NOTES:

FOR MECHANICALLY STABILIZED EARTH (MSE) RETAINING WALLS, SEE MECHANICALLY STABILIZED EARTH RETAINING WALLS PROVISION. FOR TYPE I REINFORCED BRIDGE APPROACH FILL, SEE BRIDGE APPROACH FILLS PROVISION AND ROADWAY DETAIL DRAWING NO. 422D01. A SEPARATION GEOTEXTILE IS REQUIRED AT THE BACK OF THE REINFORCED ZONE FOR RETAINING WALL NOS.1 AND 2. A DRAIN IS REQUIRED FOR RETAINING WALL NOS.1 AND 2.

BEFORE BEGINNING MSE WALL DESIGN FOR RETAINING WALL NOS.1 AND 2, SURVEY WALL LOCATION AND SUBMIT A REVISED WALL PROFILE VIEW (WALL ENVELOPE) FOR REVIEW. DO NOT START WALL DESIGN OR CONSTRUCTION UNTIL THE REVISED WALL ENVELOPE IS ACCEPTED. DESIGN RETAINING WALL NOS.1 AND 2 FOR THE FOLLOWING: 1) DESIGN HEIGHT (H) = WALL HEIGHT + WALL EMBEDMENT

2) DESIGN LIFE = 100 YEARS

3) MAXIMUM FACTORED VERTICAL PRESSURE ON FOUNDATION MATERIAL = 6700 PSF AT WALL NO.1 AND 6900 AT WALL NO.2. 4) MINIMUM REINFORCEMENT LENGTH (L) = 1.0H 5) REINFORCED ZONE AGGREGATE PARAMETERS:

AGGREGATE TYPE *	UNIT WEIGHT (_{γ)} PCF	FRICTION ANGLE (φ) DEGREES	COHESION (c) PSF
COARSE	110	38	0
VELE MEE DETATNITHE W	NILS DRAVISTAN EC		

| #SEE MSE RETAINING WALLS PROVISION FOR COARSE AGGREGATE | MATERIAL REQUIREMENTS.

6) IN-SITU ASSUMED MATERIAL PARAMETERS:

MATERIAL TYPE UNIT WEIGHT FRICTION ANGLE COHESION (y) (o) (c) PCF DEGREES PSF RETAINED 120 30 0				
RETAINED 120 30 O	MATERIAL TYPE	UNIT WEIGHT (y) PCF	FRICTION ANGLE (ф) DEGREES	COHESION (c) PSF
	RETAINED	120	30	0
FOUNDATION 120 30 O	FOUNDATION	120	30	0

REFER TO THE TABLE ON SHEET NO.1 FOR THE MINIMUM WALL EMBEDMENT DEPTH FOR RETAINING WALL NO.1. REFER TO THE TABLE ON SHEET NO.1 FOR THE MINIMUM WALL EMBEDMENT DEPTH FROM STATION 10+00 -W2- TO 10+22 -W2 AND INCLUDE ADDITIONAL 2 FEET EMBEDMENT FROM STATION 10+22 -W2- TO 11+11 -W2- FOR RETAINING WALL NO.2.

DESIGN RETAINING WALL NOS.1 AND 2 FOR A LIVE LOAD (TRAFFIC) SURCHARGE. DO NOT PLACE LEVELING PAD CONCRETE, AGGREGATE OR REINFORCEMENT FOR RETAINING WALL NOS.1 AND 2 UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE APPROVED. AT THE CONTRACTOR'S OPTION, "TEMPORARY SHORING FOR WALL CONSTRUCTION" MAY BE USED TO CONSTRUCT RETAINING WALL NO.2. SEE MSE RETAINING WALLS PROVISION FOR TEMPORARY SHORING FOR WALL CONSTRUCTION.

PREPARED BY: SY	DATE: 6/2022
REVIEWED BY: SCC	DATE: 6/2022







	PROJECT NO.:	B-4442 BUNCO	MBE COUNTY
	STATION: <u>315+</u> SHEET 4 OF 4	72.39 -L-	WALL ID RW-1-2
NORTH CAROLINA ENT OF TRANSPORTATION ISION OF HIGHWAYS	RETAININ MSE	IG WALL NO RETAINING	S. 1 AND 2 WALL
EUTECHNICAL INEERING UNIT	NO. BY 1 2	REVISIONSDATENO.BY34	C DATE SHEET V DATE W-4

PRECAST PANELS LEVELING PAD STEP DETAIL

