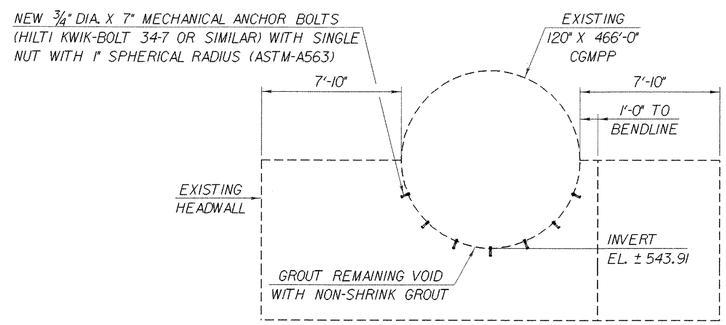
INLET HEADWALL NOTES

1. NO HEADWALL CONCRETE REPAIRS ARE ANTICIPATED AT THE INLET END. ANY REPAIRS NECESSITATED DUE TO CONTRACTOR NEGLIGENCE SHALL BE PERFORMED AT NO EXPENSE TO THE STATE. ANY REPAIRS DIRECTED BY THE RESIDENT ENGINEER SHALL BE PAID FOR AS EXTRA WORK.
2. ANCHOR BOLTS SHALL BE INSTALLED TO THE SPECIFICATIONS OF THE MANUFACTURER.
3. INSTALL ANCHOR BOLTS IN ALTERNATE CIRCUMFERENTIAL SEAM HOLES TO THE ORIGINAL INSTALLATION. GROUT REMAINING VOID WITH NON-SHRINK GROUT.
4. MATERIAL FOR GROUTING SHALL MEET THE REQUIREMENTS OF SUBSECTION 707.03 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
5. PAYMENT FOR THE BOLTS AND GROUT MATERIAL, AND ALL MATERIALS, LABOR, AND INCIDENTALS ASSOCIATED WITH THEIR INSTALLATION AND APPLICATION, RESPECTIVELY, SHALL BE MADE SUBSIDARY TO ITEM 501.58, "MORTAR, TYPE IV (MOD.)".
6. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.

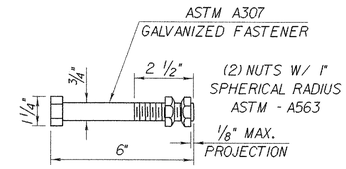
OUTLET HEADWALL NOTES

1. REMOVE EXISTING HEADWALL CONCRETE TO CUT LINE AS SHOWN IN THE PLANS. PAYMENT SHALL BE MADE UNDER ITEM 529.25, "REMOVAL OF CONCRETE AND MASONARY".
2. NEW HEADWALL CONCRETE SHALL BE CONCRETE, CLASS B AND SHALL BE PAID FOR UNDER ITEM 501.25, "CONCRETE, CLASS B".
3. DRILLING AND GROUTING OF DOWEL BARS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 507 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. MATERIAL FOR GROUTING SHALL MEET THE REQUIREMENTS OF SUBSECTION 707.03. PAYMENT SHALL BE MADE UNDER ITEM 507.16, "DRILLING AND GROUTING DOWELS".
4. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES.
5. ALL EXPOSED EDGES OF NEW CONCRETE SHALL BE CHAMFERED 1" X 1".
6. ALL REINFORCING STEEL, INCLUDING DOWEL BARS, SHALL BE EPOXY COATED AND PAID FOR UNDER ITEM 507.17, "EPOXY COATED REINFORCING STEEL". WHEN EPOXY COATED REINFORCING STEEL IS CUT, THE UNCOATED ENDS SHALL BE REPAIRED WITH MATERIALS AND PROCEDURES APPROVED BY THE COATING MANUFACTURER. FLAME CUTTING OF EPOXY COATED REINFORCING STEEL WILL NOT BE PERMITTED.
7. MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS SHOWN IN THE PLANS.
8. REINFORCING PLACEMENT TOLERANCES SHALL BE:
   SPACING: ±1"
   CLEARANCE: ±1/4"



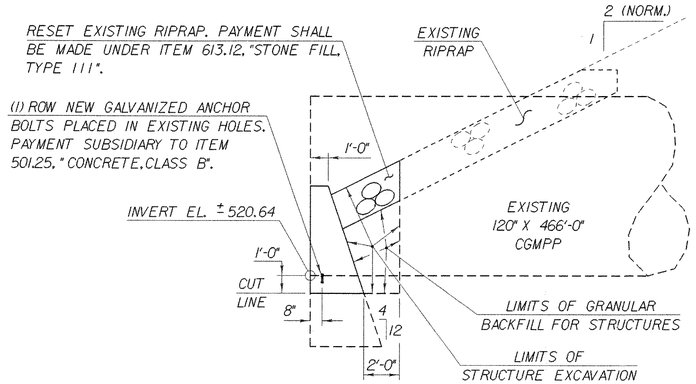
INLET HEADWALL ELEVATION

SCALE 1/4" = 1'-0



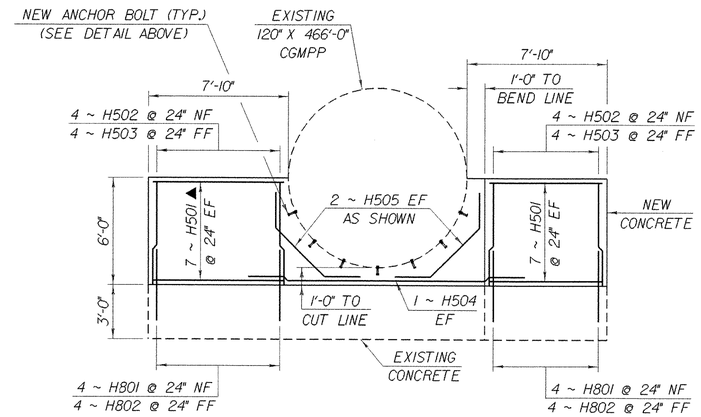
ANCHOR BOLT DETAIL FOR OUTLET HEADWALL

NTS



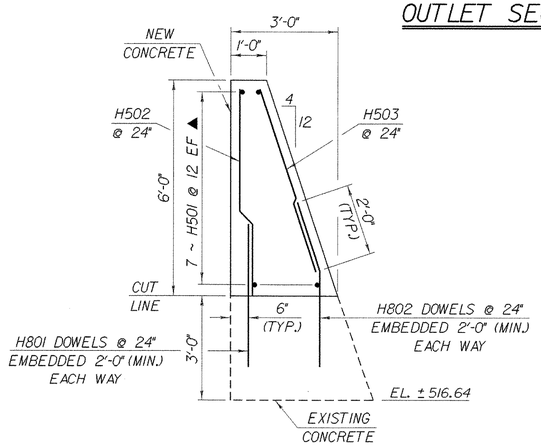
OUTLET SECTION AT PIPE CENTERLINE

SCALE 1/4" = 1'-0



OUTLET HEADWALL ELEVATION

SCALE 1/4" = 1'-0



OUTLET HEADWALL TYPICAL SECTION

SCALE 1/2" = 1'-0

NOTE:

NF = NEAR FACE
FF = FAR FACE
EF = EACH FACE
▲ = CUT TO FIT IN FIELD
3" CLR. UNLESS OTHERWISE SPECIFIED ON THE PLANS.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of FAIRFAX-FAIRFIELD-ST. ALBANS	Bridge No. 86-5
Highway No. I-89	Log Sta. MM 111.28
	Surv. Sta.

I-89 OVER THE MILL RIVER

86-5 HEADWALL DETAILS

Designed By M.LOZIER	Drawn By K.CHISHOLM
Checked By G. ROY Date 10/99	Bridge Design Supervisor R.R. WHITCOMB Date 10/99
PROJECT FAIRFAX-FAIRFIELD-ST. ALBANS	PROJECT NO. IM 089 - 3 (27)
I.G.C. Info. 96d056\Structures\sa056pll.dgn	sa056hw1
Bridge Sheet No. BRI01	Sheet 75 of 370

PLOTTED 21-SEP-2000