

HILFIKER MSE WELDED WIRE WALL SYSTEM



GENERAL NOTES

DECICAL CRITERIA

THE ATTACHED DETAILS ARE BASED ON THE ASSUMPTIONS THAT THE MATERIAL WITHIN THE REINFORCED VOLUME, METHODS OF CONSTRUCTION AND QUALITY OF PREFABRICATED COMPONENTS MEET THE GOVERNING AGENCIES SPECIFICATION FOR MECHANICALLY STARILIZED FARTH STRUCTURES

MINIMUM DESIGN PARAMETERS

REFERENCE MAIL CONTROL DRAMMES FOR SOIL CHARACTERISTICS OF FOUNDATION MATERIAL TO BE USED IN THE DESIGN OF THE MAIL SYSTEM THE CONTRACTOR SMALL PROVIDE SOIL DESIGN PARAMETERS FOR BACKFIL MATERIAL BASED ON ACTUAL SOIL CHARACTERISTICS UTILIZED AT THE SITE. THE VALUES OF THE METERIAL PRICTION ANGLE PHI, THE CONESION, C. AND THE UNIT WEIGHT, GAMMA, SHALL BE PROVIDED IN THE SHOP DRAWINGS.

EXTERNAL STABILITY OVER TURNING

2 2.0 3 15 REARING PRESSURE 2 2.5

OVERALL STABILITY 2 45 INTERNAL STABILITY

PULL OUT STEEL YELD STRESS = 0.47 F SERVICE LIFE

= 75 YEARS - 250 DCE LIVE LOAD SURCHARGE

- THE MAXIMUM APPLIED BEARING PRESSURE AT THE INTERFACE OF THE FOUNDATION AND SELECT BACKFILL MATERIAL IS SHOWN ON THE PLANS, THE BEARING PRESSURE SHOWN IS THE MAXIMUM FOR THE GIVEN BASE MAT LENGTH, IT IS THE RESPONSIBILITY OF OTHERS TO DETERMINE THAT THE BEARING PRESSURE IS ALLOWABLE FOR THAT LOCATION.
- 4. ANY UNSUITABLE FOUNDATION MATERIAL BELOW THE REINFORCED VOLUME AS DETERMINED BY THE ENGINEER SHALL BE EXCAVATED AND REPLACED WITH SUITABLE MATERIAL AS DIRECTED BY THE FAIRBUSER
- THE DESIGN CONTAINED ON THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OTHERS. ON THE BASS OF THIS INFORMATION, THE STRUCTURE ONLY EXTERNAL STABLITY, INCLUDING FOUNDATION AND SLOPE STORY FOR THE STRUCTURE ONLY EXTERNAL STABLITY, INCLUDING FOUNDATION AND SLOPE STABLITY IS THE RESPONSIBILITY OF OTHERS

WALL CONSTRUCTION

- WALLS FOUNDED ON CURVES SHALL HAVE THEIR PANELS DIMENSIONED AS A SERIES OF SHORT CORDS (AS DIMENSIONED) IN ORDER TO MATCH THE REQUIRED WALL RADIUS.
- FOR LOCATION AND ALIGNMENT OF THE MSE STRUCTURES REFERENCE THE RETAINING WALL CONTROL PLANS.
- IF MANHOLE AND DROP INLETS ARE REQUIRED, THEY SHALL BE LOCATED AS SHOWN ON THE RETAINING WALL ELEVATION DRAWINGS.
- IF PILES ARE LOCATED WITHIN THE REINFORCED VOLUME THEY SHALL BE DRIVEN PRIOR TO CONSTRUCTION OF THE WALL UNLESS AN ALTERNATE METHOD IS USED TO ISOLATE THE COLUMNS FROM THE REINFORCED VOLUME AS APPROVED BY THE ENGINEER.
- BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WE WITH SECTION 548 TO A LEVEL 2' (PLUS OR MANUS) ABOVE THE ELEVATION OF THE SOL REINFORCING ELEMENT,
 NO SOIL REINFORCEMENT SHALL BE ATTACHED TO ANY PANEL BEFORE THE BACKFILL IS PLACED AT THE REQUIRED ELEVATION AND IS COMPACTED.
- STRUCTURES GREATER THAN 20 FEET SHALL HAVE THE FINISHED GRADE PLACED AND COMPACTED AT THE FRONT FACE OF THE STRUCTURE BEFORE THE STRUCTURE HEIGHT EXCEEDS 70 FEET. THE FRUSH GRADE SHALL BE COMPACTED TO 95 PERCENT OF AASHTO T-HOD UMESS OTHERWISE DIRECTED BY THE ENGINEER.

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ANY GUARDRAIL POSTS PRIOR TO PLACING THE TOP ROW OF SOIL REINFORCEMENT. THE POST SPACING SHALL BE ADJUSTED TO AVOID CONFLICTS WITH THE LONGITUDINAL SOIL REINFORCING WIFE, CUTTING OF THE LONGITIDINAL WIRE SHALL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.
- IF EXISTING OR FUTURE STRUCTURES ARE TO BE PLACED IN THE REINFORCED VOLUME THAT INTERFERE WITH THE PROPER PLACEMENT OF THE SOM, REINFORCEMENT THE CONTRACTOR SHALL NOTIFY THE ENGINEER MANEDIATELY FOR A COURSE OF ACTION.
- THE CAP MAT SHALL BE PLACED AS CLOSE TO THE TOP OF WALL LOCATION AS POSSIBLE THE CAP MAI SHALL BE PLACED AS CLUSE TO THE TOP OF WALL D.
- FOR OTHER INFORMATION PERTAINING TO THE CONSTRUCTION OF THE HILFIKER RETAINING WALL PLEASE REFER TO T&B STRUCTURAL SYSTEMS ERECTION MANUAL.
- IT IS THE RESPONSIBILITY OF THE THE CONTRACTOR TO DEFLECT THE TOP CAP MAT OF THE SOIL
 REMEDICACIONAL DOMINIARY SO AS TO NOT CONFLICT WITH ROADWAY MIXING OPERATIONS AND/OR ROADWAY CONSTRUCTION OPERATIONS, ANY SOIL REINFORCING MATERIAL THAT IS DAMAGED SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

CONSTRUCTION NOTES

NOMINAL SOIL REINFORCING GRID LENGTH

THE WELDED WIRE MESH IS MANUFACTURED IN LENGTHS CORRESPONDING TO THE DIMENSION "B" AS GIVEN IN THE RETAINING WALL ELEVATIONS, THE ACTUAL LENGTH FROM THE FRONT FACE OF THE PANEL TO THE TAIL OF THE SOIL REINFORCING GRID IS PLUS 2"-4". THE FOUNDATION SHALL BE EXCAVATED TO AN EXTENT OF "B" PLUS 6".

- THE FOLLOWING MATERIALS ARE SUPPLIED BY TAB STRUCTURAL SYSTEMS
 - . WELDED WIRE FACING PANEL · SOIL REINFORCING GRIDS

 - CONNECTION PINS SYNTHETIC INDUSTRIES GEOTEY ADIMONWOVEN GEOTEYTHE FILTER FARRIC

ANY OTHER MATERIAL REQUIRED TO BUILD THE MSE STRUCTURES ACCORDING TO THE GOVERNING SPECIFICATION SHALL BE SUPPLIED BY THE CONTRACTOR.

TAR STRUCTURAL SYSTEM SUPPLIES MECHANICALLY STABILIZED FARTH STRUCTURAL COMPONENTS FOR USE WITH THE HILFIKER RETAINING WALL SYSTEMS FOR THE COMPONENTS FOR USE WITH THE METALER RELATION MANUAL STSTEMS FOR THE STRUCTURAL STRUCTURES DETAILED HEREIN, THE ERECTION MANUAL PROVIDED BY TABLE STRUCTURAL SYSTEMS IS A GENERAL GUIDELINE FOR ERECTING THE HILTHER RETAINING WALL SYSTEM. ALL OUALITY CONTROL PROCEDURE'S TEGING PROCEDURES, MATERIAL HANGLING, AND ES-SAFETY IS THE RESPONSED IT! OF THE CONTROLOR, HIS DOES NOT RELEVE THE CONTRACTOR OF THE OBLIGATION TO CONSTRUCT THE RETAINING WALL ACCORDING TO THE PROJECT PLANS AND SPECIFICATIONS AND ALL LAWS OF THE GOVERNOR STATE.

FNG/ ISH

THIS SYSTEM MAY BE USED IN ALL ENVIRONMENTS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION RETAINING WALL SYSTEM HILFIKER WELDED WIRE WALL

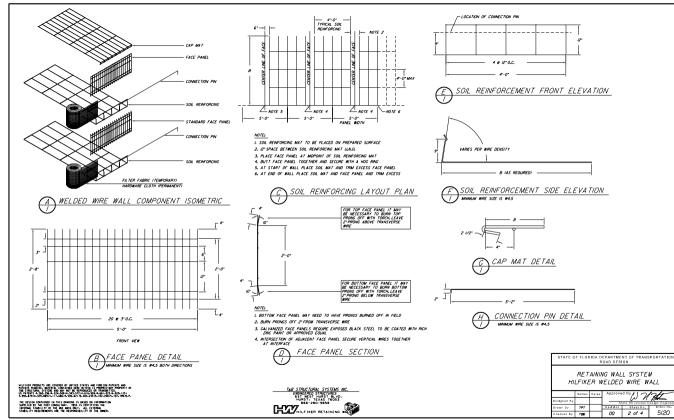
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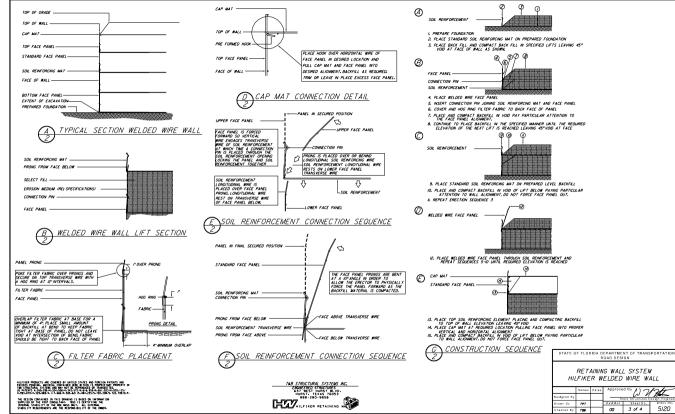
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T&B STRUCTURAL SYSTEMS INC. 637 WEST HURST BLVD. HURST. TEXAS 76053 888-280-9858 HIZZHILFIKER RETAINING

THE DESIGN CONTAINED IN THIS DRAWING IS BASED ON INFORMATION SUPPLIED BY THE FROT CONSULTANT. THIS IS CERTIFFING THE INTERNAL STABLLITY OF THE UNE MASS ONLY. ALL EXTERNAL STABLLITY OF THE OWNER, MAY THE RESPONSIBLLITY OF THE OWNER.





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