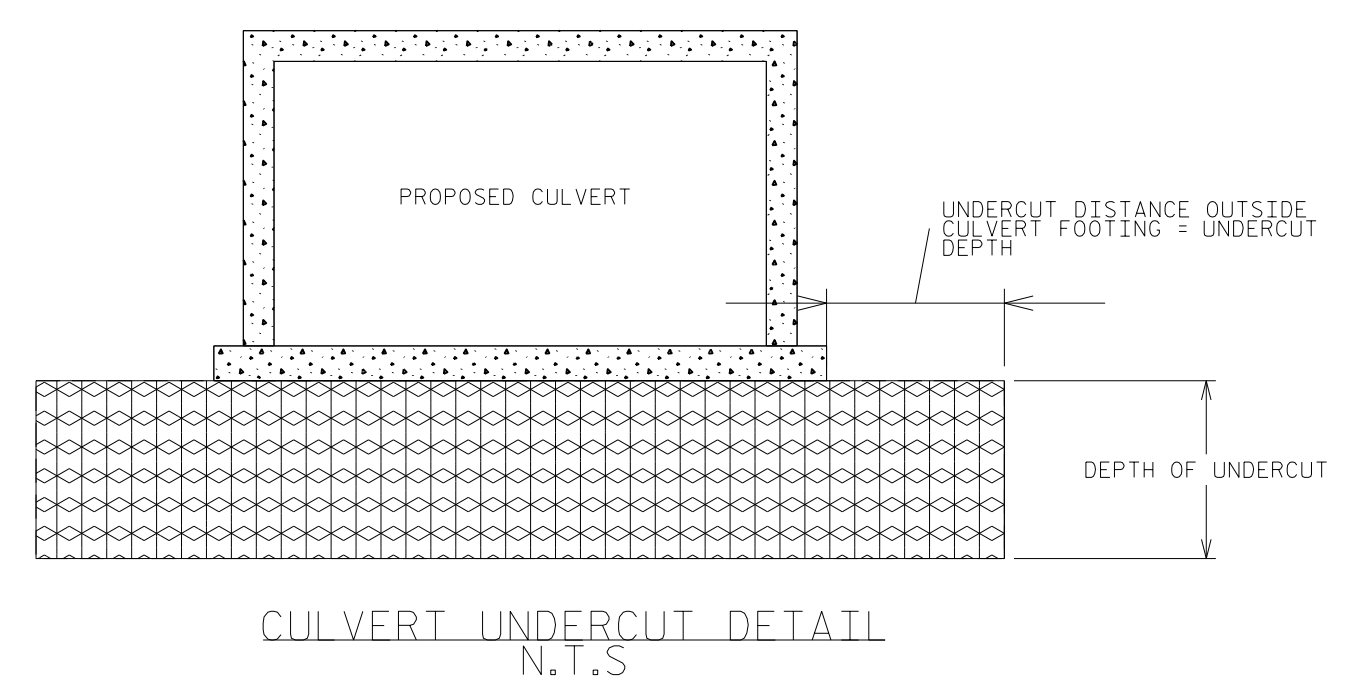


GEOTECHNICAL ENGINEER  
 ENGINEER  
  
 Documented by: *M.H.S.* 2/5/2021  
 C447682002314CC  
 SIGNATURE DATE SIGNATURE DATE  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

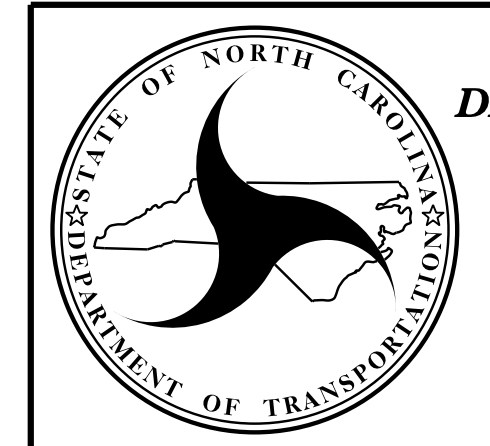
- FOUNDATION RECOMMENDATIONS**
- 1) FOR CULVERT EXCAVATION, SEE SECTION 414 OF THE STANDARD SPECIFICATIONS.
  - 2) THE REINFORCED CONCRETE BOX CULVERT SHALL BE PLACED ON THE STANDARD 1.0 FOOT BLANKET OF FOUNDATION CONDITIONING MATERIAL SEE SECTION 414 OF THE STANDARD SPECIFICATIONS. STANDARD UNDERCUT IS NOT DEPICTED ON THESE DRAWINGS.
  - 3) UNDERCUT SOFT/VERY LOOSE SOILS THAT MAY BE ENCOUNTERED BENEATH THE BOTTOM OF THE FOUNDATIONS TO A DEPTH OF 5 FT OR TO A SUFFICIENT BEARING MATERIAL. BACKFILL UNDERCUT AREAS WITH FOUNDATION CONDITIONING MATERIAL. SEE DETAIL SHEETS 2G-1 AND 2G-2 FOR LOCATION AND PROFILE VIEWS. ESTIMATED UNDERCUT QUANTITY IS 1,780 CUBIC YARDS. UNDERCUT DISTANCE OUTSIDE THE EDGE OF THE FOOTING WILL EQUAL TO THE DEPTH OF UNDERCUT (SEE DETAIL). UNDERCUT CLASSIFIED AS UNCLASSIFIED EXCAVATION, ACCEPTABLE, BUT NOT IN THE TOP 3 FEET.
- COMMENTS**
- 1) THE STATIONS AND ELEVATIONS IN THIS RECOMMENDATION ARE TAKEN FROM THE HYDRAULIC SURVEY REPORT. BOTTOM OF CULVERT INVERT ELEVATIONS RANGE FROM +829 FT TO +827 FT.
  - 2) THE REQUIRED BEARING CAPACITY AT THE BASE OF THE CULVERT IS 2 TSF. THE REQUIRED BEARING CAPACITY SHALL BE VERIFIED.



UNDERCUT EXCAVATION  
 SEE NOTE 2 FOR STANDARD UNDERCUT

-Y15FLYBD- +00.00  
 120.00' RT  
 2' BASE LATERAL DITCH  
 W/CLASS '1' RIP RAP  
 EST. 258 TONS  
 332 SY GEOTEXTILE  
 SEE SHEET '2D-1'  
 DETAIL '1'

PREPARED BY: MHS DATE: 2/4/2021  
 REVIEWED BY: SCC DATE: 2/4/2021



NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
  
**GEOTECHNICAL  
 ENGINEERING UNIT**

PROJECT NO.: 34839.1.8 (U-2579AB)  
 FORSYTH COUNTY  
 STATION: 768+62.23 -L-  
 SHEET 1 OF 2

**CULVERT NO. 749  
ON FUTURE WS NORTHERN  
BELTWAY OVER FIDDLER CREEK  
UNDERCUT PLAN VIEW**

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	
1			3			2G-1
2			4			