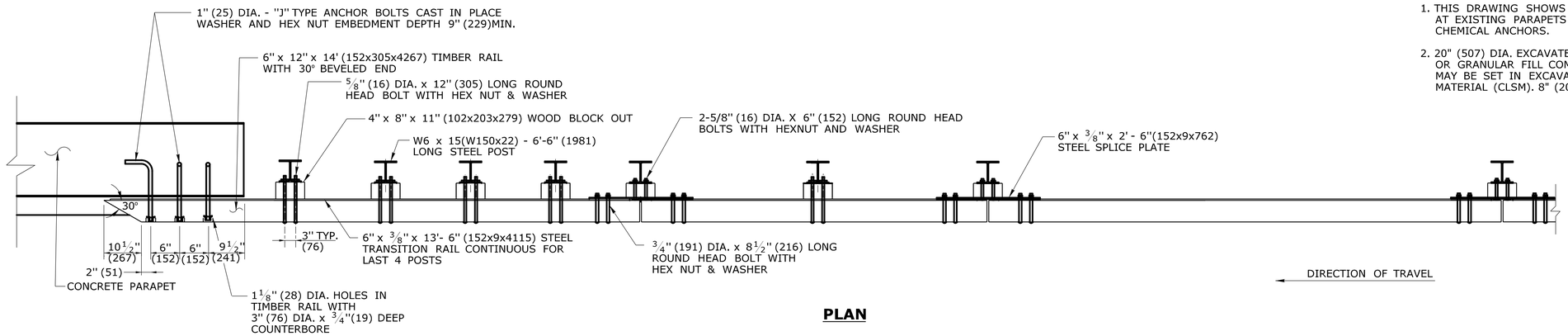
GENERAL NOTE:

1. THIS DRAWING SHOWS LEADING END ATTACHMENT TO PROPOSED PARAPETS. AT EXISTING PARAPETS ATTACH GUIDERAIL USING D.O.T. APPROVED CHEMICAL ANCHORS.
2. 20" (507) DIA. EXCAVATED HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL, OR GRANULAR FILL COMPACTED IN 6" (150) LIFTS BEFORE DRIVING POST OR POSTS MAY BE SET IN EXCAVATED HOLE AND BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM). 8" (203) DIA. HOLE SHALL BE BACKFILLED WITH SUITABLE MATERIAL.



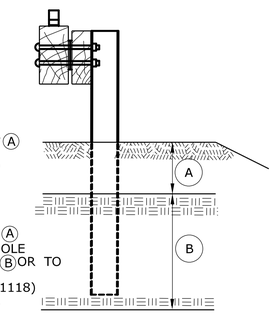
PLAN

CONDITION 1 :

IF SOIL DEPTH IS ≤ 18" (457) DEEP (A) DRILL 20" (507) DIA. HOLE 24" (610) INTO LEDGE. (B)

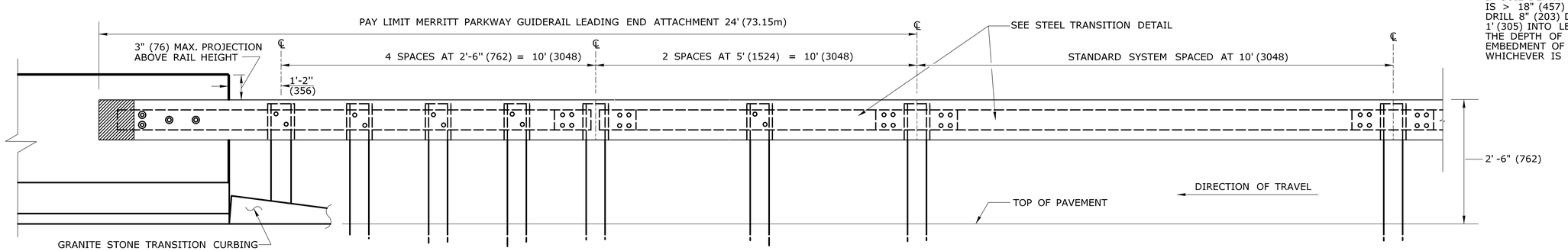
CONDITION 2 :

IF SOIL DEPTH IS > 18" (457) DEEP (A) DRILL 8" (203) DIA. HOLE 1' (305) INTO LEDGE (B) OR TO THE DEPTH OF FULL EMBEDMENT OF 44" (1118) WHICHEVER IS LESS.



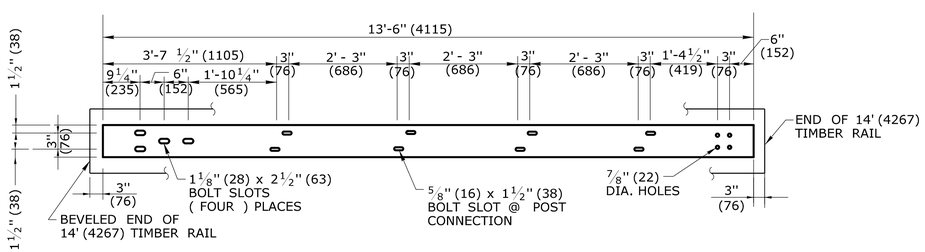
ELEVATION

(SEE NOTE 2)

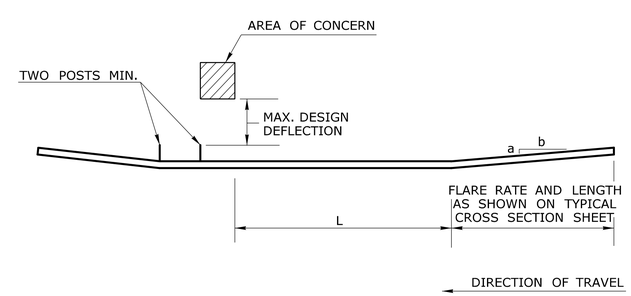


ELEVATION

ATTACHMENT AT LEADING END
(JERSEY SHAPE BARRIER SHOWN)
(FRONT VIEW)

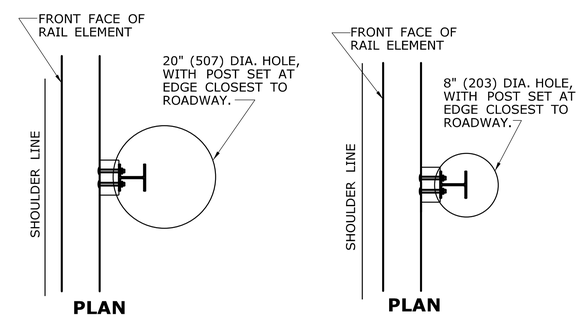


REAR VIEW
STEEL TRANSITION RAIL
6" x 3/8" x 13'-6" (152x9x4115)
FOR LEADING END ATTACHMENT



PLAN

APPROACH TO FIXED OBJECTS
SYSTEM 2 AND 3



PLAN
CONDITION 1
(SEE NOTE 2)

PLAN
CONDITION 2
(SEE NOTE 2)

DRILLING IN ROCK FOR GUIDERAIL POSTS

Maximum Design Deflection (ft) (mm)	Area Of Concern Plus 2 Posts (see sketch)	SYSTEM 3	SYSTEM 2	Standard System	L
		W6x15 (W150x22) Posts Spaced at 2'- 6" (762)	W6x15 (W150x22) Posts Spaced at 5' (1524)	W6x15 (W150x22) Posts Spaced at 10' (3048)	Min. Length Needed
1' (305)	System 3	10' (3048)	10' (3048)	50' (16.40m)	70' (21.34m)
2' - 6" (762)	System 2	–	10' (3048)	60' (19.68m)	70' (21.34m)
4' (1219)	Standard System	–	–	70' (21.34m)	70' (21.34m)

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION
1	6/11	REVISED ELEVATION VIEW OF ATTACHMENT
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 5/10/2011

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD_JUNE2011.dgn Model: 47 - HW-910_12a

SUBMITTED BY: NAME/DATE/TIME:

Digitally signed by Leo Fontaine
DN: cn=Leo Fontaine, o=Parsons Brinckerhoff, ou=Department of Transportation, email=Leo.Fontaine@dot.gov, c=State of Connecticut, cn=Leo Fontaine
Date: 2011.05.18 11:57:19 -04'00'

APPROVED BY: NAME/DATE/TIME:

James H. Norman
2011.06.09 15:30:32 -04'00'

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

MERRITT PARKWAY GUIDERAIL ATTACHMENT-SYSTEM 2 & 3

STANDARD SHEET NO.:

HW-910_12a