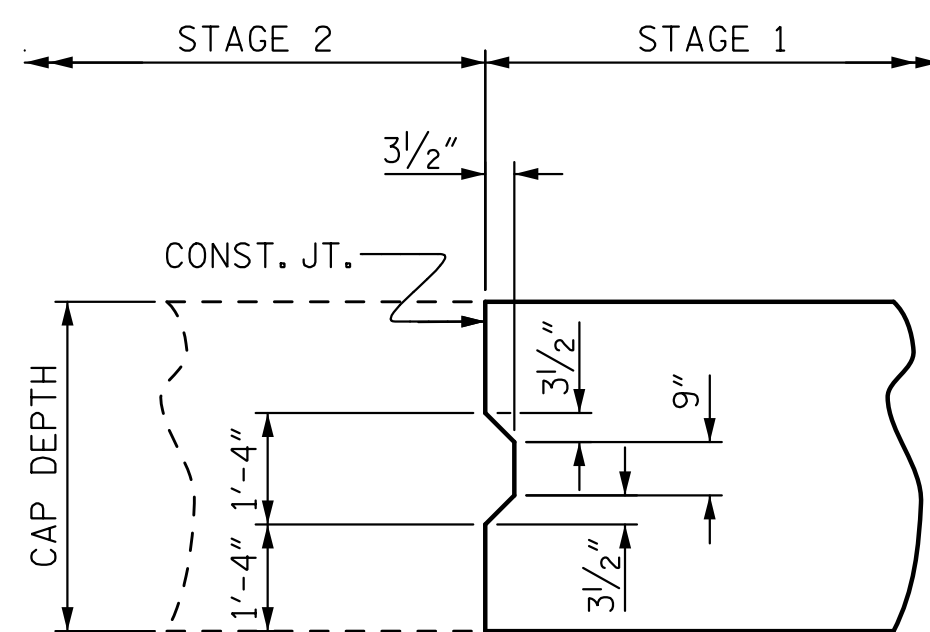


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

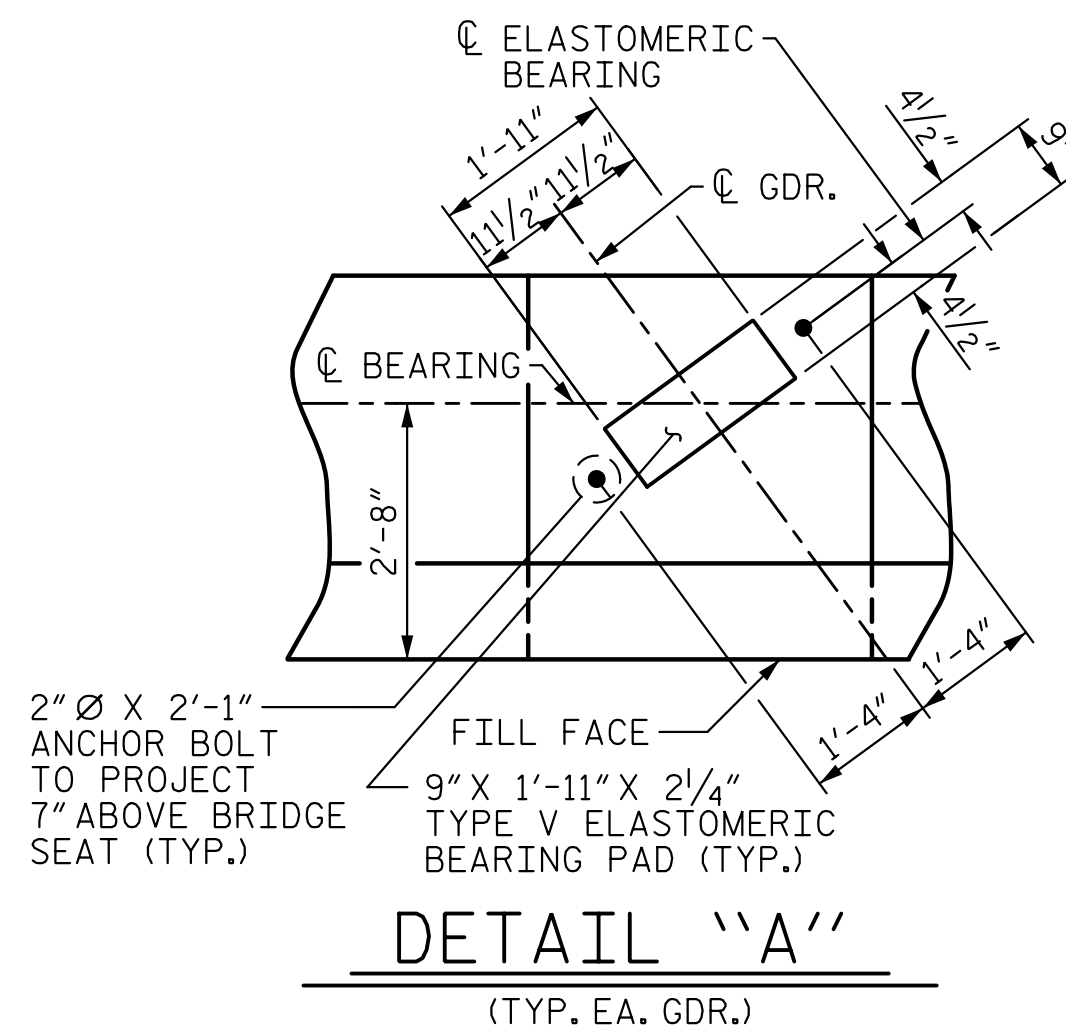
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

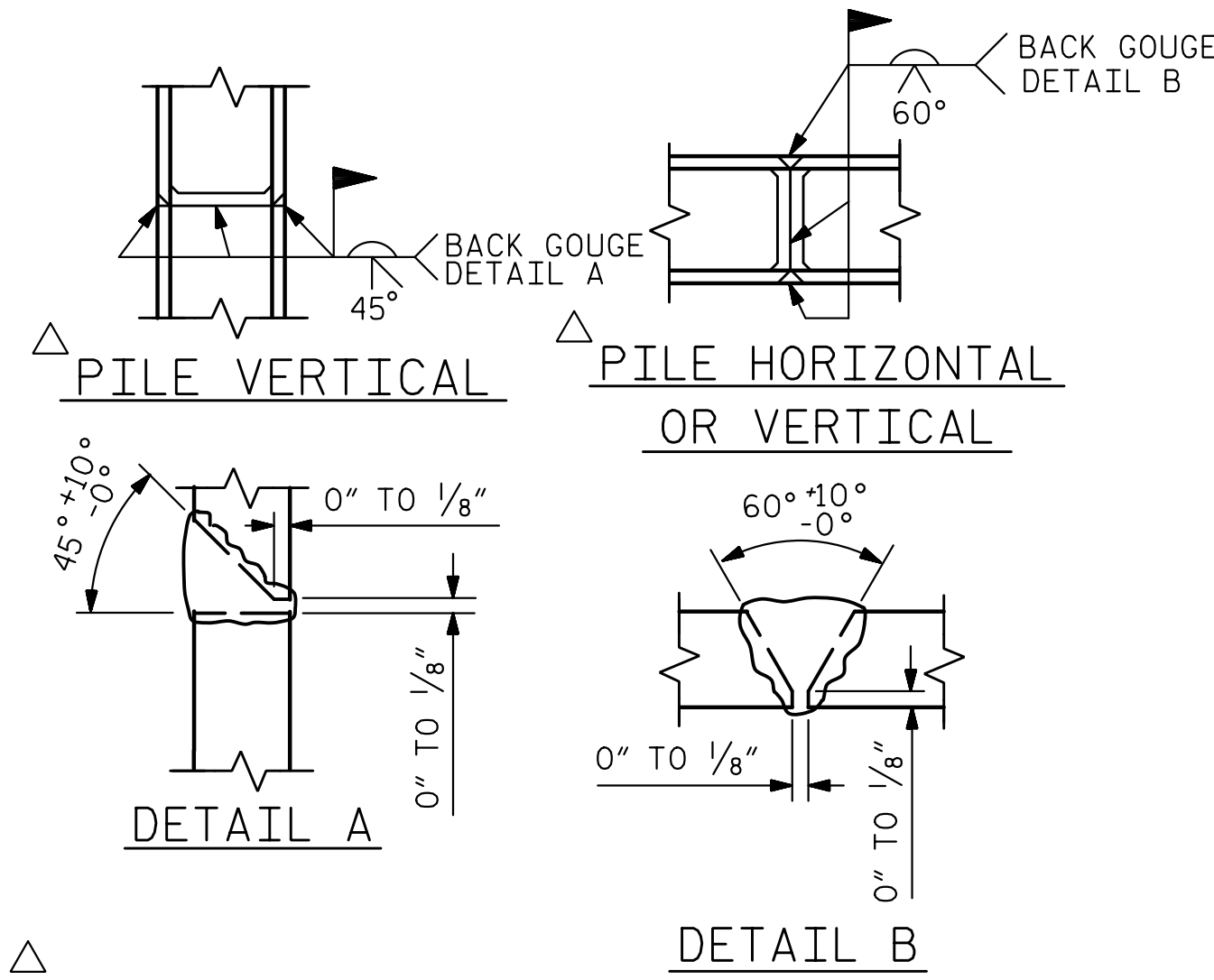
TEMPORARY DRAINAGE AT END BENT



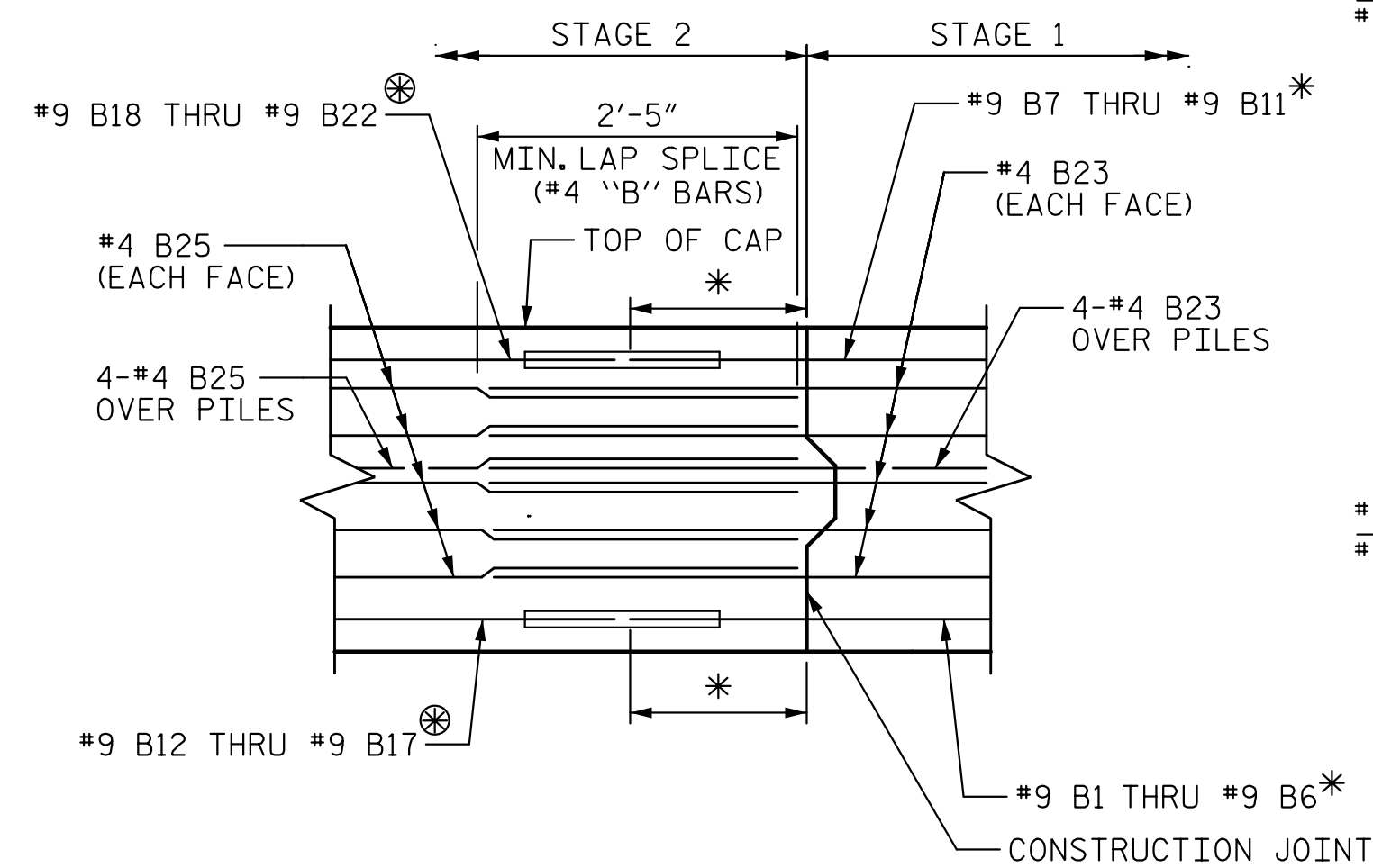
SHEAR KEY DETAIL



DETAIL "A"
(TYP. EA. GDR.)



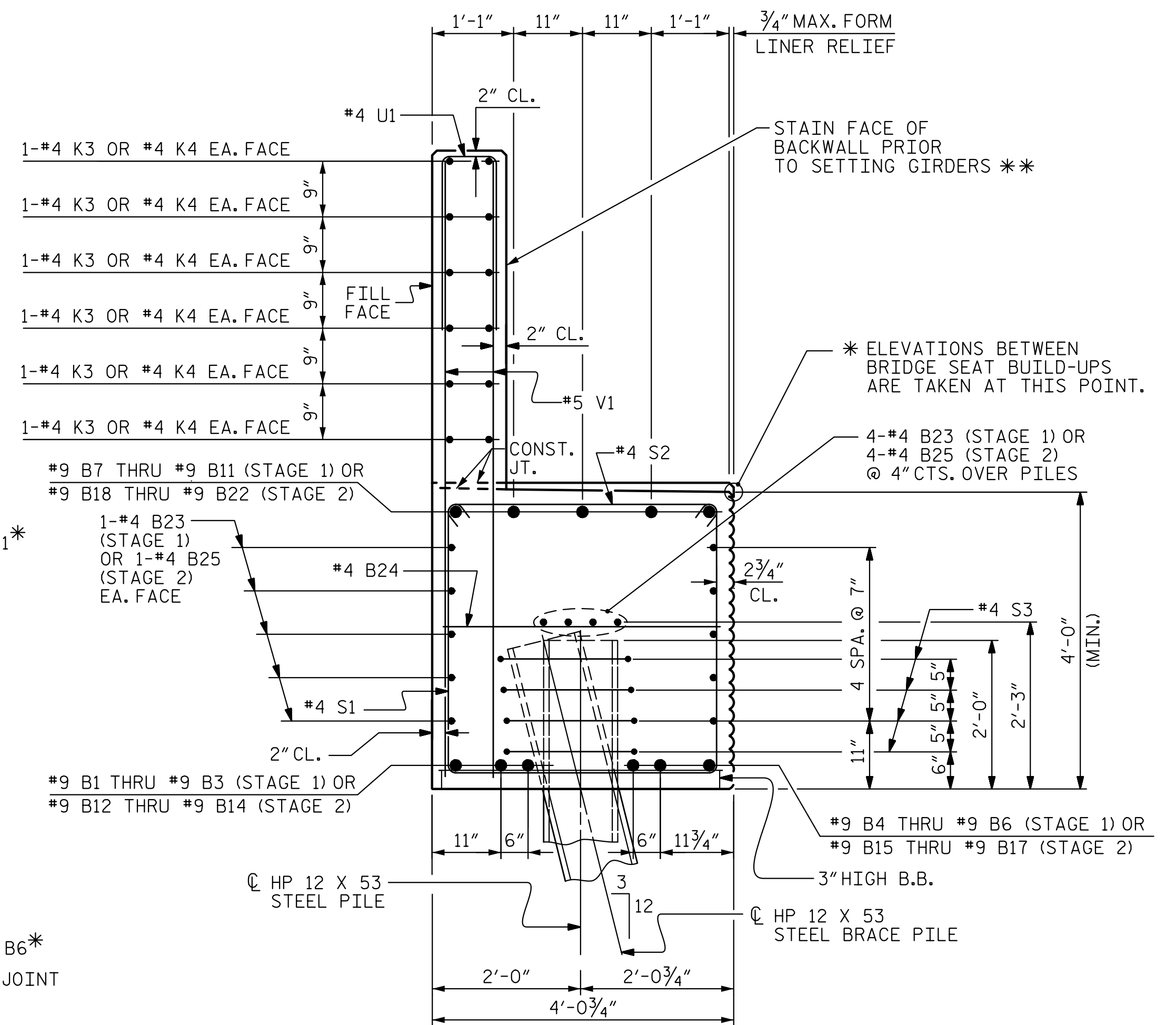
PILE SPLICE DETAILS



DETAIL "B"

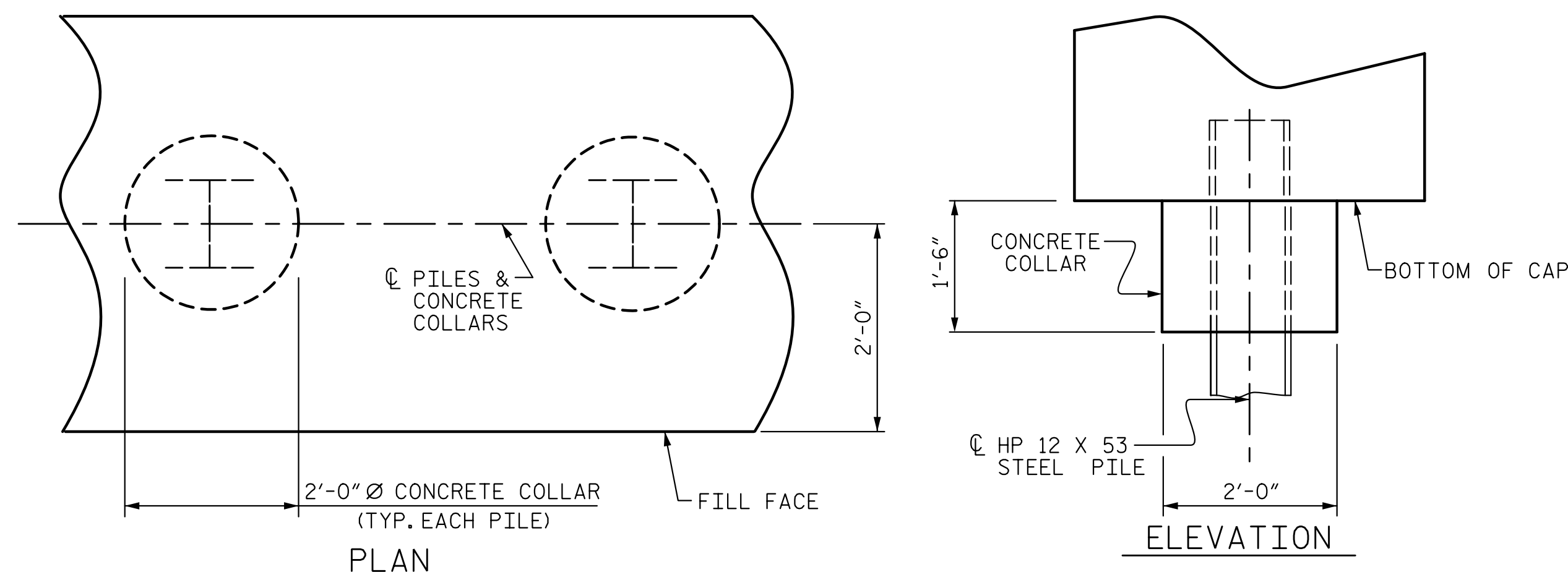
* STAGE 1 TOP AND BOTTOM MAIN "B" BARS ARE DETAILED WITH STAGGERED 1'-0" AND 2'-0" EXTENSIONS BEYOND CONSTRUCTION JOINT.

⊗ PLACE ALL BARS IN STAGE 2 AT OR NEAR THE END OF BARS EXTENDING FROM STAGE 1.



SECTION A-A

CONCRETE COLLAR NOT SHOWN FOR CLARITY. SEE "CORROSION PROTECTION FOR STEEL PILES DETAIL."



CORROSION PROTECTION FOR STEEL PILES DETAIL

** SEE SPECIAL PROVISIONS FOR APPLICATION OF BRIDGE COATING.

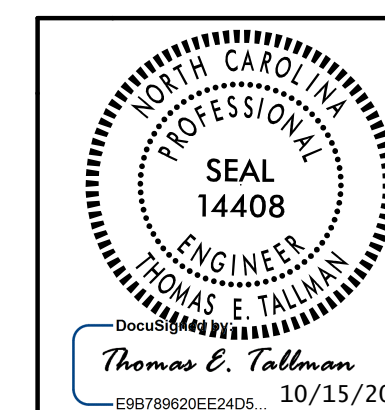
PROJECT NO. B-4159
JACKSON COUNTY
STATION: 20+16.00 -L-

SHEET 3 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 1
DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-47
1			3			TOTAL SHEETS 64
2			4			



10/14/2015 11:51 AM c:\engineer\se7... b4159_sd.e1_03.dgn ICA Engineering Inc

DRAWN BY : D. H. CARTER DATE : SEP 2015
CHECKED BY : K. M. MOBLEY DATE : SEP 2015
DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE : OCT 2015