1. Facing to consist of pre-fabricated WFF 4x4-W4.0xW4.0 forms with 4" overlap at ends.
2. All forms and struts will be fabricated with black wire.
3. Overall length of wire forms is 10'-0", effective constructed length is 9'-8" with 4" overlap at ends.

NOTES:
- 1'-0" (min.) Top basket only
- 4'-0" (min.) Top and bottom embedment
- 1'-6" (typ.) Foundation soil
- 3" min. Fill

TENSAR BIAXIAL GEOGRID
- Rolled out parallel to wall face
- Cut geo-grid so that transverse bar is in contact with geotextile

TENSAR UNIAXIAL GEOGRID
- 4'-0" (min.) Top and bottom
- Reinforced geotextile wrap 6" (min.)

WALL FACT DETAIL
- Top wire basket detail
- Not to scale

WELDED WIRE FORM DETAIL
- For basal geo-grid wrap facing
- Not to scale

TYPICAL CROSS-SECTION
- Total embedment length
- Top of wall
- Top wire basket only
- TOP OF WALL
- Wall face detail
- Tensar structural geogrid
- Geotextile wrap 6" wide
- Tensar uniaxial structural geogrid
- Unit of reinforced fill
- Retained soil
- Foundation soil
- Limit of reinforced fill
- Retained soil
- Fill
- 3" min.

TOP OF WALL
- Not to scale

WIRE BASKET DETAIL
- Not to scale

Note:
- Adjustment as required

OVERLAP ONE ROW OF WIRE OPENINGS AND BUTT VERTICAL BARS

THE SYSTEM MAY BE USED IN ALL ENVIRONMENTS

DATE: 01/01/05

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

STATE PROJ. NO. 05125

FINANCIAL PROJECT ID 04

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

RETAINING WALL SYSTEMS

TENSAR EARTH TECHNOLOGIES

TEMPORARY RETAINING WALL

APPLICABLE TO DESIGN STANDARDS INTERIM STANDARD IN ENGLISH UNITS

APPENDIX TO DESIGN STANDARDS

BOOKLET DATED JANUARY 2004.

STATE STRUCTURES DESIGN ENGINEER

C 2003, TENSAR EARTH TECHNOLOGIES, INC.
OPTIONAL TYPICAL CROSS-SECTION

1. FACING TO CONSIST OF PREFABRICATED WWM 1 13/16" x 1'-0 11/16" (W2.9 X W4.5) FORMS, PER ASTM A497.
2. ALL FORMS AND STRUTS WILL BE FABRICATED WITH BLACK WIRE.
3. OVERALL LENGTH OF WIRE FORMS IS 9'-3 5/8".

NOTES:
1. FACING TO CONSIST OF PREFABRICATED WMM 1 13/16" x 1'-0 11/16" (W2.9 X W4.5) FORMS, PER ASTM A497.
2. ALL FORMS AND STRUTS WILL BE FABRICATED WITH BLACK WIRE.

OPTIONAL WALL FACE DETAIL

1. FACING TO CONSIST OF PREFABRICATED WMM 1 13/16" x 1'-0 11/16" (W2.9 x W4.5) FORMS, PER ASTM A497.
2. ALL FORMS AND STRUTS WILL BE FABRICATED WITH BLACK WIRE.

OPTIONAL MECHANICAL CONNECTION SYSTEM (NO BIAXIAL GEOGRID WRAP)

1. FACING TO CONSIST OF PREFABRICATED WMM 1 13/16" x 1'-0 11/16" (W2.9 x W4.5) FORMS, PER ASTM A497.
2. ALL FORMS AND STRUTS WILL BE FABRICATED WITH BLACK WIRE.
3. OVERALL LENGTH OF WIRE FORMS IS 9'-3 5/8".

SERRASCAPE® FACING UNIT

THIS SYSTEM MAY BE USED IN ALL ENVIRONMENTS

NOT TO SCALE
FRONT FACE OF WALL

MINIMUM 3" OF SOIL BETWEEN OVERLAPPING LAYERS OF GEOGRID REINFORCEMENT.

FRONT FACE OF WALL

GEOGRID ACUTE CORNER DETAIL

NOTE:
ALTERNATE LAYERS OF UNIAXIAL PRIMARY REINFORCEMENT SHALL BE PLACED IN STAGGERED PATTERN SUCH THAT THE LAYER ABOVE IS CENTERED ON SPACE BELOW.

TYPICAL GEOGRID COVERAGE

FRONT FACE OF WALL

ALTERNATE LAYERS OF UNIAXIAL PRIMARY REINFORCEMENT SHALL BE PLACED IN STAGGERED PATTERN SUCH THAT THE LAYER ABOVE IS CENTERED ON SPACE BELOW.

NOTE:
ENSURE THAT GEOTEXTILE FILTER FABRIC OVERLAP 1'-0" MINIMUM OUTSIDE CORNER DETAIL

INSIDE CORNER DETAIL

BEND, BUTT OR CUT BASKETS TO FIT FIELD CONDITIONS

OUTSIDE CORNER DETAIL

BEND, BUTT OR CUT BASKETS TO FIT FIELD CONDITIONS AND ENSURE THAT GEOTEXTILE FILTER FABRIC OVERLAP 1'-0" MINIMUM

GEOGRID SPLICE BODKIN CONNECTION

NOTE:
IT IS RECOMMENDED THAT THE SPliced GEOGRID PIECE ON EITHER SIDE OF THE BODKIN CONNECTION BE AT LEAST 6 FEET LONG UNLESS THE GEOGRID TERMINATES IN A FIXED CONNECTION

GEOGRID 90° CORNER DETAIL

NOTE:
ALTERNATE LAYERS OF UNIAXIAL PRIMARY REINFORCEMENT SHALL BE PLACED IN STAGGERED PATTERN SUCH THAT THE LAYER ABOVE IS CENTERED ON SPACE BELOW.

TYPICAL GEOGRID COVERAGE

TIGHTEN GEOGRID TAUT TO TENSION CONNECTION.

TIE WIRE BASKETS WITH WIRE TIES OR HOG RINGS. (SEE NOTE 2.3)

NOTE:
ENSURE THAT GEOTEXTILE FILTER FABRIC OVERLAP 1'-0" MINIMUM OUTSIDE CORNER DETAIL

ENSURE THAT GEOTEXTILE FILTER FABRIC OVERLAP 1'-0" MINIMUM

GEOGRID SPLICE BODKIN CONNECTION

NOTE:
IT IS RECOMMENDED THAT THE SPLICED GEOGRID PIECE ON EITHER SIDE OF THE BODKIN CONNECTION BE AT LEAST 6 FEET LONG UNLESS THE GEOGRID TERMINATES IN A FIXED CONNECTION

GEOGRID 90° INSIDE CORNER DETAIL
TOP OF PAVEMENT (TOP OF WALL) AND BOTTOM EMBEDMENT GEOTEXTILE WRAP 2'-0" MIN. TOP

TOP OF WELDED-WIRE FORM

TENSAR BIAXIAL GEOGRID

TRAFFIC BARRIER (BY OTHERS)

TYPICAL DETAIL FOR TOP OF WALL WITH FLEXIBLE PAVEMENT NOT TO SCALE

THIS SYSTEM MAY BE USED IN ALL ENVIRONMENTS

MUST BE SEPARATED FROM THE PAVEMENT/OBSTRUCTION SECTION BY A MINIMUM OF 4".

AVOID CONFLICT WITH THE CONTRACT PAVEMENT/OBSTRUCTION SECTION. GEOGRID CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PLACEMENT OF THE GEOGRID TO SUPERELEVATED SECTION GEOGRID PLACEMENT AT PAVEMENT/OBSTRUCTION SECTION

NOTE:

THIS SYSTEM IS BEING FURNISHED FOR USE ON THIS SPECIFIC PROJECT ONLY. ANY PARTY ACCEPTING THIS DOCUMENT DOES SO IN CONFIDENCE AND AGREES INVALIDATE THIS DESIGN. THIS DRAWING IS BEING FURNISHED FOR USE ON THIS SPECIFIC PROJECT.

REFERENCES:

1. INTERIM STANDARD IN ENGLISH UNITS

STATE PROJ. NO.

FINANCIAL PROJECT ID

TENSAR EARTH TECHNOLOGIES

RETAINING WALL SYSTEMS

30260

THAT IT SHALL NOT BE DUPLICATED WHOLE OR IN PART, NOR DISCLOSED TO OTHERS, WITHOUT THE CONSENT OF TENSAR EARTH TECHNOLOGIES, INC.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DATE: 01-01-05

REVIEWED TIME TO DATE

William N. Nickas, P.E.

STATE STRUCTURES DESIGN ENGINEER

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Atlanta, Georgia  30328

THIS DESIGN IS BASED UPON SPECIFIC PROPERTIES OF TENSAR PRODUCTS (GEOGRIDS, DRAINAGE COMPOSITES AND EROSION MEDIA), WHICH ARE PROPRIETARY TO THE TENSAR CORPORATION.

C 2003, TENSAR EARTH TECHNOLOGIES, INC.

TEMPORARY RETAINING WALL

NOTE:

CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PLACEMENT OF THE GEOGRID TO AVOID CONFLICT WITH THE CONTRACT PAVEMENT/OBSTRUCTION SECTION. GEOGRID MUST BE SEPARATED FROM THE PAVEMENT/OBSTRUCTION SECTION BY A MINIMUM OF 4".

GEOGRID PLACEMENT AT PAVEMENT/OBSTRUCTION SECTION

NOT TO SCALE

THIS SYSTEM MAY BE USED IN ALL ENVIRONMENTS

DATE: 01-01-05

TENSAR EARTH TECHNOLOGIES

RETAINING WALL SYSTEMS

INTERIM STANDARD IN ENGLISH UNITS APPLICABLE TO DESIGN STANDARDS INTERIM PUBLISHED IN ENGLISH UNITS.