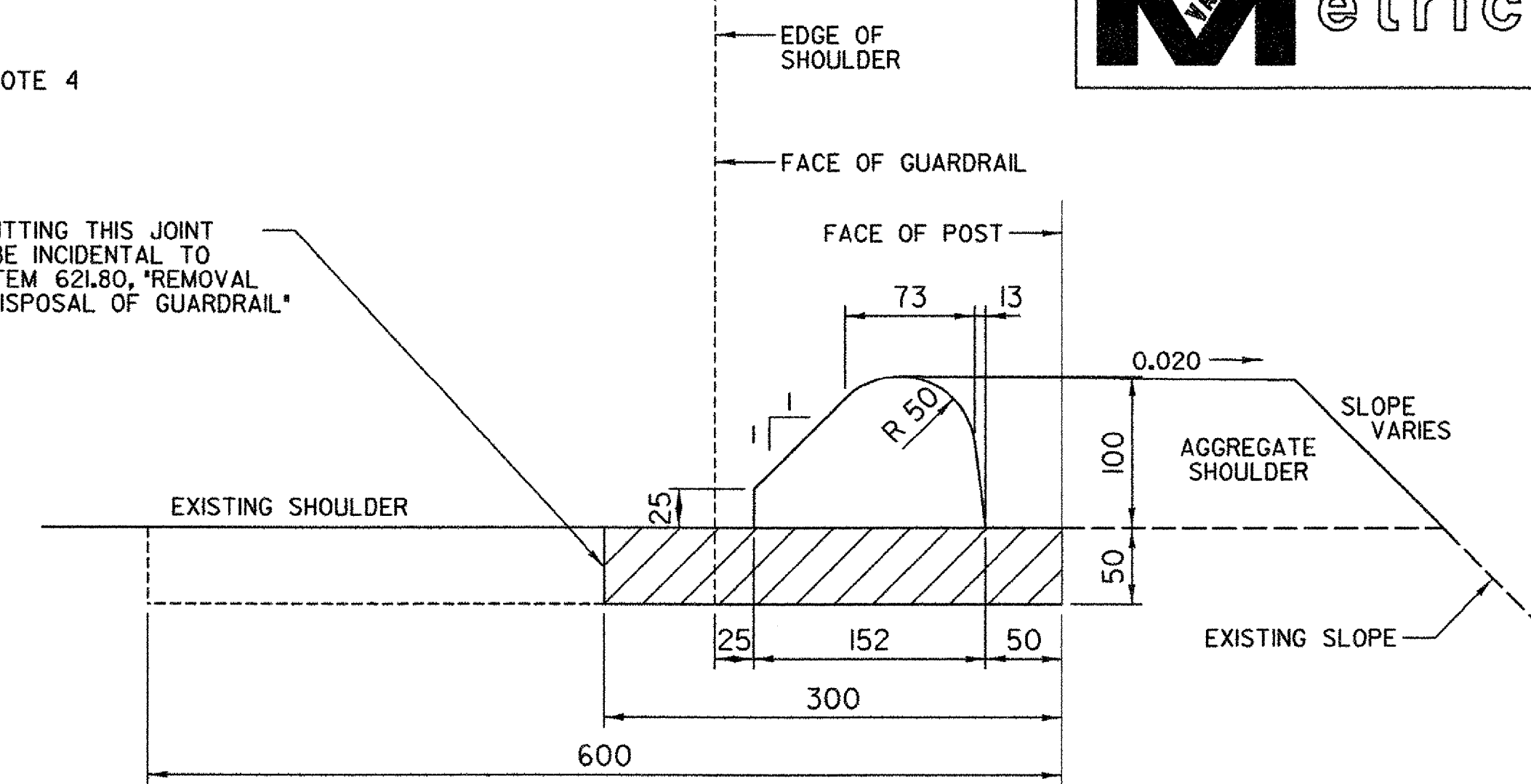


**DETAIL FOR BURIED GUARDRAIL ENDS INTO BACKSLOPE WITH RUBRAIL**

NOT TO SCALE

SAWCUTTING THIS JOINT WILL BE INCIDENTAL TO PAY ITEM 621.80, "REMOVAL AND DISPOSAL OF GUARDRAIL"

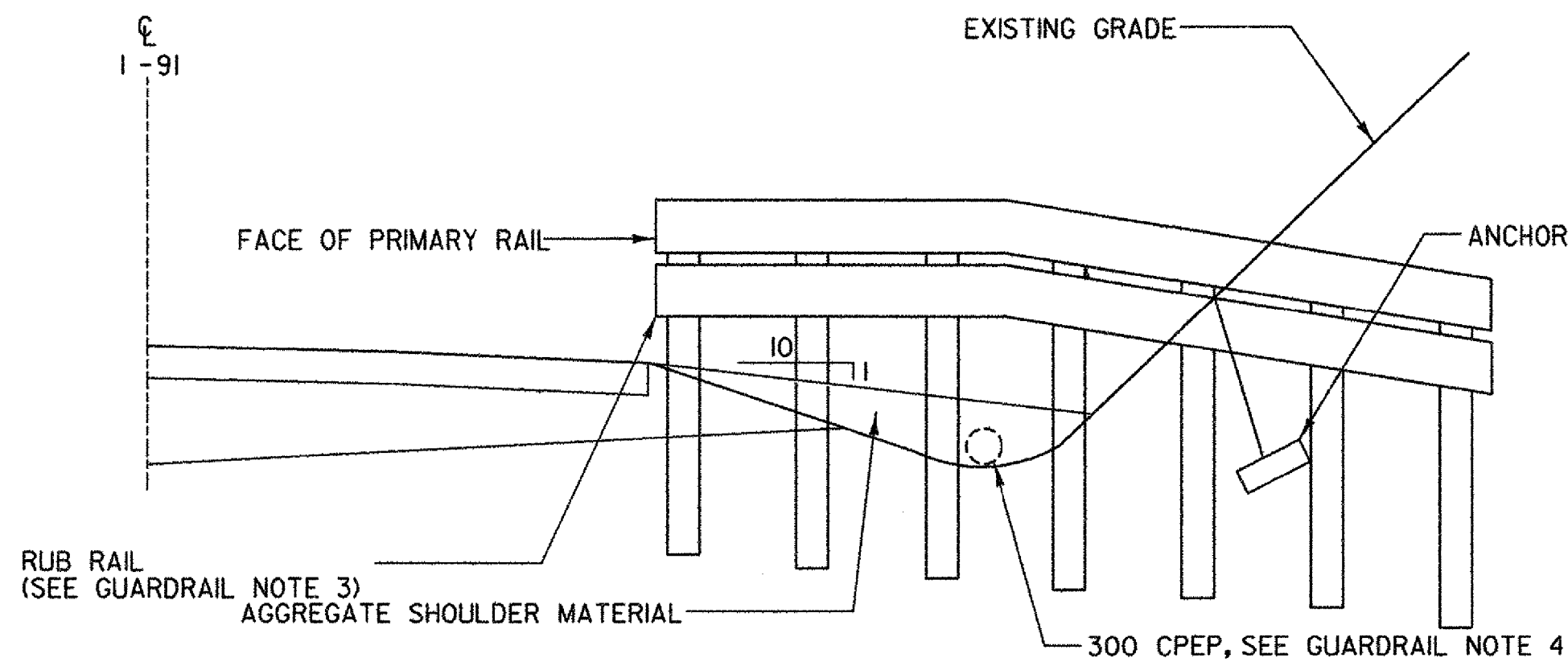


**BITUMINOUS CONCRETE CURB DETAIL TYPE B**

NOT TO SCALE

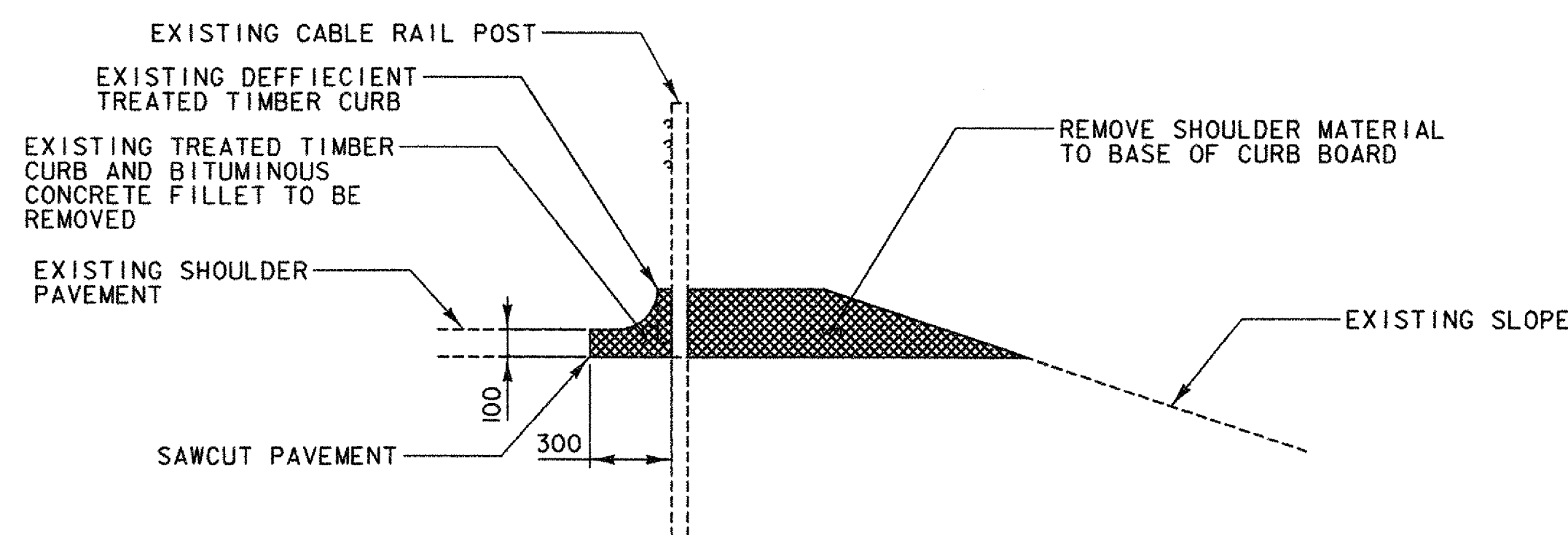
**BITUMINOUS CURB NOTES:**

1. TO BE USED FOR REPLACEMENT OF TREATED TIMBER CURB WITH BITUMINOUS CONCRETE CURB, TYPE B WITHIN THE LIMITS OF THE PROJECT. WHERE GUARDRAIL IS REPLACED, ALL TREATED TIMBER CURB SHALL BE REMOVED AND REPLACED WITH BITUMINOUS CONCRETE CURB, TYPE B AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. THE PREPARATION OF BED, PLACING AND SEALING OF BITUMINOUS CONCRETE CURB SHALL BE IN CONFORMANCE WITH SECTION 616 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. APPROXIMATE WEIGHT OF CURB = 27.14 KG/METER



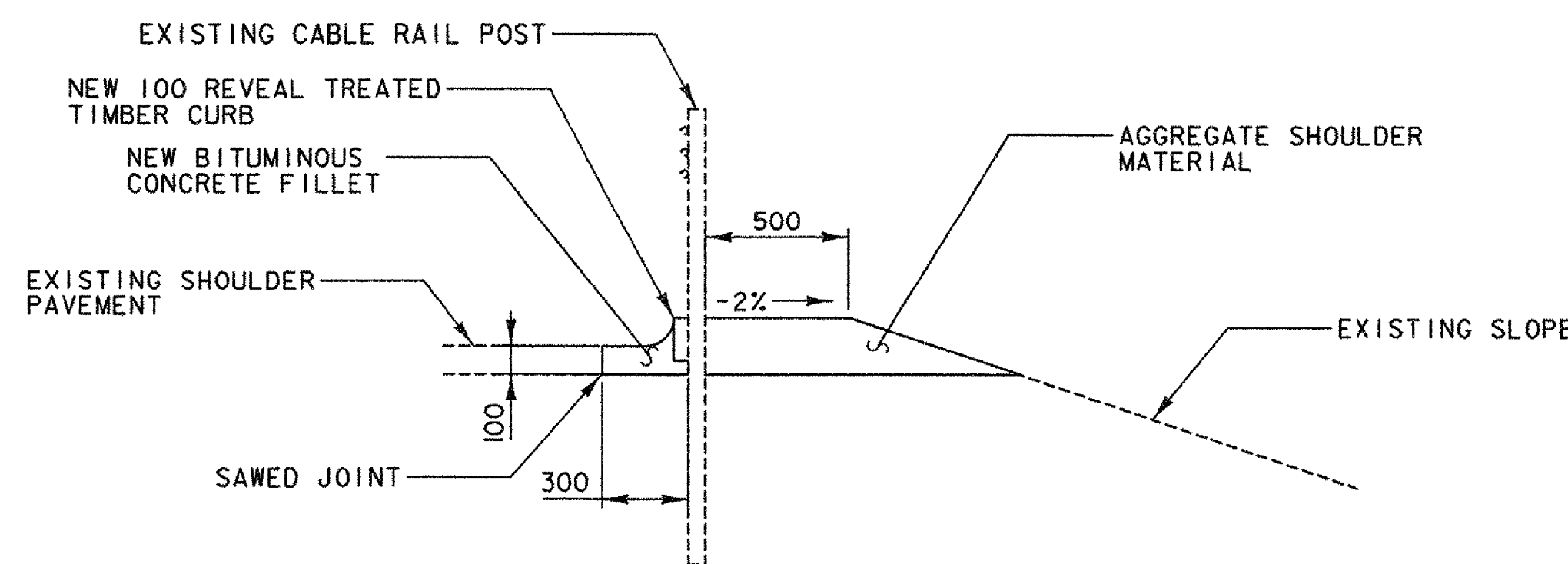
**SECTION B-B**

NOT TO SCALE



**TREATED TIMBER CURB REMOVAL**

NOT TO SCALE



**TREATED TIMBER CURB INSTALLATION**

NOT TO SCALE

**GUARDRAIL NOTES:**

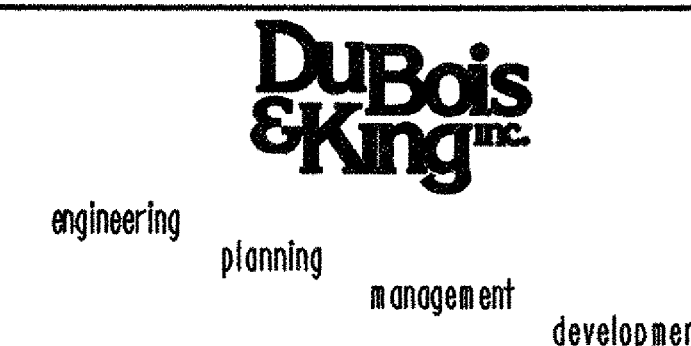
1. BURIED GUARDRAIL END DETAIL PROVIDED TO BE USED AT THE DISCRETION OF THE ENGINEER.
2. THE ELEVATION OF THE PRIMARY RAIL SHALL REMAIN CONSTANT UNTIL RAIL CROSSES LOWEST POINT OF DITCH BOTTOM.
3. ADDITION OF RUB RAIL IS REQUIRED WHEN VERTICAL CLEARANCE BENEATH PRIMARY RAIL EXCEEDS 300 mm.
4. INSTALL 300 mm DIA. CPEP AS DIRECTED BY THE ENGINEER. 300mm CPEP SHALL BE PAID WITH PAY ITEM 601.0905, "300 mm CPEP".
5. EXCAVATION NEEDED FOR THE INSTALLATION OF BURIED END TREATMENTS SHALL BE PAID FOR UNDER ITEM 203.15, "COMMON EXCAVATION".
6. THE USE OF A BURIED END TREATMENT SHALL INCORPORATE AN ANCHOR AS SHOWN IN THE DETAIL. ALL MATERIALS AND WORK ASSOCIATED WITH INSTALLATION OF THE ANCHOR SHALL BE PAID FOR UNDER ITEM 621.60, "ANCHOR FOR STEEL BEAM RAIL".
7. WHERE RUB RAIL IS NECESSARY, IT SHALL BE PAID FOR UNDER ITEM 621.20, "STEEL BEAM GUARDRAIL (GALVANIZED)" AT A FACTOR OF 1.4.

**TREATED TIMBER CURB NOTES:**

1. WHERE EXISTING GUARDRAIL POSTS ARE TO REMAIN AND WHERE TREATED TIMBER CURB IS TO BE REMOVED AND REPLACED, IN PART OR IN WHOLE, WITH NEW TREATED TIMBER CURB, THE SAWED JOINT SHALL BE 100 mm DEEP. REMOVAL OF THE CURB AND BITUMINOUS CONCRETE FILLET SHALL BE PAID FOR UNDER ITEM 616.41, "REMOVAL OF EXISTING CURB". THE REMOVAL SHALL BE AS SHOWN IN "TREATED TIMBER CURB REMOVAL" DETAIL.
2. INSTALLATION OF NEW TREATED TIMBER CURB SHALL BE AS SHOWN IN THE "TREATED TIMBER CURB INSTALLATION" DETAIL. INSTALLATION OF THE NEW TREATED TIMBER CURB SHALL BE PAID FOR UNDER ITEM 616.35, "TREATED TIMBER CURB". THE NEW BITUMINOUS CONCRETE FILLET SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF THE NEW TREATED TIMBER CURB. AGGREGATE SHOULDER MATERIAL SHALL BE PLACED BEHIND NEW TREATED TIMBER CURB. PAYMENT FOR AGGREGATE SHOULDER MATERIAL SHALL BE MADE UNDER ITEM 402.11, "AGGREGATE SHOULDERS, TRUCK MEASUREMENT" OR ITEM 402.11, "AGGREGATE SHOULDERS, TRUCK MEASUREMENT (MOD. - COLD PLANE GRINDINGS)".

NOTE: ALL DIMENSIONS IN MILLIMETERS (mm), EXCEPT WHERE NOTED.

**BURIED GUARDRAIL ENDS AND CURB DETAILS**



PROJECT NAME: HARTFORD - NEWBURY  
PROJECT NUMBER: IM 091-2(67)

FILE NAME: ...\\DGN\ZA042DT01.dgn  
PROJECT LEADER: C.D. LATHROP  
DESIGNED BY: C.D. LATHROP  
PLOT DATE: 9/27/2006  
DRAWN BY: R. H. BARNES  
CHECKED BY: E. P. DETRICK  
SHEET 7 OF 32