GENERAL NOTES:
1. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
2. The lower sections of the Posts 1&2 shall not protrude more than 4 in [100] above the ground (measured along a 5' [1.5m] cord longitudinal to the system). Site grading may be necessary to meet this requirement.
3. The lower section of the hinged post should not be driven with the upper post attached. If the post is placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
4. When competent rock is encountered, a 12" [300] Ø post hole, 20 in. [500] deep cored into the rock surface may be used if approved by the engineer for Posts 1 and 2. Granular material will be placed in the bottom of the hole, approximately 2.5' [60] deep to provide drainage. The first and/or second post can be field cut to length, placed in the hole and backfilled with suitable backfill. The soil plate may be trimmed if required.
5. The breakaway cable assembly must be taut. A locking device (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening nuts.

**Section A-A**
Post #2

**Section B-B**
Anchor Bracket

**Optional Flared Installation**
25:1 maximum flare rate

**Dimensions:**
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]
- 6'-3" [1905]

**Materials List:**
- IMPACT HEAD
- IMPACT GUARDIAN END SECTION
- FIRST POST TOP
- FIRST POST BOTTOM
- SECOND POST ASSEMBLY
- SECOND POST ASSEMBLY BOTTOM
- HOE PLATE
- CABLE ANCHOR BOX
- CABLE ANCHOR ASSEMBLY
- STRUT
- STEEL POST
- RECYCLED PLASTIC BLOCK OR EQU.
- W-BEAM MOG RAIL SECTION [9'-4'-1/2"
- HARDWARE (ALL DIMENSIONS IN INCHES)

**H, m, n, c:**
- 5/16 x 1 HEX BOLT GRD 5
- 5/16 WASHER
- 5/16 HEX NUT
- 5/8 Dia. x 1 1/4 PLATE BOLT (POST #2)
- 5/8 Dia. x 8 HEX BOLT A449
- 5/8 WASHER
- 5/8 Dia. H.O.R NUT
- 3/4 Dia. x 8 1/2 HEX BOLT GRD A449
- ANCHOR CABLE HEX NUT
- ANCHOR CABLE WASHER
- 1/2 RSI SHOULDER BOLT W/WASHER
- 1/2 STRUCTURAL NUT
- 5/8 x 10" H.O.R. BOLT

**Additional Notes:**
- Post #1 Connection Detail
- Impact Head Connection Detail

**Scale:**
None

**Date:**
05/20/17

**By:**
JRR