D-9
MH TY A STC 4' DIA W/ T1F&LCL
STA 105+00.00, 27.5' LT
INV EL NW 734.10
INV EL SW 731.78
INV EL SE 730.49
RIM EL 740.18

D-7
MH TY A STC 4' DIA W/ T1F&LCL
STA 106+00.00, 24.5' LT
INV EL NW 730.00
INV EL SW 729.59
INV EL SE 728.43
RIM EL 736.78

D-3
MH TY A STC 4' DIA W/ T1F&LCL
STA 107+00.00, 26.0' LT
INV EL NW 727.95
INV EL SW 727.30
INV EL SE 727.20
RIM EL 733.50

D-1
MH TY A STC 4' DIA W/ T1F&LCL
STA 108+00.00, 23.0' LT
INV EL NW 726.72
INV EL SW 726.67
INV EL SE 725.18
INV EL NE 725.00
RIM EL 732.50

D-19
MH TY A STC 4' DIA W/ T1F&LCL
STA 108+92.00, 23.0' LT
INV EL S,NW 725.60
RIM EL 731.96

D-1
19'-18" RCCP RG TY 2 @ 0.50%

D-3
96'-15" RCCP RG TY 2 @ 0.50%

D-7
96'-15" RCCP RG TY 2 @ 0.50%

D-2
3'-12" PVC @ 0.62%

D-4
4'-12" PVC @ 0.50%

D-5
32'-12" PVC @ 0.50%

D-6
32'-12" PVC @ 0.50%

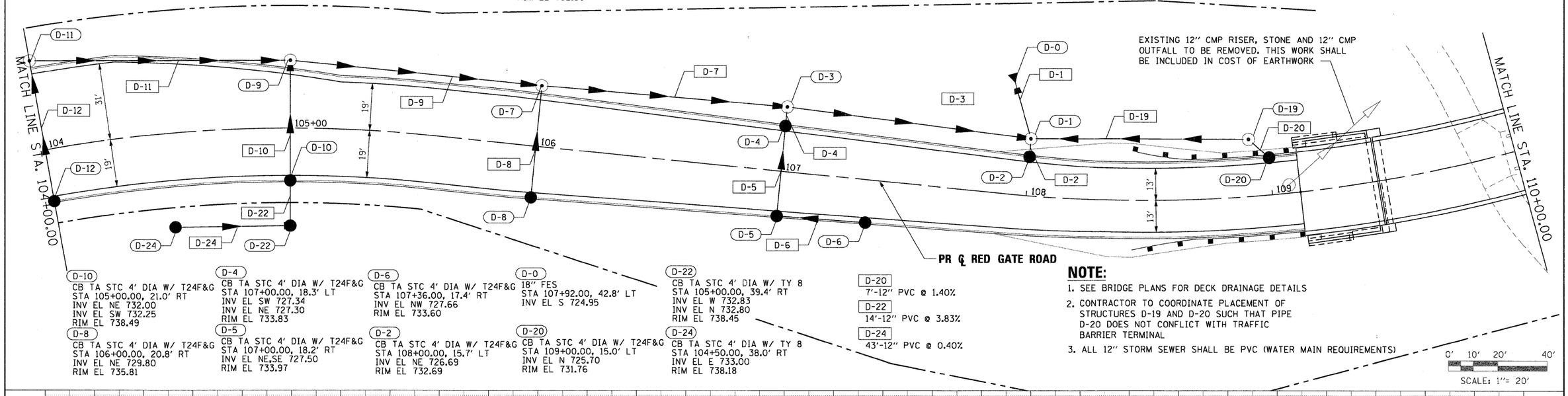
D-8
41'-12" PVC @ 0.50%

D-9
99'-12" PVC @ 0.50%

D-10
45'-15" RCCP RG TY 2 @ 0.50%

D-11
102'-12" PVC @ 0.59%

D-19
84'-12" PVC @ 0.50%



D-10
CB TA STC 4' DIA W/ T24F&G
STA 105+00.00, 21.0' RT
INV EL NE 732.00
INV EL SW 732.25
RIM EL 738.49

D-8
CB TA STC 4' DIA W/ T24F&G
STA 106+00.00, 20.8' RT
INV EL NE 729.80
RIM EL 735.81

D-4
CB TA STC 4' DIA W/ T24F&G
STA 107+00.00, 18.3' LT
INV EL SW 727.34
INV EL NE 727.30
RIM EL 733.83

D-5
CB TA STC 4' DIA W/ T24F&G
STA 107+00.00, 18.2' RT
INV EL NE,SE 727.50
RIM EL 733.97

D-6
CB TA STC 4' DIA W/ T24F&G
STA 107+36.00, 17.4' RT
INV EL NW 727.66
RIM EL 733.60

D-2
CB TA STC 4' DIA W/ T24F&G
STA 108+00.00, 15.7' LT
INV EL NE 726.69
RIM EL 732.69

D-0
18" FES
STA 107+92.00, 42.8' LT
INV EL S 724.95

D-20
CB TA STC 4' DIA W/ T24F&G
STA 109+00.00, 15.0' LT
INV EL N 725.70
RIM EL 731.76

D-22
CB TA STC 4' DIA W/ TY 8
STA 105+00.00, 39.4' RT
INV EL W 732.83
INV EL N 732.80
RIM EL 738.45

D-24
CB TA STC 4' DIA W/ TY 8
STA 104+50.00, 38.0' RT
INV EL E 733.00
RIM EL 738.18

D-20
7'-12" PVC @ 1.40%

D-22
14'-12" PVC @ 3.83%

D-24
43'-12" PVC @ 0.40%

NOTE:

1. SEE BRIDGE PLANS FOR DECK DRAINAGE DETAILS
2. CONTRACTOR TO COORDINATE PLACEMENT OF STRUCTURES D-19 AND D-20 SUCH THAT PIPE D-20 DOES NOT CONFLICT WITH TRAFFIC BARRIER TERMINAL
3. ALL 12" STORM SEWER SHALL BE PVC (WATER MAIN REQUIREMENTS)

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

FILE NAME = ...\prpln-ABC-sht-RedGate-drn-plnprf-03.dgn	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = tblank	CHECKED - RMT	REVISED -	
PLOT DATE = 11/29/2011	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. 3 OF 19 SHEETS | STA. 104+00.00 TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	127

CONTRACT NO. 63650
ILLINOIS FED. AID PROJECT

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | NOTE BOOK | CADD FILE NAME | NO. | BY | DATE

PROFILE | SURVEYED | DRAWN | GRADES CHECKED | NOTE BOOK | BM: NO TP | PVI&CURVE NOTATIONS CHKD | NO. | BY | DATE

PLOT SCALE=1:20
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