

ADDENDUM #2

North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11
Bid No. 14-0030

This addendum is being issued to make the following changes, corrections, clarifications and additions to the bidding document. The information in this addendum modifies and changes the original bidding documents and takes precedence over the original documents. **Receipt of this addendum shall be acknowledged by the bidder by signing and dating the appropriate line on page W-10 of the bid proposal.** Failure to acknowledge this addendum may preclude consideration of the bid proposal for award.

Included as part of this addendum are **revised** construction plan sheets 11-15 and 22-26 of the North Hancock Road Extension at Turnpike Interchange plans that addresses the connection to the future turnpike interchange project from STA 263+80 to STA 269+58.61. Bid to stripe this portion of the project consistent with current FDOT specifications and remainder of project. **Bidders shall utilize these revised sheets in developing their bid.**

All proposed work from STA 268+02.20 to STA 269+58.61 will depend on the construction of the turnpike interchange project. Lake County may elect not to construct this proposed work and shall process a deductive change order for work from STA 268+02.20 to STA 269+58.61.

Updated information regarding the Notice to Proceed: As stated in Addendum #1, the Notice to Proceed for this project will be issued as soon as possible following the project award. It is Lake County's intention for work to begin on November 1, 2014 **for the Phase IIIA portion of the project only.** The Notice to Proceed for work covered from STA 254+00 to STA 268+02.20 will be provided within six (6) months after the Notice to Proceed for Phase IIIA is issued. Bidders are to plan their work accordingly to accommodate this schedule.

Lake County will extend the question period until Friday September 5, 2014 at 5:00 p.m.

Questions and Answers:

Q1. Sheet S-3 Detail B/S-3 The Dowel #7 at 6" EF (The spacing does not match the #7 Vert. at 12" and is called to be at each face but, there are Dowel #6 at 18"). The same detail calls for a #8 at 12" Top and the bid tab has no line item for #8 rebar. Please clarify this reinforcement for the retaining wall.

A1. Sheet S-3 Detail B/S-3 shows #7 dowels at 6" each face (EF), these dowels should be on the inside or soil face only. The #7 Vert at 12" are tied to alternating #7 dowels. Contractor should add "Special Retaining Wall- #8 reinforcing bar" to their bid tabulation sheet in the blank spaces provided on sheet W-7.

Q2. Are cad files available for the North Hancock Road Extension project that is currently out for bid?

A2. The cad files can be located at the following link:

ftp://ftp.co.lake.fl.us/Public_Works/Engineering/N.%20Hancock%20Road%20For%20BID/N.%20Hancock%20ext.%20LCPW%20addendum2.pdf

Q3. Can you provide the bid sheets in Excel?

A3. Yes. An Excel version can be located at the following link:

ftp://ftp.co.lake.fl.us/Public_Works/Engineering/N.%20Hancock%20Road%20For%20BID/

Q4. Please provide a temporary pavement detail or specify asphalt/base thickness & type to be used.

A4. Contractor shall be responsible for designing the temporary pavement section to support the traffic (bus traffic included) for the period of use. Maintaining the temporary pavement shall be an inclusion into the contractor's MOT.

Q5. Missing Traffic Control Plan Sheets for Phase 1B and 2 for Station 214+00 to 225+00

A5. This area is all new construction through undeveloped land and plan sheets are not necessary.

Q6. Retaining wall detail on Sheet 16 says to be by other, please confirm contractor is to include retaining walls in their bid.

A6. Bidders are to include retaining walls in their plans. See constructing plans provided by Southeast Structural Engineers included in the bid documents.

Q7. Existing Home (no. 14045) at approx. station 228+00 , existing driveway being removed for new roadway construction. However, no new driveway is shown on plans is this home to be demolished?

A7. This structure has been demolished by Lake County.

Q8. Please provide a detail for the construction of asphalt driveways.

A8. See attached "Standard A" driveway detail.

Q9. Please confirm no overbuilding of asphalt pavement will be required due to the revised milling and resurfacing as stated in Addendum #1.

A9. The milling recommendations are minimum recommendations at the low point for profile milling of the roadway. It is anticipated that no overbuild would be required.

Q10. When and how long will the demo and construction of the Lake Apopka gas main be underway?

A10. There is a 2" gas line that will be lowered by Lake Apopka Gas during construction. It is the responsibility of the contractor to coordinate all relocation work.

Q11. SECO power lines and poles to be removed and relocated by the utility agency and not by the contractor?

A11. Contractor is responsible for the coordination of utility relocation work with SECO.

Q12. Please consider adding the following Bid Items for Phase 3A which don't appear to have a line item; 1.5" Milling, 2.5" Milling, 1" Type FC-9.5, 1.5" Type FC-9.5, 1.5" Type, FC-12.5, 1.5" Type SP-12.5, 5" Type B-12.5, 9.5" Type B-12.5, Drop Curb, Barrier Wall, Rigid (C&G) (non-inlet)

A12. Please see updated Division W of the bidding document.

Q13. Bid Item on Phase 3A #6 and #20 are duplicates for 4' Traffic Separator, same issue on Phase 3B bid form Bid Items #16 and #26.

A13. Please see updated Division W of the bidding document.

Q14. Is the contractor responsible for removing all existing buildings, or will the county perform this work?

A14. All structures within project limits that are shown to be demolished have already been removed by Lake County.

Q15. Will all buildings and other improvements including underground tanks within the right of way and specifically at roadway stations 224+00 and 229+50 be removed by others prior to construction?

A15. See answer to question #14.

Q16. General plan note "B" under Traffic Controls on Sheet 18 and paragraph 5 in Section 21 of the bid documents state that the contractor is to submit a detailed traffic control plan. However, traffic control plans were included with the bid documents. Please clarify if we are to use the traffic control plans provided or if the contractor will be required to submit a new plan.

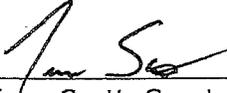
A16. Contractor may elect to adopt the MOT plan that is provided in the construction plans via certified letter or they may develop their own MOT plan that must be signed and sealed by a professional engineer, and approved by Lake County.

Q17. Are there any utility relocation schedules available?

A17. There are no utility schedules available at this time.

Q18. The Duke Energy agreement, Exhibit "B", page 4 of 4, references an exhibit "C". Exhibit "C" does not appear to have been provided, could you provide this exhibit?

A18. "Exhibit C" of the Duke Energy agreement is not applicable to this project. Please disregard.

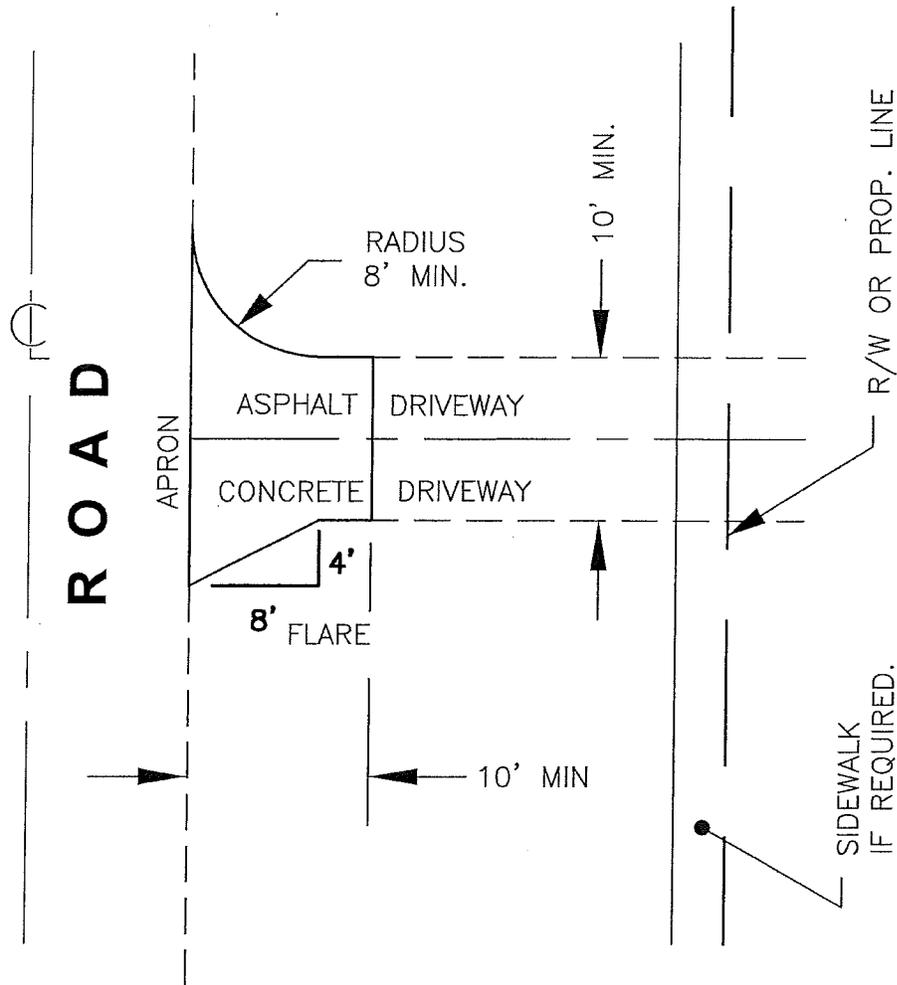

9.3-14
Terry Scott, Construction Inspector Supervisor



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
437 ARDICE AVE.
EUSTIS, FLORIDA 32726

A

RESIDENTIAL DRIVEWAY



(SIDEWALK SHALL BE CONSTRUCTED TO MEET FDOT INDEX 310, ADA SPECIFICATIONS FOR PUBLIC RIGHT-OF-WAYS, AND LAKE COUNTY STANDARDS WITH A MAXIMUM CROSS SLOPE OF 1.5% AND A MAXIMUM RUNNING GRADE SLOPE OF 5%.)

1. 1" ASPHALT W/6" COMPACTED LIMEROCK BASE.

OR

2. 6" 3,000 PSI CONCRETE REINFORCED W/ 10-10x6"x6" MESH AND 6" COMPACTED SUBGRADE

DIVISION W

BID FORM

COMPANY NAME

NOTE: BIDDER SHALL SUBMIT BID IN DUPLICATE ON FORM PROVIDED HEREIN.

BID

OF

(Name)

(Address)

()

(Phone No.)

FOR

BID NO. 14-0030

North Hancock Road Extension Phase IIIA and IIIB

PROJECT NO.: 2014-11

Lake County, Florida

Submitted _____ 20__

TO THE COUNTY OF LAKE, FLORIDA:

We, the undersigned, hereby declare that no person or persons, firm or corporation, other than the undersigned, are interested in this proposal, as principals, and that this Bid is made without collusion with any person, firm or corporation, and we have carefully and to our full satisfaction examined the Special Provisions and form of Contract and Bond, together with the approved Plans and Specifications for the above described project, and that we have made a full examination of the location of the proposed work and the source of supply of materials, and we hereby agree to furnish all necessary labor, equipment, and materials, fully understanding that the quantities shown herewith are approximate only, and that we will fully complete all necessary work in accordance with the Plans and Specifications, and the requirements under them of the Engineer, within the time limit specified in this Bid for the following unit values, to-wit:

BID SHEET – TABULATION OF QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
SUMMARY OF BIDS

BASE BID	
North Hancock Road Extension Phase IIIA Subtotal	\$
North Hancock Road Extension Phase IIIB Subtotal	\$
Total Base Bid (Figures)	\$
Total Base Bid (Words)	
Total Base Bid Number of Calendar Days to Complete	
ALTERNATE BID	
Alternate #1 – City of Minneola Turkey Farms Water Main Relocation (Figures)	\$
Alternate #1 – City of Minneola Turkey Farms Water Main Relocation (Words)	
Total Alternate Bid Number of Calendar Days to Complete	
TOTAL BASE BID PLUS ALTERNATE #1 (Figures)	\$
TOTAL BASE BID PLUS ALTERNATE #1 (Words)	
TOTAL NUMBER OF CALENDAR DAYS TO COMPLETE	

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
North Hancock Road Extension Phase IIIA – Roadway Construction (Construction Plans prepared by TY LIN)					
1	Mobilization	LS			
2	Maintenance of Traffic	LS			
3	Excavation Cut	CY			
4	Excavation Fill	CY			
5	Grading/ Final Dressing	LS			
6	Clear and Grub	LS			
7	12" Stablized Subgrade (40 LBR)	SY			
8	4" Limerock	SY			
9	6" Limerock	SY			
10	8" Limerock (2 lifts)	SY			
11	10" Limerock (2 lifts)	SY			
12	Asphaltic Concrete Friction Course, FC-9.5 Traffic C	SY			
13	1.5" FC-9.5 Traffic Level C	SY			
14	1.5" Minimum FC-12.5 Traffic Level C	SY			
15	1.5" Minimum SP 12.5 Traffic Level C	SY			
16	Asphaltic Concrete Friction Course, FC-9.5, Traffic C (MOT)	SY			
17	2.5" Minimum SP 12.5 Traffic Level C	SY			
18	1" Milling	SY			
19	1.5" Milling	SY			
20	2.5" Milling	SY			
21	Prime & Sand	SY			
22	Tack Coat	SY			
23	Geosynthetic Reinforced Soil Slope	SF			
Continued on Next Page					

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
24	1.5" SP 9.5 (Traffic Level A)	SY			
25	4' Traffic Separator Type 1 Option 2	LF			
26	42" RCP	LF			
27	36" RCP	LF			
28	30" RCP	LF			
29	24" RCP	LF			
30	18" RCP	LF			
31	14" x 23" ERCP	LF			
32	Curb Ramp Type 21	EA			
33	Inlet Curb Type P-5 <10	EA			
34	Inlet Curb Type P-5 >10	EA			
35	Inlet Curb Type 5, J Bottom <10	EA			
36	Inlet Curb Type 6, <10	EA			
37	Inlet Curb Type 6, J Bottom <10	EA			
38	Inlet Curb Type 6, J Bottom >10	EA			
39	Inlet Curb, Type 8, >10	EA			
40	Inlet, Ditch Bottom C <10	EA			
41	Inlet, Ditch Bottom D, <10	EA			
42	Inlet, Ditch Bottom E, <10	EA			
43	Inlet, Ditch Bottom H, <10	EA			
44	Inlet, Gutter Type V, <10	EA			
45	Inlet, Barrier Wall, Rigid, C&G<10	EA			
46	Manhole, P-7 <10	EA			
47	Manhole, P-7 >10	EA			
48	Manhole, J-7, <10	EA			
49	Manhole, J-7, >10	EA			
	Continued on Next Page				

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
50	Manhole, P-8, <10	EA			
51	Manhole, J-8, <10	EA			
52	U-Endwall, Std 261 w/Baffles 18"	EA			
53	U-Endwall, Std 261 w/Baffles 24"	EA			
54	U-Endwall, Std 261 w/Baffles, 30"	EA			
55	Mitered End Section, Optional Round, 18" SD	EA			
56	Mitered End Section, Opional Round 24" SD	EA			
57	Mitered End Section, 36" SD	EA			
58	Mitered End Section, Optional Elliptical 18" SD	EA			
59	Pipe Handrail-Guardrail (Steel)	LF			
60	Pedestrian/Bicycle Railing (Steel only) (42" Picket Railing)	LF			
61	Concrete Curb and Gutter, Type E	LF			
62	Concrete Curb and Gutter, Type F	LF			
63	Concrete Curb, Type A	LF			
64	Valley Gutter – Concrete	LF			
65	Drop Curb	LF			
66	Detectable Warnings- Liquid applied or cast in place	EA			
67	Sidewalk Concrete, 4" thick	SY			
68	Sidewalk Concrete, 6" thick	SY			
69	Concrete Ditch Pavement, non-reinforced, 4"	SY			
70	Rip Rap – Sand – Cement	CY			
71	Guardrail – Roadway	LF			
72	Guardrail End Anchorage – Flared	EA			
73	Guardrail End Anchorage – CRT	EA			
	Continued on Next Page				

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
74	Fencing, Type B, 5.1'-6.0', with vinyl coating	LF			
75	Painted Pavement Markings	LS			
76	Traffic Signal at Old Highway 50	LS			
77	Flowable Fill	CY			
78	Erosion Control	LS			
79	Silt Fence	LF			
80	Performance Turf Sod	SY			
81	Performance Turf Sod (MOT)	SY			
82	Thermoplastic Striping	LS			
83	Roadway Sign Removal/ Installation	LS			
84	Concrete Removal	LS			
85	Saw Cutting	LS			
86	Concrete Class NS, Gravity Walls	CY			
87	Underdrain, Type II	LF			
88	Survey/ Layout/ As-Builts	LS			
89	Payment/ Performance Bond	LS			
90	NPDES permit	LS			
91	Portable Toilet	LS			
92	Retaining Wall - 4000 psi Concrete	CY			
93	Retaining Wall - #6 reinforcing bar	LB			
94	Retaining Wall - #7 reinforcing bar	LB			
95	Retaining Wall - #57 Stone	CY			
96	Retaining Wall - Geotextile Fabric	SY			
97	Special Retaining Wall- Geotextile Fabric	LS			
98	Testing	LS			
	Continued on Next Page				

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
North Hancock Road Extension Phase IIIB – Roadway Construction (Construction Plans prepared by Lake County)					
1	Mobilization	LS			
2	Maintenance of Traffic	LS			
3	Excavation Cut	CY			
4	Excavation Fill	CY			
5	Grading/Final Dressing	LS			
6	Clear and Grub	LS			
7	12" Stabilized Subgrade (40 LBR)	SY			
8	10" Limerock (2 lifts)	SY			
9	1" Minimum FC 9.5	SY			
10	2.5" Minimum SP 12.5 (Traffic Level C)	SY			
11	1" Milling	SY			
12	Prime and Sand	SY			
13	Tack Coat	SY			
14	6" Limerock	SY			
15	1.5" SP 9.5 (Traffic Level A)	SY			
16	4' Traffic Separator Type 1 Option 2	LF			
17	5' Concrete Sidewalk	SY			
18	24" RCP	LF			
19	18" RCP	LF			
20	Curb Ramp Type 21	EA			
21	Detectable Warnings- Liquid applied or Cast in Place	EA			
22	Inlet Curb Type P-5	EA			
23	Manhole P-7	EA			
24	Type F Curb	LF			
	Continued on Next Page				

**BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030**

BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
25	Type E Curb	LF			
26	Valley Gutter	LF			
27	Flowable Fill	CY			
28	Erosion Control	LS			
29	Silt Fence	LF			
30	Sod	SY			
31	Thermoplastic Striping	LS			
32	Roadway Sign Removal/Installation	LS			
33	Concrete Removal	LS			
34	Saw Cutting	LF			
35	Asphalt Removal	LS			
36	Survey/Layout/As-Builts	LS			
37	Payment/Performance Bond	LS			
38	NPDES Permit	LS			
39	Portable Toilet	LS			
40	Turkey Farms Road Speed Tables SP 12.5 Asphalt	SY			
41	Turkey Farms Road Speed Tables Thermoplastic Striping	LS			
42	Turkey Farms Road Speed Tables Sign Installation	LS			
43	Testing	LS			
North Hancock Road Extension Phase IIIB – Roadway Construction Subtotal					\$

BID SHEET - TABULATION OF ESTIMATED QUANTITIES
North Hancock Road Extension Phase IIIA and IIIB
Project No. 2014-11, Bid No. 14-0030
BASE BID

Item No.	Description	Unit	Unit Price	Quantity	Amount
Alternate Bid #1 - City of Minneola Turkey Farms Water Main Relocation					
1	Mobilization	LS			
2	Maintenance of Traffic	LS			
3	16/20 inch Ductile Iron Water Main and Fittings Removal and Replacement (Turkey Farms Rd)	LF			
4	8-inch PVC Water Main and Fittings Removal and Replacement (Bridger Trail Court)	LF			
5	8-inch PVC Water Main and Fittings Removal and Replacement (Big Sky Drive)	LF			
6	Removal of 4-inch PVC Water Main (Big Sky Court)	LF			
7	20-inch Line Stop Assembly	EA			
8	20-inch Gate Valve and Appurtenances	EA			
9	20-inch Gate Valve Reinstallation	EA			
10	Fire Hydrant Assembly Relocates	EA			
11	1-inch Potable Water Service Line	LF			
12	Flowable Fill (Fosgate Road)	CY			
13	Testing	LS			
Total Alternate #1 Bid (Figures):					
Total Alternate #1 Bid (Words):					
Total Alternate #1 Number of Calendar Days to Complete:					

The undersigned further agrees to execute the Contract within ten (10) calendar days after receipt of notice of award, and within the time frame of Division X.

The undersigned further agrees to bear the full cost of maintaining all work until the final acceptance.

The undersigned further declares that his Bid is based on specifications as modified by the following Addenda:

Addendum No. _____ Dated _____ Addendum No. _____ Dated _____
Addendum No. _____ Dated _____ Addendum No. _____ Dated _____
Addendum No. _____ Dated _____ Addendum No. _____ Dated _____

The undersigned Contractor's address and principal place of business is _____
_____.

If Contractor is a corporation list the names, titles, and business addresses of its President, Secretary and Treasurer:

1. PRESIDENT _____ Address _____
(Name)

2. SECRETARY _____ Address _____
(Name)

3. TREASURER _____ Address _____
(Name)

Reciprocal Vendor Preference
(Not applicable on Federal/State Projects)

Vendors are advised the County has established, under Lake County Code, Chapter 2, Article VII, Sections 2-221 and 2-222 (see below); a process under which a local vendor preference program applied by another county may be applied in a reciprocal manner within Lake County. The following information is needed to support application of the Code:

1. Primary business location of the responding vendor (city/state): _____

2. Does the responding vendor maintain a significant physical location in Lake County at which employees are located and business is regularly transacted: Yes No If "yes" is checked, provide supporting detail:

Said corporation is qualified to do business in the State of Florida.

Corporate Name

By: _____
_____, President
(Print Name)

CORPORATE SEAL

or Qualifying Agent

Contractor's Registration or Certification No.

If Contractor is not a corporation, list the name(s) and business address(es) of its owner(s), joint venturers or partners:

1. _____ Address _____
(Name)

2. _____ Address _____
(Name)

3. _____ Address _____
(Name)

The said company or business entity is a sole proprietorship, partnership, or joint venture and is trading and doing business as _____ (Company Name).

By:

Name of Firm or Qualifying Agent

Contractor's Registration or Certification No.

FLORIDA TRENCH SAFETY ACT CERTIFICATION AND DISCLOSURE STATEMENT

The undersigned acknowledges the requirements of the Florida Trench Safety Act (Section 553.60 et. seq. Florida Statutes).

A. The Bidder further acknowledges that the Florida Trench Safety Act, (the Act) establishes the Federal excavation safety standards set forth at 29 C.F.R. Section 1926.650 Subpart P, as the interim state standard until such time as the State of Florida, through its Department of Labor and Employment Security, or any successor agency, adopts, updates or revises said interim standard. This State of Florida standard may be supplemented by special shoring requirements established by the State of Florida or any of its political subdivisions.

B. The Bidder, as Contractor, shall comply with all applicable excavation/trench safety standards.

C. The Contractor shall consider the geotechnical data available from the County, if any, the Contractor's own sources, and all other relevant information in its design of the trench safety system to be employed on the subject Project. The Contractor acknowledges sole responsibilities for the selection of the data on which it relies in designing the safety system, as well as for the system itself.

D. The amounts that the Bidder has set forth for pipe installation includes the following excavation/trench safety measures and the linear feet of trench excavated under each safety measure. These units, costs, and unit values shall be disclosed solely for the purpose of compliance with procedural requirements of the Act. No adjustment to the Contract time or price shall be made for any difference in the actual number of linear feet of trench excavation, except as may be otherwise provided in these Contract Documents.

Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
A.				
B.				
C.				
D.				
E.				
F.				

For Information Only, Not for Payment Purposes \$_____

Bidder may use additional sheets as necessary to extend this form.

Failure to complete the above may result in the bid being declared non-responsive.

E. The amount disclosed as the cost of compliance with the applicable trench safety requirements does not constitute the extent of the Contractor's obligation to comply with said standards. The Contractor shall extend additional sums at no additional cost to the County, if necessary, to comply with the Act (except as may otherwise be provided).

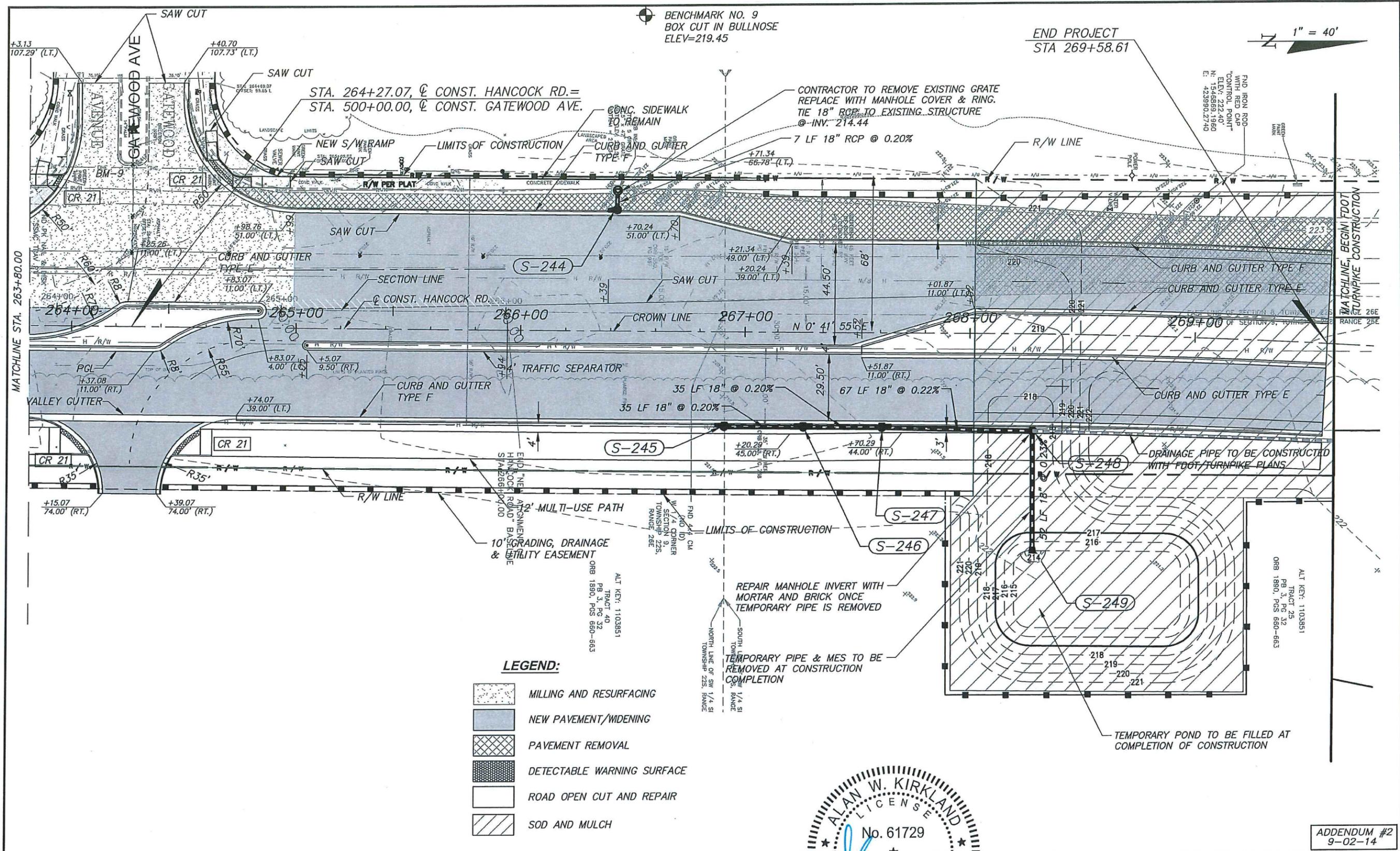
F. Acceptance of the bid to which this certification and disclosure applies in no way represents that the County or its representative has evaluated and thereby determined that the above costs are adequate to comply with the applicable trench safety requirements nor does it in any way relieve the Contractor of its sole responsibility to comply with the applicable trench safety requirements.

Company

Name and Title

Address:

Telephone: () _____



REVISIONS	DATE	SECTION	TOWNSHIP	RANGE
		8 & 9	22E	26E
		DESIGNED: RES	DATE: AUG. 2014	
		DRAWN: RES	DATE: AUG. 2014	
		APPROVED: AK	DATE: AUG. 2014	

DESIGNED: RES DATE: AUG. 2014
 DRAWN: RES DATE: AUG. 2014
 APPROVED: AK DATE: AUG. 2014



DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
 437 ARDICE AVE.
 EUSTIS, FLORIDA 32726

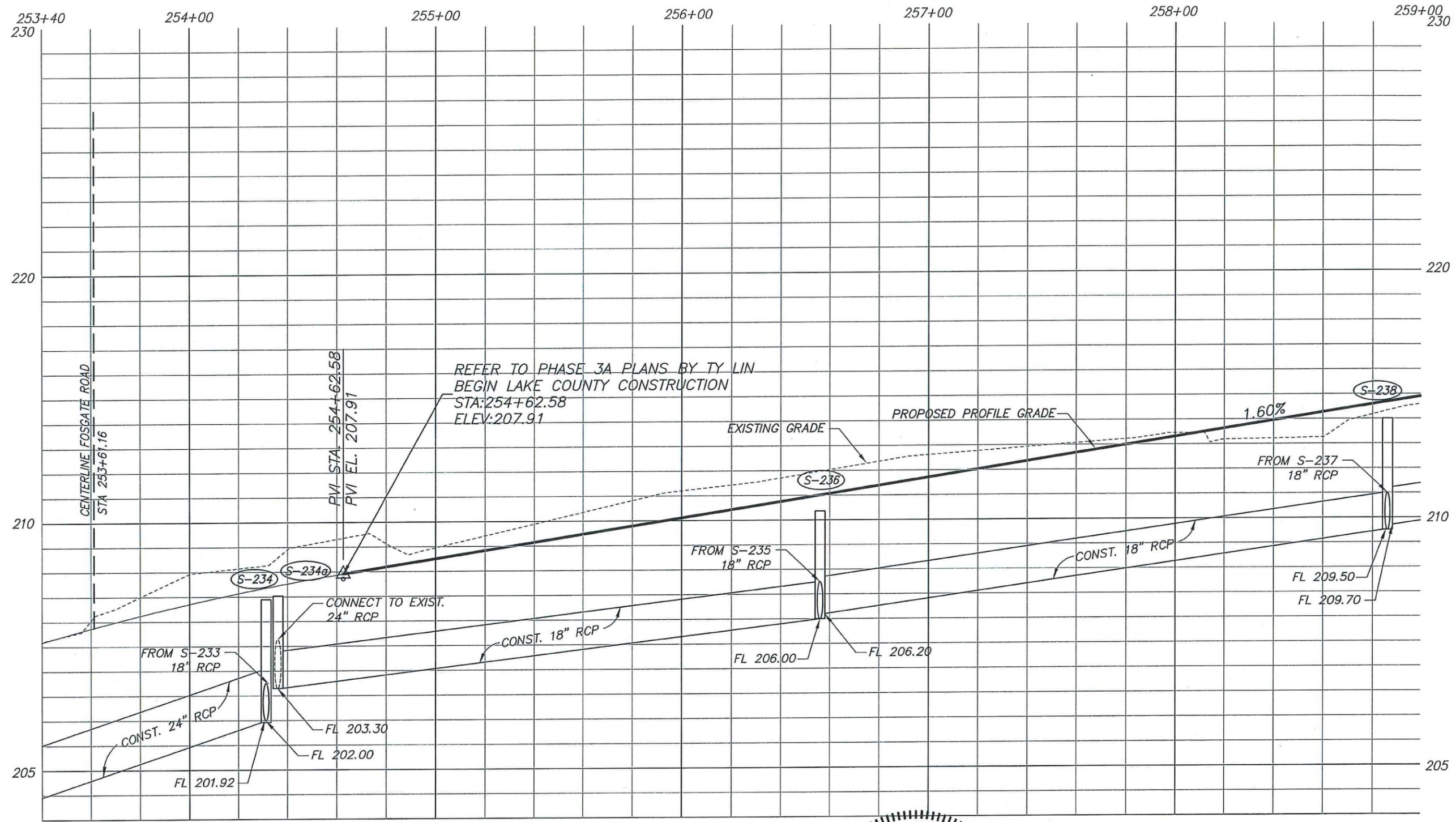


ROADWAY PLAN
NORTH HANCOCK ROAD

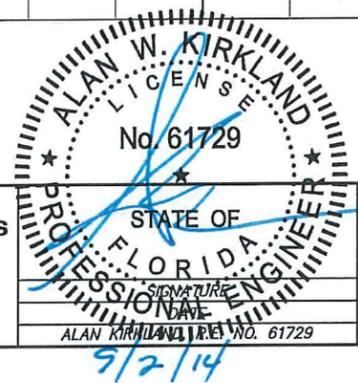
SHEET NO.
 11

ADDENDUM #2
 9-02-14

9/2/14



REFER TO PHASE 3A PLANS BY TY LIN
 BEGIN LAKE COUNTY CONSTRUCTION
 STA: 254+62.58
 ELEV: 207.91



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

ADDENDUM #2
 9-02-14

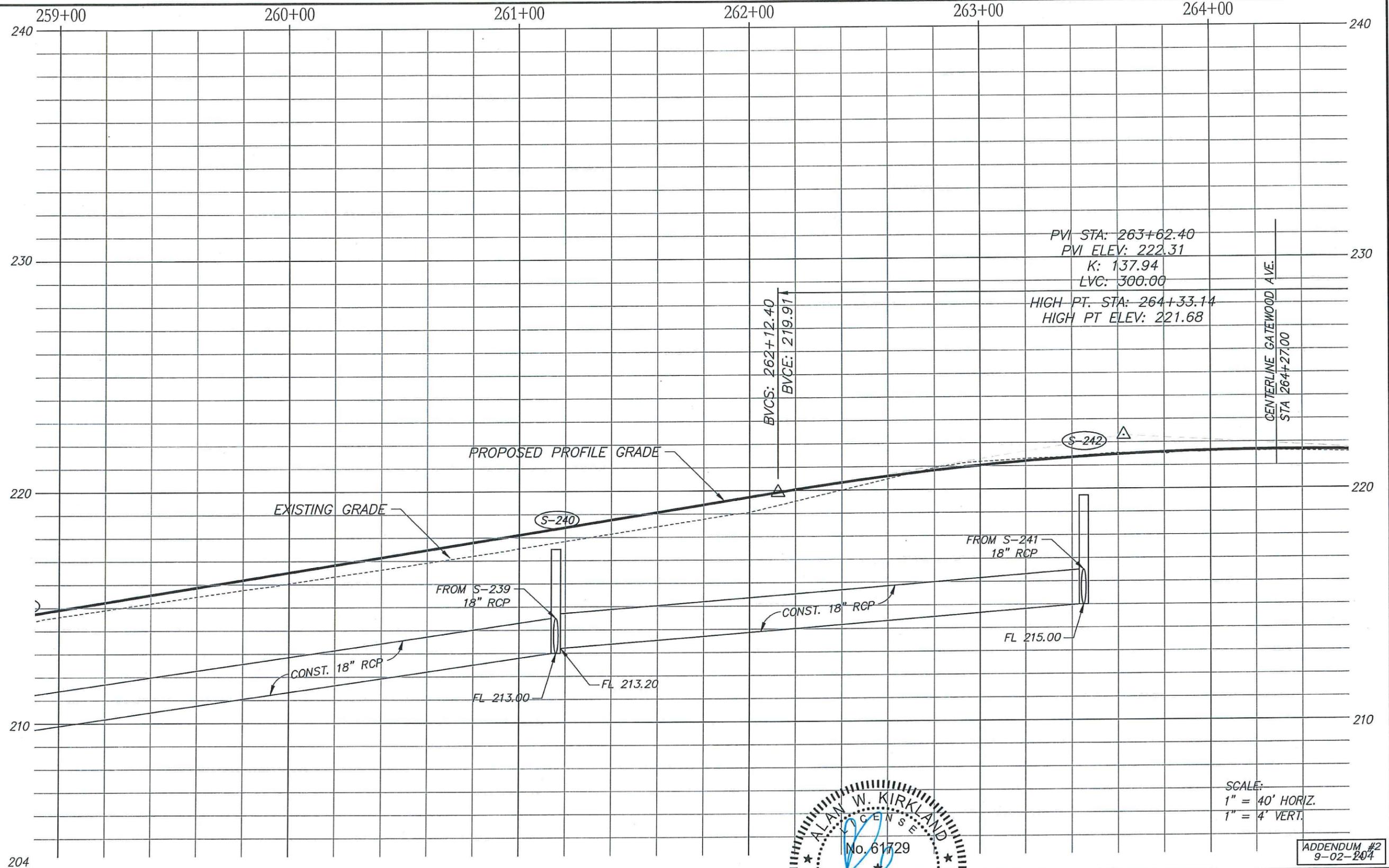
REVISIONS	DATE	SECTION	TOWNSHIP	RANGE
		8 & 9	22E	26E
		DESIGNED: RES	DATE: AUG. 2014	
		DRAWN: RES	DATE: AUG. 2014	
		APPROVED: AK	DATE: AUG. 2014	



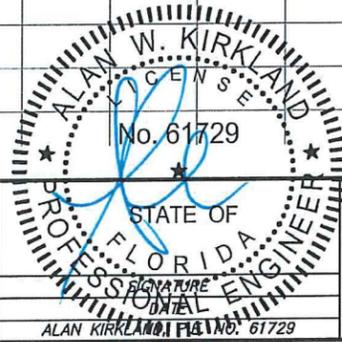
DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 437 ARDICE AVE.
 EUSTIS, FLORIDA 32726

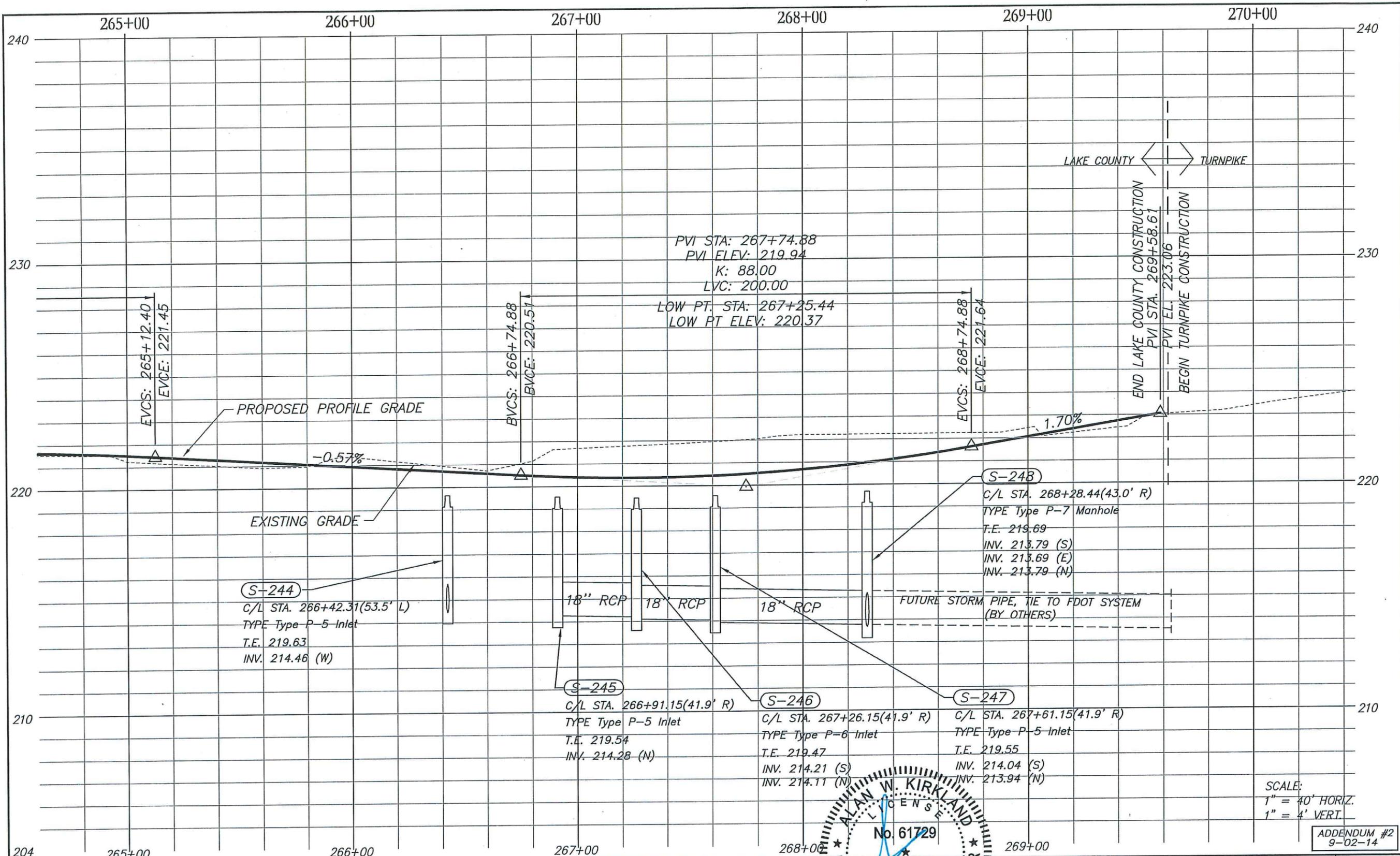
ROADWAY PROFILE
 NORTH HANCOCK ROAD

SHEET NO.
 12



ADDENDUM #2
9-02-2014

REVISIONS	DATE	SECTION	TOWNSHIP	RANGE	 DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 437 ARDICE AVE. EUSTIS, FLORIDA 32726			 ROADWAY PROFILE NORTH HANCOCK ROAD		SHEET NO.
		8 & 9	22E	26E	DESIGNED: RES	DATE: AUG. 2014	ALAN W. KIRKLAND No. 61729 PROFESSIONAL ENGINEER STATE OF FLORIDA 9/2/14	ROADWAY PROFILE NORTH HANCOCK ROAD	13	
					DRAWN: RES	DATE: AUG. 2014				
					APPROVED: AK	DATE: AUG. 2014				



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

ADDENDUM #2
 9-02-14

REVISIONS	DATE	SECTION	TOWNSHIP	RANGE
		8 & 9	22E	26E
DESIGNED: RES	DATE: AUG. 2014			
DRAWN: RES	DATE: AUG. 2014			
APPROVED: AK	DATE: AUG. 2014			



DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 437 ARDICE AVE.
 EUSTIS, FLORIDA 32726



ROADWAY PROFILE
 NORTH HANCOCK ROAD

SHEET NO.
 14

S-233

STA. 254+31.10 (52.25 LT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 206.38 (EP)
FL 202.21 (RT)

S-234

STA. 254+31.21 (40.35 RT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 206.62 (EP)
FL 202.00 (LT)
FL 201.92 (RT)

S-234a

STA. 254+36.07 (27.65 RT)
CONST. MANHOLE TYPE P-7
INDEX NO. 200, 211
TOP EL. 206.90
FL 203.30 (LT)
FL 203.30 (AH)

S-235

STA. 256+55.99 (52.35 LT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 209.97 (EP)
FL 206.50 (RT)

S-236

STA. 256+55.96 (40.35 RT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 210.21 (EP)
FL 206.00 (LT)
FL 206.00 (BK)
FL 206.20 (AH)

S-237

STA. 258+85.85 (40.25 LT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 213.89 (EP)
FL 210.00 (RT)

S-238

STA. 258+85.96 (40.25 RT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 213.89 (EP)
FL 209.50 (BK)
FL 209.50 (LT)
FL 209.70 (AH)

S-239

STA. 261+15.85 (40.25 LT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 217.26 (EP)
FL 213.50 (RT)

S-240

STA. 261+15.96 (40.25 RT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 217.26 (EP)
FL 213.00 (LT)
FL 213.00 (BK)
FL 213.20 (AH)

S-241

STA. 263+45.19 (40.25 LT)
CONST. INLET TYPE P-5 (ALT. A)
INDEX NO. 211
INLET EL. 218.52 (EP)
FL 215.50 (RT)

S-242

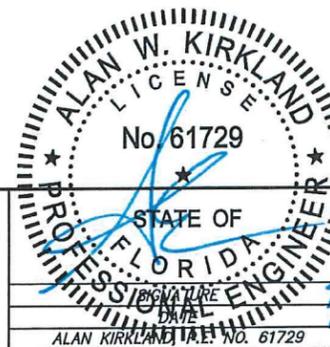
STA. 263+45.05 (40.25 RT)
CONST. INLET TYPE P-S (ALT. A)
INDEX NO. 211
INLET EL. 218.52 (EP)
FL 215.00 (LT)
FL 215.00 (BK)

Storm Structure Table				
Structure Number	Structure Type	Top Elev.	Inverts	Station Offset
S-244	Type P-5 Inlet	219.63	214.46 - 15" (W)	266+42.31 53.48' L
S-245	Type P-5 Inlet	219.54	214.28 - 18" (N)	266+91.15 41.89' R
S-246	Type P-6 Inlet	219.47	214.21 - 18" (S) 214.11 - 18" (N)	267+26.15 41.89' R
S-247	Type P-5 Inlet	219.55	214.04 - 18" (S) 213.94 - 18" (N)	267+61.15 41.85' R
S-248	Type P-7 Manhole	219.69	213.79 - 18" (S) 213.69 - 18" (E) 213.79 - 18" (N)	268+28.44 42.99' R
S-249	MES	215.28	213.57 - 18" (W)	268+29.26 94.51' R

REVISIONS	DATE	SECTION	TOWNSHIP	RANGE
		8 & 9	22E	26E
DESIGNED: RES	DATE: AUG. 2014			
DRAWN: RES	DATE: AUG. 2014			
APPROVED: AK	DATE: AUG. 2014			



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437 ARDICE AVE.
EUSTIS, FLORIDA 32726



DRAINAGE STRUCTURE INFO
NORTH HANCOCK ROAD

ADDENDUM #2
9-02-14

SHEET NO.

15

Regular Exc. Embankment

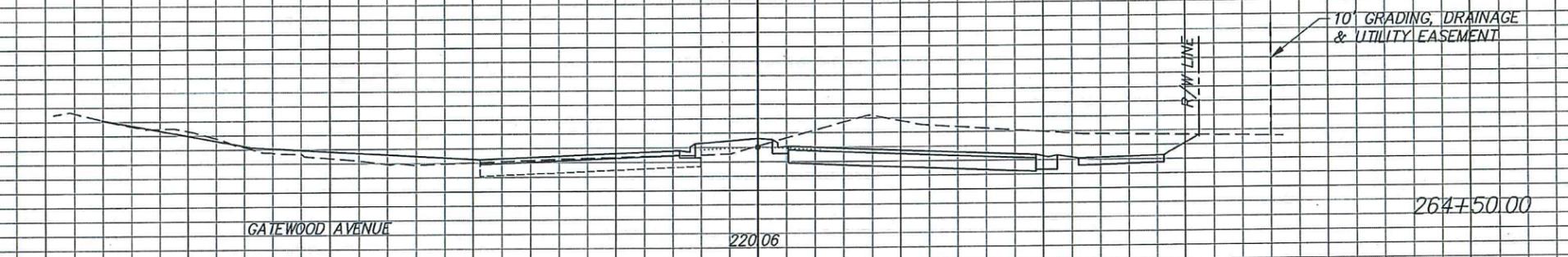
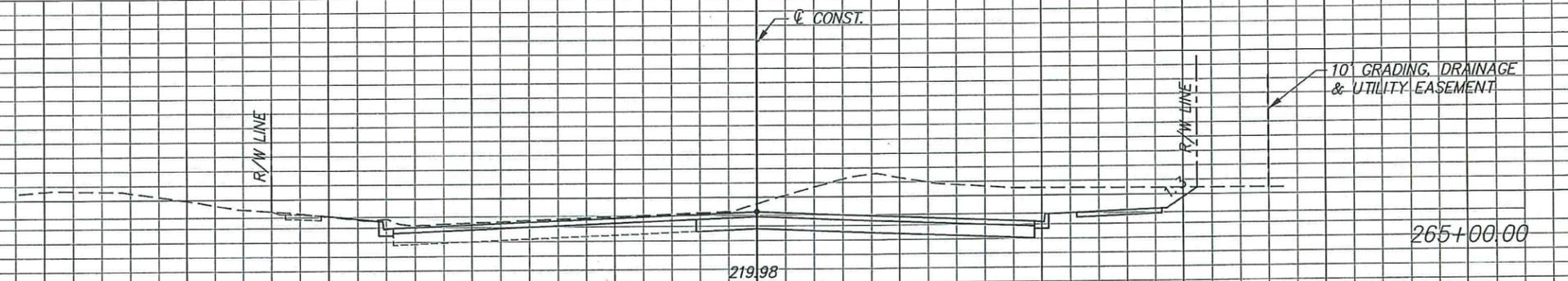
A V A V

228
226
224
222
220
218
216
214
212

228
226
224
222
220
218
216
214
212
210

226
224
222
220
218
216
214
212
210

120 100 80 60 40 20 0 20 40 60 80 100 120



Scale: 1"=20' Horizontal
1"=10' Vertical

ADDENDUM #2
9-02-14

REVISIONS

DATE

SECTION TOWNSHIP RANGE

8 & 9 22E 26E

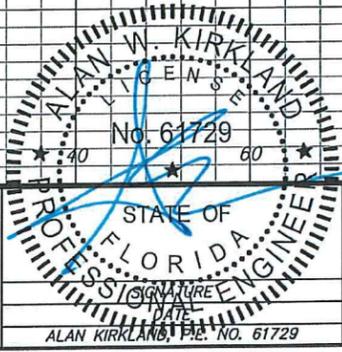
DESIGNED: RES DATE: AUG. 2014

DRAWN: RES DATE: AUG. 2014

APPROVED: AK DATE: AUG. 2014



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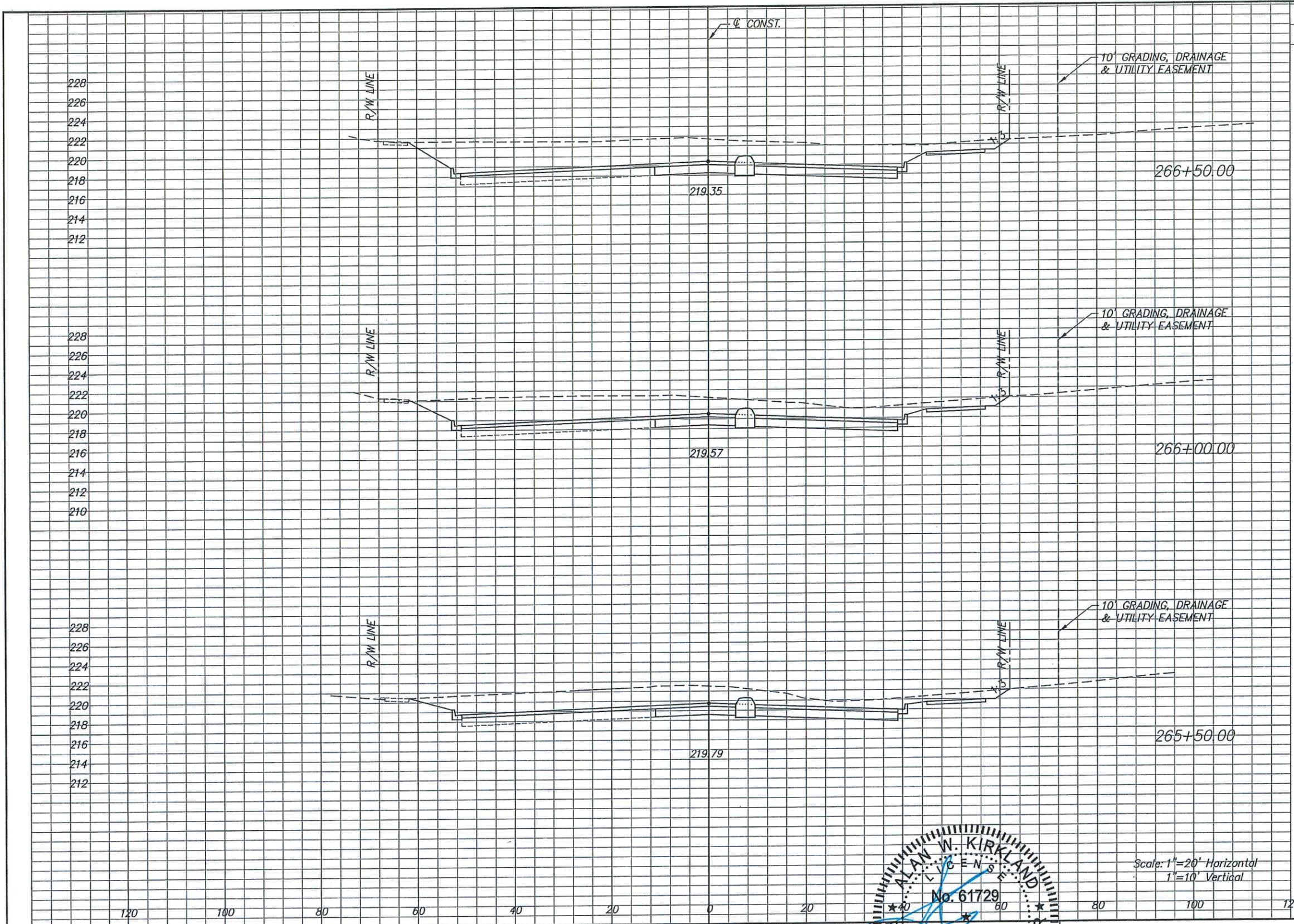


9/2/14

ROADWAY CROSS SECTIONS
NORTH HANCOCK ROAD

SHEET NO.

23



Regular		Exc.		Embankment	
A	V	A	V	A	V

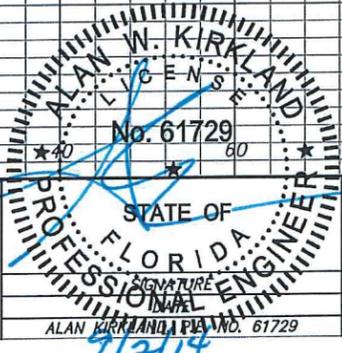
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REVISIONS	DATE

SECTION	TOWNSHIP	RANGE
8 & 9	22E	26E
DESIGNED: RES	DATE: AUG. 2014	
DRAWN: RES	DATE: AUG. 2014	
APPROVED: AK	DATE: AUG. 2014	



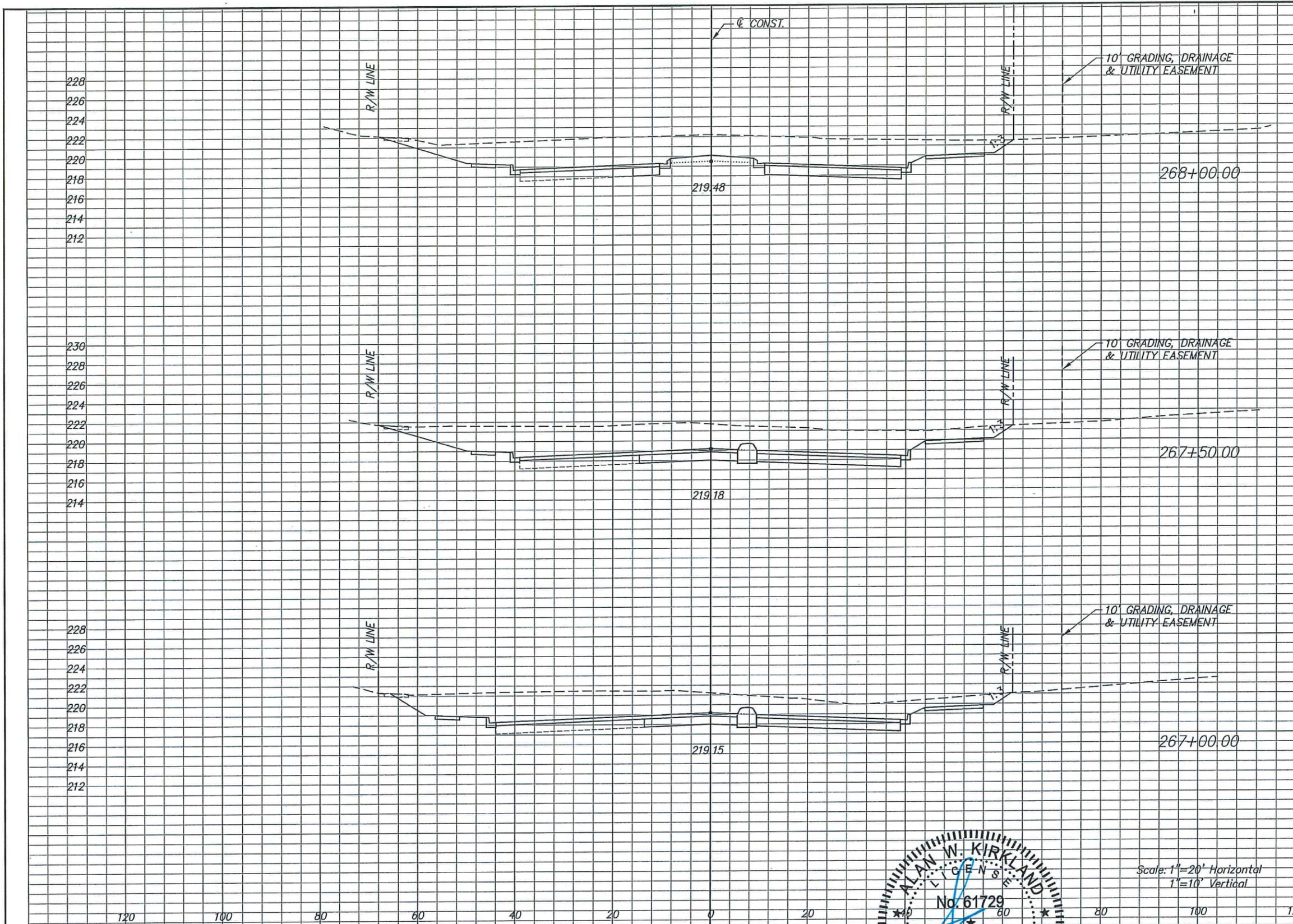
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
 437 ARDICE AVE.
 EUSTIS, FLORIDA 32726



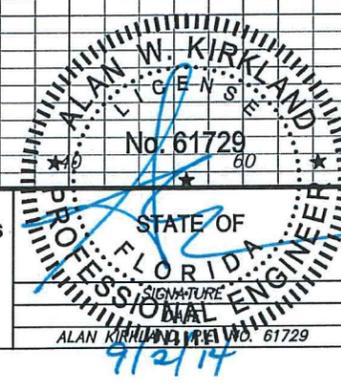
ROADWAY CROSS SECTIONS
NORTH HANCOCK ROAD

ADDENDUM #2
 9-02-14

SHEET NO.
 24



Regular		Exc.		Embankment	
A	V	A	V	A	V



Scale: 1"=20' Horizontal
1"=10' Vertical

ADDENDUM #2
9-02-14

REVISIONS		SECTION	TOWNSHIP	RANGE	 DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION 437 ARDICE AVE. EUSTIS, FLORIDA 32726	ROADWAY CROSS SECTIONS NORTH HANCOCK ROAD	SHEET NO.
		8 & 9	22E	26E			25
DESIGNED:	RES	DATE:	AUG. 2014		ALAN W. KIRKLAND LICENSE NO. 61729 9/2/14		
DRAWN:	RES	DATE:	AUG. 2014				
APPROVED:	AK	DATE:	AUG. 2014				

