

TC Mirafi Engineering Services, Inc.

365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA 30567 TEL (706) 693-2226

CONSTRUCTION NOTES FOR THE PLACEMENT OF MIRAFIREINFORCEMENT AND BACKFILL SOILS FOR TEMPORARY MECHANICALLY STABILIZED FARTH (MSF) WALLS

I O DESIGN CRITERIA

IJ SOIL PARAMETERS SEE WALL CONTROL DRAWINGS FOR SOIL CHARACTERISTICS OF FOUNDATION MATERIAL TO BE USED IN THE DESIGN OF THE WALL SYSTEM. THE CONTRACTOR SHALL PROVIDE SOIL DESIGN PARAMETERS FOR BACKFILL MATERIAL BASED ON THE ACTUAL SOIL CHARACTERISTICS UTILIZED AT THE SITE. THE VALUE OF 01. C. AND SHALL BE PROVIDED IN THE SHOP DRAWINGS.

1.2 MINIMUM FACTOR OF SAFETY

1.2.1 EXTERNAL STABILITY

SLIDING	/.5
OVERTURNING	2.0
BEARING CAPACITY	2.5

1.2.2 INTERNAL STABILITY

RUPTURE	/.:
PULLOUT	1.5

12.3 GIORAL STABILITY

1.2.4 UNIFORM SURCHARGE 250 PSF

125 HYDROSTATIC FORCES NONE

1.2.6 SEISMIC FORCES

IN ACCORDANCE WITH AASHTO AND FOOT PLANS PREPARATION MANUAL.

2.0 MATERIALS

- 2.J GEOSYNTHETIC REINFORCEMENT AND RETENTION FABRIC. MIRAFI 140N. SHALL BE MANUFACTURED BY TC MIRAFI. PENDERGRASS. GEORGIA.
- 2.2 REINFORCED BACKFILL SHALL MEET THE REQUIREMENTS IN FLORIDA DOT SPECIFICATIONS - SECTION 548 RETAINING WALL SYSTEMS.
- 2.3 WALL FACING SHALL BE PRE-FARRICATED STEEL WIRE FORMS COMPOSED OF A MINIMUM W3.5 SIZE STANDARD WIRE WELDED ORTHOGONALLY 4 INCHES ON CENTER. STEEL WIRE FORMS SHALL BE AS DETAILED IN THE DRAWINGS.
- 2.4 RING FASTENER SHALL BE BLAIR STYLE *3-LOXIT. ID GAUGE GALVANIZED. MANUFACTURED BY DECKER MANUFACTURING CO. OR EQUIVALENT.

3.0 WALL CONSTRUCTION

- 3.1 FOR LOCATION AND ALIGNMENT OF REINFORCED SOIL STRUCTURES, SEE RETAINING WALL CONTROL PLANS.
- 3.2 STEEL WIRE FORMS. REINFORCEMENT. SOIL RETENTION FABRIC. AND COMPACTED FILL SHALL BE PLACED IN SUCCESSIVE LIFTS IN THE SEQUENCE SHOWN IN THE CONSTRUCTION DRAWINGS.
- 3.3 GEOSYNTHETIC REINFORCEMENT SHALL BE PLACED AT THE FLEVATIONS, LOCATION, TYPE, ORIENTATION. AND TO THE LENGTHS SHOWN ON THE CONSTRUCTION DRAWINGS. THE REINFORCEMENT SHALL BE PLACED IN A MANNER SO AS TO AVOID SLACK OR WRINKLES, PINNING OR STAKES MAY BE REQUIRED TO MAINTAIN WRINKLE-EREE PLACEMENT DURING INSTALLATION.
- 3.4 AT EACH REINFORCEMENT ELEVATION, BACKFILL SOILS SHALL BE COMPACTED TO A LEVEL SURFACE BEFORE PLACING THE REINFORCEMENT. ALL REINFORCEMENT SHALL BE PLACED NORMAL TO THE FACE OF THE WALL.
- 3.5 ADJACENT WIRE FORMS SHALL BE CONNECTED ALONG VERTICAL AND HORIZONTAL SEAMS WITH GALVANIZED INTERLOCKING EASTENERS PLACED. B INCHES ON CENTER.
- BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH FDOT SPECIFICATIONS - SECTION 548.
- TRACKED CONSTRUCTION EQUIPMENT SHALL NOT BE OPERATED DIRECTLY ON THE REINFORCEMENT, A MINIMUM FILL THICKNESS OF 6 INCHES IS REQUIRED FOR THE OPERATION OF TRACKED VEHICLES OVER THE REINFORCEMENT, TURNING OF TRACKED VEHICLES SHOULD BE AVOIDED TO PREVENT TRACKS FROM DISPLACING THE FILL AND THE REINFORCEMENT.
- 3.8 RUBBER TIRED VEHICLES MAY PASS OVER THE REINFORCEMENT AT SLOW SPEEDS, LESS THAN ID MPH. SUDDEN BRAKING AND SHARP TURNING SHALL BE AVOIDED.
- 3.9 TC MIRAFI ENGINEERING SERVICES, INC. IS RESPONSIBLE FOR THE INTERNAL STABILITY OF THE STRUCTURE ONLY. EXTERNAL STABILITY IS THE RESPONSBILITY OF OTHERS

TC Mirafi Engineering Services Inc. 365 SOUTH HOLLAND DRIVE PENDERGRASS, GEORGIA 30567



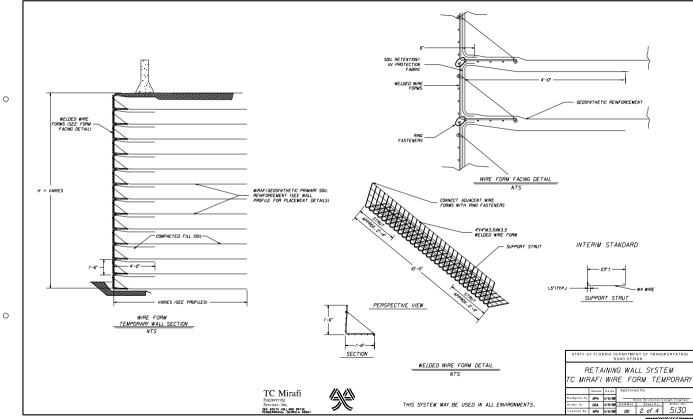
THIS SYSTEM SHALL NOT BE USED FOR ACUTE ANGLE BIN WALLS THIS SYSTEM MAY BE USED IN ALL ENVIRONMENTS.

RETAINING WALL SYSTEM TC MIRAFI WIRE FORM TEMPORARY Names Dates Approved By

esigned by APA 8/5/98

CGA R/S/Set Resiston

hecked By APA A/S/SS 00 10f 4



BBBBBBBCGNSPECFICAT/ONBBBBBBB BBBBBSST/NEBBBBBB

