10.4-A1-2

Mon Jun 29 12:45:48 2015

LAST REVISED: 11/14/2012

SECTION A

EXISTING CONCRETE BARRIER
¾"ø HOLE FOR Ð"ø BOLT (TYP.)

STEEL BLOCKOUT
BEAM GUARDRAIL TYPE THRIE BEAM (SEE STD. PLAN C-1a)

Ð"ø x 1½" BUTTON HEAD BOLT & NUT WITH LOCK WASHER (TYP.)

Ð"ø RESIN BONDED ANCHOR W/ LOCK AND FLAT WASHERS (TYP.)

1½" (TYP.)

1'-6"

W 6 x 15 x FIELD MEASURE *

STEEL BLOCKOUT
BEAM GUARDRAIL TYPE THRIE BEAM (SEE STD. PLAN C-1a)

¾"ø BUTTON HEAD BOLT & NUT WITH LOCK WASHER

CORE DRILL HOLES FOR Ð"ø RESIN BONDED ANCHORS W/ LOCK AND FLAT WASHERS. (4 TOTAL PER STEEL BLOCKOUT) EMBEDMENT AND HOLE DIAMETER PER MANUFACTURER’S RECOMMENDATION. 7" MIN. 3" MIN. CLEAR TO EDGE OF RAILBASE JOINT OR EXPANSION JOINT. ADJUST BLOCKOUT SPACING WITHIN SPECIFIED TOLERANCE TO MAINTAIN EDGE CLEARANCE AND AVOID VERTICAL AND TOP HORIZONTAL REINFORCEMENT.

EXISTING CURB LINE (TYP.)

EXISTING CURB OR SIDEWALK A ???

??? CURB OR SIDEWALK

1'-6" 3"

W 6 x 15 x FIELD MEASURE *

STEEL BLOCKOUT
BEAM GUARDRAIL TYPE THRIE BEAM (SEE STD. PLAN C-1a)

BEAM GUARDRAIL TYPE THRIE BEAM

¾"ø HOLE FOR Ð"ø BOLT (TYP.)

STEEL BLOCKOUT
BEAM GUARDRAIL TYPE THRIE BEAM (SEE STD. PLAN C-1a)

¾"ø BUTTON HEAD BOLT & NUT WITH LOCK WASHER

¾"ø RESIN BONDED ANCHOR W/ LOCK AND FLAT WASHERS (TYP.)

EXISTING CONCRETE BARRIER

THRIE BEAM GUARDRAIL

STEEL GUARDRAIL POST

THRIE BEAM GUARDRAIL

THRIE BEAM GUARDRAIL

STEEL GUARDRAIL POST

REIN BONDED ANCHOR BOLT (TYP.)

REIN BONDED ANCHOR BOLT (TYP.)

CONC. PARAPET

BACKUP PLATE
BACKUP PLATE REQUIRED AT POST WHERE NO THREE BEAM GUARDRAIL SPICE OCCURS.

SECTION A

ISOMETRIC VIEW

TYPICAL SECTION
AT STEEL BLOCKOUT
(TYP ASSEMBLIES REQUIRED)

NOTES:
* SEE GENERAL NOTE NO. 5 ON BRIDGE SHEET NO. 1.

CORE DRILL HOLES FOR Ð"ø RESIN BONDED ANCHORS W/ LOCK AND FLAT WASHERS. (4 TOTAL PER STEEL BLOCKOUT) EMBEDMENT AND HOLE DIAMETER PER MANUFACTURER’S RECOMMENDATION. 7" MIN. 3" MIN. CLEAR TO EDGE OF RAILBASE JOINT OR EXPANSION JOINT. ADJUST BLOCKOUT SPACING WITHIN SPECIFIED TOLERANCE TO MAINTAIN EDGE CLEARANCE AND AVOID VERTICAL AND TOP HORIZONTAL REINFORCEMENT.

EXIST. SLOPE 2'-11"

EXIST. CURB LINE (TYP.)

EXIST. RAIL (TO REMAIN)

1'-0"