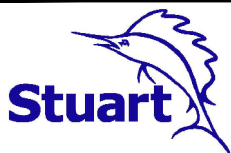


NOTES:

1. PILE BUILD-UP, WHEN REQUIRED, SHALL BE ACCOMPLISHED WITH FOUR (4) #10 DOWEL 3" LONG SET IN 1-3/4" DIA. DRILLED HOLES WITH EPOXY MORTAR. PROVIDE FOUR (4) #5 LONGITUDINAL BARS AS LONGITUDINAL REINFORCING. SPIRAL TIES SHALL BE #5 CONTINUOUS. SPIRALS SHALL BE TIED TO AT LEAST TWO (2) LONGITUDINAL BARS FOR EACH WRAP.
2. PILING AS PER F.D.O.T. STANDARD SPECIFICATION SECTION 455.
3. SPIRAL TIES: EACH WRAP OF SPIRALS SHALL BE TIED TO AT LEAST TWO (2) CORNER STRANDS. ONE (1) TURN REQUIRED FOR SPIRAL SPLICES. SPIRALS MAY BE MANUFACTURED FROM STOCK MEETING REQUIREMENTS OF ANY GRADE OF REINFORCING STEEL OR HARD DRAWN STEEL.
4. CONCRETE CLASS: CONCRETE FOR ALL PILES SHALL BE CLASS V (SPECIAL). CLASS V (SPECIAL) CONCRETE SHALL CONFORM TO THE REQUIREMENTS FOR CLASS V CONCRETE EXCEPT FOR THE 28 DAY STRENGTH AS NOTED BELOW.
5. CONCRETE STRENGTH: THE CYLINDER STRENGTH SHALL BE 6,000 PSI MINIMUM AT 28 DAYS AND 4,000 PSI MINIMUM AT TRANSFER OF THE PRESTRESSING FORCE.
6. PILES SHALL BE MARKED AT PICK-UP POINTS TO INDICATE PROPER POINTS FOR ATTACHING HANDLING LINE.
7. REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE EITHER GRADE 40 OR 60. UNLESS OTHERWISE NOTED. SEE ENVIRONMENTAL REQUIREMENTS NOTE FOR SPLICE REINFORCING ONLY (SPIRAL TIES AND PRESTRESSING STRAND ARE UNCOATED FOR ALL ENVIRONMENTAL CLASSES).
8. STRAND NOMENCLATURE: S.R.S. = STRESS RELIEVED STRAND
L.R.S. = LOW-RELAXATION STRAND.



STANDARD UTILITY DETAILS
City of Stuart
Utilities & Engineering Department

121 S.W. Flagler Avenue, Stuart, Florida 34994

CONCRETE PILE NOTES

DATE: OCTOBER 2021
FILE NAME: 2021 COS Std Details.dwg

SHEET NUMBER
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