# SUMMARY OF DRAINAGE QUANTITIES

NOTE: THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.

PIPE CULVERT MATERIAL ALTERNATES — TYPE OF PIPE INSTALLATION

| DRAINAGE STRUCTURE NUMBER | LOCATION | LONGITUDINAL INTERSTATE AND TRAVEL BEARING | LONGITUDINAL NONINTERSTATE AND NONTRAVEL BEARING | STORM DRAIN CROSS DRAIN GRADE ≤ 10% ADT < 250 | 250 < ADT < 1500 | ADT > 1500 | GRADE > 10% ADT < 250 | ADT > 250 | SIDE DRAIN | PERMANENT SLOPE DRAIN | PERFORATED UNDERDRAIN |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CONCRETE | CORRUGATED STEEL AASHTO M-36: ALUMINUM COATED (TYPE 2) CORR. STEEL | CORRUGATED STEEL AASHTO M-36: PLAIN ZINC COATED | CORRUGATED ALUMINUM AASHTO M-196: PLAIN UNCOATED ALUMINUM | PLASTIC: CORR. POLY-ETHYLENE AASHTO M-252 | PLASTIC: CORR. POLY-ETHYLENE SMOOTH-LINED AASHTO M-294 TYPE S | PLASTIC: POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO-304 | | | |
| H-12 | 293+80, CENTERLINE | | | | | | | | | | |
| H-11 | 294+87, CENTERLINE | | | | | | | | | | |
| H-10 | 296+00, CENTERLINE | | | | | | | | | | |
| H-9 | 297+10, CENTERLINE | | | | | | | | | | |
| H-8 | 298+20, CENTERLINE | | | | | | | | | | |
| H-7 | 299+30, CENTERLINE | | | | | | | | | | |
| H-6 | 300+37, CENTERLINE | | | | | | | | | | |
| H-5 | 303+00, CENTERLINE | | | | | | | | | | |
| H-4 | 305+30, CENTERLINE | | | | | | | | | | |
| H-2 | 305+70, 112' LT. | | | | | | | | | | |
| H-3 | 306+37, CENTERLINE | | | | | | | | | | |
| H-1 | 307+01, 115' RT. | | | | | | | | | | |
| H1-5 | 307+70, CENTERLINE | | | | | | | | | | |
| H1-4 | 308+50, CENTERLINE | | | | | | | | | | |
| H1-3 | 308+96, CENTERLINE | | | | | | | | | | |
| H1-2 | 309+37, CENTERLINE | | | | | | | | | | |
| H1-1 | 309+37, 109' RT. | | | | | | | | | | |
| H1-6 | 309+59, CENTERLINE | | | | | | | | | | |
| H1-7 | 310+10, CENTERLINE | | | | | | | | | | |
| H1-8 | 310+60, CENTERLINE | | | | | | | | | | |
| H1-9 | 311+30, CENTERLINE | | | | | | | | | | |
| H1-10 | 312+50, CENTERLINE | | | | | | | | | | |
| H1-11 | 314+10, CENTERLINE | | | | | | | | | | |
| 1-4 | 316+38, CENTERLINE | | | | | | | | | | |
| 1-3 | 316+38, 105' RT. | | | | | | | | | | |
| 1-5 | 318+40, CENTERLINE | | | | | | | | | | |
| 1-1 | 320+02, 127' RT. | | | | | | | | | | |
| 1-6 | 320+40, CENTERLINE | | | | | | | | | | |
| 1-7 | 322+50, CENTERLINE | | | | | | | | | | |
| 1-2 | 322+58, 122' LT. | | | | | | | | | | |
| 11-2 | 324+79, CENTERLINE | | | | | | | | | | |
| 11-1 | 324+79, 117' RT. | | | | | | | | | | |
| 11-3 | 326+30, CENTERLINE | | | | | | | | | | |
| | SUB-TOTAL SHEET 5 | | | | | | | | | | |

LINEAR FEET — SLOPE DRAIN / STORM DRAIN

| DRAINAGE STRUCTURE NUMBER | SLOPE DRAIN 18" | SLOPE DRAIN 24" | STORM DRAIN 15" | STORM DRAIN 18" | STORM DRAIN 24" | STORM DRAIN 30" | STORM DRAIN 36" | STORM DRAIN 48" | MAXIMUM HEIGHT OF FILL OVER PIPE (FT) | FOUNDATION BACK FILL MAT'L (TP II CY) | FLARED END SECTIONS GA. STD. 1120 STORM DRAIN (EA/SZ) | SAFETY END SECTIONS GA. STD. 1120 SIDE DRAIN (EA/SZ) | STRUCTURE DEPTH (H) (LF) | DROP INLETS GP 1: GA. STD. 5001 M1 6 FT OR LESS (EA) | GA. STD. 5001 M1 ADD'L DEPTH (LF) | GA. STD. 5001 M2 6 FT OR LESS (EA) | GA. STD. 5001 M2 ADD'L DEPTH (LF) | GA. STD. 1019 A "TYPE B" WITH WEIR 6 FT OR LESS (EA) | GA. STD. 1019 A "TYPE B" WITH WEIR ADD'L DEPTH (LF) | GA. STD. 9031S 6 FT OR LESS (EA) | GA. STD. 9031S ADD'L DEPTH (LF) | DROP INLETS GP 2: GA. STD. 5001 M1 6 FT OR LESS (EA) | GA. STD. 5001 M1 ADD'L DEPTH (LF) | GA. STD. 5001 M2 6 FT OR LESS (EA) | GA. STD. 5001 M2 ADD'L DEPTH (LF) | GA STD 9031U CLASS A CONC. COLLAR (EA) | GA STD 1125 CLASS A CONC. HEADWALL INCL REINF STEEL (CY) | MANHOLE GA. STD. 1011 A TYPE 1 42" OR LESS: 6 FT OR LESS (EA) | TYPE 1 ADD'L DEPTH CLASS 1 (LF) | TYPE 1 ADD'L DEPTH CLASS 2 (LF) | TYPE 1 ADD'L DEPTH CLASS 3 (LF) | TYPE 2 48" TO 84": 6 FT OR LESS (EA) | TYPE 2 ADD'L DEPTH CLASS 1 (LF) | TYPE 2 ADD'L DEPTH CLASS 2 (LF) | TYPE 2 ADJUST M.H. TO GRADE (EA) | TYPE 2 RECONSTRUCT M.H. (EA) | CLASS B CONC. (FLUMES AND SPILLWAY APRON) (CY) | JACK OR BORE PIPE - 18" (LF) | JACK OR BORE PIPE - 24" (LF) | JACK OR BORE PIPE - 30" (LF) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H-12 | | | | 107 | | | | | | | | | 4.96 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-11 | | | | 113 | | | | | | | | | 4.96 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | EXISTING OUTLET NOT USED |
| H-10 | | | | 110 | | | | | | | | | 4.96 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-9 | | | | 110 | | | | | | | | | 4.96 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-8 | | | | | 110 | | | | | | | | 5.56 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-7 | | | | | 107 | | | | | | | | 5.56 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-6 | | | | | 263 | | | | | | | | 5.85 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | EXISTING OUTLET NOT USED |
| H-5 | | | | | 230 | | | | | | | | 5.67 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H-4 | | | | | 105 | | | | | | | | 5.58 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST CROSS DRAIN INLET 6 X 5 BOX CLVT |
| H-3 | | | | | | | | | | | | | 1.00 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | DROPS INTO 6 X 5 BOX CLVT |
| H-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST CROSS DRAIN OUTLET 6 X 5 BOX CLVT |
| H1-5 | | | | 80 | | | | | | | | | 5.33 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-4 | | | | 46 | | | | | | | | | 5.80 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-3 | | | | 41 | | | | | | | | | 6.02 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-2 | | | | | | | | | | | | | 7.19 | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | USE EXIST MEDIAN OUTLET PIPE |
| H1-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H1-6 | | | | 22 | | | | | | | | | 6.09 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| H1-7 | | | | 51 | | | | | | | | | 5.78 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-8 | | | | 50 | | | | | | | | | 5.34 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-9 | | | | 70 | | | | | | | | | 5.19 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-10 | | | | 120 | | | | | | | | | 5.00 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| H1-11 | | | | 160 | | | | | | | | | 5.04 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 1-4 | | | | | | | | | | | | | 5.04 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | USE EXIST MEDIAN OUTLET PIPE |
| 1-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1-5 | | | | 202 | | | | | | | | | 5.03 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 1-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST CROSS DRAIN OUTLET 5 X 5 BOX CLVT |
| 1-6 | | | | 200 | | | | | | | | | 5.02 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 1-7 | | | | 210 | | | | | | | | | 5.09 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 1-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | EXIST CROSS DRAIN INLET 5 X 5 BOX CLVT |
| 11-2 | | | | | | | | | | | | | 5.62 | | | 1 | | | | | | | | | | | | | | | | | | | | | 106 | | PROPOSED JACK OR BORE |
| 11-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.69 | | | | | | | | | OUTLET HEADWALL |
| 11-3 | | | | 151 | | | | | | | | | 5.01 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| SUB-TOTAL SHEET 5 | | | | 1843 | 815 | | | | | | | | | 6 | | 20 | 3 | | | | | | | | | | | | | 1.69 | | | | | | | | 106 | |

NOTE: FOR FLUME QUANTITIES SEE DRAWING 6-02
NOTE: FOR RIP RAP QUANTITIES SEE DRAWING 6-17

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE:
QUANTITIES - DRAINAGE

DRAWING No. 6-08