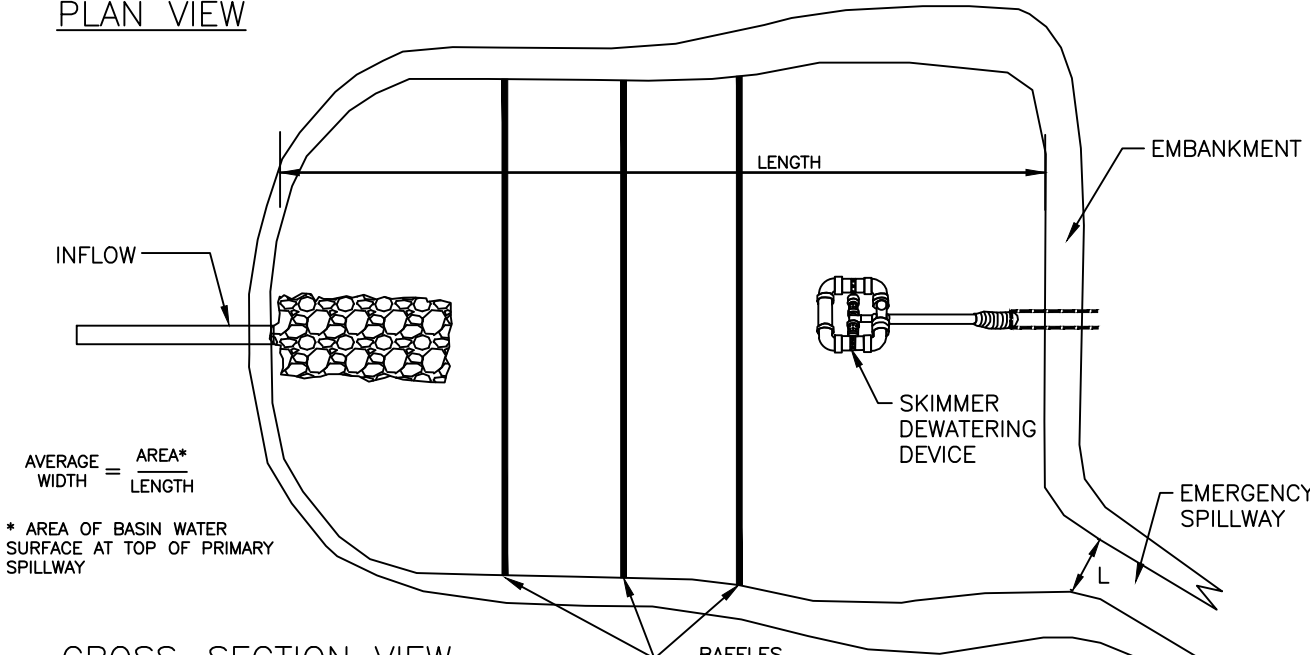


| SKIMMER SEDIMENT BASIN DESIGN CRITERIA |                                  |
|--|----------------------------------|
| DRAINAGE AREA (ACRES)                  | < 10 AC.                         |
| MIN. LENGTH TO WIDTH RATIO             | 2:1                              |
| MAX. LENGTH TO WIDTH RATIO             | 6:1                              |
| MIN. VOLUME REQUIRED                   | 1800 (CU. FT. PER AC. DISTURBED) |
| SURFACE AREA REQUIRED                  | 325 (SQ. FT. PER CFS Q10)        |

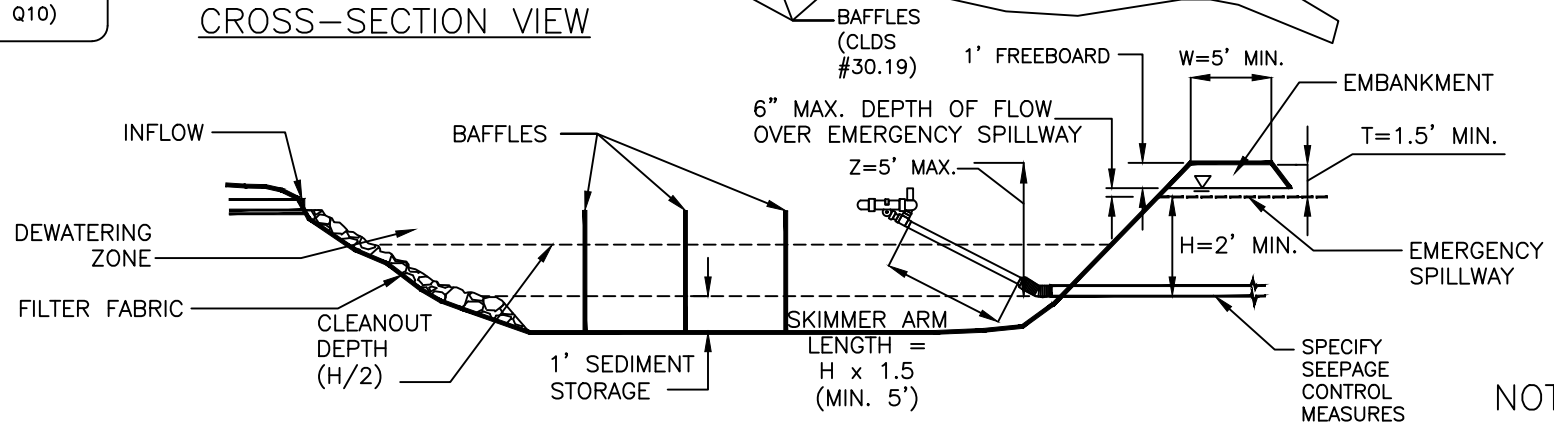
PLAN VIEW



NOTES:

1. REFER TO NCESCPDM SECTION #6.64 FOR ADDITIONAL DESIGN SPECIFICATIONS REGARDING SKIMMER SEDIMENT BASINS.
2. REFER TO STD. #30.19 FOR BAFFLE SPACING AND INSTALLATION
3. TURBIDITY CURTAIN (CLDS #30.23) MAY BE USED IN LIEU OF POROUS BAFFLES (CLDS #30.19).
4. SKIMMER INVERT ELEVATION = BASIN BOTTOM + 1' MIN.
5. H = SPILLWAY ELEVATION - SKIMMER INVERT ELEVATION

CROSS-SECTION VIEW



DATA BLOCK

| BASIN | DRAINAGE AREA (ACRES) | DENUDED AREA (ACRES) | Q <sub>10</sub> | BASIN VOLUME         |                      | BASIN SURFACE AREA |                   | CLEANOUT DEPTH (FT.) H/2 | H (FEET) | Z (FEET) | L (FEET) | T (FEET) | W (FEET) | SKIMMER PIPE DIAMETER | SKIMMER ORIFICE DIAMETER |
|-------|-----------------------|----------------------|-----------------|----------------------|----------------------|--------------------|-------------------|--------------------------|----------|----------|----------|----------|----------|-----------------------|--------------------------|
|       |                       |                      |                 | REQUIRED (CUBIC FT.) | PROVIDED (CUBIC FT.) | REQUIRED (SQ FT.)  | PROVIDED (SQ FT.) |                          |          |          |          |          |          |                       |                          |
|       |                       |                      |                 |                      |                      |                    |                   |                          |          |          |          |          |          |                       |                          |
|       |                       |                      |                 |                      |                      |                    |                   |                          |          |          |          |          |          |                       |                          |

NOT TO SCALE



CITY OF CHARLOTTE  
LAND DEVELOPMENT STANDARDS  
INCLUDES CHARLOTTE ETJ

SKIMMER SEDIMENT BASIN

| STD. NO. | REV. |
|----------|------|
| 30.02A   | 22   |