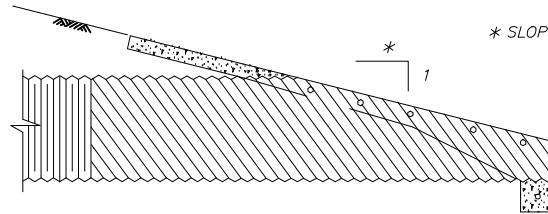


PLAN VIEW



CROSS SECTION

* SLOPE: 1:4 MITER: TO \odot PIPE FOR PIPES 18" AND SMALLER.
 1:2 FOR PIPES 24" AND LARGER.
 1:2 MITER: TO \odot PIPE FOR PIPES 18" AND SMALLER.
 1:1 FOR PIPES 24" AND LARGER.

GENERAL NOTES:

1. MINIMUM 12" FILL OVER TOP OF CULVERT.
2. EDGES MUST BE STABILIZED WITH A MINIMUM OF ONE 24" ROW OF SOD FOR ALL END TREATMENTS.
3. FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS SHALL BE USED AS A GUIDELINE FOR ALL END TREATMENTS, REFER TO INDICIES 261, 266, & 272.
4. CULVERTS MUST BE INSTALLED AT START OF CONSTRUCTION.
5. MINIMUM CULVERT SIZE IS 15".
6. MITERED END SECTIONS REQUIRED ON ALL CULVERT INSTALLATIONS.
7. GRATES REQUIRED FOR CULVERTS LARGER THAN 24".
8. SIDE SLOPES SHALL BE 2:1 (OR LESS) FOR 15", 18", & 24" CULVERTS, AND 4:1 FOR CULVERTS GREATER THAN 24".
9. TOE REQUIRED FOR PIPES GREATER THAN 24".

POURED IN PLACE
MITERED END SECTION



ST JOHNS COUNTY
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

2740 Industry Center Road
 ST AUGUSTINE, FLORIDA 32084
 Phone (904) 209-0110 • Fax. (904) 209-0140

REVISION

10/09

DESIGN DETAIL

RESIDENTIAL HEADWALLS
 MITERED END SECTION

EFFECTIVE DATE:

DETAIL NO.

401

APPROVED:

H.P. TOMPKINS, JR., P.E.
 COUNTY ENGINEER

FILE NAME: D401.DWG