

- 29 STA. 442+50, 65.5' RT. PRC FLAR END SEC 24" INV = 806.25 (24" W)
- 30 STA. 442+60, 90.0' RT. RD MAN 6 DIA T1F CL RESTRICTOR PLATE RIM 1 = 810.00 RIM 2 = 810.00 INV = 803.18 (18" NW) INV = 803.18 (15" SE)
- 31 STA. 442+80, 111.1' RT. PRC FLAR END SEC 15" INV = 803.33 (15" NW)

- 37 STA. 447+95, 66.4' RT. PRC FLAR END SEC 18" INV = 804.50 (18" S)
- 38 STA. 447+95, 101.9' RT. PRC FLAR END SEC 18" INV = 803.49 (18" N)
- 39 STA. 448+00, 66.4' RT. PRC FLAR END SEC 18" INV = 804.50 (18" S)

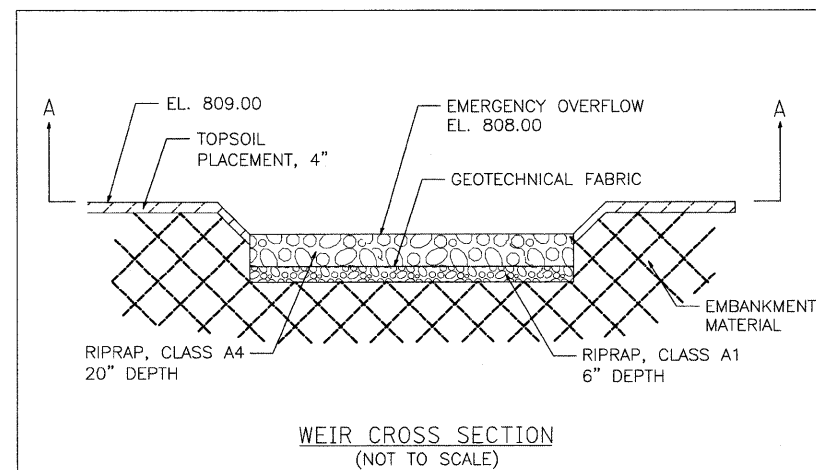
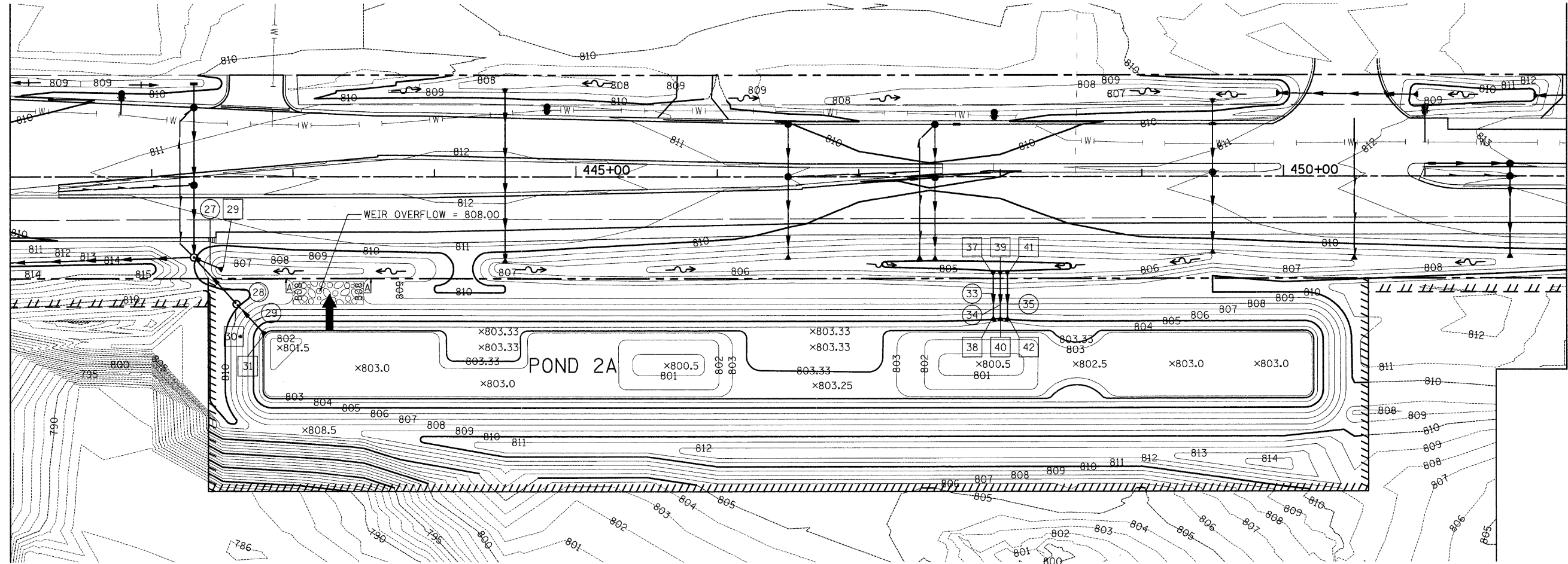
- 40 STA. 448+00, 101.9' RT. PRC FLAR END SEC 18" INV = 803.49 (18" N)
- 41 STA. 448+05, 66.4' RT. PRC FLAR END SEC 18" INV = 804.50 (18" S)
- 42 STA. 448+05, 101.9' RT. PRC FLAR END SEC 18" INV = 803.49 (18" N)

### POND 2A DATA

NORMAL WATER ELEVATION = 803.33  
 100 YEAR HIGH WATER ELEVATION = 806.50  
 EMERGENCY OVERFLOW ELEVATION = 808.00  
 100 YEAR RELEASE RATE = 0.76 CFS  
 MAXIMUM ALLOWABLE RELEASE RATE = 0.91 CFS  
 100 YEAR VOLUME REQUIRED = 3.47 AC-FT  
 MAXIMUM STORAGE OF POND = 6.46 AC-FT

- 27 13' - STORM SEW CL A 1, 24" @ 1.50% T.B.F. = 0.0 CU. YD.
- 28 39' - STORM SEW CL A 2, 18" @ 0.30% T.B.F. = 0.0 CU. YD.
- 29 21' - STORM SEW CL A 2, 15" @ 0.50% T.B.F. = 0.0 CU. YD.

- 33 24' - P CUL CL A 2, 18" @ 2.00% T.B.F. = 0.0 CU. YD.
- 34 24' - P CUL CL A 2, 18" @ 2.00% T.B.F. = 0.0 CU. YD.
- 35 24' - P CUL CL A 2, 18" @ 2.00% T.B.F. = 0.0 CU. YD.



#### NOTES

- \* FOR STRUCTURE 30, SEE MANHOLE WITH RESTRICTOR PLATE DETAIL ON SHEET 72.
- EMBANKMENT MATERIAL USED FOR THE CONSTRUCTION OF POND 2A SHALL BE CLAY MATERIAL ONLY AS APPROVED BY THE ENGINEER TO PREVENT EXCESSIVE PERMEATION OF WATER.

FILE NAME =	USER NAME = eds	DESIGNED - MJP	REVISED -	<b>KANE COUNTY DIVISION OF TRANSPORTATION</b>	<b>STORM WATER MANAGEMENT - STEARNS ROAD</b>	F.A. RTE. 361	SECTION 06-00214-25-BR	COUNTY KANE	TOTAL SHEETS 220	SHEET NO. 71
	PLOT SCALE = 48.0000' / IN.	DRAWN - MJP	REVISED -							
	PLOT DATE = 3/30/2009	CHECKED - DNM	REVISED -							
		DATE - 3/30/09	REVISED -		SCALE: 1" = 40'	SHEET NO. 9 OF 14 SHEETS	STA. 441+00 TO STA. 452+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63076