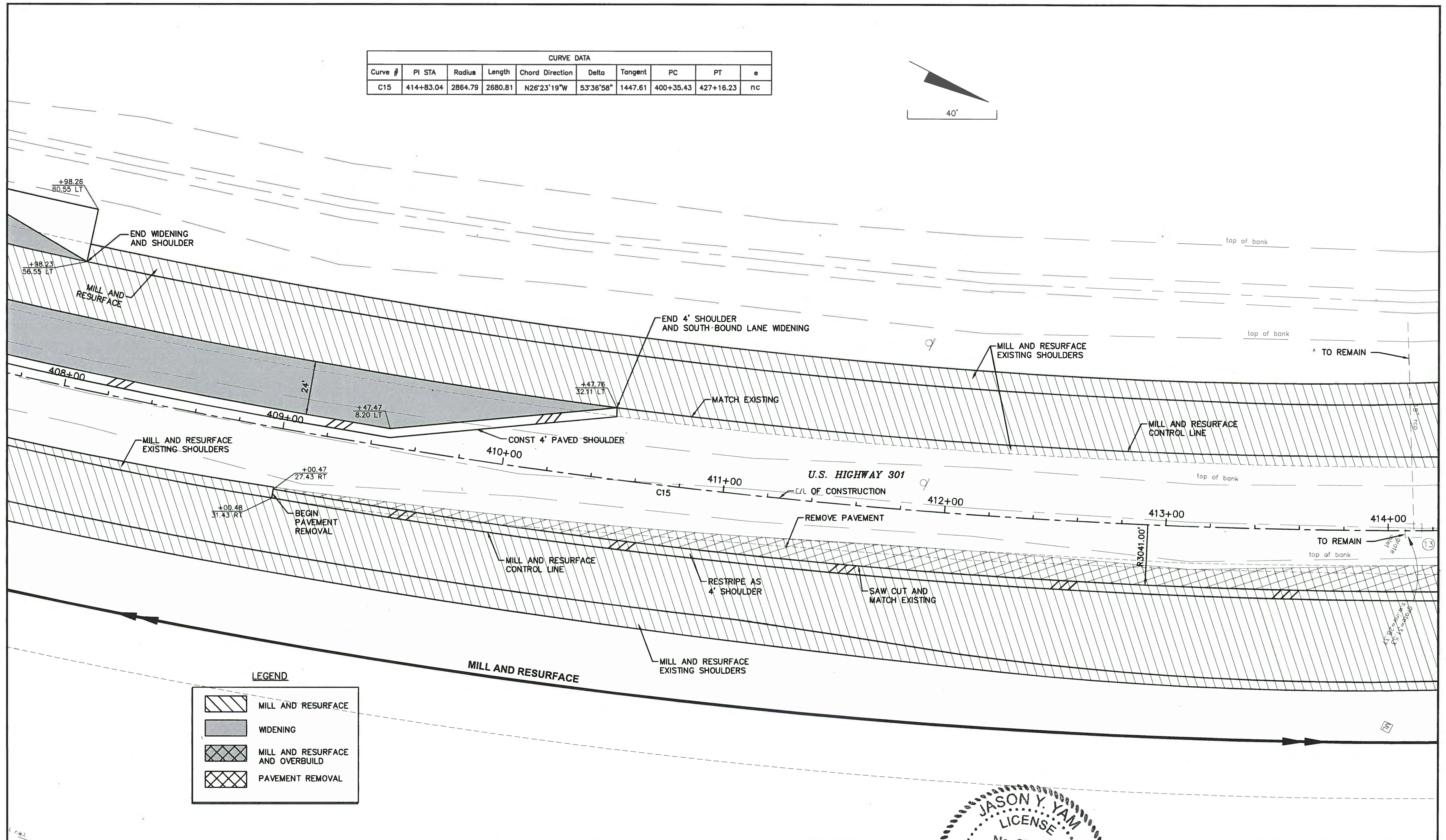
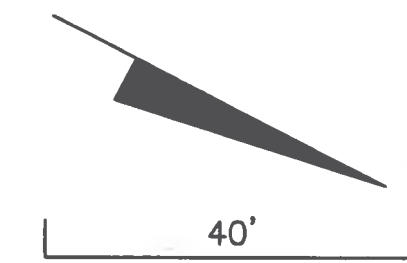


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Curve #	PI STA	Radius	Length	Chord Direction	Delta	Tangent	PC	PT	e
C15	414+83.04	2864.79	2680.81	N26°23'19"W	53°36'58"	1447.61	400+35.43	427+16.23	nc



LEGEND

	MILL AND RESURFACE
	WIDENING
	MILL AND RESURFACE AND OVERBUILD
	PAVEMENT REMOVAL

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

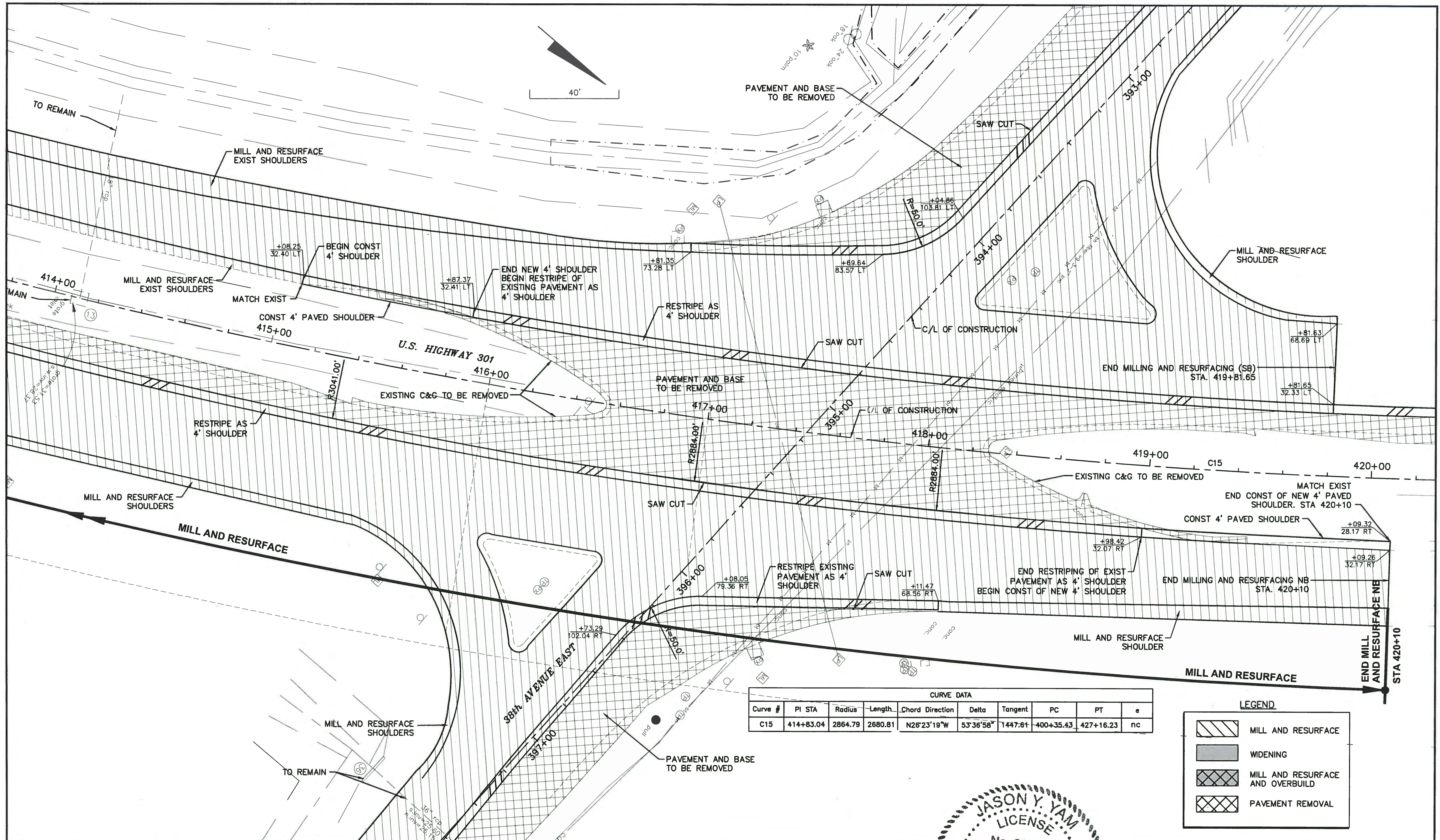
Cardno
Shaping the Future
380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29915

JASON Y. YAM
LICENSE
No. 62449
DATE: 6/19/15
PROFESSIONAL ENGINEER
FLORIDA

DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	

**PLAN
US 301**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	32



CURVE DATA									
Curve #	PI STA	Radius	Length	Chord Direction	Delta	Tangent	PC	PT	e
C15	414+83.04	2864.79	2680.81	N26°23'19"W	53°36'58"	1447.81	400+35.43	427+16.23	nc

LEGEND

- MILL AND RESURFACE
- WIDENING
- MILL AND RESURFACE AND OVERBUILD
- PAVEMENT REMOVAL

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

Cardno
Shaping the Future
380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29915

JASON Y. YAM
LICENSE
No. 62449
DATE: 6/18/15
PROFESSIONAL ENGINEER
STATE OF FLORIDA

DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: JCC

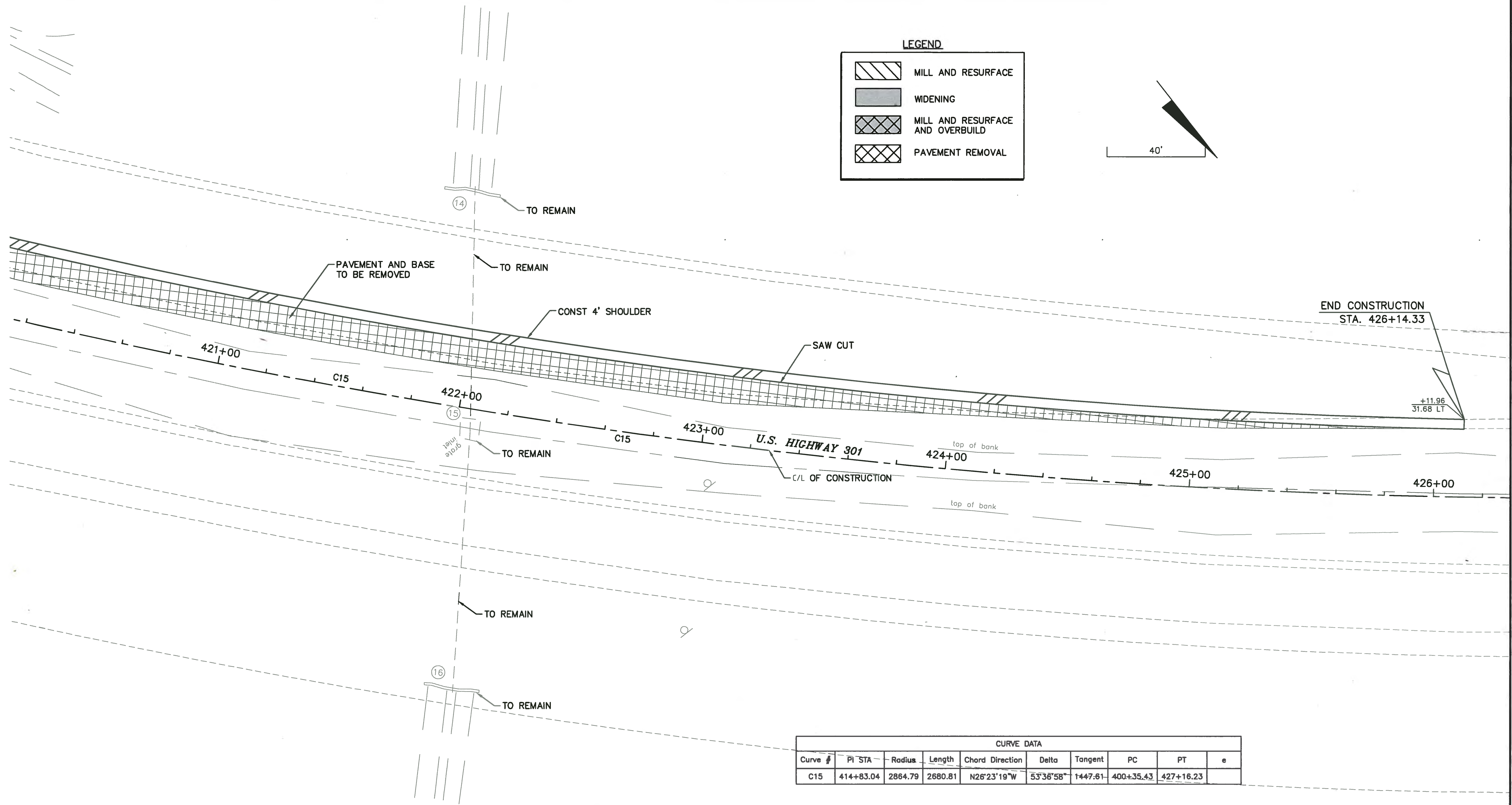
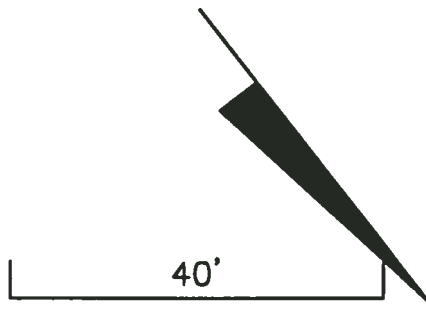
**PLAN
US 301**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
33

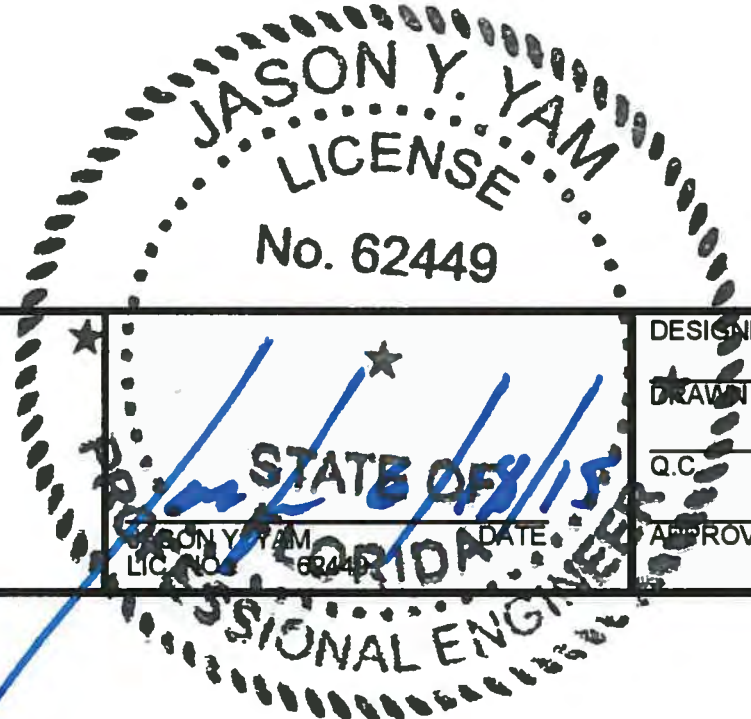
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LEGEND

	MILL AND RESURFACE
	WIDENING
	MILL AND RESURFACE AND OVERBUILD
	PAVEMENT REMOVAL



CURVE DATA									
Curve #	PI STA	Radius	Length	Chord Direction	Delta	Tangent	PC	PT	e
C15	414+83.04	2864.79	2680.81	N26°23'19"W	53°36'58"	1447.61	400+35.43	427+16.23	



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

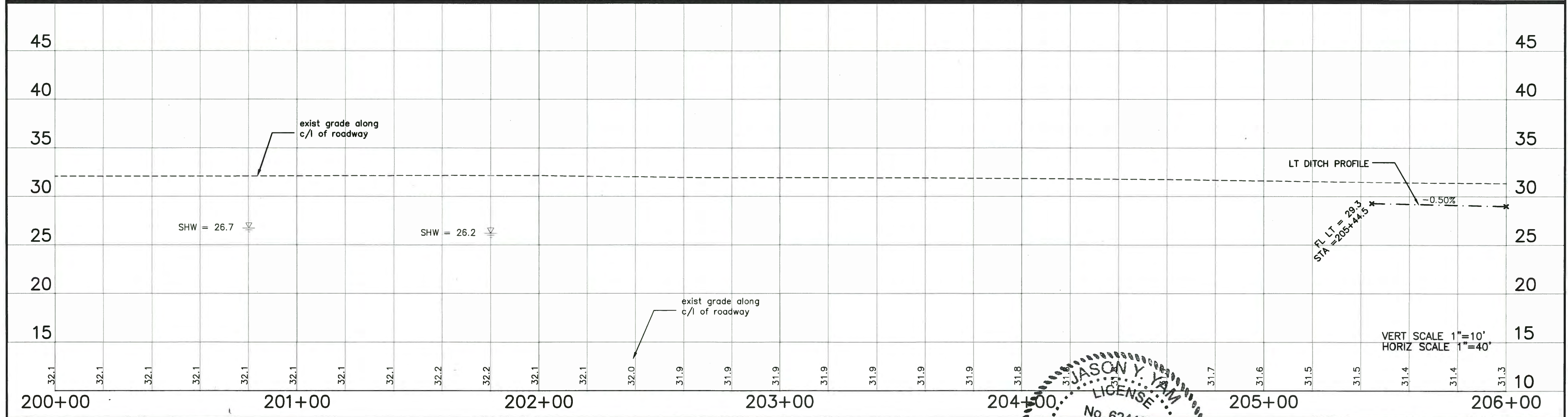
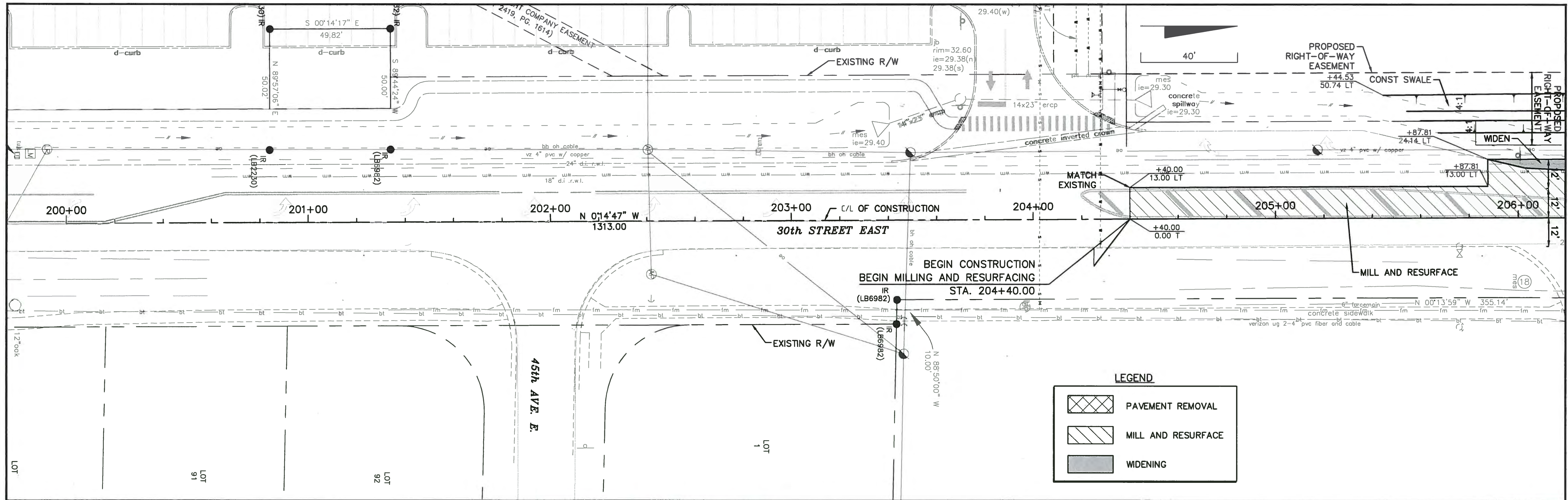
Cardno
Shaping the Future
380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29915

DESIGNED	JCC
DRAWN	JCC
Q.C.	
APPROVED	

**PLAN
US 301**

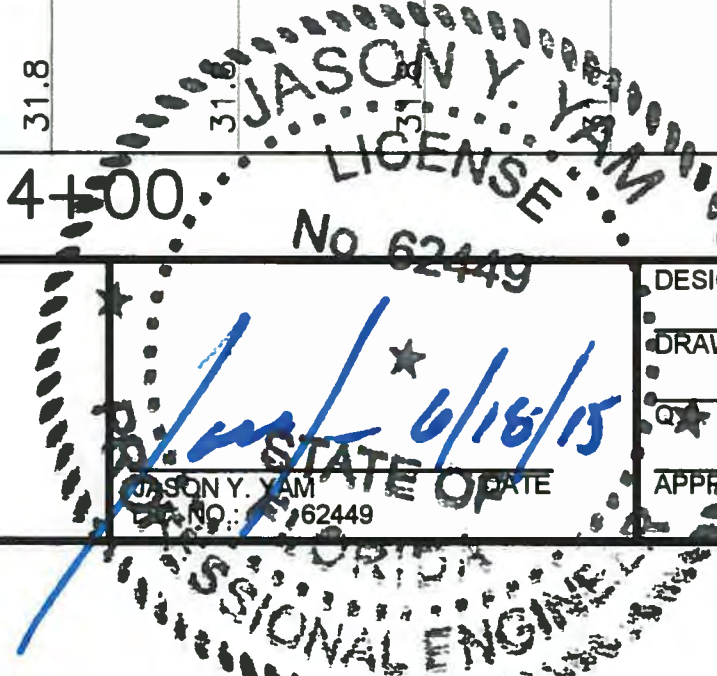
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DATE:	6-17-2015
SHEET NO:	34

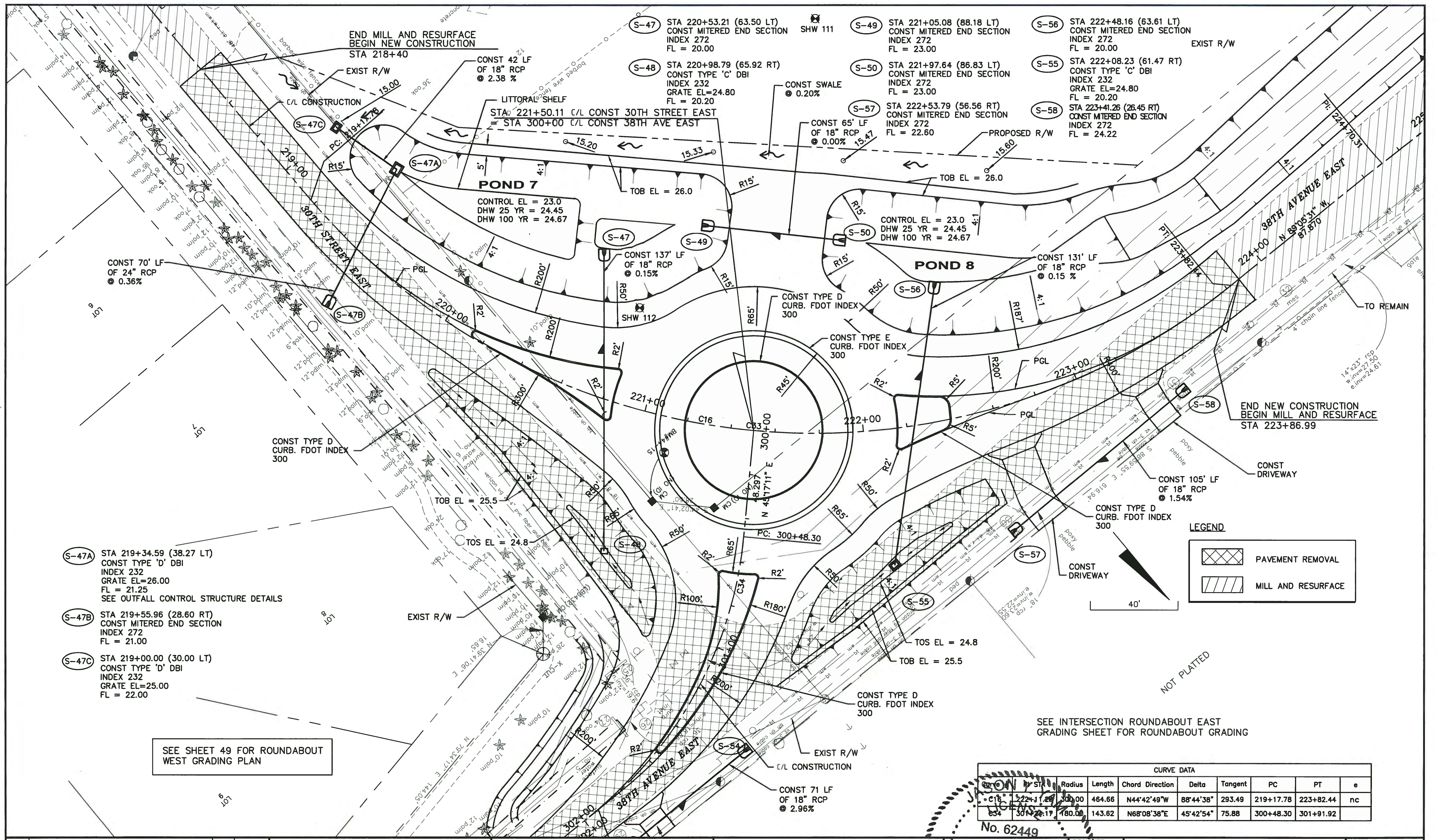
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MANATEE COUNTY		44TH AVENUE EAST ROADWAY EXTENSION		Cardno Shaping the Future 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759 TEL: (727) 531-3505 (800) 861-8314 www.cardno.com Certificate of Authorization No. 29915		PLAN AND PROFILE 30TH STREET EAST		PROJECT NO: 00193-001-18 DATE: 6-17-2015 SHEET NO: 35	
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FILE: J:\0019300193001.18\ACAD\dwg\PP19300118-1.dwg LAST SAVED: Tue, 06/16/15-4:21p PLOTTED: Tue, 06/16/15-5:07p BY: John.Hutchison





- S-47A STA 219+34.59 (38.27 LT)
CONST TYPE 'D' DBI
INDEX 232
GRATE EL=26.00
FL = 21.25
SEE OUTFALL CONTROL STRUCTURE DETAILS
- S-47B STA 219+55.96 (28.60 RT)
CONST MITERED END SECTION
INDEX 272
FL = 21.00
- S-47C STA 219+00.00 (30.00 LT)
CONST TYPE 'D' DBI
INDEX 232
GRATE EL=25.00
FL = 22.00

SEE SHEET 49 FOR ROUNDABOUT WEST GRADING PLAN

LEGEND

- PAVEMENT REMOVAL
- MILL AND RESURFACE

CURVE DATA

Station	Radius	Length	Chord Direction	Delta	Tangent	PC	PT	e
c16 222+17.78	300.00	464.66	N44°42'49"W	88°44'38"	293.49	219+17.78	223+82.44	nc
c34 301+91.92	180.00	143.62	N68°08'38"E	45°42'54"	75.88	300+48.30	301+91.92	

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST ROADWAY EXTENSION

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www.cardno.com Certificate of Authorization No. 29915

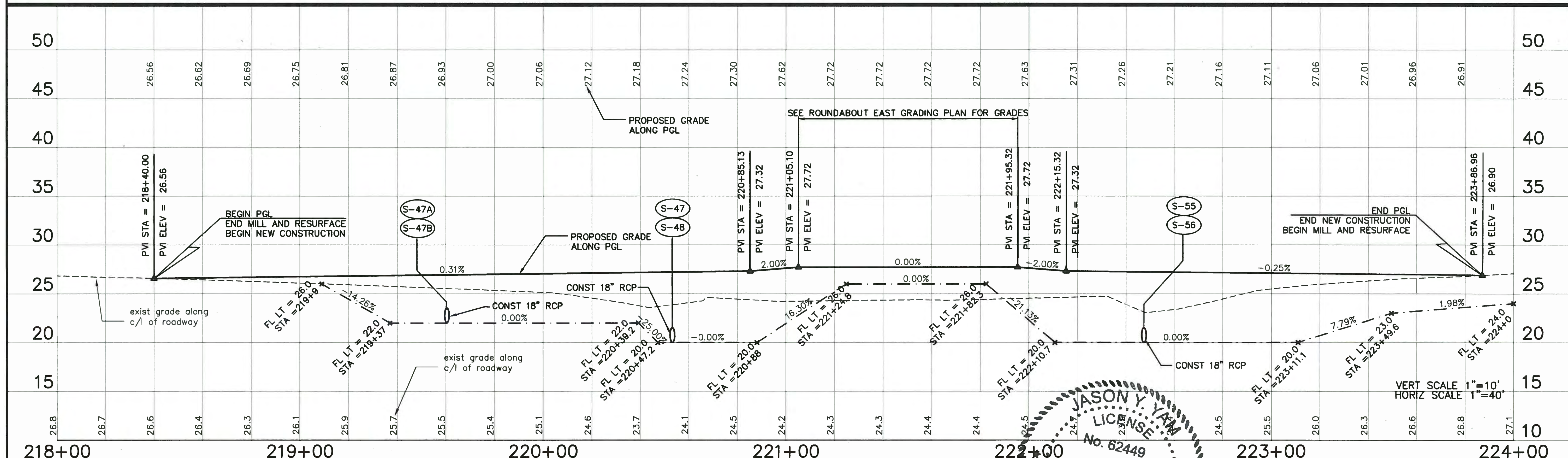
DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: JCC

DATE: 6/18/15

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 38

PLAN 30TH STREET EAST

FILE: J:\00193\00193001.18\ACAD\dwg\PP19300118-1.dwg LAST SAVED: Tue, 06/18/15 4:21p PLOTTED: Tue, 06/18/15 5:08p BY: John.Hutchison



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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www.cardno.com Certificate of Authorization No. 29815

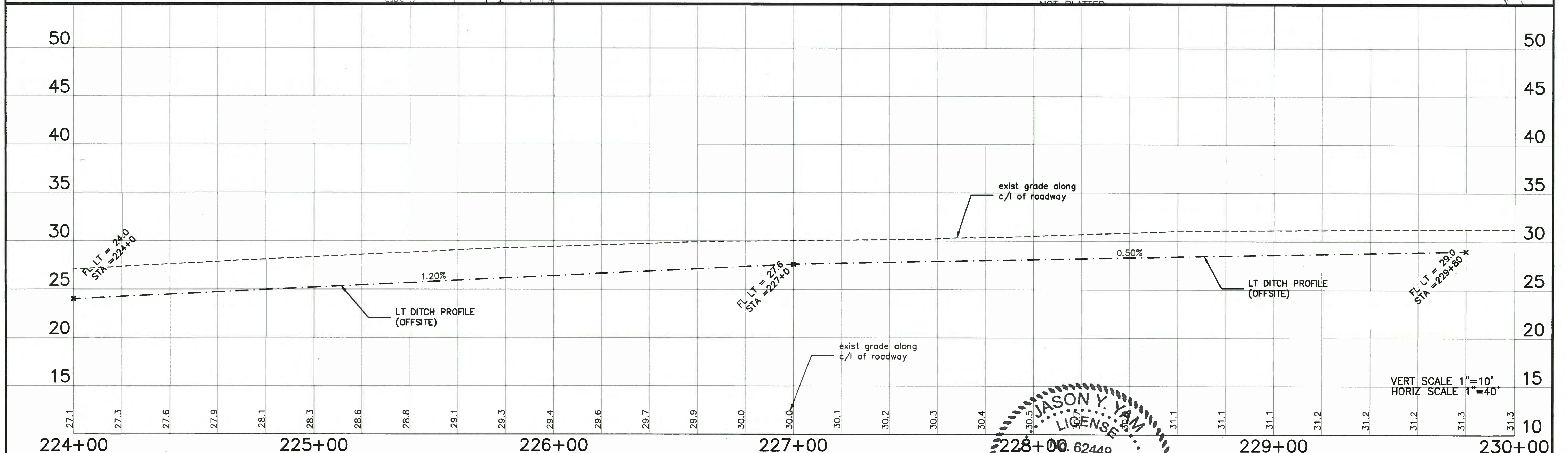
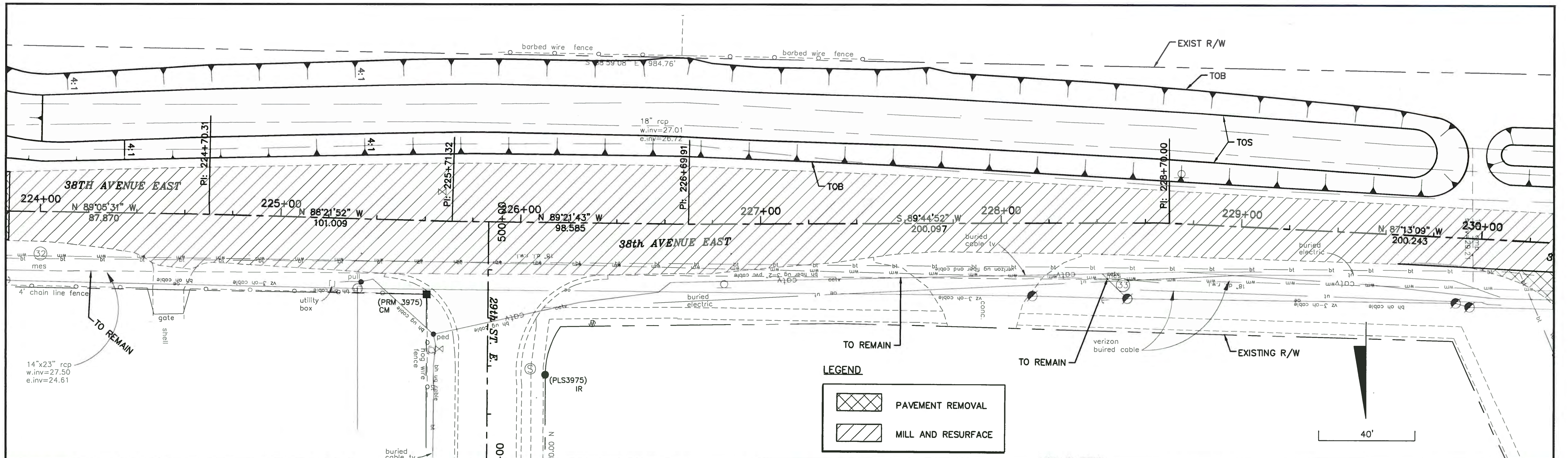
JASON Y. YAM
LICENSED PROFESSIONAL ENGINEER
No. 62449

DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: [Signature]

**PROFILE
30TH STREET EAST**

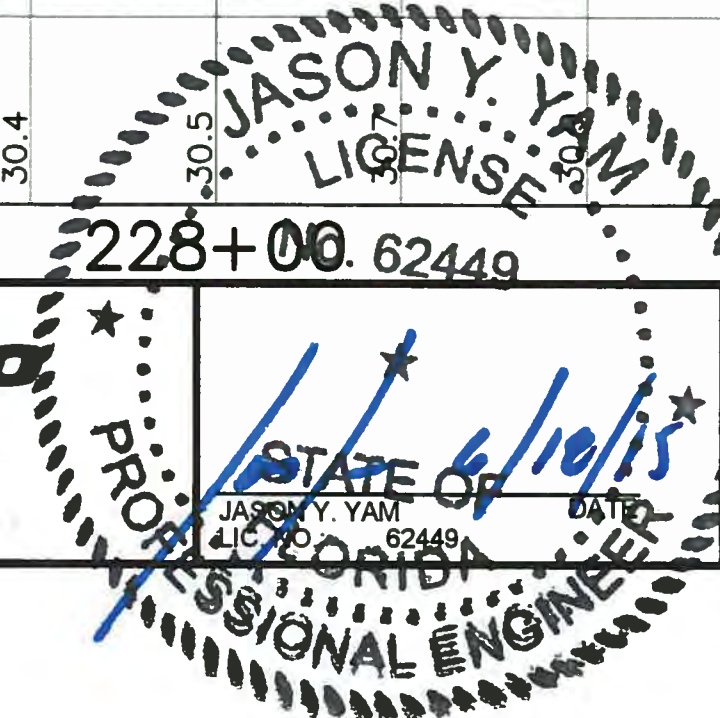
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DATE: 6-17-2015
SHEET NO: 39

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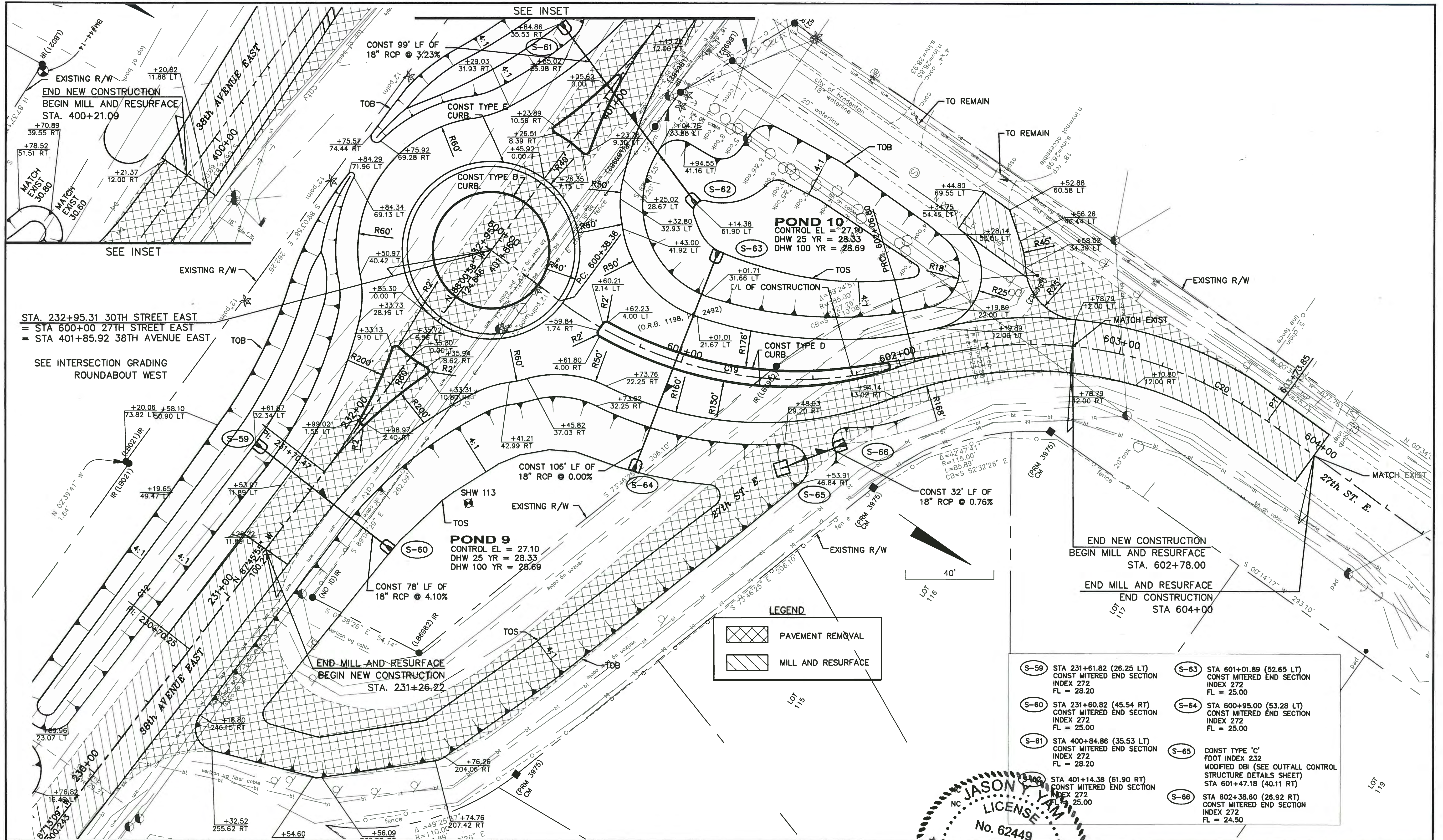


	MANATEE COUNTY	44TH AVENUE EAST ROADWAY EXTENSION		PLAN AND PROFILE 38TH AVENUE EAST	PROJECT NO: 00193-001-18 DATE: 6-17-2015 SHEET NO: 40
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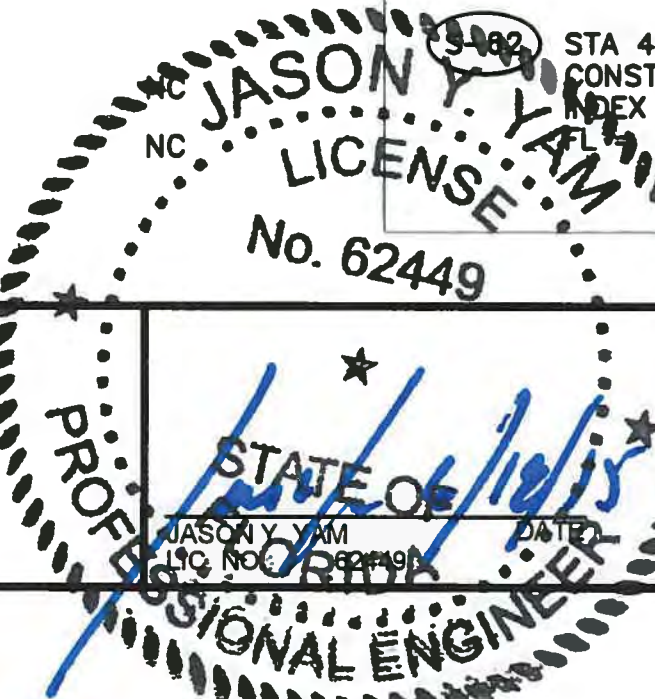
DESIGNED JCC
 DRAWN JCC
 APPROVED



LEGEND

- PAVEMENT REMOVAL
- MILL AND RESURFACE

S-59	STA 231+61.82 (26.25 LT) CONST MITERED END SECTION INDEX 272 FL = 28.20	S-63	STA 601+01.89 (52.65 LT) CONST MITERED END SECTION INDEX 272 FL = 25.00
S-60	STA 231+60.82 (45.54 RT) CONST MITERED END SECTION INDEX 272 FL = 25.00	S-64	STA 600+95.00 (53.28 LT) CONST MITERED END SECTION INDEX 272 FL = 25.00
S-61	STA 400+84.86 (35.53 LT) CONST MITERED END SECTION INDEX 272 FL = 28.20	S-65	CONST TYPE 'C' FDOT INDEX 232 MODIFIED DBI (SEE OUTFALL CONTROL STRUCTURE DETAILS SHEET) STA 601+47.18 (40.11 RT)
S-62	STA 401+14.38 (61.90 RT) CONST MITERED END SECTION INDEX 272 FL = 25.00	S-66	STA 602+38.60 (26.92 RT) CONST MITERED END SECTION INDEX 272 FL = 24.50



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

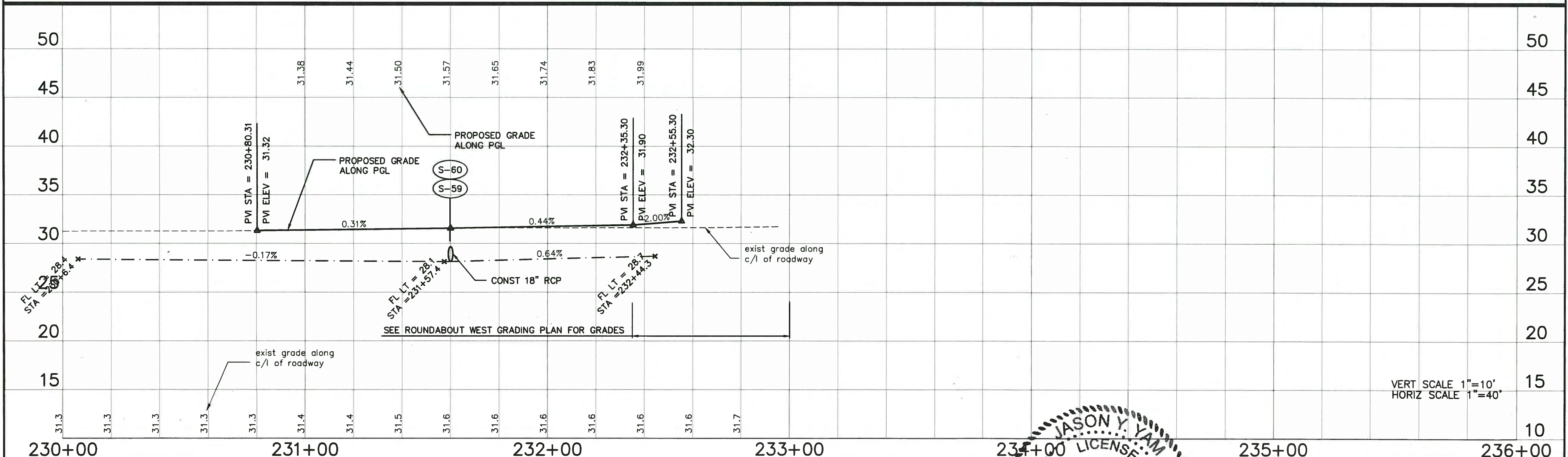
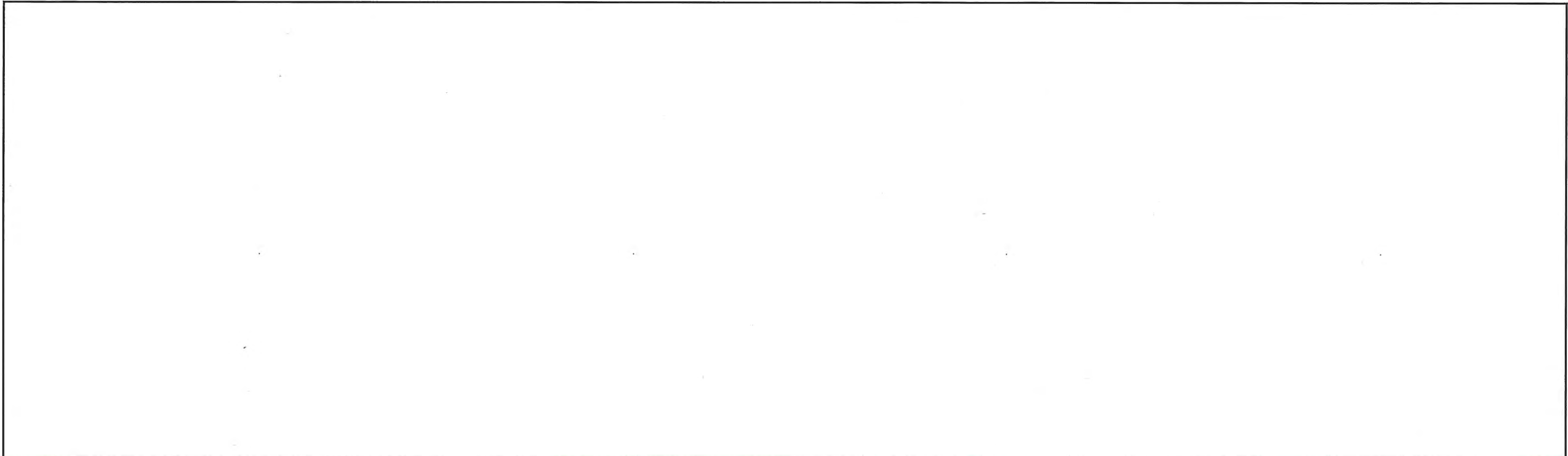
**44TH AVENUE EAST
ROADWAY EXTENSION**

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Shaping the Future
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33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29815

PLAN
**30TH STREET EAST
27TH STREET EAST**

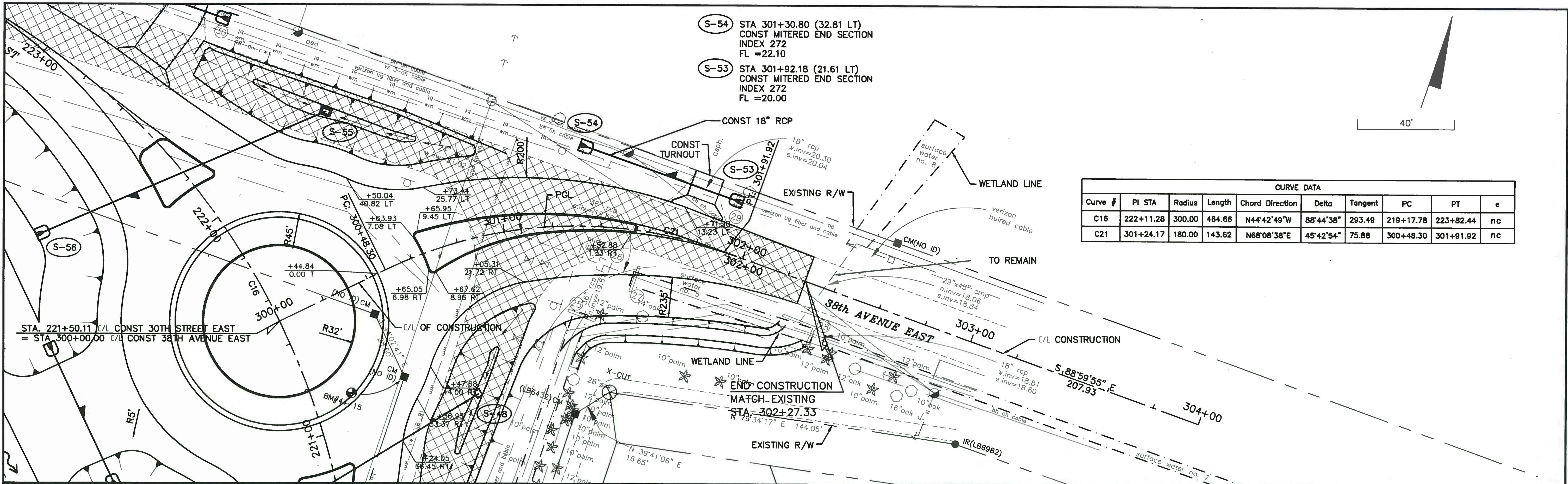
PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	41

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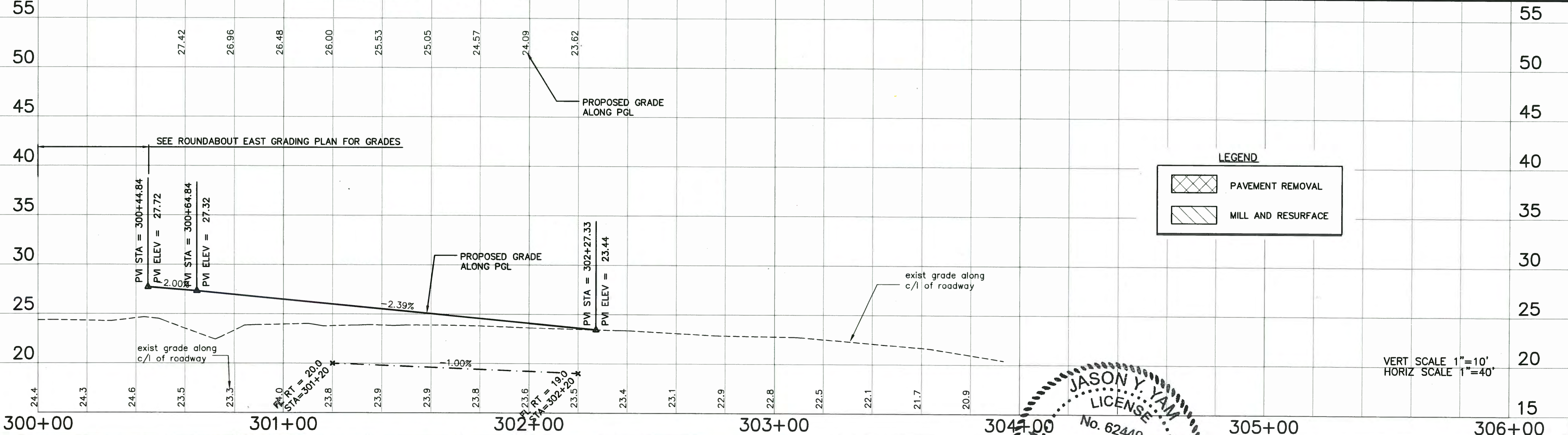
VERT. SCALE 1"=10'
HORIZ. SCALE 1"=40'

NO.	DESCRIPTION	BY	DATE	MANATEE COUNTY	44TH AVENUE EAST ROADWAY EXTENSION			<table border="1"> <tr><td>DESIGNED</td><td>JCC</td></tr> <tr><td>DRAWN</td><td>JCC</td></tr> <tr><td>CHECKED</td><td>JCC</td></tr> <tr><td>APPROVED</td><td></td></tr> </table>	DESIGNED	JCC	DRAWN	JCC	CHECKED	JCC	APPROVED		<table border="1"> <tr><td>PROJECT NO:</td><td>00193-001-18</td></tr> <tr><td>DATE:</td><td>6-17-2015</td></tr> <tr><td>SHEET NO:</td><td>42</td></tr> </table>	PROJECT NO:	00193-001-18	DATE:	6-17-2015	SHEET NO:	42
DESIGNED	JCC																						
DRAWN	JCC																						
CHECKED	JCC																						
APPROVED																							
PROJECT NO:	00193-001-18																						
DATE:	6-17-2015																						
SHEET NO:	42																						



- S-54 STA 301+30.80 (32.81 LT)
CONST MITERED END SECTION
INDEX 272
FL = 22.10
- S-53 STA 301+92.18 (21.61 LT)
CONST MITERED END SECTION
INDEX 272
FL = 20.00

CURVE DATA									
Curve #	PI STA	Radius	Length	Chord Direction	Delta	Tangent	PC	PT	e
C16	222+11.28	300.00	464.66	N44°42'49"W	88°44'38"	293.49	219+17.78	223+82.44	nc
C21	301+24.17	180.00	143.62	N68°08'38"E	45°42'54"	75.88	300+48.30	301+91.92	nc



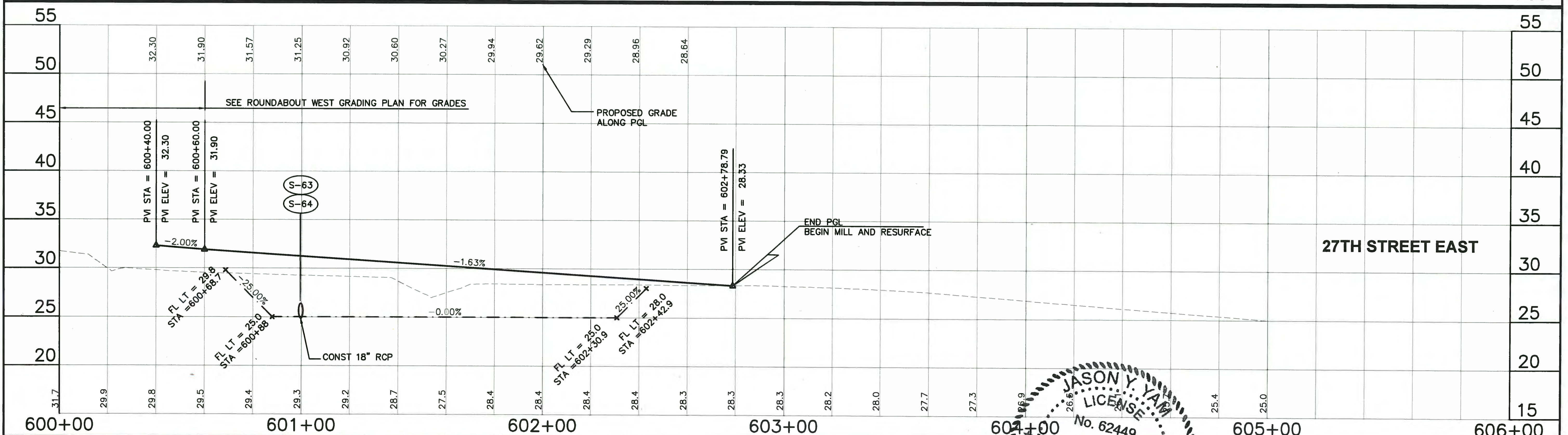
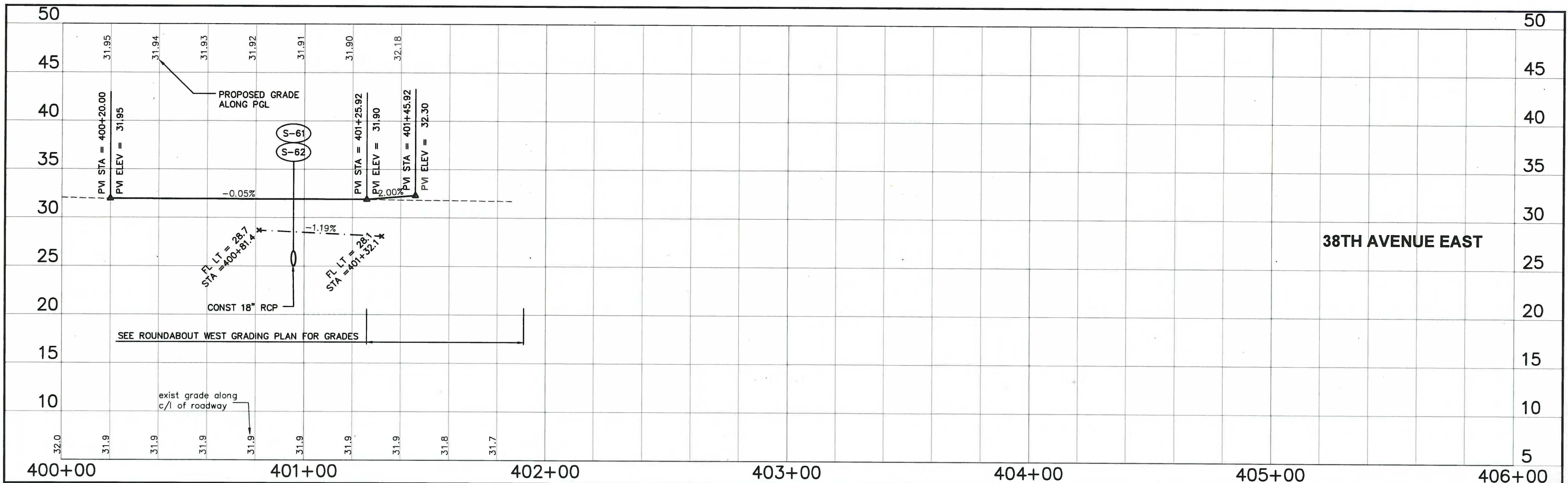
LEGEND

- PAVEMENT REMOVAL
- MILL AND RESURFACE

JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

	MANATEE COUNTY	44TH AVENUE EAST ROADWAY EXTENSION	Cardno Shaping the Future 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759 TEL: (727) 531-3505 (800) 861-8314 www.cardno.com Certificate of Authorization No. 29815	DESIGNED: JCC DRAWN: JCC APPROVED:	PLAN AND PROFILE 38TH AVENUE EAST	PROJECT NO: 00193-001-18 DATE: 6-17-2015 SHEET NO: 43
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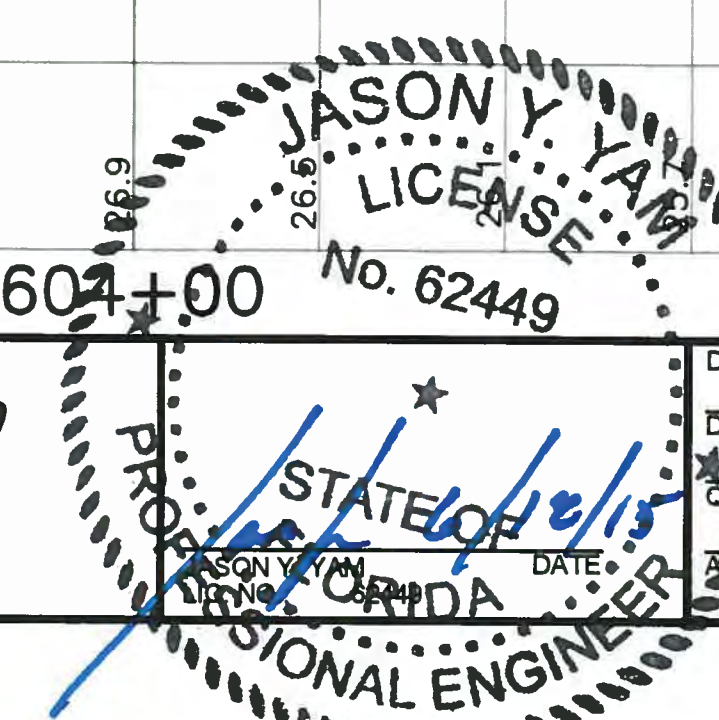


NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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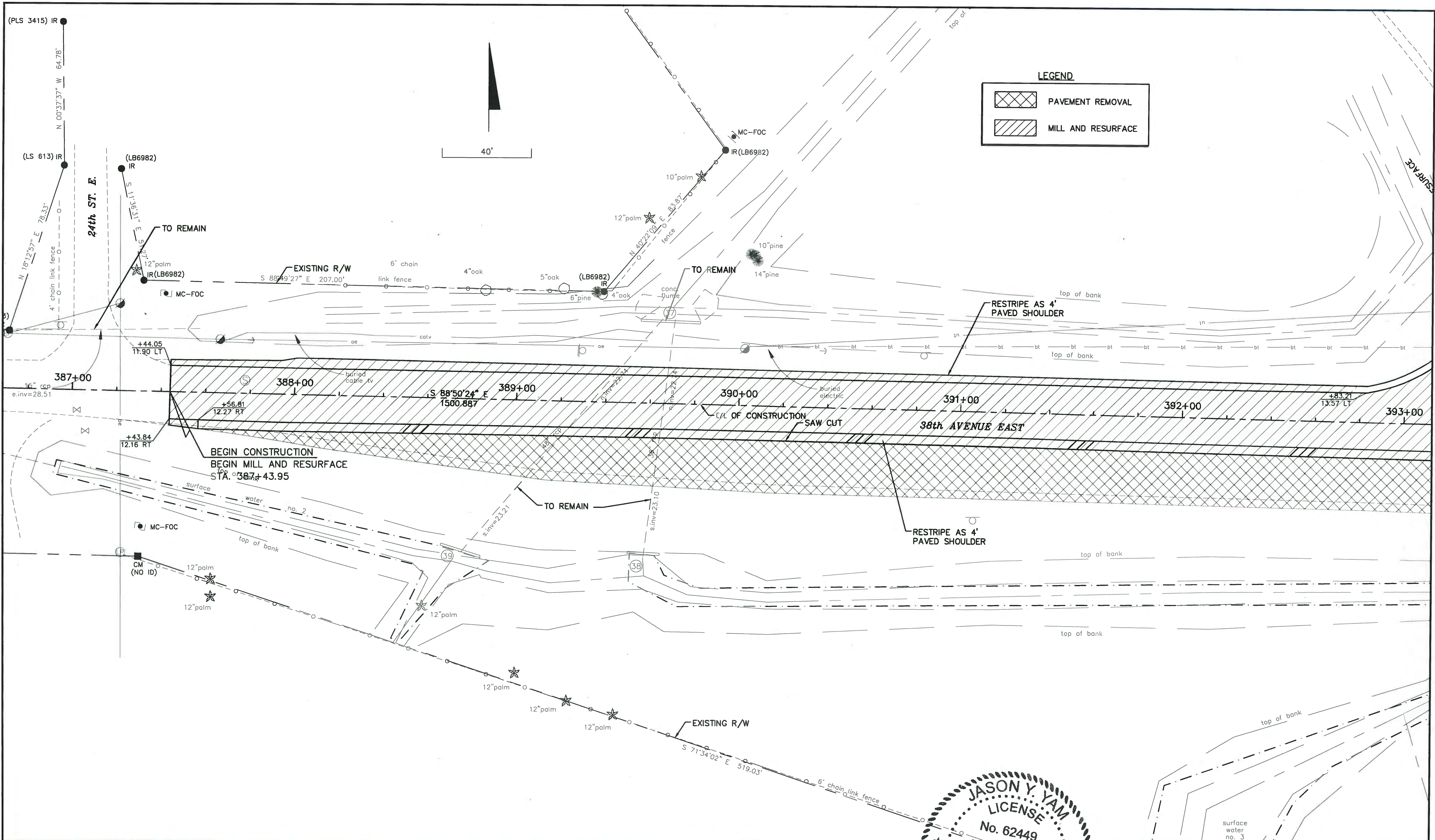


DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

**PROFILE
27TH STREET EAST
38TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	44

FILE: J:\00193\00193001\18\ACAD\dwg\PP19300118-1.dwg LAST SAVED: Tue, 06/16/15 4:21p PLOTTED: Tue, 06/16/15 5:12p BY: John Hutchison



LEGEND

	PAVEMENT REMOVAL
	MILL AND RESURFACE

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

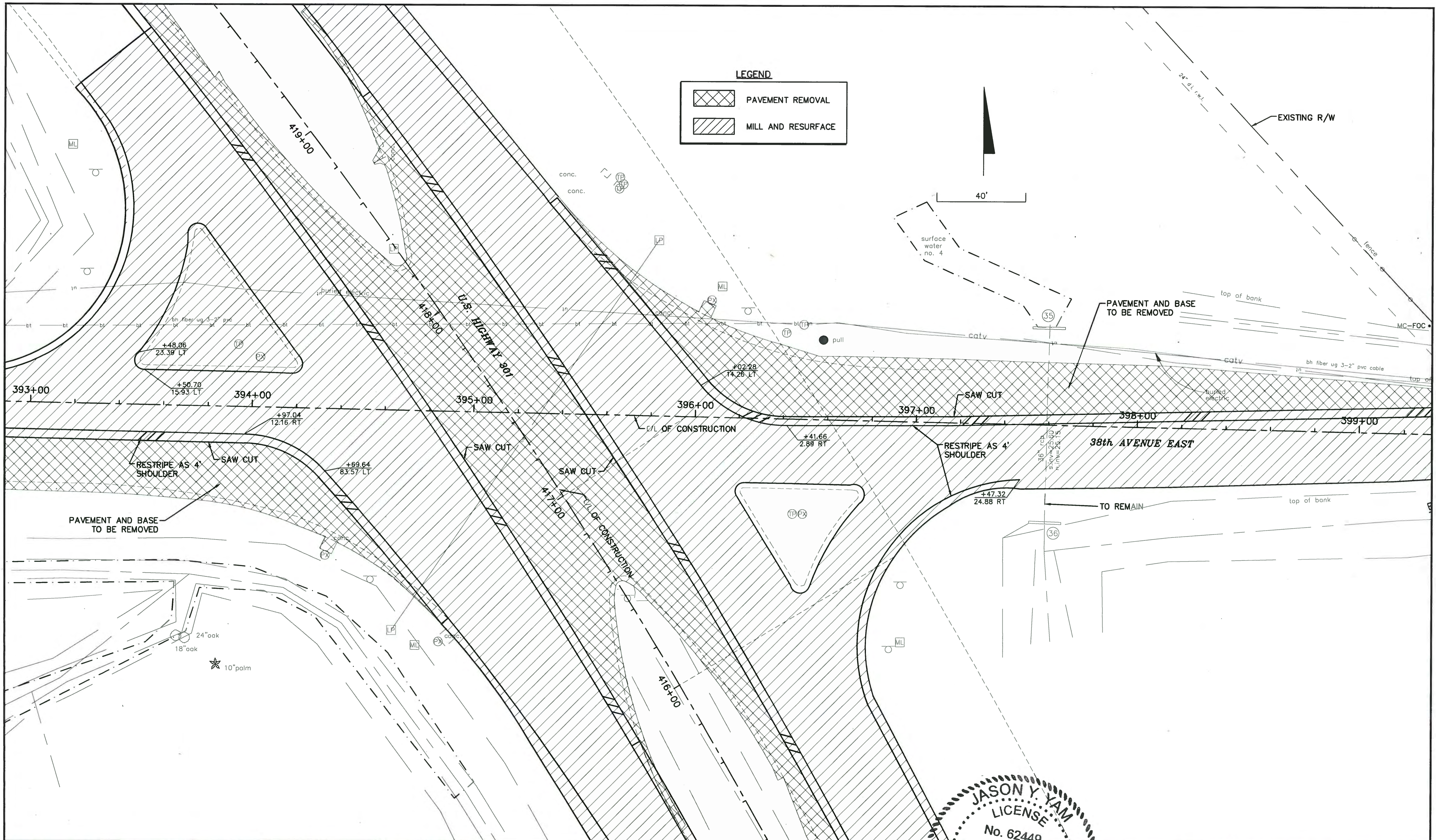
Cardno
 Shaping the Future
 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
 33759 TEL: (727) 531-3505 (800) 861-8314
 www.cardno.com Certificate of Authorization No. 29915

DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

**PLAN
38TH AVENUE EAST**

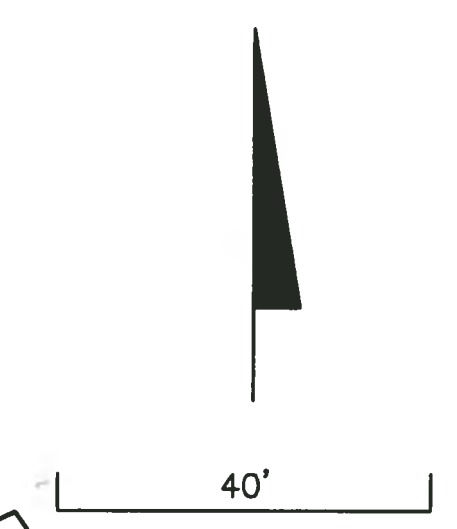
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DATE:	6-17-2015
SHEET NO:	45

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LEGEND

	PAVEMENT REMOVAL
	MILL AND RESURFACE



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
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www.cardno.com Certificate of Authorization No. 29915

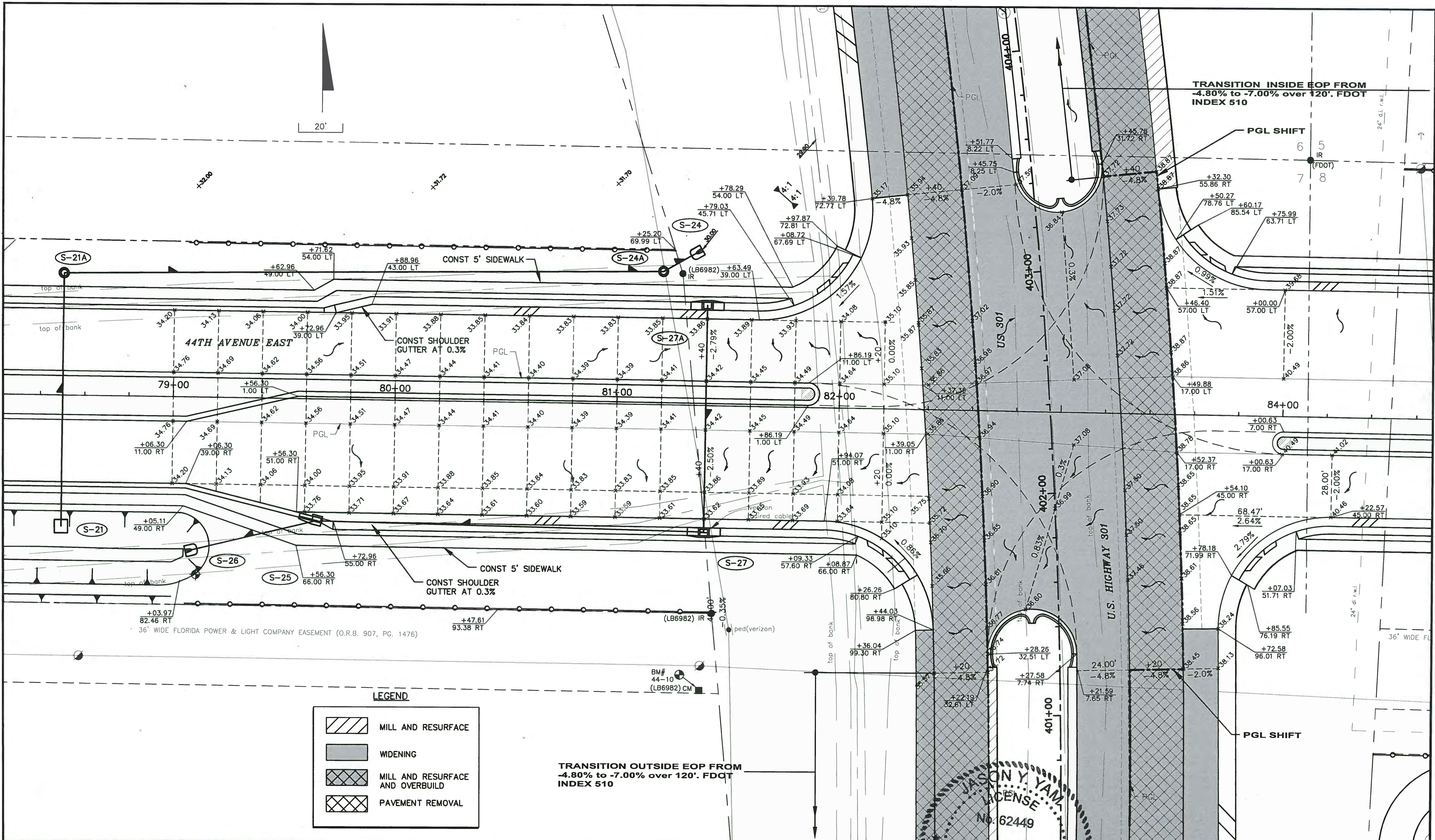
JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED	JCC
DRAWN	JCC
IN CHARGE	JCC
APPROVED	

**PLAN
38TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	46

FILE: J:\00193\00193001.18\ACAD\dwg\PP19300118-1.dwg LAST SAVED: Tue, 06/16/15 4:21p PLOTTED: Tue, 06/16/15 5:13p BY: John Hutchison



LEGEND

	MILL AND RESURFACE
	WIDENING
	MILL AND RESURFACE AND OVERBUILD
	PAVEMENT REMOVAL

TRANSITION OUTSIDE EOP FROM
-4.80% to -7.00% over 120'. FDOT
INDEX 510

JASON Y. YAM
LICENSE
No. 62449
PROFESSIONAL ENGINEER
STATE OF FLORIDA

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST
ROADWAY EXTENSION

Cardno
Shaping the Future
380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
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DESIGNED JCC
DRAWN JCC
APPROVED

INTERSECTION GRADING
US 301 AND 44TH AVE EAST

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
47

(LB6982) IR

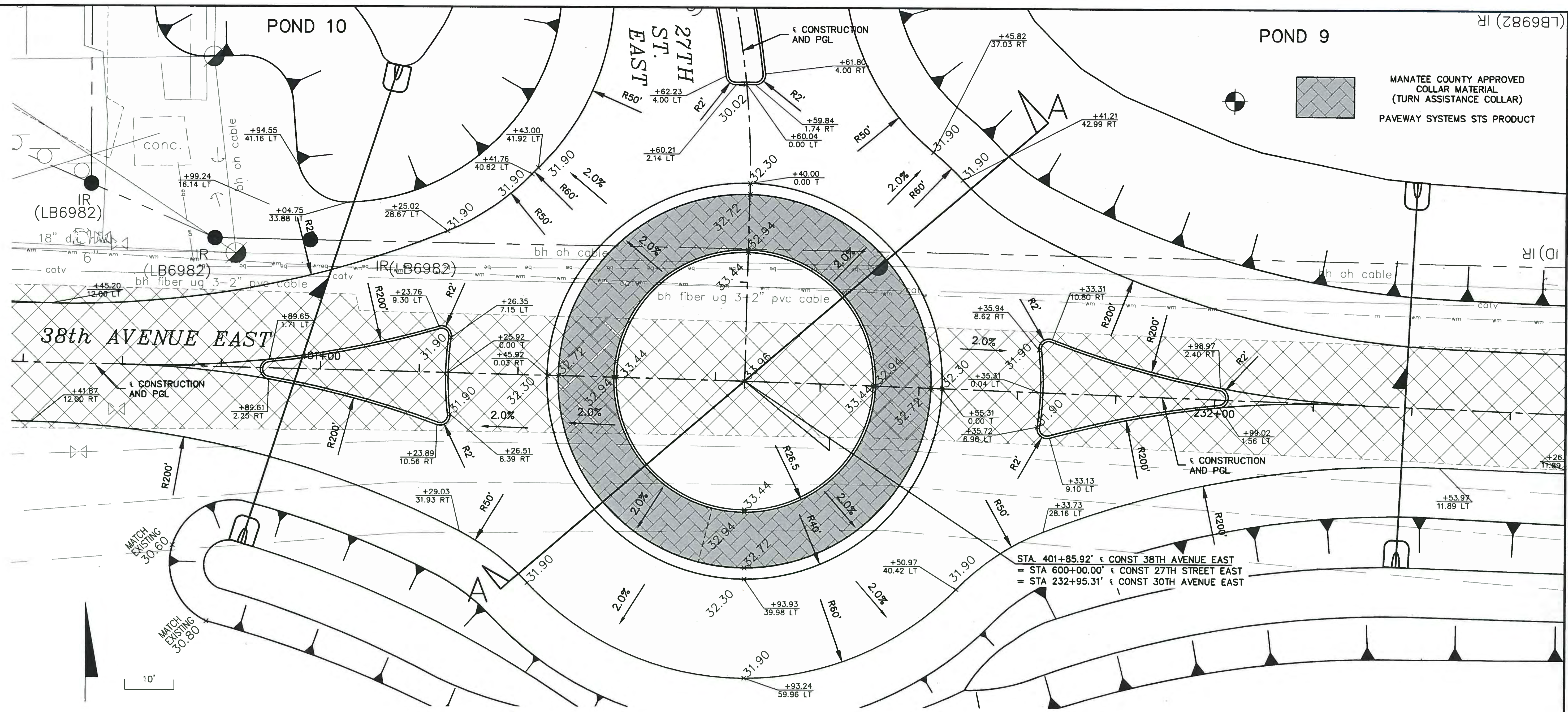
POND 10

POND 9

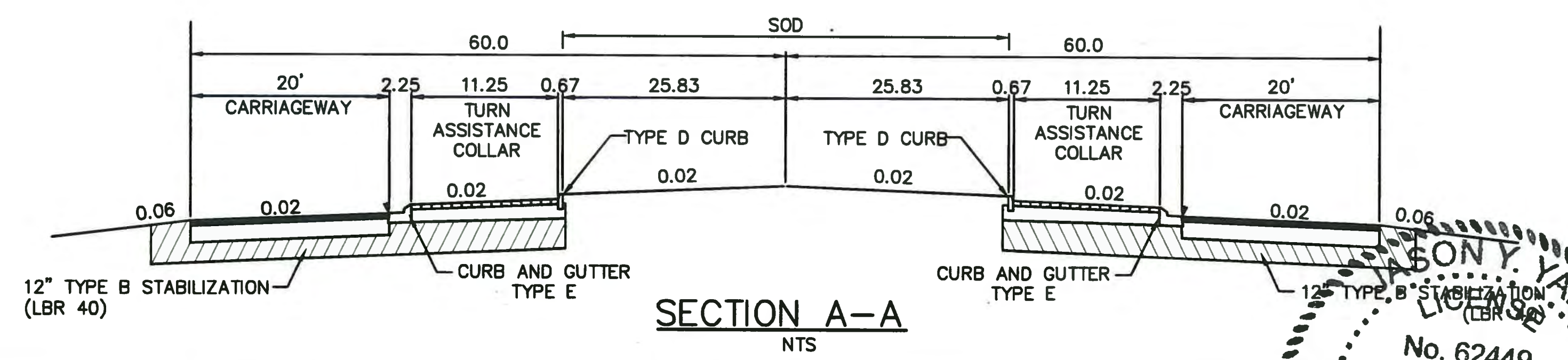
27TH ST. EAST

38th AVENUE EAST

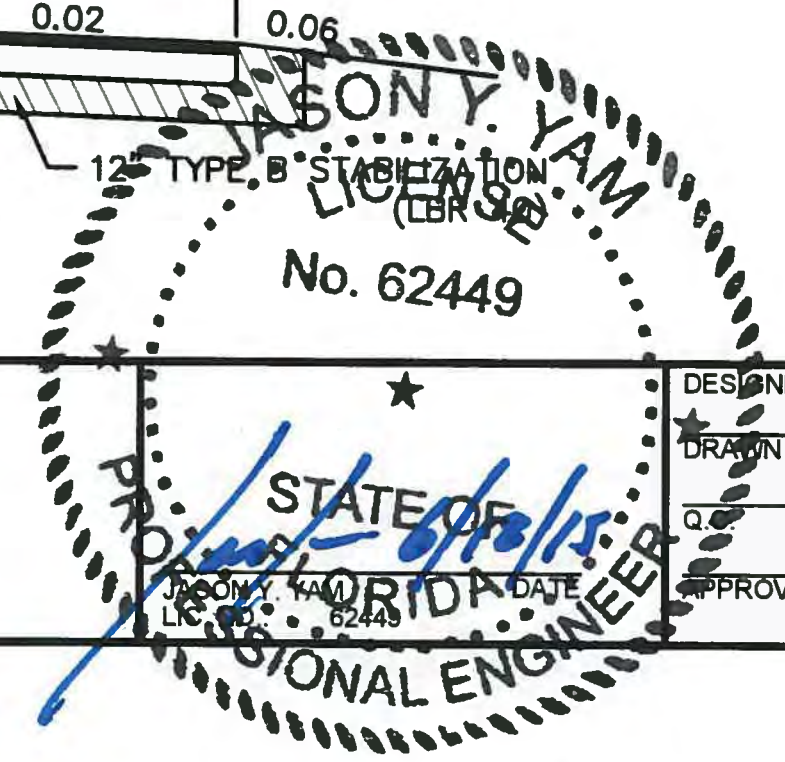
MANATEE COUNTY APPROVED COLLAR MATERIAL (TURN ASSISTANCE COLLAR) PAVEWAY SYSTEMS STS PRODUCT



STA. 401+85.92' ± CONST 38TH AVENUE EAST
 = STA 600+00.00' ± CONST 27TH STREET EAST
 = STA 232+95.31' ± CONST 30TH AVENUE EAST



SECTION A-A
NTS



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

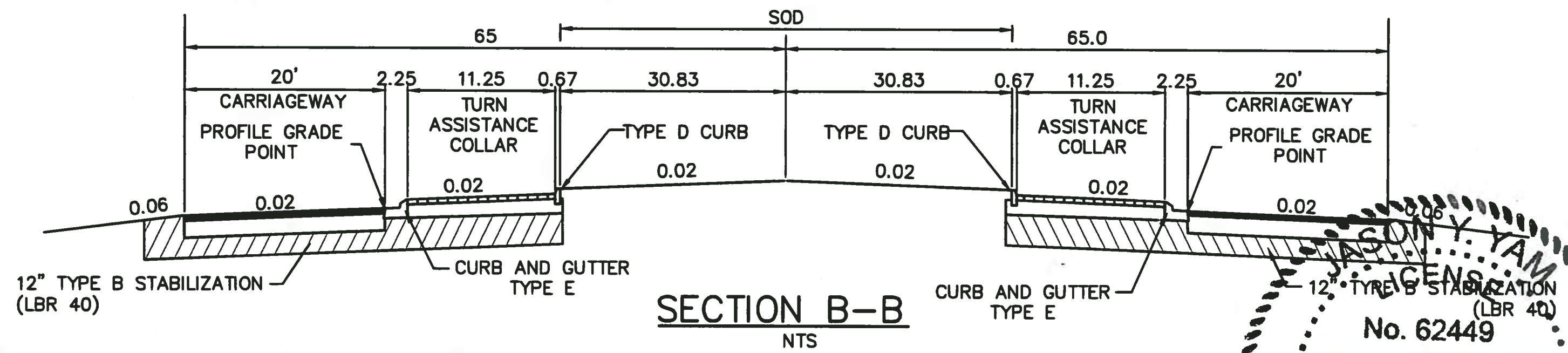
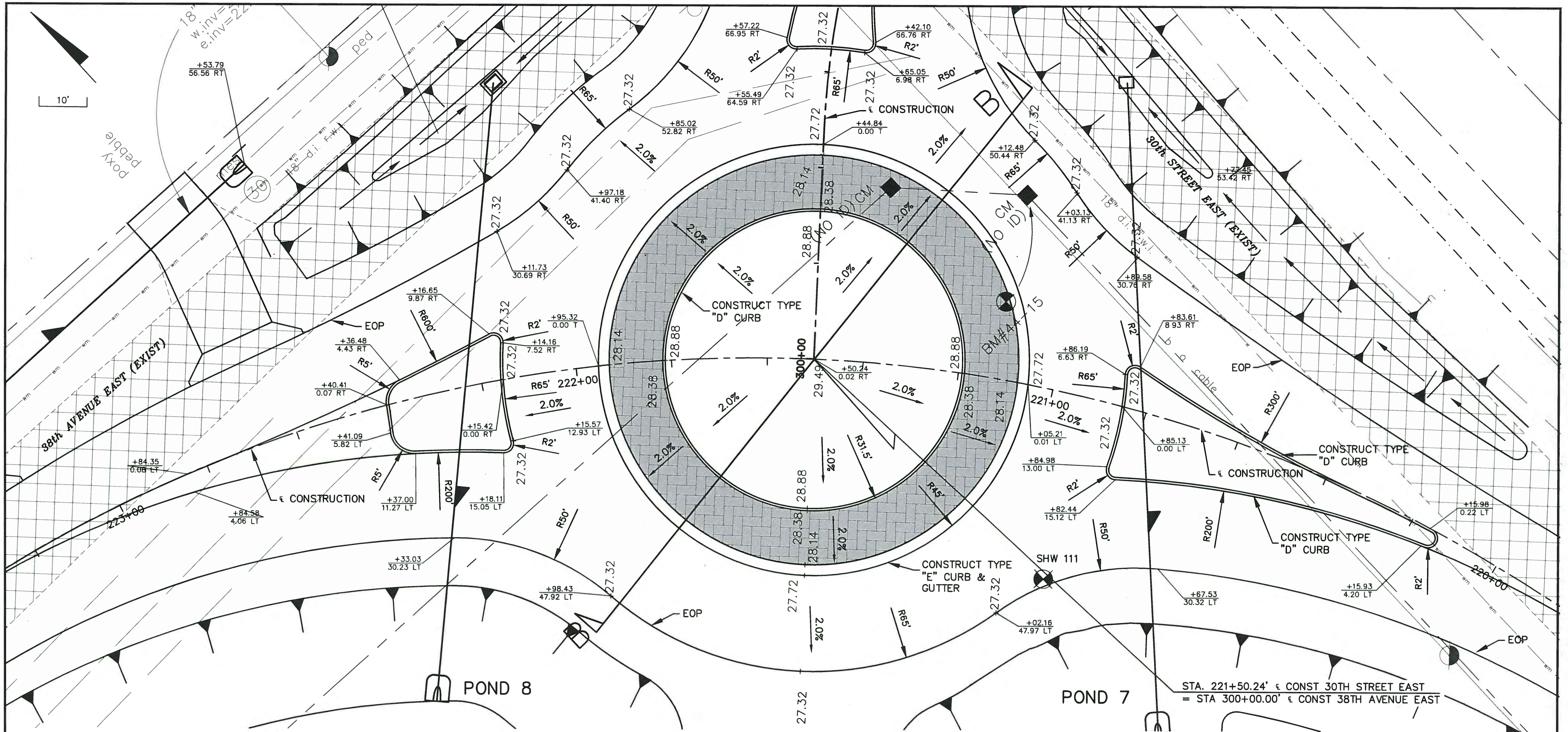
44TH AVENUE EAST ROADWAY EXTENSION


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 Shaping the Future
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 33759 TEL: (727) 531-3305 (800) 861-8314
 www.cardno.com Certificate of Authorization No. 29915

DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

INTERSECTION GRADING ROUNDABOUT WEST

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	48



 MANATEE COUNTY APPROVED COLLAR MATERIAL (TURN ASSISTANCE COLLAR)
 PAVEMENT SYSTEMS STS

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST ROADWAY EXTENSION

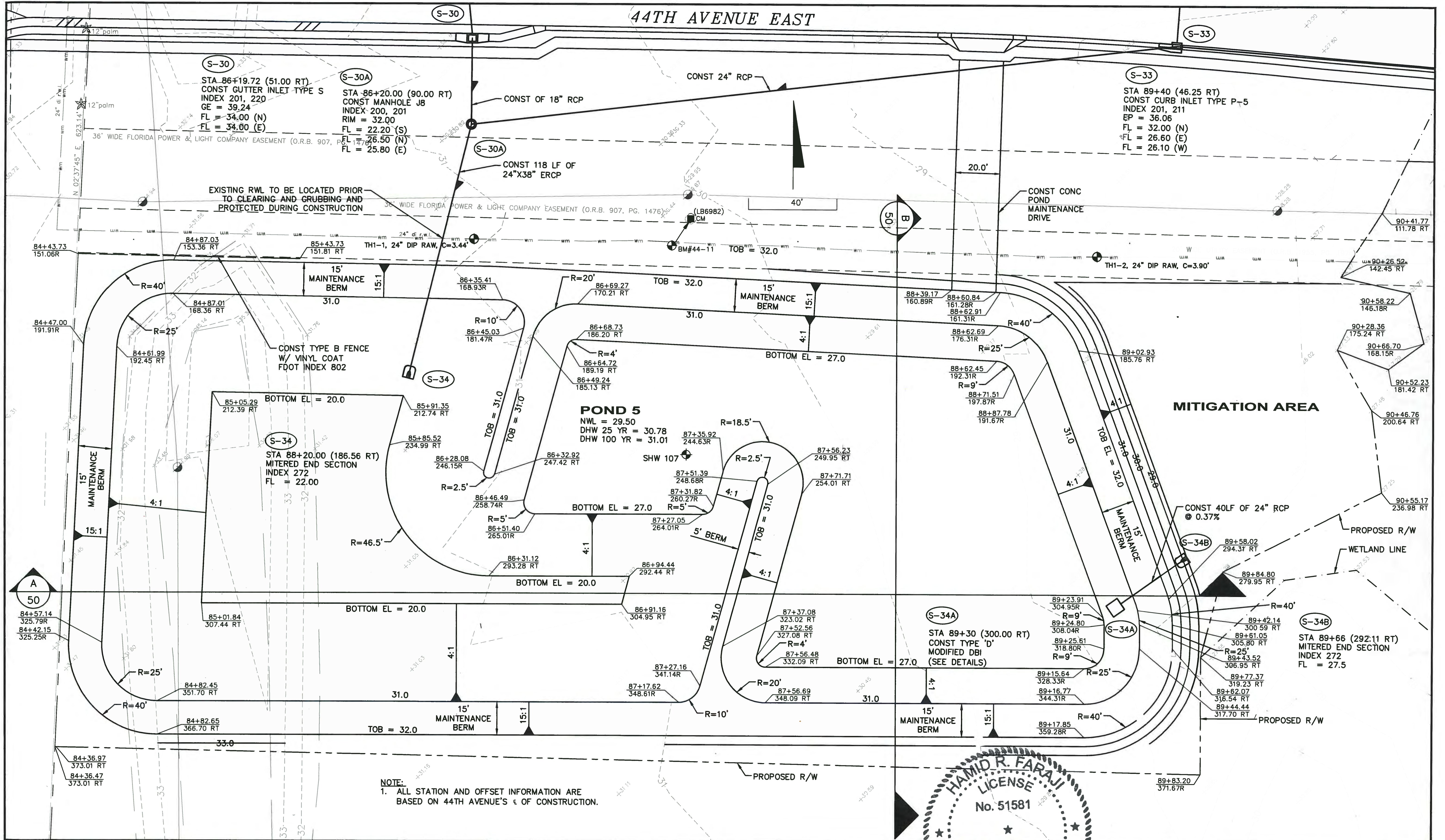
 **Cardno**
 Shaping the Future
 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759
 TEL: (727) 531-3505 (800) 861-8314
 www.cardno.com Certificate of Authorization No. 23915

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 No. 62449

DESIGNED: JCC
 DRAWN: JCC
 C.C.:
 APPROVED:

INTERSECTION GRADING ROUNDABOUT EAST

PROJECT NO: 00193-001-18
 DATE: 6-17-2015
 SHEET NO: 49



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

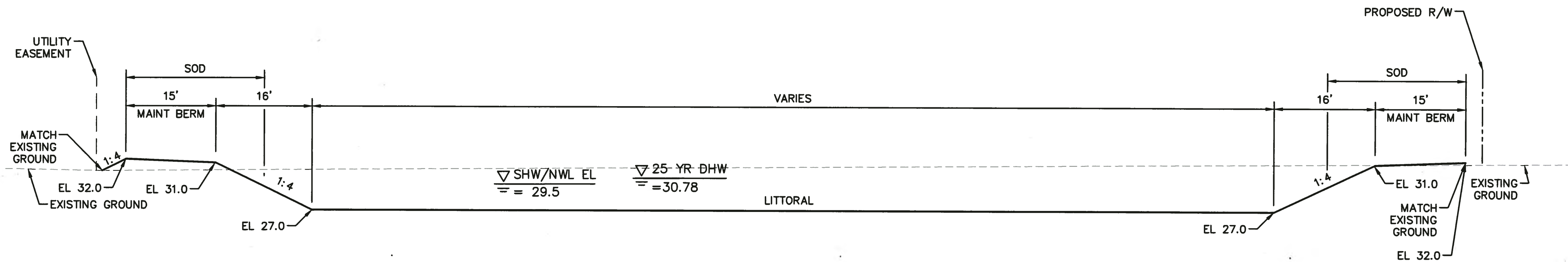
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HAMID R. FARAJI
LICENSE
No. 51581
STATE OF FLORIDA
PROFESSIONAL ENGINEER

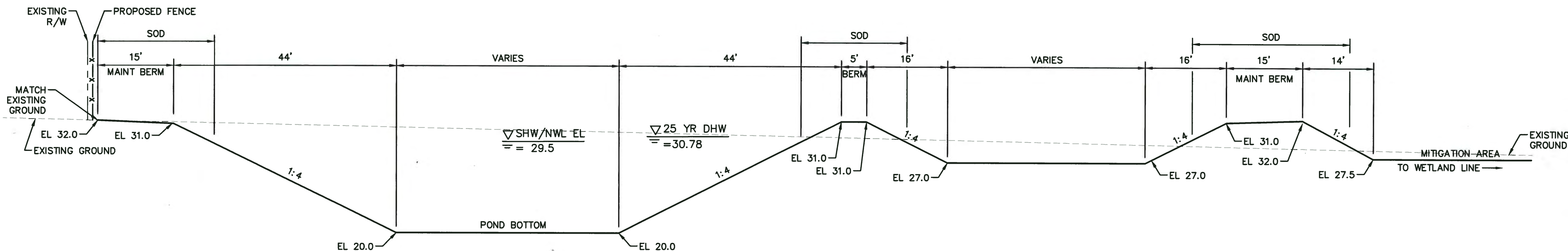
DESIGNED	HRF
DRAWN	JJH
Q.C.	
APPROVED	

POND 5 SITE PLAN

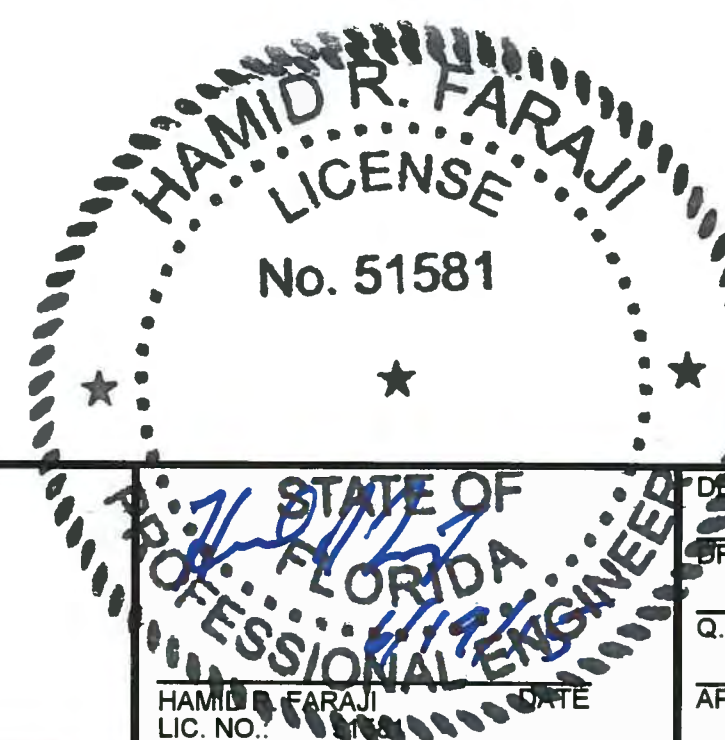
PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	50



B
50 POND 5 44TH AVENUE
NTS



A
50 POND 5 44TH AVENUE
NTS



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST
ROADWAY EXTENSION

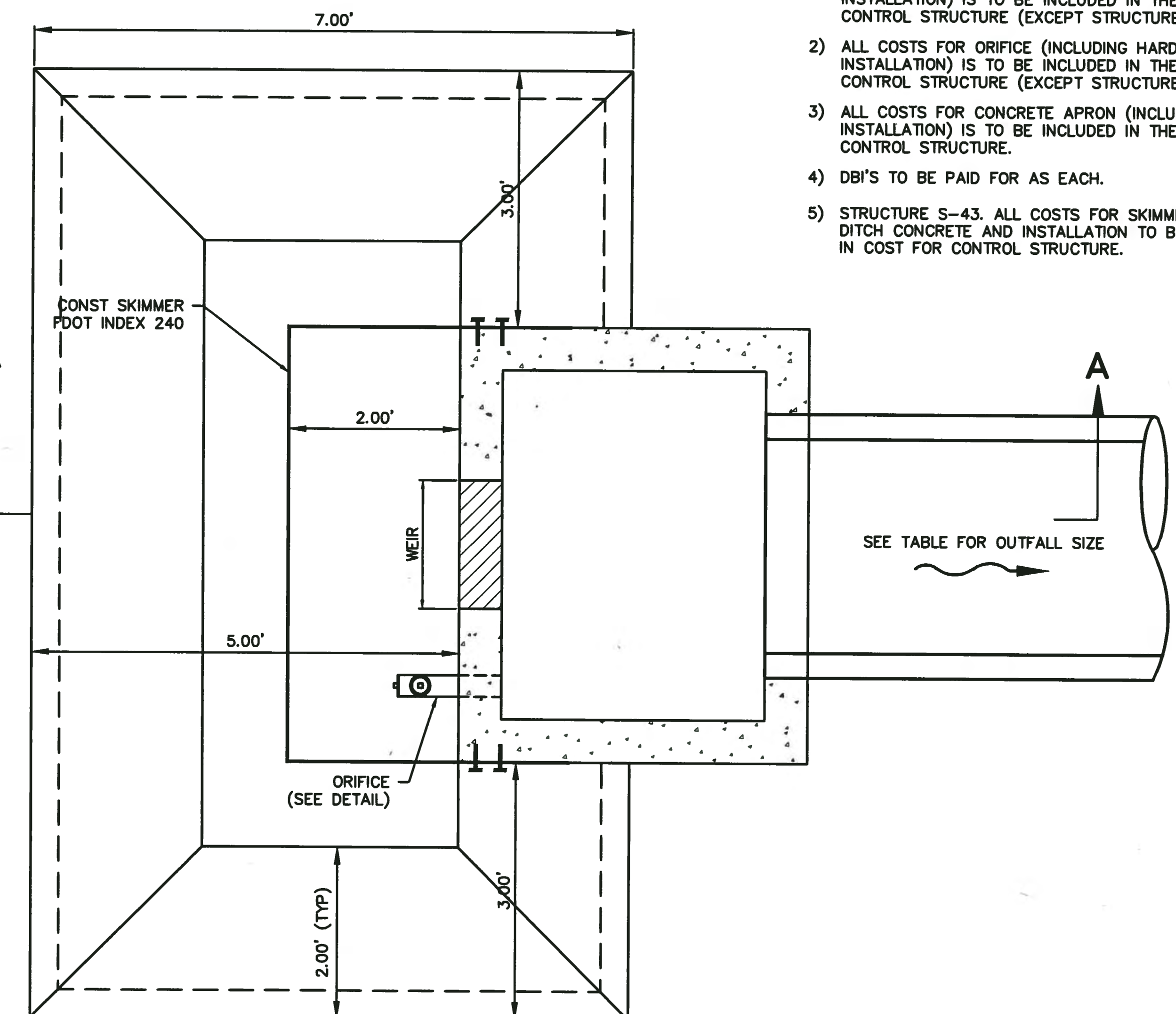
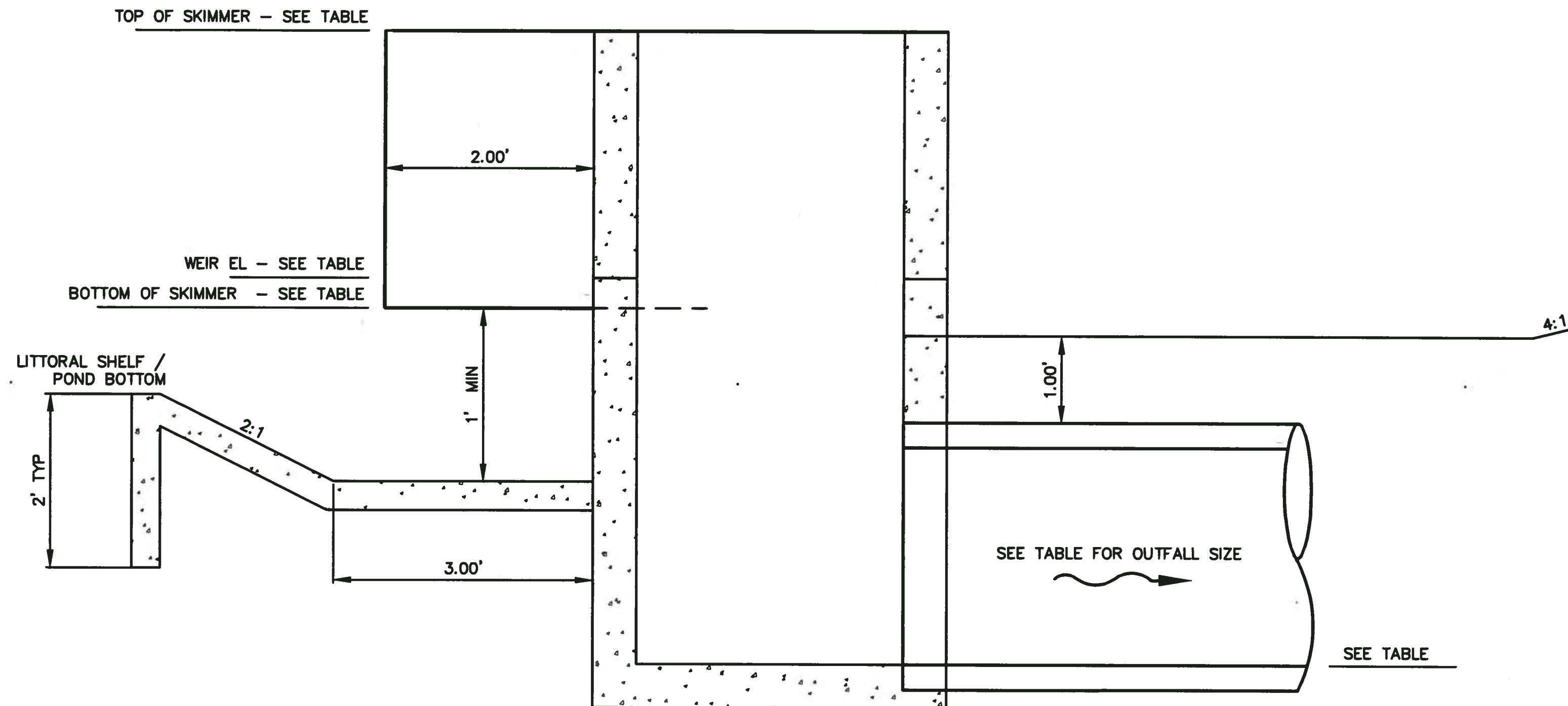
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DESIGNED HRF
DRAWN JHJ
Q.C.
APPROVED

POND 5 TYPICAL
SECTIONS

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
51

- NOTES:**
- 1) ALL COSTS FOR SKIMMER (INCLUDING HARDWARE AND INSTALLATION) IS TO BE INCLUDED IN THE COST OF CONTROL STRUCTURE (EXCEPT STRUCTURE S-43).
 - 2) ALL COSTS FOR ORIFICE (INCLUDING HARDWARE AND INSTALLATION) IS TO BE INCLUDED IN THE COST OF CONTROL STRUCTURE (EXCEPT STRUCTURE S-43).
 - 3) ALL COSTS FOR CONCRETE APRON (INCLUDING HARDWARE AND INSTALLATION) IS TO BE INCLUDED IN THE COST OF CONTROL STRUCTURE.
 - 4) DBI'S TO BE PAID FOR AS EACH.
 - 5) STRUCTURE S-43. ALL COSTS FOR SKIMMER, ORIFACE, DITCH CONCRETE AND INSTALLATION TO BE INCLUDED IN COST FOR CONTROL STRUCTURE.

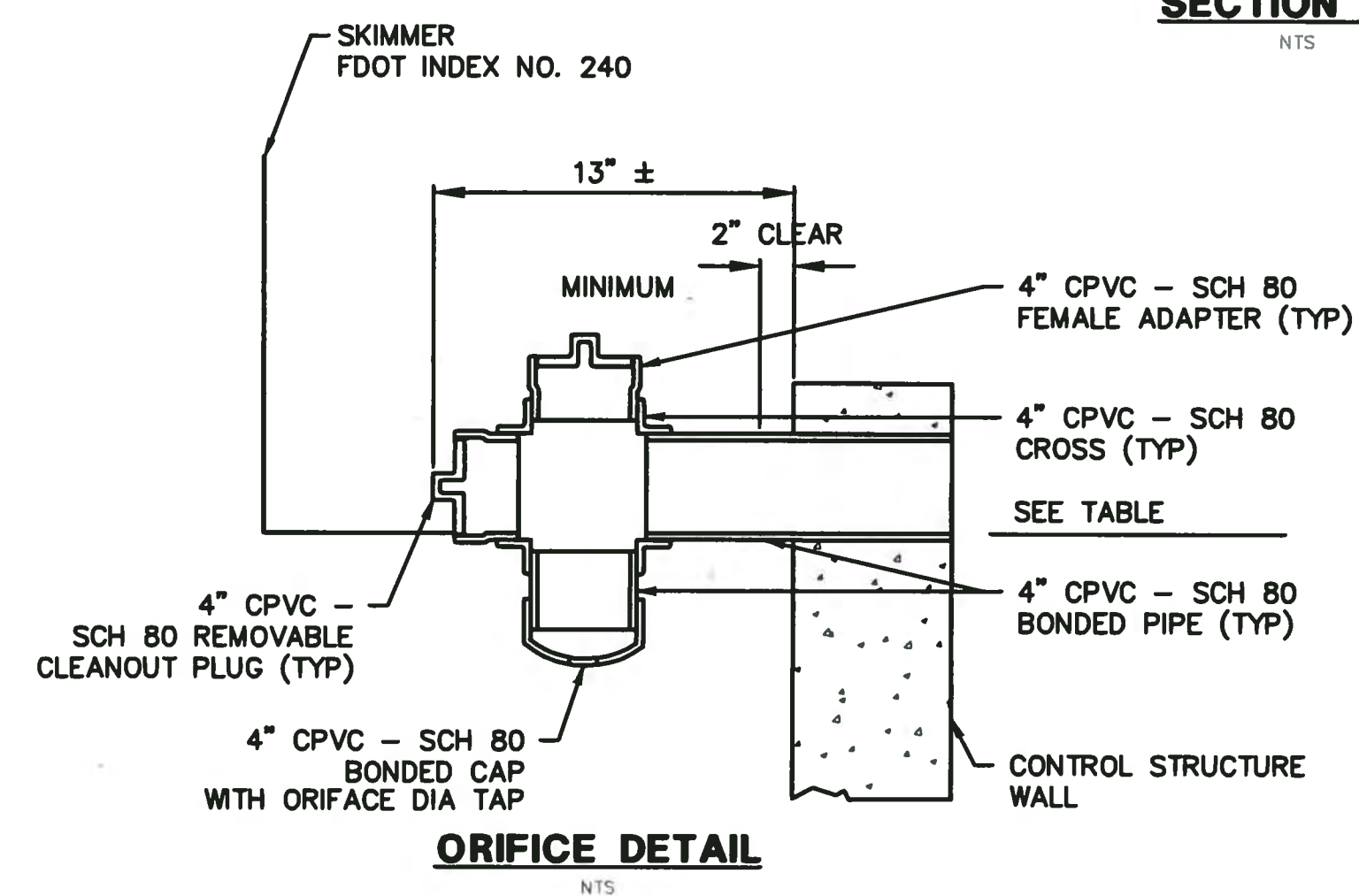


SECTION A-A
NTS

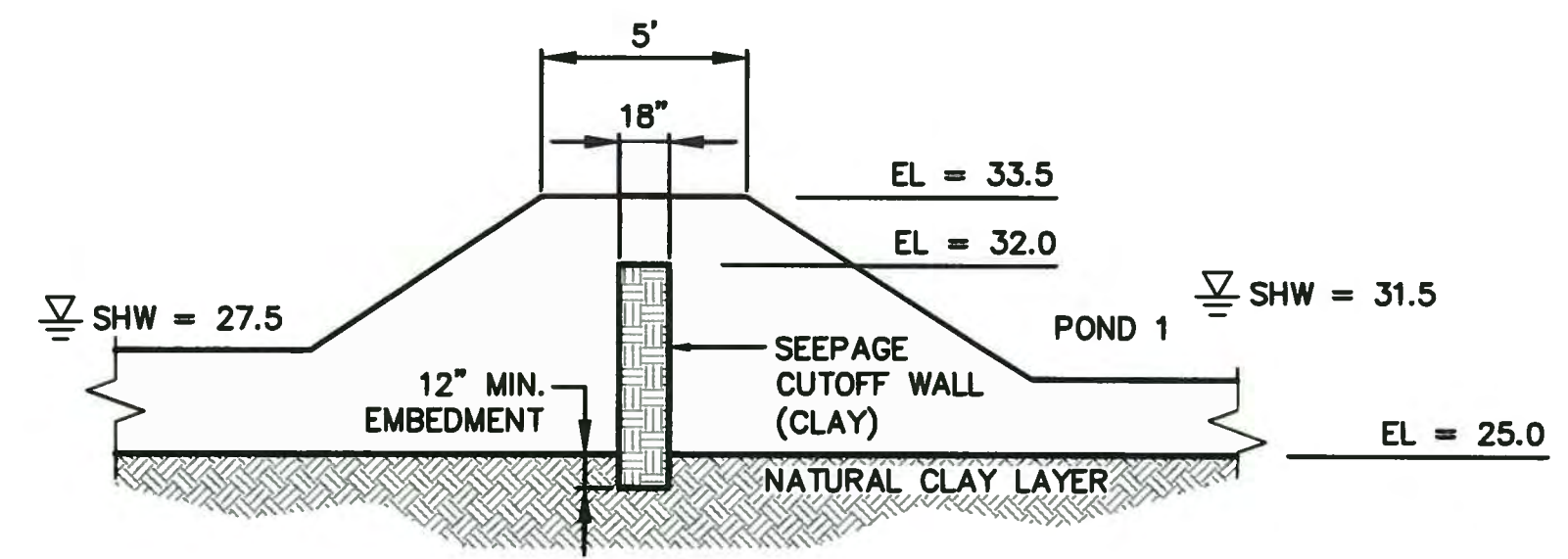
**OUTFALL CONTROL STRUCTURE
STRUCTURE INFORMATION**

Pond	Structure		Orifice		Weir		Skimmer EL		Outfall Pipe		
	Number	Type	Top EL	Diam (in)	EL	Width (in)	EL	Top	Bottom	Size (in)	FL
1,2,3 & 4	S-21	D	33.25	1.87	31.10	30W, 6H	31.42	33.25	30.75	18	30.60
5	S-34A	D	31.00	1.31	29.50	18	29.77	31.00	29.40	24	27.70
7 & 8	S-47A	D	26.00	0.56	23.00	24W, 18H	23.40	26.00	23.00	24	21.25
9&10	S-65	C	28.75	0.66	26.90	12W, 6H	27.10	28.75	26.75	18	25.25

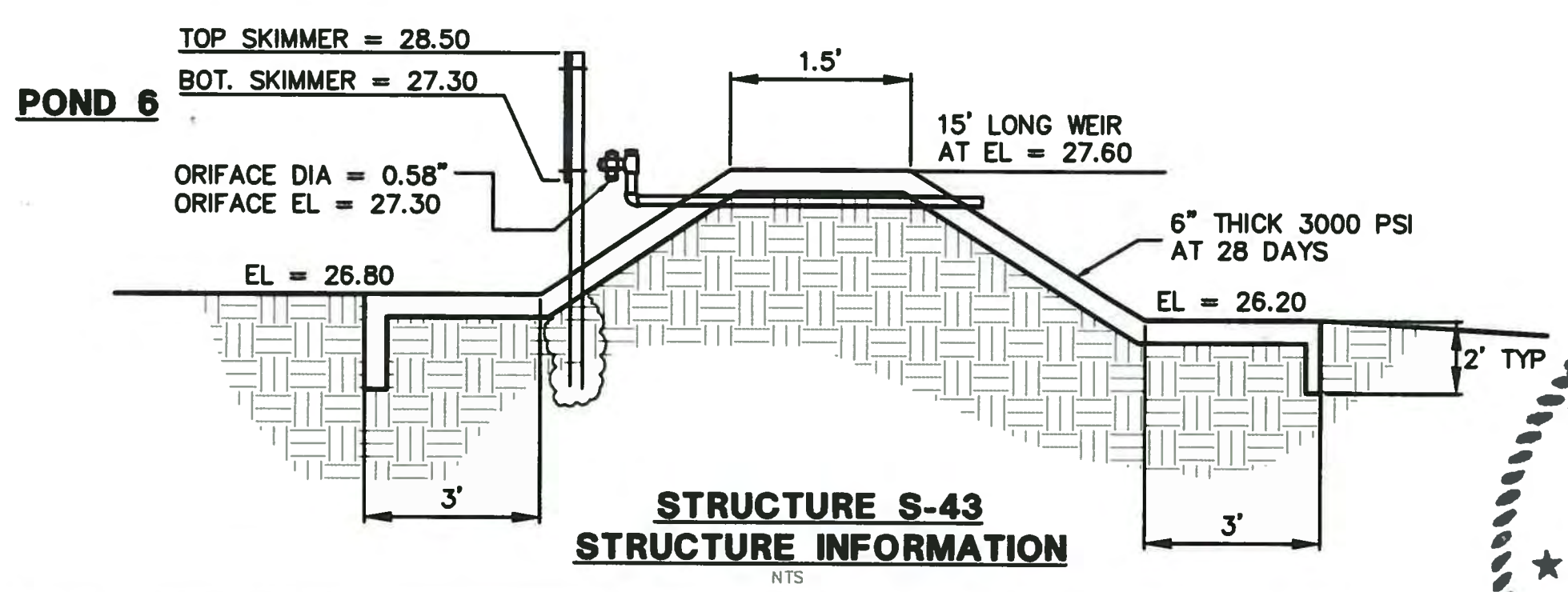
PLAN
NTS



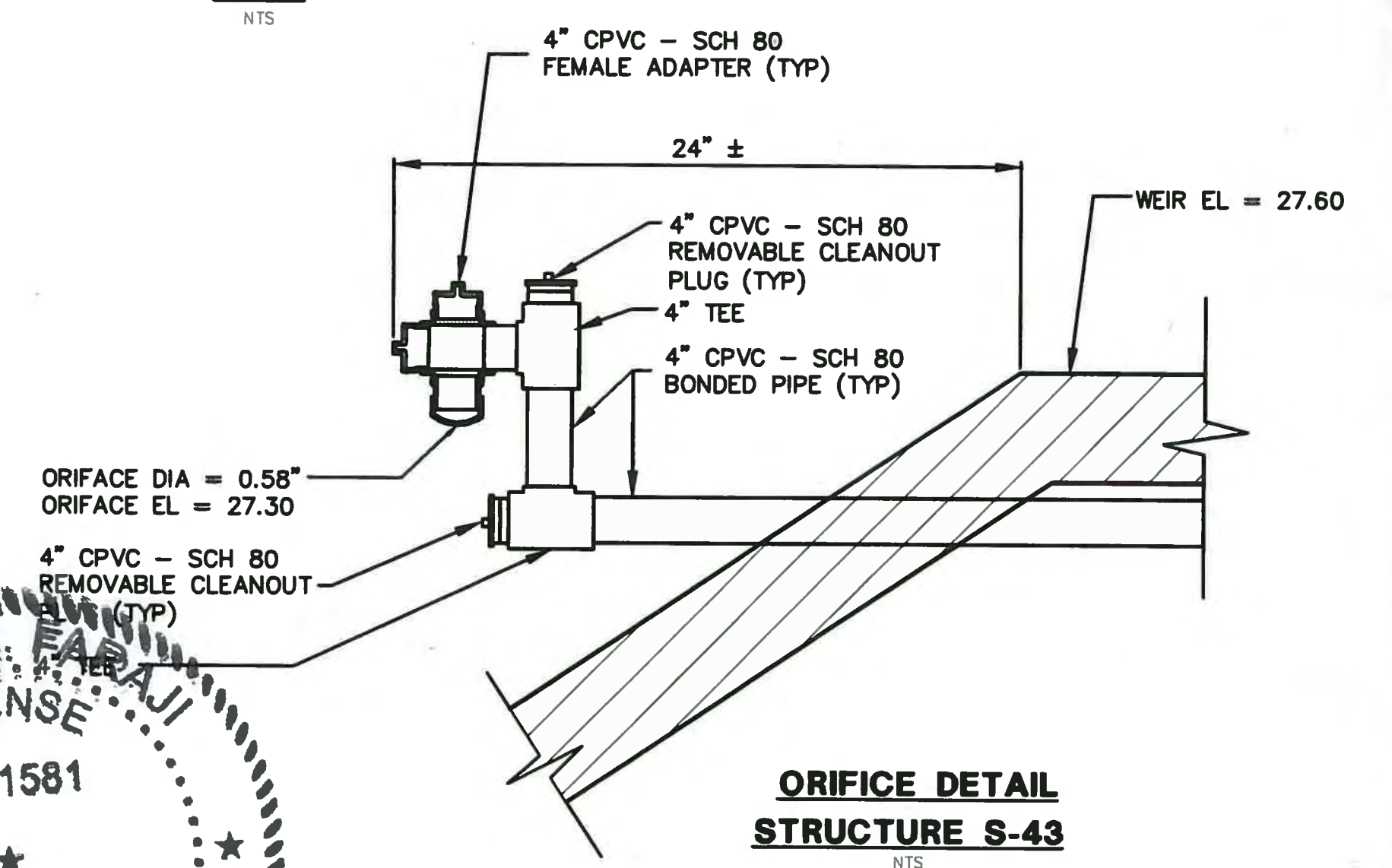
ORIFICE DETAIL
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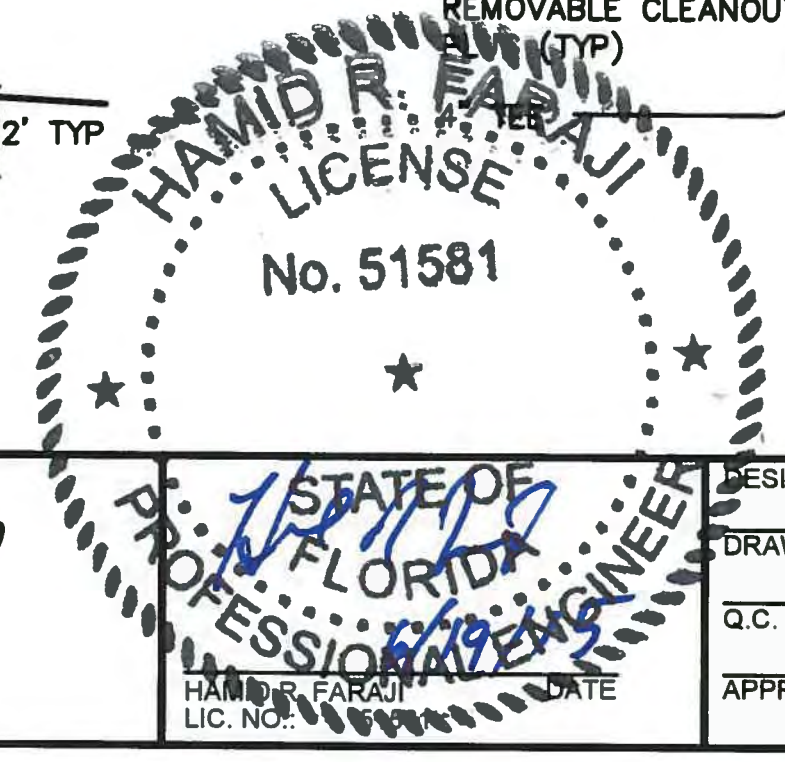
**SEEPAGE CUTOFF
WALL DETAIL**
NTS



**STRUCTURE S-43
STRUCTURE INFORMATION**
NTS



**ORIFICE DETAIL
STRUCTURE S-43**
NTS



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

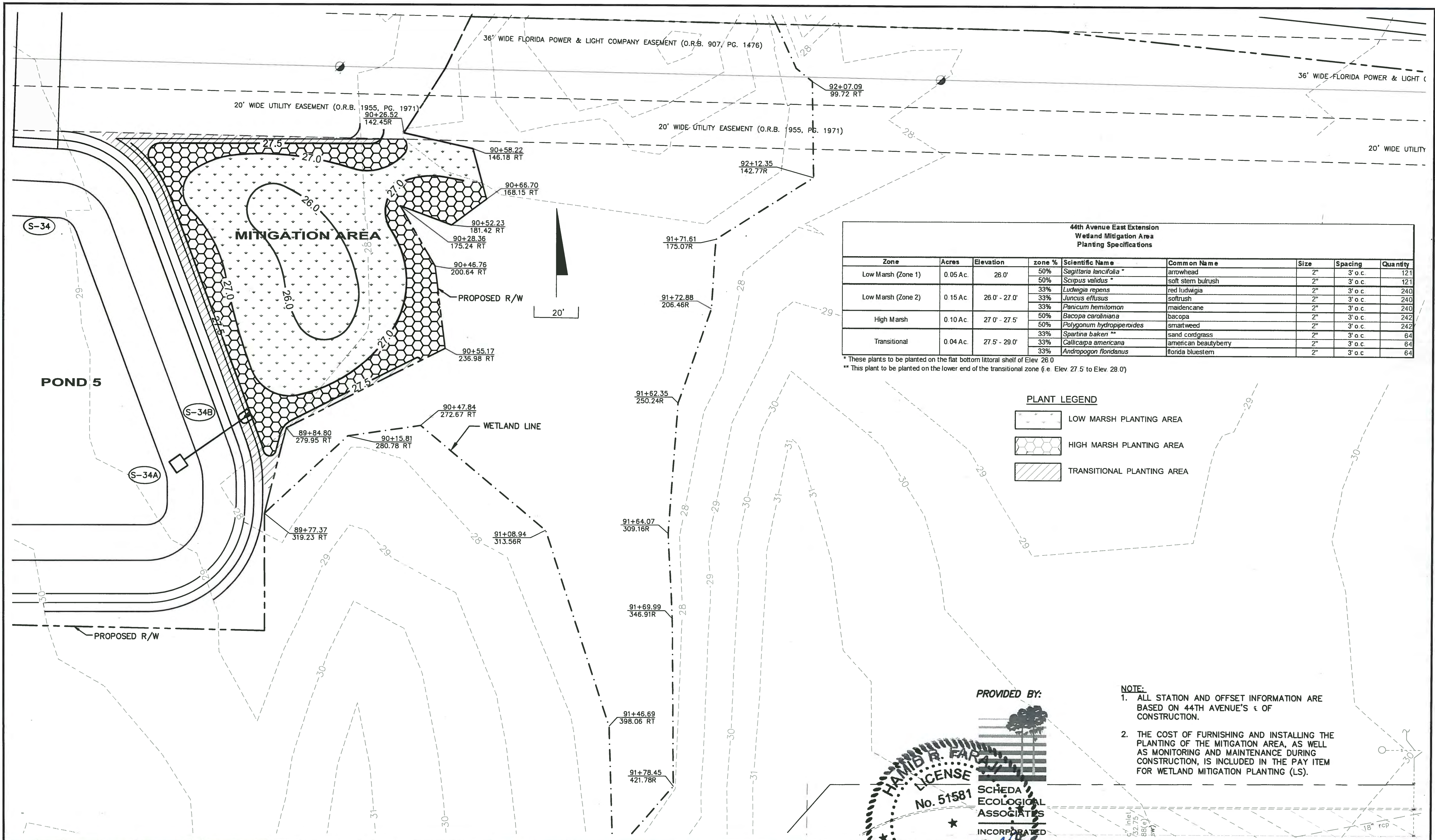
**44TH AVENUE EAST
ROADWAY EXTENSION**

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DRAWN JHH
Q.C.
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**OUTFALL CONTROL
STRUCTURE DETAILS**

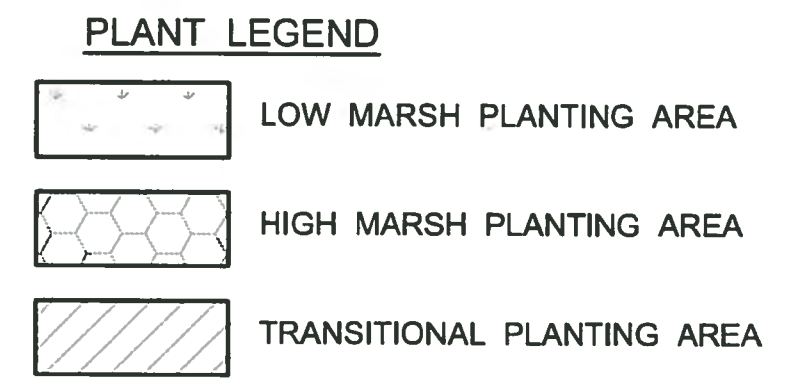
PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
52



**44th Avenue East Extension
Wetland Mitigation Area
Planting Specifications**

Zone	Acres	Elevation	zone %	Scientific Name	Common Name	Size	Spacing	Quantity
Low Marsh (Zone 1)	0.05 Ac.	26.0'	50%	<i>Sagittaria lancifolia</i> *	arrowhead	2"	3' o.c.	121
			50%	<i>Scirpus validus</i> *	soft stem bulrush	2"	3' o.c.	121
Low Marsh (Zone 2)	0.15 Ac.	26.0' - 27.0'	33%	<i>Ludwigia repens</i>	red ludwigia	2"	3' o.c.	240
			33%	<i>Juncus effusus</i>	soft rush	2"	3' o.c.	240
			33%	<i>Panicum hemitomon</i>	maidencane	2"	3' o.c.	240
High Marsh	0.10 Ac.	27.0' - 27.5'	50%	<i>Bacopa caroliniana</i>	bacopa	2"	3' o.c.	242
			50%	<i>Polygonum hydropiperoides</i>	smartweed	2"	3' o.c.	242
Transitional	0.04 Ac.	27.5' - 28.0'	33%	<i>Spartina baken</i> **	sand cordgrass	2"	3' o.c.	64
			33%	<i>Callicarpa americana</i>	american beautyberry	2"	3' o.c.	64
			33%	<i>Andropogon floridanus</i>	florida bluestem	2"	3' o.c.	64

* These plants to be planted on the flat bottom littoral shelf of Elev 26.0
 ** This plant to be planted on the lower end of the transitional zone (i.e. Elev 27.5 to Elev 28.0)

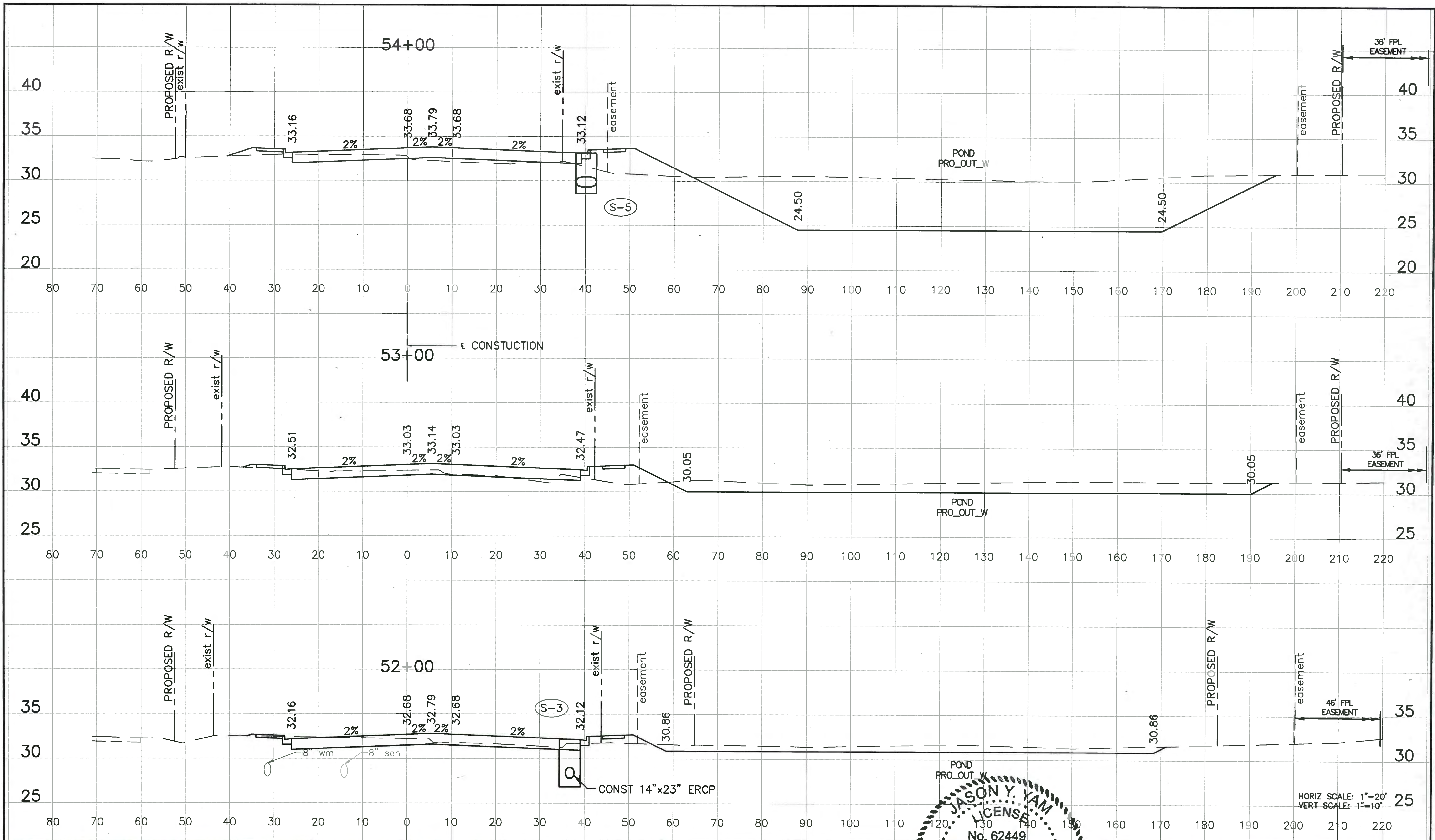


NOTE:

- ALL STATION AND OFFSET INFORMATION ARE BASED ON 44TH AVENUE'S & OF CONSTRUCTION.
- THE COST OF FURNISHING AND INSTALLING THE PLANTING OF THE MITIGATION AREA, AS WELL AS MONITORING AND MAINTENANCE DURING CONSTRUCTION, IS INCLUDED IN THE PAY ITEM FOR WETLAND MITIGATION PLANTING (LS).

PROVIDED BY:

	MANATEE COUNTY	44TH AVENUE EAST ROADWAY EXTENSION	Cardno Shaping the Future 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759 33759 TEL: (727) 531-3505 (800) 861-8314 www.cardno.com Certificate of Authorization No. 29915	MITIGATION PLAN	PROJECT NO: 00193-001-18 DATE: 6-17-2015 SHEET NO: 53
NO. DESCRIPTION BY DATE			DESIGNED: SCHEDA DRAWN: SCHEDA Q.C.: APPROVED:		



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
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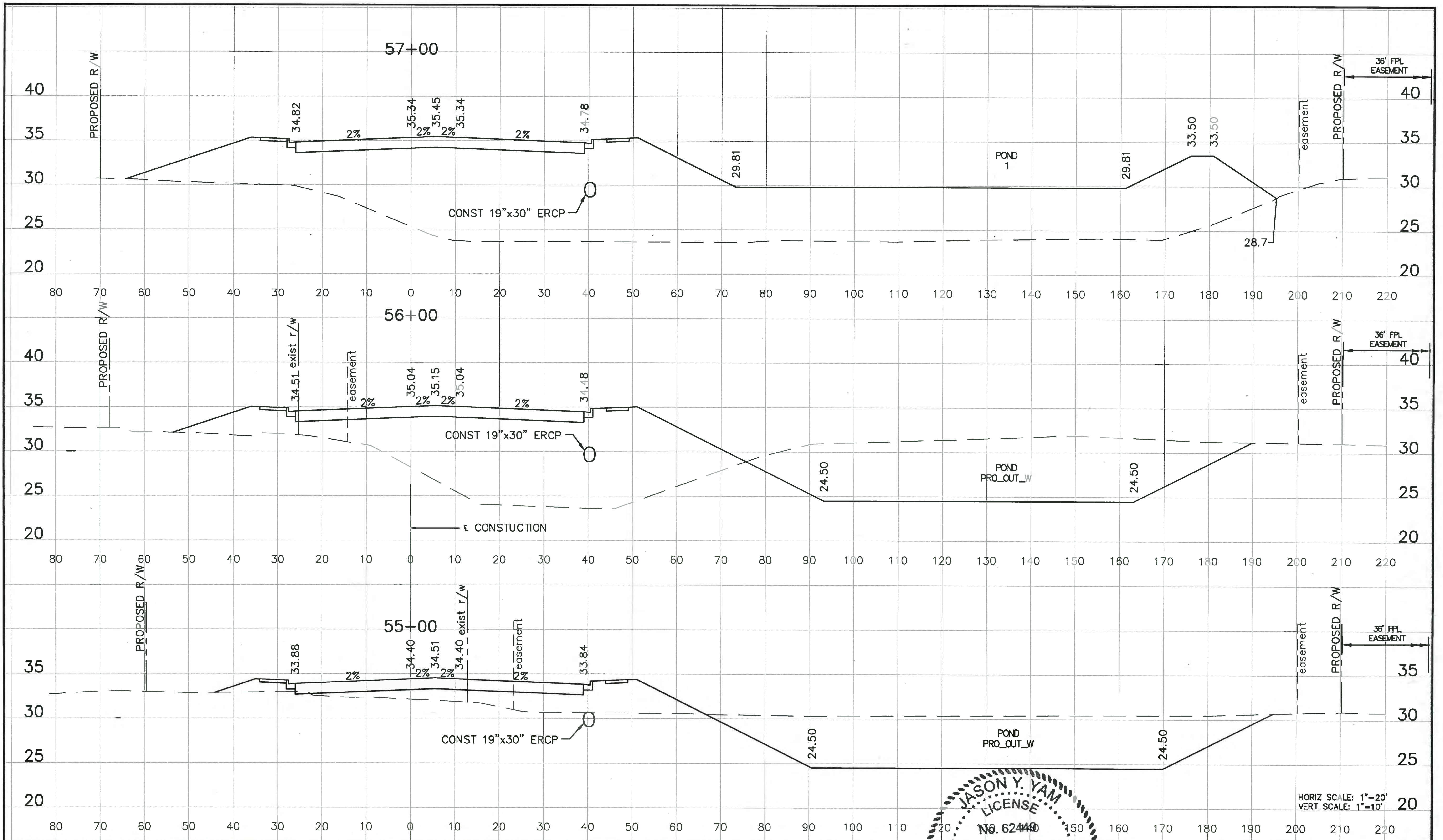
JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED JCC
DRAWN JCC
CHECKED JCC
APPROVED

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
54

FILE: J:\00193\00193001\18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-11:17p PLOTTED: Tue, 06/16/15-5:18p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
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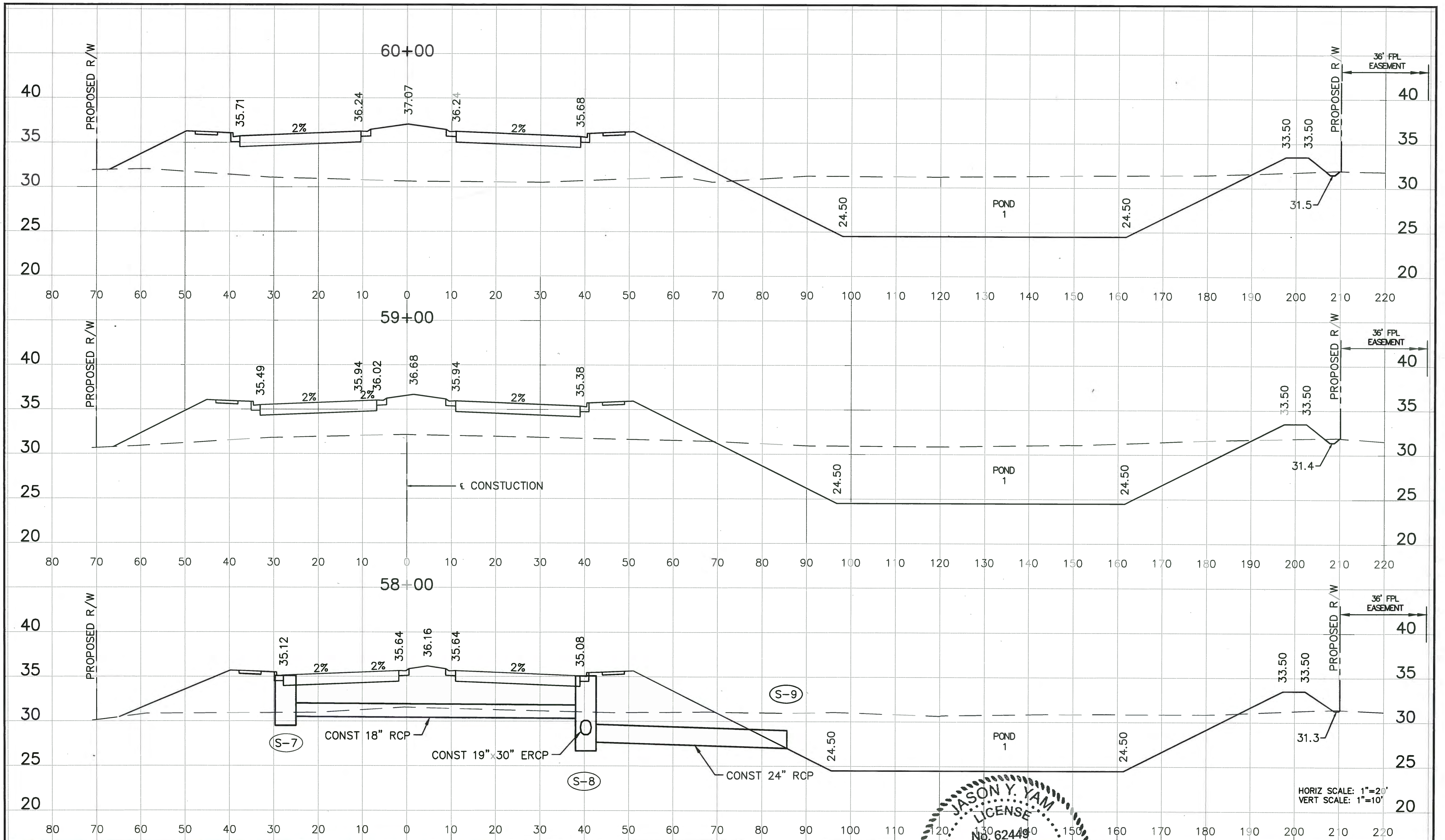
JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	55

FILE: J:\00193\00193001\18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-11:17p PLOTTED: Tue, 06/16/15-5:19p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST
ROADWAY EXTENSION

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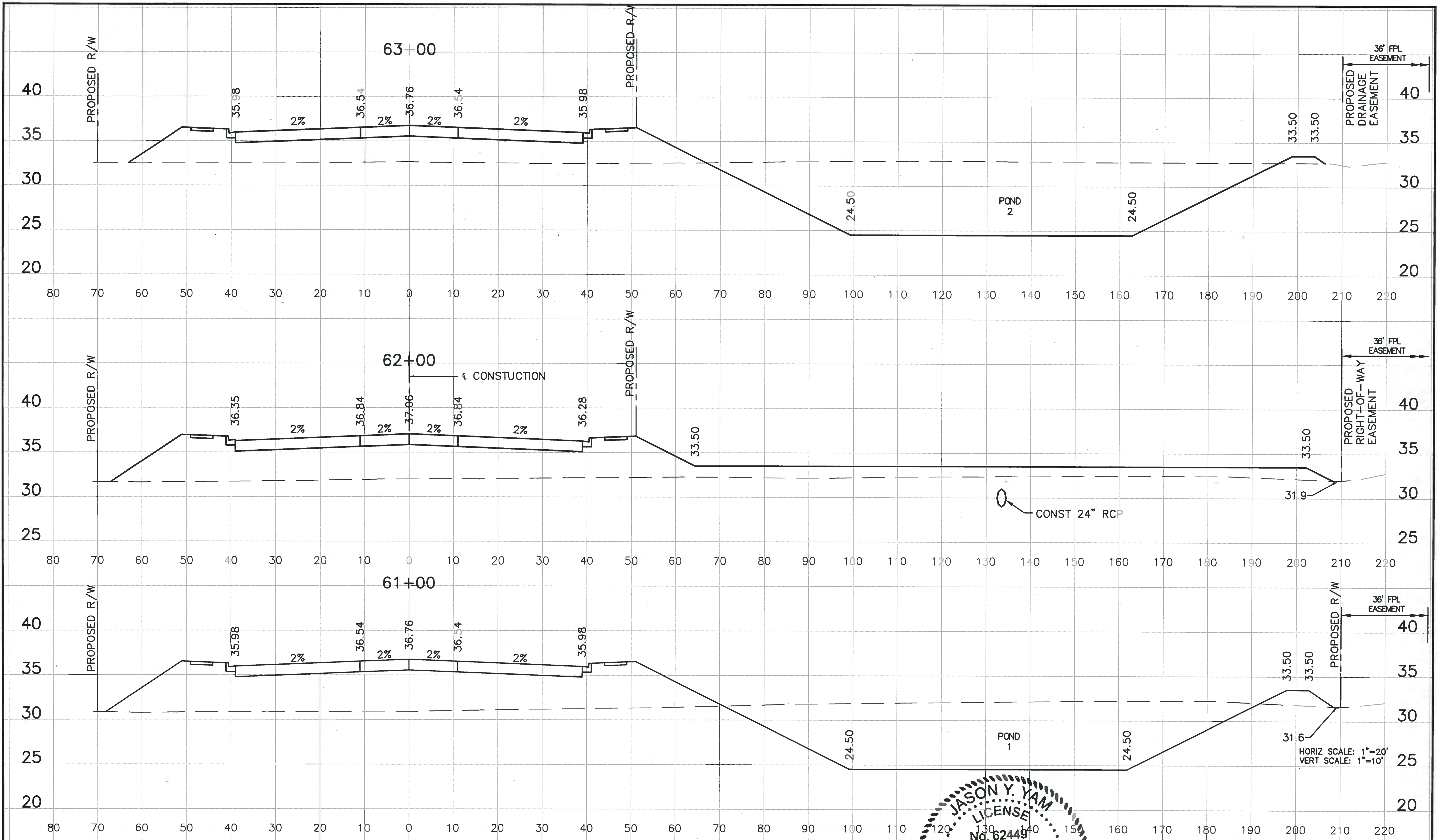
JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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DRAWN	JCC
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APPROVED	

CROSS SECTIONS
44TH AVENUE EAST

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	56

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NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

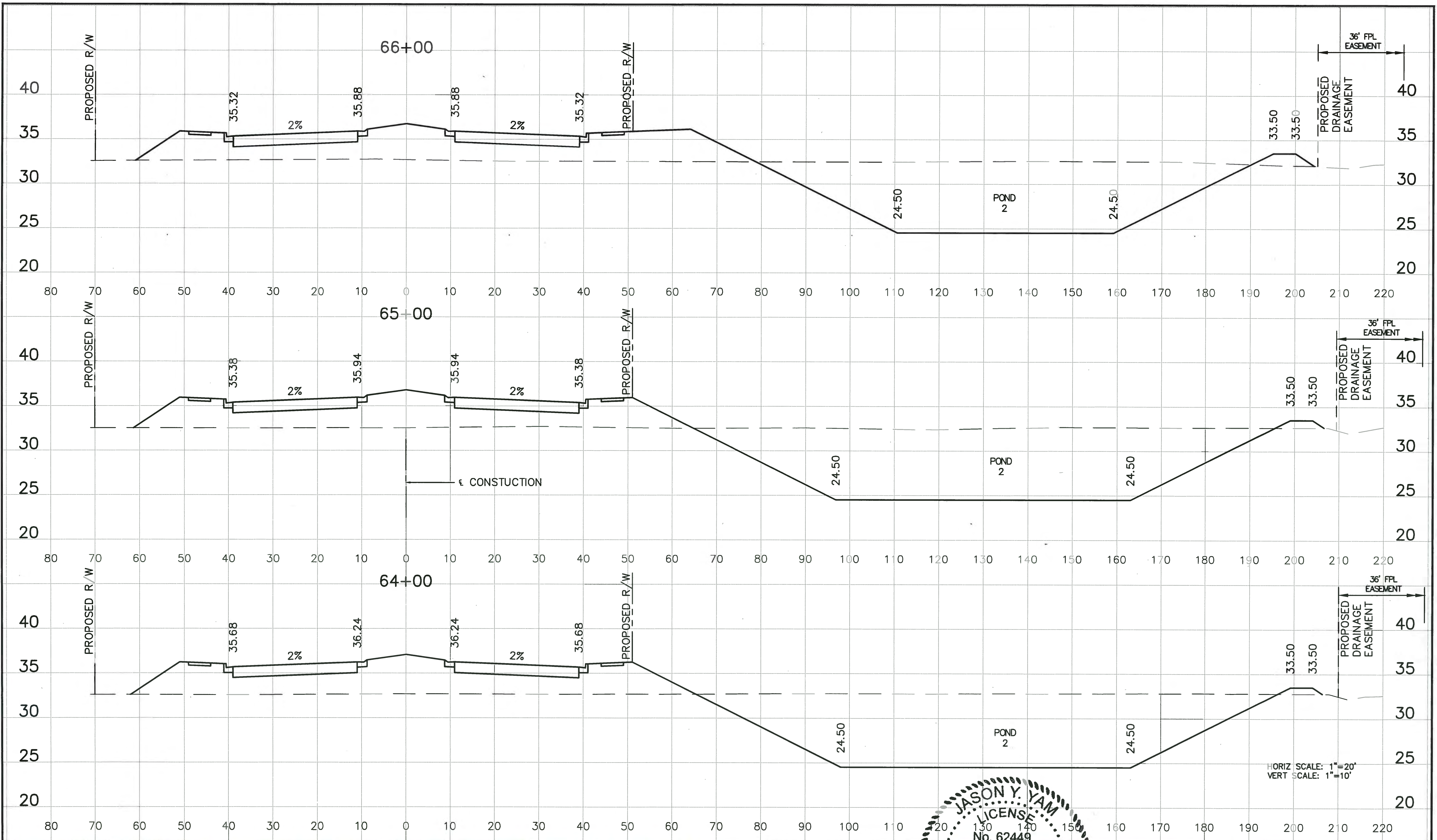
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LICENSE
No. 62449
DATE 01/13/20

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
57

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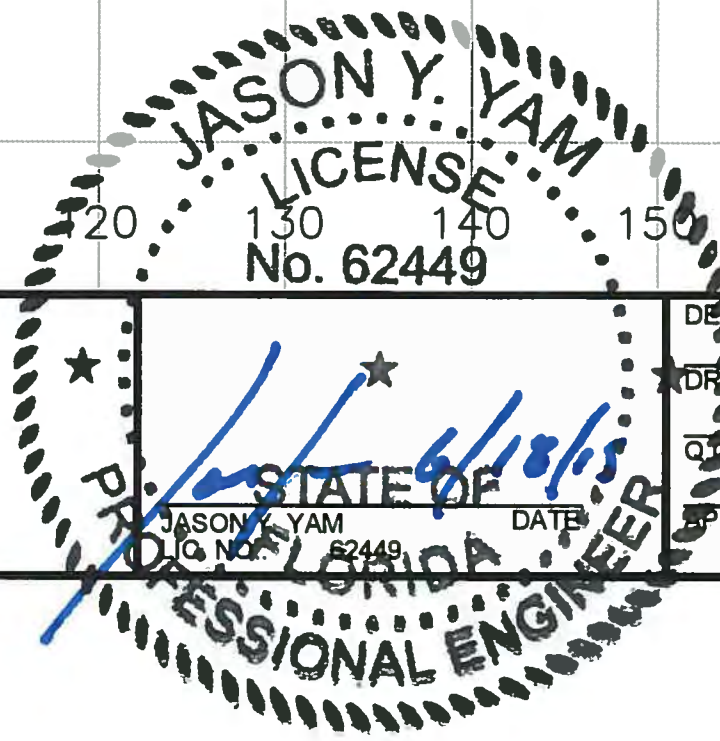


NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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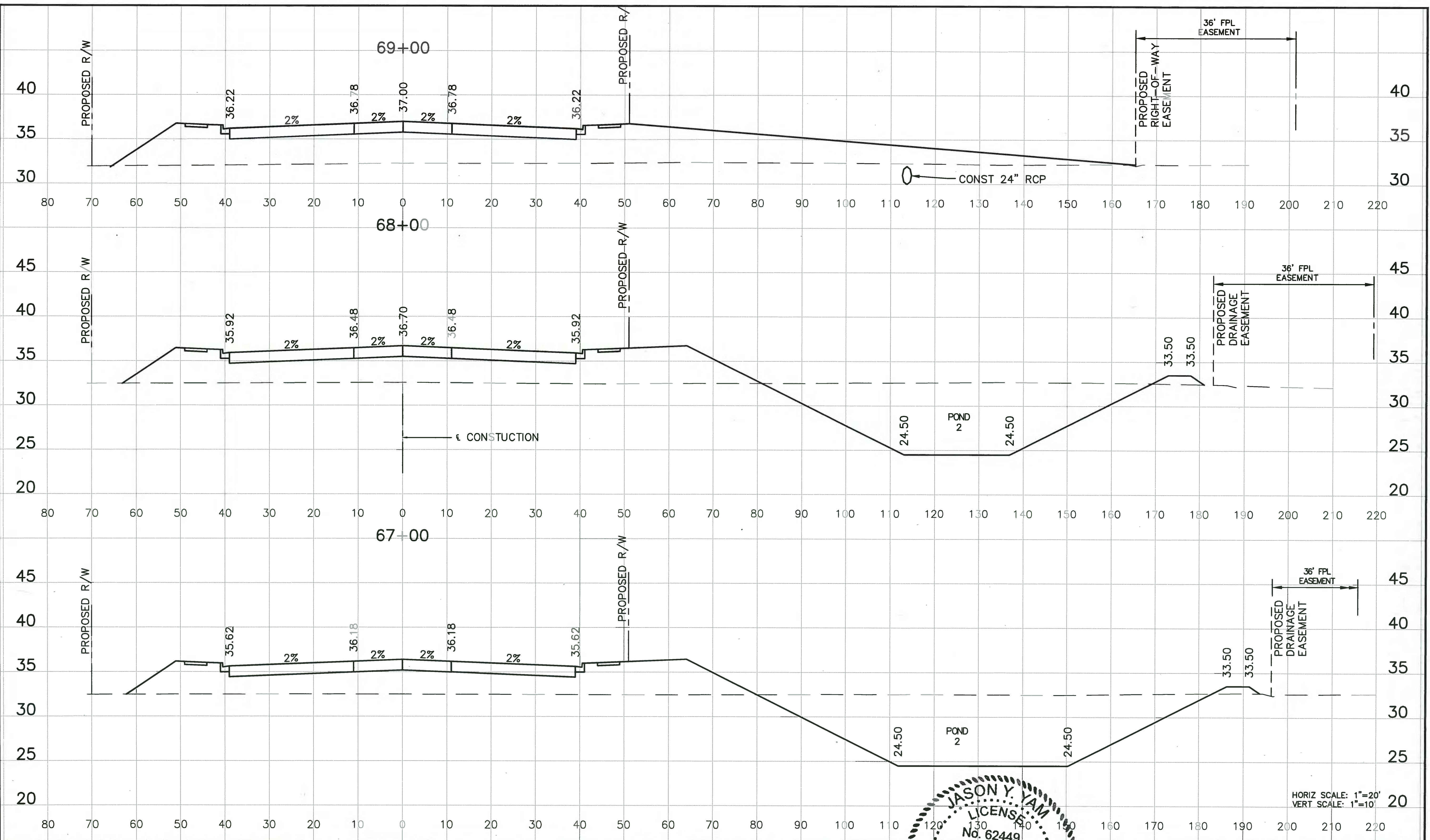


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DRAWN	JCC
CHECKED	
APPROVED	

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	58

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HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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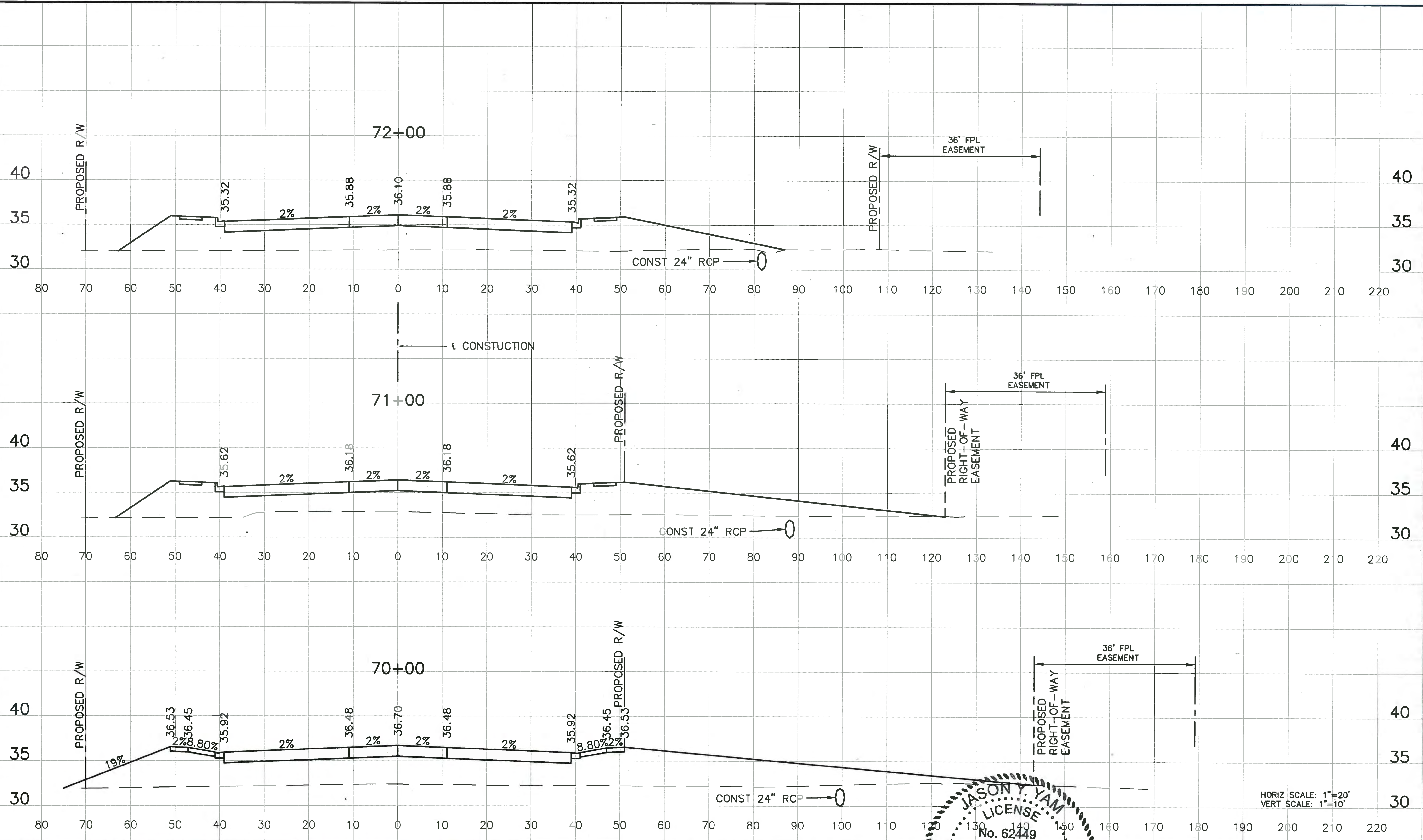
JASON Y. YAM
LICENSE
No. 62449
DATE: 6/18/15
PROFESSIONAL ENGINEER

DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: _____

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
59

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HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

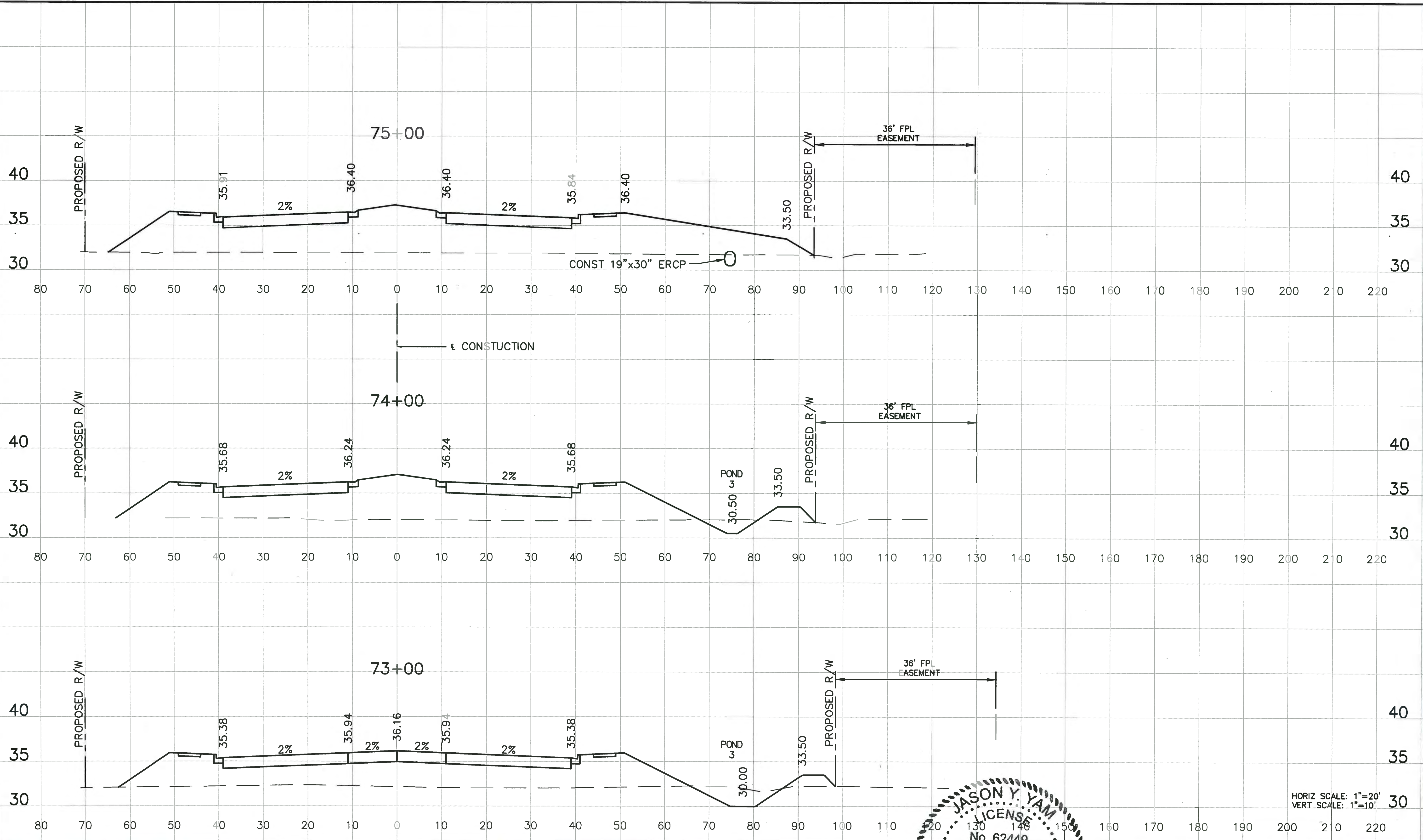
**44TH AVENUE EAST
ROADWAY EXTENSION**

JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 60

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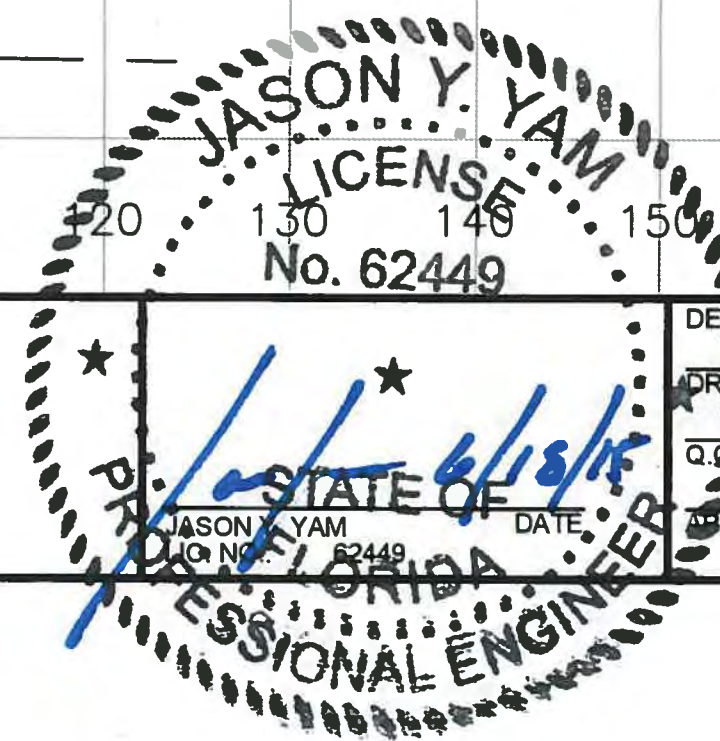


HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

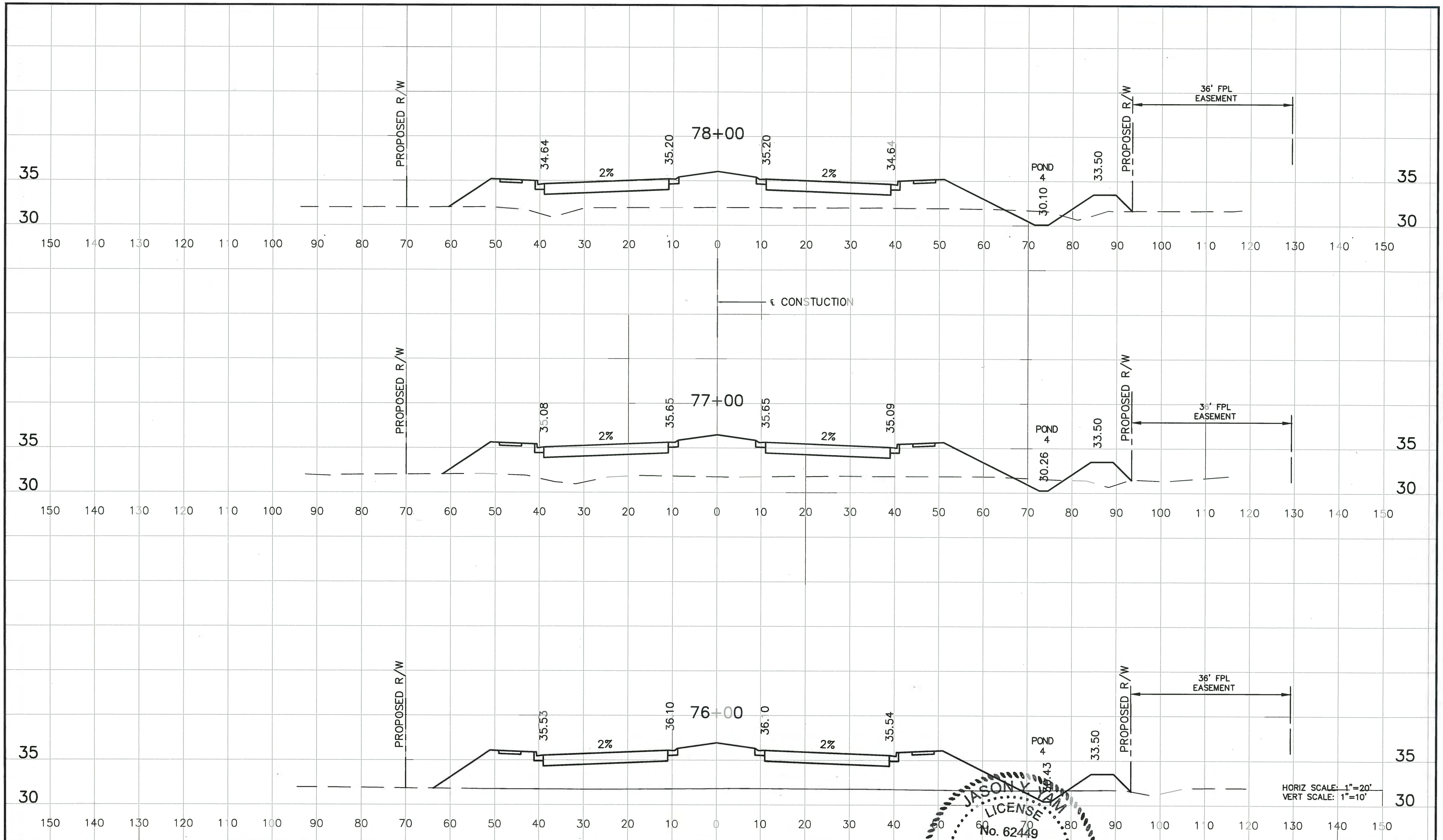


DESIGNED	JCC
DRAWN	JCC
QC	JCC
APPROVED	JCC

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	61

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HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

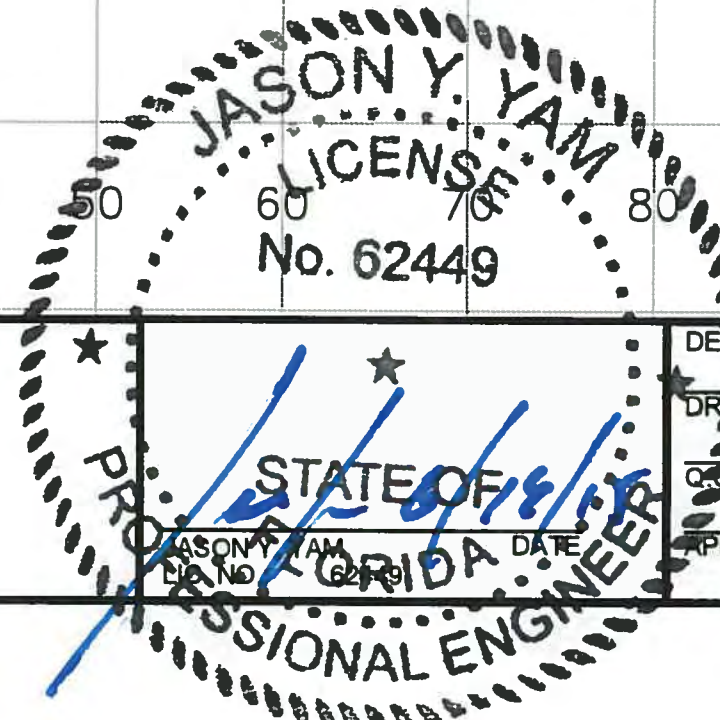
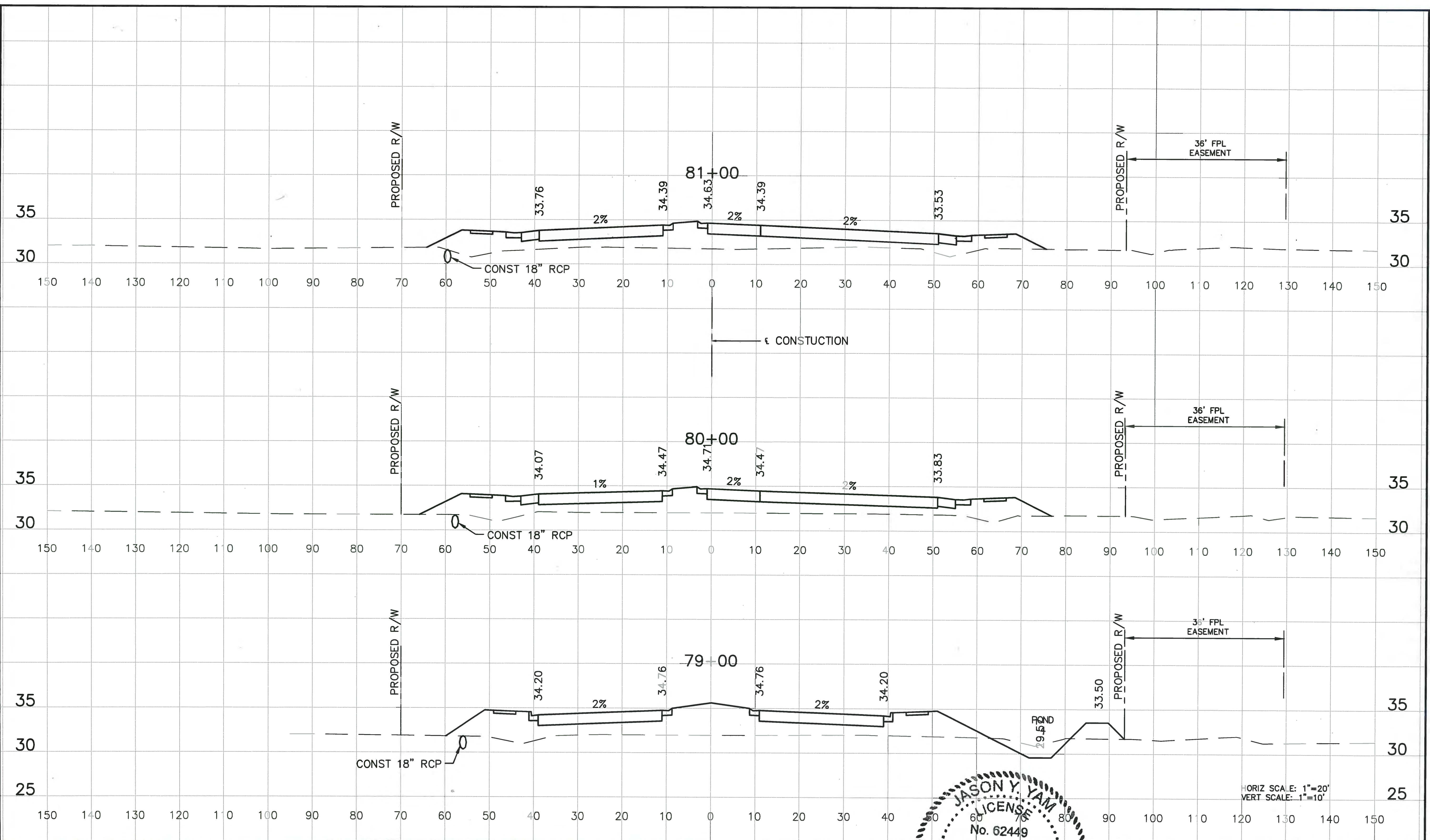
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LICENSED PROFESSIONAL ENGINEER
No. 62449
STATE OF FLORIDA
DATE: 6-17-2015

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
62

FILE: J:\00193\00193001\18\ACAD\dwg\X519300118-1.dwg LAST SAVED: Tue, 06/18/15 1:17p PLOTTED: Tue, 06/18/15 5:21p BY: John Hutchison



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

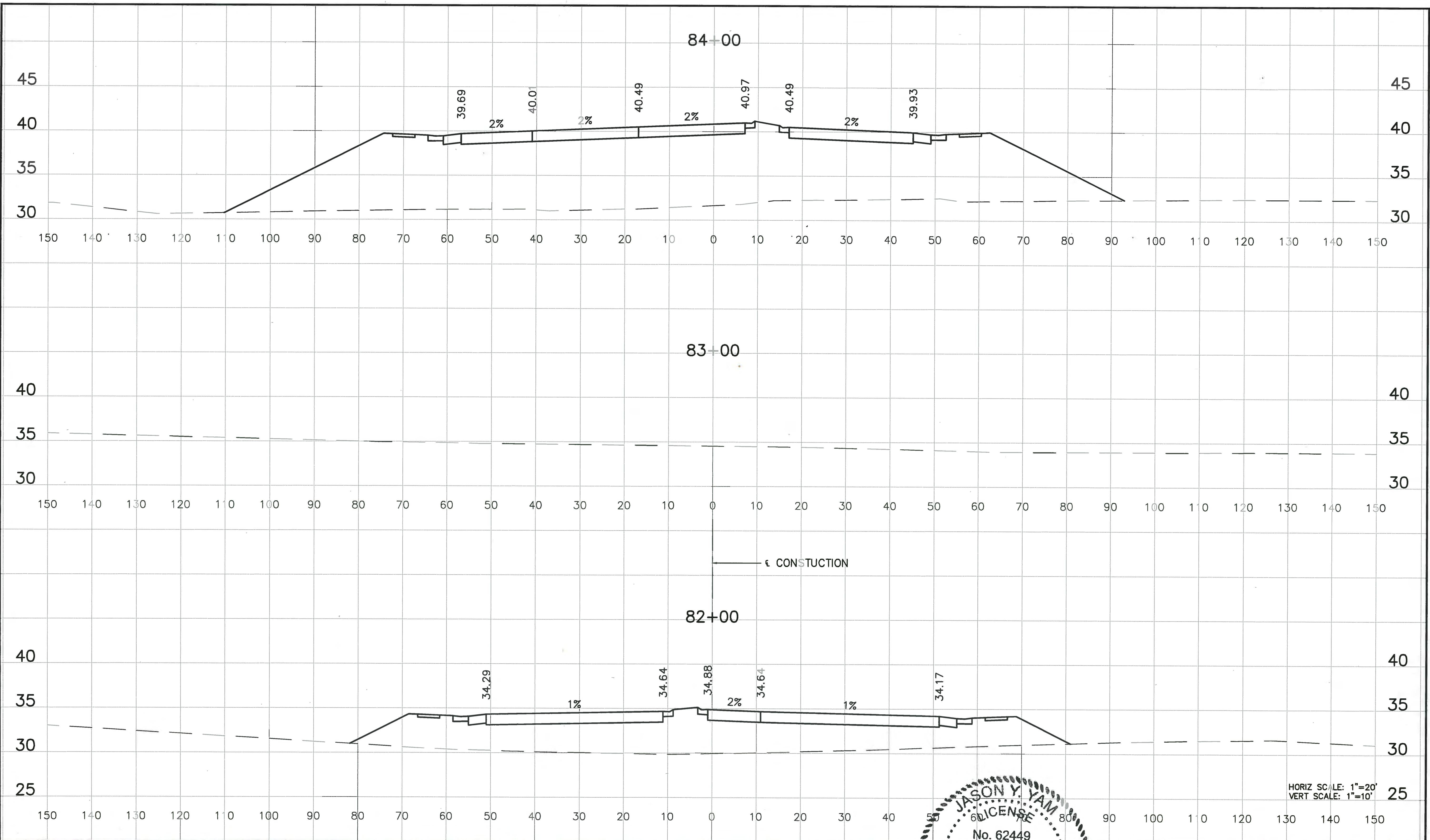
**44TH AVENUE EAST
ROADWAY EXTENSION**

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**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 63

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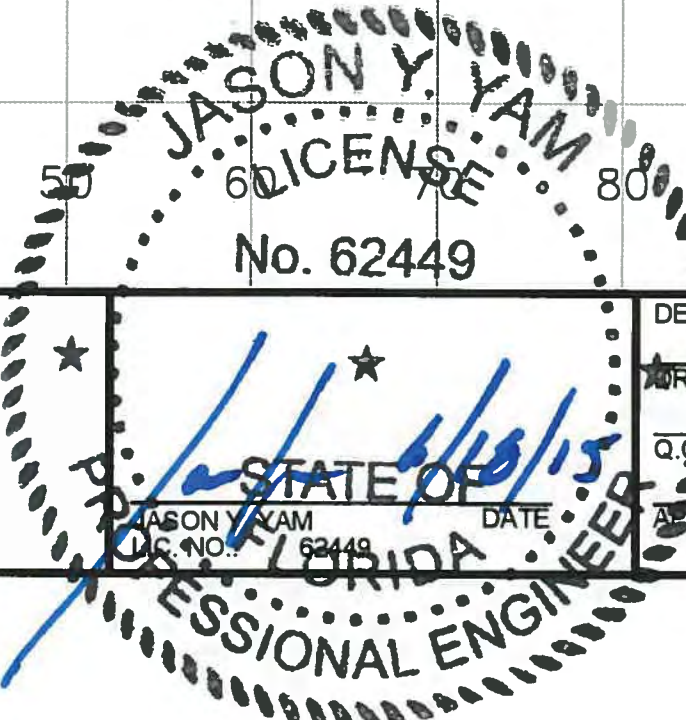
HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
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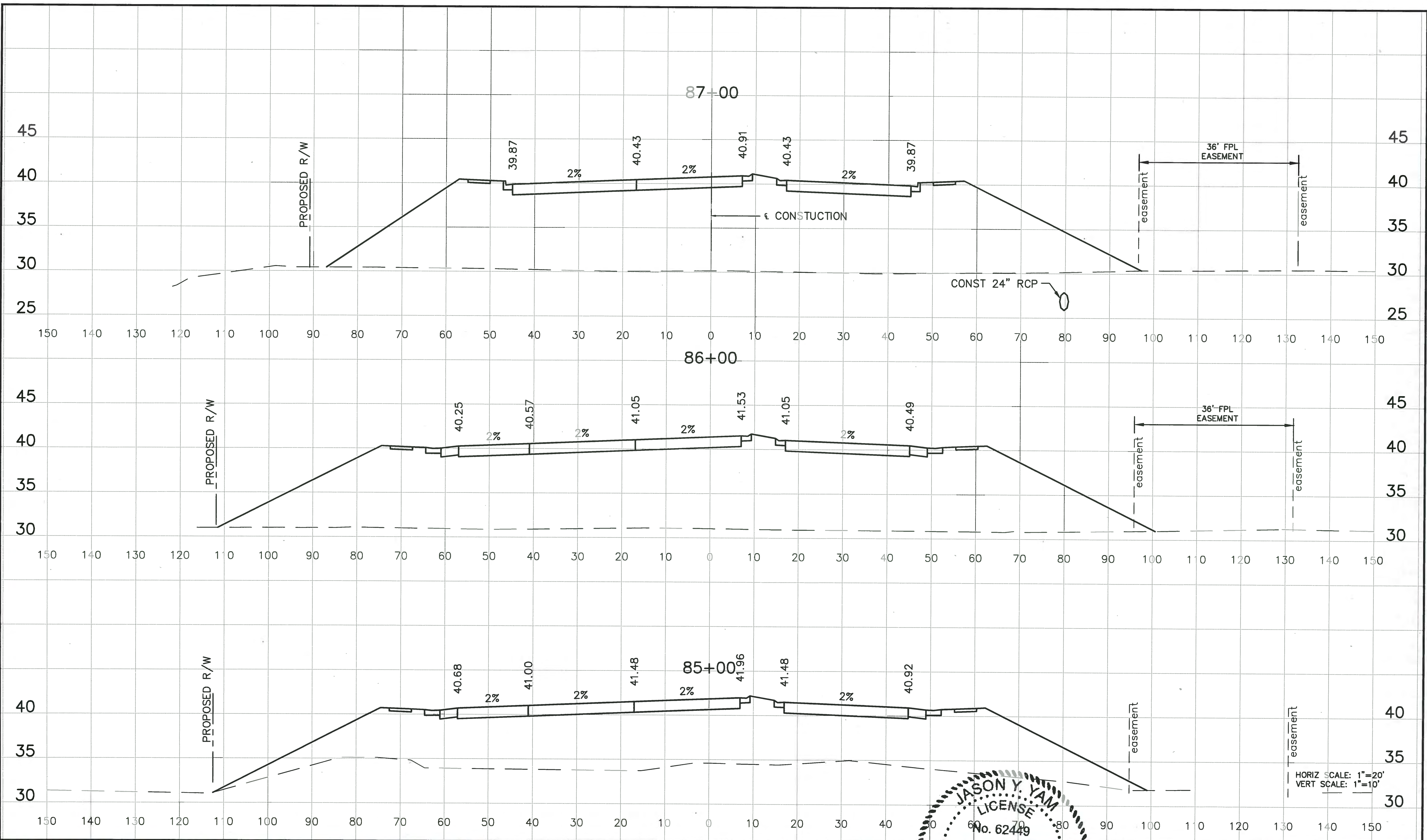


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DRAWN	JCC
QC	JCC
APPROVED	JCC

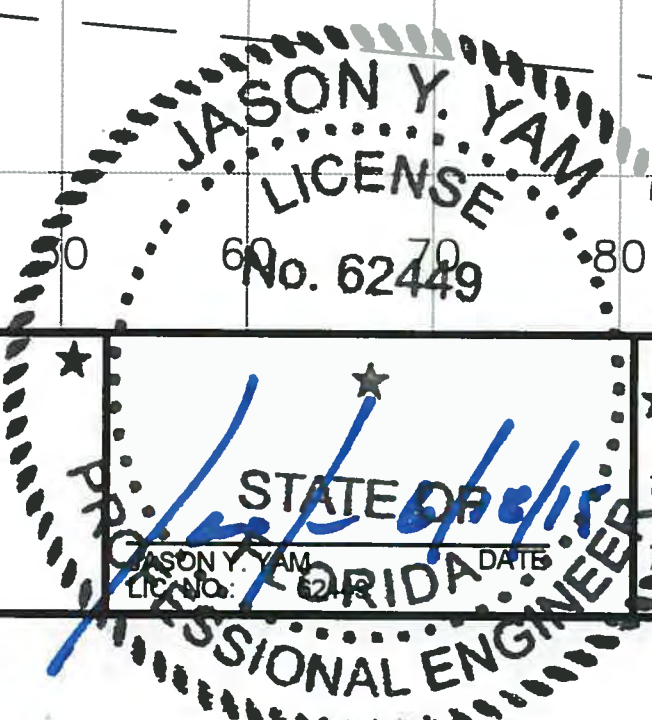
**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	64

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HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'



DESIGNED	JCC
DRAWN	JCC
Q.C.	
APPROVED	

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	65

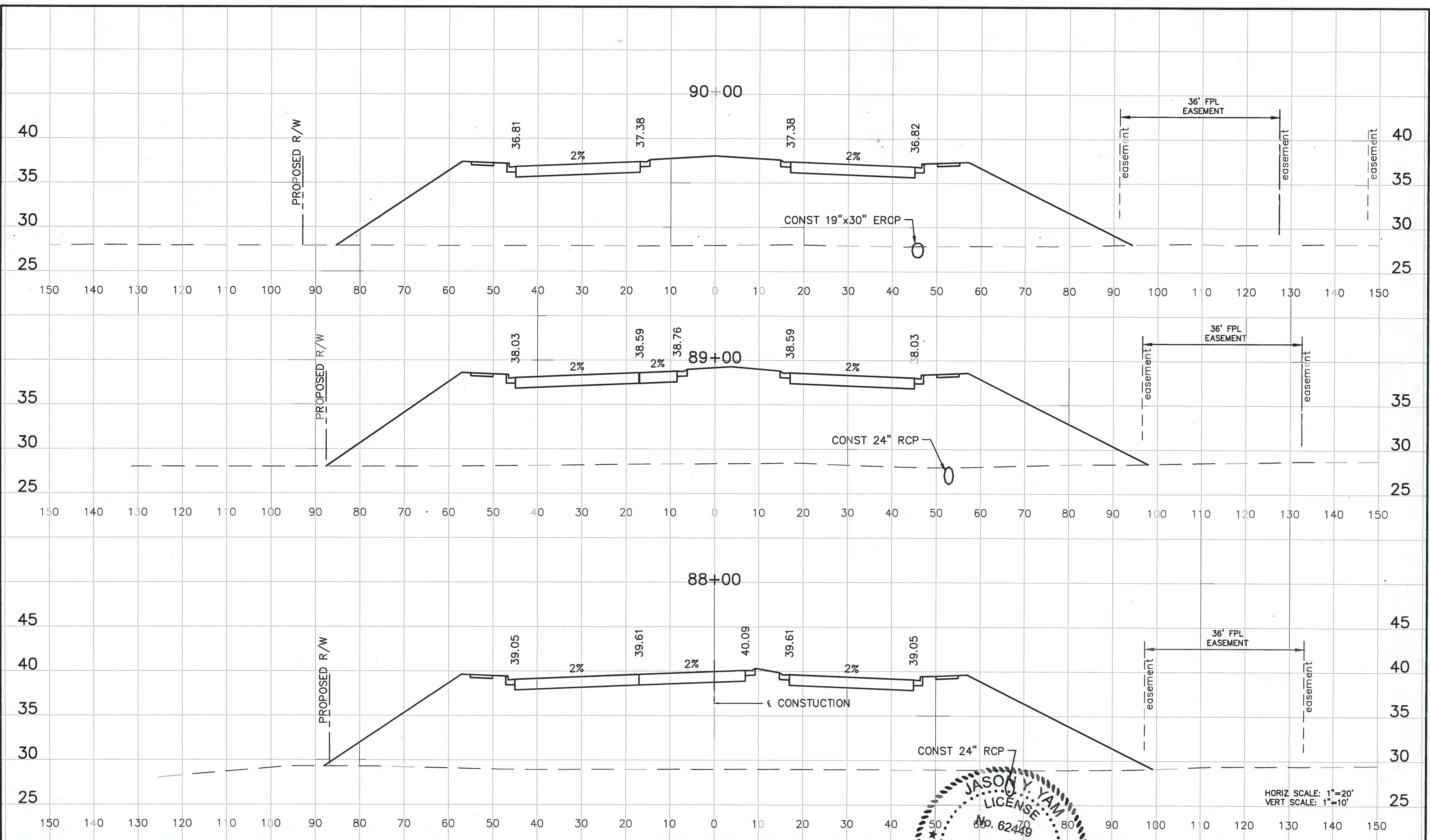
MANATEE COUNTY

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NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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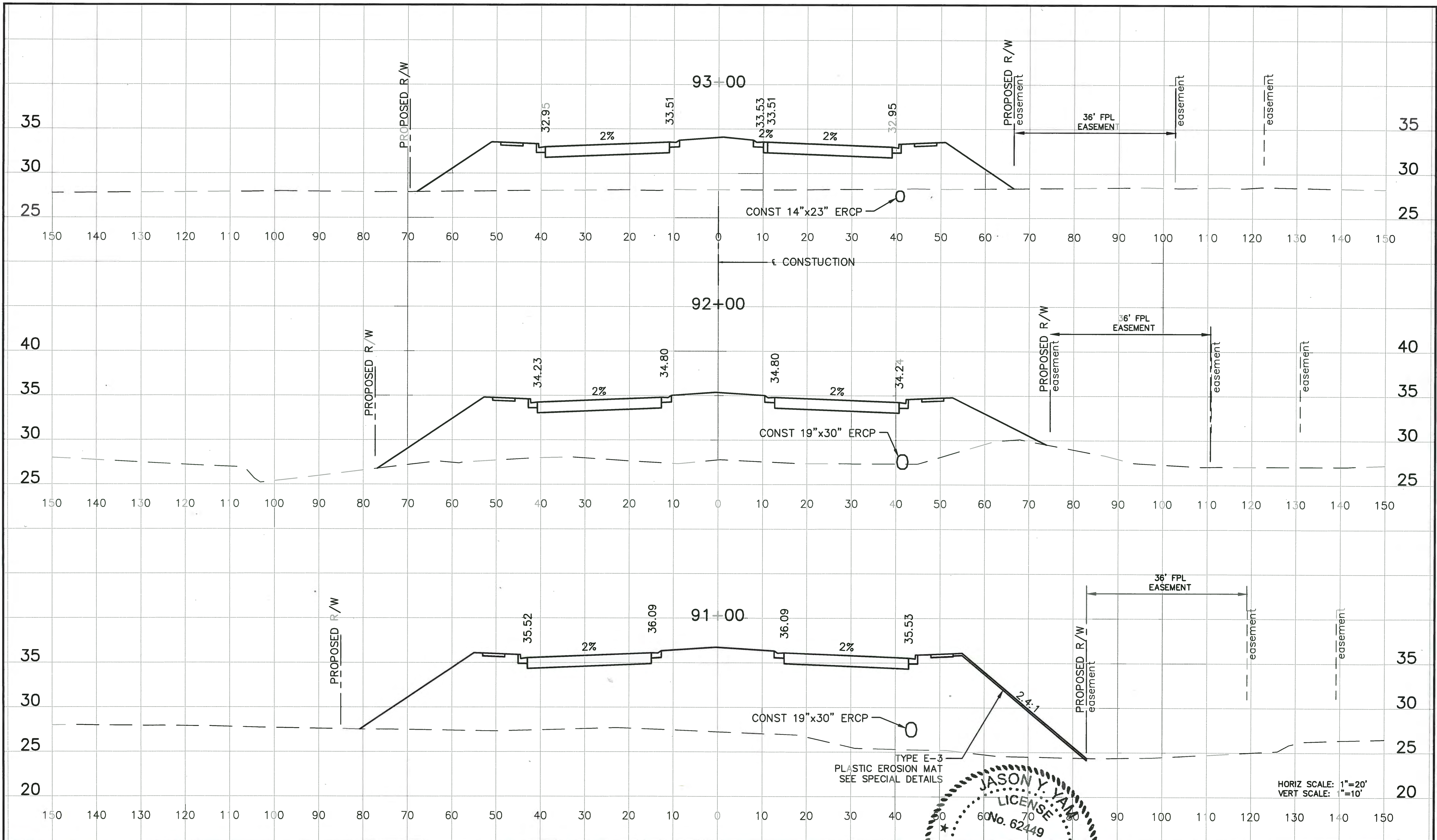
JASON Y. YAM
 LICENSE
 No. 62449
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

DESIGNED: JCC
 DRAWN: JCC
 APPROVED: _____

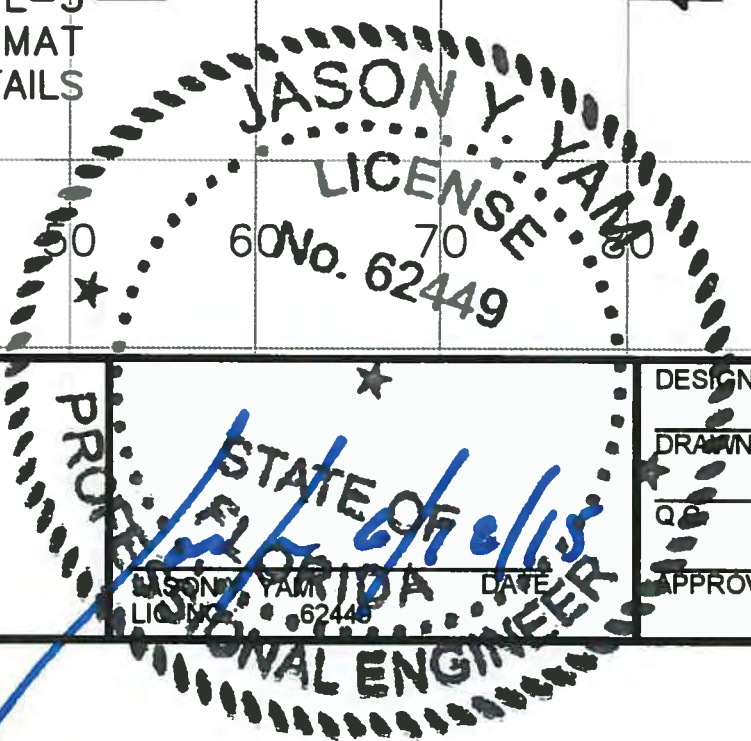
**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:
00193-001-18
 DATE:
6-17-2015
 SHEET NO:
66

FILE: J:\00193\00193001_18\ACAD\dwg\XST19300118-1.dwg LAST SAVED: Tue, 06/16/15 1:17p PLOTTED: Tue, 06/16/15 5:22p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

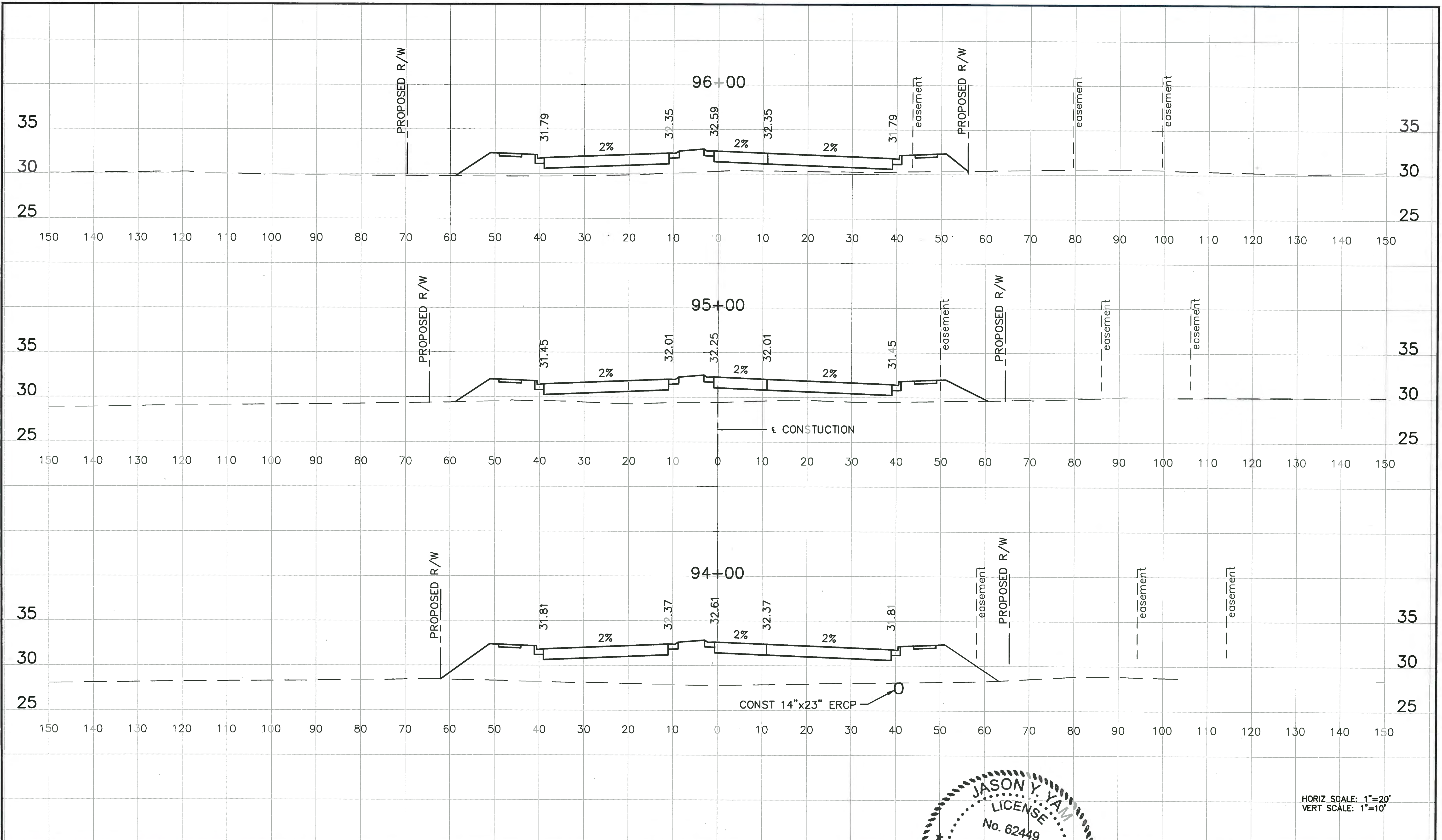
Cardno
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380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29815

DESIGNED	JCC
DRAWN	JCC
IN CHARGE	JCC
APPROVED	

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	67

FILE: J:\00193\001\18\001\18\1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:22p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

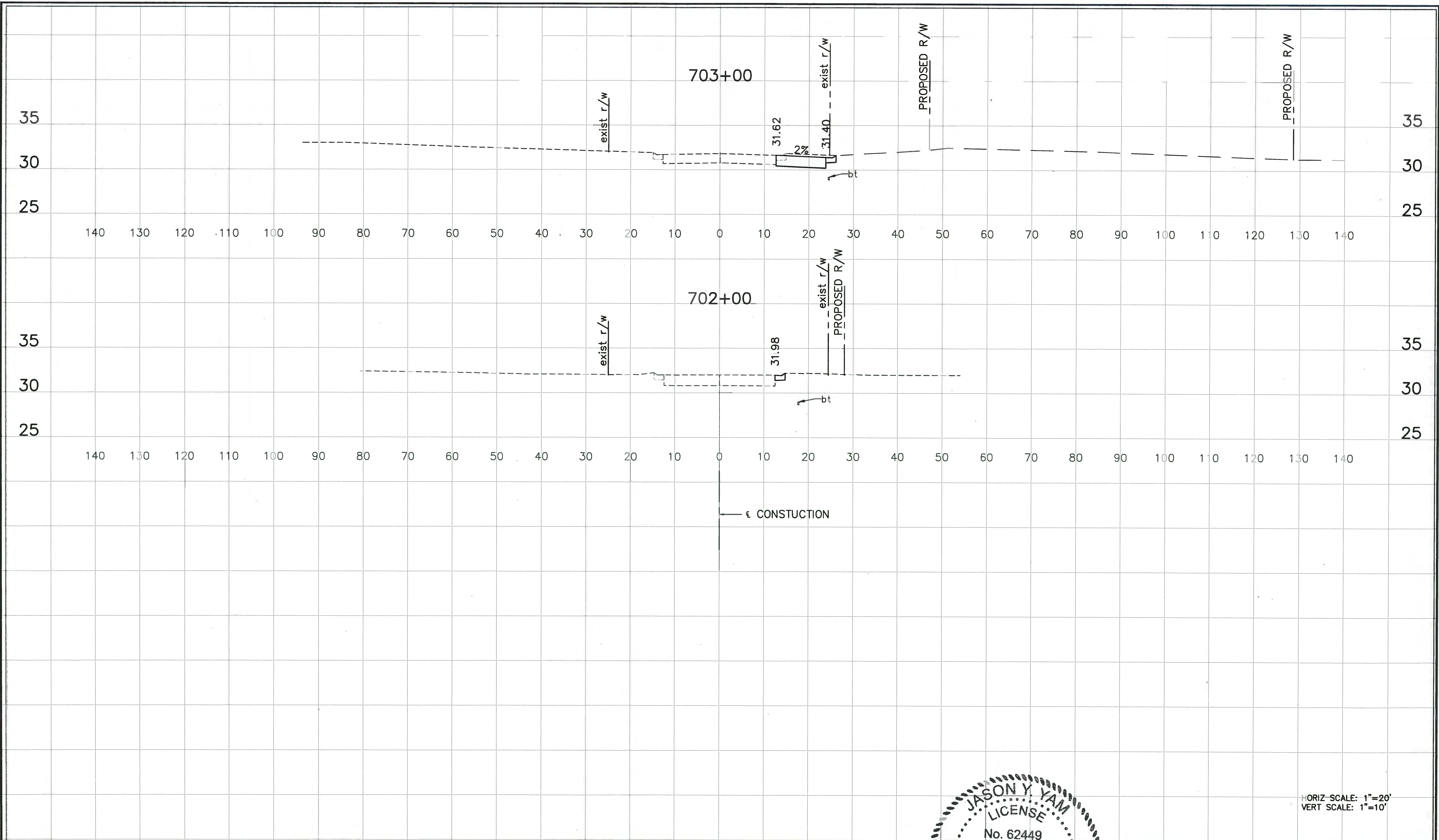
MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

DESIGNED	JCC
DRAWN	JCC
APPROVED	

**CROSS SECTIONS
44TH AVENUE EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	68



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

JASON Y. YAM
LICENSE
No. 62449

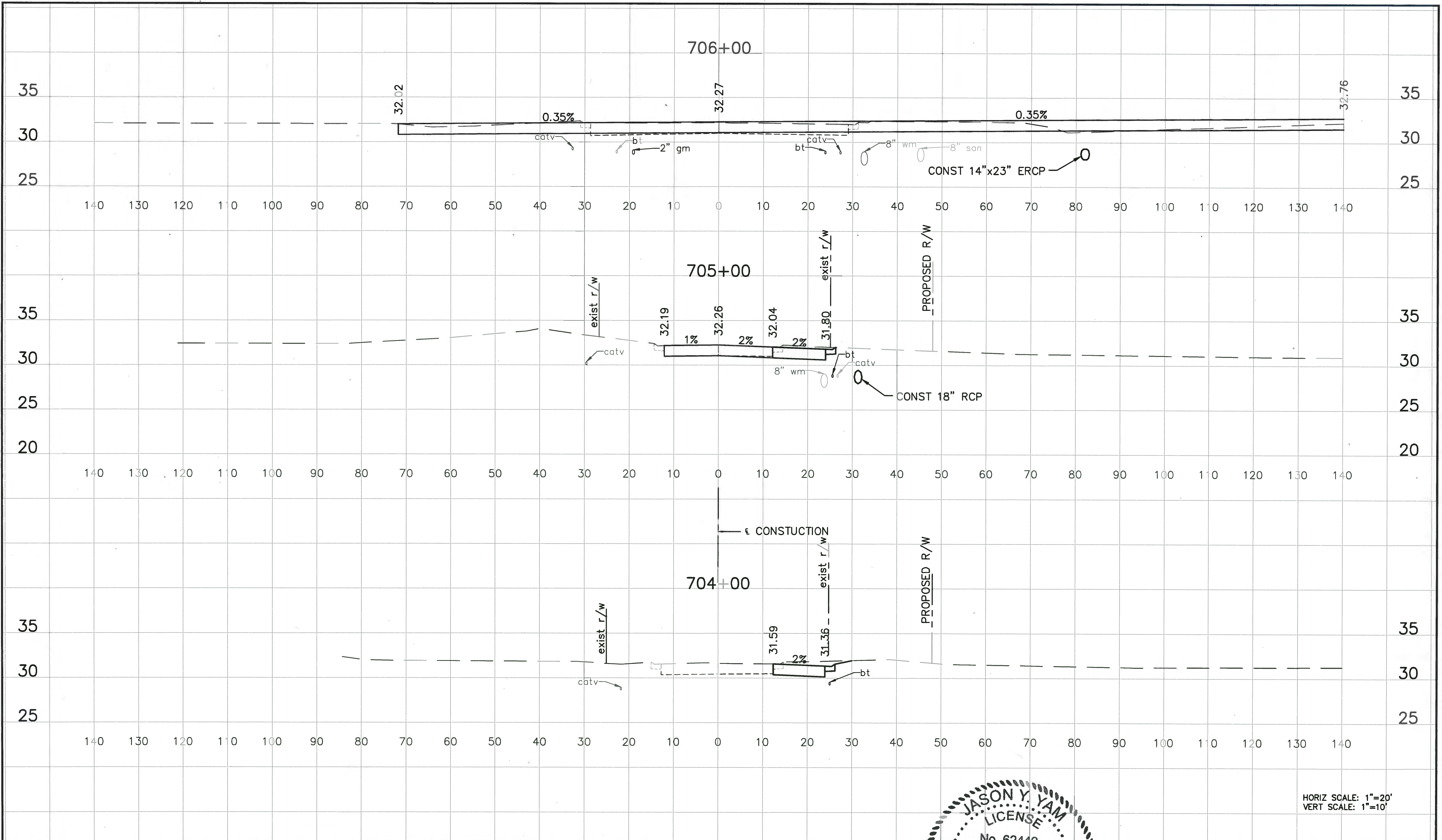
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED	JCC
DRAWN	JCC
Q.C.	JCC
APPROVED	JCC

**CROSS SECTIONS
19TH STREET COURT EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	69

FILE: J:\00193\00193001_18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:23p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

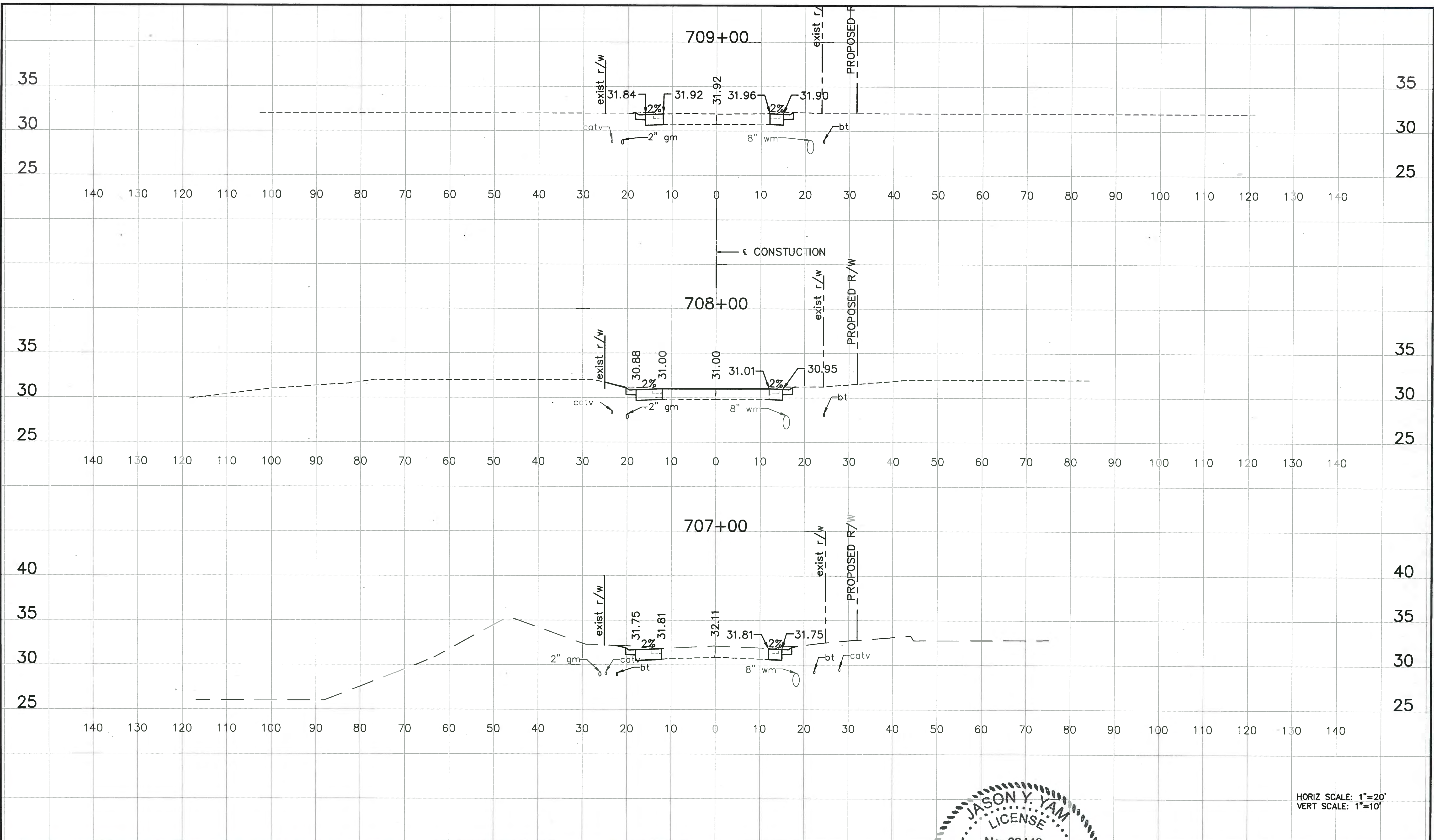
JASON Y. YAM
LICENSE
No. 62449
PROFESSIONAL ENGINEER

DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

**CROSS SECTIONS
19TH STREET COURT EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	70

FILE: J:\00193\00193001_18\ACAD\dwg\WS19300118-1.dwg LAST SAVED: Tue, 06/16/15-11:17p PLOTTED: Tue, 06/16/15-5:23p BY: John.Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

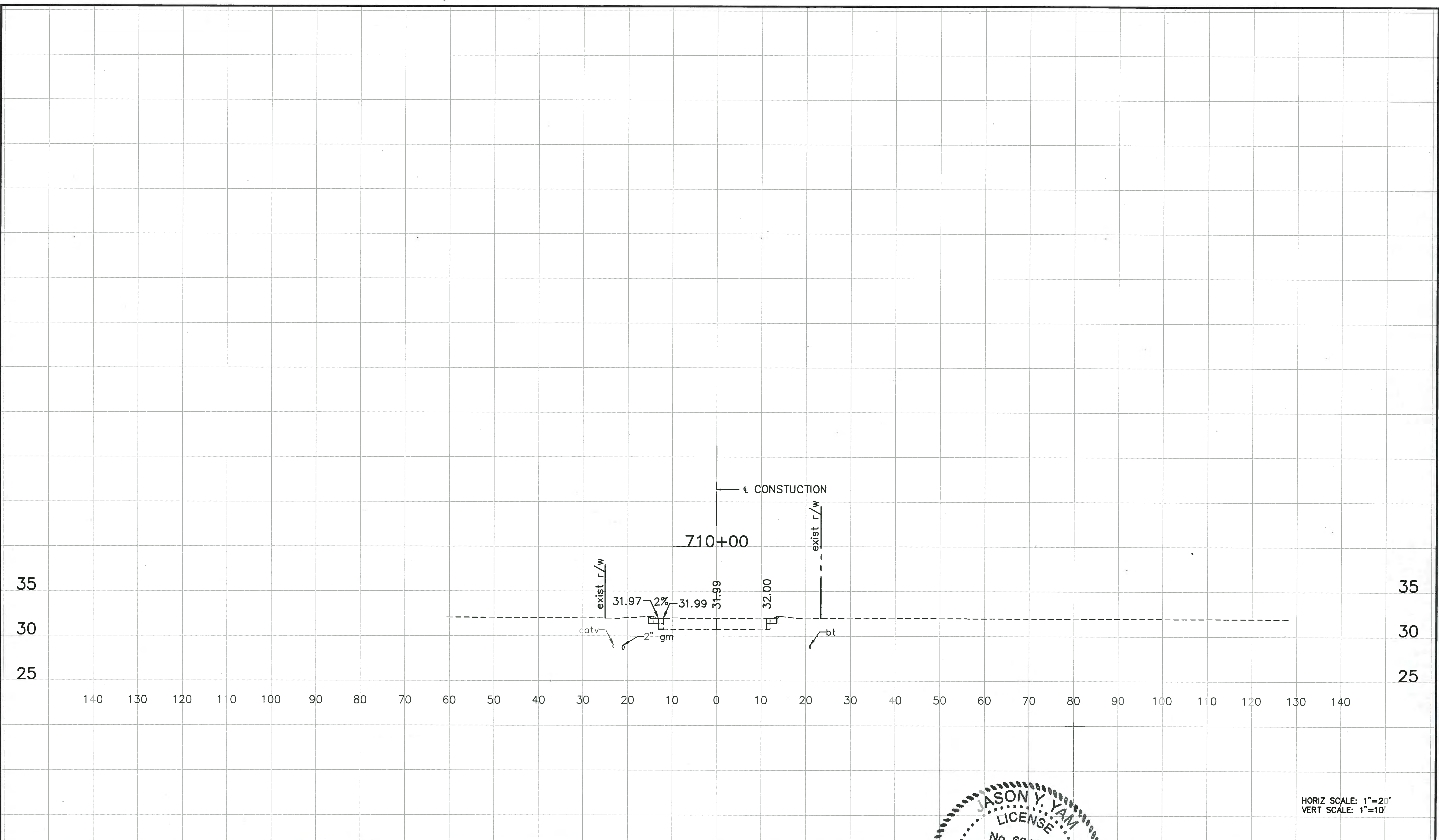
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www.cardno.com Certificate of Authorization No. 29815

JASON Y. YAM
LICENSE
No. 62449
DESIGNED JCC
DRAWN JCC
Q.C.
APPROVED
FLORIDA PROFESSIONAL ENGINEER

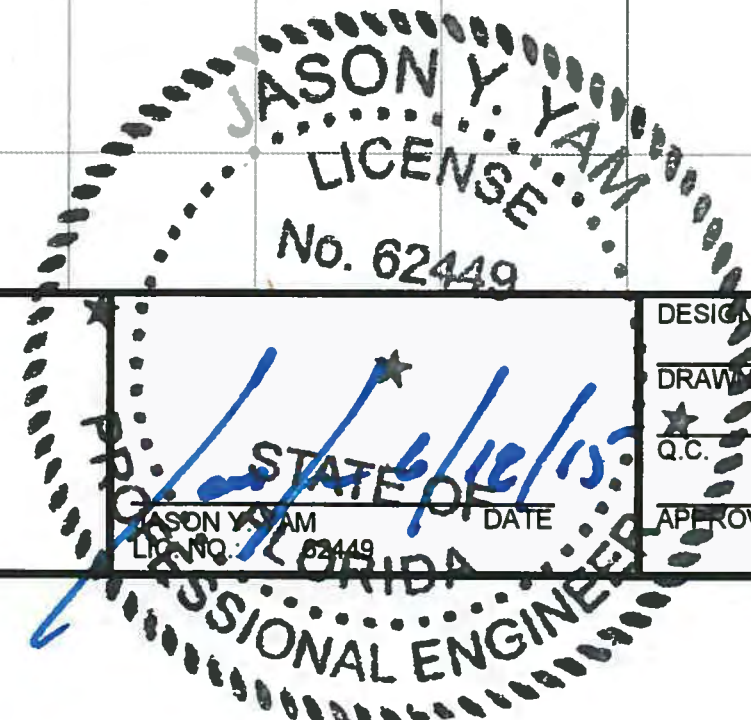
**CROSS SECTIONS
19TH STREET COURT EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	71

FILE: J:\00193\00193001\18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:24p BY: John.Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

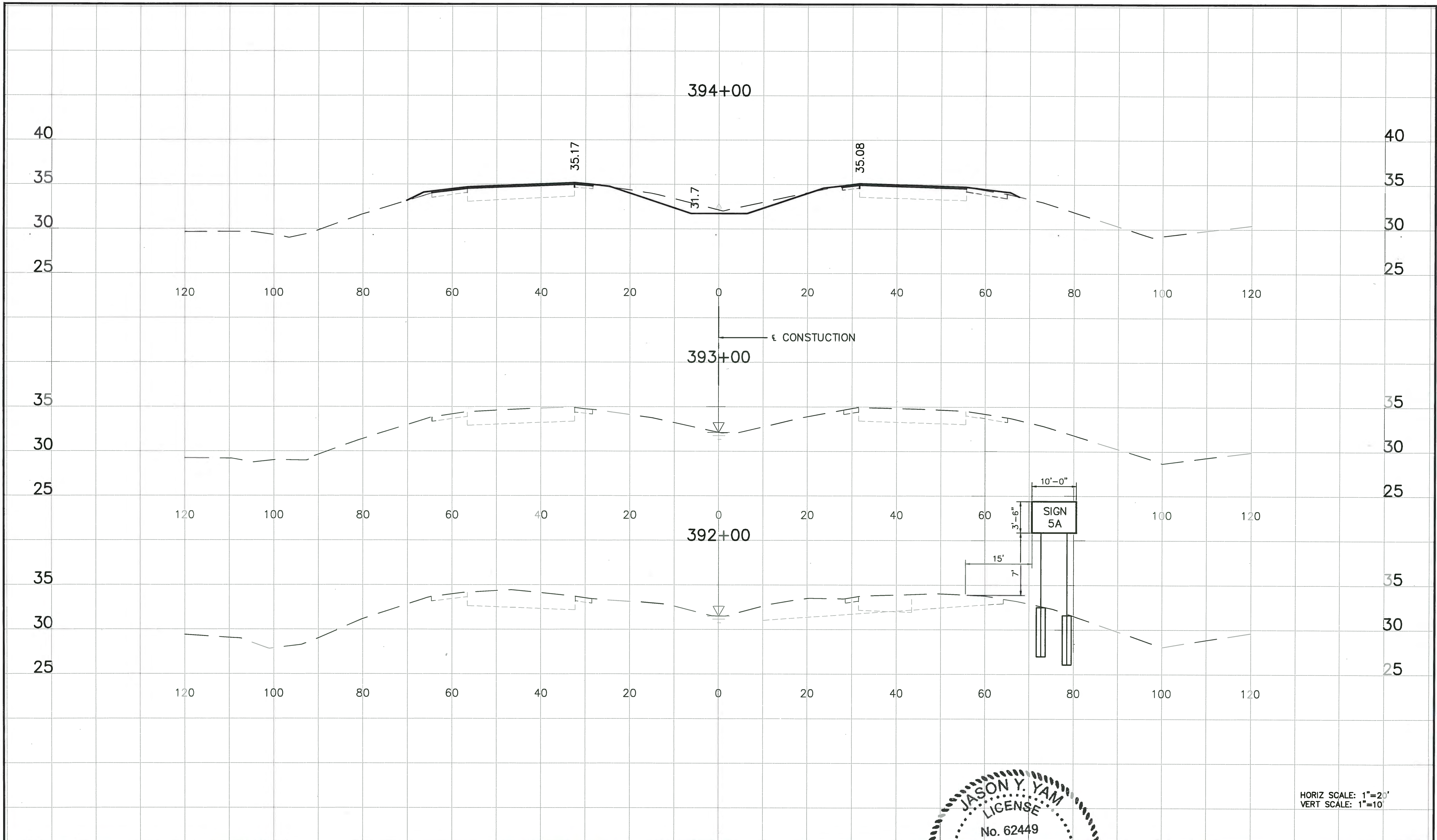
Cardno
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DESIGNED	JCC
DRAWN	JCC
Q.C.	
APPROVED	

**CROSS SECTIONS
19TH STREET COURT EAST**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	72

FILE: J:\00193\00193001.18\ACAD\dwg\XST19300118-1.dwg LAST SAVED: Tue, 06/16/15 1:17p PLOTTED: Tue, 06/16/15 5:24p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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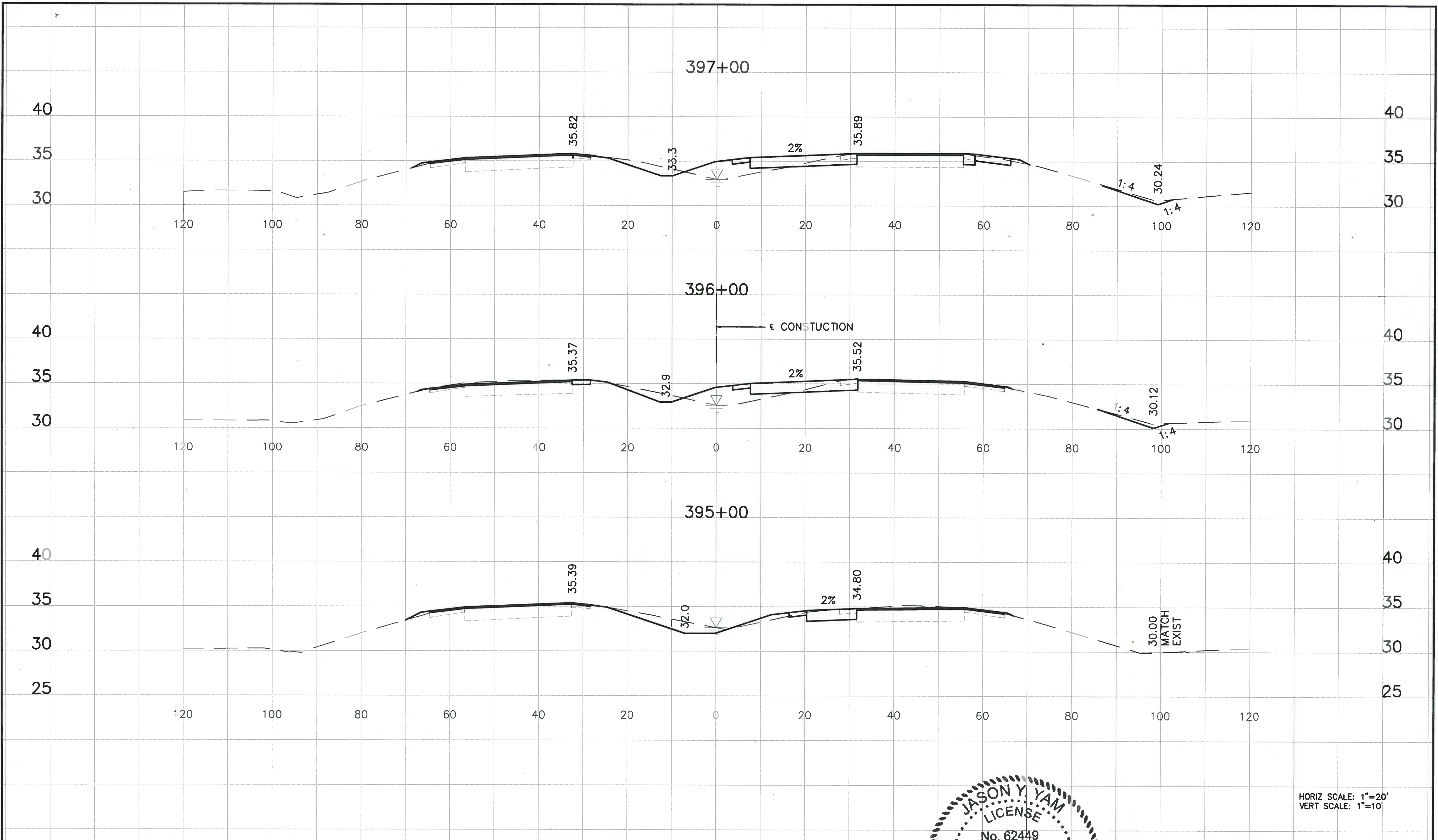
JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED JCC
DRAWN JCC
CHECKED JCC
APPROVED

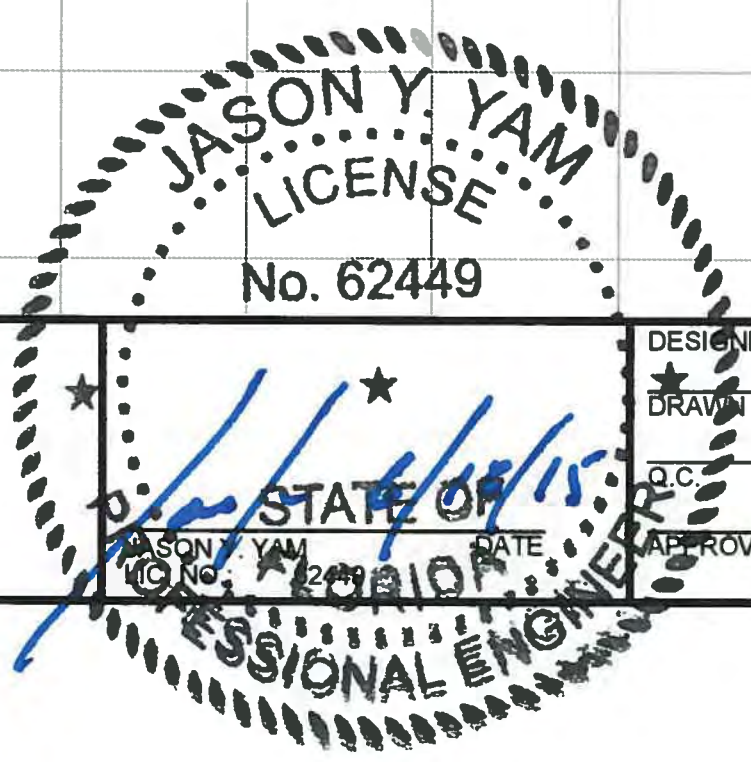
**CROSS SECTIONS
US 301**

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 73

FILE: J:\00193\00193001\18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15 11:17p PLOTTED: Tue, 06/16/15 5:24p BY: John.Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

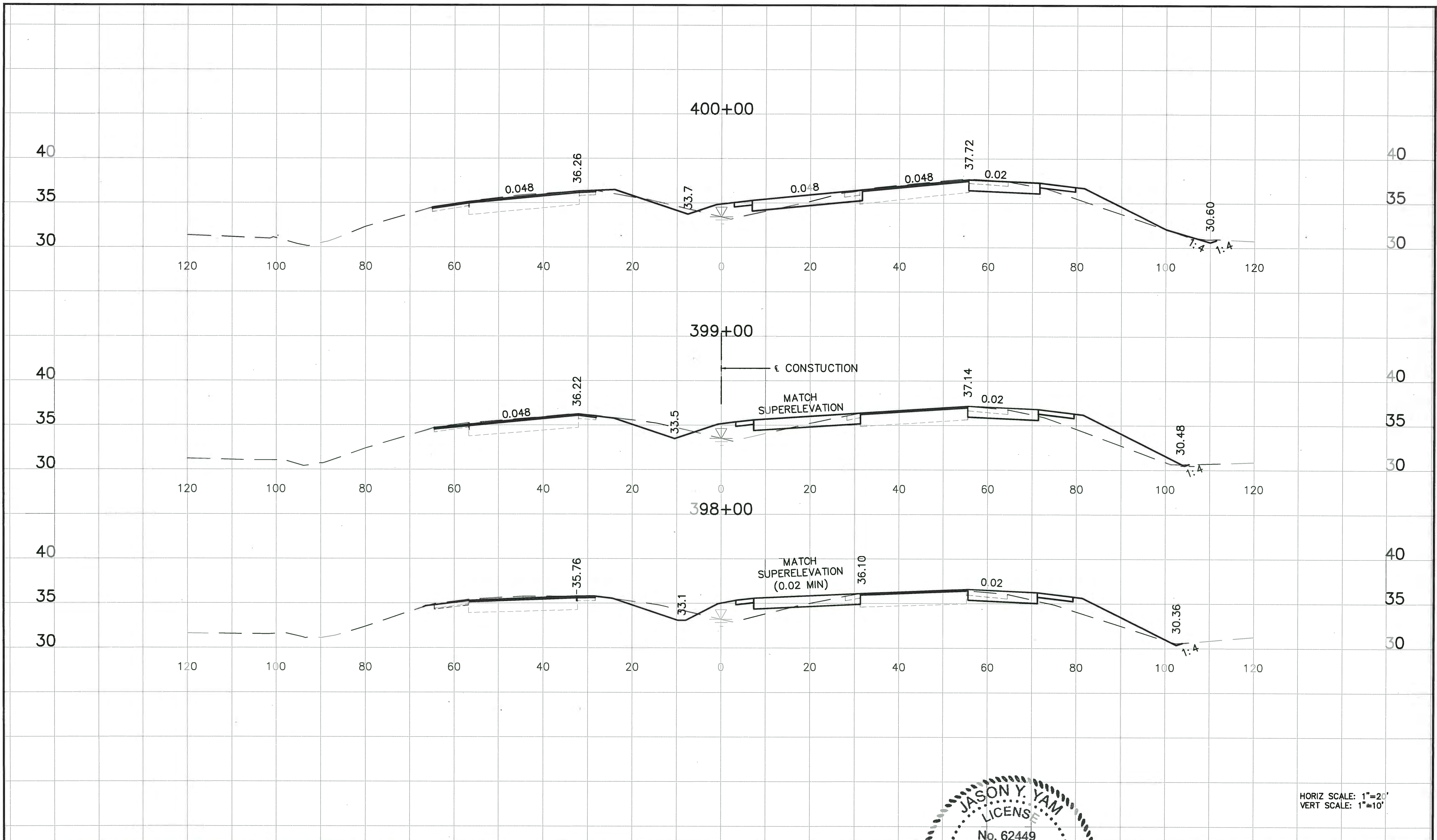
Cardno
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33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29915

DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: JCC

**CROSS SECTIONS
US 301**

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 74

FILE: J:\00193\00193001\18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/18/15-1:17p PLOTTED: Tue, 06/18/15-5:24p BY: John Hutchison



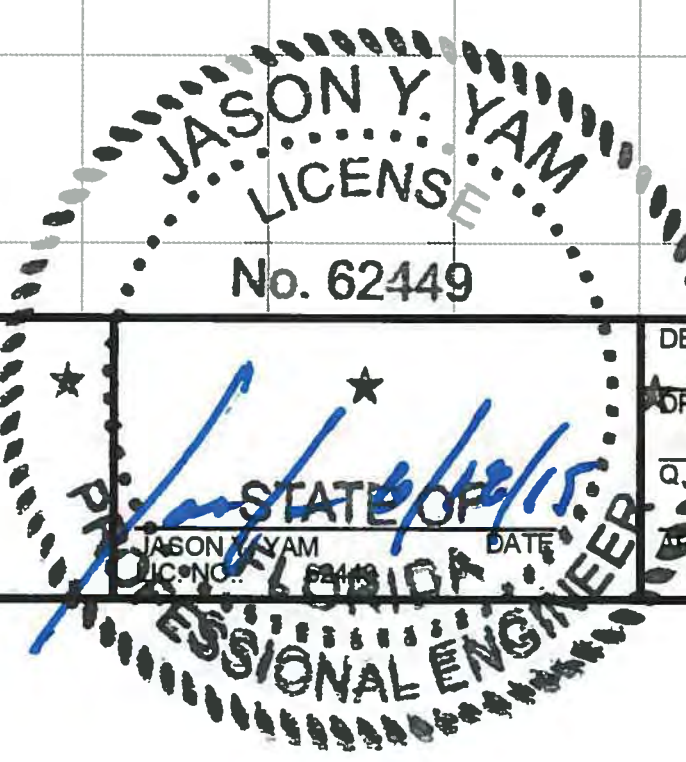
HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

Cardno
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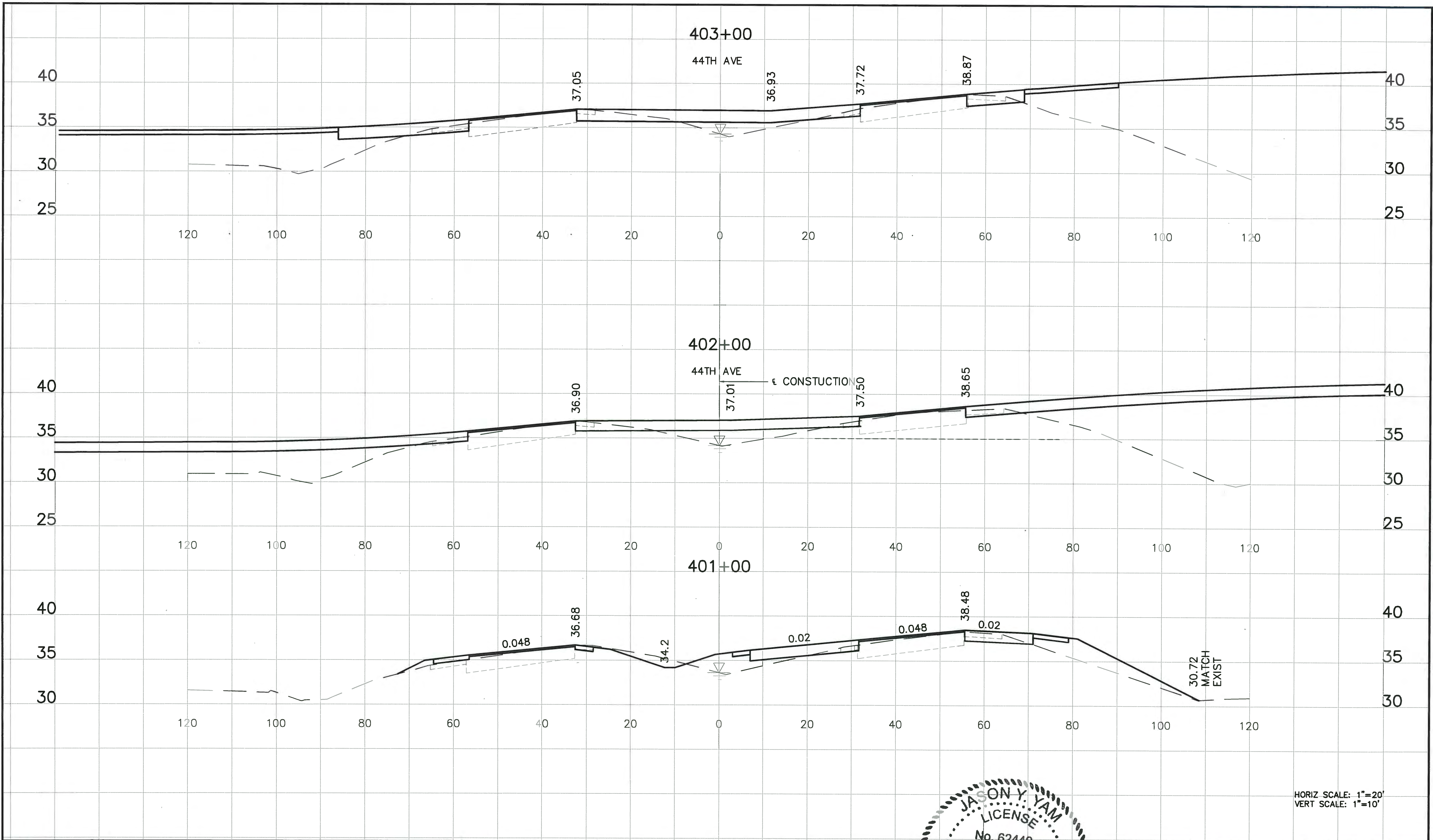


DESIGNED: JCC
DRAWN: JCC
CHECKED: JCC
APPROVED: JCC

**CROSS SECTIONS
US 301**

PROJECT NO:
00193-001-18
DATE:
6-17-2015
SHEET NO:
75

FILE: J:\00193\00193001.18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15 1:17p PLOTTED: Tue, 06/16/15 5:25p BY: John Hutchison



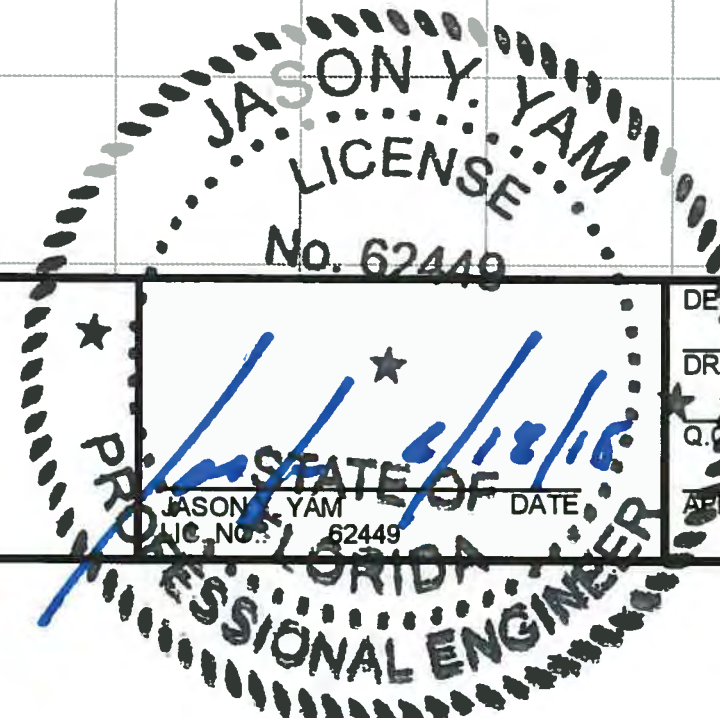
HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

44TH AVENUE EAST
ROADWAY EXTENSION

Cardno
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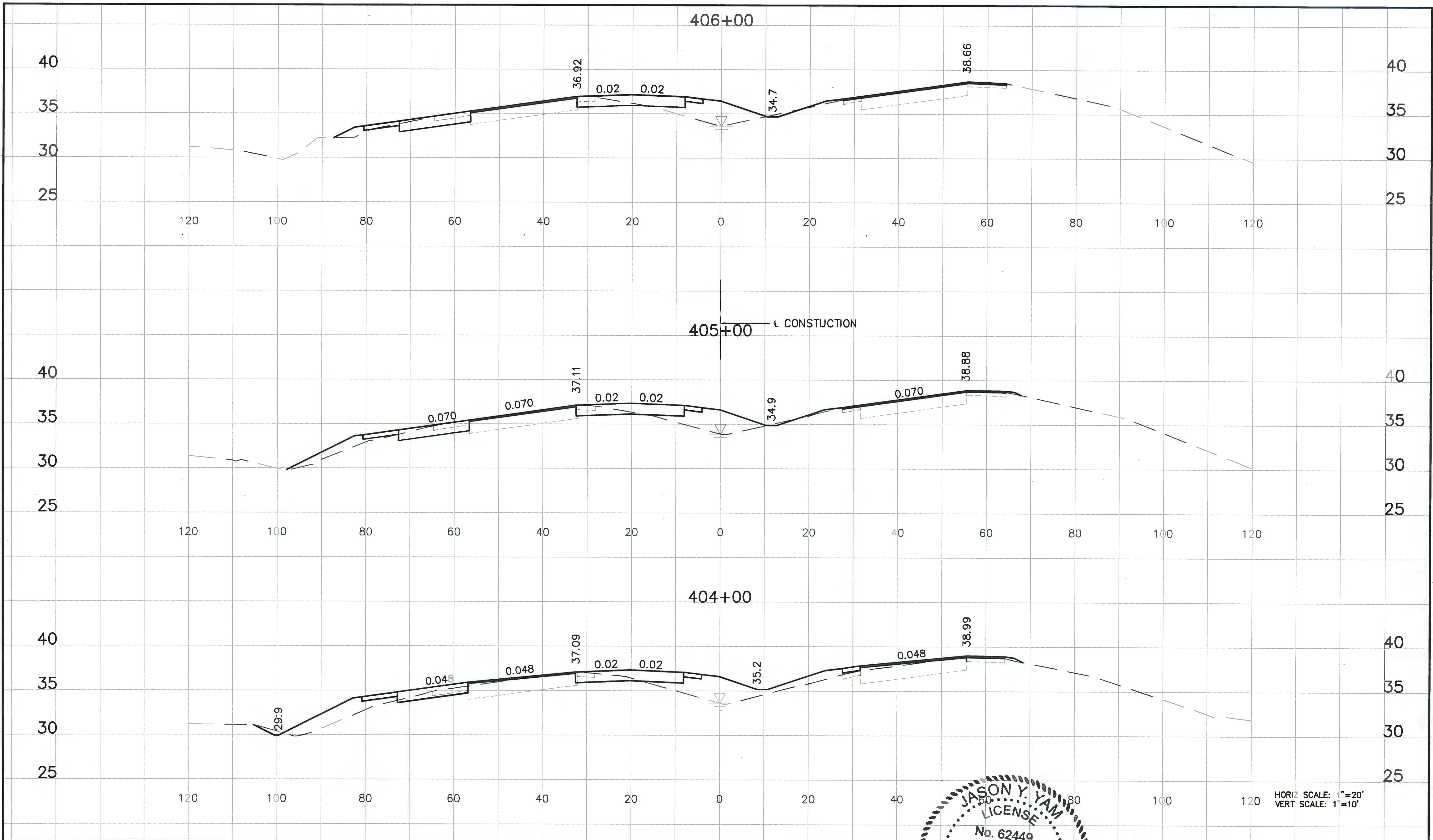


DESIGNED	JCC
DRAWN	JCC
DATE	6/18/15
APPROVED	JCC

CROSS SECTIONS
US 301

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	76

FILE: J:\00193\00193001-18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/18/15-1:17p PLOTTED: Tue, 06/18/15-5:25p BY: John.Hutchison



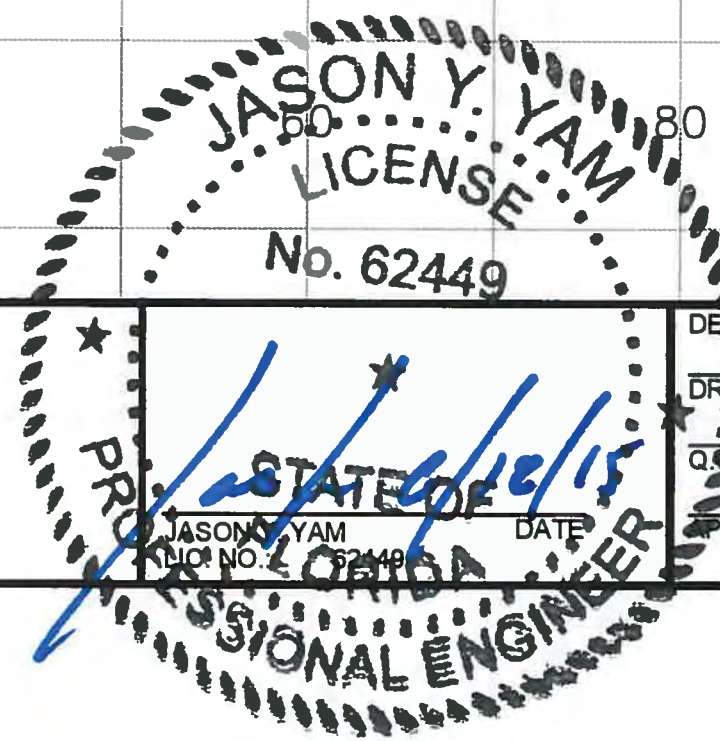
HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

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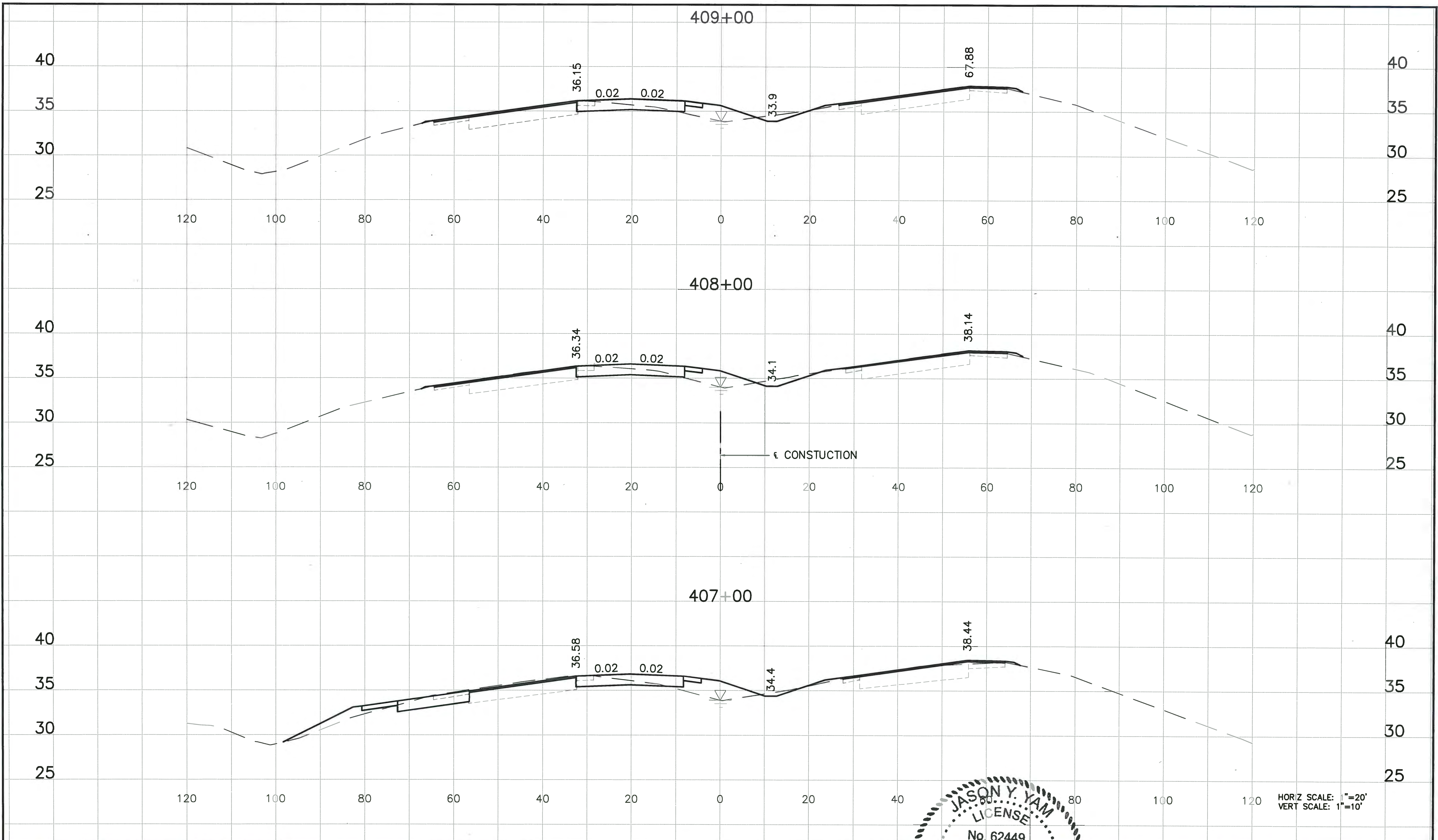


DESIGNED	JCC
DRAWN	JCC
CHECKED	JCC
APPROVED	JCC

**CROSS SECTIONS
US 301**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	77

FILE: J:\00193\00193001-18\CAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:25p BY: John.Hutchison



NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

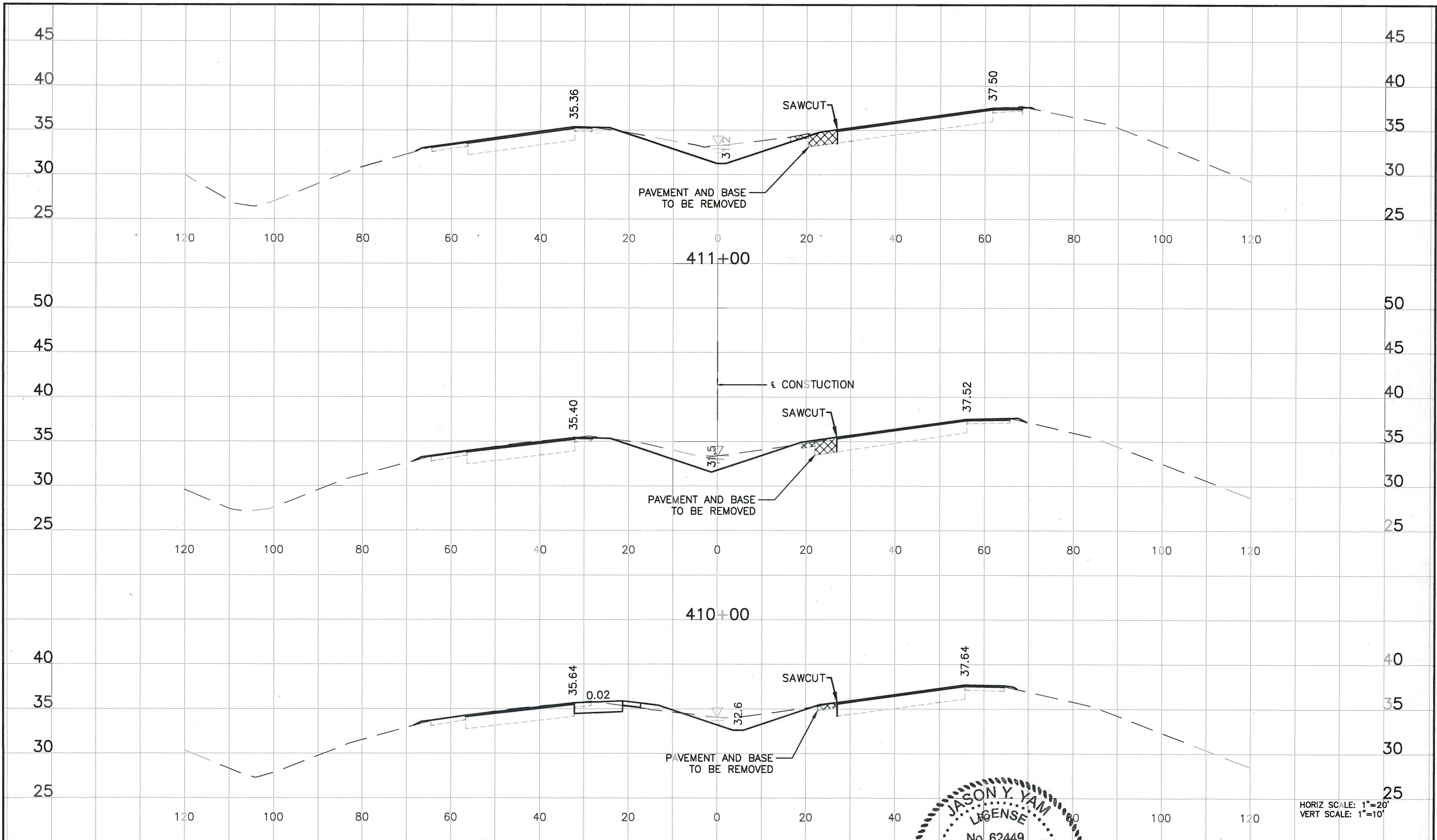
Cardno
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www.cardno.com Certificate of Authorization No. 29915

JASON Y. YAM
LICENSE
No. 62449
STATE OF FLORIDA
PROFESSIONAL ENGINEER

**CROSS SECTIONS
US 301**

PROJECT NO: 00193-001-18
DATE: 6-17-2015
SHEET NO: 78

FILE: J:\00193\00193001-18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:26p BY: John.Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

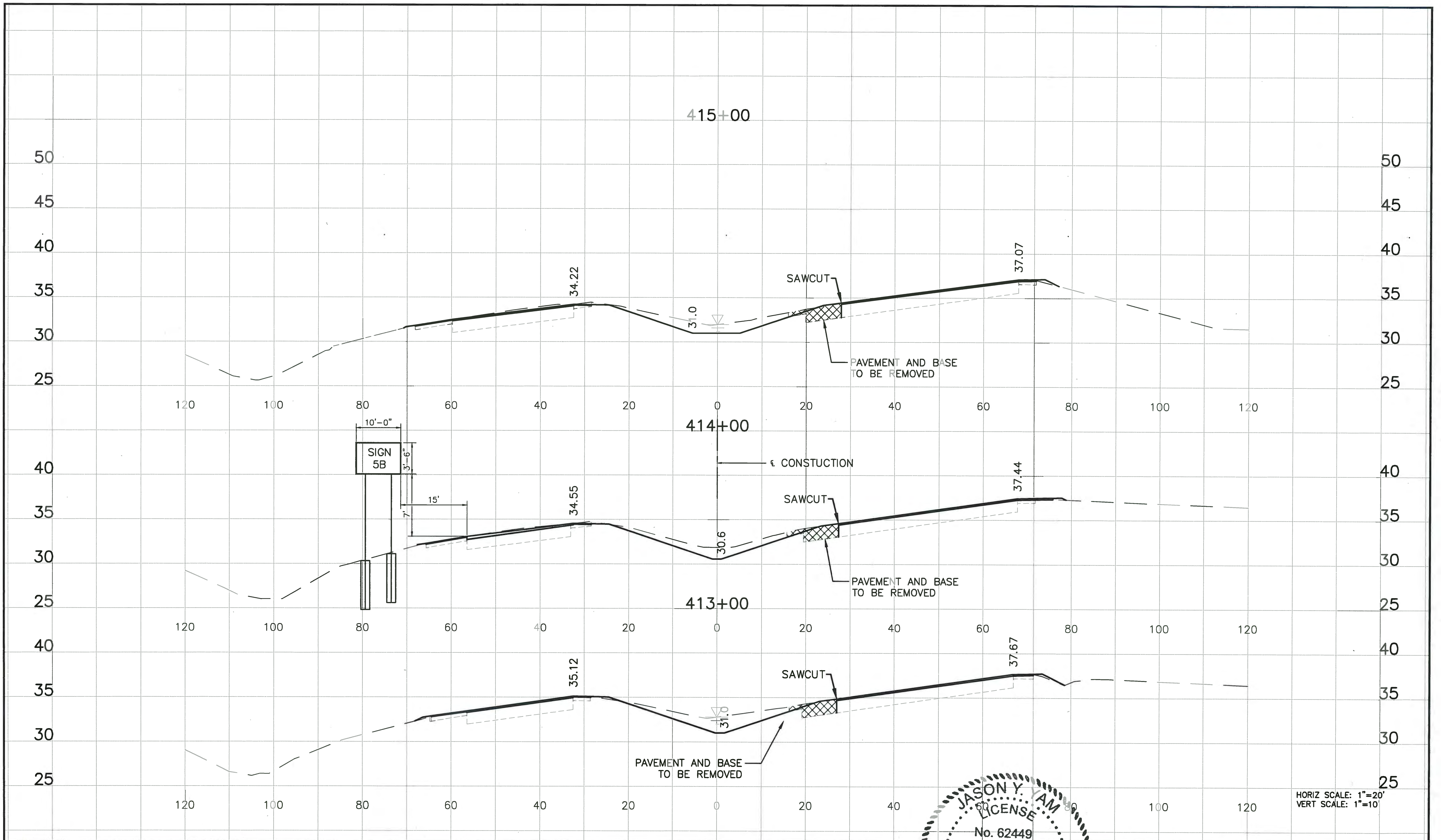
JASON Y. YAM
LICENSE
No. 62449
DATE: 6/15/15
STATE OF FLORIDA
PROFESSIONAL ENGINEER

DESIGNED	JCC
DRAWN	JCC
CHECKED	J.C.
APPROVED	

**CROSS SECTIONS
US 301**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	79

FILE: J:\00193\00193001_18\ACAD\dwg\X19300118-1.dwg LAST SAVED: Tue, 06/16/15-11:17p PLOTTED: Tue, 06/16/15-5:26p BY: John Hutchison



HORIZ SCALE: 1"=20'
VERT SCALE: 1"=10'

NO.	DESCRIPTION	BY	DATE

MANATEE COUNTY

**44TH AVENUE EAST
ROADWAY EXTENSION**

Cardno
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380 PARK PLACE BLVD, STE 300, CLEARWATER, FL
33759 TEL: (727) 531-3505 (800) 861-8314
www.cardno.com Certificate of Authorization No. 29915

JASON Y. TAM
LICENSED PROFESSIONAL ENGINEER
No. 62449
DATE: 6/18/15

DESIGNED	JCC
DRAWN	JCC
CHECKED	
APPROVED	

**CROSS SECTIONS
US 301**

PROJECT NO:	00193-001-18
DATE:	6-17-2015
SHEET NO:	80

FILE: J:\00193\00193001.18\ACAD\dwg\X\19300118-1.dwg LAST SAVED: Tue, 06/16/15-1:17p PLOTTED: Tue, 06/16/15-5:26p BY: John Hutchison