Anchor Post, top

Elevation Views

Isometric Views

Section I-I

Scale 1 : 5

Pipe, 8" sch. 80

Plate, 10" x 1/2" x 10"
ASTM A36

Ø 3/4"

R1"

Ø 1-1/4"

Ø 8-5/8"
Pipe OD

Ø 8-3/4"
(hole in plate)

Ø 7-5/8"
Pipe ID

Texas A&M Transportation Institute

Roadside Safety and Physical Security Division - Proving Ground

Project 490026-3-1 Short Radius Guardrail with 3:1 Slope 2016-08-08
Drawn By GES Scale 1:15 Sheet 15 of 22 Anchor Post
17a. See Thrie-beam Guardrail (TF# RTM02a) for all dimensions not shown here.
9'-4-1/2" Thrie-beam, 37-1/2" spacing

75" Thrie-beam Anchor Rail

29/32" x 1-1/8" Slots (See 18b)

Section M-M
Scale 1 : 10

18a. See Thrie-beam Guardrail (TF 13 # RTM02a) for all dimensions not shown here.
18b. Anchor Bracket slots in line with, and same size as, Splice Bolt slots. See BCT Terminal Rail Section (TF 13 # RWM14a).
Modified BCT Timber Post

Elevation Views

18" Routened Blockout for Thrie-beam

Section N-N

Elevation View

Texas A&M Transportation Institute
Roadside Safety and Physical Security Division - Proving Ground
Project 490028-3-1 Short Radius Guardrail with 3:1 Slope 2016-08-08
Drawn By GES Scale 1:10 Sheet 19 of 22 Parts-1
Section K-K

Strut for Short Radius Anchor

Strut Bracket
Modified 6' Foundation Tube

Pipe, 4" sch. 40 x 2"

72"
Anchor Cable for Short Radius Rail

22a. The Stud shall conform to the requirements of ASTM A449 and shall be galvanized in accordance with ASTM A153. The threads shall have a Class 2A fit before galvanizing.

22b. The Wire Rope shall conform to the requirements of AASHTO M-30 and shall be $\Phi 3/4''$ pre-formed, 6 x 19, wire strand core or independent wire rope core (IWRC), galvanized, right regular lay, manufactured of improved plow steel with a minimum breaking strength of 46,000 lbs.

22c. The swaged fitting, stud, and nut shall develop the breaking strength of the wire rope.