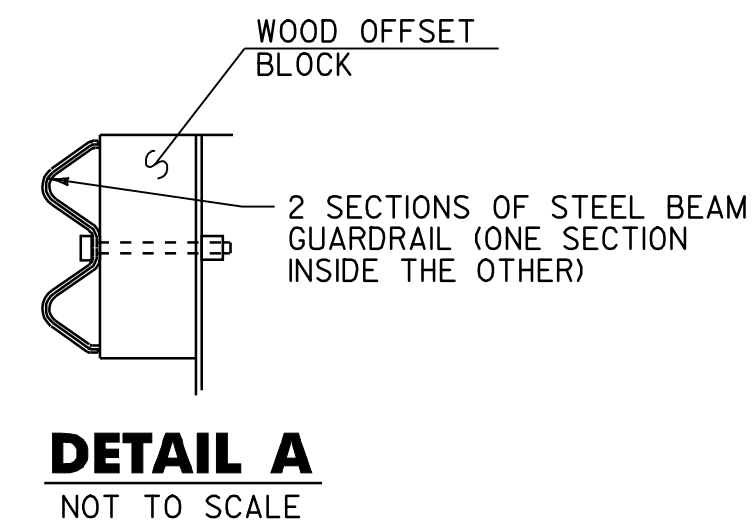
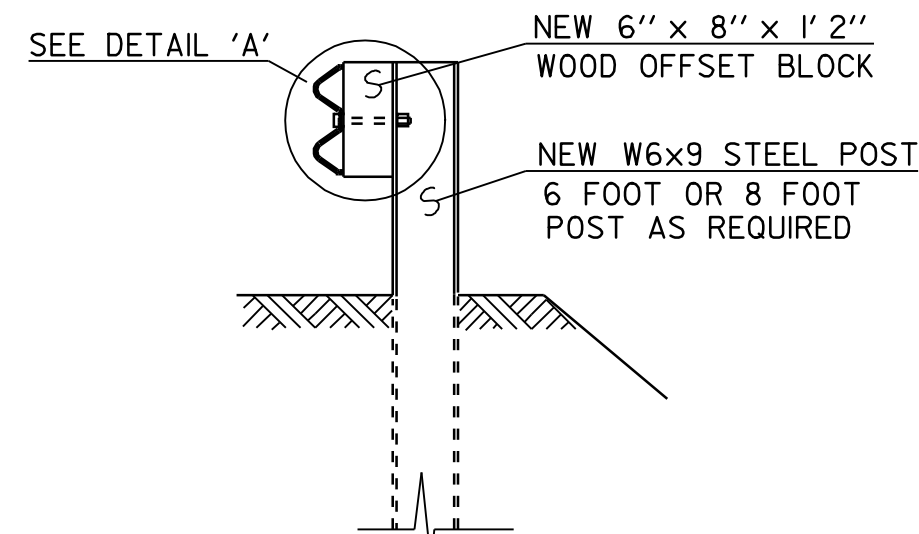


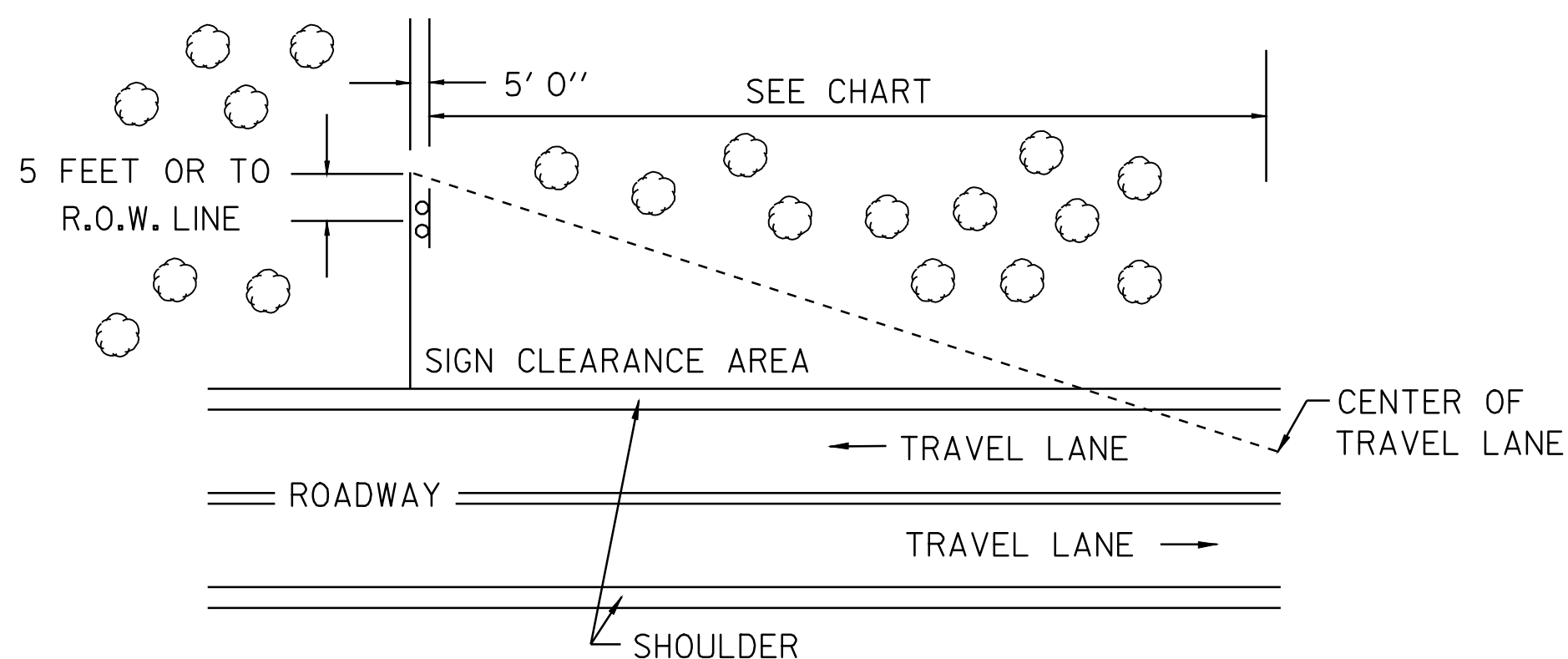
DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS AND BRIDGES

BRIDGE #4 - STA 128+30 (MM 2.430) (48" CMPAC)
 BRIDGE #9 - STA 304+75 (MM 5.772) (5' x 5' CONC. BOX)
 UNNUMBERED BRIDGE - STA 310+70 (MM 5.884) (4' x 4' CONC. BOX)
 NOT TO SCALE



NOTES

1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.



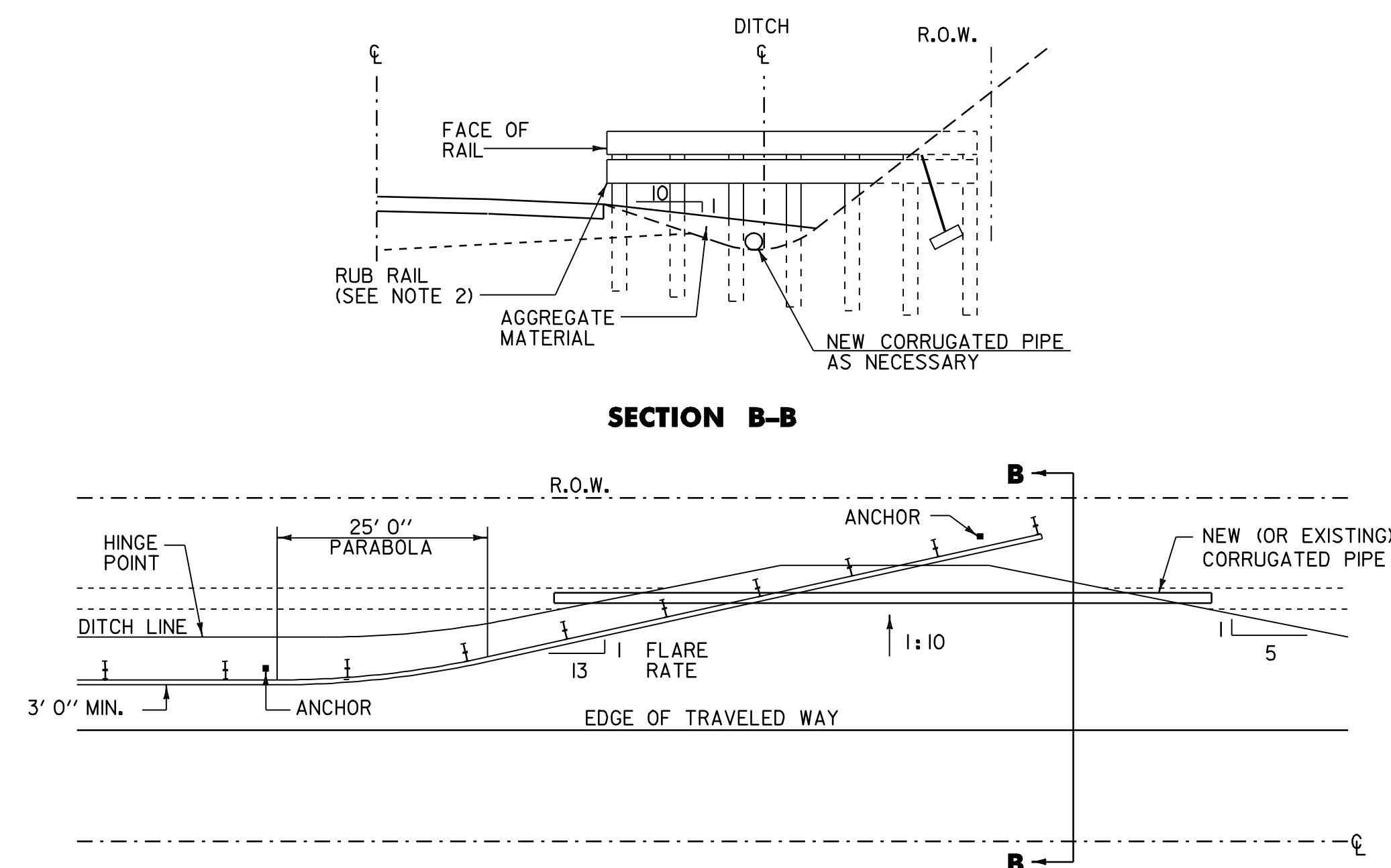
MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE	
	(meters)	(feet)
30 OR LESS	90	300
35	105	350
40	120	400
45	135	450
50	150	500
55	165	550

THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL. PAYMENT WILL BE FOR THINNING AND TRIMMING ITEM 201.31, AND PAID FOR PER EACH. (NO CHEMICALS, POISONS, OR DEFOLIANTS ALLOWED)

CLEARING LIMITS FOR SIGNS ON CONVENTIONAL ROADS

NOT TO SCALE



DETAIL FOR BURIED GUARDRAIL ENDS INTO BACKSLOPES

MORGAN

- STA 106+00.0 LT
- STA 110+00.0 LT
- STA 110+87.5 LT
- STA 135+30.0 LT
- STA 137+12.5 LT
- STA 305+12.5 LT
- STA 310+00.0 LT
- STA 311+50.0 LT

NOT TO SCALE

NOTES:

1. PRIMARY RAIL SHALL REMAIN AT A CONSTANT HEIGHT (LEVEL) RELATIVE TO THE HEIGHT OF RAIL AT THE EDGE OF SHOULDER.
2. ADDITION OF RUB RAIL IS REQUIRED WHEN OPENING BENEATH PRIMARY RAIL EXCEEDS 18 INCHES; RUB RAIL EXTENDS FROM THE EDGE OF SHOULDER TO THE BACK SLOPE.

**MISCELLANEOUS DETAIL SHEET
 (GUARDRAIL SPAN AT SMALL BRIDGE DETAIL)
 (CLEARING LIMITS FOR SIGNS)
 (BURIED END GUARD RAIL DETAILS)**

DESIGNED BY LFW DATE 6/06

DRAWN BY LFW DATE 6/04

DESIGN FILE NO. /pave/99ci92/99ci92.dgn

PRF FILE 99ci92gr1.i DATE PLOTTED 12-MAR-2007 11:3

PROJ. NAME: MORGAN

PROJ. NO.: AC STP 2220(1)S

SHEET 60 OF 61 SHEETS

DATUM	N/A
VERTICAL	N/A
HORIZONTAL	N/A