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GENERAL NOTES

DESIGN CRITERIA

1. DESIGN IS BASED ON THE ASSUMPTION THAT THE MATERIAL WITHIN THE REMFORCED EARTH VOLUME, WETHOOS OF CONSTRUCTION AND QUALITY OF PREFABRICATED MATERIALS SHALL CONFORM TO THE CONTRACTING AGENCY'S TECHNICAL SPECIFICATIONS FOR RETAINED EARTH WALLS.

2. FACTORS OF SAFETY

OVERTURNING 2.0
INTERNAL PULLOUT 1.5 (ALLOW DEFORMATION 3/4)
OVERALL STABILITY 1.5
SUDING 1.5
BEARING 2.5

SOIL REINFORCEMENT MESH 0.47 FV AT END OF DESIGN LIFE

3. SOIL CHARACTERISTICS ASSUMED FOR DESIGNA

SOU PARAMETERS.

SEE WALL CONTROL DRAWINGS FOR SOIL CHARACTERISTICS OF FOUNDATION WATERIAL TO BE USED IN THE DESIGN OF THE WALL STEEL. THE CONTRACTOR SHALL PROVIDE SOIL DESIGN PRAMETERS FOR BRACKFILL WATERIAL BASED ON THE ACTUAL SOIL CHARACTERISTICS UTUZED AT THE SITE, THE VALUES OF \$6.00 MO \$ HALL BE PROVIDED IN THE SHOP PRAMISOS.

- 4. THE MAXIMUM APPLIED BEARING PRESSURE AT THE FOUNDATION LEVEL IS AS SHOWN ON THE WALL ELEVATIONS FOR EACH DESIGN CASE. IT IS THE RESPONSIBILITY OF OTHERS TO DETERMINE THAT THIS APPLIED BEARING PRESSURE IS ALLOWABLE FOR THAT LOCATION.
- 5. AM UNSUITABLE FOUNDATION MATERIAL BELOW THE REINFORCED EARTH VOLUME, AS DETERMINED BY THE EMBINEER, SHALL BE EXCANATED AND REPLACED WITH SUITABLE MATERIAL OR OTHERWISE STABUZED AS DIRECTED BY THE EMBINEER.

WIRE FACING PANELS & REINFORCING ELEMENTS

6. REINFORMS WESH ELEMENTS SHALL BE SHOP FABRICATED FROM COLD DRAWN STEEL DOO COMFORMING TO THE WINNING REQUIRELENTS OF ASTN A-82 AND SHALL BE WELDED AT THE JUNCTIONS BETWEEN LIGHETURAL AND TRANSFERSE WINES IN MCORPOMEN WITH STAT A-85. GALVANIZATION SHALL BE APPLIED AFTER WESH FABRICATION AND SHALL COMPONE TO THE WINNING REQUIRELENTS OF ASTN A-825.

LOOP EMBEDS SHALL BE FABRICATED FROM COLD DRAWN STEEL ROD COMFORMING TO ASTM A-50 OR ASTM A-82. LOOP EMBEDS SHALL BE WELDED IN ACCORDANCE WITH ASTM A-85. LOOP EMBEDS SHALL BE GALVAMPED IN ACCORDANCE WITH ASTM A-853.



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DE SIGN:

7. THE DESIGN CONTAINED ON THESE DRAWINGS IS BASED ON INFORMATION PRODUCED BY OTHERS, ON THE BASE OF THIS INFORMATION, THE WATER COMPANY IS RESPONSIBLE FOR INTERNAL STABILITY OF THE STRUCTURE OUT, EXTERNAL STABILITY DESIGN INCLUDING FOUNDATION AND SLOPE STABILITY IS THE RESPONSIBILITY OF OTHERS.

WALL CONSTRUCTION

- 8. RETAINED EARTH WALLS IN CURVES WILL FORM A SERIES OF SHORT CHORDS OF NOO! FACH TO MATCH DESIRED WALL AUGMENT.
- 9. FOR LOCATION AND ALIGNMENT OF RETAINED EARTH WALLS, SEE RETAINING WALL CONTROL PLANS.
- IO. IF MANHOLES AND DROP INLETS ARE PRESENT. THEY SHALL BE LOCATED AS SHOWN ON WALL FLEVATIONS.
- II. IF PILES ARE LOCATED WITHIN REINFORCED SOIL VOLUME, THEY SHALL BE DRIVEN PROR TO CONSTRUCTION OF THE REINFORCED EARTH WALL UNICES A METIOD TO PROTECT THE STRUCTURE WHICH IS ACCEPTABLE TO THE ENGINEER AND FOSTER GEOTECHNICAL CHAPMY AND IS PROPOSED AND APPROVED IN WRITING.
- 12. BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 588 TO A LEVEL OF 2"(+)-) ABOVE THE TIE MESH EMBELODE IN THE PAMELS, INSTALLATION OF REMOFORMS MESH SHALL BE PERMITTED ONLY AFTER PLACEMENT AND COMPACTION OF THE BACKFILL MATERIAL HAS RECKIED THE PERMITTED LEVEL.
- 13. WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SECTION 548.
- N.T. S. THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF AN GUARDAL POSTS BEHIND RETAINED LAWST PARELS, PROPE TO PLACEMENT OF THE TOP LARGE OF RESPONSION MES'S, ROWINDLE, RESPONSIBLE OF THAT THE TOP LARGE OF THE POST LOCATIONS FOR MITHORIZED OF THE LOWER OF BOTH CONTRACTOR OF STATE OF THE STATE OF THE LOCATION OF STATE OF THE STATE OF THE LOCATION OF THE STATE OF THE LOCATION OF THE GUARDAL SHALL BE REPARED OF THE CONTRACTOR AT THE CONTRACTOR'S EMPERS.
- IS, IF EXISTING OR FUTURE STRUCTURES, PIPES, FOUNDATIONS OR GUARDRAIL POSTS WHICH ARE WITHIN REINFORCED SOL VOLUME INTERFERE WITH THE MONAL PLACEURY OF REINFORCING WISH HAD SPECIFIC DIRECTION HAS NOT BEEN PROVIDED ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE FROMERS TO DETERMINE WHAT COURSE OF ACTION SHOULD BE TAKEN.
- IG. FOR OTHER INFORMATION PERTAINING TO WALL CONSTRUCTION PLEASE REFER TO FOSTER GEOTECHNICAL CONSTRUCTION MANUAL.
- II. THE CONTRACTOR IS RESPONSIBLE FOR GRADUALLY DEFLECTING UPPER REINFORCING WESH DOWNWARD TO AVOID CONFLICTS WITH PAYING AND SUBGRADE PREPARATION. THE CONTRACTOR'S ATTENTION IS DIRECTED ESPECIALLY TO SITUATIONS WHERE ROADWAY SUPER ELEVATION AMOVOR SOIL MIXING ARE MITCHIPATED.

WATERIALS NOTES

18. NOMINAL MESH LENGTHS

THE REMINDROME MESH LENGTH SHOWN ON THE PLANS, MEASURED BY CALCULATION, THE ACTUAL FABRICATE MESH HEAVING MEDITS REQUIRED BY CALCULATION, THE ACTUAL FABRICATED MESH LENGTHS ARE OFFER HOUSER HIP TO 60 DUE TO MANAFACTURING TOLERANCES. THE REQUIRED MOREOWITH, LINT OF COMMULIAR BECKFILL IS EQUAL TO THE MORMAL MESH LENGTH IS NOT REQUIRED OF CAUCULATION. THE

19. SELECT BACKFILL QUANTITY

THE SELECT BACKFUL GUARTITY MOCATED BY FOSTER BOTTENHOLD SCALQUIATED BY MUTLPHYRIK THE NUMBAL MEST LEIGHTS SHOWN ON THE PLANS BY THEIR TRIBUTANY MALL SURFACE AREA AND CONVERTING THE RESULT TO A REPORT OUSE WETER QUARTITY. THIS BY MORNATOW IS FURNISHED FOR THE CONTRACTOR'S INFORMATION ONLY MID IS NOT INTEREDED TO PRESENT THE ACTUAL GUARTITIES. RECOVERED TO COMPLETE THE WORK, THE CONTRACTOR MIST CALQUIATE SPECIFIC CONTRACTOR OF THE PROPERTY HITTERS BACK OFFOR THE SPECIFIC CONTRACTOR OF THE PROPERTY HITTERS BACK OFFOR THE SPECIFIC CONTRACTOR OF THE PROPERTY HITTERS BACK OFFOR THE

20. NOTE TO CONTRACTORS

ONLY THE FOLLOWING MATERIALS ARE SUPPLIED BY FOSTER GEOTECHNICAL

- PREFABRICATED FACING PANELS
- REINFORCING MESH
- NON-WOVEN FILTER CLOTH (FOR BEHIND FACING PANELS ONLY) INVESTECH-TERRATEX NO4 OR EQUAL)

ANY OTHER MATERIALS CALLED FOR IN THE CONTRACT PLANS OR SPECIFICATIONS ARE TO BE SUPPLIED BY THE CONTRACTOR. ANY NORTH MATERIALS SOMEN AT THE WITEFARCE OF PRICAST PARELS AND CAST-IN-PLACE CONCRETE STRUCTURES ARE TO BE SUPPLIED BY THE ERECTION CONTRACTOR. ALL SANGENATIONS, PART TAGS SPECIFIC / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE CONTRACTOR IN THE FIELD SUPPLIED / MISTALLED BY THE SUPPLIED SUPPLIED SUPPLIED / MISTALLED BY THE SUPPLIED SUPPLIED SUPPLIED / MISTALLED BY THE SUPPLIED SUPPLIED

THIS SYSTEM MAY BE USED IN MODERATELY OR SUIGHTLY ACRESSIVE ENVIRONMENTS ONLY

WIRE FACED PANELS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN					
RETAINING WALL SYSTEM FOSTER GEOTECHNICAL WIRE FACE WALL					
	Names	Dates	Approved By 1) 2/24		
Designed By	TCNA	11/96	State Structures Design Engineer		
Drawn By	CAD	11/96	Resiston	Sheet No.	Index No.
Checked By	GEO	11/98	00	lof 3	5/05



