

CANALS AND WATERWAYS

1. CANALS AND WATERWAYS SHALL BE AVOIDED EXCEPT WHEN APPROVED AND DEEMED BY THE CITY TO BE UNAVOIDABLE OR NECESSARY.
2. IN THE EVENT OF SUCH APPROVAL, CANALS OR WATERWAYS SHALL BE A MINIMUM OF 40' IN WIDTH PLUS MAINTENANCE AREA. THE MAINTENANCE AREA WIDTH OR EASEMENT SHALL BE A MINIMUM OF 20' ON ONE BANK AND 10' ON THE OPPOSITE BANK MEASURED FROM THE TOP OF BANK AND LOCATED ALONG THE ENTIRE LENGTH OF THE CANAL. THE MAINTENANCE OR EASEMENT WIDTH SHALL BE ESTABLISHED BY THE CITY BASED ON EXISTING AND FUTURE CONDITIONS AS WELL AS THE TYPES OF MAINTENANCE EQUIPMENT AVAILABLE.
3. CANALS OR WATERWAYS SHALL BE A MINIMUM OF 40' IN WIDTH PLUS REQUIRED MAINTENANCE AREAS.
4. CANALS SHALL HAVE A MINIMUM BOTTOM WIDTH OF 3' AND MAXIMUM PERMISSIBLE SIDE SLOPE OF 4:1 (HORIZONTAL:VERTICAL). SHARPER SLOPES MAY BE CONSIDERED BELOW THE NORMAL WATER LEVEL PROVIDING THAT ADDITIONAL BANK STABILIZATION MEASURES ARE INSTALLED BASED UPON THE RECOMMENDATIONS OF A CERTIFIED GEOTECHNICAL ENGINEER. CANAL BANKS SHALL BE SODDED.
5. WATERWAYS AFFECTED BY TIDAL ACTION SHALL HAVE A MINIMUM DEPTH OF 9' BELOW SEA LEVEL REFERENCING THE NORTH AMERICAN VERTICAL DATUM 1988. THESE WATERWAYS SHALL BE SEPARATED FROM FRESH WATER BY SALINITY DAMS AND SPILLWAY CONTROL STRUCTURES AS APPROVED BY THE CITY.

BRIDGES

1. BRIDGES SHALL BE CONSTRUCTED WITH BRIDGE CURB ON BOTH SIDES RUNNING ITS COMPLETE LENGTH.
2. STANDARD 48" WIDE SIDEWALKS SHALL BE PROVIDED ON BOTH SIDES SEPARATED FROM THE ROADWAY IN ACCORDANCE WITH THE FLORIDA GREEN BOOK (LATEST EDITION).
3. APPROACH GUARDRAILS OR FENCES SHALL BE PROVIDED WHERE REQUIRED FOR SAFETY BY THE CITY.
4. BRIDGE GEOMETRY, BRIDGE DESIGN, AND LOADING SHALL CONFORM TO THE DESIGN CRITERIA OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (LATEST EDITION).
5. PRIOR TO ACTUAL DESIGN OF THE BRIDGE, THE APPLICANT SHALL SUBMIT DESIGN LOAD CRITERIA TO THE CITY FOR APPROVAL.



STANDARD CONSTRUCTION DETAIL
CANALS, WATERWAYS AND BRIDGES DESIGN AND
CONSTRUCTION NOTES

REV. 12/18

FILE NAME:

ST2.DWG

DETAIL REF:

ST-2