

NOTES

PROVIDE 1/4" HIGH BEAM BOLSTERS UPPER AT 4'-0" CTS. ATOP THE METAL STAY-IN-PLACE FORMS TO SUPPORT THE BOTTOM MAT OF 'A' BARS. WHEN USING REMOVABLE FORMS, PROVIDE CONTINUOUS HIGH CHAIRS FOR METAL DECK (C.H.C.M.) @ 4'-0" CTS. WITH A HEIGHT TO SUPPORT THE BOTTOM MAT OF 'A' BARS A CLEAR DISTANCE OF 2 1/2" ABOVE THE TOP OF THE REMOVABLE FORM.

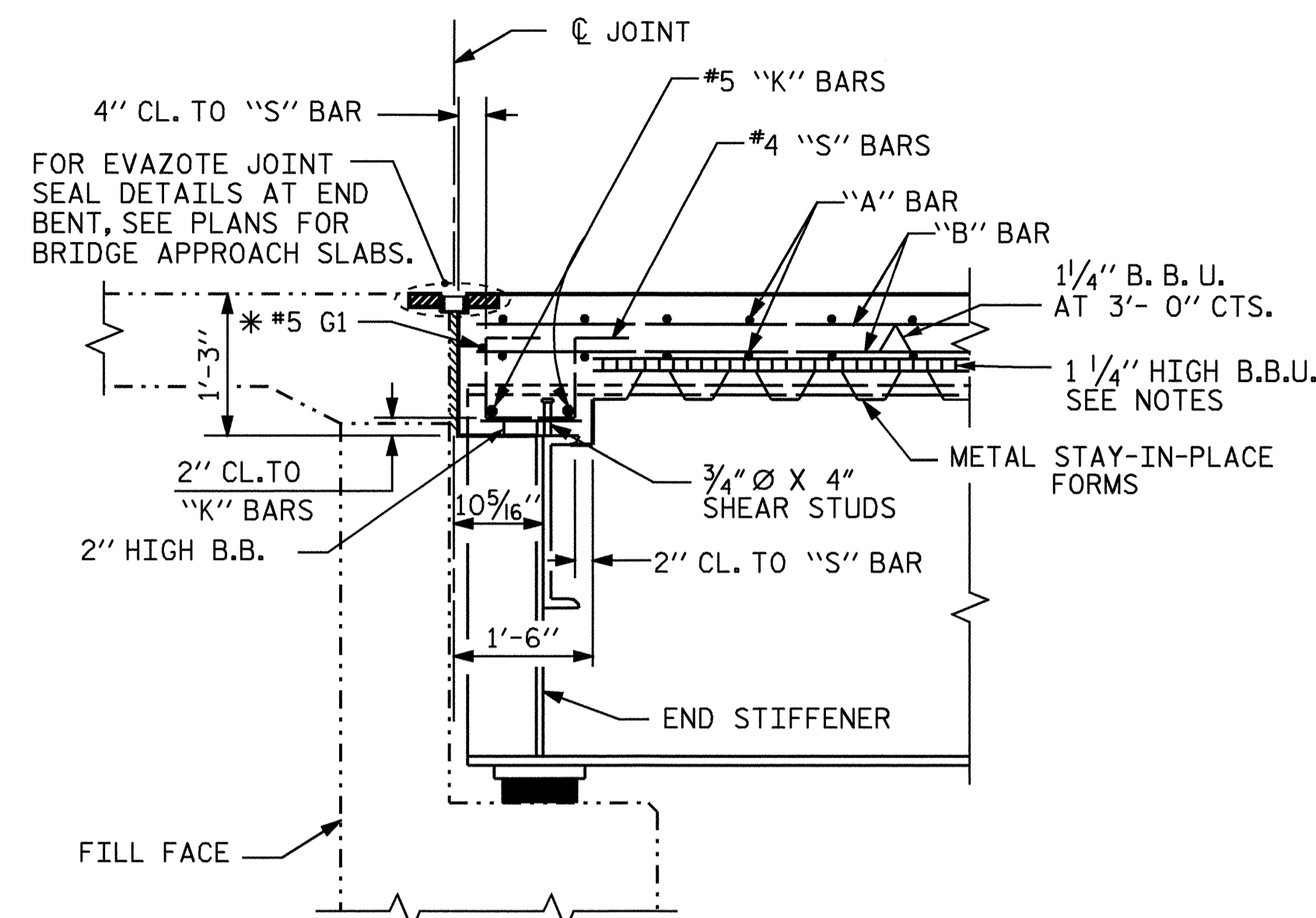
DOWELS SHALL BE PLACED IN THE SAME HORIZONTAL PLANE AS THE TOP SLAB REINFORCING STEEL.

THE CONTRACTOR MAY, WHEN NECESSARY, PROPOSE A SCHEME FOR AVOIDING INTERFERENCE BETWEEN METAL STAY-IN-PLACE FORM SUPPORTS OR FORMS AND BEAM/GIRDER STIFFENERS OR CONNECTOR PLATES. THE PROPOSAL SHALL BE INDICATED, AS APPROPRIATE, ON EITHER THE STEEL WORKING DRAWINGS OR THE METAL STAY-IN-PLACE FORM WORKING DRAWINGS.

A FULL DEPTH SAW CUT SHALL BE MADE AND EXISTING CONCRETE REMOVED IN ACCORDANCE WITH PLAN DETAILS FOR ELECTRICAL CONDUIT DETAILS, SEE "ELECTRICAL CONDUIT SYSTEM DETAILS" PLAN SHEETS.

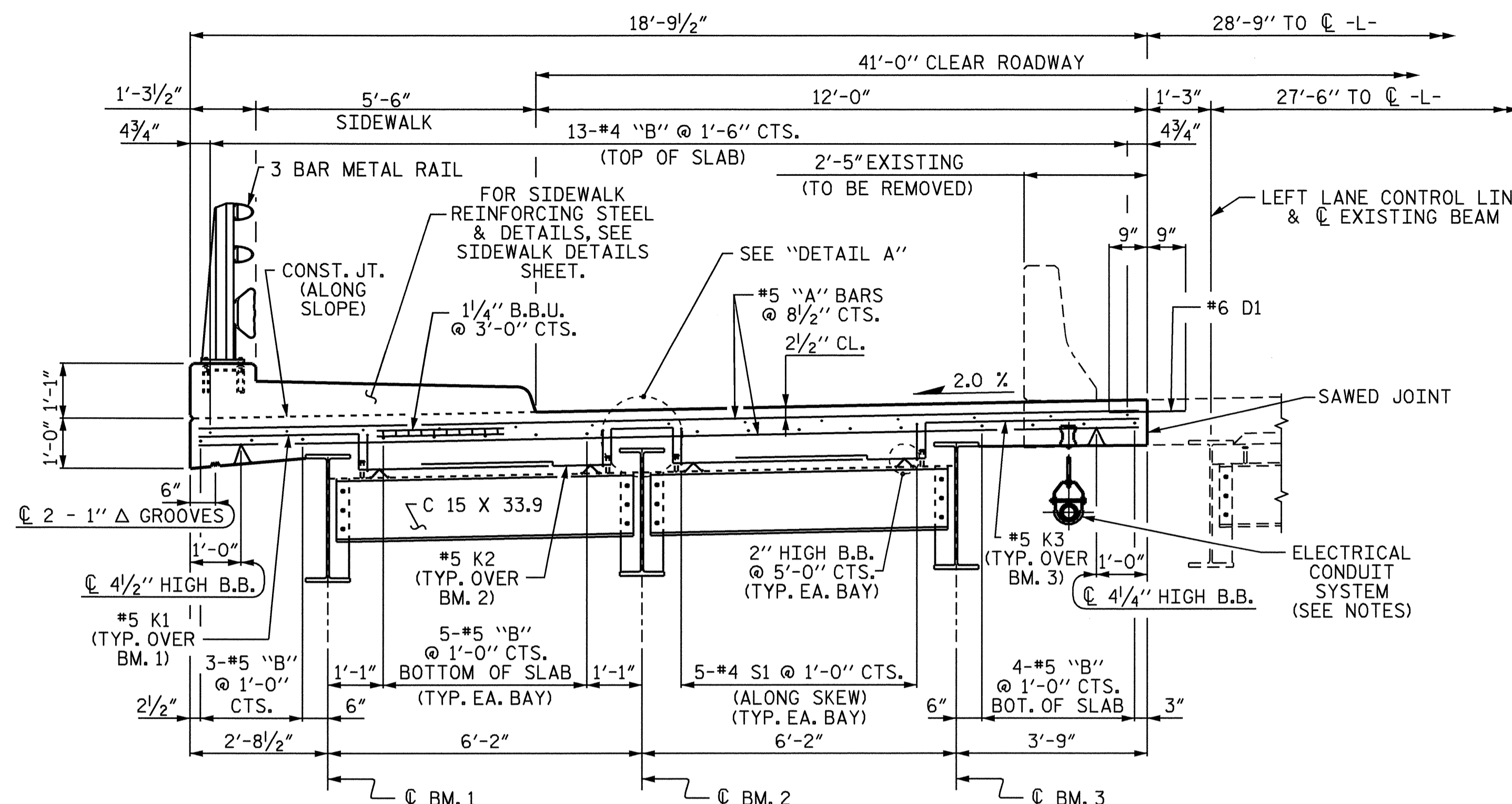
THE D1 DOWELS PLACED IN THE EXISTING DECK SHALL BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SPECIAL PROVISIONS.

IN ORDER TO FACILITATE A SMOOTH TRANSITION FROM THE EXISTING BRIDGE DECK TO THE PROPOSED DECK WIDENING, THE CONTRACTOR SHALL NOT BEGIN THE FINISHING PROCESS FOR THE DECK WIDENING UNTIL ALL CONCRETE HAS BEEN PLACED IN THAT SPAN. THIS DECK POUR PROCESS WILL BE REQUIRED FOR ALL SPANS.



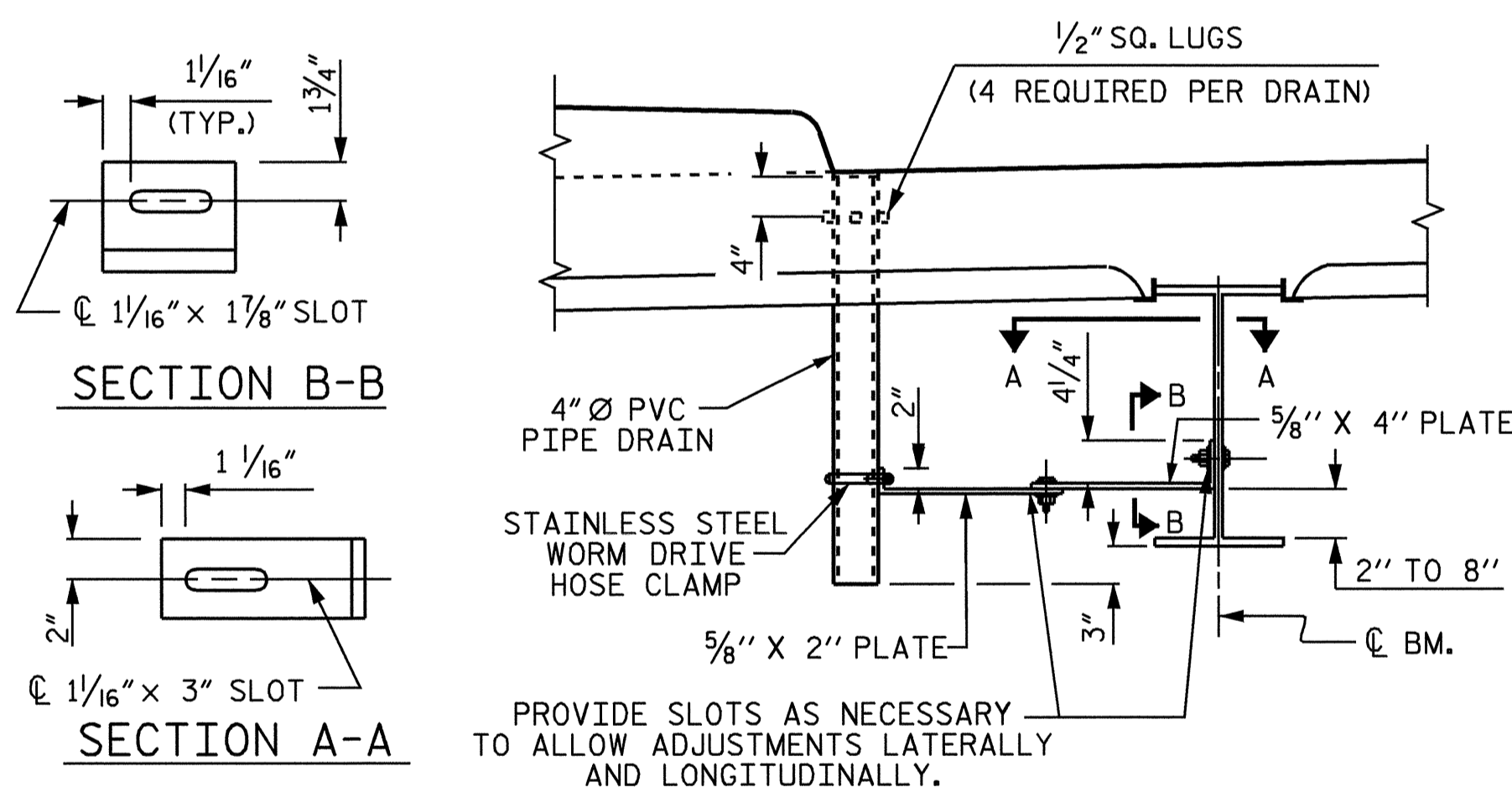
SECTION THRU END BENTS

* #5 G1 BAR MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO CLEAR REINFORCING STEEL.



TYPICAL SECTION

SHOWING END BENT DIAPHRAGMS



DRAIN CONNECTOR DETAIL

(14 DRAINS REQUIRED)

COUPLING IN DRAIN PIPE WILL BE PERMITTED AS APPROVED BY THE ENGINEER.

TOP OF FLOOR DRAIN TO BE SET 3/8\"/>

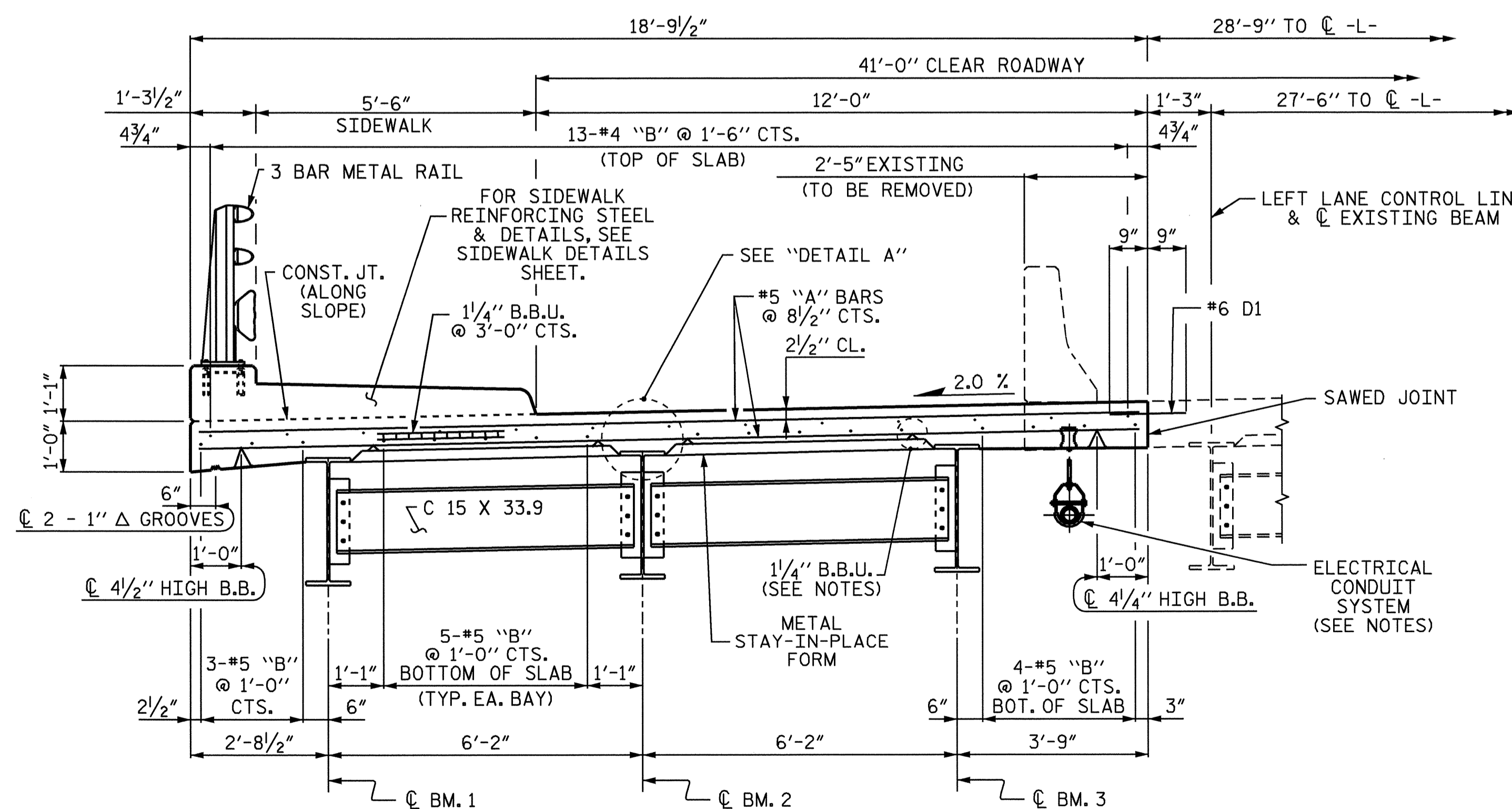
4 - 1/2\"/>

BOLT SIZE TO BE SAME AS DIAPHRAGM AND CROSSFRAME CONNECTIONS. STAINLESS STEEL WORM DRIVE HOSE CLAMP SHALL BE COMMERCIAL QUALITY.

PVC DECK DRAINS SHALL BE PAINTED WITH TWO COATS OF BROWN PRIMER MEETING THE REQUIREMENTS OF ARTICLE 1080-12 OF THE STANDARD SPECIFICATIONS. EACH COAT SHALL BE 2 DRY MILS THICK. DECK DRAINS SHALL BE ROUGHENED PRIOR TO PAINTING. NO SEPARATE PAYMENT SHALL BE MADE FOR PAINTING PVC DECK DRAINS AS THIS IS CONSIDERED INCIDENTAL TO THE PAY ITEM FOR REINFORCED CONCRETE DECK SLAB

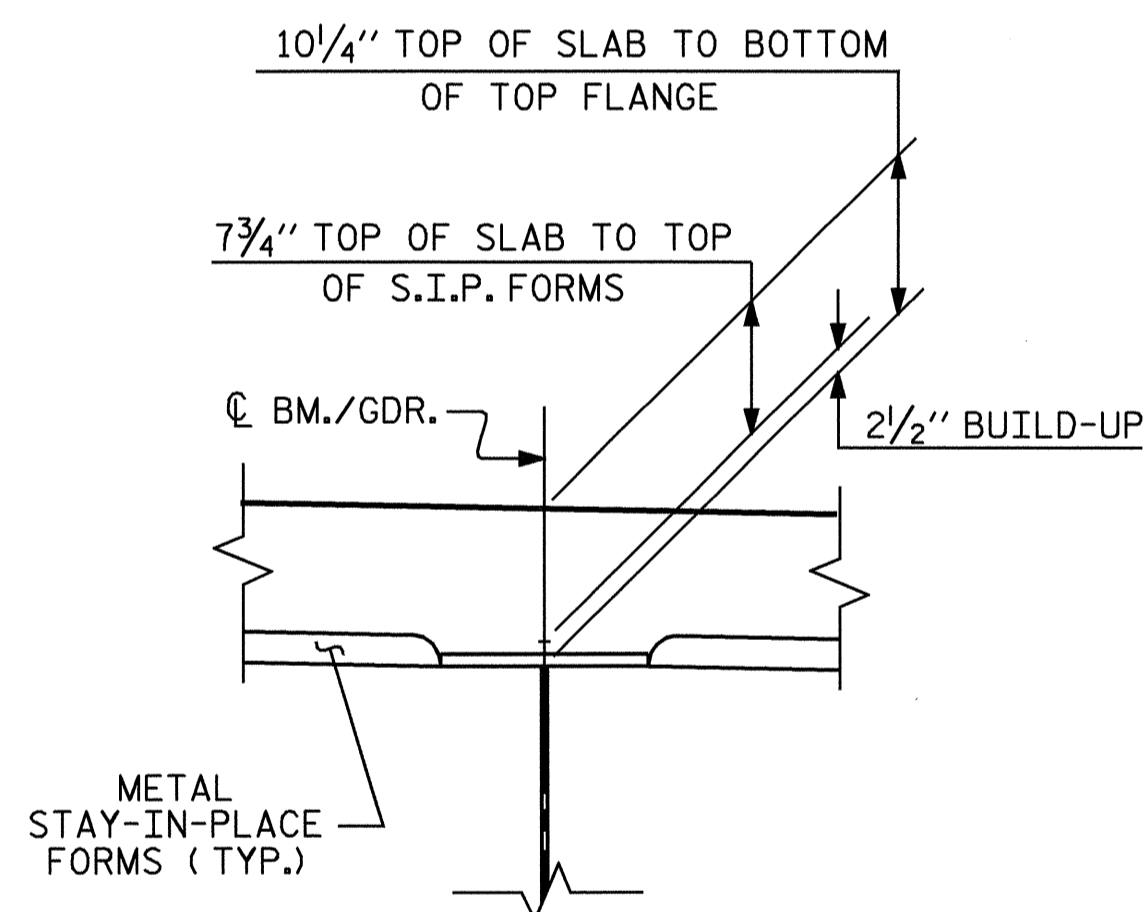
THE 4\"/>

PLATES SHALL CONFORM TO AASHTO M270 GRADE 36 STEEL OR APPROVED EQUAL.



TYPICAL SECTION

SHOWING INTERMEDIATE DIAPHRAGMS FOR SPANS A & D



DETAIL A

PROJECT NO. U-3837
FORSYTH COUNTY
 STATION: 21+64.07 -L-

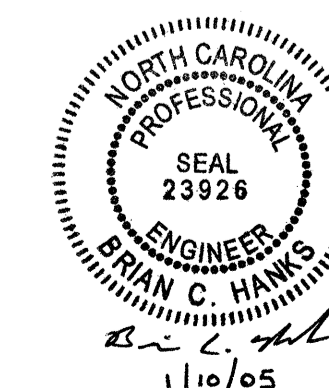
SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 TYPICAL SECTIONS
 AND DETAILS**

(LEFT LANE WIDENING)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-4
1			3			TOTAL SHEETS
2			4			78



DRAWN BY: William J. Parker DATE: 02/03/04
 CHECKED BY: K. K. PUROHIT DATE: 5/25/04