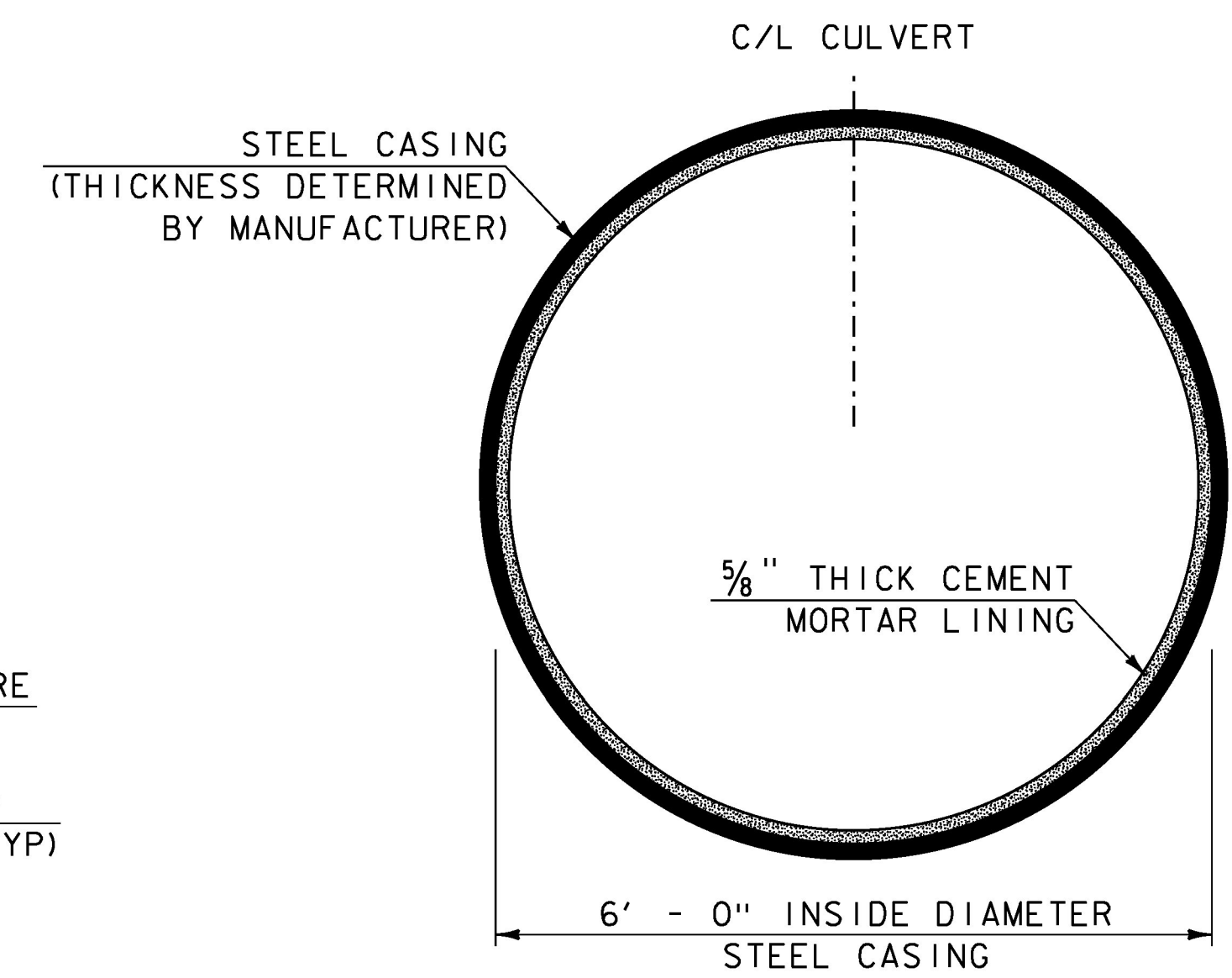


**TYPICAL ROADWAY SECTION
(AT CENTERLINE OF PIPE)**

NOT TO SCALE

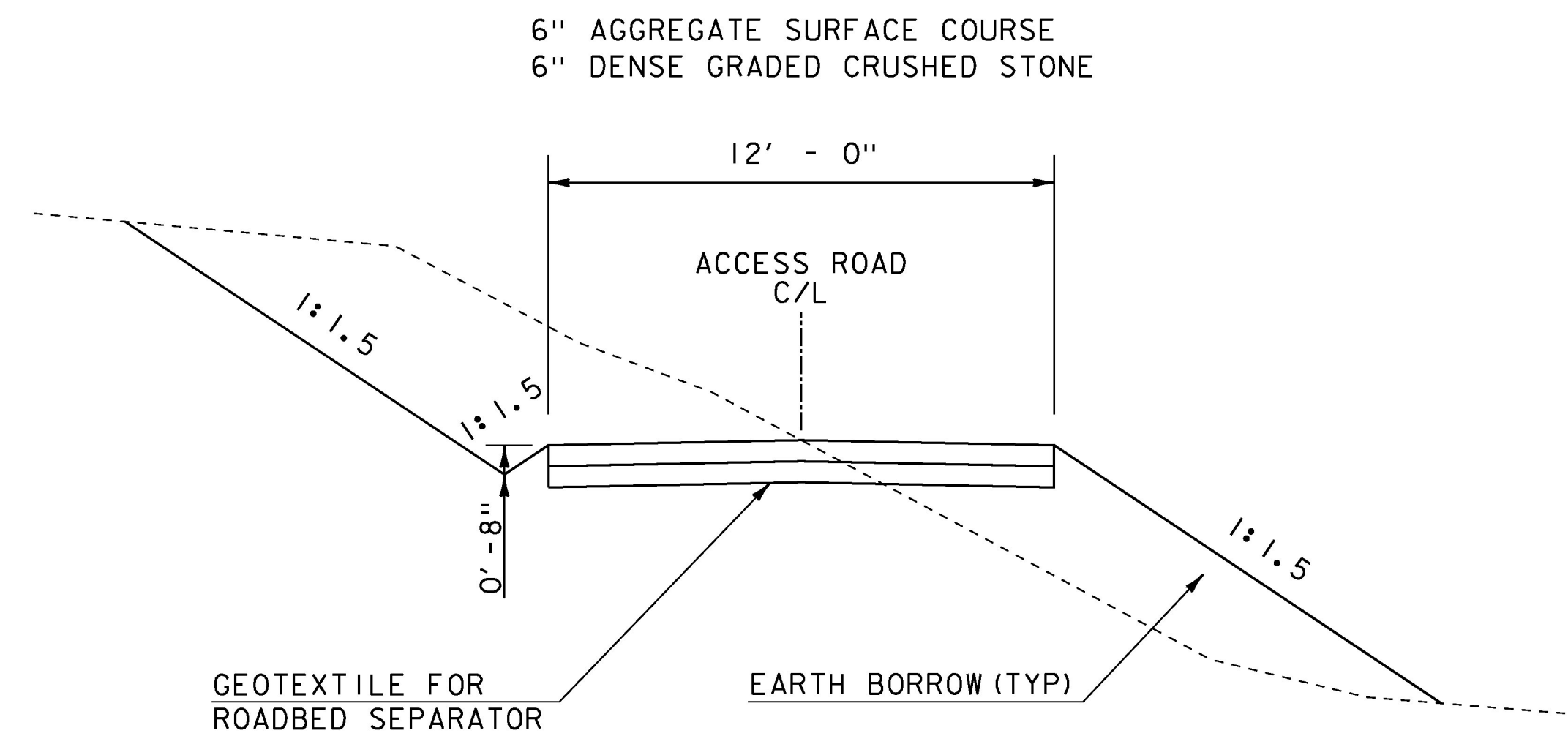


TYPICAL CULVERT SECTION

NOT TO SCALE

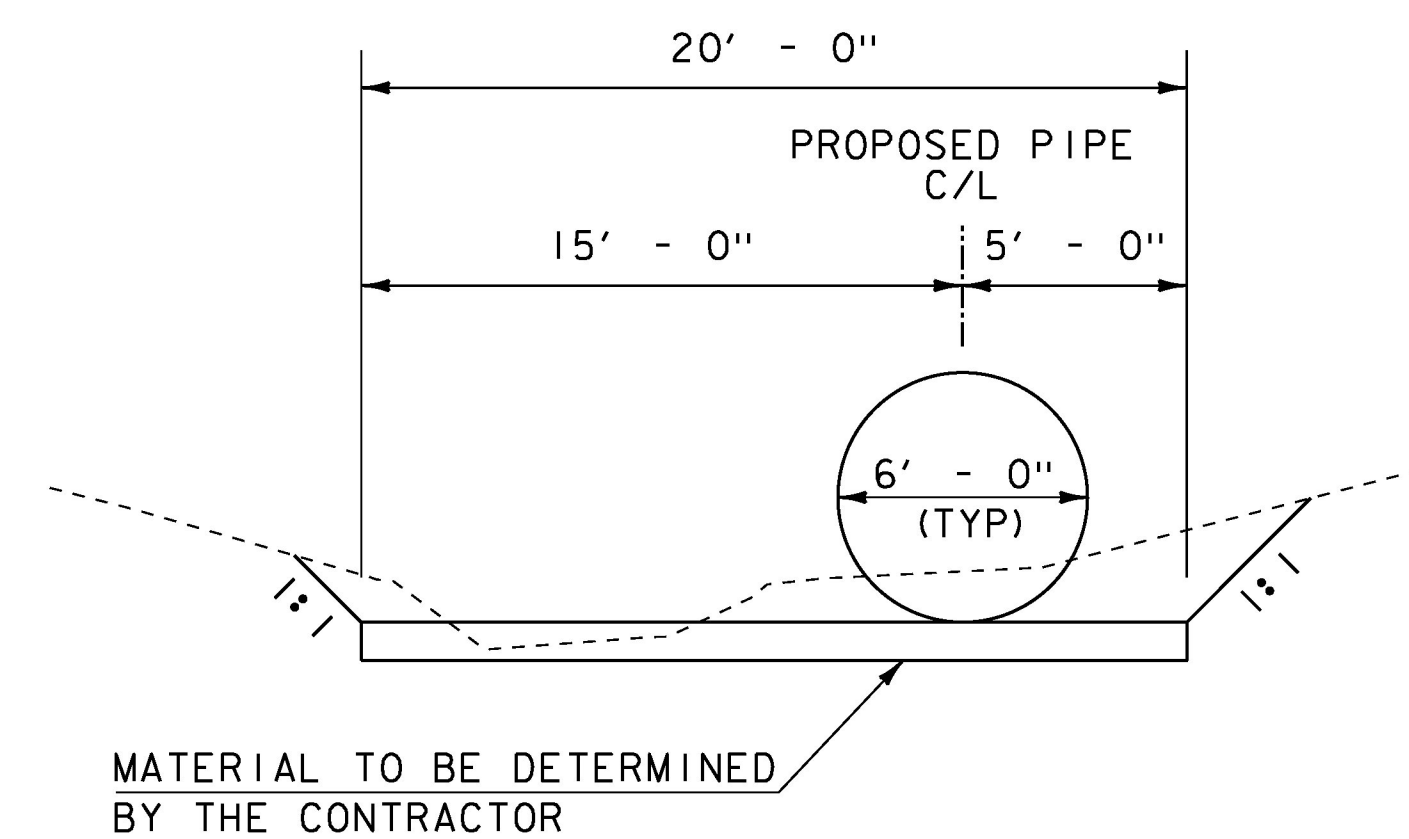
GENERAL NOTES:

1. A MINIMUM OF 1.5 FEET OF MATERIAL SHALL BE EXCAVATED BELOW THE BOTTOM OF THE OUTLET FOOTINGS AND 2.0 FEET BELOW THE INLET FOOTINGS.
2. GRANULAR BACKFILL FOR STRUCTURES SHALL BE PLACED TO A MINIMUM DISTANCE OF 1.5 FEET BELOW AND 1.5 FEET BEHIND ALL WINGWALLS AND HEADWALLS.
3. IF THE EXISTING GUARDRAIL IS DAMAGED OR REMOVED FOR THE CONTRACTORS CONVENIENCE, IT SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
4. EARTH BORROW SHALL BE PLACED AT A 1:3 SLOPE TO BACKFILL THE HEADWALL AND WINGWALLS ON THE NORTH SLOPE FROM STATION 125+12 TO STATION 125+90 LT.
5. THE SOUTH SLOPE SHALL SMOOTHLY TRANSITION FROM A 1:4 SIDE SLOPE AT STATION 124+50 RT. TO A 1:2 SIDE SLOPE AT STATION 125+00 RT.
6. THE SOUTH SLOPE SHALL BE STABILIZED WITH TYPE II STONE FILL AND 6" OF GRUBBING MATERIAL FROM STATION 125+00 TO STATION 125+50 RT.
7. THE EXISTING BOX CULVERT SHALL BE ABANDONED IN PLACE AND SHALL BE FILLED WITH CONTROLLED DENSITY (FLOWABLE) FILL.
8. IN ORDER TO CONSTRUCT THE PROPOSED INLET WINGWALLS AND FOOTINGS THE EXISTING INLET WINGWALLS SHALL BE REMOVED. THIS WORK WILL BE PAID FOR UNDER ITEM 203.16 SOLID ROCK EXCAVATION.
9. A 50' X 20' RAMMING PAD SHALL BE CONSTRUCTED AT THE INLET OF THE PIPE. ALL WORK AND MATERIALS ASSOCIATED WITH THE STAGING AREA WILL BE CONSIDERED INCIDENTAL TO SPECIAL PROVISION (TRENCHLESS PIPE WITH CEMENT MORTAR LINING) (72" DIAMETER). THE RAMMING PAD SHALL BE OFFSET TO THE WEST (SEE TYPICAL SECTION) OF THE PIPE INVERT TO MINIMIZE IMPACTS TO THE CHANNEL EMBANKMENT. THE STAGING AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION AND LINED WITH STONE FILL, TYPE II AFTER THE PIPE HAS BEEN INSTALLED.



TYPICAL ACCESS ROAD SECTION

NOT TO SCALE



**TYPICAL STAGING AREA
(RAMMING PAD) SECTION**

NOT TO SCALE

PROJECT NAME:	HIGHGATE
PROJECT NUMBER:	STP SCR(12)
FILE NAME:	d13ci34+typ.dgn
PROJECT LEADER:	B. MARTIN
DESIGNED BY:	A. KEMPTON
TYPICAL SECTIONS SHEET	
PLOT DATE:	14-OCT-2016
DRAWN BY:	A. KEMPTON
CHECKED BY:	M. GAMELIN
SHEET	4 OF 40