

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date:	December 8, 2020	<input checked="checked" type="checkbox"/>	Consent	<input type="checkbox"/>	Regular
		<input type="checkbox"/>	Workshop	<input type="checkbox"/>	Public Hearing
Department:	Engineering & Public Works				
Submitted By:	Engineering & Public Works				
Submitted For:	Roadway Production Division				

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve:

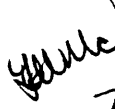
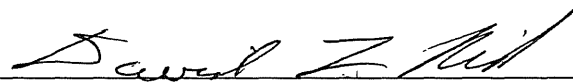
- A) the First Amendment to an Interlocal Agreement (R-2019-0580) with the City of West Palm Beach (City) in the amount of \$148,117.59 for the design and construction of certain modifications to the widening of Roebuck Road from Jog Road to Haverhill Road (Project); and
- B) a budget amendment of \$2,003.00 in the Road Impact Fee Fund – Zone 2 to recognize design reimbursement funding from the City and appropriate it to the Project.

SUMMARY: Approval of the First Amendment will allow the City to reimburse Palm Beach County (County) \$148,117.59 for the Project’s design and construction modifications necessary to accommodate the City’s future fire station. This budget amendment is necessary to recognize the funding from the City for the design modifications requested by the City. A prior budget amendment of \$146,114.91 recognized funding from the City for the construction modifications.
Districts 2 and 7 (YBH)

Background and Justification: The City requested a modification to the Project under construction to accommodate its future fire station and agrees to pay directly to the County all design and construction costs attributable to the City’s requested modifications. The inclusion of these modifications while the Project was under construction minimized future disruption to Roebuck Road at this location.

Attachments:

1. Location Map
2. First Amendment with Exhibits 1 and 2 (2 originals)
3. Budget Amendment

 Recommended by: <u> ybh </u>	 _____ County Engineer	<u>11-4-2020</u> _____ Date
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Approved By: _____ <div style="text-align: center;"></div> Assistant County Administrator	_____ 11/20/20 _____ Date
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II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$2,003	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	(\$2,003)	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ 0	-0-	-0-	-0-	-0-
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget?	Yes	No	X
Does this item include the use of federal funds?	Yes	No	X

Budget Account No:

Fund 3502 Dept 361 Unit 1391 Object 8101/6948

Recommended Sources of Funds/Summary of Fiscal Impact:

Road Impact Fees - Zone 2
Roebuck Rd/Jog Rd to Haverhill

Design Costs	\$ 2,002.68
Reimbursement	
City of West Palm Beach	(\$ 2,002.68)
Fiscal Impact	-0-

Note: A prior budget amendment of \$146,114.91 recognized funding from the City of West Palm for the construction modifications on January 7, 2020, R-2020-0010.

C. Departmental Fiscal Review: _____ *A. White*

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

Lisa M... 11/5/2020
OFMB *S. M...* 11/14

John S. Jacobson 11/18/2020
Contract Dev. and Control
11-18-20 TW

B. Approved as to Form and Legal Sufficiency:

Anne Tolbert 11/19/2020
for Assistant County Attorney
Liz Neuman

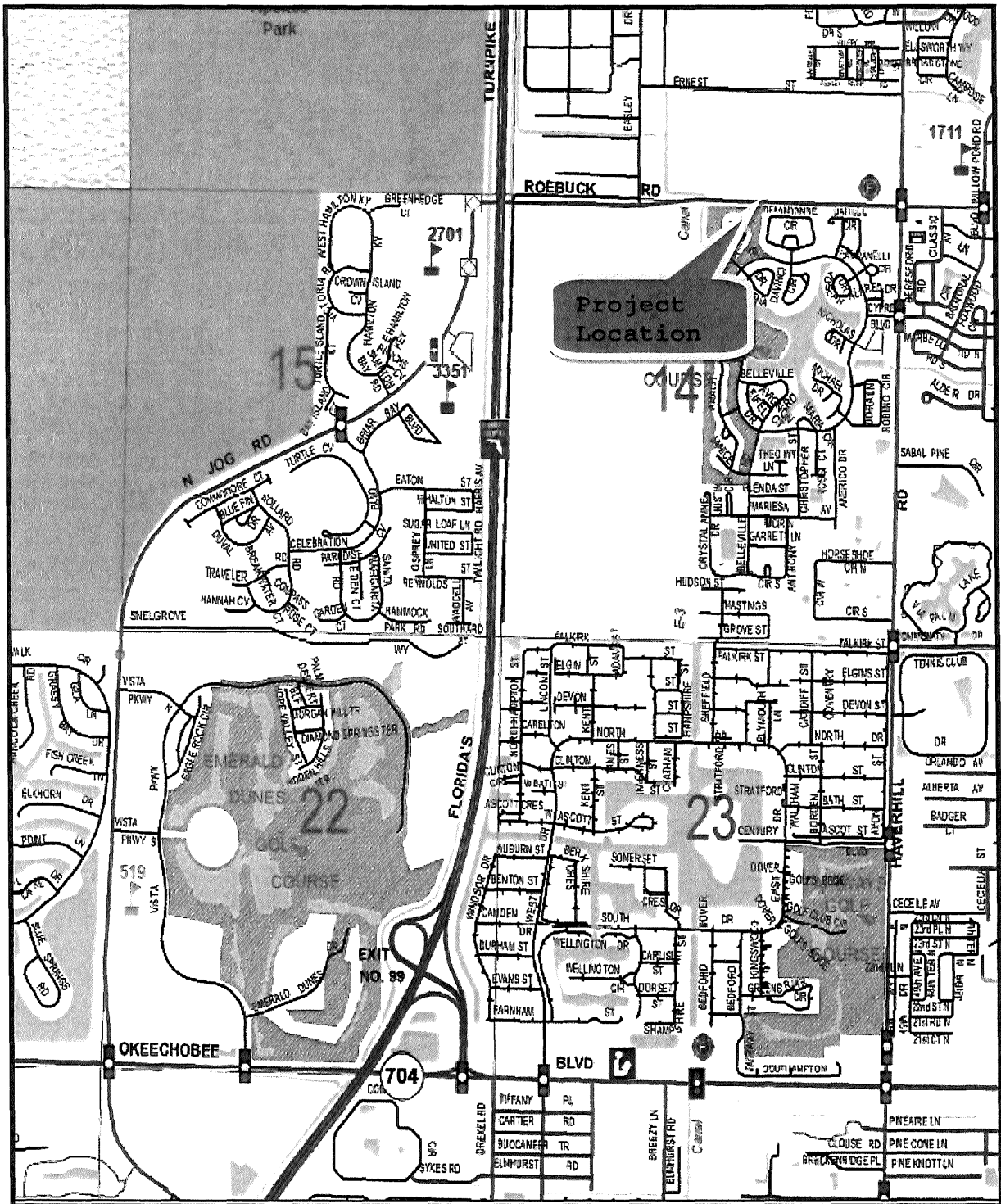
C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

PROJECT LOCATION

Roebuck Road from Jog Road to Haverhill Road



LOCATION MAP

**FIRST AMENDMENT TO THE INTERLOCAL AGREEMENT BETWEEN PALM
BEACH COUNTY, FLORIDA
AND
CITY OF WEST PALM BEACH
FOR JOINT PARTICIPATION AND PROJECT FUNDING
FOR DESIGN MODIFICATION AND CONSTRUCTION FUNDING FOR
ROEBUCK ROAD FROM JOG ROAD TO HAVERHILL ROAD
PALM BEACH COUNTY PROJECT NO. 2013529**

THIS FIRST AMENDMENT, made and entered into this ___ day of _____, 20___, by and between Palm Beach County, a political subdivision of the State of Florida, (hereinafter "COUNTY") and the City of West Palm Beach, a municipal corporation existing under the laws of Florida, (hereinafter "CITY"), each one constituting a public agency defined in Part I of Chapter 163, Florida Statutes.

WHEREAS, on May 7, 2019, the parties entered into an Interlocal Agreement (hereinafter "Agreement") (R-2019-0580) wherein the CITY agreed to pay for certain design plan modifications to accommodate the future City fire station (hereinafter "Modification") on Roebuck Road through COUNTY Project Number 2013529 "Roebuck Road from Jog Road to Haverhill Road" (hereinafter "Project"); and

WHEREAS, the parties desire to amend the Agreement; and

WHEREAS, the parties hereto mutually agree that this Amendment is in their best interest;

WHEREAS, the CITY has requested that COUNTY construct the Modification to the Project; and

WHEREAS, the CITY agrees to pay for the additional design and construction costs of the Modification; and

WHEREAS, both COUNTY and CITY declare that it is in the public interest that the Modification be constructed by Hardrives, Inc. (hereinafter "Contractor"); and

NOW, THEREFORE, in consideration of the mutual covenants, promises, and representations contained herein, the parties agree to amend the Agreement as follows:

1. The above recitals are true and correct and are incorporated herein.
2. **Section 2** of the Agreement is amended to add the following subsections:
 - D. COUNTY, through its Consultant further revised Project plans for the Modification as described in Exhibit "1" in accordance with CITY'S review and comments on the plans.
 - E. COUNTY, through its Contractor, shall construct the Modification and shall obtain

INTERLOCAL AGREEMENT AMENDMENT NUMBER ONE

E. COUNTY, through its Contractor, shall construct the Modification and shall obtain written approval from the CITY in advance of incurring any cost exceeding the amount in Section 3.A. below. CITY'S approval shall not be unreasonably withheld.

3. Section 3 of the Agreement is amended as follows.

Subsection B is deleted in its entirety and replaced with the following subsection B:

B. Costs shall be based upon actual invoiced costs submitted by Consultant and Contractor, with concurrence by the CITY.

Subsection C is added as follows:

C. CITY shall reimburse COUNTY a total estimated cost of One Hundred Forty-Eight Thousand, One Hundred Seventeen Dollars and Fifty-Nine Cents (\$148,117.59), for all work in Exhibit "1" and Exhibit "2" related to design and construction of the Modification. Any cost exceeding this amount attributable to the Modification shall be paid by the CITY, pursuant to section 2.E. above.

4. Except as hereby amended, all other terms and conditions of the Agreement (R2019-0580) shall remain in full force and effect.

(SIGNATURES ON FOLLOWING PAGE)

INTERLOCAL AGREEMENT AMENDMENT NUMBER ONE

IN WITNESS WHEREOF, the undersigned parties have executed this Amendment on the day and year first written above.

CITY OF WEST PALM BEACH

PALM BEACH COUNTY, FLORIDA,

BY: _____
Keith James, Mayor

BY: _____
Mayor


ATTEST:

ATTEST:

CITY CLERK

APPROVED AS TO TERMS
AND CONDITIONS

BY: _____

BY: 
Morton L. Rose, P.E., Director
Roadway Production Division

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

BY: _____
City Attorney

BY: _____
Assistant County Attorney

ATTEST

SHARON R. BOCK,
CLERK & COMPTROLLER

BY: _____

EXHIBIT "A"
ROEBUCK ROAD
Jog Road to Haverhill Road
POST DESIGN SERVICES – ADDITIONAL SERVICES AND
STRUCTURAL ANALYSES DURING CONSTRUCTION

Palm Beach County Project No. 2013529

SCOPE OF SERVICES

July 25, 2019

*OK to process as to
scope & fee.
KOFurnell
8/1/19*

OVERVIEW

Mock Roos has completed the design of improvements to Roebuck Road from Jog Road to east of Haverhill Road. The County desires Mock Roos to continue providing Post-Design Services during construction as requested by the project construction coordination team, beyond the initial services provided in the Roebuck Road basic services contract. The services required under this scope cover changes necessary to the design due to unexpected structural issues raised by the contractor. To address these issues Mock Roos was required to retain the services of a structural engineer (WGI, Inc.). In addition, additional time is expected for Mock Roos engineers to assist the County during the completion of the construction activities. This work will include attendance at progress and field meetings, addressing RFI's and resolution of construction conflicts that may arise.

Therefore, this Scope of Services and Fee Proposal for the Roebuck Road – Additional Services and Structural Analyses has been prepared. The work to be performed for this task shall be in accordance with the terms and provisions of the Annual Civil Engineering Agreement, including amendments and clarifications, between Palm Beach County and Mock Roos, dated March 22, 2016, except as amended above. Any additional services requested by the County beyond this scope of services shall be performed under a separate agreement.

DESCRIPTION OF SERVICES

Mock Roos has provided certain post design services on Roebuck Road to Palm Beach County under an optional services authorization. County construction staff requested Mock Roos to provide certain structural and civil engineering services as follows:

1. Evaluate and issue special revisions to the standard Traffic Barrier wall at the connection to an existing wall over Florida's Turnpike.

2. Provide structural analysis and review of the contractor's proposed solution to correct an improperly constructed mast arm support foundation at the northwest corner of the Roebuck Road/Haverhill Road intersection.
3. Continuation of providing Post Design construction assistance services during the construction phase.
4. Modification of the driveway to the future WPB Fire Station and pull boxes with conduit locations.

Attached are spreadsheets to substantiate the procurement of services from the structural engineer (WGI, Inc.). Estimates of additional time required by Mock Roos engineers is also attached.

Professional Service Fees

Post Design – Construction Phase

Structural Engineering Services – barrier wall	\$ 2,509.14 ✓
Structural Engineering Services – mast arm analysis	\$ 2,509.14 ✓
Additional Construction Assistance Services	\$ 4,480.05 ✓
WPB Fire Station Curb & Pull Box Modifications	\$ 2,002.68 ✓

Total Estimated Structural & Additional Services Fees **\$11,501.01**

SCHEDULE

Portions of this work have already been performed by the structural engineer. The plan modifications and remainder of construction assistance will be performed within the construction period of the project, as requested by the County.

ROEBUCK ROAD
Jog Road to Haverhill Road

Post Design - Construction Phase Services
July 2, 2019

POST-DESIGN SERVICES

Classification	# hours	raw labor rate	Amount	
Senior Project Manager	15	\$62.75	\$941.25	✓
Senior Project Engineer	<u>10</u>	\$55.21	<u>\$552.10</u>	✓
Subtotal	25		\$1,493.35	✓
	multiplier	3.00	\$4,480.05	✓

Applicable raw labor rates from current Mock Roos Annual Civil Engineering Services Contract with Palm Beach County (2016 rates).

WANTMAN GROUP, INC.
ROEBUCK ROAD BARRIER WALL ✓

HOURLY BREAKDOWN OF SERVICES
EXHIBIT "A"

ACTIVITY	PRINCIPAL ENGINEER	SENIOR PROJECT ENGINEER	PROJECT MANAGER	PROJECT ENGINEER	ENGINEER/ENGINEER INTERN	CAD TECHNICIAN	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$216.33	\$202.06	\$168.00	\$132.12	\$105.00 ✓	\$100.00 ✓		
Modification to Existing Barrier		8.0			8.5		16.5 ✓	\$2,509.14 ✓
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
TOTAL MANHOURS	0.0	8.0	0.0	0.0	8.5	0.0	16.5	
DIRECT LABOR COST	\$0.00	\$1,616.64	\$0.00	\$0.00	\$892.50	\$0.00		\$2,509.14 ✓

ENGINEERING FEES \$2,509.14

WANTMAN GROUP, INC.
 ROEBUCK ROAD MAST ARM ✓

HOURLY BREAKDOWN OF SERVICES
 EXHIBIT "A"

ACTIVITY	PRINCIPAL ENGINEER	SENIOR PROJECT ENGINEER	PROJECT MANAGER	PROJECT ENGINEER	ENGINEER/ENGINEER INTERN	CAD TECHNICIAN	TOTAL HOURS BY ACTIVITY	LABOR COST BY ACTIVITY
	\$218.33	\$202.08	\$188.00	\$132.12	\$105.00 ✓	\$100.00		
Structural Design		8.0 ✓			8.5		16.5	\$2,509.14 ✓
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
							0.0	\$0.00
TOTAL MANHOURS	0.0	8.0	0.0	0.0	8.5	0.0	16.5	
DIRECT LABOR COST	\$0.00	\$1,616.64	\$0.00	\$0.00	\$892.50	\$0.00		\$2,509.14 ✓

ENGINEERING FEES

\$2,509.14

MOCK ROOS & ASSOCIATES, INC.

B5037.70

**ROEBUCK ROAD CURB & PULL BOX MODIFICATIONS for
WEST PALM BEACH FIRE STATION**
Palm Beach County Engineering & Public Works Department
Estimate of Manpower Requirements & Professional Services Fee

PBC - 2013529

July 24, 2019

TASK DESCRIPTION	Senior Engineer (PM)	Sr. Project Engineer	Project Engineer	Total Hours	Amount
ROADWAY PLAN REVISIONS					
1. Create lengthened drop curb condition Sheet #27	1	3	0	4	\$ 228.38
2. Remove changes to driveway & sidewalk (Sheet #27)		1	0	1	\$ 55.21
3. Relocate Pull Boxes and PVC Sleeves (Sheet #27)		3	0	3	\$ 165.63
4. Change Quantities - sidewalk & conduit (Sheet #4)	1	1	0	2	\$ 117.96
5. Annotate Cover Sheet for revisions (#1)		0	1	1	\$ 45.17
6. Issue modified plans to construction team		1	0	1	\$ 55.21
TOTAL MAN HOURS	2	9	1	12	
TOTAL LABOR COSTS	\$ 125.50	\$ 496.89	\$ 45.17		\$ 667.56 ✓
RAW LABOR RATES	\$ 62.75	\$ 55.21	\$ 45.17		
	TOTAL RAW LABOR COST:				\$ 667.56 ✓
Applicable raw labor rates from current Mock Roos Annual Civil Engineering Contract with Palm Beach County (2016 rates)			multiplier	3.00	\$ 2,002.68 ✓
	TOTAL PROFESSIONAL SERVICE FEES:				\$ 2,002.68 ✓



DRIVEWAYS · PARKING AREAS · STREETS · GRADING · ROCK & FILL · CONCRETE WORK

PHONE: 561-278-0456
FAX: 561-278-2147

AN EEO COMPANY

REQUEST FOR CHANGE ORDER

REVISED November 19, 2019

To: Attention: Steve O'Neil
Palm Beach County
2300 N. Jog Rd.
West Palm Beach, FL 33411-2745

Name of Project: Roebuck Rd from Jog Rd to Haverhill and Roebuck Rd/Jog Rd intersection
Project No. 2013529 & 2013529A
Plans and Specifications: Plans from Mock Roos, dated May 2017.

WE HEREBY REQUEST A CHANGE ORDER FOR THE FOLLOWING:

Plan revision for WPB Fire Station \$146,114.91

TOTAL REQUEST FOR CHANGE ORDER: \$146,114.91

NOTES: Plan quantity over-runs can apply to asphalt, milling, curb & gutter, sidewalk, and 13.5" baserock. The exceptions are the underground utilities, excavation, and conduits – due to economies of scale. The underground utilities, excavation and conduits shall be paid based on the attached estimate.

ACCEPTED BY:

HARDRIVES, INC.

Bill Stellway, Project Manager

DATE: _____

Hardrives of Delray Inc . Extra Work Order **EWO # 14**

Owner: Palm Beach County
 Job Name: Roebuck Rd
 Owners Job Number: 2013529 & 2012529A

DESCRIPTION OF WORK: WPB Fire Station plan revision.

MATERIAL:					EQUIPMENT RENTAL:				(Equipment Operating Expense)		
Quant.	Description	Unit	Unit Price	Extension	Hours	Description	Rental Rate	Rental Extension	EOE Rate	EOE Extension	
0.00	Reinforcing Steel	LB	\$0.572	\$0.00	16.0	Excavator	\$75.00	\$1,200.00	\$30.00	\$480.00	
0.00	Base rock	TN	\$15.00	\$0.00	8.0	Loader	\$50.00	\$400.00	\$25.00	\$200.00	
0.00	Concrete	CY	\$130.00	\$0.00	4.0	Transport	\$40.00	\$160.00	\$20.00	\$80.00	
0.00	Prime	Gal	\$5.00	\$0.00	4.0	Paver	\$100.00	\$400.00	\$45.00	\$180.00	
					8.0	Roller	\$50.00	\$400.00	\$20.00	\$160.00	
					28.0	Dump Trucks	\$25.00	\$650.00	\$15.00	\$390.00	
					4.0	Crew Truck	\$25.00	\$100.00	\$15.00	\$60.00	
					4.0	Asphalt Saw-hyd	\$30.00	\$120.00	\$20.00	\$80.00	
					24.0	Survey Truck & GPS Eqp	\$20.00	\$480.00	\$20.00	\$480.00	
					24.0	Pickup	\$7.88	\$189.12	\$6.77	\$182.48	
TOTALS									\$4,099.12		\$2,272.48

LABOR:				Regular w/Brdn	Regular Total	Overtime Hours	O.T. Rate	O.T. w/ Brdn	O.T. Total
Names	Craft	Regular Hours	Regular Rate						
				\$0.00	\$0.00		\$0.00	\$0.00	\$0.00
1 GENERAL FOREMAN	1.0	40.0	\$48.43	\$48.43	\$1,937.20	0.0	\$72.65	\$112.80	\$0.00
1 LABORER/SKILLED	1.0	40.0	\$23.02	\$23.02	\$920.80	0.0	\$34.53	\$53.52	\$0.00
1 LABORER/SKILLED MOT	1.0	40.0	\$23.02	\$23.02	\$920.80	0.0	\$34.53	\$53.52	\$0.00
1 OPERATOR	1.0	35.0	\$27.62	\$27.62	\$994.32	0.0	\$41.43	\$64.22	\$0.00
1 Surveyors	1.0	24.0	\$40.00	\$40.00	\$960.00	0.0	\$60.00	\$93.00	\$0.00
1 TRUCK DRIVER	1.0	30.0	\$24.03	\$24.03	\$720.90	0.0	\$36.05	\$55.87	\$0.00
1 Paving Crew	1.0	4.0	\$1,280.08	\$1,984.28	\$7,857.12	0.0	\$1,920.12	\$2,976.19	\$0.00
				\$0.00	\$0.00	0.0	\$0.00	\$0.00	\$0.00
TOTALS		214			\$14,311.14	0			\$0.00

SUBCONTRACT:				
Quant.	Description	Unit	Price	Extension
1.0	Johnson-Davis	LS	\$90,211.58	\$87,163.39
60.0	Bob's Barricades	Days	\$143.42	\$8,605.20
1.0	Gerelco	LS	\$9,767.38	\$9,767.38
1.0	FineLine Striping	LS	\$5,000.00	\$4,650.00
TOTALS				\$110,185.97

SUMMARY:		
MATERIAL COST:	\$0.00	
SUBTOTAL MATERIAL COST:	\$0.00	
7.0% SALES TAX:	\$0.00	
TOTAL MATERIAL COST:	\$0.00	
10.0% MATERIAL MARKUP:	\$0.00	\$0.00
REGULAR LABOR:	\$14,311.14	
OVERTIME LABOR:	\$0.00	
SUBTOTAL LABOR COST:	\$14,311.14	
10.0% LABOR MARKUP:	\$1,431.11	\$15,742.25
EQUIPMENT RENTAL COST:	\$8,371.60	
10.0% EQUIPMENT MARKUP:	\$637.18	\$7,008.76
SUBCONTRACT COST:	\$110,185.97	
10.0% S/C MARKUP:	\$11,018.60	\$121,204.57
SUBTOTAL:		\$143,955.68
1.5% 1.5% BOND & INSURANCE:		\$2,159.33
TOTAL COST:		\$146,114.91

Note : TIME EXTENSION 60 DAYS

HARDRIVES BURDEN 53.45%

HARDRIVES COST MARK-UP \$130,868.71 \$13,086.87

2



CHANGE ORDER REQUEST

April 15, 2019
Hardrives Asphalt Company, Inc
2101 S Congress Ave
Delray Beach, FL 33445
Attn: Bill Stellway

Project: Roebuck Road JD#31477
RE: Fire Station Watermain

J-D COR #: 11

Bill,

The following is our change order related to the extra cost to furnish and install new proposed 8-inch DIP watermain for the proposed fire station on Roebuck Road. Please provide approval at your earliest convenience.

DATE: TBD
TASK: Roebuck Road JD#31477

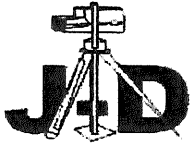
1	LABOR	1	LS	\$28,122.18	\$28,122.18
2	EQUIPMENT	1	LS	\$25,785.43	\$25,785.43
3	MATERIALS	1	LS	\$33,008.29	\$33,008.29
4	SUBS	1	LS	\$247.50	\$247.50
				Total Amount of Change Order:	\$87,163.39

Total Amount of Days Added to The Contract: 35

Please review and forward to the responsible parties for authorization.
As always, should there be any questions, please feel free to contact our office.

Sincerely,


Rob Lima
Project Manager



Johnson-Davis Inc.

Job Name: Roebuck Road
JD Job #: 31477

Date: 4/15/2019

Description of Work: Fire Station Watermain

Labor

Name	Position	Standard Hours	Overtime Hours	Standard Rate	Overtime Rate	Total
Henrisme,Jacky	Foreman	88		\$ 35.79	\$ 53.69	\$ 3,149.52
Newman,Peter	Oper-Exc	88		\$ 19.80	\$ 29.70	\$ 1,742.40
Pinder, Gregory	Oper-Ldr	88		\$ 22.00	\$ 33.00	\$ 1,936.00
Arce, Santos	PL	88		\$ 25.00	\$ 37.50	\$ 2,200.00
Saint Pierre, Kenol	SL	88		\$ 14.50	\$ 21.75	\$ 1,276.00
Toyo, Jean	SL	88		\$ 15.50	\$ 23.25	\$ 1,364.00
Joseph,Joanis	SL	88		\$ 15.50	\$ 23.25	\$ 1,364.00
Harp, Kenneth	CL	71		\$ 21.50	\$ 32.25	\$ 1,526.50
Phanor, Aniel	SL	71		\$ 17.50	\$ 26.25	\$ 1,242.50
Truck Driver	D	30		\$ 20.74	\$ 31.11	\$ 622.23
Labor Subtotal						\$ 16,423.15
Burden 0.489						\$ 8,030.92
Markup on Labor 15.0%						\$ 3,668.11
Labor Total						\$ 28,122.18

Equipment

Description	Qty	Hours	Rate	Total
Foreman Truck with Hand Tools	1	88	\$ 18.56	\$ 1,633.28
20-69 Komastu PC240-LC-11 Excavator	1	65	\$ 113.37	\$ 7,369.05
30-48 Komatsu WA380-8 Loader	1	80	\$ 100.75	\$ 8,060.00
Cut off Saw 14"	1	30	\$ 7.50	\$ 225.00
Tamper	1	40	\$ 6.37	\$ 254.80
Support Crew Truck with Hand Tools	1	71	\$ 29.85	\$ 2,119.35
45-117 Tri-Axle Truck Tractor	1	20	\$ 74.88	\$ 1,497.60
Lowboy Trailer	1	11	\$ 26.85	\$ 295.35
Flatbed Trailer	1	9	\$ 8.22	\$ 73.98
45-164 Tri-Axle Dump Truck - Steel Body	1	10	\$ 89.37	\$ 893.70
Equipment Subtotal:				\$ 22,422.11
Markup on Equipment 15.0%				\$ 3,363.32
Equipment Total				\$ 25,785.43

Material

Description	Qty	Unit	Rate	Total
Utility Quote	1	LSU	\$ 26,825.10	\$ 26,825.10
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Material Subtotal:				\$ 26,825.10
Tax 7%				\$ 1,877.76
Markup on Material 15.0%				\$ 4,305.43
Material Total				\$ 33,008.29

Subcontractor

Description	Qty	Unit	Rate	Total
BAC-T Testing	3	EA	\$ 75.00	\$ 225.00
				\$ -
Subcontractor Subtotal:				\$ 225.00
Markup on Subcontractors 10.0%				\$ 22.50
Subcontractor Total				\$ 247.50

Total: \$ 87,163.39

Comments:

COMPONENT PLAN SETS

- ROADWAY AND DRAINAGE - (43-42-11-38)
- SIGNING AND PAVEMENT MARKINGS - (43-42-11-39)
(FOR INFORMATION ONLY)
- SIGNALIZATION PLANS (43-42-11-40)

GOVERNING SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.

SURVEY DATUM: NAVD 88

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS. (BOOKLET DATED JANUARY, 2016)

ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE LATEST FOOT DESIGN STANDARDS AND LATEST BRIDGE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**COUNTY OF PALM BEACH
STATE OF FLORIDA**

PROJECT NO. 2013529

**ROEBUCK ROAD IMPROVEMENTS
ROADWAY AND DRAINAGE CONSTRUCTION**

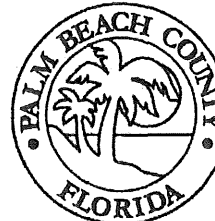
BOARD OF COUNTY COMMISSIONERS

HAL R. VALECHE
DISTRICT 1

PAULETTE BURDICK
DISTRICT 2

STEVEN L. ABRAMS
DISTRICT 4

MELISSA MCKINLAY
DISTRICT 6



DAVE KERNER
DISTRICT 3

MARY LOU BERGER
DISTRICT 6

MACK BERNARD
DISTRICT 7

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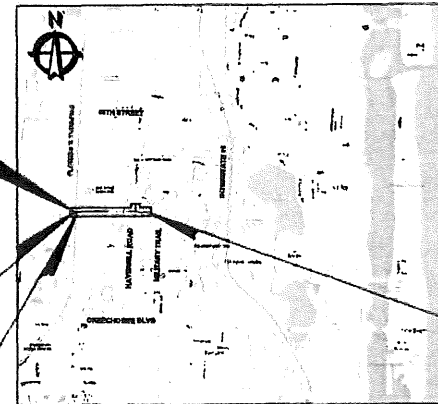
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90	
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**BEGIN PROJECT
STA. 1174+34.05**

LENGTH OF PROJECT		
	LINEAR FT.	MILES
ROADWAYS	8,144.33	1.18
BRIDGES	327	.08
NET LENGTH OF PROJECT	8,471.33	1.23
EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	8,471.33	1.23

**BEGIN BRIDGE
STA. 1176+00.67**

**BEGIN CONSTRUCTION
END BRIDGE
STA. 1179+27.67**



LOCATION MAP

N. T. S.
SEC. 11, TWP. 48S., RGE. 42E.

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR THE PALM BEACH COUNTY ENGINEERING DEPARTMENT AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

DATE _____
ENGINEER
NEIL J. CONDY, P.E. NO. 36773



PROJECT NO. 83013.00
DRAWING NO. 43-42-11-38
6720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-4111, Fax: 478-7248
FLORIDA E.L. NO. 48

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P. O. BOX 31289, WEST PALM BEACH, FLORIDA

SCALE: 1" = 40'
APPROVED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]
DATE: MAR 2017

FIELD BOOK NO. _____
DATE _____

PROJECT: ROEBUCK ROAD IMPROVEMENTS
FLORIDA'S TURNPIKE TO
EAST OF HAVERHILL ROAD
PALM BEACH COUNTY, FLORIDA
DESIGN FILE NAME: 43-42-11-38

SHEET: 1
OF: 118

PROJECT NO. 83013.00
DRAWING NO. 43-42-11-38
FLORIDA E.L. NO. 48

27. THE COUNTY SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY TESTING TO ASSURE THAT THE PROPER COMPACTION HAS BEEN ACHIEVED IN THE SUBGRADE, BASE MATERIAL, CONCRETE, ASPHALT, PIPE BASE MATERIAL AND ALL OTHER PERTINENT AREAS THAT HAVE BEEN COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE TESTS AND COORDINATING WITH THE COUNTY REPRESENTATIVE. THE COUNTY WILL PAY FOR INITIAL TESTS. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH RETESTING OF FAILED TESTS. THE CONTRACTOR SHALL PROVIDE THE COUNTY AND THE ENGINEER COPIES OF ALL TEST RESULTS. ALL REPORTS ARE TO BE SIGNED AND SEALED BY A REGISTERED GEOTECHNICAL ENGINEER IN THE STATE OF FLORIDA.
28. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKE-OFF MEASUREMENTS, MATERIALS, ETC. DURING THE BID PROCESS. WHEN DISCREPANCIES OCCUR, THE PHYSICAL PLAN TAKES PRECEDENCE. THE ENGINEER AND COUNTY OR PROJECT MANAGERS ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES TO THE SPECIFICATIONS OR PLANS. QUANTITIES PROVIDED ARE PROVIDED FOR REFERENCE ONLY; IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES PRIOR TO BID SUBMITTAL.
29. THE CONTRACTOR IS TO USE EXTREME CAUTION WHEN WORKING IN OR AROUND AREAS OF EXISTING LOOP AND LEAD-IN WIRES; TRANSMISSION LINES, UNDERGROUND UTILITIES AND OVERHEAD UTILITIES.
30. ALL TRENCHING OR EXCAVATION WITHIN THE PAVEMENT AREA SHALL BE PERFORMED PRIOR TO PLACEMENT OF BASE AND ASPHALT.
31. THE CONTRACTOR SHALL NOTIFY PALM BEACH COUNTY TRAFFIC DIVISION, PHONE (561) 684-4030, TWO WORKING DAYS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR THE MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS.
32. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
33. GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.
34. BENCHMARK DATUM MUST BE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD).
35. EXISTING SECTION, QUARTER SECTION CORNER, PROPERTY CORNERS, PALM BEACH COUNTY SURVEY CONTROL MONUMENTS AND ALL OTHER PERMANENT MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION BY A PROFESSIONAL SURVEYOR AND MAPPER.
36. UTILITIES ARE TO BE ADJUSTED BY OTHERS UNLESS OTHERWISE NOTED.
37. THE LOCATION OF EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY; THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF OTHER UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
38. UTILITY COMPANIES WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:
- | CONTACT PERSON | UTILITY | PHONE NUMBER |
|-----------------|-----------------------------------|------------------|
| SUPERINTENDENT | PBC TRAFFIC OPERATIONS | (561) 233 - 3900 |
| AARON NEELY | COMCAST | (561) 454 - 5866 |
| ROD FRIEDEL | PBC TRAFFIC ITS | (561) 681 - 4371 |
| FATTOUSH JAFAR | PBC TRAFFIC SIGNALS | (561) 684 - 4030 |
| JOSEPH SANCHEZ | FLORIDA GAS TRANSMISSIONS | (407) 838 - 7171 |
| MICHAEL COLLIER | SYSTEMS INTEGRATION & MAINTENANCE | |
| MARK CALDWELL | SPRINT NEXTEL | |
| DALE BUTCHER | FLORIDA PUBLIC UTILITIES | (561) 366 - 1636 |
| LAURA LE | CITY OF WEST PALM BEACH | (561) 494 - 1093 |
| GARTH BEDWARD | AT&T | (561) 357 - 6583 |
| CHRIS CAMPOS | DIRECT PLUS, LLC | (308) 406 - 1800 |
| ALAN BOAZ | FLORIDA POWER & LIGHT | (561) 476 - 6306 |
| ANDY POIKANS | LEVEL 3 COMMUNICATIONS | (954) 829 - 7327 |
| JACKIE MICHELS | PBC WATER UTILITIES | (561) 493 - 6123 |
39. UTILITY LOCATIONS MAY ALSO BE DETERMINED BY CALLING SUNSHINE ONE-CALL (811 OR 1-800-432-4770) AND THE RESPECTIVE UTILITY COMPANY.
40. INTERSECTING ROADS AND DRIVEWAYS ARE TO BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
41. ALL PIPES SHALL BE IN ACCORDANCE WITH FLORIDA DOT AND PALM BEACH COUNTY REQUIREMENTS.

42. ALL INLET DRAINAGE STRUCTURES SHALL HAVE A MINIMUM 2' SUMP, EXCEPT CONTROL STRUCTURES. WEEP HOLES SHALL NOT BE A PART OF THESE SUMPS.
43. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES AND CULVERTS MAY EXTEND INTO THE STABILIZED PORTION OF THE ROAD BED AND EXTREME CAUTION WILL BE NECESSARY DURING STABILIZATION OPERATIONS AT THESE LOCATIONS.
44. ALL UTILITY WORK FOR THE CITY OF WEST PALM SHALL BE CONSTRUCTED IN ACCORDANCE WITH WEST PALM BEACH ENGINEERING STANDARD DETAILS. DETAILS CAN BE FOUND ON WEST PALM BEACH'S WEBSITE AT [HTTP://WPB.ORG/DEPARTMENTS/ENGINEERING-PUBLIC-WORKS/FORMS,-PERMITS-APPLICATIONS](http://wpb.org/departments/engineering-public-works/forms-permits-applications)

ENGINEERING LEGEND:

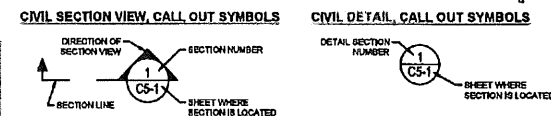
B	BASELINE	SF	SQUARE FEET
BVCS	BEGIN VERTICAL CURVE STATION	STA	STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION	STAB.	STABILIZATION
BM	BENCH MARK	SD	STORM DRAIN
BOW	BACK OF WALK	T	TANGENT
BTM	BOTTOM	TEMP.	TEMPORARY
CB	CATCH BASIN	TBR	TO BE REMOVED
C & G	CURB & GUTTER	TOB	TOP OF BANK
CL	CENTERLINE	TOS	TOE OF SLOPE
CONST.	CONSTRUCTION	(TYP.)	TYPICAL
CONC.	CONCRETE	WM	WATERMAIN
CY	CUBIC YARDS	--- <td>EXISTING WATERMAIN</td>	EXISTING WATERMAIN
D	DEGREE OF CURVATURE	--- <td>EXISTING SANITARY</td>	EXISTING SANITARY
Δ	CENTRAL ANGLE	--- <td>EXISTING STORM DRAIN</td>	EXISTING STORM DRAIN
E	EASTING	--- <td>EXISTING BURIED CABLE</td>	EXISTING BURIED CABLE
o	SUPERELEVATION RATE	--- <td>EXISTING OVERHEAD ELECTRIC</td>	EXISTING OVERHEAD ELECTRIC
EAS	EASEMENT	--- <td>EXISTING GAS</td>	EXISTING GAS
EL	ELEVATION	--- <td>EXISTING BURIED FIBER OPTIC</td>	EXISTING BURIED FIBER OPTIC
EOP	EDGE OF PAVEMENT	--- <td>EXISTING OVERHEAD FIBER OPTIC</td>	EXISTING OVERHEAD FIBER OPTIC
EVCS	END VERTICAL CURVE STATION	(-XX)	EXISTING DRAINAGE STRUCTURE
EVCE	END VERTICAL CURVE ELEVATION	(S-XX)	PROPOSED DRAINAGE STRUCTURE
EXIST.	EXISTING	+	PROPOSED EMBANKMENT SLOPE
FM	FORCEMAIN	+	PROPOSED GRADE SLOPE
FL	FLOWLINE		
MOD.	MODIFIED		
N	NORTHING		
OHW	OVERHEAD WIRE		
PC	POINT OF CURVATURE		
PGL	PROFILE GRADE LINE		
PI	POINT OF INTERSECTION		
PROP.	PROPOSED		
PT	POINT OF TANGENCY		
PVI	POINT OF VERTICAL INTERSECTION		
PVMT.	PAVEMENT		
LT.	LEFT		
LVC	LENGTH OF VERTICAL CURVE		
LF	LINEAR FEET		
LOC	LIMITS OF CONSTRUCTION		
TBR	TO BE REMOVED		
O/S	OFFSET		
R	RADIUS		
RT.	RIGHT		
RXX	RADIUS		
R/W	RIGHT OF WAY		
S/W	SIDEWALK		

SURVEY LEGEND:

BACKFLOW PREVENTER	⊕
BENCHMARK	⊕
BLUE TAXWAY LIGHT	⊕
BOLLARD	⊕
BORING	⊕
CANNISTER	⊕
CATCH BASIN	⊕
CLEANOUT	⊕
CONCRETE LIGHT POLE	⊕
DUCT MARKER	⊕
ELECTRIC BOX	⊕
FIRE HYDRANT	⊕
GAS MARKER	⊕
GROUND LIGHT	⊕
GUY ANCHOR	⊕
IRRIGATION VALVE	⊕
MANHOLE	⊕
MANHOLE DRAINAGE	⊕
MANHOLE ELECTRIC	⊕
MANHOLE SANITARY	⊕
MANHOLE UTILITY	⊕
MAILBOX	⊕
METAL PIPE	⊕
METAL POST	⊕
METAL TRAFFIC SIGN POST	⊕
MONITOR WELL	⊕
PARKING METER	⊕
SIGN	⊕
SOIL BORING	⊕
TELEPHONE BOX	⊕
TEST HOLE	⊕
TRAFFIC SIGNAL BOX	⊕
TV BOX	⊕
VALVE	⊕
WATER METER	⊕
WOOD POWER POLE	⊕
YARD DRAIN	⊕
BANYAN TREE	⊕
BLACK OLIVE TREE	⊕
COCONUT TREE	⊕
FIGUS TREE	⊕
MAHOGANY TREE	⊕
MANGO TREE	⊕
OAK TREE	⊕
PALM TREE	⊕
PINE TREE	⊕
UNKOWN TREE	⊕
HEDGES	⊕
SECTION CORNER	⊕

ELEVATIONS REFERENCED HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

NOTE: TO CONVERT FROM NAVD 88 TO NGVD 29 DATUM ADD 1.54 FEET TO THE NAVD 88 ELEVATION.
EXAMPLE: EL = 10.00' (NAVD 88)
EL = 11.54' (NGVD 29)



GENERAL NOTES AND LEGEND

<p>ALL IN FLORIDA PERIODICALLY REVISIONS</p> <p>FIELD: _____</p>	<p>FLORIDA E.E. NO. 48 FLORIDA L.E. NO. 48</p> <p>MOCK ROOS ENGINEERS & ARCHITECTS</p> <p>5720 Corporate Way, West Palm Beach, Florida 33407 (561) 683-4113, Fax 478-7248</p>	<p>PROJECT NO. B2013.00 DRAWING NO. 43-42-11-38</p> <p>NEIL J. CONDY FLORIDA P.E. NO. 36773</p> <p>DATE: _____</p>	<p>NO. _____</p> <p>REVISION FOR WPA FIRE STATION</p>	<p>DATE: _____</p>	<p>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS</p> <p>ROADWAY PRODUCTION</p> <p>P. O. BOX 1123, WEST PALM BEACH, FLORIDA</p>	<p>SCALE: AS SHOWN APPROVED BY: _____ DATE: _____</p>	<p>ROEBUCK ROAD IMPROVEMENTS FLORIDA'S TURNPIKE TO EAST OF HAVERHILL ROAD PALM BEACH COUNTY, FLORIDA</p> <p>DESIGN FILE NAME: _____ DRAWING NO: 43-42-11-38</p>	<p>SHEET: 3 OF: 118</p> <p>PROJECT NO: 2013529</p>
------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------	--------------------	--------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
REGULAR ROADWAY PAY ITEMS			
1	Mobilization	LS	1
2	Maintenance of Traffic (includes Pedestrian MOT)	LS	1
3	Clearing & Grubbing	LS	1
4	Regular Excavation (Roadway)	CY	8,359
5	Embankment (Compacted In Place) (Roadway)	CY	2,725
6	Regular Excavation (Detention Area)	CY	5,416
7	Embankment (Compacted In Place) (Detention Area)	CY	804
8	Canal Excavation	CY	322
9	Canal Embankment	CY	243
10	Type B Stabilized Subgrade (LBR 40 - 12" thick)	SY	18,688
11	12" Compacted Subgrade	SY	7,505
12	Base rock (8" 1/2" thick - LBR 100)	SY	4,031
13	Base rock (8" thick - LBR 100)	SY	15,704
14	1" Type FC-9.5 Asphaltic Concrete	TN	2,689
15	1-1/2" Type SP-12.5 Asphaltic Concrete	TN	1,662
16	Type SP Asphaltic Concrete Overbuilt	TN	2,478
17	Miscellaneous Asphaltic Concrete	TN	18
18	Milling Existing Asphalt Pavement	SY	28,535
19	Remove Concrete Sidewalk and Curb	SY	4,450
20	Inlets (Type P-1) (<10')	EA	1
21	Inlets (Type P-2) (<10')	EA	2
22	Inlets (Type P-5) (<10')	EA	4
23	Inlets (Type P-6) (<10')	EA	12
24	Inlets (Type J-6) (<10')	EA	1
25	Inlets (Ditch Bottom - Type E)	EA	4
26	Inlets (Ditch Bottom - Type E w/slot & apron)	EA	4
27	Modified Inlet/Manhole Tops	EA	1
28	Modified Type C Inlet Structure	EA	1
29	Double Barrel Closed Flume Inlets	EA	1
30	Manhole (Type P-7 - <10')	EA	10
31	Manhole (Type J-7 - <10')	EA	3
32	Convert Inlet Top to Manhole	EA	3
33	Concrete Pipe Culvert (18" RCP)	LF	1,528
34	Concrete Pipe Culvert (24" RCP)	LF	1,565
35	Concrete Pipe Culvert (60" RCP)	LF	131
36	Concrete Pipe Culvert (12" x 18" RCP)	LF	64
37	Exfiltration Trench (24" RCP)	LF	328
38	PVC Storm Drain (8")	LF	522
39	PVC Storm Drain (10")	LF	103
40	Yard Drain (Nyoplast - 8" w/ 15" grate)	EA	8
41	Double 60" Endwall - Concrete (Class I)	CY	14
42	Double 60" Endwall - Reinforcing Steel	LB	824
43	Double Mitered End Section - Side Drain (Round - 18" dia)	EA	2
44	Mitered End Section - Cross Drain (Round - 24" dia)	EA	1
45	Steel Pipe Gullerail	LF	27
46	Reset Steel Pipe Gullerail	LF	9
47	Type F Curb and Gutter	LF	18,194
48	Concrete Sidewalk (4" Thick)	SY	2,699
49	Concrete Sidewalk (6" Thick)	SY	59
50	Color Treated Stamped Concrete (5" thick)	SY	208
51	Rock Rip-Rap (2-1/2" thick) (including Filter Fabric)	TN	614
52	Guardrail (Roadway)(F&I)	LF	526
53	Remove Existing Guardrail	LF	108
54	Guardrail End Anchorage (Conc Barrier Wall) (F&I)	EA	1
55	Guardrail End Anchorage (Paralle) (F&I)	EA	1
56	Reset Guardrail End Anchorage (Paralle)	EA	1
57	Floating Turbidity Barrier	LF	161
58	Relocate 6' Chain Link Fence	LF	2,380
59	Relocate 8' Chain Link Gates	EA	3
60	2-7" PVC Conduits (Sch 40 - Traffic)	LF	2,849
61	4-2" PVC Conduits (Sch 40 - Traffic)	LF	135

62	1-2" Galvanized Riser Conduit	EA	1
63	Traffic & ISS Pull Boxes (17"x30"x24")	EA	11
64	Traffic & ISS Large Pull Boxes (30"x48"x24")	EA	2
65	Detention Area Grading	SY	16,117
66	Sod (Bahia)	SY	18,133
67	Seed & Mulch	SY	11,508
68	Remove Existing Endwall	EA	1
69	Excavation - ECR Access Road	CY	2,110
70	Embankment (Compacted In Place) - ECR Access Road	CY	58
71	12" Stabilized Subgrade (LBR 40) - ECR Access Road	SY	4,164
72	Base rock (8" thick - LBR 100) - ECR Access Road	SY	2,850
73	1-1/2" Type SP Asphaltic Concrete - ECR Access Road	SY	729
74	Seed & Mulch - ECR Access Road	SY	1,920
75	Coarse Aggregate (#57 Stone)	CY	20
City of West Palm Beach Items of Work			
76	CWPB 24" DIP Water Main 6" Thick Concrete Cover Slab	LF	650
77	CWPB 8" Dip Water Main 6" Thick Concrete Cover Slab	LF	1
78	CWPB 8" DIP Water Main (Inc. Fittings)	EA	800
79	CWPB 8" Gate Valve	EA	2
80	CWPB Fire Hydrant (Inc. Tee and Gate Valve)	EA	2
81	CWPB Sample Points and Laboratory Testing	EA	3
82	CWPB Asphalt Pavement Restoration	SY	35
83	CWPB Connect to Exst Water Main (Inc. Valve Removal)	EA	1
Palm Beach County Water Utilities Items of Work			
84	Removal of Concrete Slab (Sta 1231+25, 48' RT)	LS	1
85	Replace and Adjust Valve Boxes (F&I)	EA	6
86	Removal and Disposal of Exst Offset Air Release Valve w/MH (All Incl.) (Sta 1230+63, 60' LT)	EA	1
87	ARV Manhole, Protect and Adjust (Sta 1208+43, 10' RT)	EA	1
88	2" Offset Air Release Valve w/Manhole for 54" Force Main (All Incl.) (F&I) (Sta 1230+63, 45' LT)	EA	1
89	Relocate Exst Fire Hydrant - Pipe Extension Only (8" DIP < 10', no tap) (Sta 1231+00, 75' LT)	EA	1
90	Removal of Bollards (SW Corner - Rosebuck & Haverhill Rds)	EA	6
91	Deflect Exst 10" DIP Water Main under 24" RCP w/DIP as needed (Fillings & Restraints Incl.) (F&I) (Sta 1237+45, 51' LT and 1238+50, 31' LT per WUD detail 19W)	EA	2
92	Flow Meter Box - Adjust Top to Finished Grade	LS	1
93	Remove & Dispose of Concrete Pole	EA	1
94	Bacteriological Testing of WM after deflection	LS	1
95	Record Drawing	LS	1

CONTINGENCY ITEMS OF WORK		
96	Flowable Fill - Excavatable	CY 100
97	Class I Concrete (Miscellaneous)	CY 100
98	Support and Protect Utility Poles	EA 10
99	Support and Protect Underground Pipelines & Conduits	LF 200
100	Storm Sewer Cleaning (24" or less)	LF 4,757
101	Storm Sewer Cleaning (>24")	LF 1,947
102	Temporary Fence	LF 1,000
103	Traffic Control Officer (NON MOT)	MH 80
104	Changeable (Variable Message) Sign (NON MOT)	ED 30
105	Premium for Conflict Conditions	EA 1
City of West Palm Beach Items		
106	CWPB - 38" RWM Conflict Structure	EA 1
107	CWPB - 24" DIP WM Conflict Structure	EA 1
108	CWPB - Relocate Power Pole	EA 2
109	Adjust Water Valve Boxes	EA 16
110	Adjust Water Meter Boxes	EA 1
111	Adjust Backflow Devices	EA 1
112	Adjust Utility Manhole Tops	EA 6
Palm Beach County Water Utilities Items		
113	Deflect Exst 16" DIP WM under Pond w/DIP as needed for 3' Cover (Fillings & Restraints Incl.) (F&I) (Deflect WM ONLY in case of field issues per WUD detail 19W from Sta 1198+25 to Sta 1199+58)	LF 331

SUMMARY OF EARTHWORK	
DESCRIPTION	VOLUME (CY)
EXCAVATION	16207
EMBANKMENT	3630

PAY ITEM FOOTNOTES

ALL PAY ITEMS TO ADHERE TO THE FDOT DESIGN STANDARDS (2016 EDITION) AND PALM BEACH COUNTY CONSTRUCTION STANDARDS. SEE PROJECT TECHNICAL SPECIFICATIONS FOR FURTHER MEASUREMENT AND PAYMENT PROVISIONS.

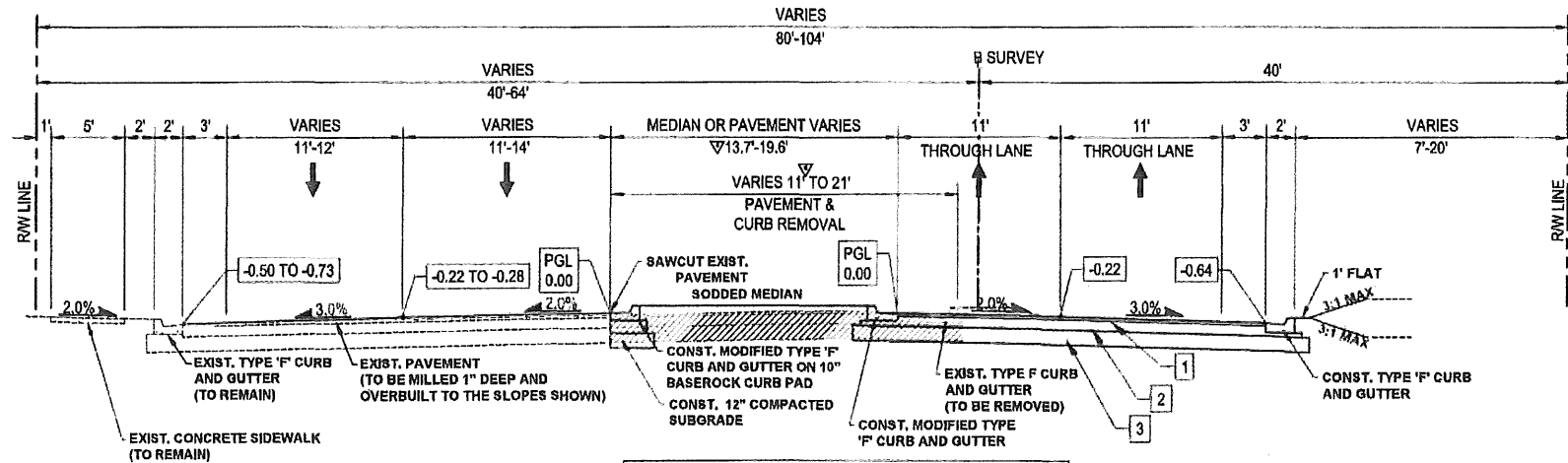
ITEM NO. 47: TYPE "F" CURB AND GUTTER SHALL INCLUDE THE COST OF BASE MATERIAL INSTALLATION FOR THE CURB PAD.

SCALE: AS SHOWN
 FIELD: ---
 FLORIDA E.R. NO. 48
 FLORIDA L.B. NO. 48
MOCK ROOS
 ENGINEERS & ARCHITECTS
 6720 Corporate Way, West Palm Beach, Florida 33409 (561) 843-3113, Fax 478-2248
 PROJECT NO. B0013.00
 DRAWING NO. 43-42-11-38

NO.	REVISION	BY	DATE

PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 R.G. P.O. BOX 2 WEST PALM BEACH, FLORIDA

SUMMARY OF QUANTITIES
 ROEBUCK ROAD IMPROVEMENTS
 FLORIDA'S TURNPIKE TO
 EAST OF HAVERHILL ROAD
 PALM BEACH COUNTY, FLORIDA
 SHEET: 4
 OF: 118
 PROJECT NO. 2013529
 DRAWING NO. 43-42-11-38



MILLING AND OVERBUILD SECTION:

1. MILL APPROXIMATELY 1" OF ASPHALT FROM THE EXISTING PAVEMENT THAT IS TO REMAIN.
2. CONSTRUCT OVERBUILD TO THE CROSS SLOPES SHOWN WITH TYPE SP (TRAFFIC LEVEL C) ASPHALTIC CONCRETE (INC. PRIME COAT).
3. CONSTRUCT 1" FC-9.5 ASPHALTIC CONCRETE (INC. TACK COAT).

TYPICAL PAVEMENT SECTION:

1. CONSTRUCT 1" TYPE FC-9.5 ASPHALTIC CONCRETE (INC. TACK COAT) OVER 1-1/2" TYPE SP (TRAFFIC LEVEL C) ASPHALTIC CONCRETE (INC. PRIME COAT).
2. CONSTRUCT 8" BASEROCK (2 LIFTS - MIN. LBR 100).
3. CONSTRUCT 12" STABILIZED SUBGRADE (MIN. LBR = 40).

ALTERNATE BASE COURSES (AT NO ADDITIONAL COST TO PALM BEACH COUNTY):

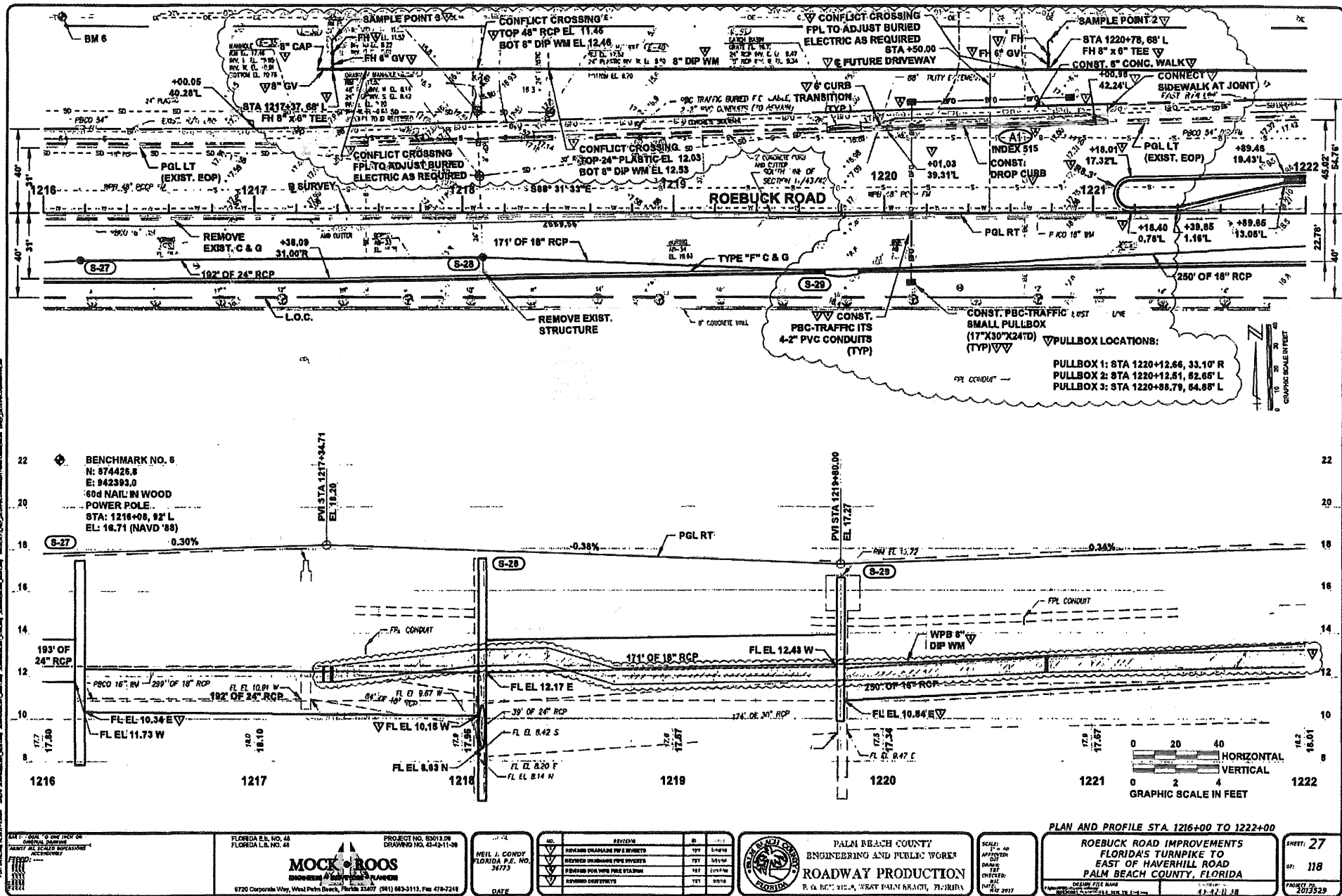
- A. CONSTRUCT 13-1/2" BASEROCK (3 COURSES - MIN. LBR 100) (INC. PRIME COAT) OVER 12" SUBGRADE COMPACTED TO 98% OF AASHTO T-180.
- B. CONSTRUCT 8" ABC-3 (INC. PRIME COAT) OVER 12" SUBGRADE COMPACTED TO 98% OF AASHTO T-180.

NOTE: COMPACT STABILIZED SUBGRADE AND ROCK BASE TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T-180

NOTE:
 MEDIAN STARTS STA 1221+10 ±
 MEDIAN ENDS STA 1224+70 ±

**ROEBUCK ROAD
 PROPOSED TYPICAL SECTION
 STA. 1217+35.87 (WEST OF PARADISE PLACE)
 TO STA. 1224+69.47 (PARADISE PLACE WEST DRIVEWAY)
 DESIGN SPEED: 40 MPH**

SCALE: 1" = 20' APPROVED: [Signature] DATE: MAY 2017	TYPICAL SECTIONS ROEBUCK ROAD IMPROVEMENTS FLORIDA'S TURNPIKE TO EAST OF HAVERHILL ROAD PALM BEACH COUNTY, FLORIDA		SHEET: 6 OF: 118 PROJECT NO: 2013229
	PROJECT NO. 2013-01 DRAWING NO. 43-42-11-38 MOCK ROOS ENGINEERS & ARCHITECTS 5720 Corporate Way, West Palm Beach, Florida 33407 (561) 883-3113, Fax 478-7248		NEIL J. CONDY FLORIDA P.E. NO. 36773 DATE:



6

DATE: 05/11/2017
 DRAWN BY: J. J. ROOS
 CHECKED BY: J. J. ROOS
 PROJECT NO. 83013.01
 DRAWING NO. 83-211-39

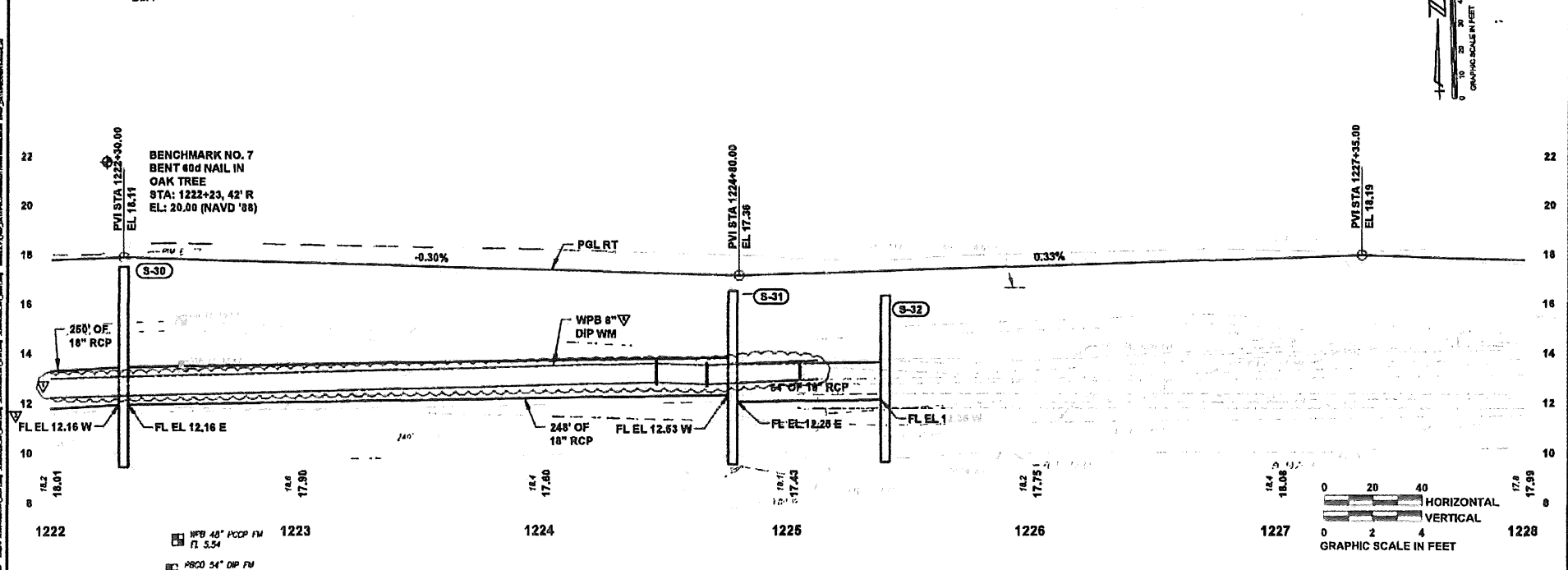
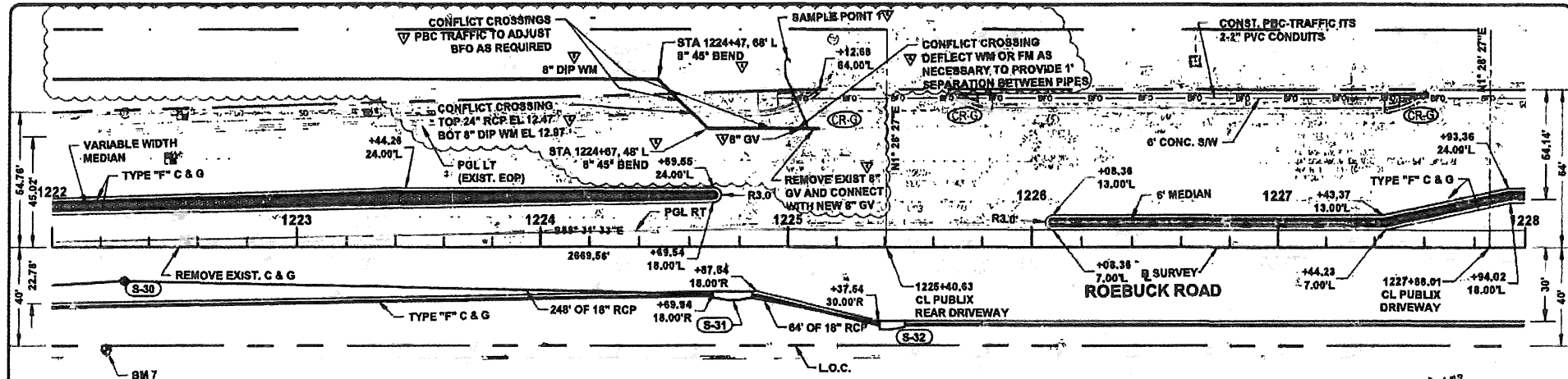
FLORIDA E.L. NO. 44
 FLORIDA L.E. NO. 44
MOCK ROOS
 ENGINEERS & ARCHITECTS
 6720 Corporate Way, West Palm Beach, Florida 33411 (561) 683-3113, Fax 478-7214

NO.	REVISION	BY	DATE
1	REVISED DIMENSIONS FOR PERMITS	JJR	5/11/17
2	REVISED DIMENSIONS FOR PERMITS	JJR	5/11/17
3	REVISED FOR VPI FILE STATION	JJR	5/11/17
4	REVISED DIMENSIONS	JJR	5/11/17

PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 P. O. BOX 1024, WEST PALM BEACH, FLORIDA

PLAN AND PROFILE STA. 1216+00 TO 1222+00
ROEBUCK ROAD IMPROVEMENTS
 FLORIDA'S TURNPIKE TO
 EAST OF HAVERHILL ROAD
 PALM BEACH COUNTY, FLORIDA

SHEET: 27
 OF: 118
 DRAWN FILE NAME: 83-211-39-11-17.dwg
 DATE: 11-17-17



10

PLAN AND PROFILE STA. 1222+00 TO 1228+00

ROEBUCK ROAD IMPROVEMENTS
 FLORIDA'S TURNPIKE TO
 EAST OF HAVERHILL ROAD
 PALM BEACH COUNTY, FLORIDA

PROJECT NO. 2013529

DATE: 11/18/13

SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 4'

GRAPHIC SCALE IN FEET

MOCK ROOS ENGINEERING & PUBLIC WORKS
 8720 Corporate Way, West Palm Beach, Florida 33417 (888) 885-3115, Fax 408-7246

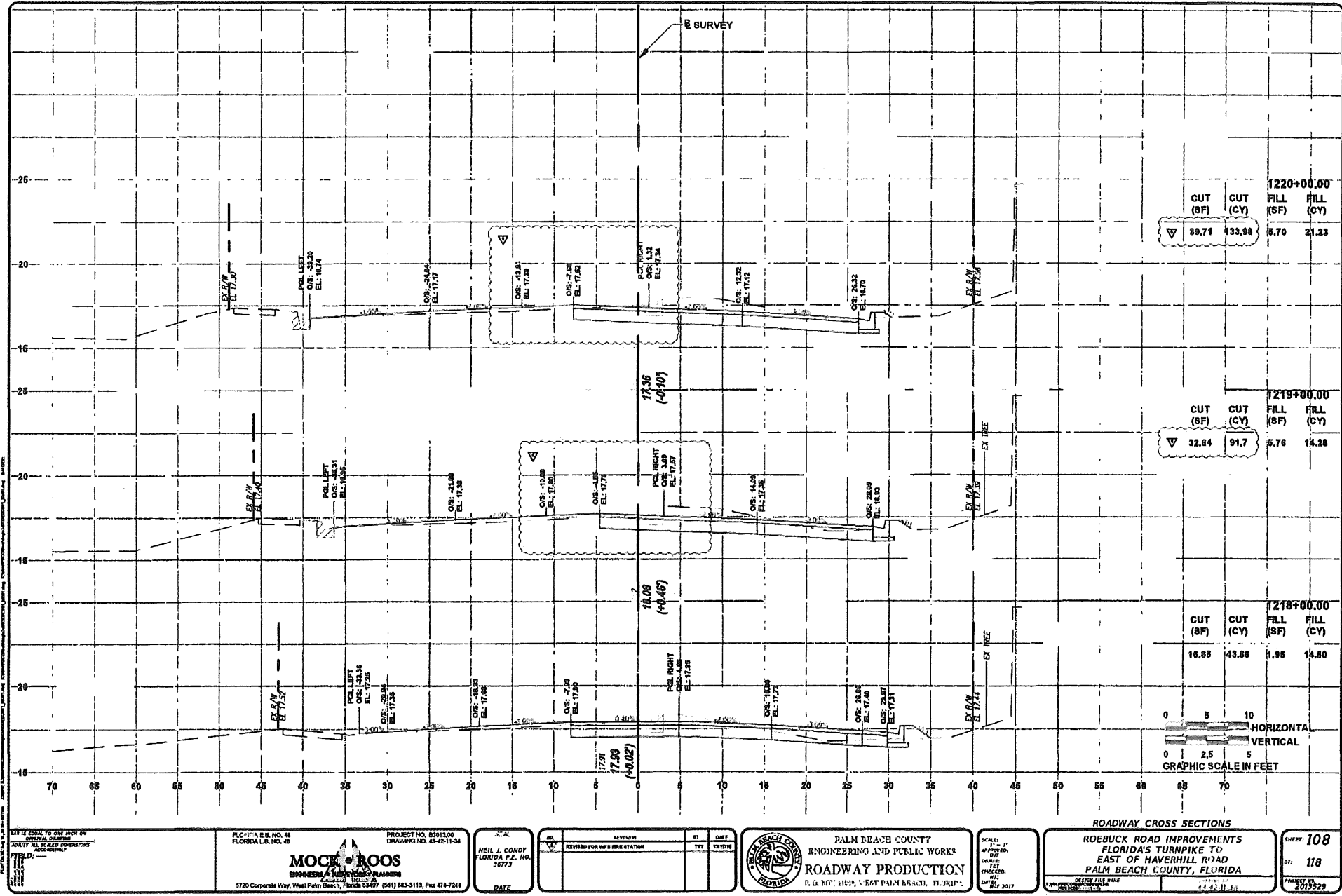
PROJECT NO. 03618.00
 DRAWING NO. 43-211-39

REV. J. CONDY
 FLORIDA P.E. NO. 36773

NO.	REVISION	DATE
1	ISSUED FOR PERMITS	11/18/13
2	ISSUED FOR PIPE STATION	12/17/13

DATE: 11/18/13

11



NOT TO SCALE TO ANY PORTION OF ORIGINAL DRAWING. VERIFY ALL DIMENSIONS AND ACCURACIES.

FLORIDA REG. NO. 41
 FLORIDA L.E. NO. 41

PROJECT NO. 03013.00
 DRAWING NO. 45-42-11-34

MOCK ROOS
 ENGINEERS & ARCHITECTS
 5720 Corporate Way, West Palm Beach, Florida 33407 (561) 843-3115, Fax 474-7244

DATE

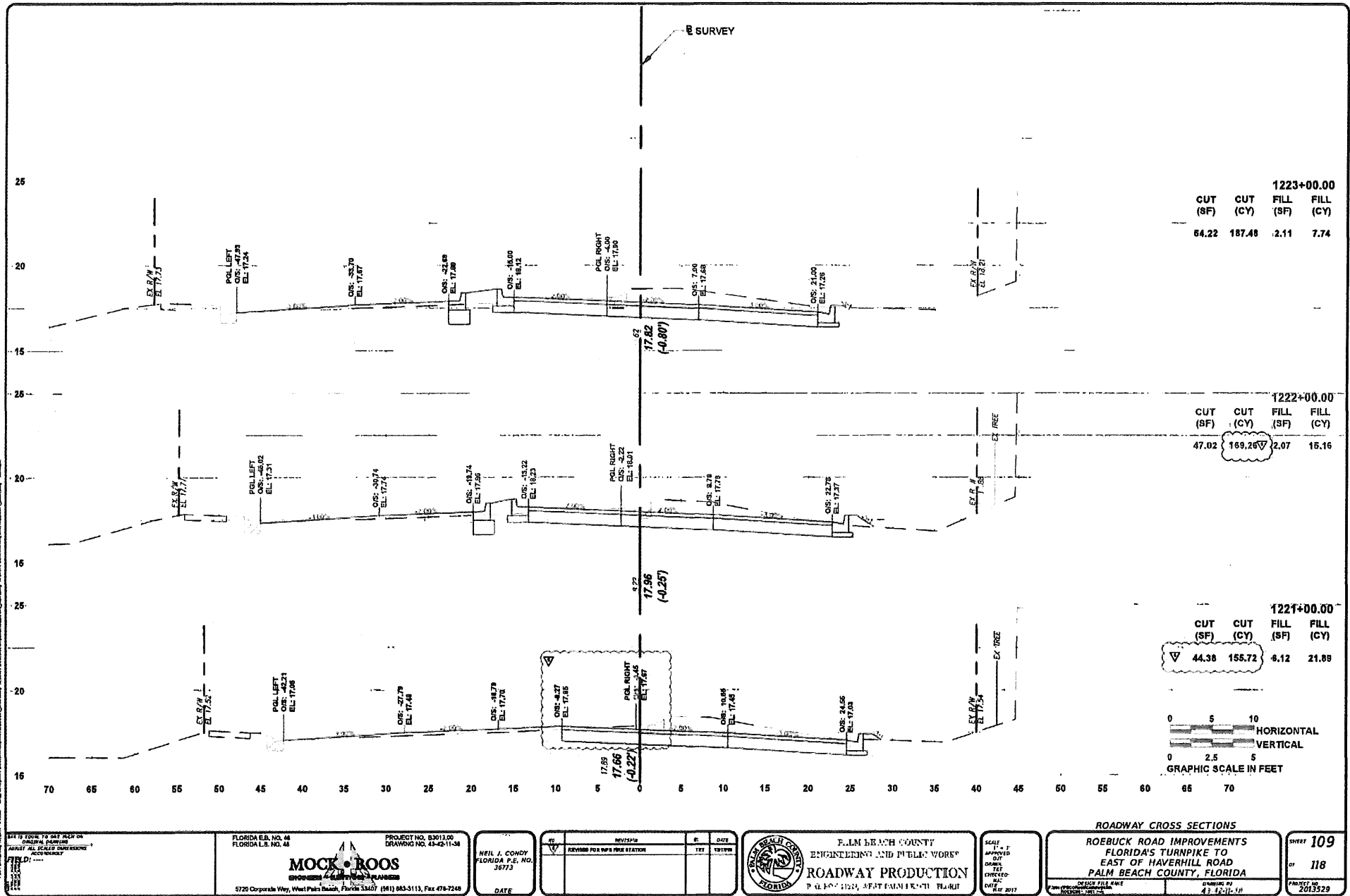
NO.	REVISION	BY	DATE
1	ISSUED FOR PERMITS	TET	12/17/18

PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 P.O. BOX 2149, WEST PALM BEACH, FLORIDA

SCALE: 1" = 4'
 DATE: 12/17/18
 DRAWN BY: TET
 CHECKED BY: JIC
 DATE: 12/17/18

ROADWAY CROSS SECTIONS
 ROEBUCK ROAD IMPROVEMENTS
 FLORIDA'S TURNPIKE TO
 EAST OF HAVERHILL ROAD
 PALM BEACH COUNTY, FLORIDA

SHEET: 108
 OF: 118
 PROJECT NO. 2015329



SEE IT FROM TO DAY AND ON ORIGINAL PLANS
 VERIFY ALL SCALE DIMENSIONS ACCURATELY
 DATE: _____

FLORIDA E.C. NO. 46
 FLORIDA L.B. NO. 46
MOCK ROOS
 ENGINEERS & SURVEYORS
 5720 Corporate Way, West Palm Beach, Florida 33407 (561) 863-3113, Fax 478-7248

PROJECT NO. B3013.00
 DRAWING NO. 43-42-11-34
 NEIL J. CONDY
 FLORIDA P.E. NO. 36773
 DATE: _____

NO.	REVISION	BY	DATE

PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 P. O. BOX 11213, WEST PALM BEACH, FLORIDA

SCALE: 1" = 1'
 APPROVED
 DATE: _____
 CHECKED
 DATE: _____
 DRAWN BY

DESIGN FILE #47
 DRAWING NO. 43-42-11-10
 PROJECT NO. 2013529

SHEET 109
 OF 118
 PROJECT NO. 2013529



Bid Proposal for WPB FIRE STATION ROEBUCK

CUSTOMER

JOHNSON-DAVIS INC
STOCK-WEST PALM
604 HILLBRATH DR
LANTANA, FL 33462

Job
WPB FIRE STATION ROEBUCK
Bid Date: 04/12/2019
Bid #: 900514

CONTACT

Sales Representative
Jim Amsler
(M) 561-513-2028
(T) 561-848-4396
(F) 561-845-7267
jim.amsler@coreandmain.com

Core & Main
1101 W 17th St
Riviera Beach, FL 33404
(T) 561-848-4396

NOTES



Bid Proposal for WPB FIRE STATION ROEBUCK

JOHNSON-DAVIS INC
 Bid Date: 04/12/2019
 Core & Main 900514

Core & Main
 1101 W 17th St
 Riviera Beach, FL 33404
 Phone: 561-848-4396
 Fax: 561-845-7267

Seq#	Qty	Description	Units	Price	Ext Price
BID ITEM #78 - 8" DIP WM					
30	800	8 TJ CL52 DI PIPE	FT	21.75	17,400.00
40	10	8 TJ FIELD LOK 350 GASKET SBR	EA	95.00	950.00
50	1	6X1000' DETECTO TAPE-WATER DT6BW	RL	55.00	55.00
60	2	1 GAL INDURON AQUANAUT 5082 ALASKAN BLUE GLOSS ENAMEL	EA	50.00	100.00
70	12	LUBE 1 QT F/WATER/SWR PIPE	EA	N/C	N/C
90	1	8 MJ CAP C153 IMP	EA	45.00	45.00
100	2	8 MJ 45 C153 IMP	EA	80.00	160.00
110	5	8 3008 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP08	EA	34.00	170.00
120	5	8 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	14.00	70.00
130	3	1257 EMS MID-RANGE MARKER-WTR	EA	14.00	42.00
SUBTOTAL					18,992.00
BID ITEM #79 - 8" MJ GATE VALVE					
150	2	8 F6100 MJ RW GV OL ON L/ACC CLOW GATE VALVE EPOXY COATED W/STAINLESS STEEL BOLTS & NUTS	EA	700.00	1,400.00
170	4	8 3008 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP08	EA	34.00	136.00
180	4	8 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	14.00	56.00
190	2	461-S VALVE BOX L/LID DOM 10T, 15B, NO LID	EA	95.00	190.00
200	2	5-1/4 DOM LOCKING WATER LID	EA	25.00	50.00
210	2	BRZ DISC F/8" VLV M/WPB FOR CITY OF WEST PALM BEACH	EA	15.00	30.00
220	2	DC457 DEBRIS CAP-BLUE	EA	55.00	110.00
SUBTOTAL					1,972.00
Average price per				EA	986.00
BID ITEM #80 - FIRE HYDRANT					
240	2	8X6 MJ TEE C153 IMP	EA	125.00	250.00
260	4	8 3008 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP08	EA	34.00	136.00
270	4	8 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	14.00	56.00
280	2	6 3006 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP06	EA	22.00	44.00
290	2	6 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	12.00	24.00
300	2	1257 EMS MID-RANGE MARKER-WTR	EA	14.00	28.00
320	2	6 F6100 MJ RW GV OL ON L/ACC CLOW GATE VALVE EPOXY COATED W/STAINLESS STEEL BOLTS & NUTS	EA	450.00	900.00
330	4	6 3006 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP06	EA	22.00	88.00
340	4	6 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	12.00	48.00
350	2	461-S VALVE BOX L/LID DOM 10T, 15B, NO LID	EA	95.00	190.00
360	2	5-1/4 DOM LOCKING WATER LID	EA	25.00	50.00
370	2	BRZ DISC F/6" VLV M/WPB F/ CITY OF WEST PALM BEACH	EA	15.00	30.00
380	2	DC457 DEBRIS CAP-BLUE	EA	55.00	110.00
400	2	6 3006 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP06	EA	22.00	44.00
410	2	6 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	12.00	24.00
420	2	5-1/4 MED HYD 4'0" MJ 6" SHOE C/O WEST PALM BCH SPEC SILVER	EA	1,525.00	3,050.00

04/14/2019 - 7:32 PM

Actual taxes may vary

Page 2 of 3



Bid Proposal for WPB FIRE STATION ROEBUCK

Bid #: 900514

Seq#	Qty	Description	Units	Price	Ext Price
440	20	6 TJ CL52 DI PIPE	FT	16.00	320.00
				SUBTOTAL	5,392.00
460	BID ITEM #81 - SAMPLE POINTS				
470	2	2-1/2 NPT X 3/4 FIP PLAS HYD ADAPTER	EA	15.00	30.00
480	6	3/4 PVC SCH40 MALE ADPT HXMIPT 436-007	EA	0.25	1.50
490	2	3/4 G100 BRONZE BALL VALVE NL NO LEAD	EA	6.50	13.00
500	6	3/4 PVC SCH40 90 HXH 406-007	EA	0.25	1.50
510	20	3/4 SCH40 PVC PIPE SWB WHT 20'	FT	0.25	5.00
530	1	202B-962-CC4 8X1 CC BRS SAD D/S OD 9.05-9.62	EA	135.00	135.00
540	1	FB1600-4NL 1 BALLCORP CCXFIP	EA	55.00	55.00
550	3	1 SCH40 M ADP HXMIPT 436-010	EA	0.30	0.90
560	20	1X20' PVC SCH40 PIPE SWB SOLVENT WELD BELL	FT	0.30	6.00
570	1	1 G100 BRONZE BALL VALVE NL NO LEAD	EA	10.00	10.00
580	3	1 PVC SCH40 90 HXH 406-010	EA	0.40	1.20
				SUBTOTAL	259.10
				Average price per	EA 86.37
600	BID ITEM #83 - CONNECT TO EXISTING				
610	1	8 MJ L/P SLV C153 IMP	EA	100.00	100.00
620	2	8 3008 DI STARGRIP RESTRAINT GLAND ONLY IMPORT SGDP08	EA	34.00	68.00
630	2	8 MJ REGULAR ACC SET L/GLAND (LESS GLAND)	EA	14.00	28.00
640	1	1257 EMS MID-RANGE MARKER-WTR	EA	14.00	14.00
				SUBTOTAL	210.00
				SUBTOTAL	26,825.10
				Sub Total	26,825.10
				Tax	0.00
				Total	26,825.10

Branch Terms:

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES UPON THIRTY (30) CALENDAR DAYS' NOTICE TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT: <https://coreandmain.com/TandC/>

Fine-Line Striping, Inc.

4915 Georgia Ave
West Palm Beach, FL 33405

Estimate

Date	Estimate No.
11/7/2019	19-0883

COMPETENCY LICENSE CERTIFICATES

PALM BEACH COUNTY # U-21886
BROWARD COUNTY # 13-3F 18676

Hardrives of Delray, Inc.
2101 South Congress Avenue
Delray Beach, Florida 33445
Attn. Bill

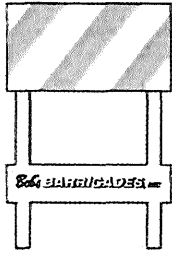
Description	Project			
	Unit	Qty	Rate	Total
Future Fire Sta C/O on Rosbuck Rd				
Change Order for future Fire Station on Roebuck Rd.				
Materials	LS	1	2,450.00	2,450.00
Labor	LS	1	2,200.00	2,200.00
Total				\$4,650.00

Contract must be executed no later than 6 months from estimate date for quote to be valid.

Phone #	Fax #	E-mail
561-586-8115	561-586-8158	Amyfinelinstriping@yahoo.com

Rep: ART

Thank you for the opportunity to bid this project.



Bob's BARRICADES, INC.

750 SW 17th Avenue
Delray Beach, FL 33444
561-272-8487

October 29, 2019

Hardrives Inc.
Attn: Bill Stellway

Re: Roebuck Rd. MOT

Current "on site" quantities:

1 Crash Attenuator	@ \$0 *	
237 Plastic Barrels	@ \$0.14 ED	\$33.18
86 Misc. Signs	@ \$0.24 ED	\$20.64
20 Type B Lights	@ \$0.15 ED	\$3.00
5 Type III Barricades	@ \$0.28 ED	\$1.40
1 Arrow Board	@ \$6.00 ED	\$6.00
12 LCD Barricades	@ \$0.35 ED	\$4.20
Daily Maintenance check	@ \$75.00 ED	<u>\$75.00</u>
		\$143.42 / Day

*Unless, relocated @ \$990.00

60 Day Estimate: \$8,605.20 plus tax



560 NW Enterprise Drive
 Port St. Lucie, FL 34986
 Phone: 1-772-340-7474
 Fax: 1-772-323-2005

Date: 6/20/2019
 Project #: Roebuck and Haverhill
 Location: Roebuck and Haverhill - Firre Station
 COP #: CO 05
 Description: Fire Station
 Job # : R1247

Labor	Rate	Hours	Burden	Markup	Total
Forman	\$ 21.00	16.0	42.5%	10.0%	\$ 526.68
Skilled Labor	\$ 16.00	16.0	42.5%	10.0%	\$ 401.28
Skilled Labor	\$ 16.00	16.0	42.5%	10.0%	\$ 401.28
		0.0	42.5%	10.0%	\$ -
	\$ -	0.0	42.5%	10.0%	\$ -
	\$ -	0.0	42.5%	10.0%	\$ -
TOTAL:					\$ 1,329.24

Equipment	Rate	Hours	Subtotal	Markup	Total
Flatbed	\$ 26.67	16	\$ 426.72	10.0%	\$ 469.39
Mini-Ex	\$ 15.17	16	\$ 242.72	10.0%	\$ 266.99
	\$ -	0	\$ -	10.0%	\$ -
	\$ -	0	\$ -	10.0%	\$ -
	\$ -	0	\$ -	10.0%	\$ -
	\$ -	0	\$ -	10	\$ -
TOTAL:					\$ 736.38

Material	Cost	Units	Subtotal	Markup	Total
17" x 30" x 24" "Traffic ITS" Pull Box	\$ 227.97	3	\$ 683.91	10.0%	\$ 752.30
HDPE 2" Conduit	\$ 0.84	720	\$ 604.80	10.0%	\$ 665.28
2" E-Lock Couplings	\$ 6.67	16	\$ 106.72	10.0%	\$ 117.39
2" PVC Couplings	\$ 0.28	16	\$ 4.48	10.0%	\$ 4.93
2" PVC 90's Sweep	\$ 1.10	16	\$ 17.60	10.0%	\$ 19.36
Class NS Concrete 3 yards (minimum order)	\$ 118.00	3	\$ 354.00	10.0%	\$ 389.40
Short Load	\$ 200.00	1	\$ 200.00	10.0%	\$ 220.00
5/8 x 10' ground rod	\$ 13.50	6	\$ 81.00	10.0%	\$ 89.10
5/8" ground rod coupling	\$ 6.50	3	\$ 19.50	10.0%	\$ 21.45
5lb Duck Seal	\$ 6.75	1	\$ 6.75	10.0%	\$ 7.43
	\$ -	0	\$ -	10.0%	\$ -
	\$ -	0	\$ -	10.0%	\$ -
TOTAL:					\$ 2,286.64

Subcontractor	Cost	Unit	Subtotal	Markup	Total
Directional Bore Sub	\$ 4,800.00	1	\$ 4,800.00	10.0%	\$ 5,280.00
		0	\$ -	10.0%	\$ -
		0	\$ -	10.0%	\$ -
		0	\$ -	10.0%	\$ -
		0	\$ -	10.0%	\$ -
TOTAL:					\$ 5,280.00

Subtotal for above: \$ 9,632.26
 6.5% Taxes on Materials: \$ 135.12
 Subtotal with Taxes: \$ 9,767.38
 0.0% Additional to P/P Bond \$ -
Total Cost to Complete: \$ 9,767.38

From: [Kimberly Morrell](#)
To: [Jake Ridinger](#)
Subject: Re: Roebuck and Haverhill
Date: Thursday, June 20, 2019 11:43:13 AM

It would be minimum charge of \$4800.00

Kim Morrell
Quality Underground Services
561-293-1181

On Jun 20, 2019, at 11:41 AM, Jake Ridinger <jridinger@gerelco.com> wrote:

4-2"

Jake Ridinger
Project Manager
Gerelco Traffic Controls, Inc.
Mobile: (772) 201-1621
Email: JRidinger@Gerelco.com

From: Kimberly Morrell [<mailto:kim.qualityunderground@gmail.com>]
Sent: Thursday, June 20, 2019 11:41 AM
To: Jake Ridinger <jridinger@gerelco.com>
Subject: Re: Roebuck and Haverhill

How many pipes

Kim Morrell
Quality Underground Services
561-293-1181

On Jun 20, 2019, at 11:29 AM, Jake Ridinger <jridinger@gerelco.com> wrote:

Palm Beach County has added 135' of additional bore to our Roebuck and Haverhill project. Please provide a quote and/or you minimum daily rate to install the conduit shown in the attached plan sheet. Shot is located just west of the Publix entrance where you already shot a bore for us on this project. I am not sure if the driveway has been installed or not but figure on shooting the east to west short shot along with the north and south shot to cross Roebuck Rd.

Work is shown on sheet 5 of 8 (highlighted).

Jake Ridinger
Project Manager

PURCHASE ORDER

GERELCO TRAFFIC CONTROLS INC

560 NW ENTERPRISE DRIVE
PORT ST LUCIE FL 34986

772-340-7474

P.O. NUMBER	R1247-007
COMMIT. DATE	5/14/2018
JOB NUMBER	R-1247
VENDOR	TORRES ELECTRICAL SUPP
PRINT DATE	5/14/2018

TO: TORRES ELECTRICAL SUPPLY CO.
PO BOX 1908
3190 DOMINICA TERRACE
STUART FL 34995

SHIP TO: Roebuck Rd
GERELCO TRAFFIC CONTROLS, INC
560 NW ENTERPRISE DRIVE
PORT ST LUCIE FL 34986

ORDERED BY		TERMS	SHIP VIA	F.O.B.	
JAKE		0	BEST WAY	PORT ST LUCIE WAREH	
QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT	TAX
10.00	AS	635-2-11 - Pull Box 17"x30"24" "TRAFFIC ITS" LOGO	227.97	2,279.70	148.18
4.00	AS	635-2-13 - PULL AND SPLICE BOXES (F&I) (30" X 48" X 24") "TRAFFIC ITS" LOGO 2 SPLIT LIDS	585.31	2,341.24	152.18
8.00	AS	635-2-11 - Pull Box 17"x30"12" "TRAFFIC" LOGO	169.98	1,359.84	88.39
		* PER MAY 14, 2018 QUOTE FOB PORT ST LUCIE WAREHOUSE	0.00	0.00	0.00
		*	0.00	0.00	0.00

TOTAL INCLUDING TAX 6,369.53

BY: _____

PURCHASE ORDER

GERELCO TRAFFIC CONTROLS INC

560 NW ENTERPRISE DRIVE
PORT ST LUCIE FL 34986

772-340-7474

P.O. NUMBER	R1247-008
COMMIT. DATE	8/30/2018
JOB NUMBER	R-1247
VENDOR	GLD GROUP
PRINT DATE	8/30/2018

TO: GLD GROUP
MBANK
PO BOX 1574
BIRMINGHAM MI 48012

SHIP TO: Roebuck Rd
GERELCO TRAFFIC CONTROLS, INC
560 NW ENTERPRISE DRIVE
PORT ST LUCIE FL 34986

ORDERED BY		TERMS	SHIP VIA	F.O.B.	
JAKE		0	BEST WAY	PORT ST LUCIE	
QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT	TAX
2,000.00	LF	630-2-12 - 4-2" DIRECTIONAL BORE 2" SDR 11 HDPE ROLL PIPE PER QUOTE 00108439	0.84	1,680.00	109.20
		*	0.00	0.00	0.00
		PLEASE DELIVER THE PIPE ON A 4000LF REEL TO THE PORT ST LUCIE YARD DO NOT CUT THE REEL	0.00	0.00	0.00
		*	0.00	0.00	0.00

TOTAL INCLUDING TAX 1,789.20

BY: _____

PURCHASE ORDER

GERELCO TRAFFIC CONTROLS INC
 560 NW ENTERPRISE DRIVE
 PORT ST LUCIE FL 34986

772-340-7474

P.O. NUMBER	R1247-016
COMMIT. DATE	10/12/2018
JOB NUMBER	R-1247
VENDOR	TORRES ELECTRICAL SUPP
PRINT DATE	10/12/2018

TO: TORRES ELECTRICAL SUPPLY CO.
 PO BOX 1908
 3190 DOMINICA TERRACE
 STUART FL 34995

SHIP TO: Roebuck Rd
 GERELCO TRAFFIC CONTROLS, INC
 560 NW ENTERPRISE DRIVE
 PORT ST LUCIE FL 34986

ORDERED BY		TERMS	SHIP VIA	F.O.B.	
JAKE		0	YOUR TRUCK	PORT ST LUCIE	
QUANTITY	UOM	DESCRIPTION	UNIT PRICE	AMOUNT	TAX
150.00	EA	630-2-11 - 2" PVC 90S SCH 40	1.10	165.00	10.73
50.00	EA	630-2-11 - 2" PVC SCH 40 ELOCS	6.67	333.50	21.68
300.00	EA	630-2-11 - 2" PVC COUPLINGS PVC SCH 40	0.28	84.00	5.46
10.00	EA	649-31-108 - P&S FC075-OF STRAIN RELIEF	17.66	176.60	11.48
50.00	EA	630-2-12 - 2" PVC 45 SCH 40	1.01	50.50	3.28
50.00	FT	630-2-14 - 2" RIGID PIPE	5.54	277.00	18.01
30.00	LB	635-2-11 5 lb Duct Seal	6.75	202.50	13.16
20.00	LB	635-2-13 5 lb Duct Seal	6.75	135.00	8.78
		*	0.00	0.00	0.00

TOTAL INCLUDING TAX

1,516.68

BY: _____

2021- _____

**BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY
BUDGET Amendment**

FUND Road Program Impact Fees Zone-2

BGRV 070620*0507
BGEX 070620*1591

ACCOUNT NUMBER	ACCOUNT NAME	ORIGINAL BUDGET	CURRENT BUDGET	INCREASE	DECREASE	ADJUSTED BUDGET	EXPENDED/ ENCUMBERED AS OF 10/30/20	REMAINING BALANCE
REVENUES								
Roebuck Rd/Jog Rd to Haverhill Rd								
3502-361-1391-6948	Utility Relocation Reimbursements	275,812	275,812	2,003	0	277,815		
TOTAL RECEIPTS & BALANCES		65,641,034	65,501,050	2,003	0	65,503,053		
EXPENDITURES								
Roebuck Rd/Jog Rd to Haverhill Rd								
3502-361-1391-8101	Contributions Other Governmental Agencies	119,735	119,735	2,003	0	121,738	98,325	23,413
TOTAL APPROPRIATIONS & EXPENDITURES		65,641,034	65,501,050	2,003	0	65,503,053		

Engineering & Public Works

Administration / Budget Approval

OFMB Department – Posted

SIGNATURE

DATE

10/30/20

By Board of County Commissioners
At Meeting of December 8, 2020

Deputy Clerk to the
Board of County Commissioners