

**DRAINAGE STRUCTURES
CONST. PLAN 5**

STRUCTURE NO.	CONSTRUCTION & STATION	COMMENTS
CB209	5+015.0, LT SMITH ST	PRCCB W/D GRATE, 6" SUMP
CB210	5+015.0, RT SMITH ST	PRCCB W/D GRATE, 6" SUMP
CB224	19+231.0, LT	1.5 ID PRCCB W/E GRATE, 6" SUMP
CB225	19+210.0, LT	PRCCB W/E GRATE, 6" SUMP
CB227	19+215.0, RT	PRCCB W/E GRATE, 6" SUMP
CB228	4+015.0, LT PEACHAM	PRCCB W/D GRATE, 6" SUMP
CB228A	19+197.0, RT	PRCCB W/E GRATE, 6" SUMP
CB229	4+023.0, RT PEACHAM	PRCCB W/D GRATE, 6" SUMP
CB232	19+159.0, RT	PRCCB W/E GRATE, 6" SUMP
CB232A	19+136.0, RT	PRCCB W/E GRATE, 6" SUMP
CB234	19+163.0, LT	PRCCB W/E GRATE, 6" SUMP
CB234A	19+185.7, LT	PRCCB W/E GRATE, 6" SUMP
CB235	19+147.5, LT	PRCCB W/E GRATE, 6" SUMP
CB236	2+015.0, LT	PRCCB W/D GRATE, 6" SUMP
CB237	2+015.0, RT	PRCCB W/D GRATE, 6" SUMP
CB238	19+113.0, RT	PRCCB W/E GRATE, 6" SUMP
CB239	19+113.0, LT	PRCCB W/E GRATE, 6" SUMP
CB240A	19+085.0, RT	PRCCB W/D GRATE, NO SUMP
CB240B	19+085.0, RT.	PRCCB W/E GRATE, 6" SUMP

**DRAINAGE NOTES
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- (209) CONST. @ 5+015.0 LT. TO 19+231.0 LT.
NEW 450 mm x 18.3m PIPE OPTION 2
- (210) CONST. @ 5+015.0 RT. TO LT.
NEW 450mm x 4.3m PIPE OPTION 2
- (224) CONST. @ 19+231.0 TO 19+285.0 LT.
NEW 750mm x 52.5m PIPE OPTION 2
- (225) CONST. @ 19+210.0 TO 19+231.0 LT.
NEW 600mm x 19.5m PIPE OPTION 1
- (227) CONST. @ 19+215.0 TO 5+015.0 RT.
NEW 450mm x 8.0m PIPE OPTION 2
- (228) CONST. @ 4+015.0 LT. TO 19+197.0 RT.
NEW 450mm x 12.0m PIPE OPTION 2
- (228A) CONST. @ 19+197.0 TO 19+215.0 RT.
NEW 450mm x 17.5m PIPE OPTION 1
- (229) CONST. @ 4+023.0 RT. TO 4+015.0 LT.
NEW 450mm x 15.0m PIPE OPTION 2
- (230) CONST. @ 4+023.0 RT TO 4+040.0 RT
NEW 450mm x 15.8m PIPE OPTION 3
- (232) CONST. @ 19+159.0 RT. TO 4+023.0 RT.
NEW 450mm x 17.8m PIPE OPTION 1
- (232A) CONST. @ 19+136.0 TO 19+159.0 RT.
NEW 450mm x 22.5m PIPE OPTION 1
- (233) CONST. @ 19+185.7 LT. TO 19+210.0 LT.
NEW 600mm x 22.8m PIPE OPTION 1
- (234) CONST. @ 19+163.0 LT. TO 19+185.7 LT.
NEW 600mm x 21.1m PIPE OPTION 1
- (235) CONST. @ 19+147.5 TO 19+163.0 LT.
NEW 600mm x 14.2m PIPE OPTION 1
- (236) CONST. @ 2+015.0 LT. TO 19+136.0 RT.
NEW 450mm x 7.7m PIPE OPTION 3
- (237) CONST. @ 2+015.0 RT. TO LT.
NEW 450mm x 6.4m PIPE OPTION 2
- (238) CONST. @ 19+113.0 RT. TO 19+113.0 RT.
NEW 450mm x 10.8m PIPE OPTION 3
- (239) CONST. @ 19+085.0 LT. TO 19+113.0, LT
NEW 600mm x 26.4m PIPE OPTION 1
- (239A) CONST. @ 19+113.0 LT. TO 19+147.5, LT.
NEW 600mm x 32.8m PIPE OPTION 1
- (240) CONST. @ 19+085.0 RT. TO LT.
NEW 450mm x 8.9m PIPE OPTION 2
- (EX407) CONST. @ 19+123.5 LT. TO 19+170.5 RT.
REMOVE EXISTING 460 mm CGMP & INLET STRUCTURE
- (EX408) CONST. @ 19+170.5 RT. TO 19+221.9 RT
REMOVE EXISTING 460 mm CGMP & INLET STRUCTURE
- (EX409) CONST. @ 19+221.0 RT.
REMOVE INLET STRUCTURE
- (EX410) CONST. @ 19+222.7 RT. TO 19+221.0 RT
REMOVE EXISTING 460 mm CGMP & INLET STRUCTURE
- (EX411) CONST. @ 19+230.0 TO 19+301.3 RT.
REMOVE EXISTING 310 mm CGMP & INLET STRUCTURE
- (DC) CONST. @ 19+197.2 TO 19+197.0 RT.
NEW 100mm x 7.0m PVC
DANVILLE CIRCLE TO CB 228A
SEE DETAIL 6 ON SHEET LND-1 FOR MORE INFO.

**UNDERDRAIN NOTES
CONST. PLAN 5**

- (U 235) CONST. @ 19+147.5 TO 19+163.0 LT.
NEW 150mm x 15.0m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #235
- (U 232) CONST. @ 19+159.0 RT. TO 4+023.0 RT.
NEW 150mm x 18.7m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #232
- (U 240A) CONST. @ 19+085.0 TO 19+113.0 RT.
NEW 150mm x 28.8m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #240A
- (U 239) CONST. @ 19+113.0 TO 19+147.5 LT.
NEW 150mm x 33.7m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #239
- (U 238) CONST. @ 19+113.0 RT. TO 2+015.0 RT.
NEW 150mm x 13.1m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #238
- (U 236) CONST. @ 19+136.0 RT. TO 2+015.0 LT.
NEW 150mm x 8.6m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #236
- (U 232A) CONST. @ 19+136.0 TO 19+159.0 RT.
NEW 150mm x 23.9m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #232A
- (U 228A) CONST. @ 19+197.0 TO 19+215.0 RT.
NEW 150mm x 18.5m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #228A
- (U 225) CONST. @ 19+210.0 TO 19+231.0 LT.
NEW 150mm x 20.3m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #225
- (U 227) CONST. @ 19+215.0 RT. TO SMITH ST. 5+015.0 RT.
NEW 150mm x 9.4m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #227
CONST. PIPE @ -0.50% GRADE @ 5+013.2 - 5+015.0 RT
- (U 224) CONST. @ 19+231.0 TO 19+285.0 LT.
NEW 150mm x 53.0m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #224
- (U 208) CONST. @ 19+230.5 TO 19+285.0 RT.
NEW 150mm x 54.2m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #208
- (U 231) CONST. @ 4+015.0 TO 4+040.0 LT.
NEW 150mm x 26.3m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #231
- (U 230) CONST. @ 4+023.0 TO 4+040.0 RT.
NEW 150mm x 17.2m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #230

**DRAINAGE STRUCTURES
CONST. PLAN 6**

STRUCTURE NO.	CONSTRUCTION & STATION	COMMENTS
CB211	5+070.0, LT	PRCCB W/E GRATE
CB212	5+070.0, RT	PRCCB W/E GRATE
CB213	5+089.0, LT	PRCCB W/E GRATE
CB214	5+110.6, LT	PRCCB W/D GRATE
CB215	2+224.8, LT	PRCCB W/D GRATE
CB216	2+208.0, RT	PRCCB W/D GRATE, NO SUMP
CB217	2+190.0, LT	PRCCB W/D GRATE
CB218	2+157.0, LT	PRCCB W/D GRATE
CB220	2+135.0, RT	PRCCB W/D GRATE
CB221	2+135.0, RT	PRCCB W/D GRATE, NO SUMP
CB222	2+105.0, LT	PRCCB W/D GRATE, NO SUMP
CB223	2+105.0, RT	PRCCB W/D GRATE, NO SUMP
CB230	4+040.0, RT	PRCCB W/E GRATE
CB231	4+040.0, LT	PRCCB W/E GRATE

**DRAINAGE NOTES
CONST. PLAN 6**

- (211) CONST. @ 5+015.0 TO 5+070.0 LT.
NEW 450mm x 54.4m PIPE OPTION 2
- (212) CONST. @ 5+070.0 RT. TO LT.
NEW 450mm x 5.7m PIPE OPTION 2
- (213) CONST. @ 5+070.0 TO 5+089.0 LT.
NEW 450mm x 17.8m PIPE OPTION 3
- (214) CONST. @ 5+089.0 TO 5+110.6 LT.
NEW 450mm x 20.6m PIPE OPTION 3
- (215) CONST. @ 2+224.8 LT. TO 5+110.6 LT.
NEW 450mm x 19.6m PIPE OPTION 3
- (216) CONST. @ 2+208.0 RT. TO 5+110.6 LT.
NEW 450mm x 7.9m PIPE OPTION 2
- (217) CONST. @ 2+190.0 LT. TO 5+110.6 LT.
NEW 450mm x 14.3m PIPE OPTION 2
- (218) CONST. @ 2+157.0 TO 2+190.0 LT.
NEW 450mm x 31.6m PIPE OPTION 3
- (220) CONST. @ 2+135.0 TO 2+157.0 LT.
NEW 450mm x 20.8m PIPE OPTION 2
- (221) CONST. @ 2+135.0 RT. TO LT.
NEW 450mm x 6.3m PIPE OPTION 2
- (222) CONST. @ 2+105.0 TO 2+135.0 LT.
NEW 450mm x 26.5m PIPE OPTION 3
- (223) CONST. @ 2+105.0 RT. TO LT.
NEW 450mm x 6.3m PIPE OPTION 2
- (231) CONST. @ 4+040.0 LT. TO RT.
NEW 450mm x 5.7m PIPE OPTION 2

**UNDERDRAIN NOTES
CONST. PLAN 6**

- (U 236A) CONST. @ 2+015.0 TO 2+048.0 LT.
NEW 150mm x 32.7m UND. W/RURAL FLUSHING
BASIN @ 2+048.0 LT
- (U 223A) CONST. @ 2+049.2 TO 2+105.0 RT.
NEW 150mm x 61.2m UND. W/RURAL FLUSHING
BASIN @ 2+049.0 RT
- (U 222A) CONST. @ 2+049.2 TO 2+105.0 LT.
NEW 150mm x 60.2m UND. W/RURAL FLUSHING
BASIN @ 2+049.0 LT
- (U 223) CONST. @ 2+105.0 TO 2+135.0 RT.
NEW 150mm x 32.3m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #223
- (U 222) CONST. @ 2+105.0 TO 2+135.0 LT.
NEW 150mm x 30.0m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #222
- (U 221) CONST. @ 2+135.0 TO 2+208.0 RT.
NEW 150mm x 73.1m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #221
- (U 218) CONST. @ 2+157.0 TO 2+190.0 LT.
NEW 150mm x 32.9m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #218
- (U 215) CONST. @ 2+224.8 LT. TO 5+110.8 LT.
NEW 150mm x 20.6m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #215
- (U 230A) CONST. @ 4+040.0 TO 4+088.0 RT.
NEW 150mm x 47.0m UND. W/RURAL
FLUSHING BASIN @ 4+088.0 RT
- (U 231A) CONST. @ 4+040.0 TO 4+088.0 LT.
NEW 150mm x 47.7m UND. W/RURAL
FLUSHING BASIN @ 4+088.0 LT
- (U 220) CONST. @ 4+088.0 RT. TO 2+135.0 LT.
NEW 150mm x 17.7m UND. W/RURAL
FLUSHING BASIN @ 4+089.0 RT
- (U 218A) CONST. @ 4+088.0 LT. TO 2+157.0 LT.
NEW 150mm x 18.7m UND. W/RURAL
FLUSHING BASIN @ 4+089.0 LT
- (U 212) CONST. @ 5+015.0 TO 5+070.0 RT.
NEW 150mm x 55.8m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #212
CONST. PIPE @ +0.50% GRADE @ 5+015.0 - 5+027.4 RT
- (U 211) CONST. @ 5+015.0 TO 5+070.0 LT.
NEW 150mm x 55.8m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #211
CONST. PIPE @ +0.50% GRADE @ 5+015.0 - 5+024.4 LT
- (U 213) CONST. @ 5+070.0 TO 5+089.0 LT.
NEW 150mm x 19.0m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #213
- (U 214) CONST. @ 5+089.0 TO 5+110.8 LT.
NEW 150mm x 21.3m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #214
- (U 237) CONST. @ 2+015.0 TO 2+048.0 RT
NEW 150mm x 34.5m UND. W/RURAL FLUSHING
BASIN @ 2+048.0 RT.
- (U 217) CONST. @ 2+190.0 LT. TO 5+070.0 RT.
NEW 150mm x 46.0m UND. W/URBAN FLUSHING
BASIN IN STRUCTURE #217



**REPLACEMENT SHEETS
ISSUED 1005/11**



PROJECT NAME: DANVILLE
PROJECT NUMBER: F EGC 028-3(32)

FILE NAME: ...\\PlotFiles\031a106a.ptf
DESIGN SUPERVISOR: GARY SANTY
DESIGNED BY: STANTEC
CONSTRUCTION PLAN CP-6A

PLT DATE: 10/4/2010
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 68 OF 306