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1. The guardrail approach terminal represented on these drawings is a proprietary design by Road Systems, Inc. and marketed under the name FLEAT Median Terminal (FLEAT-MT). Any infringement on the rights of the design shall be the sole responsibility of the user.

2. These drawings are sufficient for plan details of the FLEAT-MT when installed in connection with double-faced guardrail and precludes the requirement for shop drawing submittals unless the plans call for such submittals. The FLEAT-MT shall be assembled in accordance with the manufacturer's detailed drawings, procedures, and specifications.

3. The FLEAT-MT is available in a timber post configuration. The wood post components are:

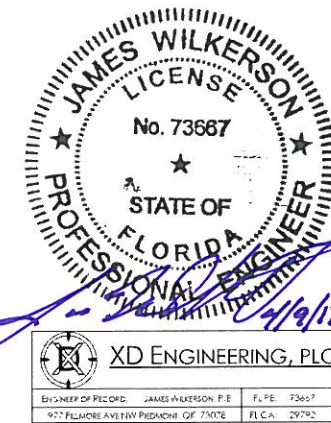
- Posts #1, #2 and #4 are wood BCT posts in 6' soil tubes
- Posts #3, #5, #6 and #7 are wood CRT Posts
- Posts #8 and #9 are 6' wood posts

4. The FLEAT-MT is intended for use as an approach terminal for double-faced guardrail applications. The beginning length of need point is located at Post 3 (see drawings).

5. The FLEAT-MT shall be installed as a double-faced approach terminal, but is only permitted in medians where there is a minimum distance of 6'-0" from the traffic face of the FLEAT-MT to the edge of the paved shoulder.

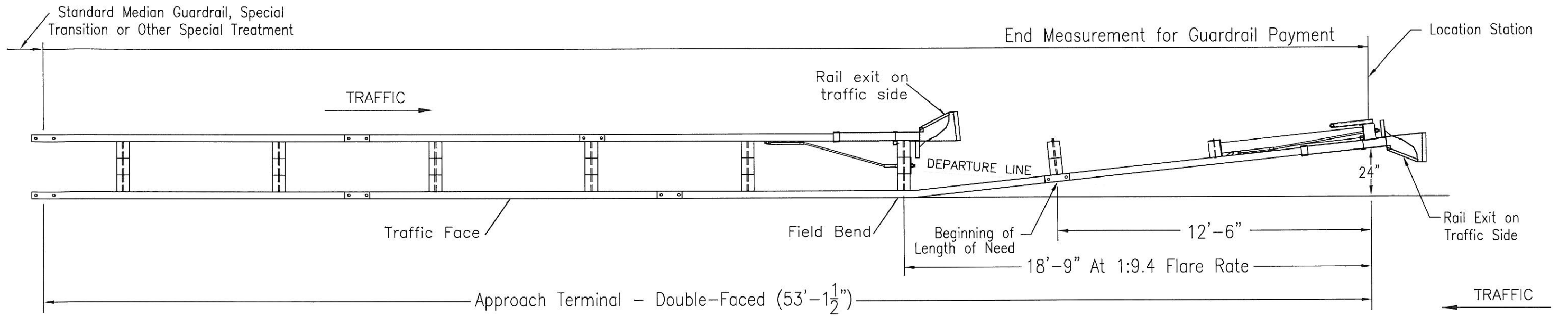
6. The FLEAT-MT can only be used for double-faced median applications.

7. For detail of grading around end terminals and miscellaneous asphalt pavement see Index 400.

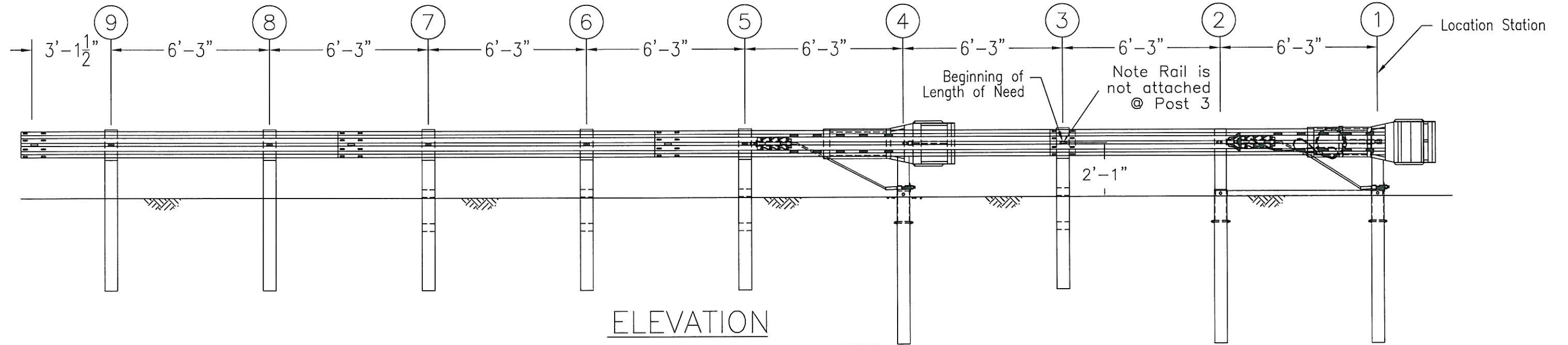


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REVISIONS			RSI Road Systems, Inc.	
DATE	BY	DESCRIPTION	Median FLEAT MGS Terminal (FLEAT-MT-MGS) (2'-1" Mounting Height/TL-3/Median)	
			DATE: 03/26/2017	FILE NAME: FLEAT-MT-MGS
			SHEET: 1 OF 3	Florida APL No. S536-003-001



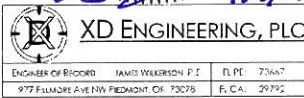
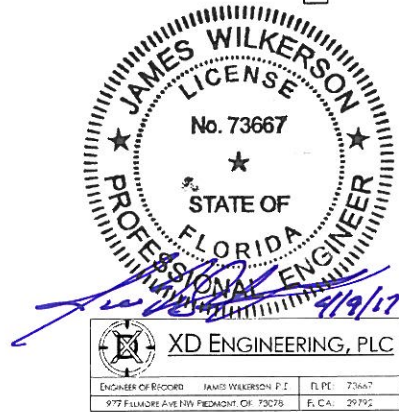
PLAN



ELEVATION

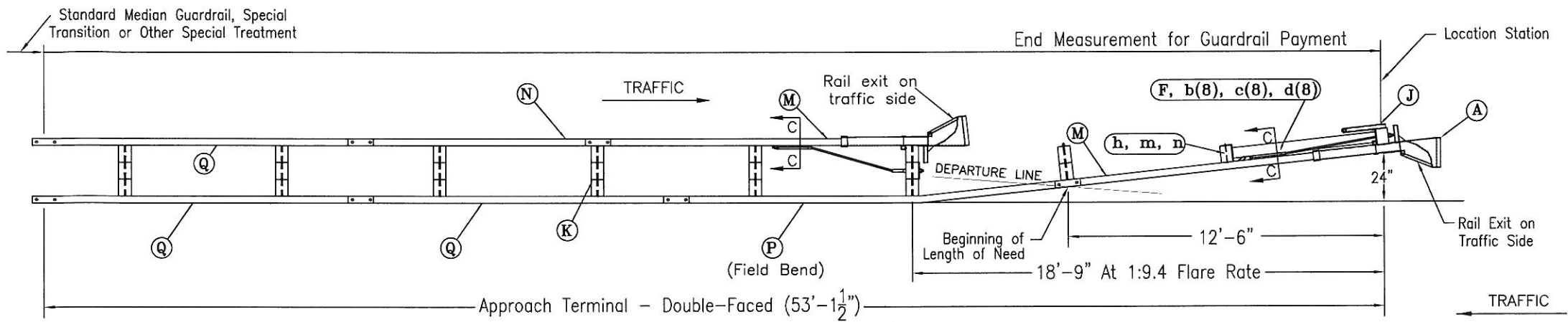
Specification 536 - Approach Terminal (Double-Faced)

MODEL	SYSTEM WIDTH	SYSTEM HEIGHT	SYSTEM LENGTH	DESIGN LENGTH	DESIGN SPEED	TEST LEVEL DESIGNATION
FLEAT-MT	41 1/4"	31"	53'-1 1/2"	40'-7 1/2"	≥50 MPH	TL-3

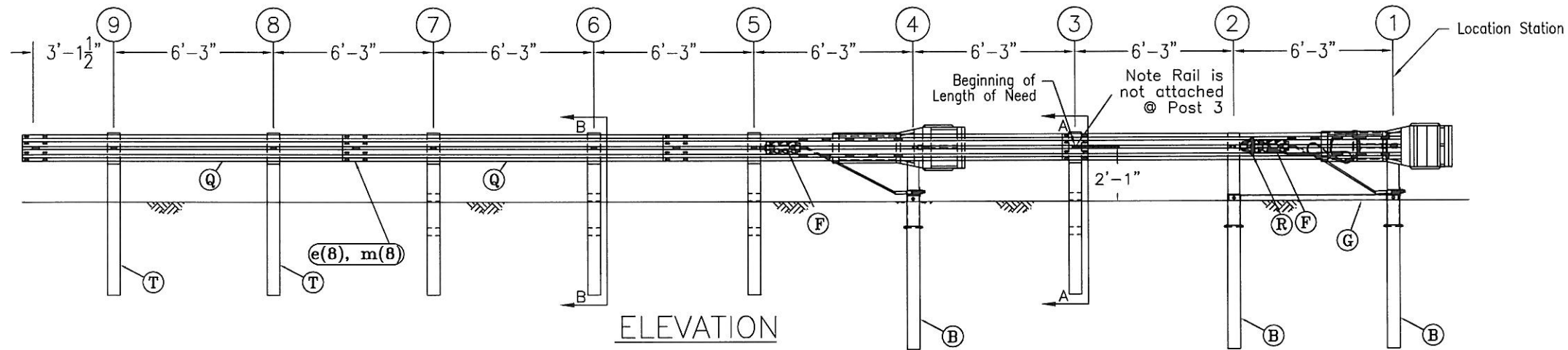


REVISIONS		
DATE	BY	DESCRIPTION

RSI Road Systems, Inc.	
Median FLEAT MGS Terminal (FLEAT-MT-MGS) (2'-1" Mounting Height/TL-3/Median)	
DATE: 03/26/2017	FILE NAME: FLEAT-MT-MGS
SHEET: 2 OF 3	Florida APL No. S536-003-001



PLAN

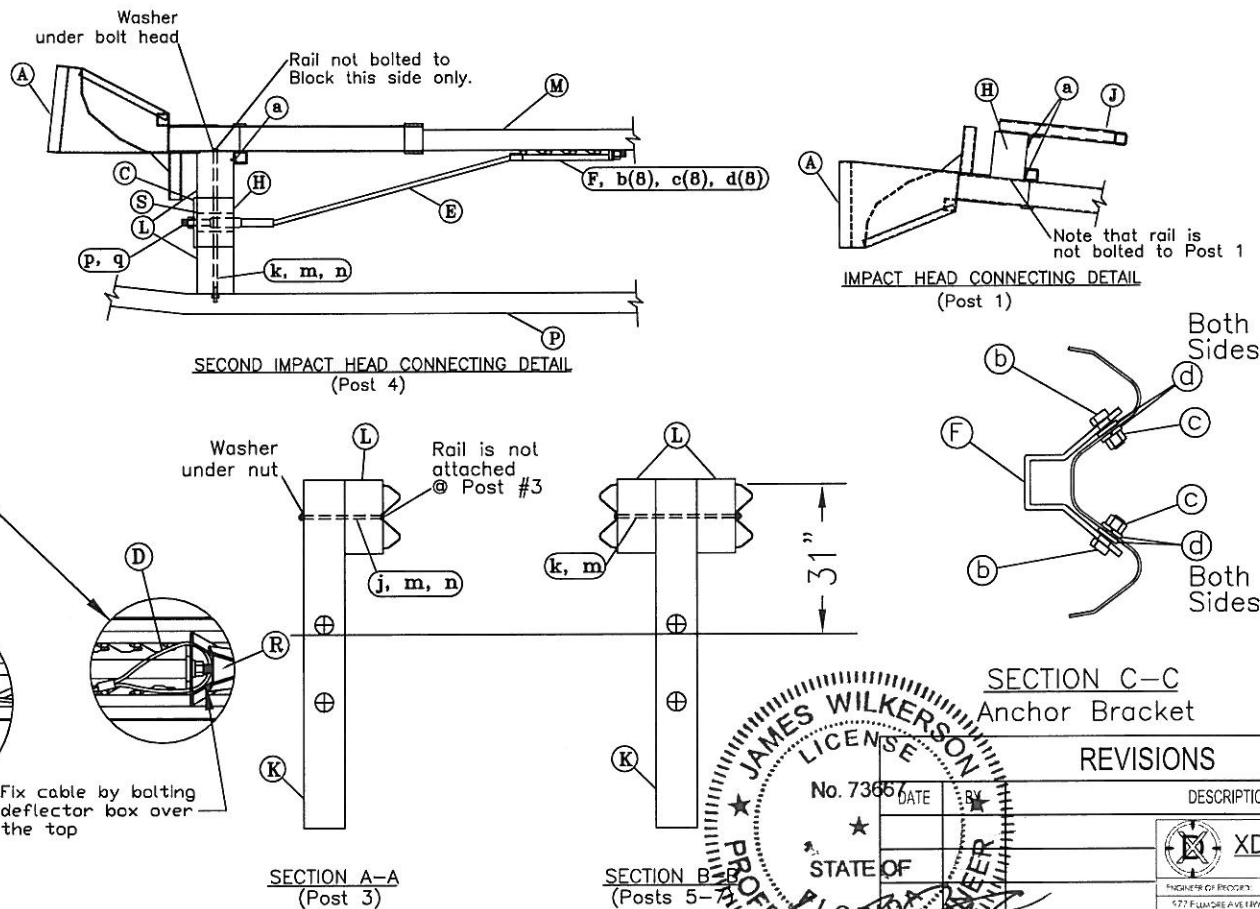


ELEVATION

ITEM	QTY	DESCRIPTION	PART #
A	2	FLEAT IMPACT HEAD	F3000
B	3	SOIL TUBE, 6" x 8" x 6'-0"	S730
C	2	BEARING PLATE	E750
D	1	3/8" GALV Cable 20'-0"	C3820
E	2	BCT CABLE ANCHOR ASSEMBLY	E770
F	2	CABLE ANCHOR BOX	S760
G	1	GROUND STRUT	E780
H	3	UNIVERSAL BCT POST	UP650
J	1	POST BREAKER	PBMT
K	4	UNIVERSAL CRT POST	UP671
L	13	TIMBER BLOCKOUT (6" x 8" x 14")	P675
M	2	W-BEAM END SECTION, 12 GA. 12.5'	SF1303
N	1	MGS W-BEAM SECTION, 12 GA. 9'-4 1/4"	G12025
P	1	MGS W-BEAM GUARDRAIL, 12 GA. 15'-7 1/2"	G1507
Q	3	MGS W-BEAM GUARDRAIL, 12 GA. 12'-6"	G1203A
R	1	DEFLECTOR BOX	DBMT
S	2	PIPE SLEEVE	E740
T	2	WOOD POST (6')	P674
HARDWARE			
a	6	3/8" DIA. x 3" LAG SCREW	E350
b	16	RSI SHOULDER BOLT w/WASHER	SB12A
c	16	1/2" STRUCTURAL NUT	N012A
d	16	WASHER	W012A
e	32	5/8" DIA. x 1 1/4" SPLICE BOLT	B580122
f	3	5/8" DIA. x 7 1/2" HEX BOLT	B580754
g	3	5/8" DIA. x 10" HEX BOLT (POST 1, 2, 4)	B581004
h	1	5/8" DIA. x 10" H.G.R. BOLT (POST 2)	B581002
j	1	5/8" DIA. x 18" H.G.R. BOLT (POST 3)	B581802
k	6	5/8" DIA. x 25" H.G.R. BOLT (POSTS 4-9)	B582502
m	46	5/8" H.G.R. NUT	N050
n	6	5/8" H.G.R. WASHER	W050
p	4	1" ANCHOR CABLE HEX NUT	N100
q	4	1" ANCHOR CABLE WASHER	W100
r	1	Cable Tie	CT-100S

Specification 536 - Approach Terminal (Double-Faced)

MODEL	SYSTEM WIDTH	SYSTEM HEIGHT	SYSTEM LENGTH	DESIGN LENGTH	DESIGN SPEED	TEST LEVEL DESIGNATION
FLEAT-MT	41 1/4"	31"	53'-1 1/2"	40'-7 1/2"	≥50 MPH	TL-3



- GENERAL NOTES:
1. Refer to FLEAT-MT Assembly Manual.
 2. Breakaway posts are required with the FLEAT-MT.
 3. All bolts, nuts, cable assemblies, cable anchors and plates shall be galvanized.
 4. The soil tubes shall not protrude more than 4" above the ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
 5. The soil tubes may be driven with an approved driving head. Soil tubes should not be driven with the post in the tube. If the tubes are placed in drilled holes, the backfill material must be satisfactorily compacted to prevent settlement.
 6. When rock is encountered during excavation, a 12' Dia. post hole, 20" deep may be used if approved by the engineer. Granular material will be placed in the bottom of the hole approx. 2 1/2" deep to provide drainage. The soil tubes will be field cut to length, placed in the hole and backfilled with adequately compacted material excavated from the hole.
 7. 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.

END VIEW OF POST 1

BACK VIEW OF POST 1

SECTION A-A (Post 3)

SECTION B-B (Posts 5-9)

SECTION C-C Anchor Bracket

JAMES WILKERSON
 LICENSE
 No. 7366 DATE
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REVISIONS

NO.	DATE	DESCRIPTION
1		XD ENGINEERING, PLC

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RSI Road Systems, Inc.

Median FLEAT MGS Terminal (FLEAT-MT-MGS)
 (2'-1" Mounting Height/TL-3/Median)

DATE: 03/26/2017 FILE NAME: FLEAT-MT-MGS

SHEET: 3 OF 3 Florida APL No. S536-003-001