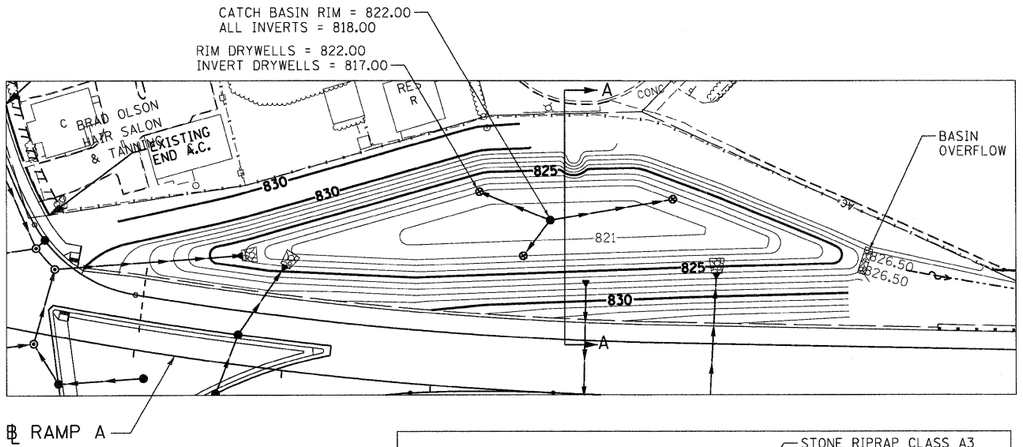
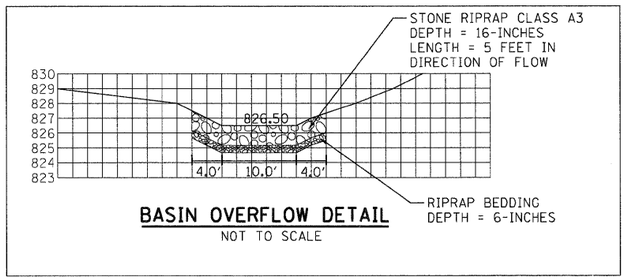
DETENTION BASIN 1

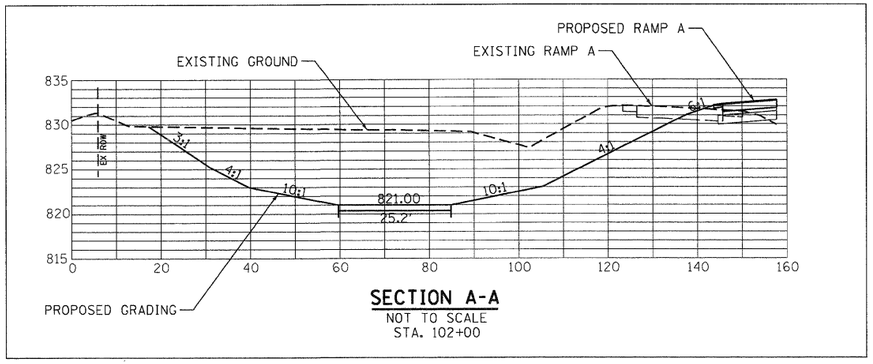




BASIN OVERFLOW DETAIL
NOT TO SCALE

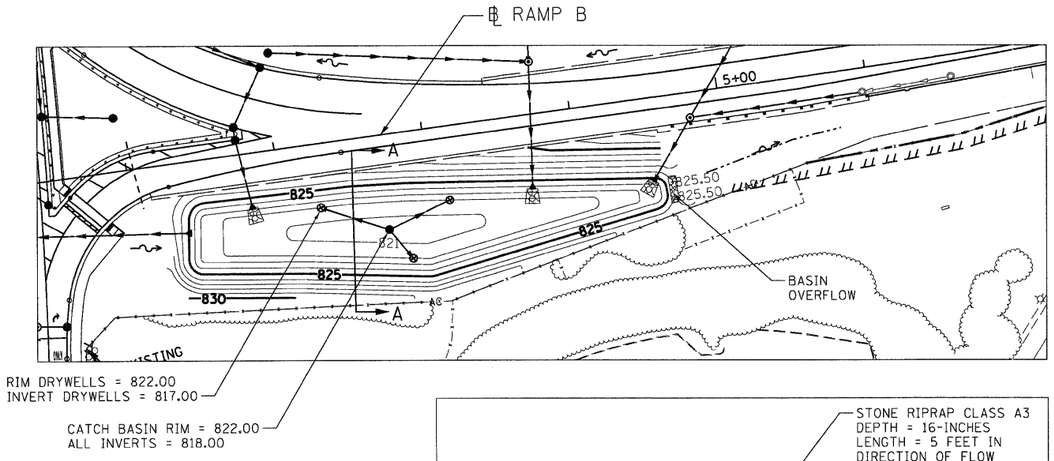
DETENTION BASIN 1 INFORMATION

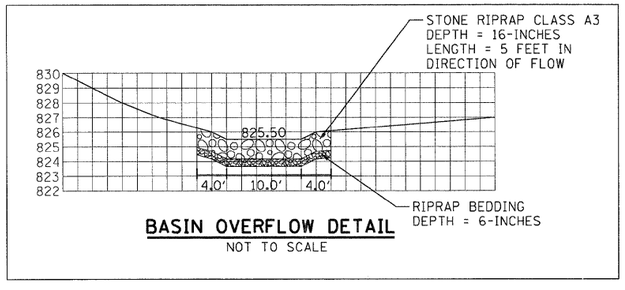
100-YEAR DETENTION VOLUME REQUIRED = 0.73 AC-FT
DETENTION VOLUME PROVIDED = 0.88 AC-FT
100-YEAR, 24-HOUR HIGH WATER ELEVATION = 824.33
OVERFLOW ELEVATION = 826.50



SECTION A-A
NOT TO SCALE
STA. 102+00

DETENTION BASIN 2

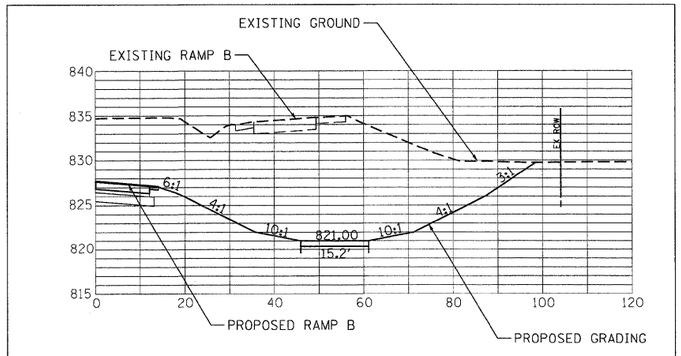




BASIN OVERFLOW DETAIL
NOT TO SCALE

DETENTION BASIN 2 INFORMATION

100-YEAR DETENTION VOLUME REQUIRED = 0.46 AC-FT
DETENTION VOLUME PROVIDED = 0.56 AC-FT
100-YEAR, 24-HOUR HIGH WATER ELEVATION = 823.19
OVERFLOW ELEVATION = 825.50



SECTION A-A
NOT TO SCALE
STA. 101+00

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - SLH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION FAP ROUTE 345 / US ROUTE 20	DRAINAGE DETAILS – I DETENTION BASINS U.S. ROUTE 20	F.A.P RTE. 345	SECTION 8R-R	COUNTY KANE	TOTAL SHEETS 794	SHEET NO. 281
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	DRAWN - JFS	REVISED -			CONTRACT NO. 60H45				
	PLOT DATE = $DATE$	CHECKED - TKL	REVISED -		SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		DATE - 12/16/11	REVISED -							