

**Indian River County
Purchasing Division
1800 27th Street
Vero Beach, FL 32960
Phone (772) 226-1416**



ADDENDUM NO. 1

Date: **April 25, 2019**

Project Name: **Vero Lake Estates 85th Street Millings from 101st Avenue to 96th Avenue**

Project Number: **IRC-1628**

Bid Number: **2019012**

Bid Opening Date: **Wednesday, May 15, 2019 at 2:00 p.m.**

TO ALL PROSPECTIVE BIDDERS:

TO PROSPECTIVE BIDDERS AND OTHERS CONCERNED: This ADDENDUM is released to provide the minutes and sign in sheet from the Pre-Bid Conference and is intended to clarify, correct, or change the Bidding Requirements of the Contract Documents. Therefore, it hereby supersedes anything to the contrary in the Bidding Requirements or Contract Documents. This ADDENDUM is hereby made a part of and shall be attached to the subject Bidding Requirements and Contract Documents.

All questions about the meaning or intent of the Bidding Documents are to be submitted to the Purchasing Department in writing at purchasing@ircgov.com. Interpretations or clarifications considered necessary by ENGINEER in response to such questions will be issued by Addenda mailed or delivered to all parties through the Issuing Office as having received the Bidding Documents. Questions received less than ten (10) calendar days prior to the date for opening of Bids shall not be answered (Deadline May 5, 2019 by 2:00 PM). Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

All Bids must be received by the Purchasing Division office located at Room B1-301, 1800 27th Street, Vero Beach, Florida 32960 prior to the date and time shown above. Late bids will not be opened.

Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by OWNER or ENGINEER

CLARIFICATIONS / CORRECTIONS/QUESTIONS:

1. The roadway improvements to Vero Lake Estates 85th Street Millings from 101st Avenue to 96th Avenue Optional / Alternative Bid has been revised to include:
 - Signing & Pavement Marking sheets S1-S6. These sheets include the addition of new sign placement, roadway striping and Retro-Reflective Pavement Markers.
2. Signing & Pavement Marking sheets S1-S6 shall conform to Sections 706 and 711 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January, 2018.

Bid Item No. 700-1-11	Single Post Sign, F&I Ground Mount, Up to 12 SF – Per Assembly
Bid Item No. 706-3	Retro-Reflective Pavement Markers (Bi-Directional Amber/Amber) – Per Each
Bid Item No. 711-11-125	Thermoplastic, Standard, White, Solid, 24” for Stop Line and Crosswalk - Per Linear Foot
Bid Item No. 711-16-101	Thermoplastic, Standard, White, Solid, 6” – Per Linear Foot
Bid Item No. 711-16-201	Thermoplastic, Standard, Yellow, Solid, 6” – Per Linear Foot
3. Cover Sheet 1 of the Bid Set drawings has been revised to reflect the scope of these revisions.
4. Sheet 8 of the Bid Set drawings has been revised to show the addition of the items to the Summary of Pay Items.
5. Signing & Pavement Marking Sheets S1-S6 have been added to the Bid Set drawings.
6. The Itemized Bid Schedule Section 00310, pages 3 & 4 of the Contract Documents has been modified to reflect the revisions to Sheets 1, 8 and S1-S6 of the Bid Set drawings. The revised Itemized Bid Schedule shall supersede the original Itemized Bid Schedule.

Attachments:

1. Revised Itemized Bid Schedule Section 00310, pages 3 & 4 of the Contract Documents.
2. Revised Sheets 1, 8 and S1-S6 of the Bid Set drawings.
3. Pre-Bid Meeting Minutes
4. Pre-Bid Meeting Sign In Sheet

*******This Addendum must be acknowledged with submittal package and/or by return of this Acknowledgement with your submittal package *******

Company Name _____

Name: _____ **Title:** _____
(Type / Printed)

Authorized Signature: _____ **Date:** _____

Telephone: _____ **Email:** _____



Board of County Commissioners

1801 27th Street
Vero Beach, Florida 32960-3365
Telephone: (772) 567-8000
Fax: (772) 778-9391

PRE-BID MEETING MINUTES VERO LAKE ESTATES 85TH STREET MILLINGS FROM 101ST AVENUE TO 96TH AVENUE

IRC-1628

April 25, 2019 at 10:00 AM
Conference Room A1-303

The following meeting notes set forth our understanding of the discussions and decisions made at the subject meeting. Any questions, additions, or comments regarding the meeting notes must be received no later than Sunday, May 5, 2019 at 2:00 PM.

This meeting was recorded as part of the project records.

PROJECT NAME

Vero Lake Estates 85th Street Millings from 101st Avenue to 96th Avenue

BID NUMBER

2019012

INTRODUCTIONS/SIGN IN SHEET

CONTRACT DETAILS

Bid Opening: Wednesday, May 15, 2019 at 2:00 PM

Contract Time: 150 days to substantial completion

180 days to final completion

Liquidated Damages: \$1,665.00 per day

CONTACTS BIDDING PROCESS

All communications concerning this bid shall be directed to Indian River County Purchasing Division at purchasing@ircgov.com

PROJECT DESCRIPTION: The project will consist of placement of millings on 85th Street between 101st Avenue and 96th Avenue in Vero Lakes Estates and will include driveway turnouts, drainage system improvements, earthwork, and installation of signs and pavement markings.

UTILITIES

AT&T

Comcast

FP&L

Indian River County Telecommunications

Indian River County Traffic

Indian River County Utilities

OTHER ISSUES

- Review and comment with questions and clarifications as soon as possible, no further comments 10 days prior to bid opening (Bid opening is May 15, 2019, deadline for questions is May 5, 2019).
- The Notice to Proceed to be determined after award of bid.
- Maintenance of Traffic:
 - Contractor will be required to submit a Maintenance of Traffic Plan signed & sealed by a Florida registered professional engineer to the Traffic Division and receive approval.
 - Access for all residences, roads, school buses, sanitation and US Postal Service shall be maintained at all times.
 - The Maintenance of Traffic Plan shall meet the FDOT Index 600, FY 2017-2018 edition & MUTCD minimums.
- Excavation material – to be removed and disposed of by Contractor unless otherwise called for in plans and bid documents. This material may be utilized on site if deemed suitable.
- Testing by TBD
- Work hours are 7:00 AM-5:00 PM.
- A hurricane contingency plan shall be submitted to the County prior to construction in case of a significant tropical/weather event.
- Material storage and staging areas.
- Invoicing: Contractor shall submit monthly invoices – one (1) original Contractor's Application for Payment (Section 00622 in Contract Docs), including Surety's Consent and all applicable releases of liens.
- PERMITS – SJRWMD permit is not required for this project.

DISCUSSION

- Clarification was given that the work hours are Monday through Friday.
- It was asked if the Itemized Bid Schedule could be distributed to the bidders in Excel format. It was determined after the meeting that it will not be distributed.
- The Autocad file can be provided to the successful bidder of this project.
- The roadway construction method of "Chip Seal" is not an option for this project.
- The budget for this project was not available at the time of the meeting.
- Material storage and staging areas have not been identified at this time.
- There is an Addendum forthcoming that will include the pavement markings for the Alternative Bid.
- Meeting adjourned at 10:20 AM.

ATTACHED

Sign in sheet

PRE-BID MEETING
SIGN-IN SHEET
INDIAN RIVER COUNTY ENGINEERING / ROADWAY PRODUCTION
INDIAN RIVER COUNTY ADMINISTRATION BUILDING
 Room A1-303 Building A
VERO LAKE ESTATES 85th STREET MILLINGS
FROM 101st AVENUE TO 96th AVENUE
PROJECT IRC-1628
April 25, 2019 at 10:00 A.M.

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
Larry Dale	Dickerson Road	772-429-4456 772-216-9768	ldale@dfiFL.com
Tim Rose	TRC	772-564-7800 772-564-7888	timrose@comcast.net
William Johnson	IRC - ENR	772-226-1986	wjohnson@ircgov.com
Diane Lystlund	IRC - Purchasing	772-226-1418	dlystlund@ircgov.com

PRE-BID MEETING
SIGN-IN SHEET
INDIAN RIVER COUNTY ENGINEERING / ROADWAY PRODUCTION
INDIAN RIVER COUNTY ADMINISTRATION BUILDING
 Room A1-303 Building A
VERO LAKE ESTATES 85th STREET MILLINGS
FROM 101st AVENUE TO 96th AVENUE
PROJECT IRC-1628
April 25, 2019 at 10:00 A.M.

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
KEVIN HANSEN	IRC ENGINEERING 1801 27TH ST. VERO BEACH, FL 32900	772-226-1465	KHANSEN@IRC.GOV.COM
Kris Share	Asphalt Paving Systems	813-480-1865	K.Shareups@gmail.com
Bill Yoder	Ranger Construction Ind Inc. 4510 Glades Cut-Off Rd Fort Pierce, FL 34981	772-464-6460 772-466-9559 772-216-2562	bill.yoder@rangerconstruction.com
Moe Madrigal	Dickerson Fla Inc 3122 W 25 th St Ft Pierce Fla 34946	772-429-4444 772-429-4445 772-216-9764	mmadrigal@dfi.fl.com
RAY SHEFFER	Dickerson FL INC	772-216-5449	RSheffer@DFI.FL.COM

*** ADDENDUM 1 4/25/19**

ITEMIZED BID SCHEDULE

**PROJECT NAME: VERO LAKE ESTATES 85th STREET MILLINGS FROM
101st AVENUE TO 96th AVENUE**

PROJECT NO: IRC-1628, BID NO. 2019012

BIDDER'S NAME: _____

Item No.	Description	Unit	Unit Price	Quantity	Amount
101-1	MOBILIZATION	LS		1	
102-1	MAINTENANCE OF TRAFFIC	LS		1	
104-1	ARTIFICIAL COVERINGS/ROLLED EROSION CONTROL PRODUCTS (JUTE MESH)	SY		38	
104-10-3	SEDIMENT BARRIER	LF		1,283	
104-18	INLET PROTECTION SYSTEM	EA		14	
104-20	CHEMICAL TREATMENT-FLOC LOGS, DRUMS	EA		12	
110-1-1	CLEARING & GRUBBING	LS		1	
110-7-1	MAILBOX, F&I SINGLE (RELOCATION)	EA		1	
120-1	REGULAR EXCAVATION	CY		6,585	
120-6	EMBANKMENT	CY		402	
160-4	TYPE "B" STABILIZATION (12" SUBGRADE LBR 40) (ROADWAY)	SY		15,066	
284-1	ASPHALT MILLINGS (8" THICK) (TWO LIFTS)	SY		13,980	
284-1A	ASPHALT MILLINGS (6" THICK) (DRIVEWAYS)	SY		71	
425-1-521	INLETS, DT BOT, TYPE C, <10'	EA		4	
430-174-215	PIPE CULVERT, OTHER SHAPE - ELLIP/ARCH, 15" SD (12"x18") (RCP)	LF		48	
430-175-115	PIPE CULVERT, ROUND - 15" S/CD (PP) (CLASS II) (STORM)	LF		160	
430-175-118	PIPE CULVERT, ROUND, 18" S/CD (PP) (CLASS II) (STORM)	LF		120	
430-175-118A	PIPE CULVERT, ROUND, 18" S/CD (CMP)	LF		40	
430-982-123	MITERED END SECTION, 15" CD	EA		8	
430-984-623	MITERED END SECTION, ELLIP/ARCH, 15" SD (12"x18")	EA		2	
536-1-0	GUARDRAIL-ROADWAY, GENERAL/LOW SPEED TL-2	LF		300	
570-1-2	PERFORMANCE TURF, SOD (BAHIA)	SY		21,804	
*700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS		4	
700-1-50	SINGLE SIGN POST, RELOCATE	AS		28	
999-1	AS-BUILT DRAWING (BY REGISTERED SURVEYOR)	LS		1	

*** ADDENDUM 1 4/25/19**

ITEMIZED BID SCHEDULE

**PROJECT NAME: VERO LAKE ESTATES 85th STREET MILLINGS FROM
101st AVENUE TO 96th AVENUE**

PROJECT NO: IRC-1628, BID NO. 2019012

BIDDER'S NAME: _____

Item No.	Description	Unit	Unit Price	Quantity	Amount
TOTAL BASE BID					
999-25				FORCE ACCOUNT	150,000.00
TOTAL BASE BID (PLUS FORCE ACCOUNT)					
TOTAL BASE BID (PLUS FORCE ACCOUNT) AMOUNT IN WORDS _____					

OPTIONAL / ALTERNATIVE TYPICAL SECTION					
285-706	OPTIONAL BASE, BASE GROUP 06 (8" CEMENTED COQUINA SHELL BASE, LBR 100, 2 LIFTS)	SY		15,066	
334-1-13	SUPERPAVE ASPHALTIC CONC., TRAFFIC C (TYPE SP 12.5, 1-1/2" THICK)	TN		1,159	
337-7-82	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, TYPE FC-9.5, PG 76-22 (1" THICK)	TN		773	
*706-3	RETRO-REFLECTIVE PAVEMENT MARKERS (BI-DIRECTIONAL AMBER/AMBER)	EA		218	
*711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF		297	
*711-16-101	THERMOPLASTIC, STANDARD, WHITE, SOLID 6"	LF		9,236	
*711-16-201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF		7,529	
SUB-TOTAL					
284-1	ASPHALT MILLINGS (8" THICK) (TWO LIFTS)	SY		(13,890)	
284-1A	ASPHALT MILLINGS (6" THICK) (DRIVEWAY)	SY		(71)	
TOTAL OPTIONAL/ALTERNATE BID					
TOTAL PROJECT BID AMOUNT (INCLUDING BASE BID, FORCE ACCOUNT AND OPTIONAL/ALTERNATE BID)					
IN WORDS _____					

LS=Lump Sum SY=Square Yard LF=Linear Foot EA=Each CY=Cubic Yard AS=Assembly TN=Ton NOTE: IF THERE IS A DISCREPANCY BETWEEN THE PLANS (SUMMARY OF PAY ITEMS) AND THE ITEMIZED BID SCHEDULE, THE BID SCHEDULE WILL BE UTILIZED FOR BIDDING PURPOSES.					

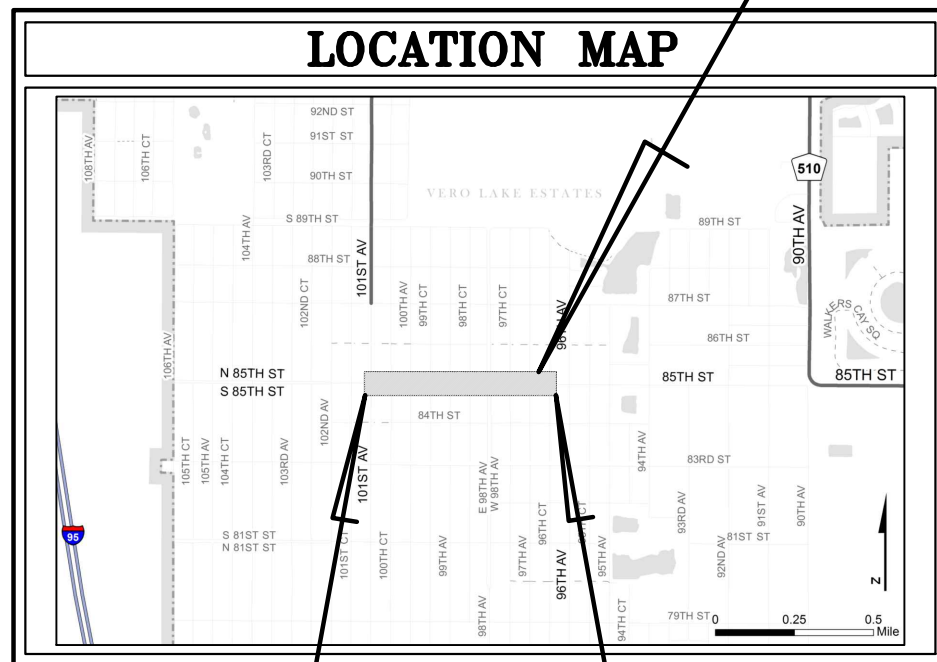
INDIAN RIVER COUNTY

BOARD OF COUNTY COMMISSIONERS

VERO LAKE ESTATES 85th STREET MILLINGS FROM 101st AVENUE TO 96th AVENUE

COUNTY PROJECT IRC-1628

LOCATION OF PROJECT



BEGIN PROJECT
STA. 10+46.92

END PROJECT
STA. 42+59.92

ROADWAY IMPROVEMENT LENGTH = 3,213 FT.
= 0.609 MILES

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
"FY 2017-18 DESIGN STANDARDS" AND
"STANDARDS SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION" (JANUARY, 2018 EDITION),
AS AMENDED BY CONTRACT DOCUMENTS.



SHEET INDEX

- 1 COVER SHEET
- 2 STANDARD ABBREVIATIONS
- 3 TYPICAL SECTION
- 4 GENERAL NOTES
- 5-7 DETAILS
- 8 SUMMARY OF PAY ITEMS
- 9-15 PLANS
- 16-23 CROSS SECTIONS
- 24-30 SWPPP
- S1-S6 SIGNING & PAVEMENT MARKINGS
(OPTIONAL/ALTERNATIVE BID)

PLAN REVISION SUMMARY

- ADD SIGNING & PAVEMENT MARKING SHEETS S1 THRU S6 OF 6. 4/4/19
- ADD PAVEMENT MARKING QUANTITIES TO SUMMARY OF PAY ITEMS SHEET 8 OF 30. CLARIFY YEAR FOR GOVERNING STANDARDS AND SPECIFICATIONS, COVER SHEET. ADDENDUM NO. 1.

PREPARED BY
INDIAN RIVER COUNTY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
1801 27TH STREET, VERO BEACH, FLORIDA 32960

ASSISTANT PUBLIC WORKS DIRECTOR: JAMES W. ENNIS, P.E., PMP
ENGINEER OF RECORD: WILLIAM JOHNSON, P.E.

PAY ITEM FOOTNOTES

101-1 MOBILIZATION INCLUDES THE COST OF BONDS AND ANY REQUIRED INSURANCE AND ANY OTHER PRECONSTRUCTION EXPENSE NECESSARY FOR THE START OF THE WORK, EXCLUDING THE COST OF CONSTRUCTION MATERIALS. THE COST OF AS-BUILT DRAWINGS SHALL BE INCLUDED IN THIS PAY ITEM.

102-1 INCLUDES VERTICAL PANELS, ATTENUATORS, SIGNS, MESSAGE BOARDS, BARRICADES, AND ALL OTHER INCIDENTAL TRAFFIC ITEMS REQUIRED FOR THE MAINTENANCE OF TRAFFIC. ASPHALTIC TRACKING ADJACENT TO PROJECT WILL REQUIRE REPLACEMENT OF AFFECTED PERMANENT THERMOPLASTIC STRIPING. COST TO BE INCLUDED WITHIN THIS ITEM.

104-20 INCLUDES BUT NOT LIMITED TO ALL MATERIAL, LABOR, MAINTENANCE AND REMOVAL NECESSARY TO PREVENT SEDIMENT TRANSPORT BEYOND THE PROJECT LIMITS. INCLUDES SILT FENCE, INLET PROTECTION, STAKED TURBIDITY BARRIERS, FLOATING TURBIDITY BARRIERS, FLOC LOGS AND JUTE MESH.

110-1-1 INCLUDES BUT NOT LIMITED TO VEGETATION & TOPSOIL REMOVAL SAW CUT AND/OR REMOVAL OF EXISTING PAVEMENT, ASPHALT OR CONCRETE, CURB OR SIDEWALK, THE REMOVAL OF EXISTING GUARDRAIL AND THE REMOVAL OF EXISTING PIPES CULVERTS, HEADWALLS AND/OR STRUCTURES. WHERE EXISTING PIPES ARE REMOVED AND THE EXISTING STRUCTURE REMAINS, THE RESULTING HOLE SHALL BE FORMED AND FILLED WITH CONCRETE. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF FLORIDA TRENCH SAFETY ACT. INCIDENTAL CONSTRUCTION COSTS INCLUDING, SURVEY STAKING, NPDES PERMITTING, AND UTILITY COORDINATION ARE INCLUDED IN THE UNIT COST OF RELATED ITEMS.

120-1 EXCESS REGULAR EXCAVATION MATERIAL FROM EXISTING ROADWAY TO BE DELIVERED WITHIN 2 MILES OF PROJECT SITE ALONG 77TH STREET TO A LOCATION PROVIDED BY INDIAN RIVER COUNTY PUBLIC WORKS PROJECT MANAGER AND ALL COST FOR DELIVERY SHALL BE INCLUDED IN THIS PAY ITEM.

160-4 INCLUDES MATERIAL TO PROVIDE LBR 40, GRADING, COMPACTING, HAUL AWAY EXCESS MATERIAL, ETC..

425-1-521 INLET GRATES SHALL BE RECTICULINE STEEL, REQUIRE H-20 LOADING AND BE HOT DIP GALVANIZED.

△ 700-1-11 DESIGNATES ONE WAY SIGNS AS PART OF BASE BID.

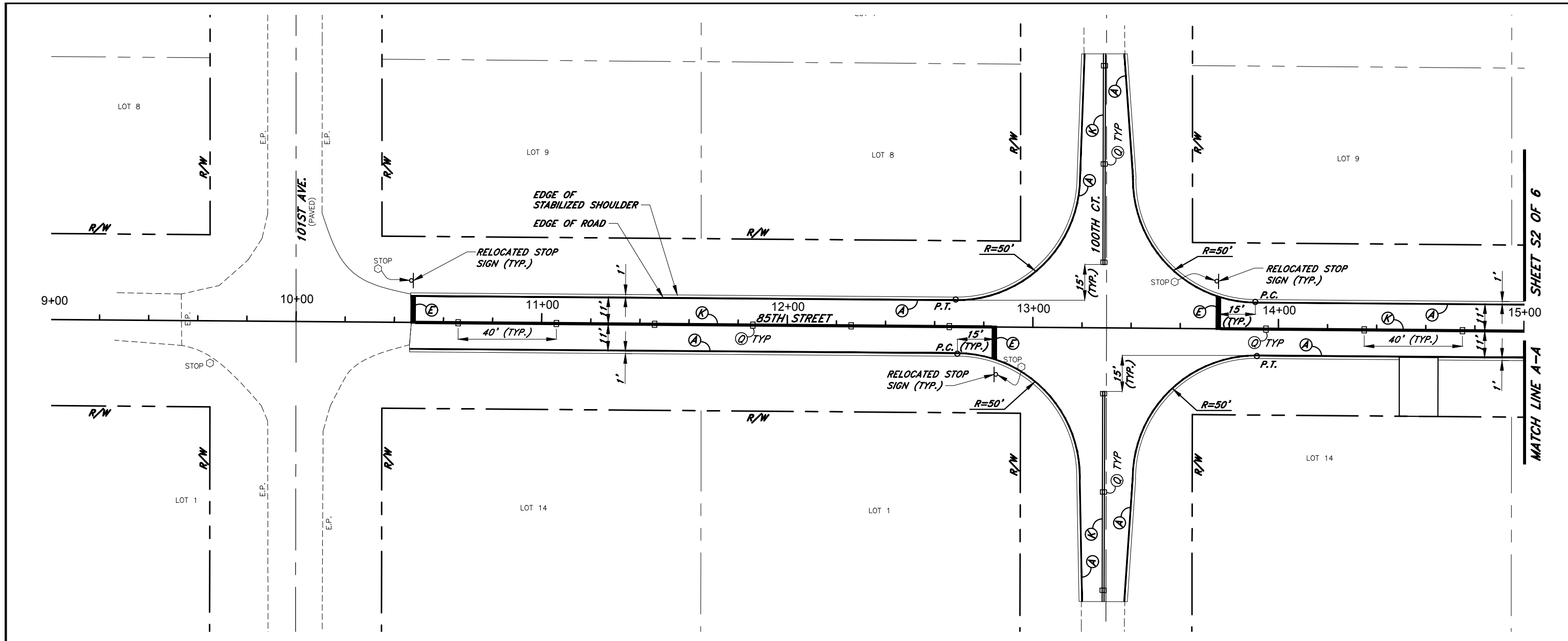
OPTIONAL/ALTERNATIVE TYPICAL SECTION

285-706: THE COST OF PRIME OR TACK COATS USED BETWEEN LAYERS OF THE BASE ARE INCLUDED IN THE COST OF THE OPTIONAL BASE.

334-1-13: INCLUDES THE TACK COAT BETWEEN ASPHALT LAYERS. ASPHALT SHALL BE TRAFFIC LEVEL C.

ITEM NO.	DESCRIPTION	UNITS	ESTIMATED QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-1	ARTIFICIAL COVERINGS/ROLLED EROSION CONTROL PRODUCTS (JUTE MESH)	SY	38
104-10-3	SEDIMENT BARRIER	LF	1,283
104-18	INLET PROTECTION SYSTEM	EA	14
104-20	CHEMICAL TREATMENT-FLOC LOGS, DRUMS	EA	12
110-1-1	CLEARING AND GRUBBING	LS	1
110-7-1	MAILBOX, F&I SINGLE (RELOCATION)	EA	1
120-1	REGULAR EXCAVATION	CY	6,585
120-6	EMBANKMENT	CY	402
160-4	TYPE "B" STABILIZATION (12" SUBGRADE LBR 40) (ROADWAY)	SY	15,066
284-1	ASPHALT MILLINGS (8" THICK) (TWO LIFTS)	SY	13,980
284-1A	ASPHALT MILLINGS (6" THICK) (DRIVEWAYS)	SY	71
425-1-521	INLETS, DT BOT, TYPE C, <10'	EA	4
430-174-215	PIPE CULVERT, OTHER SHAPE - ELLIP/ARCH, 15" SD (12"x18") (RCP)	LF	48
430-175-115	PIPE CULVERT, ROUND - 15" S/CD (PP) (CLASS II) (STORM)	LF	160
430-175-118	PIPE CULVERT, ROUND, 18" S/CD (PP) (CLASS II) (STORM)	LF	120
430-175-118A	PIPE CULVERT, ROUND, 18" S/CD (CMP)	LF	40
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536-1-0	GUARDRAIL-ROADWAY, GENERAL/LOW SPEED TL-2	LF	300
570-1-2	PERFORMANCE TURF, SOD (BAHIA)	SY	21,804
△ 700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	4
700-1-50	SINGLE POST SIGN, RELOCATE	AS	28
999-1	AS-BUILT DRAWING (BY REGISTERED SURVEYOR)	LS	1
OPTIONAL/ALTERNATIVE TYPICAL SECTION			
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△ 711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	294
△ 711-16-101	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	LF	9,236
△ 711-16-201	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	LF	7,529

ADDENDUM NO. 1



ADDENDUM NO. 1

STRIPING KEY

- A = 6" SOLID WHITE
- B = 8" SOLID WHITE
- C = 12" SOLID WHITE
- D = 18" SOLID WHITE
- E = 24" SOLID WHITE
- F = 6" SKIP WHITE TYP. (10'-30')
- G = 6" SKIP WHITE TYP. (6'-10')
- H = 6" SKIP WHITE TYP. (2'-4')
- I = 6" SOLID YELLOW
- J = 18" SOLID YELLOW
- K = 6" DOUBLE YELLOW
- L = 6" SKIP YELLOW TYP. (10'-30')
- M = 6" SKIP YELLOW TYP. (6'-10')
- N = 6" SKIP YELLOW TYP. (2'-4')
- P = RPM MONO-DIRECTIONAL WHITE/CLEAR
- Q = RPM BI-DIRECTIONAL AMBER/AMBER
- R = 6" DOUBLE YELLOW (6'-10')
- T = RPM BI-DIRECTIONAL WHITE/RED

NOTES:

1. SIGNS AND PAVEMENT MARKINGS ARE TO CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE INDIAN RIVER COUNTY TYPICAL DRAWINGS FOR ROADWAY SIGNING, STRIPING AND GEOMETRICS.
2. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL EXTRUDED THERMOPLASTIC.
3. RAISED REFLECTIVE PAVEMENT MARKERS (RPMs) ARE TO CONSIST OF 4 INCH SQUARE MONO-DIRECTIONAL WHITE AND BI-DIRECTIONAL YELLOW.
4. RPMs SHALL BE POSITIONED IN ACCORDANCE WITH FDOT INDEX 17352.
5. ALL SIGN SHEET MATERIAL SHALL BE HIGH INTENSITY.
6. ALL SIGN POSTS SHALL BE 1-3/4"x1-3/4" 12 GAUGE GALVANIZED SQUARE TUBING WITH OPEN HOLES AND ALL ANCHOR BASES SHALL BE 2"x2" 12 GAUGE GALVANIZED SQUARE TUBING WITH OPEN HOLES.



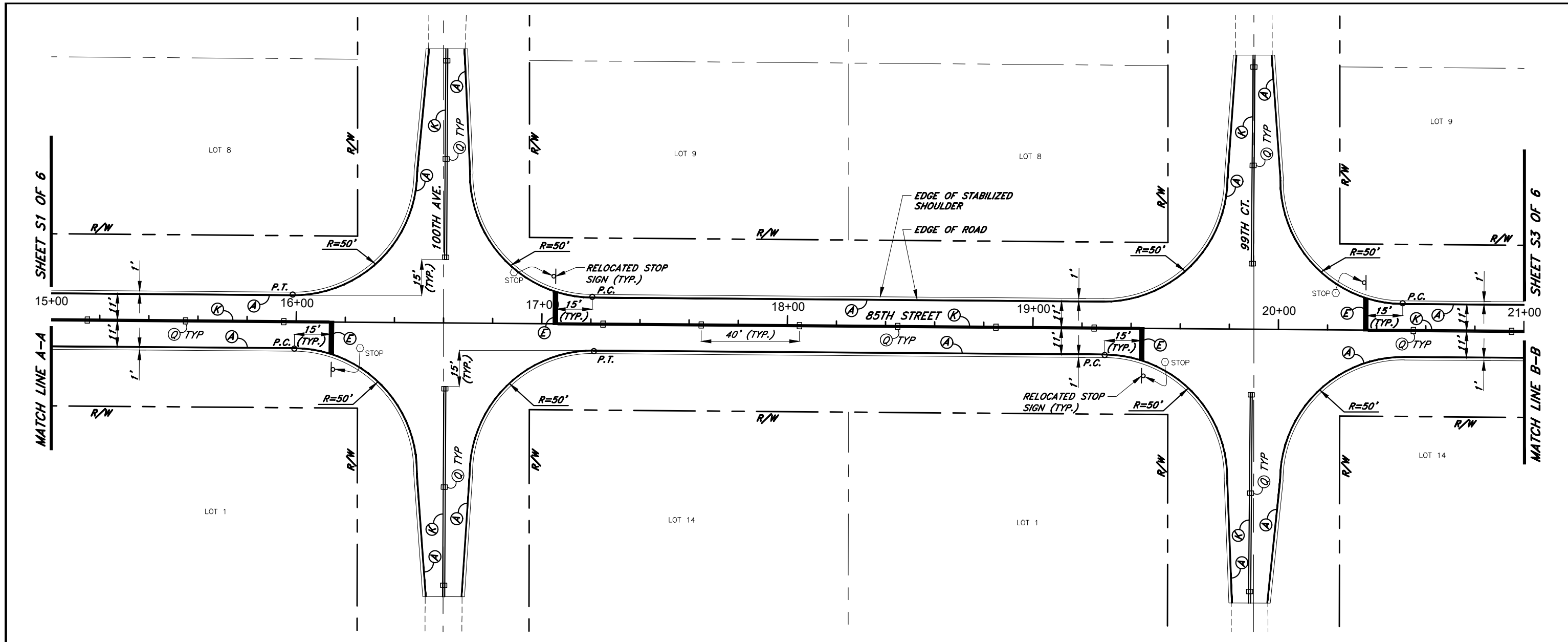
No.	Revision	Date	By	INDIAN RIVER COUNTY 1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000
1	ADD SIGNING & PAVEMENT MARKING SHEETS	4/4/19	KPH	



Department of Public Works
Engineering Division

DESIGNED BY: W. JOHNSON, P.E.	SECTION 27,28,33,34 TOWNSHIP 31S RANGE 38E	DATE: 4/3/19
DRAWN BY: K. P. HANSEN	FIELD BOOK NO. BLANCHARD #127, 31-53	COUNTY PROJECT NO. IRC-1628
APPROVED BY: W. JOHNSON, P.E.	PAGE	

VERO LAKE ESTATES 85th STREET MILLINGS
SIGNING & PAVEMENT MARKINGS



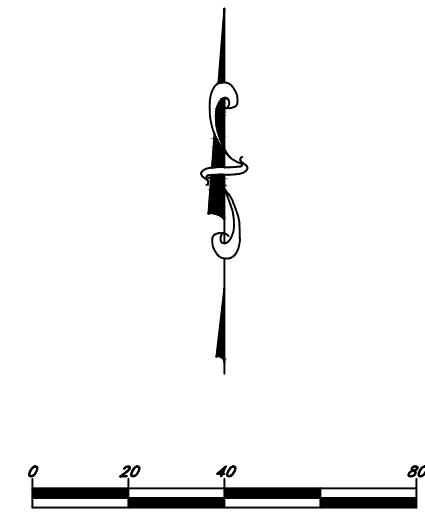
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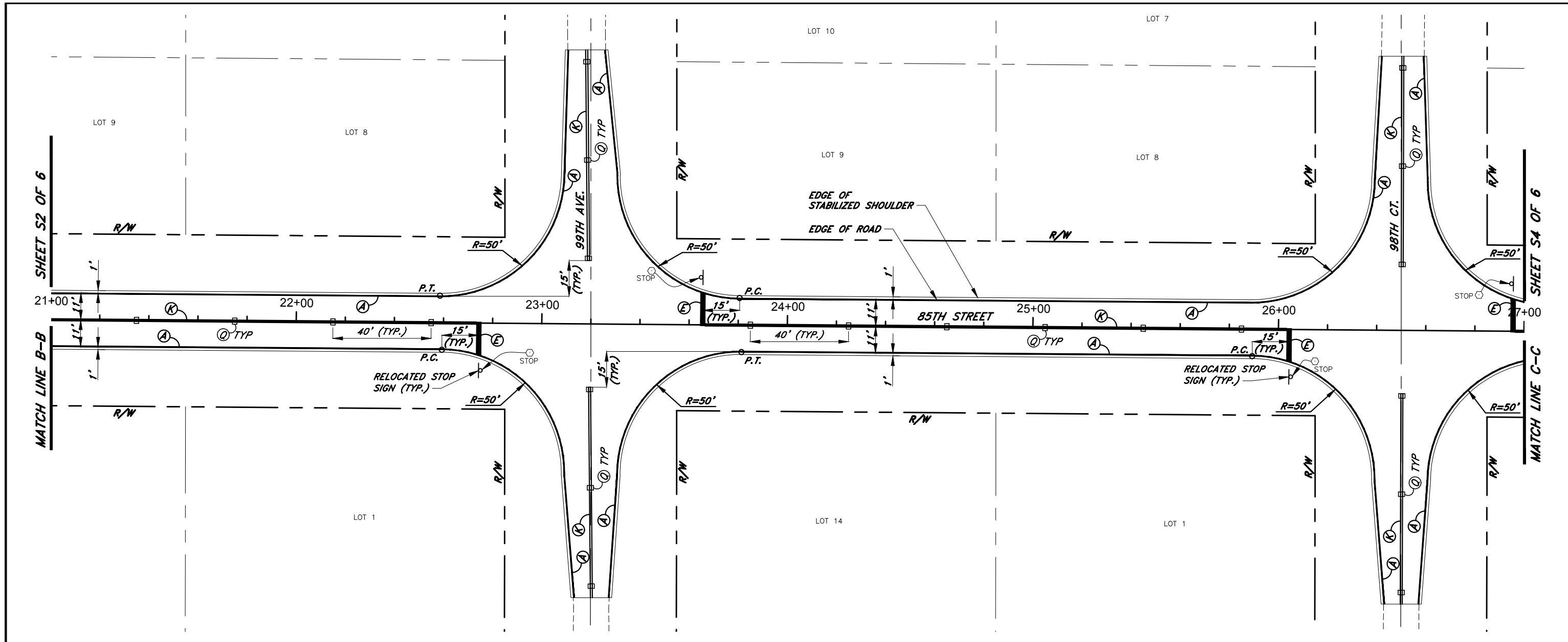
NOTES:

1. SIGNS AND PAVEMENT MARKINGS ARE TO CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE INDIAN RIVER COUNTY TYPICAL DRAWINGS FOR ROADWAY SIGNING, STRIPING AND GEOMETRICS.
2. ALL PAVEMENT MARKINGS ARE TO CONSIST OF 90 MIL EXTRUDED THERMOPLASTIC.
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6. ALL SIGN POSTS SHALL BE 1-3/4"x1-3/4" 12 GAUGE GALVANIZED SQUARE TUBING WITH OPEN HOLES AND ALL ANCHOR BASES SHALL BE 2"x2" 12 GAUGE GALVANIZED SQUARE TUBING WITH OPEN HOLES.



No.	Revision	Date	By	INDIAN RIVER COUNTY	DESIGNED BY: W. JOHNSON, P.E.	SECTION 27,28,33,34	DATE: 4/3/19
	ADD SIGNING & PAVEMENT MARKING SHEETS	4/4/19	KPH	1801 27th STREET VERO BEACH, FL 32960 (772) 567-8000	 Department of Public Works Engineering Division	TOWNSHIP 31S	COUNTY PROJECT NO.
						DRAWN BY: K. P. HANSEN	RANGE 38E
					APPROVED BY: W. JOHNSON, P.E.	FIELD BOOK NO. BLANCHARD #127, 31-55	

VERO LAKE ESTATES 85th STREET MILLINGS
SIGNING & PAVEMENT MARKINGS



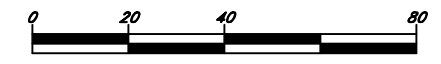
ADDENDUM NO. 1

STRIPING KEY

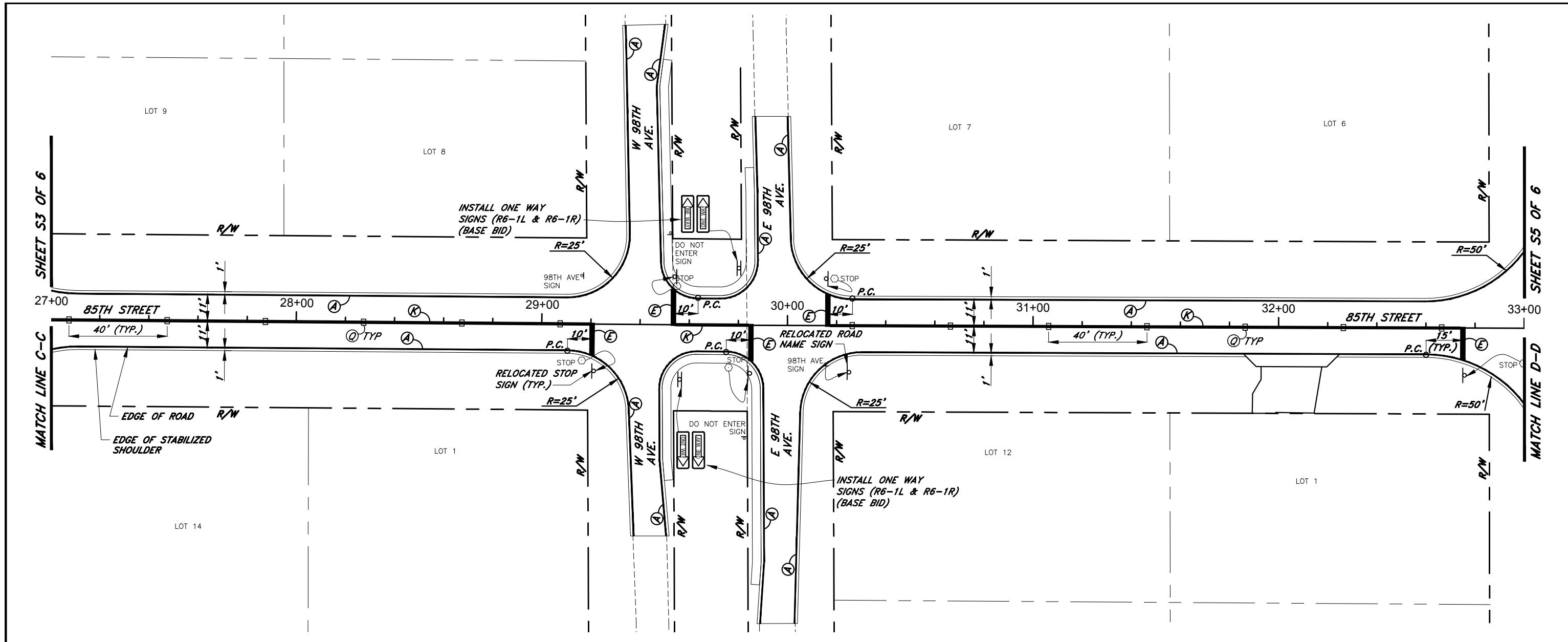
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- H = 6" SKIP WHITE TYP. (2'-4')
- I = 6" SOLID YELLOW
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NOTES:

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	ADD SIGNING & PAVEMENT MARKING SHEETS	4/4/19	KPH			APPROVED BY: W. JOHNSON, P.E.	RANGE 38E		FIELD BOOK NO. BLANCHARD #127, 31-55				



ADDENDUM NO. 1

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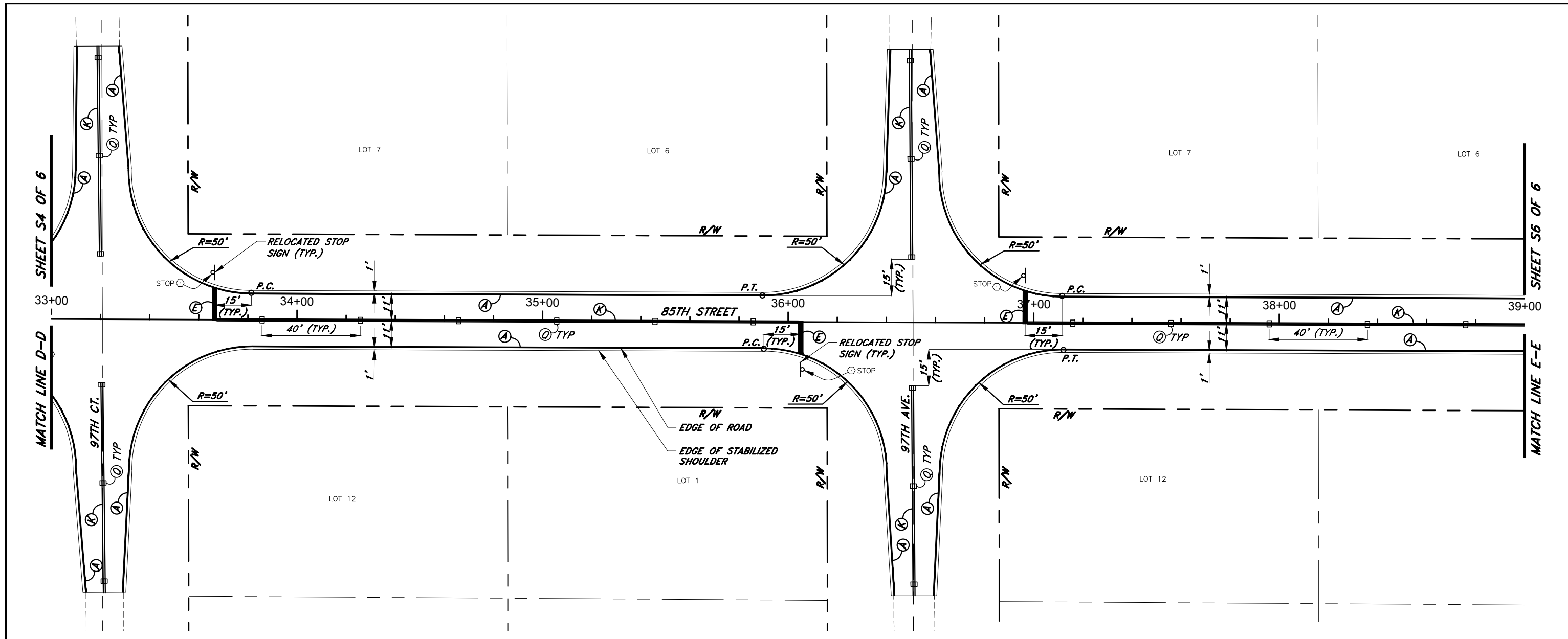
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	ADD SIGNING & PAVEMENT MARKING SHEETS	4/4/19	KPH			DRAWN BY: <i>K. P. HANSEN</i>				
						APPROVED BY: <i>W. JOHNSON, P.E.</i>				



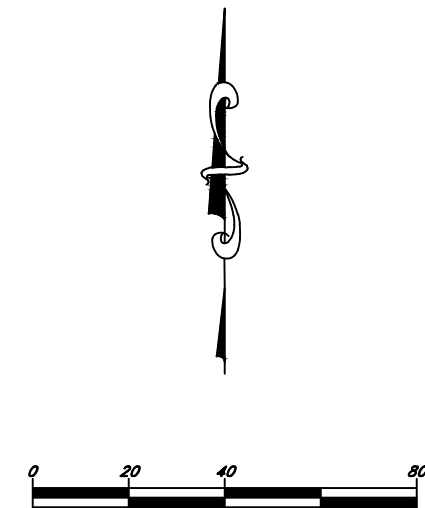
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STRIPING KEY

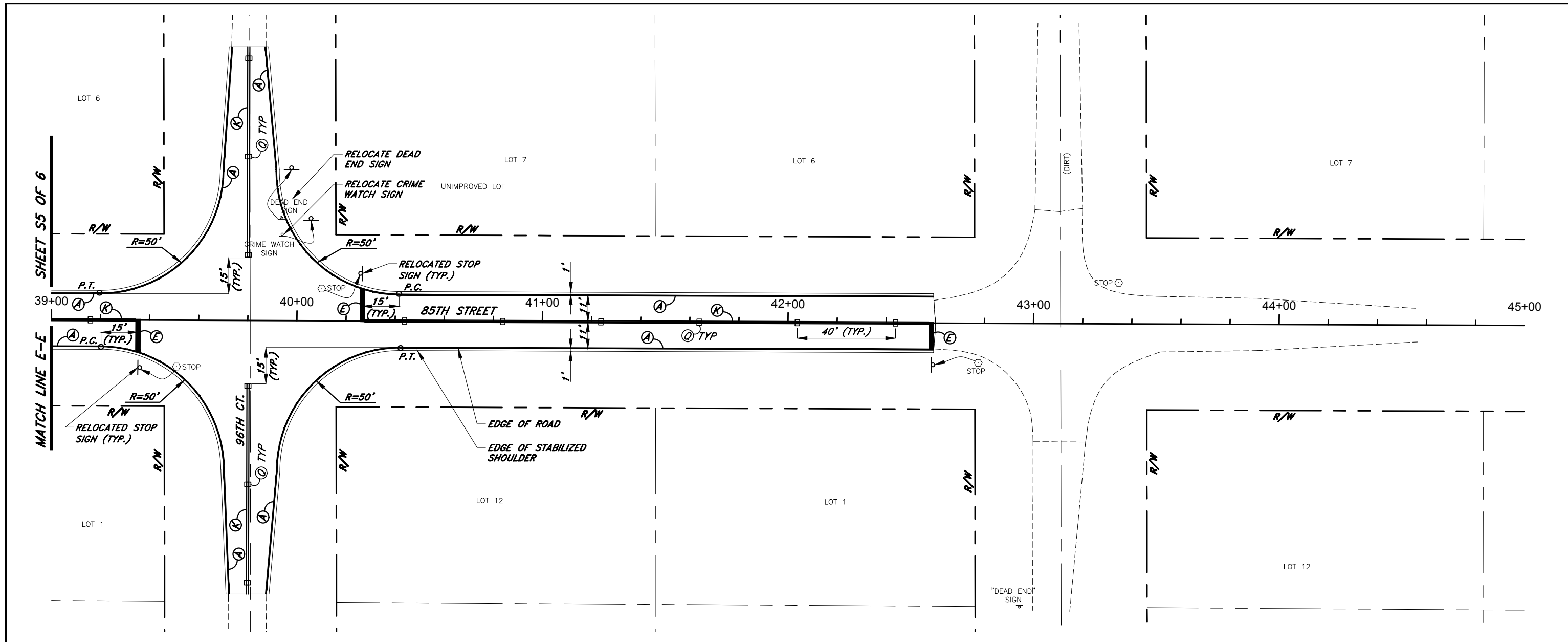
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	ADD SIGNING & PAVEMENT MARKING SHEETS	4/4/19	KPH			DRAWN BY: K. P. HANSEN				
						APPROVED BY: W. JOHNSON, P.E.				



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