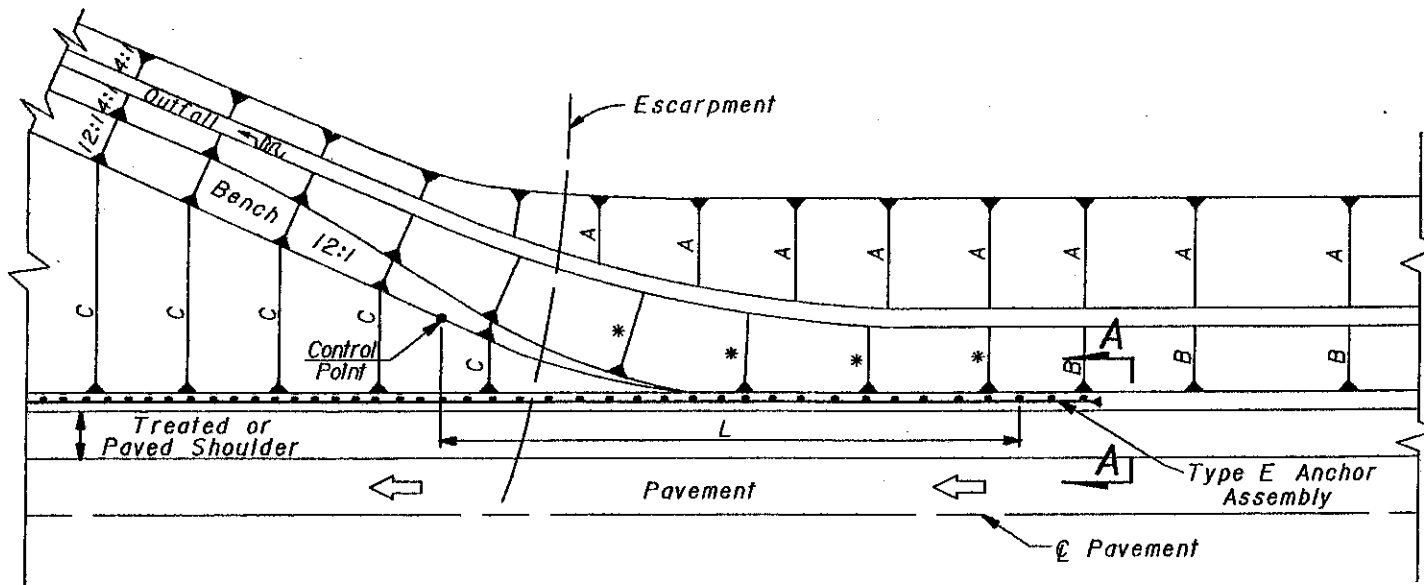
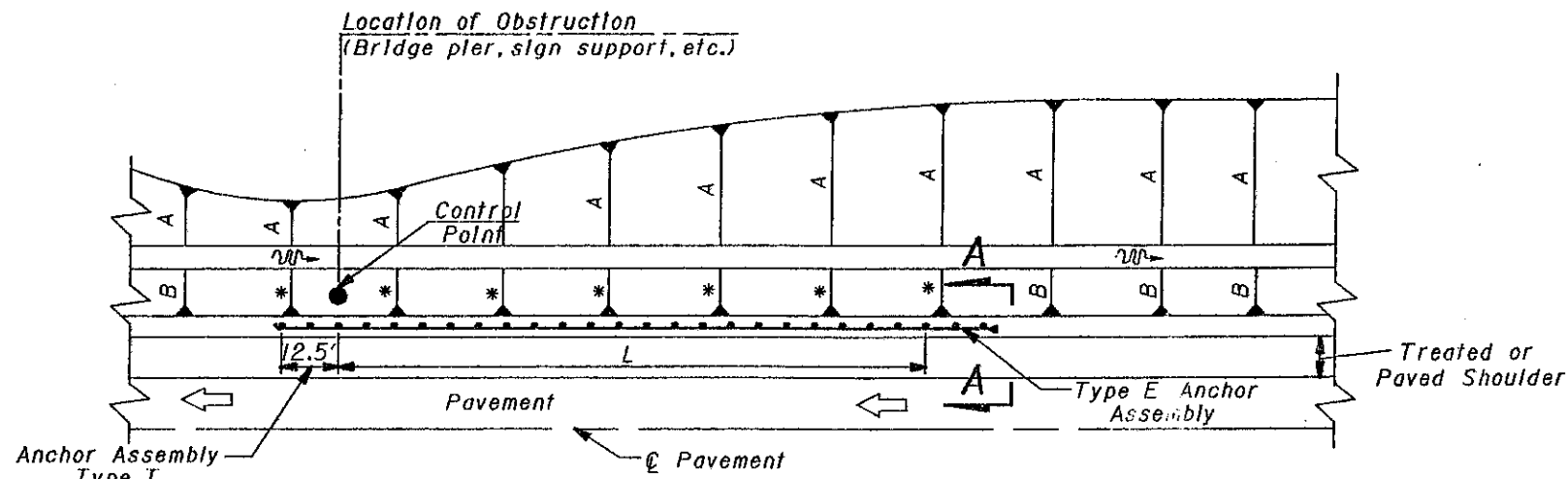


**FILL TO FILL**



**CUT TO FILL**



**OBSTRUCTION**

**NOTES**

**THE APPLICATION** of details shown herein shall only be utilized where approach foreslopes are steeper than 6:1, but not steeper than 3:1.

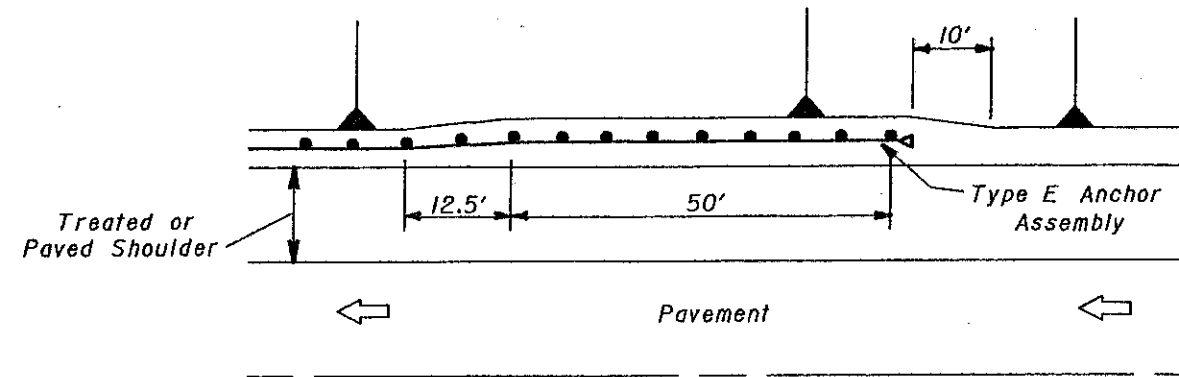
**SLOPES** designated by \* shall be 3:1 or flatter. Slopes labeled A, B or C shall be constructed as specified in the plans.

**DISTANCES** shown as L shall be constructed as specified in the plans. Distance L is the length of guardrail extending beyond the control point parallel to the centerline. The control points shown designate the extent of the hazard being shielded and is shown for design use only.

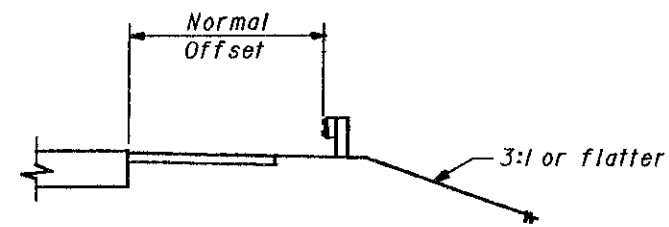
**GUARDRAIL END TERMINALS** utilized for the situations shown herein shall be Type E Anchor Assemblies unless otherwise specified in the plans.

**THE OBSTRUCTION INSTALLATION** shown is applicable for one-directional roadways only.

**THE OFFSET DESIGN** shown may be specified and/or constructed where it is deemed detrimental to lose effective shoulder width due to the dimensions of the Type E Anchor Assembly. The final 50' of guardrail is to be offset an additional 9" from the normal guardrail offset by tapering within the 12.5' shown below. The graded shoulder width shall be increased 9" also and tapered back to the normal width in 10' as shown.



**OFFSET DESIGN**  
(Plan View)



**SECTION A-A**

BUREAU OF LOCATION AND DESIGN OHIO DEPARTMENT OF TRANSPORTATION	
<b>INTRODUCTION OF GUARDRAIL RUNS Foreslope steeper than 6:1</b>	
STANDARD CONSTRUCTION DRAWING	<b>GR-5.3</b>
APPROVED <i>D.K. Hulman</i> ENGR., L & D	DATE 10-30-92