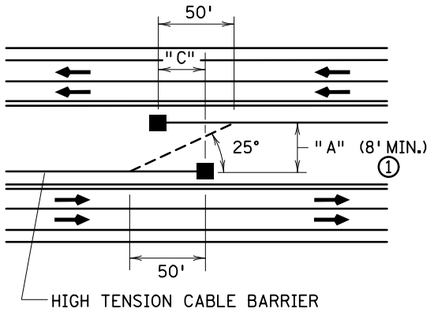
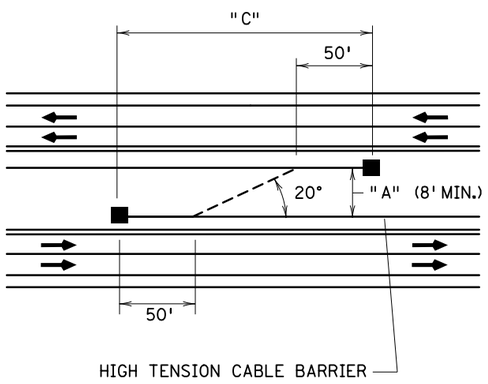


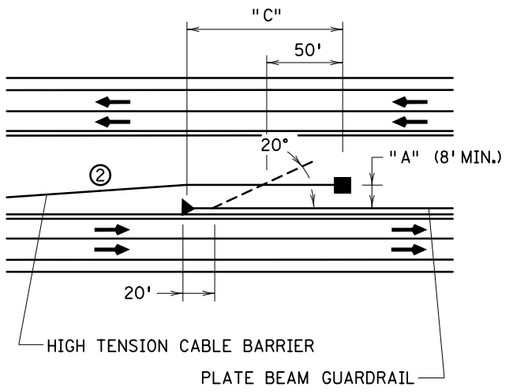
DEPARTING END DIMENSIONS	
"A"	"C" (OVERLAP)
8'	83'
12'	74'
16'	66'
20'	57'
24'	49'
28'	40'
32'	31'
36'	23'
40'	14'
44'	6'
>=47'	OVERLAP NOT REQUIRED

OVERLAP AT DEPARTING ENDS OF CABLE BARRIER



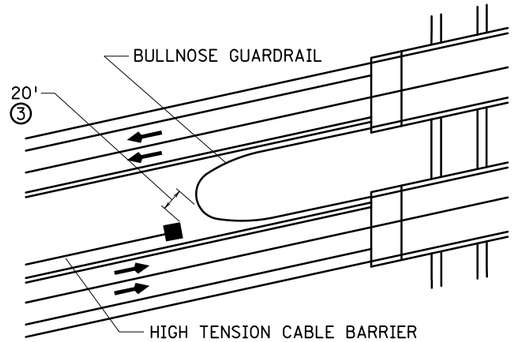
APPROACH END DIMENSIONS	
"A"	"C" (OVERLAP)
8'	122'
12'	133'
16'	144'
20'	155'
24'	166'
28'	177'
32'	188'
36'	199'
40'	210'
44'	221'
48'	232'
52'	243'
56'	254'

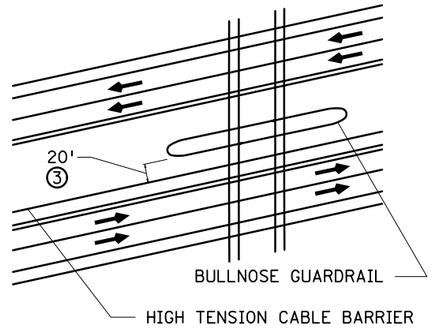
OVERLAP AT APPROACH ENDS OF CABLE BARRIER



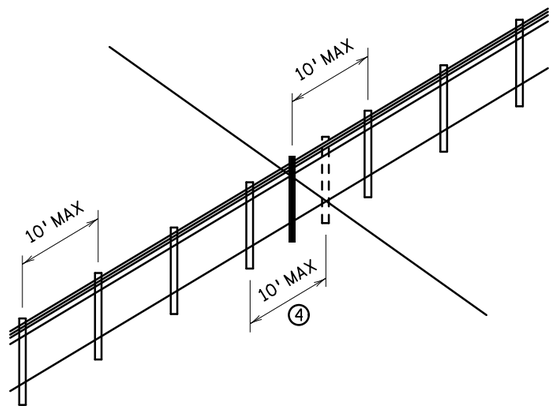
APPROACH END DIMENSIONS	
"A"	"C" (OVERLAP)
8'	92'
12'	103'
16'	114'
20'	125'
24'	136'
28'	147'
32'	158'
36'	169'
40'	180'
44'	191'
48'	202'
52'	213'
56'	224'

OVERLAP AT PLATE BEAM GUARDRAIL

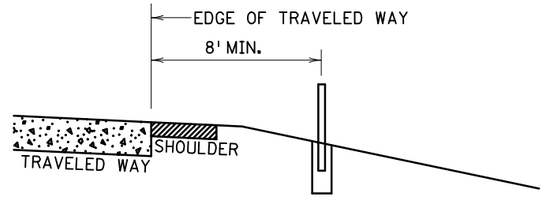




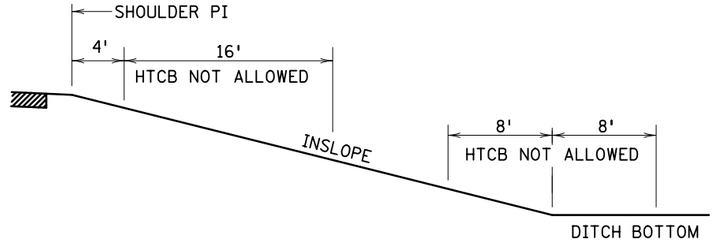
CLEARANCES AT BRIDGE PIER/BULLNOSE



POST SPACING AT UTILITY CROSSING



PLACEMENT ADJACENT TO TRAVELED WAY
(ON INSLOPES 1V:4H OR FLATTER)



PLACEMENT ON 1V:4H SLOPE AND ON SLOPES BETWEEN 1V:6H AND 1V:4H TO AVOID OVERRIDES/UNDERRIDES
(HTCB ON INSLOPES FLATTER THAN 1V:6H DO NOT REQURE SPECIAL PLACEMENT)

NOTES:

STEEPEST INSLOPE FOR HTCB PLACEMENT IS 1V:4H.

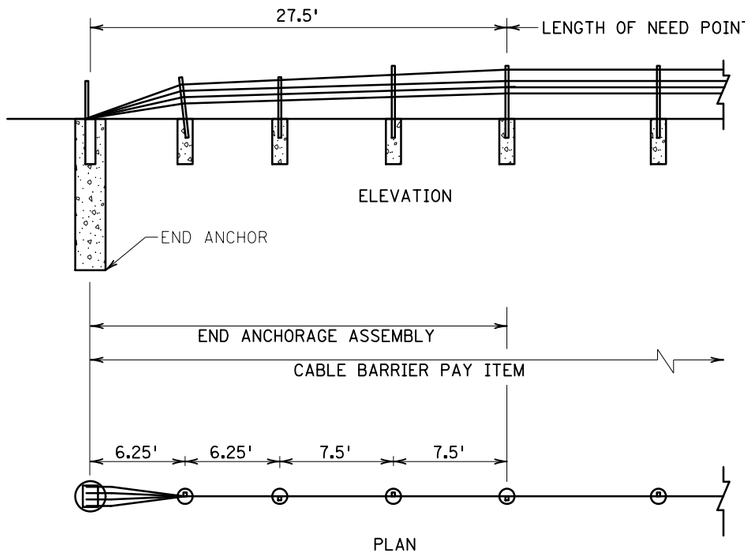
CABLE SPLICE HARDWARE PER MANUFACTURER RECOMMENDATION. TWO SPLICES PER LINE POST MAXIMUM. PROVIDE SWAGED FITTINGS FOR ALL CABLE CONNECTIONS.

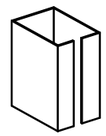
ALL LINE POST SOCKETS AND LINE POSTS SHALL BE PLUMB, SEE MANUFACTURER'S SPECIFICATIONS.

LINE POST SOCKET LOCATION SHALL MEET THE SOIL REQUIREMENTS PER MnDOT GEOTECHNICAL ENGINEERING SECTION.

1. IF DIMENSION "A" IS GREATER THAN 47' OVERLAP NOT REQUIRED.
2. USE 1:25 TAPER IF NEEDED TO OBTAIN 8' CLEARANCE.
3. RECOMMENDED CLEARANCE.
4. MODIFY POST SPACING TO AVOID UTILITY CONFLICTS. POST SPACING NOT TO EXCEED 10'.

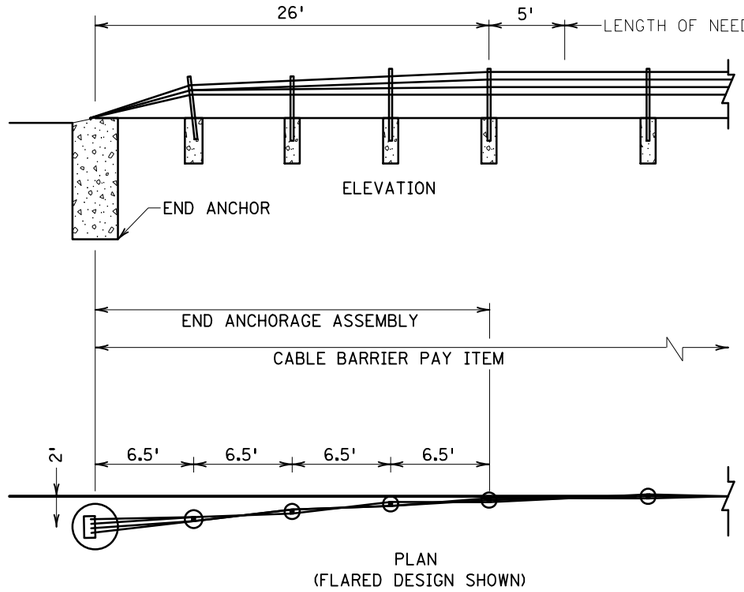
LEAD EXPERT OFFICE	NANCY YOO DESIGN SUPPORT DIRECTOR OFFICE OF PROJECT MANAGEMENT & TECHNICAL SUPPORT	HIGH TENSION CABLE BARRIER (HTCB) MEDIAN PLACEMENT, OVERLAP, AND UTILITY CROSSINGS	APPROVED: 02-28-2022 REVISED:	THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.688	1 OF 2
	DEPARTMENT OF TRANSPORTATION	STANDARD PLAN	STATE PROJ. NO.	SHEET NO.		
			TRUNK HWY.	TOTAL SHEETS		

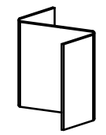




"C" POST SYSTEM

(GIBRALTER TL-4
CABLE BARRIER SYSTEM)





"Z" POST SYSTEM
(BRIFEN TL-4
(4-ROPE) WRSF)

NOTES:

THESE ARE PROPRIETARY ITEMS IN ACCORDANCE WITH SPEC. 1703.

SEE SPECIAL PROVISIONS FOR POST DELINEATORS AND OBJECT MARKERS.

SEE SPECIAL PROVISIONS FOR END ANCHORAGE AND LINE POST ASSEMBLY FOUNDATION DESIGN REQUIREMENTS, IN ACCORDANCE WITH SPEC. 2554.

FIELD-LOCATE ALL UTILITIES IN THE END ANCHORAGE ASSEMBLY AREAS.

CHECK WITH MANUFACTURER FOR SPECIFIC OFFSET REQUIREMENTS.

SET ALL POSTS WITHIN END ANCHORAGE IN CONCRETE FOUNDATIONS WITH A MINIMUM DEPTH OF 5'. CONCRETE MIX 3G52.

EPOXY COAT ALL REINFORCEMENT BARS IN ACCORDANCE WITH SPEC. 3301.

THESE DETAILS ARE FOR DESIGN GUIDANCE INFORMATION ONLY. CHECK WITH MANUFACTURER FOR CURRENT DETAILS AND INSTALLATION INSTRUCTIONS.

LEAD EXPERT OFFICE NANCY YOO DESIGN SUPPORT DIRECTOR OFFICE OF PROJECT MANAGEMENT & TECHNICAL SUPPORT		HIGH TENSION CABLE BARRIER (HTCB) END ANCHORAGE SYSTEMS	APPROVED: 02-28-2022 REVISED:	THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.688 / 2 OF 2
DEPARTMENT OF TRANSPORTATION		STANDARD PLAN	STATE PROJ. NO.		SHEET NO.
			TRUNK HWY.		TOTAL SHEETS