



NOTES:

1. ON-SITE STORAGE ELEVATION FOR GREATER OF FIRST 1 IN. OF RUNOFF OR TOTAL RUNOFF PRODUCED BY 3-YR., 1-HR. RAINFALL FROM TOTAL AREA DRAINED BY SERVICE CONNECTION.
2. PEAK ON-SITE STORAGE ELEVATION FOR RUNOFF PRODUCED BY 3-YR., 24-HR. RAINFALL, FROM TOTAL AREA DRAINED BY SERVICE CONNECTION, NOT TO EXCEED H.G.L. ELEVATION AS NOTED IN NOTE 5.
3. PEAK ON-SITE STORAGE ELEVATION FOR RUNOFF PRODUCED BY 25-YR., 3-DAY RAINFALL, NOT TO EXCEED LOWER OF SITE PERIMETER BERM ELEVATION OR (FOR THOROUGHFARE-PLAN STREETS) PAVEMENT ELEVATION AS NOTED IN NOTE 6.
4. STORM SEWER HYDRAULIC GRADE LINE ELEVATION AT ZERO FLOW IN RECEIVING SEWER (i.e., TAILWATER ELEVATION TO BE USED FOR DETERMINING STAGE VS. DISCHARGE OF CONTROL DEVICE)
5. STORM SEWER HYDRAULIC GRADE LINE ELEVATION AT DESIGN PEAK FLOW AT POINT OF CONNECTION. IF NOT OTHERWISE KNOWN, USE 1 FT. BELOW INLET ELEVATION OF NEXT UPSTREAM ON-LINE INLET.
6. PAVEMENT ELEVATION AT OUTSIDE EDGE OF HIGHEST THROUGH LANES (ONE IN EACH DIRECTION) FOR THOROUGHFARE-PLAN STREET.



**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

**SERVICE CONNECTION TO
ROADWAY STORM RETENTION POND
(HYDRAULIC DESIGN SCHEMATIC)**

EFFECTIVE DATE:

DETAIL NO. 502

APPROVED:


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