EXIST. RDWY R/W LINE
EXIST. RR R/W LINE
℄ EXIST. MAIN TRACK 1
EXIST. RDWY R/W LINE
℄ PROP. MAIN TRACK 2
EXIST. RR R/W LINE
℄ PROP. MAIN TRACK 1
N OLD DIXIE HWY
0 5 20
Feet
what is MR-1? provide informational note.
PROPOSED CONCRETE GRADE CROSSING SURFACE
MATCH EXIST. +26.21 21.20' LT EL. 9.05 (±)
MATCH EXIST. +28.21 21.20' LT EL. 9.05 (±)
+63.32 16.09' LT
+61.32 16.09' LT
+56.32 10.85' LT EL. 10.47
44' R
+39.05 14.53' LT EL. 9.62
+53.20 11.08' LT
+71.08 16.70' LT
+74.51 14.23' LT
+81.85 16.97' LT
+83.41 17.68' LT
+90.96 12.00' LT EL. 10.45
STA. 12554+37.68, 3.89' RT
℄ EXIST. MAIN TRACK 1 =
STA. 10+68.32
℄ CONST. MILTON ROAD
BEGIN CONSTRUCTION STA. 10+26.21
10+00
+26.21
56.32
PC
PT
MR-1
+56.32 9.01' RT EL. 10.49
+39.05 14.05' RT EL. 9.63
+56.32 11.01' RT
+61.32 16.41' RT
+63.32 16.41' RT
35' R
MATCH EXIST. +26.21 24.33' RT EL. 9.17 (±)
MATCH EXIST. +28.21 24.33' RT EL. 9.14 (±)
CONST. FLUME PER FDOT DESIGN STANDARD INDEX 283
CONST. TYPE 'F' CURB & GUTTER
+33.08 27.64' RT EL. 9.10
+25.19 42.35' RT
MATCH EXIST. +22.20 42.32' RT EL. 9.44 (±)
+77.41 15.23' RT
+83.92 16.96' RT
MATCH EXIST. +46.41 36.69' RT EL. 8.94 (±)
GRADE TO DRAIN
EXIST. RDWY R/W LINE
EXIST. RDWY R/W LINE
EXIST. RR R/W LINE
Show exist "River Woods" Sign. May be in conflict with proposed flume
provide limits of sod in order to reshape swale as noted
℄ PROP. MAIN TRACK 2
℄ PROP. MAIN TRACK 1
12554
12555
11+00
+11.58 12.90' LT
+11.73 10.00' LT EL. 9.58
+24.77 9.50' LT EL. 8.82
STA. 12554+40.88, 10.11' LT
℄ EXIST. MAIN TRACK 1 =
STA. 10+82.73
℄ CONST. MILTON ROAD
CONST. TYPE 'F' CURB & GUTTER
+99.45 10.00' RT EL. 10.47
+08.01 10.00' RT
+24.77
+95.11 12.64' RT
+93.24 13.36' RT
+11.73 10.00' RT EL. 9.58
+24.77 10.00' RT EL. 8.78
+43.43 10.00' RT EL. 7.90
MATCH EXIST. +59.50 EL. 7.44 (±)
+59.50
PROPOSED CONCRETE GRADE CROSSING SURFACE
+24.77 17.84' RT EL. 8.50
MATCH EXIST. +59.50 EL. 7.35 (±)
MATCH EXIST. +35.44 29.51' RT EL. 7.55 (±)
MATCH EXIST. +48.46 24.49' RT EL. 7.26 (±)
EXIST. RDWY R/W LINE
℄ CONST. MILTON ROAD
MILTON ROAD
12+00
19' ±
END CONSTRUCTION STA. 11+59.50
13' ±
EXIST. RDWY R/W LINE
EXIST. RR R/W LINE
2" BE PVC

** 3' CURB TRANSITION PER INDEX 300 (6' WHEN ADJACENT TO SWK)
LIMITS OF NEW CONSTRUCTION OPTIONAL BASE GROUP 9 (ONLY)
LIMITS OF NEW CONSTRUCTION
LIMITS OF MILLING & RESURFACING
LIMITS OF VARIABLE DEPTH OVERBUILD

MILTON ROAD
ST. LUCIE VILLAGE
MP 237.77
DOT# 272211W

REVISIONS	
DATE	DESCRIPTION
02/07/20	1 - REVISED ENTIRE ROADWAY CROSSING

GORKY F. CHARPENTIER, P.E.
P.E. LICENSE NUMBER 47523
URS CORPORATION SOUTHERN
3201 WEST COMMERCIAL BLVD., SUITE 134
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION EB 00000002

ALL ABOARD FLORIDA

AAF CONTRACT	SECTION	COUNTY
	D9	ST. LUCIE

ROADWAY PLAN

SCALE: 1"=20'
2/14/2020

SHEET NO. RD-8

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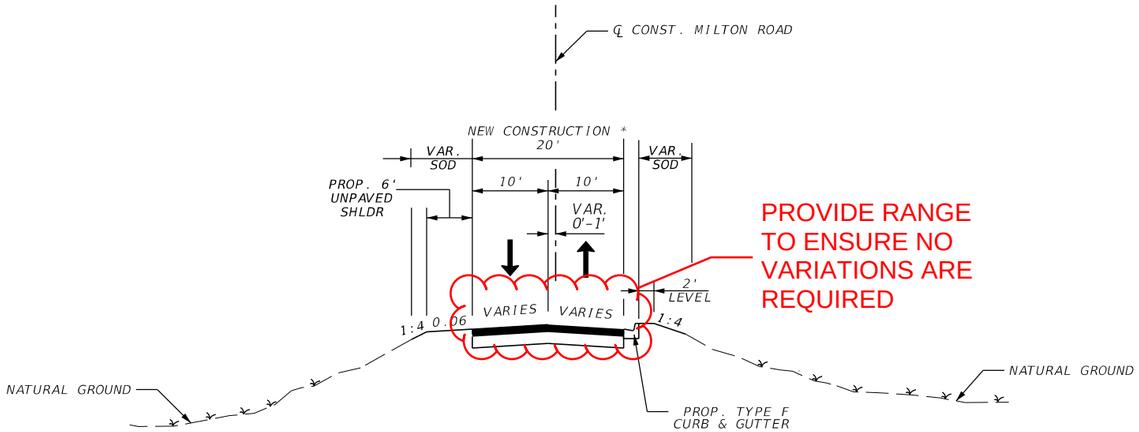
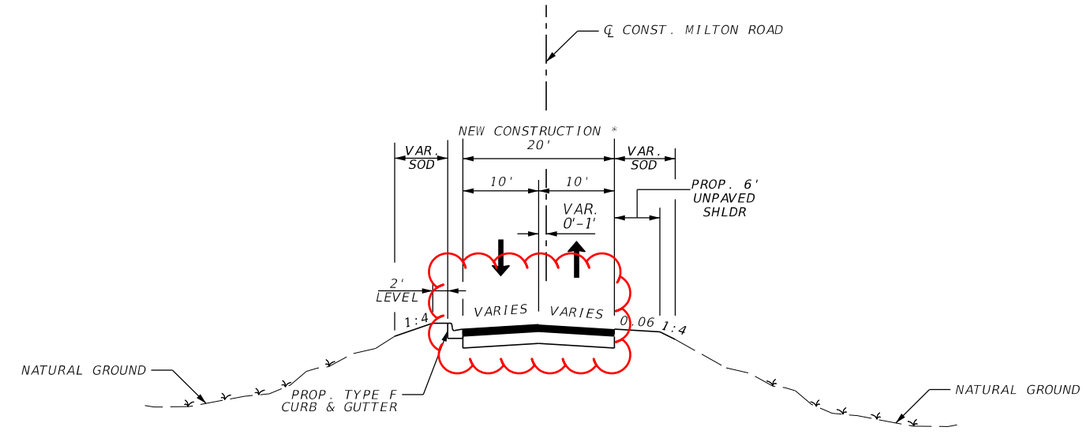


TYPICAL SECTION
(**WEST** OF PROP. MAIN TRACK 2)
MILTON ROAD
ST. LUCIE VILLAGE
MP 237.77
DOT# 27221W 1
N.T.S.

POSTED SPEED: 15 MPH 1



TYPICAL SECTION
(**EAST** OF PROP. MAIN TRACK 1)
MILTON ROAD
ST. LUCIE VILLAGE
MP 237.77
DOT# 27221W 1
N.T.S.

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9 (LIMEROCK BASE) (LBR 100) (10")

NEW CONSTRUCTION (WITHIN 3' OF CROSSING PANEL)
OPTIONAL BASE GROUP 15 (TYPE B-12.5 ONLY) (9")
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (6")

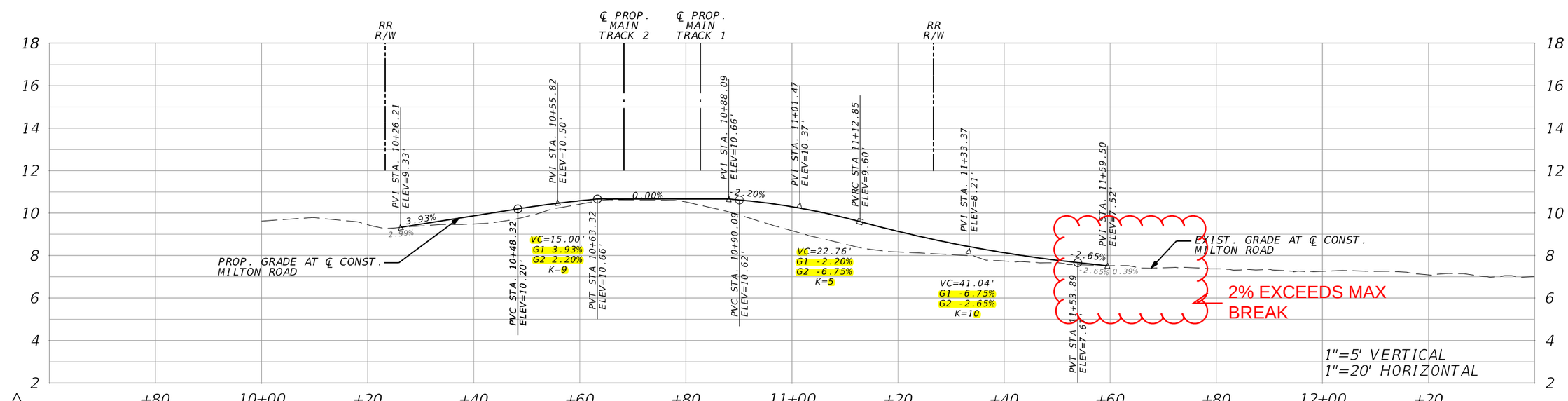
NEW CONSTRUCTION (BEYOND 3' OF CROSSING PANEL)
OPTIONAL BASE GROUP 6
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
12" TYPE B STABILIZATION LBR 40

MILLING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

OVERBUILD
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (4.5" AVG. DEPTH)

RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")

* MILLING, RESURFACING & OVERBUILD
SEE PLAN STA. 10+26.21 - STA. 10+56.32
AND STA. 11+24.77 - STA. 11+59.50



1

REVISIONS	
DATE	DESCRIPTION
02/07/20	1 - REVISED PROFILE AND ADDED POSTED SPEED

GORKY F. CHARPENTIER, P.E.
P.E. LICENSE NUMBER 47523
URS CORPORATION SOUTHERN
3201 WEST COMMERCIAL BLVD., SUITE 134
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION EB 00000002

1 ALL ABOARD FLORIDA

AAF CONTRACT	SECTION	COUNTY
	D9	ST. LUCIE

ROADWAY PROFILE / TYPICAL SECTION

SCALE: N.T.S.	SHEET NO.
2/14/2020	RD-8A

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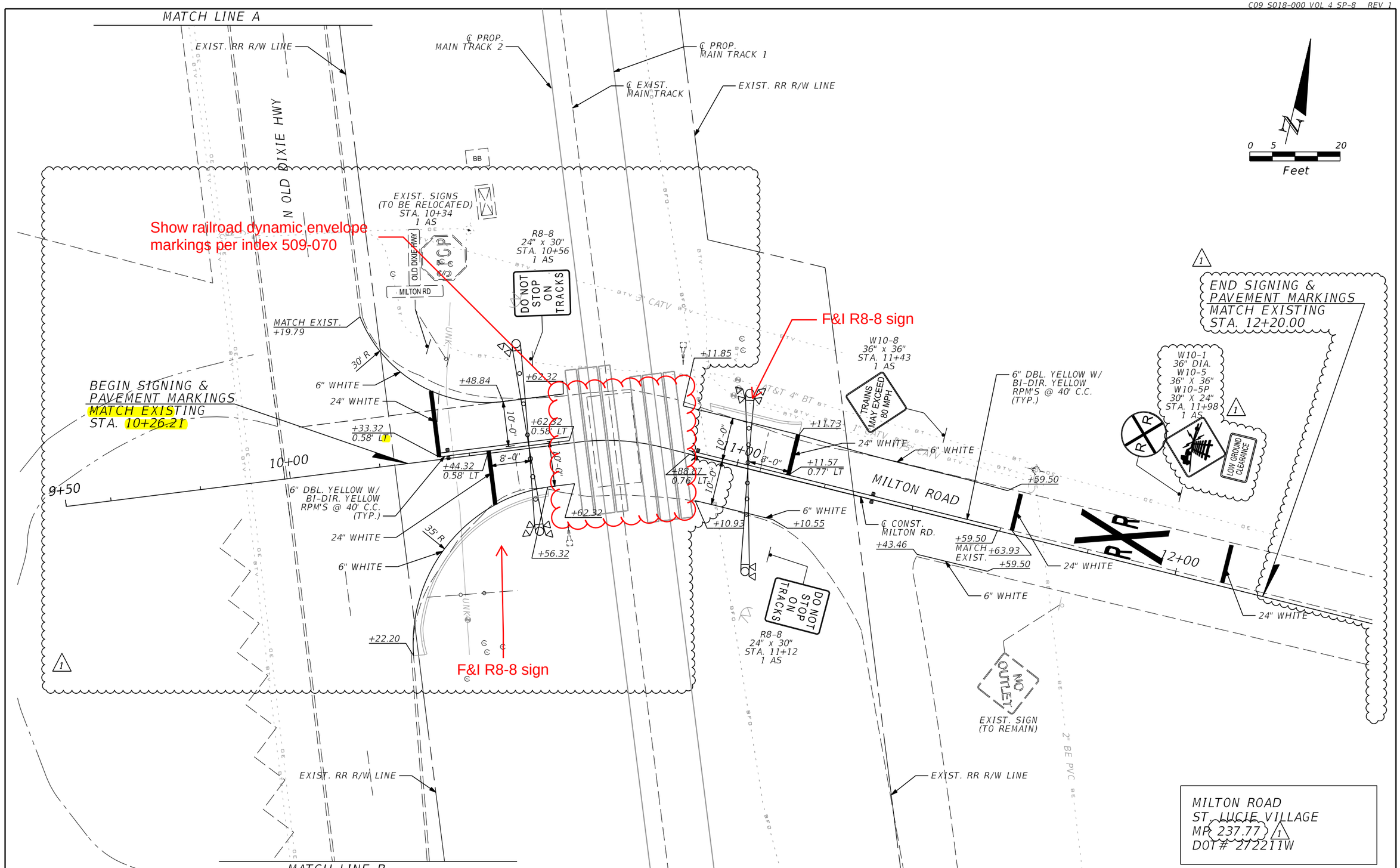

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REVISIONS	
DATE	DESCRIPTION
02/07/20	1 - REVISED PAVEMENT MARKING AND SIGNING AND MILEPOST

GORKY F. CHARPENTIER, P.E.
P.E. LICENSE NUMBER 47523
URS CORPORATION SOUTHERN
3201 WEST COMMERCIAL BLVD., SUITE 134
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION EB 00000002

1

ALL ABOARD FLORIDA

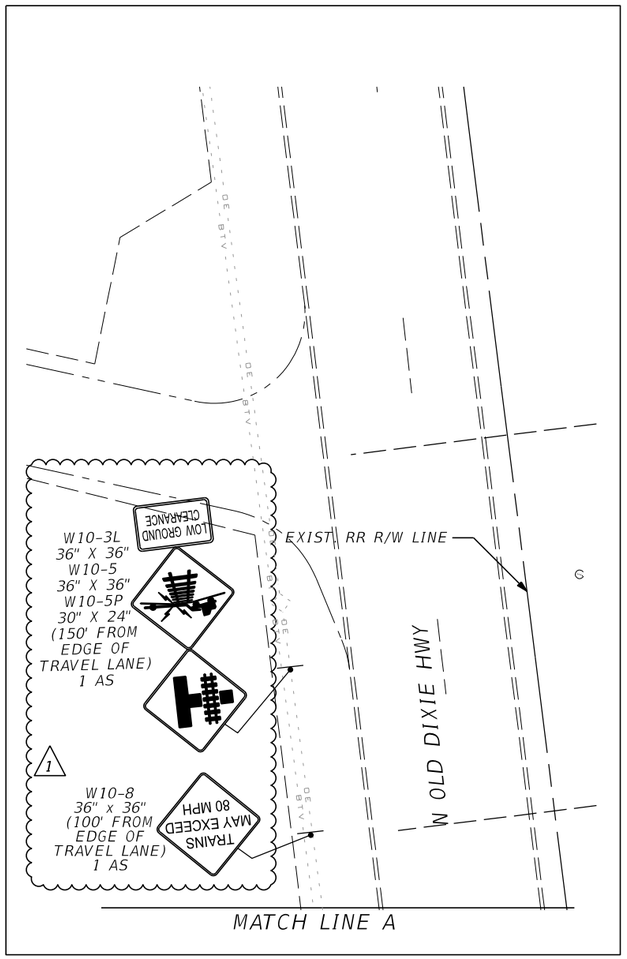
AAF CONTRACT	SECTION	COUNTY
	D09	ST. LUCIE

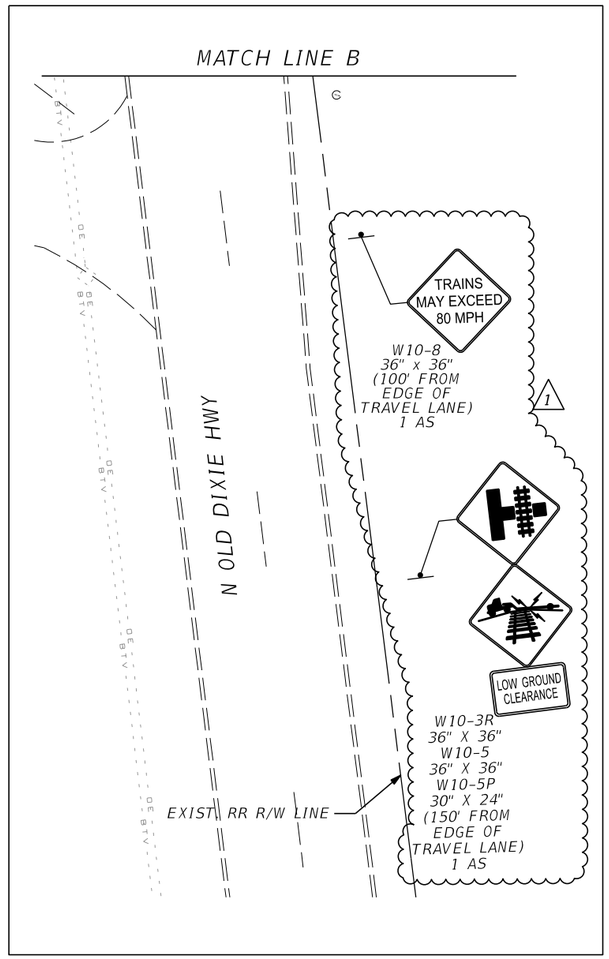
SIGNING AND PAVEMENT MARKING PLAN

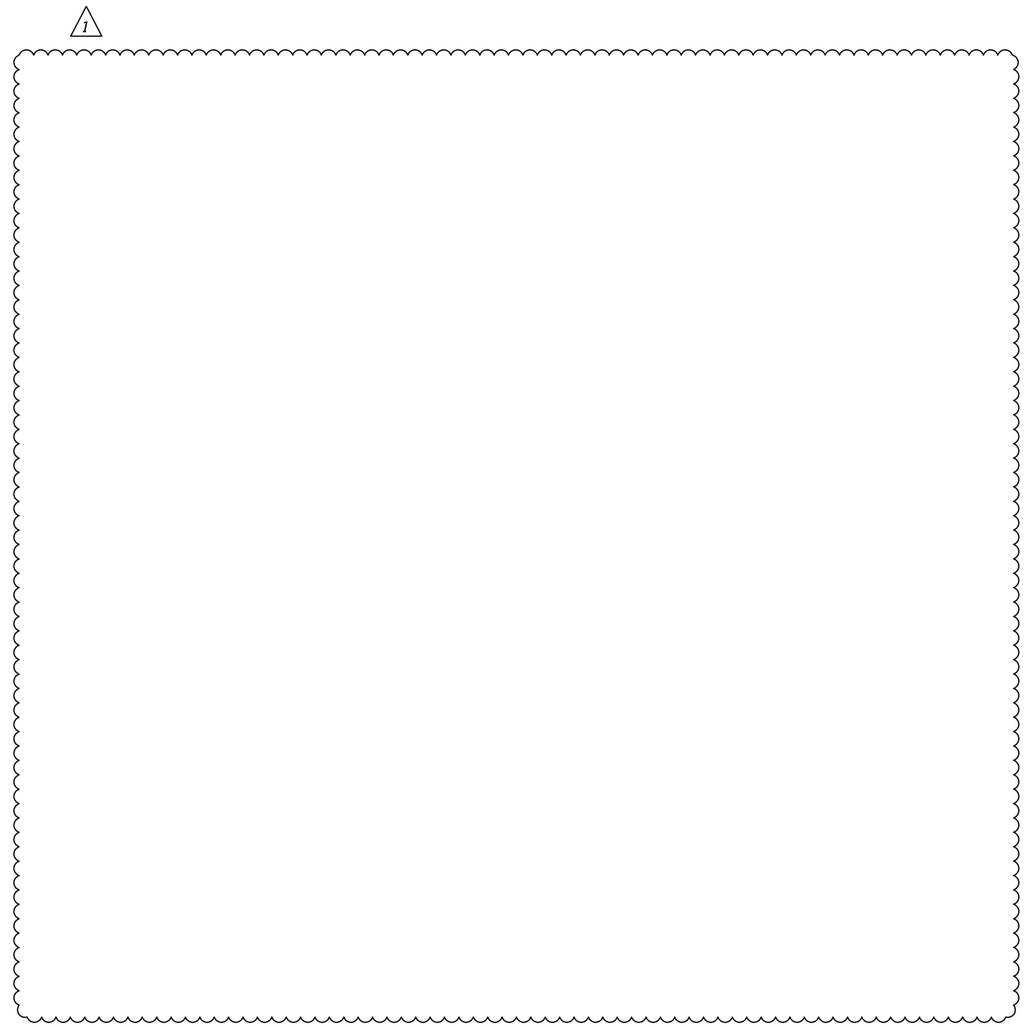
SCALE: 1"=20'

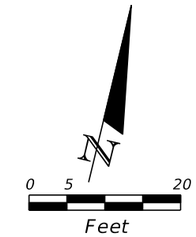
2/17/2020

SHEET NO. SP-8









MILTON ROAD
ST. LUCIE VILLAGE
MP 237.77 1
DOT# 272211W

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REVISIONS	
DATE	DESCRIPTION
02/07/20	1 - REVISED AND DELETED SIGNING. REVISED MILEPOST

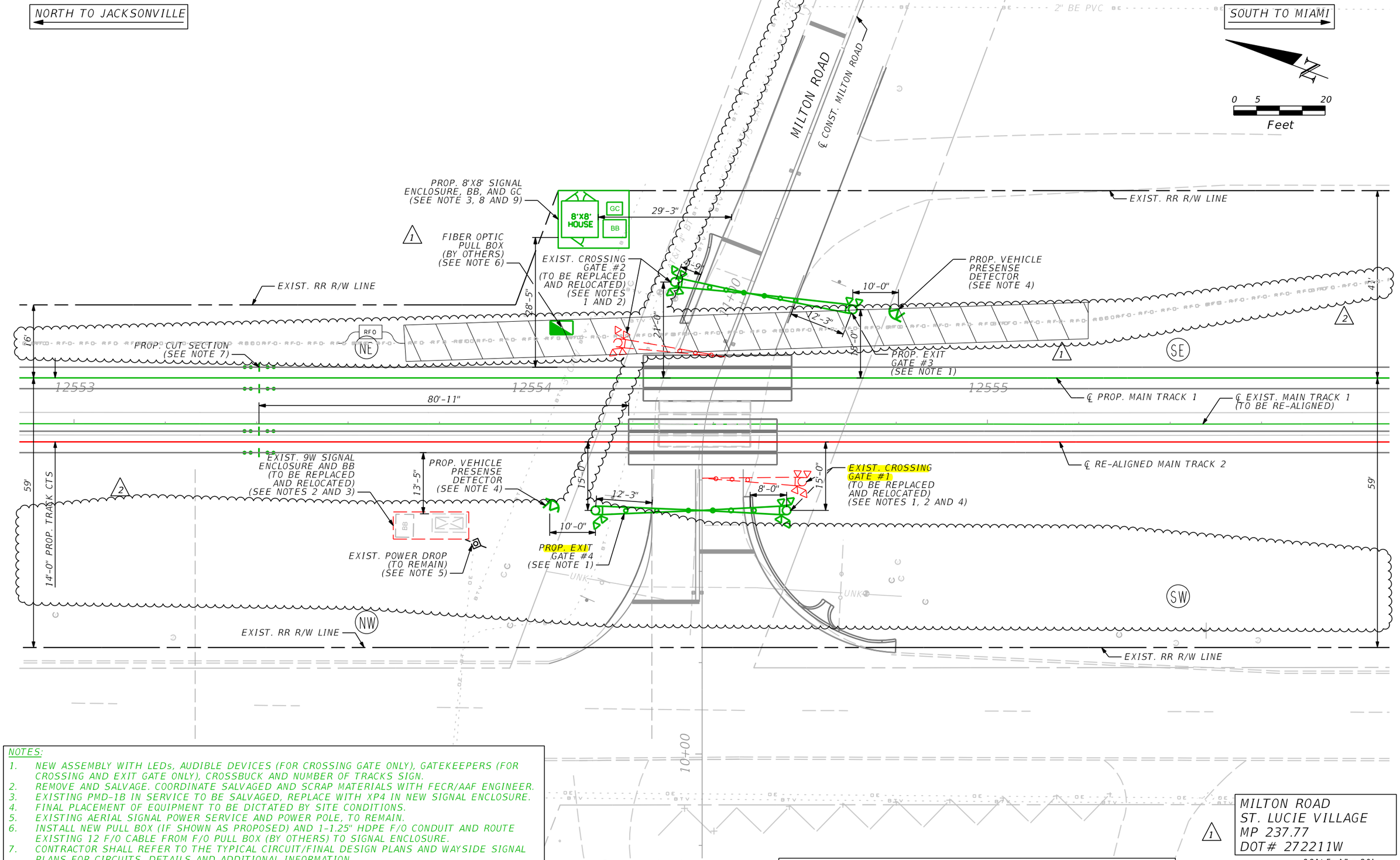
GORKY F. CHARPENTIER, P.E.
P.E. LICENSE NUMBER 47523
URS CORPORATION SOUTHERN
3201 WEST COMMERCIAL BLVD., SUITE 134
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION EB 00000002

1 ALL ABOARD FLORIDA

AAF CONTRACT	SECTION	COUNTY
	D09	ST. LUCIE

SIGNING AND PAVEMENT MARKING PLAN

SCALE:	SHEET NO.
1"=20'	SP-8A
2/17/2020	



NOTES:

1. NEW ASSEMBLY WITH LEDs, AUDIBLE DEVICES (FOR CROSSING GATE ONLY), GATEKEEPERS (FOR CROSSING AND EXIT GATE ONLY), CROSSBUCK AND NUMBER OF TRACKS SIGN.
2. REMOVE AND SALVAGE. COORDINATE SALVAGED AND SCRAP MATERIALS WITH FECR/AAF ENGINEER.
3. EXISTING PMD-1B IN SERVICE TO BE SALVAGED, REPLACE WITH XP4 IN NEW SIGNAL ENCLOSURE.
4. FINAL PLACEMENT OF EQUIPMENT TO BE DICTATED BY SITE CONDITIONS.
5. EXISTING AERIAL SIGNAL POWER SERVICE AND POWER POLE, TO REMAIN.
6. INSTALL NEW PULL BOX (IF SHOWN AS PROPOSED) AND 1-1.25" HDPE F/O CONDUIT AND ROUTE EXISTING 12 F/O CABLE FROM F/O PULL BOX (BY OTHERS) TO SIGNAL ENCLOSURE.
7. CONTRACTOR SHALL REFER TO THE TYPICAL CIRCUIT/FINAL DESIGN PLANS AND WAYSIDE SIGNAL PLANS FOR CIRCUITS, DETAILS AND ADDITIONAL INFORMATION.
8. POTENTIAL SIGNALIZATION OF ADJACENT INTERSECTION TO BE COMPLETED BY OTHERS. INTERCONNECTION TO GRADE CROSSING SIGNAL EQUIPMENT TO BE INSTALLED IF THE ADJACENT INTERSECTION IS COMPLETED CONCURRENTLY OR PRIOR TO GRADE CROSSING CONSTRUCTION.
9. FINAL HOUSE SIZE TO BE DETERMINED IN FINAL DESIGN

GREEN = IN RED = OUT

1 The operation of any circuits and equipment shown and complete operational testing of the system (or sections of the system) into which they are connected.

ALL ABOARD FLORIDA

FINAL PLACEMENT OF ALL EQUIPMENT TO BE DICTATED BY SITE CONDITIONS.

2 GORKY F. CHARPENTIER, P.E.
P.E. LICENSE NUMBER 47523
URS CORPORATION SOUTHERN
3201 WEST COMMERCIAL BLVD., SUITE 134
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION EB 00000002

REVISIONS		
1 - 08/16/2019	DR:	ILR / NRS / BS
2 - 02/07/2020	DES:	ILR / NRS
	CHK:	PS
	APPR:	
	DATE:	2/17/2020

FLORIDA EAST COAST RAILWAY
OFFICE OF THE CHIEF ENGINEER SIGNALS & COMMUNICATIONS
HIGHWAY CROSSING SIGNAL CIRCUITS
CROSSING LAYOUT - D09
MILTON ROAD - MP 237+4044
DOT# 272211W

1 MILTON ROAD
ST. LUCIE VILLAGE
MP 237.77
DOT# 272211W

SCALE: 1" = 20'

FILE	PLANCL272211W.DGN
DRAWING NO.	CL-8
SH. 1 OF 1	

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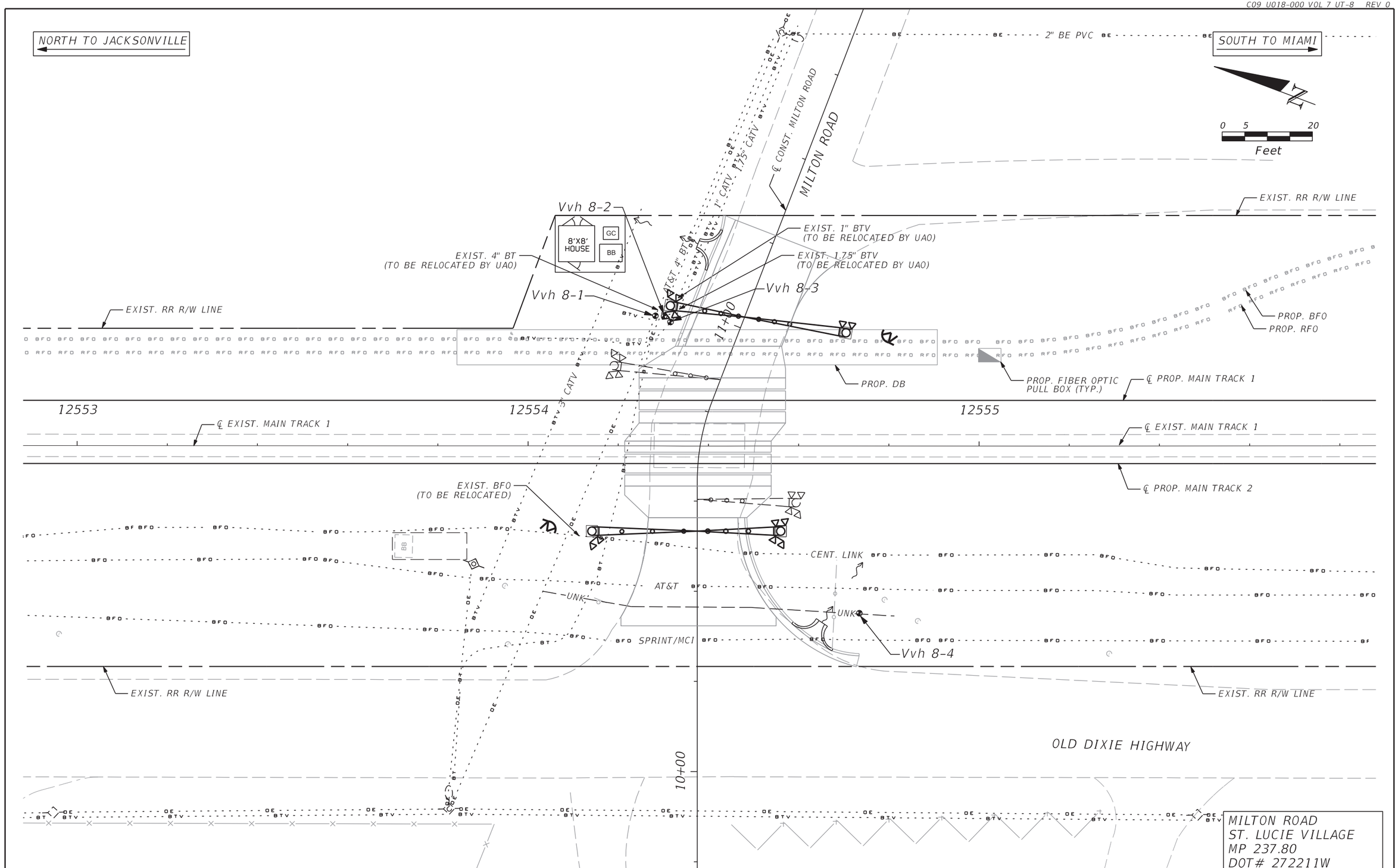

REVISIONS	
DATE	DESCRIPTION

MOHAMED A. ABRAHIEM, P.E.
P.E. LICENSE NUMBER 55238
URS CORPORATION SOUTHERN
7800 CONGRESS AVENUE, SUITE 200
BOCA RATON, FL 33487
CERTIFICATE OF AUTHORIZATION EB 00000002

ALL ABOARD FLORIDA

AAF CONTRACT	SECTION	COUNTY
	D09	ST. LUCIE

UTILITY PLAN

SCALE:	SHEET NO.
1"=20'	
12/21/2018	UT-8

URS 12/21/2018 12:07:32 PM ...\PLANUTAD272211W.DGN

RELEASED FOR CONSTRUCTION - R.M.W., 02-13-2019

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