

NOTES

ASSUMED LIVE LOAD......HL-93 OR ALTERNATE LOADING.

DESIGN FILL IS MEASURED FROM FINISHED GRADE TO TOP OF ALSP PIPE ARCH AT Ų −CULVERT-.

MAXIMUM DESIGN FILL...... 7.0 FEET

THE RESIDENT ENGINEER SHALL CHECK THE LENGTH OF TUNNEL BEFORE STAKING IT OUT TO MAKE CERTAIN THAT IT WILL PROPERLY TAKE CARE OF THE FILL.

FOR OTHER DESIGN DATA AND NOTES, SEE STANDARD NOTES SHEET.

FOR ALUMINUM STRUCTURAL PLATE PIPE ARCH CULVERT, SEE SPECIAL PROVISIONS.

ALSP DENOTES ALUMINUM STRUCTURAL PLATE.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR #57 STONE, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL

PROVISIONS.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR MAINTENANCE OF TRAFFIC, SEE

THE STANDARD SPECIFICATIONS.

TRAFFIC CONTROL PLANS. FOR PIPE CULVERTS, SEE SECTION 300 OF

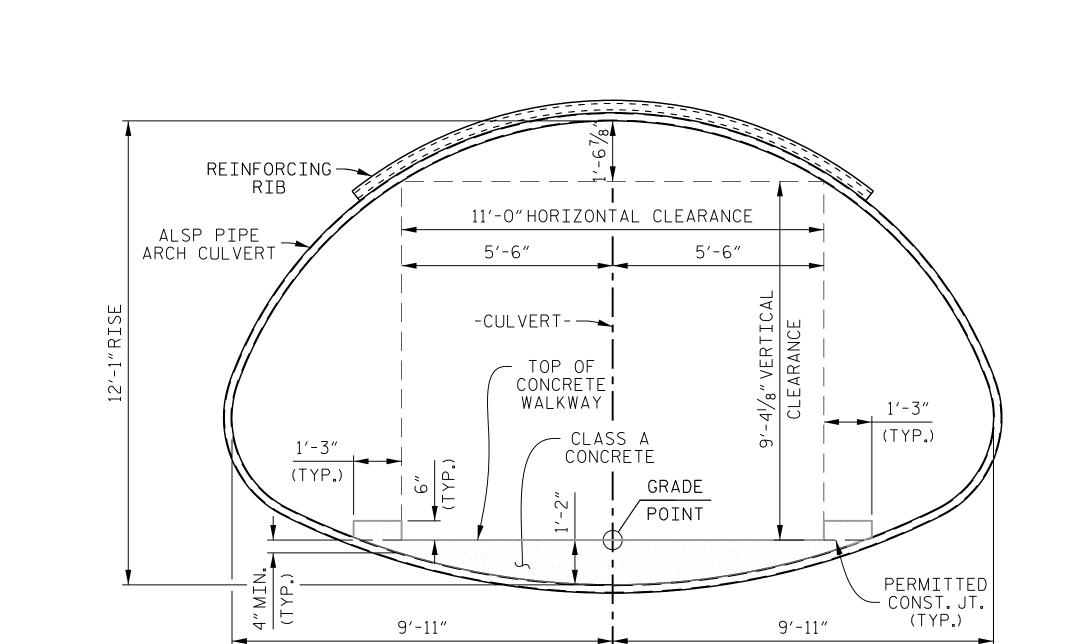
F.A. PROJECT No.: HSIP-0421(79)

MAXIMUM FACTORED VERTICAL STRESS ON FOUNDATION MATERIAL IS 2,000 LBS./SF.

DEWATERING WILL BE REQUIRED DURING CONSTRUCTION.

NO WORK SHALL BE DONE ON THE PIPE CULVERT AT STA. 28+32.19 -L- UNTIL THE AREA OF THE PIPE CULVERT HAS BEEN UNDERCUT AND UNSUITABLE MATERIAL REPLACED WITH SUITABLE MATERIAL, PROPERLY COMPACTED TO THE ELEVATION OF THE BOTTOM OF THE PROPOSED FLOOR SLAB. THE LIMITS OF THIS UNDERCUT EXCAVATION SHALL BE AT LEAST 2'-0" OUTSIDE THE PIPE CULVERT. NO SEPARATE PAYMENT WILL BE MADE FOR ANY TEMPORARY SHEETING, UNDERCUT, OR UNSUITABLE MATERIAL REPLACEMENT AS REQUIRED TO CONSTRUCT THE PROPOSED CULVERT. PAYMENT IS INCLUDED IN THE LUMP SUM PRICE FOR CULVERT EXCAVATION.

FOR MSE RETAINING WALL DETAILS, SEE SHEETS C-3 TO C-6.



19'-10" SPAN

RIGHT ANGLE SECTION OF TUNNEL

(WALKWAY REINFORCING NOT SHOWN)

EL.187± — EL.187± 19<u>5</u> EL.187± — EL. 187 ± -ALSP PIPE EL.188± 19<u>0</u> EL.187± — 18<u>5</u> EL.188± 18<u>0</u> EL.186± TOP OF APPROXIMATE CONCRETE --EXISTING © STA. 28+32.19 -L-WALKWAY 17<u>5</u> GROUND 17<u>0</u> 59′-7″ 56'-6" TOTAL LENGTH OF TUNNEL = 116'-1" PROJECT NO. PROFILE ALONG -CULVERT-**HARNETT STATION:** SHEET 1 OF 6

STRUCTURE QUANTITIES FOUNDATION CONDITIONING 550 TONS MATERIAL CULVERT EXCAVATION LUMP SUM CLASS A CONCRETE 54.3 CU. YDS. ALSP PIPE ARCH CULVERT (19'-10" x 12'-1") LUMP SUM #57 STONE 2000 TONS

FOR MSE RETAINING WALL QUANTITIES, SEE SHEETS C-3 TO C-6.

> K. E. LOFTON DATE : 12–14 T. M. HARRIS CHECKED BY __ DATE : <u>1–15</u>

PLANS PREPARED BY **PARSONS** NC LICENSE No. F-0246



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

<u> 1</u>95

<u>1</u>90

<u>1</u>85

<u>1</u>80

<u>1</u>70

28 + 32.19 - L -

W-5206AG

COUNTY

PEDESTRIAN TUNNEL UNDER US 421/NC 27 (-L-) BETWEEN SR 2000 (WADE STEWART ROAD) AND SR 2057 (HATCHER STREET)

> **REVISIONS** SHEET No.

DESIGN ENGINEER : _____T. M. HARRIS _ DATE : <u>1</u>–15