

BEGIN IMPROVEMENT  
 STA 1003+65.41 @ I-55 =  
 STA 4993+41.47 @ WEST FRONTAGE RD

NORTH FORK OF GRANT CREEK

FLOODPLAIN

EX. 22.5' WIDE  
 CONC. BRIDGE

REGRADE EXISTING DITCH FROM STA. 4993+41.47 TO STA. 4999+25  
 TO MAINTAIN DRAINAGE WITH VARIED BOTTOM WIDTH AND SIDE SLOPES

24" PIPE CULVERT REMOVAL  
 40 LF (TO BE PAID FOR AS 24"  
 STORM SEWER REMOVAL)

ENDING OF PROPOSED DITCH  
 WFRANSO\_LT AT STA. 4999+25

EX ROW

4995+00

WEST FRONTAGE ROAD

5000+00

EX. 2-13'x6' RCB

30"X19" RCP

30"X19" RCP

SB I-55

24" RCP

@ I-55

999+00 1000+00 1001+00 1002+00 1003+00 1004+00 1005+00 1006+00 1007+00 1008+00 1009+00 1010+00 1011+00 1012+00

NB I-55

ENDING OF PROPOSED DITCH  
 EFRN\_LT STA. 8005+00

7995+00

8000+00

EAST FRONTAGE ROAD

7000+00

REGRADE EXISTING DITCH FROM STA. 8005+00  
 TO STA. 8002+00 AT SLOPE OF 0.3%

EX ROW

EX. 22' WIDE  
 CONC. BRIDGE

REGRADE EXISTING DITCH FROM STA. 7998+25 TO STA. 8005+00  
 TO MAINTAIN DRAINAGE WITH VARIED BOTTOM WIDTH AND SIDE SLOPES

ENDING OF PROPOSED DITCH  
 EFRN\_RT AT STA. 8005+00

NORTH FORK OF GRANT CREEK

FLOODPLAIN

**DRAINAGE LEGEND**

- |  |                             |  |   |
|--|-----------------------------|--|---|
|  | PIPE CULVERT REMOVAL        |  | PROPOSED UNDERDRAIN                     |
|  | EXISTING PIPE CULVERT       |  | PROPOSED PIPE CULVERT                   |
|  | EXISTING STORM SEWER        |  | PROPOSED STORM SEWER                    |
|  | EXISTING MANHOLE            |  | PROPOSED MANHOLE                        |
|  | EXISTING CATCHBASIN         |  | PROPOSED CATCHBASIN                     |
|  | EXISTING DITCH              |  | PROPOSED DITCH                          |
|  | EXISTING SUMMIT             |  | PROPOSED SUMMIT                         |
|  | EXISTING END SECTION        |  | PROPOSED END SECTION                    |
|  | PROPOSED DRAINAGE PIPE      |  | PROPOSED SWALE                          |
|  | PROPOSED DRAINAGE STRUCTURE |  | SHEET FLOW                              |
|  | PROPOSED BOX CULVERT        |  | PROPOSED HEADWALL                       |
|  | WETLAND                     |  | 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    |

BEGIN IMPROVEMENT  
 STA 1004+92.31 @ I-55 =  
 STA 7997+84.25 @ EAST FRONTAGE RD

**NOTES:**

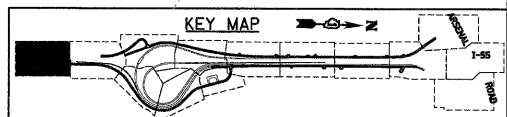
- EXISTING DRAINAGE TO BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION.
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- ALL STATIONS AND OFFSETS ARE OFF OF ROAD AND RAMP BASE LINE OR CENTERLINE UNLESS OTHERWISE NOTED.
- CONNECTION OF EXISTING SEWER TO PROPOSED DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PROPOSED DRAINAGE STRUCTURE. ANY FITTINGS, BENDS AND COLLARS, IF REQUIRED, ARE INCIDENTAL TO THE CONTRACT.
- FOR DRAINAGE STRUCTURE AND PIPE INFORMATION, SEE DRAWINGS DU-16 TO DU-18.
- FOR RIPRAP DETAILS AND SCHEDULE, SEE DRAWINGS DU-21 & DU-22.
- FOR GRADING PLAN SEE GR DRAWINGS.
- 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.
- FOR STORM SEWER AND DITCH PROFILES, SEE DRAWINGS DP-1 TO DP-18.
- ALL PROPOSED STORM SEWERS SHALL BE REINFORCED CONCRETE.
- ALL BOX CULVERTS SHALL BE PRECAST AND END SECTIONS SHALL BE CAST-IN-PLACE.
- 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.
- ELLIPTICAL CULVERT PIPE OF THE REQUIRED SPAN AND RISE TO BE PAID FOR AS PIPE OF EQUIVALENT ROUND SIZE DIAMETER.
- STONE RIPRAP FOR UNDERDRAIN OUTLET SHALL BE PAID FOR AS CLASS A3 RIPRAP WITH 0.67 SQ. YD. FOR EACH OUTLET.
- PROPOSED TEMPORARY CULVERTS TO BE PLUGGED WITH CLASS S1 CONCRETE AND FILLED WITH CLSM AS PER SECTION 550.05 OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR UNDER PAY ITEMS 59300100 AND X0322208 RESPECTIVELY.
- FOR PAVED DITCH TYPE AND LOCATION INFORMATION, SEE DRAWING DU-22.
- FOR PROPOSED PROTECTIVE SLAB LOCATIONS FOR EXISTING PIPELINES SEE DRAWING DU-9.

MATCH LINE SEE SHEET DU-2  
 WEST FRONTAGE RD  
 STA. 5002+10.00

RAMP D STA. 4021+08.63

MATCH LINE SEE SHEET DU-2  
 EAST FRONTAGE RD  
 STA. 8005+50.00

RAMP A STA. 7000+83.85



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		DRAWN - PKT/VP	REVISED -
		CHECKED - CL	REVISED -
		DATE - 12/18/09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE AND UTILITY PLAN**

SCALE: 1"=50' SHEET NO. 1 OF 22 SHEETS STA. TO STA.

F.A.I RTE. 55	SECTION (99-1&2)AC-3	COUNTY WILL	TOTAL SHEETS 524	SHEET NO. 144
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C31	

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