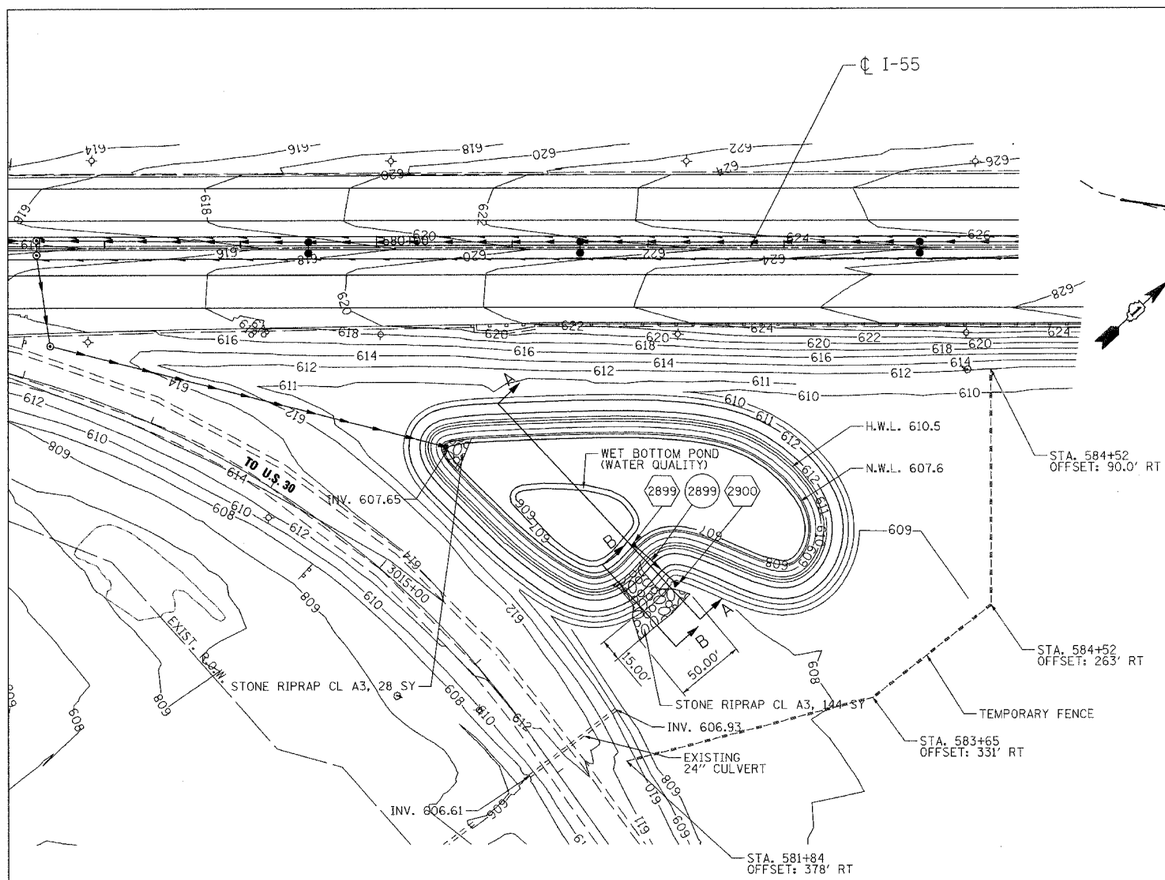
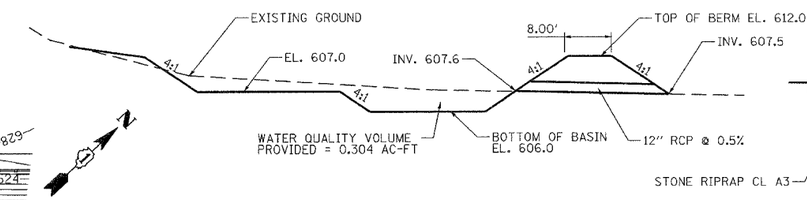
CONTRACT NO. 60B86

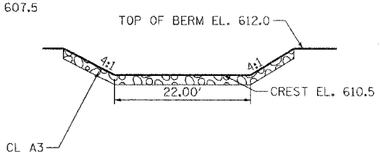
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2006-032 BY	WILL	505	175
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



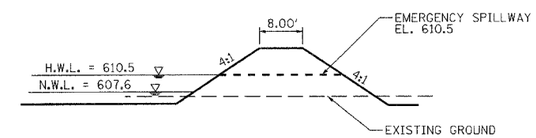
DETENTION BASIN



SECTION A-A
NOT TO SCALE



ELEVATION
DETAIL OF EMERGENCY SPILLWAY
NOT TO SCALE



SECTION B-B
NOT TO SCALE

DETENTION BASIN - I INFORMATION
100-YEAR
DETENTION VOLUME REQUIRED = 1.444 AC-FT
DETENTION VOLUME PROVIDED = 1.584 AC-FT
HIGH WATER ELEVATION = 610.5
RELEASE RATE = 2.57 CFS
WATER QUALITY VOLUME REQUIRED = 0.179 AC-FT
WATER QUALITY VOLUME PROVIDED = 0.304 AC-FT

NOTES
1. FOR STRUCTURE AND PIPE INFORMATION SEE DRAINAGE SCHEDULES.

STATION	BASIN CONTOUR OFFSET AT ELEVATION					
	612.0	607.0	606.0	606.0	607.0	612.0
580+32	144.8	--	--	--	--	144.8
580+40	131.0	--	--	--	--	167.8
580+50	126.6	--	--	--	--	179.1
580+60	124.8	144.9	--	--	160.1	189.1
580+70	123.8	143.9	--	--	170.8	199.0
580+80	123.2	143.2	--	--	180.8	208.8
580+90	122.7	142.8	--	--	190.6	218.2
581+00	122.3	142.3	--	--	200.2	227.0
581+10	121.9	142.0	191.1	191.1	20.9.2	235.2
581+20	121.6	141.6	183.9	207.6	217.6	242.6
581+30	121.2	121.2	181.1	217.3	225.1	249.2
581+40	120.9	140.9	180.0	225.1	231.9	254.7
581+50	120.7	140.7	180.9	230.8	237.2	258.4
581+60	120.4	140.5	186.1	233.2	239.8	259.8
581+70	120.3	140.3	196.9	229.3	237.1	258.5
581+80	120.3	140.3	218.5	218.5	229.1	254.5

STATION	BASIN CONTOUR OFFSET AT ELEVATION					
	612.0	607.0	606.0	606.0	607.0	612.0
581+90	120.4	140.4	--	--	218.2	247.3
582+00	120.6	140.6	--	--	210.4	236.7
582+10	121.0	141.0	--	--	206.3	227.8
582+20	121.5	141.6	--	--	205.2	225.2
582+30	122.5	142.6	--	--	206.4	226.9
582+40	123.8	144.0	--	--	209.1	230.3
582+50	125.6	146.0	--	--	212.7	234.4
582+60	128.0	148.9	--	--	216.9	238.8
582+70	131.2	152.8	--	--	221.4	243.2
582+80	135.4	158.4	--	--	225.6	246.9
582+90	141.0	165.6	--	--	229.1	249.6
583+00	148.0	175.1	--	--	230.5	250.5
583+10	156.6	188.6	--	--	224.2	248.7
583+20	167.7	--	--	--	--	242.7
583+30	183.7	--	--	--	--	229.7
583+35	204.9	--	--	--	--	204.9

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55
US 30 (PLAINFIELD ROAD) TO LILY CACHE SLOUGH

DRAINAGE DETAILS
DETENTION BASIN

SCALE:
DRAWN BY MRK
DATE 07/05/06
CHECKED BY TKL

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

..\LP01A001.DGN, ..\AL191A001.DGN, ..\VR10A003.DGN, ..\TR191A001.DGN, ..\PL101A001.DGN, ..\DU101A001.DGN, ..\UT191A001.DGN, ..\CR191A001.DGN
6-29-2006, 15:03:47 GARCIA2Z S:\DOCUMENT\02361501\FHWA\CONTRACT\