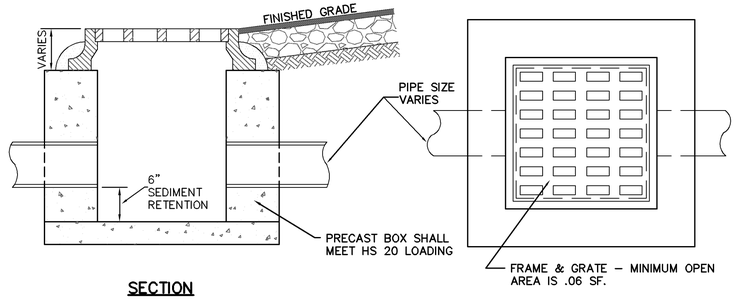
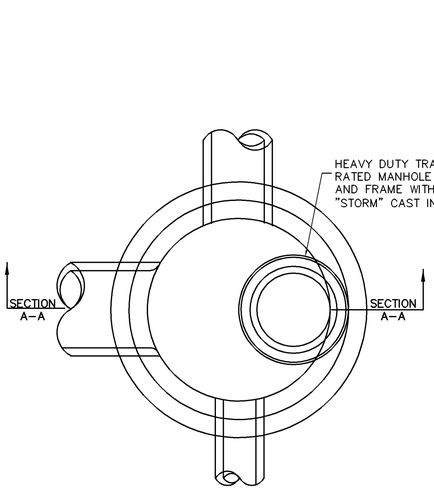
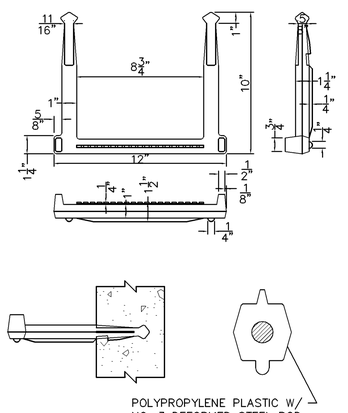


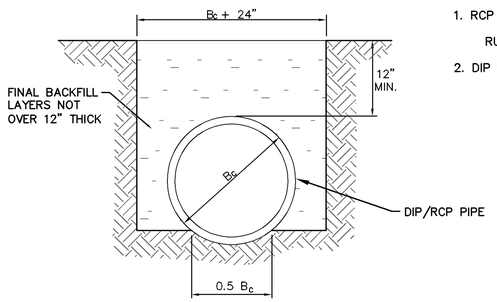
A CATCH BASIN DETAIL
NOT TO SCALE

NOTES:
1. UNLESS NOTED OTHERWISE, DIAMETER SHALL BE 4'–0".
2. UNLESS OTHERWISE INDICATED, MANHOLES 12'–0" DEEP AND LESS MAY HAVE CONCENTRIC OR ECCENTRIC CONES. MANHOLES WITH A DEPTH GREATER THAN 12'–0" SHALL HAVE ECCENTRIC CONES ONLY.
3. MANHOLE BASE SLABS MAY BE PRECAST OR CAST IN PLACE CONCRETE.
4. THE GROUT SHOWN IS TYPICAL FOR PRECAST BASE SLABS. THE GROUT SHALL BE LIMITED TO THAT REQUIRED TO PREVENT STANDING WATER. WHERE PIPES HAVE NEARLY THE SAME INVERT ELEVATION, GROUT SHALL TAPER FROM SIDES TOWARDS THE FLOW LINE BETWEEN THE PIPES WITH NO GROUT PLACED ALONG 3" EACH SIDE OF THE FLOW LINE. WHERE BASE SLABS ARE POURED IN PLACE, CONCRETE MAY BE SHAPED AS REQUIRED FOR GROUT.
5. INSTALL MANHOLE STEPS 16" ON CENTER.
6. ALL JOINTS SHALL BE WATER TIGHT.



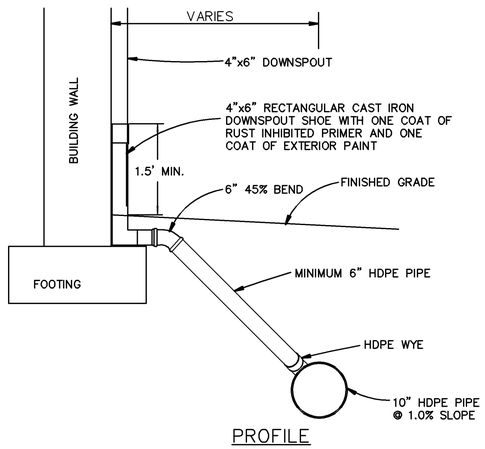


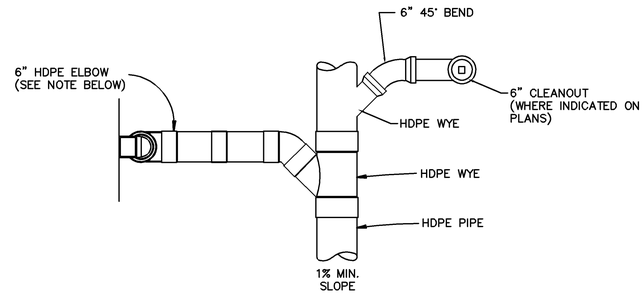
C STORM DRAIN MANHOLE DETAILS
NOT TO SCALE

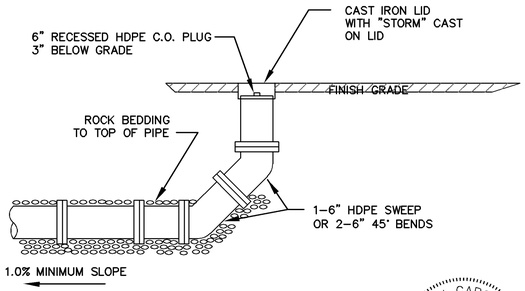


PIPE NOTES:
1. RCP SHALL HAVE:
   RUBBER O–RING JOINTS – ASTM C443
2. DIP SHALL HAVE WATERTIGHT JOINTS

B PIPE TRENCH BEDDING DETAIL
NOT TO SCALE







D DOWNSPOUT ADAPTER & ROOF DRAIN SYSTEM DETAIL
NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 027779 ENGINEER LAWRENCE K. BARTHELEMY, IV

US ARMY CORPS OF ENGINEERS SAVANNAH

BY	DATE	DESCRIPTION	SYMBOL

DATE: 25 JAN 2010
SOLICITATION NO.: W912HN-09-R-0018
CONTRACT NO.:
CATEGORY CODE: 730-46-01
DESIGNED BY: JDC
DWN BY: JDC
CKD BY: LKB
SUBMITTED BY: LKB
FILE NAME: BNHC-630.DWG
PLOT SCALE: NOT TO SCALE
PLOT DATE:
SIZE: 34x22

U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH DISTRICT

LS3P ASSOCIATES LTD. 205 ½ KING STREET CHARLESTON, SC. 29401

ALBRITTON JUNIOR HIGH SCHOOL ADDITION
FT BRAGG NORTH CAROLINA

CIVIL DETAILS
STORM DRAINAGE

PLATE REFERENCE NUMBER C-630
SHEET 18