ALL PILES TO BE VERTICAL

2'-6" MAX.

#5 STIRRUPS @ 1'-6"

#5 VERTICAL BARS @ 1'-0" BOTH FACES

@ 2'-0" SPA.

#5 BARS @ EQUALLY SPACED.

1'-0" MIN.

1'-3" MAXIMUM SPA. 8'-0"

#4 BARS @ 1'-0"

2" CL.

#4 BARS @ 1'-0"

2" X 6" BEVELED KEYWAY

OPTIONAL CONST. JOINT WITH 3" MIN. 2'-0"

CONCRETE PILING LAYOUT SIMILAR.

STEEL PILING SHOWN. CAST IN PLACE @ ENDS.

@ 4 EQ. SPA'S.

#5 BARS @ EQ. SPACES.

LOOKING UP STATION

2" X 6" BEVELED KEYWAY, FOR CONCRETE SLAB SUPERSTRUCTURE PARALLEL TO GRADE MAKE TOP OF PIER TO BE LEVEL.

BOTTOM OF SHAFT CONCRETE PILING LAYOUT SIMILAR.

2" CL. TYP.

#5 @ 1'-0" MAX., TYP.

#5 @ 1'-0"

2" CL. TYP.

#4 BARS @ 1'-0"

#4 BARS @ 1'-0"

2" X 6" BEVELED KEYWAY

STABLE SYMMETRY

FOR PILE SPACE DETAIL SEE STANDARD 11.01

SEE STANDARD 13.01 FOR ADDITIONAL, APPLICABLE DESIGNER NOTES

OF PILE ENCASED PIER.

CONSTRUCTION JOINTS ARE NOT REQUIRED, REGARDLESS OF LENGTH OF PILE ENCASED PIER.

COFFERDAMS

SEE BRIDGE MANUAL SECTION 13.2.3 AND STANDARD 13.09 FOR GUIDANCE ON PIER TYPES, DETAILS, AND APPLICABLE BID ITEMS.

SEE BRIDGE MANUAL SECTION 13.1.5 FOR GUIDANCE ON COFFERDAMING.

CONSTRUCTION JOINTS ARE NOT REQUIRED REGARDLESS OF LENGTH OF PILE ENCASED PIER.

SEE STANDARD 13.03 FOR ADDITIONAL APPLICABLE DESIGNER NOTES.

COFFERDAM SHALL BE Dewatered PRIOR TO PLACING PIER CONCRETE.

AT PIER __, COFFERDAM AND COFFERDAM DewaterING REQUIRED.

COFFERDAM SHALL NOT EXCEED 10.0 FEET IN DEPTH, UNLESS APPROVED OTHERWISE.

At pier __, concrete poured underwater will be allowed and shall be done in accordance with standard spec 502.3.5.3.

Concrete poured underwater shall not exceed 6.0 feet in depth, unless approved otherwise.

Concrete poured underwater shall not exceed 8.0 feet in depth, unless approved otherwise.

Concrete poured underwater shall not exceed 10.0 feet in depth, unless approved otherwise.

ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH STANDARD SPEC 502.3.5.3.

STABLE STREAMBED

COFFERDAM SHALL BE Dewatered PRIOR TO PLACING PIER CONCRETE.

COFFERDAM SHALL NOT EXCEED 10.0 FEET IN DEPTH, UNLESS APPROVED OTHERWISE.

At pier __, concrete poured underwater will be allowed and shall be done in accordance with standard spec 502.3.5.3.

Concrete poured underwater shall not exceed 6.0 feet in depth, unless approved otherwise.

Concrete poured underwater shall not exceed 8.0 feet in depth, unless approved otherwise.

Concrete poured underwater shall not exceed 10.0 feet in depth, unless approved otherwise.

ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH STANDARD SPEC 502.3.5.3.