TYPE P-10 3'-6" 45 1/4" 1/4"" 6" WALL (CONC.) STEEL GRATING U.S. FOUNDRY NO. 6646 GRATE (or EQUAL) STRAIGHT BARS 6" x 4 RETICULINE BARS $1\frac{1}{4}$ " x $\frac{3}{16}$ " WEIGHT 445 lbs. (APPROX.) NOTE: ANY GRATING THAT IS CAPABLE OF SUPPORTING H-20 LOADS MAY BE SUBSTITUTED FOR THE U.S. FOUNDRY NO. 6646 UPON APPROVAL OF THE DEPARTMENT PROVIDING IT MEETS THE FOLLOWINGS CONDITIONS: $\mbox{\scriptsize d-Manufacturer}$ must be listed in FDOT's QPL. b—THE NET OPEN AREA OF THE GRATE MUST NOT BE LESS THAN THAT OF THE U.S. FOUNDRY NO. 6646. BRICK AND MORTAR SPACE BETWEEN 3'-6" | 3'-6" PIPE STRUCTURE c-THE MAXIMUM DISTANCE (MEASURED PERPENDICULAR) BETWEEN BARS DOES NOT EXCEED 3". 6 EPTH SEE NOTE 2 2.- PIPES MAY EXTEND INTO CATCH BASIN MAXIMUM OF 4". USE 4,000 psi CONCRETE (MINIMUM), MAXIMUM W/C=0.53, GRADE 60 STEEL FOR REBAR AND GRADE 65 FOR WWF. PIPE 4.- WEEP HOLES ARE TO BE USED WHEN THE YEARLY LOWEST WATER ELEVATION IS ABOVE THE TOP OF THE BOTTOM SLAB OF THE STRUCTURE. KEY JOINT REQUIRED CONST. JOINT PERMITTED GROUTED 10" WEEP HOLE SEE NOTE 5 **JOINTS** 1/4" GALVANIZED HARDWARE CLOTH EXTENDING 4" BEYOND HOLE **CONSTRUCTION JOINT** No.4 COARSE AGGREGATE (OPTIONAL) **PLAN** MIAMI-DADE **REVISED** STANDARD STORM DRAINAGE DETAIL SD COUNTY 5/8/2018 APPROVED MANHOLE AND INLET

(TYPEP)

SHEET 3 OF 4

DEPARTMENT OF

TRANSPORTATION AND PUBLIC WORKS 5/8/2018