

CONSTRUCTION PLANS for HILLSBOROUGH COUNTY SHERIFF'S OFFICE TRAINING FACILITY GUN RANGE SAFETY IMPROVEMENTS

MAY 2015

Prepared By

**JBM & R
ENGINEERING, INC.**

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C.A.N. # 7457

Ralph Remmert, P.E.
Florida Registration No. 39610

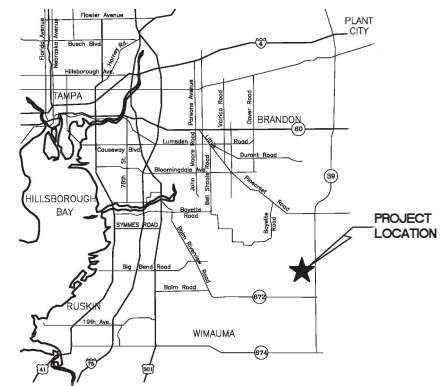


FLORIDA STATE MAP
NOT TO SCALE

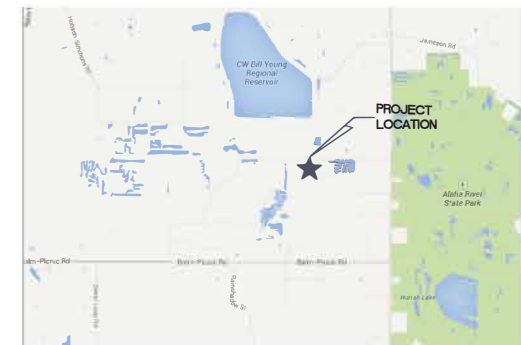
DRAWING INDEX

DWG. NO.	TITLE
C-1	COVER SHEET
C-2	OVERALL SITE PLAN
C-3	BERM GRADING & DRAINAGE PLAN
C-4	BORROW PILE PLAN & CROSS-SECTIONS
C-5	BULLET EYE BROW DETAILS

REVISION 2: REVISED BERM STABILIZATION



SITE VICINITY MAP
NOT TO SCALE

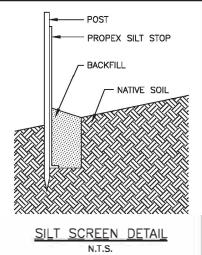


SITE LOCATION MAP
NOT TO SCALE

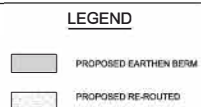
[illegible]

NOTE: TREE LOCATIONS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO REMOVAL. NO TREES OUTSIDE OF CONSTRUCTION AREA SHALL BE REMOVED.

SITE DATA
 FOLIO #s: 088548.5000
 SEC/TWP/RGE: 13/31/21
 TOTAL LAND AREA: 320 ACRES
 PROJECT AREA: 1.5 ACRES
 FLOOD ZONES: "X" Panel No. 12057C0545H
 EXISTING ZONING: AR
 EXISTING USE: TRAINING FACILITY
 PROPOSED USE: TRAINING FACILITY
 PARKING REQUIRED: NO ADDITIONAL



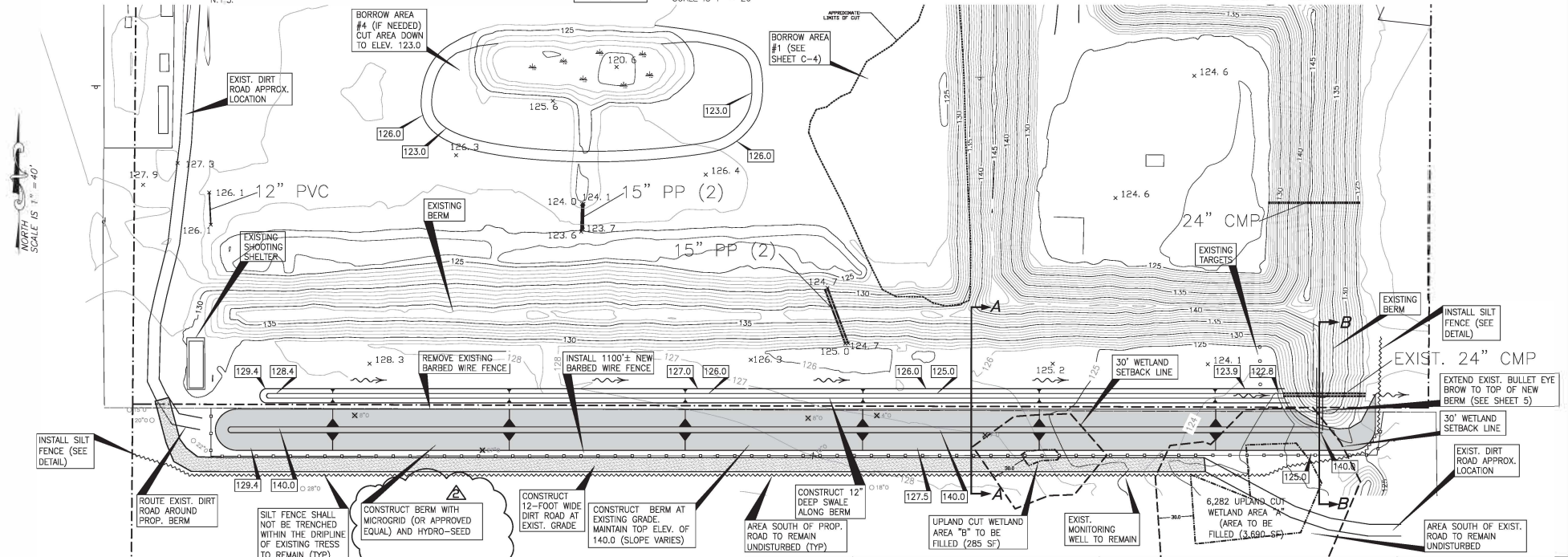
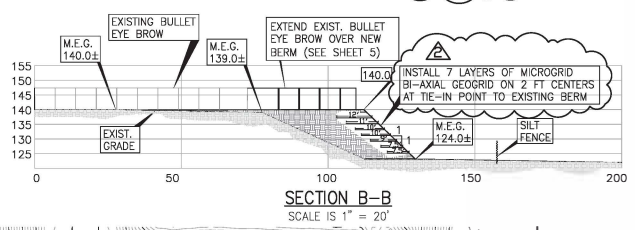
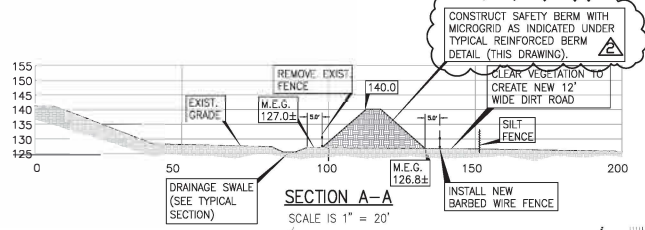
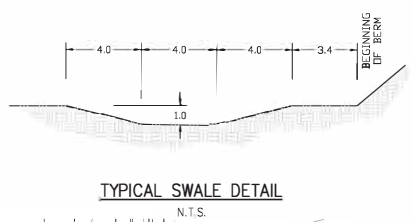
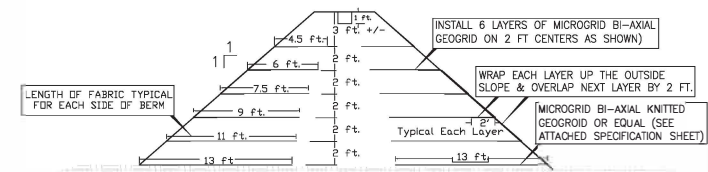
EROSION CONTROL SEQUENCE NOTES:
 1. PRIOR TO GENERAL SITE FILL OPERATION, INSTALL SILT FENCE AS INDICATED ON PLAN.
 2. CONTRACTOR SHALL INSPECT AFTER EVERY RAINFALL EVENT GREATER THAN 0.25", OR AT LEAST WEEKLY AND, AS NECESSARY, REPAIR ANY DAMAGE TO EROSION AND SEDIMENTATION CONTROL DEVICES.
 3. UPON COMPLETION OF CONSTRUCTION AND FINAL ACCEPTANCE, CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENTATION CONTROL DEVICES.



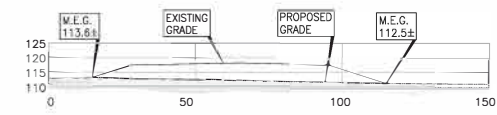
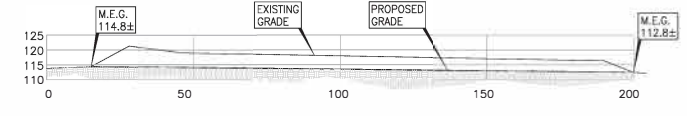
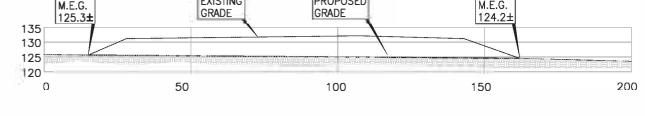
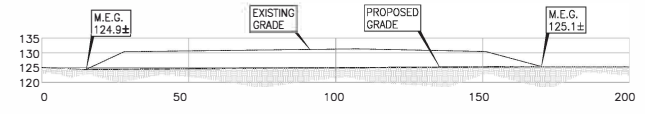
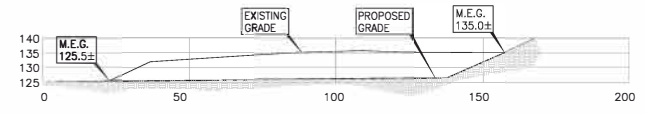
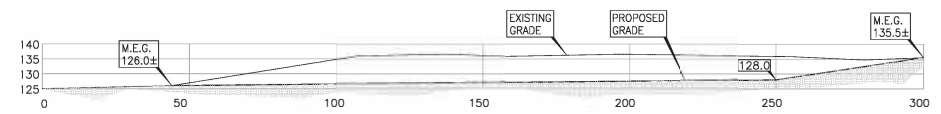
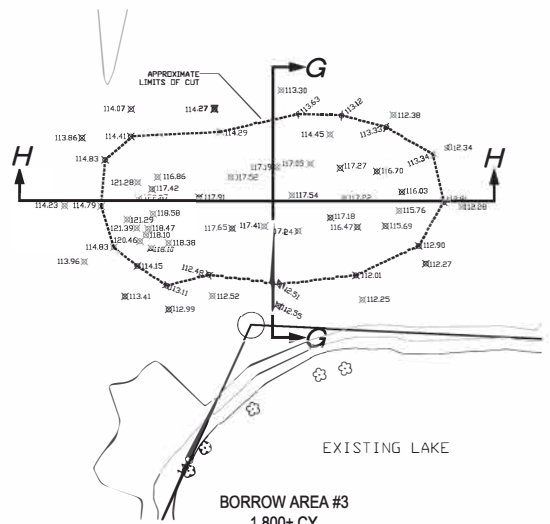
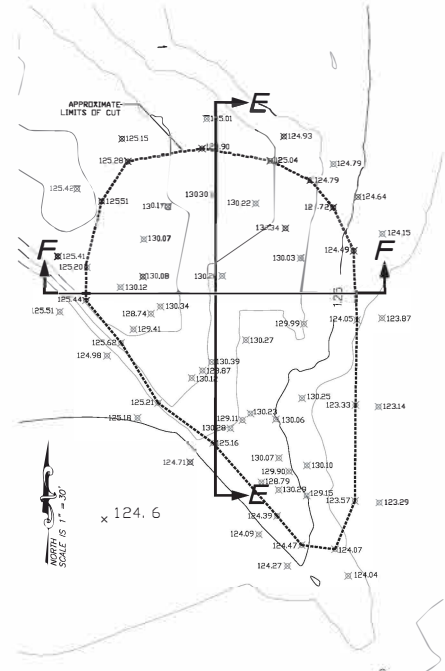
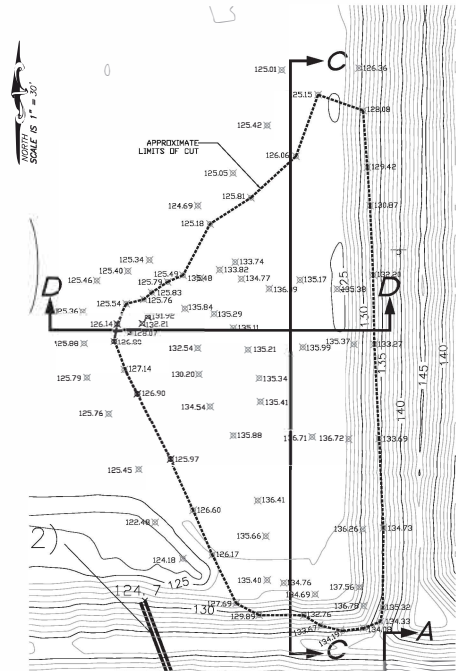
BENCHMARK INFORMATION:
 ELEVATIONS SHOWN HEREON ARE BASED ON HILLSBOROUGH COUNTY BENCHMARKS VC-226 WITH A REPORTED ELEVATION OF 106.59 FEET (NAVD 1988), AND VC-227 WITH A REPORTED ELEVATION OF 97.81 FEET (NAVD 1988) AND VR-9 WITH A REPORTED ELEVATION OF 102.12 FEET (NAVD 1988) AND PC-A WITH A REPORTED ELEVATION OF 106.17 FEET (NAVD 1988).

VERTICAL DATUM CONVERSION NOTE:
 THE VERTICAL DATUM UTILIZED FOR THIS PROJECT IS NAVD 1988, US SURVEY FEET. NAVD 1988 + 0.96 FEET = 1929. CONVERSION DONE WITH VERTCON PROGRAM. CONTRACTOR TO VERIFY.

FLOOD ZONE INFORMATION:
 SUBJECT PROPERTY IS LOCATED IN FLOOD ZONE "X" ACCORDING TO FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 12057C0545H BEARING AN EFFECTIVE DATE OF AUGUST 28, 2008.



HILLSBOROUGH COUNTY SHERIFF'S OFFICE GUN RANGE SAFETY IMPROVEMENTS BERM GRADING & DRAINAGE PLAN									
REV.	DATE	DESCRIPTION	BY	CHK	APP	P.L.D. BOX 10886	Varick, FL 33596	Tel: 813.588.4643 (C) 813.741.2109 (C) 813.655.0081 (Fax)	
2	05/20/15	Eliminated C105 Bi-axial on Slope	RR						
2	05/20/15	Added Detail - Installed Microgrid in Berm	RR						
1	05/12/15	Revised Berms Location	JR						
REFERENCES: DRAWINGS NO. DATE 1 05/12/15 2 05/20/15 3 05/20/15 4 05/20/15 5 05/20/15 6 05/20/15 7 05/20/15 8 05/20/15 9 05/20/15 10 05/20/15 11 05/20/15 12 05/20/15 13 05/20/15 14 05/20/15 15 05/20/15 16 05/20/15 17 05/20/15 18 05/20/15 19 05/20/15 20 05/20/15 21 05/20/15 22 05/20/15 23 05/20/15 24 05/20/15 25 05/20/15 26 05/20/15 27 05/20/15 28 05/20/15 29 05/20/15 30 05/20/15 31 05/20/15 32 05/20/15 33 05/20/15 34 05/20/15 35 05/20/15 36 05/20/15 37 05/20/15 38 05/20/15 39 05/20/15 40 05/20/15 41 05/20/15 42 05/20/15 43 05/20/15 44 05/20/15 45 05/20/15 46 05/20/15 47 05/20/15 48 05/20/15 49 05/20/15 50 05/20/15 51 05/20/15 52 05/20/15 53 05/20/15 54 05/20/15 55 05/20/15 56 05/20/15 57 05/20/15 58 05/20/15 59 05/20/15 60 05/20/15 61 05/20/15 62 05/20/15 63 05/20/15 64 05/20/15 65 05/20/15 66 05/20/15 67 05/20/15 68 05/20/15 69 05/20/15 70 05/20/15 71 05/20/15 72 05/20/15 73 05/20/15 74 05/20/15 75 05/20/15 76 05/20/15 77 05/20/15 78 05/20/15 79 05/20/15 80 05/20/15 81 05/20/15 82 05/20/15 83 05/20/15 84 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REFERENCE: DRAWINGS NO. 1 DATE 05/12/15 REVISION: Revised Storm Location BY: JN CK APP: BR DESIGNED BY: Ben Lord-Gilg CHECKED BY: JN DATE: 05/12/15 SCALE: 1" = 20' PROJECT: HILLSBOROUGH COUNTY SHERIFF'S OFFICE GUN RANGE SAFETY IMPROVEMENTS BORROW PILE PLAN & CROSS-SECTIONS				HILLSBOROUGH COUNTY SHERIFF'S OFFICE GUN RANGE SAFETY IMPROVEMENTS BORROW PILE PLAN & CROSS-SECTIONS P.O. BOX 10866 VALPOLE, FL 33595 Tel: 813.688.4643 (C) 813.741.2109 (C) 813.655.0081 (Fax)				JBW & R ENGINEERING, INC. Ralph E. Remmert, P.E. P.E. #39610 C.A.N. #7457			
2				C-4				2			



SEE I-BEAM
DETAIL

SEE BASE PLATE
PLAN DETAIL

MATCH EXISTING
WOOD MEMBERS

24" SQUARE X 21" DEPTH
CONCRETE FOUNDATIONS
SPACED ON 97" CENTERS

1'-8"

4'-4"

1'-9"

Technical drawing of a landscape timber joint. The drawing shows a cross-section of two timbers joined. The top timber has a width labeled $4" fw$. The joint is labeled with $wt = \frac{3}{4}"$ and $ft = \frac{3}{8}"$. A dimension line indicates a $3\frac{1}{2}"$ MIN. CLEARANCE FOR $3\frac{1}{2}" \times 3\frac{1}{2}" \times 8'$ LANDSCAPE TIMBERS.

Technical drawing of a square plate with the following dimensions and labels:

- Top edge: 8"
- Right edge: 8"
- Bottom edge: 5 15/16"
- Left edge: 1 1/2" THICK PLATE
- Top-left corner: 1 1/8" ϕ HOLES
- Top-right corner: 1" ϕ A.B. x 9"D

****FOR BIDDING PURPOSES ONLY**

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