



NOTES:

- 1.) RESTRAINED JOINT PIPE & FITTINGS MAY BE USED IN LIEU OF TIE-RODS & BLOCKS, J.C.M., M.J.R., "STAR GRIP", "ALL GRIP" OR APPROVED EQUAL. SUBMIT DETAILS TO THE CITY OF PANAMA CITY BEACH PUBLIC WORKS DEPARTMENT FOR APPROVAL.
- 2.) SEE SHEET M-4 FOR THRUST BLOCK DETAILS.
- 3.) ENGINEER TO DETERMINE REQUIRED LENGTH OF RESTRAINT EACH SIDE OF BEND.

CITY OF P.C.B.
UTILITIES DEPARTMENT

TYPICAL
CANAL
CROSSING

M-14

REV.	DATE
1	MAR '12

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DATE OF APPROVAL