GEOTECHNICAL ENGINEER	ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 028893 ENGINEER MICHAEL H. STEPHENS	
C4476820923 3/10/2015	
SIGNATURE DATE	SIGNATURE DATE

NOTES:

FOR WIRE FACED RETAINING WALLS, SEE WIRE FACED RETAINING WALL PROVISION.

FOR GUARDRAIL, SEE ROADWAY PLANS AND SECTION 862 OF THE STANDARD SPECIFICATIONS.

BEFORE BEGINNING WIRE FACED RETAINING WALL CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS SHOWN ON THE WALL PROFILE VIEW (WALL ENVELOPE) AND SUBMIT A REVISED WALL ENVELOPE FOR REVIEW. DO NOT START WALL CONSTRUCTION UNTIL THIS ENVELOPE IS ACCEPTED.

TEMPORARY SHORING IS REQUIRED IN ACCORDANCE WITH THE TEMPORARY SHORING PROVISIONS. SEE TRAFFIC CONTROL PLANS.

THE MINIMUM EMBEDMENT FOR THE WALL IS 3 FEET BELOW THE BERM ELEVATION.

TRANSITION ENDS OF WALL BY SPILLING ADJACENT SLOPE SOILS AROUND FACE OF WALL AS DIRECTED BY ENGINEER.

WHERE THE WIRE FACED RETAINING WALL INTERSECTS DRAINAGE PIPES, SUBMIT PENETRATION REINFORCEMENT DETAILS FOR APPROVAL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTUCTION. SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.

THE TOP OF WALL LOCATION, AS SHOWN IN DETAIL, CORRESPONDS TO WALL LOCATION AS SHOWN IN ROADWAY PLANS. THE CONTRACTOR/DESIGNER ARE RESPONSIBLE FOR LOCATING THE FACE OF THE BOTTOM OF WALL SO THE TOP OF WALL LINES UP WITH THE CORRECT OFFSET AS SHOWN ON PLANS.

SEE ROADWAY PLANS FOR FINISH GRADE DETAILS

EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, GUARDRAIL POSTS, PAVEMENTS, PIPES, INLETS, OR UTILITIES MAY INTERFERE WITH THE REINFORCEMENT FOR WIRE FACED RETAINING WALLS.

DO NOT PLACE LEVELING PAD STONE, SELECT MATERIAL OR REINFORCEMENT UNTIL OBTAINING APPROVAL OF THE EXCAVATION DEPTH AND FOUNDATION MATERIAL.

MINIMUM SERVICE LIFE = 100 YEARS
ALLOWABLE BEARING CAPACITY = 2000 PSF
IN-SITU ASSUMED MATERIAL PARAMETERS:

MATERIAL TYPE	UNIT WEIGHT (GAMMA) PCF	FRICTION ANGLE (PHI) DEGREES	COHESION (C) PSF
BACKFILL	120	32	0
FOUNDATION	120	28	0

PROJECT NO.: 33217.1.1 (B-3673)
MCDOWELL COUNTY
STATION: 30+57.19 TO 37+00.00 -L-
SHEET 03 OF 03

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL
ENGINEERING UNIT

MSE WIRE FACED
RETAINING WALL

REVISIONS							SHEET NO.
NO.	BY	DATE	NO.	BY	DATE		
1	–	–	3				W-3
2			4				

PREPARED BY: MHS	DATE: 1/8/15
REVIEWED BY: SCC	DATE: 3/10/2015