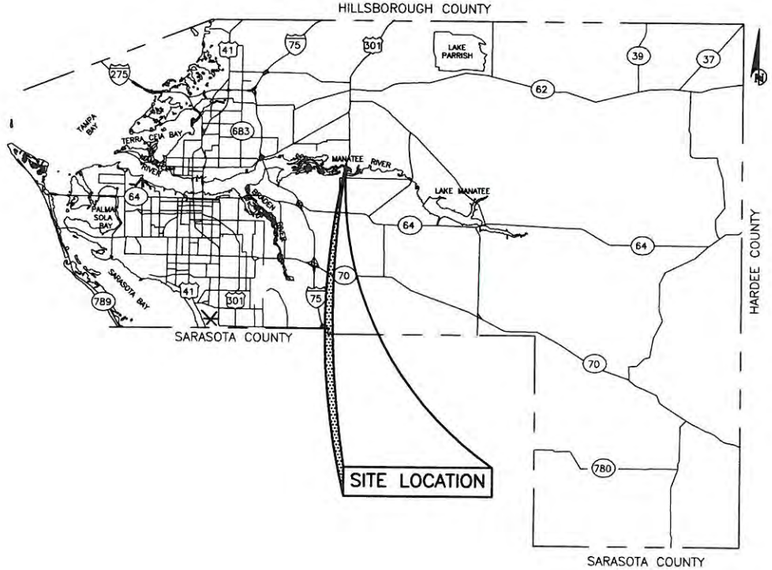
MANATEE COUNTY, FL
FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
323-6054764

SEPTEMBER 2014

VICINITY MAP
N.T.S.

PROJECT SITE



PROJECT DESCRIPTION

PROJECT CONSISTS OF WIDENING THE EXISTING ROAD FROM 22' TO 24' WITH 8' SHOULDERS, RELOCATING EXISTING ROADSIDE DITCHES, AND ADDING A SIDEWALK ON THE WEST SIDE OF THE ROAD

INTERCONNECT PLANS

BID SET

NO.	INDEX OF SHEETS
IC-1	COVER SHEET
IC-2	GENERAL NOTES & LEGEND
IC-3	PAY ITEM NOTES
IC-4	TABULATION OF QUANTITIES
IC-5 – 1C-16	INTERCONNECT PLANS
IC-17	SPLICE DIAGRAM

Know what's below
Call before you dig

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

MANATEE COUNTY, FL
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT COVER SHEET

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	323-6054764
SURVEY #	---
SEC./TWN./RGE	7/35S/18E
SCALE	N.T.S.

	BY	DATE
SURVEYED		
DESIGNED	PJV	09/18/14
DRAWN	KR	09/18/14
CHECKED	PJV	09/18/14

PAUL J. VILLALUZ, P.E., PTOE
FLORIDA P.E. # 76246
STATE OF FLORIDA PROFESSIONAL ENGINEER
11-4-14
Signature & Date

SHEET IC-1

GENERAL NOTES

1. AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MANATEE COUNTY TRAFFIC DESIGN DIVISION:

   MR. PAUL VILLALUZ, P.E., PTOE
   MANATEE COUNTY PUBLIC WORKS DEPARTMENT
   TRAFFIC DESIGN DIVISION
   2101 47TH TERRACE EAST
   BRADENTON, FL 34203
   (941) 749-3500, EXT. 7859

2. THE CONTRACTOR MUST NOTIFY THE TRAFFIC ENGINEERING DIVISION AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO SCHEDULE THE FINAL INSPECTION. WHEN CONSTRUCTION IS COMPLETE, PROVIDE THREE (3) HARD-COPY SETS OF "AS BUILT" PLANS AND ONE COMPACT DISK OF RECORD DRAWINGS IN ADOBE ACROBAT (.PDF) AND AUTOCAD (.DWG) FORMAT TO:

   MR. VISHAL S. KAKKAD, P.E., PTOE
   MANATEE COUNTY PUBLIC WORKS DEPARTMENT
   TRAFFIC DESIGN DIVISION
   2101 47TH TERRACE EAST
   BRADENTON, FL 34203
   (941) 749-3500, EXT. 7812

   THE RECORD DRAWINGS MUST BE RECEIVED 48 HOURS PRIOR TO SCHEDULING THE FINAL INSPECTION.

3. MAINTAINING AGENCY: MANATEE COUNTY TRAFFIC OPERATIONS DIVISION 2904 12TH STREET COURT EAST BRADENTON, FLORIDA 34208

4. WHEN FDOT AND MANATEE COUNTY SPECIFICATIONS DIFFER, THE MORE STRINGENT SPECIFICATION WILL TAKE PRECEDENCE. MANATEE COUNTY TRAFFIC SPECIFICATIONS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE PROJECT MANAGEMENT DIVISION.

5. THE CONTRACTOR, IN COMMUNICATION WITH THE ENGINEER, SHALL COORDINATE UTILITY RELOCATION IF NECESSARY.

6. IN THE EVENT THAT R/W OR IRRESOLVABLE UTILITY CONFLICTS PROHIBIT ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) INFRASTRUCTURE PLACEMENT (i.e., CONDUIT, PULL/SPLICE BOXES, CAMERA POLES, etc.) ACCORDING TO THE PLANS, THE CONTRACTOR SHALL CONTACT THE TRAFFIC OPERATIONS ENGINEER AND THE ENGINEER OF RECORD (EOR) TO OBTAIN A DESIGN VARIATION.

7. THE LOCATION OF UTILITIES SHOWN ON THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL UTILITIES.

8. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.

9. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (1-800-432-4770) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

10. THE CONTRACTOR SHALL HAND DIG THE FIRST 48 INCHES (4 FEET) OF THE HOLE FOR THE POLE FOUNDATION OR CONDUIT RUN WHERE UTILITIES ARE IN CLOSE PROXIMITY.

11. IT SHOULD BE NOTED THAT TEST BORINGS WERE NOT MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED.

12. SUBMIT STRUCTURAL AND SHOP DRAWINGS OF ALL EQUIPMENT TO MANATEE COUNTY FOR REVIEW AND APPROVAL PRIOR TO ORDERING EQUIPMENT:

    MR. KENT D. BONTRAGER, P.E. PROJECT MANAGER
    MANATEE COUNTY PUBLIC WORKS DEPARTMENT
    PROJECT MANAGEMENT DIVISION
    1022 26TH AVENUE EAST BRADENTON, FL 34208-3916
    (941) 708-7450, EXT. 7331

13. UPON PASSING THE FINAL INSPECTION, THE CONTRACTOR SHALL SEND A WRITTEN REQUEST TO MANATEE COUNTY REQUESTING TRANSFER OF MAINTENANCE FROM THE CONTRACTOR TO MANATEE COUNTY. MANATEE COUNTY WILL RESPOND WITHIN 5 WORKING DAYS TO ESTABLISH A TIME TABLE FOR THE TRANSFER OF MAINTENANCE RESPONSIBILITY.

    MR. AARON BURKETT
    MANATEE COUNTY PUBLIC WORKS DEPARTMENT
    TRAFFIC OPERATIONS DIVISION
    2904 12TH STREET COURT EAST BRADENTON, FL 34208
    (941) 708-7450, EXT. 7509

14. ANY DAMAGE TO TRAFFIC SIGNAL EQUIPMENT OR ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) INFRASTRUCTURE THAT IS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE TRAFFIC OPERATIONS DIVISION. PAYMENT SHALL NOT BE MADE FOR THIS WORK.

CONDUIT LEGEND

LV = SIGNAL LOW VOLTAGE
HV = SIGNAL HIGH VOLTAGE
SP = SPARE CONDUIT
FO = FIBER OPTIC CONDUIT

LEGEND

- ATMS — ATMS — PROPOSED CONDUIT (OPEN TRENCH)
- ATMS — ATMS — PROPOSED CONDUIT (DIRECTIONAL BORE)
- PROPOSED FIBER OPTIC SPLICE BOX
- PROPOSED FIBER OPTIC PULL BOX
- GRASS SHOULDER

Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

MANATEE COUNTY, FL
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT GENERAL NOTES & LEGEND

NO.	REVISION DESCRIPTION	BY	DATE

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DESIGNED	CV	10/14
DRAWN	SR	10/14
CHECKED	VKS	10/14

PAUL J. VILLALUZ, P.E., PTOE
FLORIDA P.E. # 76246
11-4-14
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature Date

S:\PWD_Engineering_Share\Highway_Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\FH ATMS COVERANDNOTES.dwg,DFN NOTES (C-2, 11/4/2014 10:25 AM Karla Ripley, 1:1, 11x17

PAY ITEM NOTES

1. 630-2-11:
CONDUIT SHALL BE INSTALLED PER FDOT STANDARD INDEX NO. 17721. USE 2'' HDPE SDR 11 CONDUIT FOR FUTURE FIBER OPTIC INTERCONNECT CABLE. USE A MINIMUM 2'' DIAMETER SCHEDULE 40 PVC CONDUIT FOR ALL SIGNAL AND DETECTION FUNCTIONS. INSTALL CONDUIT UNDER PROPOSED ROADWAY AND/OR SIDEWALK PRIOR TO INSTALLATION OF ROADWAY BASE AND SURFACE OR CONCRETE. MEASUREMENT IS FOR STRAIGHT LINE HORIZONTAL DISTANCE BETWEEN CENTERS OF PULL BOXES, CABINETS. POLES, ETC. IN LINEAR FEET REGARDLESS OF THE LENGTH OR NUMBER OF CONDUITS INSTALLED. NO ADDITIONAL PAYMENT WILL BE MADE FOR MULTIPLE RUNS OF CONDUIT WITHIN A TRENCH. MULTIPLE RUNS ARE LABELED ON THE PLANS.

#14 XHHW PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS. AT LEAST 2 FEET OF PULL WIRE SHALL BE ACCESSIBLE.

ALL FIBER OPTIC CABLE CONDUIT INSTALLED BY TRENCHING METHOD SHALL HAVE WARNING TAPE INSTALLED IN THE TRENCHLINE ONE FOOT BELOW FINISH GRADE DIRECTLY OVER ANY INSTALLED CABLE AND CONDUIT RUN. THE WARNING TAPE SHALL COMPLY WITH SECTION 630-2.4 OF THE FDOT STANDARD SPECIFICATIONS. COLOR SHALL BE ORANGE AS REQUIRED BY AMERICAN PUBLIC WORKS ASSOCIATION (APWA) UNIFORM COLOR CODE, AND HAVE CAUTION: FIBER OPTIC CABLE BURIED BELOW PERMANENTLY PRINTED ON THE TAPE'S SURFACE.

THIS PAY ITEM INCLUDES A LOCATE WIRE SYSTEM. THE LOCATE WIRE SYSTEM INCLUDES LOCATE WIRE. WIRE GROUNDING UNITS (WGU), GROUND RODS, AND ALL MISCELLANEOUS ITEMS NEEDED FOR A COMPLETE AND ACCEPTED LOCATE SYSTEM.

2. 630-2-12:
SECTION 630-5 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DEFINES THE FOLLOWING: PAYMENT FOR CONDUIT PLACED UNDER EXISTING PAVEMENT (ROADWAY, DRIVEWAYS, OR SIDEWALK) WILL BE MADE AS DIRECTIONAL BORE. IF CONDUIT IS BEING PLACED UNDER BOTH EXISTING TURF AND EXISTING PAVEMENT BETWEEN TWO PULL BOXES, PAYMENT FOR THE TOTAL PULL BOX-TO-PULL BOX LENGTH WILL BE MADE AS DIRECTIONAL BORE. THESE PLANS ARE DEVELOPED PER THIS LANGUAGE. THE CONTRACTOR MAY INSTALL CONDUIT USING THE OPEN TRENCH METHOD AT THEIR DISCRETION WITH THE EXCEPTION OF UNDER PAVEMENT AND/OR SIDEWALK INSTALLATIONS.

#14 XHHW PULL WIRE SHALL BE INSTALLED IN ALL CONDUITS AT LEAST 2 FEET OF PULL WIRE SHALL BE ACCESSIBLE.

USE 2" HDPE SDR 11 CONDUIT FOR FUTURE FIBER OPTIC INTERCONNECT CABLE. USE A MINIMUM 2" DIAMETER HDP SDR 11 FOR ALL SIGNAL, PEDESTRIAN, AND DETECTION FUNCTIONS. MEASUREMENT IS FOR STRAIGHT LINE HORIZONTAL DISTANCE BETWEEN CENTERS OF PULL BOXES, CABINETS, POLES, ETC. IN LINEAR FEET REGARDLESS OF THE LENGTH OR NUMBER OF CONDUITS INSTALLED. NO ADDITIONAL PAYMENT WILL BE MADE FOR MULTIPLE RUNS OF CONDUIT WITHIN A BORE. MULTIPLE RUNS ARE LABELED ON THE PLANS.

THIS PAY ITEM INCLUDES A LOCATE WIRE SYSTEM. THE LOCATE WIRE SYSTEM INCLUDES LOCATE WIRE, WIRE GROUNDING UNITS (WGU), GROUND ROADS AND ALL MISCELLANEOUS ITEMS NEEDED FOR A COMPLETE AND ACCEPTED LOCATE SYSTEM.

3. 633-1-122:
THE PROPOSED FIBER OPTIC CABLE SHALL BE 48 FIBER SINGLE MODE.

4. 635-2-11, 634-2-12, 635-2-13
USE POLYMER CONCRETE CONSTRUCTION PULL BOXES WITH POLYMER CONCRETE COVER. PULL BOXES SHALL BE INSTALLED PER FDOT STANDARD INDEX NO. 17700. PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER. PULL BOXES SHALL BE PLACED A MINIMUM OF 7 FEET FROM EDGE OF PAVEMENT. IF IN OR ADJACENT TO SIDEWALK, PULL BOXES SHALL BE FLUSH WITH SIDEWALKS OR OTHER CONCRETE, OTHERWISE 1.5 INCHES ABOVE EXISTING GRADE. THE TOP OF THE LID SHALL HAVE THE FOLLOWING IDENTIFICATION PERMANENTLY CAST INTO THEIR TOP SURFACE IN STAMPED RAISED LETTERS. ACCORDING TO THE APPLICATION FOR WHICH IT IS TO BE USED:
"MANATEE COUNTY TRAFFIC SIGNAL" FOR SIGNALIZED INTERSECTION APPLICATIONS;
"MANATEE COUNTY FIBEROPTIC SYSTEM" FOR FIBER OPTIC CABLE ITS APPLICATIONS;
"TRAFFIC MONITORING" FOR TRAFFIC MONITORING APPLICATIONS.
APPROPRIATELY SIZE EACH PULL BOX SO THE FIBER COMMUNICATION AND/OR INTERCONNECT CABLE DOES NOT EXCEED MANUFACTURER'S RECOMMENDED BENDING RADIUS. STANDARD PULL BOX DIMENSION SHALL BE 17"X30''X12". FIBER OPTIC PULL BOX DIMENSION SHALL BE 24"X36"X36''. FIBER OPTIC SPLICE BOX DIMENSIONS SHALL BE 30"X60"X48".

ALL FIBER OPTIC PULL BOXES SHALL BE MARKED WITH A 3½"X72" STANDARD OR ELECTRONIC ROUTE MARKER WITH ORANGE POLYDOME LABELED ''WARNING, BURIED FIBER OPTIC CABLE". THE INSTALLATION HEIGHT SHALL BE 4'-6" ABOVE GRADE TO TOP OF POST. ROUTE MARKERS SHALL BE INSTALLED AT ALL PULL BOX LOCATIONS ENTERED BY PROPOSED CONDUIT AS PART OF THE LOCATE SYSTEM. PULL BOX LOCATIONS DESIGNATED AS "ERM" SHALL HAVE AN ELECTRONIC ROUTE MARKER INSTALLED. STANDARD ROUTE MARKERS SHALL BE INSTALLED AT ALL OTHER FIBER OPTIC PULL BOX LOCATIONS. PAYMENT FOR ROUTE MARKERS ARE INCIDENTAL TO PAY ITEM 635-2-12.

5. 670-5-410:
THIS ITEM SHALL INCLUDE THE COST OF CABINET MODIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED CCTV SYSTEM AND CORE DRILLING OF THE EXISTING CONTROLLER FOUNDATION.

THE CONTRACTOR SHALL DETERMINE THE NUMBER OF CONDUITS NEEDED FOR THE PROPOSED CCTV SYSTEM UPGRADES AND CORE DRILL THE EXISTING BASE ACCORDINGLY.

6. 684-1-1:
THE FIELD MANAGED ETHERNET SWITCH SHALL BE RUGGEDCOM MODEL NUMBER RS900-HI-D-C2-C2-00. THE SWITCH SHALL BE FURNISHED WITH ALL NECESSARY SYSTEM COMPONENTS FOR INTEGRATION INTO THE MANATEE COUNTY ETHERNET-BASED FIBER OPTIC NETWORK.

7. 685-106
THE UNINTERRUPTED POWER SUPPLY (UPS) SHALL BE THE ALPHA FXM 1100. THE UPS SHALL SUPPORT SNMP (PROTOCOL) FOR REMOTE MONITORING AND MANAGEMENT WITH MANATEE COUNTY'S CURRENT ATMS NETWORK. PROVIDE AND CONNECT ALL WIRING, CABLING, INTERFACES, ETC. FOR INTEGRATION INTO THE NETWORK. THE UPS SHALL BE CAPABLE OF AN 8 HOUR RUN TIME AT 450 WATTS. THE UPS SHALL HAVE A NOMINAL OPERATING RANGE OF 850W TO 110W WITH A STANDARD RS232 ETHERNET PORT. ATTACH UPS UNIT TO THE OUTSIDE OF THE CONTROLLER CABINET AND INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

MANATEE COUNTY, FL
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PAY ITEM NOTES

NO.	REVISION DESCRIPTION	BY	DATE

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SURVEY #	---
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SCALE	N.T.S.

	BY	DATE
SURVEYED	---	---
DESIGNED	VHL	09/2014
DRAWN	MG	09/18/14
CHECKED	MG	09/19/14

PAUL V. HAMILTON, P.E., PTOE
FLORIDA P.E. # 76246
STATE OF FLORIDA
Signature & Date 11-4-14
PROFESSIONAL ENGINEER

SHEET NO.

S:\PWD_Engineering_Share\Highway_Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\TH ATMS COVERANDNOTES.dwg,PAY ITEM NOTES 1C--3, 11/4/2014 10:25 AM Kayla Rigby, 1:1, 11x17

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																						TOTAL THIS SHEET		GRAND TOTAL	
			IC-5		IC-6		IC-7		IC-8		IC-9		IC-10		IC-11		IC-12		IC-13		IC-14		IC-15		IC-16					
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF	940		1120		1010		1020		1050		1120		1060		1120		1110		1020		1120		1120		12810			
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF	0		0		180		170		50		0		160		0		50		110		0		0		720			
633-1-121	ITS FIBER OPTIC CABLE (F&I), SM, 12 FIBER	LF	0		0		0		0		0		0		20		0		0		0		0		0		20			
633-1-122	ITS FIBER OPTIC CABLE (F&I), SM, 48 FIBER	LF	990		1270		1430		1340		1300		1220		1270		1220		1360		1280		1270		1270		15220			
633-2-31	FIBER OPTIC CONNECTION, INSTALL SPLICE	EA	48		0		0		0		0		0		4		0		0		0		0		48		100			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, (F&I), SPLICE ENCLOSURE	EA	0		0		1		0		1		0		1		0		1		0		1		1		6			
633-3-12	FIBER OPTIC CONNECTION HARDWARE, (F&I), SPLICE TRAY	EA	4		0		1		0		1		0		1		0		1		0		1		4		13			
633-3-15	FIBER OPTIC CONNECTION HARDWARE, (F&I), PRETERM PATCH PANEL	EA	0		0		0		0		0		0		1		0		0		0		0		0		1			
635-2-12	PULL AND SPLICE BOX (F&I) (24"X36")	EA	1		3		4		3		3		2		2		2		3		3		2		3		31			
635-2-13	PULL AND SPLICE BOX (F&I) (30"X60"X48")	EA	0		0		1		0		1		0		1		0		1		0		1		0		5			
670-5-410	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	0		0		0		0		0		0		1		0		0		0		0		0		1			
684-1-11	MANAGED FIELD ETHERNET SWITCH	EA	0		0		0		0		0		0		1		0		0		0		0		0		1			
685-106	SYSTEM AUXILIARIES (F&I) (UPS)	EA	0		0		0		0		0		0		1		0		0		0		0		0		1			

PUBLIC WORKS DEPARTMENT
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MANATEE COUNTY, FL
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT TABULATION OF QUANTITIES

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SCALE	N.T.S.	
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SURVEYED	---	---
DESIGNED	PAV	09/18/14
DRAWN	MG	09/18/14
CHECKED	MG	09/18/14

PAUL J. VILLALOZ, P.E., PTOE
FLORIDA P.E. # 76246
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 76246
11-4-14
Signature Date

SHEET NO. 4

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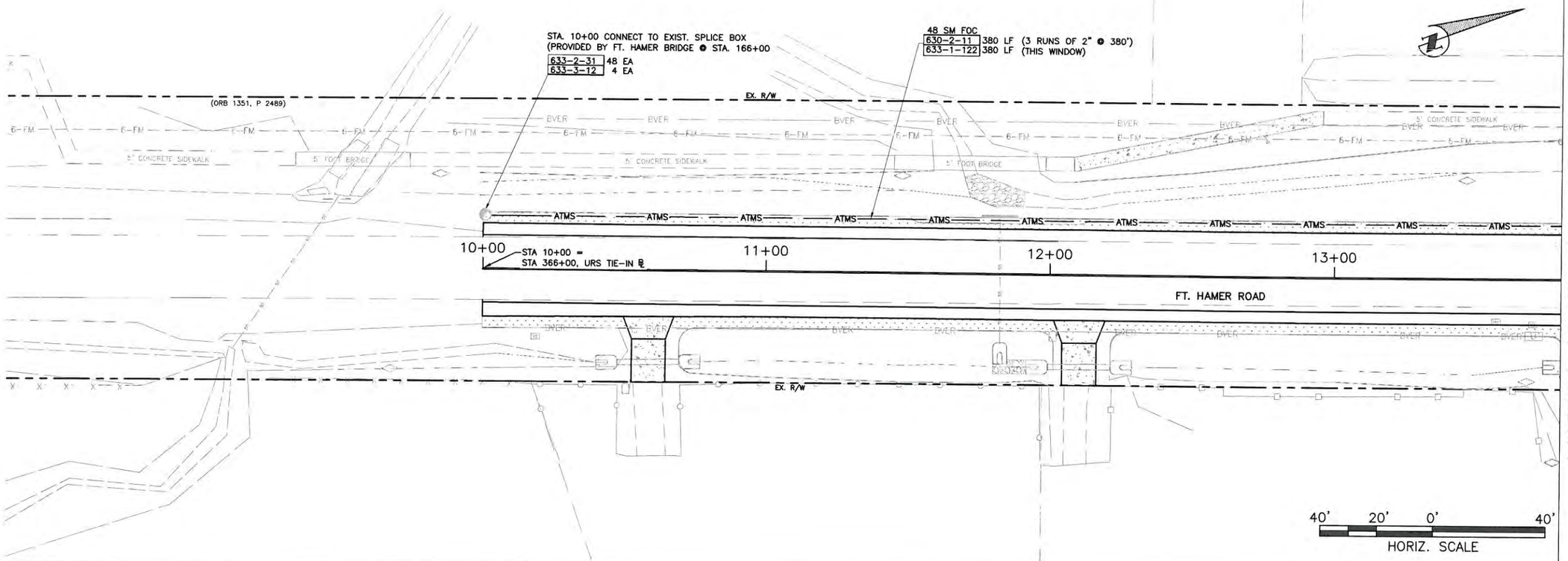

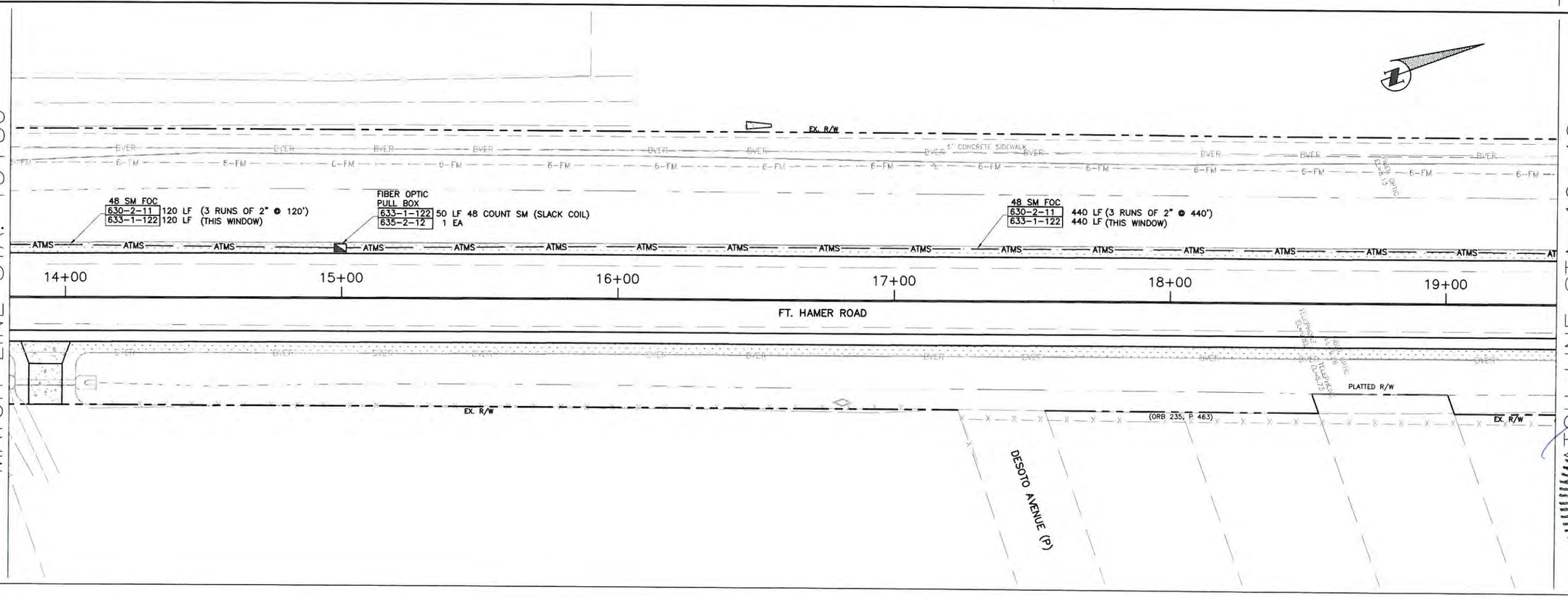

Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
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SURVEY #	5303
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SCALE	AS NOTED

	BY	DATE
SURVEYED		
DESIGNED	PV	09/11/14
DRAWN	KR	09/11/14
CHECKED	PV	09/18/14

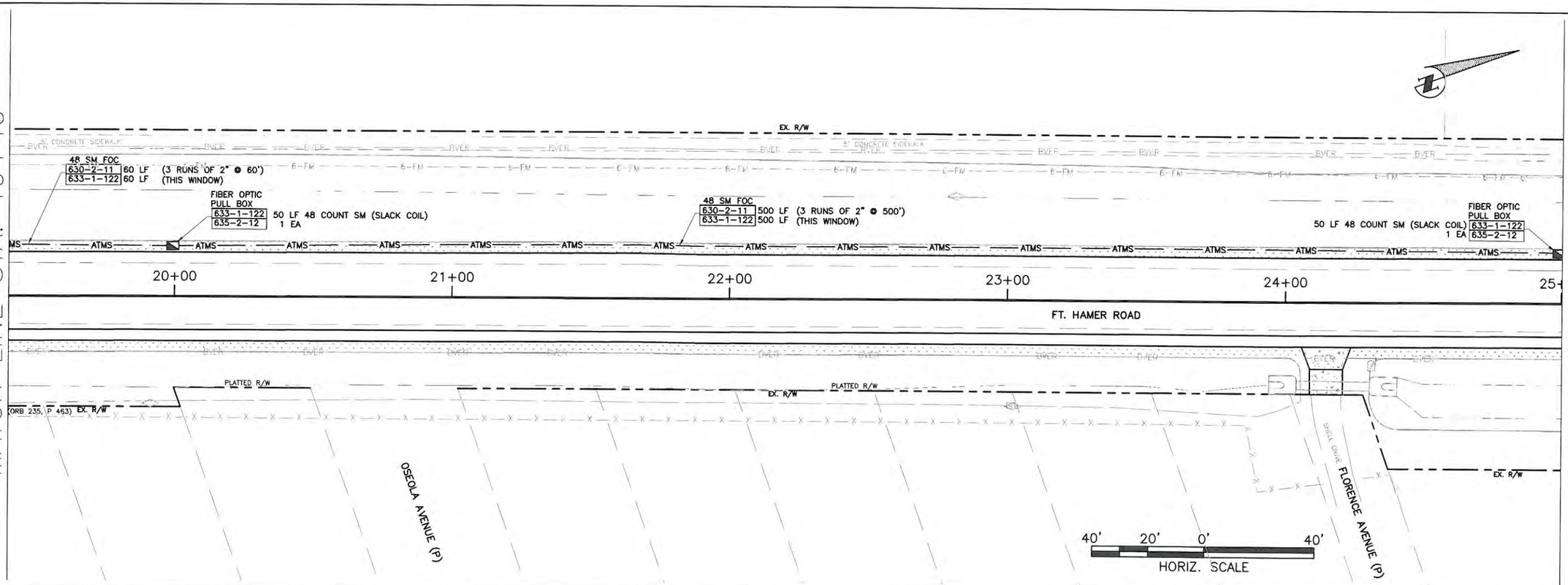
PAUL VAZQUEZ, P.E., PTOE
FLORIDA P.E. # 76246

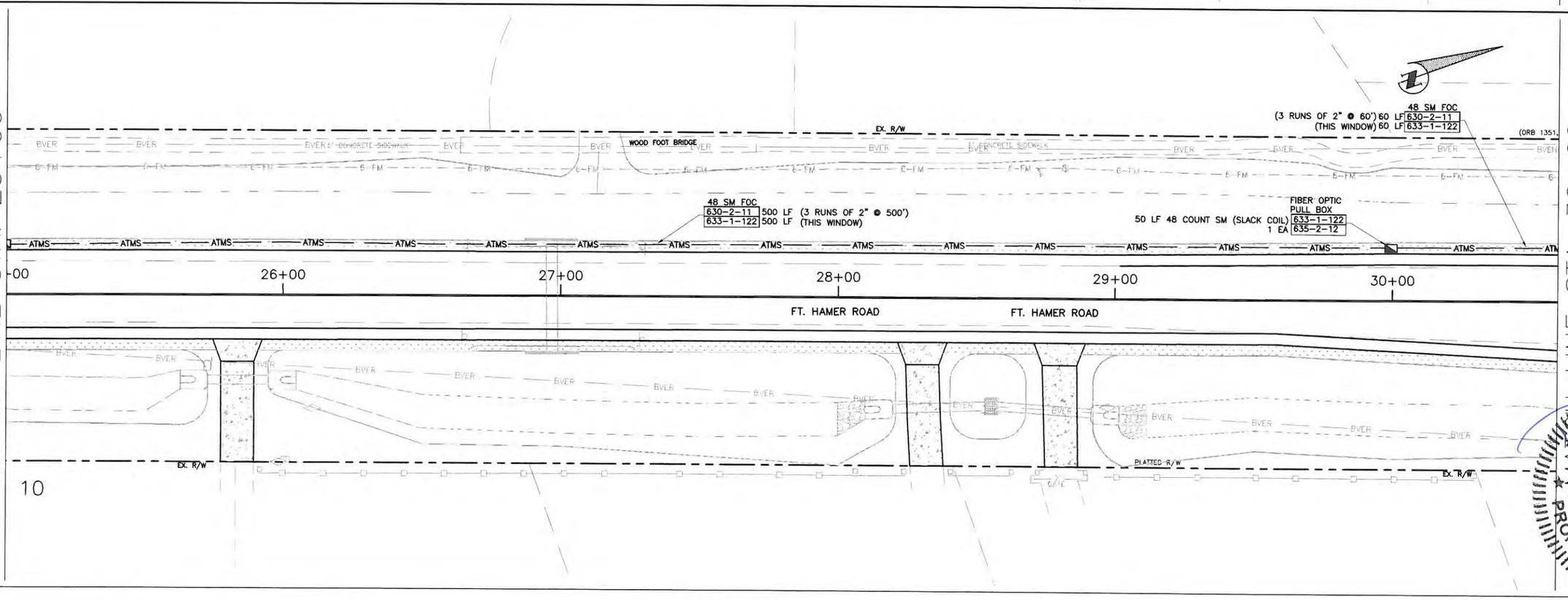
STATE OF FLORIDA PROFESSIONAL ENGINEER
PAUL VAZQUEZ P.E. No. 76246

Signature & Date

SHEET IC-5

S:\PWD_Engineering_Shared\Highway_Engineering\ROADS\Fort Homer Road\DWG\TRAFFIC PLANS\ATMS\FH ATMS PLANS.dwg,IC-5, 11/4/2014 10:35 AM, Karla Ripley, 1:1, 11x17





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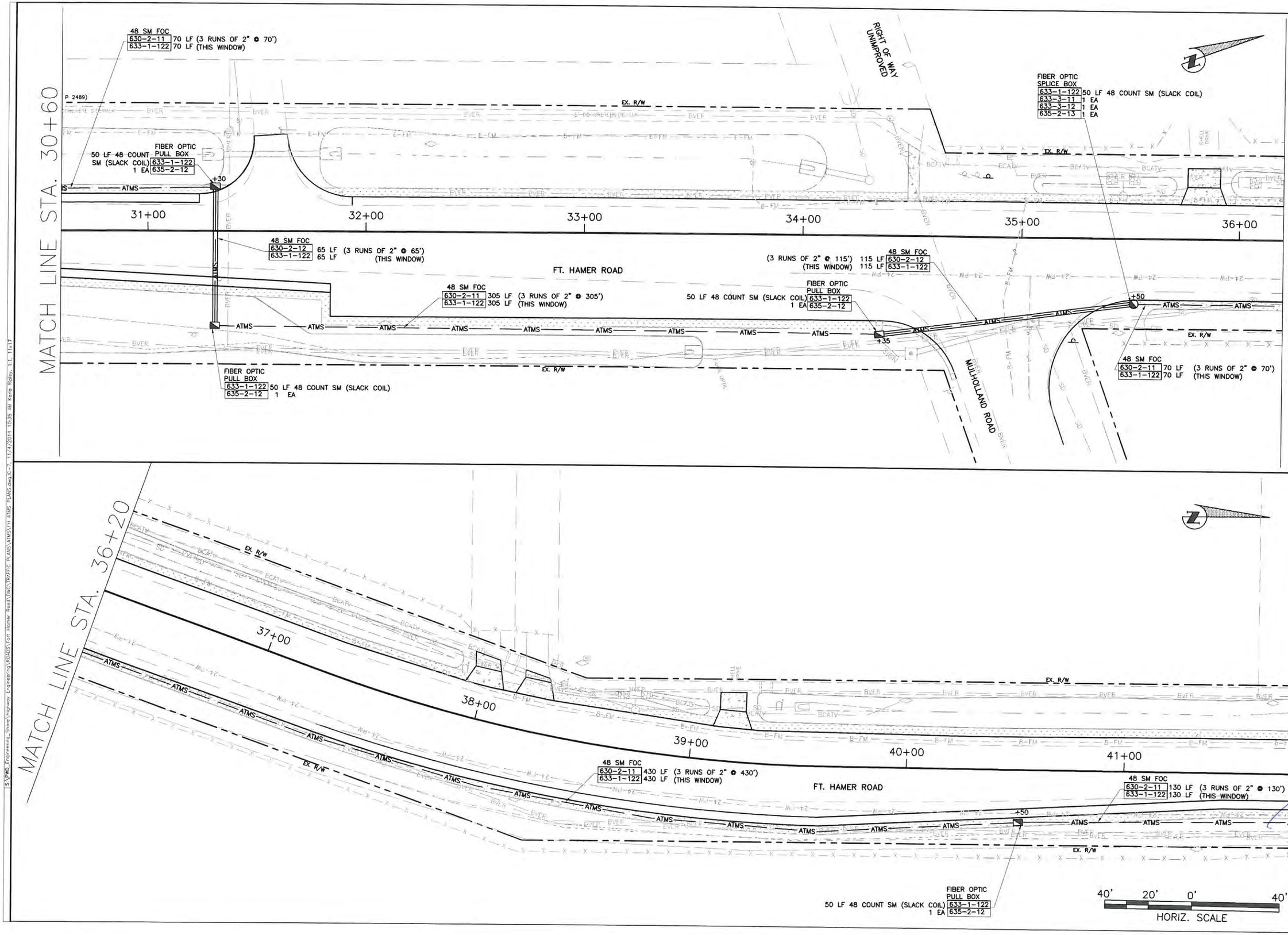
DRAWN	KR	09/11/14
CHECKED	PV	09/15/14

PAUL VILLALUZ, P.E., PTOE
FLORIDA P.E. # 76248

STATE OF FLORIDA PROFESSIONAL ENGINEER PAUL VILLALUZ LICENSE NO. 76248

Signature Date

SHEET IC-6



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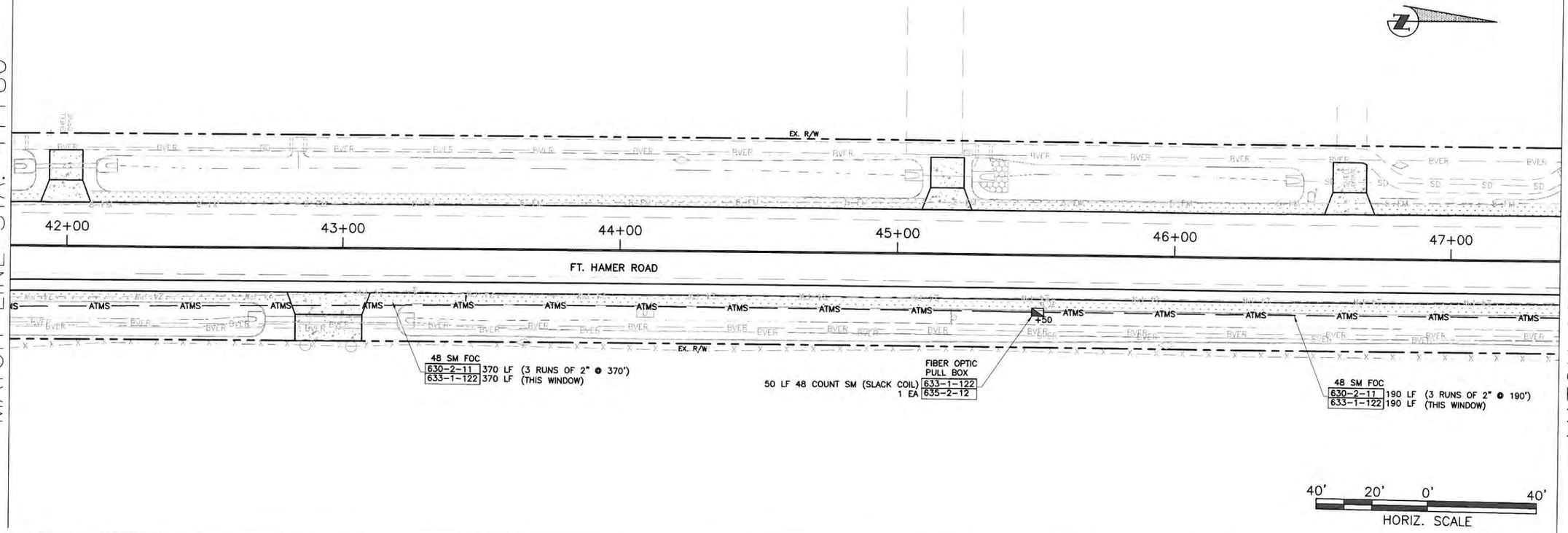
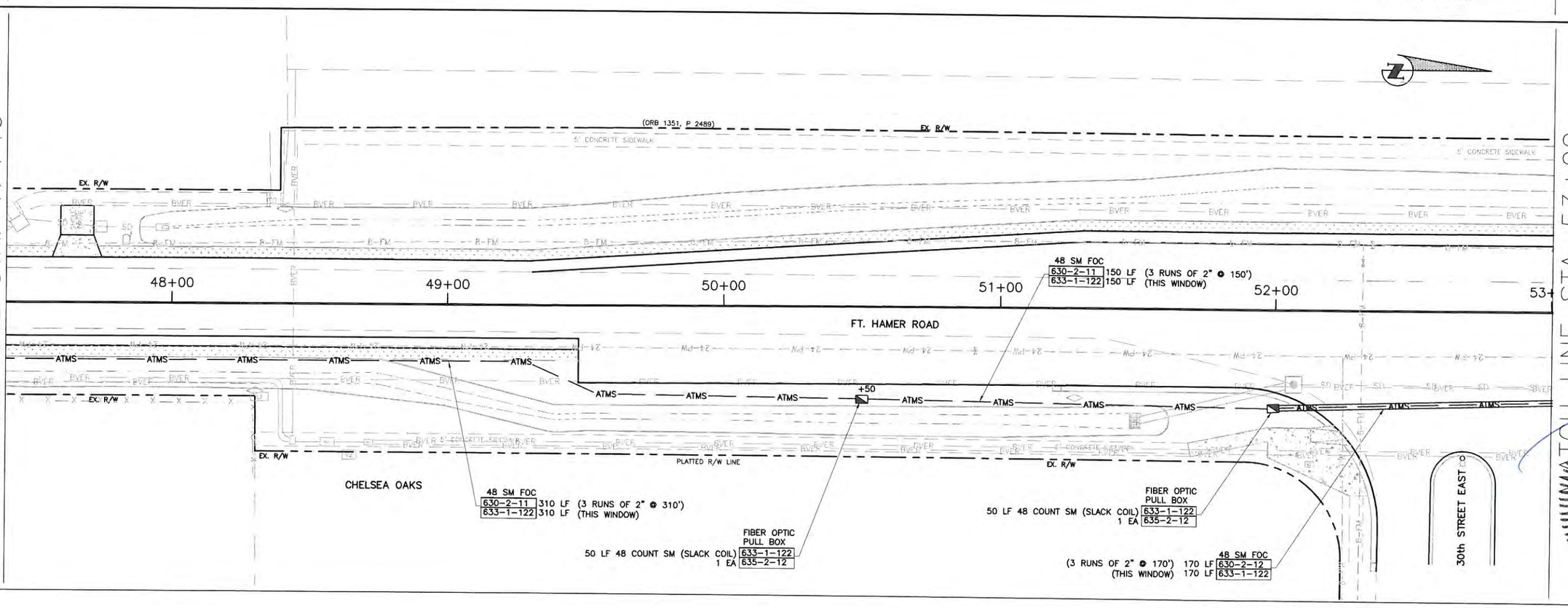
PAUL VILLALUZ, P.E., PTOE
FLORIDA P.E. # 76248
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date 11-4-14

SHEET IC-7

S:\PWD_Engineering_Share\Highway Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\FH ATMS PLANS.dwg,IC-7, 11/4/2014 10:35 AM Karla Rigsby, 1:1, 11x17





Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

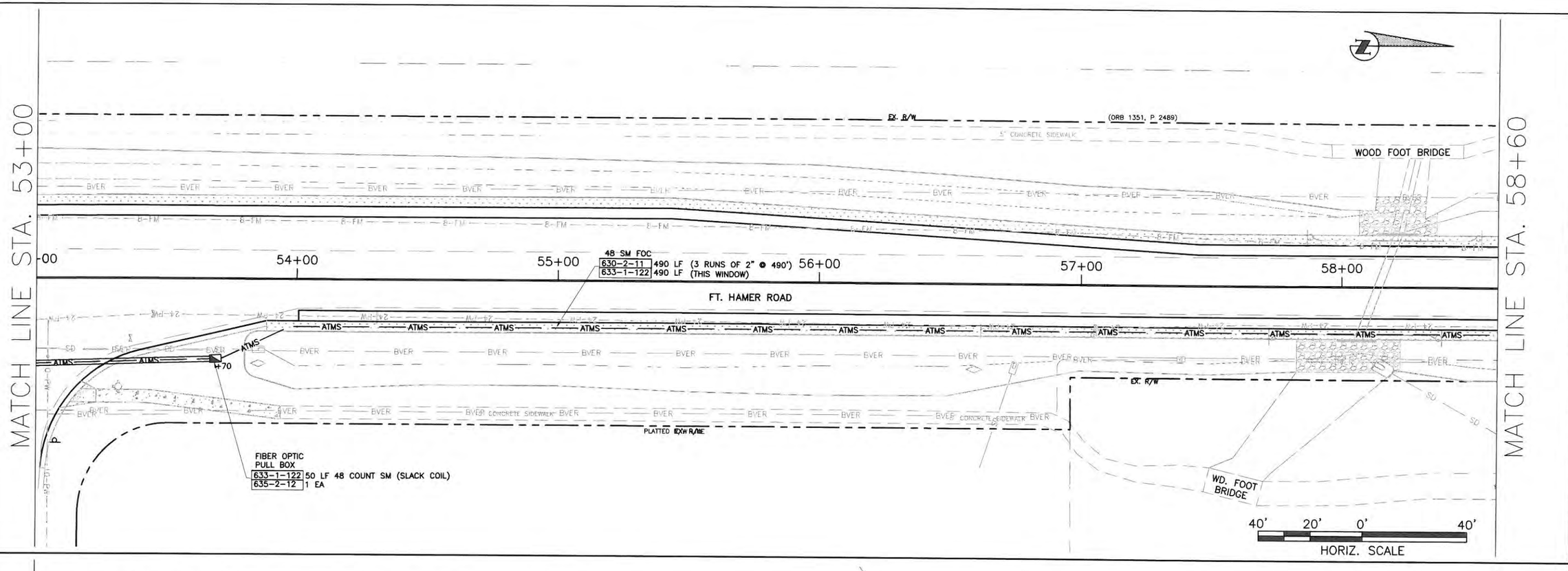
PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

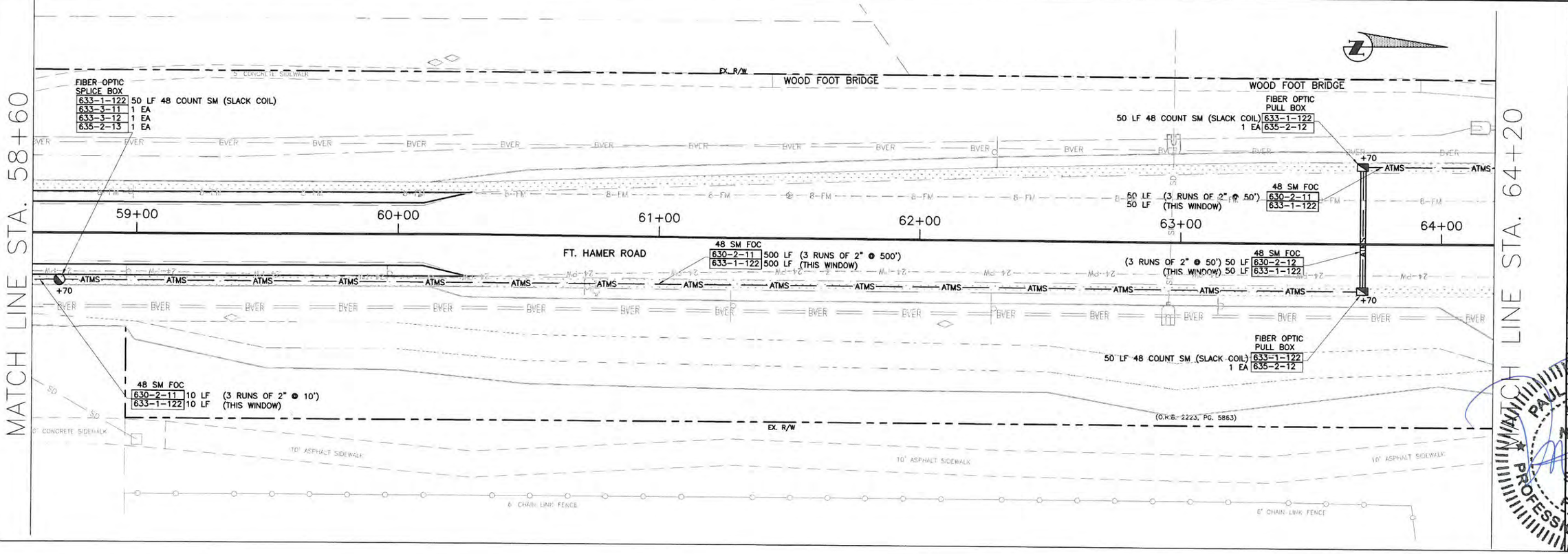
	BY	DATE
SURVEYED	JNS	
DESIGNED	PV	09/18/14
DRAWN	KR	09/18/14
CHECKED	PV	09/18/14

PAUL VILLALUZ, P.E., PTOE
FLORIDA P.E. # 76246
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date

SHEET IC-8

S:\PWD_Engineering_Share\Highway Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\TH ATMS PLANS.dwg,IC-8, 11/4/2014 10:35 AM Karla Ridley, 1:1, 11x17





Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

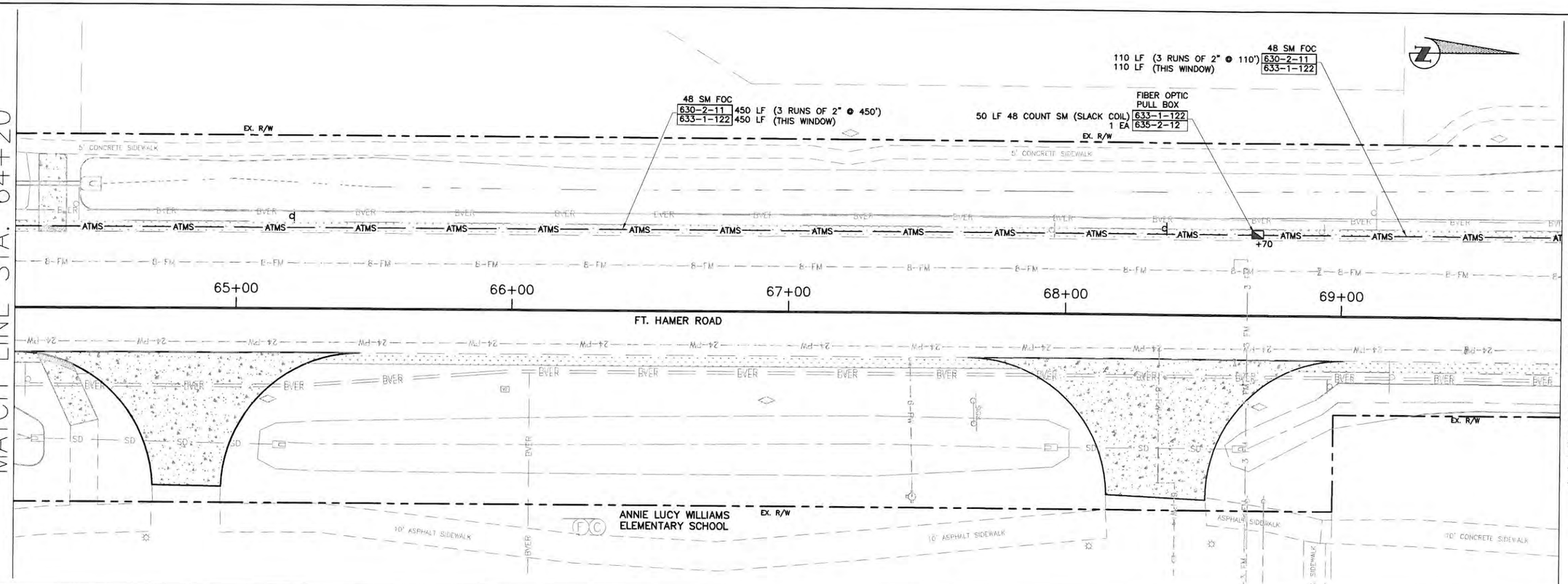
	BY	DATE
SURVEYED	JAK	-
DESIGNED	PV	09/11/14
DRAWN	KR	09/11/14
CHECKED	PV	09/19/14

PAUL VILLALOZ, P.E., PTOE
FLORIDA P.E. # 76246
Signature & Date

PAUL VILLALOZ LICENSE No. 76246 STATE OF FLORIDA PROFESSIONAL ENGINEER

SHEET IC-9

S:\PWD_Engineering_Shane\Highway_Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\TH_ATMS PLANS.dwg,IC-9, 11/7/2014 10:35 AM Kevin Ripley, 1:1, 1:1:17



Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #		323-6054764
SURVEY #		5303
SEC./TWN./RGE		7/35S/18E
SCALE		AS NOTED
	BY	DATE
DESIGNED	PV	09/11/14
DRAWN	KH	09/11/14
CHECKED	PV	09/11/14

PAUL VITALIANO, P.E., PTOE
FLORIDA P.E. # 76246

STATE OF FLORIDA PROFESSIONAL ENGINEER
Signature & Date 11-4-14

SHEET IC-10

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MATCH LINE STA. 75+40

MATCH LINE STA. 81+00

5' CONCRETE SIDEWALK

EX. R/W

ATMS — B-FM — BVER — SD — 24-Md — 24-Pw

76+00 77+00 78+00 79+00 80+00 81

48 SM FOC
630-2-11 330 LF (3 RUNS OF 2" ⌀ 330')
633-1-122 330 LF (THIS WINDOW)

+70

48 SM FOC
630-2-11 230 LF (3 RUNS OF 2" ⌀ 230')
633-1-122 230 LF (THIS WINDOW)

FT. HAMER ROAD

FIBER OPTIC PULL BOX
50 LF 48 COUNT SM (SLACK COIL) 633-1-122
1 EA 635-2-12

EX. R/W

PLATTED R/W LINE

MATCH LINE STA. 81+00

MATCH LINE STA. 86+60

TSB

EX. CONTROLLER CABINET
633-3-15 1 EA F.O. CONNECTION HARDWARE
684-1-1 1 EA MANAGED FIELD ETHERNET SWITCH
670-5-410 1 AS TRAFFIC CONTROLLER ASSEMBLY, MODIFY
633-1-121 20 LF 12 COUNT SM
685-106 1 EA SYSTEM AUXILIARIES (UPS)

OLD TAMPA ROAD

48 SM FOC
630-2-12 160 LF (3 RUNS OF 2" ⌀ 160')
633-1-122 160 LF (THIS WINDOW)

+50 +19

FIBER OPTIC SPLICE BOX
633-1-122 50 LF 48 COUNT SM (SLACK COIL)
633-3-11 1 EA
633-3-12 1 EA
635-2-13 1 EA
633-2-31 4 EA

FIBER OPTIC PULL BOX
633-1-122 50 LF 48 COUNT SM (SLACK COIL)
635-2-12 1 EA

48 SM FOC
630-2-11 350 LF (3 RUNS OF 2" ⌀ 350')
633-1-122 350 LF (THIS WINDOW)

+00 82+00 83+00 84+00 85+00 86+00

FT. HAMER ROAD

2' CONC. TRAFFIC SEPARATOR

4' CONC. TRAFFIC SEPARATOR

48 SM FOC
630-2-11 50 LF (3 RUNS OF 2" ⌀ 50')
633-1-122 50 LF (THIS WINDOW)

R/W

CROSSCREEK PARKWAY

CATV

EX. R/W

PLATTED R/W LINE

40' 20' 0' 40'
HORIZ. SCALE

Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

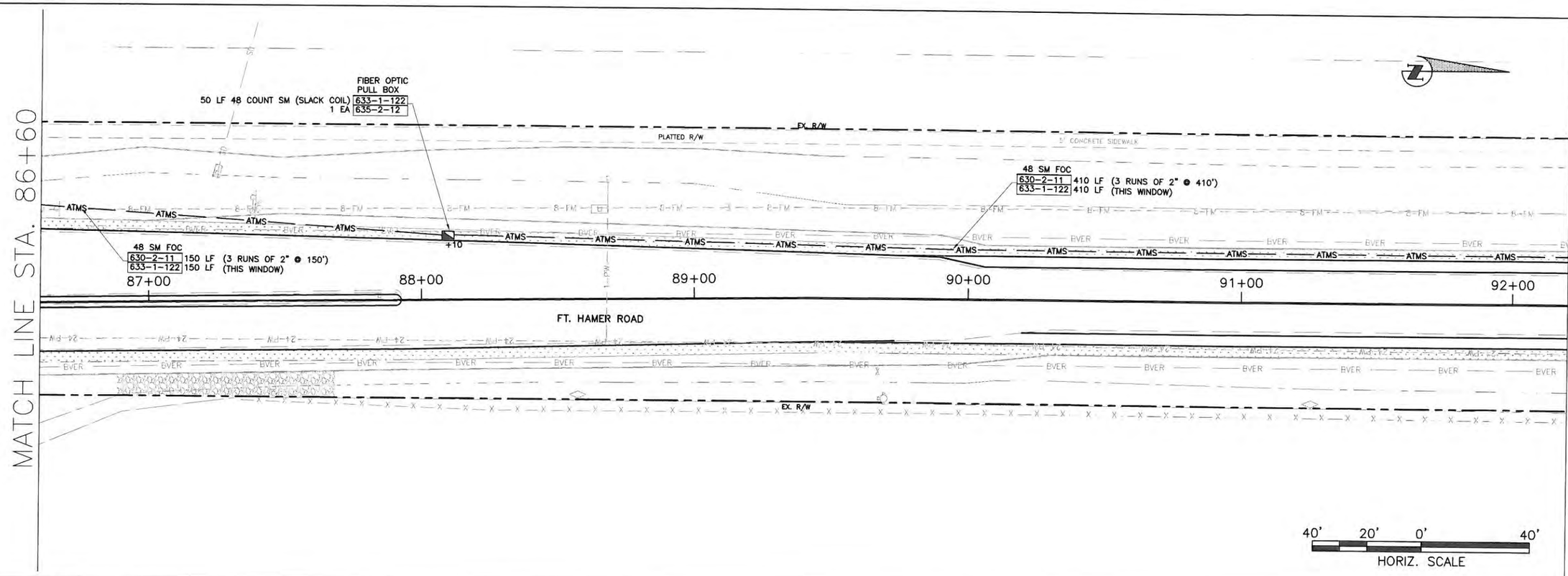
PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

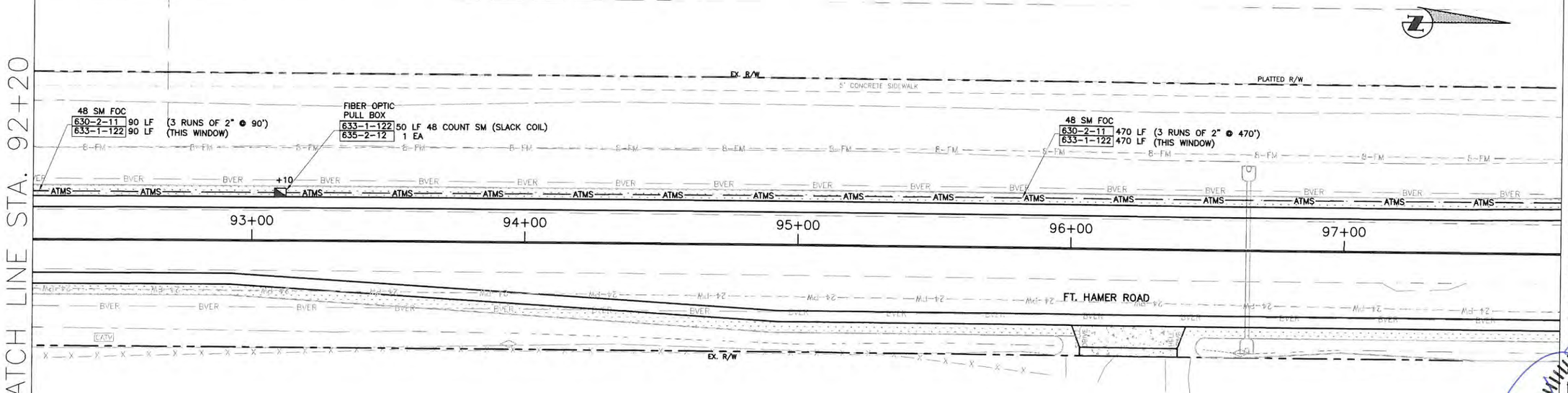
	BY	DATE
SURVEYED	ENS	
DESIGNED	PV	09/11/14
DRAWN	SR	09/11/14
CHECKED	PV	09/18/14

PAUL VILLALOZ, P.E., PTOE
FLORIDA P.E. # 76240
STATE OF FLORIDA
Signature & Date

SHEET IC-11

S:\PWD_Engineering_Shared\Highway Engineering\ROADS\Fort Homer Road\DWG\TRAFFIC PLANS\ATMS\FHR ATMS PLANS.dwg, IC-11, 11/4/2014 10:36 AM, Kayla Robey, 1:1





Manatee County
FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

	BY	DATE
SURVEYED		
DESIGNED	PV	09/11/14
DRAWN	KR	09/11/14
CHECKED	PV	09/11/14

PAUL VILLALUZ, P.E. #76246
FLORIDA P.E. # 76246
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date

SHEET IC-12

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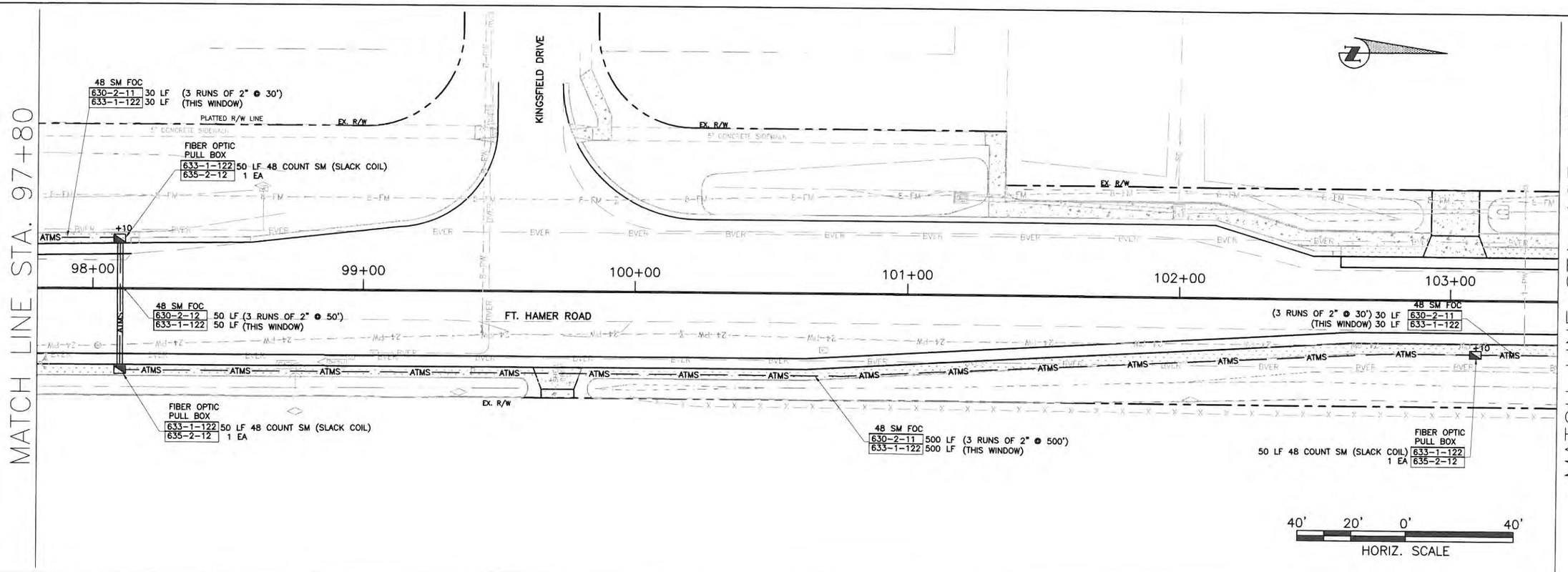
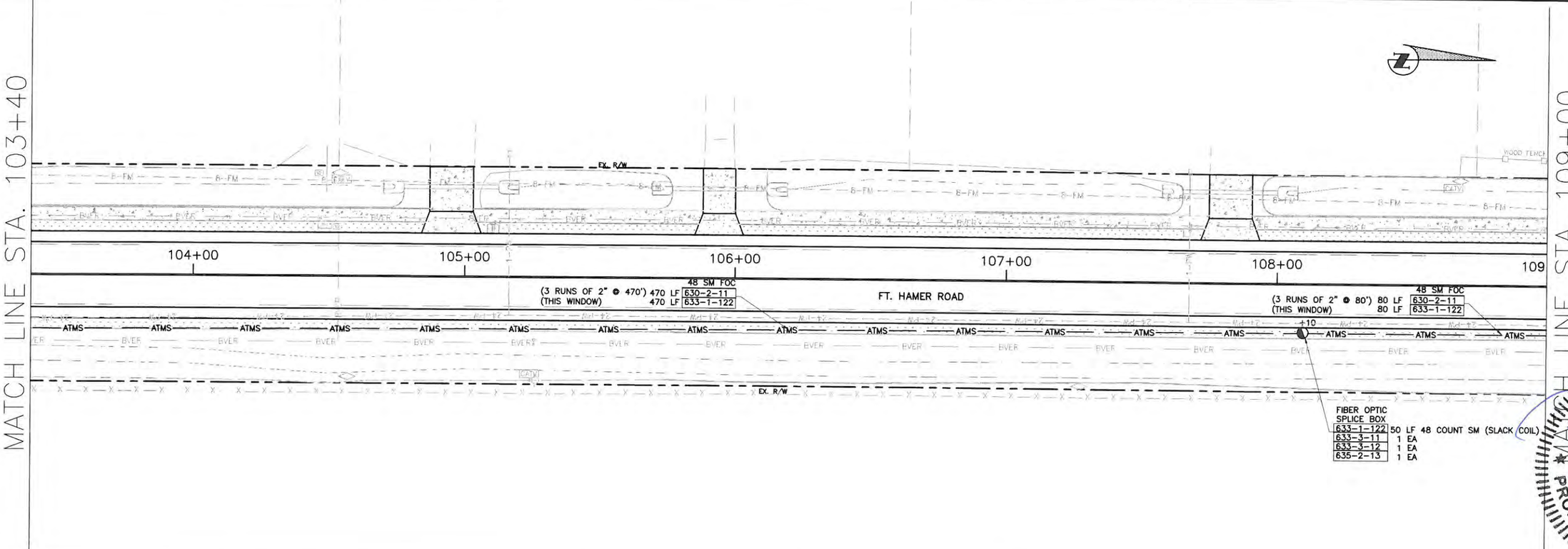




Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

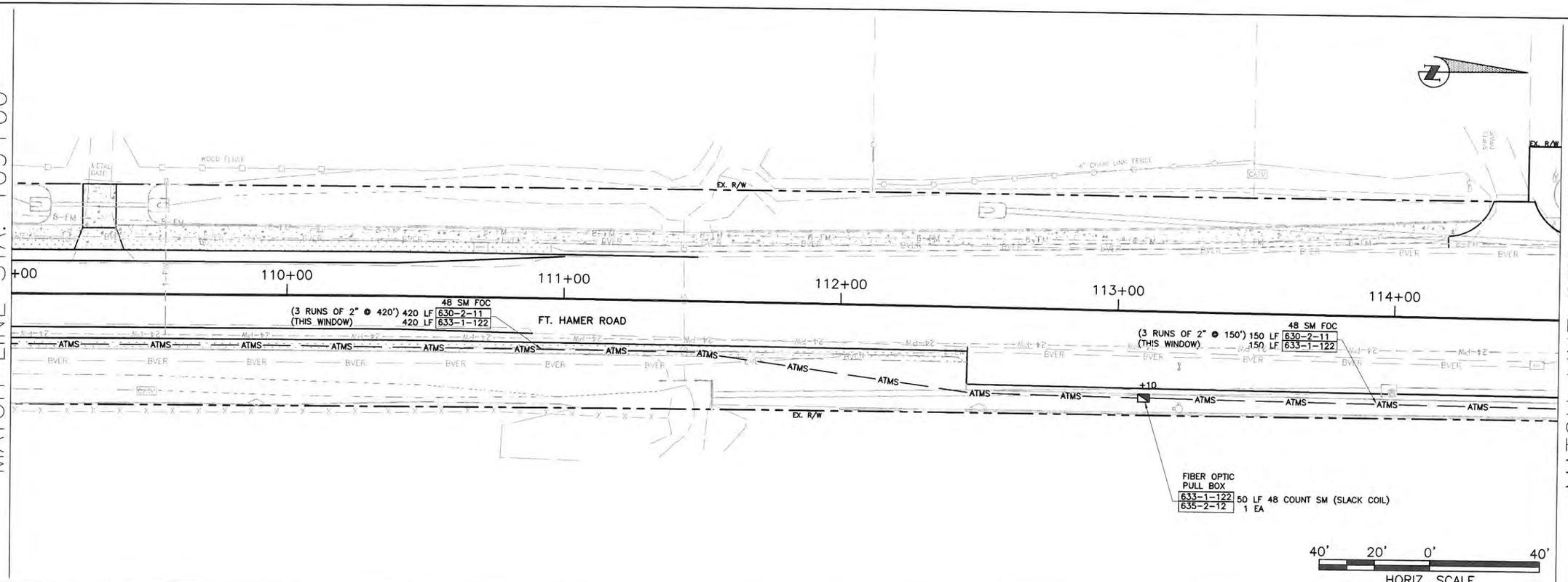
PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

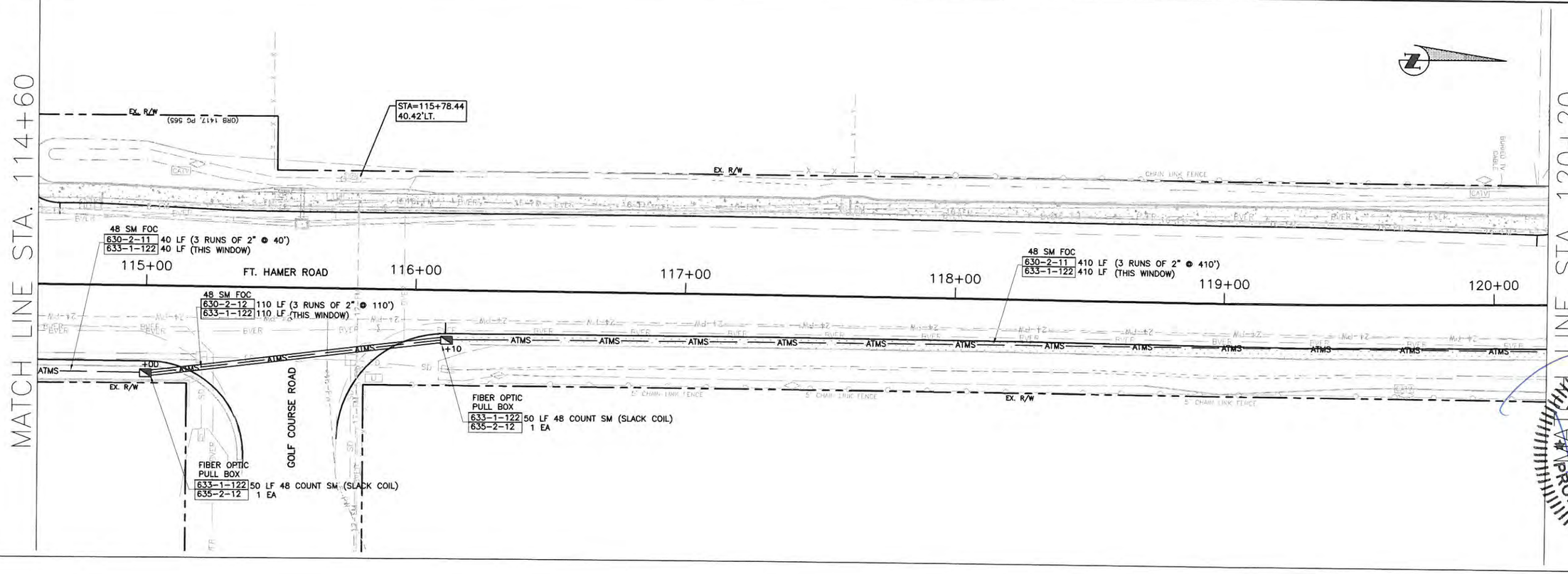
	BY	DATE
SURVEYED	ZWS	
DESIGNED	PV	08/11/14
DRAWN	KR	08/11/14
CHECKED	PV	09/18/14

PAUL VILLALUZ, P.E. #76248
FLORIDA P.E. # 76248
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date

SHEET IC-13

S:\PWD_Engineering_Shore\Highway_Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\FH ATMS PLANS.dwg,IC-13, 11/4/2014 10:36 AM Karla Ripley, 1:1, 1:1=1'





Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

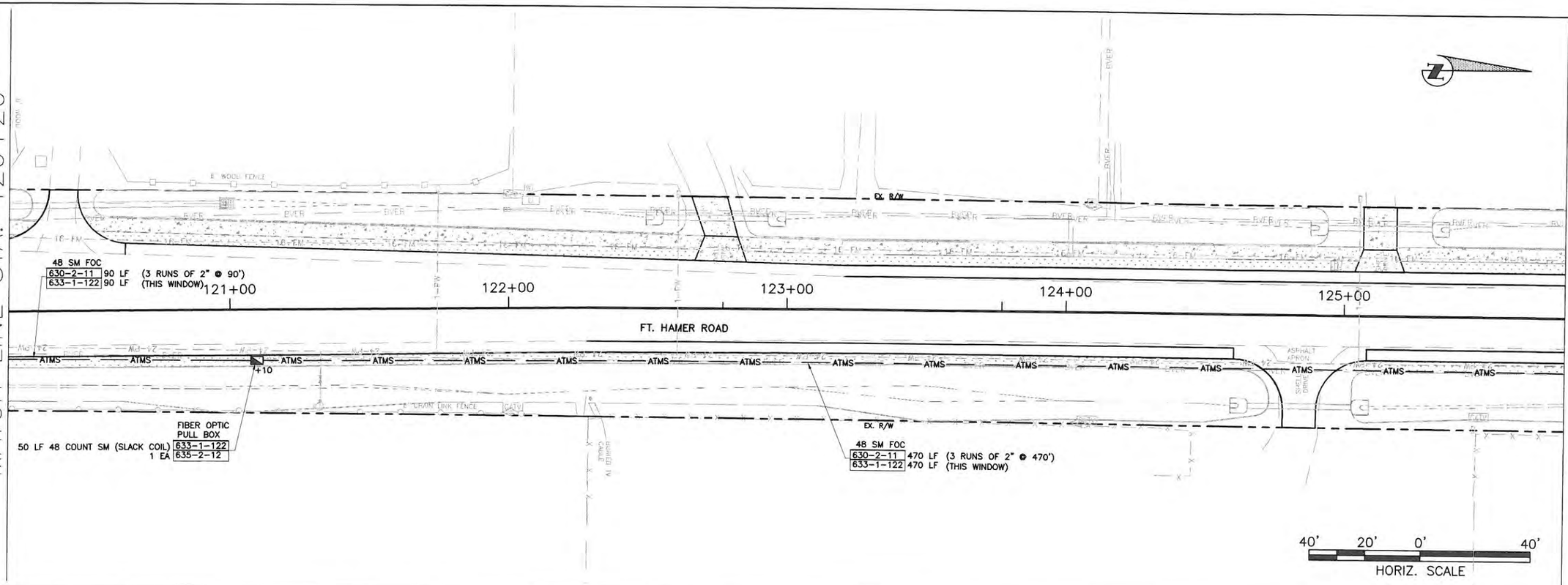
DESIGNED	PV	09/11/14
DRAWN	KR	09/11/14
CHECKED	PV	09/18/14

PAUL VILLALUZ, P.E., PTOE
STATE OF FL. # 76246
Signature & Date

SHEET IC-14

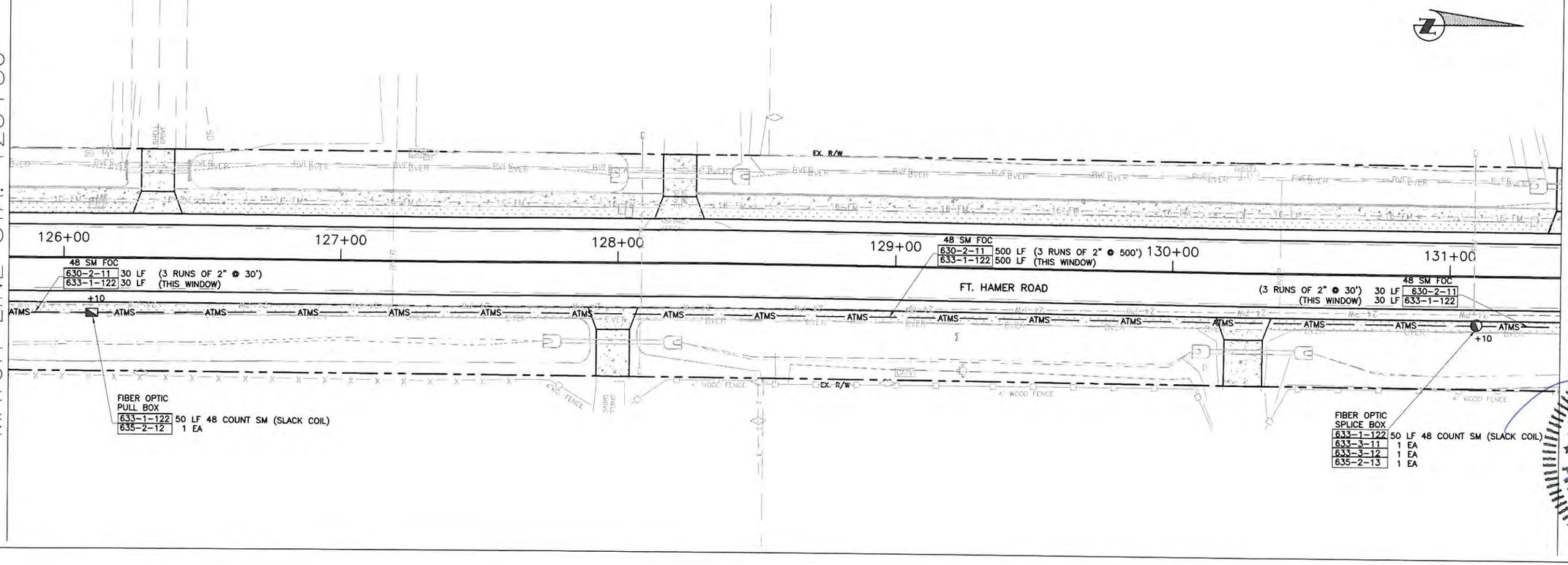
S:\PWD_Engineering_Shore\Highway Engineering\ROADS\Fort Hamer Road\UWG\TRAFFIC PLANS\ATMS\FH ATMS PLANS.dwg IC-14, 11/4/2014 10:36 AM Karla Rigby, 11, 11x17

MATCH LINE STA. 120+20



MATCH LINE STA. 125+80

MATCH LINE STA. 125+80



MATCH LINE STA. 131+40

Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

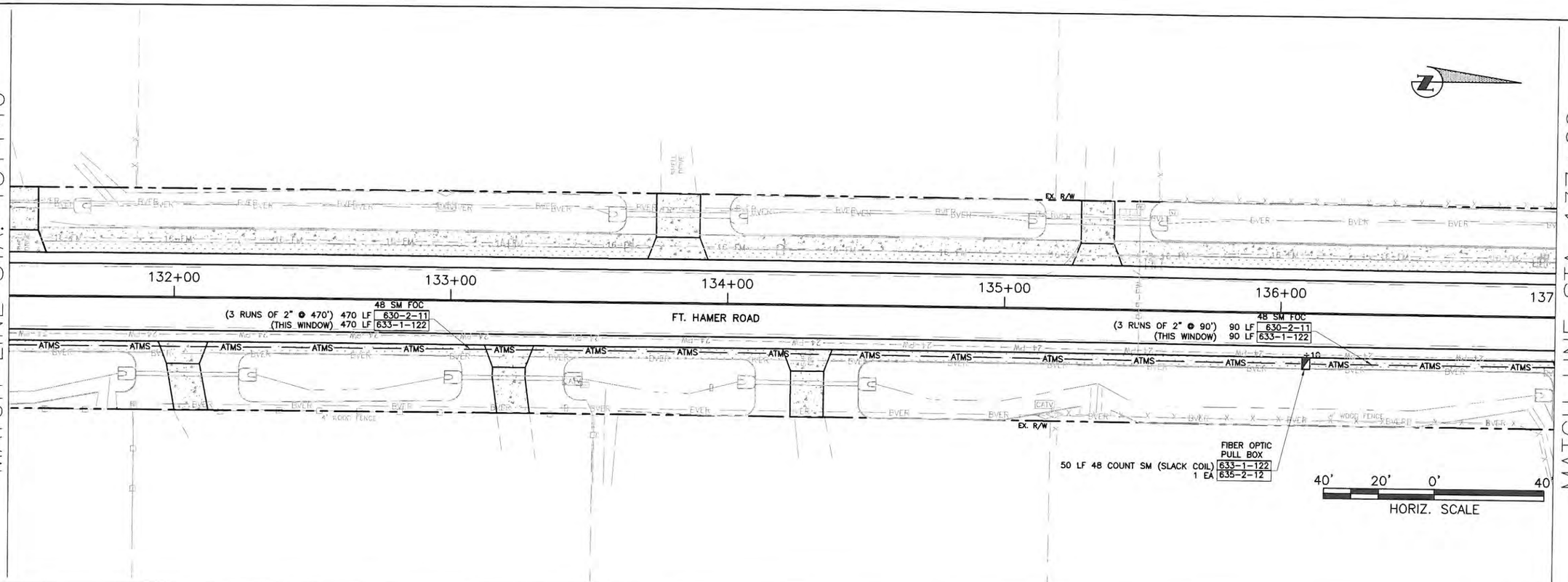
NO.	REVISION DESCRIPTION	BY	DATE

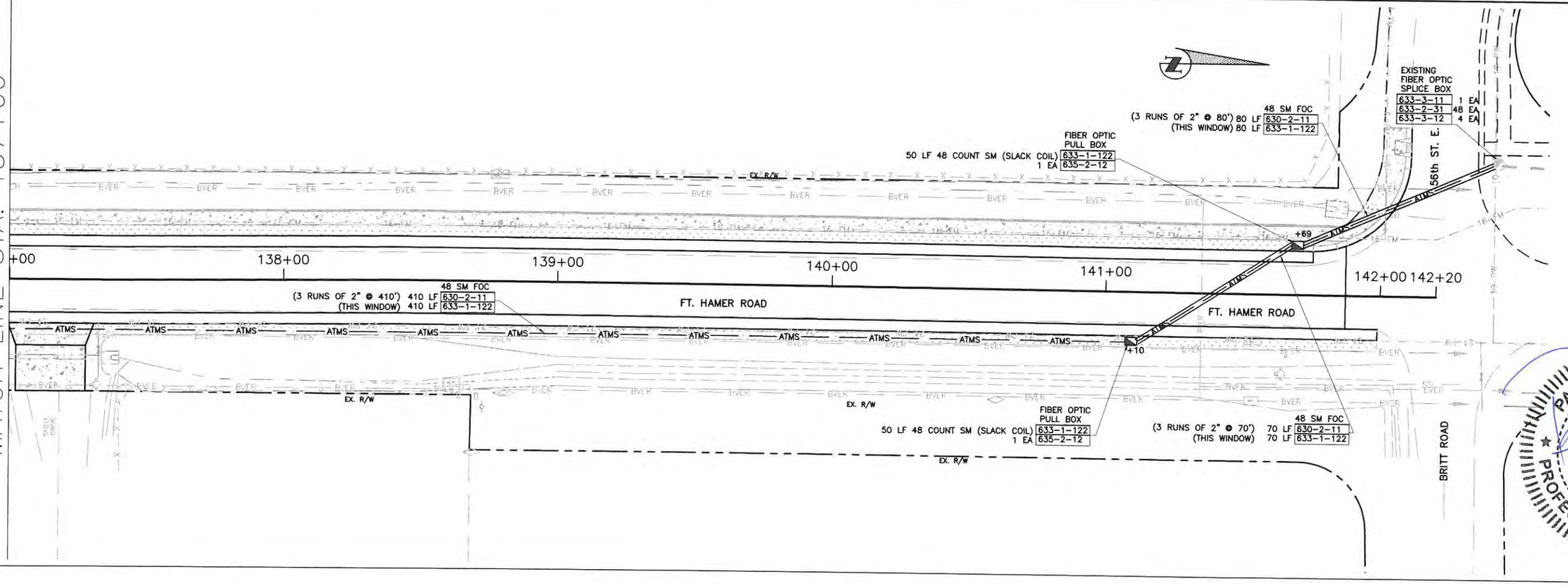
PROJECT #	323-6054764
SURVEY #	5303
SEC./TWN./RGE	7/35S/18E
SCALE	AS NOTED

	BY	DATE
SURVEYED		
DESIGNED	PV	09/11/14
DRAWN	KR	09/11/14
CHECKED	PV	09/18/14

PAUL VILLALUZ, P.E. # 76246
FLORIDA P.E. # 76246
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date

SHEET IC-15





Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, Fl. 34208

FORT HAMER ROAD PHASE II
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT PLANS

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #	323-6054764
SURVEY #	5303
SEC/TWN/RGE	7/35S/18E
SCALE	AS NOTED

	BY	DATE
SURVEYED	JNR	
DESIGNED	PV	09/17/14
DRAWN	KR	09/17/14
CHECKED	PV	09/17/14

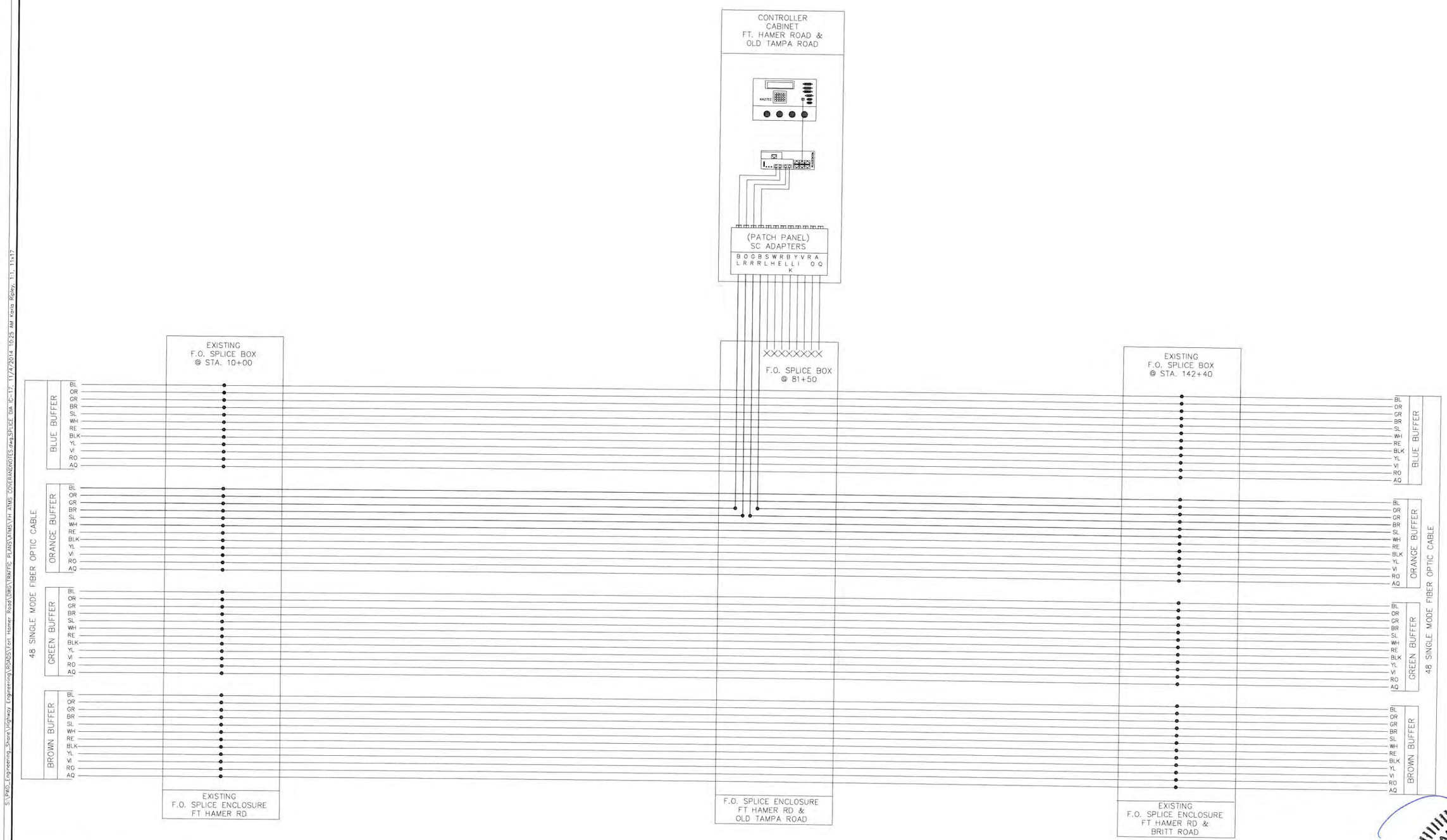
PAUL VILLALUZ, P.E. #76246
STATE OF FLORIDA P.E. # 76246

PAUL J. VILLALUZ ★ No. 76246 ★ STATE OF FLORIDA PROFESSIONAL ENGINEER

Signature & Date

SHEET IC-16

S:\PWD_Engineering_Shared\Highway_Engineering\ROADS\Fort Hamer Road\DWG\TRAFFIC PLANS\ATMS\FH ATMS PLANS.dwg IC-16, 11/4/2014 10:36 AM Doris Ridley, 11, 11x17



Manatee County FLORIDA

PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

MANATEE COUNTY, FL
US 301 TO FUTURE FORT HAMER BRIDGE
INTERCONNECT SPLICE DIAGRAM

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT #		323-6054764
SURVEY #		---
SEC./TWN./RGE		7/35S/18E
SCALE		N.T.S.
	BY	DATE
SURVEYED		---
DESIGNED	JAV	09/11/14
DRAWN	KR	09/11/14
CHECKED	MG	09/11/14

PAUL O. VILLALUZ, P.E. #76246
FLORIDA P.E. # 76246
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Signature & Date

SHEET IC-17

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