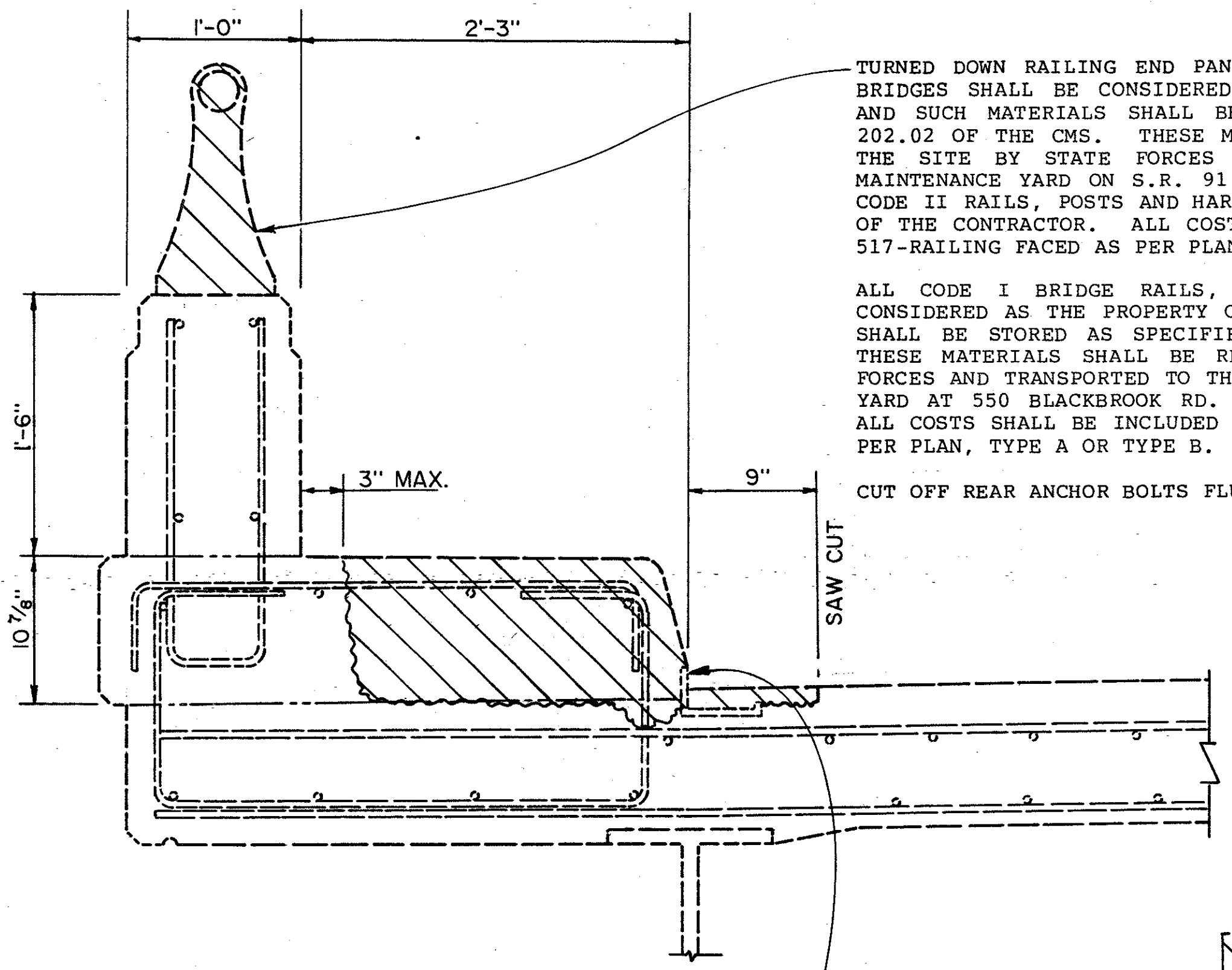


NOV 4 1992



REMOVAL PLAN

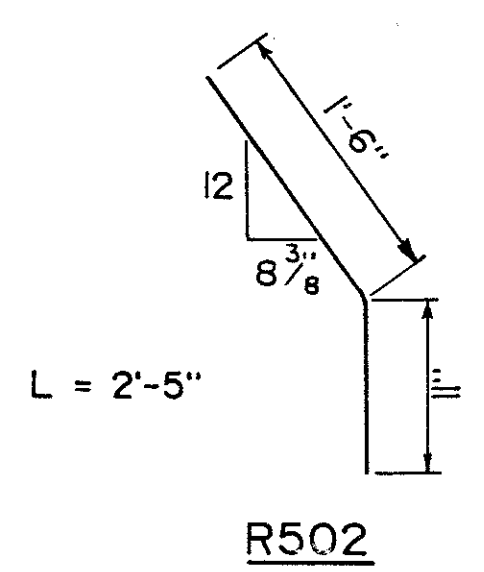
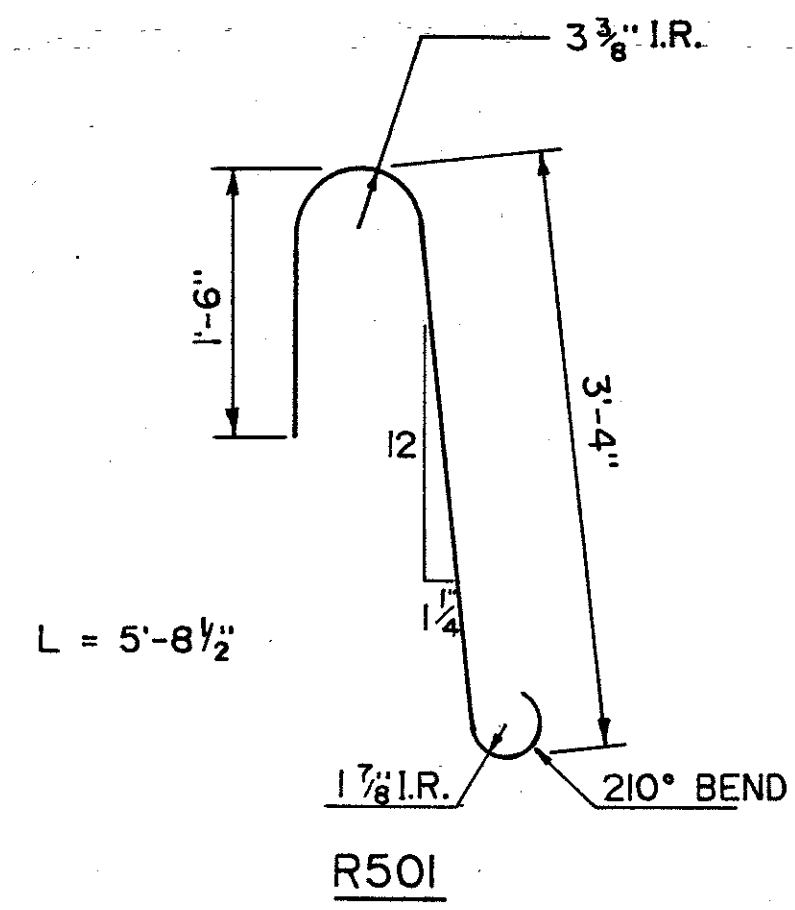
TURNED DOWN RAILING END PANELS FROM PARTICIPATION CODE II BRIDGES SHALL BE CONSIDERED AS THE PROPERTY OF THE STATE AND SUCH MATERIALS SHALL BE STORED AS SPECIFIED IN ITEM 202.02 OF THE CMS. THESE MATERIALS SHALL BE REMOVED FROM THE SITE BY STATE FORCES AND TRANSPORTED TO THE STATE MAINTENANCE YARD ON S.R. 91 IN MAYFIELD, OHIO. ALL OTHER CODE II RAILS, POSTS AND HARDWARE SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ALL COSTS SHALL BE INCLUDED UNDER ITEM 517-RAILING FACED AS PER PLAN, TYPE A OR TYPE B.

ALL CODE I BRIDGE RAILS, POSTS AND HARDWARE SHALL BE CONSIDERED AS THE PROPERTY OF THE STATE AND SUCH MATERIALS SHALL BE STORED AS SPECIFIED IN ITEM 202.02 OF THE CMS. THESE MATERIALS SHALL BE REMOVED FROM THE SITE BY STATE FORCES AND TRANSPORTED TO THE LAKE COUNTY ENGINEERS CENTRAL YARD AT 550 BLACKBROOK RD. IN PAINESVILLE TOWNSHIP, OHIO. ALL COSTS SHALL BE INCLUDED UNDER ITEM 517-RAILING FACED AS PER PLAN, TYPE A OR TYPE B.

CUT OFF REAR ANCHOR BOLTS FLUSH WITH THE TOP OF PARAPET.

INDICATES REMOVAL AREA (REMOVE EXISTING STEEL AS SHOWN IN PROPOSED TYPICAL)

REMOVE VERTICAL LEG. OF BULB ANGLE, IF REMAINING BULB ANGLE BECOMES LOOSE OR IF UNSOUND CONCRETE EXISTS BENEATH THE BULB ANGLE THE CONTRACTOR SHALL REMOVE THE ENTIRE BULB ANGLE AT NO ADDITIONAL EXPENSE TO THE STATE.



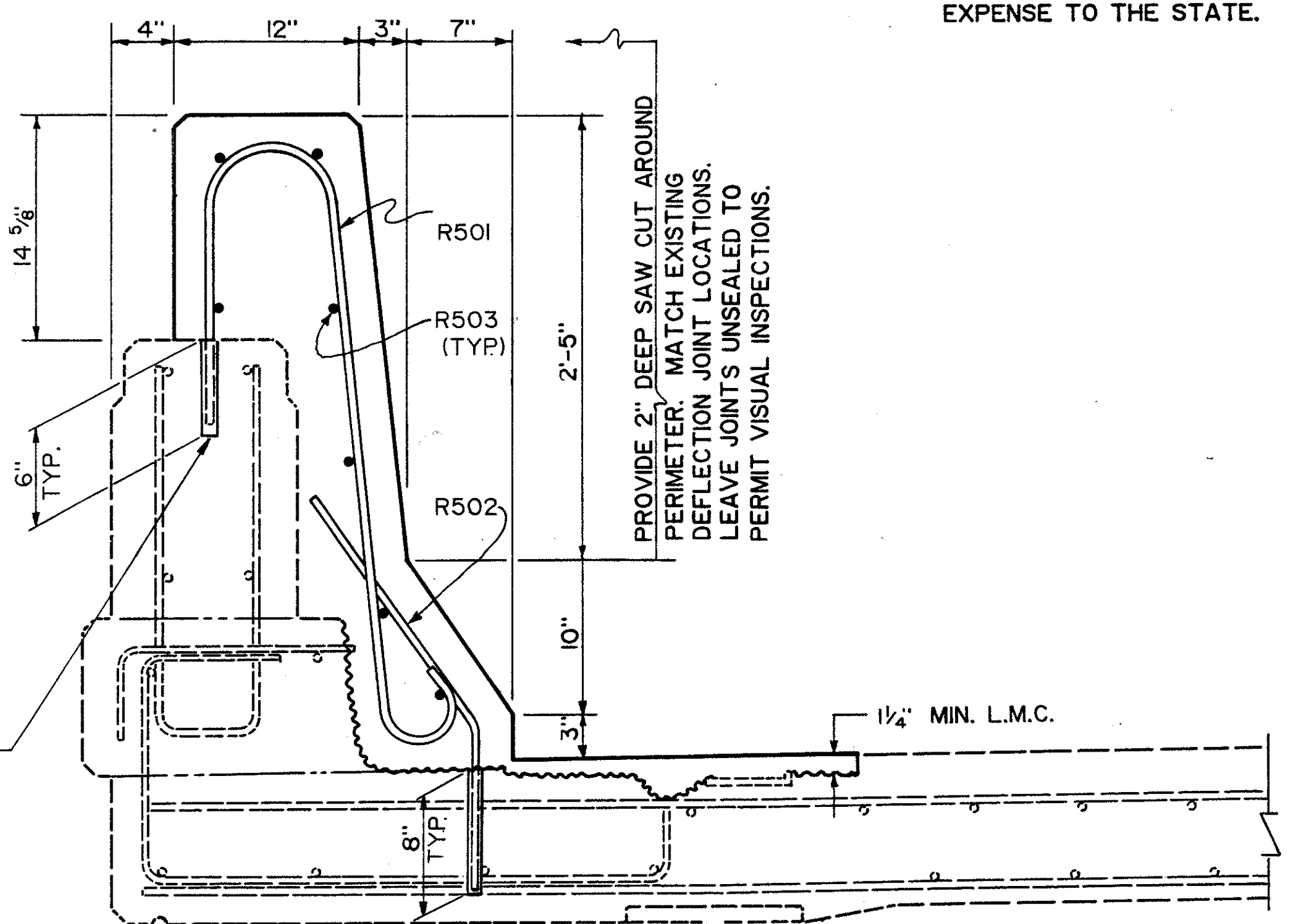
ESTIMATING INFO.

REINFORCING STEEL = 13 LBS./L.F.

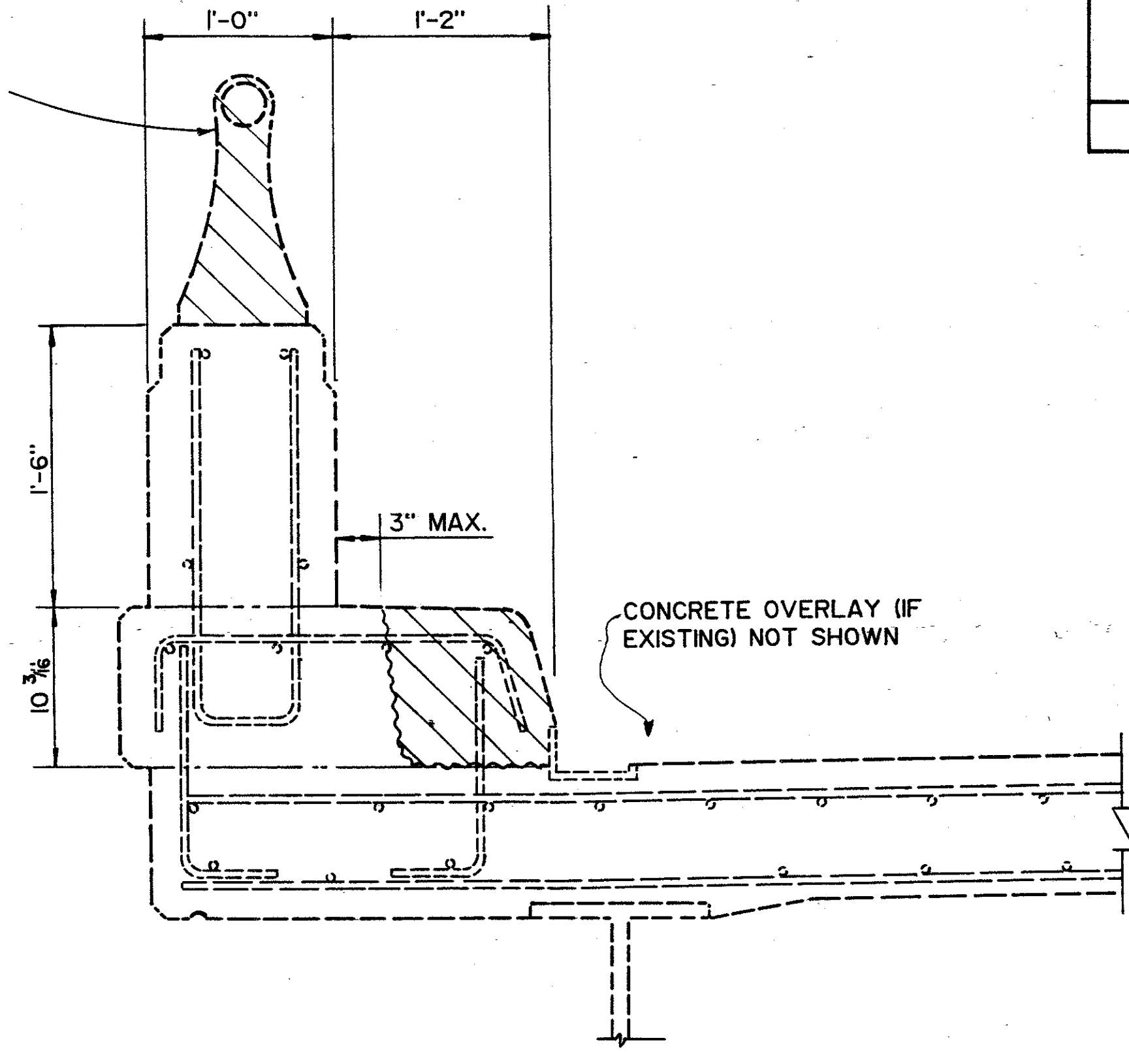
CONCRETE = 0.10 C.Y./L.F.

DOWEL HOLES = 1.33/L.F.

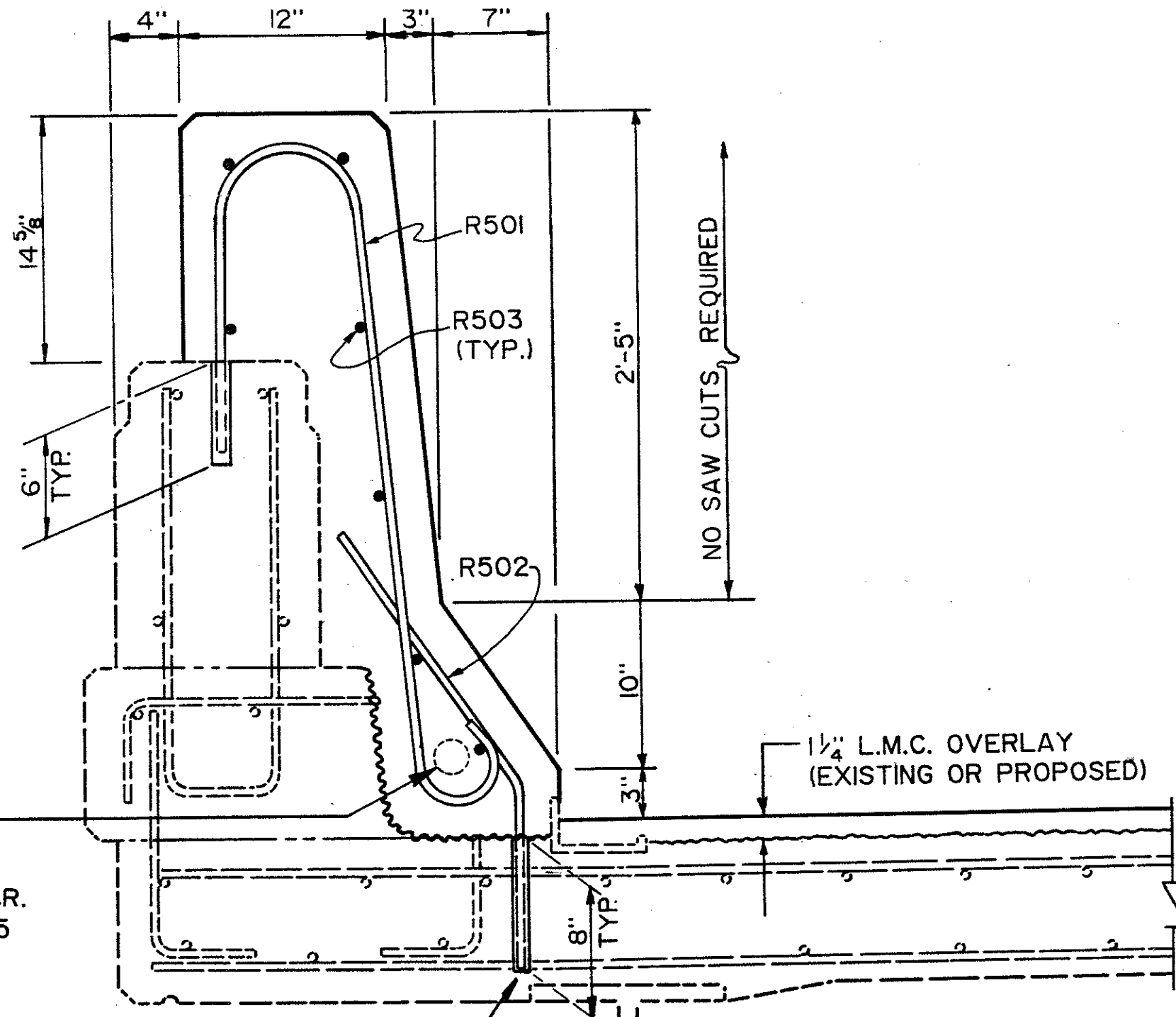
ALL ITEMS INCLUDED UNDER ITEM 517



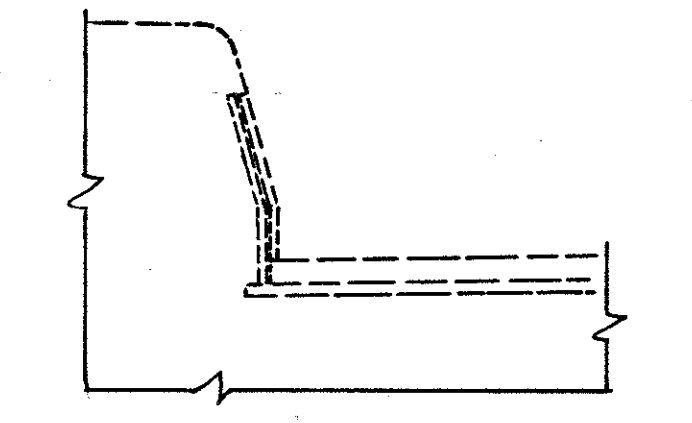
RAILING FACED, AS PER PLAN, TYPE A



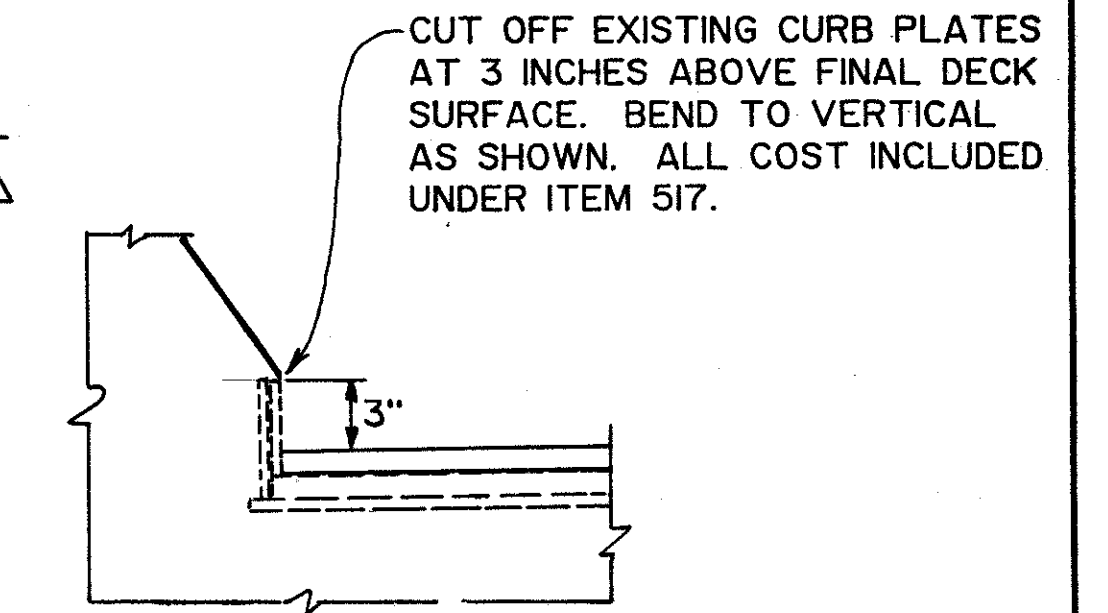
REMOVAL PLAN



RAILING FACED, AS PER PLAN, TYPE B



EXISTING CURB PLATES



MODIFIED CURB PLATES

COMMON NOTES

1. EXACT EX. REBAR LOCATIONS NOT KNOWN
2. EXISTING REINFORCED STEEL MAY BE CUT OFF OR BENT OUT OF THE WAY (RAILING FACED, TYPE B ONLY)
3. REMOVAL LIMITS SHALL PROVIDE 2 INCH MIN. CLEARANCE AROUND ALL NEW REINFORCING BARS.
4. ALL REINFORCING STEEL SHALL BE SPACED 1'-6" C/C MAXIMUM. VERTICAL STEEL SHALL MISS EXISTING DEFLECTION JOINTS BY 3" MIN.
5. ALL LONGITUDINAL STEEL SHALL BE CONTINUOUS (WITH MIN. LAP SPLICES 1'-8")
6. CONCRETE COVER SHALL BE 2" TYPICAL.
7. REINFORCING STEEL - ASTM A615, A616 OR A617, GRADE 60. fy = 60 KSI, fs = 24 KSI.
8. FOR ADDITIONAL NOTES AND INFORMATION SEE BR-1 AND THE GENERAL NOTES.
9. BRIDGES WITH LIGHTING HAVE EX. 2" Ø CONDUIT IN CURB. REMOVE UNDER THIS ITEM OF WORK
10. FOR WINGWALL RAILING AND CONCRETE BARRIER TRANSITIONS SEE SHEETS 21/26 AND 22/26

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DISTRICT 12 LOCATION & DESIGN

TYPICAL RAILING FACING DETAILS
(EX. 2'-3" SAFETY CURB = TYPE A)
(EX. 1'-2" SAFETY CURB = TYPE B)

LAKE COUNTY OHIO

DESIGNED ENF DATE	TRACED MRB DATE	CHECKED DATE	REVIEWED DWL DATE	REVISOR DATE
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SHEET 20/26