OUTLET CONTROL STRUCTURE NOTES:
1. CAST-IRON STRUCTURE IS TO BE PRECAST CONCRETE.
2. THE LOCATION AND ELEVATION INDICATED ON SHEET NPTT707-C104 ARE AT THE TOP CENTER OF THE GRATE.
3. GRATING SHALL BE AMICO STANDARD WELDED TYPE "W" 19W4 RESISTANCE WELDED GRATING AS MANUFACTURED BY ALABAMA METAL INDUSTRIES CORP. OR ENGINEERING APPROVED EQUAL.

NOTES:
1. ALL DIMENSIONS ARE NOMINAL.
2. FREE OPEN AREA = 180 FT².
3. TRENCH DRAIN SHALL BE HEAVY DUTY TYPE DESIGNED FOR HS-20 LOADING.
4. CONCRETE SHALL BE COMPRESSIVE STRENGTH 4000 PSI, TYPE II CEMENT.

PLAN

SECTION A-A

SECTION B-B

FOR PERMITTED PURPOSES ONLY
NOT FOR CONSTRUCTION
NOTES:
1. INFILTRATION BASIN BASE MATERIAL SHALL BE A 6" LAYER CONSISTING OF COARSE SAND OR 3/8" PEA GRAVEL.
2. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHALL BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
3. ABSOLUTELY NO RUNOFF IS TO ENTER INFILTRATION BASIN UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED. SURFACE OF BASIN SHALL BE LEVEL.

INFILTRATION BASIN CROSSECTION
NOT TO SCALE

NOTES:
1. WRAP PIPE WITH "RAM-NEK" OR EQUIVALENT WHERE PIPE IS EXPOSED TO CONCRETE PRIOR TO POURING.
2. EXCAVATION & BACKFILL SHALL BE AS SPECIFIED.
3. DO NOT PLACE WITHIN 2 FEET OF A PIPE JOINT.
4. REFER TO DETAIL 1 FOR LOCATION.

EXCAVATED TRENCH LIMITS "RAM-NEK" OR EQUIVALENT UNDISTURBED EARTH BASE OF TRENCH BOTTOM OF TRENCH FINISHED GRADE TRENCH WIDTH "RAM-NEK" OR EQUIVALENT CAST-IN-PLACE OR PRECAST CONCRETE COLLAR (MIN. 2000 PSI)