



- NOTES:
- A. ALL PRECAST SEWER MANHOLE SECTIONS SHALL MEET THE REQUIREMENTS OF ASTM C-478 AND AASHTO M199. THE PRECAST CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4000 PSI.
 - B. ALL MANHOLE STEPS SHALL CONFORM TO CITY STD. NO. 303 OR AN APPROVED EQUAL. STEPS SHALL BE INSTALLED IN LINE WITH THE VERTICAL SIDE OF THE CONE.
 - C. THE MANHOLE JOINTS SHALL BE SEALED BY A BUTYL RUBBER SEALANT. THE BUTYL RUBBER SEALANT SHALL BE 1" SQUARE AND SHALL CONFORM TO ASTM C-990 AND AASHTO M-198.
 - D. THE LIFT INSERT AND HOLES SHALL BE ACCORDING TO CITY STD. NO. 305. ALL LIFT HOLES SHALL BE COMPLETELY FILLED WITH NON-SHRINK GROUT AFTER MH INSTALLATION.
 - E. ALL PIPE ENTRANCES AND CONNECTIONS SHALL CONFORM TO SECTION 840 OF THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS & STRUCTURES.
 - F. IF A FLAT-TOP SECTION IS NECESSARY, IT SHALL BE APPROVED BY THE ENGINEER AND SHALL BE DESIGNED FOR HS-20 LOADING.
 - G. A REINFORCED CONCRETE FOOTING IS REQUIRED WHEN THE MANHOLE IS OVER 12' OR ON A POOR SOIL BASE. THE REINFORCED CONCRETE FOOTING MAY BE POURED OR PRECAST ACCORDING TO CURRENT NCDOT STD. NO 1525.01 SHEET 2 OF 2. THE CONTRACTOR HAS THE OPTION OF PROVIDING AN EXPANDED MANHOLE BASE SECTION AND SETTING THE BASE SECTION ON 12" MIN. #57 STONE WITH NO EXTRA COST TO THE CITY.
 - H. ALL PIPE OPENINGS SHALL BE CAST TO ELEVATIONS SPECIFIED ON CONTRACT PLANS OR TO MEET JOB REQUIREMENTS.

CITY OF HIGH POINT
NORTH CAROLINA

ENGINEERING SERVICES DEPARTMENT

APPROVED: MARCH 1, 2007

BKR
DIRECTOR

ISSUED 03-01-07

REVISIONS

05-10-07

STANDARD DRAWING FOR

PRECAST STORM MANHOLE, 4' DIA.

FOR STORM SEWER PIPE LESS THAN 21"

MH_ST_4DIA.DWG

410.01

SHEET 1 OF 1