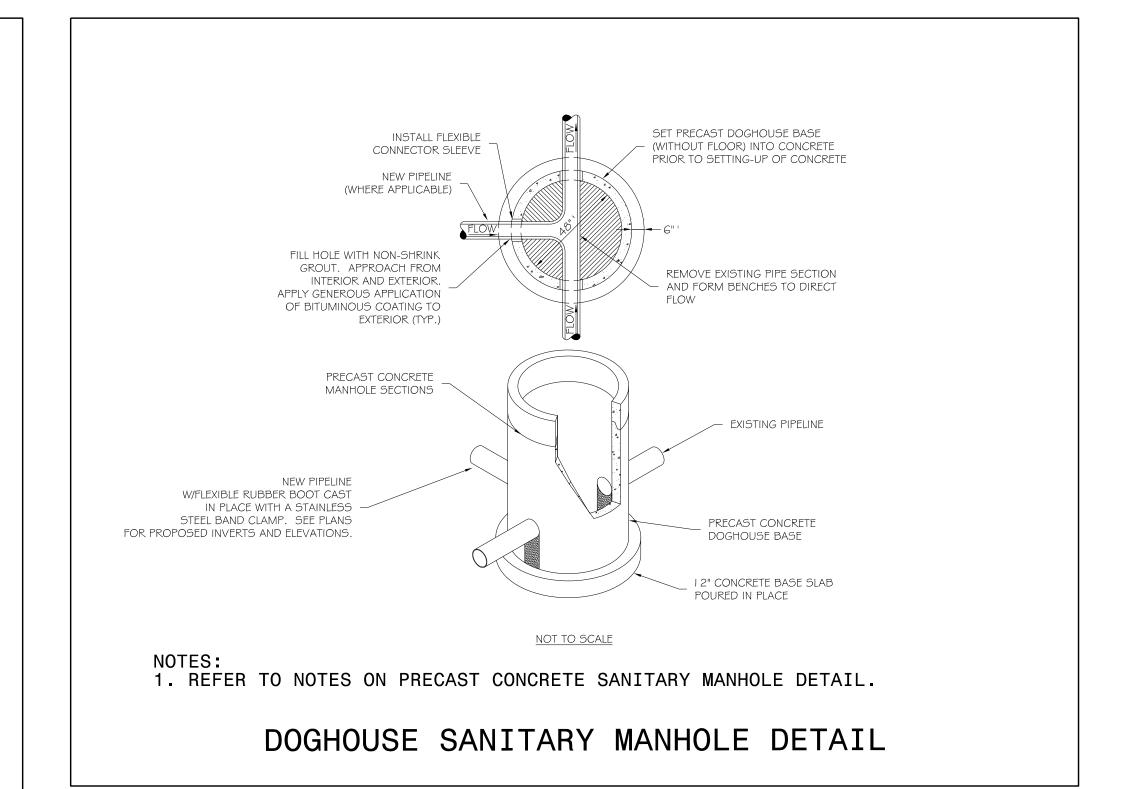
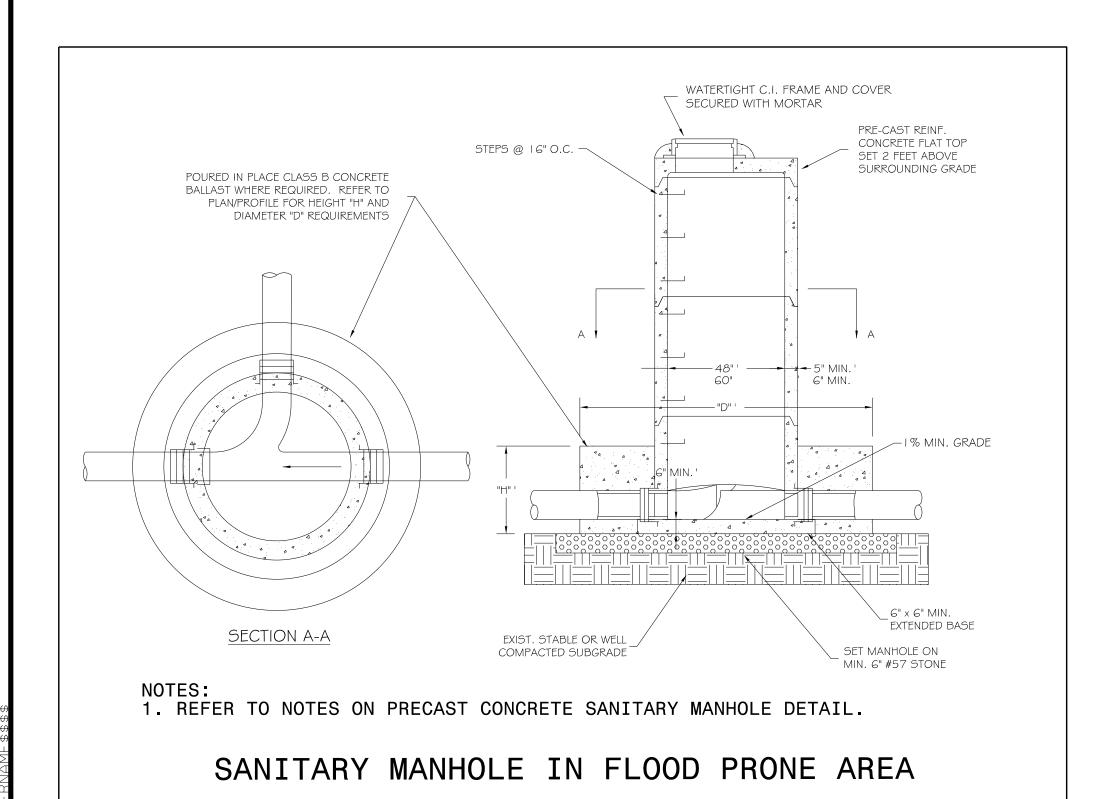
NOTES:

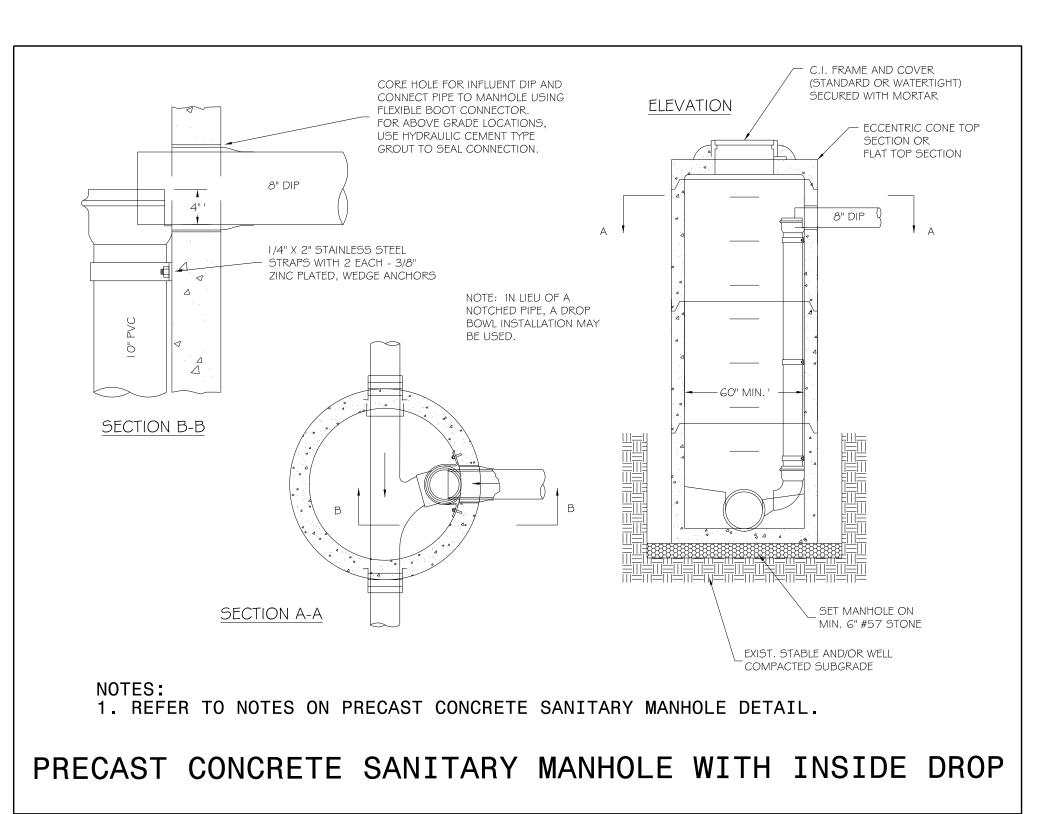
- 1. PRECAST CONCRETE MANHOLES SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM C748.
 ALL SURFACES SHALL BE SMOOTH AND EVEN TEXTURED WITH A MINIMUM OF HONEYCOMB,
 FIN, AND OTHER IMPERFECTIONS.
- 2. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE SEALED WATERTIGHT USING EITHER: O-RING GASKETS CONFORMING TO ASTM C-443; OR BUTYL RESIN CONFORMING TO AASHTO M-198.
- 3. HOLES FOR CONNECTION OF PIPE TO MANHOLE SHALL BE PRECAST OR CORED. DIAMETER
- OF HOLE SHALL NOT EXCEED OUTSIDE DIAMETER OF PIPE BY MORE THAN 3 INCHES.

 4. CONNECTIONS OF PIPE TO MANHOLE SHALL BE MADE WATERTIGHT USING RESILIENT CONNECTORS CONFORMING TO ASTM C-923 OR NEOPRENE BOOTS EMBEDDED IN PRECAST BASE WITH STAINLESS STEEL COMPRESSION BANDS.
- 5. MANHOLE INVERTS SHALL BE INSTALLED USING BRICK MORTAR, OR MANHOLES MAY BE PRECAST, MONOLITHIC SECTIONS WITH FORMED INVERTS.
- 6. LIFT HOLES SHALL BE PLUGGED AND FILLED FLUSH WITH MORTAR.
- 7. ALL BRICK AND MORTAR SHALL RECEIVE A ONE-HALF (1/2) INCH MORTAR PARGE COAT ON THE INSIDE AND OUTSIDE.

PRECAST CONCRETE SANITARY MANHOLE







SHEET NO. PROJECT REFERENCE NO. U-3621A UC-3H DESIGNED BY: GJB GJB DRAWN BY: CHECKED BY: APPROVED BY: KC7 REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 UTILITY CONSTRUCTION PLANS ONLY FAX: (919)250-4151

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

M A Engineering Consultants, Inc. S98 East Chatham Street - Suite 137 Cary, NC 27511 Phone: 919.297.0220 Fax: 919.297.0221 NC License: F-0160