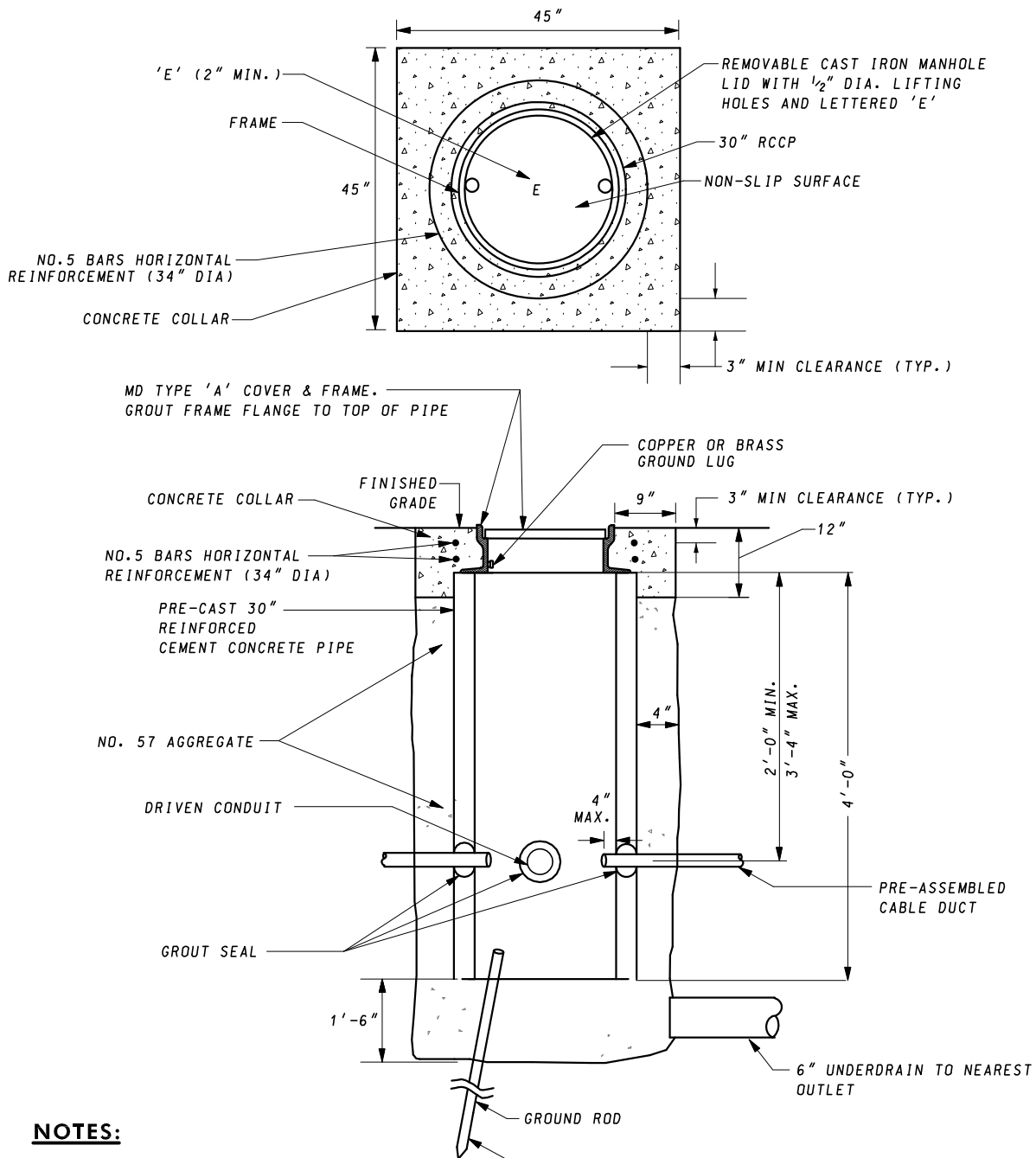




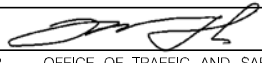
NOTES:

1. OPENINGS SHALL BE CORE DRILLED INTO THE PIPE TO SUIT CABLE OR CONDUIT ROUTING.
2. OPENING SHALL BE SEALED WITH GROUT.
3. CABLE DUCT SHEATHING, OR CONDUIT, MAY EXTEND INTO THE MANHOLE A MAXIMUM OF 4".
4. COVER FRAME SHALL BE CONNECTED TO GROUND ROD BY 5' OF CABLE FROM GROUNDING LUG TO GROUND ROD.

ALL GROUND CABLES SHALL BE ATTACHED TO GROUND ROD BY EXOTHERMIC WELD.

NOTES (CONTINUED):

5. CONCRETE COLLAR WITH REBAR SHALL BE INCIDENTAL TO ELECTRICAL MANHOLE.
6. CONCRETE COLLAR NOT REQUIRED IN SIDEWALK AREA.
7. MANHOLE WITH CONCRETE COLLAR IS NOT TRAFFIC BEARING. ALTERNATE DESIGN IS REQUIRED FOR MANHOLES LOCATED IN ROADWAY OR SHOULDER AREAS.

SPECIFICATION 811	CATEGORY CODE ITEMS										
APPROVED  DIRECTOR - OFFICE OF TRAFFIC AND SAFETY											
SHA State Highway Administration	<table> <tr> <td>APPROVAL • SHA REVISIONS</td><td>APPROVAL • FEDERAL HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL 7-1-94</td><td>APPROVAL 7-1-94</td></tr> <tr> <td>REVISED 8-19-11</td><td>REVISED 8-10-11</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table>	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL 7-1-94	APPROVAL 7-1-94	REVISED 8-19-11	REVISED 8-10-11	REVISED	REVISED	REVISED	REVISED
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Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

ELECTRICAL MANHOLE

STANDARD NO.

MD 811.04