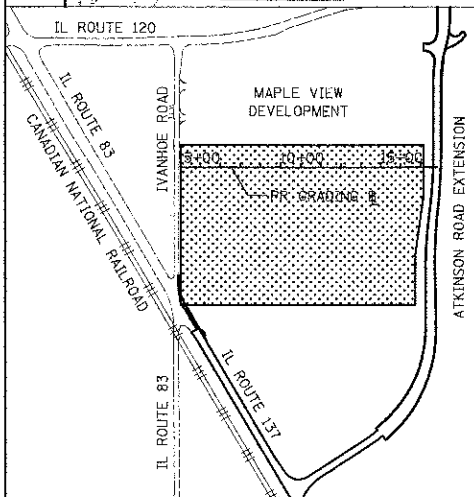


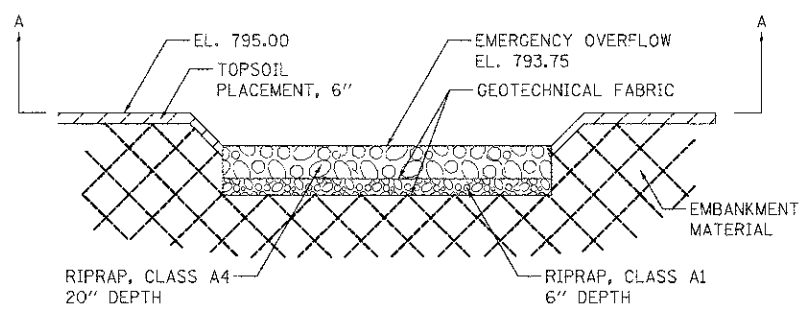
MATCH LINE STA. 17+15
(SEE SHEET NO. 65)

KEY MAP



Pond Elevation (FT)	Pond Area (ACRES)	Storage Volume (AC-FT)	Discharge Orifice 01 (CFS)	Discharge Orifice 02 (CFS)	Total Discharge (CFS)	Storm Event
786.00	0.07121	0	0	0	0	
786.50	0.19358	0.064	0	0	0	
787.00	0.37590	0.204	0	0	0	
787.50	0.52455	0.428	0	0	0	
788.00	0.69793	0.732	0	0	0	NWL
788.50	0.73728	1.091	0.49	0	0.49	
789.00	0.77771	1.470	0.96	0	0.96	
789.50	0.81823	1.869	1.25	0	1.25	
790.00	0.85978	2.288	1.48	0	1.48	
790.50	0.90149	2.728	1.68	0	1.68	
790.52	0.90366	2.761	1.69	0	1.69	2-YEAR
791.00	0.94417	3.190	1.86	0.69	2.55	
791.50	0.98705	3.673	2.03	3.24	5.27	
792.00	1.03088	4.177	2.18	7.14	9.32	
792.50	1.07493	4.703	2.32	11.65	13.97	
793.00	1.11988	5.252	2.45	14.18	16.63	
793.30	1.14728	5.597	2.53	15.50	18.03	100-YEAR
793.50	1.16509	5.823	2.58	16.32	18.90	
794.00	1.21120	6.417	2.70	18.22	20.92	
794.50	1.25756	7.034	2.81	19.93	22.74	
795.00	1.30482	7.675	2.93	21.51	24.44	

- 77 STA. 9+17.3, 0.0' LT. PRC FLAR END SEC 42" INV = 790.30 (42" W)
- 78 STA. 8+69, 0.0' LT. PRC FLAR END SEC 42" INV = 789.87 (42" E)
- 79 STA. 5+61.3, 12.2' LT. PRC FLAR END SEC 36" INV = 788.00 (36" NW)
- 80 STA. 5+23.2, 50.4' LT. MH 7A 6D W/2 TIFCL RESTRICTOR PLATE RIM 1 & 2 = 796.00 INV = 787.48 (36" SE) INV = 788.00 (36" N)
- 81 STA. 5+23.2, 93.8' LT. EXISTING BOX INLET EX RIM = 791.90 EX INV = 787.80 (EX 12" E) EX INV = 787.80 (EX 36" N) PR INV = 787.80 (36" S)
- 68 32' - P CUL CL A 1, 42" @ 0.90% T.B.F. = 0.0 CU. YD.
- 70 39' - STORM SEW CL A 2, 36" @ 0.50% T.B.F. = 0.0 CU. YD.
- 69 44' - STORM SEW CL A 2, 36" @ 1.00% T.B.F. = 0.0 CU. YD.
- NOTES**
- FOR STRUCTURE 80, SEE MANHOLE WITH RESTRICTOR PLATE DETAIL ON SHEET 131.
 - EMBANKMENT MATERIAL USED FOR THE CONSTRUCTION OF THE POND SHALL BE CLAY MATERIAL ONLY AS APPROVED BY THE ENGINEER TO PREVENT EXCESSIVE PERMEATION OF WATER.
 - THE STATION AND OFFSET CALL-OUT FOR FLARED END SECTIONS IS MEASURED FROM THE TOE.
 - WORK ON ALL IDENTIFIED DRAIN TILES SHALL BE COORDINATED WITH THE LCSMC FIELD REPRESENTATIVE.
 - ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO THE LCSMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF COVER.



WEIR CROSS SECTION
(NOT TO SCALE)



USFR NAME = eds	DESIGNED - MJP	REVISED -
FILE NAME = ... \2189-sht-chain14.dgn	DRAWN - MJP	REVISED -
PLT SCALE = 48.0000' / 1"	CHECKED - DNM	REVISED -
PLT DATE = 2/2/2012	DATE = 02/06/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ATKINSON ROAD
STORM WATER MANAGEMENT PLAN

SCALE: 1" = 40' SHEET NO. 14 OF 15 SHEETS STA. 5+00 TO STA. 17+15

F.A.U. RTE. 198	SECTION 00-00045-00-PV	COUNTY LAKE	TOTAL SHEETS 195	SHEET NO. 75
CONTRACT NO. 63640				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				