

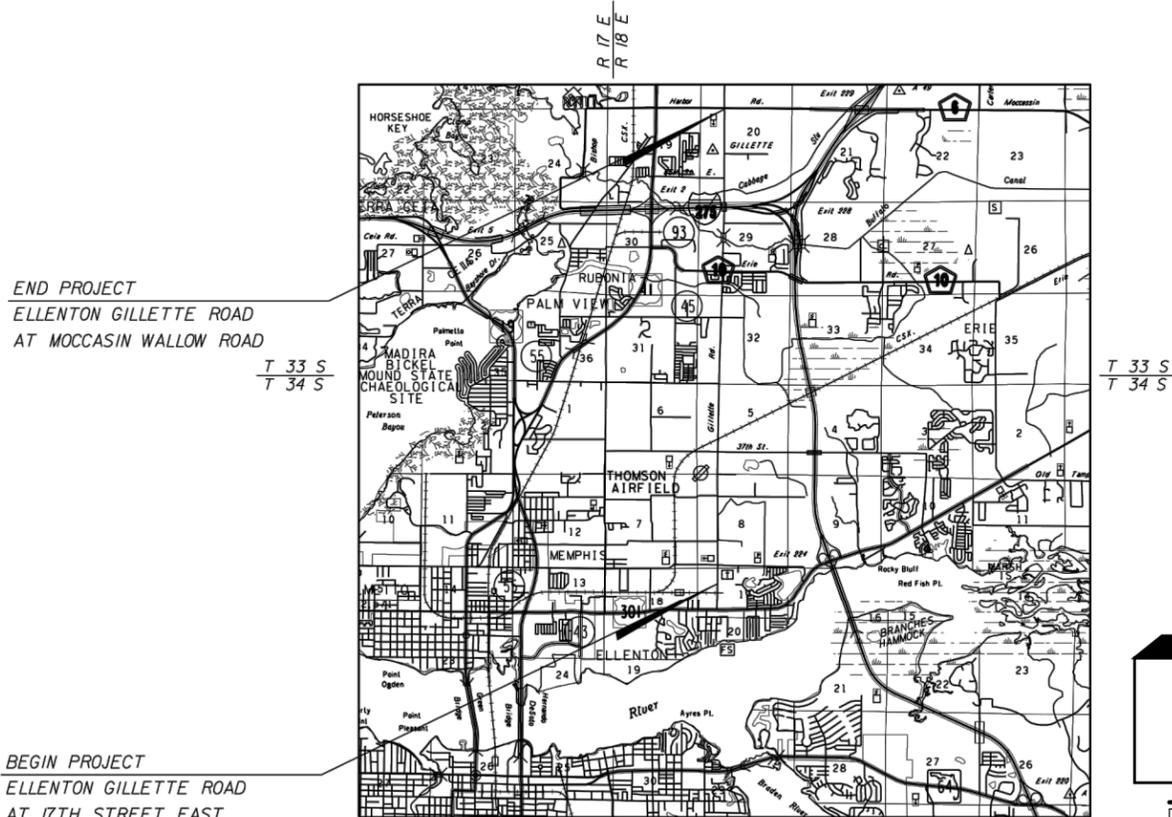
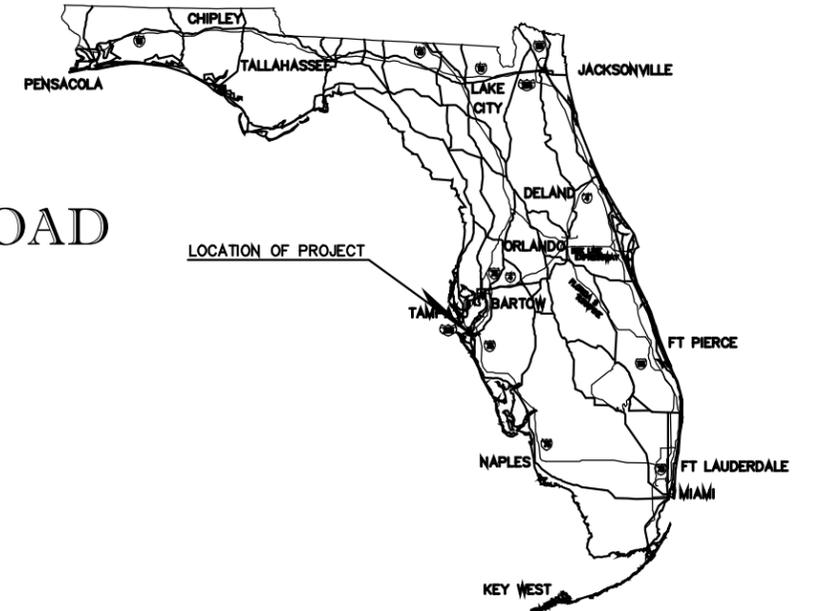
# INTERCONNECT PLANS

## ELLENTON GILLETTE ROAD FROM 17TH STREET EAST TO MOCCASIN WALLOW ROAD

### INDEX TO INTERCONNECT PLANS:

SHEET NO.	SHEET DESCRIPTION
T-1	KEY SHEET
T-2 - T-3	TABULATION OF QUANTITIES
T-4	GENERAL NOTES AND PAY ITEM NOTES
T-5 - T-14	INTERCONNECT PLANS
T-15	SPLICE DETAIL
T-16	NETWORK DIAGRAM

### MANATEE COUNTY PROJECT NUMBER 6084560

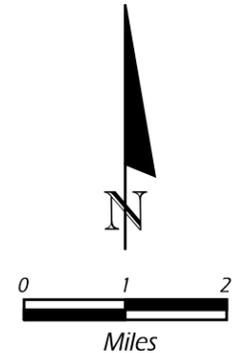


END PROJECT  
ELLENTON GILLETTE ROAD  
AT MOCCASIN WALLOW ROAD

T 33 S  
T 34 S

T 33 S  
T 34 S

BEGIN PROJECT  
ELLENTON GILLETTE ROAD  
AT 17TH STREET EAST



**100% PLANS  
JANUARY 27, 2021**

INTERCONNECT SHOP DRAWINGS  
TO BE SUBMITTED TO:

JEREMY PETTIT, P.E.  
INGENIUM ENTERPRISES, INC.  
14499 NORTH DALE MABRY HIGHWAY  
SUITE 250  
TAMPA, FLORIDA 33618  
(813) 387-0084

PLANS PREPARED BY:

INGENIUM ENTERPRISES  
14499 NORTH DALE MABRY HIGHWAY  
SUITE 250  
TAMPA, FLORIDA 33618  
(813) 387-0084  
CONSULTANT VENDOR NO. F-593601236

FBPR CERTIFICATION OF AUTHORIZATION NO. 8370

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED  
DUE TO PRODUCTION.

GOVERNING STANDARDS AND SPECIFICATIONS;  
FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS,  
DATED 2015, AND DIVISIONS II AND III OF THE STANDARD SPECIFICATIONS  
FOR ROAD AND BRIDGE CONSTRUCTION, DATED 2015,  
AS AMENDED BY CONTRACT DOCUMENTS.

NOTE: THESE PLANS WERE ORIGINALLY COMPLETED AND ISSUED TO  
MANATEE COUNTY ON APRIL 15, 2015. AS OF JANUARY 27, 2021, THE  
PROJECT HAS NOT BEEN CONSTRUCTED. INGENIUM ENTERPRISES, INC.  
WAS NOT PROVIDED ANY UPDATED EXISTING OR BASE CONDITION  
INFORMATION FOR THE REINSURANCE OF THESE PLANS. INGENIUM  
ENTERPRISES, INC. DOES NOT WARRANT THE VALIDITY OF THE EXISTING  
CONDITIONS AND AERIAL IMAGERY SHOWN ON THESE PLANS AND  
RECOMMENDS THAT MANATEE COUNTY PROVIDE UPDATED EXISTING  
AND BASE CONDITION INFORMATION. THE CONTRACTOR SHALL FIELD  
VERIFY THE EXISTING AND BASE CONDITIONS PRIOR TO STARTING ANY  
CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE FIELD  
VERIFICATION AND THE EXISTING CONDITIONS AND AERIAL IMAGERY  
AS SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF  
THE ENGINEER IMMEDIATELY.

LOCATION MAP

### SECTION 17, TOWNSHIP 34S, RANGE 18E



Digitally signed by Jeremy M.  
Pettit, P.E.  
DN: cn=Jeremy M. Pettit, P.E.,  
c=US,  
email=jpettit@ingeniumteam.com  
Date: 2021.01.27 17:13:50 -  
05'00'

JEREMY PETTIT, STATE OF FLORIDA,  
PROFESSIONAL ENGINEER, LICENSE NO. 88046

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED  
AND SEALED BY JEREMY PETTIT ON THE DATE  
INDICATED HERE USING A SHA  
AUTHENTICATION CODE. PRINTED COPIES OF  
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SIGNED AND SEALED AND THE SHA  
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ON ANY ELECTRONIC COPIES.

ATMS CONNECTION PLANS  
ENGINEER OF RECORDS: JEREMY PETTIT

P.E. NO.: 88046

FISCAL YEAR	SHEET NO.
15	T-1

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS														TOTAL THIS SHEET		GRAND TOTAL	
			T-5		T-6		T-7		T-8		T-9		T-10		T-11		PLAN	FINAL	PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL						
101-1	MOBILIZATION	LS																		
102-1	MAINTENANCE OF TRAFFIC	LS																		
104-10-3	SEDIMENT BARRIER	LF	840		2950		1965		1400		2960		1460		1535		13110			
570-1-2	PERFORMANCE TURF, SOD	SY	228		814		540		383		817		400		421		3603			
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	820		2930		1945		1380		2940		1440		1515		12970			
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	75				1000		985				985		1530		4575			
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF													125		125			
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 48 FIBERS	LF	1145		3230		3195		2715		3245		2675		2360		18565			
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	4												4		8			
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA													12		12			
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, ENCLOSURE	EA													1		1			
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1														1			
633-3-14	FIBER OPTIC CON. HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA													1		1			
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTION PANEL	EA													1		1			
635-2-12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	EA	3		5		4		6		4		4		5		31			
635-2-13	PULL & SPLICE BOX, F&I, 30"x60" REC.	EA			1		1		1		2		1		1		7			
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	EA													1		1			

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REVISIONS DATE DESCRIPTION DATE DESCRIPTION				INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046		 MANATEE COUNTY PUBLIC WORKS		TABULATION OF QUANTITIES		SHEET NO. T-2	
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TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL			
			T-12		T-13		T-14													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
101-1	MOBILIZATION	LS																		
102-1	MAINTENANCE OF TRAFFIC	LS																		
104-10-3	SEDIMENT BARRIER	LF	1025		990		2225										4240		17350	
570-1-2	PERFORMANCE TURF, SOD	SY	279		269		613										1161		4764	
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	1005		970		2205										4180		17150	
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1490		1565		485										3540		8115	
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF																	125	
633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 48 FIBERS	LF																	18565	
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA																	8	
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA																	12	
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, ENCLOSURE	EA																	1	
633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA																	1	
633-3-14	FIBER OPTIC CON. HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA																	1	
633-3-16	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTION PANEL	EA																	1	
635-2-12	PULL & SPLICE BOX, F&I, 24" x 36" COVER SIZE	EA	3		4		5										12		43	
635-2-13	PULL & SPLICE BOX, F&I, 30"X60" REC.	EA	1		1		1										3		10	
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	EA																	1	

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<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046	 MANATEE COUNTY PUBLIC WORKS	TABULATION OF QUANTITIES	SHEET NO.  T-3
REVISIONS																	
DATE	DESCRIPTION	DATE	DESCRIPTION														

GENERAL NOTES AND PAY ITEM NOTES:

1. AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE FOLLOWING PERSONNEL FOR NOTIFICATION OF SCHEDULED CONSTRUCTION OPERATIONS:

MANATEE COUNTY TRAFFIC OPERATIONS DIVISION  
MR. AARON BURKETT (941) 708-7509

MANATEE COUNTY TRAFFIC ENGINEERING DIVISION  
MR. VISHAL KAKKAD (941) 749-3502

2. THE CONTRACTOR MUST NOTIFY THE FOLLOWING PERSONNEL AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO SCHEDULE THE FINAL INSPECTION:

FLORIDA DEPARTMENT OF TRANSPORTATION  
MR. CARLOS CABRERA (941) 359-7317

MANATEE COUNTY TRAFFIC ENGINEERING DIVISION  
MR. VISHAL KAKKAD (941) 749-3502

3. WHEN CONSTRUCTION IS COMPLETE, PROVIDE THREE (3) SETS OF "AS-BUILT" PLANS AND ONE COMPACT DISK (PDF FILES) TO:

MANATEE COUNTY  
TRAFFIC ENGINEERING DIVISION  
2101 47TH TERRACE EAST  
BRADENTON, FLORIDA 34203  
(ATTN: MR. VISHAL S. KAKKAD, PE, PTOE)

FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DISTRICT 1  
P.O. BOX 1249  
801 N. BROADWAY AVE.  
BARTOW, FLORIDA 33831  
(ATTN: TRAFFIC OPERATIONS - OPERATIONS CENTER)

THE RECORD DRAWINGS MUST BE RECEIVED 48 HOURS PRIOR TO SCHEDULING THE FINAL INSPECTION. CONTRACTOR SHOULD PROVIDE BORE LOS FOR THE INSTALLED CONDUIT WITHIN THE PROJECT LIMITS.

4. ONE WEEK PRIOR TO BEGINNING OF THE INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN CONJUNCTION WITH:

MANATEE COUNTY  
PUBLIC WORKS DEPARTMENT  
PROJECT MANAGEMENT DIVISION  
1022 26TH AVENUE EAST  
BRADENTON, FLORIDA 34208  
PHONE: (941) 708-7510

MANATEE COUNTY  
PUBLIC WORKS DEPARTMENT  
TRAFFIC ENGINEERING DIVISION  
2101 47TH TERRACE EAST  
BRADENTON, FLORIDA 34203  
PHONE: (941) 749-3502

5. THE MAINTAINING AGENCY IS:

MANATEE COUNTY  
TRAFFIC OPERATIONS DIVISION  
2404 12TH STREET COURT EAST  
BRADENTON, FLORIDA 34208

6. WHEN CONSTRUCTION DEVIATES FROM APPROVED PERMIT PLANS INCLUDING POSSIBLE EASEMENT, THE CONTRACTOR SHALL FURNISH TO THE COUNTY PROJECT MANAGER, IN CONJUNCTION WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION, ONE SET OF "AS-BUILT" PLANS FOR THE FDOT RECORDS:

DEPARTMENT OF TRANSPORTATION  
P.O. BOX 1249  
801 N. BROADWAY AVE  
BARTOW, FLORIDA 33831  
(ATTN: TRAFFIC OPERATIONS - SIGNAL DESIGN)

MANATEE COUNTY  
TRAFFIC ENGINEERING DIVISION  
2101 47TH TERRACE EAST  
BRADENTON, FLORIDA 34203

7. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT ALL CONSTRUCTION ELEMENTS ARE INSTALLED AS SHOWN IN THE PLANS WITHIN EXISTING RIGHT-OF-WAY.

8. THE CONTRACTOR SHALL WORK IN CONJUNCTION WITH THE MAINTAINING AGENCY TO COORDINATE UTILITY RELOCATION IF NECESSARY.

9. IN THE EVENT R/W OR IRRESOLVABLE UTILITY CONFLICTS PROHIBIT PLACEMENT ACCORDING TO THE PLANS, THE CONTRACTOR SHALL CONTACT TRAFFIC OPERATIONS ENGINEER AND/OR ENGINEER OF RECORD (EOR) TO OBTAIN DESIGN VARIATION.

10. WORK ZONE TRAFFIC CONTROL:

- A. MAINTAIN TRAFFIC CONTROL AS PER INDEXES (600 SERIES) IN THE FDOT ROADWAY TRAFFIC DIVISION STANDARDS BOOKLET DATED 2015.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING SAFE AND EFFICIENT OPERATION DURING CONSTRUCTION ACTIVITIES.
- C. ANY LANE CLOSURE WILL BE COORDINATED WITH MANATEE COUNTY AND FDOT.
- D. THE CONTRACTOR SHALL NOT CLOSE ANY TWO CONSECUTIVE SIDE STREETS OR MEDIAN OPENINGS IN ANY GIVEN PHASE. DRIVEWAYS SHALL NOT BE CLOSED WITHOUT PROVIDING UNOBSTRUCTED INGRESS AND EGRESS.

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

12. 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.

UTILITY OWNERS:  
PEACE RIVER ELECTRIC

MANATEE COUNTY (WATER AND SEWER)

VERIZON

FLORIDA POWER AND LIGHT (FPL)

BRIGHT HOUSE NETWORKS

TECO/PEOPLE'S GAS

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

14. IT SHOULD BE NOTED THAT NO TEST BORINGS WERE MADE WHERE CONDUIT RUNS ARE TO BE INSTALLED BY DIRECTIONAL BORING.

15. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS TO THE FOLLOWING PERSONNEL FOR APPROVAL PRIOR TO ORDERING:

MANATEE COUNTY  
PUBLIC WORKS  
1022 26TH AVENUE EAST  
BRADENTON, FLORIDA 34206-3926  
(ATTN: MICHAEL L. STURM, P.E.)

16. THE CONTRACTOR SHALL PERFORM ALL WORK AS PER LATEST FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS AT THE TIME OF BID, INCLUDING THE LATEST DESIGN STANDARDS AND THE LATEST FDOT STANDARD SPECIFICATIONS WITH CURRENT SUPPLEMENTAL SPECIFICATIONS THERETO. WHEN FDOT AND MANATEE COUNTY SPECIFICATIONS DIFFER, THE MORE STRINGENT SPECIFICATIONS WILL TAKE PRECEDENCE. MANATEE COUNTY TRAFFIC SPECIFICATIONS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE PROJECT MANAGEMENT DIVISION.

17. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BOND REQUIREMENTS WITH JANE OLIVER, MANATEE COUNTY PUBLIC WORKS SENIOR ADMINISTRATIVE SPECIALIST, AT (941) 708-7450, EXT. 7275.

18. THE CONTRACTOR SHALL HAVE A I.M.S.A. CERTIFIED LEVEL II (ELECTRONICS OR ELECTRICAL TECHNICIAN) ON THE JOB SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. ALL SIGNAL INSTALLATION TECHNICIANS SHALL HAVE A MINIMUM OF I.M.S.A. LEVEL I CERTIFICATION. CERTIFICATION OF ALL TECHNICIANS SHALL BE PROVIDED TO THE COUNTY PRIOR TO BEGINNING WORK.

19. UPON PROJECT COMMENCEMENT, THE SIGNAL CONTRACTOR SHALL PROVIDE CONTACT NUMBERS TO THE MANATEE COUNTY TRAFFIC OPERATIONS DIVISION.

20. ALL MATERIALS, EQUIPMENT, AND OTHER CONTRACTOR SUPPLIED ITEMS SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY DIRECTED OTHERWISE BY MANATEE COUNTY.

21. PRIOR TO ORDERING MATERIALS, THE SIGNAL CONTRACTOR SHALL CONTACT THE TRAFFIC OPERATIONS DIVISION TO VERIFY CURRENT COLOR CODES FOR SIGNAL CABLE AND TO VERIFY THAT ALL EQUIPMENT TO BE ORDERED COMPLIES WITH MANATEE COUNTY EQUIPMENT AND DESIGN REQUIREMENTS.

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DATE	DESCRIPTION	DATE	DESCRIPTION				T-4

**LEGEND**

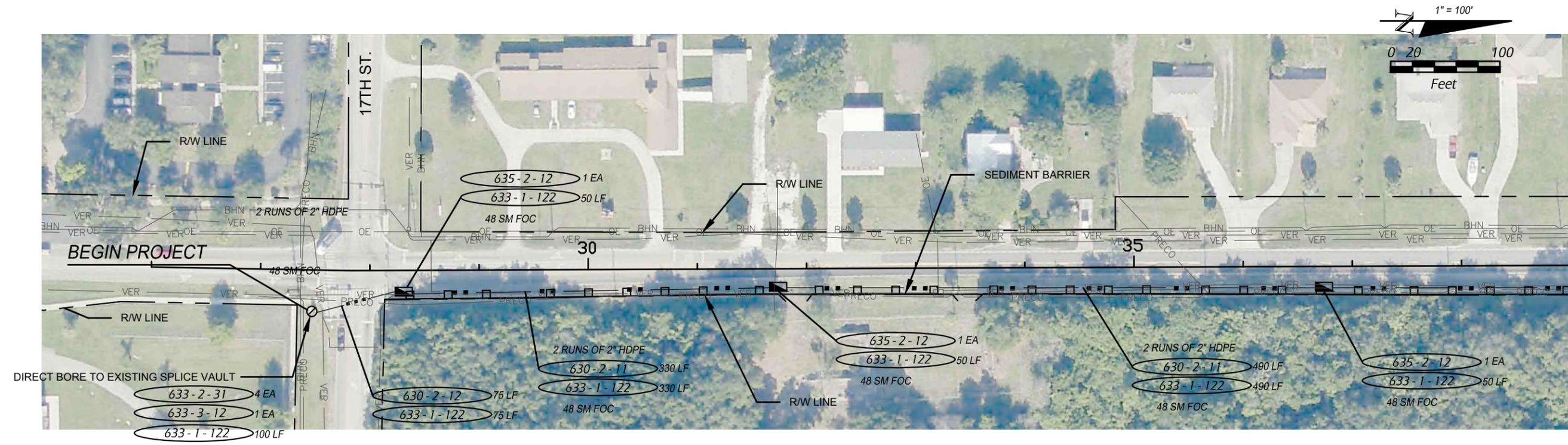
- DIRECTIONAL BORE CONDUIT
- OPEN TRENCH CONDUIT
- ▬ SEDIMENT BARRIER
- ▣ PULL BOX
- SPLICE BOX
- ⊙ EXIST. SPLICE BOX

**NOTES:**

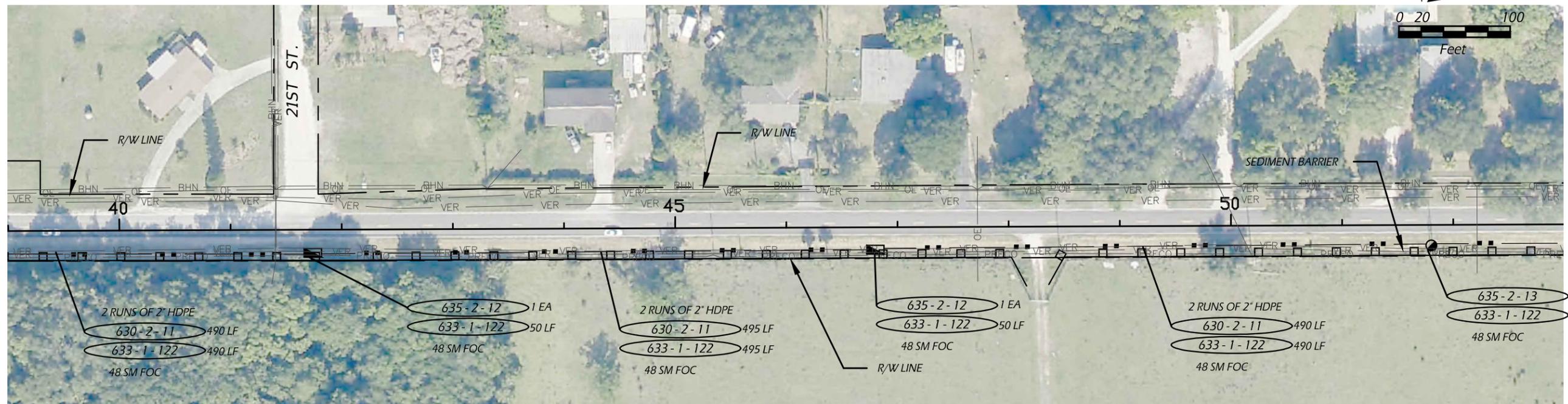
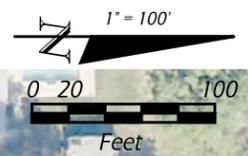
1. PULL BOX LOCATIONS CAN BE ADJUSTED IN THE FIELD PER ENGINEER'S INSTRUCTIONS BASED ON FIELD CONDITIONS.
2. DRIVEWAYS TO BE RESTORED TO ORIGINAL CONDITION. PAYMENT WILL BE INCLUDED IN UNIT COST OF CONDUIT INSTALLATION.
3. FIBER OPTIC SPLICE BOXES ARE TO BE POLYMER TYPE (QUAZITE OR EQUIVALENT). ALL SPLICE BOXES SHALL HAVE TRAFFIC BEARING LIDS WITH A MINIMUM LOAD RATING OF 20,000 LB.
4. FIBER OPTIC PULL BOX DIMENSIONS SHALL BE 24" X 36" X 36" AND THE FIBER OPTIC SPLICE BOX DIMENSIONS SHALL BE 30" X 60" X 48". FIBER OPTIC PULL AND SPLICE BOX LIDS SHALL BE STAMPED "MANATEE COUNTY FIBEROPTIC SYSTEM" ON THE COVER.
5. USE 2 (2") CONDUIT FOR NEW COMMUNICATIONS. USE LOCATE WIRE OR METAL TAPE SO THAT CONDUIT CAN BE PHYSICALLY LOCATED IN THE FUTURE.
6. USE ROUTE MARKERS FOR FIBER OPTIC CONDUIT RUNS PER FDOT SPECIFICATION SECTION 630 "CONDUIT". CONTRACTOR SHALL COORDINATE WITH MANATEE COUNTY THE SPECIFIC WORDING/LABEL TEMPLATE FOR THE ROUTE MARKERS.
7. OPEN TRENCH EXCAVATION FOR CONDUIT INSTALLATION SHALL COMPLY WITH 2015 FDOT STD. INDEX 17721.
8. DIRECTIONAL BORE CONDUIT INSTALLATION SHALL COMPLY WITH FDOT 2015 STANDARD SPECIFICATION SECTION 555 "DIRECTIONAL BORE" WITH A MINIMUM DEPTH OF 5' BELOW EXIST. GROUND.
9. THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS WERE OBTAINED FROM LOMBARDO, FOLEY & KOLARIK, INC. AND ARE FOR INFORMATION PURPOSE ONLY.
10. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE ROADWAY PLANS.

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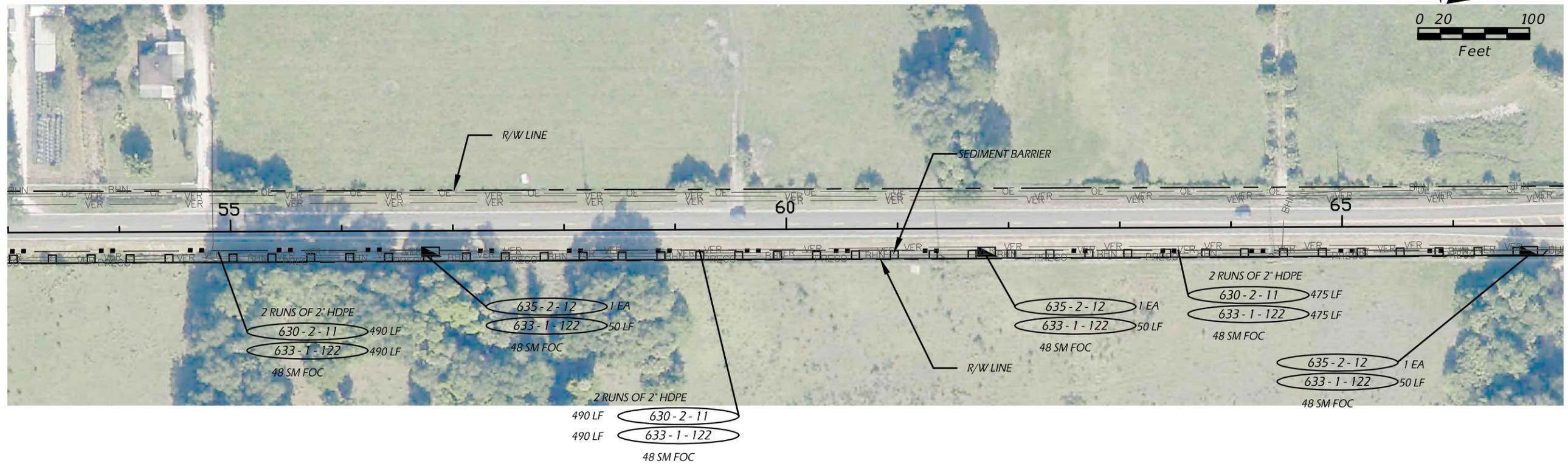
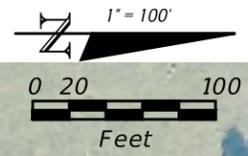


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DATE	DESCRIPTION	DATE	DESCRIPTION				T-5



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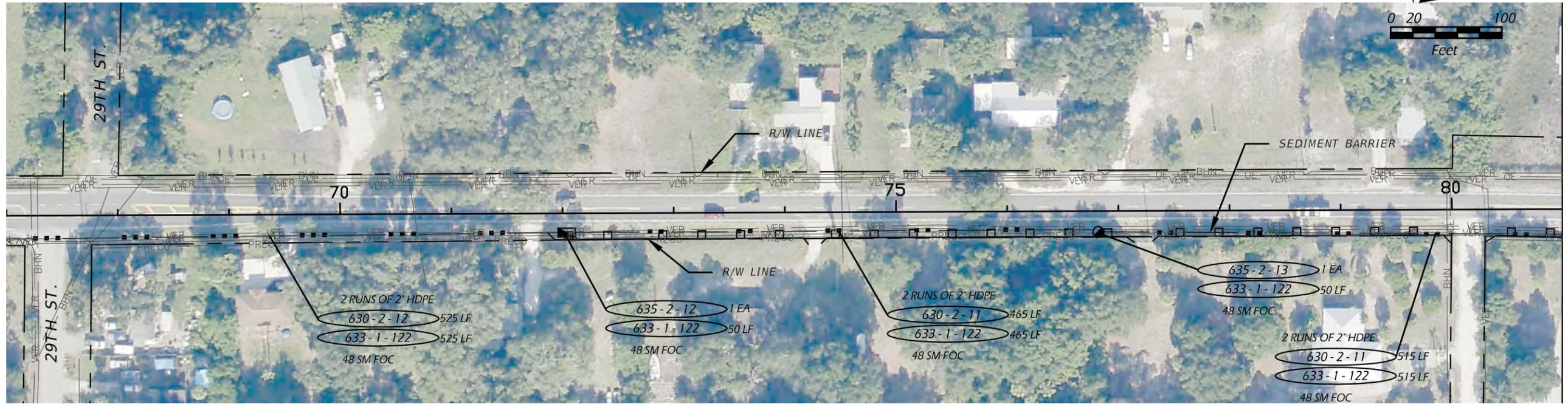
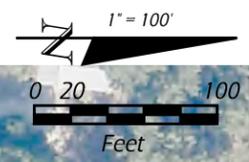
INGENIUM ENTERPRISES  
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 SUITE 250  
 TAMPA, FLORIDA 33618  
 (813) 387-0084  
 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370  
 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046



MANATEE COUNTY  
 PUBLIC WORKS

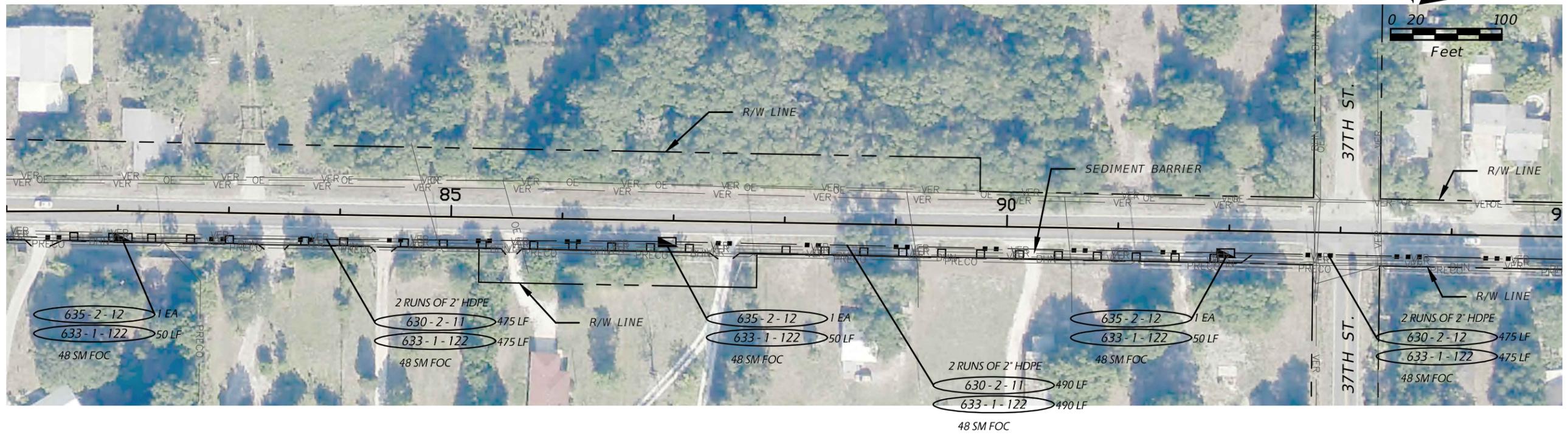
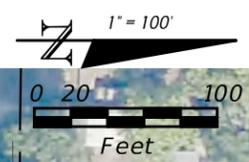
INTERCONNECT PLAN

SHEET NO.  
 T-6

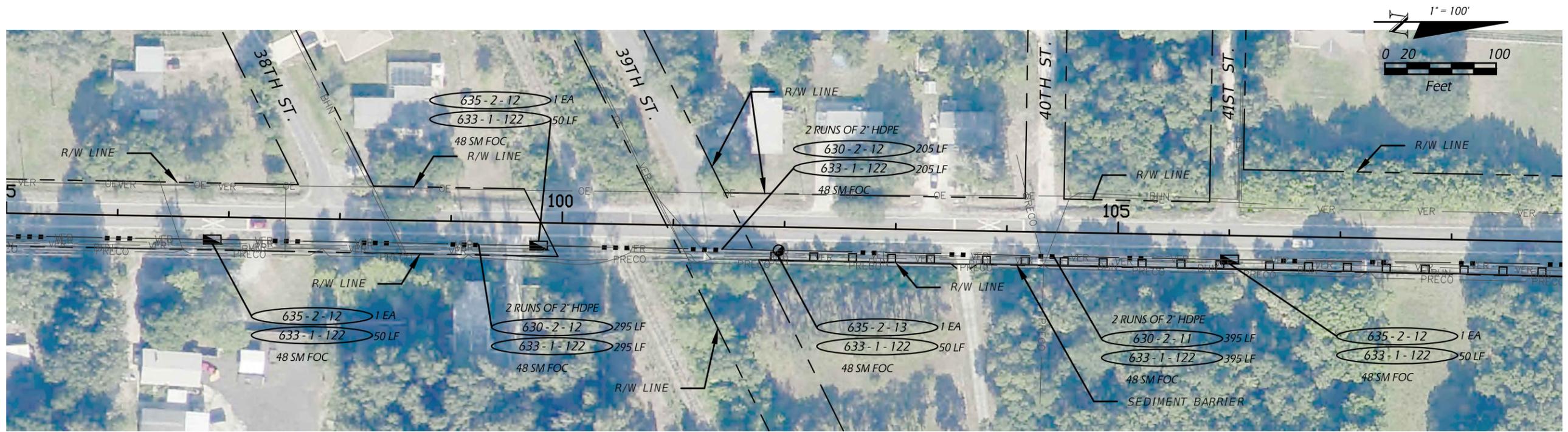


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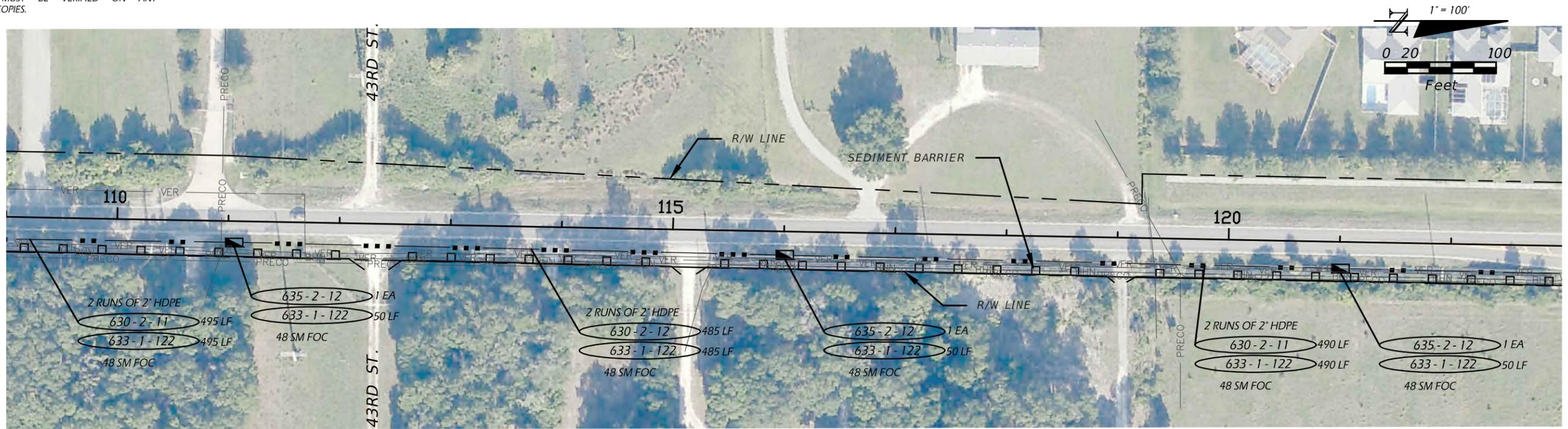


REVISIONS		REVISIONS		INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046	 MANATEE COUNTY PUBLIC WORKS	INTERCONNECT PLAN	SHEET NO. T-7
DATE	DESCRIPTION	DATE	DESCRIPTION				



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DATE	DESCRIPTION

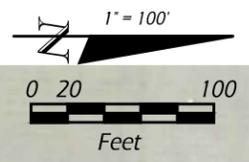
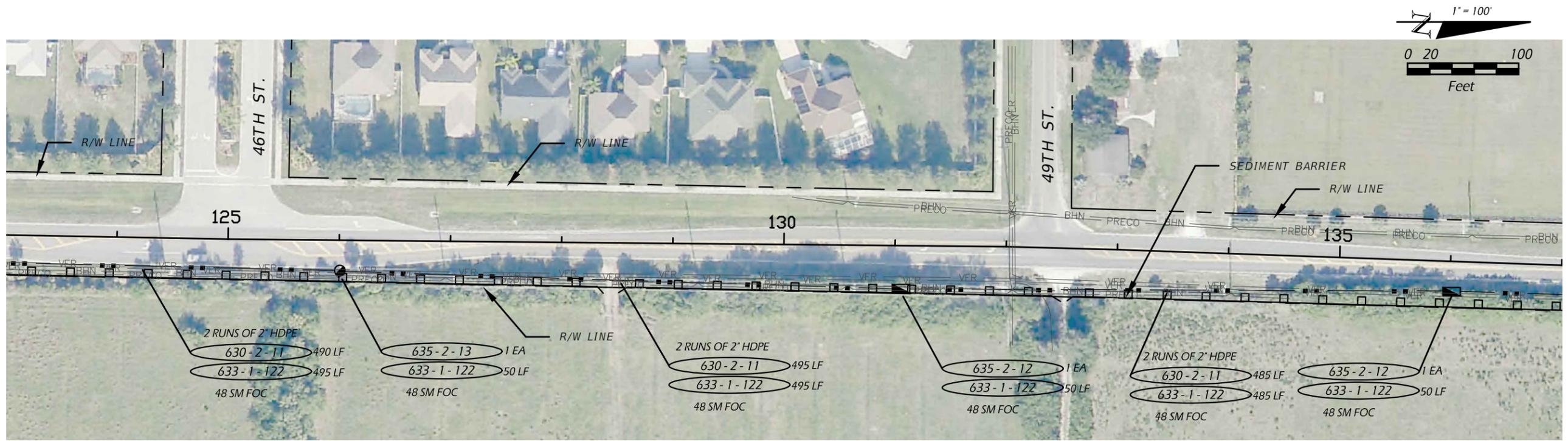
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 SUITE 250  
 TAMPA, FLORIDA 33618  
 (813) 387-0084  
 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370  
 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046



MANATEE COUNTY  
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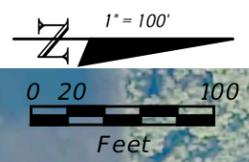
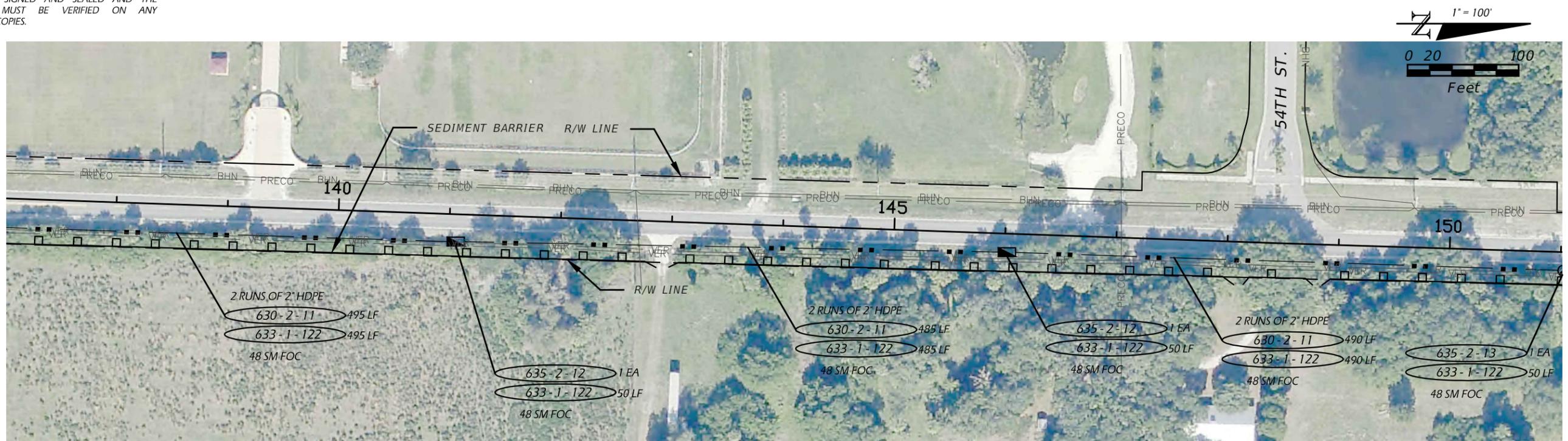
INTERCONNECT PLAN

SHEET NO.  
 T-8

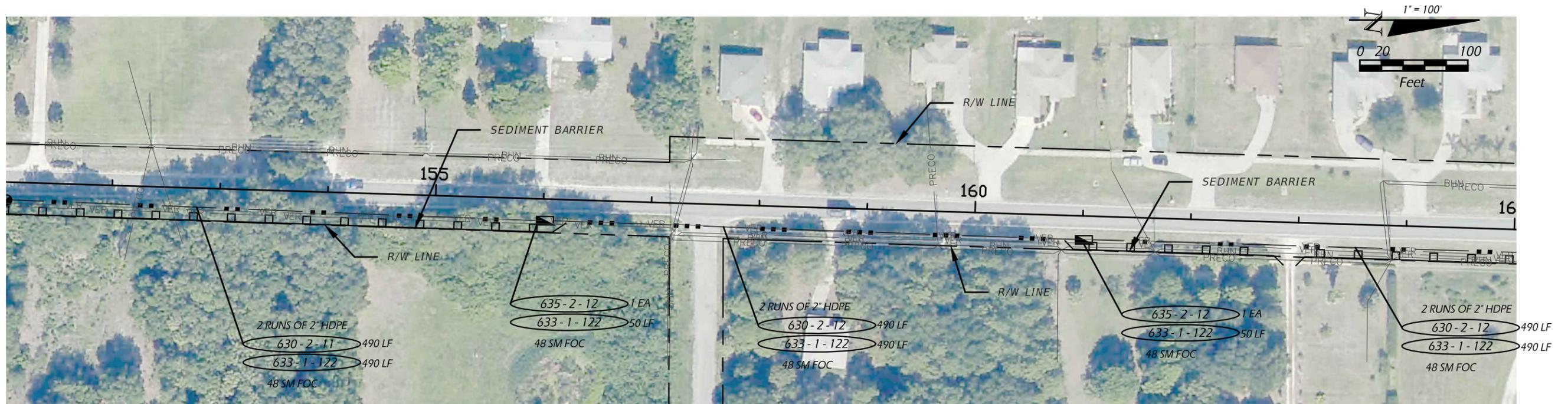


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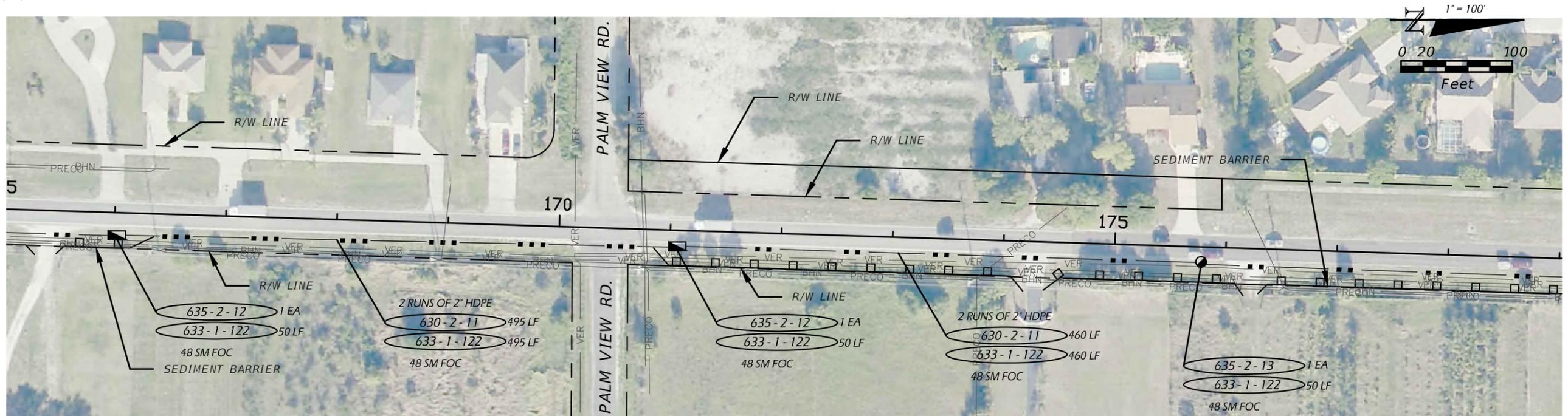


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DATE	DESCRIPTION	DATE	DESCRIPTION					
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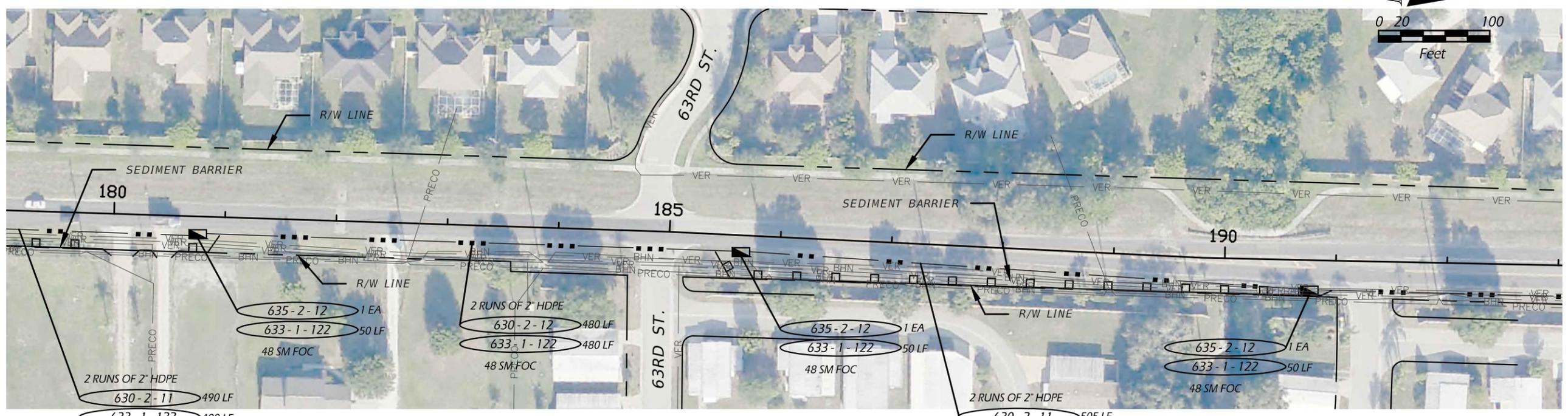
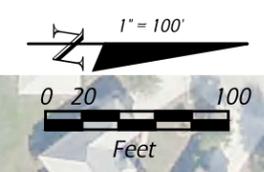


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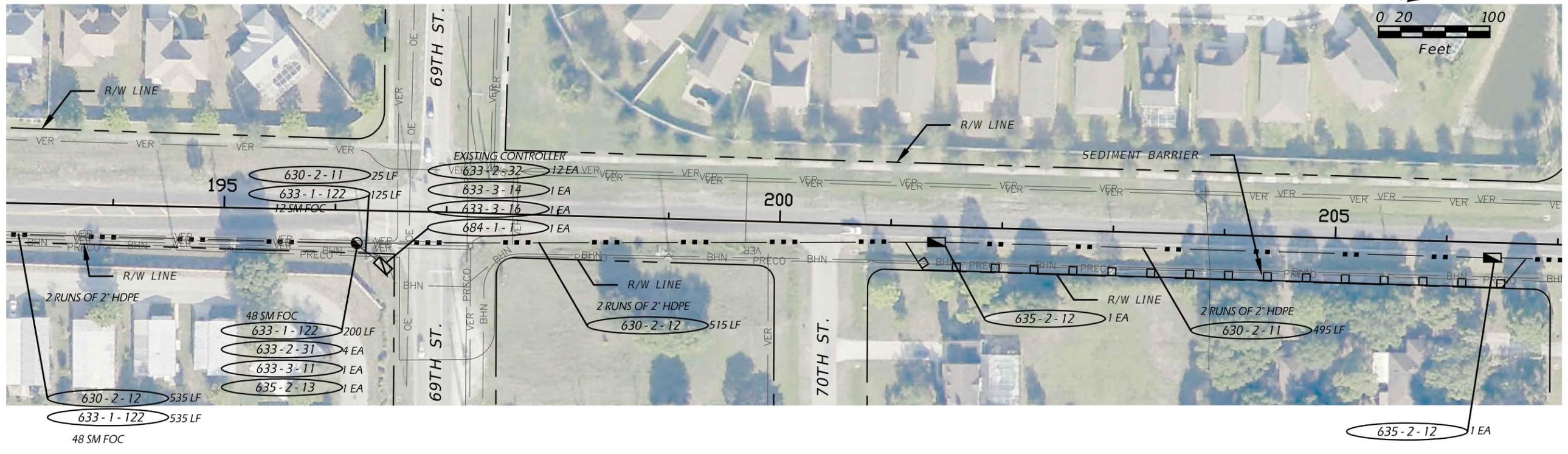
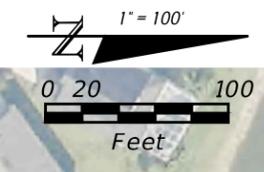


REVISIONS		DESCRIPTION		INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046	 MANATEE COUNTY PUBLIC WORKS	INTERCONNECT PLAN	SHEET NO.  T-10
DATE	DESCRIPTION	DATE	DESCRIPTION				
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DATE	DESCRIPTION	DATE	DESCRIPTION

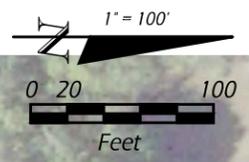
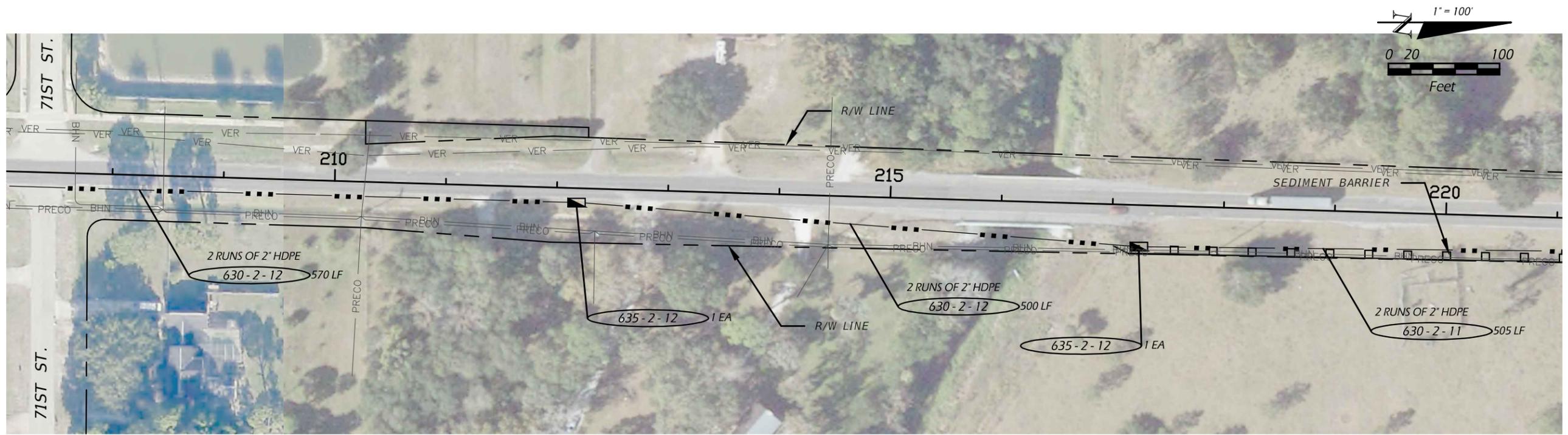
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 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046



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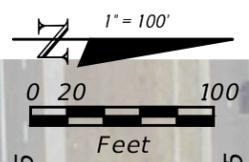
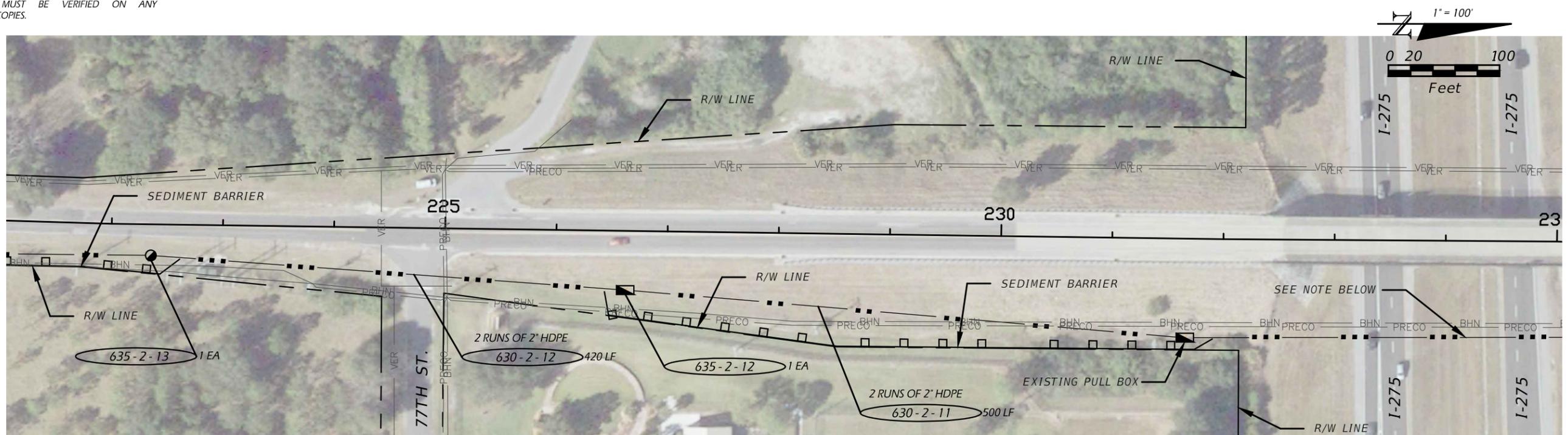
INTERCONNECT PLAN

SHEET NO.  
 T-11



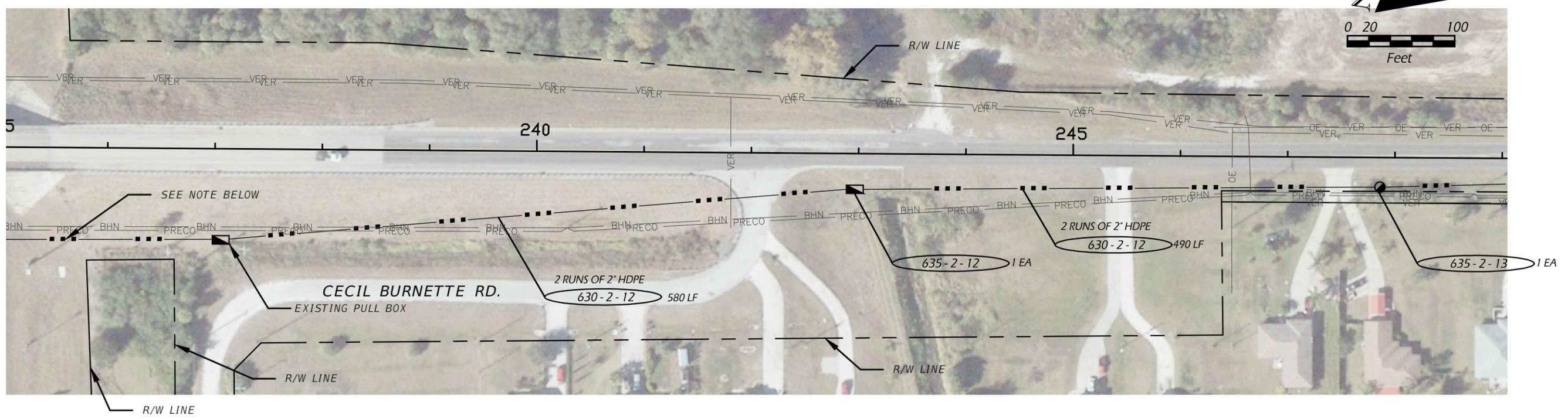
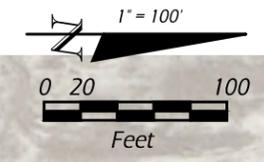
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NOTE: DIRECTIONAL BORE UNDER I-275 WAS DONE PER FDOT PERMIT #2015-H-194-8 APPROVED ON JAN. 16, 2015.

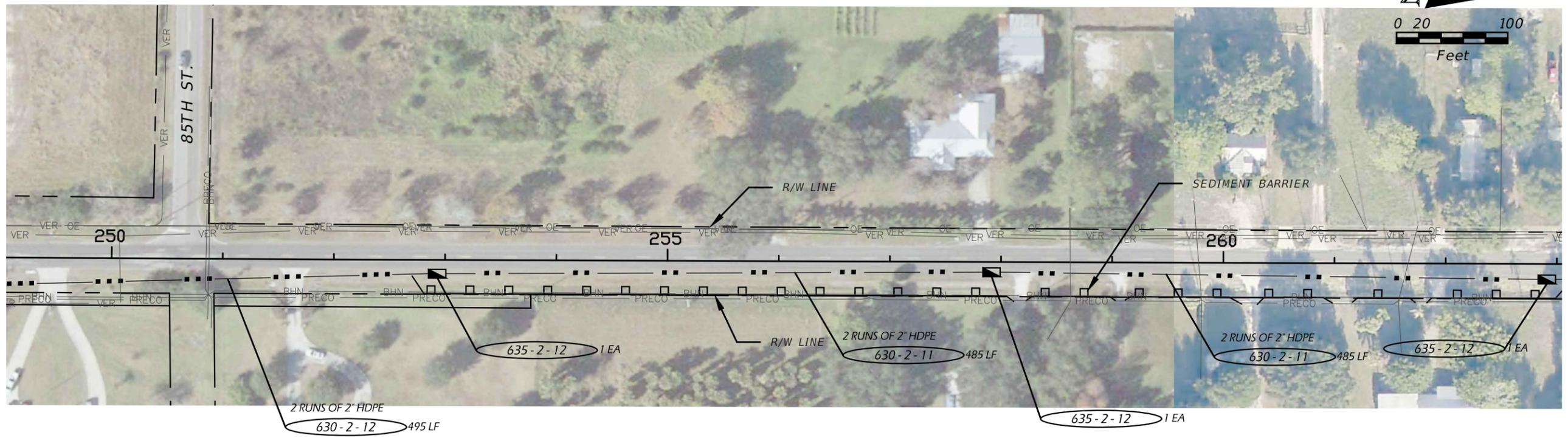
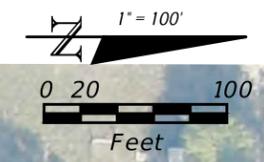
REVISIONS				INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046	 MANATEE COUNTY PUBLIC WORKS	INTERCONNECT PLAN	SHEET NO.  T-12
DATE	DESCRIPTION	DATE	DESCRIPTION				



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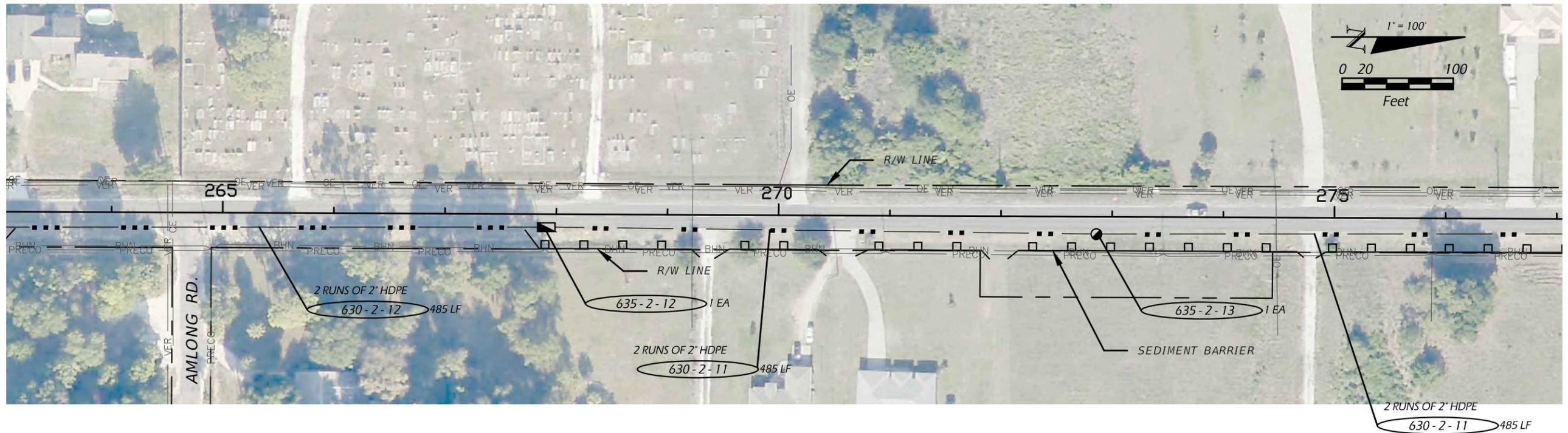
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 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370  
 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046



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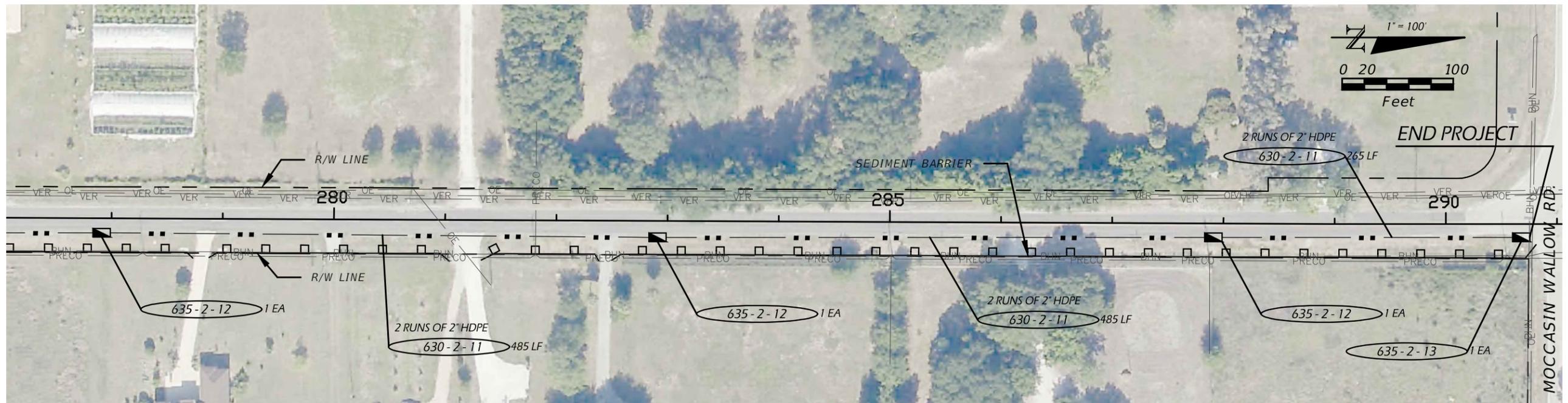
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 T-13



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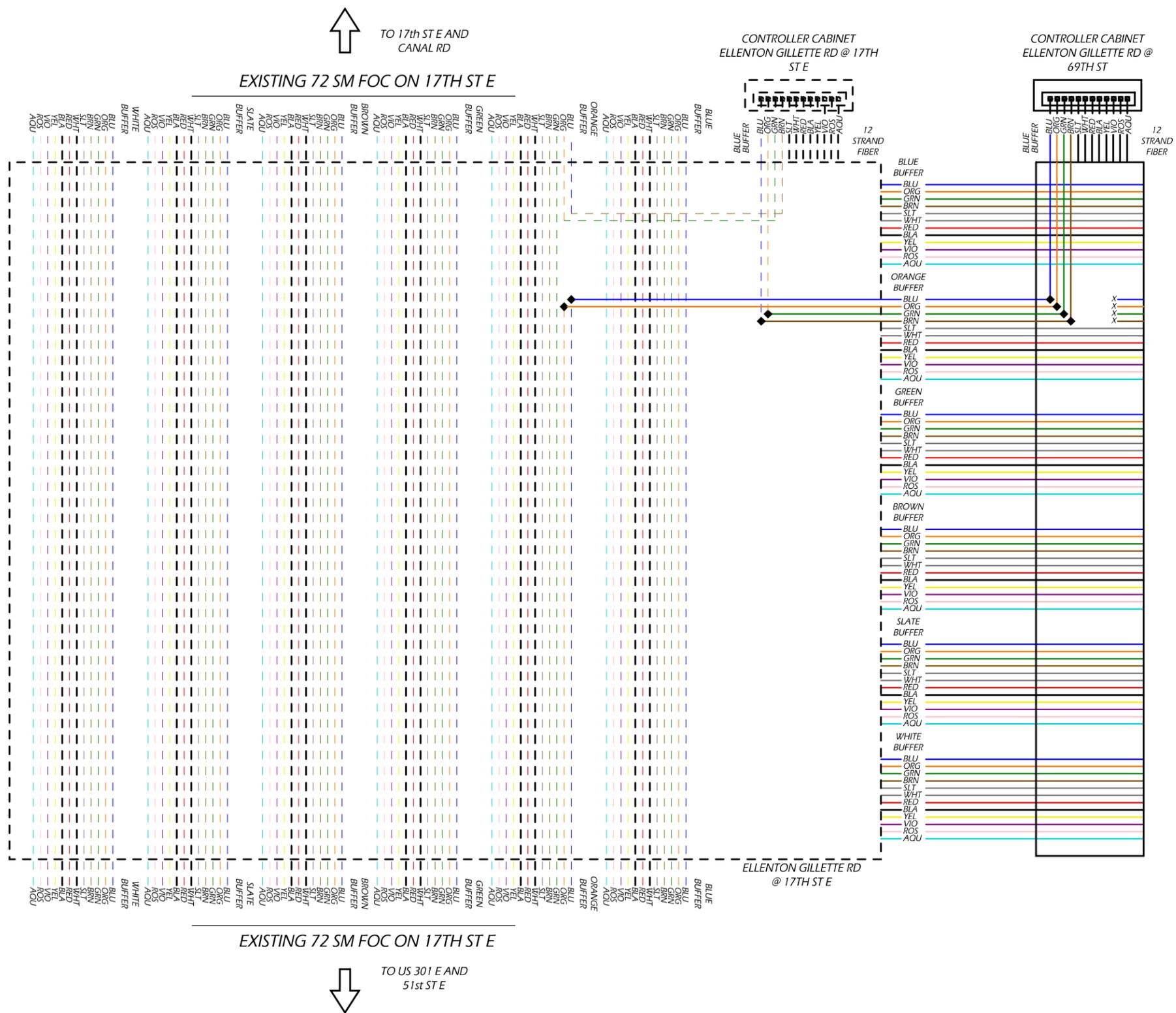
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 PUBLIC WORKS

INTERCONNECT PLAN

SHEET NO.  
 T-14

**LEGEND:**

- ◆ PROPOSED FUSION SPLICE
- X CAP



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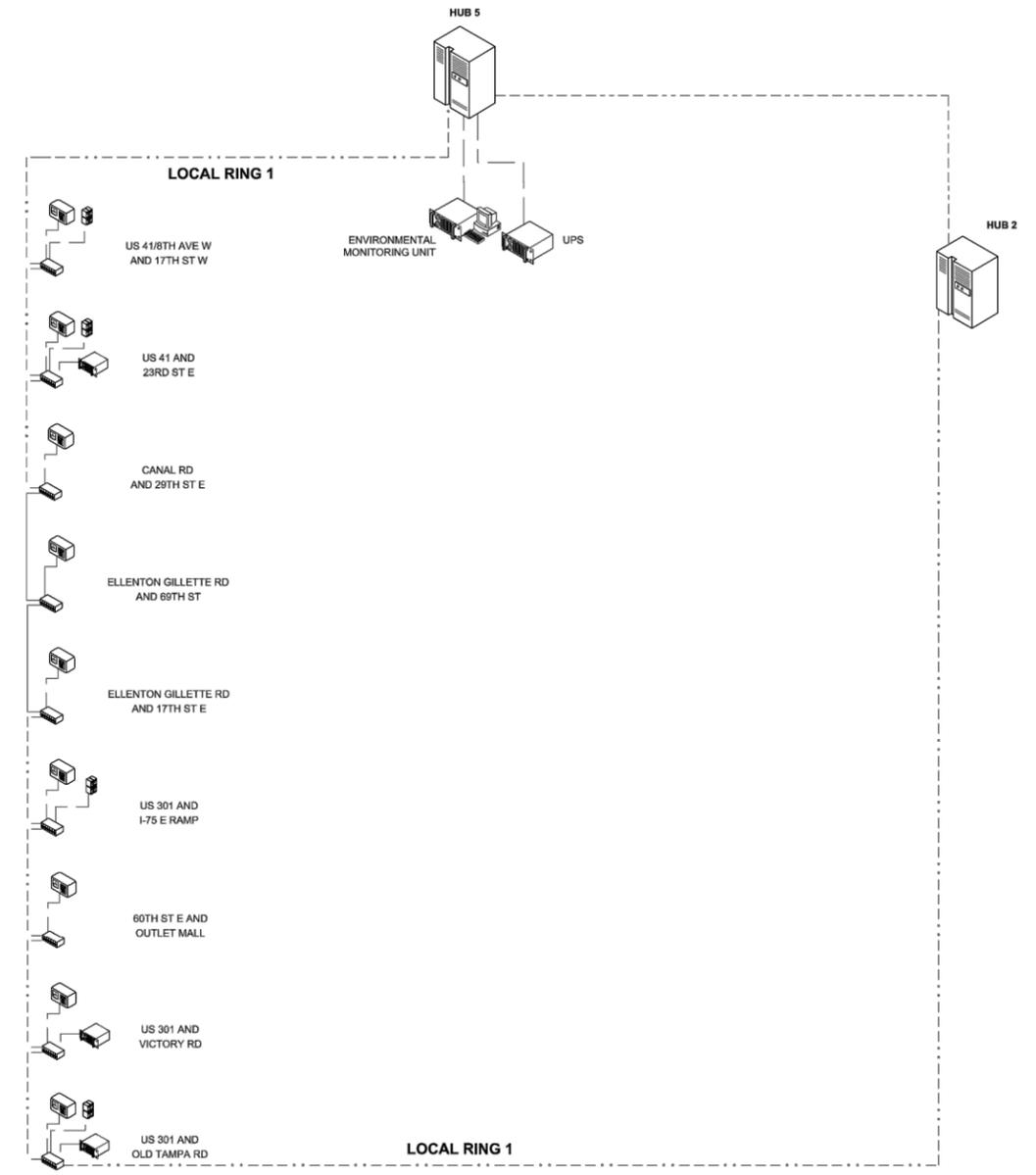
REVISIONS				INGENIUM ENTERPRISES 14499 NORTH DALE MABRY HIGHWAY SUITE 250 TAMPA, FLORIDA 33618 (813) 387-0084 FBPR CERTIFICATION OF AUTHORIZATION NO. 8370 ENGINEER OF RECORD: JEREMY PETTIT, P.E. No. 88046	 MANATEE COUNTY PUBLIC WORKS	SPLICING DIAGRAM	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				T-15

**FIELD DEVICES**

-  EXISTING CONTROLLER
-  EXISTING ETHERNET SWITCH
-  ETHERNET SWITCH

**LINK TYPES**

-  EXISTING 100 FX LINK
-  EXISTING 1000 FX LINK
-  100 FX LINK



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DATE	DESCRIPTION	DATE	DESCRIPTION				T-16