C-3
17'-15" RCCP RG TY 2 @ 10.00%

C-4
3'-12" PVC @ 1.00%

C-5
11'-12" PVC @ 0.50%

C-6
11'-12" PVC @ 0.50%

C-7
26'-12" PVC @ 1.00%

C-8
11'-12" PVC @ 0.50%

C-9
11'-12" PVC @ 0.50%

C-13
5'-12" PVC @ 1.00%

C-14
32'-12" PVC @ 1.00%

C-15
40'-15" RCCP RG TY 2 @ 1.10%

C-34
54'-15" RCCP RG TY 2 @ 1.00%

NOTE:
SEE BRIDGE PLANS FOR DECK DRAINAGE DETAILS

PR ROW

PR ℄ RED GATE ROAD

PR ROW

MATCH LINE STA. 116+00.00

MATCH LINE STA. 122+00.00

116 117 118 119 120+00 121

N

0' 10' 20' 40'
SCALE: 1"= 20'

C-3
MH TY A STC 4' DIA W/ T1F&LCL
STA 121+77.00, 22.0' RT
INV EL W 712.31
INV EL NW 711.97
INV EL E 711.57
INV EL S 709.68
RIM EL 718.20

C-4
CB TA STC 4' DIA W/ T24F&G
STA 121+74.63, 15.0' RT
INV EL E, W 712.35
INV EL N,SE 712.00
RIM EL 718.47

C-5
CB TA STC 4' DIA W/ T24F&G
STA 121+59.63, 15.0' RT
INV EL E 712.40
RIM EL 718.49

C-6
CB TA STC 4' DIA W/ T24F&G
STA 121+89.63, 15.0' RT
INV EL W 712.40
RIM EL 718.49

C-7
CB TA STC 4' DIA W/ T24F&G
STA 121+74.63, 15.0' LT
INV EL E, W 712.34
INV EL S 712.28
RIM EL 718.47

C-8
CB TA STC 4' DIA W/ T24F&G
STA 121+59.63, 15.0' LT
INV EL E 712.40
RIM EL 718.49

C-9
CB TA STC 4' DIA W/ T24F&G
STA 121+89.63, 15.0' LT
INV EL W 712.40
RIM EL 718.49

C-10
18" FES
STA 121+88.00, 98.0' RT
INV EL N 700.00

C-13
CB TA STC 4' DIA W/ T24F&G
STA 121+38.00, 13.0' RT
INV EL SW 713.80
RIM EL 719.00

C-14
CB TA STC 4' DIA W/ T24F&G
STA 121+22.00, 15.0' LT
INV EL S 714.40
RIM EL 720.25

C-15
MH TY A STC 4' DIA W/ TIF&LCL
STA 121+32.00, 20.0' RT
INV EL NE 713.75
INV EL N 714.08
INV EL E 712.75
RIM EL 719.00

C-34
MH TY A STC 4' DIA W/ TIF&LCL
STA 121+80.00, 43.0' RT
INV EL N 708.00
INV EL S 700.54
INV EL W *
RIM EL 712.00

* **NOTE:**
SEE STRUCTURAL PLANS FOR CONNECTION DETAIL OF BRIDGE DRAINAGE TO STRUCTURE C-34

ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)

PLAN
SURVEYED — DATE
SURVEYED — BY
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK — ESM. NOTED
NO. — PLS/LSPE NOTATNS CHKD
CADD FILE NAME

PROFILE
SURVEYED — DATE
SURVEYED — BY
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK — ESM. NOTED
NO. — PLS/LSPE NOTATNS CHKD

PR PROF GRADE LINE

EX GND AT PR ℄ RED GATE RD

C-15

C-3

40'-15" RCCP RG TY 2 @ 1.10%

INV EL 712.75
INV EL 712.31
INV EL 709.68
INV EL 711.57

725 720 715 710 705 700 695 690 685

116+00	116+50	117+00	117+50	118+00	118+50	119+00	119+50	120+00	120+50	121+00	121+50	122+00
724.45	688.52	688.89 723.92	688.62	688.39 723.39	688.22	688.01 722.85	688.15	689.67 722.32	688.78	688.69 721.79	688.78	688.94 721.26	689.35	690.38 720.72	690.93	692.37 720.19	694.09	697.53 719.66	708.01	717.00 719.13	717.00	716.71 718.77	716.24	717.08 718.78

PLOT SCALE: 1:20
X:\1920085\1B0912\Local Workspace\Plot\DRV\Dgn\PDFV8 FULL SIZE.plt
X:\1920085\1B0912\Local Workspace\Plot\DRV\TITLEBLCK.tbl

FILE NAME = ...\prpln-ABC-sht-RedGate-drn-plnprf-05.dgn	DESIGNED - MAC	REVISED -	
USER NAME = tblank	DRAWN - TMB	REVISED -	
PLOT DATE = 11/29/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

benesch engineers · scientists · planners

CITY OF ST. CHARLES

DRAINAGE AND UTILITY PLAN AND PROFILE
RED GATE ROAD

SCALE: 1"=20' | SHEET NO. 5 OF 19 SHEETS | STA. 116+00.00 TO STA. 122+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	129
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		