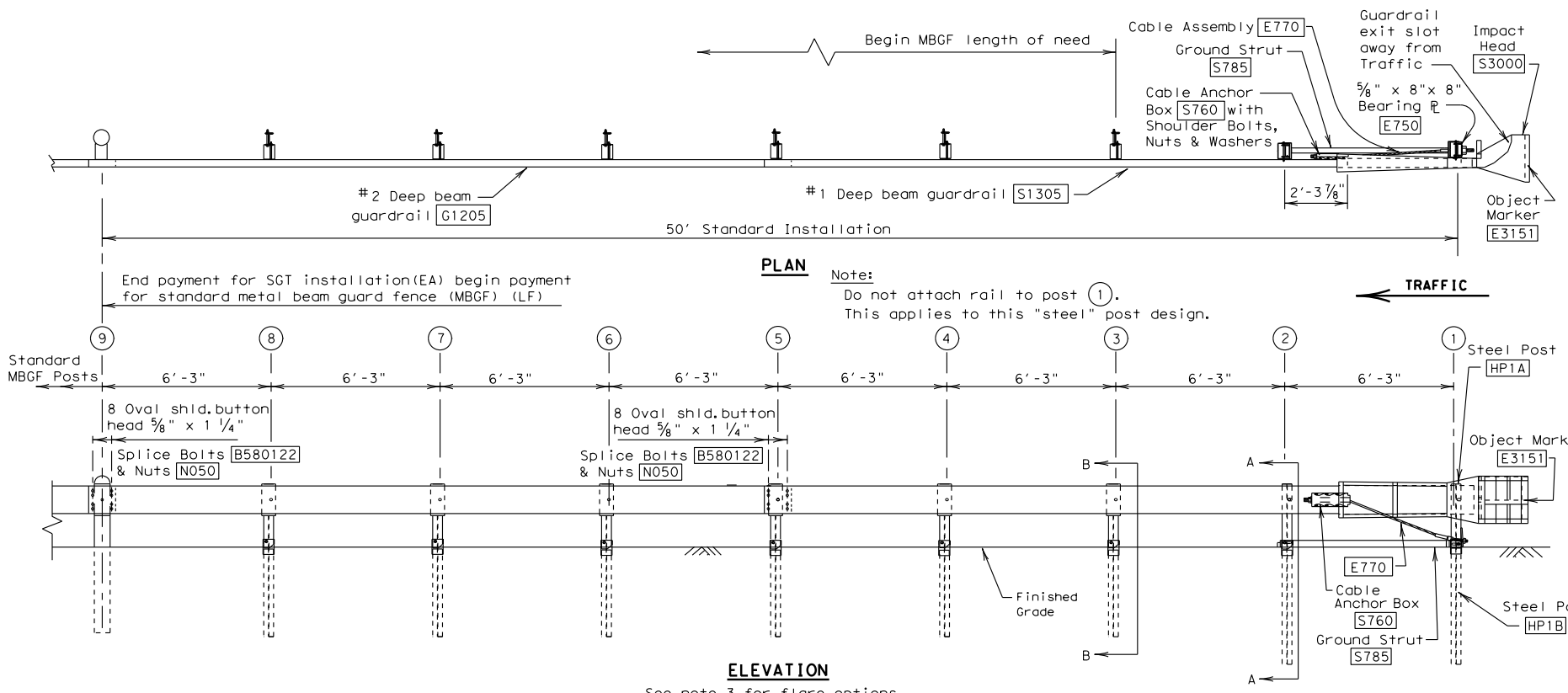
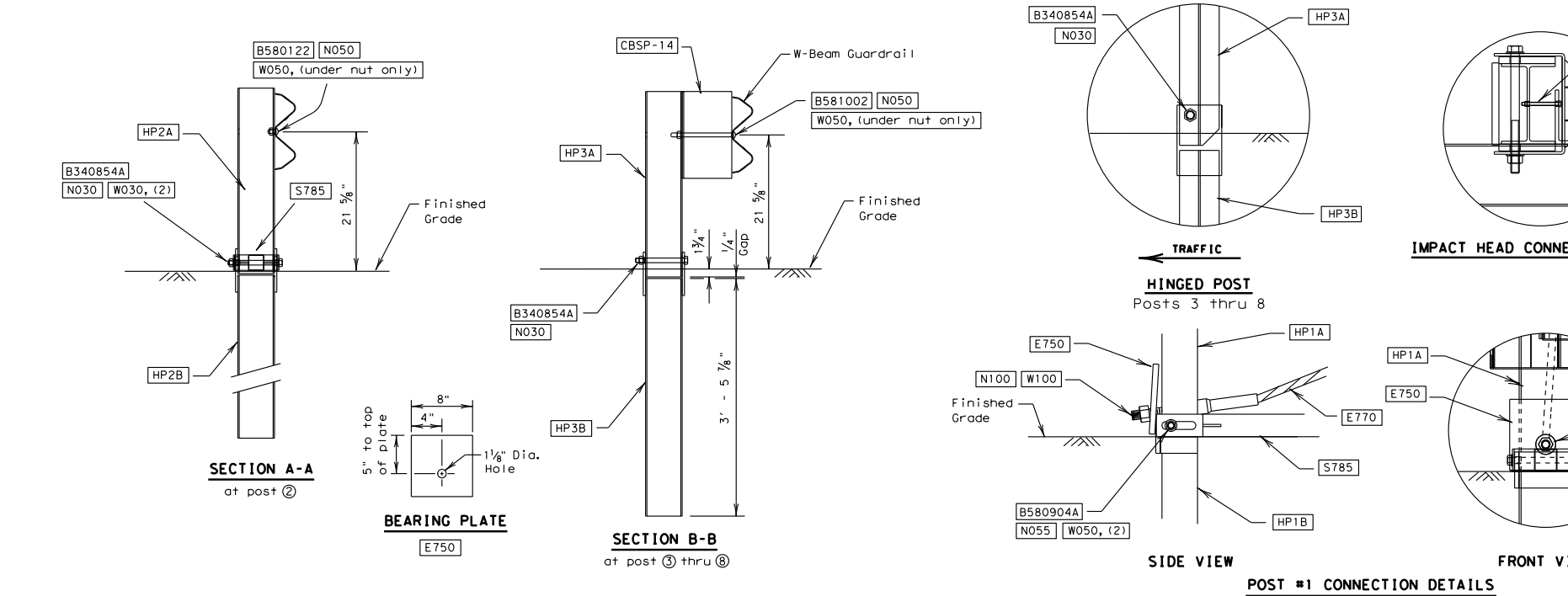


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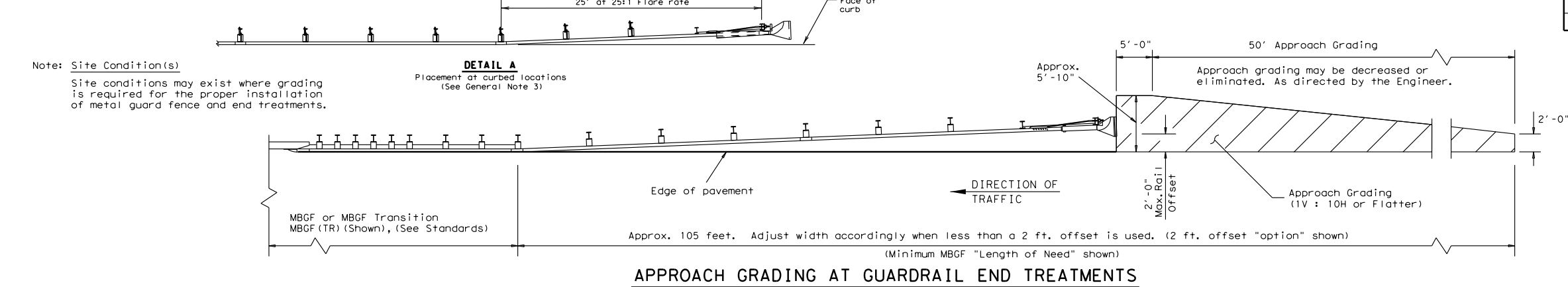
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- GENERAL NOTES**
- All bolts, nuts cable assemblies, cable anchors, steel posts & bearing plates shall be galvanized.
 - SGT's placed within the "minimum" 150 ft. radius, shall be installed straight. Standard rail elements may be installed within the radius without special fabrication.
 - At non-curb locations, a flare rate of 25:1 may be used over the first 50 ft. of the system to prevent the terminal head from encroaching on the shoulder. The flare may be decreased or eliminated for specific installations, if directed by the Engineer. At curbed locations, a flare rate of 25:1 shall be used beginning at post number 5 and ending at post number 1.
 - The lower sections of the post shall not protrude more than 4 inches above finished ground. Site grading may be necessary to meet this requirement.
 - The lower section of the steel posts 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.
 - If solid rock is encountered. See manufacturer's installation manual for the proper installation guidance.
 - 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 the nuts.
 - Hing bolts shall not be set below finished grade. At curb locations the posts shall be installed at the proper grade elevation behind the curb. The posts will then require field drilling new holes to accommodate the rail to post connection bolt to maintain the proper height of the rail above the gutter pan. The excess post length above the rail will be removed if directed by the Engineer.
 - An object marker shall be installed on the front of the impact head as detailed on D&OM(VIA).
 - A special site evaluation should be considered, prior to using this end treatment where there is less than 25 feet between the outlet side of the end treatment and any adjacent driving lane.



ITEM NO.	QTY	BILL OF MATERIALS
S3000	1	IMPACT HEAD
S1305	1	W-BEAM GUARDRAIL END SECTION - 12 GA., 25'
G1205	1	W-BEAM GUARDRAIL - 12 GA., 25'
HP1A	1	FIRST POST ASSEMBLY TOP, 2'- 4 3/8"
HP1B	1	FIRST POST ASSEMBLY BOTTOM, 6'- 0"
HP2A	1	SECOND POST ASSEMBLY TOP, 2'- 6 3/8"
HP2B	1	SECOND POST ASSEMBLY BOTTOM, 6'- 0"
HP3A	6	HINGED LINE POST TOP, 2'- 5 5/8"
HP3B	6	HINGED LINE POST BOTTOM, 3'- 5 5/8"
E750	1	BEARING PLATE
S760	1	CABLE ANCHOR BOX
E770	1	BCT CABLE ANCHOR ASSEMBLY
S785	1	GROUND STRUT (SPECIAL FOR HINGED POST)
CBSP-14	6	ROUTED BLOCK
HARDWARE		
B580122	17	5/8" Dia. x 1 1/4" SPLICE BOLT, POST #2
B580904A	1	5/8" Dia. x 9" HEX BOLT GR. 5
B340854A	7	3/4" Dia. x 8 1/2" HEX BOLT GR. 5
B581002	6	5/8" Dia. x 10" H.G.R. BOLT (Posts 3 Thru 8)
N055	1	5/8" Dia. HEX NUT (Post 1 only)
N050	23	5/8" Dia. H.G.R. NUT (at splice (16) & at Posts 1 thru 8)
W050	9	H.G.R. WASHER (At Post 1 (2), & Post 2 thru 8)
N100	2	1" ANCHOR CABLE HEX NUT
W100	2	1" ANCHOR CABLE WASHER
B140404A	2	1/4" x 4" HEX BOLT GR. 5
N014	2	1/4" HEX NUT
W014	4	1/4" WASHER
SB58A	8	CABLE ANCHOR BOX SHOULDER BOLT
N030	7	3/4" HEX NUT
N055A	8	1/2" A325 STR. NUT
W030	2	3/4" WASHER
W050A	16	1 1/8" OD x 3/8" ID A325 STR. WASHER
E3151	1	OBJECT MARKER (18" x 18")



Texas Department of Transportation
Design Division Standard

SINGLE GUARDRAIL TERMINAL (SKT 350) (HINGED STEEL POST) SGT (8)H-09

FILE: sgt8h09.dgn	DN: TxDOT	CK: AM	DW: BD	CK:
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