
From: Marc Ciolino

Sent: Tuesday, July 07, 2015 1:41 PM

To: Julia Eraso; dmarchese@lakecounty.gov; JPoyner@Pospichcontracting.com; Robert Rudd; jhinton@lakecountyfl.gov

Subject: Paving Results and Report

Good Afternoon all,

Here are copies of all tests performed in the field on mainline and Multi use path.

Please don't hesitate to give me a call if you have any questions.

Sincerely,

Marc Ciolino-Tierra

Marc Ciolino

Senior Engineering Technician

TIERRA, INC.

1133 Crown Park Circle | Winter Garden, Florida 34787 T 407-877-1354 | C 407-308-6117 www.tierraeng.com | mciolino@tierraeng.com geotechnical environmental materials engineering

CROSS SLOPE MEASUREMENT DATA FORM

Table 330-2 Cross Slope Acceptance Tolerance

| Roadway Feature | Individual Absolute Deviation (%) | Average Absolute Deviation (%) |
|--|-----------------------------------|--------------------------------|
| Tangent section (including turn lanes) | 0.4 | 0.2 |
| Superelev. curve | 0.4 | 0.2 |
| Shoulder | 0.5 | 0.5 |

QC X
VT

| FIN Project No.: | | S.R. No.: | | N. Hancock rd. | | No. of Lanes: | | 2 | |
|----------------------------|----------|-----------|---------------------|----------------|-------------------------------|----------------------------|----------------------|----------|-------------------------------|
| Type of Construction: | | From: | | 213+00 | | Type of Mixture: | | 12.5C | |
| County/Section No.: | | To: | | 225+00 | | English/Metric: | | ENGLISH | |
| STATION | LIFT NO. | LANE NO. | ROADWAY X-SLOPE (%) | | INDIVIDUAL ABSOLUTE DEVIATION | INSIDE/OUTSIDE | SHOULDER X-SLOPE (%) | | INDIVIDUAL ABSOLUTE DEVIATION |
| | | | Design | Measured | | | Design | Measured | |
| 213+00 | 1/1 | R1 | 2.0 | 2.2 | 0.2 | | | | 0.3 |
| 214+00 | 1/1 | R1 | 2.0 | 2.1 | 0.1 | | | | 0.2 |
| 215+00 | 1/1 | R1 | 2.0 | 2.2 | 0.2 | | | | 0.1 |
| 216+00 | 1/1 | R1 | 2.0 | 1.9 | 0.1 | | | | 0.2 |
| 217+00 | 1/1 | R1 | 2.0 | 2.3 | 0.3 | | | | 0.2 |
| 218+00 | 1/1 | R1 | 2.0 | 2.2 | 0.2 | | | | 0.1 |
| 219+00 | 1/1 | R1 | 2.0 | 2.1 | 0.1 | | | | 0.2 |
| 220+00 | 1/1 | R1 | 2.0 | 2.1 | 0.1 | | | | 0.3 |
| 221+00 | 1/1 | R1 | 2.0 | 1.8 | 0.2 | | | | 0.2 |
| 222+00 | 1/1 | R1 | 2.0 | 2.0 | 0.0 | | | | 0.1 |
| AVERAGE ABSOLUTE DEVIATION | | | | | 0.15 | AVERAGE ABSOLUTE DEVIATION | | 0.19 | |
| 223+00 | 1/1 | R1 | 2.0 | 1.9 | 0.1 | | | | 0.2 |
| 224+00 | 1/1 | R1 | 2.0 | 2.2 | 0.2 | | | | 0.0 |
| 225+00 | 1/1 | R1 | 2.0 | 2.3 | 0.3 | | | | 0.0 |
| AVERAGE ABSOLUTE DEVIATION | | | | | 0.20 | AVERAGE ABSOLUTE DEVIATION | | 0.07 | |

CROSS SLOPE MEASUREMENT DATA FORM

Table 330-2 Cross Slope Acceptance Tolerance

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|--|-----------------------------------|--------------------------------|
| Tangent section (including turn lanes) | 0.4 | 0.2 |
| Superelev. curve | 0.4 | 0.2 |
| Shoulder | 0.5 | 0.5 |

QC X
VT

| EN Project No.: | | S.R. No.: | | N. Hancock Rd. | | No. of Lanes: | | 2 | |
|----------------------------|----------|-----------|-------------|----------------|-------------------------------|----------------------------|-------------|---------|-------------------------------|
| Type of Construction: | | From: | | 213+00 | | Type of Mixture: | | 12.5C | |
| County/Section No.: | | STRUCTURE | | LAKE CO. | | English/Metric: | | ENGLISH | |
| STATION | LIFT NO. | LANE NO. | ROADWAY | | INDIVIDUAL ABSOLUTE DEVIATION | INSIDE/OUTSIDE | SHOULDER | | INDIVIDUAL ABSOLUTE DEVIATION |
| | | | X-SLOPE (%) | Design | | | X-SLOPE (%) | Design | |
| 213+00 | 1/1 | L1 | 2.0 | 1.8 | 0.2 | | | | 0.2 |
| 214+00 | 1/1 | L1 | 2.0 | 1.9 | 0.1 | | | | 0.1 |
| 215+00 | 1/1 | L1 | 2.0 | 1.8 | 0.2 | | | | 0.1 |
| 216+00 | 1/1 | L1 | 2.0 | 1.8 | 0.2 | | | | 0.0 |
| 217+00 | 1/1 | L1 | 2.0 | 2.0 | 0.0 | | | | 0.2 |
| 218+00 | 1/1 | L1 | 2.0 | 2.1 | 0.1 | | | | 0.2 |
| 219+00 | 1/1 | L1 | 2.0 | 2.0 | 0.0 | | | | 0.1 |
| 220+00 | 1/1 | L1 | 2.0 | 2.0 | 0.0 | | | | 0.2 |
| 221+00 | 1/1 | L1 | 2.0 | 2.2 | 0.2 | | | | 0.2 |
| 222+00 | 1/1 | L1 | 2.0 | 2.1 | 0.1 | | | | 0.0 |
| AVERAGE ABSOLUTE DEVIATION | | | | | 0.11 | AVERAGE ABSOLUTE DEVIATION | | 0.13 | |
| 223+00 | 1/1 | L1 | 2.0 | 1.8 | 0.2 | | | | 0.1 |
| 224+00 | 1/1 | L1 | 2.0 | 2.0 | 0.0 | | | | 0.2 |
| 225+00 | 1/1 | L1 | 2.0 | 2.0 | 0.0 | | | | 0.2 |
| AVERAGE ABSOLUTE DEVIATION | | | | | 0.07 | AVERAGE ABSOLUTE DEVIATION | | 0.17 | |

CROSS SLOPE MEASUREMENT DATA FORM

Table 330-2 Cross Slope Acceptance Tolerance

| Roadway Feature | Individual Absolute Deviation (%) | Average Absolute Deviation (%) |
|--|-----------------------------------|--------------------------------|
| Tangent section (including turn lanes) | 0.4 | 0.2 |
| Superelev. curve | 0.4 | 0.2 |
| Shoulder | 0.5 | 0.5 |

QC X _____
VT _____

| FIN Project No.: | | S.R. No.: | | BIKE PATH | | No. of Lanes: | | | |
|----------------------------|----------|----------------------------|-------------------------------|----------------------------|-------------|-------------------------------|----------------------|----------------------------|--|
| Type of Construction: | | From: | | 208+00 | | 9.5C | | | |
| County/Section No.: | | To: | | 225+00 | | ENGLISH | | | |
| STATION | LIFT NO. | ROADWAY | | SHOULDER | | INDIVIDUAL ABSOLUTE DEVIATION | SHOULDER X-SLOPE (%) | | |
| | | LANE NO. | INDIVIDUAL ABSOLUTE DEVIATION | INSIDE/OUTSIDE | X-SLOPE (%) | | | | |
| | | Design | Measured | Design | Measured | | Design | Measured | |
| 208+00 | 1/1 | | 0.8 | | | | | | |
| 207+00 | 1/1 | | 0.9 | | | | | | |
| 206+00 | 1/1 | | 1.0 | | | | | | |
| 205+00 | 1/1 | | 1.0 | | | | | | |
| 204+00 | 1/1 | | 0.9 | | | | | | |
| 203+00 | 1/1 | | 0.8 | | | | | | |
| 225+00 | 1/1 | | 0.8 | | | | | | |
| 224+00 | 1/1 | | 0.9 | | | | | | |
| 223+00 | 1/1 | | 0.7 | | | | | | |
| AVERAGE ABSOLUTE DEVIATION | | 0.00 | | AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | |
| AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | | AVERAGE ABSOLUTE DEVIATION | |

Marchese, Deborah

From: Robert Rudd <r.rudd@aol.com>
Sent: Wednesday, July 01, 2015 3:25 PM
To: Scott Smith; JNorman@Pospiechcontracting.com
Cc: Scott, Jimmy; Hinton, Joseph; mciolino@tierraeng.com; Koontz, Lori; Marchese, Deborah; jbegovich@tierraeng.com; jeraso@tierraeng.com
Subject: FPN 435515-1-58-01, N Hancock Rd, Post MOT Phase 1B Shift VMS Massage
Attachments: 07-01-2015_Ex10a.pdf

NAME OF PROJECT: North Hancock Road Extension Phase IIIA and IIIB
FINANCIAL PROJECT ID: 435515-1-58-01
LAKE COUNTY PROJECT NUMBER: 2014-11
NAME OF CONTRACTOR: Pospiech Contracting, Inc.
SUBJECT: Post MOT Phase 1B Shift VMS Massage
DATE: July 1, 2015
FILE NO.: 1.0 (07-01-2015_Post_P1B_Shift_VMS_Massage)

Scott, Jimmy;

To further reinforce MOT Phase 1B to the traveling public have the following messages added to VMS's all locations:

**NEW
TRAF
PATTERN**

**CAUTION
CAUTION
CAUTION**

Thanks,

**Robert P. Rudd, P.E.
Senior Project Engineer
TIERRA, INC.**

1133 Crown Park Circle | Winter Garden, Florida 34787
T 407-877-1354 | F 407-654-7347 | C 407-461-1564
www.tierraeng.com | rrudd@tierraeng.com
geotechnical environmental materials engineering

The following abbreviations are understood with a **prompt** word by about 75% of the drivers. These abbreviations may require some public education prior to usage.

| <u>WORD</u> | <u>ABBREV.</u> | <u>PROMPT</u> |
|-------------|----------------|------------------|
| Condition | COND | Traffic* |
| Congested | CONG | Traffic |
| Downtown | DWNTN | Traffic |
| Frontage | FRNTG | Road |
| Local | LOC | Traffic |
| Northbound | N-BND | Traffic |
| Roadwork | RDWK | Ahead [Distance] |
| Temporary | TEMP | Route |
| Township | TWNNSHP | Limits |

* = Prompt word given first

Certain abbreviations are prone to inviting confusion because another word is abbreviated or could be abbreviated in the same way. **DO NOT USE THESE ABBREVIATIONS:**

| <u>ABBREV.</u> | <u>INTENDED WORD</u> | <u>WORD ERRONEOUSLY GIVEN</u> |
|----------------|----------------------|-------------------------------|
| WRNG | Warning | Wrong |
| ACC | Accident | Access (Road) |
| DLY | Delay | Daily |
| LT | Light (Traffic) | Left |
| STAD | Stadium | Standard |
| L | Left | Lane (Merge) |
| PARK | Parking | Park |
| RED | Reduce | Red |
| POLL | Pollution (Index) | Poll |
| FDR | Feeder | Federal |
| LOC | Local | Location |
| TEMP | Temporary | Temperature |
| CLRS | Clears | Color |

Marchese, Deborah

From: Scott, Jimmy
Sent: Tuesday, June 30, 2015 4:44 PM
To: Robert Rudd (rrudd@tierraeng.com)
Cc: Hinton, Joseph; Marchese, Deborah
Subject: FW: North Hancock - Phase 3
Attachments: Grade As-Built Plan-SHEET 2.pdf; Grade As-Built Plan-SHEET 3.pdf; Grade As-Built Plan-SHEET 1.pdf

Robert,

Not sure if Joe already sent these to you but for your review.
Thanks.

From: Travis, Rick
Sent: Tuesday, June 30, 2015 9:31 AM
To: Hinton, Joseph
Cc: Scott, Jimmy
Subject: North Hancock - Phase 3

Joe,

I'll send over the hard copies but here are PDF files for your review. The shots that have descriptions are County Survey crew data. The elevations with no description are plan.

Let us know if you need any further information.

Rick J. Travis, P.S.M., Survey Supervisor

Lake County Public Works
Engineering Division-Survey Section
350 North Sinclair Avenue
P.O. Box 7800
Tavares, Florida 32778
Phone: 352.253.6049
rtravis@lakecountyfl.gov

**Note: The Dept of Public Works Engineering Division has relocated to the Tavares Office
Main Phone: 352-253-6000 / Street Address: 350 N. Sinclair Ave, Tavares, 32778**

Please note: Florida has a very broad public records law. Most written communication to or from government officials regarding government/public business is public record available to the public and media upon request. Your e-mail communications may be subject to public disclosure.

NORTH HANCOCK ROAD
AS-BUILT ELEVATIONS
GRADING PLAN
DRAFT FOR REVIEW ONLY

ASB. NO. 132025
SHEET 1
SHEET 1

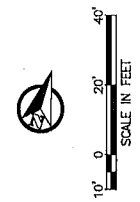
| | | | |
|-------------|-----------|-------|----------|
| APPROVED: | XXX | DATE: | 02/21/18 |
| DRAWN: | XXX | DATE: | 02/21/18 |
| DESIGNED: | XXX | DATE: | 02/21/18 |
| FIELD BOOK: | | DATE: | 02/21/18 |
| SURVEYED: | RJT | DATE: | 02/21/18 |
| REGION: | R - 28E | | |
| | T - 17S | | |
| | S - 28&35 | | |

DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
LAKE COUNTY
FLORIDA
300 N. SINCLAIR AVE., TAVARES, FLORIDA 32778

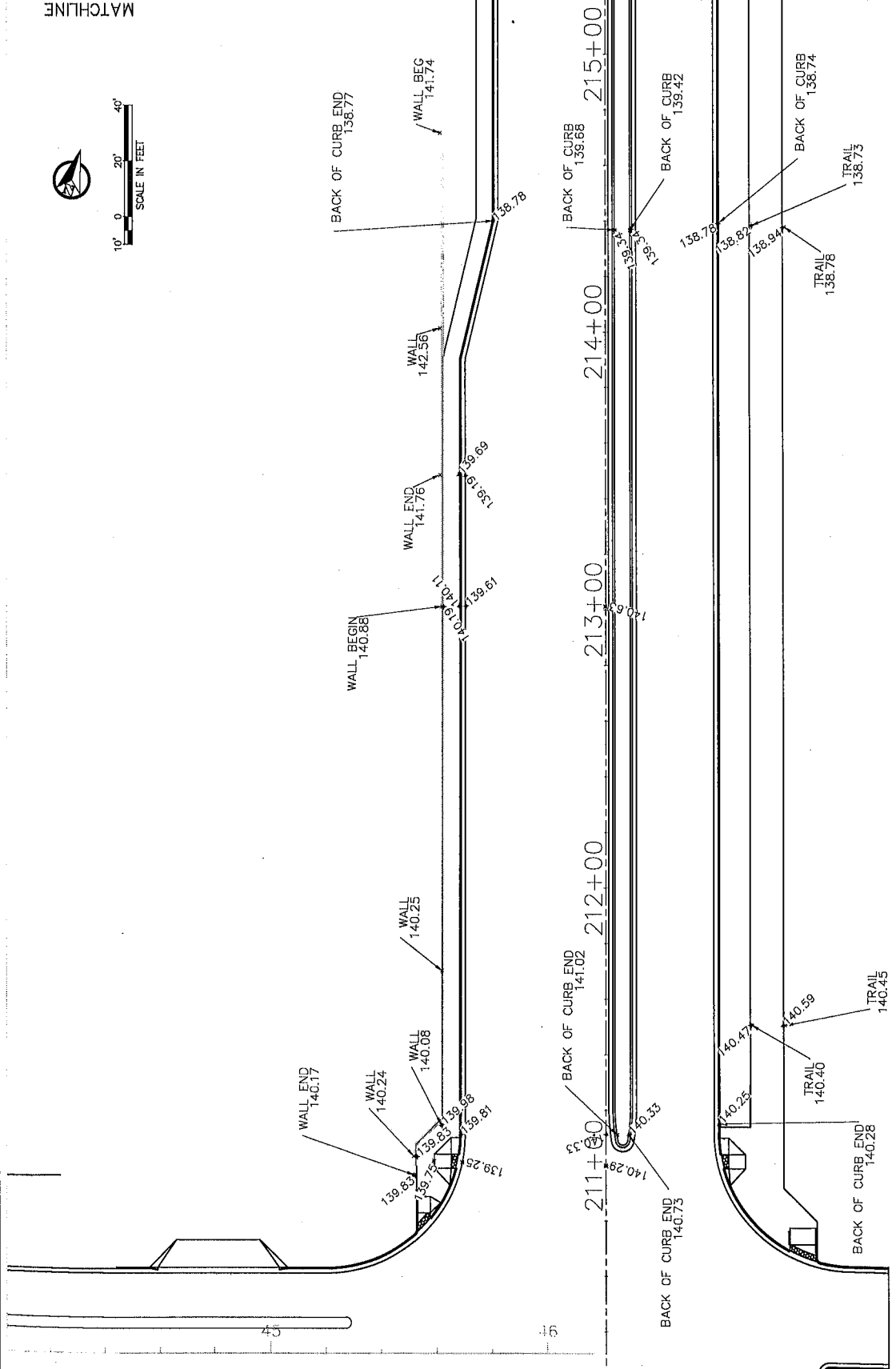
SIGNATURE
DATE: June 29, 2018


MATCHLINE

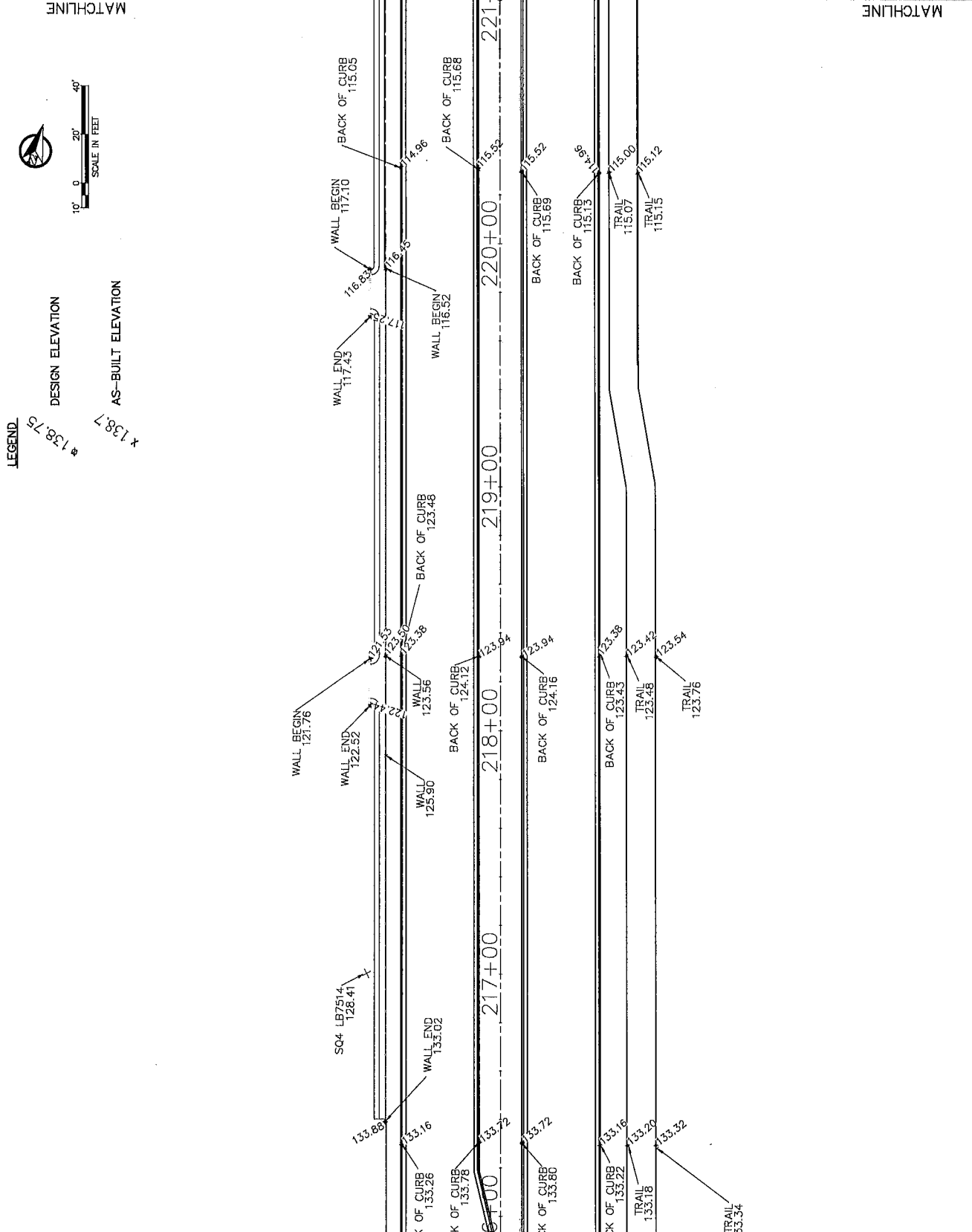
MATCHLINE




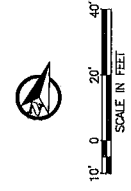
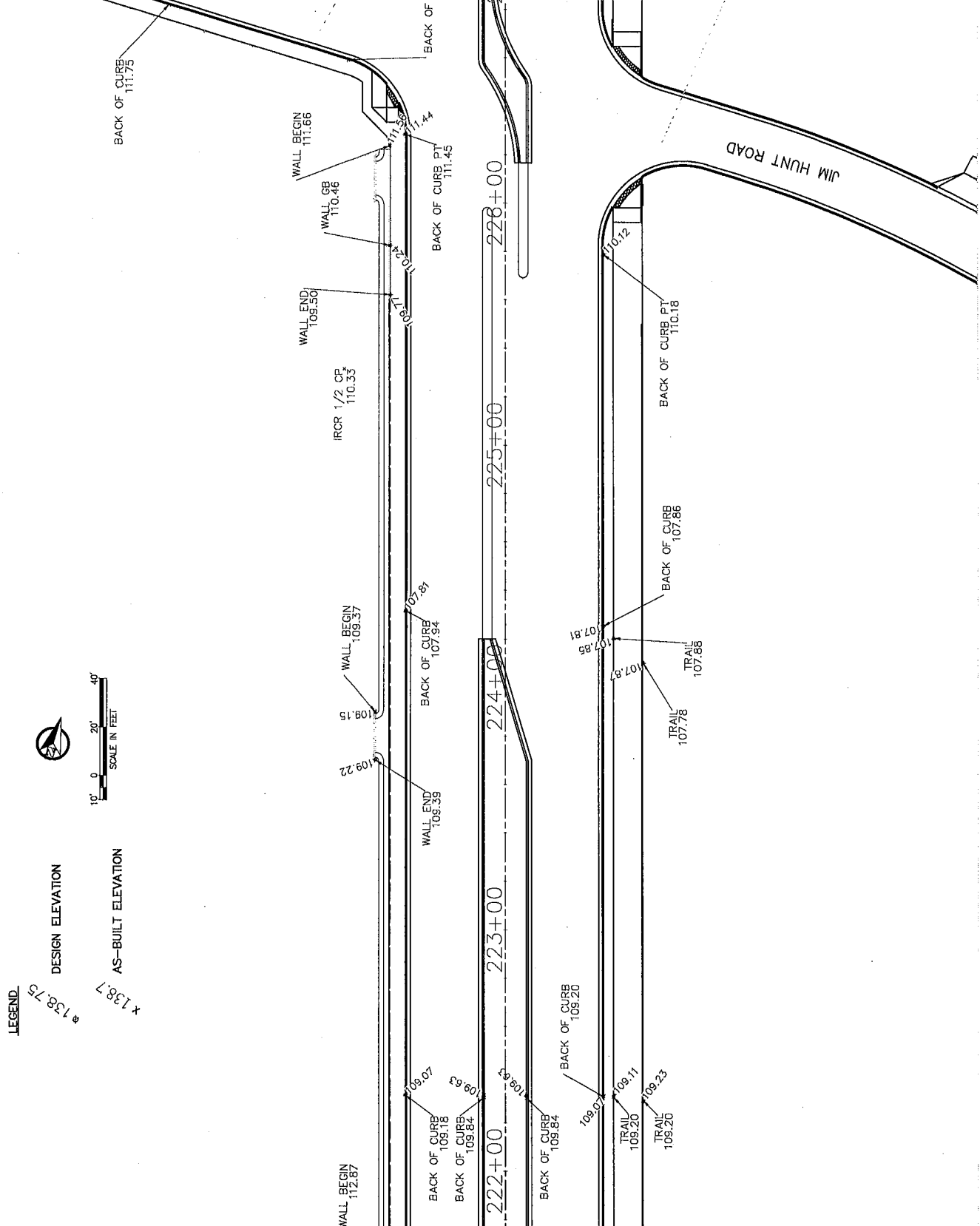
LEGEND:
* 138.75 DESIGN ELEVATION
x 138.7 AS-BUILT ELEVATION



| | | | |
|--|--|--|--------------------------------------|
|  LAKE COUNTY FLORIDA DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 300 N. GINGLAIN AVE., TAYLOR, FLORIDA 32778 | APPROVED: XXX DATE: 4/20/16 DRAWN: XXX DATE: 4/28/16 DESIGNED: XXX DATE: 4/28/16 FIELD BOOK: XXX SURVEYED: XXX DATE: 4/20/16 | NORTH HANCOCK ROAD AS-BUILT ELEVATIONS GRADING PLAN DRAFT FOR REVIEW ONLY | JOB NO. 13026 SHEET SHEET 2 |
| SIGNATURE DATE | REVISION: R. -20E T. -17S | | |



| | | | | | |
|---|--|---|---------------------------------|--|--|
|  DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 380 N. GINGLICH AVE., TAVARES, FLORIDA 32770 | | APPROVED: XXXX DATE: 6/25/18 DRAWN: XXXX DATE: 6/25/18 DESIGNED: XXXX DATE: 6/25/18 FIELD BOOK: PAGE: 1 SURVEY: RPT DATE: 6/25/18 | | NORTH HANCOCK ROAD AS-BUILT ELEVATIONS GRADING PLAN DRAFT FOR REVIEW ONLY | |
| SIGNATURE June 25, 2018 | | REVISION: _____ DATE: _____ _____ DATE: _____ _____ DATE: _____ | S. -26&35 T. -175 R. -28E | JOB NO.: 13025 SHEET: SHEET 3 | |



LEGEND:
 @ 138.75 DESIGN ELEVATION
 x 138.7 AS-BUILT ELEVATION

Marchese, Deborah

From: Robert Rudd <r.rudd@aol.com>
Sent: Monday, June 29, 2015 4:27 PM
To: Scott, Jimmy; Hinton, Joseph
Cc: jbegovich@tierraeng.com; jeraso@tierraeng.com; Marchese, Deborah
Subject: FW: Proposal for School Fence Grounding
Attachments: Bid Proposal for NORTH HANCOCK_0004_0.PDF

Terry,

I do not know were to get data on how much electrical grounding stations costs. However, from Fed Davis Bacon Rates 1 Electrical and 1 Electrician Helper should run as follows: These guys typically make 10% to 25% more than rate. Electrician Raw Low Rate (per Davis Bacon) at \$31.07/hr and High End Rate (Davis Bacon +25%) at \$38.84/hr. Labor Burden at + 50%. Profit and Overhead At 25%. 6 Station Installed in 1 day or 8 hours. Range for Electrician at \$466.05 to \$582.60 per day. Helper is typically 75% of Electrician. Helper Range per day at \$349.54 to \$436.95. Total Labor Range at \$815.59 to \$1,019.55 per day. Double Values to reflect materials, equipment, certs, license, etc. then Daily Cost Range would be \$1,631.18 to \$2,039.10.

My Best Guess.

Thanks,

Robert Rudd

From: Scott Smith [<mailto:ssmith@pospiechcontracting.com>]
Sent: Wednesday, June 24, 2015 11:04 AM
To: Robert Rudd
Subject: FW: Proposal for School Fence Grounding

Robert,

Attached is a revised quote showing 6 grounding locations. There will be two 10' ground rods at each location to achieve the 20' ground.

Please let me know if you need anything else.

Thanks,

Scott Smith



POSPIECH
CONTRACTING

201 S. Apopka Ave.
Inverness, FL 34452
ssmith@pospiechcontracting.com
O: 352.726.3940 x.215

F: 352.726.5250
C: 863.640.1923

From: Gerry@GaudetteElectric.com [<mailto:Gerry@GaudetteElectric.com>]
Sent: Wednesday, June 24, 2015 10:51 AM
To: Smith, Scott
Subject: Proposal for School Fence Grounding

GAUDETTE ELECTRIC, INC.
6380 S. TEX POINT
HOMOSASSA FLORIDA 34448

Pospiech Contracting, Inc.
201 S Apopka Ave.
Inverness, Florida 34452

Attention: Scott Smith
24 June 2015
School Fence Grounding
Minneola
101 N. Hancock Road
Clemont, Florida 34715
Please see attached.

We would like to thank you for the opportunity to quote this project.
If you have any questions, please call us.

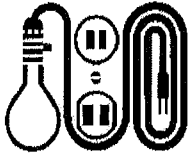
Sincerely,
Gerry Gaudette
GAUDETTE ELECTRIC, INC.

Total Control Panel

[Login](#)

To: ssmith@pospiechcontracting.com [Remove](#) this sender from my allow list
From: gerry@gaudetteelectric.com

You received this message because the sender is on your allow list.



Bid Proposal

NORTH HANCOCK: School Fence Grounding

GAUDETTE ELECTRIC, INC.

6380 S. TEX POINT
HOMOSASSA, FLORIDA 34448
Phone: 352-628-3064 ext. 101
Website: WWW.GAUDETTEELECTRIC.COM

Pospiech Contracting, Inc.
201 S Apopka Ave.
Inverness, Florida 34452

24 June 2015
School Fence Grounding
Minneola
101 N. Hancock Road
Clemont, Florida 34715

Attention: Scott Smith

Re: Proposal for School Fence Grounding

We are pleased to quote the Electrical Installation on the above referenced project with the following qualifications and exclusions:

Qualifications:

Scope: Installation of 6 fence grounding rods on outside of 600' Aluminum fence line at 100' intervals.

1. Permit Fees are NOT included.
2. All wiring to meet the requirements of the 2011 National Electrical Code.
3. Installation of (6) 20' 5/8 copper clad ground rod with factory couplings.
4. Installation of combo aluminum/copper #6 lug to be drilled and tapped to alluvium fence post.
5. Installation of copper #6 ground jumper wire from fence base to top of each ground rod.
6. Cad-Welding of ground wire to top of each 20' rod.
7. The cost to comply with Jessica Lunsford Act has been included.

Exclusions:

1. Performance Bonding.
2. Omissions from Electrical Specifications/Qualification Indicated above.

See Adder below for installation of additional ground rod units.

Pricing:

For the Sum of \$1,771.00

Alternates:

| Name | | Amount |
|--|--------|--------|
| ADDER FOR 1 ADDITIONAL FENCE POST GROUNDING..... | Add \$ | 200.00 |

We would like to thank you for the opportunity to quote this project.
If you have any questions, please call us.

Sincerely,

Gerry Gaudette
GAUDETTE ELECTRIC, INC.