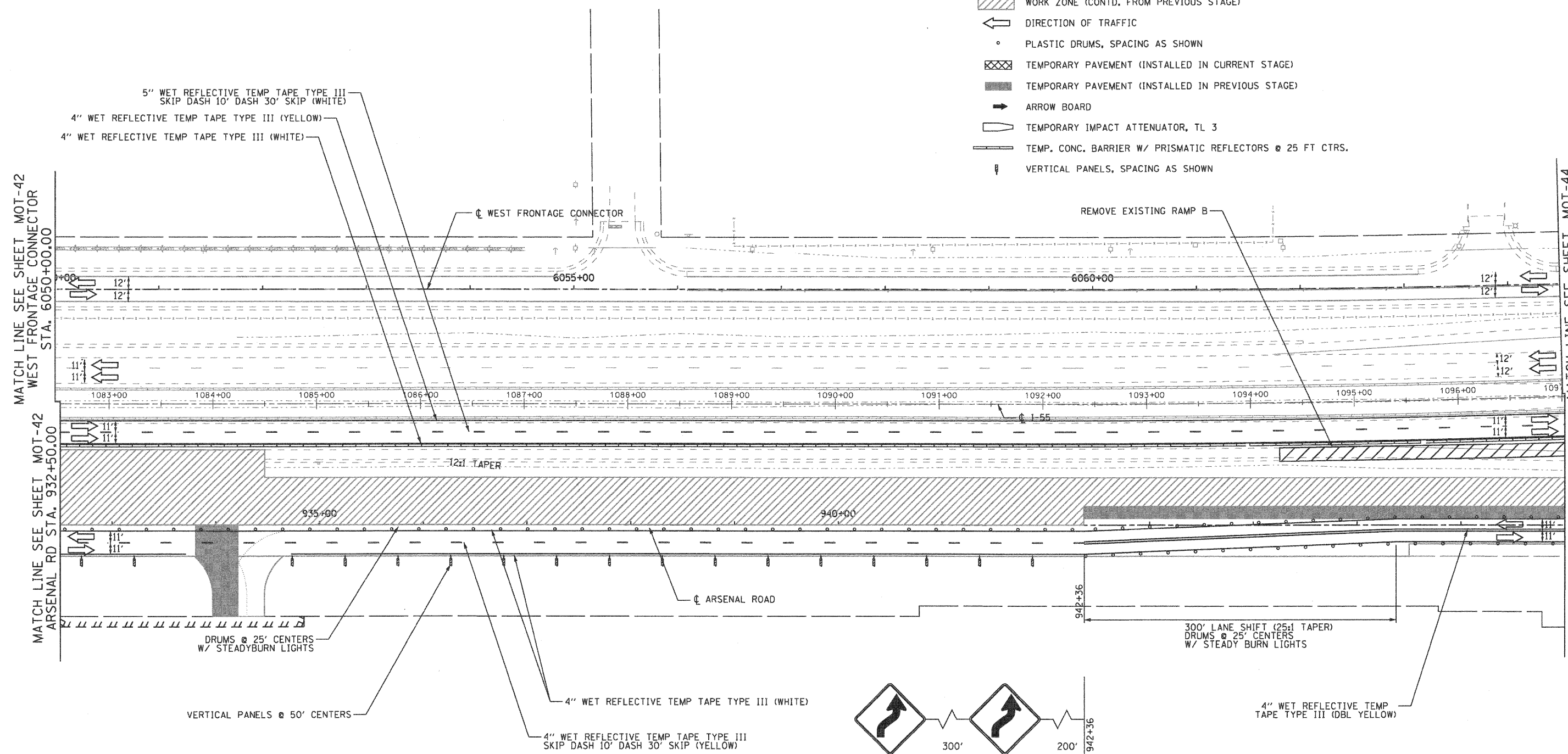
SCALE: 1"=50' SHEET NO. 7 OF 12 SHEETS STA. TO STA.

| | | | | |
|--------------------|------------------------|----------------|---------------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 128 |
| CONTRACT NO. 60F12 | | | ILLINOIS FED. AID PROJECT | |

FINAL



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



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 411 South Wells Street Suite 800
 Chicago, Illinois 60607



| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING310.dgn | USER NAME = gpa1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |
| | | | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

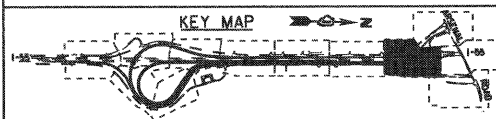
**MAINTENANCE OF TRAFFIC
 STAGE 3**

SCALE: 1"=50' SHEET NO. 8 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 129 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

FINAL

EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607



FILE NAME = ...ND168F12-SHT-STAGING311.dgn
 USER NAME = gmat
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 2/2/2011

DESIGNED - GR
 DRAWN - GR
 CHECKED - RY
 DATE - 02/04/2011

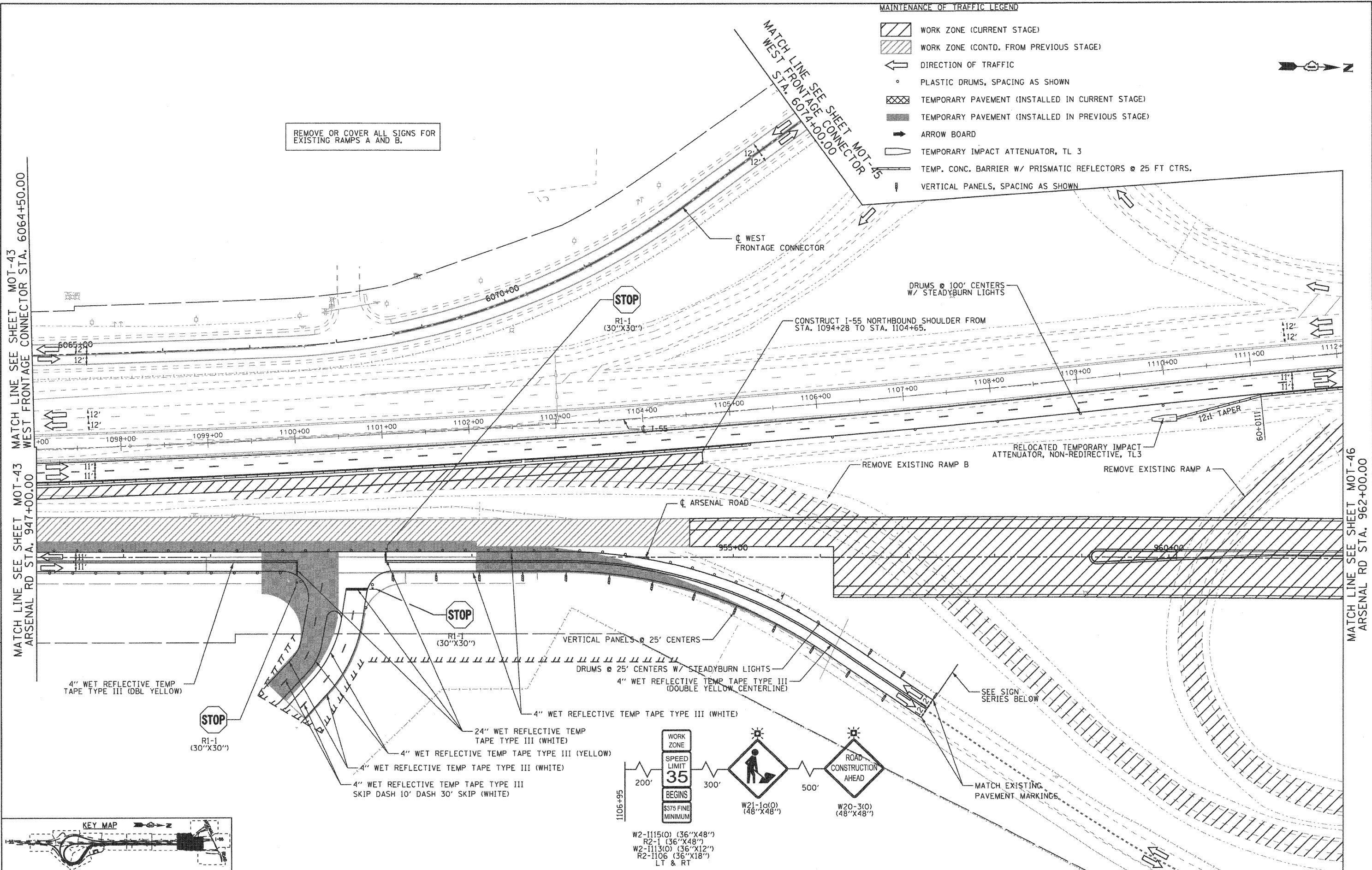
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

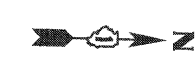
**MAINTENANCE OF TRAFFIC
 STAGE 3**

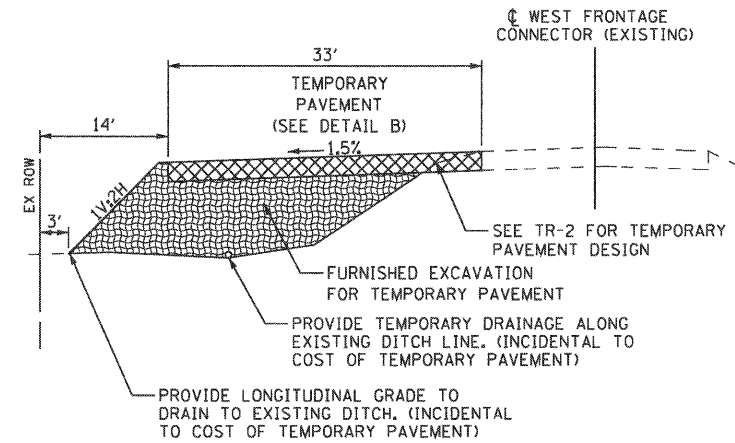
SCALE: 1"=50' SHEET NO. 9 OF 12 SHEETS STA. TO STA.

| | | | | |
|---|-------------|--------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 55 | 99-2HB-2B-1 | WILL | 756 | 130 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



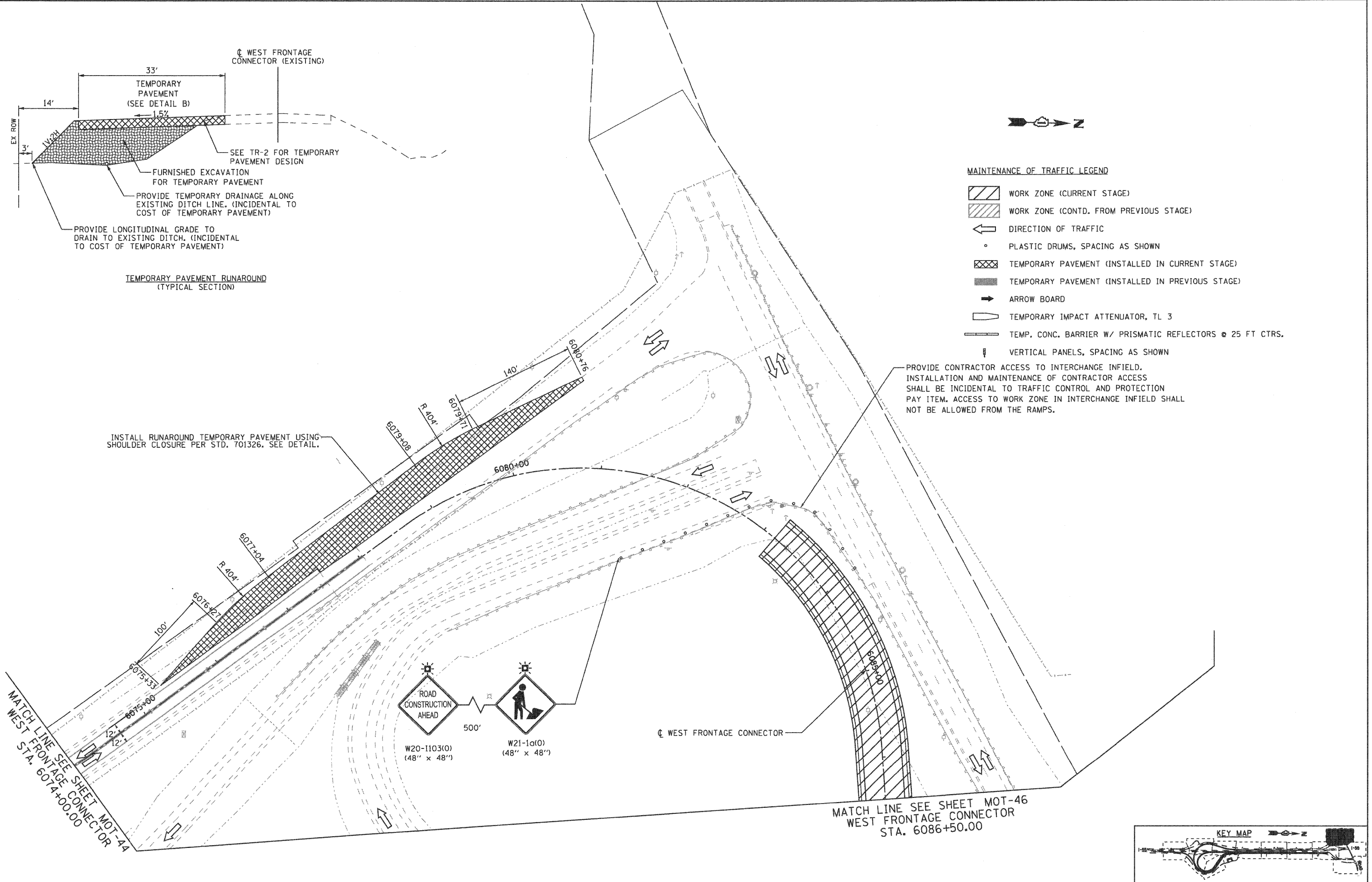


TEMPORARY PAVEMENT RUNAROUND (TYPICAL SECTION)

- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN

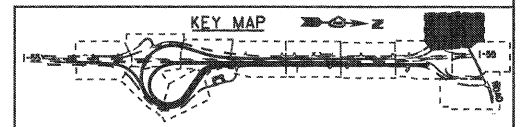
PROVIDE CONTRACTOR ACCESS TO INTERCHANGE INFIELD. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONE IN INTERCHANGE INFIELD SHALL NOT BE ALLOWED FROM THE RAMPS.

INSTALL RUNAROUND TEMPORARY PAVEMENT USING SHOULDER CLOSURE PER STD. 701326. SEE DETAIL.



MATCH LINE SEE SHEET MOT-44 WEST STA. 6074+00.00

MATCH LINE SEE SHEET MOT-46 WEST FRONTAGE CONNECTOR STA. 6086+50.00



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FILE NAME = ...\\D160F12-SHT-STAGING312.dgn
USER NAME = grot
PLOT SCALE = 1/50
PLOT DATE = 2/2/2011

DESIGNED - GR
DRAWN - GR
CHECKED - RY
DATE - 02/04/2011

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 10 OF 12 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 131 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |



MATCH LINE SEE SHEET MOT-45
WEST FRONTAGE CONNECTOR
STA. 6086+50.00

CONSTRUCT 1-55 NORTHBOUND SHOULDER FROM
STA. 1112+30 TO STA. 1121+26.

SHOULDER CLOSURE PER DISTRICT 1 STD. TC-17

300' LANE SHIFT (50:1 TAPER)
DRUMS @ 50' CENTERS
W/ STEADY BURN LIGHTS

WEST FRONTAGE CONNECTOR

RAISE CURB, CUTTER, AND MEDIAN SHALL NOT BE
CONSTRUCTED FROM STA. 966+00 TO STA. 969+23.
INSTALL TEMPORARY PAVEMENT FOR CROSSOVER
IN STAGE 4.

EXISTING ARSENALE RD

ARSENALE ROAD

RAMP CLOSURE PER DISTRICT 1 STD. TC-08.

REMOVE EXISTING SIGNAL INSTALLATION
PER TR-04.

PERMANENT SIGNAL INSTALLATION
PER TR-08 AND TR-09. TRAFFIC SIGNALS
SHALL BE ACTIVATED PRIOR TO STAGE 4D.

REMOVE EXISTING RAMP A. ARSENALE ROAD
SHOULDER CLOSURE PER STD. 701006.

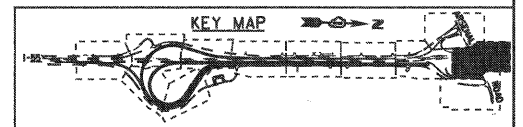
REMOVE EXISTING RAMP B. ARSENALE ROAD
SHOULDER CLOSURE PER STD. 701006.

MATCH LINE SEE SHEET MOT-47
ARSENALE RD STA. 970+50.00

MATCH LINE SEE SHEET MOT-44
ARSENALE RD STA. 962+00.00

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



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FILE NAME = ...ND168F12-SHT-STAGING313.dgn

USER NAME = gr-01
PLOT SCALE = 1:50
PLOT DATE = 2/2/2011

DESIGNED - GR
DRAWN - GR
CHECKED - RY
DATE - 02/04/2011

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

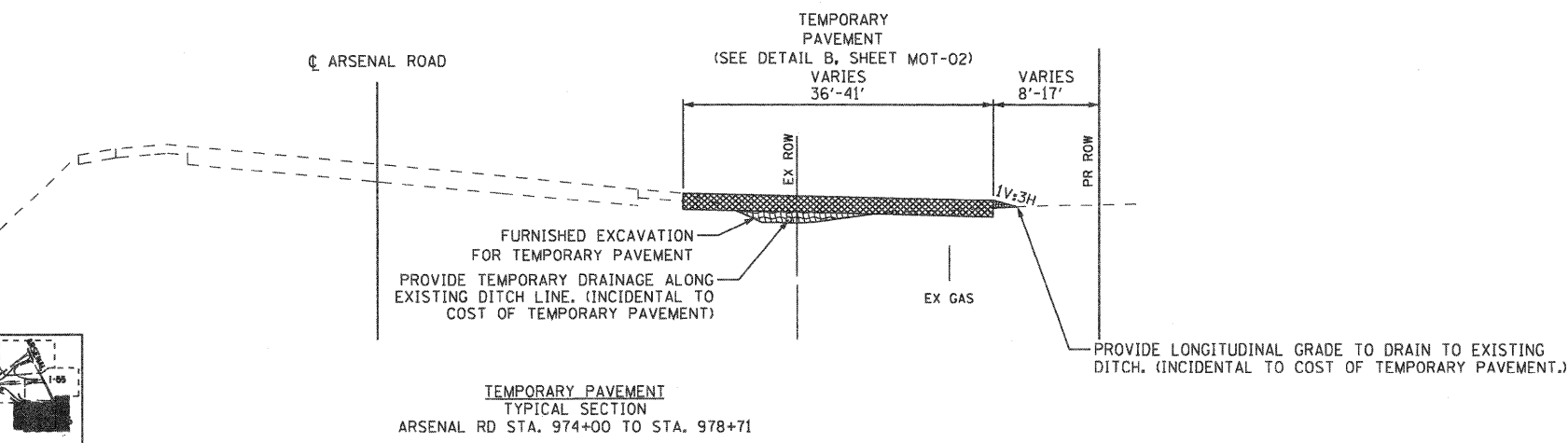
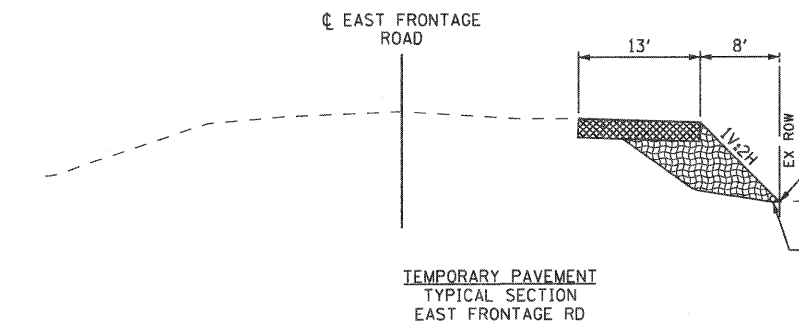
MAINTENANCE OF TRAFFIC
STAGE 3

SCALE: 1"=50' SHEET NO. 11 OF 12 SHEETS STA. TO STA.

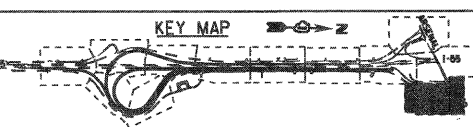
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 132 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



SEE SHEETS TR-04 FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS.



| | | | |
|---|-------------------|---------------|-----------|
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| PLOT SCALE = 1:50 | CHECKED - RY | DRAWN - GR | REVISED - |
| PLOT DATE = 2/4/2011 | DATE - 02/04/2011 | | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. 12 OF 12 SHEETS STA. TO STA.

| | | | | |
|--------------------|------------------------|----------------|---|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 133 |
| CONTRACT NO. 60F12 | | | FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT | |

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FINAL

RAMP A ADVANCE SIGNING
TO BE INSTALLED PRIOR TO IMPLEMENTATION OF STAGE 3
(SEE PROPOSED SIGNING PLANS)



Arsenal Rd
KEEP RIGHT

STA 1074+00
CANTILEVER (180" X 72")

EXIT 244
Arsenal Rd
1/2 MILE

STA 1086+26
CANTILEVER
(180" X 96")

Abraham Lincoln
National
Cemetery
EXIT 244

STA 1091+26
GROUND MOUNT (162" X 90")
W/ STR STL SIGN SUP - BA

ACCIDENT
INVESTIGATION
SITE
EXIT 244

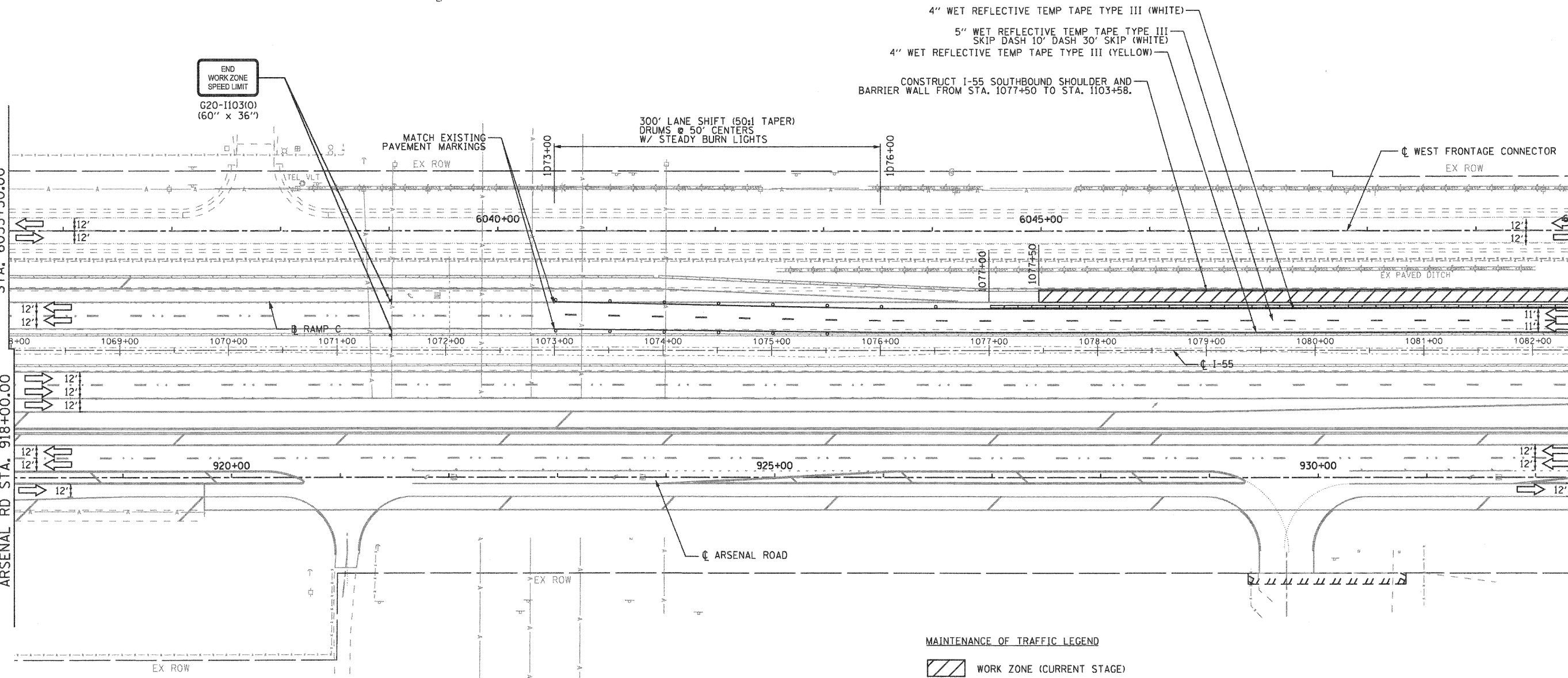
STA 1096+28
GROUND MOUNT (114" X 72")
W/ STR STL SIGN SUP - BA

MATCH TO SIGNING AND
PAVEMENT MARKING PLANS
WEST FRONTAGE CONNECTOR
STA. 6035+50.00

MATCH TO SIGNING AND
PAVEMENT MARKING PLANS
ARSENAL RD STA. 918+00.00

MATCH LINE SEE SHEET MOT-49
WEST FRONTAGE CONNECTOR
STA. 6050+00.00

MATCH LINE SEE SHEET MOT-49
ARSENAL RD STA. 932+50.00



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



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| | | | |
|--|------------------|-------------------|-----------|
| FILE NAME = ...N160F12-SHT-STAGING409.dgn | USER NAME = gra1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 4

SCALE: 1"=50' SHEET NO. 1 OF 6 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 134 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

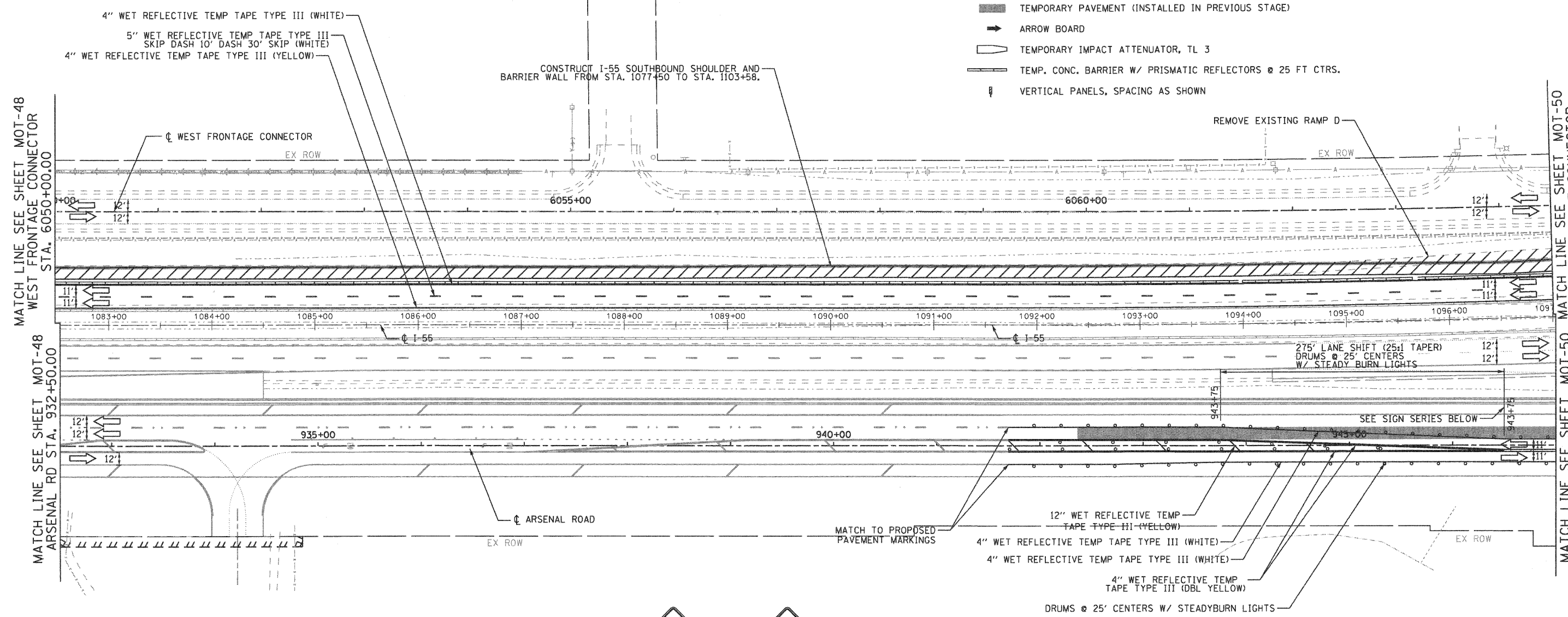
FINAL



ACCESS TO EXPRESSWAY WORK ZONES:
 CONTRACTOR SHALL PROVIDE ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 FROM EAST FRONTAGE ROAD, ARSENAL ROAD, AND WEST FRONTAGE CONNECTOR. INSTALLATION AND MAINTENANCE OF CONTRACTOR ACCESS SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION PAY ITEM. ACCESS TO WORK ZONES ALONG OUTSIDE SHOULDERS OF I-55 SHALL NOT BE ALLOWED FROM THE EXPRESSWAY.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

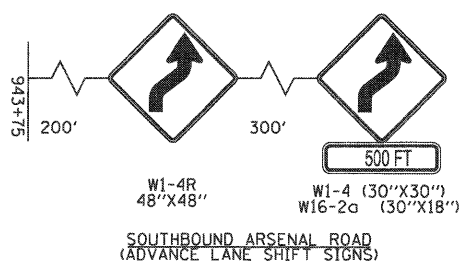


MATCH LINE SEE SHEET MOT-48 WEST FRONTAGE CONNECTOR STA. 6050+00.00

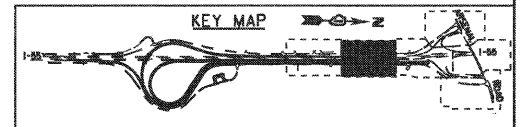
MATCH LINE SEE SHEET MOT-48 ARSENAL RD STA. 932+50.00

MATCH LINE SEE SHEET MOT-50 WEST FRONTAGE CONNECTOR STA. 6064+50.00

MATCH LINE SEE SHEET MOT-50 ARSENAL RD STA. 947+00.00













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| | PLOT SCALE = 1/8"=1'-0" | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 2 OF 6 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| | PLOT DATE = 2/2/2011 | CHECKED - RY | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE - 02/04/2011 | REVISED - | | FINAL | | | | | | | |

MAINTENANCE OF TRAFFIC LEGEND

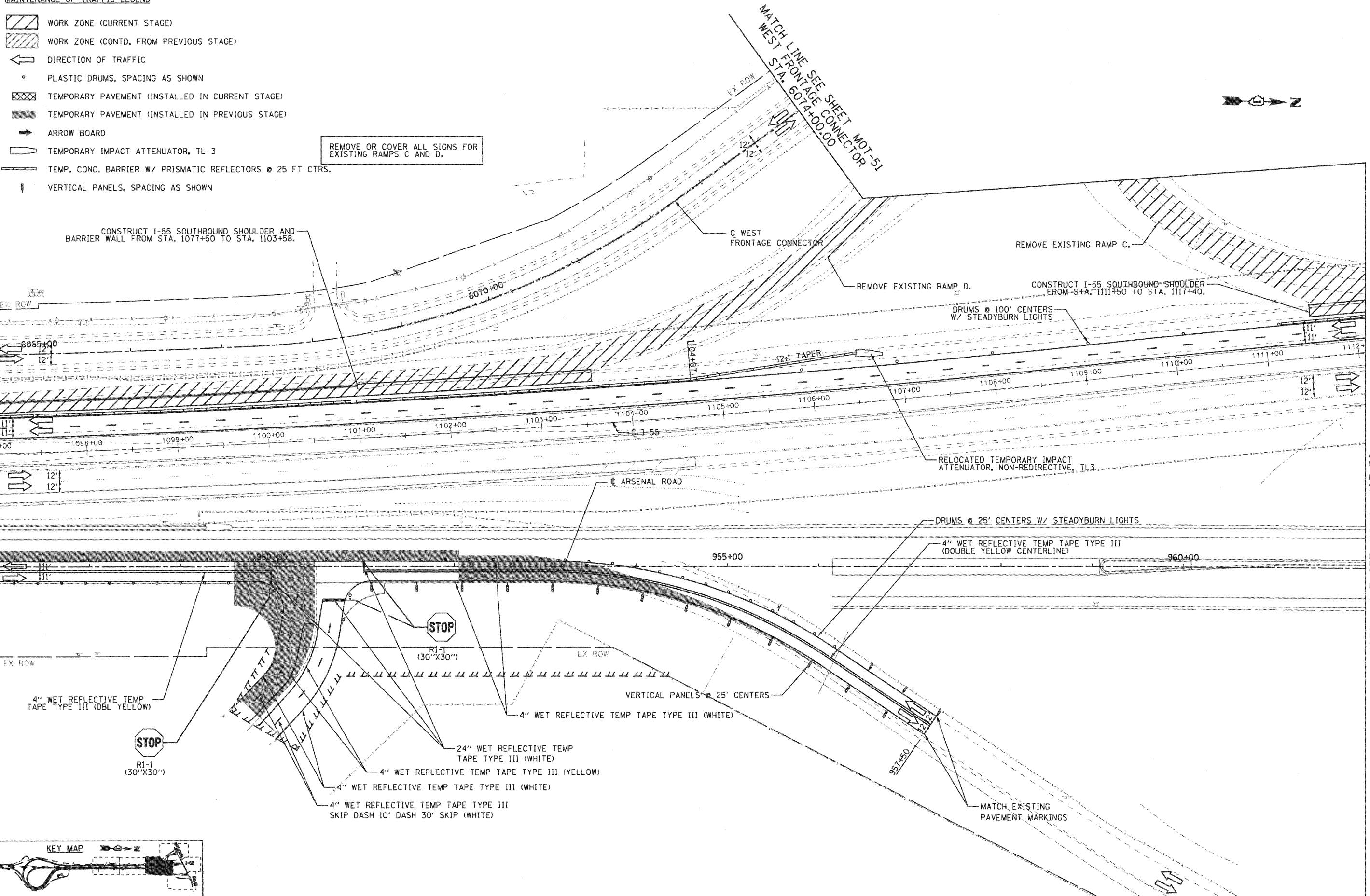
-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN

REMOVE OR COVER ALL SIGNS FOR EXISTING RAMP C AND D.

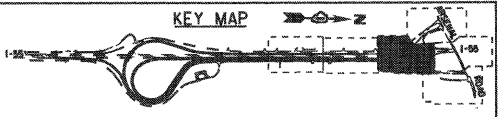
MATCH LINE SEE SHEET MOT-49 WEST FRONTAGE CONNECTOR STA. 6064+50.00

MATCH LINE SEE SHEET MOT-49 ARSENAL RD STA. 947+00.00

MATCH LINE SEE SHEET MOT-52 ARSENAL RD STA. 962+00.00













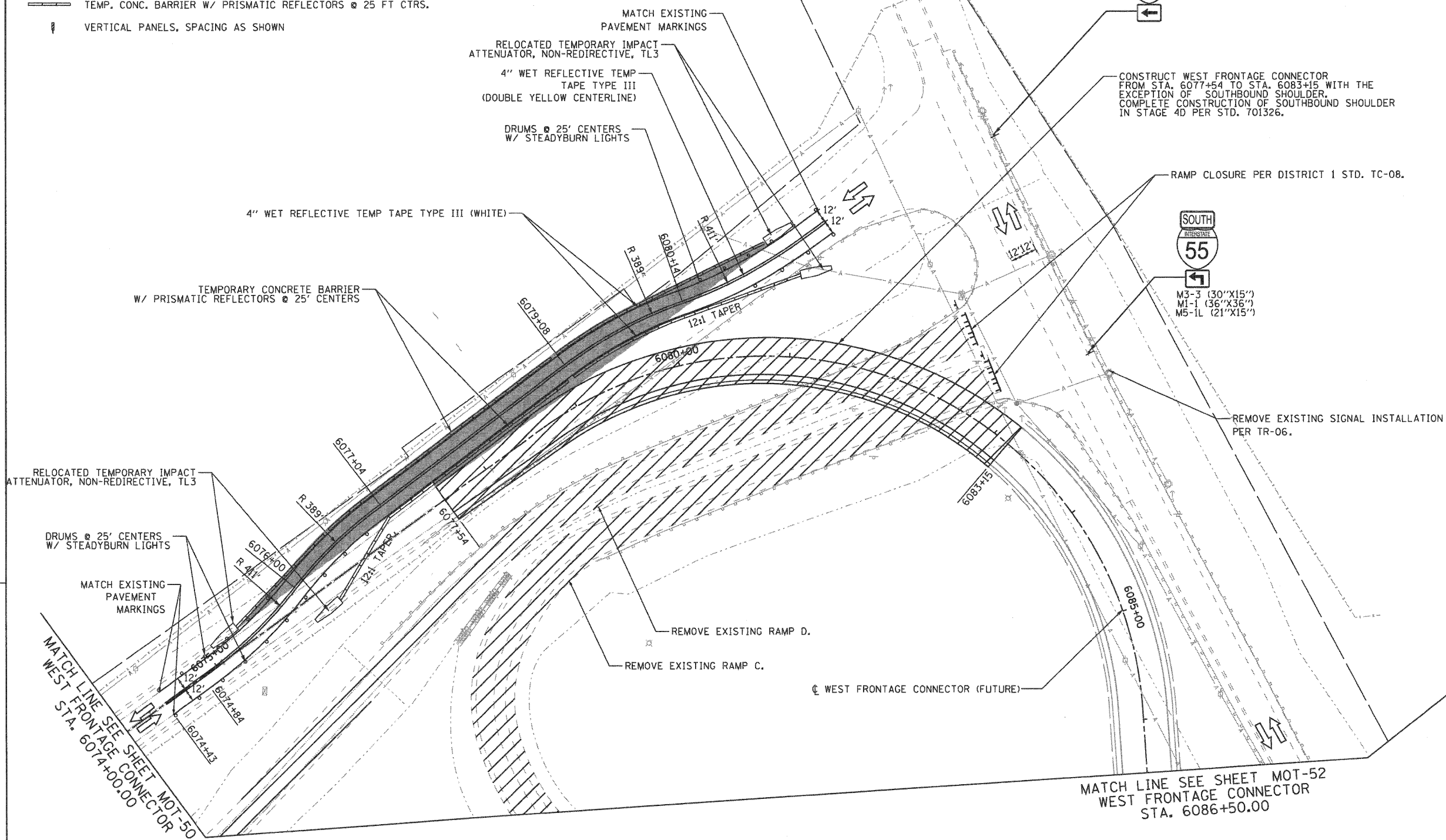
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Chicago, Illinois 60607



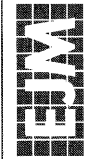
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| PLOT SCALE = 1/8"=1' | | CHECKED - RY | REVISED - | CONTRACT NO. 60F12 | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |
| PLOT DATE = 2/2/2011 | | DATE = 02/04/2011 | REVISED - | FINAL | | | | | | | | | |

MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN



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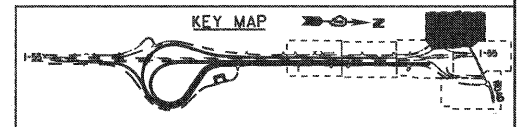


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| ...\\D168F12-SHT-STAGING412.dgn | | DRAWN - CR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 4**

SCALE: 1"=50' SHEET NO. 4 OF 6 SHEETS STA. TO STA.



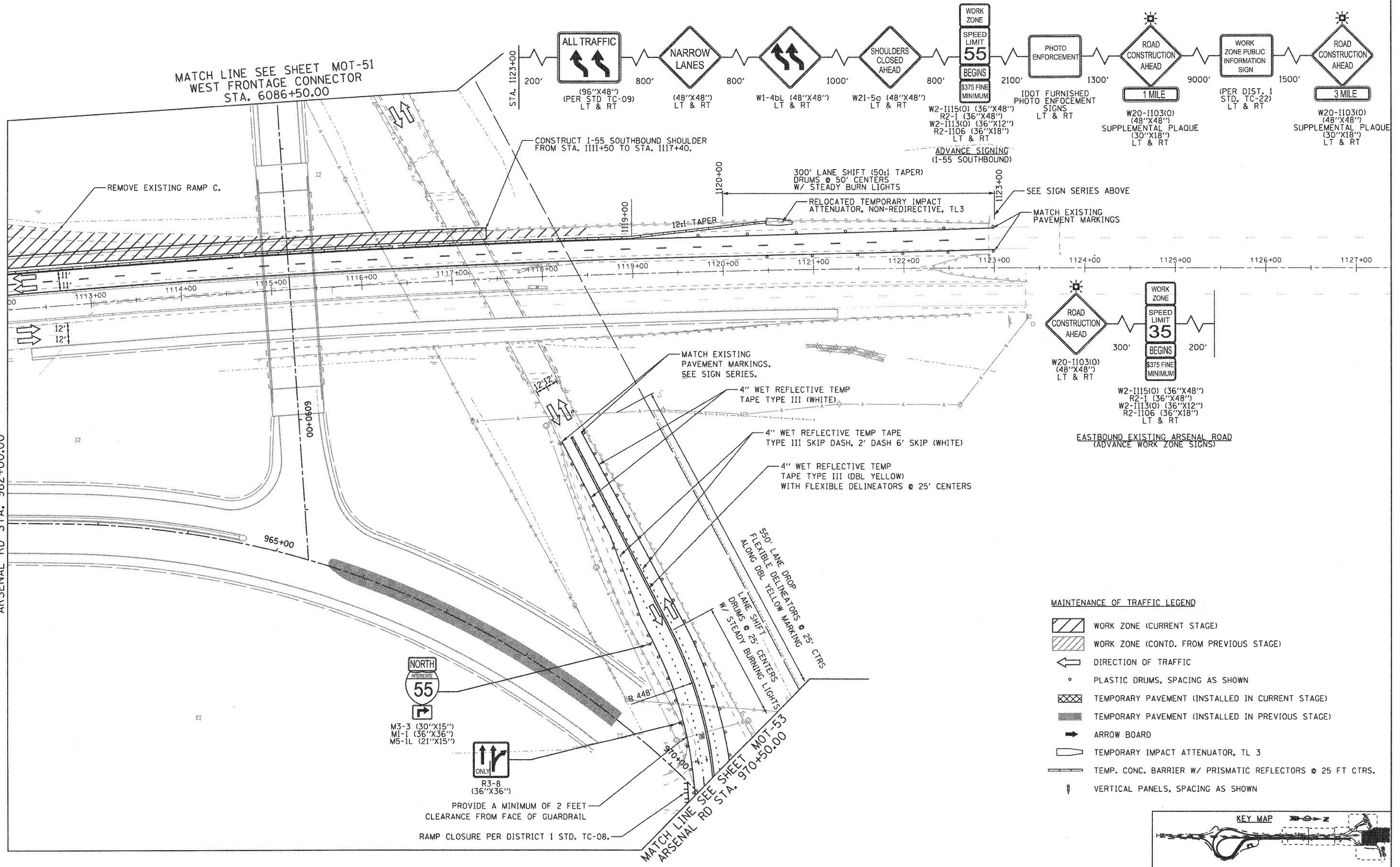
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 137 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

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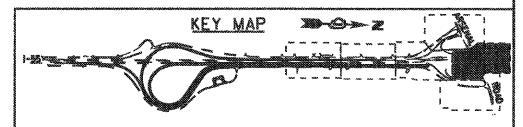
MATCH LINE SEE SHEET MOT-50
 ARSENAL RD STA. 962+00.00

MATCH LINE SEE SHEET MOT-51
 WEST FRONTAGE CONNECTOR
 STA. 6086+50.00



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



FILE NAME = ...ND168F12-SHT-STAGING413.dgn

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| USER NAME = g-r-01 | DESIGNED - GR | REVISED - |
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| PLOT DATE = 2/2/2011 | CHECKED - RY | REVISED - |
| | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 4**

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

| | | | | |
|---|---------------------|-------------|--------------------|---------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 138 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

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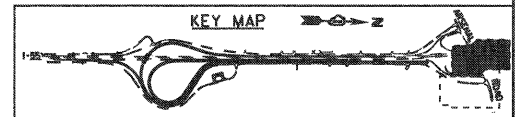
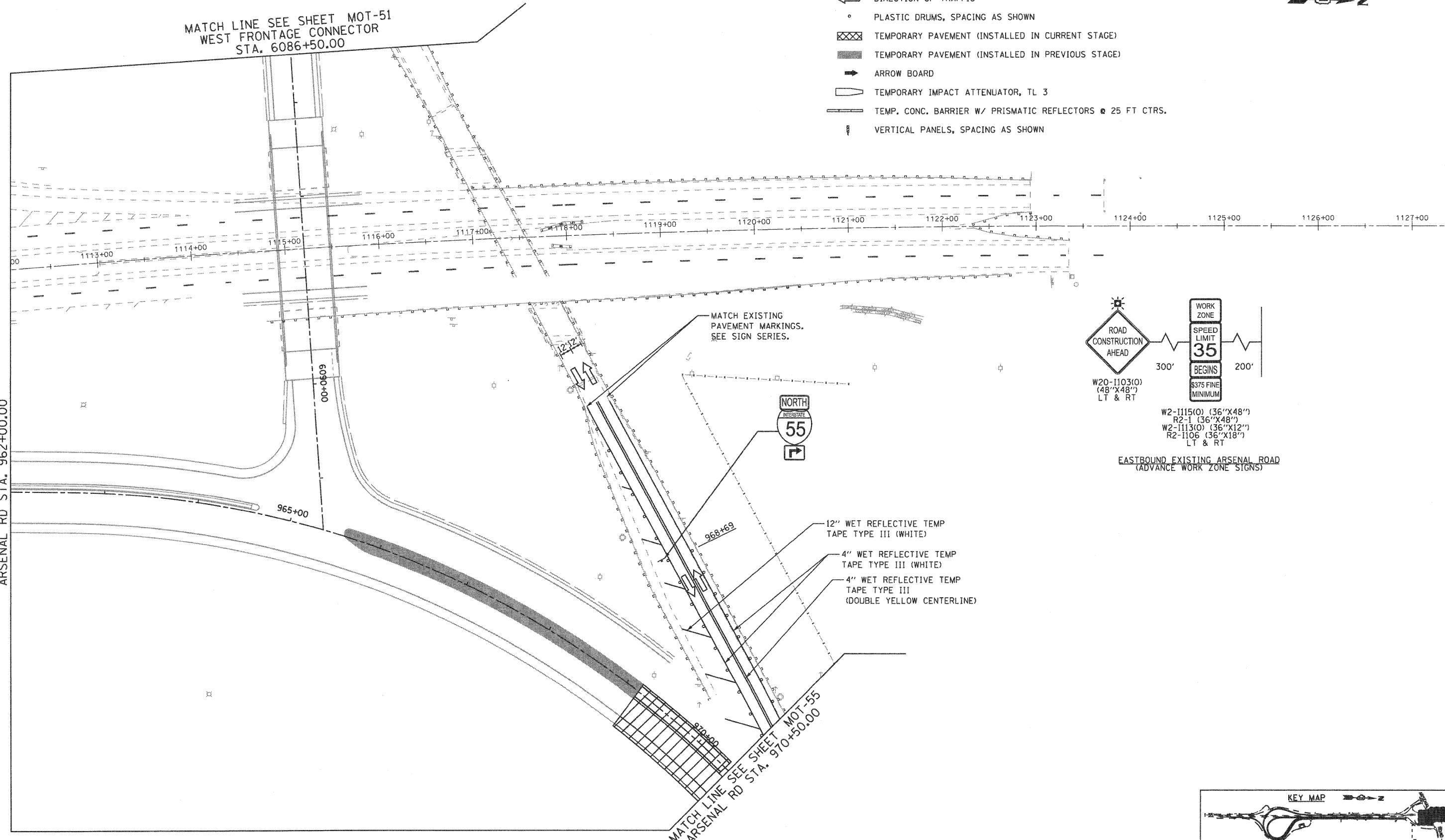
MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



MATCH LINE SEE SHEET MOT-51
 WEST FRONTAGE CONNECTOR
 STA. 6086+50.00

MATCH LINE SEE SHEET MOT-50
 ARSENAL RD STA. 962+00.00



| | | | |
|---|------------------|-------------------|-----------|
| FILE NAME = ...\\D160F12-SHT-STAGING4B13.dgn | USER NAME = gres | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |
| PLOT SCALE = 1:50 | | | |
| PLOT DATE = 2/2/2011 | | | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

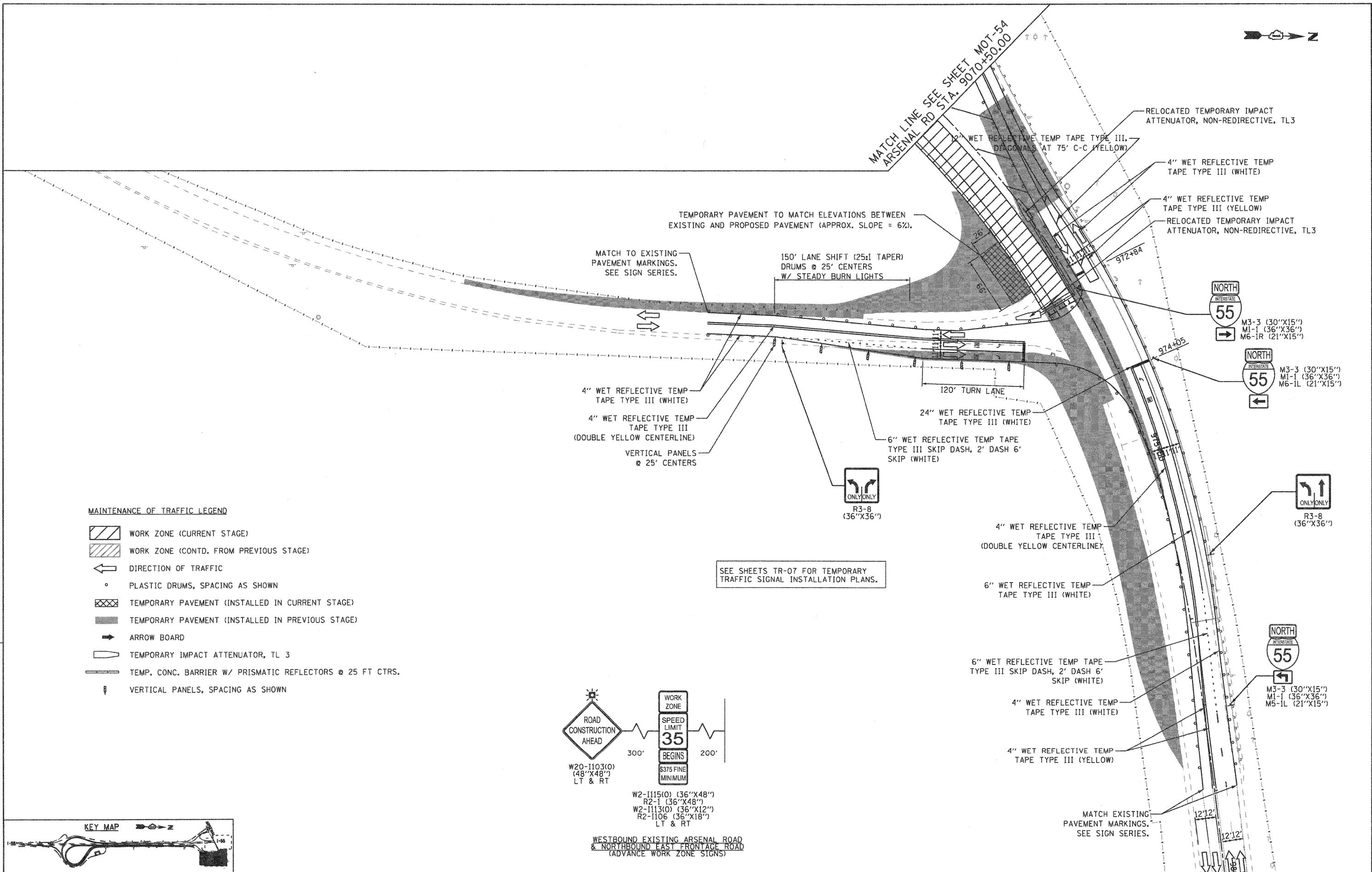
**MAINTENANCE OF TRAFFIC
 STAGE 4B**

SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 140 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

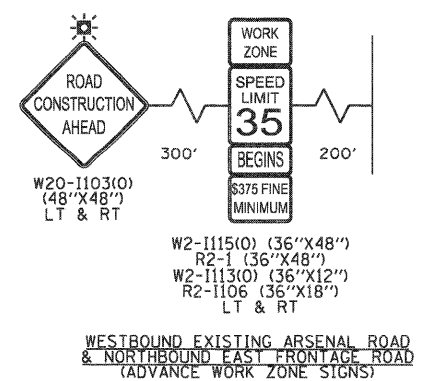
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 411 South Wells Street Suite 800
 Chicago, Illinois 60607



MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

SEE SHEETS TR-07 FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS.



| | | | | | | | | | | | | |
|--|-------------------|---------------|-----------|---|---|-------------------------|-------------------|------------------------|----------------|---------------------|------------------|--|
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| PLOT SCALE = 1/8"=1' | CHECKED - RY | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 2 OF 2 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/4/2011 | DATE - 02/04/2011 | REVISOR - | REVISOR - | | FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT | | | | | | | |
| FINAL | | | | | | | | | | | | |

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 411 South Wells Street Suite 800
 Chicago, Illinois 60607



FILE NAME =
 ...\\D160F12-SHT-STAGING4C13.dgn

USER NAME = gres
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 2/2/2011

DESIGNED - GR
 DRAWN - GR
 CHECKED - RY
 DATE - 02/04/2011

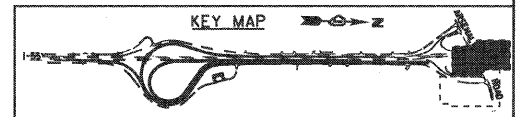
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 4C**

SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 142 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



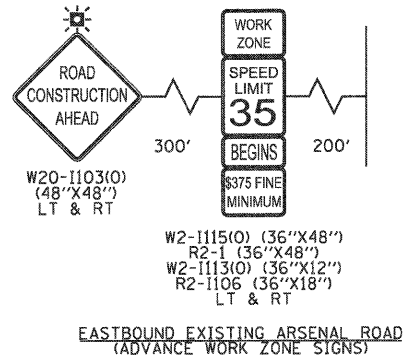
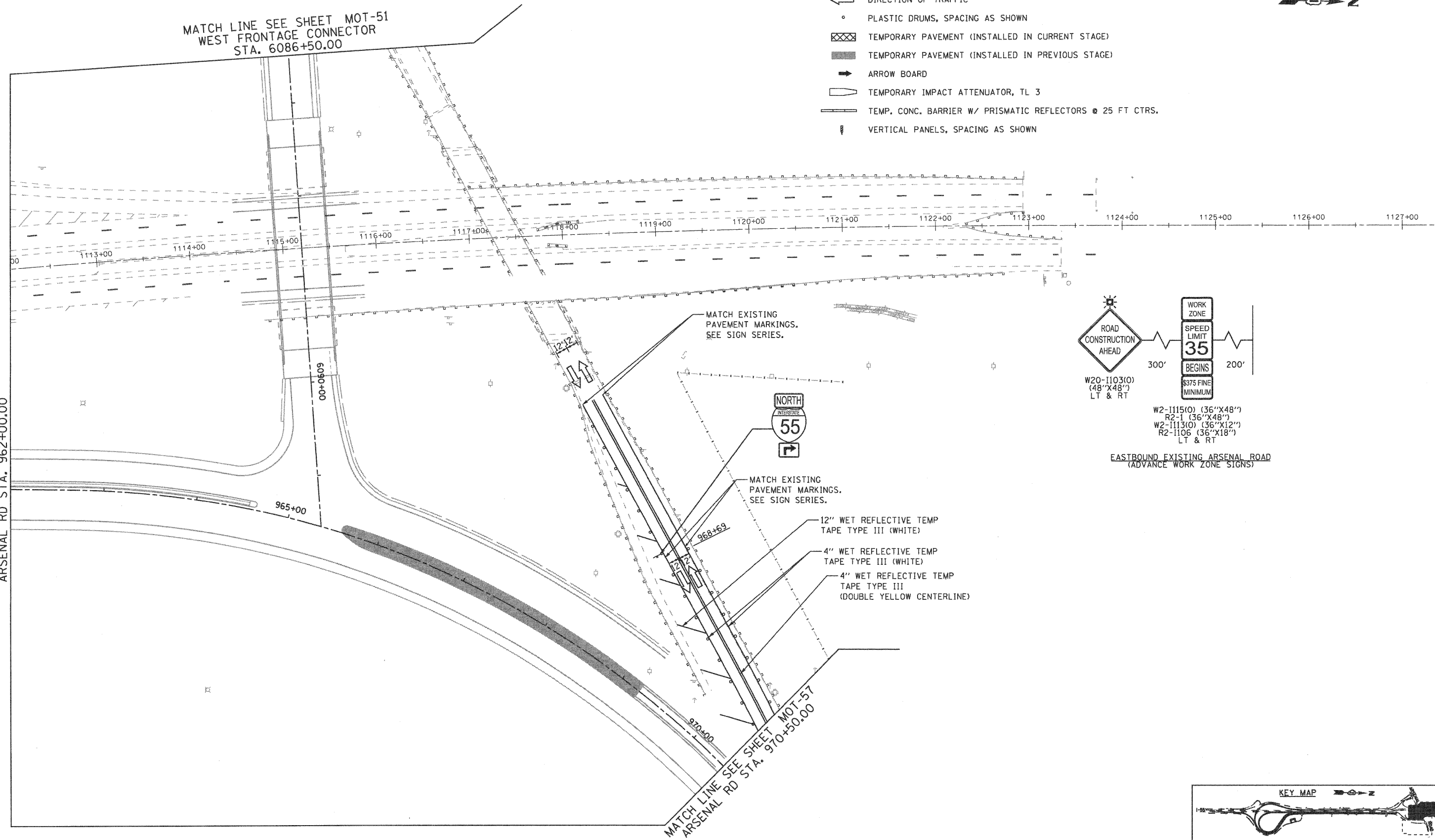
MAINTENANCE OF TRAFFIC LEGEND

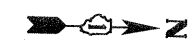
- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



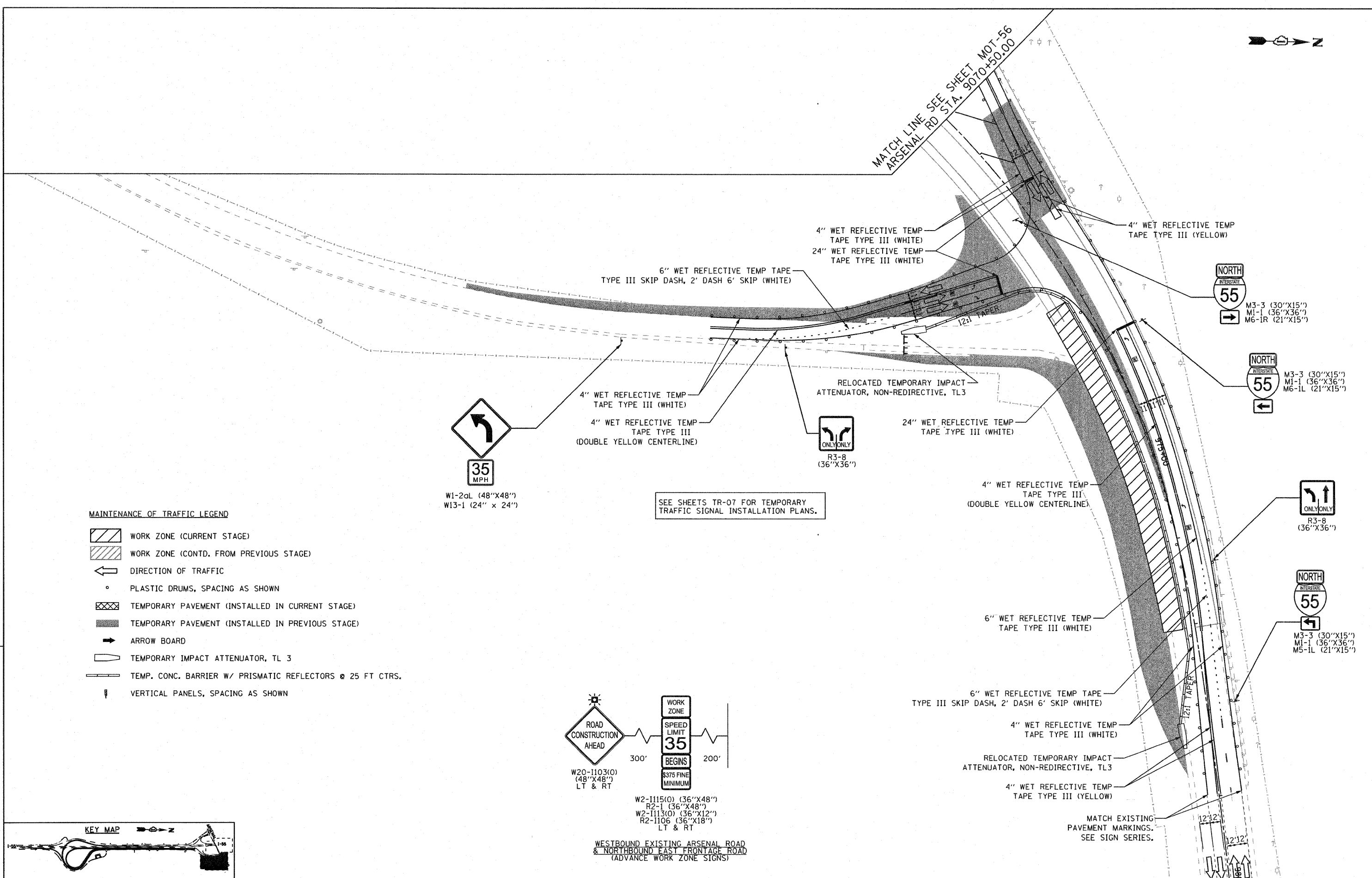
MATCH LINE SEE SHEET MOT-51
 WEST FRONTAGE CONNECTOR
 STA. 6086+50.00

MATCH LINE SEE SHEET MOT-50
 ARSENAL RD STA. 962+00.00





MATCH LINE SEE SHEET MOT-56
ARSENAL RD STA. 9070+50.00

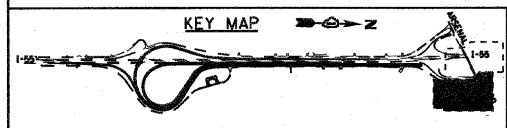
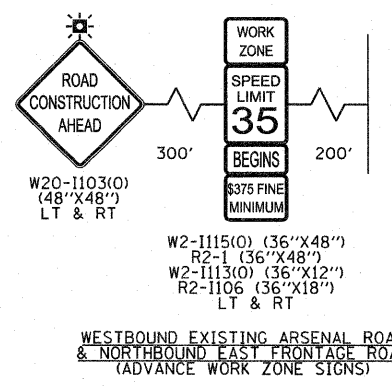


MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN

35 MPH
W1-2aL (48"x48")
W13-1 (24" x 24")

SEE SHEETS TR-07 FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION PLANS.



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Chicago, Illinois 60607

| | | | | | | | | | | | | | |
|---|-----------------------|-------------------|-----------|---|---|-------------------------|------|----------------|--------------------|-------------|-----------------|--------------|-----|
| FILE NAME = ...DI68F12-SHT-STAGING4C14.dgn | USER NAME = gr-01 | DESIGNED - GR | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC STAGE 4C | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | PLOT SCALE = 1:50 | DRAWN - GR | REVISED - | | SCALE: 1"=50' | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA. | 55 | 99-2HB-2B-1 | WILL | 756 | 143 |
| | PLOT DATE = 2/23/2011 | CHECKED - RY | REVISED - | | | | | | CONTRACT NO. 60F12 | | | | |
| | | DATE - 02/04/2011 | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | |

FINAL

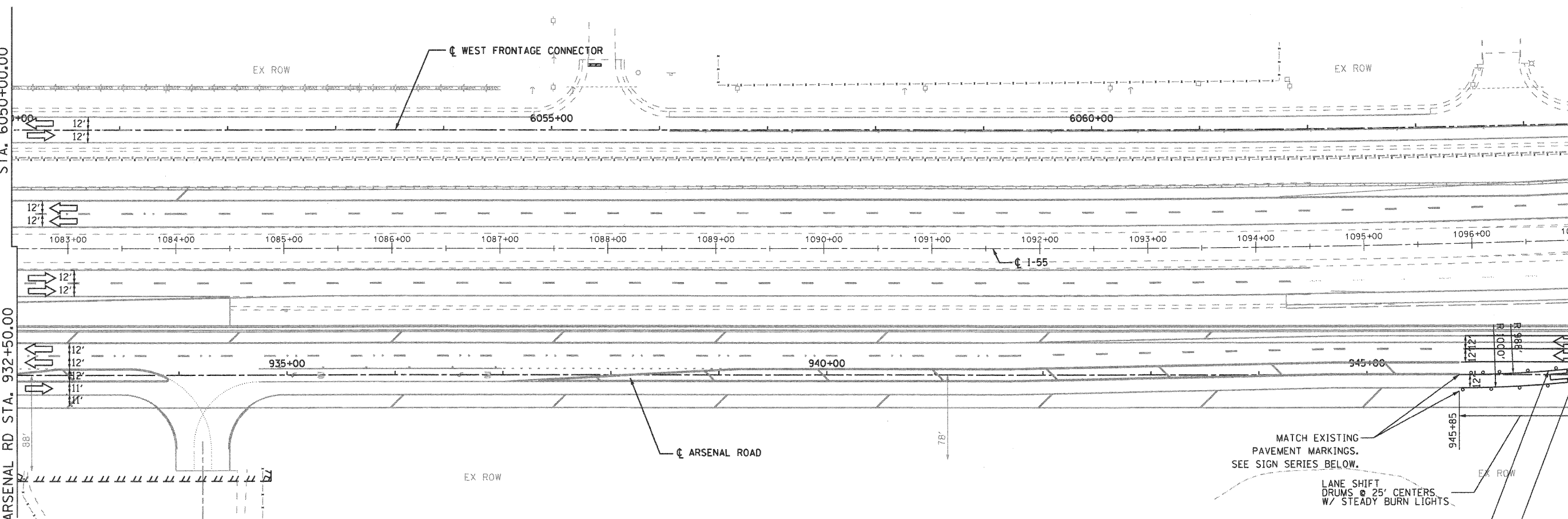


MATCH TO PAVEMENT MARKING PLANS
WEST FRONTAGE CONNECTOR
STA. 6050+00.00

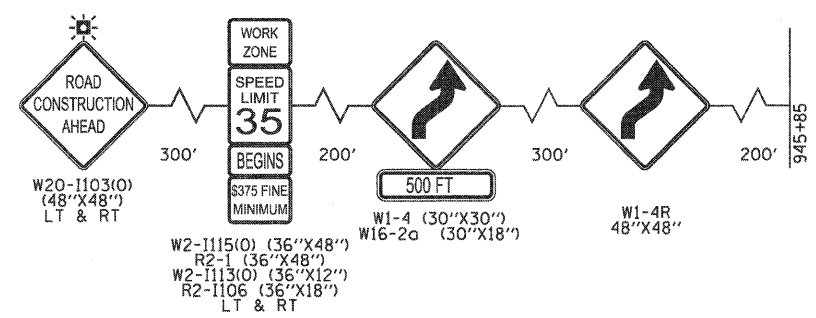
MATCH TO PAVEMENT MARKING PLANS
ARSENAL RD STA. 932+50.00

MATCH LINE SEE SHEET MOT-59
WEST FRONTAGE CONNECTOR
STA. 6064+50.00

MATCH LINE SEE SHEET MOT-59
ARSENAL RD STA. 947+00.00



- MAINTENANCE OF TRAFFIC LEGEND**
- WORK ZONE (CURRENT STAGE)
 - WORK ZONE (CONTD. FROM PREVIOUS STAGE)
 - DIRECTION OF TRAFFIC
 - PLASTIC DRUMS, SPACING AS SHOWN
 - TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
 - TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
 - ARROW BOARD
 - TEMPORARY IMPACT ATTENUATOR, TL 3
 - TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
 - VERTICAL PANELS, SPACING AS SHOWN



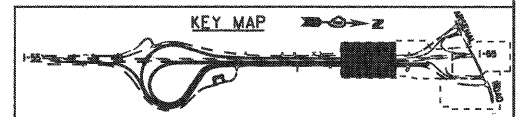
NORTHBOUND ARSENAL ROAD
(ADVANCE WORK ZONE & LANE SHIFT SIGNS)

MATCH EXISTING PAVEMENT MARKINGS. SEE SIGN SERIES BELOW.

LANE SHIFT DRUMS @ 25' CENTERS W/ STEADY BURN LIGHTS.

4" WET REFLECTIVE TEMP TAPE TYPE III (YELLOW)

4" WET REFLECTIVE TEMP TAPE TYPE III (WHITE)



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| | | | |
|---|-------------------|-------------------|-----------|
| FILE NAME = ...N168F12-SHT-STAGING4D10.dgn | USER NAME = g-a-1 | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**











**MAINTENANCE OF TRAFFIC
STAGE 4D**

SCALE: 1"=50' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 144 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

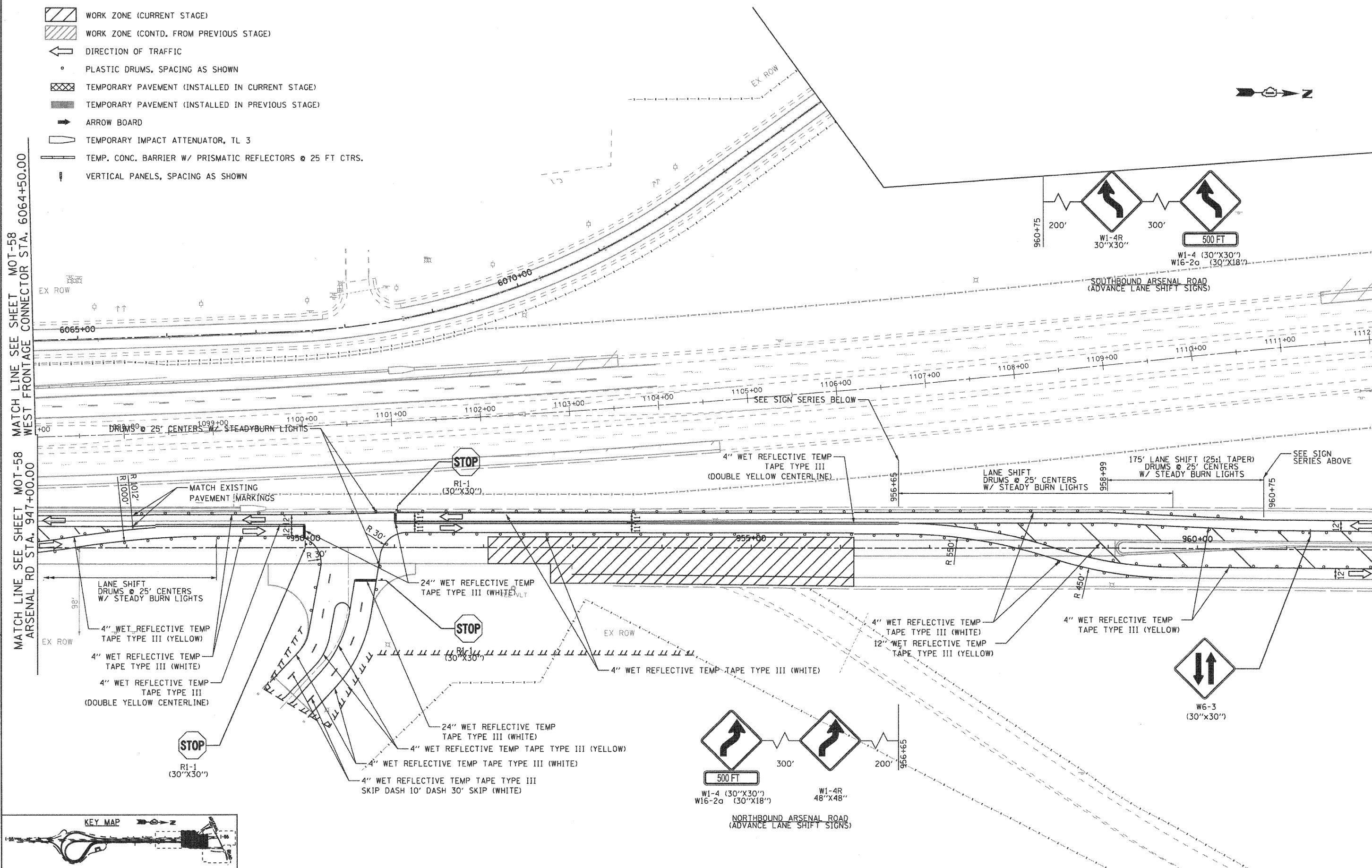
MAINTENANCE OF TRAFFIC LEGEND

-  WORK ZONE (CURRENT STAGE)
-  WORK ZONE (CONTD. FROM PREVIOUS STAGE)
-  DIRECTION OF TRAFFIC
-  PLASTIC DRUMS, SPACING AS SHOWN
-  TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
-  TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
-  ARROW BOARD
-  TEMPORARY IMPACT ATTENUATOR, TL 3
-  TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
-  VERTICAL PANELS, SPACING AS SHOWN

MATCH LINE SEE SHEET MOT-58 WEST FRONTAGE CONNECTOR STA. 6064+50.00

MATCH LINE SEE SHEET MOT-58 ARSENAL RD STA. 947+00.00

MATCH LINE SEE SHEET MOT-60 ARSENAL RD STA. 962+00.00



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FILE NAME = ...N0160F12-SHT-STAGING4D11.dgn
USER NAME = gmat
DESIGNED - GR
DRAWN - GR
CHECKED - RY
PLOT SCALE = 1:50
PLOT DATE = 2/2/2011

REVISOR -
REVISED -
REVISOR -
REVISED -
REVISOR -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC
STAGE 4D**

SCALE: 1"=50' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

| | | | | |
|---|---------------------|-------------|--------------------|---------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 145 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

FINAL

EJM ENGINEERING, INC.
 411 South Wells Street Suite 800
 Chicago, Illinois 60607



FILE NAME =
 ...\\D16\F12-SHT-STAGING\4D13.dgn

USER NAME = gpat

DESIGNED - GR
 DRAWN - CR

REVISD -
 REVISD -
 REVISD -
 REVISD -

PLOT SCALE = 1/8"=1'
 PLOT DATE = 2/2/2011

CHECKED - RY
 DATE - 02/04/2011

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

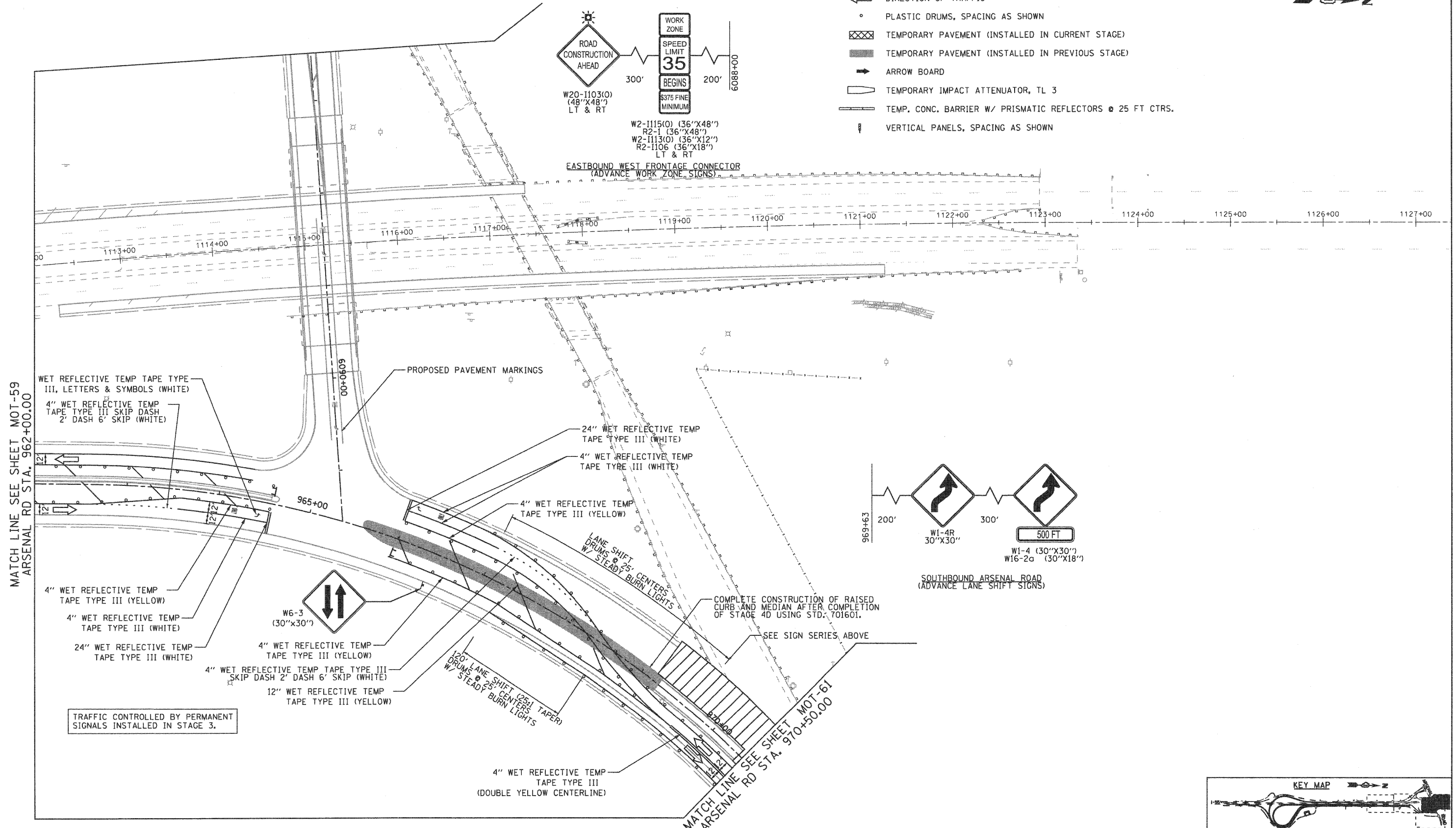
**MAINTENANCE OF TRAFFIC
 STAGE 4D**

SCALE: 1"=50' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|--------------------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 146 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 60F12 |

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



FINAL



MATCH LINE SEE SHEET MOT-60
ARSENAL RD STA. 9070+50.00

4" WET REFLECTIVE TEMP
TAPE TYPE III
(DOUBLE YELLOW CENTERLINE)

4" WET REFLECTIVE TEMP
TAPE TYPE III (WHITE)

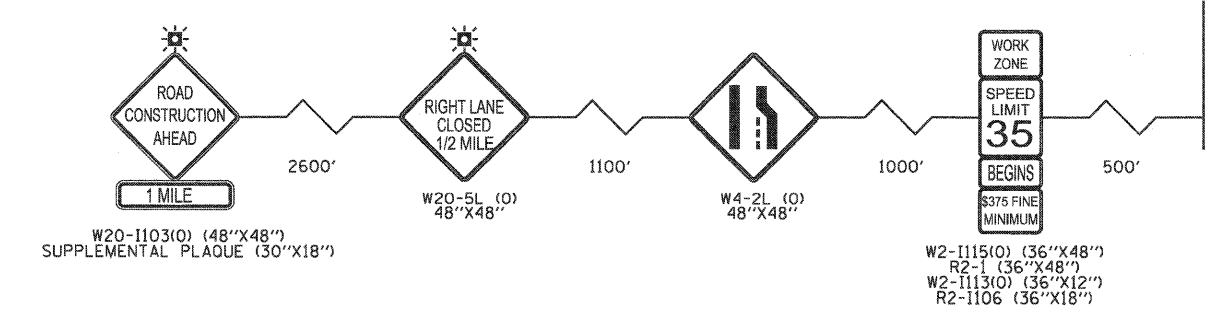
DRUMS @ 25' CENTERS W/ STEADYBURN LIGHTS

COMPLETE CONSTRUCTION OF RAISED
CURB AND MEDIAN AFTER COMPLETION
OF STAGE 4D USING STD. 701601.

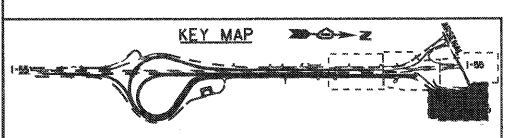
MATCH EXISTING
PAVEMENT MARKINGS.
SEE SIGN SERIES.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE (CURRENT STAGE)
- WORK ZONE (CONTD. FROM PREVIOUS STAGE)
- DIRECTION OF TRAFFIC
- PLASTIC DRUMS, SPACING AS SHOWN
- TEMPORARY PAVEMENT (INSTALLED IN CURRENT STAGE)
- TEMPORARY PAVEMENT (INSTALLED IN PREVIOUS STAGE)
- ARROW BOARD
- TEMPORARY IMPACT ATTENUATOR, TL 3
- TEMP. CONC. BARRIER W/ PRISMATIC REFLECTORS @ 25 FT CTRS.
- VERTICAL PANELS, SPACING AS SHOWN



WESTBOUND ARSENAL ROAD
(ADVANCE WORK ZONE & LANE CLOSURE SIGNS)



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411 South Wells Street Suite 800
Chicago, Illinois 60607



| | | | |
|--|--------------------|-------------------|-----------|
| FILE NAME = ...ND160F12-SHT-STAGING4D14.dgn | USER NAME = grs | DESIGNED - GR | REVISED - |
| | | DRAWN - GR | REVISED - |
| | | CHECKED - RY | REVISED - |
| | | DATE - 02/04/2011 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 4D**

SCALE: 1"=50' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

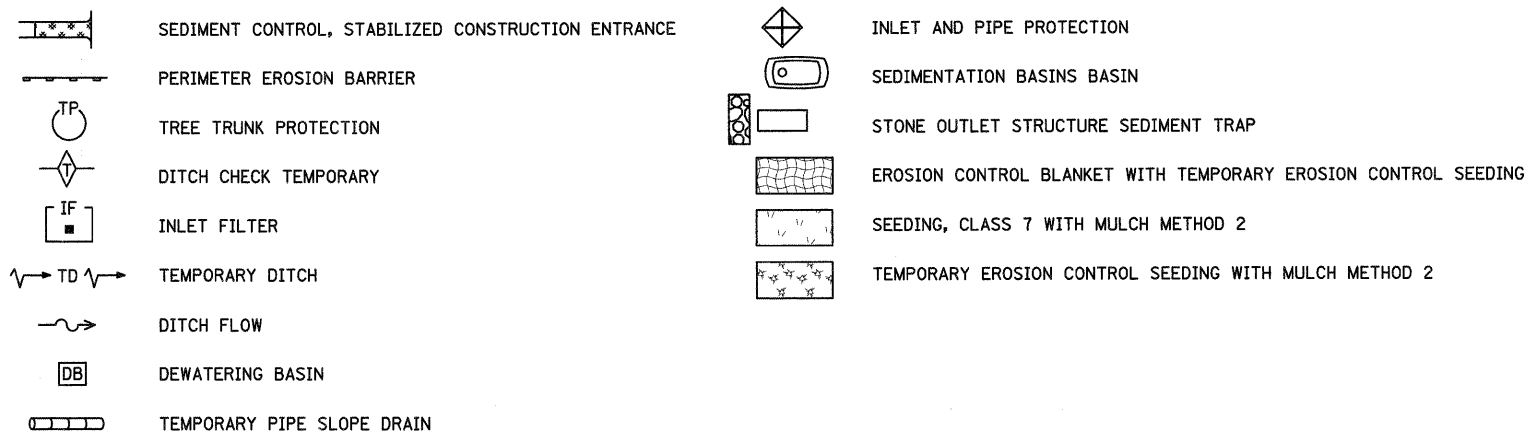
| | | | | |
|---|------------------------|----------------|------------------------|---------------------|
| P.A. I RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 147 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

**EROSION AND SEDIMENT CONTROL
GENERAL NOTES**

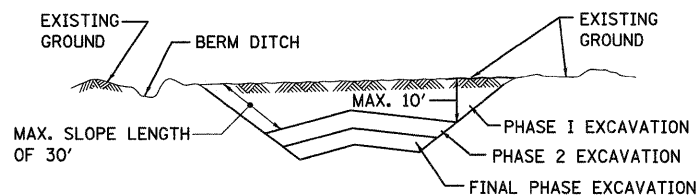
- THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
- THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
- ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
- A MAXIMUM OF 10 ACRES MAY BE IN SOME STAGE OF GRADING AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 10 ACRES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.
 - WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 10 ACRES OF GRADING AT A TIME. THE 10 ACRE LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS AND STORAGE AREAS.
 - VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
 - IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
 - THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE THE WORK ON TIME.
 - THE CONTRACTOR MUST COMPLY WITH ALL OTHER CONTRACT REQUIREMENTS.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10 FEET VERTICALLY OR THE FINISHED SLOPE EQUALS 30 FEET, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND ARE TO HAVE TAKEN AN APPROVED EROSION AND SEDIMENT CONTROL COURSE. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 0.5 INCH.

SEE NEXT SHEET FOR CONTINUATION

EROSION AND SEDIMENT CONTROL LEGEND



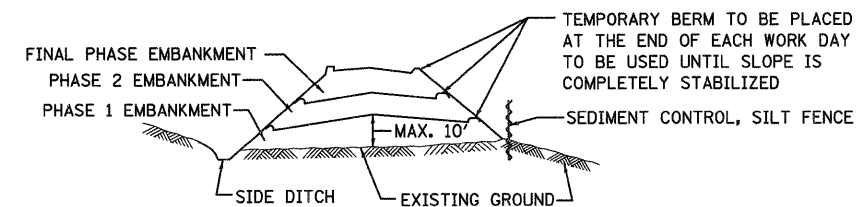
EXCAVATION PHASING PLAN-CUT SECTION



NOTES:

- ALL CUT SLOPES SHALL BE EXCAVATED AND STABILIZED (PLACE TOPSOIL, PREPARE SEEDBED, APPLY SEED, PROTECT SLOPE WITH MULCH OR EROSION BLANKET) AS THE WORK PROGRESSES.
- CONSTRUCTION SEQUENCE FOR EXCAVATION:
 - EXCAVATE AND STABILIZE BERM, SIDE AND OUTLET DITCHES, PROVIDE SEDIMENT TRAPS FOR DITCHES.
 - PERFORM PHASE 1 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING.
 - PERFORM PHASE 2 EXCAVATION AND STABILIZE SLOPES WITH PERMANENT SEEDING. OVERSEED PHASE 1 SLOPES, IF REQUIRED.
 - PERFORM FINAL PHASE EXCAVATION, AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE. STABILIZE SURFACE DRAIN DITCHES. OVERSEED PHASE 1 & 2 SLOPES, IF REQUIRED, AS DETERMINED BY THE ENGINEER.
- IF PERMANENT SEEDING CANNOT BE PLACED DUE TO CONTRACT REQUIREMENTS REGARDING PLANTING SEASONS, THE CUT SLOPE IS TO HAVE TOPSOIL PLACED AND SEEDBED PREPARED PRIOR TO USING TEMPORARY STABILIZATION WITH STRAW MULCH OR TEMPORARY SEEDING WITH EROSION BLANKET.
- THE CONTRACTOR HAS THE OPTION OF DELAYING TOPSOIL AND/OR SEEDING BEYOND THE 10 FOOT VERTICAL LIMITATION. (SEE GENERAL NOTE 9) IF SO THE CUT SLOPE SHALL BE TEMPORARILY STABILIZED AT NO COST TO THE DEPARTMENT.
- ONCE THE EXCAVATION WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF SLOPE STABILIZATION MEASURES. ANY INTERRUPTIONS IN THE OPERATION 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATIONS OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

EMBANKMENT PHASING PLAN-FILL SECTION



NOTES:

- THE EMBANKMENT WILL BE MADE IN STAGES NOT TO EXCEED 10'. THE EMBANKMENT SLOPES WILL BE STABILIZED USING TEMPORARY MEASURES BEFORE BEGINNING NEXT STAGE.
- AT THE END OF EACH WORK DAY TEMPORARY BERMS (EARTH) AND TEMPORARY PIPE SLOPE DRAINS WILL BE CONSTRUCTED ALONG THE TOP EDGE(S) OF THE EMBANKMENT TO INTERCEPT SURFACE RUNOFF.
- CONSTRUCTION SEQUENCE FOR EMBANKMENT
 - EXCAVATE AND STABILIZE SIDE DITCH AND/OR INSTALL PROPOSED PERIMETER CONTROLS AT THE TOE OF SLOPE.
 - PLACE PHASE 1 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - PLACE PHASE 2 EMBANKMENT AND STABILIZE WITH TEMPORARY SEEDING AND MULCH.
 - PLACE FINAL PHASE EMBANKMENT AND STABILIZE WITH PERMANENT VEGETATIVE PLAN ON THE ENTIRE SLOPE.
- ONCE THE PLACEMENT OF FILL WITHIN A SPECIFIC AREA HAS BEGUN, THE OPERATION SHALL BE CONTINUOUS FROM STRIPPING THROUGH THE COMPLETION OF THE GRADING AND PLACEMENT OF PERMANENT VEGETATIVE PLAN. ANY INTERRUPTIONS IN THE OPERATION OF 14 DAYS OR MORE MUST BE APPROVED BY THE ENGINEER. ANY VIOLATION OF THIS REQUIREMENT WILL RESULT IN THE CONTRACTOR ASSUMING THE RESPONSIBILITY OF PLACING TEMPORARY STABILIZATION AT HIS OWN COST AND EXPENSE AS DIRECTED BY THE ENGINEER.

| | | | | | | | | | | | | |
|---------------------------------------|----------------------|----------------|-----------|---|--|-------------------------|--------------|--------------------|------------------------|----------------|---------------------|------------------|
| FILE NAME = D160F12-SHT-EROS21.dgn | USER NAME = TKluagel | DESIGNED - JCL | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EROSION AND SEDIMENT CONTROL GENERAL NOTES AND LEGEND | | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 148 |
| | PLOT SCALE = 1:50 | DRAWN - JCL | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| | PLOT DATE = 2/3/2011 | CHECKED - DLT | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE - 2/4/11 | REVISED - | | | | | | | | | |

**EROSION AND SEDIMENT CONTROLS
GENERAL NOTES (CONTD.)**

11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. TRAPS WILL BE CLEANED WHEN THEY ARE 50% FILLED, SILT FENCE & STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% OF THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIALS EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN THE VICINITY OF THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COSTS OF THE CONTROLS.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
 - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
17. SEEDING USAGE
 - CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.
 - CLASS 4 USED AT PROPOSED DITCHES AND INFIELDS.
 - CLASS 4B USED ADJACENT TO WETLANDS TO BE REMEDIATED AND AT INFIELDS.
 - CLASS 7 USED ON LONG TERM TEMPORARY SEEDING AND FOR WINTER SHUTDOWN IN PLACE OF TEMPORARY EROSION CONTROL SEEDING.

TEMPORARY EROSION CONTROL SEEDING : USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.

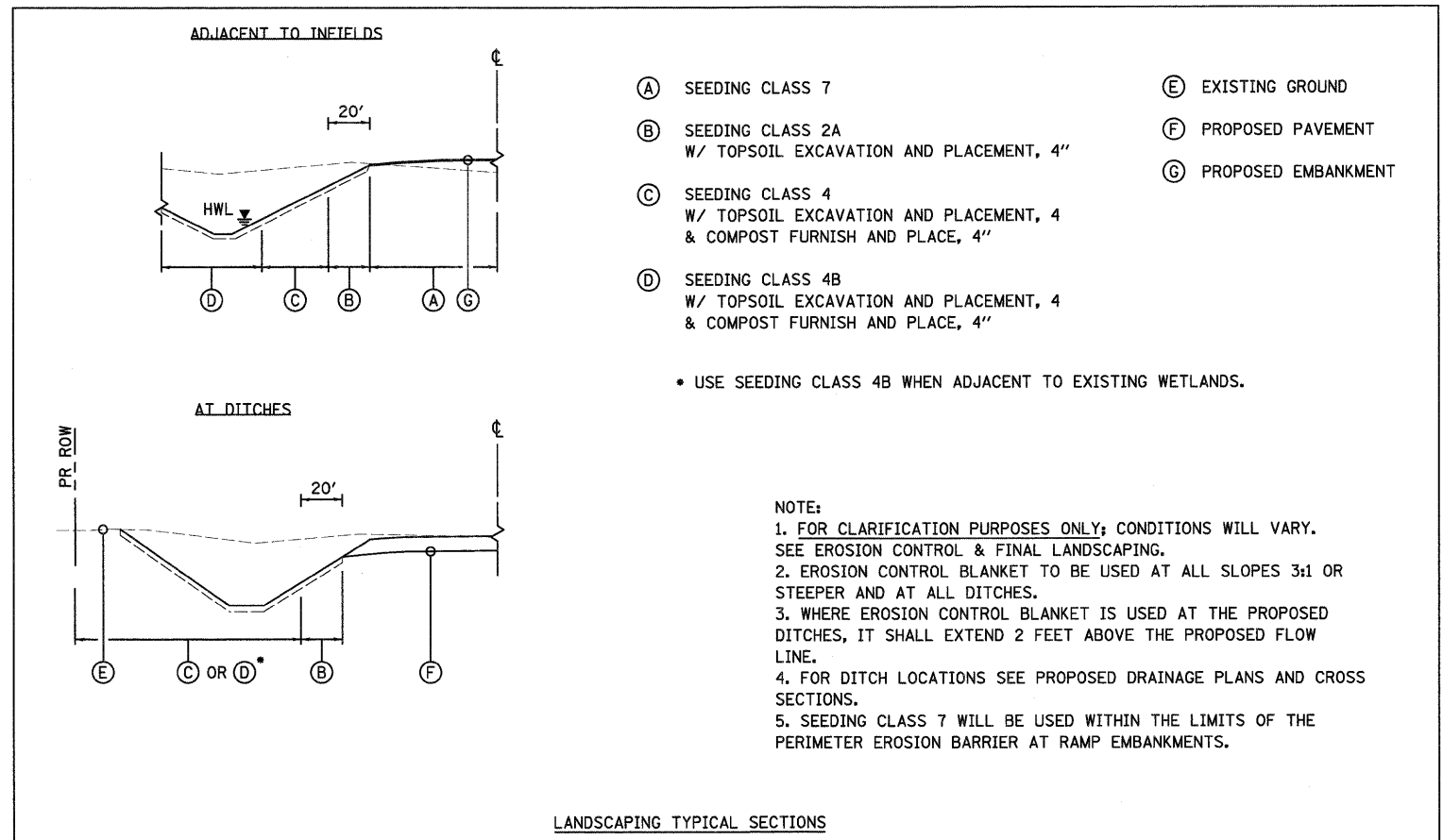
20. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE.

21. THE CONTRACTOR SHALL TAKE OVER MAINTENANCE RESPONSIBILITY OF THE EROSION CONTROL ITEMS PREVIOUSLY INSTALLED BY OTHERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED FOR PAYMENT WITH THE VARIOUS ITEMS INVOLVED. REMOVAL OF THESE ITEMS WILL BE PAID FOR AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "REMOVAL OF EROSION ITEMS."

EROSION AND SEDIMENT CONTROL (ESC) STRATEGY

DISTURBED AREA: 202.9 ACRES
RECEIVING WATERS: NORTH FORK OF GRANT CREEK, AND THE DES PLAINES RIVER

1. ERECT PERIMETER EROSION BARRIER AS SHOWN ON THE PLANS.
2. ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
3. CLEAR AND GRUB, REMOVE EXISTING TREES AS NECESSARY.
4. INSTALL INLET FILTERS AND INLET & PIPE PROTECTION AS SHOWN ON THE PLANS.
5. INSTALL TEMPORARY DITCH CHECKS AT 18" VERTICAL INTERVALS.
6. STABILIZE DISTURBED AREAS WITH EROSION CONTROL BLANKET AND TEMPORARY EROSION CONTROL SEEDING AS SHOWN ON THE PLANS.
7. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
8. WHEN FINAL STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY MEASURES.



- (A) SEEDING CLASS 7
 - (B) SEEDING CLASS 2A W/ TOPSOIL EXCAVATION AND PLACEMENT, 4"
 - (C) SEEDING CLASS 4 W/ TOPSOIL EXCAVATION AND PLACEMENT, 4 & COMPOST FURNISH AND PLACE, 4"
 - (D) SEEDING CLASS 4B W/ TOPSOIL EXCAVATION AND PLACEMENT, 4 & COMPOST FURNISH AND PLACE, 4"
 - (E) EXISTING GROUND
 - (F) PROPOSED PAVEMENT
 - (G) PROPOSED EMBANKMENT
- USE SEEDING CLASS 4B WHEN ADJACENT TO EXISTING WETLANDS.





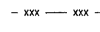
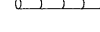






NOTE:
1. FOR CLARIFICATION PURPOSES ONLY; CONDITIONS WILL VARY. SEE EROSION CONTROL & FINAL LANDSCAPING.
2. EROSION CONTROL BLANKET TO BE USED AT ALL SLOPES 3:1 OR STEEPER AND AT ALL DITCHES.
3. WHERE EROSION CONTROL BLANKET IS USED AT THE PROPOSED DITCHES, IT SHALL EXTEND 2 FEET ABOVE THE PROPOSED FLOW LINE.
4. FOR DITCH LOCATIONS SEE PROPOSED DRAINAGE PLANS AND CROSS SECTIONS.
5. SEEDING CLASS 7 WILL BE USED WITHIN THE LIMITS OF THE PERIMETER EROSION BARRIER AT RAMP EMBANKMENTS.

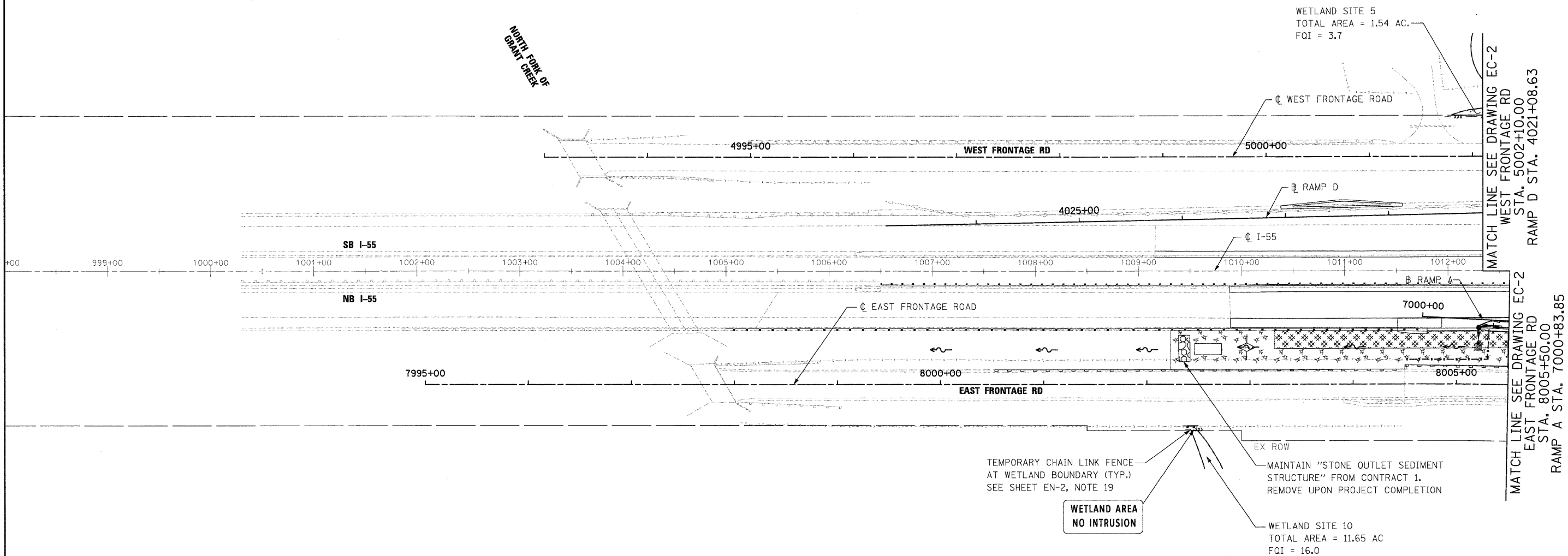
SOIL PROTECTION SCHEDULE

| STABILIZATION TYPE | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | NOV. | DEC. |
|----------------------------|------|------|------|------|-----|------|------|------|-------|------|------|------|
| PERMANENT SEEDING | | | A | | | | | A | | | | |
| DORMANT SEEDING | B | | | | | | | | | A | | |
| TEMPORARY SEEDING | | | B | | | | | | | | | |
| EROSION BLANKET/HYDROMULCH | B | | | | | | | | | | | |

| | | | |
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| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | | REVISED - |

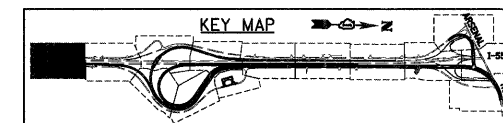
EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street, Chicago, Illinois 60601

| | | | |
|---------------------------------------|----------------------|----------------|-----------|
| FILE NAME = D160F12-SHT-EROS11.dgn | USER NAME = TKLuegel | DESIGNED - JCL | REVISED - |
| | | DRAWN - JCL | REVISED - |
| | | CHECKED - DLT | REVISED - |
| | | DATE - 2/4/11 | REVISED - |













**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

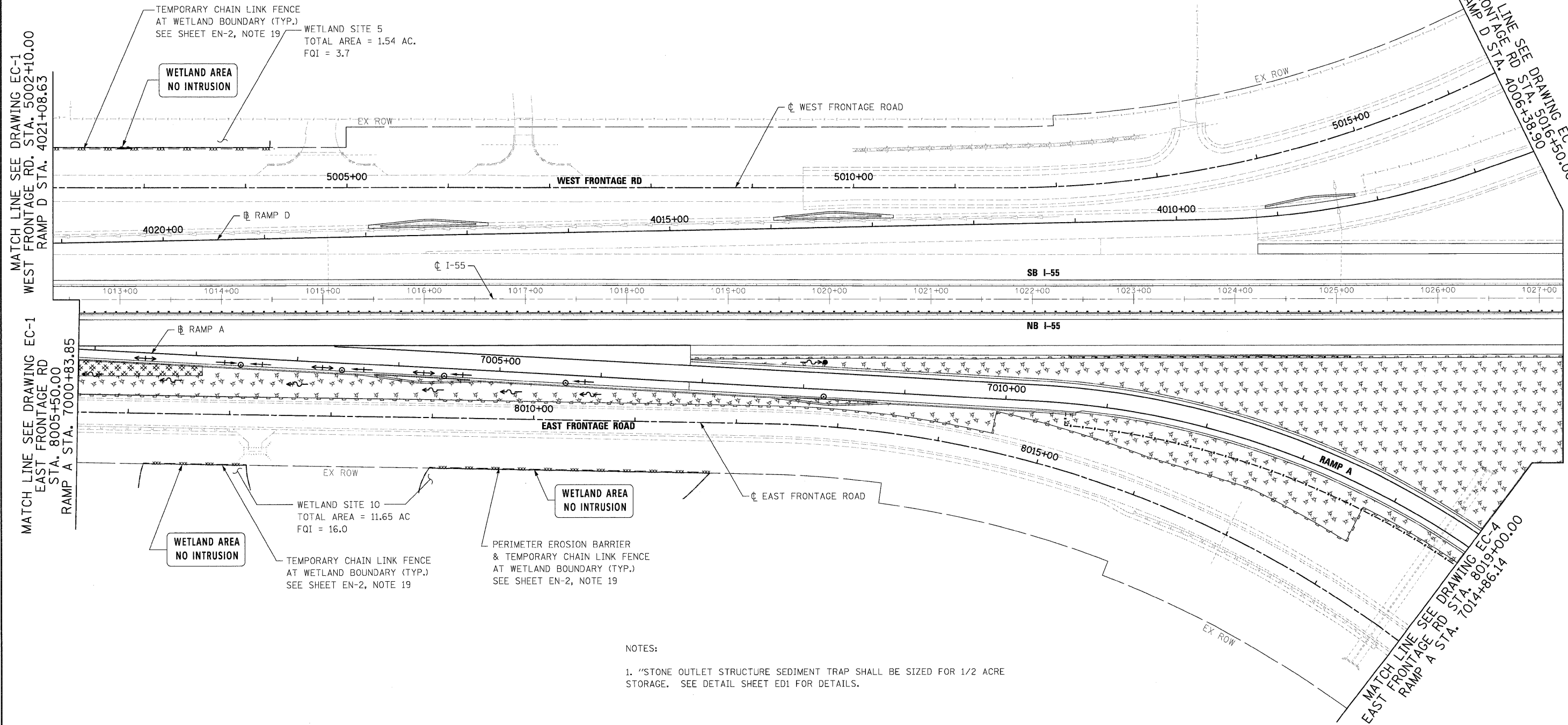
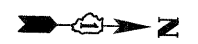
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 1 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 150 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

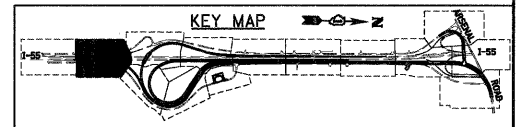
EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



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FILE NAME = D180F12-SHT-EROS12.dgn
 USER NAME = TKluogel
 PLOT SCALE = 1:50
 PLOT DATE = 2/3/2011

DESIGNED - JCL
 DRAWN - JCL
 CHECKED - DLT
 DATE - 2/4/11

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN













SCALE: 1"=50' SHEET NO. 2 OF 15 SHEETS STA. TO STA.

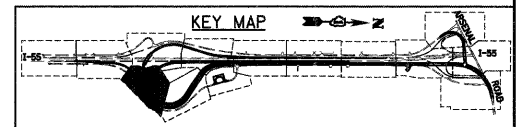
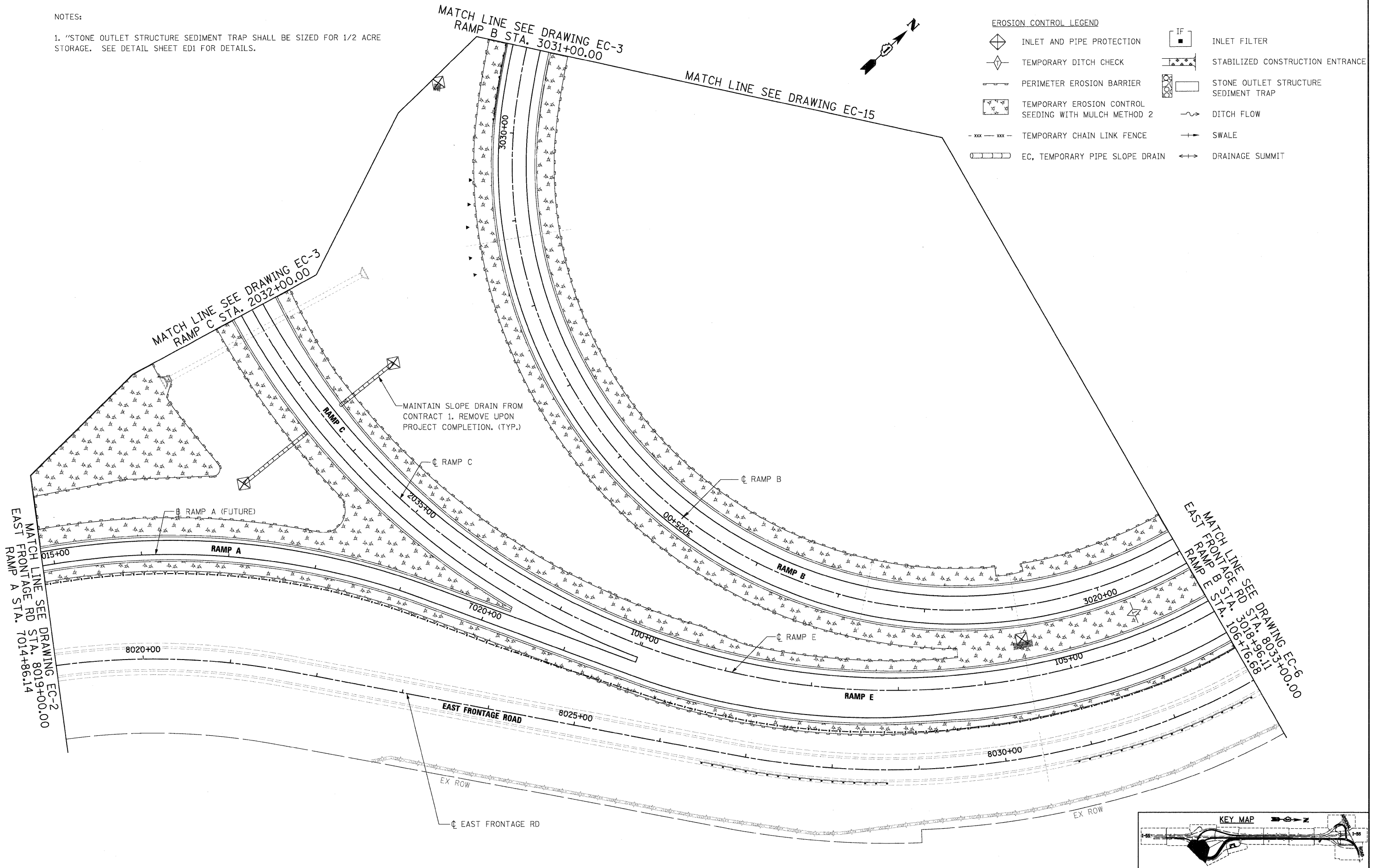
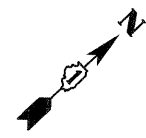
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|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 151 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



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| | | DATE - 2/4/11 | REVISED - |

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| PLOT SCALE = 1:50 | CHECKED - DLT | REVISED - |
| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1"=50' SHEET NO. 4 OF 15 SHEETS STA. TO STA.

| | | | | |
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| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 153 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

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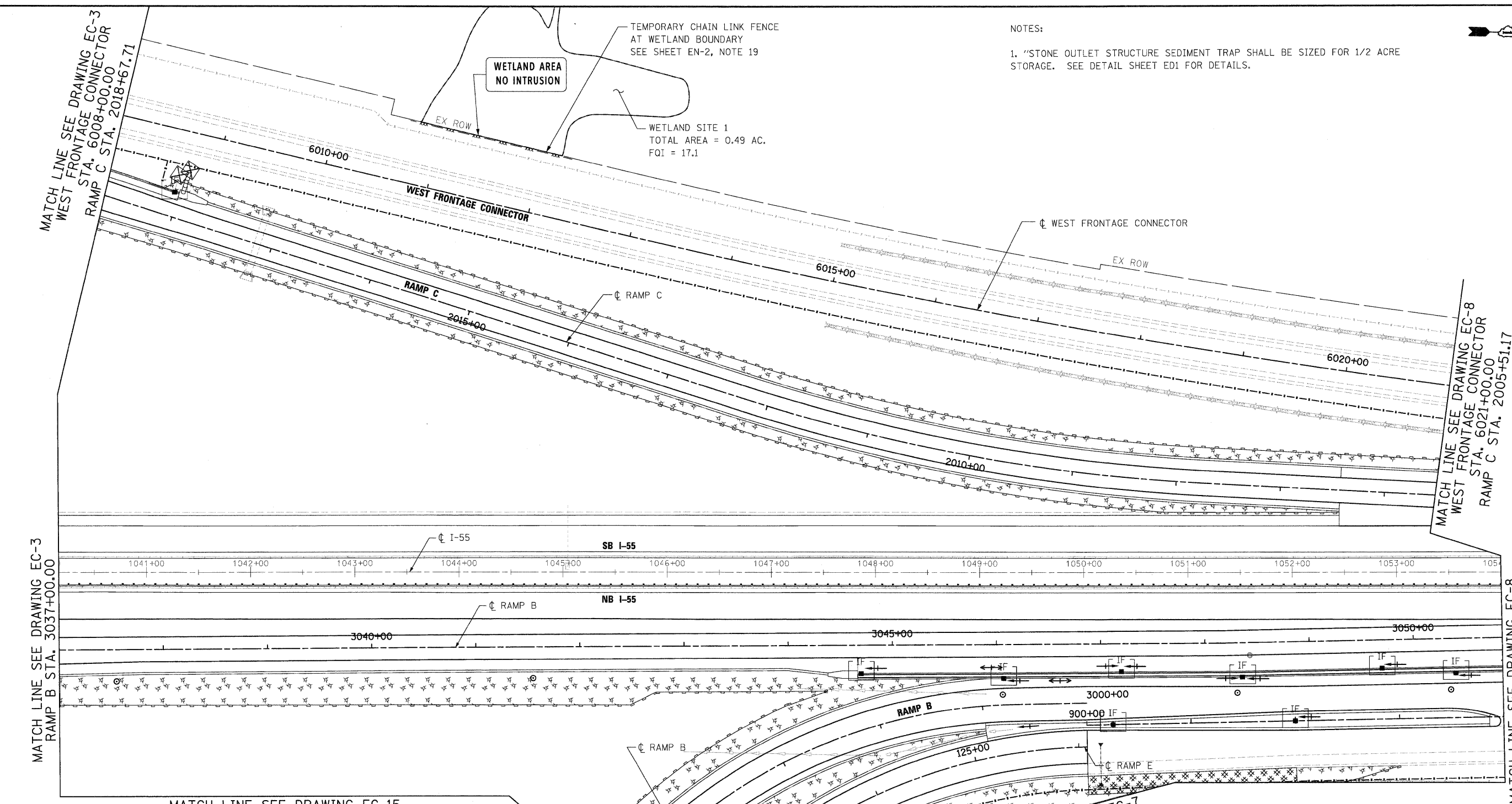
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| CHECKED - DLT | REVISED - |
| DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 5 OF 15 SHEETS STA. TO STA.

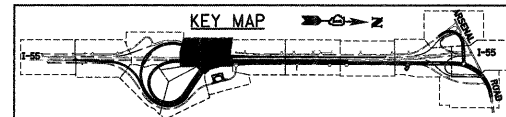
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| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |















NOTES:
 1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



- EROSION CONTROL LEGEND**
- INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
 - TEMPORARY CHAIN LINK FENCE
 - EC, TEMPORARY PIPE SLOPE DRAIN
 - INLET FILTER
 - STABILIZED CONSTRUCTION ENTRANCE
 - STONE OUTLET STRUCTURE SEDIMENT TRAP
 - DITCH FLOW
 - SWALE
 - DRAINAGE SUMMIT



EROSION CONTROL LEGEND

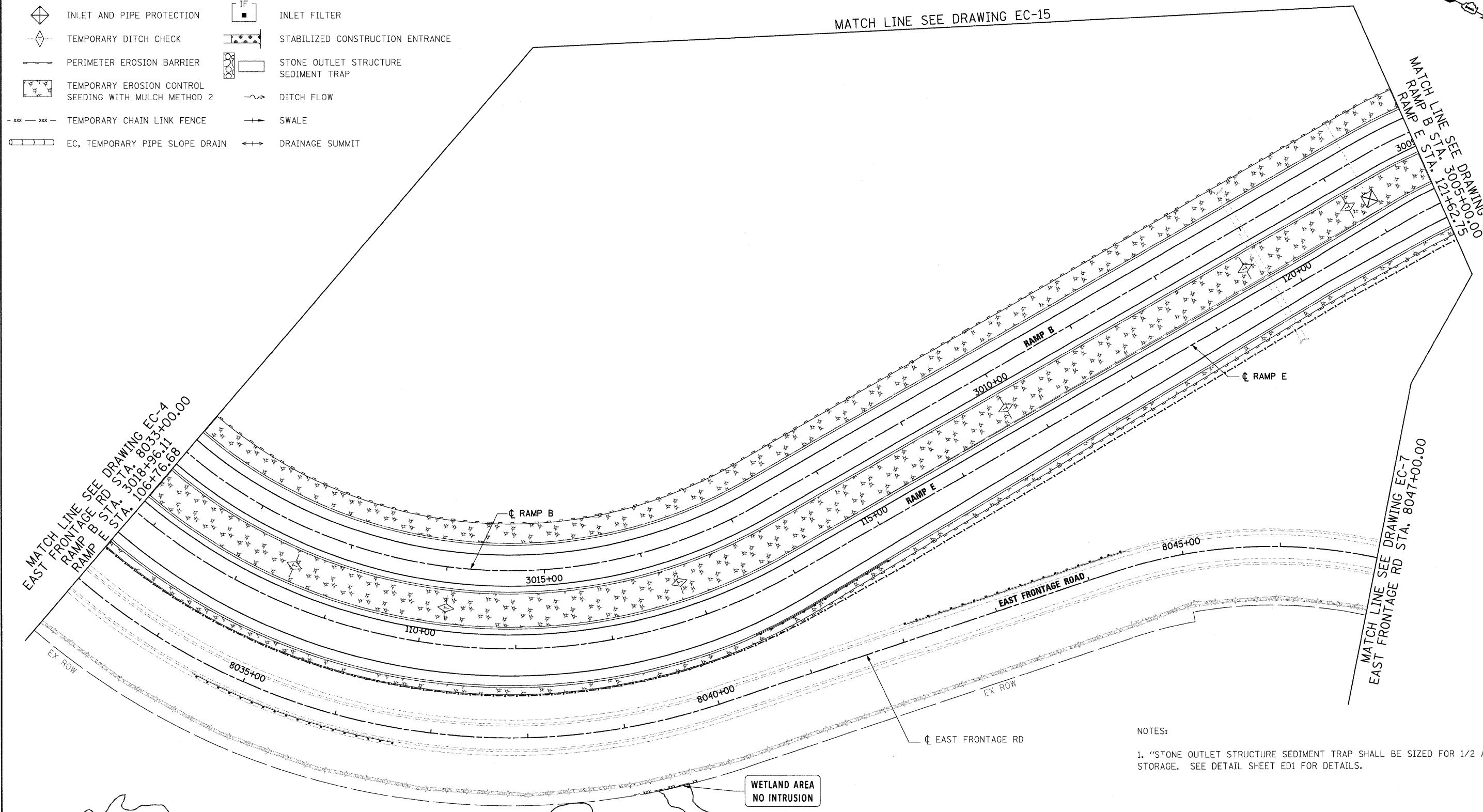
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  - xxx - xxx - TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

MATCH LINE SEE DRAWING EC-15

MATCH LINE SEE DRAWING EC-5
RAMP B STA. 3005+00.00
RAMP E STA. 121+62.75

MATCH LINE SEE DRAWING EC-4
EAST FRONTAGE RD STA. 8033+00.00
RAMP B STA. 3018+96.11
RAMP E STA. 106+76.88

MATCH LINE SEE DRAWING EC-7
EAST FRONTAGE RD STA. 8047+00.00

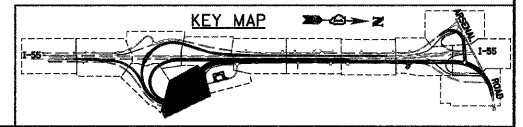


NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.

WETLAND SITE 9
TOTAL AREA = 0.78 AC.
FQI = 14.7

WETLAND AREA
NO INTRUSION



McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street, Chicago, Illinois 60601

| | |
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| FILE NAME = | USER NAME = TKluegel |
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| PLOT SCALE = 1"=50' | |
| PLOT DATE = 2/3/2011 | |

| | |
|----------------|----------|
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| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |

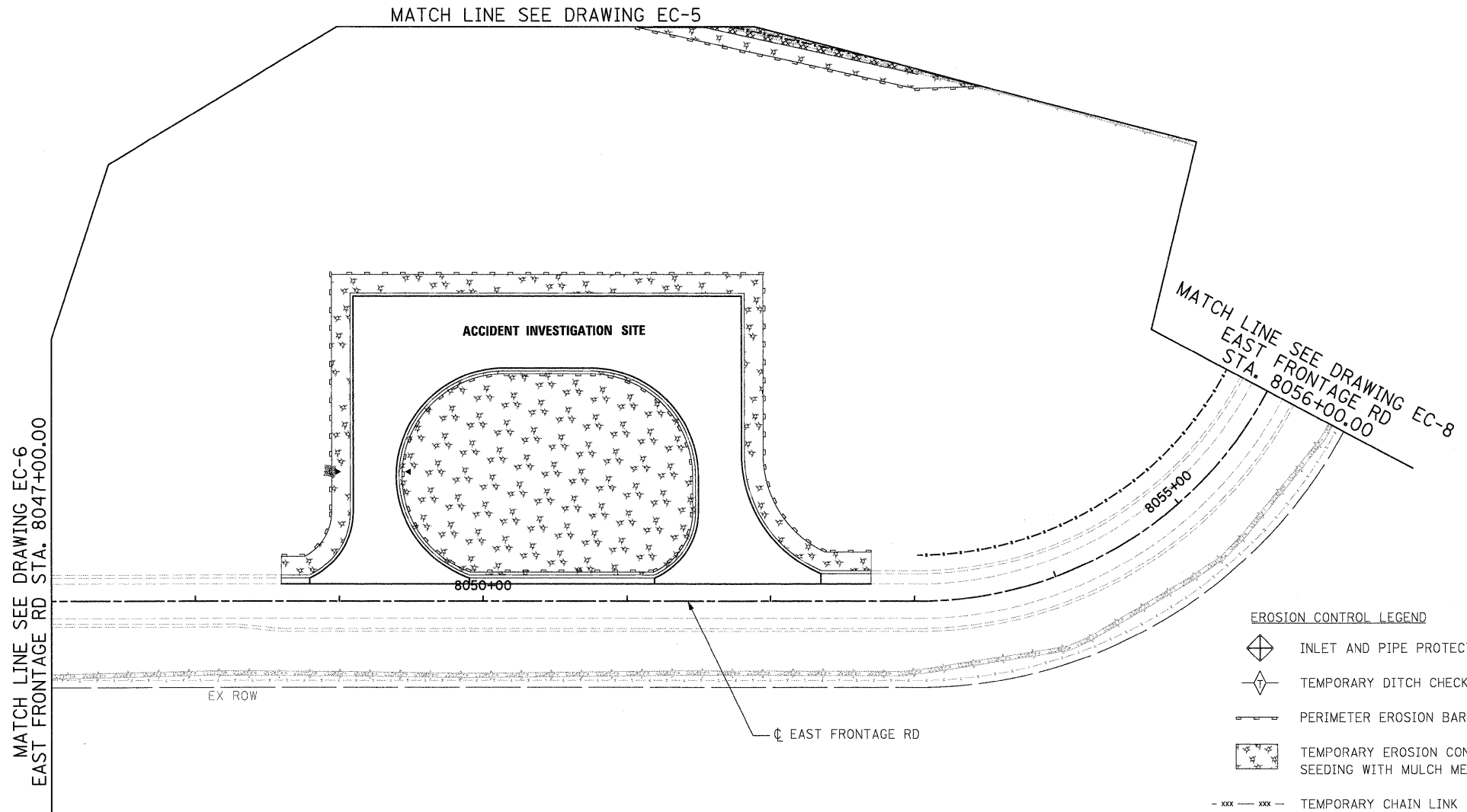
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| DESIGNED - JCL | REVISD - |
| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**













EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 6 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 155 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

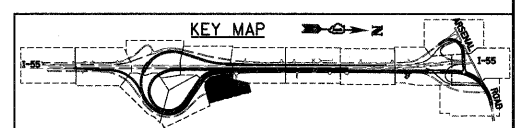


EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street, Chicago, Illinois 60601

| | |
|------------------------|----------------------|
| FILE NAME = | USER NAME = tkluegel |
| D160F12-SHT-EROS17.dgn | |

| | |
|----------------|-------------|
| DESIGNED - JCL | REVISOR - |
| DRAWN - JCL | REVISIONS - |
| CHECKED - DLT | |
| DATE - 2/4/11 | |

| | |
|----------------|-------------|
| DESIGNED - JCL | REVISOR - |
| DRAWN - JCL | REVISIONS - |
| CHECKED - DLT | |
| DATE - 2/4/11 | |

| | |
|----------------|-------------|
| DESIGNED - JCL | REVISOR - |
| DRAWN - JCL | REVISIONS - |
| CHECKED - DLT | |
| DATE - 2/4/11 | |













**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| EROSION AND SEDIMENT CONTROL PLAN | |
|-----------------------------------|---------|
| SCALE: 1"=50' | TO STA. |
| SHEET NO. 7 OF 15 SHEETS | |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 156 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

MATCH LINE SEE DRAWING EC-5 WEST FRONTAGE CONNECTOR STA. 6021+00.00 RAMP C STA. 2005+51.17

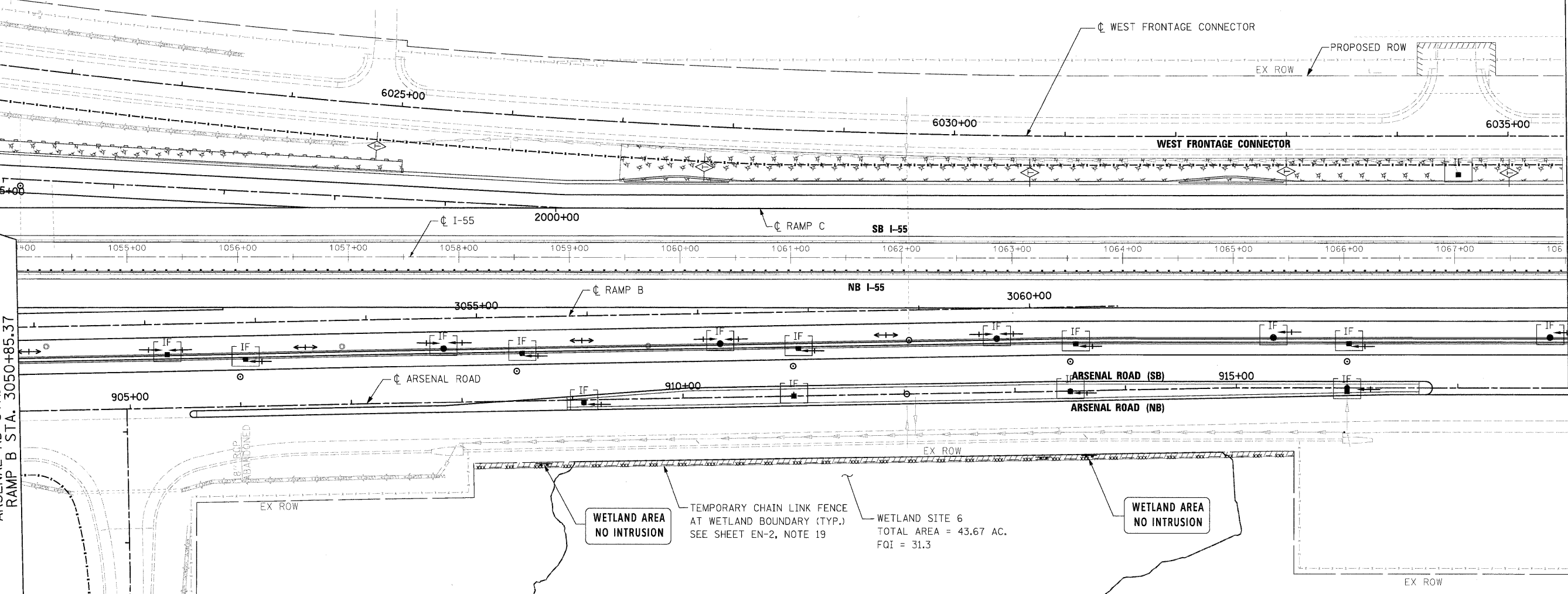
MATCH LINE SEE DRAWING EC-5 ARSENAL RD STA. 904+00.00 RAMP B STA. 3050+85.37

MATCH LINE SEE DRAWING EC-7 EAST FRONTAGE RD STA. 8056+00.00

MATCH LINE SEE DRAWING EC-9 WEST FRONTAGE CONNECTOR STA. 6035+50.00 RAMP C STA. 1990+89.59

MATCH LINE SEE DRAWING EC-9 ARSENAL RD STA. 918+00.00

UNNAMED TRIBUTARY TO THE NORTH FORK OF GRANT CREEK



WETLAND AREA NO INTRUSION

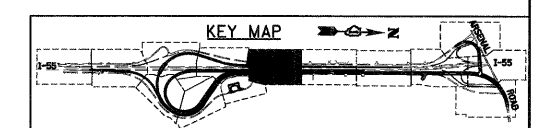
TEMPORARY CHAIN LINK FENCE AT WETLAND BOUNDARY (TYP.) SEE SHEET EN-2, NOTE 19

WETLAND SITE 6
TOTAL AREA = 43.67 AC.
FQI = 31.3

WETLAND AREA NO INTRUSION

NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street, Chicago, Illinois 60601

| | |
|------------------------|----------------------|
| FILE NAME = | USER NAME = TKluagel |
| D160F12-SHT-EROS18.dgn | |

| | |
|----------------|----------|
| DESIGNED - JCL | REVISD - |
| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |

| | |
|----------------|----------|
| DESIGNED - JCL | REVISD - |
| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |

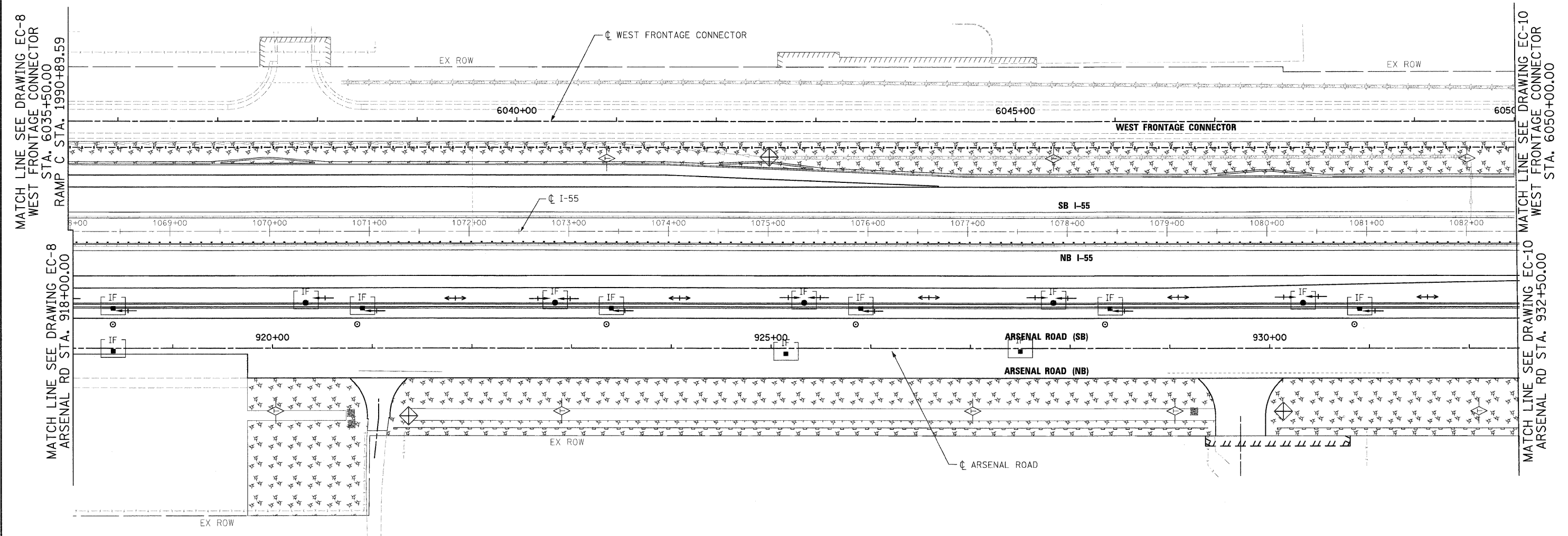
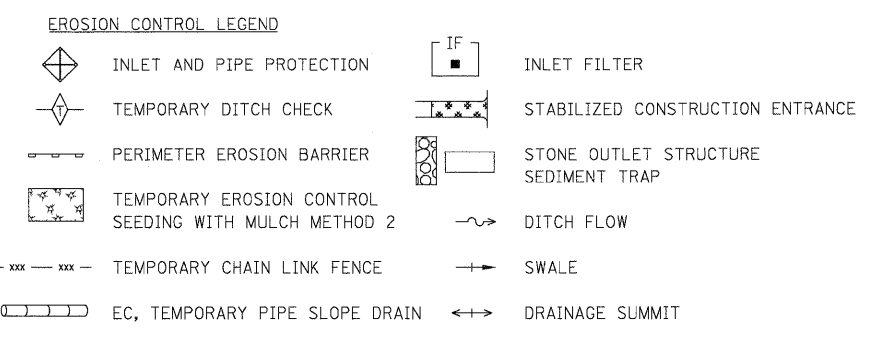
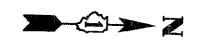
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|----------------|----------|
| DESIGNED - JCL | REVISD - |
| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 8 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 157 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:
 1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.

McDonough Associates Inc.
 Engineers / Architects
 180 East Randolph Street, Chicago, Illinois 60601

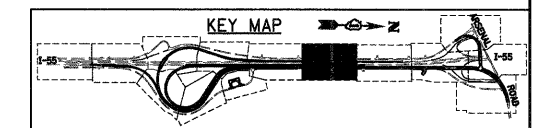
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| | | |
|----------------------|----------------|-----------|
| USER NAME = TK1uegl | DESIGNED - JCL | REVISED - |
| PLOT SCALE = 1"=50' | DRAWN - JCL | REVISED - |
| PLOT DATE = 2/3/2011 | CHECKED - DLT | REVISED - |
| | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN













SCALE: 1"=50' SHEET NO. 9 OF 15 SHEETS STA. TO STA.



| F.A.I RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 158 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



EROSION CONTROL LEGEND

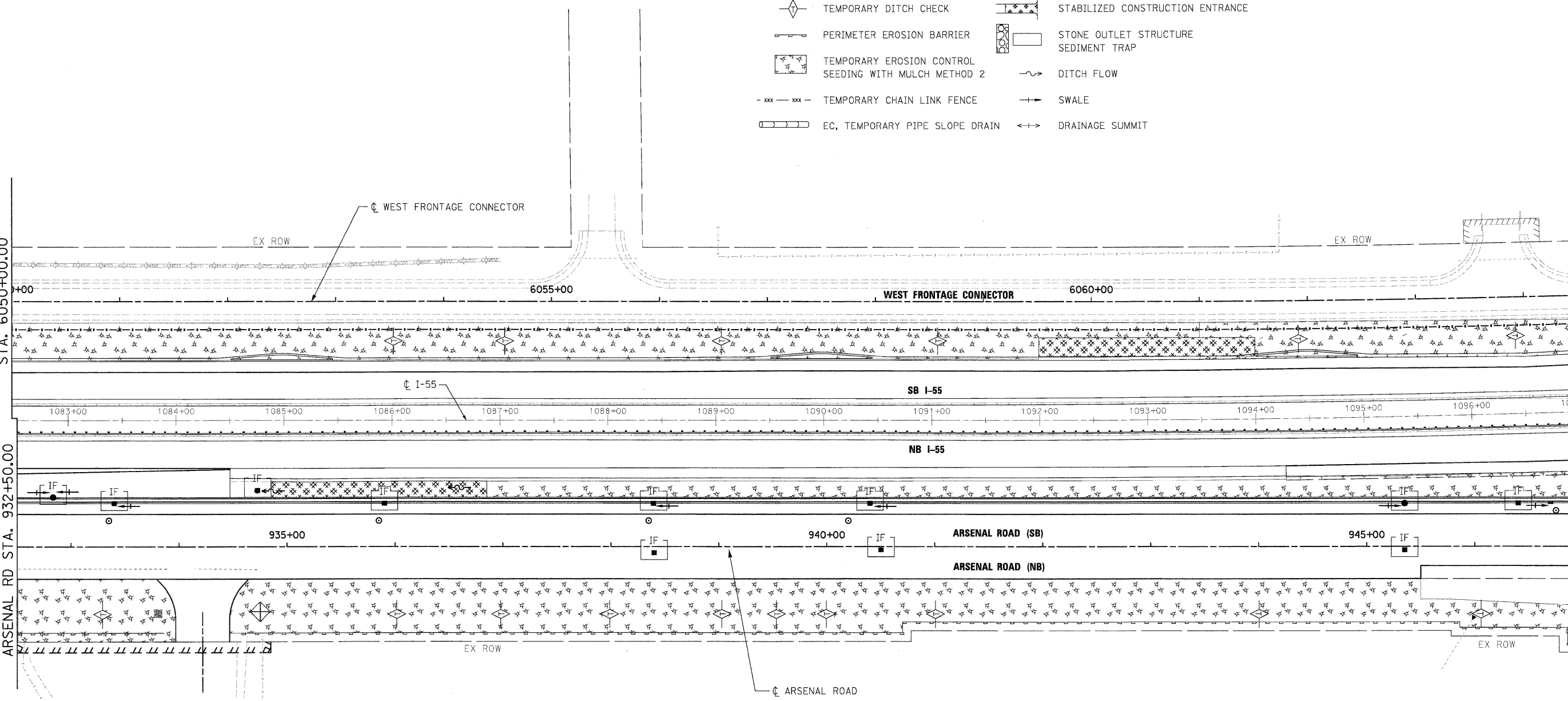
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

MATCH LINE SEE DRAWING EC-9 WEST FRONTAGE CONNECTOR STA. 6050+00.00

MATCH LINE SEE DRAWING EC-9 ARSENAL RD STA. 932+50.00

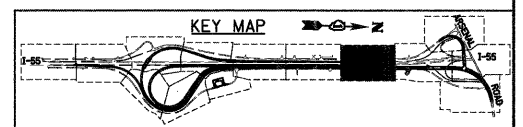
MATCH LINE SEE DRAWING EC-11 WEST FRONTAGE CONNECTOR STA. 6064+50.00

MATCH LINE SEE DRAWING EC-11 ARSENAL RD STA. 947+00.00



NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.















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| FILE NAME = D16\F12-SHT-EROS20.dgn | USER NAME = TKLuegel | DESIGNED - JCL | REVISED - |
| | | DRAWN - JCL | REVISED - |
| | | CHECKED - DLT | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

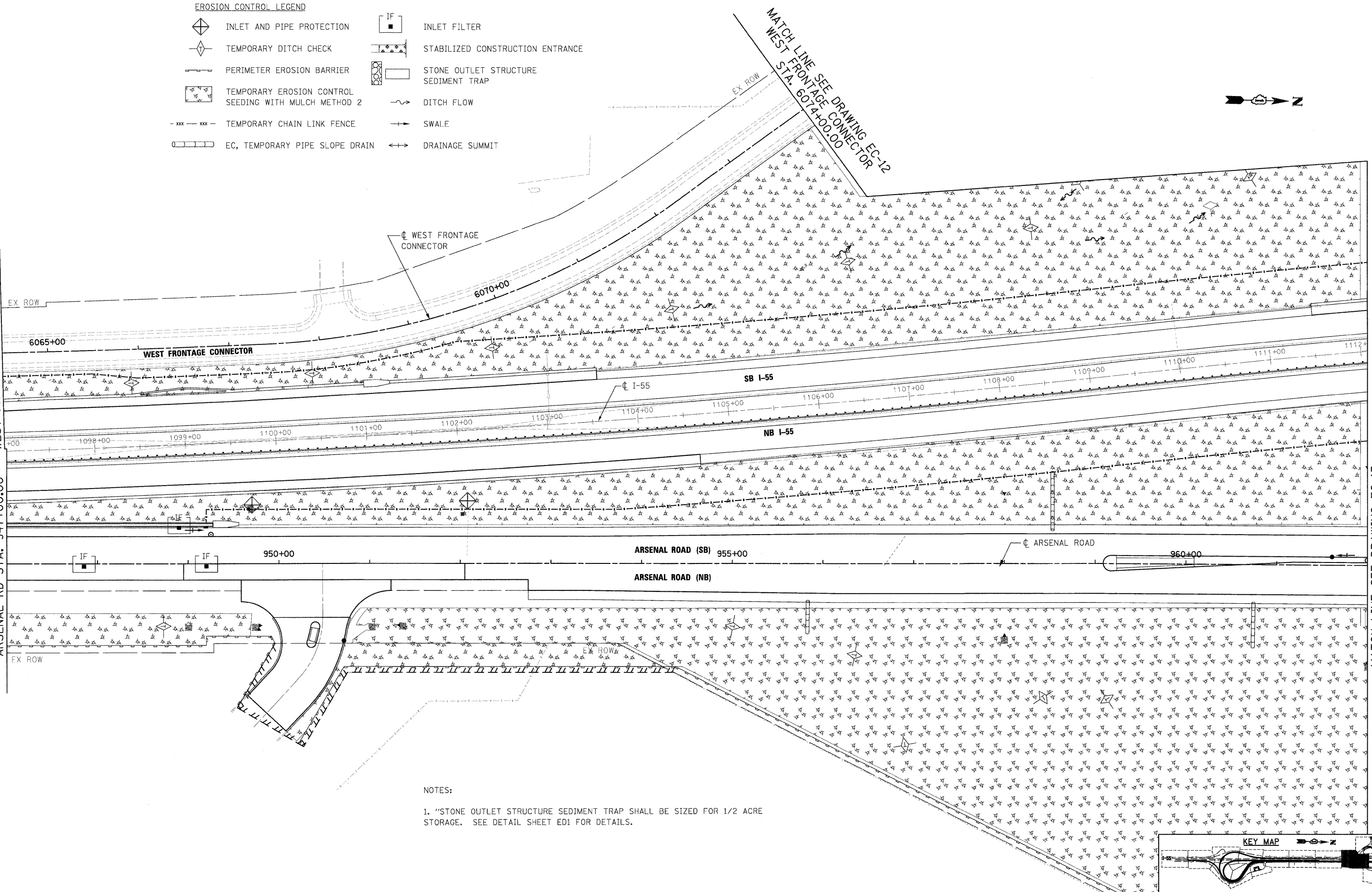
SCALE: 1"=50' SHEET NO. 10 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 159 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

- EROSION CONTROL LEGEND**
-  INLET AND PIPE PROTECTION
 -  TEMPORARY DITCH CHECK
 -  PERIMETER EROSION BARRIER
 -  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
 -  TEMPORARY CHAIN LINK FENCE
 -  EC, TEMPORARY PIPE SLOPE DRAIN
 -  INLET FILTER
 -  STABILIZED CONSTRUCTION ENTRANCE
 -  STONE OUTLET STRUCTURE SEDIMENT TRAP
 -  DITCH FLOW
 -  SWALE
 -  DRAINAGE SUMMIT

MATCH LINE SEE DRAWING EC-10 WEST FRONTAGE CONNECTOR STA. 6064+50.00

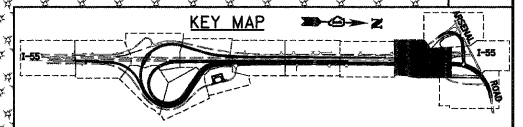
MATCH LINE SEE DRAWING EC-10 ARSENAL RD STA. 947+00.00



MATCH LINE SEE DRAWING EC-13 ARSENAL RD STA. 962+00.00

NOTES:

- "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



McDonough Associates Inc.
Engineers / Architects
130 East Randolph Street, Chicago, Illinois 60601

| | |
|--------------------------|---------------------|
| FILE NAME = | USER NAME = TK1uegl |
| D:\60\F12-SHT-EROS21.dgn | |
| PLOT SCALE = 1:50 | |
| PLOT DATE = 2/3/2011 | |

| | |
|----------------|----------|
| DESIGNED - JCL | REVISD - |
| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |













**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

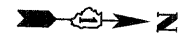
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 11 OF 15 SHEETS STA. TO STA.

| | | | | |
|---|-------------|--------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 55 | 99-2HB-2B-1 | WILL | 756 | 160 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |

EROSION CONTROL LEGEND

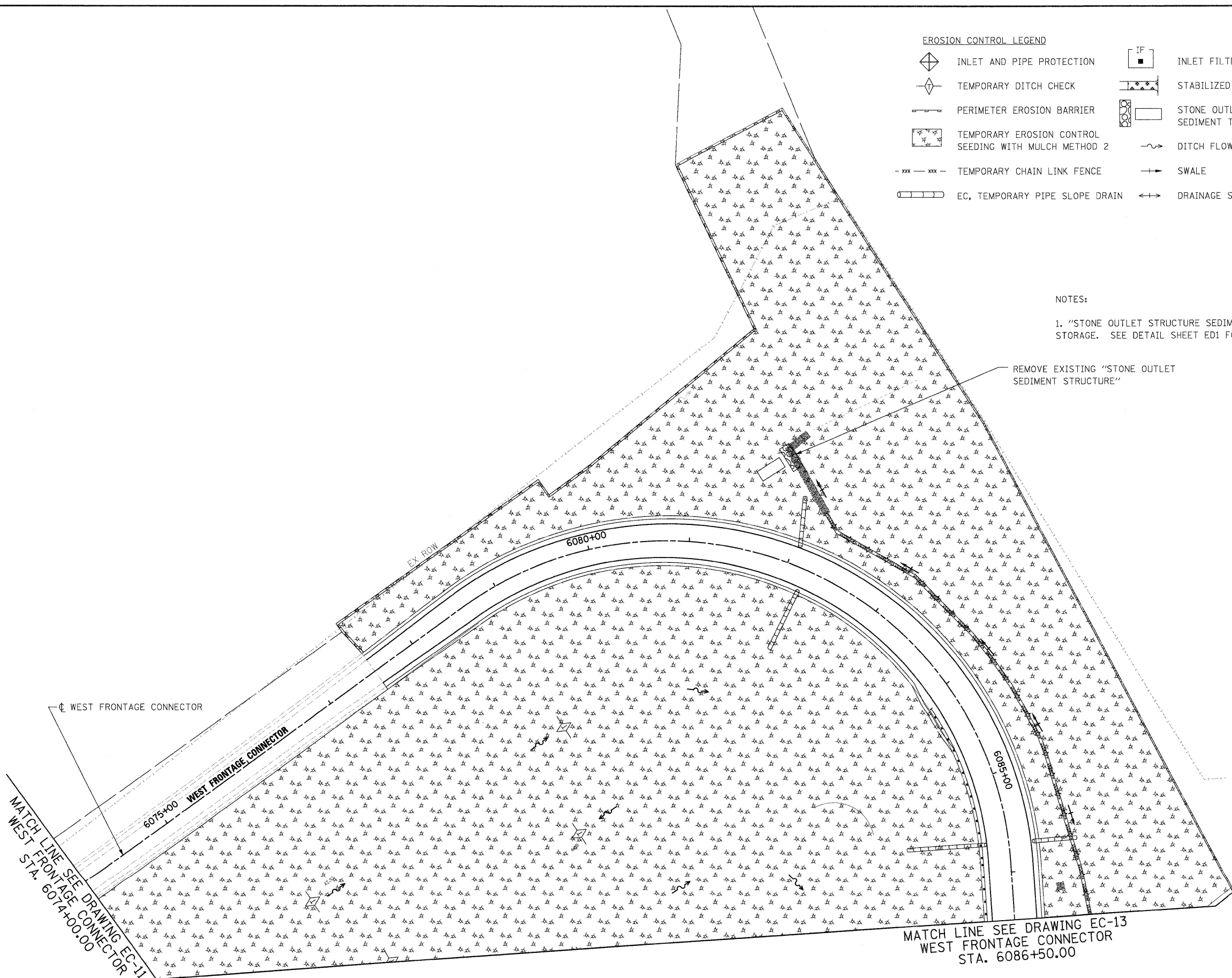
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



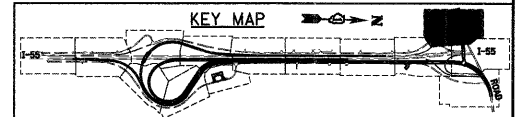
NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.

REMOVE EXISTING "STONE OUTLET SEDIMENT STRUCTURE"



McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street, Chicago, Illinois 60601



| | | | |
|---------------------------------------|---------------------|----------------|-----------|
| FILE NAME = D160F12-SH1-EROS22.dgn | USER NAME = TKJuegl | DESIGNED - JCL | REVISED - |
| | | DRAWN - JCL | REVISED - |
| | | CHECKED - DLT | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**













EROSION AND SEDIMENT CONTROL PLAN

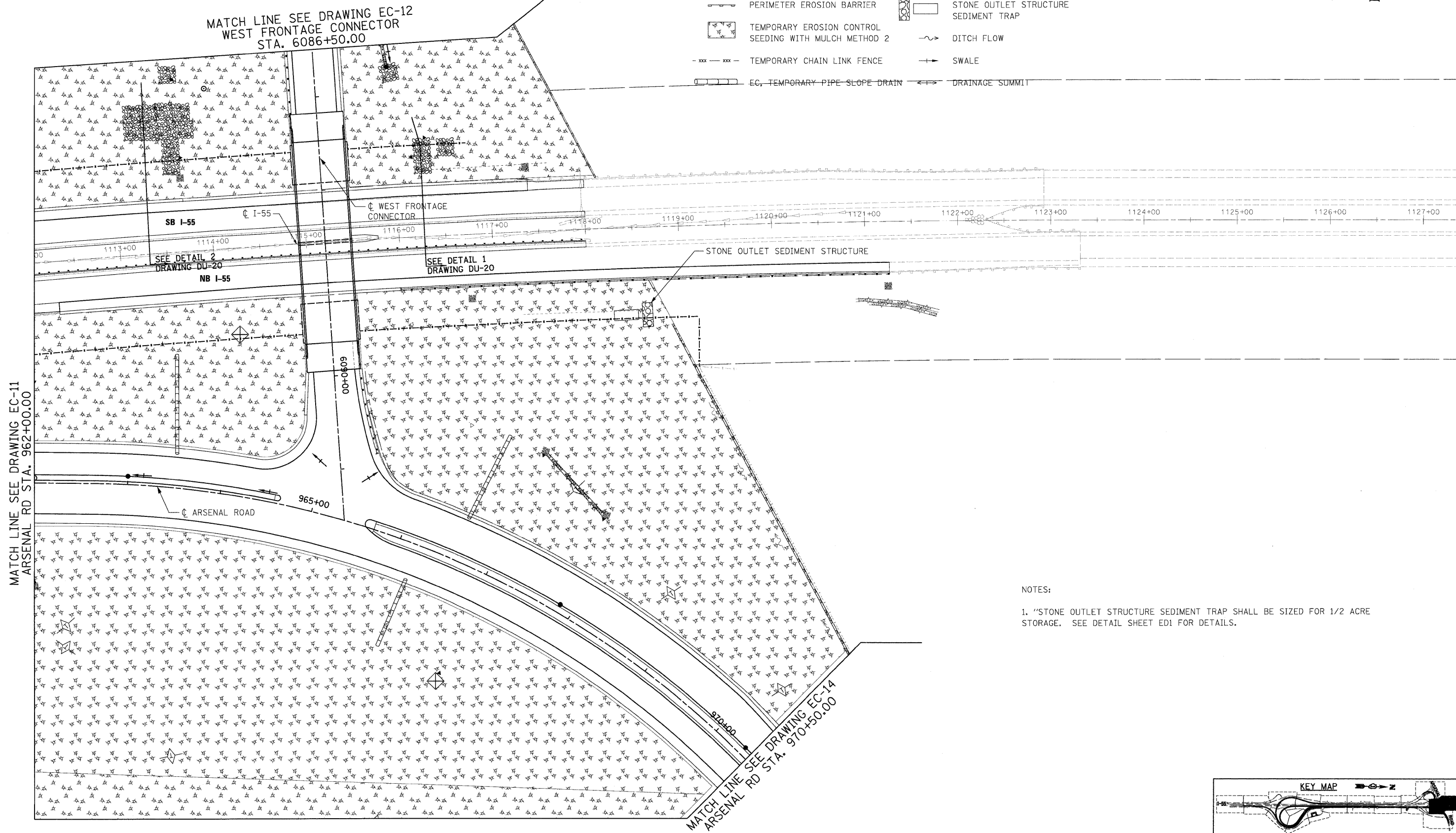
SCALE: 1"=50' SHEET NO. 12 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL. | 756 | 161 |
| CONTRACT NO. 60F12 | | | | |

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



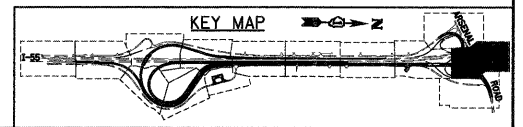
MATCH LINE SEE DRAWING EC-11 ARSENAL RD STA. 962+00.00

MATCH LINE SEE DRAWING EC-12 WEST FRONTAGE CONNECTOR STA. 6086+50.00

MATCH LINE SEE DRAWING EC-14 ARSENAL RD STA. 970+50.00

NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



| | |
|------------------------|----------------------|
| FILE NAME = | USER NAME = TKIuegel |
| D160F12-SHT-EROS23.dgn | |
| PLOT SCALE = 1/8"=1' | |
| PLOT DATE = 2/3/2011 | |

| | |
|----------------|-----------|
| DESIGNED - JCL | REVISED - |
| DRAWN - JCL | REVISED - |
| CHECKED - DLT | REVISED - |
| DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 13 OF 15 SHEETS STA. TO STA.

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 162 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60F12 | |



FOR CONTINUATION
SEE DRAWING EC-13













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ARSENAL RD STA. 970+50.00

ARSENAL ROAD

915+00

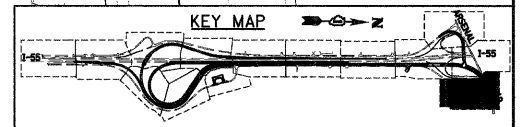
ARSENAL ROAD

EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  INLET FILTER
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT

NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



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 130 East Randolph Street, Chicago, Illinois 60601

| | |
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| FILE NAME = | USER NAME = TKLuegel |
| D:\B2\F12-SHT-EROS24.dgn | |

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| DRAWN - JCL | REVISD - |
| CHECKED - DLT | REVISD - |
| DATE - 2/4/11 | REVISD - |













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| DATE - 2/4/11 | REVISD - |

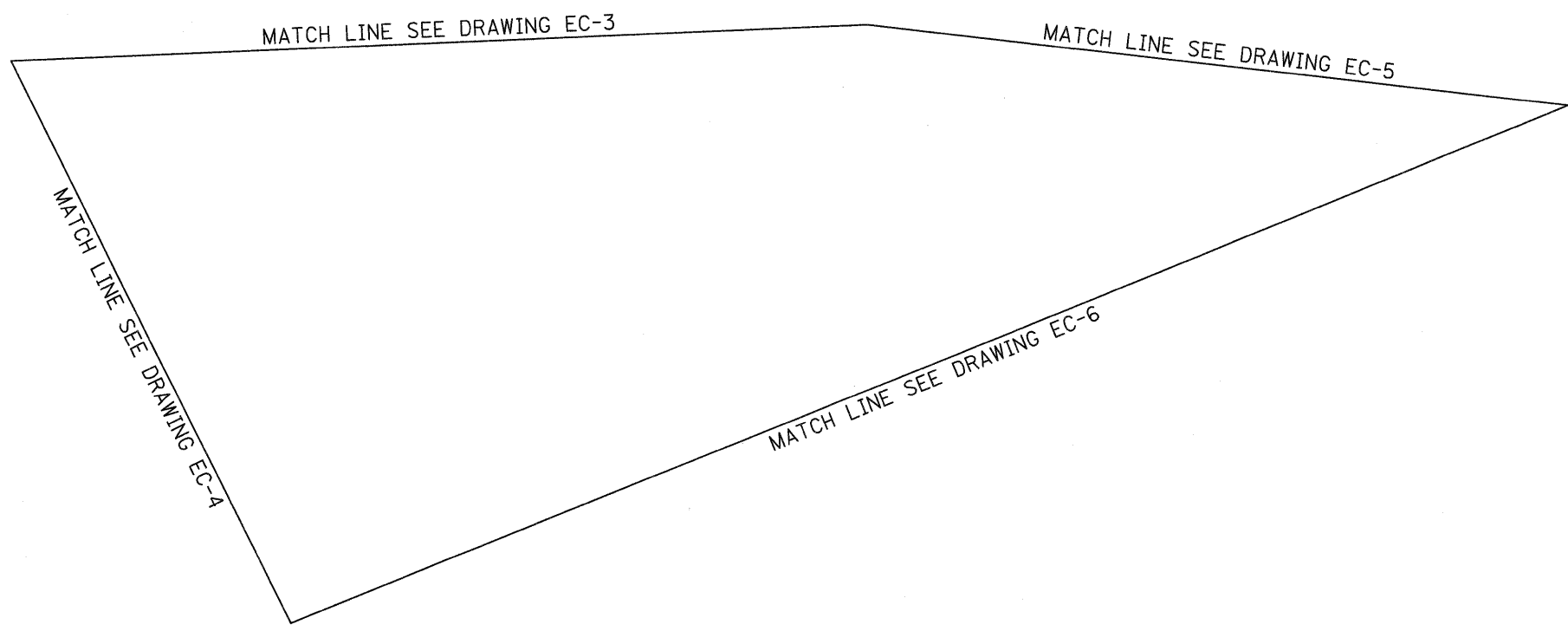
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
 SCALE: 1"=50' SHEET NO. 14 OF 15 SHEETS STA. TO STA.

| | | | | |
|---|---------------------|-------------|------------------|---------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 163 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

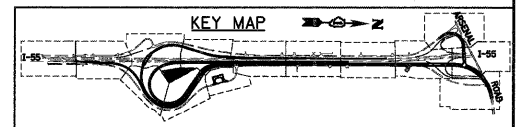
EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 2
-  TEMPORARY CHAIN LINK FENCE
-  EC, TEMPORARY PIPE SLOPE DRAIN
-  IF
-  STABILIZED CONSTRUCTION ENTRANCE
-  STONE OUTLET STRUCTURE SEDIMENT TRAP
-  DITCH FLOW
-  SWALE
-  DRAINAGE SUMMIT



NOTES:

1. "STONE OUTLET STRUCTURE SEDIMENT TRAP SHALL BE SIZED FOR 1/2 ACRE STORAGE. SEE DETAIL SHEET ED1 FOR DETAILS.



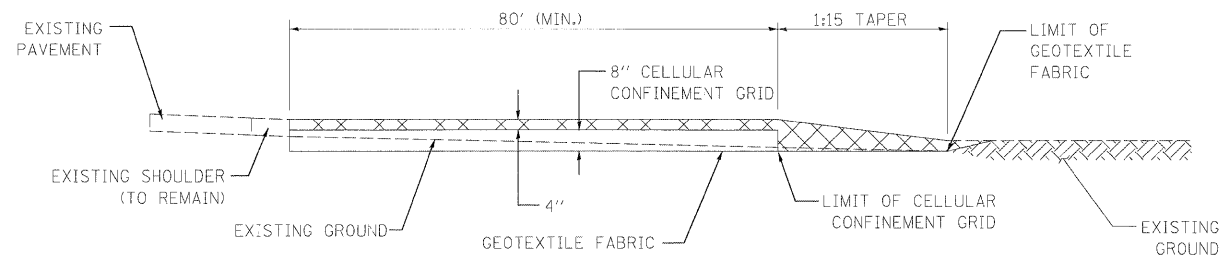
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| FILE NAME = D160F12-SHT-EROS25.dgn | USER NAME = TKLuegel | DESIGNED - JCL | REVISED - |
| | | DRAWN - JCL | REVISED - |
| | | CHECKED - DLT | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

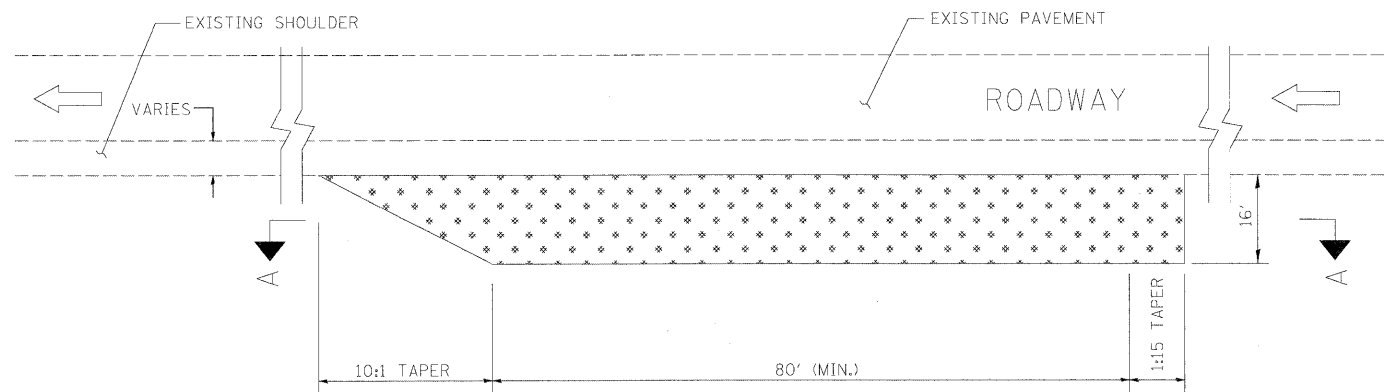
EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 15 OF 15 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 164 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



SECTION A-A
N.T.S.



PLAN
N.T.S.

LEGEND

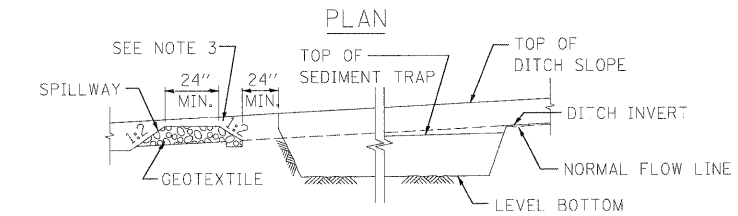
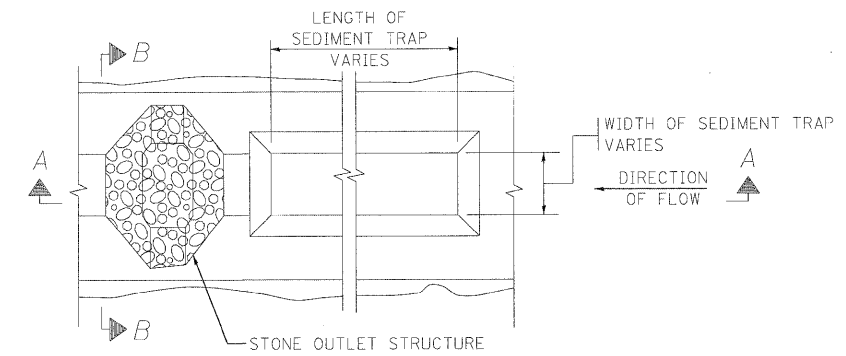


CONSTRUCTION SPECIFICATIONS AND NOTES

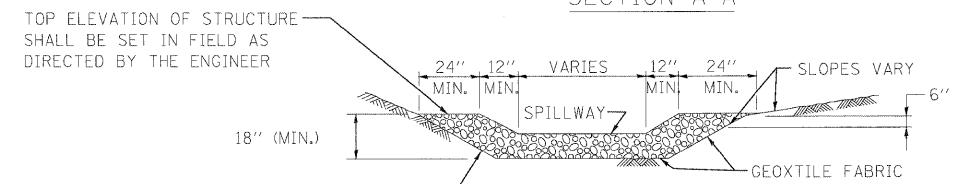
- STABILIZED CONSTRUCTION ENTRANCE
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 80 FEET.
 - THICKNESS - NOT LESS THAN 4", ABOVE TOP OF CELLULAR CONFINEMENT GRID.
- EXISTING DITCH DRAINAGE TO BE MAINTAINED.
- GRADE FILL TO 1:10 ON APPROACH SIDE OF ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL



SECTION A-A



SECTION B-B

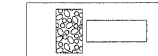
CUT SIDE SLOPES IN SEDIMENT TRAP AS STEEP AS SOIL CONDITIONS WILL ALLOW

NOTES:

- USE IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
- THE STONE OUTLET STRUCTURES SHALL BE REPLACED DUE TO WAS-HOUT, CONSTRUCTION TRAFFIC DAMAGE OR SILT ACCUMULATION. THE SILT SHALL BE CLEANED WHEN THE TRAP IS 50% FULL.
- THIS WORK WILL BE PAID FOR UNDER THE FOLLOWING ITEMS: EARTH EXCAVATION FOR EROSION CONTROL, STONE RIPRAP, CLASS A4 AND FILTER FABRIC.
- ALL SEDIMENT TRAPS SHALL BE DESIGNED TO PROVIDE 3600 CUBIC FEET OF STORAGE PER 1.0 ACRE OF DRAINAGE AREA.

STONE OUTLET STRUCTURE SEDIMENT TRAP

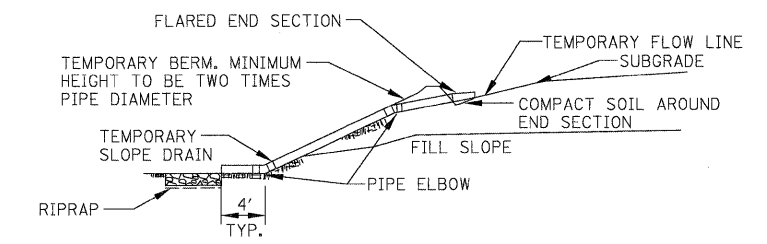
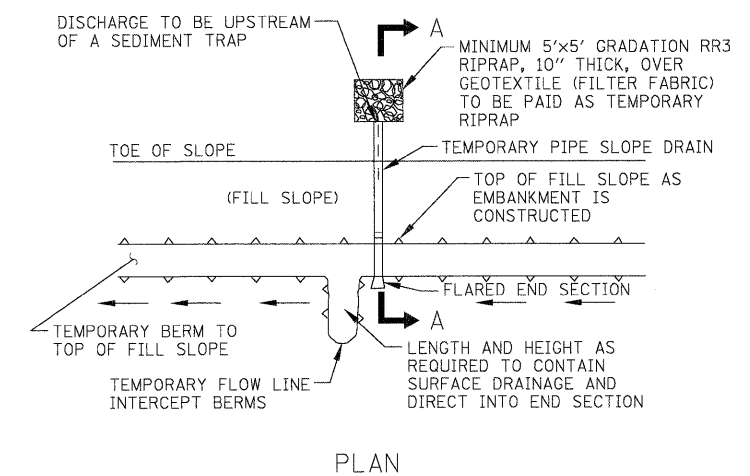
STANDARD SYMBOL



| DRAINAGE AREA | L | W | CAPACITY CFT |
|---------------|------|-----|--------------|
| 0.5 AC | 75' | 10' | 1,875 |
| 1.0 AC | 145' | 10' | 3,625 |
| 1.5 AC | 145' | 15' | 5,438 |
| 2.0 AC | 195' | 15' | 7,313 |

NOTE:

ALL DIMENSIONS ARE BASED UPON AN AVERAGE DEPTH OF 30" AND PROVIDING, AS A MINIMUM 3,600 CUBIC FEET OF STORAGE PER ACRE OF RUNOFF. L AND W ARE MEASURED ALONG THE BOTTOM OF THE TRAP. WHENEVER POSSIBLE, THE MAXIMUM AVERAGE DEPTH OF THE TRAP WILL BE 30". THE MAXIMUM DRAINAGE AREA ALLOWED PER TRAP IS 5 ACRES. THE DRAINAGE AREA IS THE TOTAL (INCLUDING OFF-SITE) AREA.

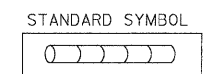


NOTES:

1. THE CONTRACTOR SHALL PLACE GEOTEXTILE (FILTER FABRIC) AROUND THE END SECTION TO PREVENT BLOW-OUTS.
2. ALL TEMPORARY SLOPE DRAINS WILL DISCHARGE INTO THE BACK OF SEDIMENT TRAPS, INTO SEDIMENT BASINS OR DITCHES DISCHARGING INTO TRAPS OR BASINS.
3. PIPE SHALL BE INSTALLED WITH WATER TIGHT CONNECTING BANDS AND SHALL BE SECURELY ANCHORED BY HOLD DOWN STAKES AND CABLES AT A MAXIMUM SPACING OF 10 FEET.
4. TEMPORARY PIPE SLOPE DRAINS WILL BE SPACED A MAX. OF EVERY 500 FEET ALONG THE FILL WITH A STANDARD DIA. OF 18 INCHES. THIS SIZE PIPE IS ADEQUATE TO HANDLE 1.5 ACRES OF CONTRIBUTING AREA. SPACING OR SIZE IS TO BE ADJUSTED IF CONTRIBUTING AREA IS LARGER THAN 1.5 ACRES, SEE ILLINOIS URBAN MANUAL. AT LEAST TWO TEMPORARY PIPE SLOPE DRAINS WILL BE PLACED IN EVERY SAC.
5. STAPLES SHALL BE USED TO ANCHOR THE FILTER FABRIC AND SHALL BE UNIFORMLY SPACED AT APPROXIMATELY 12".

APPLICATION: TEMPORARY SLOPE DRAIN SHALL BE USED AT THE TOP OF FILL SLOPE AS EMBANKMENT IS CONSTRUCTED TO PREVENT EXCESSIVE EROSION UNTIL SHOULDERS ARE CONSTRUCTED AND THE SLOPES ARE SEEDING AND MULCHED.

TEMPORARY PIPE SLOPE DRAIN



McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street, Chicago, Illinois 60601

| | | | |
|--|----------------------|----------------|-----------|
| FILE NAME = D:\60F12-SHT-EROS32.dgn | USER NAME = TKLuegel | DESIGNED - JCL | REVISED - |
| | | DRAWN - JCL | REVISED - |
| | | CHECKED - DLT | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | |
|---|-------------------------|
| EROSION AND SEDIMENT CONTROL DETAILS | |
| SCALE: NONE | SHEET NO. 1 OF X SHEETS |
| STA. _____ | TO STA. _____ |

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 166 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

DRAINAGE LEGEND

- PIPE CULVERT REMOVAL
- - - EXISTING PIPE CULVERT
- - - EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING CATCHBASIN
- - - EXISTING DITCH
- EXISTING SUMMIT
- EXISTING END SECTION
- XXX PROPOSED DRAINAGE PIPE
- XXX PROPOSED DRAINAGE STRUCTURE
- XXX PROPOSED BOX CULVERT
- WETLAND
- PROPOSED UNDERDRAIN
- PROPOSED PIPE CULVERT
- PROPOSED STORM SEWER
- PROPOSED MANHOLE
- PROPOSED CATCHBASIN
- - - PROPOSED DITCH
- PROPOSED SUMMIT
- PROPOSED END SECTION
- PROPOSED SWALE
- SHEET FLOW
- PROPOSED HEADWALL
- PROPOSED RIPRAP
- OUTFALL
- PROPOSED PAVED DITCH
- PROTECTIVE SLAB FOR EXISTING PIPE LINES

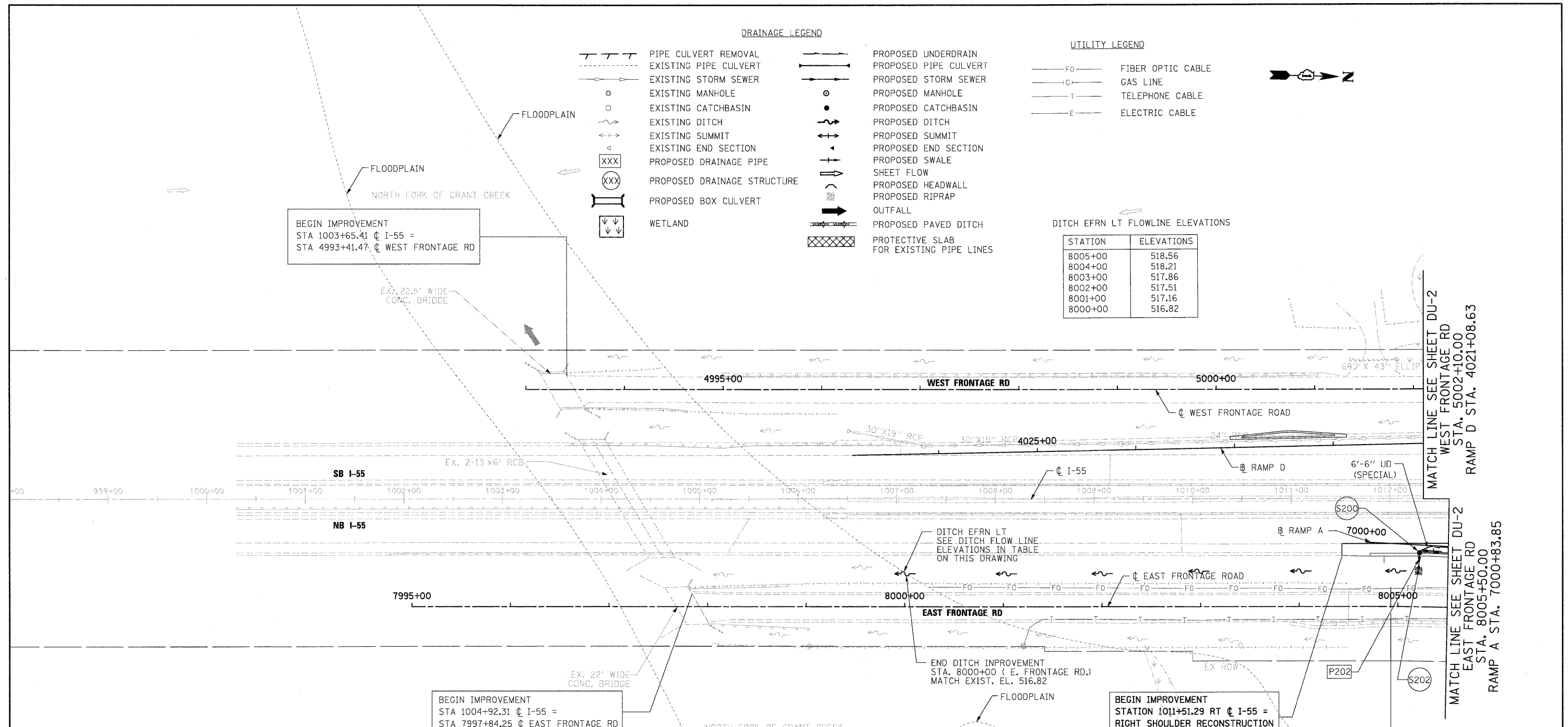
UTILITY LEGEND

- FO FIBER OPTIC CABLE
- G GAS LINE
- T TELEPHONE CABLE
- E ELECTRIC CABLE



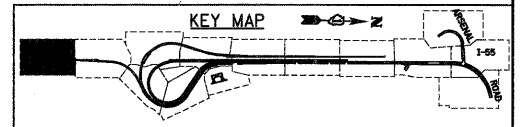
DITCH EFRN LT FLOWLINE ELEVATIONS

| STATION | ELEVATIONS |
|---------|------------|
| 8005+00 | 518.56 |
| 8004+00 | 518.21 |
| 8003+00 | 517.86 |
| 8002+00 | 517.51 |
| 8001+00 | 517.16 |
| 8000+00 | 516.82 |



NOTES:

1. EXISTING DRAINAGE TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
3. ALL STATIONS AND OFFSETS ARE OFF OF ROAD AND RAMP BASE LINE OR CENTERLINE UNLESS OTHERWISE NOTED.
4. CONNECTION OF EXISTING SEWER TO PROPOSED DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PROPOSED DRAINAGE STRUCTURE. ANY FITTINGS, BENDS AND COLLARS, IF REQUIRED, ARE INCIDENTAL TO THE CONTRACT.
5. FOR DRAINAGE STRUCTURE AND PIPE INFORMATION, SEE DRAWINGS DU-16 TO DU-18.
6. FOR RIPRAP DETAILS AND SCHEDULE, SEE DRAWINGS DU-19 AND DU-21.
7. FOR GRADING PLANS, SEE GR DRAWINGS.
8. ALL CONCRETE, CORRUGATED METAL END SECTION AND FLARED END SECTION REMOVAL SHALL BE CONSIDERED AS PART OF ITEM 20200100. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
9. FOR STORM SEWER PROFILES, SEE DRAWINGS DP-01 TO DP-14.
10. ALL PROPOSED STORM SEWERS SHALL BE OF REINFORCED CONCRETE.
11. ALL EXISTING UNDERDRAIN OUTLETS THAT ARE LOCATED IN THE DITCHES THAT WILL BE FILLED DUE TO PROPOSED ROADWAY WIDENING SHALL BE CONNECTED TO NEAREST DRAINAGE STRUCTURE. QUANTITY FOR THE PROPOSED PIPE UNDERDRAINS 6" WILL BE PROVIDED. ALL FITTINGS, BENDS AND COLLARS, IF REQUIRED, ARE INCIDENTAL TO THE CONTRACT.
12. STONE RIPRAP FOR UNDERDRAIN OUTLET SHALL BE PAID FOR AS 0.58 SQ. YD. CLASS A3 RIPRAP.
13. SEE DRAWING DU-15 FOR DRAINAGE STRUCTURE INVERT AND STATION LOCATION DETAIL.

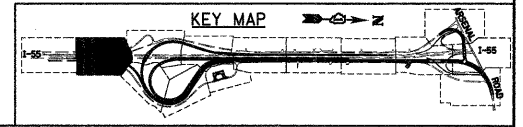
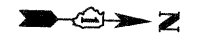
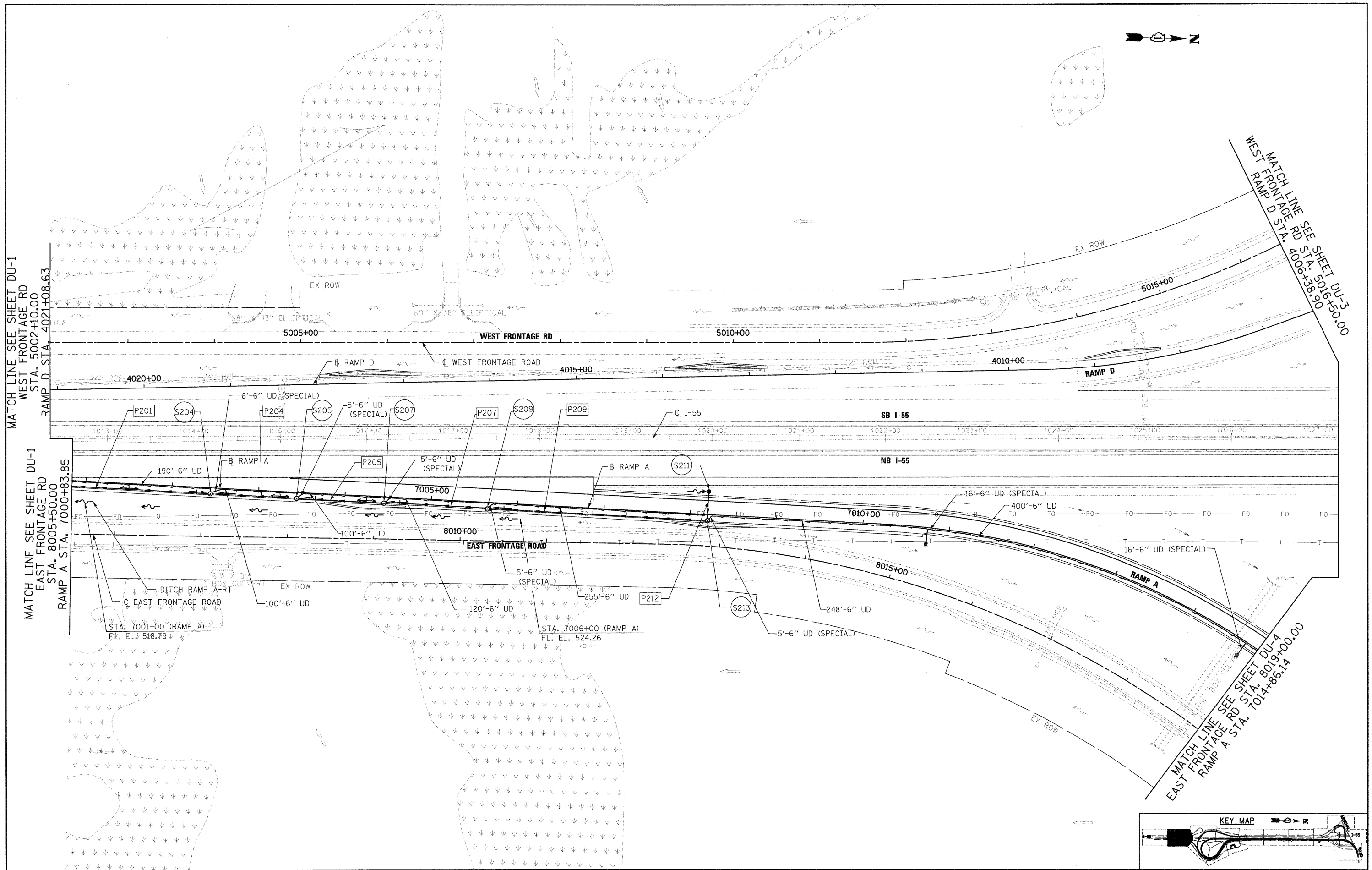


| | | | |
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| FILE NAME = D162F12-SHT-DRAIN01.dgn | USER NAME = TKLuegel | DESIGNED - PKT | REVISED - |
| | | DRAWN - VP | REVISED - |
| | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN
 SCALE: 1"=50' SHEET NO. 1 OF 25 SHEETS STA. TO STA.

| | | | | |
|---|------------------------|----------------|---------------------|------------------|
| F.A.T. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 167 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



FILE NAME = D160F12-SHT-DRAIN02.dgn
 USER NAME = TKluegel

DESIGNED - PKT
 DRAWN - VP
 CHECKED - CL
 DATE - 2/4/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

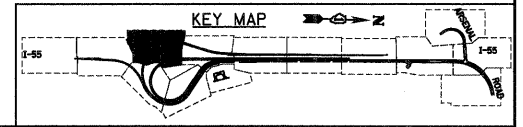
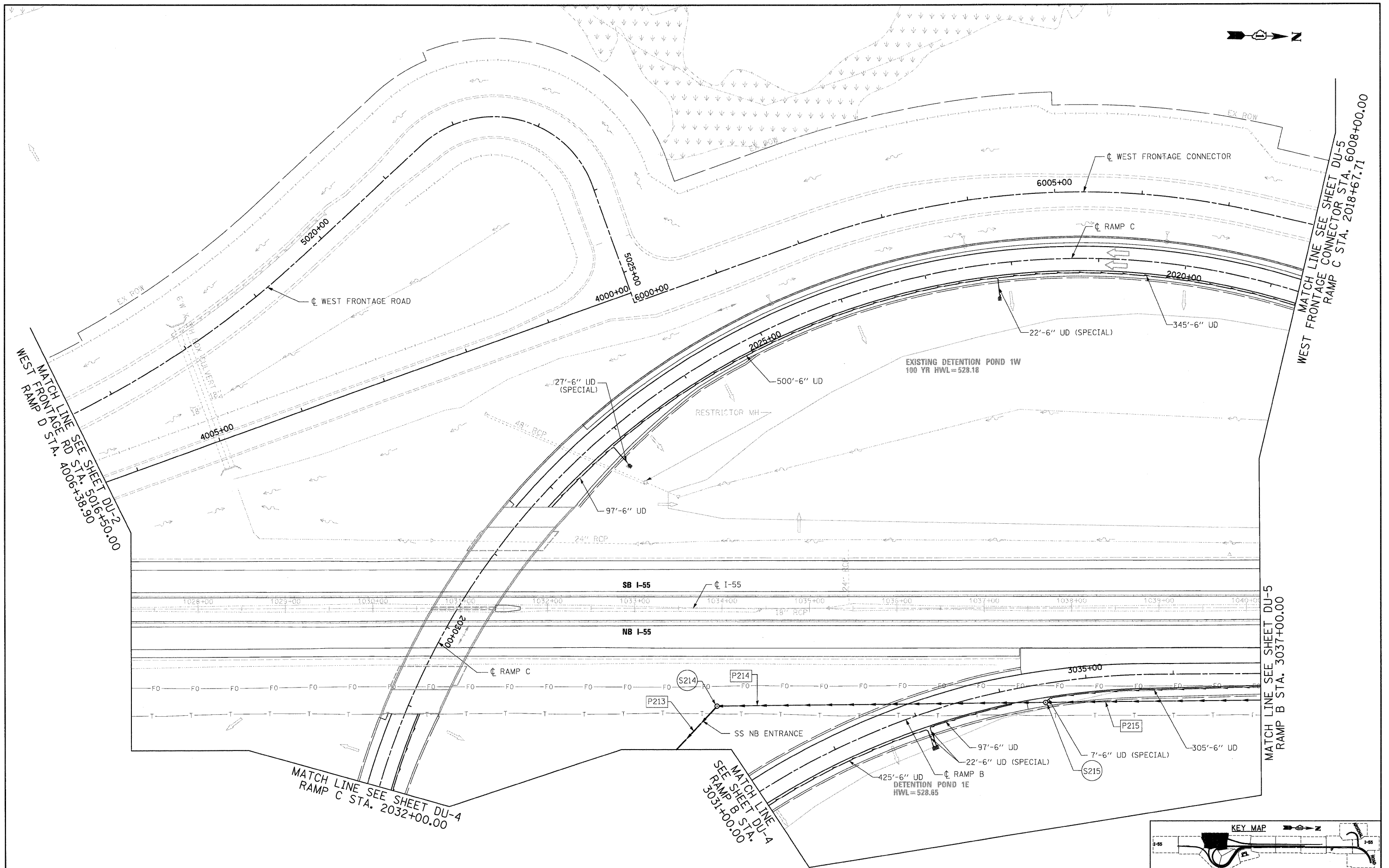
PLDT SCALE = 1/8"=1'-0"
 PLOT DATE = 2/3/2011

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 2 OF 25 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 168 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



| | | | |
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| FILE NAME = D16\F12-SHT-DRAIN03.dgn | USER NAME = TKluegel | DESIGNED - PKT | REVISED - |
| | | DRAWN - VP | REVISED - |
| | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

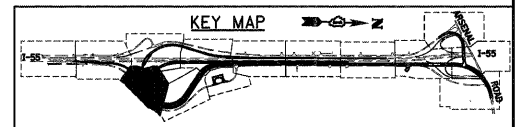
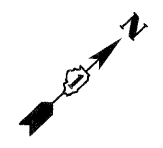
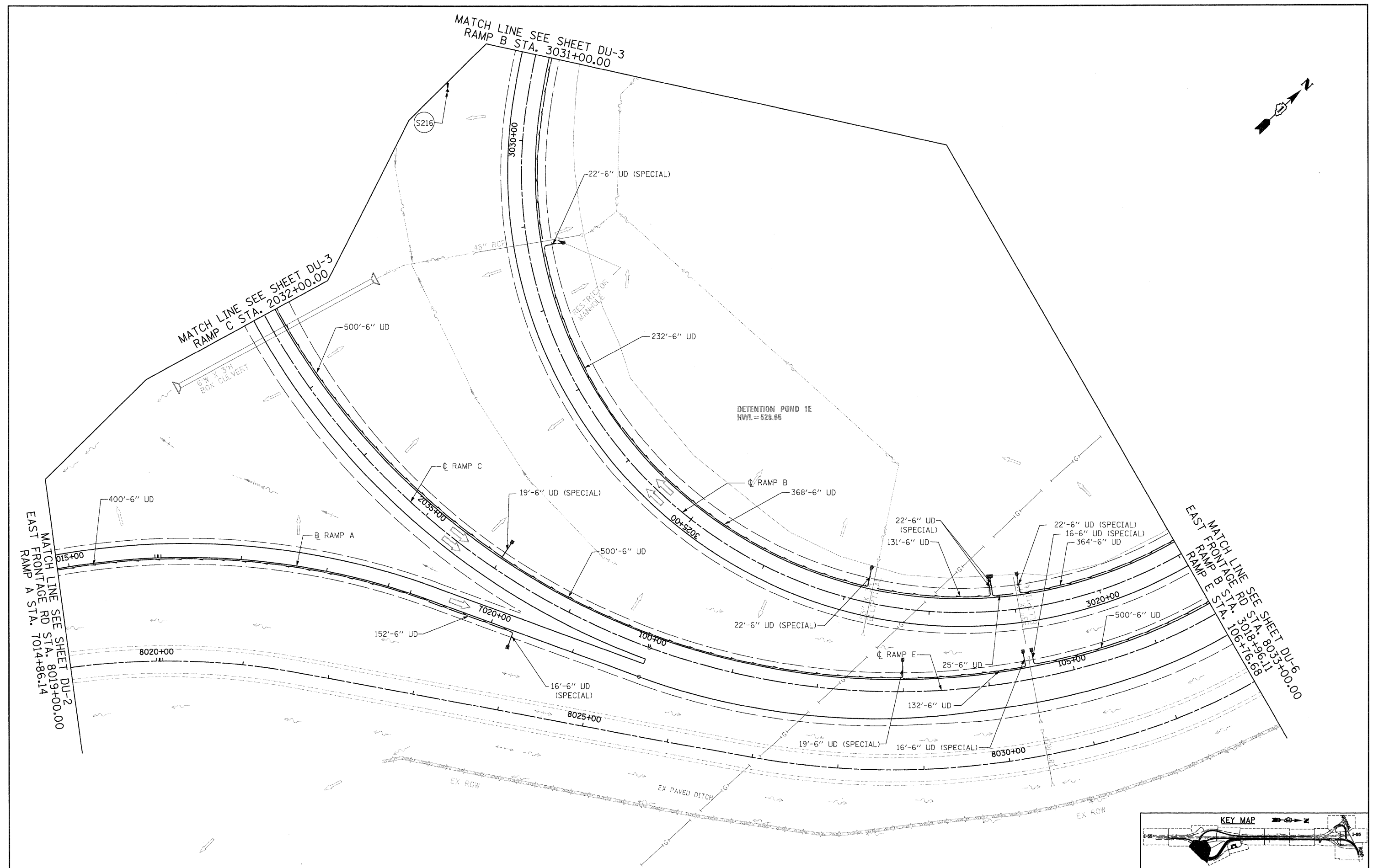
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 3 OF 25 SHEETS STA. TO STA.

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 169 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

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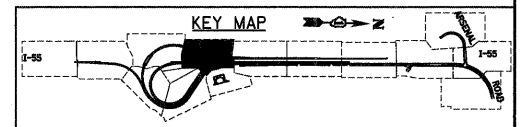
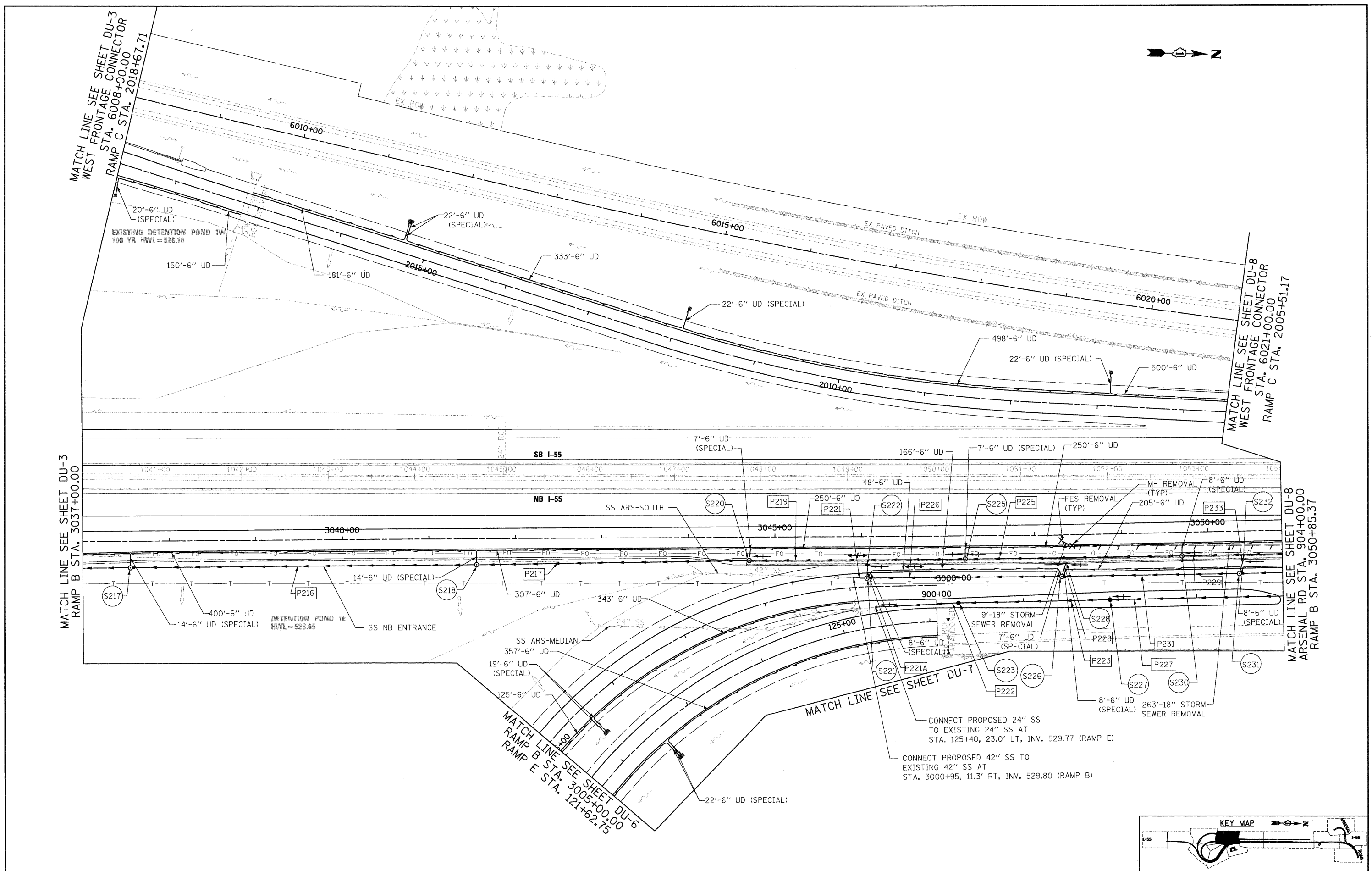
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| PLOT SCALE = 1:50 | CHECKED - CL | REVISOR - | REVISOR - | | SCALE: 1"=50' | SHEET NO. 4 OF 25 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | REVISOR - | REVISOR - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
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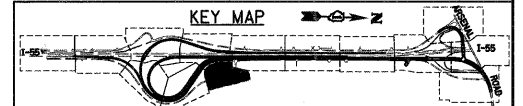
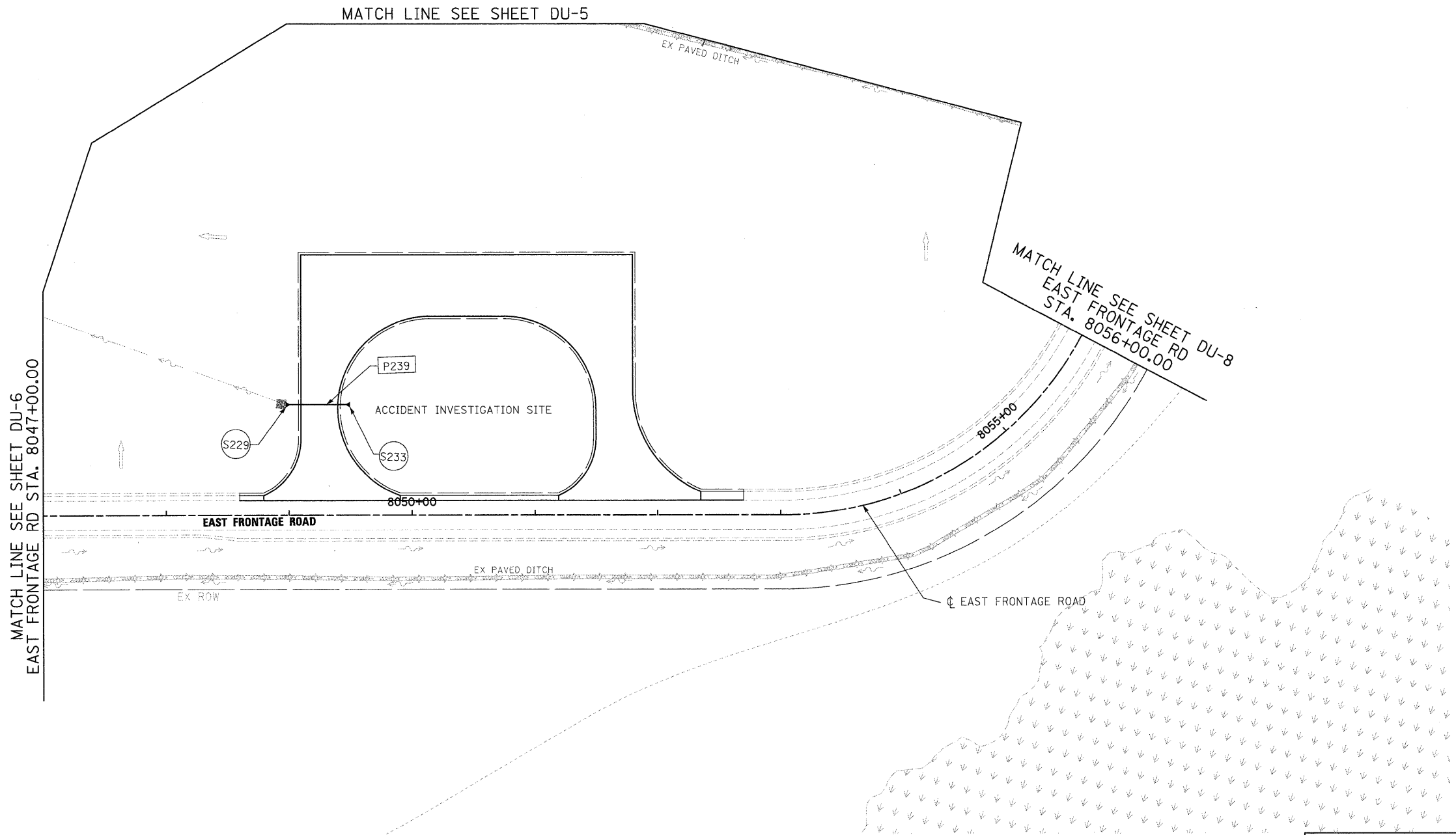
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| D:\B\F12-SHT-DRAIN25.dgn | | DRAWN - VP | REVISED - |
| | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN
 SCALE: 1"=50' SHEET NO. 5 OF 25 SHEETS STA. TO STA.

| | | | | |
|---|-------------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 55 | 99-2HB-2B-1 | WILL | 756 | 171 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |





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| | |
|---------------------------|---------------------|
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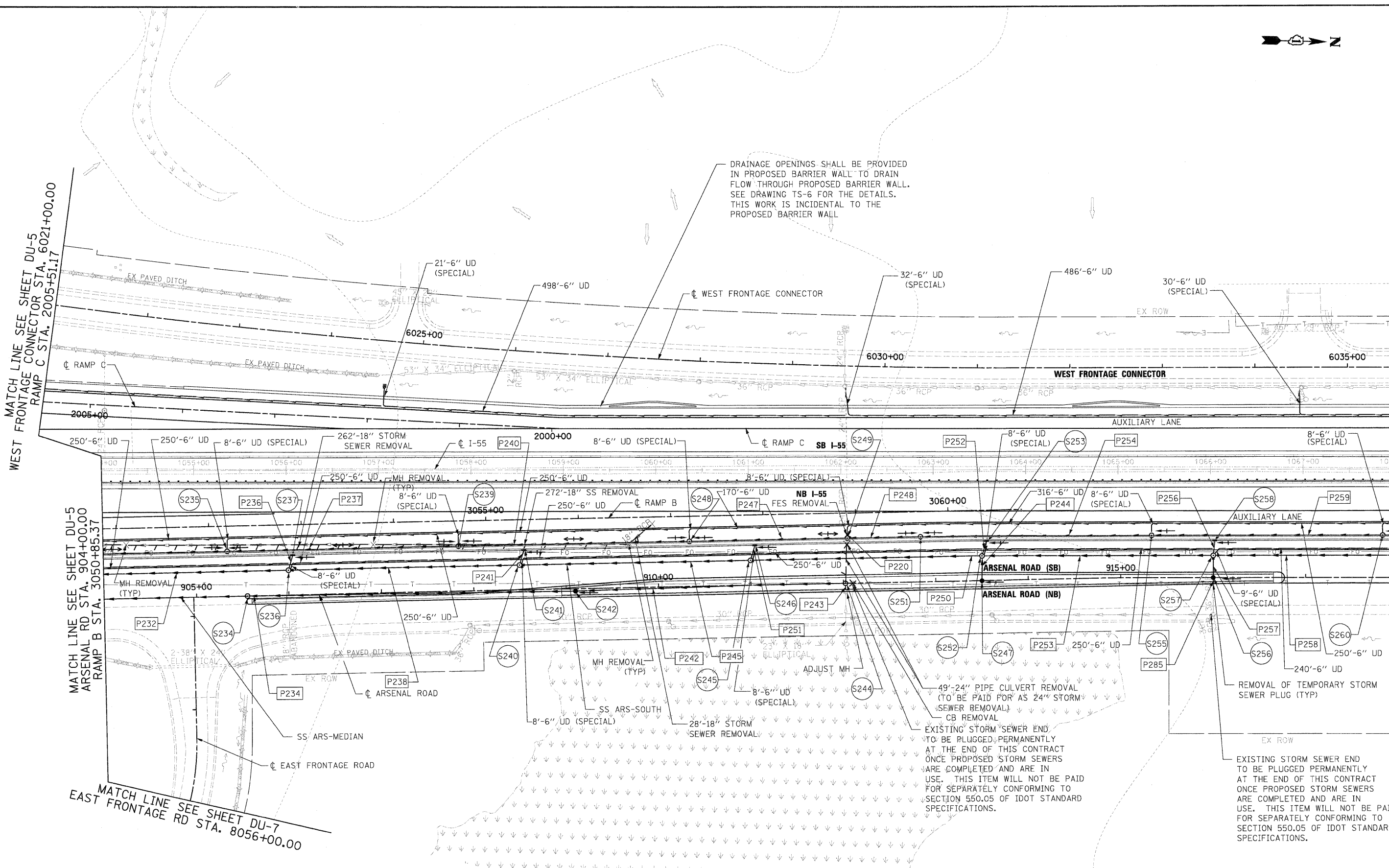
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| PLOT DATE = 2/3/2011 | DRAWN - VP | REVISD - |
| | CHECKED - CL | REVISD - |
| | DATE - 2/4/11 | REVISD - |

| | |
|----------------|----------|
| DESIGNED - PKT | REVISD - |
| DRAWN - VP | REVISD - |
| CHECKED - CL | REVISD - |
| DATE - 2/4/11 | REVISD - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
 SCALE: 1"=50' SHEET NO. 7 OF 25 SHEETS STA. TO STA.

| F.A.I RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 173 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



DRAINAGE OPENINGS SHALL BE PROVIDED IN PROPOSED BARRIER WALL TO DRAIN FLOW THROUGH PROPOSED BARRIER WALL. SEE DRAWING TS-6 FOR THE DETAILS. THIS WORK IS INCIDENTAL TO THE PROPOSED BARRIER WALL

EXISTING STORM SEWER END TO BE PLUGGED PERMANENTLY AT THE END OF THIS CONTRACT ONCE PROPOSED STORM SEWERS ARE COMPLETED AND ARE IN USE. THIS ITEM WILL NOT BE PAID FOR SEPARATELY CONFORMING TO SECTION 550.05 OF IDOT STANDARD SPECIFICATIONS.

EXISTING STORM SEWER END TO BE PLUGGED PERMANENTLY AT THE END OF THIS CONTRACT ONCE PROPOSED STORM SEWERS ARE COMPLETED AND ARE IN USE. THIS ITEM WILL NOT BE PAID FOR SEPARATELY CONFORMING TO SECTION 550.05 OF IDOT STANDARD SPECIFICATIONS.

MATCH LINE SEE SHEET DU-5 WEST FRONTAGE CONNECTOR STA. 6021+00.00 RAMP C STA. 2005+51.17

MATCH LINE SEE SHEET DU-5 ARSENAL RD STA. 904+00.00 RAMP B STA. 3050+85.37

MATCH LINE SEE SHEET DU-7 EAST FRONTAGE RD STA. 8056+00.00

MATCH LINE SEE SHEET DU-9 WEST FRONTAGE CONNECTOR STA. 6035+50.00 RAMP C STA. 1990+89.59

MATCH LINE SEE SHEET DU-9 ARSENAL RD STA. 918+00.00

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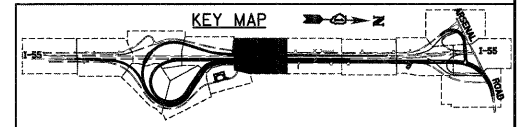
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|----------------------|----------------|-----------|
| USER NAME = TKLuegel | DESIGNED - PKT | REVISED - |
| PLOT SCALE = 1:50 | DRAWN - VP | REVISED - |
| PLOT DATE = 2/3/2011 | CHECKED - CL | REVISED - |
| | DATE - 2/4/11 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

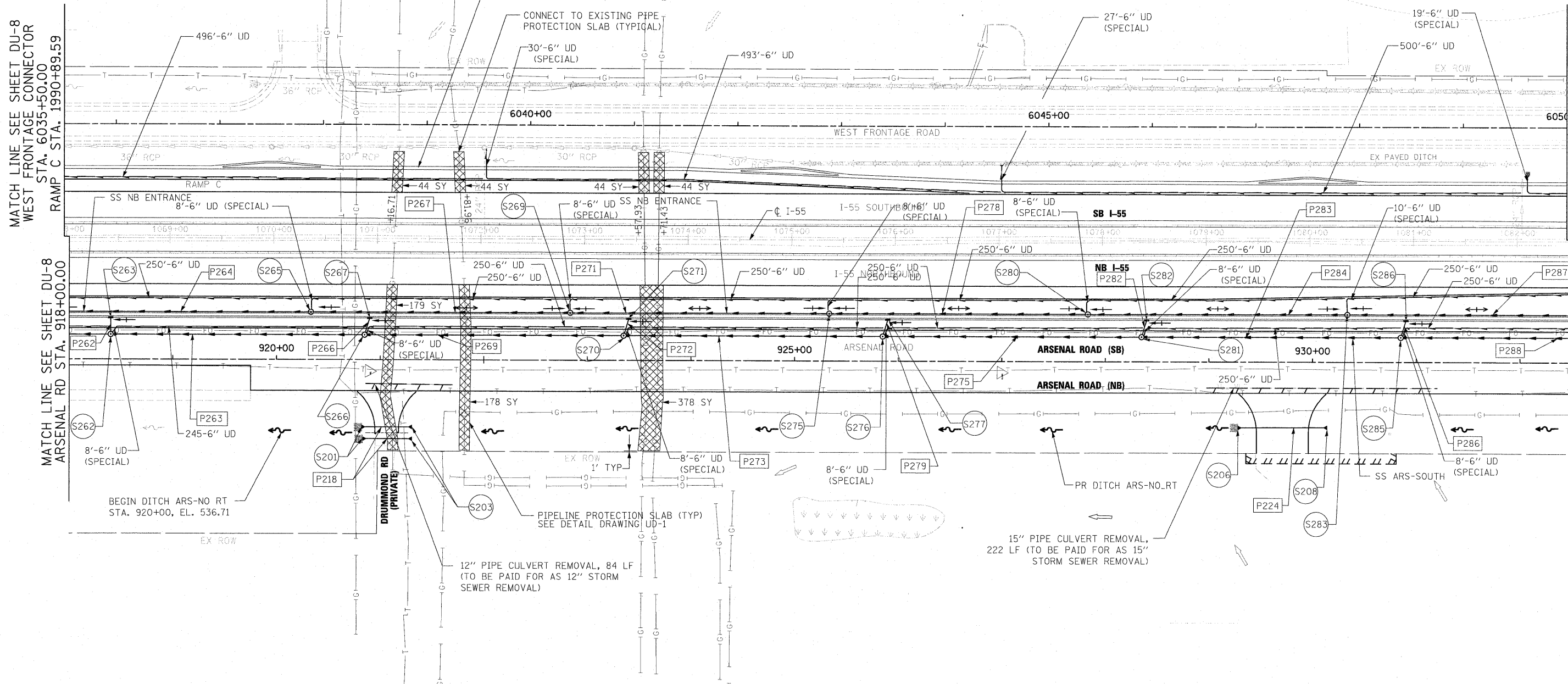
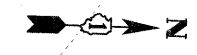
SCALE: 1"=50' SHEET NO. 8 OF 25 SHEETS STA. TO STA.



| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 174 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

NOTES:

1. AT ALL UTILITY PIPELINE CROSSINGS OR AT LOCATIONS DIRECTED BY THE ENGINEER, ALL EARTH EXCAVATION AND ROCK EXCAVATION SHALL BE PERFORMED WITH HAND TOOLS OR OTHER NONDESTRUCTIVE METHODS APPROVED BY THE ENGINEER OR THE PIPELINE OWNER AS OUTLINED IN THE SPECIAL PROVISION, EXISTING PIPELINE COMPANIES REQUIREMENTS.
2. CONSTRUCTION EQUIPMENT, INCLUDING PICK-UP TRUCKS, WILL NOT BE ALLOWED TO TRAVEL ABOVE ANY PIPELINE UNTIL APPROVAL IS RECEIVED FROM THE PIPELINE OWNER.
3. IN THE VICINITY OF ANY UTILITY CROSSINGS, DETERMINING THE LOCATION OF THE UTILITY SHALL BE PAID FOR AS "EXPLORATION TRENCH, SPECIAL" TO AN ELEVATION AS DIRECTED BY THE ENGINEER.



DRAINAGE OPENINGS SHALL BE PROVIDED IN PROPOSED BARRIER WALL TO DRAIN FLOW THROUGH PROPOSED BARRIER WALL. SEE DRAWING TS-8 FOR THE DETAILS. THIS WORK IS INCIDENTAL TO THE PROPOSED BARRIER WALL.

CONNECT TO EXISTING PIPE PROTECTION SLAB (TYPICAL)

PIPELINE PROTECTION SLAB (TYP) SEE DETAIL DRAWING UD-1

12" PIPE CULVERT REMOVAL, 84 LF (TO BE PAID FOR AS 12" STORM SEWER REMOVAL)

15" PIPE CULVERT REMOVAL, 222 LF (TO BE PAID FOR AS 15" STORM SEWER REMOVAL)

MATCH LINE SEE SHEET DU-8 WEST FRONTAGE CONNECTOR WEST STA. 6035+50.00 RAMP C STA. 1990+89.59

MATCH LINE SEE SHEET DU-10 WEST FRONTAGE CONNECTOR WEST STA. 6050+00.00

MATCH LINE SEE SHEET DU-8 ARSENAL RD STA. 918+00.00

MATCH LINE SEE SHEET DU-10 ARSENAL RD STA. 932+50.00

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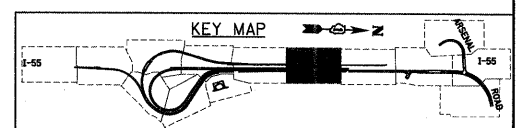
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| | | DRAWN - VP | REVISED - |
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| | | DATE - 2/4/11 | REVISED - |

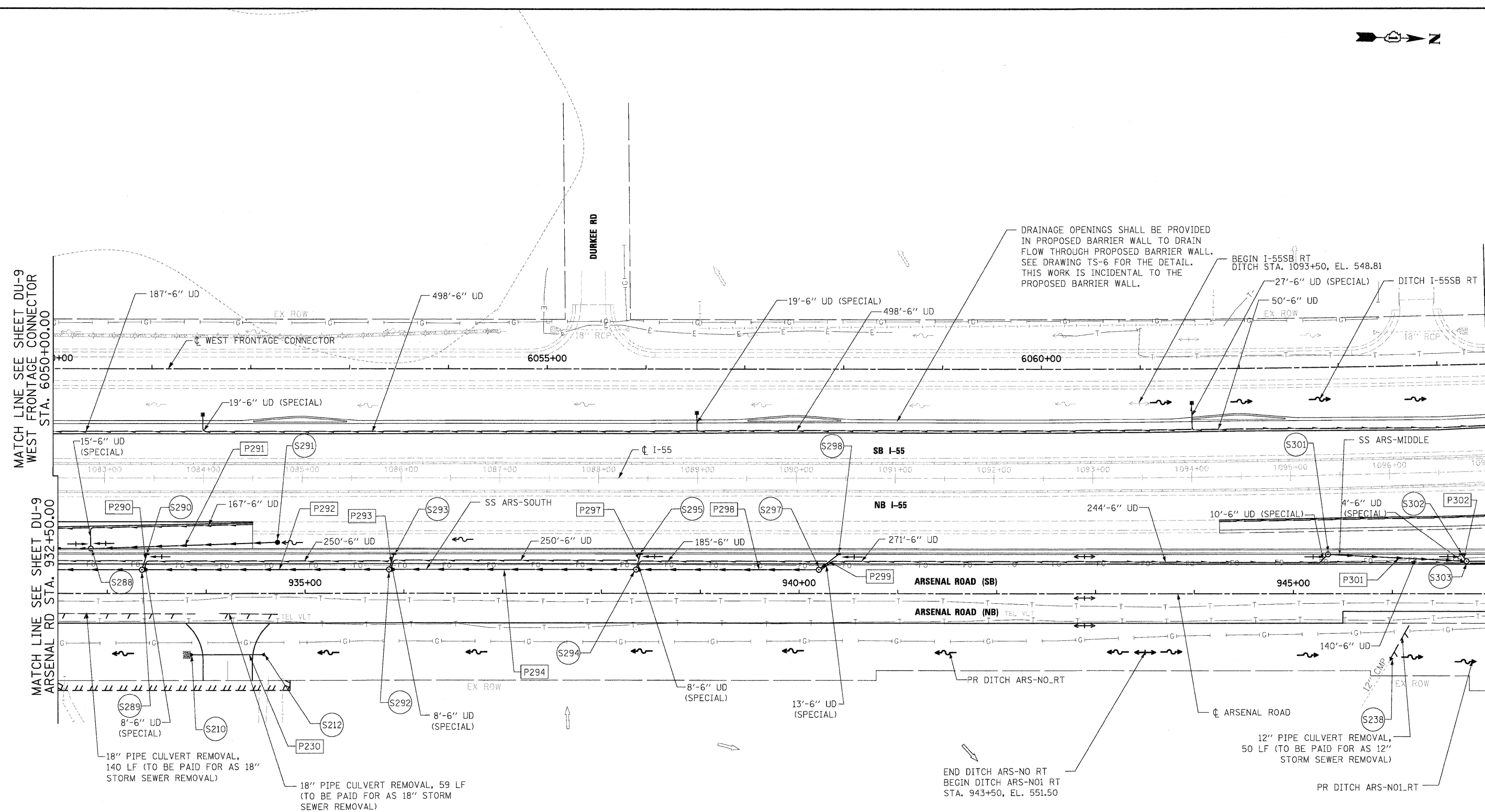
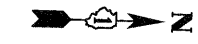
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET NO. 9 OF 25 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 175 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |





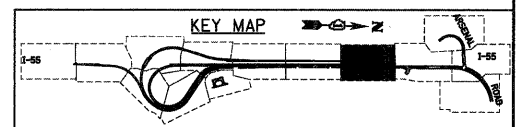
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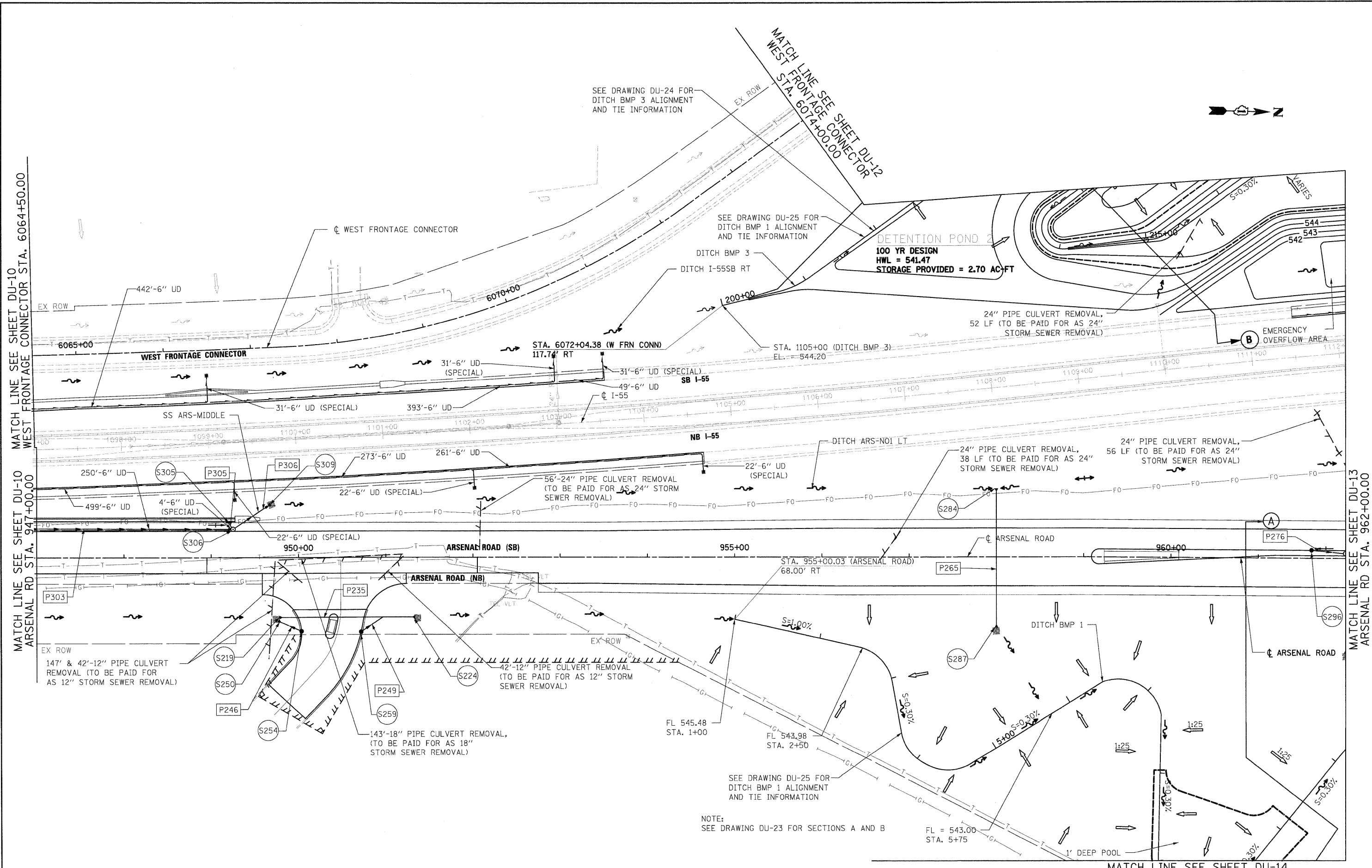
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| | | DRAWN - VP | REVISED - |
| | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
 SCALE: 1"=50' SHEET NO. 10 OF 25 SHEETS STA. TO STA.

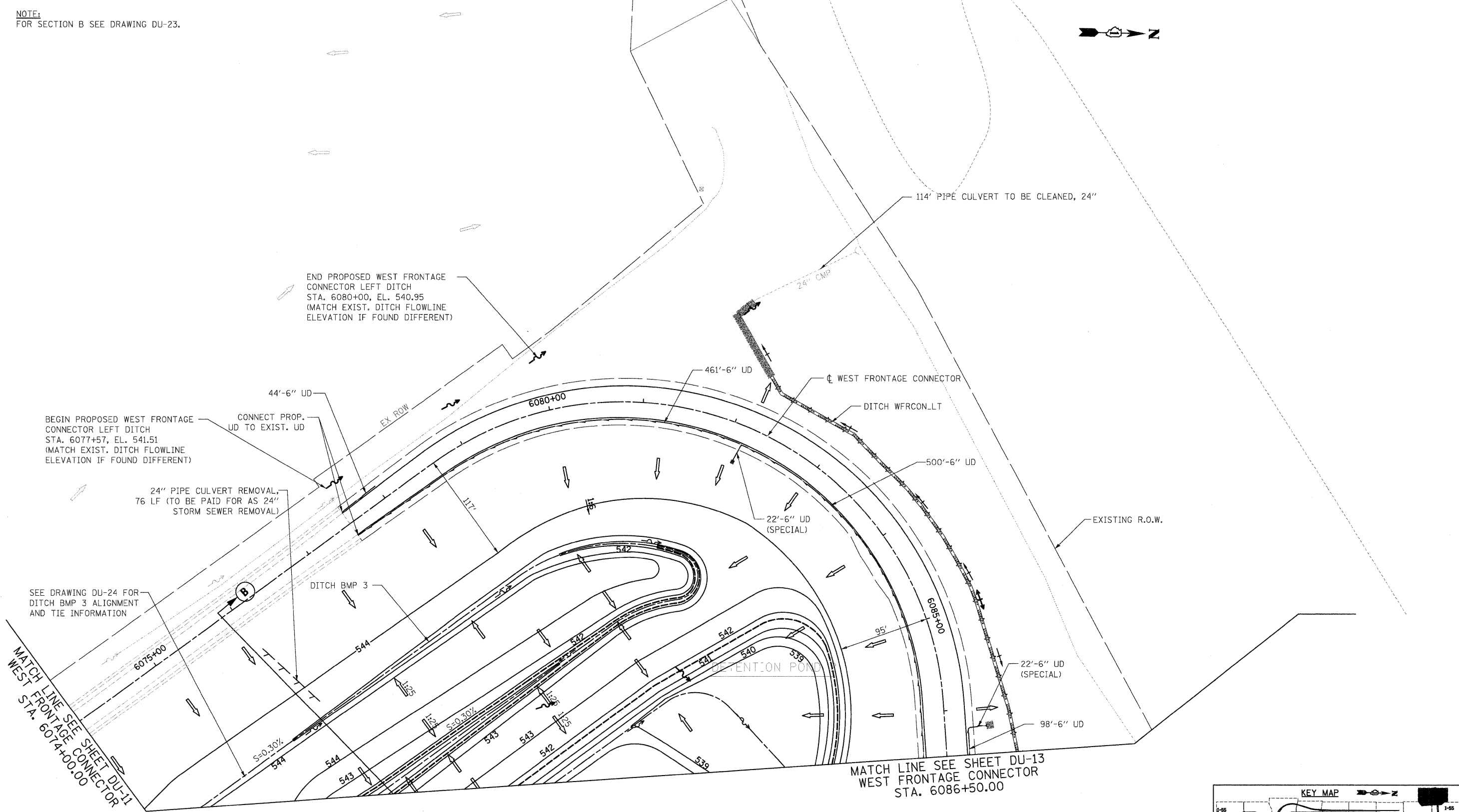
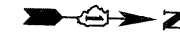
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| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 176 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



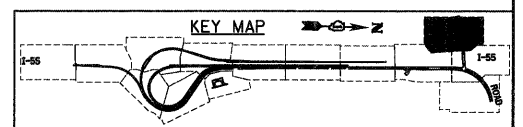


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| PLOT SCALE = 1:50 | | DRAWN - VP | REVISED - | | SCALE: 1"=50' | | SHEET NO. 11 OF 25 SHEETS | | CONTRACT NO. 60F12 | | |
| PLOT DATE = 2/3/2011 | | CHECKED - CL | REVISED - | | STA. TO STA. | | FED. ROAD DIST. NO. 1 | | ILLINOIS FED. AID PROJECT | | |
| DATE = 2/4/11 | | DATE = 2/4/11 | REVISED - | | | | | | | | |

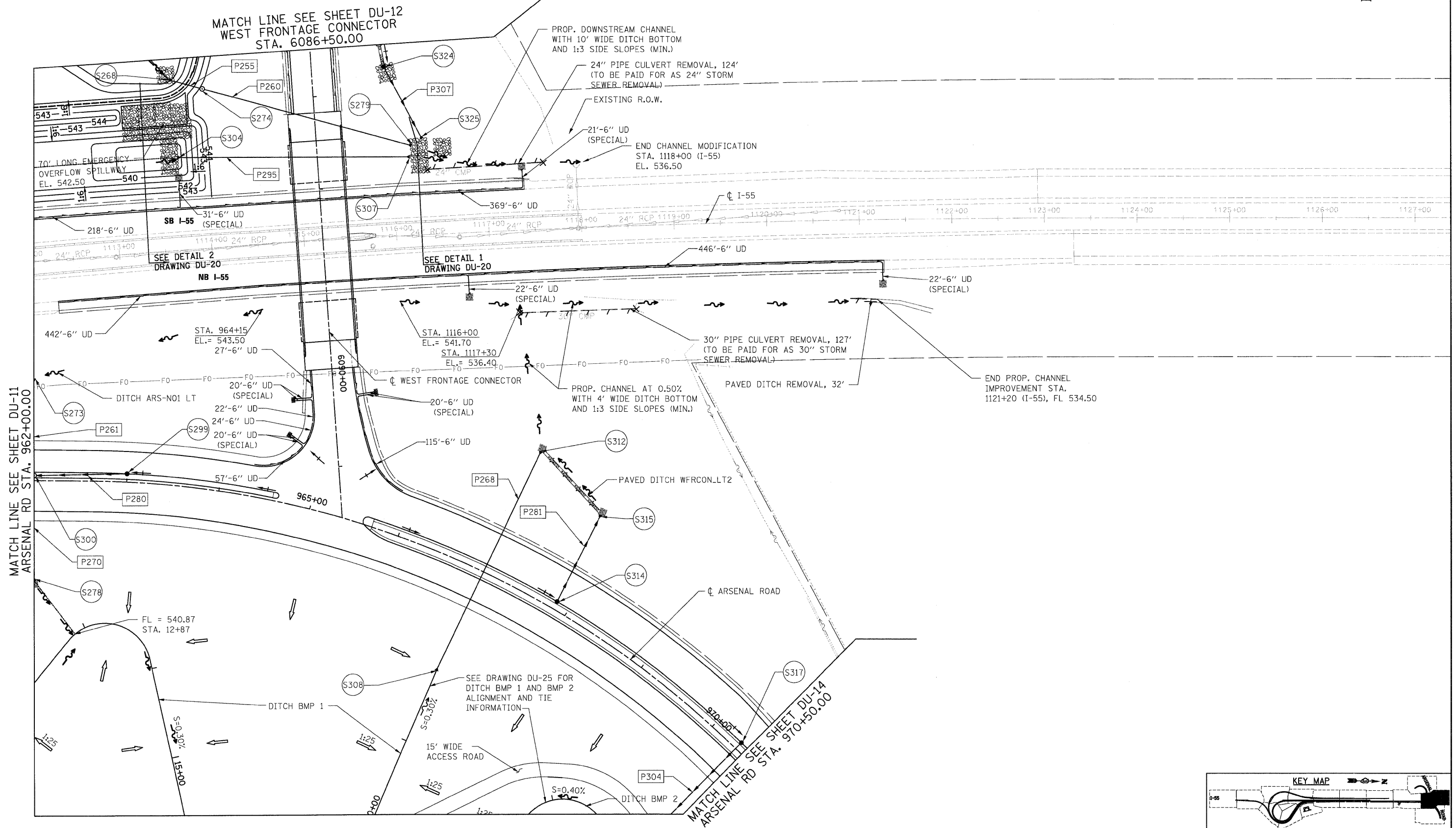
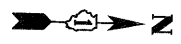
NOTE:
FOR SECTION B SEE DRAWING DU-23.



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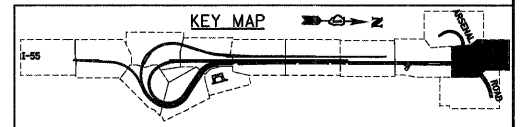
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| | PLOT SCALE = 1:50 | DRAWN - VP | REVISED - | | SCALE: 1"=50' | SHEET NO. 12 OF 25 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| | PLOT DATE = 2/3/2011 | CHECKED - CL | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | | DATE = 2/4/11 | REVISED - | | | | | | | | | |



MATCH LINE SEE SHEET DU-12
WEST FRONTAGE CONNECTOR
STA. 6086+50.00

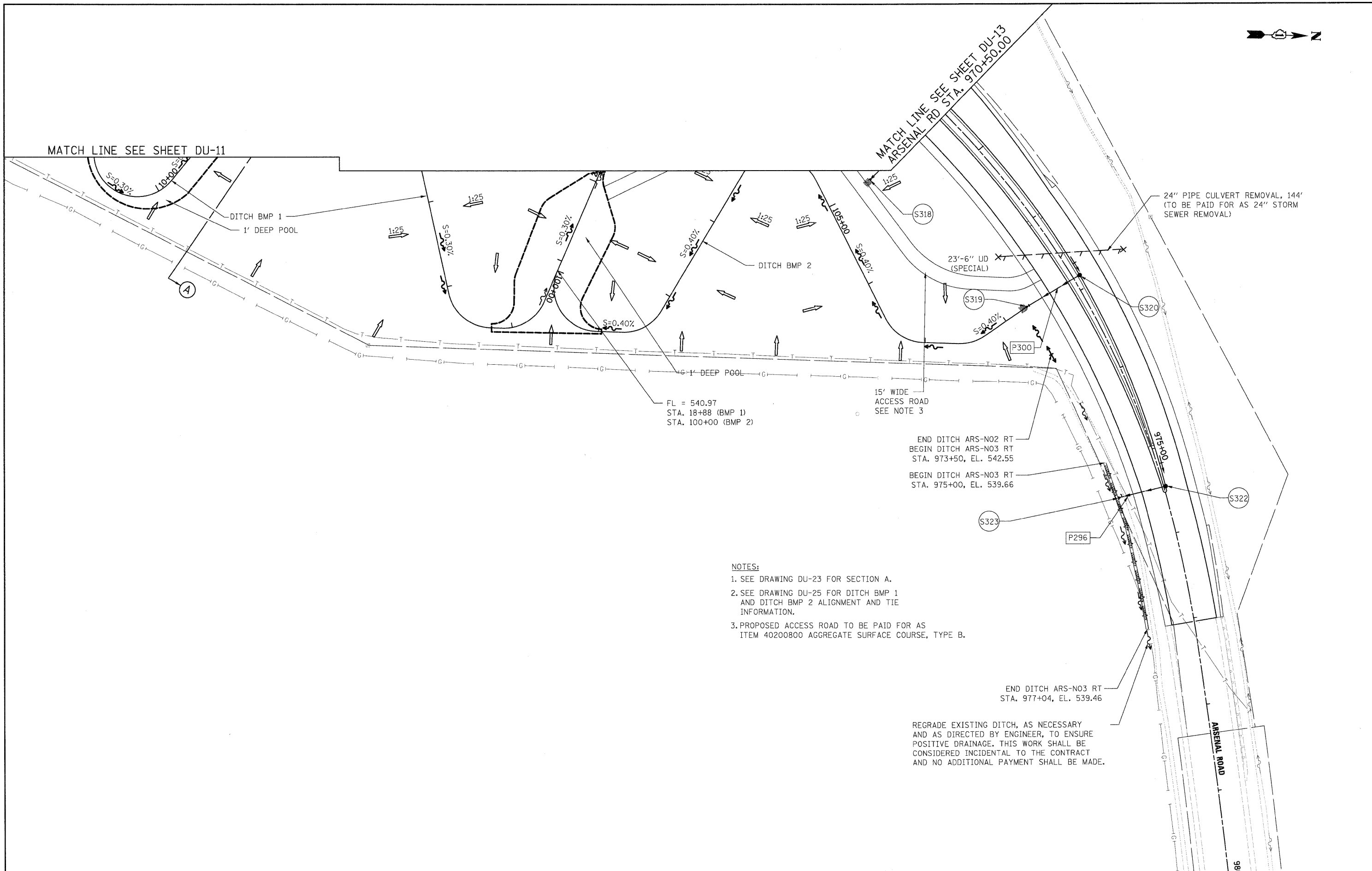
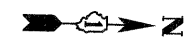
MATCH LINE SEE SHEET DU-11
ARSENAL RD STA. 962+00.00

MATCH LINE SEE SHEET DU-14
ARSENAL RD STA. 970+50.00



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| | | | | | | | | | | |
|--|----------------------|----------------|-----------|---|----------------------------------|--|------------------------|----------------|------------------------|---------------------|
| FILE NAME - D162F12-SHT-DRAIN13.dgn | USER NAME = TKluegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE AND UTILITY PLAN | F.A.I RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 179 |
| PLOT SCALE = 1:50 | CHECKED - CL | REVISOR - | REVISOR - | | | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | REVISOR - | REVISOR - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
| | | | | | | SCALE: 1"=50' SHEET NO. 13 OF 25 SHEETS STA. TO STA. | | | | |



24" PIPE CULVERT REMOVAL, 144'
(TO BE PAID FOR AS 24" STORM
SEWER REMOVAL)

MATCH LINE SEE SHEET DU-13
ARSENAL RD STA. 970+50.00

MATCH LINE SEE SHEET DU-11

DITCH BMP 1
1' DEEP POOL

DITCH BMP 2

23'-6" UD
(SPECIAL)

FL = 540.97
STA. 18+88 (BMP 1)
STA. 100+00 (BMP 2)

15' WIDE
ACCESS ROAD
SEE NOTE 3

END DITCH ARS-N02 RT
BEGIN DITCH ARS-N03 RT
STA. 973+50, EL. 542.55
BEGIN DITCH ARS-N03 RT
STA. 975+00, EL. 539.66

END DITCH ARS-N03 RT
STA. 977+04, EL. 539.46

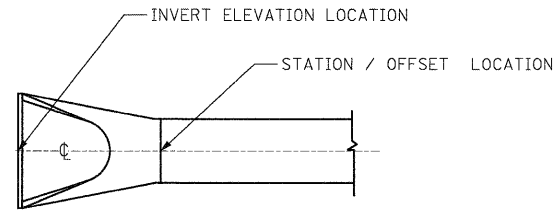
REGRADE EXISTING DITCH, AS NECESSARY
AND AS DIRECTED BY ENGINEER, TO ENSURE
POSITIVE DRAINAGE. THIS WORK SHALL BE
CONSIDERED INCIDENTAL TO THE CONTRACT
AND NO ADDITIONAL PAYMENT SHALL BE MADE.

- NOTES:**
1. SEE DRAWING DU-23 FOR SECTION A.
 2. SEE DRAWING DU-25 FOR DITCH BMP 1 AND DITCH BMP 2 ALIGNMENT AND TIE INFORMATION.
 3. PROPOSED ACCESS ROAD TO BE PAID FOR AS ITEM 40200800 AGGREGATE SURFACE COURSE, TYPE B.

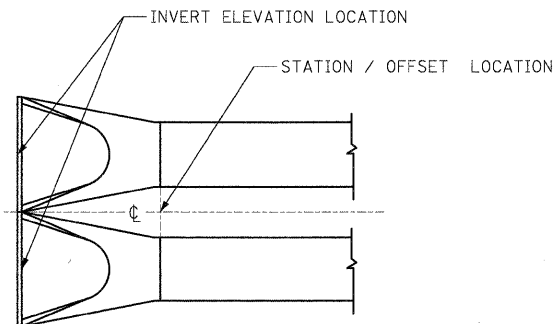
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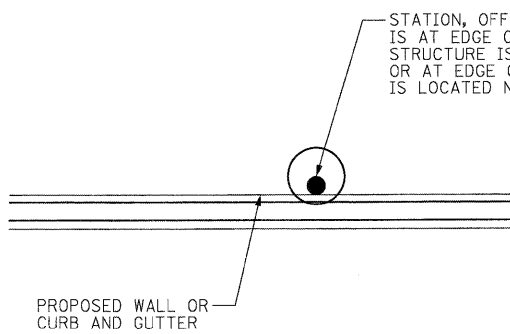
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| FILE NAME = D160F12-SHT-DRAIN14.dgn | USER NAME = TK1uegal | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE AND UTILITY PLAN | | | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 180 |
| PLOT SCALE = 1/8"=1' | CHECKED - CL | DATE 2/4/11 | REVISED - | | SCALE: 1"=50' | SHEET NO. 14 OF 25 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |
| | | | | | | | | | | | | |



CULVERT FLARED END SECTION
NOT TO SCALE

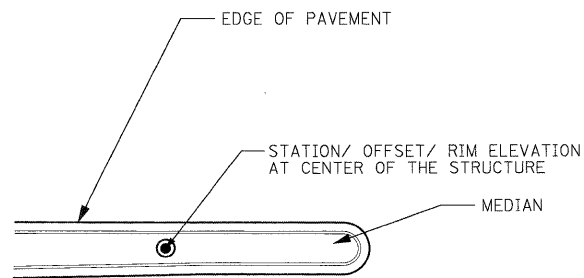


DOUBLE CULVERT FLARED END SECTIONS
NOT TO SCALE



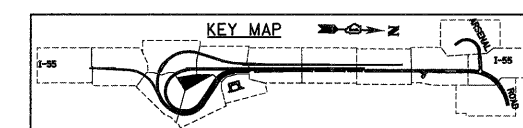
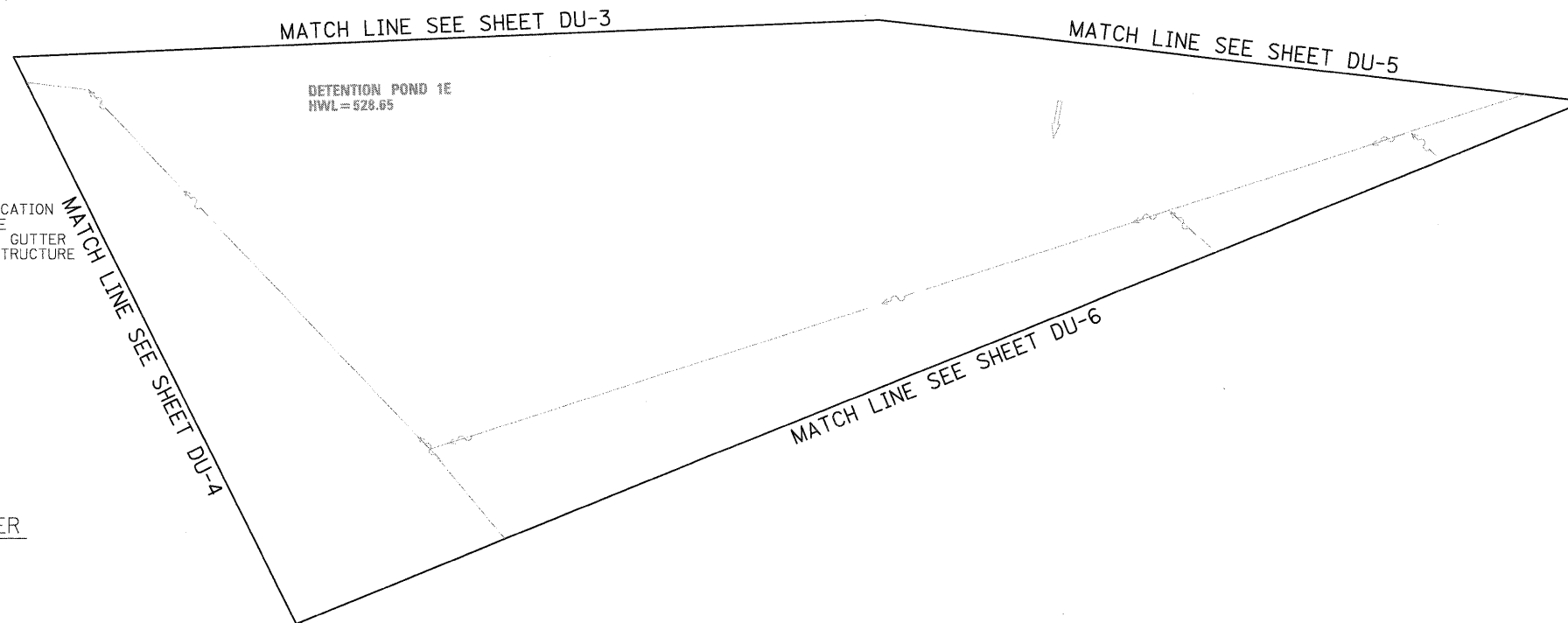
STATION, OFFSET AND RIM ELEVATION LOCATION IS AT EDGE OF PAVEMENT WHEN DRAINAGE STRUCTURE IS LOCATED ALONG CURB AND GUTTER OR AT EDGE OF WALL WHEN DRAINAGE STRUCTURE IS LOCATED NEXT TO THE WALL.

DRAINAGE STRUCTURE ALONG WALL OR CURB AND GUTTER
NOT TO SCALE



DRAINAGE STRUCTURE IN MEDIAN OR DITCH
NOT TO SCALE

DRAINAGE STRUCTURE LOCATION DETAILS



SINGH
 300 W. ADAMS ST.
 CHICAGO, IL 60606
 SINGH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 TEL: (312) 629-0240
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| | | | |
|--|----------------------|----------------|-----------|
| FILE NAME = D:\62\F12-SHT-DRAIN15.dgn | USER NAME = TKluogel | DESIGNED - PKT | REVISED - |
| | | DRAWN - VP | REVISED - |
| | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |
| | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN
AND DRAINAGE STRUCTURE DETAILS

SCALE: 1"=50' SHEET NO. 15 OF 25 SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 181 |
| CONTRACT NO. 60F12 | | | | |

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DRAINAGE STRUCTURE INFORMATION TABLE

| STRUCT. NO. | DRAWING NUMBER | ROAD NAME | STATION | OFFSET (FT) | TYPE OF STRUCTURE | FRAME AND GRATE | RIME ELEV. | INVERT ELEVATIONS | | | |
|-------------|----------------------------|-------------------|-----------|-------------|------------------------------|-----------------|------------|-------------------|--------|--------|--------|
| | | | | | | | | NORTH | SOUTH | EAST | WEST |
| S 200 | DU-1 | RAMP A | 7000+55. | 8.00 | MH TYPE A, 5' DIA | TY 20 F & G | 523.36 | 519.00 | - | 518.80 | - |
| S 201 | DU-9 | ARSENAL RD | 920+88. | 70.50 | 2-PRC FES 30" | - | - | 536.95 | - | - | - |
| S 202 | DU-1 | RAMP A | 7000+55. | 21.00 | PRC FES 24" | - | - | - | - | - | 518.70 |
| S 203 | DU-9 | ARSENAL RD | 921+25. | 70.50 | 2-PRC FES 30" | - | - | - | 537.11 | - | - |
| S 204 | DU-2 | RAMP A | 7002+45. | 8.00 | MH TYPE A, 4' DIA | TY 20 F & G | 523.44 | 519.40 | 519.40 | - | - |
| S 205 | DU-2 | RAMP A | 7003+45. | 8.00 | MH TYPE A, 4' DIA | TY 20 F & G | 523.54 | 519.70 | 519.61 | - | - |
| S 206 | DU-9 | ARSENAL RD | 929+39. | 64.00 | PRC FES EQRS 27" (34" X 22") | - | - | 539.82 | - | - | - |
| S 207 | DU-2 | RAMP A | 7004+45. | 8.00 | MH TYPE A, 4' DIA | TY 20 F & G | 523.68 | 519.95 | 519.95 | - | - |
| S 208 | DU-9 | ARSENAL RD | 930+00. | 64.00 | PRC FES EQRS 27" (34" X 22") | - | - | - | 540.18 | - | - |
| S 209 | DU-2 | RAMP A | 7005+65. | 8.00 | MH TYPE A, 4' DIA | TY 20 F & G | 524.04 | 520.50 | 520.25 | - | - |
| S 210 | DU-10 | ARSENAL RD | 933+90. | 62.00 | PRC FES EQRS 27" (34" X 22") | - | - | 542.07 | - | - | - |
| S 211 | DU-2 | RAMP A | 7008+20. | -26.70 | CB TYPE A, 4' DIA. | TY 8 GRATE | 524.65 | - | - | 522.15 | - |
| S 212 | DU-10 | ARSENAL RD | 934+53. | 62.00 | PRC FES EQRS 27" (34" X 22") | - | - | - | 542.45 | - | - |
| S 213 | DU-2 | RAMP A | 7008+20. | 8.00 | MH TYPE A, 4' DIA | TY 20 F & G | 525.81 | - | 522.00 | - | 522.00 |
| S 214 | DU-3 | RAMP B | 3031+12. | -110.00 | MH TYPE A, 6' DIA | TY 1F CL | 532.00 | 525.57 | - | 525.57 | - |
| S 215 | DU-3 | RAMP B | 3034+50. | 22.00 | MH TYPE A, 6' DIA | TY 1F CL | 529.96 | 525.94 | 525.94 | - | - |
| S 216 | DU-4 | RAMP B | 3030+42. | -93.00 | PRC FES EQRS 42" (53" X 34") | - | - | - | - | - | 525.48 |
| S 217 | DU-5 | RAMP B/NB I-55 | 3037+55. | 30.50 | MH TYPE A, 6' DIA | TY 1F CL | 531.20 | 526.24 | 526.24 | - | - |
| S 218 | DU-5 | RAMP B/NB I-55 | 3041+55. | 30.00 | MH TYPE A, 6' DIA | TY 1F CL | 531.95 | 526.64 | 526.64 | - | - |
| S 219 | DU-11 | ARSENAL RD | 949+84. | 65.00 | PRC FES EQRS 27" (34" X 22") | - | - | 548.21 | - | - | - |
| S 220 | DU-5 | RAMP B/NB I-55 | 3044+70. | 27.06 | MH TYPE A, 6' DIA | TY 20 F & G | 532.93 | 526.95 | 526.95 | - | - |
| S 221 | DU-5 | RAMP B | 3000+80. | 10.00 | MH TYPE A, 5' DIA | TY 1F CL | 537.49 | 529.92 | 529.83 | - | 532.85 |
| S 222 | DU-5 | RAMP B | 3000+79. | 25.28 | INLET TYPE A | TY 20 F & G | 537.19 | - | - | 533.00 | - |
| S 223 | DU-5 | ARSENAL RD | 900+25. | 0.00 | CB TYPE A, 5' DIA | TY 1F OL | 537.41 | 529.94 | 529.94 | - | - |
| S 224 | DU-11 | ARSENAL RD | 951+30. | 65.00 | PRC FES EQRS 27" (34" X 22") | - | - | - | 547.40 | - | - |
| S 225 | DU-5 | RAMP B/NB I-55 | 3047+20. | 27.06 | MH TYPE A, 5' DIA | TY 20 F & G | 533.04 | 527.20 | 527.20 | - | - |
| S 226 | DU-5 | ARSENAL RD | 901+45. | -28.10 | MH TYPE A, 5' DIA | TY 1F CL | 536.79 | 530.47 | 530.37 | - | 532.40 |
| S 227 | DU-5 | ARSENAL RD | 902+00. | 0.00 | CB TYPE A, 5' DIA | TY 1F OL | 537.94 | 530.23 | 530.23 | - | - |
| S 228 | DU-5 | ARSENAL RD | 901+50. | -43.02 | INLET TYPE A | TY 24 F & G | 536.49 | - | - | 532.50 | - |
| S 229 | DU-7 | E. FRONTAGE RD. | 8049+00. | -90.00 | PRC FES 15" | - | - | 532.80 | - | - | - |
| S 230 | DU-5 | RAMP B/NB I-55 | 3049+70. | 27.25 | MH TYPE A, 5' DIA | TY 20 F & G | 533.92 | 527.55 | 527.45 | - | - |
| S 231 | DU-5 | ARSENAL RD | 903+50. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 538.68 | 530.97 | 530.87 | - | 533.10 |
| S 232 | DU-5 | ARSENAL RD | 903+55. | -42.97 | INLET TYPE A | TY 24 F & G | 537.18 | - | - | 533.25 | - |
| S 233 | DU-7 | E. FRONTAGE RD. | 8049+46. | -90.00 | PRC FES 15" | - | - | - | 533.27 | - | - |
| S 234 | DU-8 | ARSENAL RD | 905+55. | 0.00 | MH TYPE A, 5' DIA | TY 1F OL | 538.75 | 530.83 | 530.83 | - | - |
| S 235 | DU-8 | RAMP B/NB I-55 | 3052+20. | 27.25 | MH TYPE A, 5' DIA | TY 20 F & G | 534.16 | 528.00 | 527.87 | - | - |
| S 236 | DU-8 | ARSENAL RD | 906+00. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 538.43 | 531.56 | 531.46 | - | 533.75 |
| S 237 | DU-8 | ARSENAL RD | 906+05. | -43.00 | INLET TYPE A | TY 24 F & G | 537.92 | - | - | 533.90 | - |
| S 238 | DU-10 | ARSENAL RD | 945+98 | 65.00 | PRC FES 12" | - | - | - | - | - | 551.86 |
| S 239 | DU-8 | RAMP B/NB I-55 | 3054+70. | 27.25 | MH TYPE A, 5' DIA | TY 20 F & G | 534.52 | 528.40 | 528.32 | - | - |
| S 240 | DU-8 | ARSENAL RD | 908+50. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 539.18 | 532.15 | 532.05 | - | 534.60 |
| S 241 | DU-8 | ARSENAL RD | 908+55. | -43.00 | INLET TYPE A | TY 24 F & G | 538.74 | - | - | 534.75 | - |
| S 242 | DU-8 | ARSENAL RD | 909+10. | 2.60 | CB TYPE A, 5' DIA. | TY 1F OL | 540.12 | 531.43 | 531.43 | - | - |
| S 243 | STRUCTURE NUMBER NOT USED. | | | | | | | | | | |
| S 244 | DU-8 | ARSENAL RD | 912+02. | 0.00 | MH TYPE A, 5' DIA. | TY 1F OL | 540.88 | - | 531.92 | 531.95 | - |
| S 245 | DU-8 | ARSENAL RD | 911+00. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 539.93 | 533.14 | 532.64 | - | 535.25 |
| S 246 | DU-8 | ARSENAL RD | 911+05. | -43.00 | INLET TYPE A | TY 24 F & G | 539.43 | - | - | 535.40 | - |
| S 247 | DU-8 | ARSENAL RD | 913+50. | 0.00 | CB TYPE A, 4' DIA. | TY 1F OL | 541.33 | - | - | - | 536.25 |
| S 248 | DU-8 | RAMP B/NB I-55 | 3057+20. | 27.25 | MH TYPE A, 5' DIA | TY 20 F & G | 534.58 | 529.20 | 528.72 | - | - |
| S 249 | DU-8 | RAMP B/NB I-55 | 3058+90. | 27.25 | MH TYPE A, 5' DIA | TY 1F CL | 535.25 | 529.50 | 529.42 | - | 531.35 |
| S 250 | DU-11 | ARSENAL RD | 949+82. | 72.00 | PRC FES 12" | - | - | 548.21 | - | - | - |
| S 251 | DU-8 | RAMP B/NB I-55 | 3059+70. | 27.25 | MH TYPE A, 5' DIA | TY 20 F & G | 534.97 | 530.25 | 529.70 | - | - |
| S 252 | DU-8 | ARSENAL RD | 913+50. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 540.68 | 533.73 | 533.63 | 536.00 | 536.05 |
| S 253 | DU-8 | ARSENAL RD | 913+55. | -43.00 | INLET TYPE A | TY 24 F & G | 540.17 | - | - | 536.20 | - |
| S 254 | DU-11 | ARSENAL RD | 950+03. | 81.20 | CB TYPE A, 4' DIA. | TY 11 F & G | 551.32 | - | 548.32 | - | - |
| S 255 | DU-8 | NB I-55 | 1065+36. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 536.74 | 531.80 | 530.85 | - | - |
| S 256 | DU-8 | ARSENAL RD | 916+00. | 0.00 | CB TYPE A, 5' DIA. | TY 1F OL | 542.12 | - | - | 535.18 | 535.05 |
| S 257 | DU-8 | ARSENAL RD | 916+00. | -27.00 | MH TYPE A, 6' DIA | TY 1F CL | 541.43 | 535.40 | 534.22 | 534.95 | 536.60 |
| S 258 | DU-8 | ARSENAL RD | 916+01. | -43.00 | INLET TYPE A | TY 24 F & G | 540.91 | - | - | 536.75 | - |
| S 259 | DU-11 | ARSENAL RD | 950+71.64 | 82.00 | CB TYPE A, 4' DIA. | TY 11 F & G | 551.00 | 547.70 | - | - | - |
| S 260 | DU-8 | NB I-55 | 1067+86. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 538.95 | 534.00 | 532.40 | - | - |
| S 261 | STRUCTURE NUMBER NOT USED | | | | | | | | | | |
| S 262 | DU-9 | ARSENAL RD | 918+40. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 542.15 | 535.97 | 535.87 | - | 537.35 |
| S 263 | DU-9 | ARSENAL RD | 918+40. | -43.00 | INLET TYPE A | TY 24 F & G | 541.63 | - | - | 537.50 | - |
| S 264 | STRUCTURE NUMBER NOT USED. | | | | | | | | | | |
| S 265 | DU-9 | NB I-55 | 1070+36. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 540.55 | 534.80 | 534.60 | - | - |
| S 266 | DU-9 | ARSENAL RD | 920+85. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 542.89 | 536.55 | 536.45 | - | 538.35 |
| S 267 | DU-9 | ARSENAL RD | 920+90. | -43.00 | INLET TYPE A | TY 24 F & G | 542.38 | - | - | 538.50 | - |
| S 268 | DU-13 | W. FRONTAGE CONN. | 6086+74. | 146.50 | PRC FES EQRS 54" (68" X 43") | - | - | - | 538.30 | - | - |
| S 269 | DU-9 | NB I-55 | 1072+86. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 540.91 | 535.30 | 535.30 | - | - |
| S 270 | DU-9 | ARSENAL RD | 923+35. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 543.64 | 537.42 | 537.04 | - | 538.85 |
| S 271 | DU-9 | ARSENAL RD | 923+40. | -43.00 | INLET TYPE A | TY 24 F & G | 543.13 | - | - | 539.00 | - |
| S 272 | STRUCTURE NUMBER NOT USED. | | | | | | | | | | |

DRAINAGE STRUCTURE INFORMATION TABLE

| STRUCT. NO. | DRAWING NUMBER | ROAD NAME | STATION | OFFSET (FT) | TYPE OF STRUCTURE | FRAME AND GRATE | RIME ELEV. | INVERT ELEVATIONS | | | |
|-------------|----------------|-------------------|----------|-------------|-------------------------------|-----------------|------------|-------------------|--------|--------|--------|
| | | | | | | | | NORTH | SOUTH | EAST | WEST |
| S 273 | DU-13 | ARSENAL RD | 962+00. | -106.00 | PRC FES 24" | - | - | - | - | 542.73 | - |
| S 274 | DU-13 | W. FRONTAGE CONN. | 6086+83. | 119.00 | MH TYPE A, 7' DIA. W/H RESTR. | 2-TY 1F CL | 544.50 | 538.00 | 538.22 | - | - |
| S 275 | DU-9 | NB I-55 | 1075+36. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 541.29 | 535.80 | 535.80 | - | - |
| S 276 | DU-9 | ARSENAL RD | 925+85. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 544.39 | 538.25 | 538.15 | - | 540.25 |
| S 277 | DU-9 | ARSENAL RD | 925+90. | -43.00 | INLET TYPE A | TY 24 F & G | 543.88 | - | - | 540.35 | - |
| S 278 | DU-13 | ARSENAL RD | 962+00. | 104.00 | PRC FES 24" | - | - | - | - | - | 542.23 |
| S 279 | DU-13 | W. FRONTAGE CONN. | 6087+57. | -95.00 | PRC FES 54" | - | - | - | - | 537.33 | - |
| S 280 | DU-9 | NB I-55 | 1077+86. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 541.59 | 536.55 | 536.30 | - | - |
| S 281 | DU-9 | ARSENAL RD | 928+35. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 545.14 | 539.10 | 538.99 | - | 540.60 |
| S 282 | DU-9 | ARSENAL RD | 928+40. | -43.00 | INLET TYPE A | TY 24 F & G | 544.63 | - | - | 540.75 | - |
| S 283 | DU-9 | NB I-55 | 1080+36. | 71.25 | MH TYPE A, 5' DIA | TY 20 F & G | 541.84 | 537.35 | 537.10 | - | - |
| S 284 | DU-11 | ARSENAL RD | 958+00. | -75.00 | PRC FES 24" | - | - | - | - | 545.25 | - |
| S 285 | DU-9 | ARSENAL RD | 930+85. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 545.89 | 540.60 | 539.78 | - | 541.35 |
| S 286 | DU-9 | ARSENAL RD | 930+90. | -43.00 | INLET TYPE A | TY 24 F & G | 545.38 | - | - | 541.50 | - |
| S 287 | DU-11 | ARSENAL RD | 958+00. | 77.00 | PRC FES 24" | - | - | - | - | - | 544.66 |
| S 288 | DU-10 | NB I-55 | 1082+86. | 71.25 | MH TYPE A, 4' DIA | TY 20 F & G | 542.01 | 538.25 | 538.00 | - | - |
| S 289 | DU-10 | ARSENAL RD | 933+35. | -27.00 | MH TYPE A, 5' DIA | TY 1F CL | 546.64 | 541.70 | 541.46 | - | 541.85 |
| S 290 | DU-10 | ARSENAL RD | 933+40. | -43.00 | INLET TYPE A | TY 24 F & G | 546.13 | - | - | 542.00 | - |
| S 291 | DU-10 | NB I-55 | 1084+75. | 65.00 | CB TYPE A, 4' DIA. | TY 8 GRATE | 542.00 | - | 538.90 | - | - |
| S 292 | DU-10 | ARSENAL RD | 935+85. | -27.00 | MH TYPE A, 4' DIA | TY 1F CL | 547.56 | 542.80 | 542.56 | - | 543.35 |
| S 293 | DU-10 | ARSENAL RD | 935+90. | -43.00 | INLET TYPE A | TY 24 F & G | 547.08 | - | - | 543.50 | - |
| S 294 | DU-10 | ARSENAL RD | 938+35. | -27.00 | MH TYPE A, 4' DIA | TY 1F CL | 550.84 | 546.35 | 546.00 | - | 546.35 |
| S 295 | DU-10 | ARSENAL RD | 938+40. | -43.00 | INLET TYPE A | TY 24 F & G | 550.39 | - | - | 546.50 | - |
| S 296 | DU-11 | ARSENAL RD | 961+61. | -9.80 | CB TYPE A, 4' DIA. | TY 24 F & G | 563.47 | - | - | - | 558.00 |
| S 297 | DU-10 | ARSENAL RD | 940+20. | -27.00 | MH TYPE A, 4' DIA | TY 1F CL | 553.31 | - | 549.30 | - | 549.40 |
| S 298 | DU-10 | ARSENAL RD | 940+40 | -43.00 | INLET TYPE A | TY 24 F & G | 553.30 | - | - | 549.62 | - |
| S 299 | DU-13 | ARSENAL RD | 963+00. | -9.00 | CB TYPE A, 4' DIA. | TY 24 F & G | 566.08 | - | - | 561.75 | - |
| S 300 | DU-13 | ARSENAL RD | 962+00. | -6.00 | MH TYPE A, 5' DIA | TY 1F CL | 564.67 | 560.40 | 557.65 | 542.50 | 542.50 |
| S 301 | DU-10 | ARSENAL RD | 945+35. | -43.00 | MH TYPE A, 4' DIA. | TY 24 F & G | 554.58 | 550.25 | - | - | - |
| S 302 | DU-10 | ARSENAL RD | 946+70. | -43.00 | INLET TYPE A | TY 24 F & G | 554.16 | - | - | 550.00 | - |
| S 303 | DU-10 | ARSENAL RD | 946+75. | -36.00 | MH TYPE A, 4' DIA | TY 1F, CL | 554.42 | 549.45 | 549.55 | - | 549.90 |
| S 304 | DU-13 | W. FRONTAGE CONN. | 6087+55. | 142.60 | PRC FES | | | | | | |

DRAINAGE PIPE INFORMATION TABLE

| PIPE NO. | STORM SEW CL A, TY 1 12 | STORM SEW CL A, TY 2 12 | STORM SEW CL A, TY 1 15 | STORM SEW CL A, TY 2 15 | STORM SEW CL A, TY 1 18 | STORM SEW CL A, TY 2 18 | STORM SEW CL A, TY 1 21 | STORM SEW CL A, TY 2 21 | STORM SEW CL A, TY 1 24 | STORM SEW CL A, TY 2 24 | STORM SEW CL A, TY 3 24 | STORM SEW CL A, TY 1 30 | STORM SEW CL A, TY 2 30 | STORM SEW CL A, TY 1 36 | STORM SEW CL A, TY 2 36 | STORM SEW TY 1 EQ-ROUND 36 | STORM SEW TY 1 EQ-ROUND 42 | STORM SEW CL A, TY 1 42 | STORM SEW CL A, TY 2 42 | P CUL CL A, TY 4 24 | P CUL CL A, TY 1 30 | P CUL CL A, TY 5 48 | P CUL CL A, TY 5 54 | P CUL CL A, TY 1 EQRS 27 | P CUL CL A, TY 1 EQRS 54 | | PIPE SLOPE (%) | TRENCH BACKFILL CUYD | COMMENT |
|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|----------------------------|-------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|--------------------------|--|----------------|----------------------|----------|
| | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | | | | |
| | 550A0050 | 550A0340 | 550A0070 | 550A0360 | 550A0090 | 550A0380 | 550A0110 | 550A0400 | 550A0120 | 550A0410 | 550A0710 | 550A0140 | 550A0430 | 550A0160 | 550A0450 | 550A4700 | 550A0180 | 550A0470 | 542A2749 | 542A0235 | 542A3403 | 542A3409 | 542A5482 | 542A5509 | | | | 20800150 | |
| TOTAL | 407 | 749 | 524 | 492 | 458 | 246 | 527 | 246 | 506 | 3117 | 82 | 70 | 885 | 490 | 1249 | 1368 | 69 | 678 | 490 | 205 | 74 | 255 | 223 | 270 | 0 | | | 0 | |
| P200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P201 | | | | | | | 186 | | | | | | | | | | | | | | | | | | | | | 0.22 | 24.2 |
| P202 | | | | | | | | | 12 | | | | | | | | | | | | | | | | | | | 0.83 | 2.9 |
| P203 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P204 | | | | | | | 96 | | | 96 | | | | | | | | | | | | | | | | | | 0.22 | 9.6 |
| P205 | | | | | 96 | | | | | | | | | | | | | | | | | | | | | | | 0.26 | 9.3 |
| P206 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P207 | | | | | 116 | | | | | | | | | | | | | | | | | | | | | | | 0.26 | 10.9 |
| P208 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P209 | | | 251 | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 | 25.8 |
| P210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | NOT USED |
| P212 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 | 1.9 |
| P213 | | | | | | | | | | | | | | | | | 69 | | | | | | | | | | | 0.13 | 0.0 |
| P214 | | | | | | | | | | | | | | | | 370 | | | | | | | | | | | | 0.10 | 21.7 |
| P215 | | | | | | | | | | | | | | | | 295 | | | | | | | | | | | | 0.10 | 168.3 |
| P216 | | | | | | | | | | | | | | | | 394 | | | | | | | | | | | | 0.10 | 295.8 |
| P217 | | | | | | | | | | | | | | | | 309 | | | | | | | | | | | | 0.10 | 181.0 |
| P218 | | | | | | | | | | | | | | | | | | | | | 74 | | | | | | | 0.43 | 8.2 |
| P219 | | | | | | | | | | | | | | | 245 | | | | | | | | | | | | | 0.10 | 49.0 |
| P220 | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | 2.25 | 0.5 |
| P221 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.23 | 9.1 |
| P221A | 11 | | | | | | | | | | | | | | | | | 13 | | | | | | | | | | 1.36 | 1.7 |
| P222 | | | | | | | | | | | 94 | | | | | | | | | | | | | | | | | 0.18 | 72.9 |
| P223 | | | | | | | | | | | 170 | | | | | | | | | | | | | | | | | 0.17 | 135.0 |
| P224 | | | | | | | | | | | | | | | | | | | | | | | | 61 | | | | 0.59 | 12.8 |
| P225 | | | | | | | | | | | | | | | 245 | | | | | | | | | | | | | 0.10 | 60.5 |
| P226 | | | | | | | | | | | | | | | | | | 220 | | | | | | | | | | 0.20 | 113.2 |
| P227 | | | | | | | | | | | 345 | | | | | | | | | | | | | | | | | 0.17 | 289.8 |
| P228 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.77 | 1.7 |
| P229 | | | | | | | | | | | | | | | 245 | | | | | | | | | | | | | 0.13 | 68.7 |
| P230 | | | | | | | | | | | | | | | | | | | | | | | | 63 | | | | 0.60 | 16.3 |
| P231 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | 106.6 |
| P232 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | 148.7 |
| P233 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.7 |
| P234 | | | | | | | | | | | 350 | | | | | | | | | | | | | | | | | 0.17 | 329.0 |
| P235 | | | | | | | | | | | | | | | | | | | | | | | | | 146 | | | 0.55 | 49.2 |
| P236 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.1 |
| P237 | | | | | | | | | | | | | | | 245 | | | | | | | | | | | | | 0.13 | 61.7 |
| P238 | | | | | | | | | | | | | | | | | | | 245 | | | | | | | | | 0.20 | 126.3 |
| P239 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | 1.18 | 0.5 |
| P240 | | | | | | | | | | | | | | | 245 | | | | | | | | | | | | | 0.13 | 52.8 |
| P241 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | 2.3 |
| P242 | | | | | | | | | | | 287 | | | | | | | | | | | | | | | | | 0.17 | 300.2 |
| P243 | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | 0.50 | 4.4 |
| P244 | | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.09 | 4.7 |
| P245 | | | | | | | | | | | | | | | | | | | | 245 | | | | | | | | 0.20 | 136.9 |
| P246 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.52 | 0.0 |
| P247 | | | | | | | | | | | | | 165 | | | | | | | | | | | | | | | 0.13 | 34.8 |
| P248 | | | | | | | | | | | 70 | | | | | | | | | | | | | | | | | 0.29 | 13.6 |
| P249 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.15 | 0.0 |
| P250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | 140.1 |
| P251 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.1 |
| P252 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | 2.3 |
| P253 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | 149.8 |
| P254 | | | | | | | | | | 245 | | | | | | | | | | | | | | | | | | 0.24 | 52.0 |
| P255 | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | | 0.31 | 13.4 |
| P256 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.3 |
| P257 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.53 | 10.2 |
| P258 | | | | | | | | | | | | | 235 | | | | 19 | | | | | | | | | | | 0.20 | 71.5 |
| P259 | | | | | | | | | | 245 | | | | | | | | | | | | | | | | | | 0.24 | 68.0 |
| P260 | | | | | | | | | | | | | | | | | | | | | | | | | 223 | | | 0.30 | 54.2 |

DRAINAGE PIPE INFORMATION TABLE

| PIPE NO. | STORM SEW CL A, TY 1 12 | STORM SEW CL A, TY 2 12 | STORM SEW CL A, TY 1 15 | STORM SEW CL A, TY 2 15 | STORM SEW CL A, TY 1 18 | STORM SEW CL A, TY 2 18 | STORM SEW CL A, TY 1 21 | STORM SEW CL A, TY 2 21 | STORM SEW CL A, TY 1 24 | STORM SEW CL A, TY 2 24 | STORM SEW CL A, TY 3 24 | STORM SEW CL A, TY 1 30 | STORM SEW CL A, TY 2 30 | STORM SEW CL A, TY 1 36 | STORM SEW CL A, TY 2 36 | STORM SEW TY 1 EQ-ROUND 36 | STORM SEW TY 1 EQ-ROUND 42 | STORM SEW CL A, TY 1 42 | STORM SEW CL A, TY 2 42 | P CUL CL A, TY 4 24 | P CUL CL A, TY 1 30 | P CUL CL A, TY 5 48 | P CUL CL A, TY 5 54 | P CUL CL A, TY 1 EQRS 27 | P CUL CL A, TY 1 EQRS 54 | | PIPE SLOPE | TRENCH BACKFILL | COMMENT |
|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|----------------------------|-------------------------|-------------------------|---------------------|---------------------|---------------------|---------------------|--------------------------|--------------------------|--|------------|-----------------|----------|
| | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | (FOOT) | | (%) | CU YD | |
| | 550A0050 | 550A0340 | 550A0070 | 550A0360 | 550A0090 | 550A0380 | 550A0110 | 550A0400 | 550A0120 | 550A0410 | 550A0710 | 550A0140 | 550A0430 | 550A0160 | 550A0450 | 550A4500 | 550A4700 | 550A0180 | 550A0470 | 542A2749 | 542A0235 | 542A3403 | 542A3409 | 542A5482 | 542A5509 | | | 20800150 | |
| TOTAL | 407 | 749 | 524 | 492 | 458 | 246 | 527 | 246 | 506 | 3117 | 82 | 70 | 885 | 490 | 1249 | 1368 | 69 | 678 | 490 | 205 | 74 | 255 | 223 | 270 | 0 | | | 0 | |
| P261 | | | | | | | | | | | | | | | | | | | | 97 | | | | | | | 0.24 | 341.4 | |
| P262 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.2 | |
| P263 | | | | | | | | | | | | | | | | 240 | | | | | | | | | | | 0.20 | 79.2 | |
| P264 | | | | | | | | | | 245 | | | | | | | | | | | | | | | | | 0.24 | 57.3 | |
| P265 | | | | | | | | | | 152 | | | | | | | | | | | | | | | | | 0.45 | 272.3 | |
| P266 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 1.9 | |
| P267 | | | | | | | | | | 245 | | | | | | | | | | | | | | | | | 0.20 | 65.6 | |
| P268 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 | 1697.6 | |
| P269 | | | | | | | | | | | | | | | | 245 | | | | | | 255 | | | | | 0.20 | 87.5 | |
| P270 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.25 | 184.7 | |
| P271 | | | | | | | | | | | | | | | | | | | | | 108 | | | | | | 0.20 | 60.9 | |
| P272 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.2 | |
| P273 | | | | | | | | | | 245 | | | | | | | | | | | | | | | | | 0.30 | 85.6 | |
| P274 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | 0.0 | NOT USED |
| P275 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 | 82.3 | |
| P276 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | 0.90 | 1.2 | |
| P277 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | 0.0 | NOT USED |
| P278 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.20 | 55.1 | |
| P279 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.71 | 1.3 | |
| P280 | | 96 | | | | | | | | | | | | | | | | | | | | | | | | | 1.41 | 13.7 | |
| P281 | | 97 | | | | | | | | | | | | | | | | | | | | | | | | | 12.01 | 101.7 | |
| P282 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 1.9 | |
| P283 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.28 | 79.9 | |
| P284 | | | | | | | 245 | | | | | | | | | | | | | | | | | | | | 0.22 | 42.4 | |
| P285 | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | 0.34 | 3.0 | |
| P286 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 1.9 | |
| P287 | | | | | 246 | | | | | | | | | | | | | | | | | | | | | | 0.26 | 26.6 | |
| P288 | | | | | | | | 246 | | | | | | | | | | | | | | | | | | | 0.35 | 54.1 | |
| P289 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | 0.0 | NOT USED |
| P290 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.07 | 2.2 | |
| P291 | | | 185 | | | | | | | | | | | | | | | | | | | | | | | | 0.35 | 5.7 | |
| P292 | | | | | | 246 | | | | | | | | | | | | | | | | | | | | | 0.35 | 48.9 | |
| P293 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | 1.6 | |
| P294 | | | | 246 | | | | | | | | | | | | | | | | | | | | | | | 1.30 | 46.6 | |
| P295 | | | | | | | | | | | | | | | | | | | | | | | | 235 | | | 0.55 | 0.0 | |
| P296 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.50 | 1.4 | |
| P297 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.94 | 2.1 | |
| P298 | | 181 | | | | | | | | | | | | | | | | | | | | | | | | | 1.63 | 24.9 | |
| P299 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | 0.92 | 2.1 | |
| P300 | | 69 | | | | | | | | | | | | | | | | | | | | | | | | | 5.51 | 23.4 | |
| P301 | | 136 | | | | | | | | | | | | | | | | | | | | | | | | | 0.51 | 23.6 | |
| P302 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.43 | 1.0 | |
| P303 | | | | 246 | | | | | | | | | | | | | | | | | | | | | | | 0.49 | 57.4 | |
| P304 | | 108 | | | | | | | | | | | | | | | | | | | | | | | | | 11.30 | 110.7 | |
| P305 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | 1.25 | 1.1 | |
| P306 | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | 0.83 | 14.0 | |
| P307 | | | | | | | | | | | 82 | | | | | | | | | | | | | | | | 1.04 | 89.5 | |

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| | | | | | | | | | | | | |
|--|----------------------|----------------|---|---|--|---------------------------|-----------------------|--------------------|--------------------|-----------------|--|--|
| FILE NAME = DIB0F12-SHT-BRAINIB.dgn | USER NAME = TKluogel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE STRUCTURE AND PIPE INFORMATION TABLE | F.A.I. RTE. = 55 | SECTION = 99-2HB-2B-1 | COUNTY = WILL | TOTAL SHEETS = 756 | SHEET NO. = 184 | | |
| PLOT SCALE = 1:50 | CHECKED - CL | REVISED - | SCALE: NONE | | | SHEET NO. 18 OF 25 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE = 2/4/11 | REVISED - | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | | |

RIPRAP SCHEDULE

| STRUCT. NUMBER | DRAWING NUMBER | ROAD NAME | STATION | OFFSET (FT) | | TYPE OF STRUCTURE | OUTLET TYPE | PIPE CULVERT DIA. (INCH) | DESIGN OUTLET VELOCITY 50 YR (FT/S) | DITCH FORESLOPE | DITCH BACKSLOPE | DITCH WIDTH W (FT) | BOTTOM WIDTH AT FES OUTLET W1 (FT) | WIDTH AT OUTLET W2 (FT) | **RIPRAP APRON LENGTH (La) | TAILWATER (MAX. OR MIN.) CONDITION | DESIGN TW DEPTH (FT) | RIPRAP AREA (SQ FT) | ***RIPRAP THICKNESS dmax (INCH) | RIPRAP AREA (SQ YD) | **RIPRAP GRADATION | NOTES |
|----------------|----------------|-------------------|----------|-------------|-------|------------------------------|-------------|--------------------------|-------------------------------------|-----------------|-----------------|--------------------|------------------------------------|-------------------------|----------------------------|------------------------------------|----------------------|---------------------|---------------------------------|---------------------|--------------------|--------------------------|
| | | | | LEFT | RIGHT | | | | | | | | | | | | | | | | | |
| S201 | DU-9 | ARSENAL RD | 920+88. | - | 70.5 | PRC FES 2-30" | DITCH | 30 | 7 | 3.0H:1.0V | 3.0H:1.0V | 2 | 7.0 | - | 26 | MAX | 1.9 | 506 | 19 | 56.2 | RR5 | |
| S202 | DU-1 | RAMP A | 7000+55. | - | 21 | PRC FES 24" | DITCH | 24 | 5 | 3.0H:1.0V | 3.0H:1.0V | 4 | - | - | 14 | MAX | 1.5 | 224 | 10 | 24.8 | RR3 | |
| S206 | DU-9 | ARSENAL RD | 929+39. | - | 64 | PRC FES EQRS 27" (34" X 22") | DITCH | 34 | 7 | 3.0H:1.0V | 3.0H:1.0V | 2 | 4.8 | - | 22 | MAX | 2.1 | 448 | 14 | 49.8 | RR4 | |
| S210 | DU-10 | ARSENAL RD | 933+90. | - | 62 | PRC FES EQRS 27" (34" X 22") | DITCH | 34 | 7 | 3.0H:1.0V | 3.0H:1.0V | 2 | 4.8 | - | 22 | MAX | 2.1 | 448 | 14 | 49.8 | RR4 | |
| S219 | DU-11 | ARSENAL RD | 949+84. | - | 65 | PRC FES EQRS 27" (34" X 22") | DITCH | 34 | 5 | 3.0H:1.0V | 3.0H:1.0V | 2 | 4.8 | - | 16 | MAX | 2.1 | 303 | 10 | 33.7 | RR3 | |
| S224 | DU-11 | ARSENAL RD | 951+30. | - | 65 | PRC FES EQRS 27" (34" X 22") | DITCH | 34 | 5 | 3.0H:1.0V | 3.0H:1.0V | 2 | 4.8 | - | 16 | MAX | 2.1 | 326 | 10 | 36.2 | RR3 | |
| S229 | DU-7 | E. FRONTAGE RD. | 8049+00. | 90 | | PRC FES 15" | DITCH | 15 | 5 | 3.0H:1.0V | 3.0H:1.0V | 2 | 3.3 | - | 16 | MAX | 0.9 | 162 | 14 | 18.0 | RR4 | |
| S268 | DU-13 | W. FRONTAGE CONN. | 6086+74. | - | 146.5 | PRC FES EQRS 54" (68" X 43") | FLAT AREA | 68 | 5 | - | - | - | 17.0 | 33.7 | 28 | MIN | - | 709 | 19 | 78.8 | RR5 | |
| S278 | DU-13 | ARSENAL RD | 962+00. | - | 104 | PRC FES 24" | FLAT AREA | 24 | 5 | - | - | - | 6.0 | 18.0 | 16 | MIN | - | 192 | 10 | 21.3 | RR3 | |
| S279 | DU-13 | W. FRONTAGE CONN. | 6087+57. | 95 | - | PRC FES 54" | DITCH | 54 | 9 | 3.0H:1.0V | 3.0H:1.0V | 10 | 6.5 | - | 26 | MAX | 3.4 | 915 | 19 | 101.6 | RR5 | |
| S287 | DU-11 | ARSENAL RD | 958+00. | 77 | - | PRC FES 24" | DITCH | 24 | 6 | 3.0H:1.0V | 3.0H:1.0V | 2 | 4.0 | - | 17 | MAX | 1.5 | 254 | 14 | 28.3 | RR4 | |
| S304 | DU-13 | W. FRONTAGE CONN. | 6087+55. | | 142.6 | PRC FES EQRS 54" (68" X 43") | DITCH | 68 | 5 | 6.0H:1.0V | 4.0H:1.0V | 27 | 27.0 | - | 26 | MAX | 4.3 | 2,172 | 19 | 241.3 | RR5 | |
| S307 | DU-13 | W. FRONTAGE CONN. | 6087+71. | 91.75 | - | PRC FES EQRS 54" (68" X 43") | DITCH | 68 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | PROVIDED IN STR. S279 |
| S309 | DU-11 | ARSENAL RD | 949+65. | 62 | - | PRC FES 15" | FLAT AREA | 15 | 5 | - | - | - | 3.8 | 15.3 | 14 | MIN | - | 133 | 10 | 14.8 | RR3 | |
| S312 | DU-13 | ARSENAL RD | 967+00. | 140 | - | PRC FES 48" | DITCH | 48 | 8 | 3.0H:1.0V | 3.0H:1.0V | 4 | - | - | 24 | MAX | 3.0 | 671 | 14 | 74.5 | RR4 | |
| S315 | DU-13 | ARSENAL RD | 967+85. | 107 | - | PRC FES 12" | DITCH | 12 | 5 | 3.0H:1.0V | 3.0H:1.0V | 2 | - | - | 15 | MAX | 0.8 | 120 | 10 | 13.3 | RR3 | |
| S319 | DU-14 | ARSENAL RD | 972+85. | - | 63 | PRC FES 12" | FLAT AREA | 12 | 5 | - | - | - | 3.0 | 13.0 | 12 | MIN | - | 96 | 10 | 10.7 | RR3 | |
| S324 | DU-13 | W. FRONTAGE CONN. | 6086+73. | 78 | - | AROUND CATCH BASIN | - | - | - | - | - | - | - | - | - | - | - | 150 | 14 | 16.7 | RR4 | |
| S325 | DU-13 | W. FRONTAGE CONN. | 6087+50. | 112.5 | - | PRC FES 24" | DITCH | 24 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | PROVIDED IN STR. S279 |
| - | DU-12 | W. FRONTAGE CONN. | 6082+15. | 60 | - | PAVED DITCH | DITCH | - | 5 | 3.0H:1.0V | 3.0H:1.0V | 2 | - | - | 100 | - | 1 | 800 | 10 | 88.9 | RR3 | EXTENSION OF PAVED DITCH |
| - | DU-13 | W. FRONTAGE CONN. | 6087+00. | - | 168 | DET. POND 2 OVERFLOW | SPILLWAY | - | - | - | - | - | - | 70.0 | 100 | - | - | 7,000 | 19 | 777.8 | RR5 | |

PAVED DITCH SCHEDULE

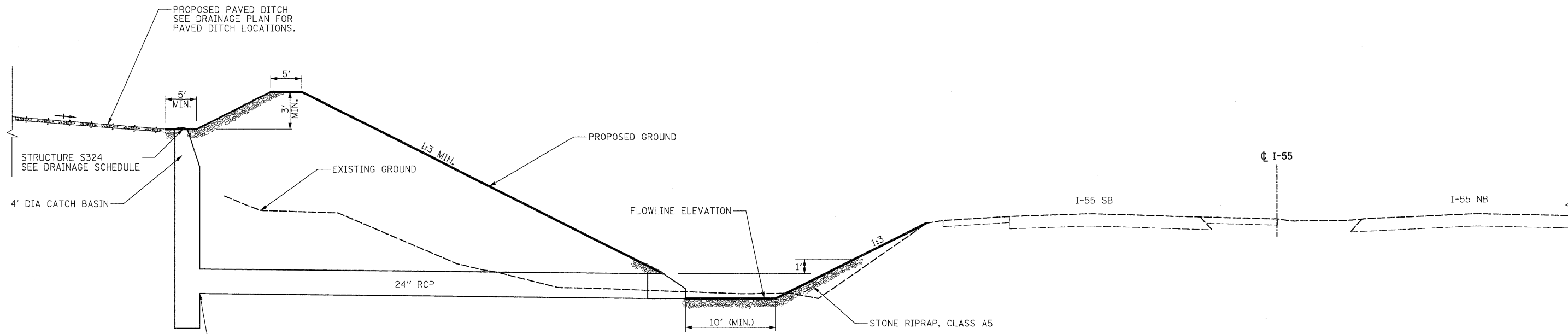
| SHEET NO. | ROAD NAME | STA. | | OFFSET (FT) | LENGTH (FT) | TYPE OF DITCH |
|--------------|-----------------------|----------|---------|-------------|-------------|------------------------|
| | | FROM | TO | | | |
| DU-12, DU-13 | W. FRONTAGE CONNECTOR | 6082+15. | 6086+71 | VARIES | 456 | PAVED DITCH, TYPE A-15 |
| DU-13 | ARSENAL RD. | 967+85. | 967+00 | VARIES | 85 | PAVED DITCH, TYPE A-15 |
| DU-14 | ARSENAL RD. | 975+00 | 977+04 | 57 | 204 | PAVED DITCH, TYPE A-15 |

NOTES:

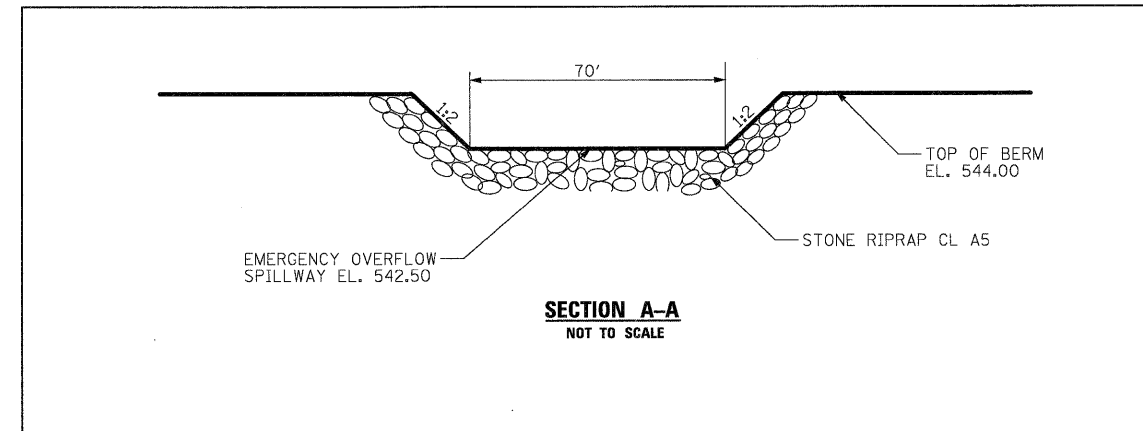
1. RIPRAP SHALL NOT BE PROVIDED WHEN THE SEWER OR CULVERT PIPE OUTLETS ARE IN BEDROCK. EXACT LOCATIONS FOR THE RIPRAP SHALL BE FIELD DETERMINED BASED ON BEDROCK LOCATION.
2. PAVED DITCH SHALL NOT BE PROVIDED AT THE EXPOSED BEDROCK LOCATIONS. EXACT LOCATIONS FOR THE PAVED DITCHES SHALL BE FIELD DETERMINED BASED ON BEDROCK LOCATION.

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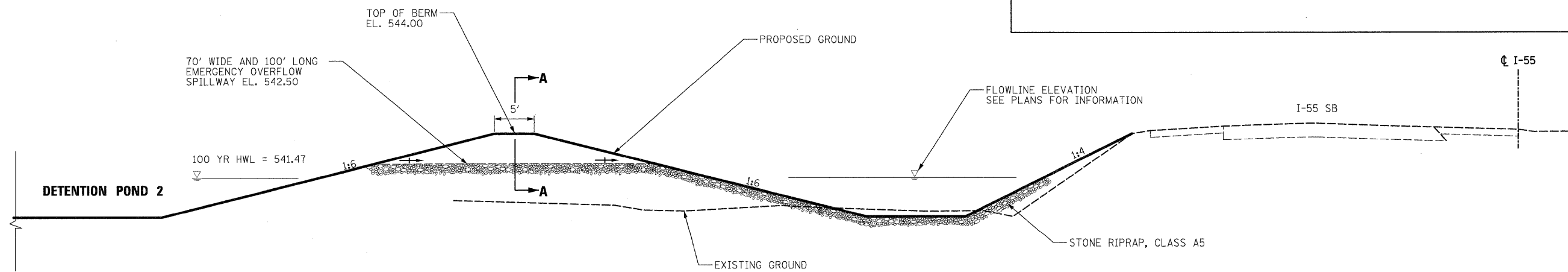
| | | | | | | | | | | | | | |
|--------------------------------------|----------------------|---------------|-----------|---|---|---------------------------|------|---------|---------------------------|-------------|--------|--------------|-----------|
| FILE NAME = D:\B\F12-SHT-CRAIN\9.dgn | USER NAME = TK\uegel | DESIGNED - VP | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIPRAP AND PAVED DITCH SCHEDULE | | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - VP | REVISED - | | SCALE: NONE | SHEET NO. 19 OF 25 SHEETS | STA. | TO STA. | 55 | 99-2HB-2B-1 | WILL | 756 | 185 |
| | | CHECKED - CL | REVISED - | | | | | | CONTRACT NO. 60F12 | | | | |
| | | DATE - 2/4/11 | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | |



DETAIL 1
AT STATION 1116+25
LOOKING NORTH
 NOT TO SCALE



SECTION A-A
 NOT TO SCALE



DETAIL 2
DETENTION POND 2 EMERGENCY OVERFLOW SPILLWAY
LOOKING NORTH
 NOT TO SCALE

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| | |
|--------------------------|----------------------|
| FILE NAME = | USER NAME = TKLuegal |
| 0:160F12-SHT-DRAIN20.dgn | |

| | |
|----------------------|----------------|
| PLOT SCALE = 1:50 | DESIGNED - PKT |
| PLOT DATE = 2/3/2011 | DRAWN - PKT |
| | CHECKED - CL |
| | DATE - 2/4/11 |

| | |
|----------|----------|
| REVISD - | REVISD - |
| REVISD - | REVISD - |
| REVISD - | REVISD - |

| | |
|----------------|----------|
| DESIGNED - PKT | REVISD - |
| DRAWN - PKT | REVISD - |
| CHECKED - CL | REVISD - |
| DATE - 2/4/11 | REVISD - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| DRAINAGE DETAILS | | | |
|------------------|---------------------------|------|---------|
| SCALE: NONE | SHEET NO. 20 OF 25 SHEETS | STA. | TO STA. |

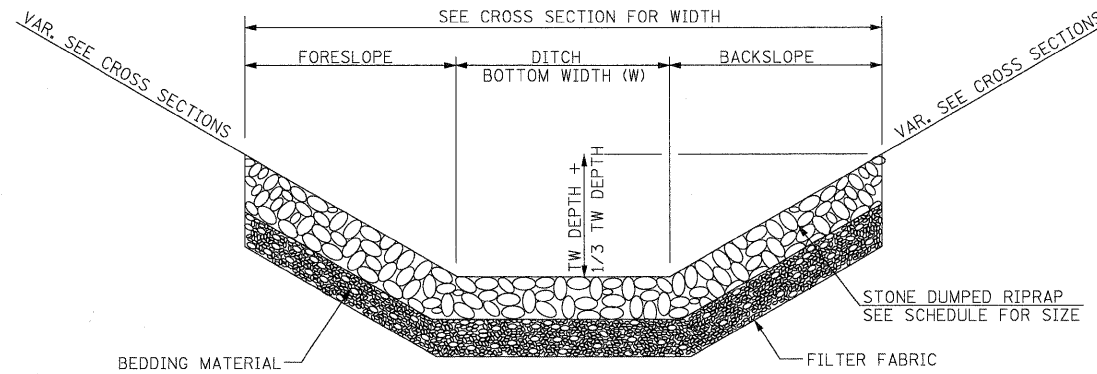
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|--------------|-----------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 186 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

NOTES:

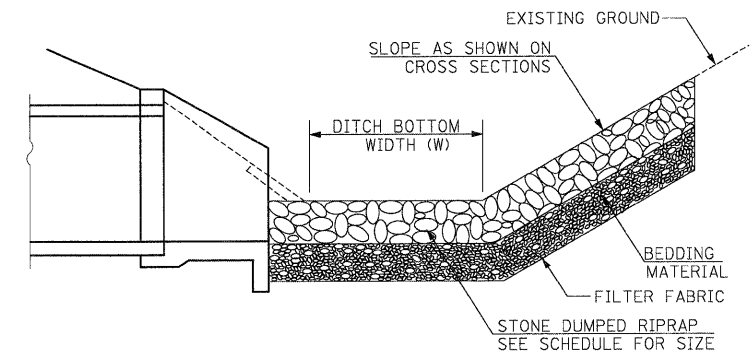
1. FOR RIPRAP LENGTH, WIDTH AND DEPTH SEE RIPRAP SCHEDULE SHEET DU-19.
2. THE RIPRAP MATERIAL SHALL CONFORM TO CLASS A OR CLASS B QUALITY.
3. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC FOR USE WITH RIPRAP.
4. THE EXACT LENGTH, WIDTH AND DEPTH FOR RIPRAP PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
5. NO RIPRAP SHALL BE PROVIDED WHERE PROPOSED CULVERT OUTLETS TO PAVED DITCH OR EXPOSED BEDROCK.

| DEPTH | SIDE WIDTH | | |
|-------|------------|-----------|-----------|
| | 1:2 SLOPE | 1:3 SLOPE | 1:4 SLOPE |
| 6" | 1.0' | 1.5' | 2.0' |
| 12" | 2.0' | 3.0' | 4.0' |
| 18" | 3.0' | 4.5' | 6.0' |
| 24" | 4.0' | 6.0' | 8.0' |
| 36" | 6.0' | 9.0' | 12.0' |
| 48" | 8.0' | 12.0' | 16.0' |

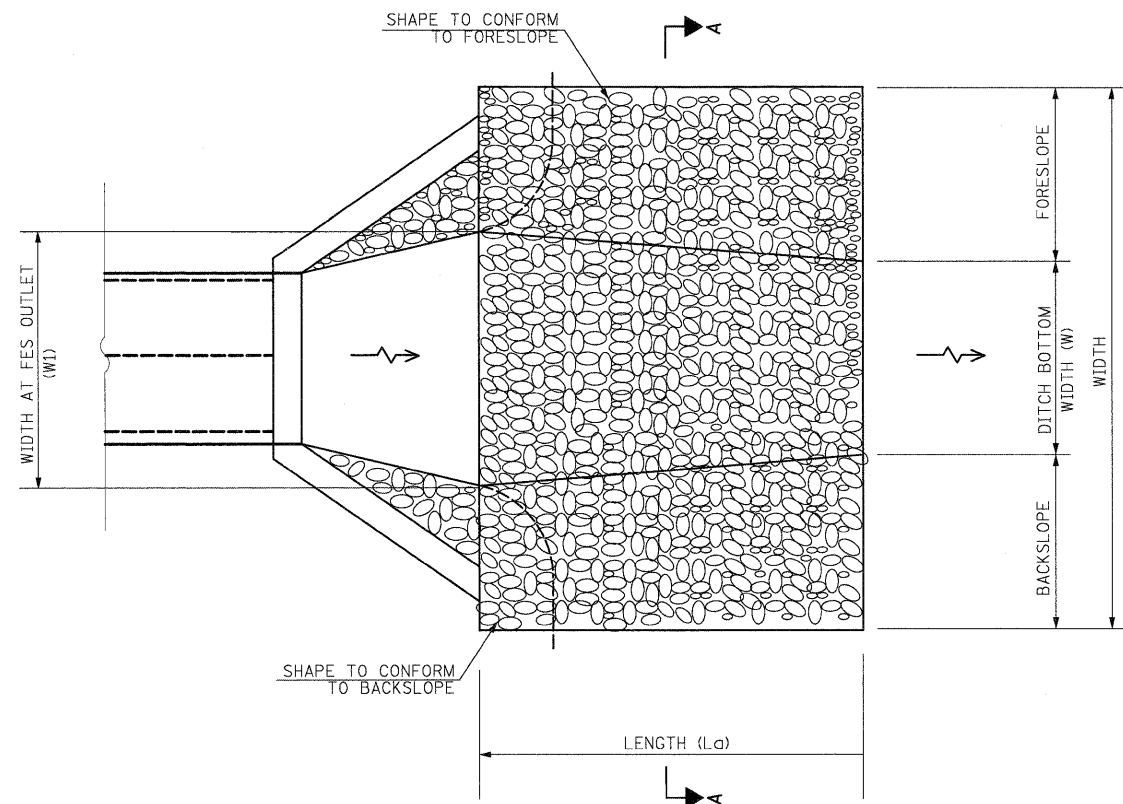
* TRANSITIONAL AREAS, SIDE WIDTH WILL VARY ACCORDING TO SIDE SLOPE.



SECTION A-A

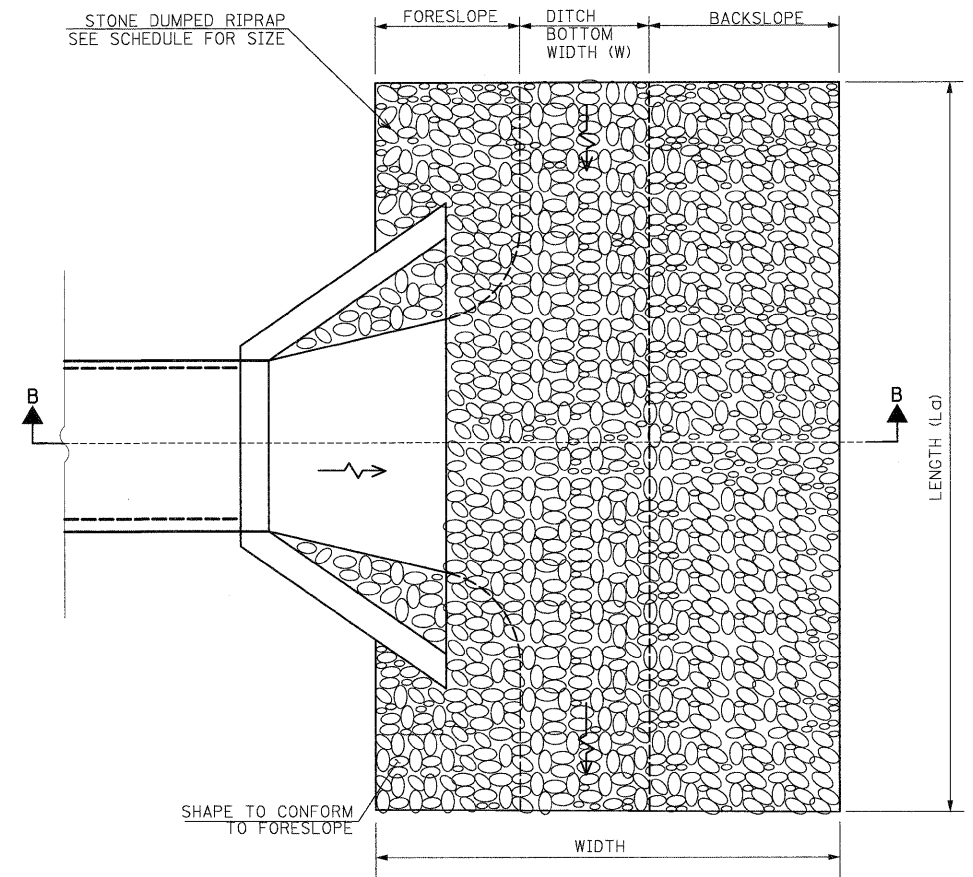


SECTION B-B



PLAN

RIPRAP AT CULVERT OUTLET
NOT TO SCALE



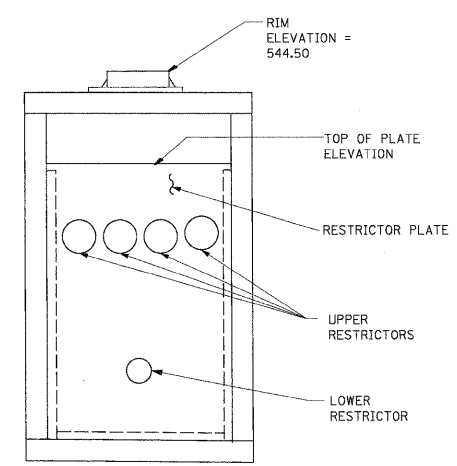
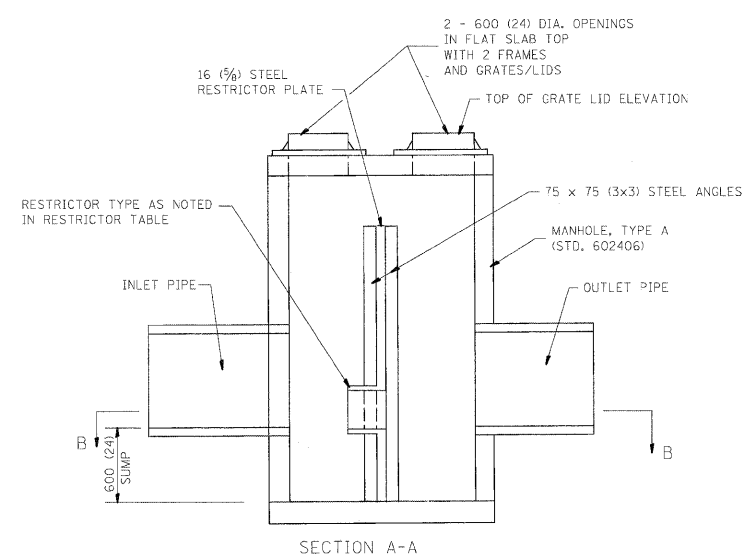
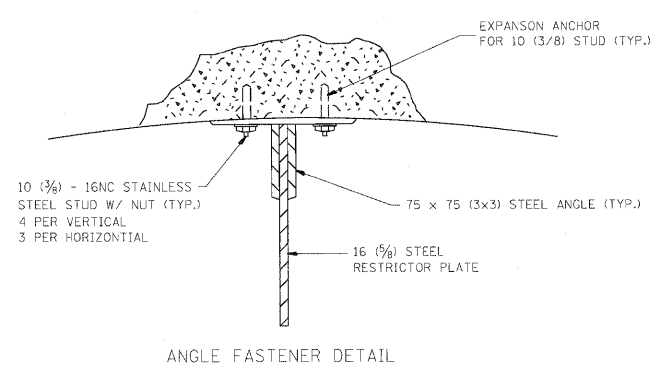
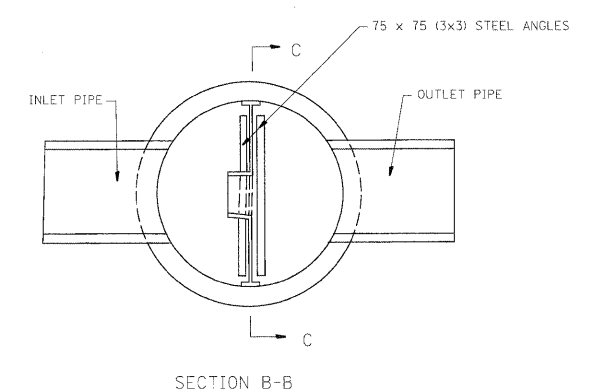
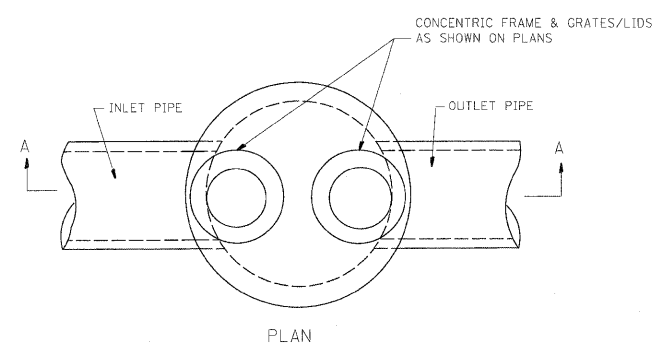
PLAN

RIPRAP AT CULVERT OUTLET PERPENDICULAR TO DITCH
NOT TO SCALE

| GRADATION | MIN. THICKNESS | BEDDING THICKNESS |
|-----------|----------------|-------------------|
| RR3 | 8" | --- |
| RR4 | 16" | 6" |
| RR5 | 22" | 8" |

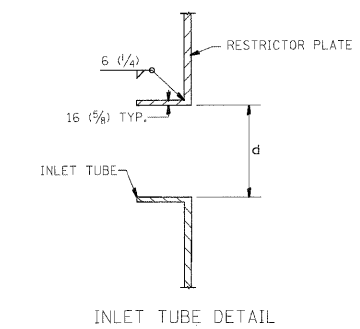
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| | | | | | | | | | | | | |
|--------------------------------------|----------------------|---------------|-----------|---|---|---------------------------|--------------|--------------------|---------------------|-------------|------------------|---------------|
| FILE NAME = D:\60F12-SHT-DRAIN21.dgn | USER NAME = TKLuegel | DESIGNED - VP | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE DETAILS | | | F.A.1 RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 187 |
| PLOT SCALE = 1:1500 | CHECKED - CL | REVISED - | REVISED - | | SCALE: NONE | SHEET NO. 21 OF 25 SHEETS | STA. TO STA. | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | REVISED - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |



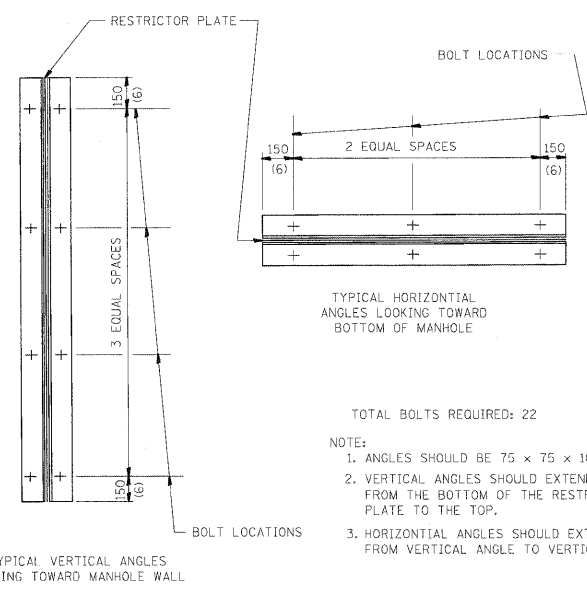
SECTION C-C
STRUCTURE S274
POND 2

- NOTES:
- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 - ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 - BASIS OF PAYMENT: "MANHOLES, TYPE A, 1.8m (6FT.) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



| STRUCTURE NUMBER | STATION/OFFSET | MANHOLE DIAMETER | FRAME AND GRATE | RESTRICTOR TYPE | INSIDE LOWER RESTRICTOR DIAMETER OR SIZE (in.) (d) | INVERT OF LOWER RESTRICTOR | INSIDE UPPER RESTRICTOR DIAMETER OR SIZE (in.) (d) | INVERT OF UPPER RESTRICTOR | ELEVATION OF TOP OF PLATE OVERFLOW |
|------------------|-------------------|------------------|-----------------|-----------------|--|----------------------------|--|----------------------------|------------------------------------|
| S274 POND 2 | 6086+83, 119' RT. | 7' | 2 TY 1F CL | 5 | 9.50 | 538.00 | 4-13.00 | 540.25 | 541.50 |

NOTE: ALL RESTRICTOR SHAPES ARE ROUND, UNLESS NOTED OTHERWISE.



- TOTAL BOLTS REQUIRED: 22
- NOTE:
- ANGLES SHOULD BE 75 x 75 x 10 (3x3x3/8)
 - VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 - HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

| RESTRICTOR TYPE | | | | | |
|-----------------------|------------|---------------------|--------------------|--------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RE-ENTRANT TUBE | SHARP EGED | SQUARE EGED | RE-ENTRANT TUBE | SQUARE EGED | ROUNDED |
| | | | | | |
| LENGTH: 1/2 TO 1 DIA. | | STREAM CLEARS SIDES | LENGTH: 2-1/2 DIA. | LENGTH: 2-1/2 DIA. | |
| C=.52 | C=.61 | C=.61 | C=.73 | C=.82 | C=.98 |

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

| REVISIONS | |
|-----------|----------|
| NAME | DATE |
| R. SHAH | 09/09/94 |
| R. SHAH | 10/25/94 |
| E. GOMEZ | 08/28/00 |
| M. GOMEZ | 01/08/01 |

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE
DATE **DATE**

DRAWN BY
CHECKED BY
BD600-04 (BD-12)

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| | | | |
|-------------------------------------|----------------------|----------------|-----------|
| FILE NAME = D:\60F12-SH-DRAIN22.dgn | USER NAME = TKluegal | DESIGNED - PKT | REVISED - |
| PLOT SCALE = 1/8"=1' | | DRAWN - PKT | REVISED - |
| PLOT DATE = 2/3/2011 | | CHECKED - CL | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

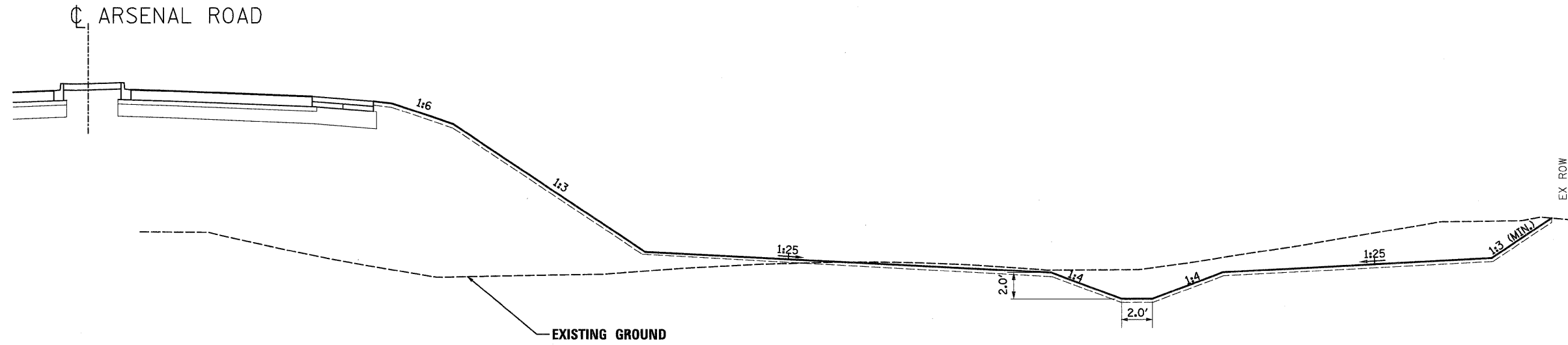
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RESTRICTOR MANHOLE DETAIL

SCALE: NONE SHEET NO. 22 OF 25 SHEETS STA. TO STA.

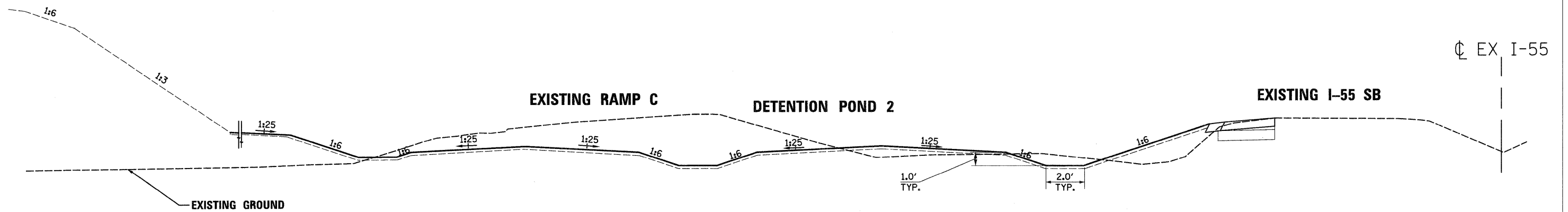
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|---|-------------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 55 | 99-2HB-2B-1 | WILL | 756 | 188 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

**PROPOSED
ARSENAL ROAD**



**SECTION A-A
VEGETATED BUFFER AREA EAST OF I-55
DITCH BMP 1 AND BMP 2**

**EXISTING
WEST FRONTAGE CONNECTOR**



**SECTION B-B
VEGETATED BUFFER THROUGH DETENTION POND 2
DITCH BMP 3**

NOTE: SPILLWAY BETWEEN SB I-55 AND DETENTION POND 2 HAS NOT BEEN SHOWN.

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| | | | |
|--|----------------------|-------------------|-----------|
| FILE NAME = D162F12-SHT-DRAIN23.dgn | USER NAME = TKluegel | DESIGNED - P.K.T. | REVISED - |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - 2/4/11 | REVISED - |

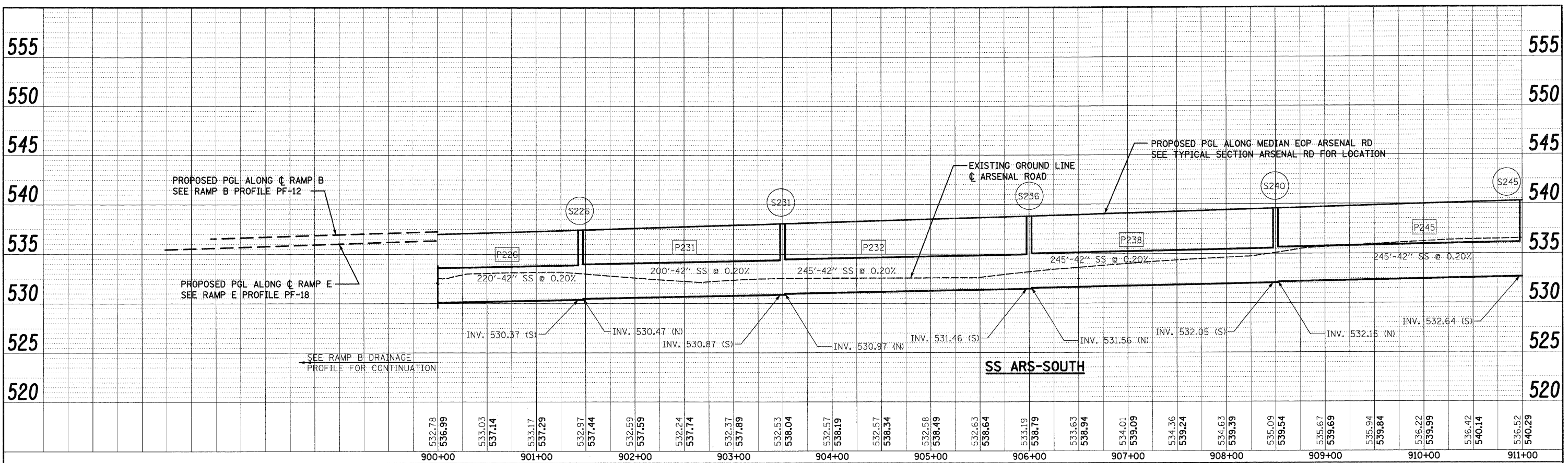
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS - VEGETATED BUFFER

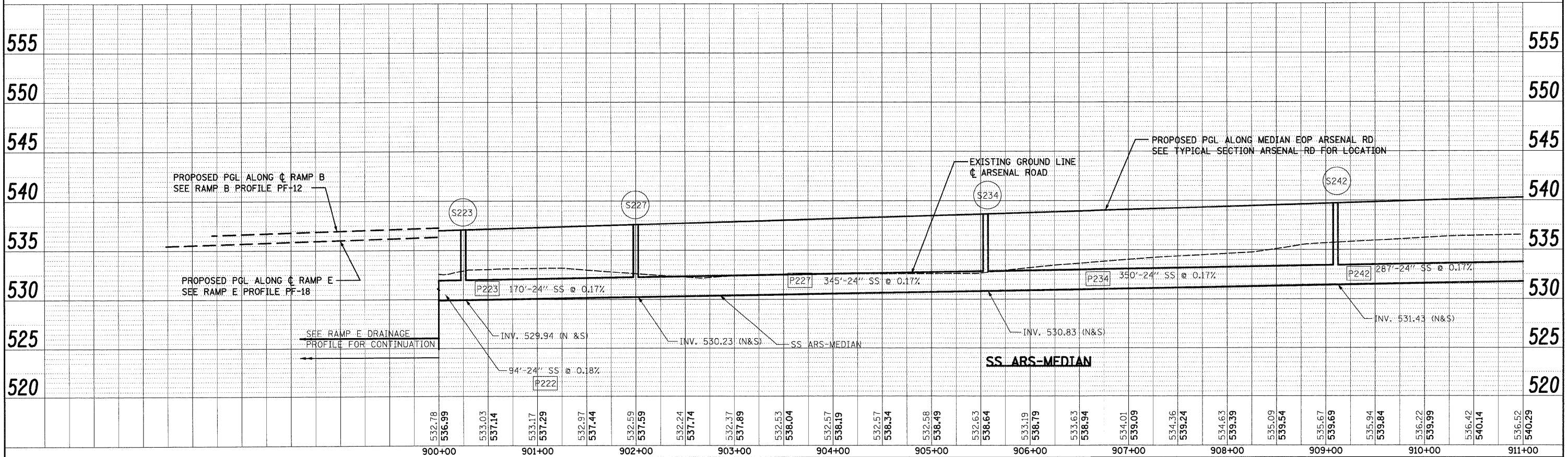
SCALE: N.T.S. SHEET NO. 23 OF 25 SHEETS STA. TO STA.

| F.A.I RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|-------------|--------|-----------------|--------------|
| 55 | 99-2HB-2B-1 | WILL | 756 | 189 |
| CONTRACT NO. 60F12 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

PLAN SURVEYED BY DATE
 NOTE BOOK ALIGNED CHECKED BY DATE
 NO. OF PAGES CHECKED BY DATE
 FILE NAME



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



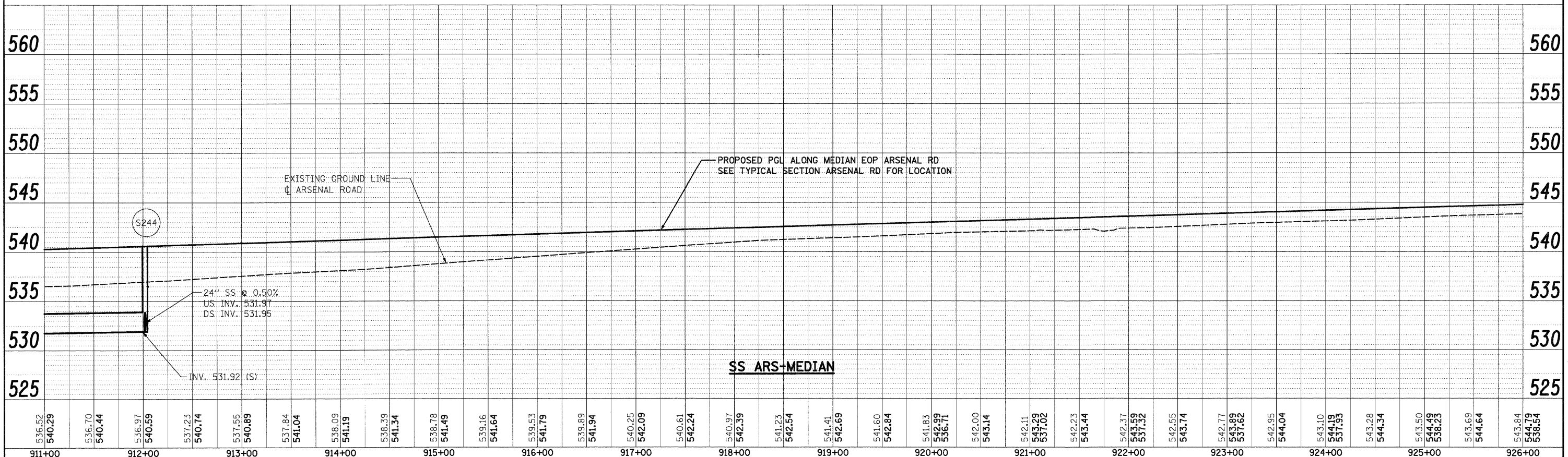
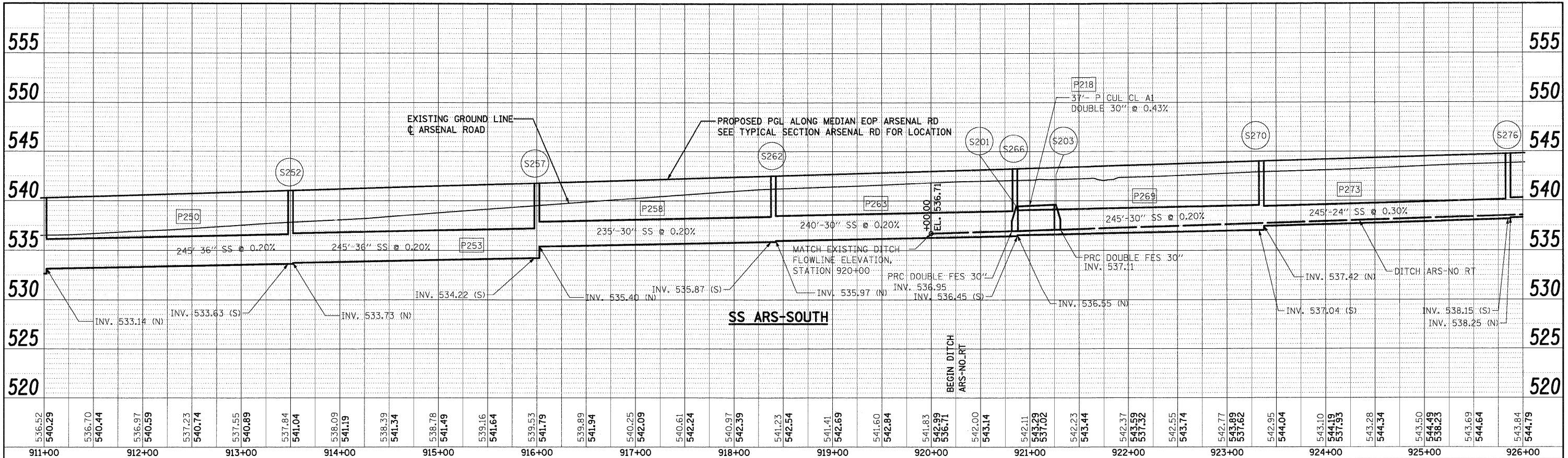
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|--------------------------------|----------------------|----------------|-----------|---|--------------------------------------|--|---|-------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = TKLuegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARSENAL ROAD DRAINAGE PROFILE | SCALE: 1"=50' H; 1"=5' V SHEET NO. 1 OF 14 SHEETS STA. TO STA. | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 0160F12-SHT-DRAINPROFILE01.dgn | | DRAWN - VP | REVISED - | | | | 55 | 99-2HB-28-1 | WILL | 756 | 190 |
| PLOT SCALE = 1:50 | | CHECKED - CL | REVISED - | | | | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | | DATE - 2/4/11 | REVISED - | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

PLAN SURVEYED BY: DATE: ALIGNED CHECKED: RT. OF WAY CHECKED: NO. OF W.A. CHECKED: NO. OF FILE NAME:

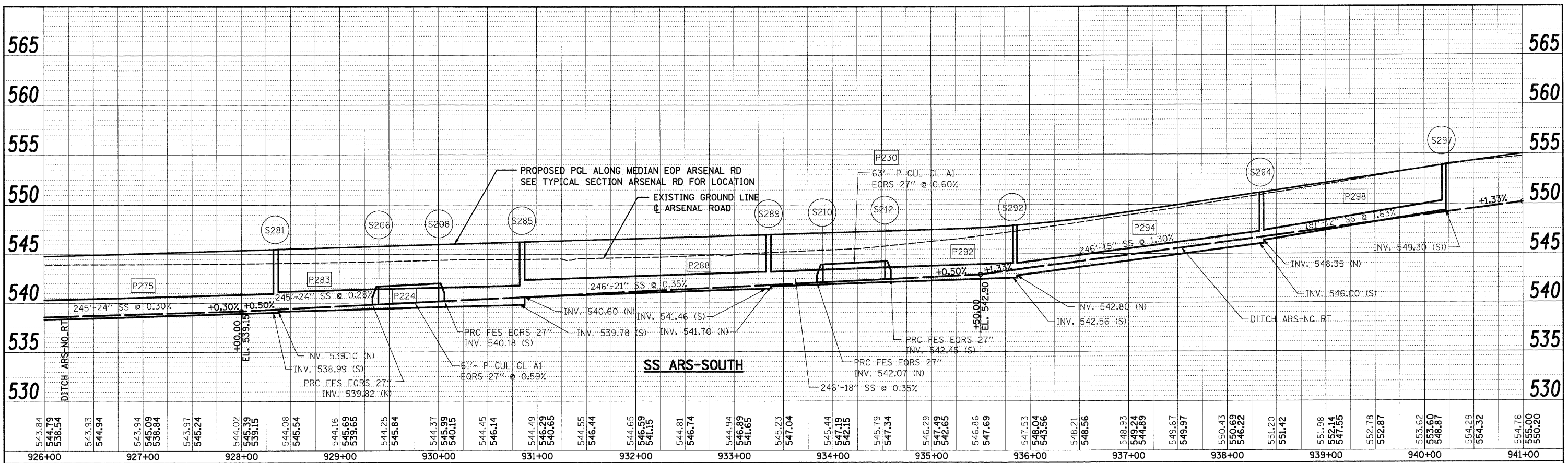
PROFILE SURVEYED BY: DATE: GRADES CHECKED: STRUCTURE NOTATIONS OK'D: NO.:

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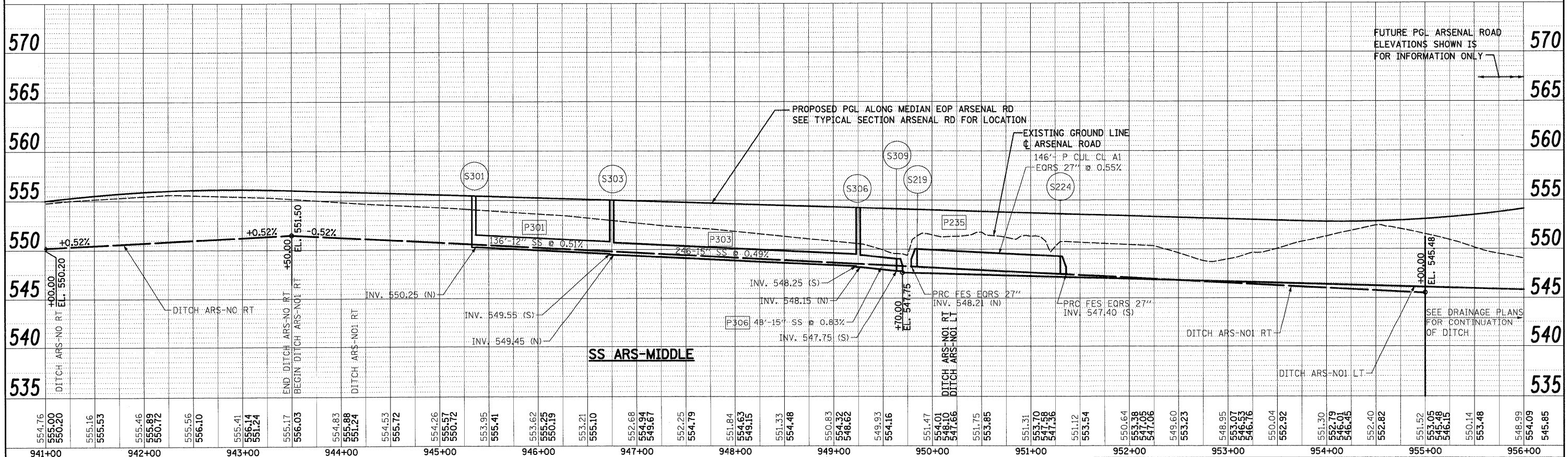


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| FILE NAME = D:\68F12-SHT-DRAINPROFILE02.dgn | USER NAME = TKLuegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARSENAL ROAD DRAINAGE PROFILE | SCALE: 1"=50'-0" HORIZ. 1"=5'-0" VERT. SHEET NO. 2 OF 14 SHEETS STA. TO STA. | F.A.I. RTE. 55 SECTION 99-2HB-2B-1 COUNTY WILL TOTAL SHEETS 756 SHEET NO. 191 CONTRACT NO. 60F12 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |
| | | DRAWN - VP | REVISED - | | | | |
| | | CHECKED - CL | REVISED - | | | | |
| | | DATE - 2/4/11 | REVISED - | | | | |

DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 PLAN: _____
 NO. OF WAY CHECKED: _____
 NO. OF FILE NAME: _____



DATE: _____
 BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 PROFILE: _____
 NO. OF WAY CHECKED: _____
 NO. OF STRUCTURE NOTATIONS CHD: _____



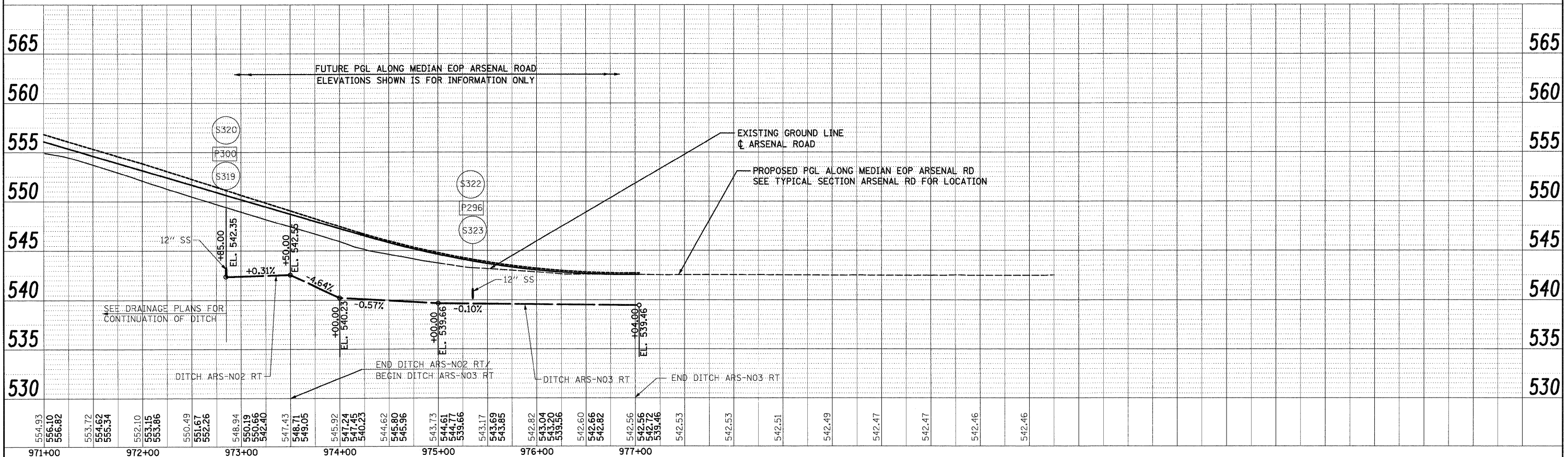
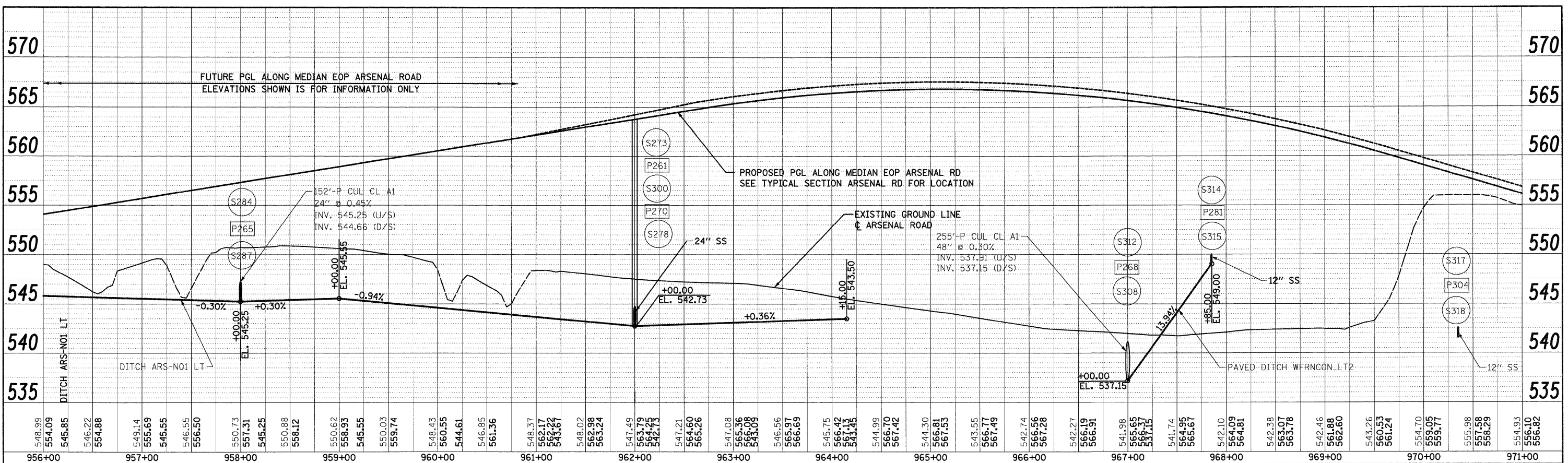
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| | | | | | | | |
|--|----------------------|----------------|-----------|---|--------------------------------------|--|--|
| FILE NAME = 0160F12-SH-T-DRAINPROFILE#03.dgn | USER NAME = TKluegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARSENAL ROAD DRAINAGE PROFILE | F.A.I. SECTION COUNTY TOTAL SHEET NO. | |
| PLOT SCALE = 1:50 | CHECKED - CL | REVISED - | REVISED - | | | 55 99-2HB-2B-1 WILL 756 192 | |
| PLOT DATE = 2/3/2011 | DATE = 2/4/11 | REVISED - | REVISED - | | | CONTRACT NO. 60F12 | |
| | | | | | | SCALE: 1"=50'H; 1"=5'V SHEET NO. 3 OF 14 SHEETS STA. TO STA. | |
| | | | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |

PLAN SURVEYED BY DATE
 GRADES CHECKED
 ALIGNED CHECKED
 NOTE BOOK NO. OF WVA CHECKED
 NO. OF WVA CHECKED
 ROAD FILE NAME

PROFILE SURVEYED BY DATE
 GRADES CHECKED
 NOTE BOOK NO. OF WVA CHECKED
 STRUCTURE NOTATIONS CHECKED

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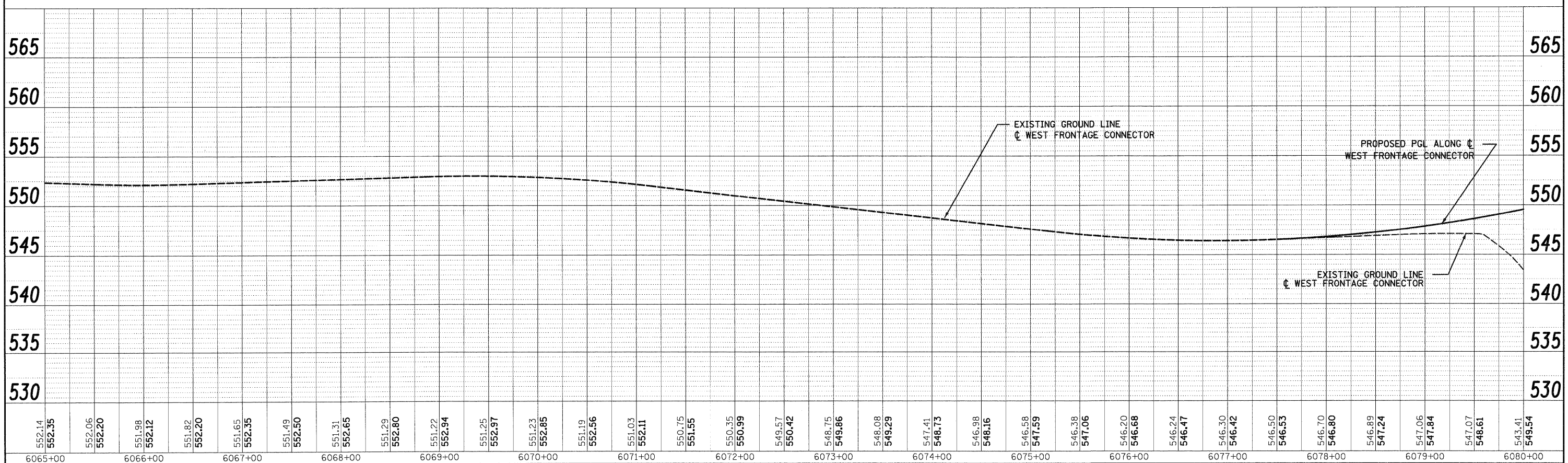
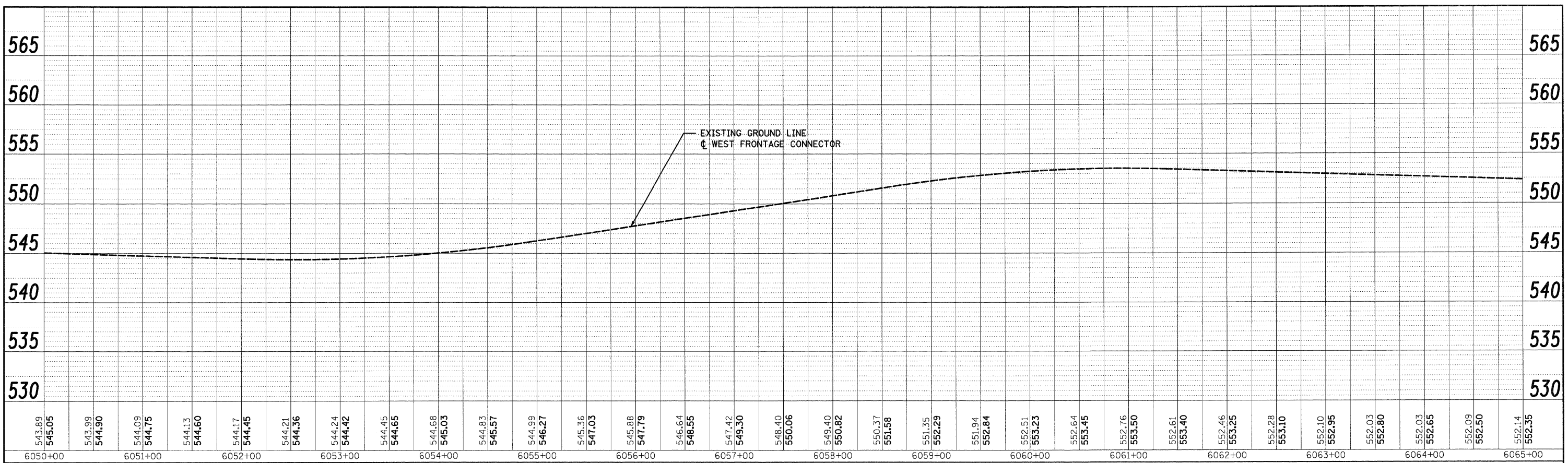


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| FILE NAME = D:\60\F12-SHT-DRAIN\PROFILE04.dgn | USER NAME = TKLuegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARSENAL ROAD DRAINAGE PROFILE | F.A.I. RTE. 55 | SECTION 99-2HB-28-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 193 |
| PLOT SCALE = 1:50 | CHECKED - CL | REVISED - | REVISED - | | | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE = 2/4/11 | REVISED - | REVISED - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
| SCALE: 1"=50' H: 1"=5' V | | SHEET NO. 4 OF 14 SHEETS | | | | STA. TO STA. | | | | |

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| PLAN | SURVEYED | BY | DATE |
| NOTE BOOK NO. | ALIGNED | | |
| | CHKD | | |
| | BY | | |
| | DATE | | |

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|---------------|--------------------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| NOTE BOOK NO. | GRADES CHECKED | | |
| | B.M. NOTED | | |
| | STRUCTURE NOTATIONS CR'D | | |

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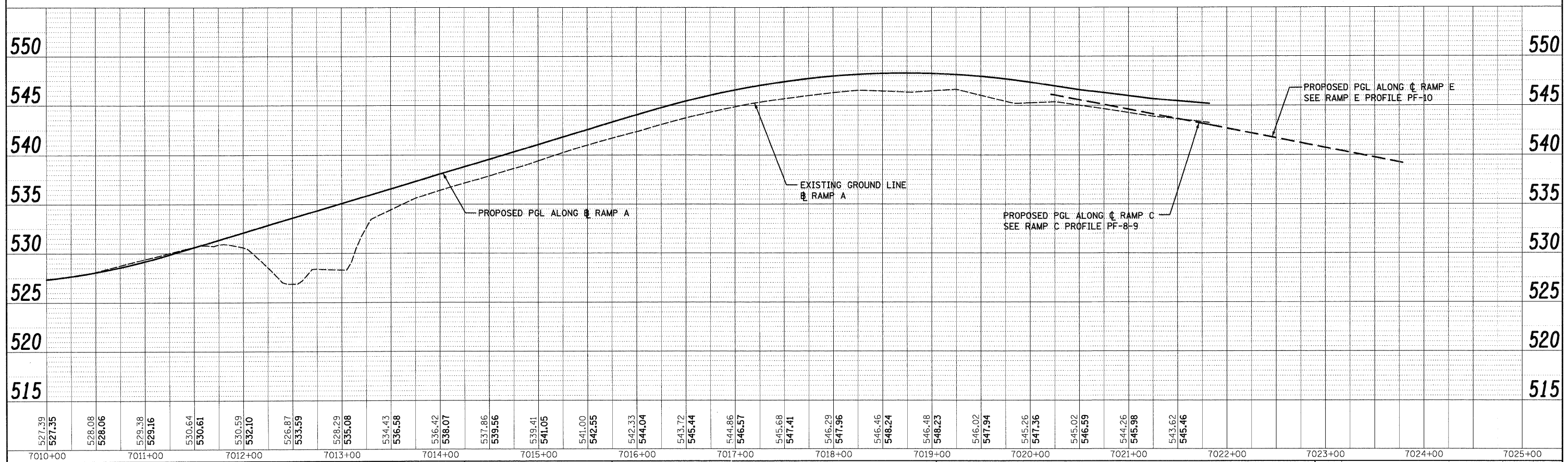
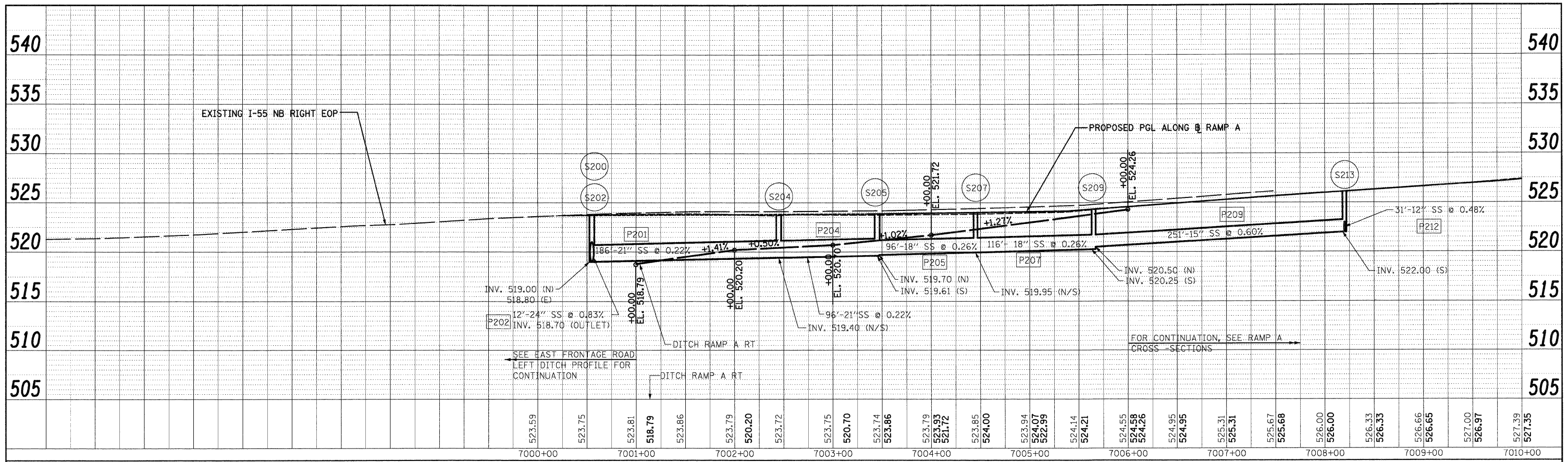


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|---|----------------------|----------------|-----------|---|---|-------------|-------------|---|--------|--------------|-----------|
| FILE NAME 0168F12-SHT-DRAINPROFILE05.dgn | USER NAME = Tk1uege1 | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | WEST FRONTAGE CONNECTOR DRAINAGE PROFILE | | F.A.I. RITE | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLT SCALE = 1/8"=1' | CHECKED - CL | REVISED - | REVISED - | | 55 | 99-2HB-2B-1 | WILL | 756 | 194 | | |
| PLDT DATE = 2/3/2011 | DATE - 2/4/11 | REVISED - | REVISED - | | CONTRACT NO. 60F12 | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | |
| | | | | | SCALE: 1"=50'H; 1"=5'V SHEET NO. 5 OF 14 SHEETS | | STA. | TO STA. | | | |

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|-----------|-----------|
| DATE | |
| BY | |
| REVIEWED | |
| PROPOSED | |
| ALIGNMENT | CHECKED |
| NOTE BOOK | CHECKED |
| NO. | |
| CHD | FILE NAME |

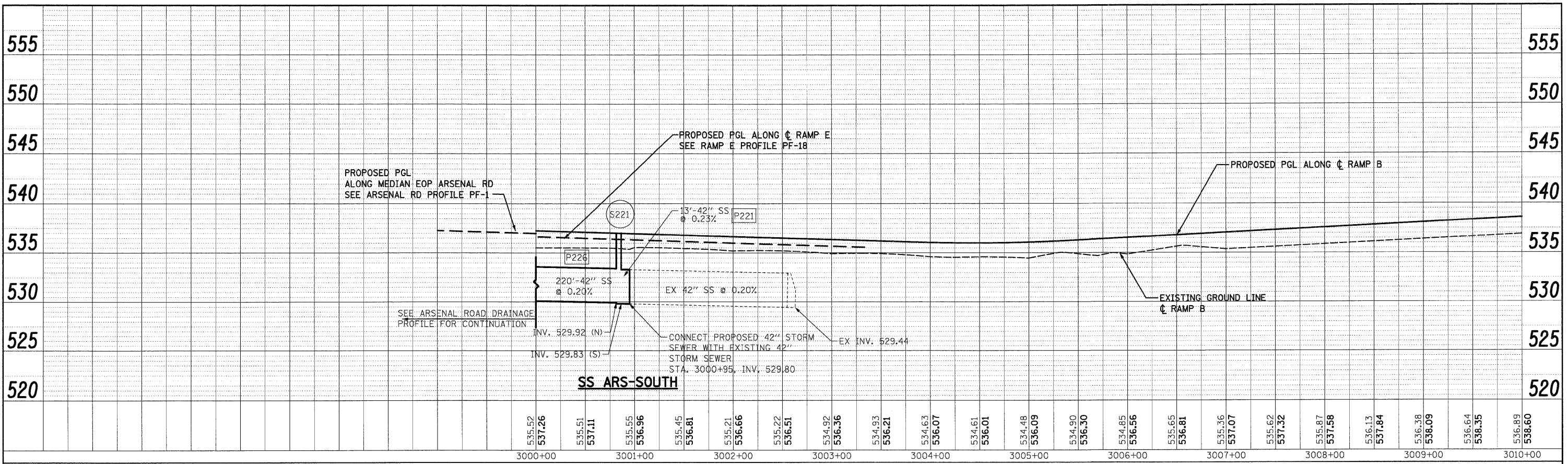
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|-----------|--------------|
| DATE | |
| BY | |
| REVIEWED | |
| PROPOSED | |
| ALIGNMENT | CHECKED |
| NOTE BOOK | CHECKED |
| NO. | |
| CHD | NOTATION CHD |

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| | | | | | | | | | | | |
|--------------------------------------|----------------------|----------------|-----------|---|--------------------------------|---|-------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = TKluagel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RAMP A DRAINAGE PROFILE | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| D:\68F12-SHT-DRAIN\PROFILES\LE07.dgn | | DRAWN - PKT | REVISED - | | | 55 | 99-2HB-2B-1 | WILL | 756 | 196 | |
| PLOT SCALE = 1/50 | | CHECKED - CL | REVISED - | | | CONTRACT NO. 60F12 | | | | | |
| PLOT DATE = 2/3/2011 | | DATE - 2/4/11 | REVISED - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |

DATE: _____ BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 FILE NAME: _____
 NO. _____



DATE: _____ BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 FILE NAME: _____
 NO. _____



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|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 536.89 | 538.60 | 536.38 | 538.86 | 537.40 | 539.11 | 537.62 | 539.37 | 537.83 | 539.54 | 538.23 | 539.54 | 537.67 | 539.38 | 535.45 | 539.13 | 537.17 | 538.88 | 534.86 | 538.63 | 536.67 | 538.38 | 535.58 | 538.13 | 536.17 | 537.88 | 534.32 | 537.63 | 535.67 | 537.38 | 534.23 | 537.13 | 535.17 | 536.88 | 534.33 | 536.63 | 534.67 | 536.38 | 533.94 | 536.13 | 534.17 | 535.88 | 533.29 | 535.63 | 533.70 | 535.41 | 534.00 | 535.43 | 534.01 | 535.72 | 534.80 | 536.28 | 535.37 | 537.07 | 536.37 | 537.90 | 537.00 | 538.71 | 537.69 | 539.37 | 538.15 | 539.88 |
| 3010+00 | 3011+00 | 3012+00 | 3013+00 | 3014+00 | 3015+00 | 3016+00 | 3017+00 | 3018+00 | 3019+00 | 3020+00 | 3021+00 | 3022+00 | 3023+00 | 3024+00 | 3025+00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FILE NAME = D:\60F12-SHT-DRAIN\PROFILE08.dgn
 USER NAME = TK\uegal
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 2/3/2011

DESIGNED - PKT
 DRAWN - PKT
 CHECKED - CL
 DATE = 2/4/11

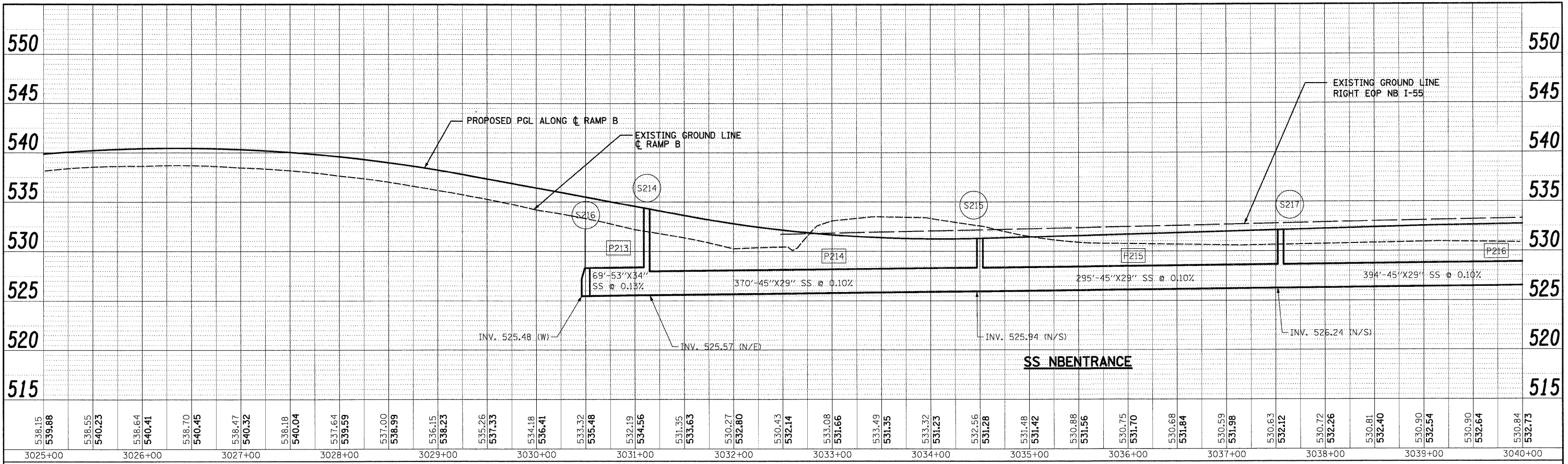
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

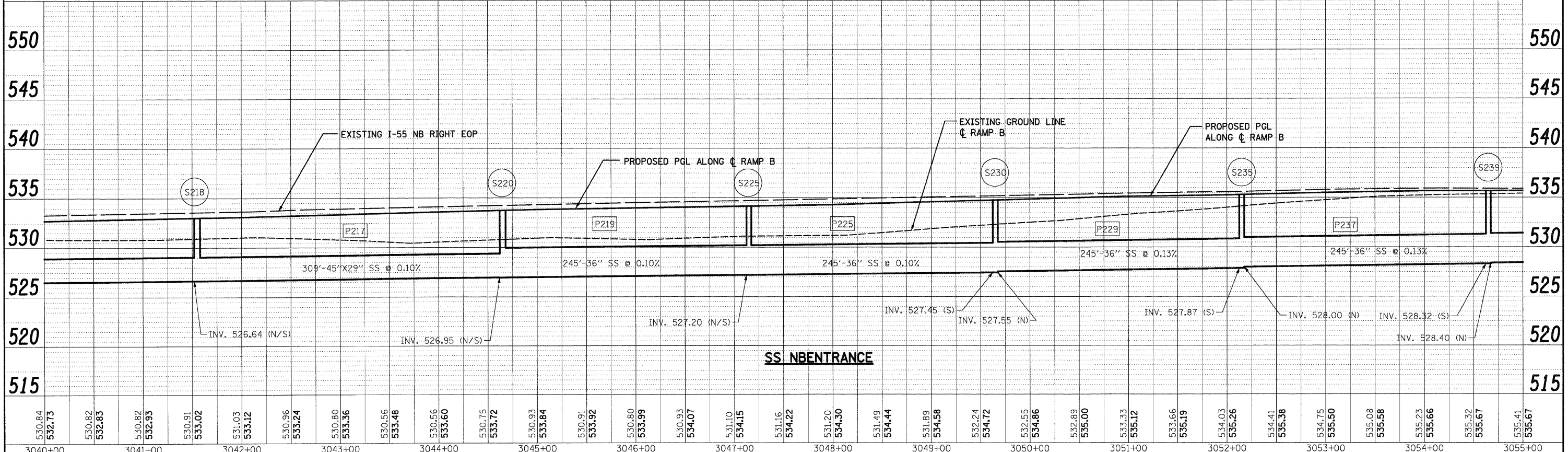
RAMP B DRAINAGE PROFILE
 SCALED"=50'H=1"=5'V SHEET NO. 8 OF 14 SHEETS STA. TO STA.

| | | | | |
|--------------------|---------------------|-------------|---------------------------|---------------|
| F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 197 |
| CONTRACT NO. 60F12 | | | ILLINOIS FED. AID PROJECT | |

PLAN SURVEYED BY DATE
 NOTE BOOK ALIGNED CHECKED
 NO. OF WAY CHECKED
 FILE NAME



PROFILE SURVEYED BY DATE
 NOTE BOOK GRADES CHECKED
 NO. OF STRUCTURE NOTATIONS CHNG



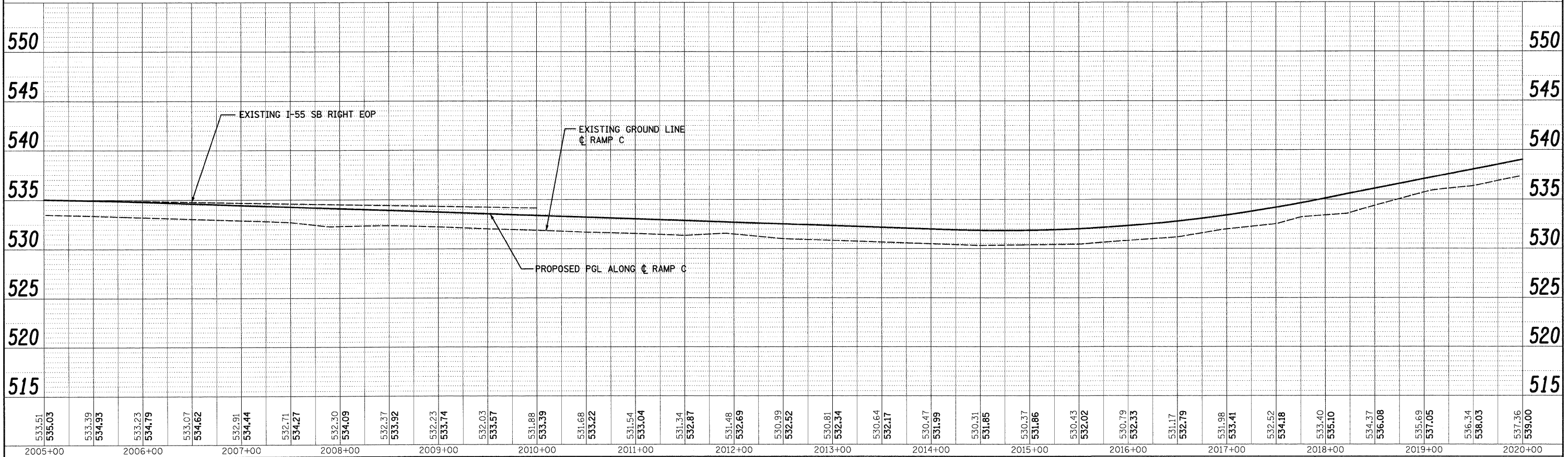
300 W. ADAMS ST.
 CHICAGO, IL 60606
 SINGH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 TEL: (312) 629-0240
 FAX: (312) 629-8449

| | | | | | | | | | | |
|--|----------------------|----------------|-----------|---|--------------------------------|--|---------------------|-------------|------------------|---------------|
| FILE NAME = D:\B0F12-SHT-DRAIN\PROFILE09.dgn | USER NAME = TKLuegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RAMP B DRAINAGE PROFILE | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 198 |
| PLLOT SCALE = 1:50 | CHECKED - CL | REVISED - | REVISED - | | | CONTRACT NO. 60F12 | | | | |
| PLLOT DATE = 2/3/2011 | DATE = 2/4/11 | REVISED - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| | | | | | | SCALE: 1"=50' HORIZ. 1"=5' VERT. SHEET NO. 9 OF 14 SHEETS STA. TO STA. | | | | |

| | | | |
|---------------|-------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| NOTE BOOK NO. | ALIGNMENT CHECKED | | |
| | OF W.A. CHECKED | | |
| | CAAD FILE NAME | | |



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|---------------|--------------------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| NOTE BOOK NO. | GRADES CHECKED | | |
| | BY W.A. CHECKED | | |
| | STRUCTURE NOTATIONS CHFD | | |



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| | | | | | | | | | |
|---|----------------------|----------------|-----------|---|---|---------------------|-------------|------------------|---------------|
| FILE NAME = D:\628F12-SHT-DRAINPROFILE11.dgn | USER NAME = TKluegel | DESIGNED - PKT | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION RAMP C DRAINAGE PROFILE | F.A.I. RTE. 55 | SECTION 99-2HB-2B-1 | COUNTY WILL | TOTAL SHEETS 756 | SHEET NO. 200 |
| PLOT SCALE = 1:50 | CHECKED - CL | REVISED - | REVISED - | | CONTRACT NO. 60F12 | | | | |
| PLOT DATE = 2/3/2011 | DATE - 2/4/11 | REVISED - | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
| SCALE: 1"=50' HORIZ. 1"=5' VERT. SHEET NO. 11 OF 14 SHEETS STA. TO STA. | | | | | | | | | |