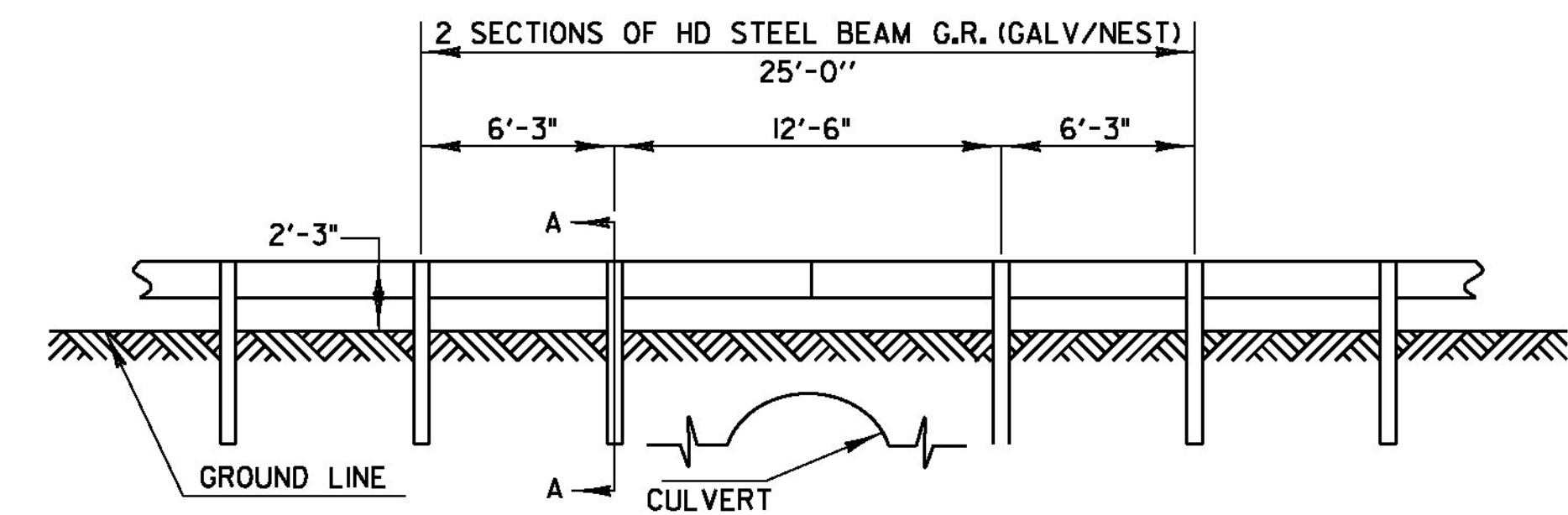


**BRIDGE TRANSITION DETAIL**

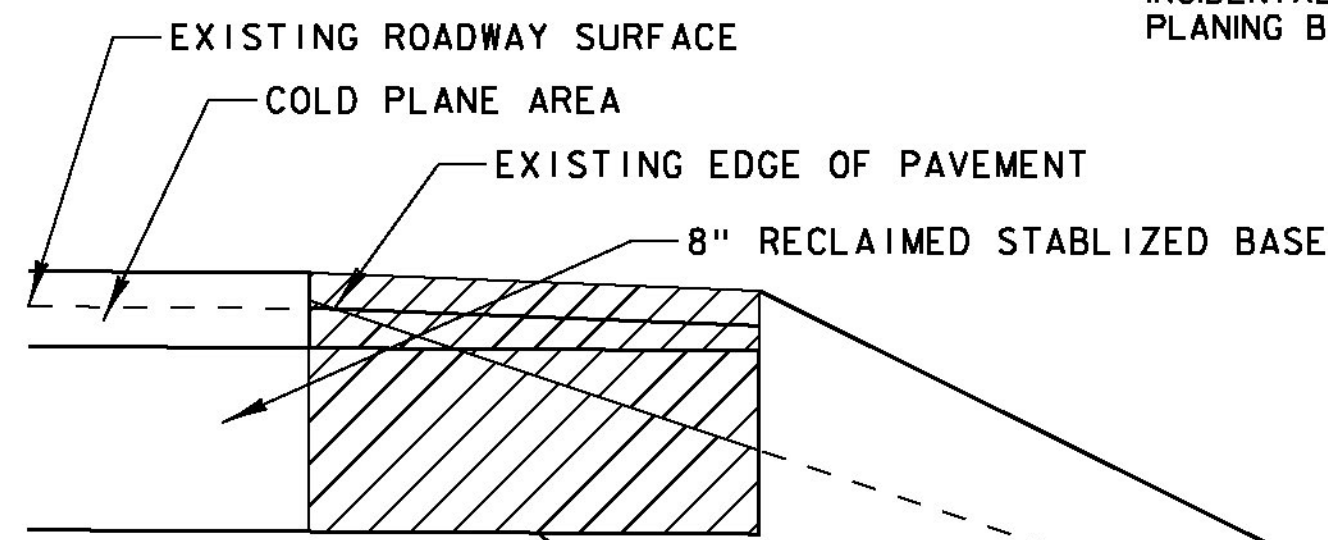
ELMORE  
STA. 359+29.00



**DETAIL OF STEEL BEAM GUARDRAIL AT SMALL CULVERTS**

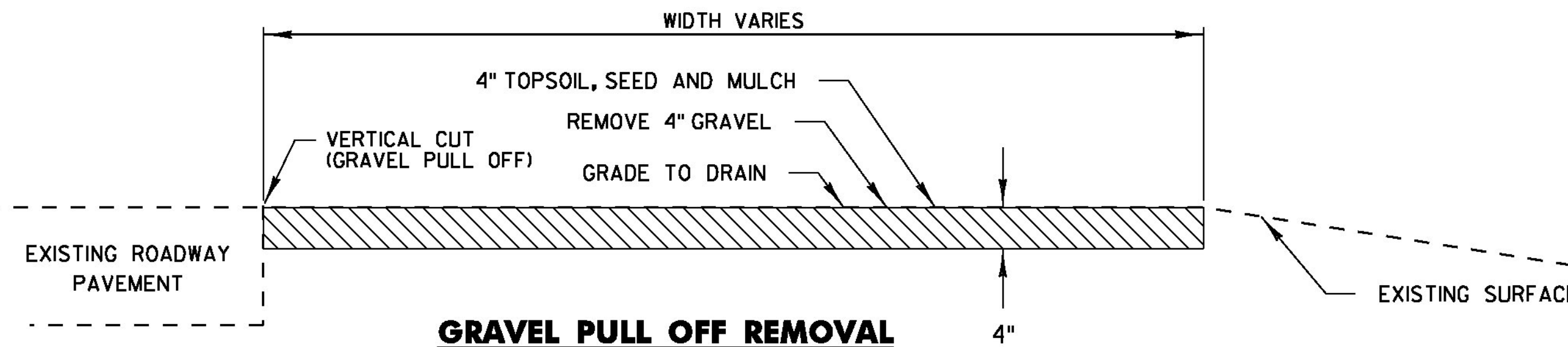
ELMORE STA. 297+35 RT&LT  
MORRISTOWN STA. A 110+12 LT

- NOTES:**
1. SEE STANDARDS G-1 AND G-1d FOR STEEL BEAM GUARDRAIL DETAILS.
  2. THIS WORK WILL BE PAID UNDER ITEM 621.216 "HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED" OR ITEM 621.217 "HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS" AT A PAY FACTOR OF 1.0.
  3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE ENGINEER.



**EXISTING SHOULDER RECONSTRUCTION DETAIL**

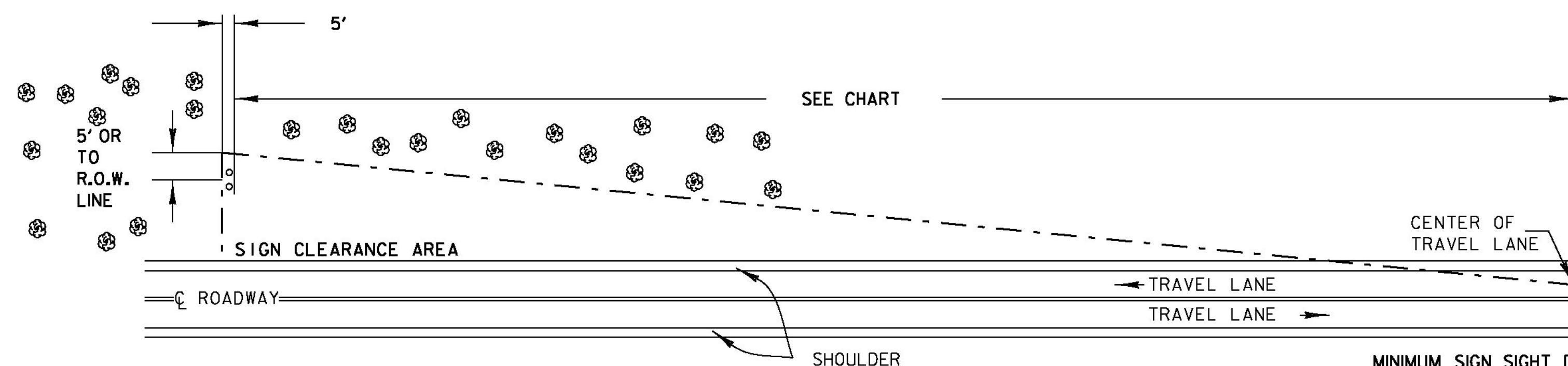
EXISTING UNSUITABLE MATERIAL TO BE REMOVED AS DIRECTED BY THE ENGINEER (PAID AS ALL PURPOSE EXCAVATOR RENTAL, TYPE 1). NEW ITEM 301.28 SUBBASE OF CRUSHED GRAVEL, FINE GRADED TO BE PLACED, AND THEN COMPACTED AS SPECIFIED IN SUBSECTION 301.06.



**GRAVEL PULL OFF REMOVAL**

ELMORE  
STA. 417+50 RT

- NOTE:**
1. ALL EXCAVATION AND GRADING ASSOCIATED WITH PERFORMING THIS WORK WILL BE PAID UNDER THE APPLICABLE RENTAL ITEMS.



**THINNING AND TRIMMING FOR SIGNS DETAIL**

THE CONTRACTOR SHALL REMOVE ALL WOODY STEMMED GROWTH INCLUDING BRUSH, SAPLINGS AND TREE LIMBS GROWING WITHIN OR PROJECTING INTO THE CLEARANCE AREA AND DOWN TO GROUND LEVEL OR AT LEAST 10 FT BELOW THE BOTTOM OF THE SIGN. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 2010 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS. NO CHEMICALS (POISONS OR DEFOLIANTS) ALLOWED.

MINIMUM SIGN SIGHT DISTANCE CHART

APPROACH SPEED (mph)	SIGHT DISTANCE (feet)
30 OR LESS	300
35	350
40	400
45	450
50	500
55	550

DETAILS ARE NOT TO SCALE

**SEEDING FORMULA**

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

**GENERAL NOTES**

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER ITEM 651.18; FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20; TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE RESIDENT ENGINEER.

TOPSOIL ITEM 651.35; TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

**PROJECT TYPICAL SHEET 3**

PROJECT NAME: ELMORE-MORRISTOWN

PROJECT NUMBER: STP 2937 (1)

FILE NAME: z11c310.dgn

PROJECT LEADER: C. LATHROP

DESIGNED BY: S. LAMPHERE

PLOT FILE: z12c310.9.i

PLOT DATE: 3/3/14

DRAWN BY: S. LAMPHERE

CHECKED BY: C. LATHROP

SHEET 9 OF 194