GENERAL NOTES:
1. MINIMUM 12" FILL OVER TOP OF CULVERT.
2. EDGES MUST BE STABILIZED WITH A MINIMUM OF ONE ROW OF SOD FOR ALL END TREATMENTS.
3. FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL BE USED AS A GUIDELINE FOR ALL END TREATMENTS; REFER TO INDICES 261, 286, & 272.
4. RIP-RAP CONSTRUCTION TO FOLLOW FOOT STANDARD INDEX NO. 298.
5. CULVERTS MUST BE INSTALLED AT START OF CONSTRUCTION.
6. MINIMUM CULVERT SIZE IS 15".
7. ENDED END SECTIONS REQUIRED WHEN SPEED LIMIT IS GREATER THAN 30 MPH.
8. GRADES REQUIRED FOR CULVERTS LARGER THAN 24".
9. SIDE SLOPES SHALL BE 2:1 (OR LESS) FOR 15" & 18" CULVERTS, AND 4:1 FOR CULVERTS 24" AND GREATER.
10. ALL REINFORCEMENT TO HAVE 2" MIN. COVER ON ALL SIDES.
11. UNIT COST OF CONCRETE CAP AND REINFORCING STEEL TO BE INCLUDED IN COST OF SAND CEMENT RIP-RAP ENDWALL.

ST JOHNS COUNTY
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
3340 Mosquito Control Road
ST AUGUSTINE, FLORIDA 32084
Phone (904) 809-0110  Fax (904) 809-0140

REVISION: 10/09

DESIGN DETAIL

RESIDENTIAL HEADWALLS

FILE NAME: D400.DWG