NOTES:

- 1. For Sections D-D, & E-E, see Index 455-112, 455-114, 455-118, 455-124 or 455-130 for applicable concrete pile size and Pile Splice Reinforcement Details.
- 2. Prestressing strands, spiral ties and/or reinforcement are not shown for clarity.

C-I-P Concrete

Bent Cap, Pile Cap

- 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 455-118, 455-124. 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 11/3" diameter for CFRP Bars, and 2" diameter for SS Bars with a minimum corrugation (rib) height of 0.12 in. Ducts shall be fabricated with either welded or interlocked seams. Galvanizing of welded seams will not be required.

1" Cover

at End

No. 6 CFRP Bars

Full length of

Build-up

D

-See

Detail A

or No. 10 SS Bars

Bars)

⁹¶E

5" (SS E (CFRP

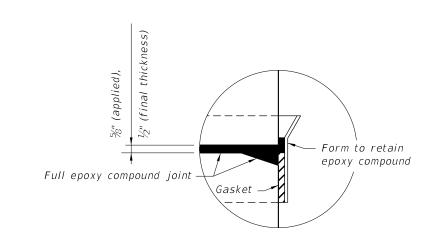
5. For tension piles where top of Prestressed Pile is less than 3 feet below Pile Cut-off Elevation, extend No. 6 CFRP Bars or No. 10 SS into cap beyond Pile Cut-off Elevation to achieve development as approved by the Engineer.

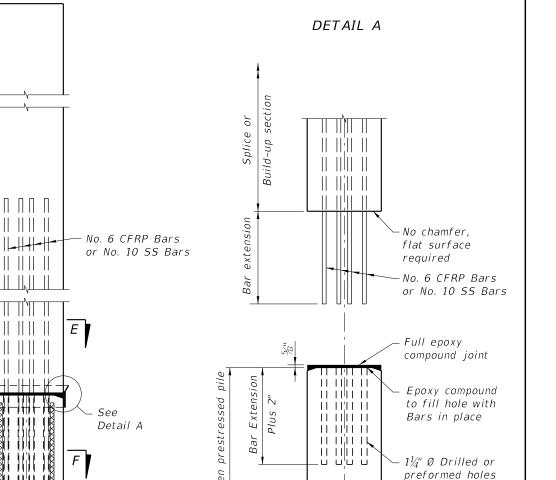
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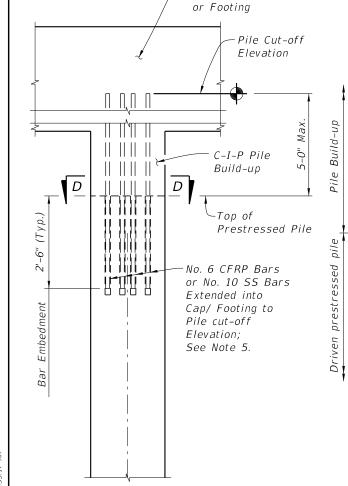
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tension







NONDRIVABLE UNFORESEEN REINFORCED PRECAST PILE BUILD-UP DETAIL

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DRIVABLE UNFORESEEN PRESTRESSED PRECAST PILE SPLICE DETAIL

U U!U U

_No. 6 CFRP Bars

See petail A ss

Ε

or No. 10 SS Bars

Bars) Bars)

(CFRP (55

(CFRP Bars)

Bars

(58)

<u>.</u>9-

10'

extension

Bar

E

10'-6"

DRIVABLE PREPLANNED PRESTRESSED PRECAST PILE SPLICE DETAIL

TYPICAL SPLICE BEFORE BONDING

UNFORESEEN REINFORCED C-I-P PILE BUILD-UP DETAIL

DESCRIPTION:

FY 2024-25 STANDARD PLANS Preformed holes, 4'-2"

Auxiliary SS reinforcing Bars cast with pile. See

Section F-F: Not Required for CFRP Prestressed

(SS Option) or 4'-8"

(CFRP Option) long,

in driven pile (see

Pile Option.

Note No. 4)

for CFRP Bars, or

1¾" Ø Drilled or

preformed holes

(see Splice Details)

for SS Bars

LAST

REVISION

01/01/16