NOTES: 1. For Sections D-D, & E-E, see Index Nos. D22614, D22624 for applicable concrete pile size and Pile Splice Reinforcement Details. 2. Prestressing strands, spiral ties and/or reinforcement are not shown for clarity. ½" (applied), 3. In cases where pile splices are desired due to length limitations in shipping and/or handling, the "Drivable Preplanned Prestressed Precast Splice Detail" shall be used. 4. When preformed dowel holes are utilized, the 1" spiral tie pitch shall be continued to 4'-0" below the head of the pile, See Index Nos. D22624. Preformed holes shall utilize either removable preforming material or stay-in-place corrugated galvanized steel ducts. Stay-in-place ducts shall be fabricated from galvanized sheet steel meeting the requirements of ASTM A653, Coating Designation G90, 26 gauge. Ducts shall be $1\frac{1}{2}$ " diameter with a minimum corrugation (rib) height of 0.12 in. Ducts shall Form to retain be fabricated with either welded or interlocked seams. Galvanizing of welded seams will not be required. epoxy compound Full epoxy compound joint 5. For tension piles where top of Prestressed Pile is less than 3 feet below Pile Cut-off Elevation, extend No. 6 CFRP Bars into cap beyond Pile Cut-off Elevation to achieve Gasket development as approved by the Engineer. 1" Cover DETAIL A at End Build-up section Splice or C-I-P Concrete Bent Cap, Pile Cap No. 6 CFRP Bars or Footing Full length of Build-up Pile Cut-off Elevation extension No chamfer, No. 6 flat surface CFRP Bar CFRP Bars required Dowe/ M Build-up CFRP Bars D D E Build-up D D Full epoxy compound joint -Top of Prestressed Pile Epoxy compound тт пін т E Ε to fill hole with тт п¦н н (Typ.) See Plus dowels in place 1" Aux. Rebar End Cover тгийн н Detail A S. Detail A Detail A No. 6 CFRP Bars тт прт п Extended into тгийн тү Cap/ Footing to E $1\frac{1}{4}$ " Ø Drilled or Pile cut-off preformed holes น เป็น น Elevation; и ии н (see Splice Details) See Note 5. Preformed holes, 4'-8" long, in driven pile (see Note No. 4) Auxiliary CFRP reinforcing Bars cast with pile. See Section F-F. TYPICAL SPLICE BEFORE BONDING NONDRIVABLE UNFORESEEN UNFORESEEN DRIVABLE UNFORESEEN DRIVABLE PREPLANNED REINFORCED PRECAST PRESTRESSED PRECAST REINFORCED C-I-P PRESTRESSED PRECAST PILE BUILD-UP DETAIL PILE SPLICE DETAIL PILE BUILD-UP DETAIL PILE SPLICE DETAIL DESCRIPTION: INDEX SHEET DEVELOPMENTAL SQUARE CFRP PRESTRESSED **REVISION** NO. NO. **FDOT** CONCRETE PILE SPLICES DESIGN STANDARDS 11/01/14 D22601 1 of 1