

DRAINAGE DETAILS

NOTES:
INLET SPECIAL NO. 5 OFFSETS
ARE MEASURED TO TOP BACK OF CURB.

INLET T9 F&G & INLET, SPECIAL OFFSETS
ARE MEASURED TO WEIR LOCATION.

FLOW LINE OFFSET IS MEASURED AT END
OF FES. PIPE LENGTH IS MEASURED 6'
LESS THAN FES OFFSET.

REMOVAL OF EXISTING STRUCTURES NO. 1

REMOVAL OF EXISTING STRUCTURES NO. 1

STA. 702+00, 22.67' LT
INLET SPECIAL NO. 6
WEIR ELEV. = 679.74
STA. 701+00, 22.67' LT
INLET SPECIAL NO. 6
WEIR ELEV. = 679.76

STA. 703+00, 22.67' LT
INLET SPECIAL NO. 6
WEIR ELEV. = 679.73

STA. 704+00, 22.67' LT
INLET SPECIAL NO. 6
WEIR ELEV. = 679.71

REMOVAL OF EXISTING
STRUCTURES NO. 1

STA. 693+50, 22.67' LT
INLET SPECIAL NO. 5
WEIR ELEV. = 679.13

STA. 695+50, 22.67' LT
INLET SPECIAL NO. 5
WEIR ELEV. = 679.09

STA. 697+00, 22.67' LT
INLET SPECIAL NO. 5
WEIR ELEV. = 679.28

STA. 700+00, 22.67' LT
INLET SPECIAL NO. 5
WEIR ELEV. = 679.78

STA. 699+00, 22.67' LT
INLET SPECIAL NO. 5
WEIR ELEV. = 679.80

REMOVAL OF EXISTING
STRUCTURES NO. 1

STA. 693+50
56' - SS, CLA, T1, 15"
22.67' LT - 33.0' RT
℄ 675.85 - 675.46 @ 0.70%

STA. 695+50
57' - SS, CLA, T1, 12"
22.67' LT - 33.8' RT
℄ 676.08 - 675.11 @ 1.70%

STA. 699+00
54' - SS, CLA, T1, 12"
22.67' LT - 30.9' RT
℄ 676.00 - 675.78 @ 0.40%

STA. 700+00
54' - SS, CLA, T1, 12"
22.67' LT - 30.9' RT
℄ 676.00 - 675.73 @ 0.50%

STA. 701+00
54' - SS, CLA, T1, 12"
22.67' LT - 31.0' RT
℄ 676.30 - 675.71 @ 1.10%

STA. 702+00
54' - SS, CLA, T1, 12"
22.67' LT - 30.9' RT
℄ 676.25 - 675.71 @ 1.00%

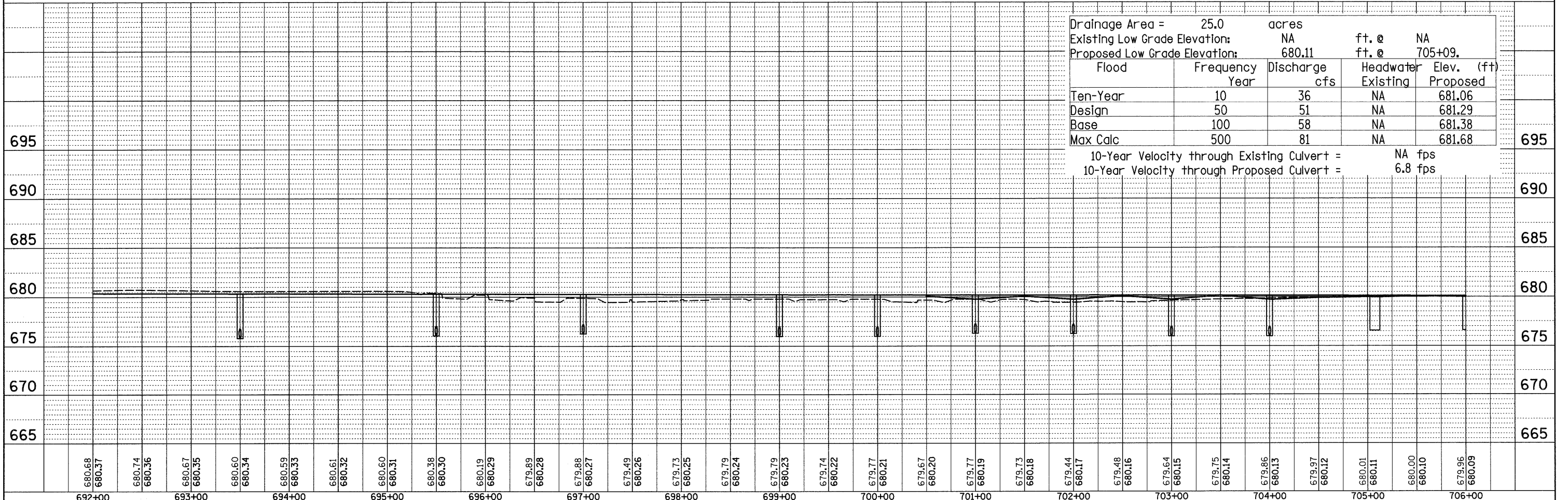
STA. 703+00
54' - SS, CLA, T1, 12"
22.67' LT - 30.7' RT
℄ 676.00 - 675.78 @ 0.40%

STA. 705+09
64' PIPE CULVERTS, CLA, T2, 48"
29' LT - 35' RT
℄ 674.04 - 673.57
1 EA. DROP BOX NO. 1

STA. 704+00
54' - SS, CLA, T1, 12"
22.67' LT - 30.7' RT
℄ 676.00 - 675.78 @ 0.40%

Drainage Area =		25.0		acres	
Existing Low Grade Elevation:		NA		ft. @ NA	
Proposed Low Grade Elevation:		680.11		ft. @ 705+09.	
Flood	Frequency	Discharge	Headwater	Elev. (ft)	
	Year	cfs	Existing	Proposed	
Ten-Year	10	36	NA	681.06	
Design	50	51	NA	681.29	
Base	100	58	NA	681.38	
Max Calc	500	81	NA	681.68	

10-Year Velocity through Existing Culvert = NA fps
10-Year Velocity through Proposed Culvert = 6.8 fps



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PI\DOT\GRANTPM\dms31213\d06608dr-1.dgn		DRAWN -	REVISED -			742	37R-4	OGLE	867	324
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64E17				
PLOT DATE = Tue Mar 30 10:36:53 2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	PLOTTED	CHECKED	DATE
NO.	NO.	NO.	NO.	

PROFILE	SURVEYED	PLOTTED	CHECKED	DATE
NO.	NO.	NO.	NO.	