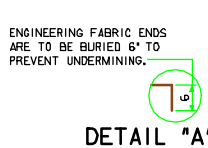
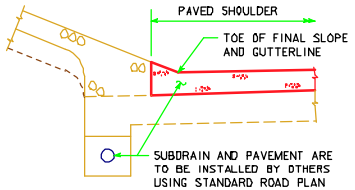
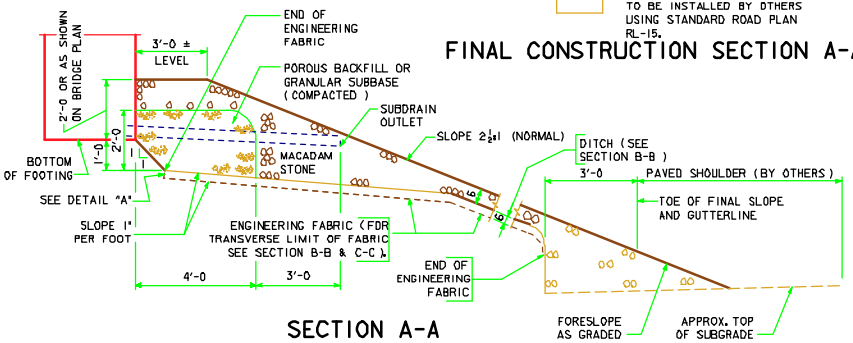


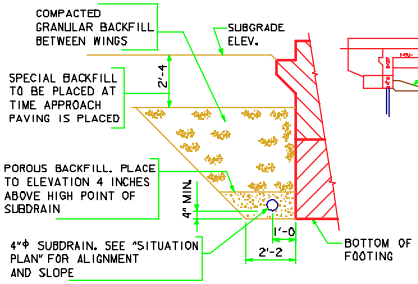
DETAIL "A"



FINAL CONSTRUCTION SECTION A-A



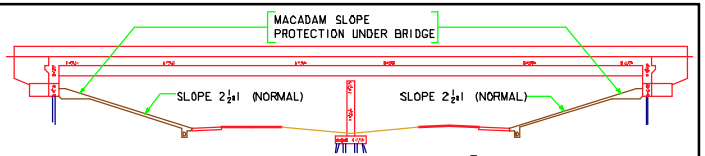
SECTION A-A



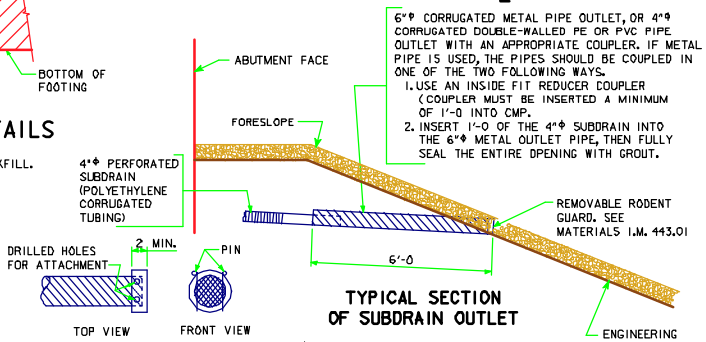
GRANULAR BACKFILL DETAILS

NOTE: SPECIAL BACKFILL MAY BE SUBSTITUTED FOR GRANULAR BACKFILL.

CONSTRUCTION STAGING
1) PREPARE FORESLOPE, INCLUDING SIDE DITCH AND TOP OF BERM.
2) STAKE EDGE OF PAVED SHOULDER.
3) EXCAVATE TOE TO DEFINE ENGINEERING FABRIC LIMITS.
4) PLACE ENGINEERING FABRIC AND MACADAM STONE.

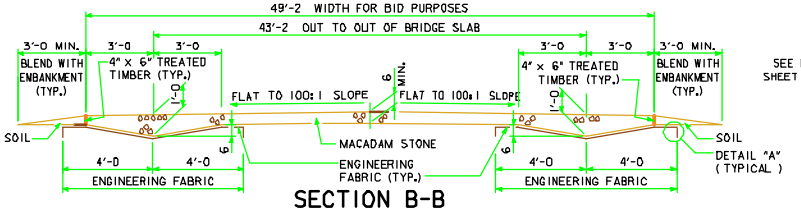


LONGITUDINAL SECTION ALONG ℄ ROADWAY

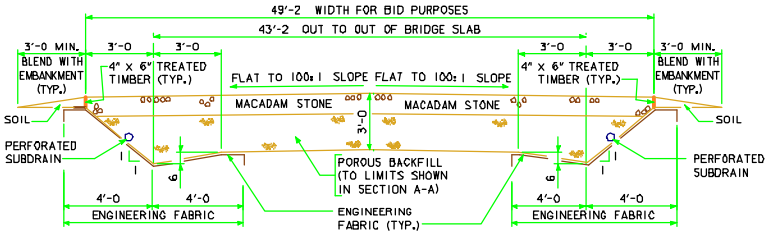


TYPICAL SECTION OF SUBDRAIN OUTLET

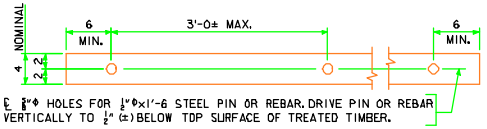
REMOVABLE RODENT GUARD DETAILS



SECTION B-B

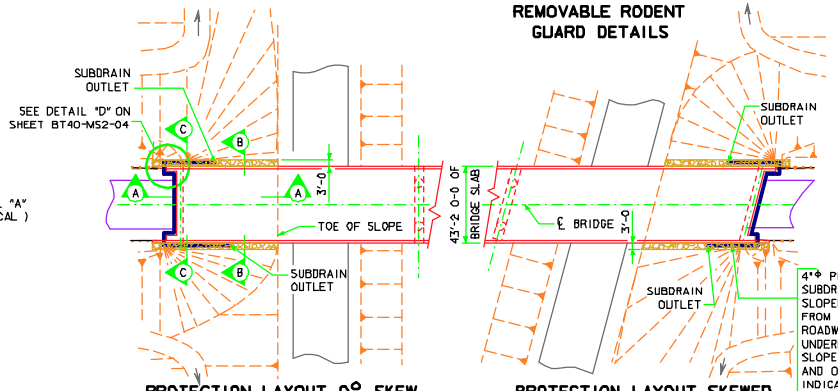


SECTION C-C



℄ ⅜"Φ HOLES FOR ½"Φx1'-6 STEEL PIN OR REBAR. DRIVE PIN OR REBAR VERTICALLY TO ½" (±) BELOW TOP SURFACE OF TREATED TIMBER.

4 x 6 TREATED TIMBER EDGING DETAILS



OUTLET DETAILS

PROTECTION LAYOUT 0° SKEW

PROTECTION LAYOUT SKEWED

SITUATION PLAN

REFER TO SITUATION PLAN FOR NORTH ARROW.

NOTE: THE QUANTITY BELOW IS BASED ON 2½:1 SLOPE.
ITEMS TO BE INCLUDED IN "MACADAM STONE SLOPE PROTECTION":
EXCAVATING, SHAPING AND COMPACTING
ENGINEERING FABRIC
MACADAM STONE
4" x 6" TREATED TIMBER EDGING
½" Φ STEEL PINS (OR REBARS)
POROUS BACKFILL OR GRANULAR SUBBASE BACKFILL AT FRONT FACE ABUTMENT FOOTING

NOTE: SEE BT40-MS2-04 FOR "MACADAM STONE SLOPE PROTECTION NOTES" AND "SUBDRAIN NOTES".

ESTIMATED QUANTITIES - S.Y. ONE BRIDGE

DESCRIPTION	0° SKEW	5° SKEW	10° SKEW	15° SKEW
MACADAM STONE SLOPE PROTECTION	506	508	514	523

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 2 SPAN BRIDGES

PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES

ALL SPANS JULY, 2004

MACADAM STONE SLOPE PROTECTION & SUBDRAIN DETAILS

BT40-MS1-04