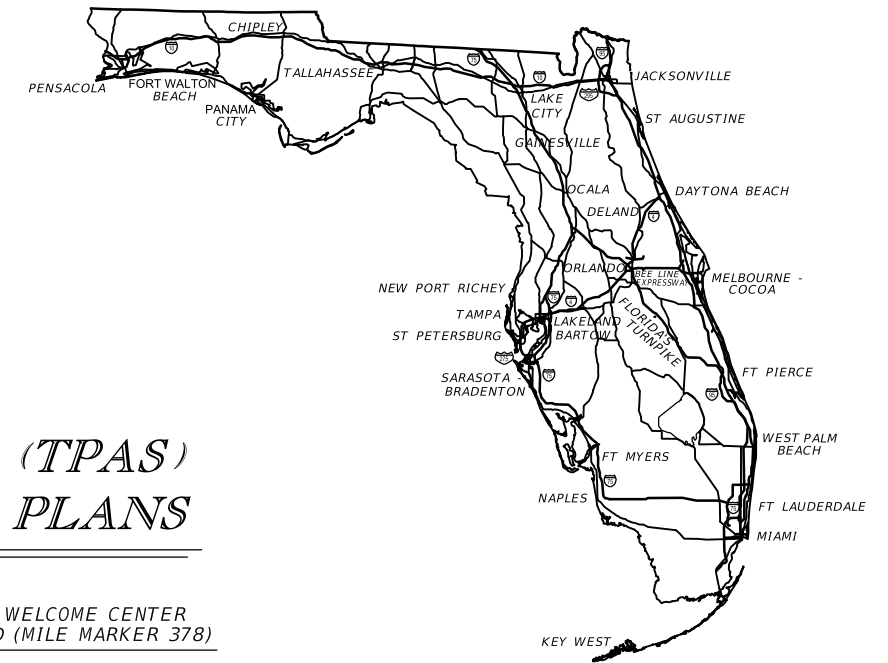


STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

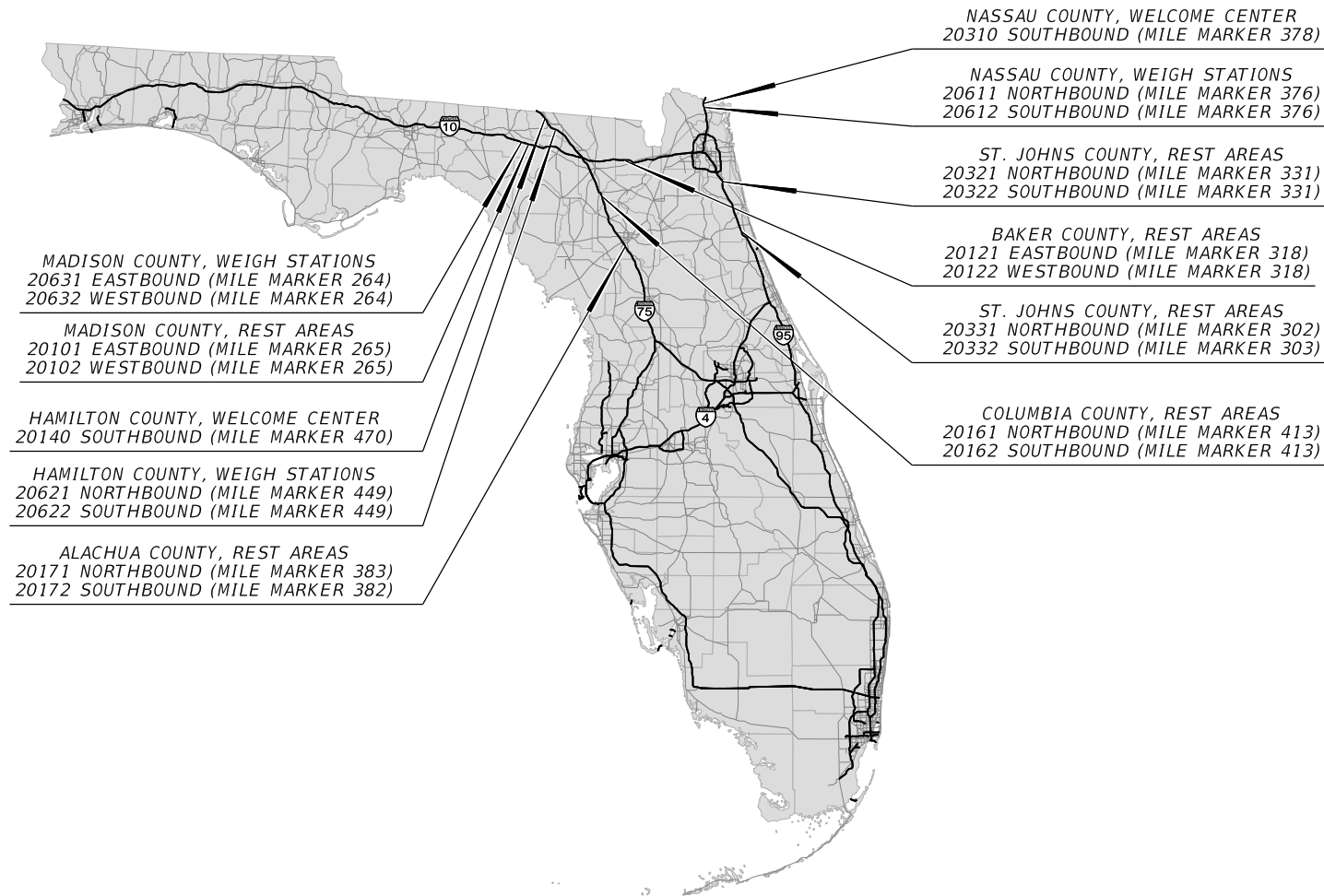
FINANCIAL PROJECT ID 440302-1-52-01
(FEDERAL FUNDS)



INDEX OF TPAS PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES
3	GUIDESIGN WORKSHEET
IT-01 TO IT-17A	ITS PLAN SHEETS

TRUCK PARKING AVAILABILITY SYSTEMS (TPAS)
INTELLIGENT TRANSPORTATION SYSTEM PLANS



ITS SHOP DRAWINGS
TO BE SUBMITTED TO:

50% PLANS PREPARED BY:

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

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2017 Design Standards and revised Index Drawings as appended herein, and 2017 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/DesignStandards>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/specificationsoffice/StandardSpecifications>

KEY SHEET REVISIONS	
DATE	DESCRIPTION

TRUCK PARKING AVAILABILITY
SYSTEMS (TPAS) PLANS
ENGINEER OF RECORD: _____

P.E. NO.: _____

FISCAL YEAR	SHEET NO.
17	1

FDOT PROJECT MANAGER:

GENERAL NOTES

1. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES, AND MARK-UPS FROM UTILITY OWNERS. ALL UTILITIES SHOULD BE CONSIDERED APPROXIMATE ONLY.
2. THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS LISTED THROUGH SUNSHINE STATE ONE CALL OF FLORIDA (811) TWO BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
3. FIBER OPTIC AND POWER PULL BOXES AND CONDUIT SHALL BE LOCATED WITHIN 100 FEET OF THE DEVICE THEY SUPPORT. ITS DEVICE LOCATIONS ARE APPROXIMATE AND MAY REQUIRE RELOCATION BY THE PROJECT ENGINEER. IF DEVICE RELOCATIONS OCCUR FOR ANY REASON, THE PULL BOXES AND CONDUIT SUPPORTING THAT DEVICE SHALL BE RELOCATED AND/OR EXTENDED.
4. INSTALL FIBER OPTIC CONDUIT FOR COMMUNICATION TO DEVICES AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH ALL FDOT STANDARDS FOR CONDUIT INSTALLATION. THE CONTRACTOR SHALL FURNISH AND INSTALL A TONE WIRE SYSTEM, DUCT PLUGS, CONDUIT COUPLERS AND CABLE ROUTE MARKERS IN ADDITION TO CONDUIT INSTALLATION.
5. THE CONDUIT SHALL BE SEALED WITH THE SPECIFIED DUCT PLUG AT THE TIME OF CONDUIT INSTALLATION AND AFTER FINAL FIBER INSTALLATION.
6. THE CONTRACTOR SHALL HAND DIG (SOFT DIG) TO A DEPTH OF FOUR (4) FEET WHERE UTILITIES ARE IN CONFLICT PRIOR TO USE OF A MECHANICAL AUGER. ANY POTENTIAL CONFLICTS SHALL BE REPORTED TO THE PROJECT ENGINEER IMMEDIATELY.

UTILITY OWNERS

AT&T
GREG JACOBSON
813-342-0512
gj1529@att.com
STEFAN ERIKSSON
407-578-8000

AT&T DISTRIBUTION
DINO FARRUGGIO
561-997-0240
df1979@att.com
RICK MARINO
321-695-6049
rx4884@att.com
SUNIL PARRAY
407-578-8000

CENTURY LINK
BILL MCCLLOUD
850-599-1444
william.mccloud@centurylink.com

CLAY ELECTRIC LAKE CITY DISTRICT
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386-867-1978
cwacha@clayelectric.com

COLUMBIA COUNTY
CHAD WILLIAMS
386-719-7565
chad_williams@columbiacountyfla.com

COMCAST CABLE COMMUNICATIONS INC
LIAM MCKENNA
904-380-7574
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COX CABLE ALACHUA
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352-337-2052
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DUKE ENERGY
SHARON DEAR
407-905-3321
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FLORIDA GAS TRANSMISSION
JOSEPH SANCHEZ
407-838-7171
joseph.e.sanchez@energytransfer.com

FLORIDA POWER & LIGHT -
ST JOHNS/NASSAU/MARTIN/
ST LUCIE/BREVARD/FLAGLER
TRACY STERN
386-329-5152
tracy.stern@fpl.com

GAINSVILLE REGIONAL UTILITIES Water, Sewer
BARBARA MISENER
352-393-1613
misenerbj@gru.com

GAINSVILLE REGIONAL UTILITIES - Fiber
MICHAEL CHAPPELL
352-393-6923
chappellmr@gru.com

GAINSVILLE REGIONAL UTILITIES - Electric
DARKO KOVAC
352-334-6063
gary.harrell@cox.com

JACKSONVILLE ELECTRIC AUTHORITY
DAVID MEANS/DINA GHEE-JEA Engineering
904-665-8410
gheedk@jea.com

OKEFENOKE RURAL ELECTRIC
TERRY TEMPLES
1800-262-5131 x3310
terry.temple@oremc.com
ROY SIKES
roy.sikes@oremc.com

ST JOHNS COUNTY UTILITY DEPT
LARRY MILLER
904-209-2624
lmiller@sjcfl.us

UTILITY OWNERS (CONTINUED)

SUWANNEE VALLEY ELECTRIC COOP
TREVOR TOUCHTON
386-362-2226 X5655
kellih@svec-coop.com

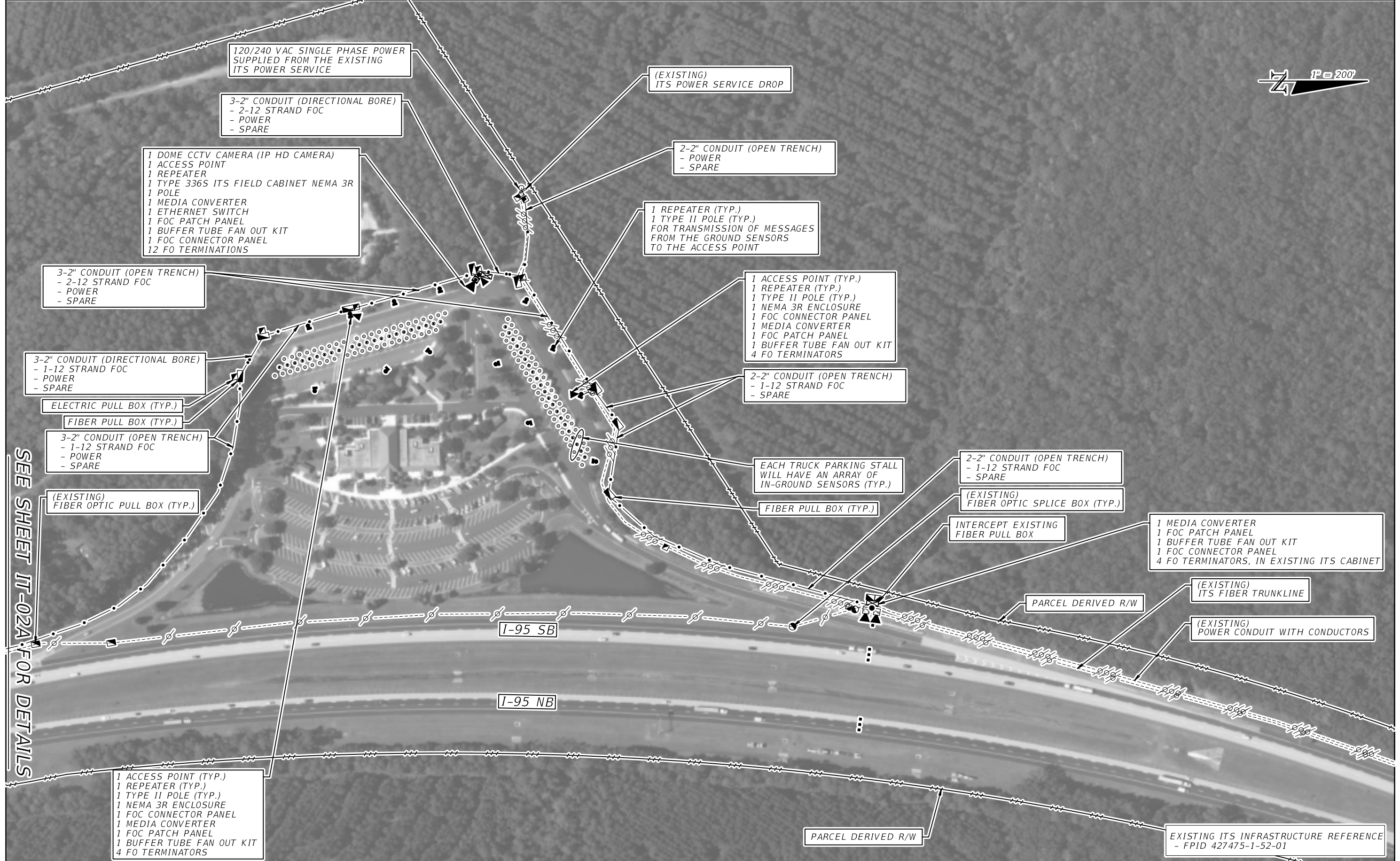
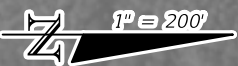
TRI-COUNTY ELECTRIC COOP
TREY BARRS
850-973-2285 X238
tbarrs@tcec.com

WINDSTREAM COMMUNICATION
LOCATE
800-289-1901
locate.desk@windstream.com

LEGEND

EXISTING	PROPOSED	
	⊙ ⊙ ⊙	GROUND SENSORS
	■	REPEATER
	◀	ACCESS POINT
	▨	DETECTION ZONE
		CCTV WITH POLE
		MVDS
		MULTI-POST STATIC SIGN W/ VMS PANEL
		BASE MOUNT CABINET
		POLE MOUNT CABINET
		PULL BOX
		FIBER OPTIC PULL BOX
		SPLICE VAULT
		POWER SERVICE
	•	POLE
		DMS
		WIM SYSTEM
— ● —		CONDUIT, OPEN TRENCH
— ●● —		CONDUIT, DIRECTIONAL BORE
--- ∅ ---		FIBER OPTIC RUN
--- ∅ ∅ ---		POWER RUN

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		
			FOR ILLUSTRATION PURPOSE ONLY		
				VARIES VARIES 440302-1-52-01	2



SEE SHEET IT-02A FOR DETAILS

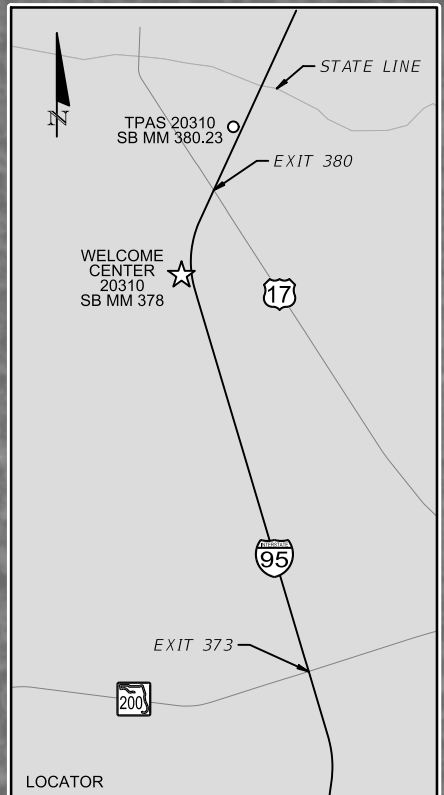
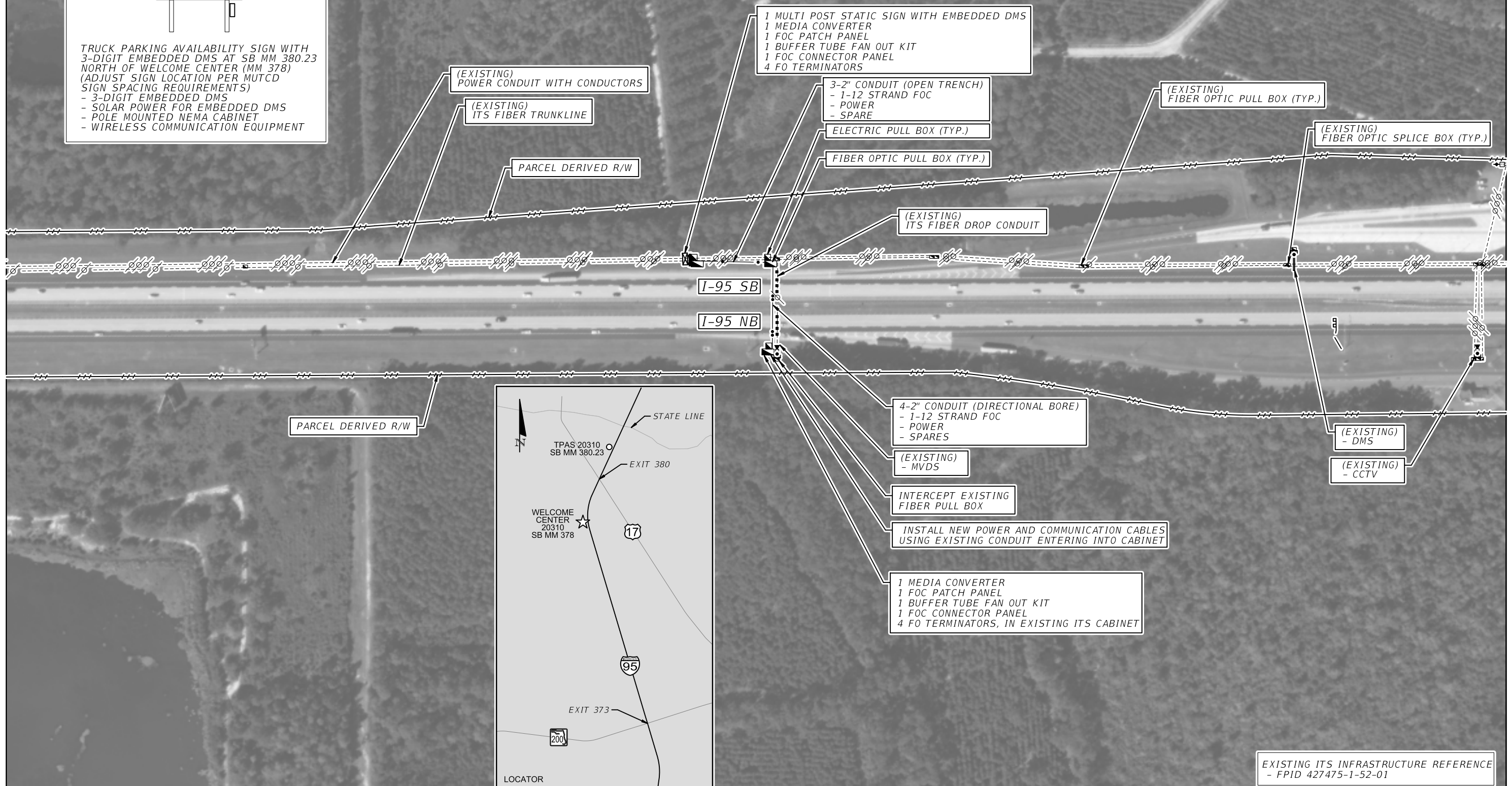
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM NASSAU COUNTY, FDOT DISTRICT 2 WELCOME CENTER 20310 (44 SPACES) SOUTHBOUND MILE MARKER 378	SHEET NO. IT-01
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-95	NASSAU	440302-1-52-01		

FOR ILLUSTRATION PURPOSE ONLY



TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 380.23 NORTH OF WELCOME CENTER (MM 378) (ADJUST SIGN LOCATION PER MUTCD SIGN SPACING REQUIREMENTS)

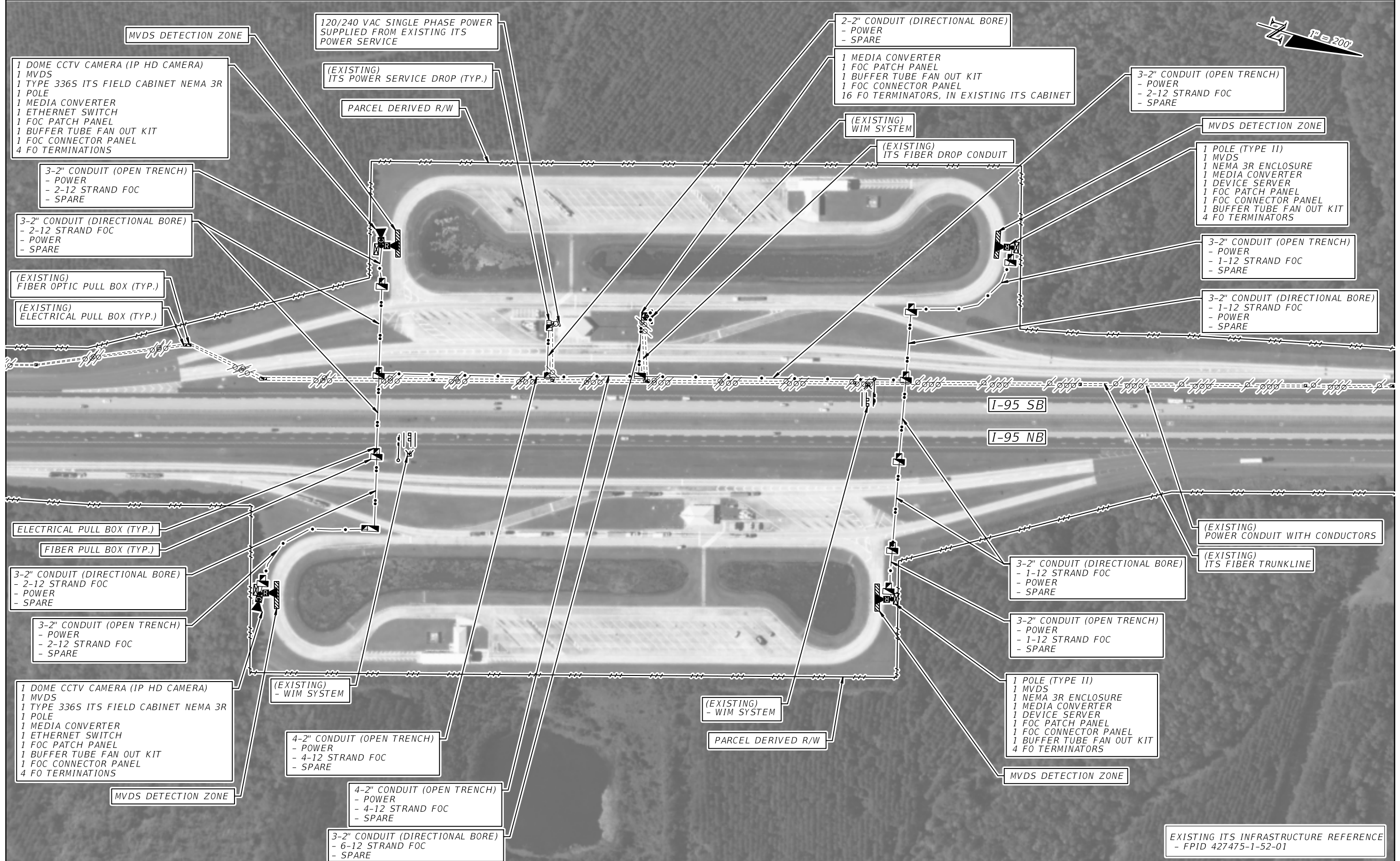
- 3-DIGIT EMBEDDED DMS
- SOLAR POWER FOR EMBEDDED DMS
- POLE MOUNTED NEMA CABINET
- WIRELESS COMMUNICATION EQUIPMENT



EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427475-1-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM NASSAU COUNTY, FDOT DISTRICT 2 TPAS SIGN 20310 SOUTHBOUND MILE MARKER 380.23	SHEET NO. IT-01A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-95	NASSAU	440302-1-52-01		

**FOR ILLUSTRATION
PURPOSE ONLY**

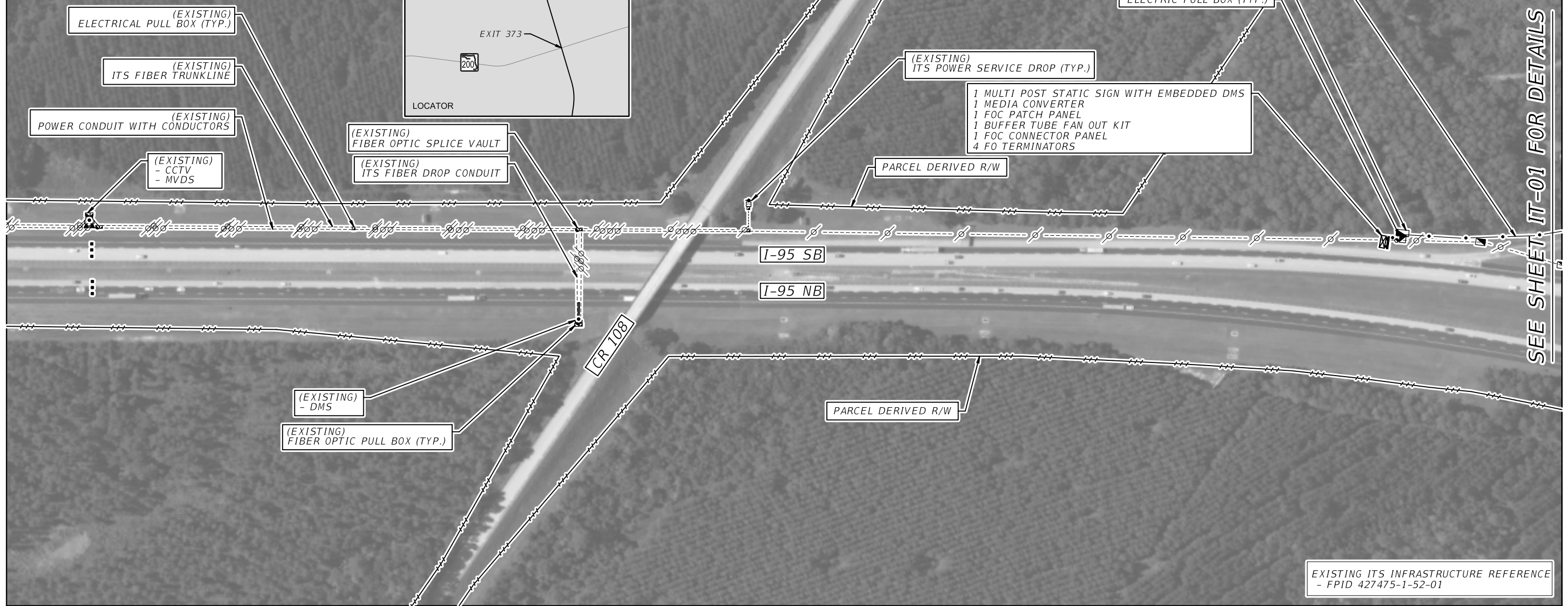
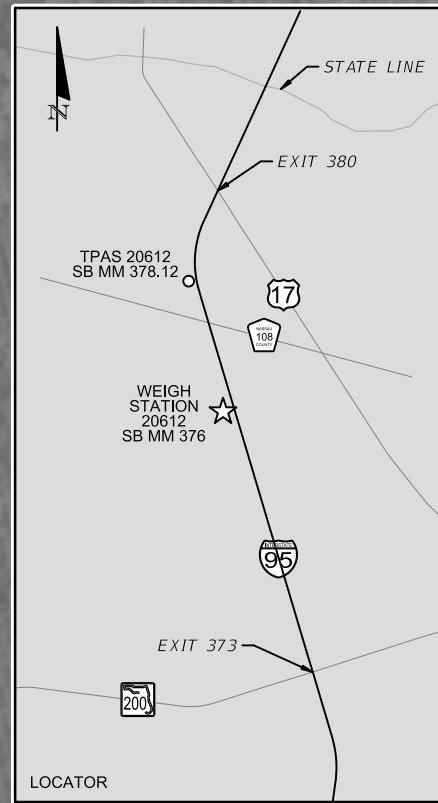


REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM NASSAU COUNTY, FDOT DISTRICT 2 WEIGH STATION 20611 (25 SPACES) NORTHBOUND MILE MARKER 376 WEIGH STATION 20612 (25 SPACES) SOUTHBOUND MILE MARKER 376	SHEET NO. IT-02
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
FOR ILLUSTRATION PURPOSE ONLY				I-95	NASSAU	440302-1-52-01		



TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 378.12 NORTH OF WEIGH STATION (MM 376) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- SOLAR POWER FOR EMBEDDED DMS
- POLE MOUNTED NEMA CABINET
- WIRELESS COMMUNICATION EQUIPMENT

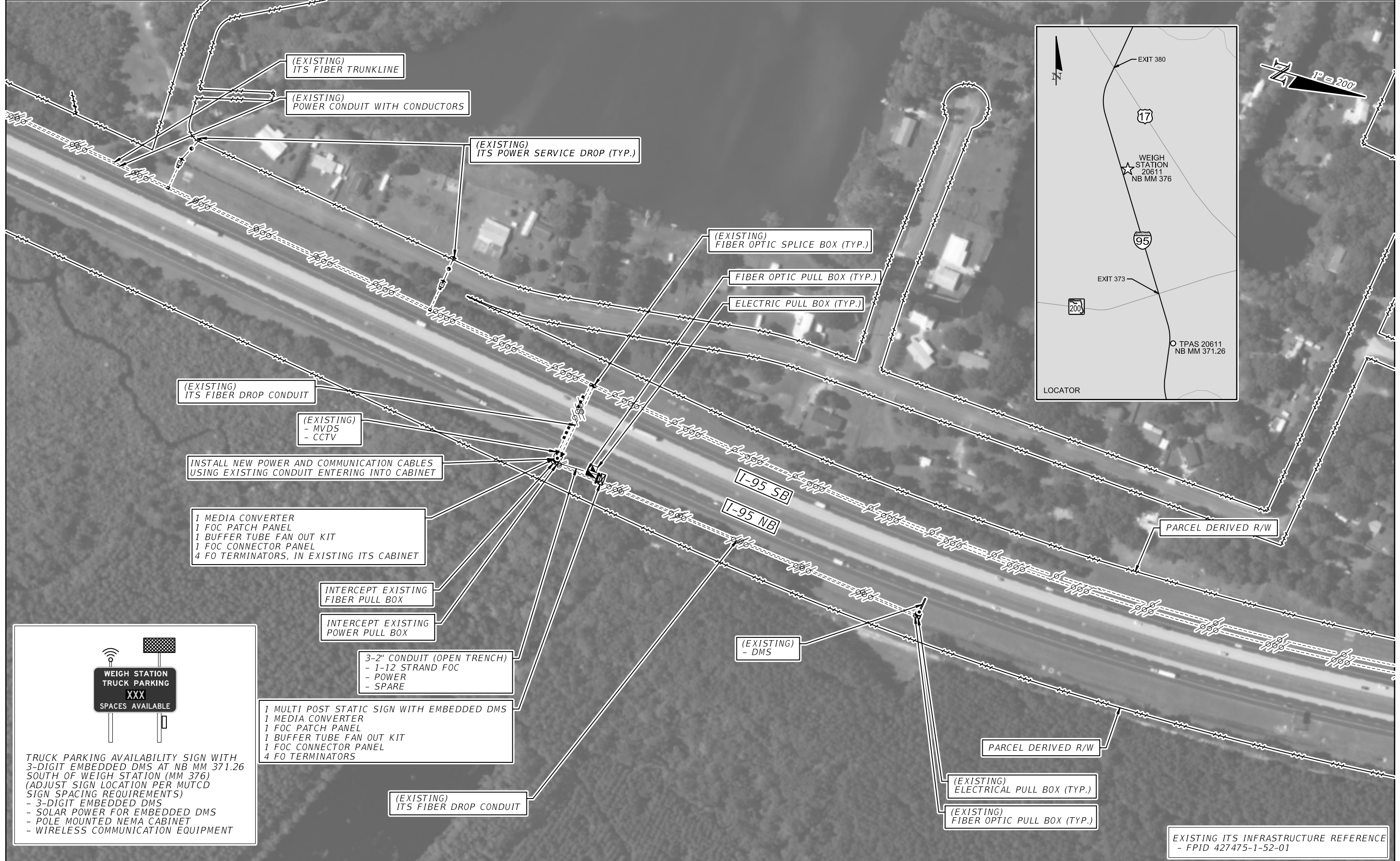


SEE SHEET IT-01 FOR DETAILS

EXISTING ITS INFRASTRUCTURE REFERENCE - FPID 427475-1-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM NASSAU COUNTY, FDOT DISTRICT 2 TPAS SIGN 20612 SOUTHBOUND MILE MARKER 378.12	SHEET NO. IT-02A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-95	NASSAU	440302-1-52-01		

FOR ILLUSTRATION PURPOSE ONLY



**WEIGH STATION
TRUCK PARKING
XXX
SPACES AVAILABLE**

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT NB MM 371.26 SOUTH OF WEIGH STATION (MM 376) (ADJUST SIGN LOCATION PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- SOLAR POWER FOR EMBEDDED DMS
- POLE MOUNTED NEMA CABINET
- WIRELESS COMMUNICATION EQUIPMENT

- (EXISTING) ITS FIBER TRUNKLINE
- (EXISTING) POWER CONDUIT WITH CONDUCTORS
- (EXISTING) ITS POWER SERVICE DROP (TYP.)
- (EXISTING) ITS FIBER DROP CONDUIT
- (EXISTING) - MVDS - CCTV
- INSTALL NEW POWER AND COMMUNICATION CABLES USING EXISTING CONDUIT ENTERING INTO CABINET
- 1 MEDIA CONVERTER
- 1 FOC PATCH PANEL
- 1 BUFFER TUBE FAN OUT KIT
- 1 FOC CONNECTOR PANEL
- 4 FO TERMINATORS, IN EXISTING ITS CABINET

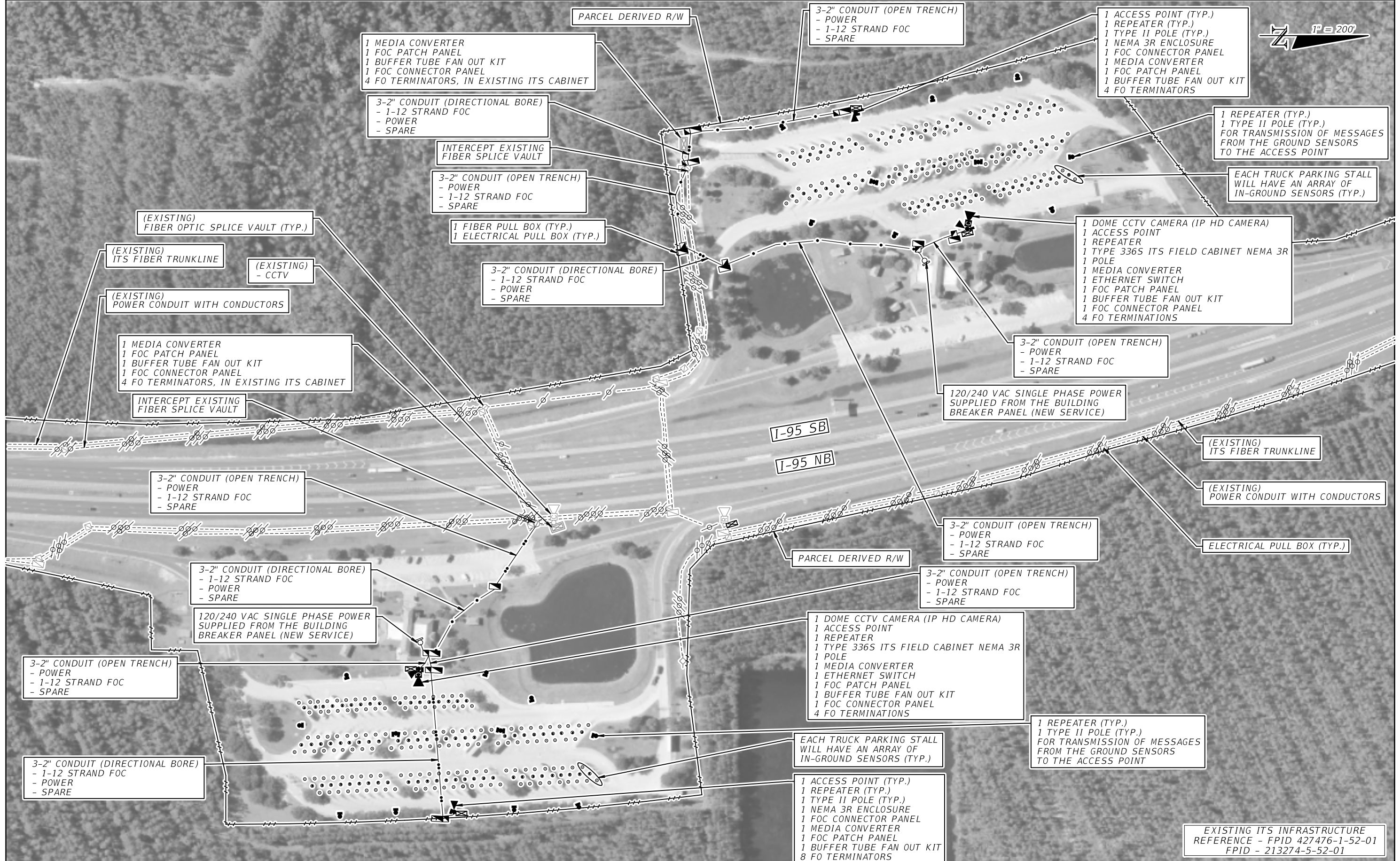
- INTERCEPT EXISTING FIBER PULL BOX
- INTERCEPT EXISTING POWER PULL BOX
- 3-2" CONDUIT (OPEN TRENCH)
 - 1-12 STRAND FOC
 - POWER
 - SPARE
- 1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
- 1 MEDIA CONVERTER
- 1 FOC PATCH PANEL
- 1 BUFFER TUBE FAN OUT KIT
- 1 FOC CONNECTOR PANEL
- 4 FO TERMINATORS

- (EXISTING) FIBER OPTIC SPLICE BOX (TYP.)
- FIBER OPTIC PULL BOX (TYP.)
- ELECTRIC PULL BOX (TYP.)

- (EXISTING) - DMS
- PARCEL DERIVED R/W
- (EXISTING) ELECTRICAL PULL BOX (TYP.)
- (EXISTING) FIBER OPTIC PULL BOX (TYP.)

EXISTING ITS INFRASTRUCTURE REFERENCE - FPID 427475-1-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM NASSAU COUNTY, FDOT DISTRICT 2 TPAS SIGN 20611 NORTHBOUND MILE MARKER 371.26	SHEET NO. IT-02B
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-95	NASSAU	440302-1-52-01		



EXISTING ITS INFRASTRUCTURE
REFERENCE - FPID 427476-1-52-01
FPID - 213274-5-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 REST AREA 20321 (73 SPACES) NORTHBOUND MILE MARKER 331 REST AREA 20322 (61 SPACES) SOUTHBOUND MILE MARKER 331	SHEET NO. IT-03
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-95	ST. JOHNS	440302-1-52-01		

REST AREA
TRUCK PARKING
XXX
SPACES AVAILABLE

EXISTING TRUCK PARKING AVAILABILITY SIGN
WITH 2-DIGIT EMBEDDED DMS AT NB MM 328.80
SOUTH OF REST AREA (MM 331)

REPLACE
- 2-DIGIT EMBEDDED DMS WITH
3-DIGIT EMBEDDED DMS



1" = 200'



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 TPAS SIGN 20321 NORTHBOUND MILE MARKER 328.80	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-03A
				I-95	ST. JOHNS	440302-1-52-01		

FOR ILLUSTRATION
PURPOSE ONLY



(EXISTING) ITS DEVICES
- MVDS
- CCTV

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INTERCEPT EXISTING FIBER
SPLICE VAULT

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1 -12 STRAND FOC
- SPARE

INSTALL NEW POWER AND COMMUNICATION CABLES
USING EXISTING CONDUIT ENTERING INTO CABINET

I-95 SB
I-95 NB

PARCEL DERIVED R/W

1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 334.13 NORTH OF REST AREA (MM 331) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)
- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

PARCEL DERIVED R/W

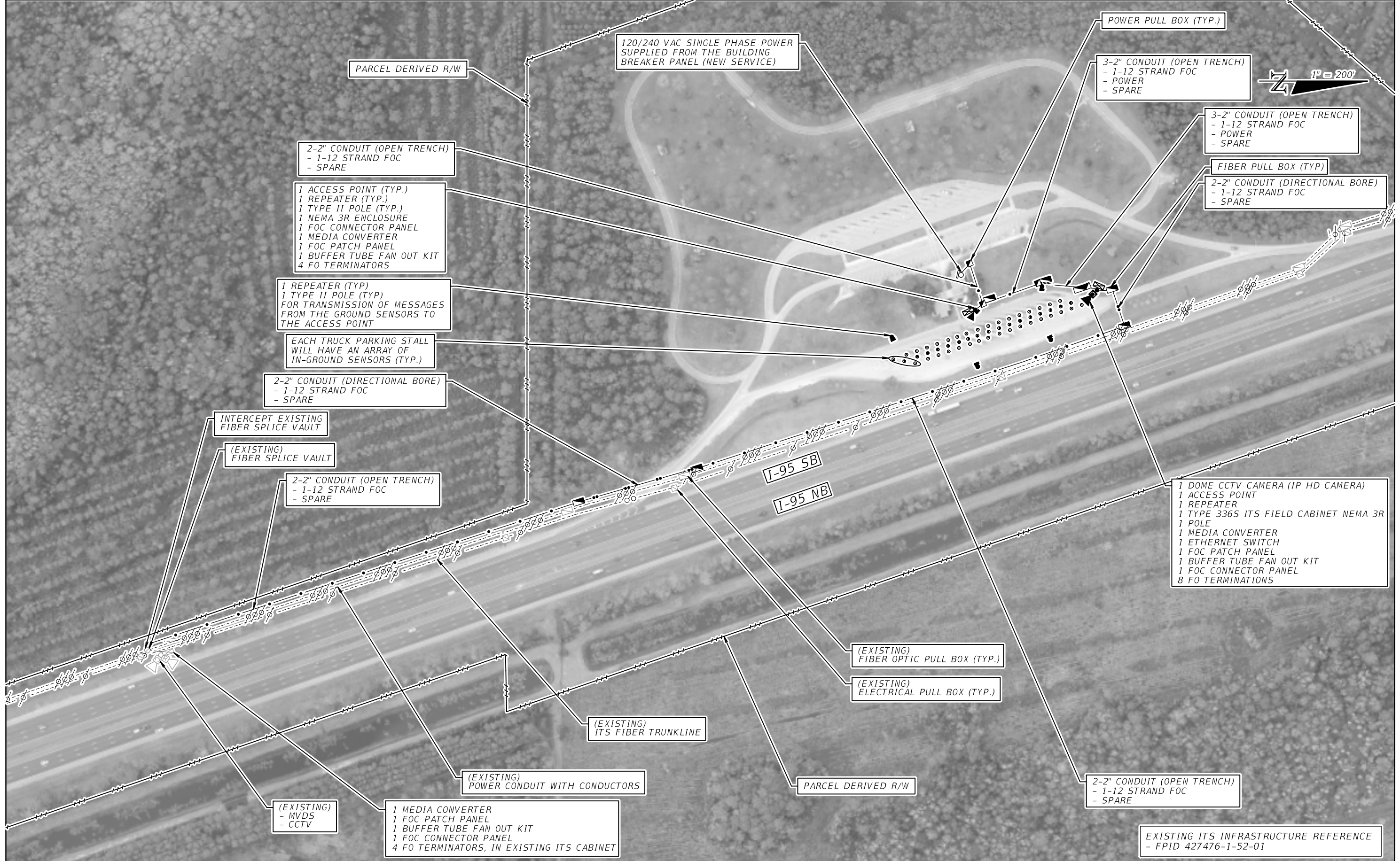
(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
FIBER OPTIC TRUNKLINE

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427476-1-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM DUVAL COUNTY, FDOT DISTRICT 2 TPAS SIGN 20322 SOUTHBOUND MILE MARKER 334.13	SHEET NO. IT-03B
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-95	DUVAL	440302-1-52-01		

FOR ILLUSTRATION
PURPOSE ONLY



120/240 VAC SINGLE PHASE POWER SUPPLIED FROM THE BUILDING BREAKER PANEL (NEW SERVICE)

PARCEL DERIVED R/W

2-2" CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- SPARE

1 ACCESS POINT (TYP.)
1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
1 NEMA 3R ENCLOSURE
1 FOC CONNECTOR PANEL
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES FROM THE GROUND SENSORS TO THE ACCESS POINT

EACH TRUCK PARKING STALL WILL HAVE AN ARRAY OF IN-GROUND SENSORS (TYP.)

2-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- SPARE

INTERCEPT EXISTING FIBER SPLICE VAULT

(EXISTING) FIBER SPLICE VAULT

2-2" CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- SPARE

I-95 SB

I-95 NB

1 DOME CCTV CAMERA (IP HD CAMERA)
1 ACCESS POINT
1 REPEATER
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 POLE
1 MEDIA CONVERTER
1 ETHERNET SWITCH
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
8 FO TERMINATIONS

(EXISTING) FIBER OPTIC PULL BOX (TYP.)

(EXISTING) ELECTRICAL PULL BOX (TYP.)

(EXISTING) ITS FIBER TRUNKLINE

(EXISTING) POWER CONDUIT WITH CONDUCTORS

PARCEL DERIVED R/W

(EXISTING)
- MVDS
- CCTV

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

2-2" CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- SPARE

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427476-1-52-01

REVISIONS				FOR ILLUSTRATION PURPOSE ONLY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 REST AREA 20332 (18 SPACES) SOUTHBOUND MILE MARKER 303	SHEET NO. IT-04
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					I-95	ST. JOHNS	440302-1-52-01		

1" = 200'

REST AREA TRUCK PARKING XXX SPACES AVAILABLE

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 306.65 NORTH OF REST AREA (MM 303) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET



3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1 -12 STRAND FOC
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1 -12 STRAND FOC
- SPARE

INTERCEPT EXISTING POWER PULL BOX

INTERCEPT EXISTING FIBER SPLICE VAULT

ELECTRIC PULL BOX (TYP.)

I-95 SB
I-95 NB

FIBER OPTIC PULL BOX (TYP.)

1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS

PARCEL DERIVED R/W

(EXISTING) ELECTRICAL PULL BOX

(EXISTING) FIBER OPTIC SPLICE BOX (TYP.)

(EXISTING) FIBER OPTIC TRUNKLINE

(EXISTING) POWER CONDUIT WITH CONDUCTORS

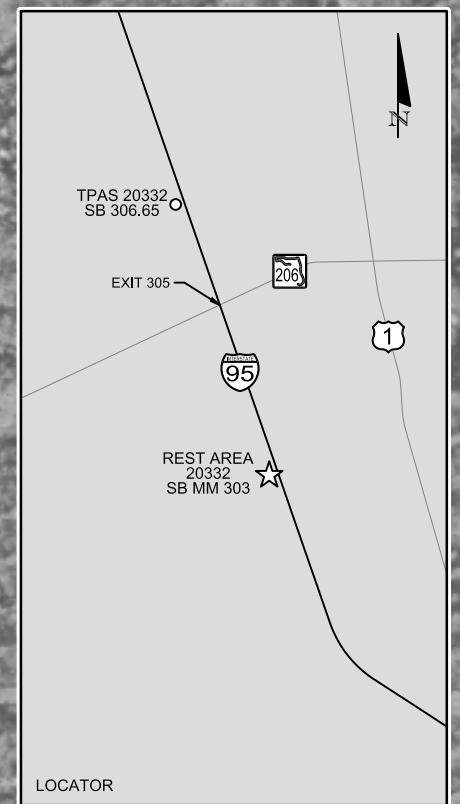
(EXISTING) FIBER OPTIC PULL BOX (TYP.)

PARCEL DERIVED R/W

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INSTALL NEW POWER AND COMMUNICATION CABLES USING EXISTING CONDUIT ENTERING INTO CABINET

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427476-1-52-01



REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 TPAS SIGN 20332 SOUTHBOUND MILE MARKER 306.65	SHEET NO. IT-04A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-95	ST. JOHNS	440302-1-52-01		



2-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- SPARE

1 DOME CCTV CAMERA (IP HD CAMERA)
1 ACCESS POINT
1 REPEATER
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 POLE
1 MEDIA CONVERTER
1 ETHERNET SWITCH
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
8 FO TERMINATIONS

1 ACCESS POINT (TYP.)
1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
1 NEMA 3R ENCLOSURE
1 FOC CONNECTOR PANEL
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

(EXISTING)
ITS FIBER TRUNKLINE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

EACH TRUCK PARKING STALL
WILL HAVE AN ARRAY OF
IN-GROUND SENSORS (TYP.)

1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES
FROM THE GROUND SENSORS
TO THE ACCESS POINT

INSTALL NEW COMMUNICATION
CABLE USING EXISTING CONDUIT
ENTERING INTO EXISTING CABINET

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INTERCEPT EXISTING
FIBER SPLICE VAULT

(EXISTING)
FIBER SPLICE VAULT

PARCEL DERIVED R/W

FIBER PULL BOX (TYP.)

2-2" CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- SPARE

PARCEL DERIVED R/W

(EXISTING) ITS DEVICES
- MVDS
- CCTV

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

120/240 VAC SINGLE PHASE POWER
SUPPLIED FROM THE BUILDING
BREAKER PANEL (NEW SERVICE)

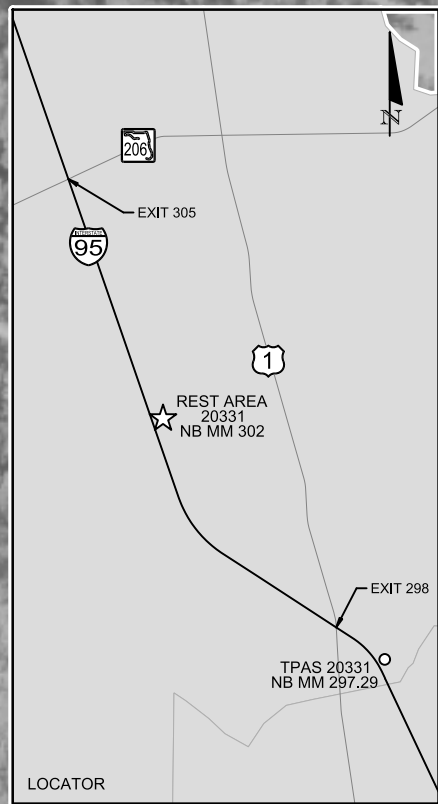
ELECTRICAL PULL BOX (TYP.)

2-2" CONDUIT (OPEN TRENCH)
- POWER
- SPARE

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427476-1-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 REST AREA 20331 (14 SPACES) NORTHBOUND MILE MARKER 302	SHEET NO. IT-05
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				1-95	ST. JOHNS	440302-1-52-01		

FOR ILLUSTRATION
PURPOSE ONLY



3-2" CONDUIT (OPEN TRENCH)
 - POWER
 - 1-12 STRAND FOC
 - SPARE

INSTALL NEW POWER AND COMMUNICATION CABLES
 USING EXISTING CONDUIT ENTERING INTO CABINET

INTERCEPT EXISTING
 FIBER SPLICE VAULT

INTERCEPT EXISTING
 POWER PULL BOX

(EXISTING)
 - CCTV
 - MVDS

(EXISTING)
 POWER CONDUIT WITH CONDUCTORS

(EXISTING)
 ITS FIBER TRUNKLINE

PARCEL DERIVED R/W

1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATORS, IN EXISTING ITS CABINET

ELECTRIC PULL BOX (TYP.)

FIBER OPTIC PULL BOX (TYP.)

PARCEL DERIVED R/W

I-95 SB
 I-95 NB

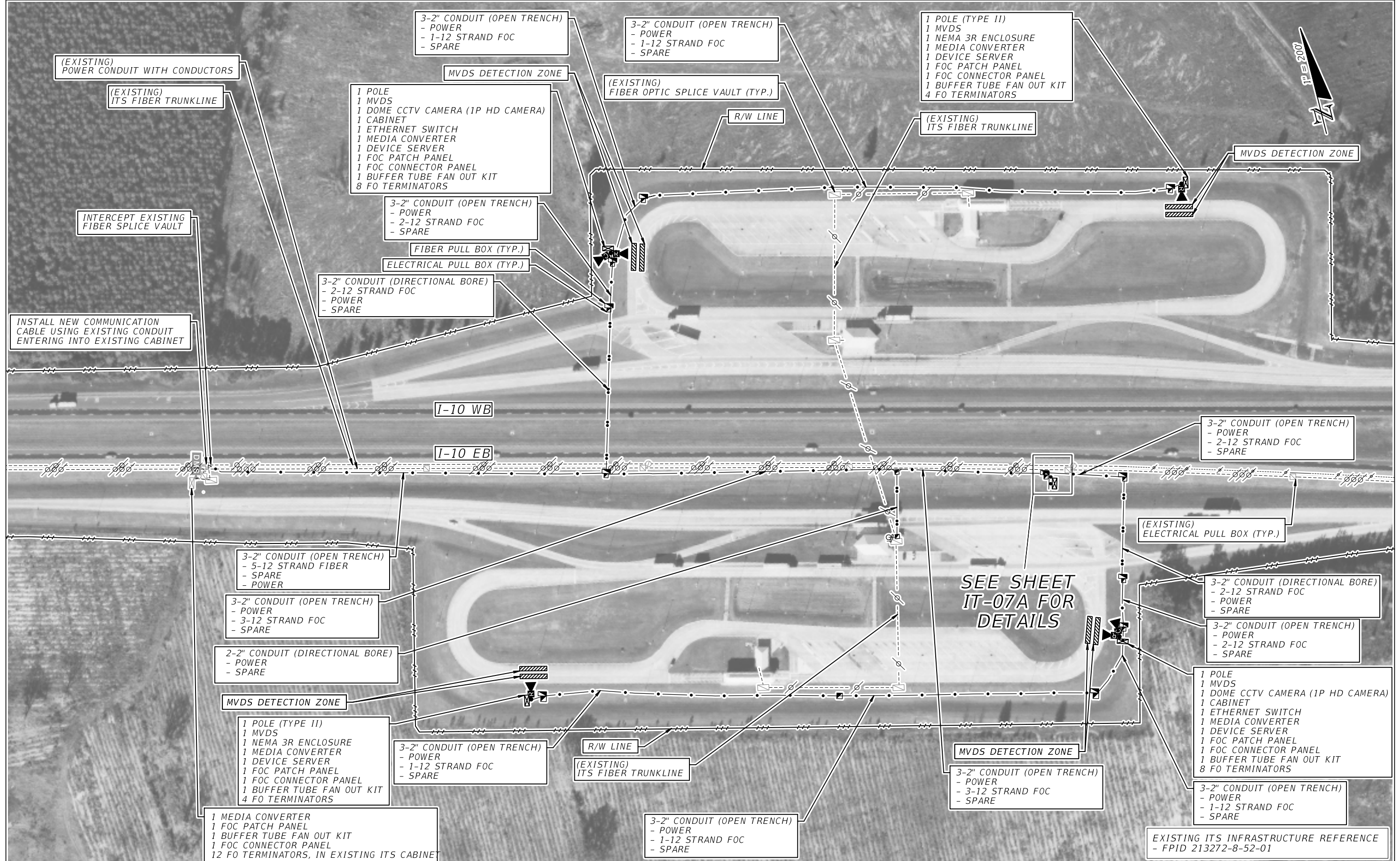
1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
 1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATORS

EXISTING ITS INFRASTRUCTURE REFERENCE
 - FPID 427476-1-52-01

**REST AREA
 TRUCK PARKING
 XXX
 SPACES AVAILABLE**

TRUCK PARKING AVAILABILITY SIGN WITH
 3-DIGIT EMBEDDED DMS AT NB MM 297.29
 SOUTH OF REST AREA (MM 302)
 (ADJUST SIGN LOCATIONS PER MUTCD
 SIGN SPACING REQUIREMENTS)
 - 3-DIGIT EMBEDDED DMS
 - POWER FROM NEAREST ITS CABINET
 - POLE MOUNTED NEMA CABINET
 - COMMUNICATION FROM NEAREST ITS CABINET

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ST. JOHNS COUNTY, FDOT DISTRICT 2 TPAS SIGN 20331 NORTHBOUND MILE MARKER 297.29	SHEET NO. IT-05A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
FOR ILLUSTRATION PURPOSE ONLY				I-95	ST. JOHNS	440302-1-52-01		



(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
ITS FIBER TRUNKLINE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

1 POLE (TYPE II)
1 MVDS
1 NEMA 3R ENCLOSURE
1 MEDIA CONVERTER
1 DEVICE SERVER
1 FOC PATCH PANEL
1 FOC CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

1 POLE
1 MVDS
1 DOME CCTV CAMERA (1P HD CAMERA)
1 CABINET
1 ETHERNET SWITCH
1 MEDIA CONVERTER
1 DEVICE SERVER
1 FOC PATCH PANEL
1 FOC CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
8 FO TERMINATORS

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 2-12 STRAND FOC
- SPARE

FIBER PULL BOX (TYP.)

ELECTRICAL PULL BOX (TYP.)

3-2" CONDUIT (DIRECTIONAL BORE)
- 2-12 STRAND FOC
- POWER
- SPARE

INTERCEPT EXISTING
FIBER SPLICE VAULT

INSTALL NEW COMMUNICATION
CABLE USING EXISTING CONDUIT
ENTERING INTO EXISTING CABINET

I-10 WB

I-10 EB

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 2-12 STRAND FOC
- SPARE

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

3-2" CONDUIT (OPEN TRENCH)
- 5-12 STRAND FIBER
- SPARE
- POWER

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 3-12 STRAND FOC
- SPARE

2-2" CONDUIT (DIRECTIONAL BORE)
- POWER
- SPARE

MVDS DETECTION ZONE

1 POLE (TYPE II)
1 MVDS
1 NEMA 3R ENCLOSURE
1 MEDIA CONVERTER
1 DEVICE SERVER
1 FOC PATCH PANEL
1 FOC CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

R/W LINE

(EXISTING)
ITS FIBER TRUNKLINE

SEE SHEET
IT-07A FOR
DETAILS

3-2" CONDUIT (DIRECTIONAL BORE)
- 2-12 STRAND FOC
- POWER
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 2-12 STRAND FOC
- SPARE

1 POLE
1 MVDS
1 DOME CCTV CAMERA (1P HD CAMERA)
1 CABINET
1 ETHERNET SWITCH
1 MEDIA CONVERTER
1 DEVICE SERVER
1 FOC PATCH PANEL
1 FOC CONNECTOR PANEL
1 BUFFER TUBE FAN OUT KIT
8 FO TERMINATORS

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
12 FO TERMINATORS, IN EXISTING ITS CABINET

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 3-12 STRAND FOC
- SPARE

MVDS DETECTION ZONE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
FOR ILLUSTRATION PURPOSE ONLY			

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-10	MADISON	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM MADISON COUNTY, FDOT DISTRICT 2 WEIGH STATION 20631 (20 SPACES) EASTBOUND MILE MARKER 264 WEIGH STATION 20632 (20 SPACES) WESTBOUND MILE MARKER 264	SHEET NO. IT-06
--	------------------------



(EXISTING)
FIBER OPTIC SPLICE BOX (TYP.)

INTERCEPT EXISTING
POWER PULL BOX

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

FIBER OPTIC PULL BOX (TYP.)

ELECTRIC PULL BOX (TYP.)

(EXISTING)
- MVDS
- CCTV

PARCEL DERIVED
R/W LINE

I-10 WB

I-10 EB

(EXISTING)
ITS FIBER TRUNKLINE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

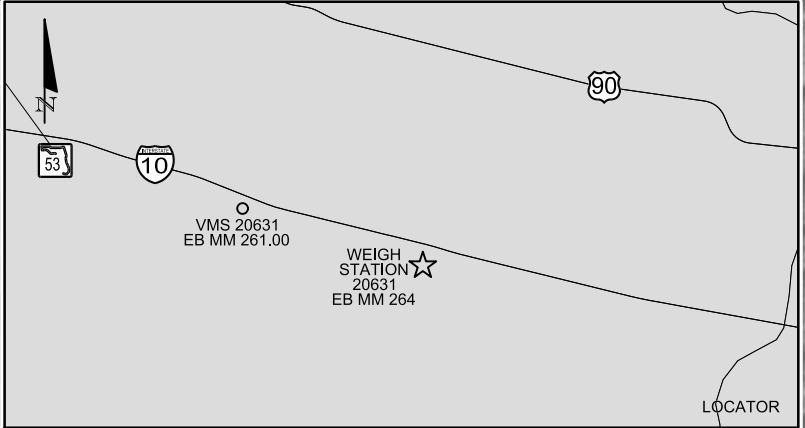
1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS

PARCEL DERIVED
R/W LINE

INSTALL NEW POWER AND COMMUNICATION CABLES
USING EXISTING CONDUIT ENTERING INTO CABINET

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INTERCEPT EXISTING
FIBER PULL BOX



TRUCK PARKING AVAILABILITY SIGN WITH
3-DIGIT EMBEDDED DMS AT EB MM 261.00
WEST OF WEIGH STATION 20631 (MM 264)
(ADJUST SIGN LOCATIONS PER MUTCD
SIGN SPACING REQUIREMENTS)
- 3-DIGIT EMBEDDED DMS
- POWER FROM SOLAR PANEL
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS SPLICE VAULT

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

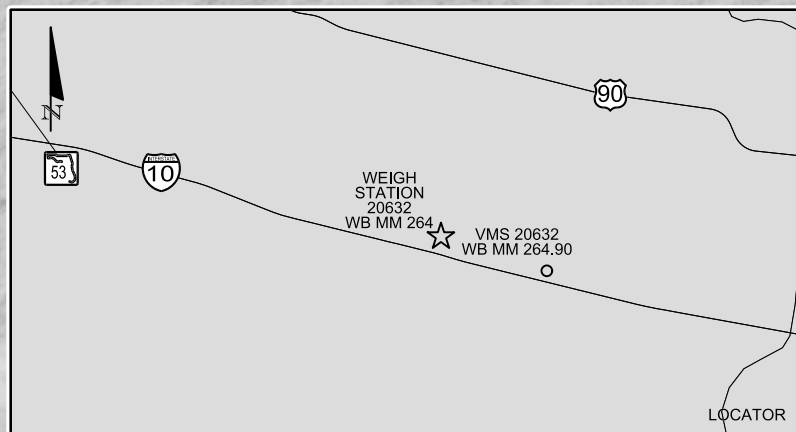
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM MADISON COUNTY, FDOT DISTRICT 2 TPAS SIGN 20631 EASTBOUND MILE MARKER 261.00	SHEET NO. IT-06A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-10	MADISON	440302-1-52-01		

**FOR ILLUSTRATION
PURPOSE ONLY**

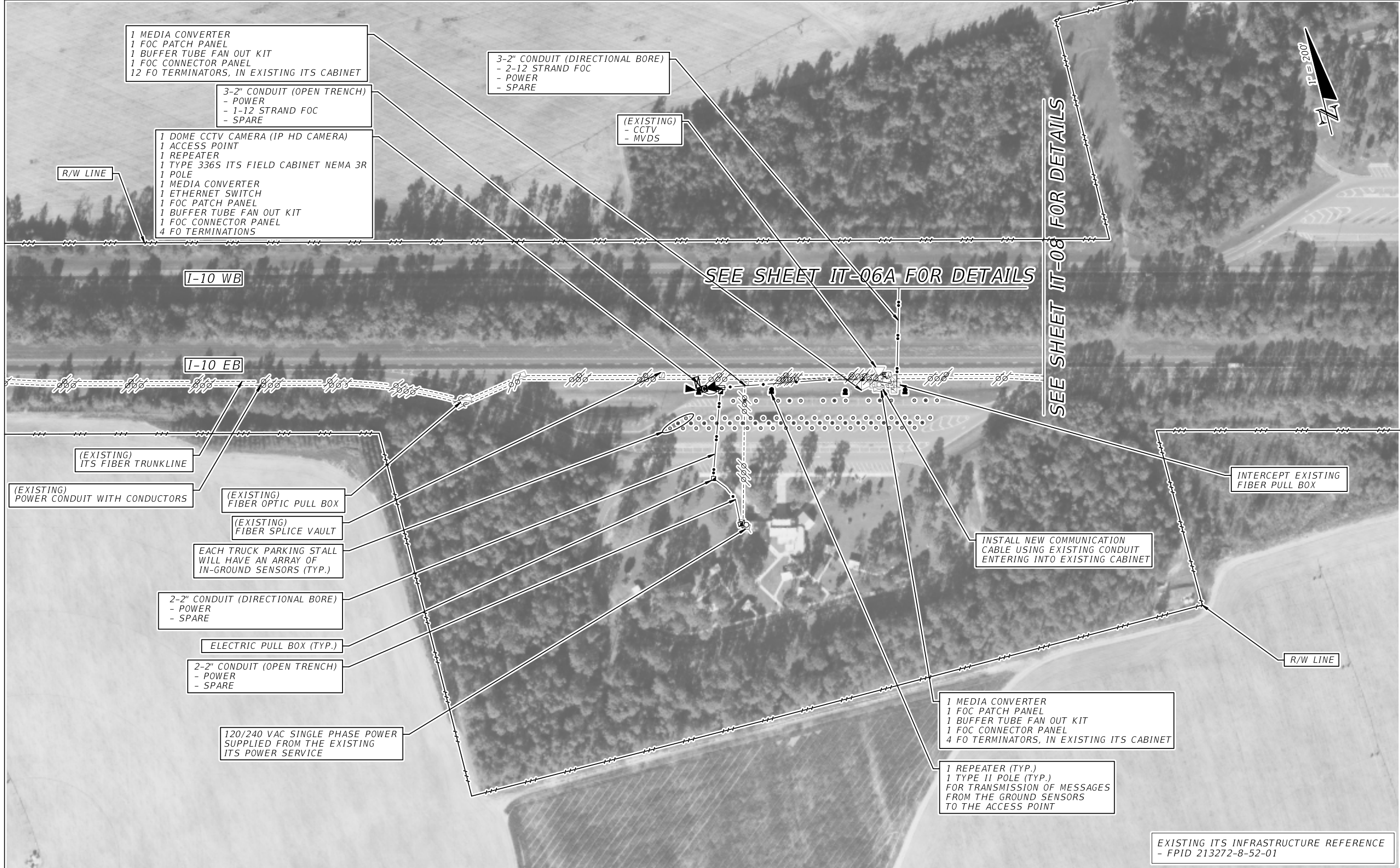


TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT WB MM 264.90 EAST OF WEIGH STATION 20632 (MM 264) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM SOLAR PANEL
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS SPLICE VAULT



REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM MADISON COUNTY, FDOT DISTRICT 2 TPAS SIGN 20632 WESTBOUND MILE MARKER 264.90	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		IT-06B
			FOR ILLUSTRATION PURPOSE ONLY	I-10	MADISON	440302-1-52-01		



1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 12 FO TERMINATORS, IN EXISTING ITS CABINET

3-2" CONDUIT (OPEN TRENCH)
 - POWER
 - 1-12 STRAND FOC
 - SPARE

3-2" CONDUIT (DIRECTIONAL BORE)
 - 2-12 STRAND FOC
 - POWER
 - SPARE

(EXISTING)
 - CCTV
 - MVDS

1 DOME CCTV CAMERA (IP HD CAMERA)
 1 ACCESS POINT
 1 REPEATER
 1 TYPE 336S ITS FIELD CABINET NEMA 3R
 1 POLE
 1 MEDIA CONVERTER
 1 ETHERNET SWITCH
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATIONS

R/W LINE

I-10 WB

SEE SHEET IT-06A FOR DETAILS

SEE SHEET IT-08 FOR DETAILS

I-10 EB

(EXISTING)
 ITS FIBER TRUNKLINE

(EXISTING)
 POWER CONDUIT WITH CONDUCTORS

(EXISTING)
 FIBER OPTIC PULL BOX

(EXISTING)
 FIBER SPLICE VAULT

EACH TRUCK PARKING STALL
 WILL HAVE AN ARRAY OF
 IN-GROUND SENSORS (TYP.)

2-2" CONDUIT (DIRECTIONAL BORE)
 - POWER
 - SPARE

ELECTRIC PULL BOX (TYP.)

2-2" CONDUIT (OPEN TRENCH)
 - POWER
 - SPARE

120/240 VAC SINGLE PHASE POWER
 SUPPLIED FROM THE EXISTING
 ITS POWER SERVICE

INSTALL NEW COMMUNICATION
 CABLE USING EXISTING CONDUIT
 ENTERING INTO EXISTING CABINET

INTERCEPT EXISTING
 FIBER PULL BOX

R/W LINE

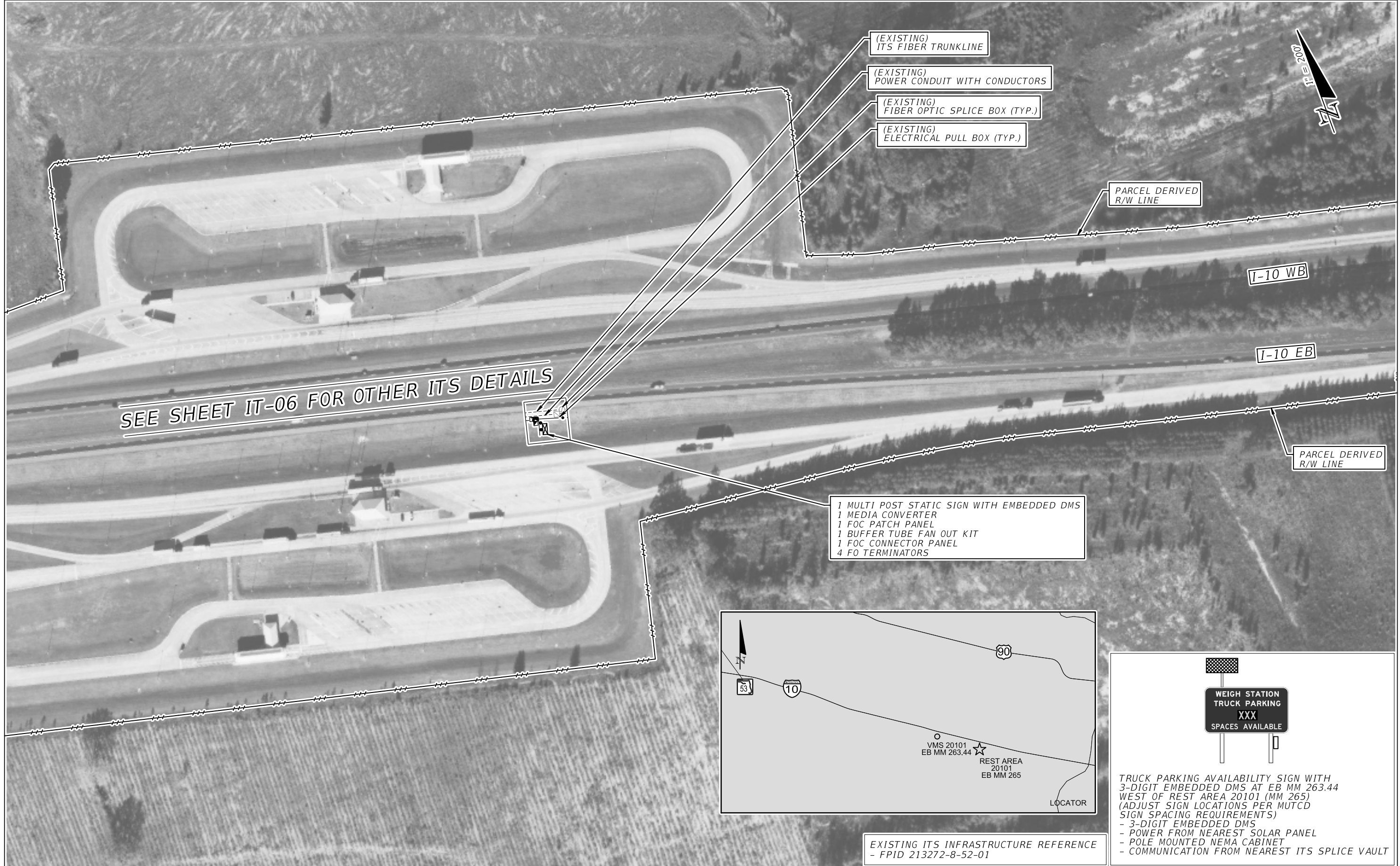
1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATORS, IN EXISTING ITS CABINET

1 REPEATER (TYP.)
 1 TYPE 11 POLE (TYP.)
 FOR TRANSMISSION OF MESSAGES
 FROM THE GROUND SENSORS
 TO THE ACCESS POINT

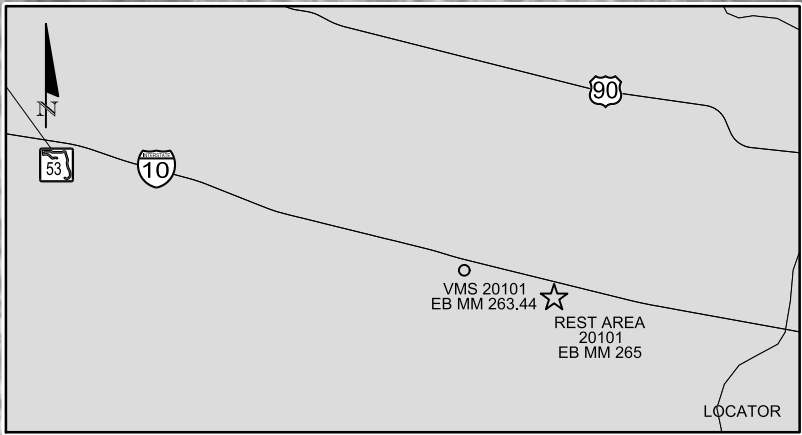
EXISTING ITS INFRASTRUCTURE REFERENCE
 - FPID 213272-8-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM MADISON COUNTY, FDOT DISTRICT 2 REST AREA 20101 (20 SPACES) EASTBOUND MILE MARKER 265	SHEET NO. IT-07
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-10	MADISON	440302-1-52-01		

FOR ILLUSTRATION
 PURPOSE ONLY



SEE SHEET IT-06 FOR OTHER ITS DETAILS



TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT EB MM 263.44 WEST OF REST AREA 20101 (MM 265) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST SOLAR PANEL
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS SPLICE VAULT

EXISTING ITS INFRASTRUCTURE REFERENCE - FPID 213272-8-52-01

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FOR ILLUSTRATION PURPOSE ONLY

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-10	MADISON	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM
MADISON COUNTY, FDOT DISTRICT 2
TPAS SIGN 20101
EASTBOUND MILE MARKER 263.44

SHEET NO.
IT-07A



- 1 DOME CCTV CAMERA (IP HD CAMERA)
- 1 ACCESS POINT
- 1 REPEATER
- 1 TYPE 336S ITS FIELD CABINET NEMA 3R
- 1 POLE
- 1 MEDIA CONVERTER
- 1 ETHERNET SWITCH
- 1 FOC PATCH PANEL
- 1 BUFFER TUBE FAN OUT KIT
- 1 FOC CONNECTOR PANEL
- 4 FO TERMINATIONS

- 3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

- 3-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- POWER
- SPARE

ELECTRIC PULL BOX (TYP.)

FIBER PULL BOX (TYP.)

- 3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

SEE SHEET IT-07 & IT-06A FOR DETAILS

I-10 WB

I-10 EB

(EXISTING)
- MVDS
- CCTV

(EXISTING)
FIBER SPLICE VAULT

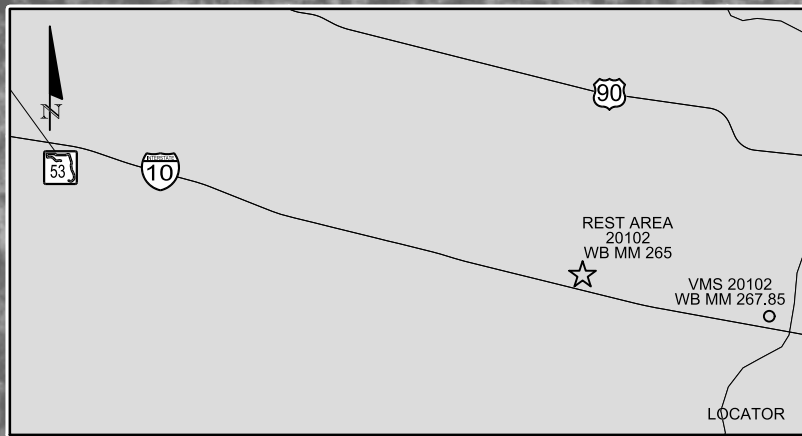
(EXISTING)
ITS FIBER TRUNKLINE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM MADISON COUNTY, FDOT DISTRICT 2 REST AREA 20102 (18 SPACES) WESTBOUND MILE MARKER 265	SHEET NO. IT-08
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-10	MADISON	440302-1-52-01		

FOR ILLUSTRATION
PURPOSE ONLY



1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
 1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATORS

(EXISTING)
 - CCTV
 - MVDS

ELECTRIC PULL BOX (TYP.)

FIBER OPTIC PULL BOX (TYP.)

3-2" CONDUIT (DIRECTIONAL BORE)
 - POWER
 - 1-12 STRAND FOC
 - SPARE

PARCEL DERIVED R/W LINE

I-10 WB

I-10 EB

PARCEL DERIVED R/W LINE

INTERCEPT EXISTING FIBER PULL BOX

INTERCEPT EXISTING POWER PULL BOX

(EXISTING) FIBER OPTIC PULL BOX (TYP.)

(EXISTING) ELECTRICAL PULL BOX (TYP.)

(EXISTING) ITS FIBER TRUNKLINE

(EXISTING) POWER CONDUIT WITH CONDUCTORS

INSTALL NEW POWER AND COMMUNICATION CABLES USING EXISTING CONDUIT ENTERING INTO CABINET

1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 4 FO TERMINATORS, IN EXISTING ITS CABINET



TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT WB MM 267.85 EAST OF REST AREA 20102 (MM 265) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)
 - 3-DIGIT EMBEDDED DMS
 - POWER FROM SOLAR PANEL
 - POLE MOUNTED NEMA CABINET
 - COMMUNICATION FROM NEAREST ITS SPLICE VAULT

EXISTING ITS INFRASTRUCTURE REFERENCE
 - FPID 213272-8-52-01

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FOR ILLUSTRATION PURPOSE ONLY

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-10	MADISON	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM
 MADISON COUNTY, FDOT DISTRICT 2
 TPAS SIGN 20102
 WESTBOUND MILE MARKER 267.85

SHEET NO.
IT-08A

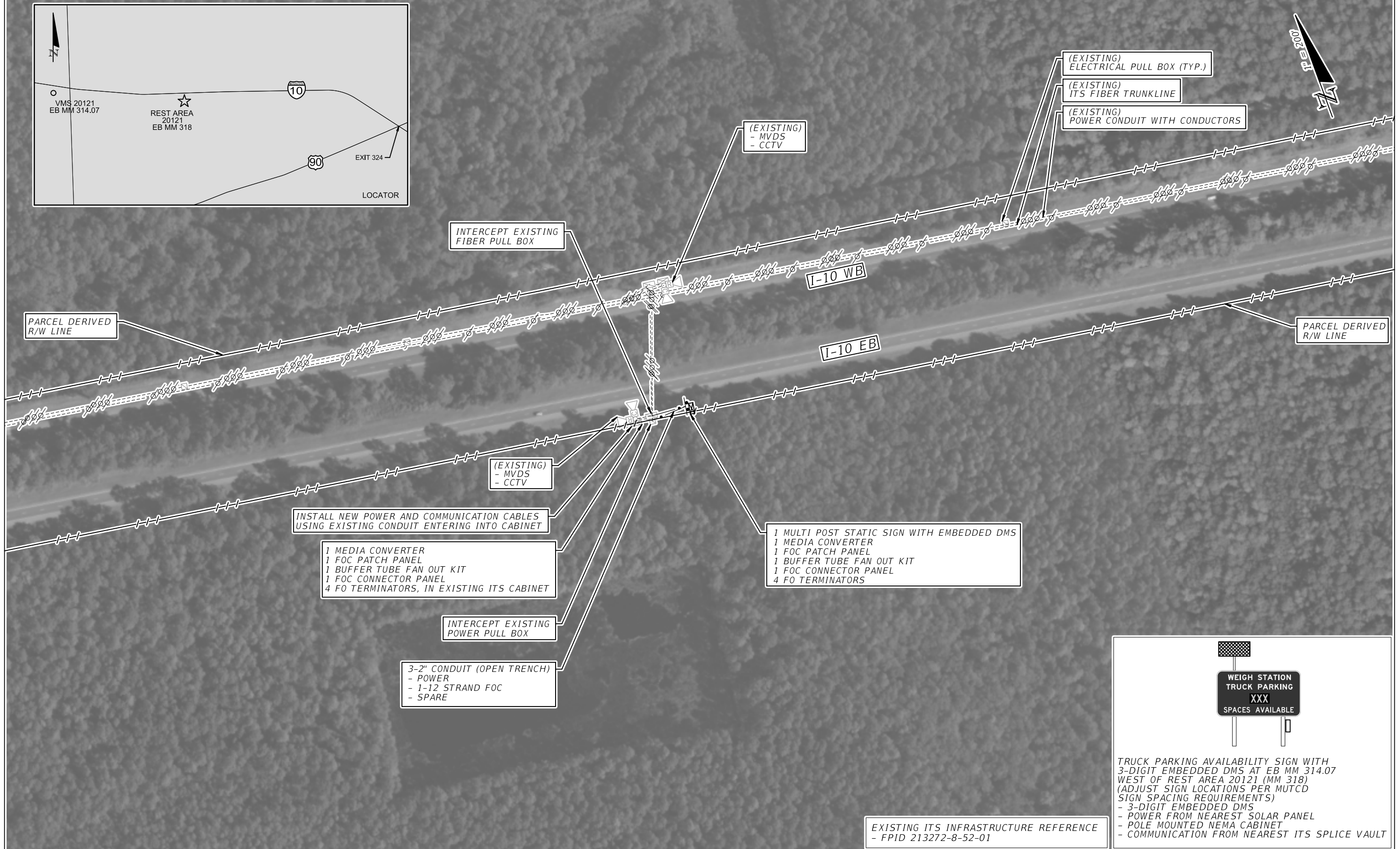
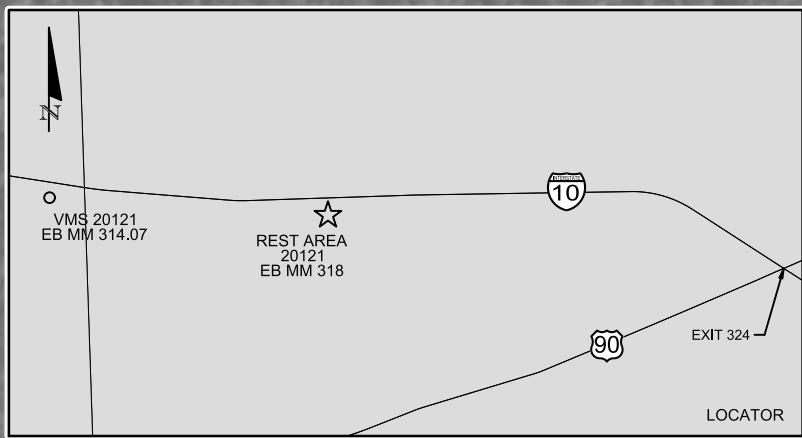


SEE SHEET IT-10 FOR DETAILS

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM BAKER COUNTY, FDOT DISTRICT 2 REST AREA 20121 (23 SPACES) EASTBOUND MILE MARKER 318	SHEET NO. IT-09
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-10	BAKER	440302-1-52-01		

**FOR ILLUSTRATION
PURPOSE ONLY**

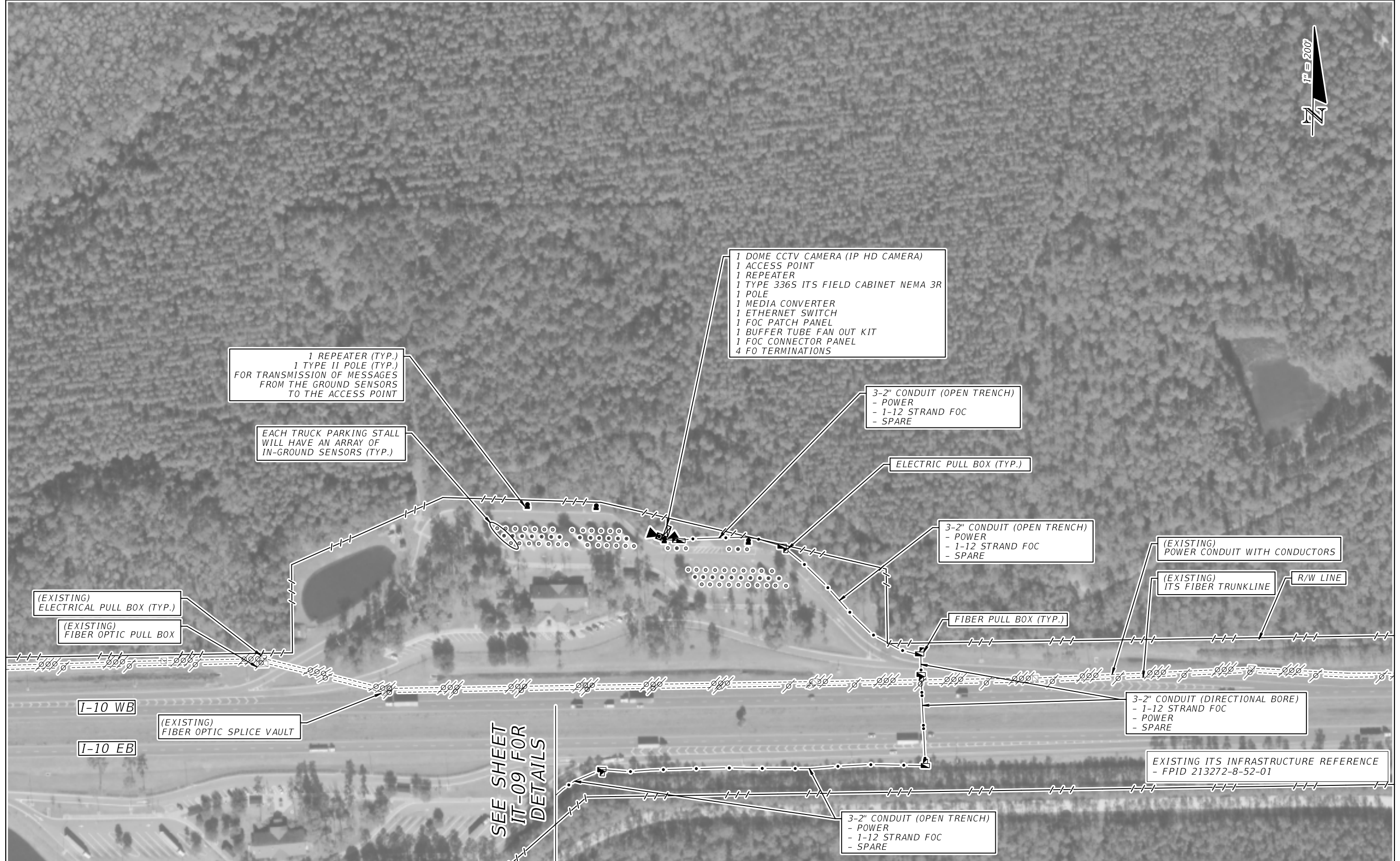


TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT EB MM 314.07 WEST OF REST AREA 20121 (MM 318) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST SOLAR PANEL
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS SPLICE VAULT

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM COLUMBIA COUNTY, FDOT DISTRICT 2 TPAS SIGN 20121 EASTBOUND MILE MARKER 314.07	SHEET NO. IT-09A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-10	COLUMBIA	440302-1-52-01		



1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES
FROM THE GROUND SENSORS
TO THE ACCESS POINT

EACH TRUCK PARKING STALL
WILL HAVE AN ARRAY OF
IN-GROUND SENSORS (TYP.)

1 DOME CCTV CAMERA (IP HD CAMERA)
1 ACCESS POINT
1 REPEATER
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 POLE
1 MEDIA CONVERTER
1 ETHERNET SWITCH
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATIONS

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

ELECTRIC PULL BOX (TYP.)

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
ITS FIBER TRUNKLINE

R/W LINE

FIBER PULL BOX (TYP.)

3-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- POWER
- SPARE

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 213272-8-52-01

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

(EXISTING)
FIBER OPTIC PULL BOX

I-10 WB

I-10 EB

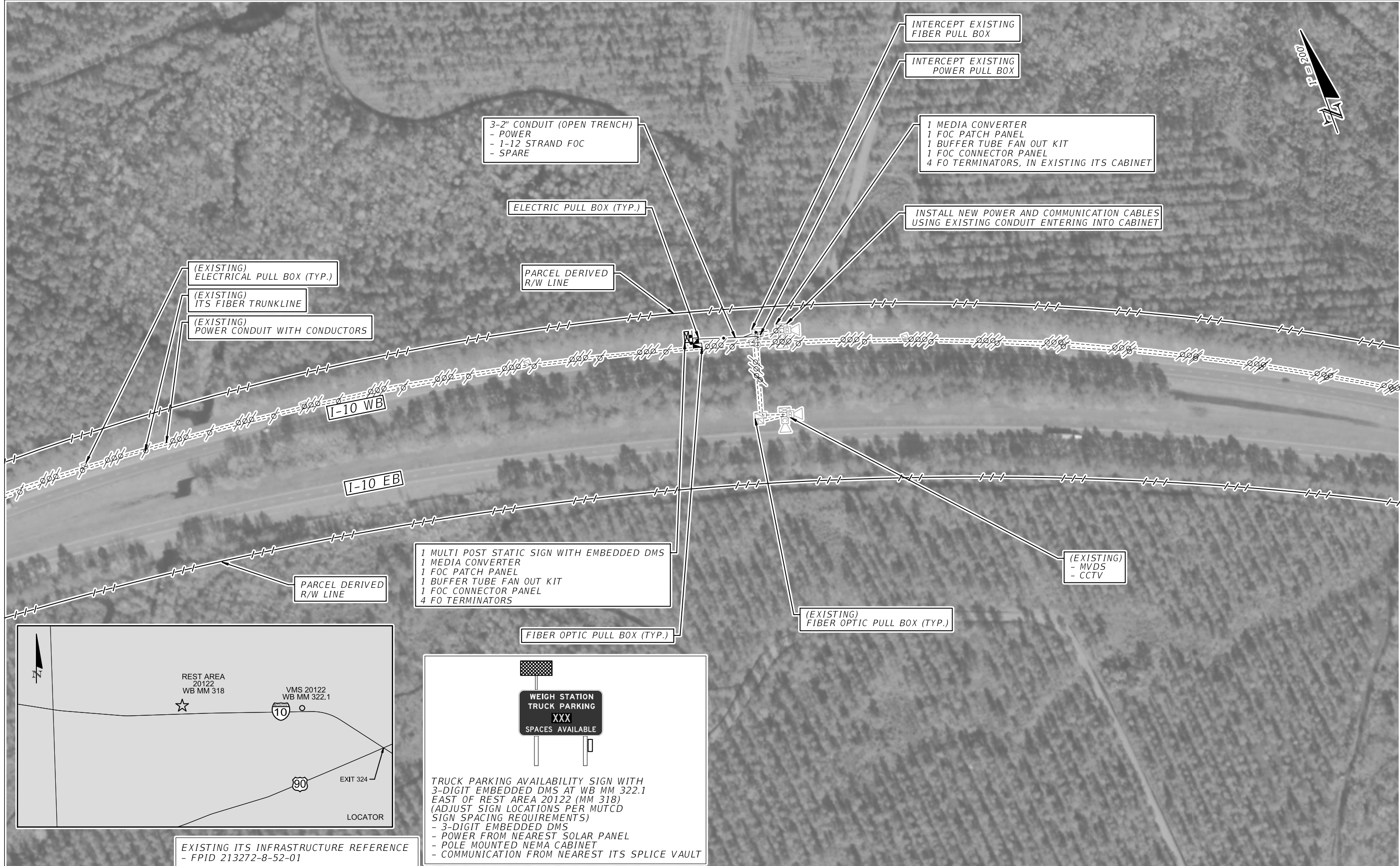
(EXISTING)
FIBER OPTIC SPLICE VAULT

SEE SHEET
IT-09 FOR
DETAILS

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM BAKER COUNTY, FDOT DISTRICT 2 REST AREA 20122 (23 SPACES) WESTBOUND MILE MARKER 318	SHEET NO. IT-10
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-10	BAKER	440302-1-52-01		

FOR ILLUSTRATION
PURPOSE ONLY



REVISIONS	
DATE	DESCRIPTION

FOR ILLUSTRATION PURPOSE ONLY

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-10	BAKER	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM BAKER COUNTY, FDOT DISTRICT 2 TPAS SIGN 20122 WESTBOUND MILE MARKER 322.1	SHEET NO. IT-10A
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1 ACCESS POINT (TYP.)
 1 REPEATER (TYP.)
 1 TYPE II POLE (TYP.)
 1 NEMA 3R ENCLOSURE
 1 FOC CONNECTOR PANEL
 1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 8 FO TERMINATORS

INTERCEPT EXISTING
 FIBER SPLICE VAULT

PARCEL DERIVED R/W

EACH TRUCK PARKING STALL
 WILL HAVE AN ARRAY OF
 IN-GROUND SENSORS (TYP.)

1 REPEATER (TYP.)
 1 TYPE II POLE (TYP.)
 FOR TRANSMISSION OF MESSAGES
 FROM THE GROUND SENSORS
 TO THE ACCESS POINT

(EXISTING)
 ITS FIBER TRUNKLINE

(EXISTING)
 POWER CONDUIT WITH CONDUCTORS

(EXISTING)
 ELECTRICAL PULL BOX (TYP.)

(EXISTING)
 FIBER OPTIC PULL BOX

2-2" CONDUIT (DIRECTIONAL BORE)
 - 1-12 STRAND FOC
 - SPARE

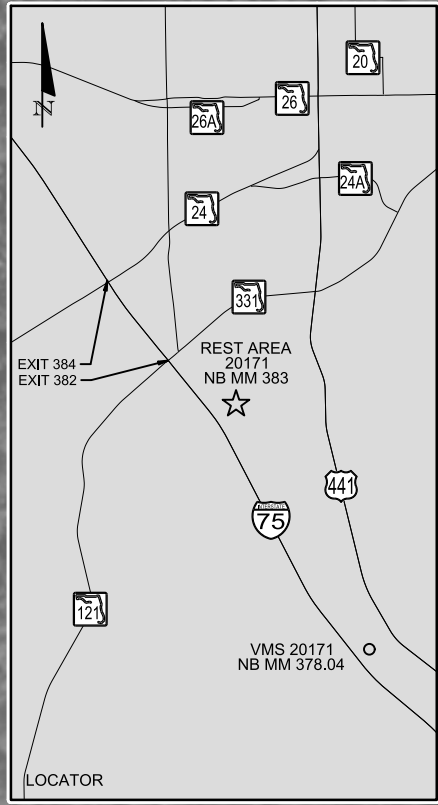
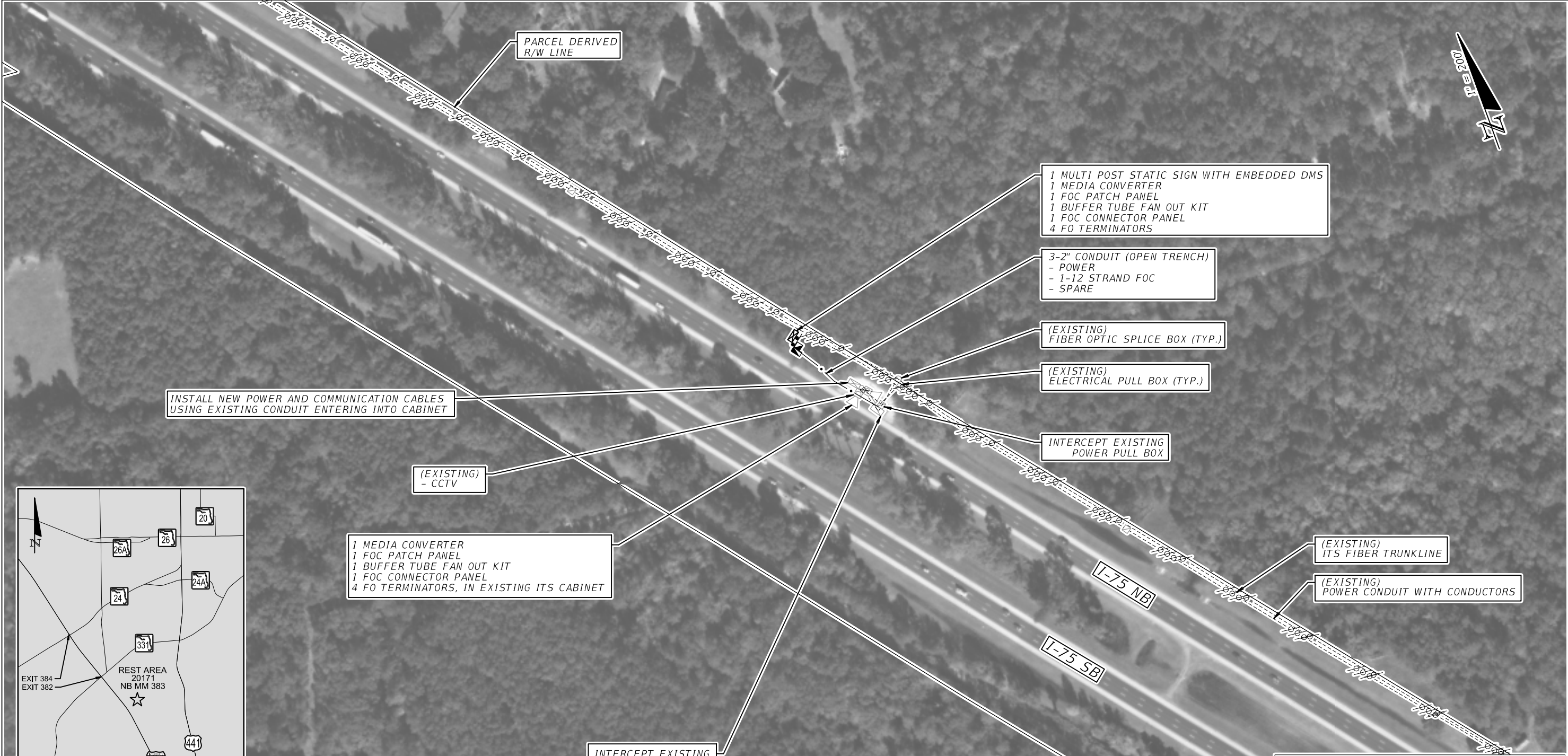
I-75 NB

I-75 SB

SEE SHEET IT-12 FOR DETAILS

EXISTING ITS INFRASTRUCTURE REFERENCE
 - FPID 433510-1-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ALACHUA COUNTY, FDOT DISTRICT 2 REST AREA 20171 (6 SPACES) NORTHBOUND MILE MARKER 383	SHEET NO. IT-11
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-75	ALACHUA	440302-1-52-01		



EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 433510-1-52-01

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT NB MM 378.04 SOUTH OF REST AREA 20171 (MM 383) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)
 - 3-DIGIT EMBEDDED DMS
 - POWER FROM NEAREST ITS CABINET
 - POLE MOUNTED NEMA CABINET
 - COMMUNICATION FROM NEAREST ITS CABINET

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
FOR ILLUSTRATION PURPOSE ONLY			

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-75	ALACHUA	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM
ALACHUA COUNTY, FDOT DISTRICT 2
TPAS SIGN 20171
NORTHBOUND MILE MARKER 378.04

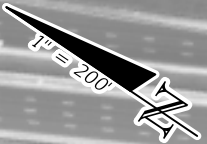
SHEET NO.
IT-11A

SEE SHEET IT-11 FOR DETAILS

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 433510-1-52-01

I-75 NB

I-75 SB



2-2" CONDUIT (DIRECTIONAL BORE)
- POWER
- SPARE

1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES
FROM THE GROUND SENSORS
TO THE ACCESS POINT

1 ACCESS POINT (TYP.)
1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
1 NEMA 3R ENCLOSURE
1 FOC CONNECTOR PANEL
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

EACH TRUCK PARKING STALL
WILL HAVE AN ARRAY OF
IN-GROUND SENSORS (TYP.)

2-2" CONDUIT (OPEN TRENCH)
- POWER
- SPARE

(EXISTING)
ITS POWER SERVICE DROP (TYP.)

120/240 VAC SINGLE PHASE POWER
SUPPLIED FROM THE EXISTING
ITS POWER SERVICE

2-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- SPARE

(EXISTING)
ITS FIBER TRUNKLINE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
FIBER OPTIC PULL BOX

2-2" CONDUIT (OPEN TRENCH)
- POWER
- SPARE

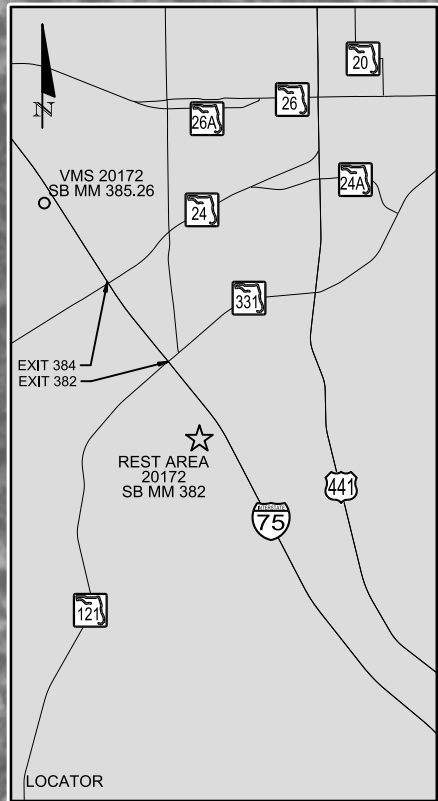
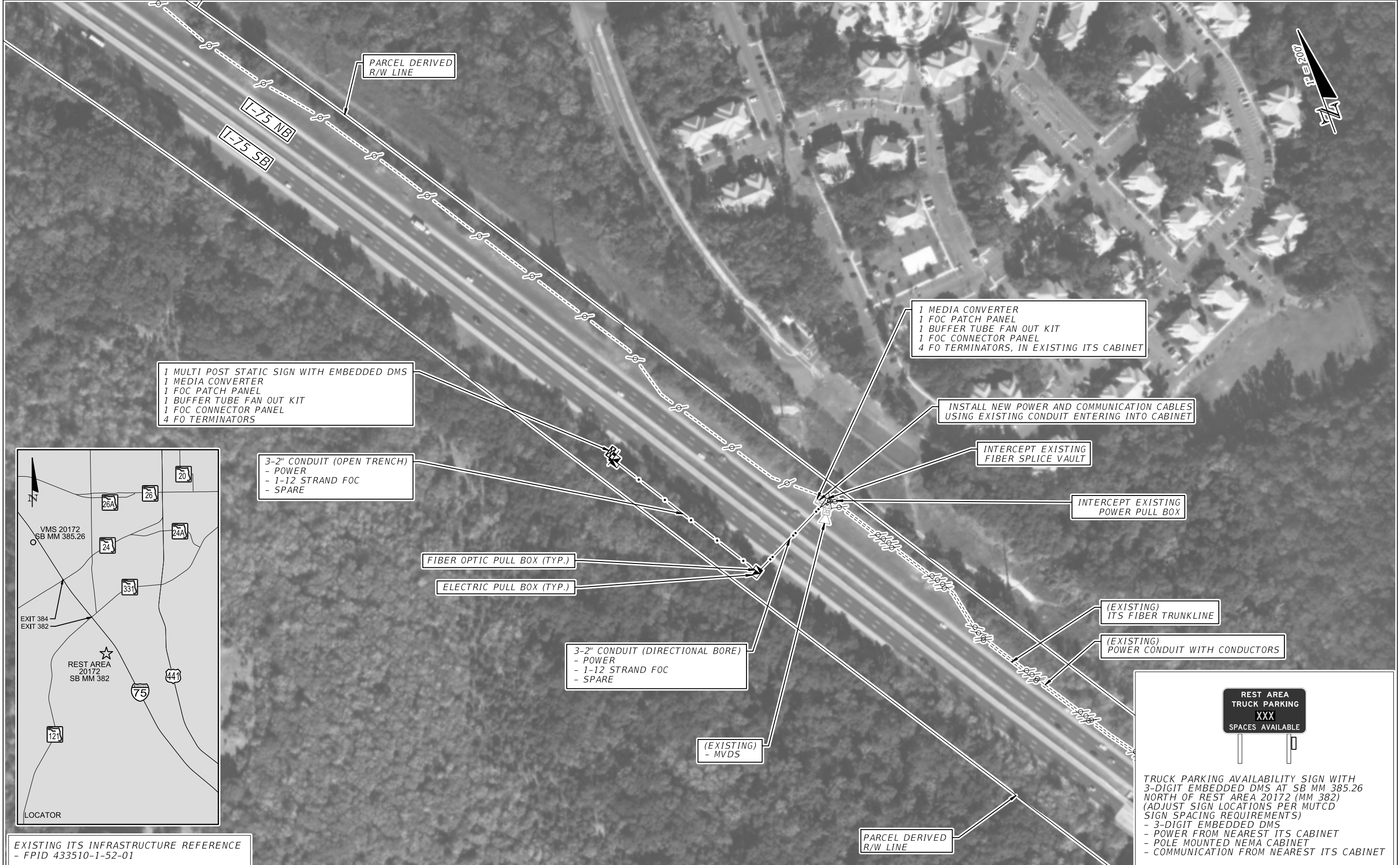
ELECTRIC PULL BOX (TYP.)

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

2-2" CONDUIT (OPEN TRENCH)
- POWER
- SPARE

PARCEL DERIVED R/W

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ALACHUA COUNTY, FDOT DISTRICT 2 REST AREA 20172 (12 SPACES) SOUTHBOUND MILE MARKER 382	SHEET NO. IT-12
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-75	ALACHUA	440302-1-52-01		



EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 433510-1-52-01

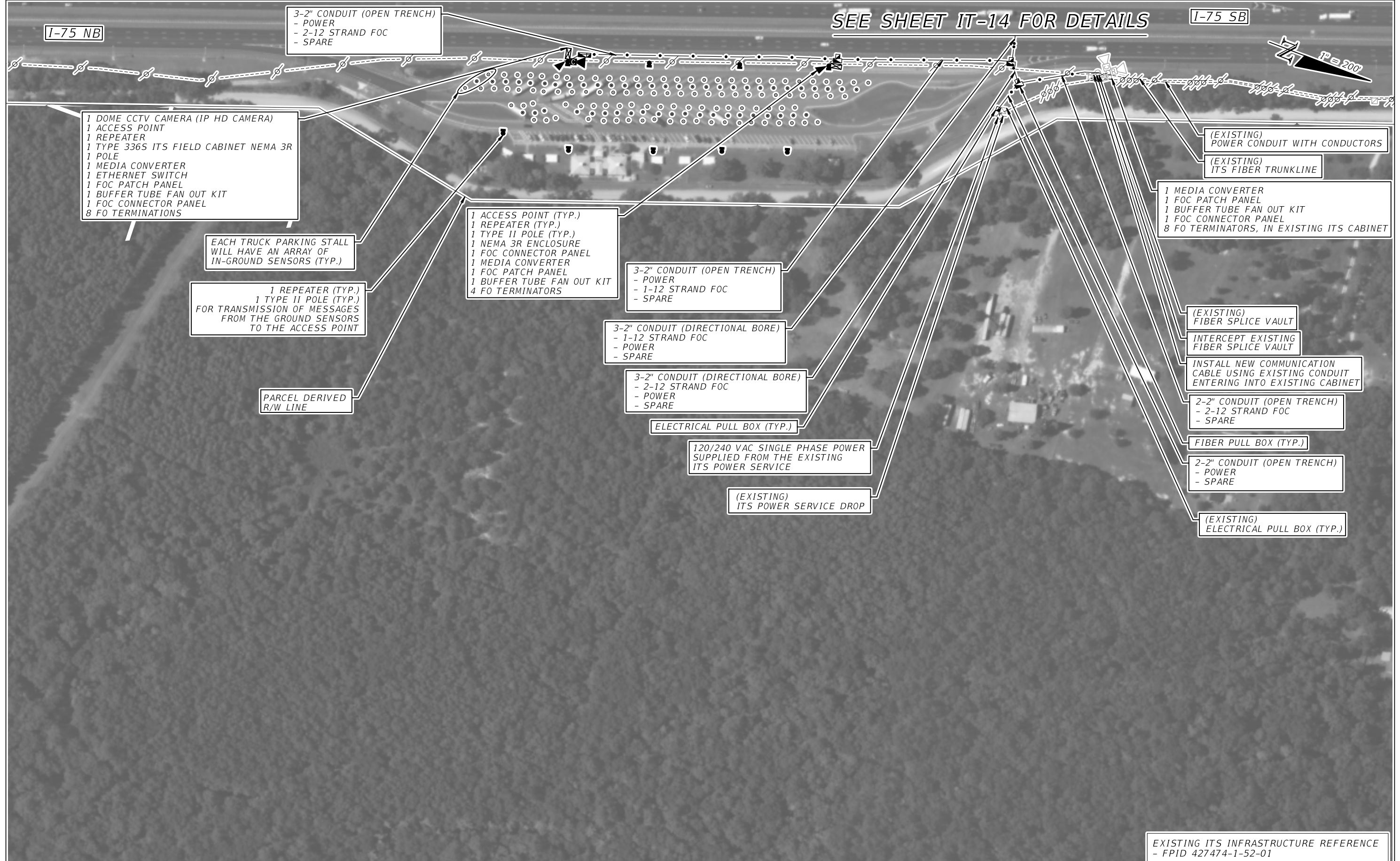
**REST AREA
TRUCK PARKING
XXX
SPACES AVAILABLE**

TRUCK PARKING AVAILABILITY SIGN WITH
3-DIGIT EMBEDDED DMS AT SB MM 385.26
NORTH OF REST AREA 20172 (MM 382)
(ADJUST SIGN LOCATIONS PER MUTCD
SIGN SPACING REQUIREMENTS)
- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

REVISIONS		DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ALACHUA COUNTY, FDOT DISTRICT 2 TPAS SIGN 20172 SOUTHBOUND MILE MARKER 385.26	SHEET NO. IT-12A
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			I-75	ALACHUA	440302-1-52-01		

**FOR ILLUSTRATION
PURPOSE ONLY**

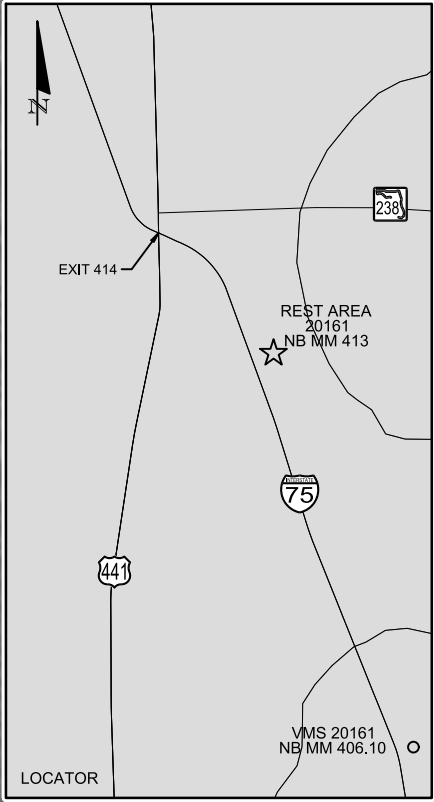
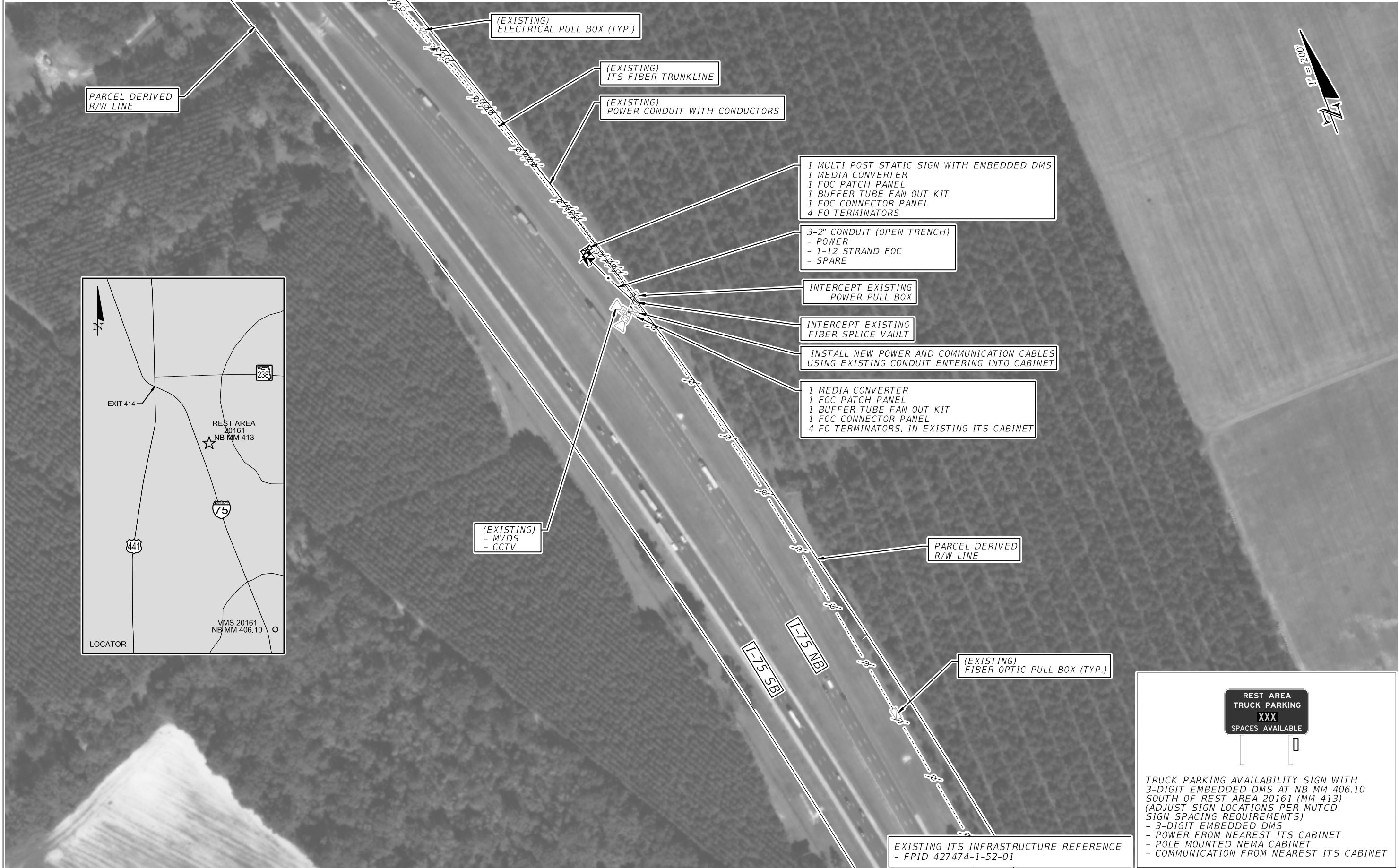
SEE SHEET IT-14 FOR DETAILS



EXISTING ITS INFRASTRUCTURE REFERENCE - FPID 427474-1-52-01

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM COLUMBIA COUNTY, FDOT DISTRICT 2 REST AREA 20161 (49 SPACES) NORTHBOUND MILE MARKER 413	SHEET NO. IT-13
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-75	COLUMBIA	440302-1-52-01		

FOR ILLUSTRATION PURPOSE ONLY



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM ALACHUA COUNTY, FDOT DISTRICT 2 TPAS SIGN 20161 NORTHBOUND MILE MARKER 406.10	SHEET NO. IT-13A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-75	ALACHUA	440302-1-52-01		



1 REPEATER (TYP.)
 1 TYPE II POLE (TYP.)
 FOR TRANSMISSION OF MESSAGES
 FROM THE GROUND SENSORS
 TO THE ACCESS POINT

3-2" CONDUIT (OPEN TRENCH)
 - POWER
 - 2-12 STRAND FOC
 - SPARE

PARCEL DERIVED R/W

EACH TRUCK PARKING STALL
 WILL HAVE AN ARRAY OF
 IN-GROUND SENSORS (TYP.)

1 DOME CCTV CAMERA (IP HD CAMERA)
 1 ACCESS POINT
 1 REPEATER
 1 TYPE 336S ITS FIELD CABINET NEMA 3R
 1 POLE
 1 MEDIA CONVERTER
 1 ETHERNET SWITCH
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 1 FOC CONNECTOR PANEL
 8 FO TERMINATIONS

1 ACCESS POINT (TYP.)
 1 REPEATER (TYP.)
 1 TYPE II POLE (TYP.)
 1 NEMA 3R ENCLOSURE
 1 FOC CONNECTOR PANEL
 1 MEDIA CONVERTER
 1 FOC PATCH PANEL
 1 BUFFER TUBE FAN OUT KIT
 4 FO TERMINATORS

3-2" CONDUIT (DIRECTIONAL BORE)
 - 1-12 STRAND FOC
 - POWER
 - SPARE

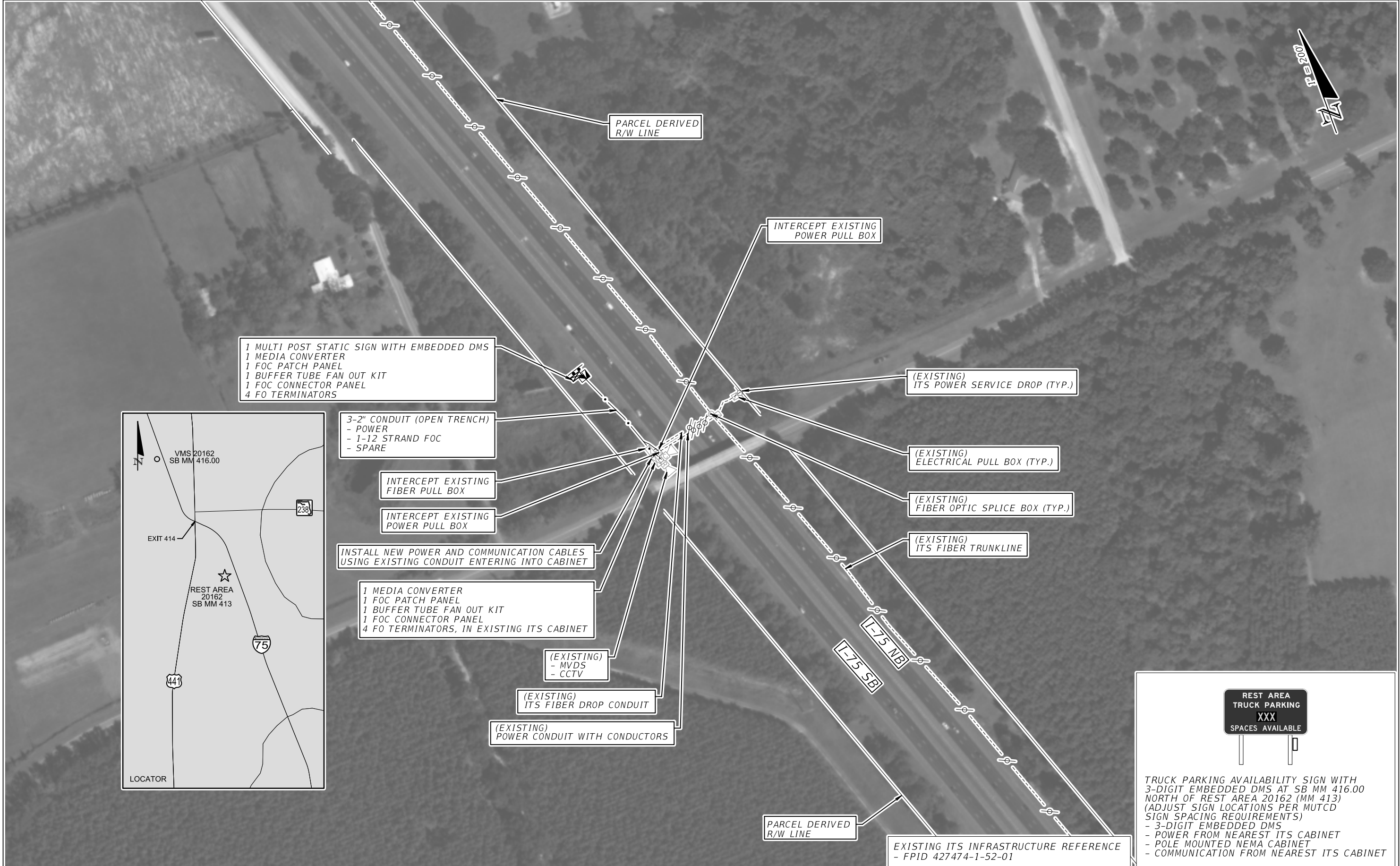
I-75 SB


I-75 NB

SEE SHEET IT-13 FOR DETAILS

EXISTING ITS INFRASTRUCTURE REFERENCE
 - FPID 427474-1-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM COLUMBIA COUNTY, FDOT DISTRICT 2 REST AREA 20162 (49 SPACES) SOUTHBOUND MILE MARKER 413	SHEET NO. IT-14
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-75	COLUMBIA	440302-1-52-01		

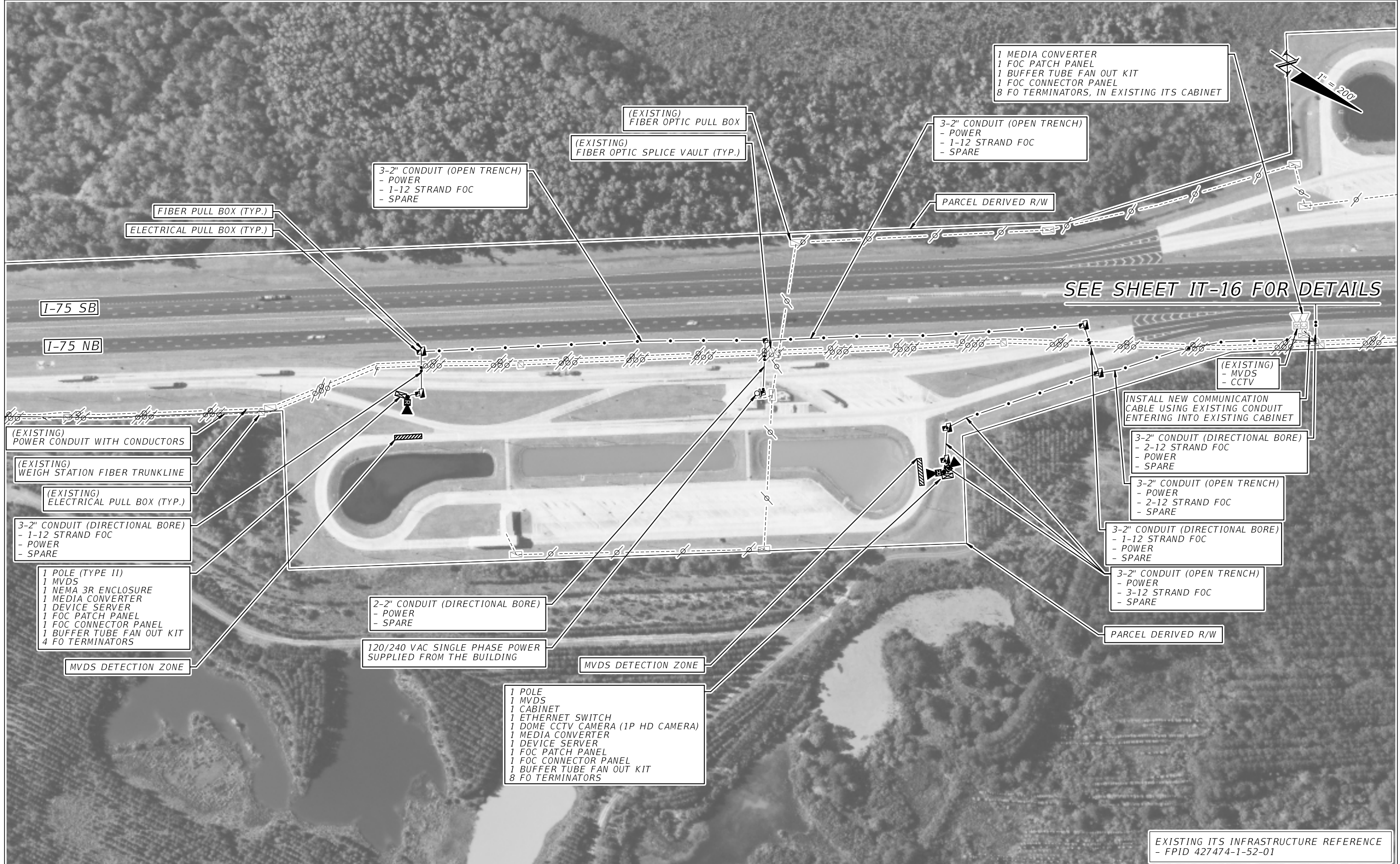




TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 416.00 NORTH OF REST AREA 20162 (MM 413) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

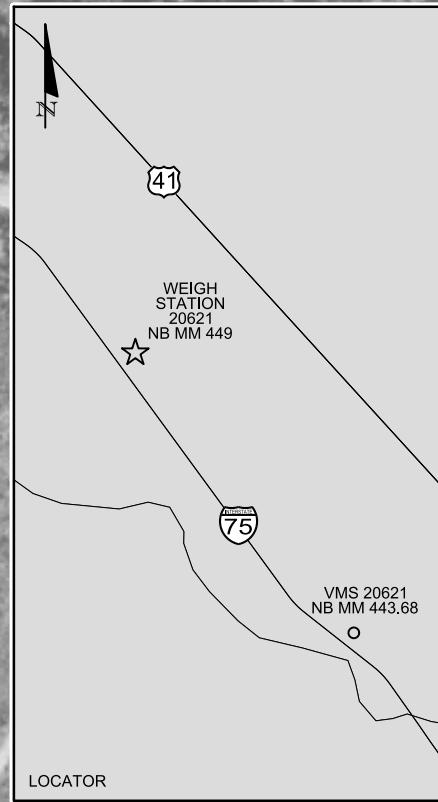
REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM COLUMBIA COUNTY, FDOT DISTRICT 2 TPAS SIGN 20162 SOUTHBOUND MILE MARKER 416.00	SHEET NO. IT-14A
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	1-75	COLUMBIA	440302-1-52-01		



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM HAMILTON COUNTY, FDOT DISTRICT 2 WEIGH STATION 20621 (29 SPACES) NORTHBOUND MILE MARKER 449	SHEET NO. IT-15
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-75	HAMILTON	440302-1-52-01		

FOR ILLUSTRATION PURPOSE ONLY

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**REST AREA
TRUCK PARKING
XXX
SPACES AVAILABLE**

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT NB MM 443.68 SOUTH OF WEIGH STATION 20621 (MM 449) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)
 - 3-DIGIT EMBEDDED DMS
 - POWER FROM NEAREST ITS CABINET
 - POLE MOUNTED NEMA CABINET
 - COMMUNICATION FROM NEAREST ITS CABINET

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427474-1-52-01

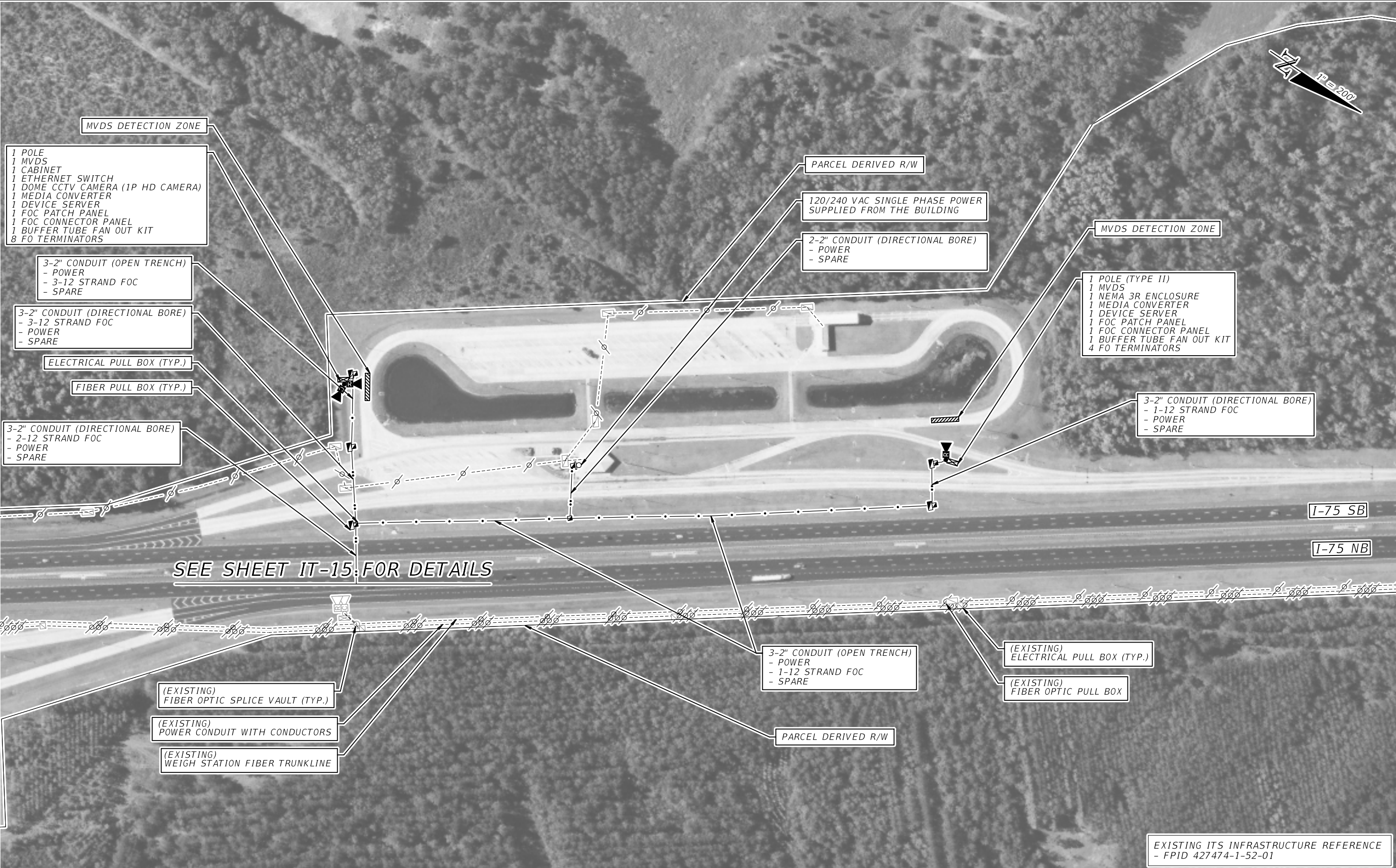
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
FOR ILLUSTRATION PURPOSE ONLY			

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-75	HAMILTON	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM
 HAMILTON COUNTY, FDOT DISTRICT 2
 TPAS SIGN 20621
 NORTHBOUND MILE MARKER 443.68

SHEET NO.

 IT-15A



EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427474-1-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM HAMILTON COUNTY, FDOT DISTRICT 2 WEIGH STATION 20622 (29 SPACES) SOUTHBOUND MILE MARKER 449	SHEET NO. IT-16
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				I-75	HAMILTON	440302-1-52-01		

**FOR ILLUSTRATION
PURPOSE ONLY**



INSTALL NEW POWER AND COMMUNICATION CABLES USING EXISTING CONDUIT ENTERING INTO CABINET

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INTERCEPT EXISTING FIBER SPLICE VAULT

INTERCEPT EXISTING POWER PULL BOX

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

FIBER OPTIC PULL BOX (TYP.)

ELECTRIC PULL BOX (TYP.)

(EXISTING) ELECTRICAL PULL BOX (TYP.)

(EXISTING) ITS FIBER TRUNKLINE

(EXISTING) POWER CONDUIT WITH CONDUCTORS

(EXISTING)
- MVDS
- CCTV

3-2" CONDUIT (DIRECTIONAL BORE)
- POWER
- 1-12 STRAND FOC
- SPARE

1 MULTI POST STATIC SIGN WITH EMBEDDED DMS
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS

PARCEL DERIVED R/W LINE

REST AREA TRUCK PARKING
XXX
SPACES AVAILABLE

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 453.44 NORTH OF REST AREA 20622 (MM 449) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)
- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427474-1-52-01

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

FOR ILLUSTRATION PURPOSE ONLY

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
I-75	HAMILTON	440302-1-52-01

TRUCK PARKING AVAILABILITY SYSTEM
HAMILTON COUNTY, FDOT DISTRICT 2
TPAS SIGN 20622
SOUTHBOUND MILE MARKER 453.44

SHEET NO.
IT-16A



2-2" CONDUIT (OPEN TRENCH)
- POWER
- SPARE

3-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- POWER
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

PARCEL DERIVED R/W

(EXISTING)
ELECTRICAL PULL BOX (TYP.)

120/240 VAC SINGLE PHASE POWER
SUPPLIED FROM THE EXISTING
ITS POWER SERVICE

(EXISTING)
ITS POWER SERVICE DROP (TYP.)

(EXISTING)
FIBER OPTIC SPLICE VAULT

1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
4 FO TERMINATORS, IN EXISTING ITS CABINET

INSTALL NEW COMMUNICATION
CABLE USING EXISTING CONDUIT
ENTERING INTO EXISTING CABINET

2-2" CONDUIT (OPEN TRENCH)
- 1-12 STRAND FOC
- SPARE

(EXISTING)
POWER CONDUIT WITH CONDUCTORS

(EXISTING)
ITS FIBER TRUNKLINE

I-75 NB

I-75 SB



3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

FIBER PULL BOX (TYP.)

ELECTRIC PULL BOX (TYP.)

(EXISTING)
- MVDS
- CCTV

INTERCEPT EXISTING
FIBER SPLICE VAULT

3-2" CONDUIT (DIRECTIONAL BORE)
- 1-12 STRAND FOC
- POWER
- SPARE

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

EACH TRUCK PARKING STALL
WILL HAVE AN ARRAY OF
IN-GROUND SENSORS (TYP.)

1 DOME CCTV CAMERA (IP HD CAMERA)
1 ACCESS POINT
1 REPEATER
1 TYPE 336S ITS FIELD CABINET NEMA 3R
1 POLE
1 MEDIA CONVERTER
1 ETHERNET SWITCH
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
1 FOC CONNECTOR PANEL
8 FO TERMINATIONS

1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
FOR TRANSMISSION OF MESSAGES
FROM THE GROUND SENSORS
TO THE ACCESS POINT

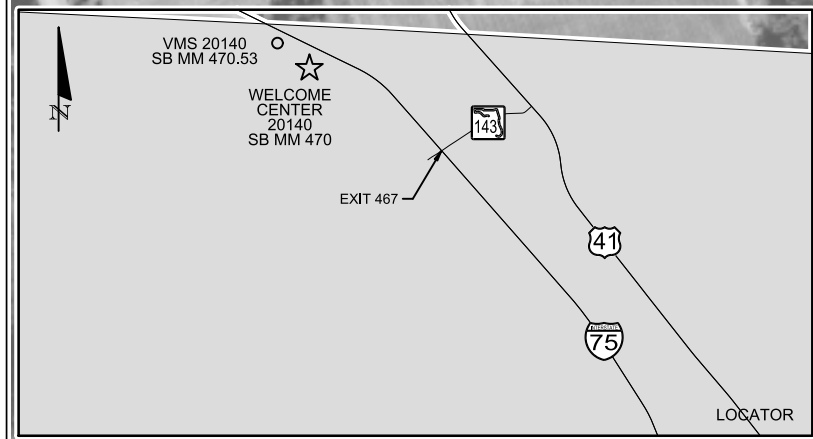
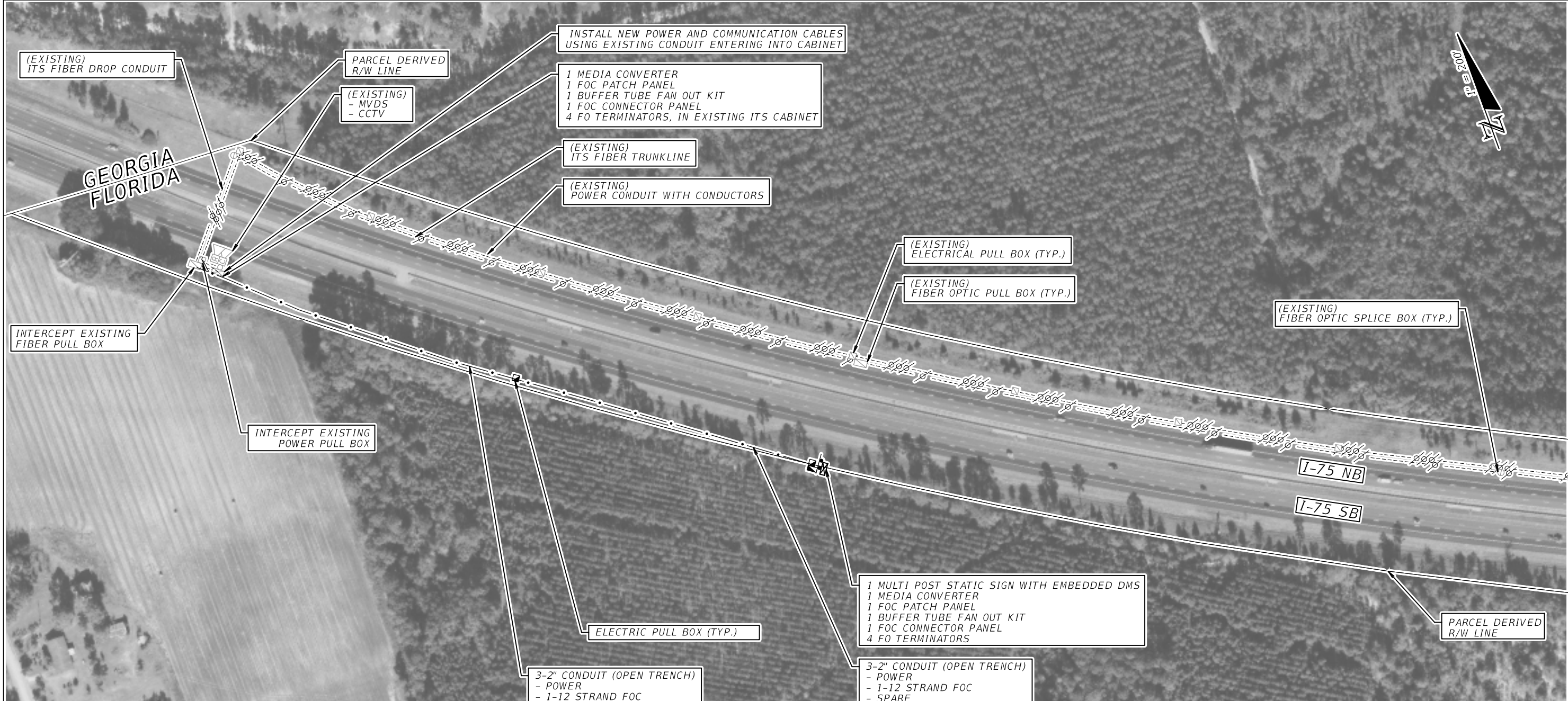
1 ACCESS POINT (TYP.)
1 REPEATER (TYP.)
1 TYPE II POLE (TYP.)
1 NEMA 3R ENCLOSURE
1 FOC CONNECTOR PANEL
1 MEDIA CONVERTER
1 FOC PATCH PANEL
1 BUFFER TUBE FAN OUT KIT
4 FO TERMINATORS

3-2" CONDUIT (OPEN TRENCH)
- POWER
- 1-12 STRAND FOC
- SPARE

PARCEL DERIVED R/W

EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427474-1-52-01

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRUCK PARKING AVAILABILITY SYSTEM HAMILTON COUNTY, FDOT DISTRICT 2 WELCOME CENTER 20140 (37 SPACES) SOUTHBOUND MILE MARKER 470	SHEET NO. IT-17
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
			FOR ILLUSTRATION PURPOSE ONLY	I-75	HAMILTON	440302-1-52-01		



EXISTING ITS INFRASTRUCTURE REFERENCE
- FPID 427474-1-52-01

TRUCK PARKING AVAILABILITY SIGN WITH 3-DIGIT EMBEDDED DMS AT SB MM 470.53 NORTH OF WELCOME CENTER 20140 (MM 470) (ADJUST SIGN LOCATIONS PER MUTCD SIGN SPACING REQUIREMENTS)

- 3-DIGIT EMBEDDED DMS
- POWER FROM NEAREST ITS CABINET
- POLE MOUNTED NEMA CABINET
- COMMUNICATION FROM NEAREST ITS CABINET

REVISIONS		DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
		FOR ILLUSTRATION PURPOSE ONLY	I-75	HAMILTON	440302-1-52-01	IT-17A