

CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SPECIFIC PURPOSE/TOPOGRAPHIC SURVEY (FOR INFORMATION ONLY)
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZTION PLANS

INDEX OF ROADWAY PLANS

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GR-2*	SOIL PROFILES
GR-3*	BORING LOCATION PLAN

SUR-1 - SUR-7* SKETCH OF SPECIFIC PURPOSE AND TOPOGRAPHIC SURVEY

* THESE SHEETS ARE INCLUDED IN THE INDEX OF ROADWAY PLANS ONLY TO INDICATE THAT THEY ARE PART OF THE ROADWAY PLANS. THESE SHEETS ARE CONTAINED IN A SEPARATE DIGITALLY SIGNED AND SEALED DOCUMENT.

BEGIN PROJECT
STA. 268+00.00

PROJECT LENGTH IS BASED ON $\frac{1}{2}$ OF SURVEY

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	2830.99	0.5361
BRIDGES		
NET LENGTH OF PROJECT	2830.99	0.5361
EXCEPTIONS		
GROSS LENGTH OF PROJECT	2830.99	0.5361

PLANS WERE PREPARED BASED ON THE NAVD 1988 DATUM
NGVD 1929 DATUM ELEVATION - 1.466' = NAVD 1988 DATUM ELEVATION

COUNTY OF PALM BEACH
STATE OF FLORIDA
LYONS RD. AND BOYNTON BEACH BLVD.

INTERSECTION IMPROVEMENTS
ROADWAY PLANS

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2020110

MARIA G. MARINO
(MAYOR)
DISTRICT 1

GREGG K. WEISS
DISTRICT 2

MARCI WOODWARD
DISTRICT 4

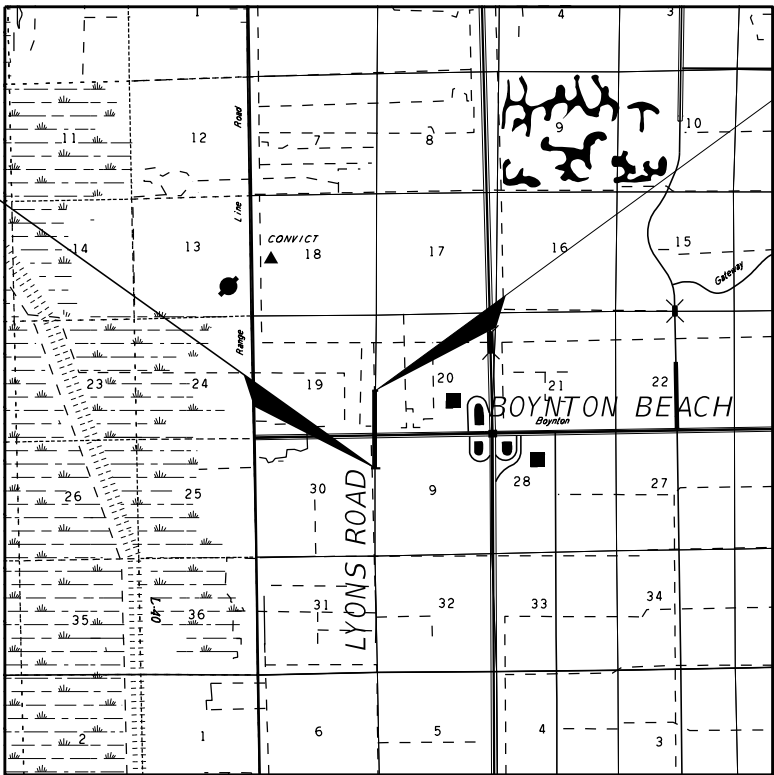
SARA BAXTER
(VICE MAYOR)
DISTRICT 6



JOEL G. FLORES
DISTRICT 3

MARIA SACHS
DISTRICT 5

BOBBY POWELL, JR.
DISTRICT 7



END PROJECT
STA. 46+99.54

FINAL SUBMITTAL

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Governing Specifications are contained in the contract documents for this project. All materials and construction within P.B.C. right-of-way shall conform with the latest FDOT Standard Plans and the latest M.U.T.C.D. and revisions will be in compliance with the F.H.W.A. regulations.

ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY ENGINEERING DEPARTMENT AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

APPROVED BY: MAJHARUL ALAM, P.E.

DATE: 11/13/2025

P.E. NO.: FL REGISTRATION NO. 61600



PROPEL ENGINEERING, LLC.
2711 N VISTA PARKWAY., SUITE NO. B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:



No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: MK
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
KEY SHEET

SHEET: 1
OF: 48
PROJECT NO. 2020110

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF PAY ITEMS				
ROADWAY ITEMS				
ITEM NO	FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNITS	QTY
1	0101 1	MOBILIZATION	LS	1
2	0102 1	MAINTENANCE OF TRAFFIC (INCLUDING PED. MOT)	LS	1
3	0110 1 1	CLEARING AND GRUBBING	LS	1
4	0120 1	REGULAR EXCAVATION	CY	2,086.00
5	0120 6	EMBANKMENT (COMPACTED IN PLACE)	CY	494.00
6	285713	OPTIONAL BASE, BASE GROUP 13	SY	3,161
7	0327 70 1	MILL EXISTING ASPHALT PAVEMENT, 1" AVG DEPTH	SY	15,546
8	0334 1 13	SUPERPAVE ASPHALT CONCRETE (TRAFFIC C) (1.5") (OVERBUILD INCLUDED)	TN	1,003.00
9	0337 7 82	ASPHALT CONCRETE FRICTION COURSE (1.0") (FC-9.5)	TN	1,029.00
10	0339 1	MISCELLANEOUS ASPHALT PAVEMENT	TN	23.30
11	0425 1341	INLETS, CURB, TYPE P-4, <10'	EA	1
12	0425 1351	INLETS, CURB, TYPE P-5, <10'	EA	6
13	0425 1361	INLETS, CURB, TYPE P-6, <10'	EA	2
14	0425 2 41	MANHOLES, P-7, <10'	EA	1
15	0425 5	ADJUST DRAINAGE MAHOLE	EA	1
16	0425 2 43	MANHOLES, P-7, PARTIAL	EA	5
17	043017 4118	HDPE (18" SD)	LF	10
18	0430 17 5118	CONCRETE PIPE CULVERT (18" S/CD)	LF	89
19	0443 70 3	FRENCH DRAIN, 18" (PHDPE)	LF	370
20	N/A	STORM SEWER PUMPING (EXIST.) (24" OR LESS) (SEE SP'S)	LF	377
21	0520 1 10	CONCRETE CURB & GUTTER (TYPE F)	EA	4480
22	N/A	COLOR TREATED STAMPED CONCRETE	SY	923
23	0522 1	CONCRETE SIDEWALK (4" THICK)	SY	901
24	0522 2	CONCRETE SIDEWALK & DRIVEWAY (6" THICK)	SY	101
25	0536 1 1	GUARDRAIL - ROADWAY	LF	1300
26	0536 85 20	GUARDRAIL END TREATMENT - TRAILLING ANCHORAGE	EA	1
27	0536 85 24	GUARDRAIL END TREATMENT - PARRALEL APPROACH TERMINAL	EA	1
28	0570 1 2	SODDING	SY	5123
29	0630 2 11-2A	2 - 2" PVC CONDUITS (SCH 40) (OPEN TRENCH)	LF	1500
30	0630 2 12-2-2	2 - 2" PVC CONDUITS (SCH 40) (DIRECTIONAL)	LF	346
31	0633 1122	FIBER OPTIC CABLE, F&I, UNDERGROUND, 13-48 FIBERS	LF	300
32	0633 2-31	FIBER OPTIC CONNECTION INSTALL, SPLICE	EA	1
33	633 3-12	FIBER OPTIC CONNECTION HARDWARE,INSTALL, SPLICE TRAY	EA	1
34	0635 2 14	PULL BOX (SMALL) (17"X30"X24D)	EA	3
35	0635 2 15	PULL BOX (LARGE) (30"X48"X24D)	EA	1
36	0676 2300	ITS CABINET (HUB), INSTALL	EA	1
CONTINGENCY ITEMS				
ITEM NO	FDOT PAY ITEM NO.	ITEM DESCRIPTION	UNITS	QTY
37	0102 14	TRAFFIC CONTROL OFFICER (NON MOT)	HR	20
38	0102 99	CHANGEABLE (VARIABLE MESSAGE) SIGN (NON MOT)	ED	4
39	0121 70	FLOWABLE FILL	CY	2
40	N/A	STORM SEWER CLEANING (EXIST.) (24" OR LESS) (SEE SP'S)	LF	377
41	N/A	SUPPORT EXISTING UTILITIES DURING PROPOSED UTILITY /DRAINAGE INSTALLATION	LF	200

PAY ITEM & CONTINGENCY ITEM FOOTNOTES

ITEM 2	INCLUDES ALL ITEMS FOR MAINTENANCE OF TRAFFIC WHICH ARE NOT INCLUDED FOR PAYMENT UNDER SEPARATE ITEMS.INCLUDES THE PREPARATION OF TEMPORARY TRAFFIC CONTROL PLANS. INCLUDES PEDESTRIAN MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. INCLUDES TEMPORARY PAVEMENT MARKINGS & SIGNAL.
ITEM 3	INCLUDES REMOVAL OF EXISTING; DRAINAGE STRUCTURES & PIPES; CULVERTS; SIGNS; FENCE; HEDGE; CURBS; SIDEWALKS; ASPHALT; BASE; CONCRETE; GUARDRAIL; TEMPORARY CONSTRUCTION DETOURS; CAPPING OR MODIFYING MONITORING WELLS AND ANY OTHER ITEMS TO BE REMOVED THAT ARE NOT SPECIFICALLY COVERED UNDER ANOTHER SEPARATE PAY ITEM. INCLUDES TREE REMOVAL AND TRIMMING FOR UTILITY INSTALLATION. INCLUDES ALL SAW CUTTING AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
ITEM 4	INCLUDES COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL THAT MAY BE ENCOUNTERED DURING EXCAVATION AS DIRECTED BT THE ENGINEER. INCLUDES ROUGH AND FINAL GRADING AND SHAPING AS NECESSARY FOR FINAL RESTORATION.
ITEM 6	INCLUDES THE COST OF 12" THICK COMPACTION OF SUBGRADE PER FDOT STANDARDS.
ITEM 7-10	INCLUDES BITUMINOUS MATERIAL, PRIME COAT AND TACK COAT, AS REQUIRED. INCLUDES REMOVAL OF EXISTING RPM'S, SAWCUTTING, REMOVAL & HAULING OF MILLED ASPHALT AND REMOVAL OF EXISTING ASPHALT AT BUTT JOINT WHICH TIES-IN EXISTING PAVEMENT.
ITEM 11-19	ITEMS INCLUDE SAW-CUTTING AND REMOVAL OF EXISTING PIPE; CORE DRILLING OR CONCRETE COLLARS TO JOIN NEW PIPE TO EXISTING PIPE; AND ALL REPAIR/RESTORATION OF EXISTING FACILITIES AND SURFACES AS REQUIRED, INCLUDING ANY/ALL SHORING, SHEETING AND BRACING AND/OR TRENCH BOXES AS REQUIRED FOR CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. INCLUDES THE COST OF FABRICATION, FURNISHING AND INSTALLING ALL COMPONENTS OF STORM WATER CONTROL STRUCTURE(S) AS DETAILED IN THE PLANS. INCLUDES THE COST OF ALL LABOR AND MATERIAL FOR "OPEN-CUT" PAVEMENT REPAIRS. THE COST OF PIPE SHALL INCLUDE THE COST OF BACK FILLING REQUIRED OVER PIPES TO FINISHED GRADES AS SHOWN ON THE PLANS.
ITEM 21	INCLUDES THE COST OF DROP CURB, CURB PAD FOR MEDIAN AND MODIFIED TYPE F CURB AND GUTTER.
ITEM 23-24	THE COST OF DETECTABLE WARNING SURFACES AND ADA RAMPS ARE INCLUDED IN THE COST OF THIS PAY ITEM. INCLUDES COST OF CONCRETE SLABS.
ITEM 25	INCLUDES THE COST OF PIPE RAILS.

ANY WORK FOR PBC WATER UTILITY FACILITIES SHALL BE COMPLETED BY WATER UTILITY DEPARTMENT (WUD) SEPARATELY



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Seal:

MAJHARUL ALAM
P.E.# 61600

No.	Revisions	By	Date



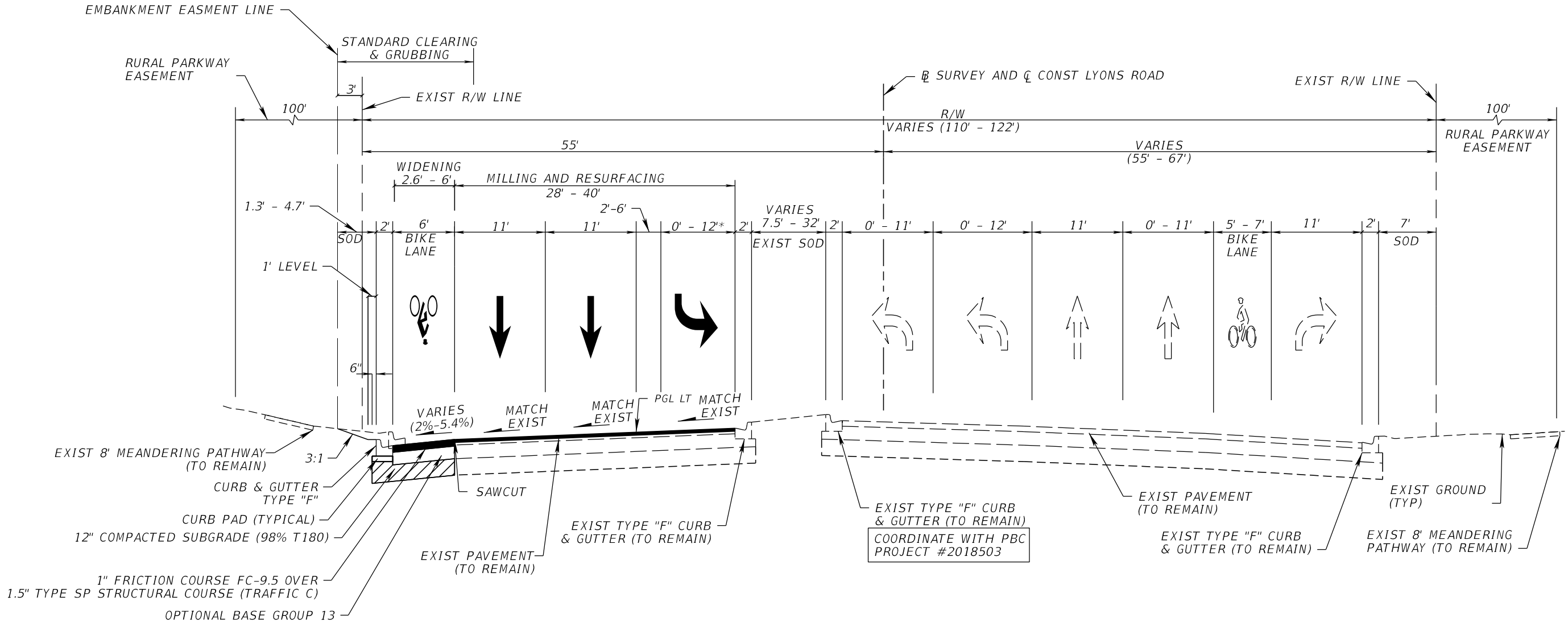
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: MK
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD INTERSECTION IMPROVEMENTS
SUMMARY OF PAY ITEMS

SHEET:	2
OF:	48
PROJECT NO.	2020110

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* SEE PLAN FOR LOCATION OF TURN LANE

COORDINATE WITH PBC #2018503

DESIGN SPEED = 45 MPH

POSTED SPEED = 45 MPH

TYPICAL SECTION

LYONS ROAD
SOUTH OF BOYNTON BEACH BOULEVARD
STA. 268+00.00 TO STA. 278+65.00

MILLING

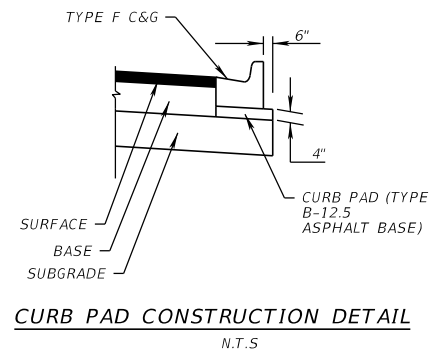
MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

RESURFACING

1" FRICTION COURSE FC-9.5

WIDENING

OPTIONAL BASE GROUP 13 WITH 12" COMPACTED SUBGRADE (98% T180)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" FRICTION COURSE FC-9.5



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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TYPICAL SECTION

SHEET: 3
OF: 48
PROJECT NO.
2020110

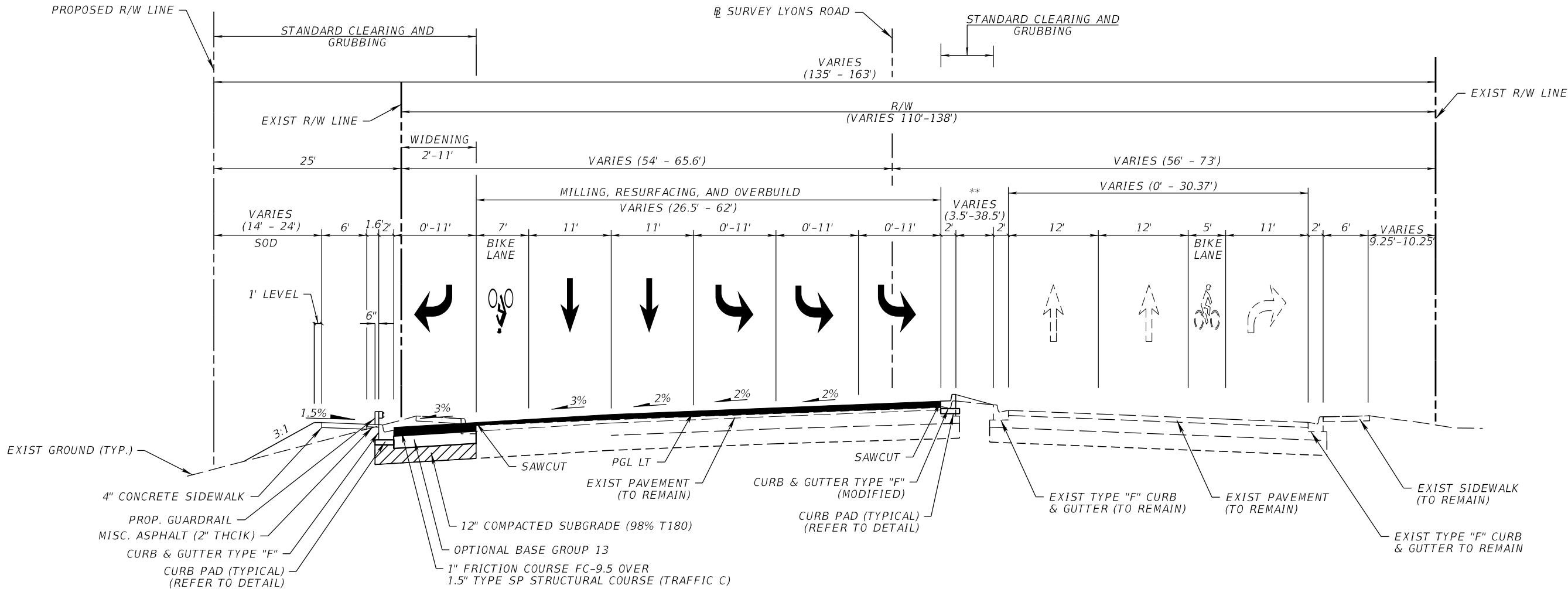
Mohammad Khan

11/13/2025

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TYPICAL SECTION
LYONS ROAD
NORTH OF BOYNTON BEACH BOULEVARD
STA. 31+63.61 STA. 39+30.65

MILLING
MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

RESURFACING
1" FRICTION COURSE FC-9.5

WIDENING
OPTIONAL BASE GROUP 13 WITH 12" COMPACTED SUBGRADE (98% T180)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" FRICTION COURSE FC-9.5

OVERBUILD
TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(AVERAGE THICKNESS 2.25" (±))

* SEE PLANS FOR LIMITS OF MILLING AND RESURFACING
(END STA 31+63.61, RT)

** SEE PLANS FOR LIMITS OF COLOR TREATED
STAMPED CONCRETE AND SOD

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

*FOR CROSS SLOPES IN AREAS OF CROSS SLOPE CORRECTION SEE CROSS SLOPE CORRECTION DETAILS.

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ROADWAY PRODUCTION
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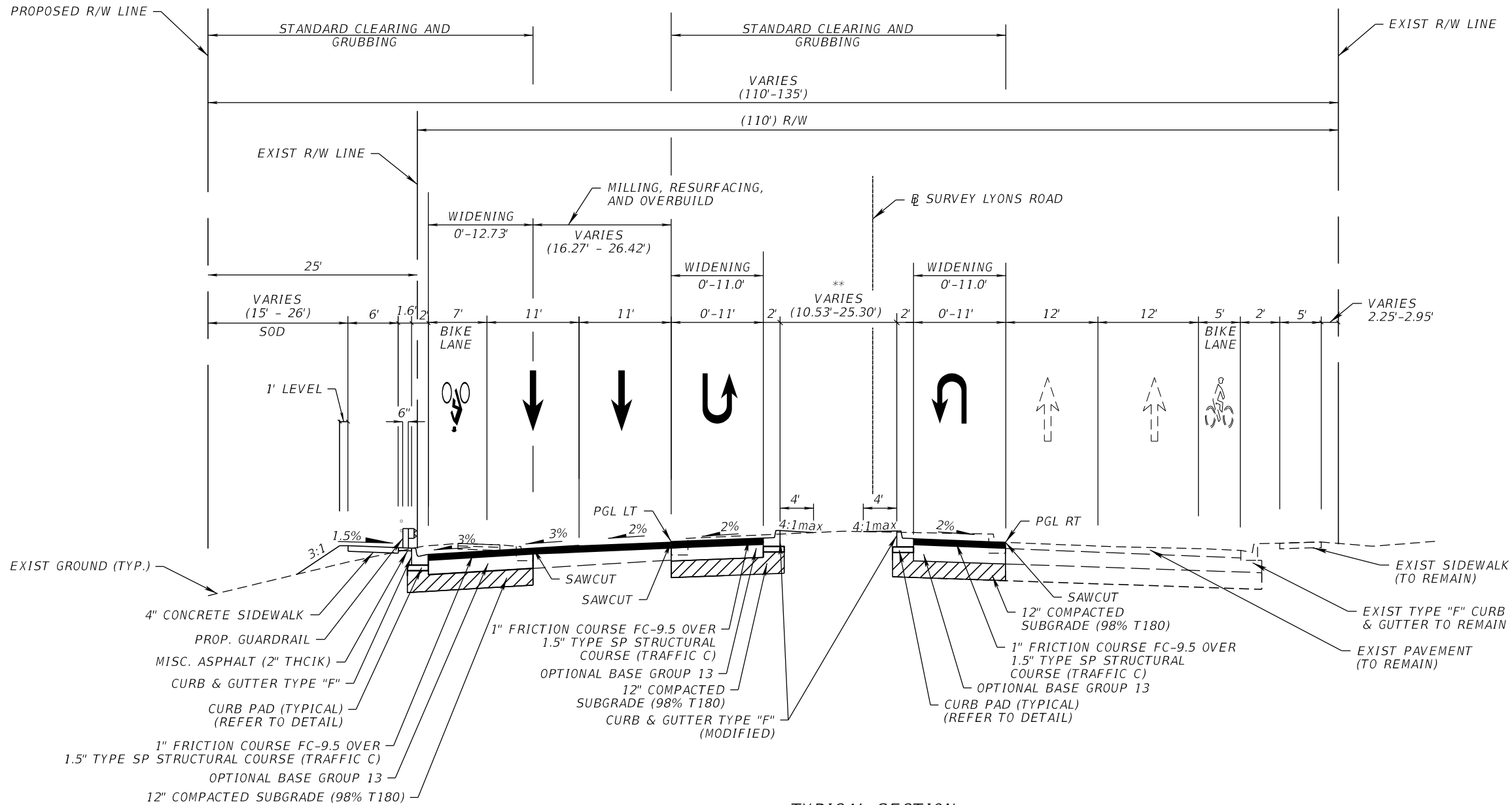
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TYPICAL SECTION

SHEET: 4
OF: 48
PROJECT NO. 2020110

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TYPICAL SECTION

LYONS ROAD
NORTH OF BOYNTON BEACH BOULEVARD
STA. 39+30.65 STA. 46+99.89

MILLING

MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

RESURFACING

1" FRICTION COURSE FC-9.5

WIDENING

OPTIONAL BASE GROUP 13 WITH 12" COMPACTED SUBGRADE (98% T180)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" FRICTION COURSE FC-9.5

OVERBUILD

TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(AVERAGE THICKNESS 2.25" (±))

* SEE PLANS FOR LIMITS OF MILLING AND RESURFACING
AND OVERBUILD.

** SEE CROSS SECTIONS FOR LIMITS OF SOD

DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

*FOR CROSS SLOPES IN AREAS OF CROSS SLOPE CORRECTION SEE CROSS SLOPE CORRECTION DETAILS.



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No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

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LYONS RD. AND BOYNTON BEACH BLVD

INTERSECTION IMPROVEMENTS

ROADWAY PLAN

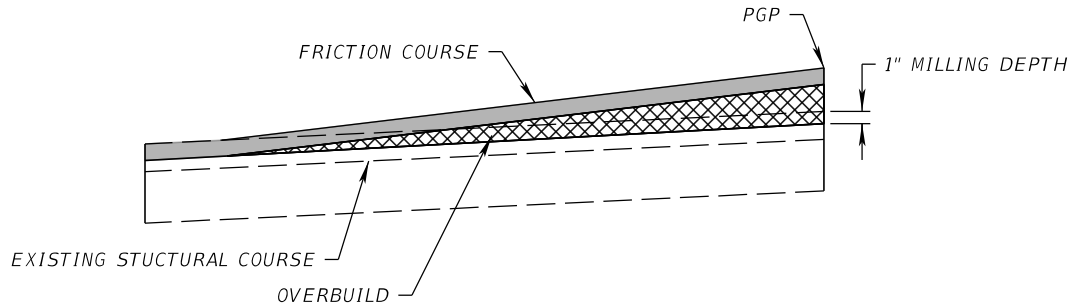
SHEET: 5

OF: 48

PROJECT NO.
2020110

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MILLING & RESURFACING AND OVERBUILD DETAIL

LYONS ROAD
NORTH OF BOYNTON BEACH BOULEVARD
STA. 32+10.00 STA. 46+99.51

OVERBUILD
TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(AVERAGE THICKNESS (±) 2.25")

OVERBUILD DETAILS										
CL CONST STATION	OVERBUILD LEFT SIDE									
	OVERBUILD FOR 2% PROPOSED SLOPE					OVERBUILD FOR 3% PROPOSED SLOPE				
	EXIST. SLOPE	BEGIN OFFSET	OVERBUILD DEPTH AT BEGIN OFFSET	END OFFSET	OVERBUILD DEPTH AT END OFFSET	EXIST. SLOPE	BEGIN OFFSET	OVERBUIL D DEPTH AT BEGIN OFFSET	END OFFSET	OVERBUILD DEPTH AT END OFFSET
	(%)	(FT)	(IN)	(FT)	(IN)	(%)	(FT)	(IN)	(FT)	(IN)
33+00.00	1.85	6.5 RT	3.00	37.5 LT	2.28	1.81	37.5 LT	2.28	53.35 LT	0.00
34+00.00	1.91	6.5 RT	2.76	37.5 LT	2.28	1.93	37.5 LT	2.28	55.24 LT	0.00
35+00.00	1.83	6.5 RT	2.10	37.5 LT	1.62	1.93	37.5 LT	1.62	43.37 LT	1.02
36+00.00	2.07	6.5 RT	1.80	37.5 LT	2.64	2.19	37.5 LT	2.64	43.18 LT	1.98
37+00.00	2.08	6.5 RT	0.90	37.5 LT	1.32	2.08	37.5 LT	1.32	43.15 LT	0.66
38+00.00	2.34	13.32 LT	0.78	37.5 LT	1.86	2.37	37.5 LT	1.86	42.85 LT	1.44
39+00.00	2.18	25.80 LT	2.46	36.80 LT	2.58	2.14	36.80 LT	2.58	41.97 LT	2.10
40+00.00	2.15	24.05 LT	3.60	35.05 LT	3.78	1.91	35.05 LT	3.78	40.55 LT	3.18
41+00.00	1.93	22.31 LT	3.78	33.31 LT	3.84	2.37	33.31 LT	3.84	40.35 LT	3.18
42+00.00	0.99	20.56 LT	6.30	31.56 LT	4.08	0.99	31.56 LT	4.08	40.33 LT	0.00
43+00.00	1.68	12.32 LT	5.34	29.82 LT	4.62	2.26	29.82 LT	4.62	40.73 LT	3.60
44+00.00	2.12	12.25 LT	4.14	28.07 LT	4.14	1.77	28.07 LT	4.14	40.62 LT	2.22
45+00.00	2.03	12.36 LT	4.68	26.31 LT	4.98	1.25	26.33 LT	4.98	40.84 LT	2.40
46+00.00	2.45	12.38 LT	1.32	24.58 LT	1.98	1.65	24.58 LT	1.98	40.59 LT	0.24

Overbuild Calculation					
Project	Lyons Road and Boynton Beach Intersection Improvements				
Station	Distance	Area	Average Area	Volume	Comments
	(Feet)	(Square Feet)	(Square Feet)	(Cubic Feet)	
32+10.00		0.00			
	90.00		5.60	504	
33+00.00		11.20			
	100		11.15	1115	
34+00.00		11.11			
	100		9.11	911	
35+00.00		7.11			
	100		8.22	822	
36+00.00		9.33			
	100		6.90	690	
37+00.00		4.48			
	100		3.90	390	
38+00.00		3.32			
	100		3.32	332	
39+00.00		3.33			
	100		4.15	415	
40+00.00		4.98			
	100		5.27	527	
41+00.00		5.57			
	100		6.21	621	
42+00.00		6.85			
	100		8.83	883	
43+00.00		10.81			
	100		9.80	980	
44+00.00		8.79			
	100		9.37	937	
45+00.00		9.95			
	100		6.36	636	
46+00.00		2.76			
	99.51		1.38	137	
46+99.51		0.00			
			Total Volume =	9898	
	OVERBUILD UNIT WT (LBS/CF)				
	150				
		Overbuild asphalt Concrete Weight	TON	742	
		Overbuild Area(SF)	SF	52265	
		Average Overbuild Thickness	Inch	2.27	2.25" (+/-) average thick overbuild over the overbuild area.

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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TYPICAL SECTION DETAILS

SHEET: 6
OF: 48
PROJECT NO. 2020110

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GENERAL NOTES:

1.PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 556.105 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINE.

2.GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.

3.BENCHMARK DATUM IS REFERRED TO THE NORTH AMERICAN VERTICAL DATUM 1988.

4.EXISTING SECTION CORNERS, QUARTER SECTION CORNERS, PROPERTY CORNERS, PALM BEACH COUNTY SURVEY CONTROL MONUMENTS AND ALL OTHER PERMANENT MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION BY A PROFESSIONAL SURVEYOR & MAPPER WITH A MONUMENT BEARING EITHER THE FLORIDA LICENSE NUMBER OR CERTIFICATE OF AUTHORIZATION NUMBER OF THE PARTY IN RESPONSIBLE CHARGE.

5.UNLESS OTHERWISE SHOWN, ALL EXISTING DRAINAGE STRUCTURES, WITHIN THE LIMITS OF CONSTRUCTION, ARE TO REMAIN.

6.UTILITIES ARE TO BE ADJUSTED BY OTHERS, UNLESS OTHERWISE NOTED.

7.THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY: THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE START DATE OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.

8.THE FOLLOWING IS A LIST OF UTILITY OWNERS:

COMPANY	CONTACT	PHONE
AT&T FLORIDA	GREG KEUHN	(561)-413-6159
COMCAST	MICHAEL CONNELL	(954)-789-9762
FPL DISTRIBUTION	DAVID FUCHS	(321)-214-3814
MCI	INVESTIGATIONS TEAM	(800)-624-9675 x2
CROWN CASTLE	FIBERDIG TEAM	(888)-632-0931 x2
HOTWIRE COMMUNICATIONS	WALTER SANCHO-DAVILA	(954)-699-0900
FLORIDA PUBLIC UTILITIES CO.	FERNANDO VANLEEUEWEN	(561)-398-2338
PALM BEACH COUNTY WATER UTILITIES	JACKIE MICHELS	(561)-493-6116
PALM BEACH COUNTY TRAFFIC DIV - SIGNAL	FATOUSH JAFAR	(561)-684-4030
PALM BEACH COUNTY TRAFFIC DIV - ITS	DANIEL RODRIGUEZ	(561)-689-3923

9.UTILITY LOCATIONS MAY ALSO BE DETERMINED BY CALLING SUNSHINE ONE-CALL AT 1-800-432-4770 AND THE RESPECTIVE UTILITY COMPANY.

10.STATIONS AND OFFSETS REFER TO THE BASELINE OF SURVEY, UNLESS OTHERWISE NOTED.

11.INTERSECTING ROADS AND DRIVEWAYS ARE TO BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.

12.MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FLORIDA DOT STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

13.ALL PIPES SHALL BE IN ACCORDANCE WITH FLORIDA DOT AND PALM BEACH COUNTY REQUIREMENTS.

14.ALL INLET DRAINAGE STRUCTURES SHALL HAVE A MINIMUM 2' SUMP, UNLESS OTHERWISE SHOWN, EXCEPT CONTROL STRUCTURES. WEEP HOLES SHALL NOT BE A PART OF THESE SUMPS.

15.NO CONSTRUCTION SHALL BE COMMENCED UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A NOTICE OF PROCEED.

16.ALL TEMPORARY AND PERMANENT BENCHMARKS ARE TO BE PROTECTED DURING CONSTRUCTION.

17.ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR IS TO NOTIFY THE COUNTY SURVEYOR.

18.ANY VERTICAL DATUM MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHOULD NOTIFY:

GEODETIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION
ATTN: N/CG-162
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND 20852
TELEPHONE NO. (301) 443-8319

19.CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES AS INDICATED IN FDOT STANDARD INDEXES WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE, LOCAL AND NPDES WATER QUALITY STANDARDS.

20.ALL EXISTING IRRIGATION SYSTEM COMPONENTS CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OFF BY THE CONTRACTOR. ALL IRRIGATION VALVE BOXES AND VALVE SHALL BE CAREFULLY REMOVED AND RETURNED TO PBC STREETScape SECTION IN GOOD WORKING ORDER. EXISTING PIPES SHALL BE CAPPED PRESSURE TIGHT AT THE R/W LINE OR LIMITS OF CONSTRUCTION. EXISTING CONTROL WIRING SHALL BE CUT SEALED AND LEFT BURIED BELOW GRADE AT THE R/W LINE OR LIMITS OF CONSTRUCTION. IN ALL CASES, THE CONTRACTOR SHALL CLEARLY MARK IN THE FIELD ALL IRRIGATION SYSTEM BREAKS IN A MANNER ACCEPTABLE TO THE ENGINEER FOR FUTURE RECONNECTION OR EXTENSION BY OTHERS. THE COST FOR IRRIGATION SYSTEM REMOVAL, CAPPING PIPES, AND SEALING WIRING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR CLEARING AND GRUBBING.

21.CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

22.ALL EXISTING PALM BEACH COUNTY SIGNS WITHIN THE LIMITS OF CONSTRUCTION WHICH ARE TO BE RELOCATED OR REMOVED SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED WITHIN THE R/W FOR REMOVAL OR RELOCATION BY PALM BEACH COUNTY FORCES. NOTIFY PALM BEACH COUNTY TRAFFIC OPERATIONS AT (561) 233-3900.

23.THE CONTRACTOR SHALL PROVIDE A WALKABLE PATHWAY THROUGHOUT THE PROJECT AT ALL TIMES AT THE CONTRACTOR'S COST.

24.ALL VEGETATION, DEBRIS, CONCRETE OR OTHER UNSUITABLE MATERIAL SHALL BE DISPOSED LEGALLY OFF SITE IN AREAS PROVIDED BY THE CONTRACTOR AT HIS EXPENSE.

25.THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES AND ASSUMES RESPONSIBILITY OF ANY DAMAGES OR PERSONAL INJURY, SHOULD AN ACCIDENT OCCUR.

26.ALL UTILITY POLES WITHIN PALM BEACH COUNTY RIGHT-OF-WAY CONFLICTING WITH THE PROPOSED CONSTRUCTION, AS DETERMINED BY THE COUNTY ENGINEER, WILL BE ADJUSTED BY OTHERS.

27.WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5') FEET BETWEEN THE POLE AND ANY EXCAVATION.

28.WHEN WORKING WITHIN TEN (10') FEET OF A TRAFFIC SIGNAL POLE, PALM BEACH COUNTY TRAFFIC OPERATIONS SHALL BE NOTIFIED AT (561) 233-3900.

29.THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJOINING PROPERTIES AT ALL TIMES AND SCHEDULE WORK TO EXPEDITE DRIVEWAY DRAINAGE STRUCTURE INSTALLATION IN THE VICINITY OF ABUTTING PROPERTIES.

30.WHERE OPEN-CUTS OF THE EXISTING ROADWAY ARE MADE IN ORDER TO INSTALL PIPELINES, CONDUITS, OR SLEEVES, REPAIR THE PAVEMENT IN ACCORDANCE WITH THE "OPEN-CUT PAVEMENT REPAIR DETAIL". MAINTAIN REPAIRED PAVEMENT FOR THE DURATION OF THE PROJECT.

31.NONE OF THE EXISTING BASE MATERIAL THAT IS REMOVED IS TO BE USED IN CONSTRUCTION OF NEW ROADWAY BASE.

32.IN THE AREAS OF PAVEMENT WIDENING, ALL EXISTING PAVEMENT EDGES ARE TO BE SAW CUT TO A CLEAN, STRAIGHT AND UNIFORM SURFACE.

33.THE CONTRACTOR SHALL TAKE ALL NECESSARY CARE AND CAUTION TO PREVENT MILLED MATERIALS FROM ENTERING THE EXISTING AND PROPOSED DRAINAGE SYSTEM. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ITEM MILLING EXISTING ASPHALT PAVEMENT.



PROPEL ENGINEERING, LLC.

2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: MK
DATE: 11/13/2025

11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

GENERAL NOTES

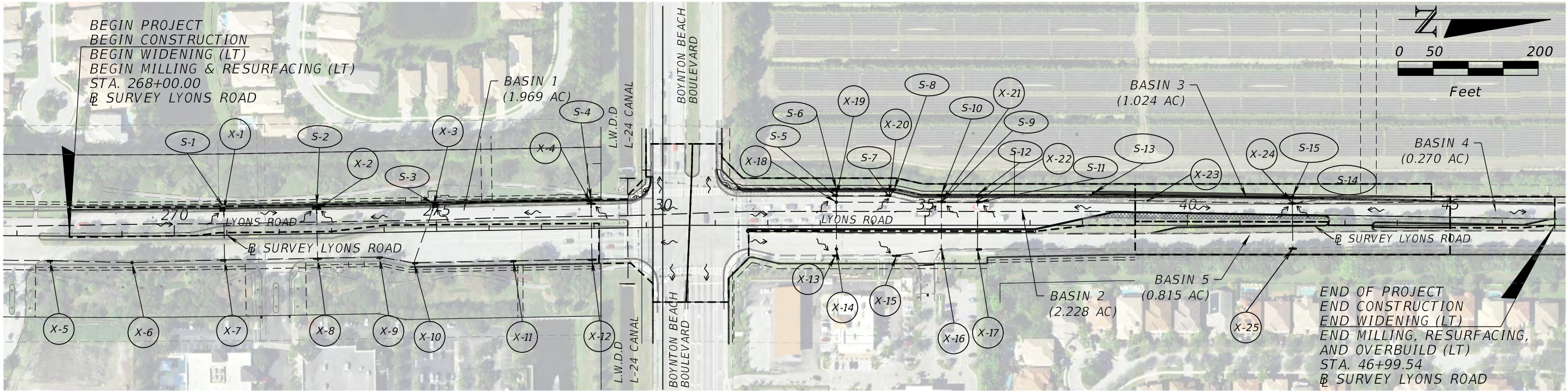
SHEET: 7
OF: 48

PROJECT NO.
2020110

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X-1

REMOVE EXIST DRAINAGE INLET
EOP EL. = 18.87'
INV. (E.) = 10.81' (18" RCP)
BOTTOM OF STRUCTURE EL. = 8.76'

X-2

REMOVE EXIST DRAINAGE INLET
TOP = 18.72'
INV. (E.) = 10.84' (18" RCP)
BOTTOM OF STRUCTURE EL. = 9.14'

X-3

REMOVE EXIST DRAINAGE INLET
TOP = 19.37'
INV. (E.) = 11.36' (18" RCP)
BOTTOM OF STRUCTURE EL. = 9.33'

X-4

REMOVE EXIST DRAINAGE INLET
TOP = 20.19'
INV. (E.) = 10.62' (18" RCP)
BOTTOM OF STRUCTURE EL. = 8.66'

X-5

DRAINAGE INLET
EOP EL. = 18.82'
INV. (N.) = 9.26' (42" RCP)
INV. (S.) = 9.26' (42" RCP)
BOTTOM OF STRUCTURE EL. = 7.36'

X-6

STORM MANHOLE
RIM EL. = 19.71'
INV. (N.) = 9.67' (42" RCP)
INV. (S.) = 9.54' (42" RCP)
BOTTOM OF STRUCTURE EL. = 8.11'

X-7

DRAINAGE INLET
EOP EL. = 18.85'
INV. (N.) = 9.82' (30" RCP)
INV. (W.) = 10.34' (18" RCP)
INV. (S.) = 9.78' (42" RCP)
BOTTOM OF STRUCTURE EL. = 7.87'

X-8

DRAINAGE INLET
TOP = 18.77'
INV. (N.) = 9.89' (30" RCP)
INV. (W.) = 10.45' (18" RCP)
INV. (S.) = 9.98' (30" RCP)
BOTTOM OF STRUCTURE EL. = 8.07'

X-9

DRAINAGE INLET
TOP = 19.04'
INV. (N.) = 10.03' (30" RCP)
INV. (S.) = 10.03' (30" RCP)
BOTTOM OF STRUCTURE EL. = 7.88'

X-10

DRAINAGE INLET
TOP = 18.88'
INV. (N.) = 30.13' (30" RCP)
INV. (W.) = 10.62' (18" RCP)
INV. (S.) = 10.08' (30" RCP)
BOTTOM OF STRUCTURE EL. = 8.07'

X-11

DRAINAGE INLET
TOP = 19.61'
INV. (N.) = 10.29' (24" RCP)
INV. (S.) = 10.28' (30" RCP)
BOTTOM OF STRUCTURE EL. = 8.30'

X-12

DRAINAGE INLET
TOP = 20.05'
INV. (S.) = 10.55' (24" RCP)
INV. (W.) = 10.47' (18" RCP)
BOTTOM OF STRUCTURE EL. = 8.80'

X-13

DRAINAGE INLET
TOP = 19.46'
INV. (W.) = 15.60' (14"X22" RCP)
BOTTOM OF STRUCTURE EL. = 13.94'

X-14

DRAINAGE MANHOLE
TOP = 19.60'
INV. (E.) = 15.53' (14"X22" RCP)
INV. (W.) = 16.63' (18" RCP)
BOTTOM OF STRUCTURE EL. = 13.66'

X-15

DRAINAGE INLET
TOP = 19.14'
INV. (N.) = 14.49' (14"X22" RCP)
BOTTOM OF STRUCTURE EL. = 12.84'

X-16

DRAINAGE INLET
TOP = 18.81'
INV. (S.) = 14.88' (18" RCP)
INV. (W.) = 14.71' (14"X24" RCP)
BOTTOM OF STRUCTURE EL. = 12.86'

X-17

DRAINAGE INLET
TOP = 19.61'
INV. (W.) = 14.05' (18" RCP)
BOTTOM OF STRUCTURE EL. = 12.27'

X-18

DRAINAGE MANHOLE
TOP = 19.53'
INV. (N.) = 15.18' (30" RCP)
INV. (E.) = 15.16' (18" RCP)
INV. (W.) = 15.30' (18" RCP)
BOTTOM OF STRUCTURE EL. = 15.13'

X-19

MODIFY EXIST CURB INLET TYPE P-5
TO MANHOLE TYPE P-7 (PARTIAL)
FDOT INDEX NO. 425-001
RIM EL. = 19.28'
INV. (E.) = 15.10' (18" RCP)
INV. (W.) = 15.10' (18" RCP)
INV. (N.) = 15.15' (18" RCP)
BOTTOM OF STRUCTURE EL. = 13.23'

X-20

MODIFY EXIST CURB INLET TYPE P-5
TO MANHOLE TYPE P-7 (PARTIAL)
FDOT INDEX NO. 425-001
RIM EL. = 18.99'
INV. (S.) = 15.33' (18" RCP)
INV. (NW.) = 15.40' (18" RCP)
BOTTOM OF STRUCTURE EL. = 13.39'

X-21

MODIFY EXIST CURB INLET TYPE P-6
TO MANHOLE TYPE P-7 (PARTIAL)
FDOT INDEX NO. 425-001
RIM EL. = 18.99'
INV. (S.) = 14.59' (30" RCP)
INV. (N.) = 13.74' (30" RCP)
INV. (E.) = 14.44' (18" RCP)
INV. (W.) = 14.40' (18" RCP)
BOTTOM OF STRUCTURE EL. = 11.83'

X-22

MODIFY EXIST CURB INLET TYPE P-5
TO MANHOLE TYPE P-7 (PARTIAL)
FDOT INDEX NO. 425-001
RIM EL. = 19.27'
INV. (S.) = 13.63' (30" RCP)
INV. (E.) = 13.28' (18" RCP)
INV. (W.) = 13.25' (18" RCP)
BOTTOM OF STRUCTURE EL. = 11.63'

X-23

DRAINAGE MANHOLE
RIM EL. = 20.54'
INV. (N.) = 13.17' (36" RCP)
INV. (S.) = 13.42' (36" RCP)
BOTTOM OF STRUCTURE EL. = 12.50'

X-24

MODIFY EXIST CURB INLET TYPE P-6
TO MANHOLE TYPE P-7 (PARTIAL)
FDOT INDEX NO. 425-001
RIM EL. = 19.25'
INV. (S.) = 12.92' (30" RCP)
INV. (N.) = 12.28' (30" RCP)
INV. (E.) = 13.68' (18" RCP)
INV. (W.) = 13.60' (18" RCP)
BOTTOM OF STRUCTURE EL. = 10.06'

X-25

DRAINAGE INLET
RIM EL. = 18.88'
INV. (W.) = 13.88' (15" RCP)
BOTTOM OF STRUCTURE EL. = 11.90'

NOTE:

DO NOT USE THE INFORMATION ON THIS SHEET
FOR CONSTRUCTION PURPOSES. THIS SHEET
IS IN THE PLANS FOR DOCUMENTATION AND
TO ASSIST CONSTRUCTION PERSONNEL WITH
DRAINAGE CONCERNS.

LEGEND

X-X EXISTING STRUCTURE

PROPEL

PROPEL ENGINEERING, LLC.

2711 N VISTA PARKWAY, SUITE B-7
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Seal:

MAJHARUL ALAM
P.E.# 61600

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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DATE: 11/13/2025

11/13/2025

LYONS ROAD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

DRAINAGE MAP

SHEET: 8

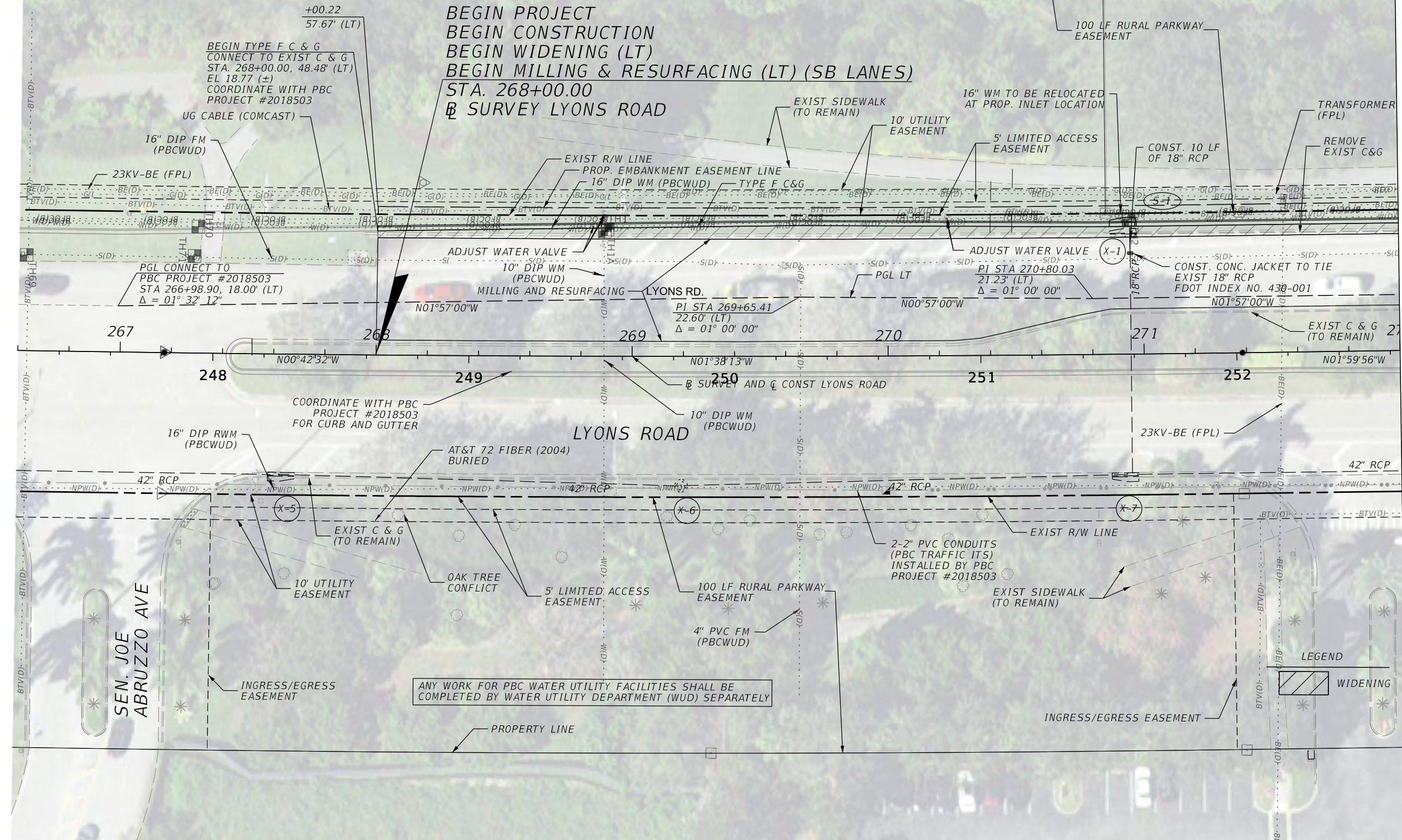
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

SHEET: 9
OF: 48
PROJECT NO.
2020110

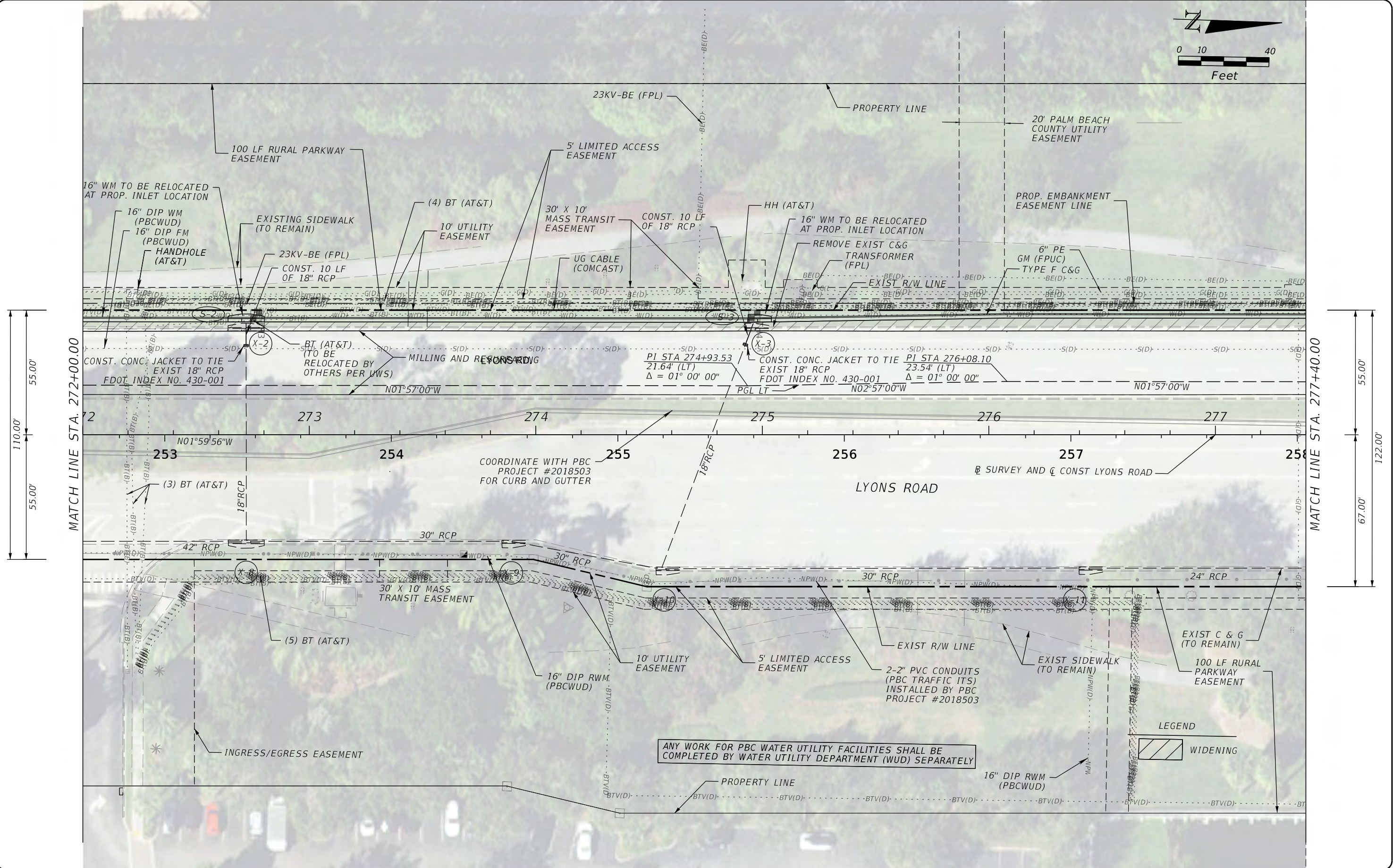
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

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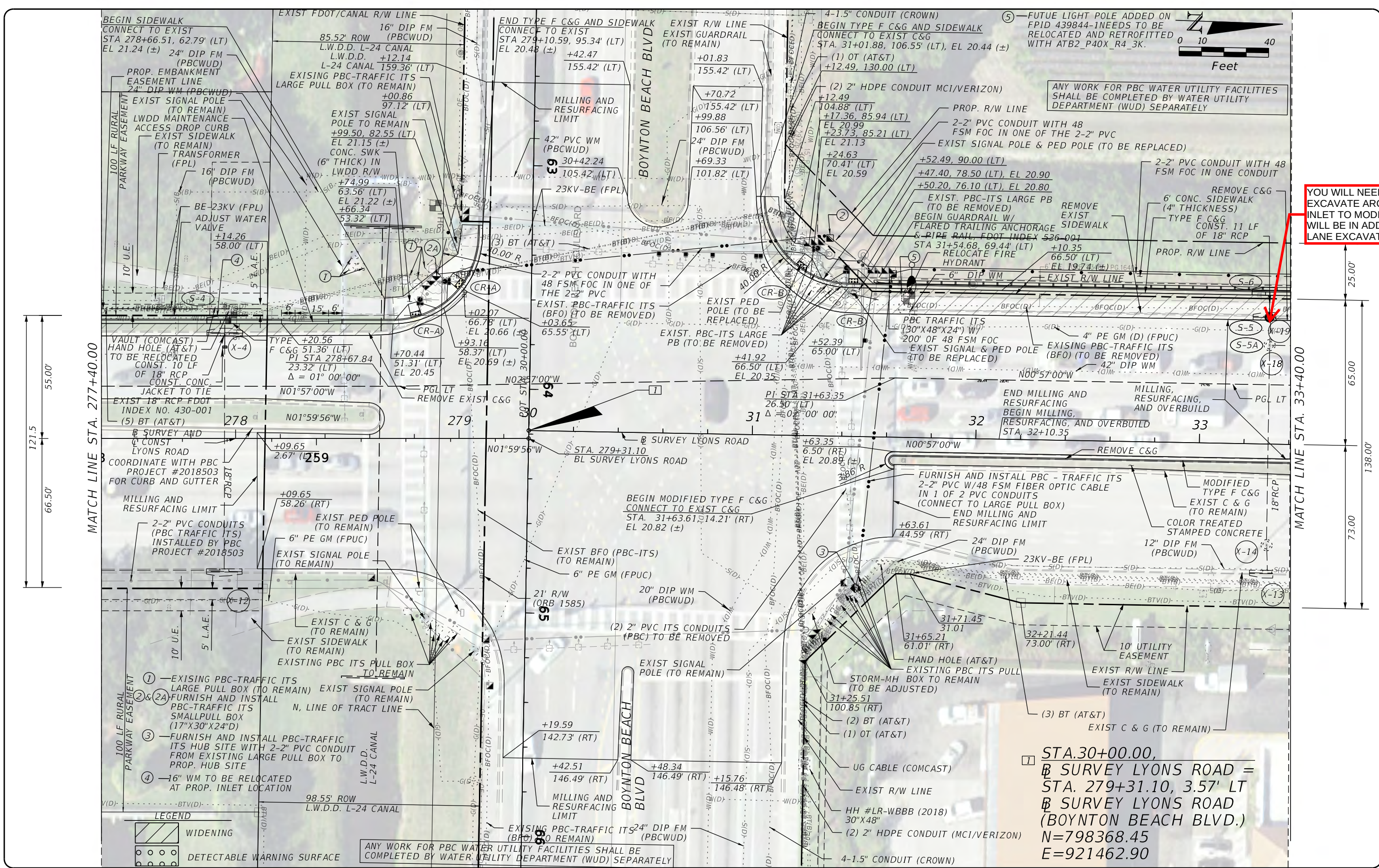
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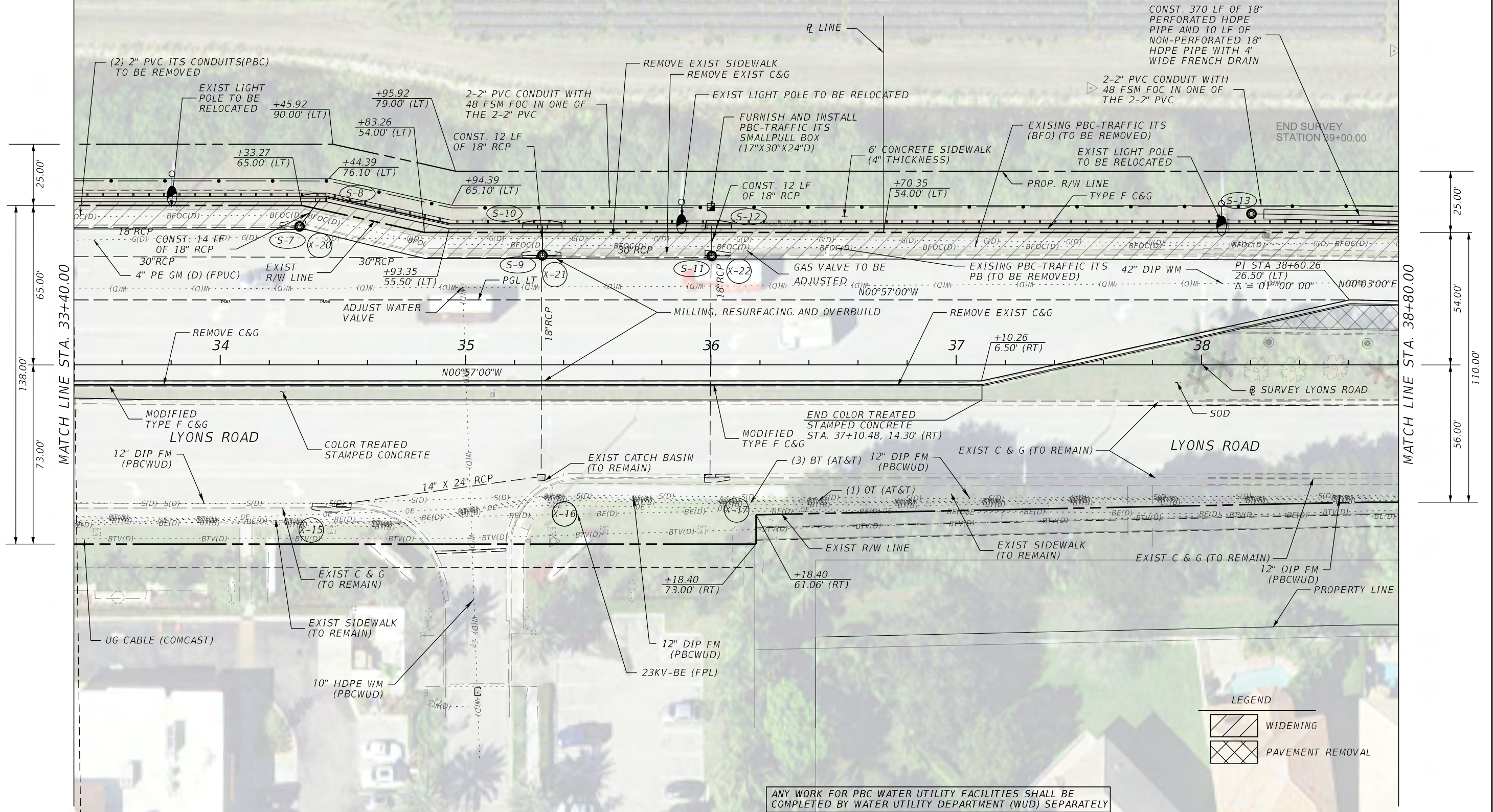
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

SHEET: 12
OF: 48
PROJECT NO.
2020110

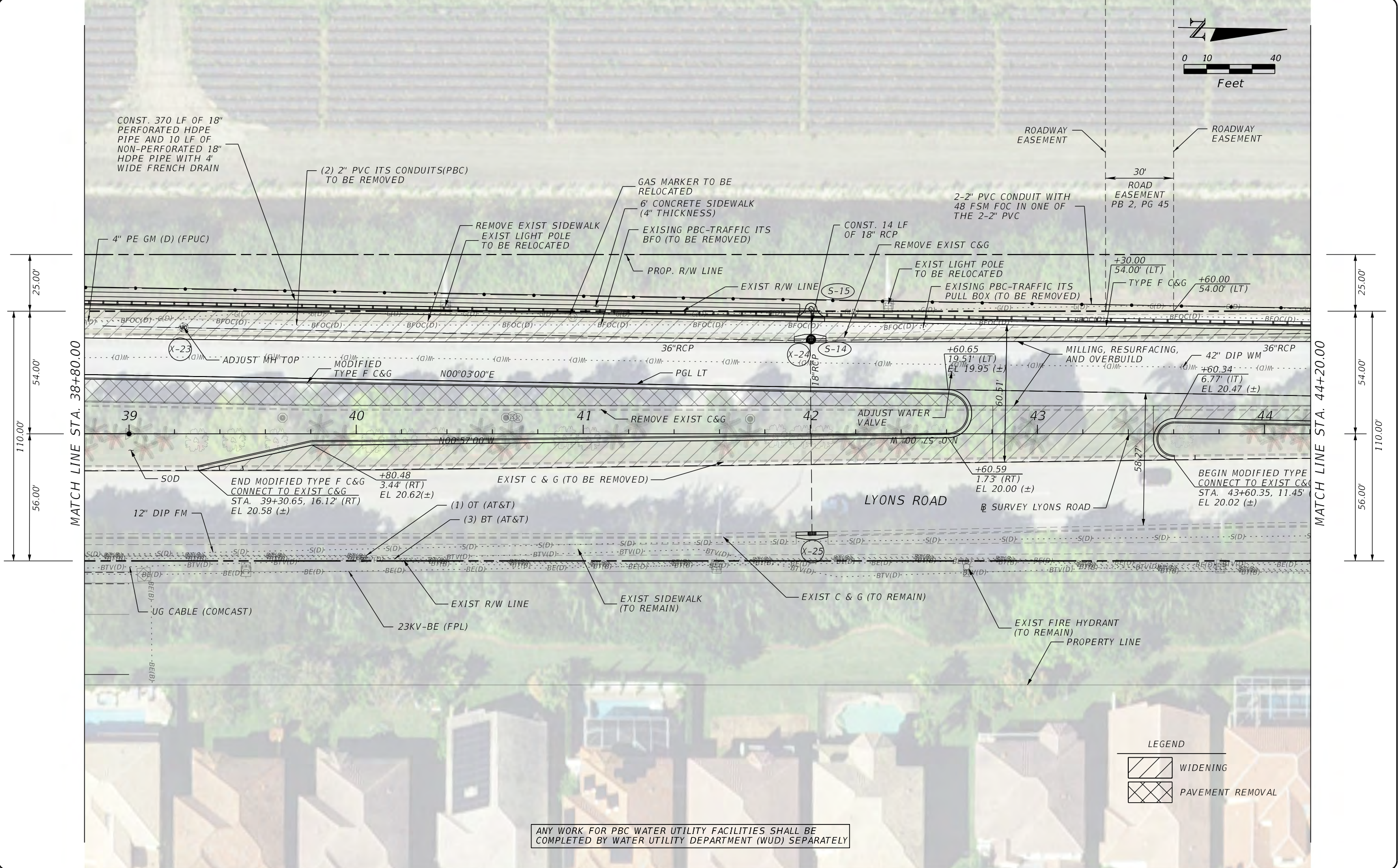
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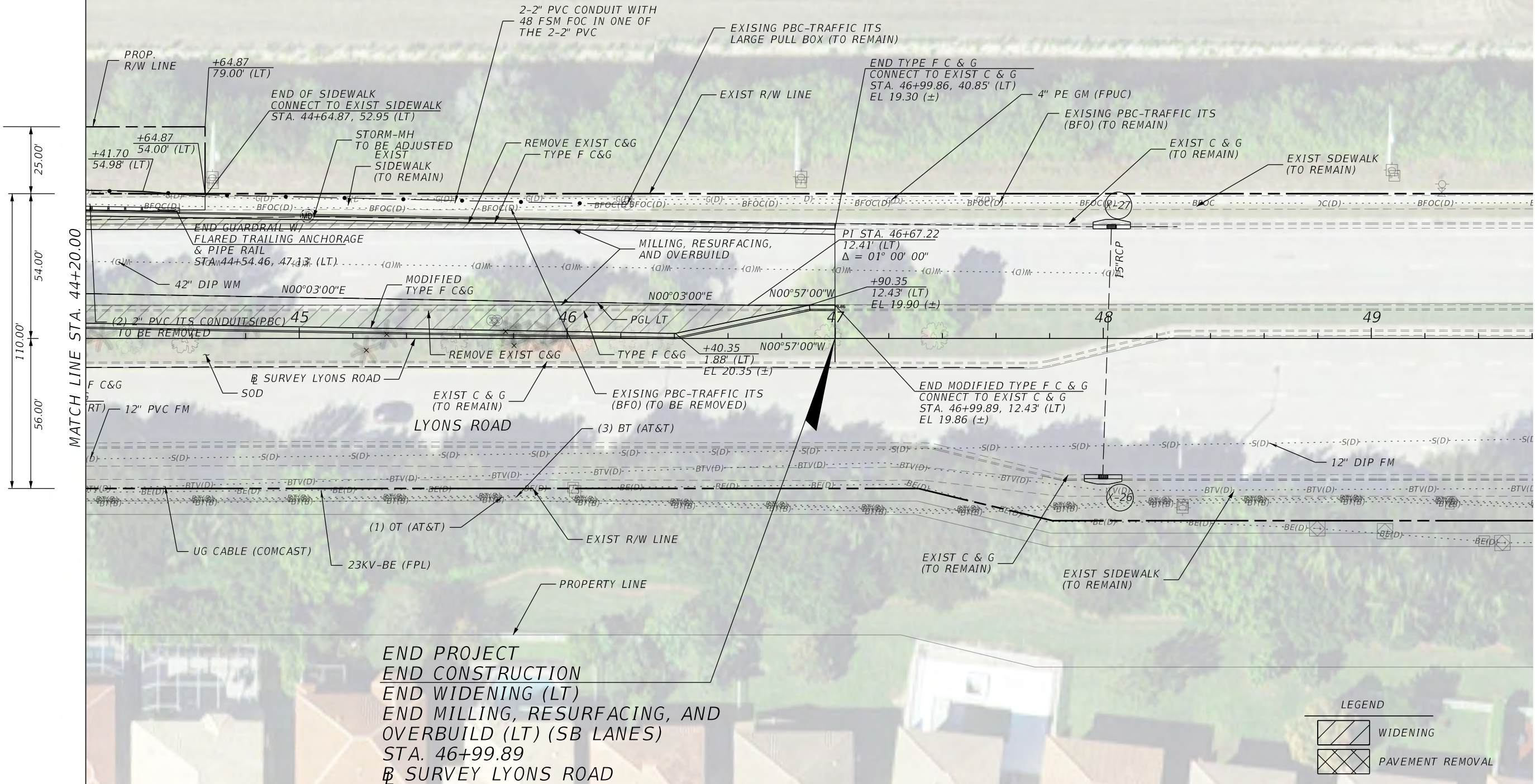
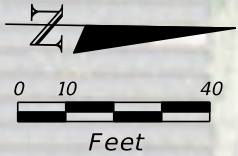
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ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

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PROJECT NO.
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ANY WORK FOR PBC WATER UTILITY FACILITIES SHALL BE COMPLETED BY WATER UTILITY DEPARTMENT (WUD) SEPARATELY



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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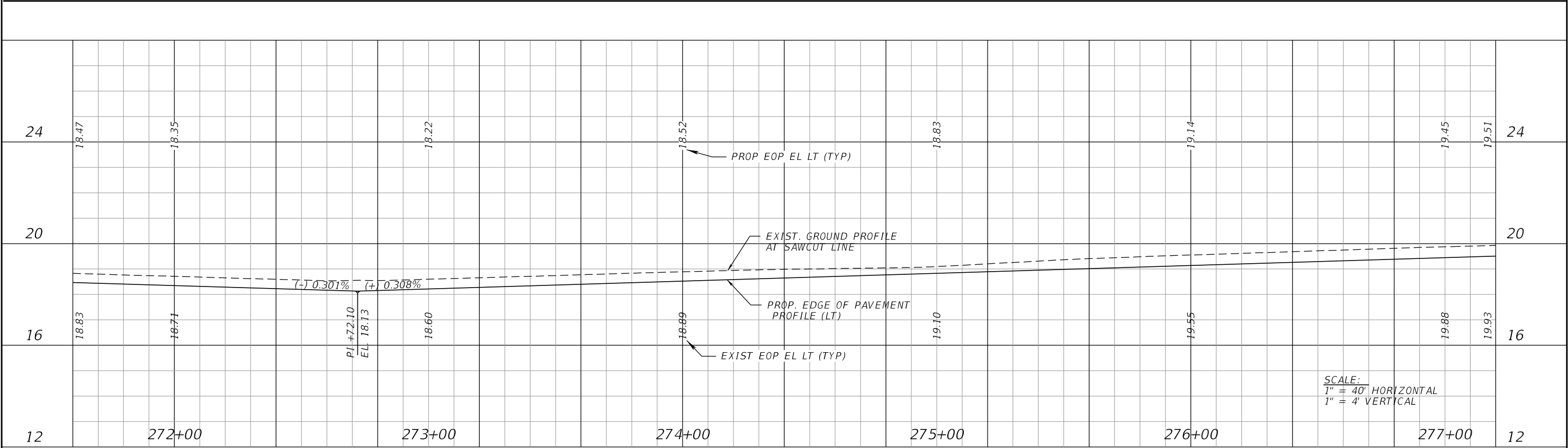
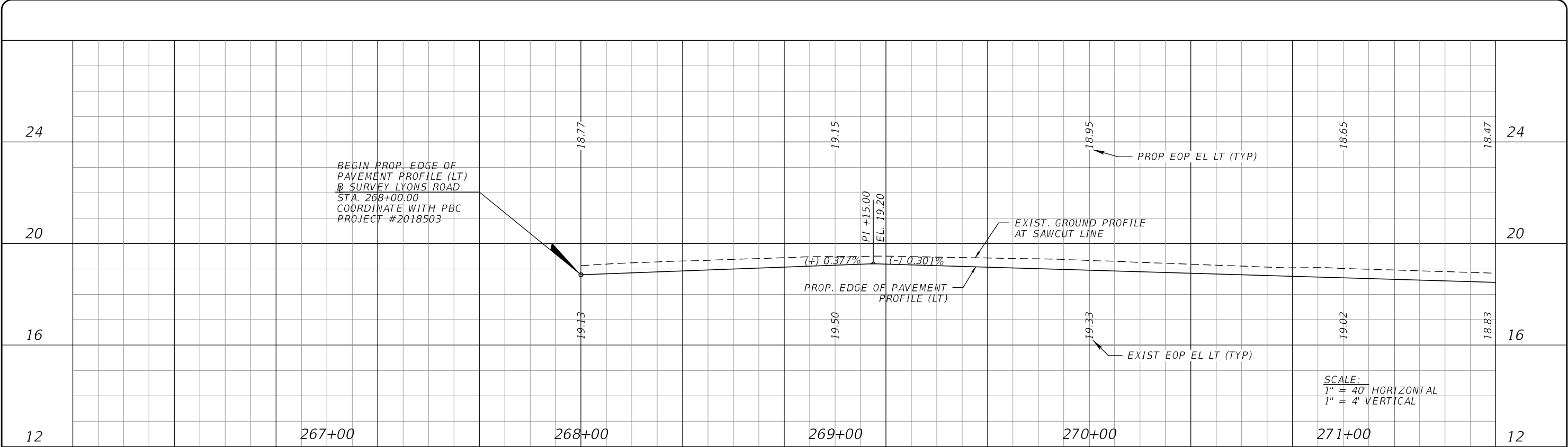
LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
ROADWAY PLAN

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PROJECT NO.
2020110

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'

APPROVED: MA

DRAWN: ARB

CHECKED: MK

DATE: 11/13/2025

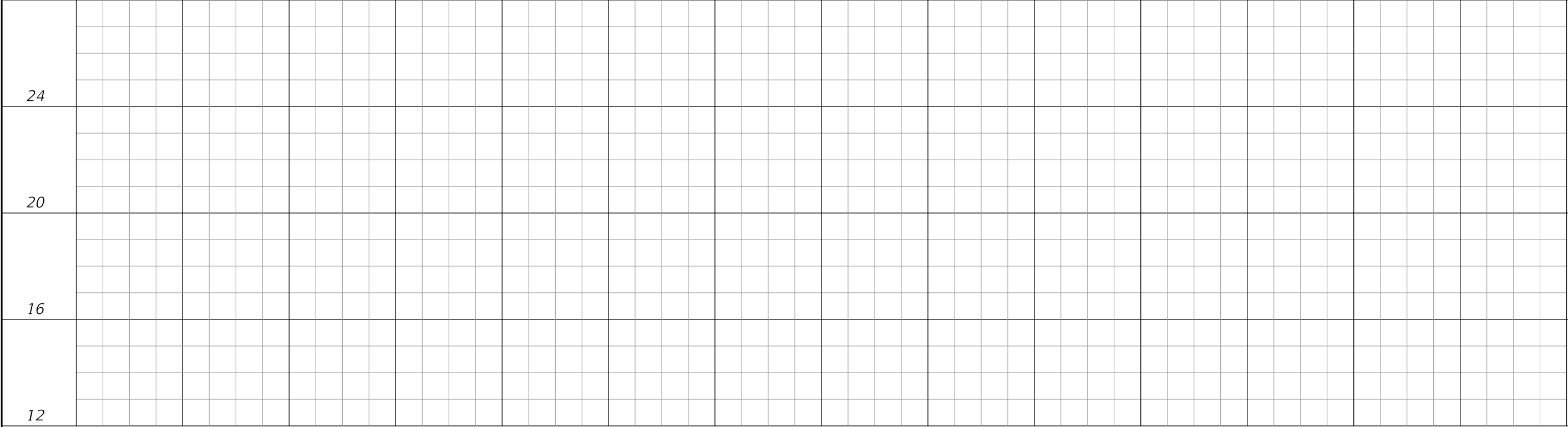
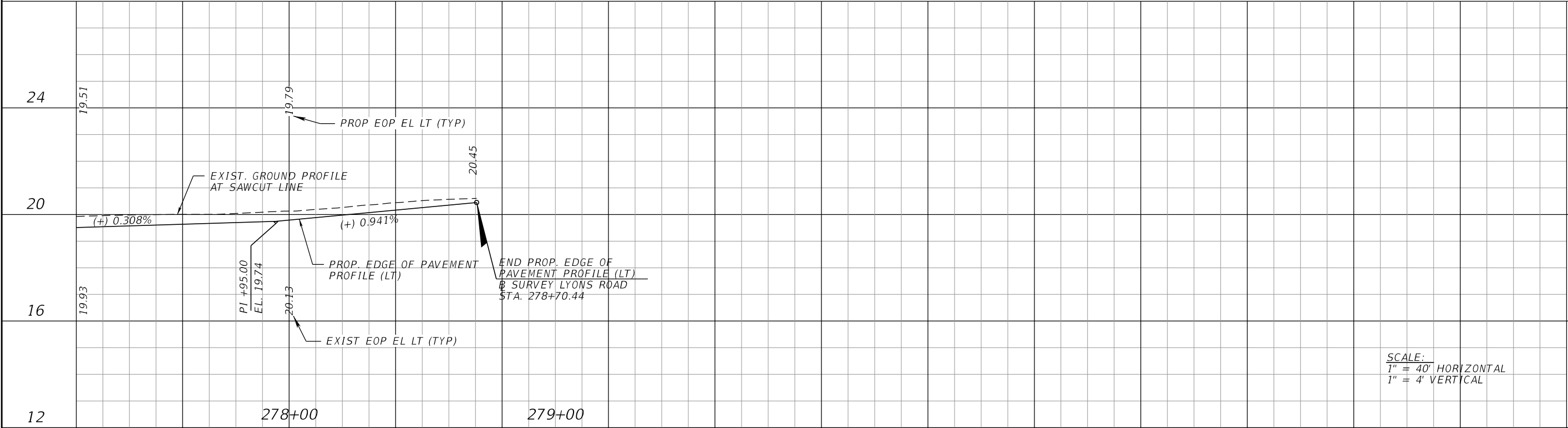
LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

ROADWAY PROFILE

SHEET: 15
OF: 48

PROJECT NO.
2018503

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PROPEL ENGINEERING, LLC.
2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:



No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'

APPROVED: MA

DRAWN: ARB

CHECKED: MK

DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

ROADWAY PROFILE

SHEET: 16
OF: 48

PROJECT NO.
2018503

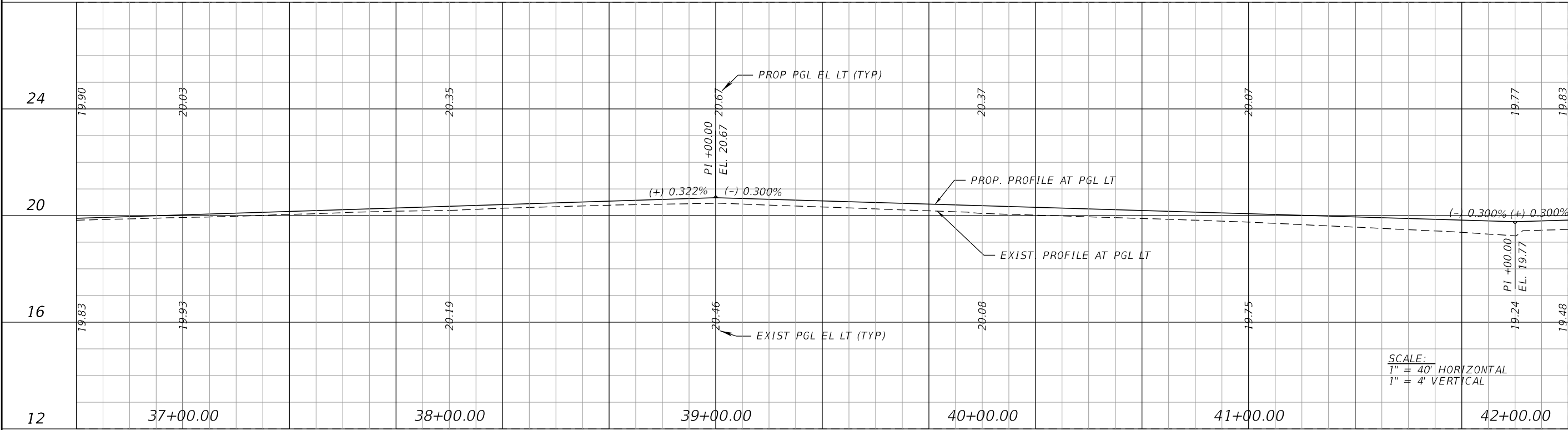
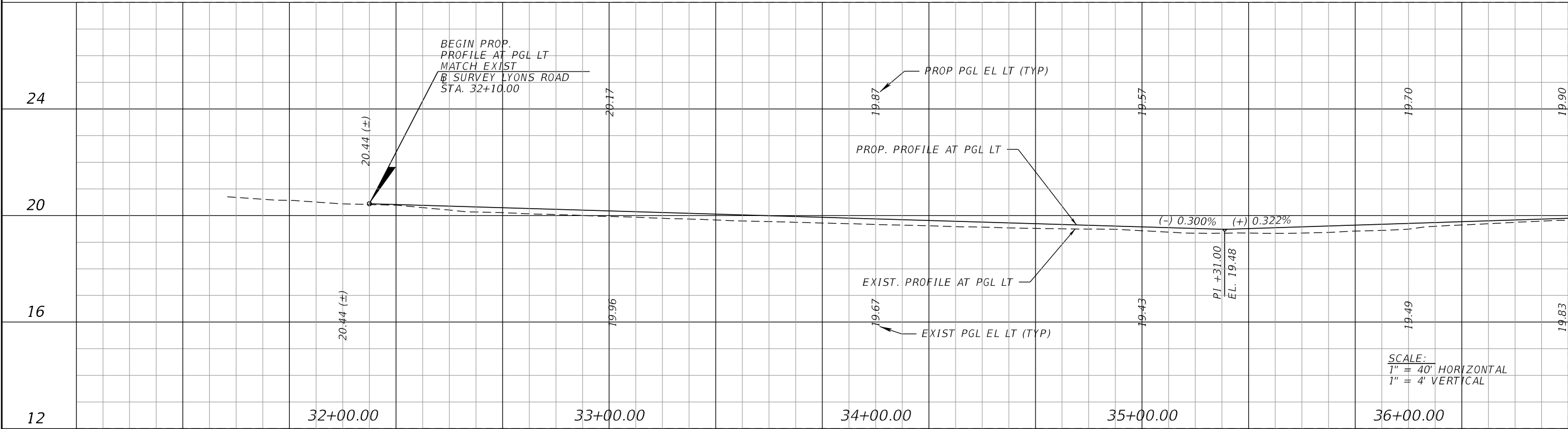
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WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:



No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: ARB
CHECKED: MK
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

ROADWAY PROFILE

SHEET: 17
OF: 48

PROJECT NO.
2018503

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Profile view of Lyons Road showing proposed and existing elevations, grades, and stationing.

Vertical Curve Data:

Station	Grade (%)	Elevation (ft)
44+00.00	(+) 0.300%	20.37
45+00.00	(-) 0.350%	20.67
46+00.00	(-) 0.350%	20.32
47+00.00	(-) 0.462%	19.86

Profile Labels:

- PROP. PGL EL LT (TYP)
- EXIST. PGL EL LT (TYP)
- PROP. PROFILE AT PGL LT
- EXIST. PROFILE AT PGL LT
- END PROP. PROFILE AT PGL LT MATCH EXIST @ SURVEY LYONS ROAD STA. 46+99.51

Scale:
 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

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[illegible]

SHEET: 18
OF: 48
PROJECT NO.
2018503

S-2

STA. 272+72.10 (49.82' LT TO EOP)
CONST. INLET TYPE P-6
FDOT INDEX NO. 425-021
EOP EL. = 18.13'
FL (E.) = 10.85' (18" RCP)
BOTTOM OF STRUCTURE EL. = 8.85'

EL 18.32
EL 18.34
0.054
19.47

(4) BT (AT&T)
BT (AT&T) (TO BE RELOCATED PER UWS)

6" PE GM (FPUC)
23KV - BE (FPL)
23KV - BE (FPL)
BTV (COMCAST) (POTHOLE PENDING)
16" DIP WM (PBCWUD) (REFER TO TH03) (TO BE RELOCATED)

CONST. CONC. JACKET TO TIE EXIST 18" RCP
EL 10.81 (±)
FDOT INDEX 430-001
CONST. 18" RCP

EXIST 18" RCP (TO REMAIN)

FROM X-9
TO X-7

12" RWM (PBCWUD)
2-2" PVC CONDUITS (PBC TRAFFIC ITS) INSTALLED BY PBC PROJECT #2018503

X-8
EXIST INLET (TO REMAIN)

S-2
272+72.10

S-1

STA. 270+94.81 (49.91' LT TO EOP)
CONST. INLET TYPE P-5
FDOT INDEX NO. 425-021
EOP EL. = 18.66'
FL (E.) = 10.82' (18" RCP)
BOTTOM OF STRUCTURE EL. = 8.82'

EL 18.84
EL 18.86
0.048
19.86

23KV - BE (FPL)
6" PE GM (FPUC)
BTV (COMCAST) (POTHOLE PENDING)
(2) BFOG (AT&T)
16" DIP WM (PBCWUD) (TO BE RELOCATED)

CONST. CONC. JACKET TO TIE EXIST 18" RCP
EL 10.77 (±)
FDOT INDEX 430-001
CONST. 18" RCP

EXIST 18" RCP (TO REMAIN)

FROM X-8
TO X-6

2-2" PVC CONDUITS (PBC TRAFFIC ITS) INSTALLED BY PBC PROJECT #2018503

12" RWM (PBCWUD)
X-7
EXIST INLET (TO REMAIN)

S-1
270+94.81

1" = 20' Horizontal
1" = 10' Vertical

SURVEY LYONS ROAD

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SHEET: 19
OF: 48
PROJECT NO.
2030100

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View S-4: STA. 277+95.17 (51.38' LT TO EOP)
 CONST. INLET TYPE P-5
 FDOT INDEX NO. 425-021
 EOP. EL. = 19.74'
 FL (E.) = 10.63' (18" RCP)
 BOTTOM OF STRUCTURE EL. = 8.63'

View S-3: STA. 274+96.03 (49.67' LT TO EOP)
 CONST. INLET TYPE P-5
 FDOT INDEX NO. 425-021
 EOP. EL. = 18.82'
 FL (E.) = 11.24' (18" RCP)
 BOTTOM OF STRUCTURE EL. = 9.24'

Common Notes:
 16" DIP WM (PBCWUD) (REFER TO TH05) (TO BE RELOCATED)
 16" DIP FM (PBCWUD)
 CONST. CONC. JACKET TO TIE EXIST 18" RCP EL 10.61(±) FDOT INDEX 430-001
 CONST. 18" RCP
 EXIST 18" RCP (TO REMAIN)
 2-2" PVC CONDUITS (PBC TRAFFIC ITS) INSTALLED BY PBC PROJECT #2018503
 EXIST INLET (TO REMAIN)
 12" RWM (PBCWUD)
 6" PE GM (FPUC)
 23KV - BE (FPL)
 (5) BT (AT&T)
 BTV (COMCAST) (POTHOLE PENDING)
 16" DIP WM (PBCWUD) (REFER TO TH04) (TO BE RELOCATED)
 CONST. 18" RCP

Scale:
 1" = 20' Horizontal
 1" = 10' Vertical

PROPEL

PROPEL ENGINEERING, LLC.
2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM, PE
P.E.# 61600

No.	Revisions	By	Date



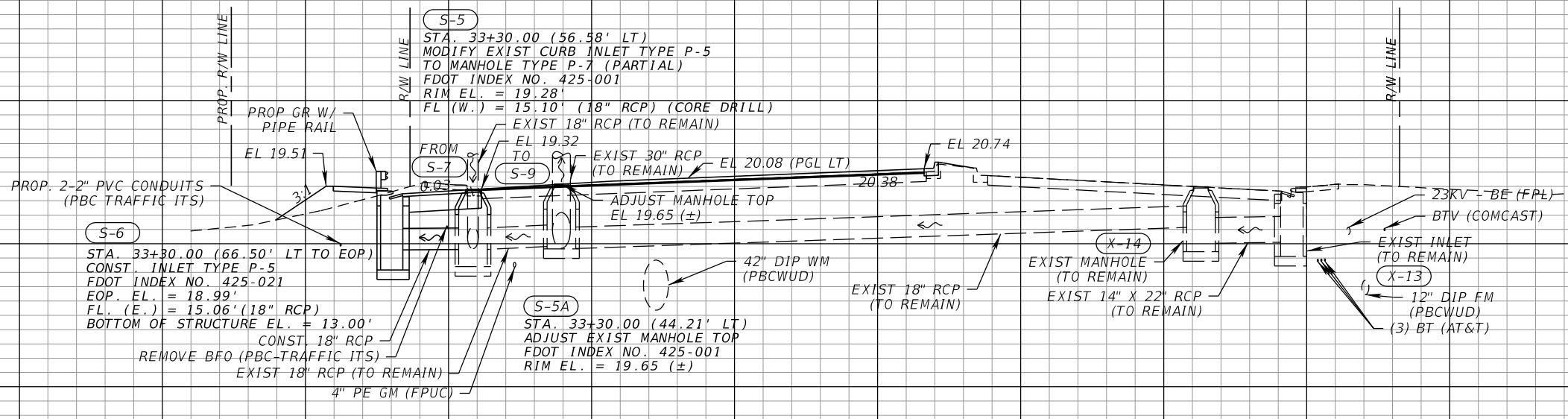
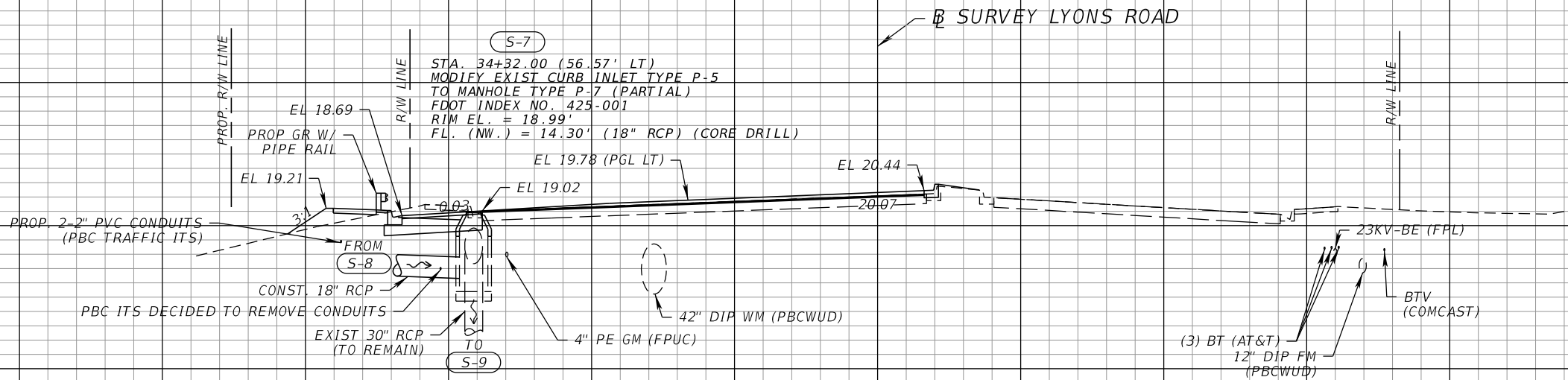
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 $V \ 1"=10'$
 APPROVED: MA
 DRAWN: ARB
 CHECKED: MK
 DATE: 11/13/2022

LYONS ROAD AND BOYNTON BEACH BLVD INTERSECTION IMPROVEMENTS

DRAINAGE STRUCTURES

SHEET: 20
OF: 48
PROJECT NO.
2020100

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1" = 20' Horizontal
1" = 10' Vertical



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No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

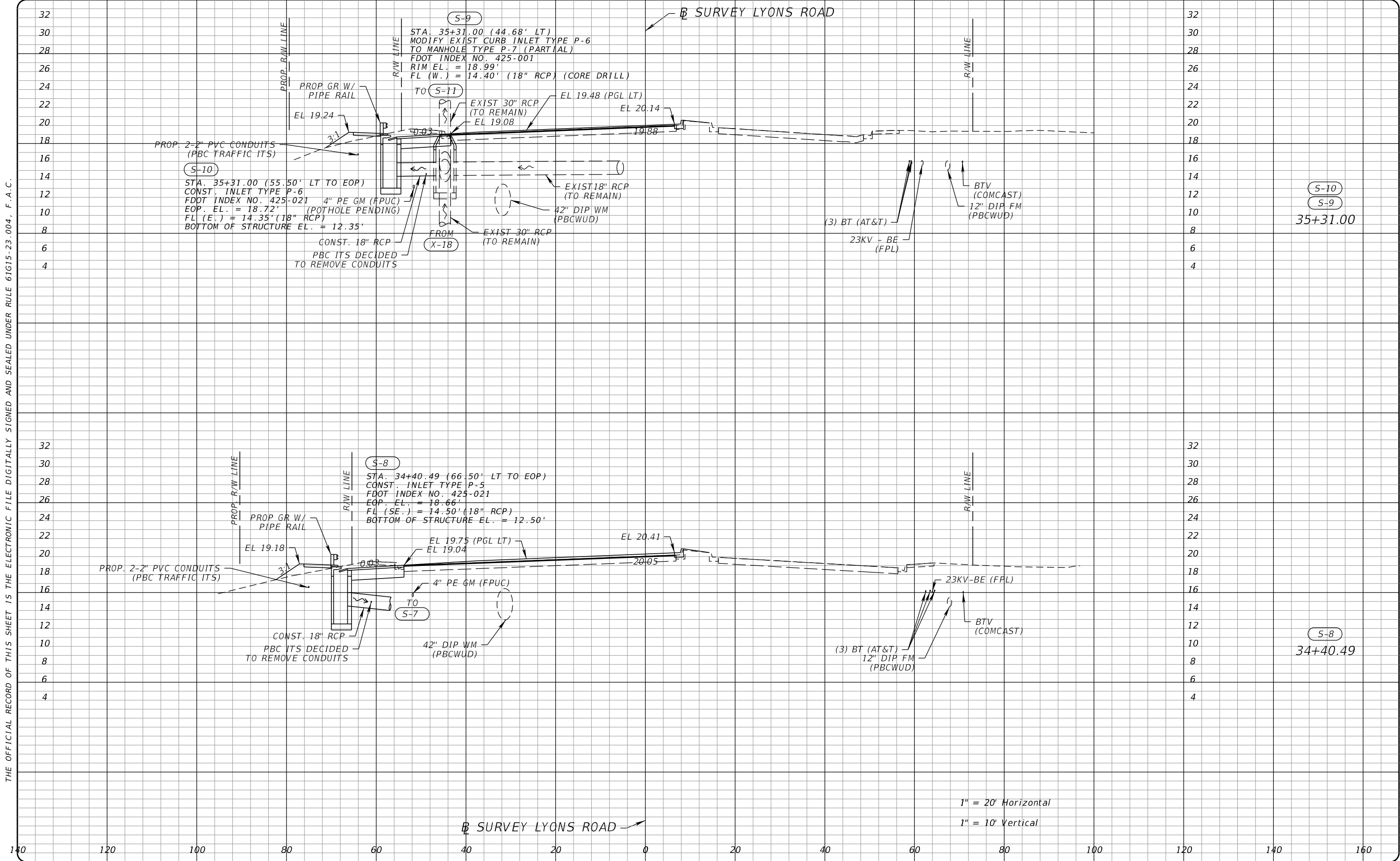
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V 1"=10'
APPROVED: MA
DRAWN: ARB
CHECKED: MK
DATE: 11/13/2025

LYONS ROAD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
DRAINAGE STRUCTURES

SHEET: 21
OF: 48
PROJECT NO.
2020100

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WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

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P.E.# 61600

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=20'
V 1"=10'
APPROVED: MA
DRAWN: ARB
CHECKED: MK
DATE: 11/13/2025

LYONS ROAD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
DRAINAGE STRUCTURES

SHEET: 22
OF: 48
PROJECT NO.
2020100

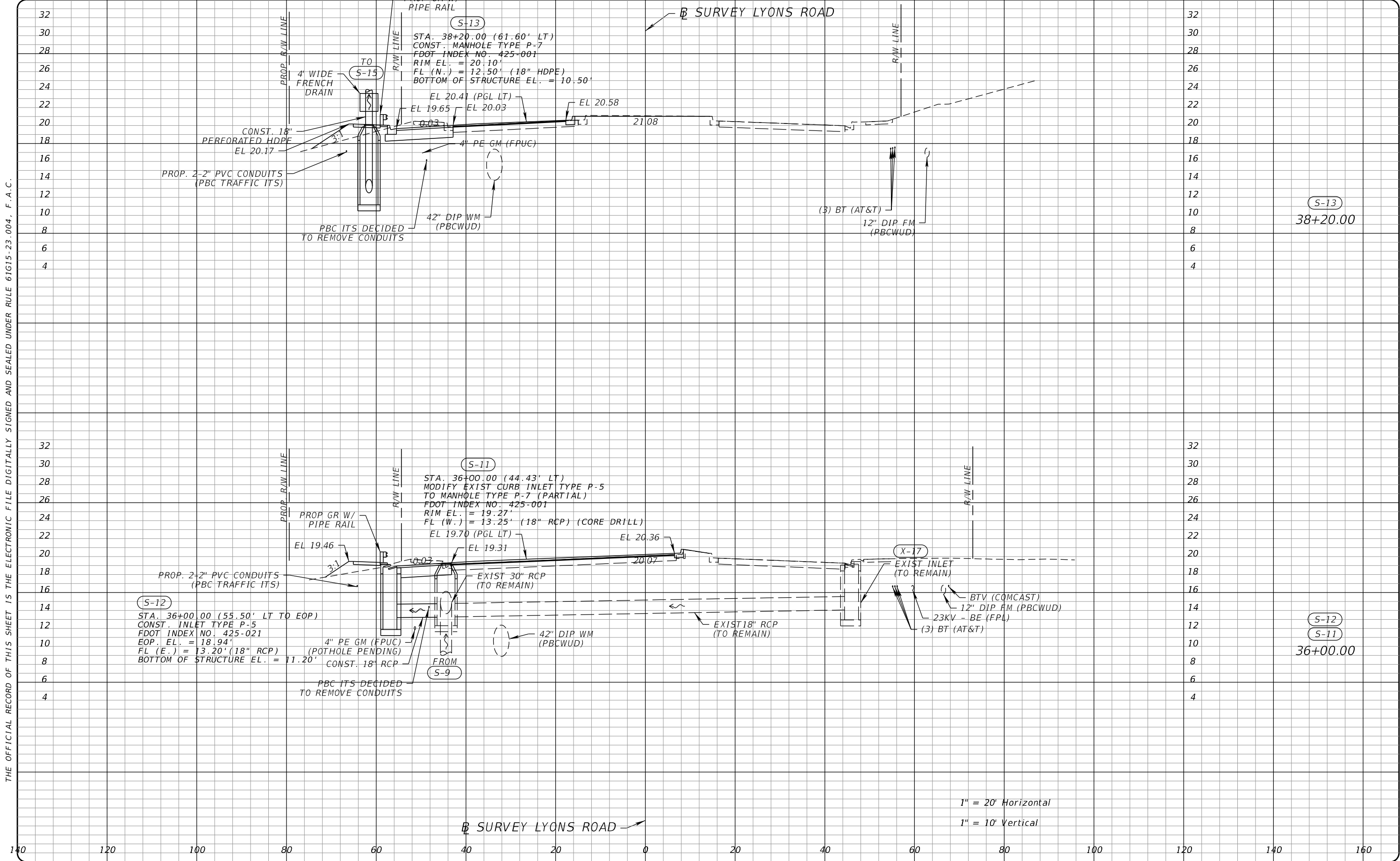
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WEST PALM BEACH, FLORIDA 33411
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PHONE (561) 866-5730

Seal:
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P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
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P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: H 1"=20'
V 1"=10'
APPROVED: MA
DRAWN: ARB
CHECKED: MK
DATE: 11/13/2025

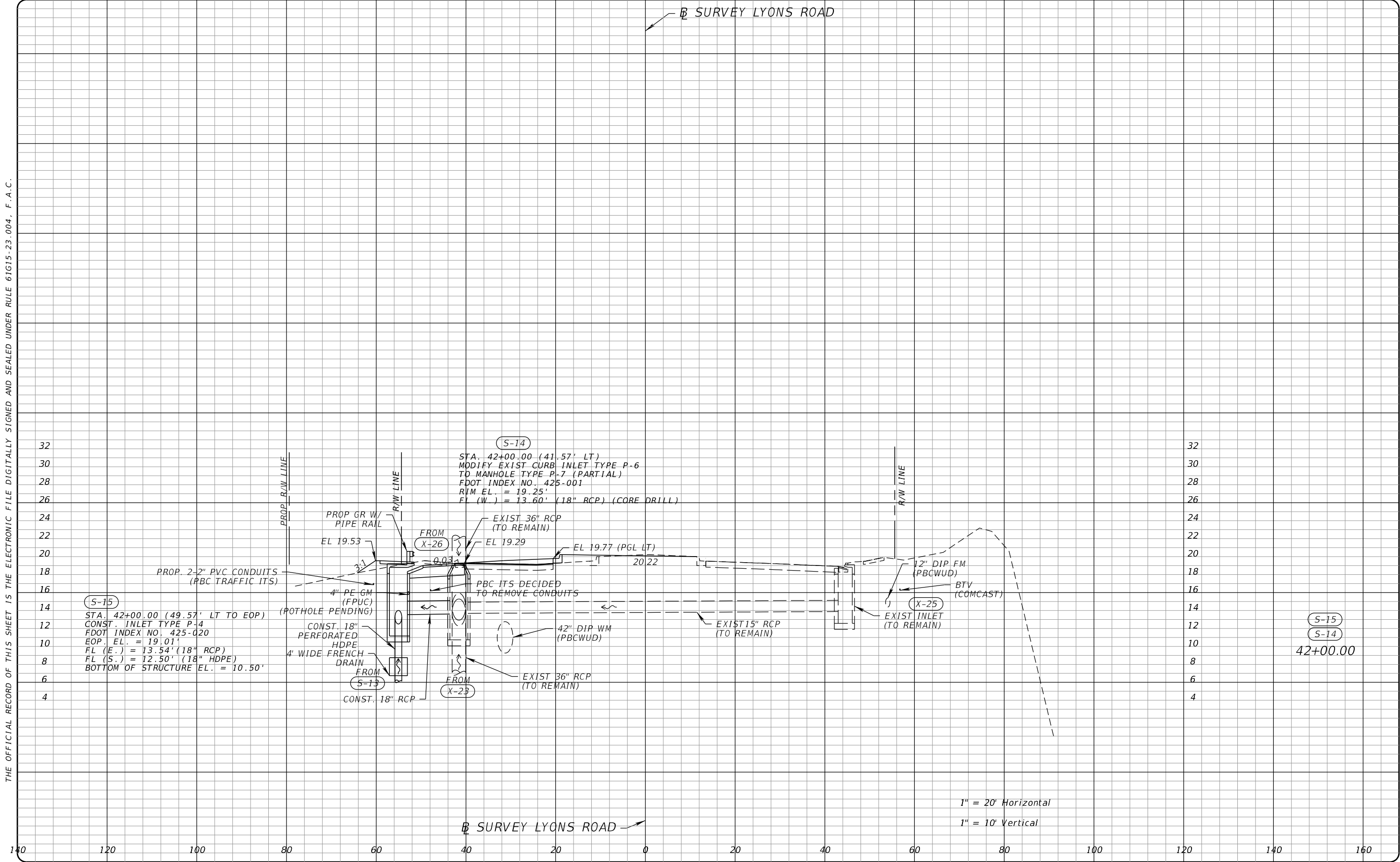
LYONS ROAD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

DRAINAGE STRUCTURES

SHEET: 23
OF: 48
PROJECT NO.
2020100

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WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

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MAJHARUL ALAM, PE
P.E.# 61600

No.	Revisions	By	Date

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

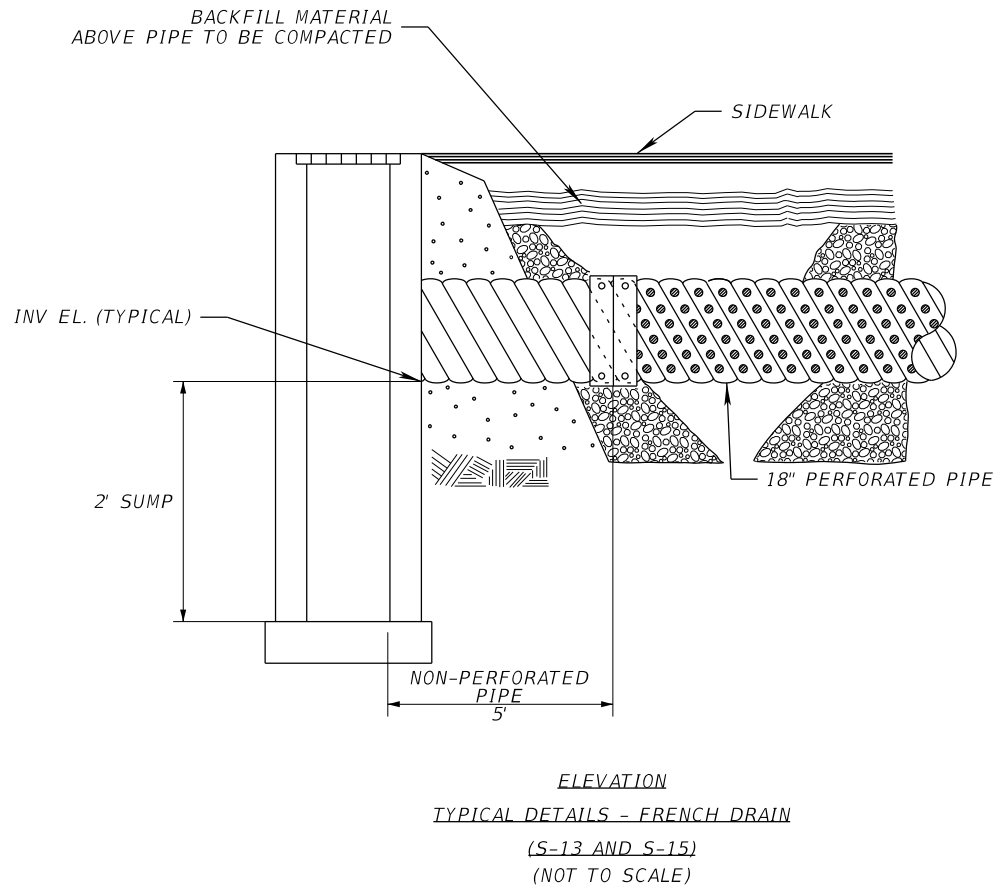
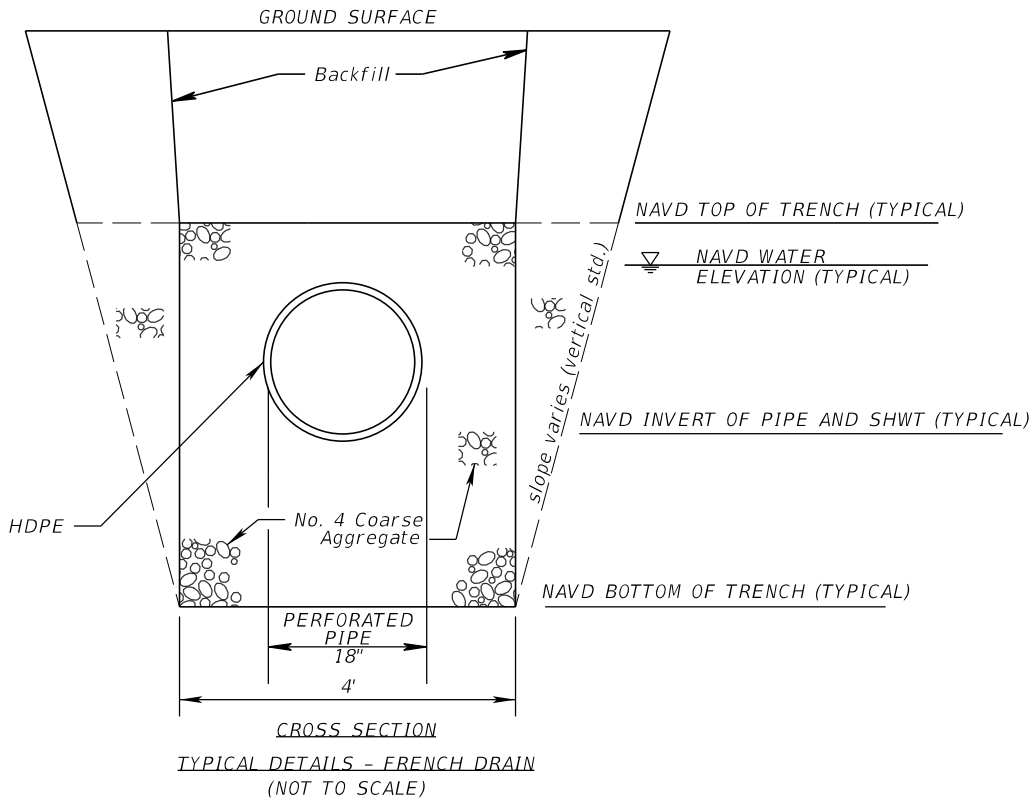
SCALE: H 1"=20'
V 1"=10'
APPROVED: MA
DRAWN: ARB
CHECKED: MK
DATE: 11/13/2025

LYONS ROAD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
DRAINAGE STRUCTURES

SHEET: 24
OF: 48
PROJECT NO. 2020100

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FRENCH DRAIN DATA					
DESCRIPTION	STRUCTUTE NAME		LEHGTH OF TRENCH		
			FROM	TO	LEHGTH OF TRENCH
	S-13	S-15	S-13	S-15	370
TRENCH TOP EL	17.00	17.00			
TRENCH BOT. EL	11	11			
WATER TABLE	14.54	14.54			
DEPTH-"DU"	4.46	4.46			
DEPTH-"DS"	3.54	3.54			
PIPE SIZE/MATERIAL	18" HDPE	18" HDPE			
PIPE FLOW EL	12.5	12.5			
WIDTH-"W"	4'	4'			



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P.E.# 61600

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

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SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: MK
DATE: 11/13/2025

11/13/2025

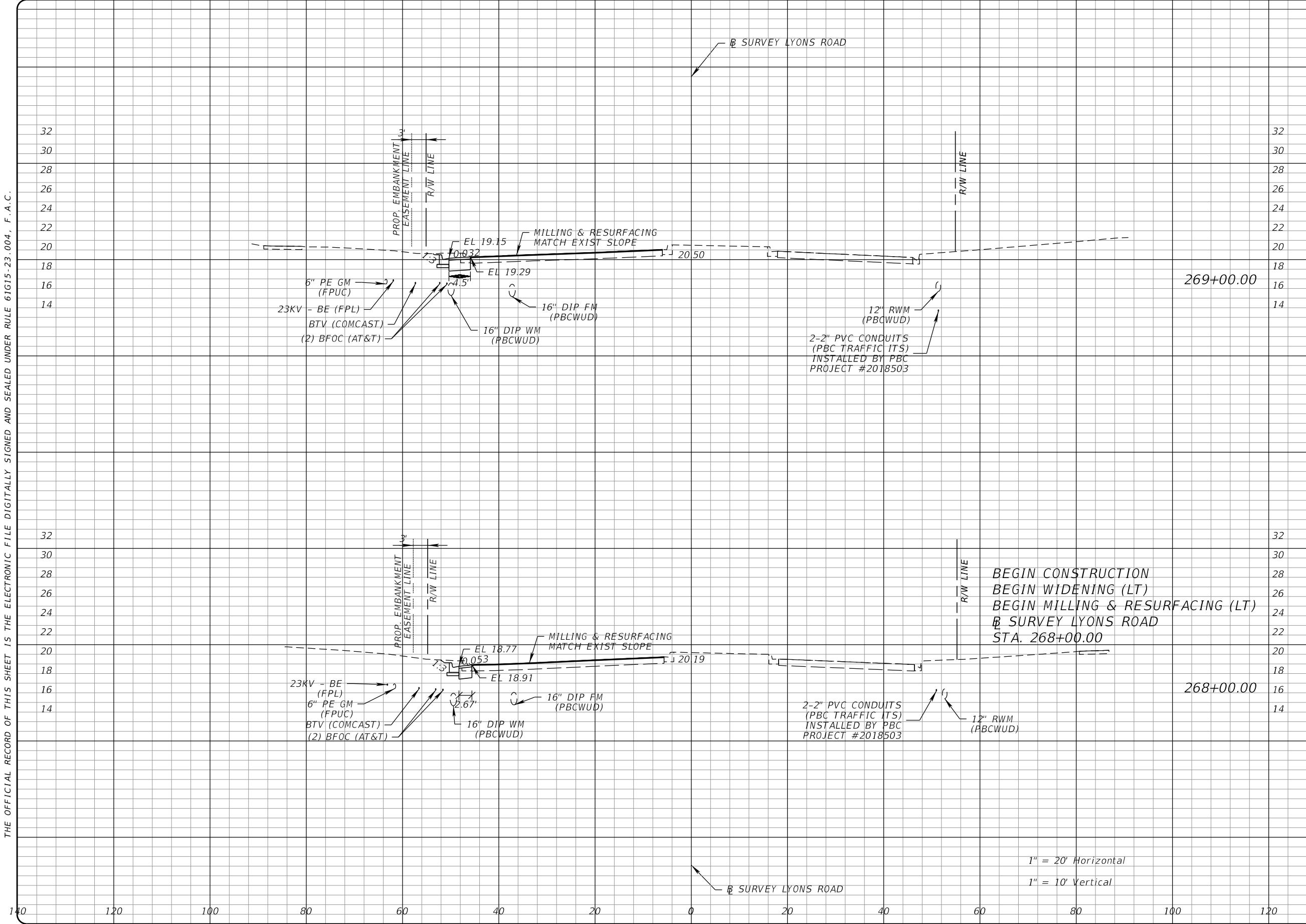
LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
DRAINAGE DETAILS

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SHEET: 25
OF: 48
PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
10.3		43	0	0
7.4		33	0	0



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No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20'
V. 1"=10'

APPROVED: MA

DRAWN: PBV

CHECKED: ARB

DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

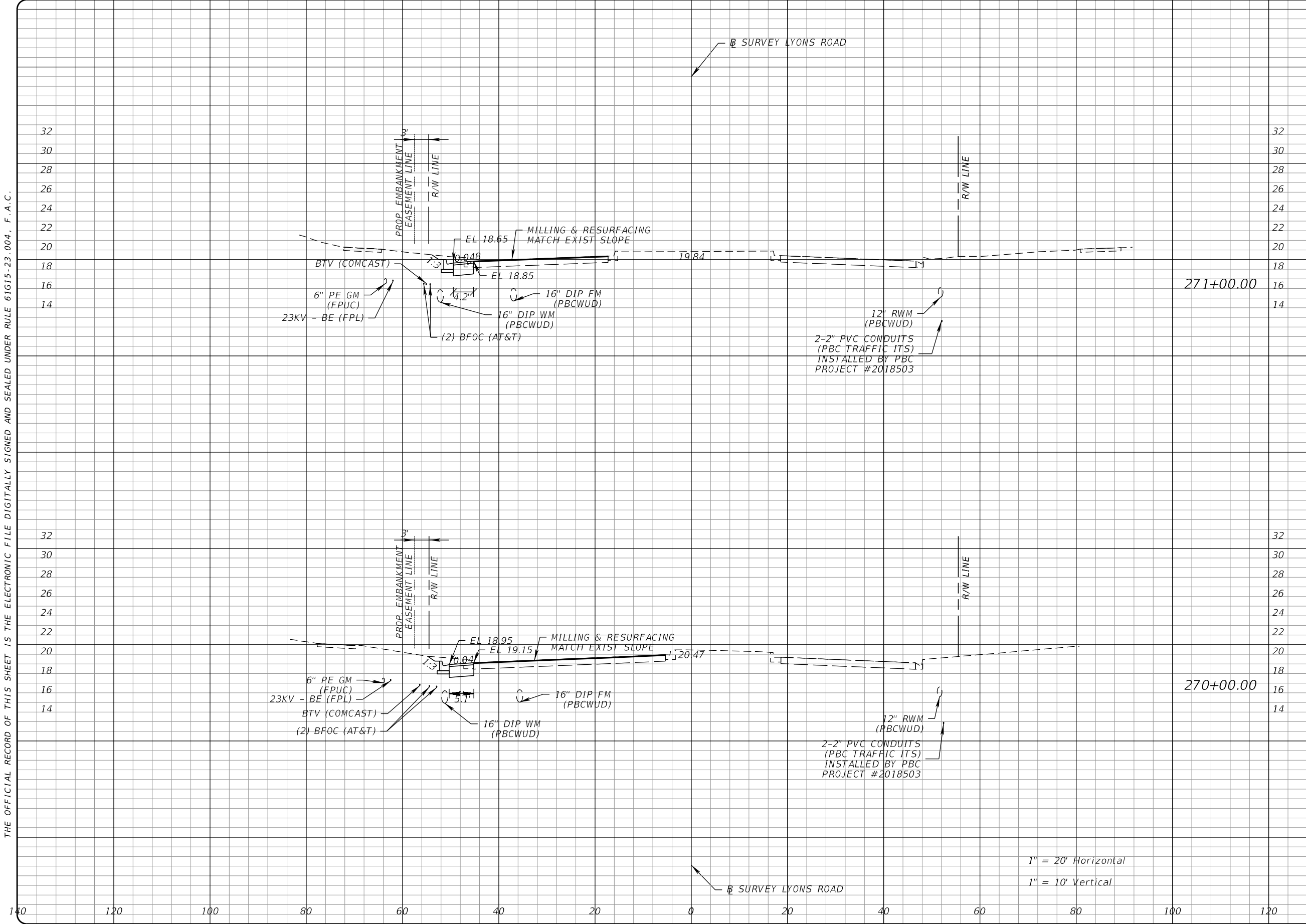
CROSS SECTIONS

SHEET: 26
OF: 48

PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
10.9		40	0	0
12.7		44	0	0



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MAJHARUL ALAM
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20'
V. 1"=10'

APPROVED: MA

DRAWN: PBV

CHECKED: ARB

DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

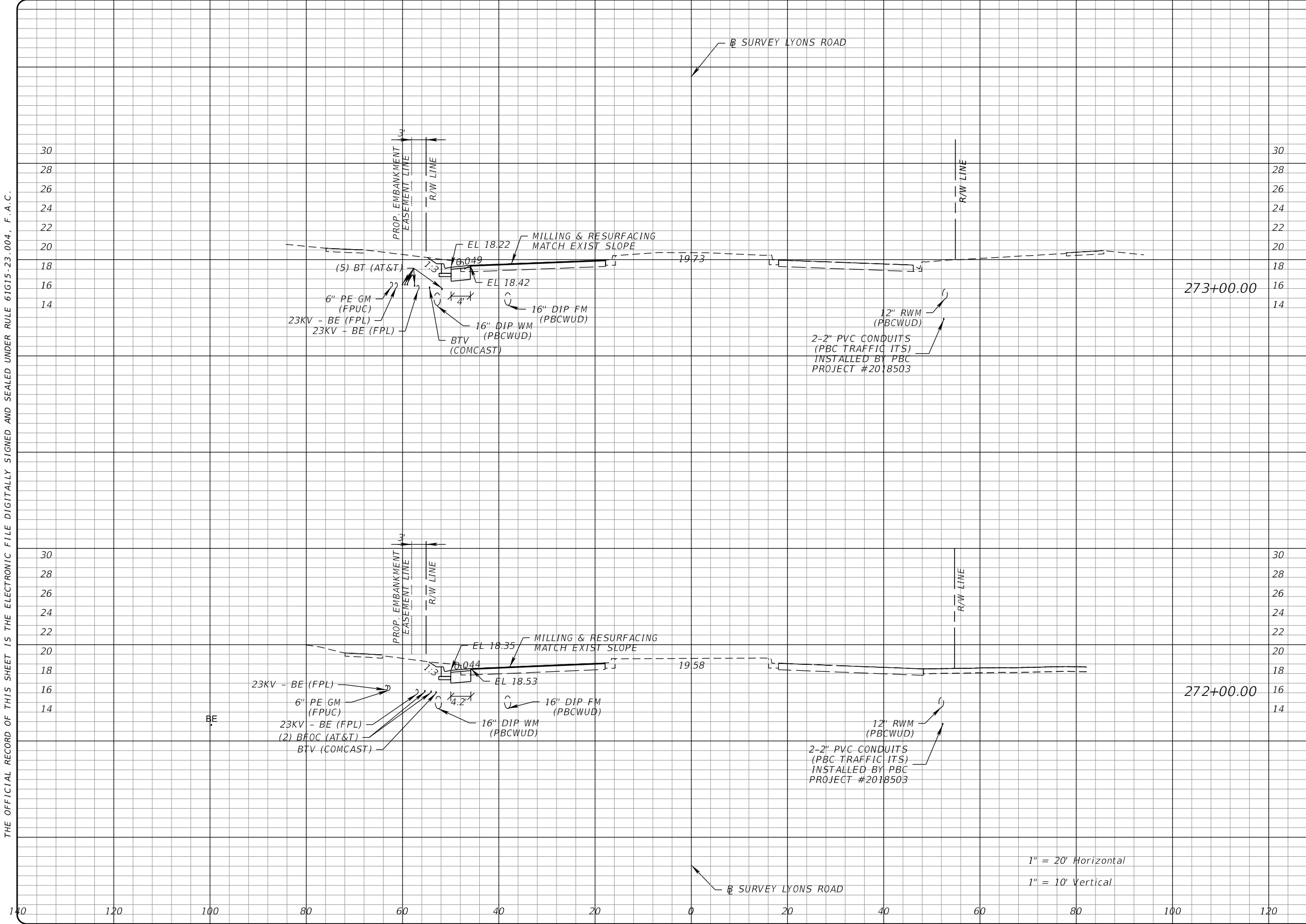
CROSS SECTIONS

SHEET: 27
OF: 48

PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
11.7	0	43	0	0
10.8	0	42	0	0



PROPEL ENGINEERING, LLC.
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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

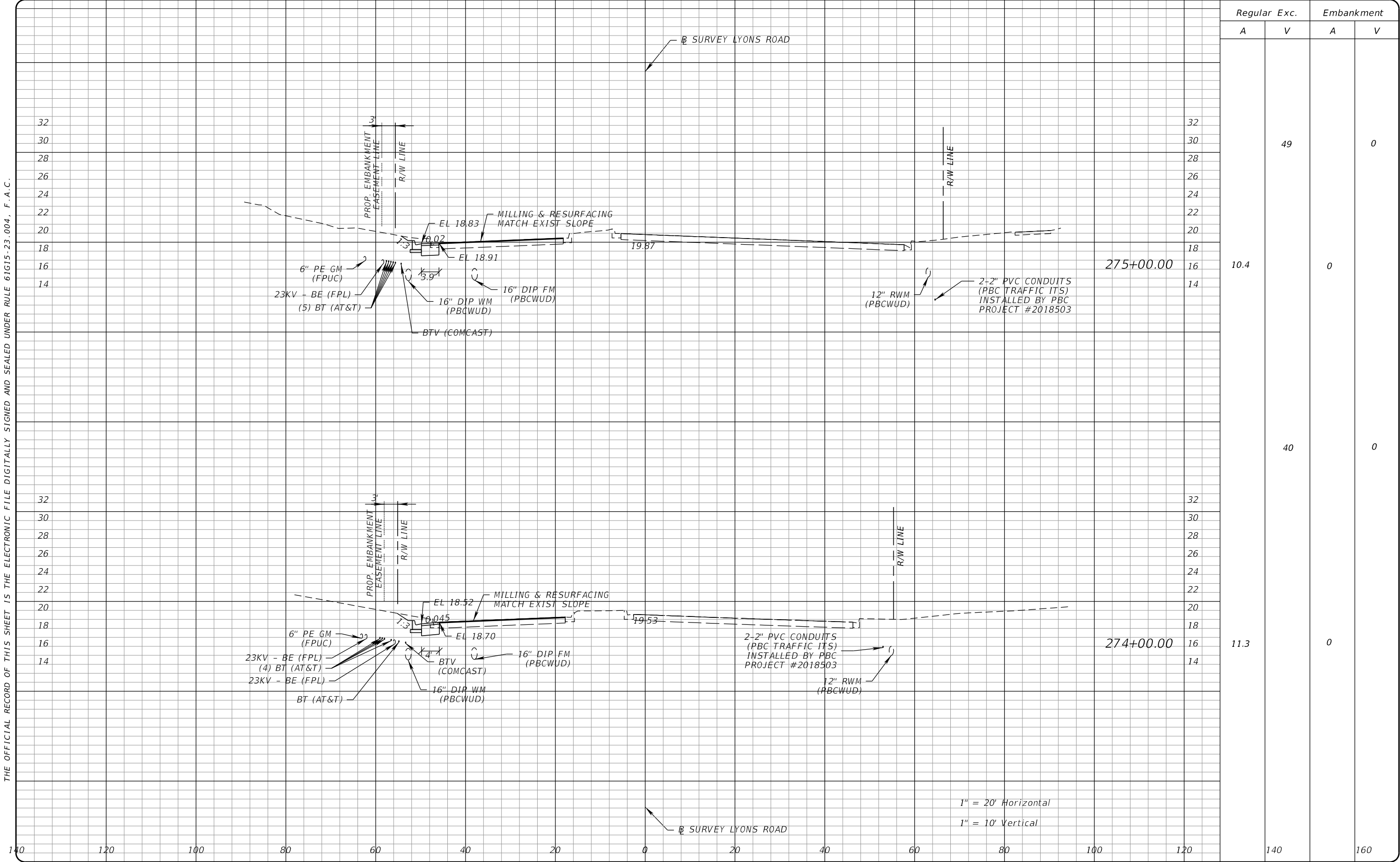
SCALE: H. 1"=20'
V. 1"=10'
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 28
OF: 48
PROJECT NO.
2020110

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No.	Revisions	By	Date

**PALM BEACH COUNTY**
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: H. 1"=20'
V. 1"=10'

APPROVED: MA

DRAWN: PBV

CHECKED: ARB

DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

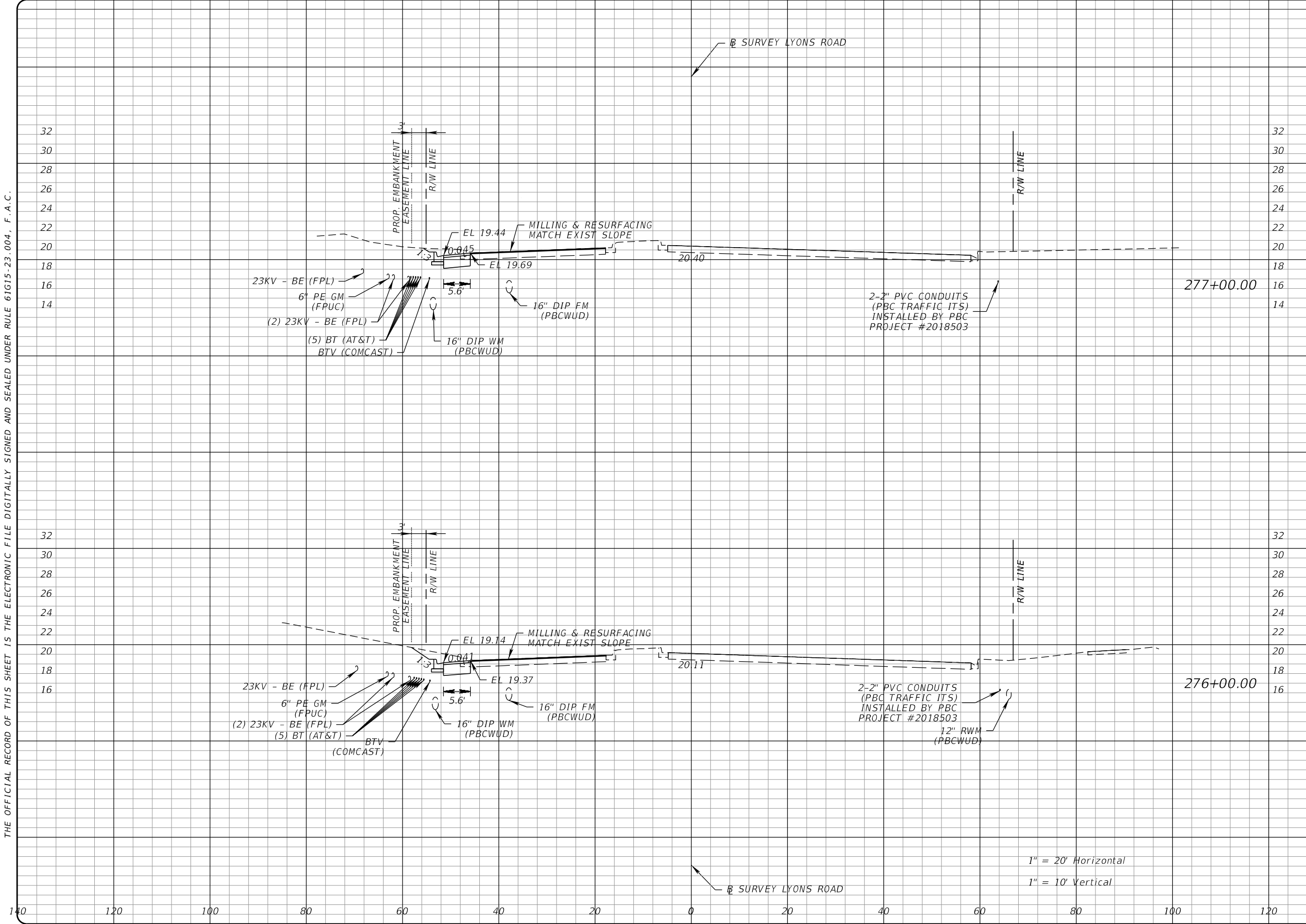
CROSS SECTIONS

SHEET: 29
OF: 48

PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
13.5		48	0	0
16.3		55	0	0

PROPEL

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**PALM BEACH COUNTY**
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: H. 1"=20'
V. 1"=10'

APPROVED: MA

DRAWN: PBV

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DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

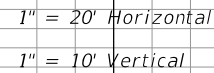
CROSS SECTIONS

SHEET: 30
OF: 48

PROJECT NO.
2020110

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Seal:

No.

By

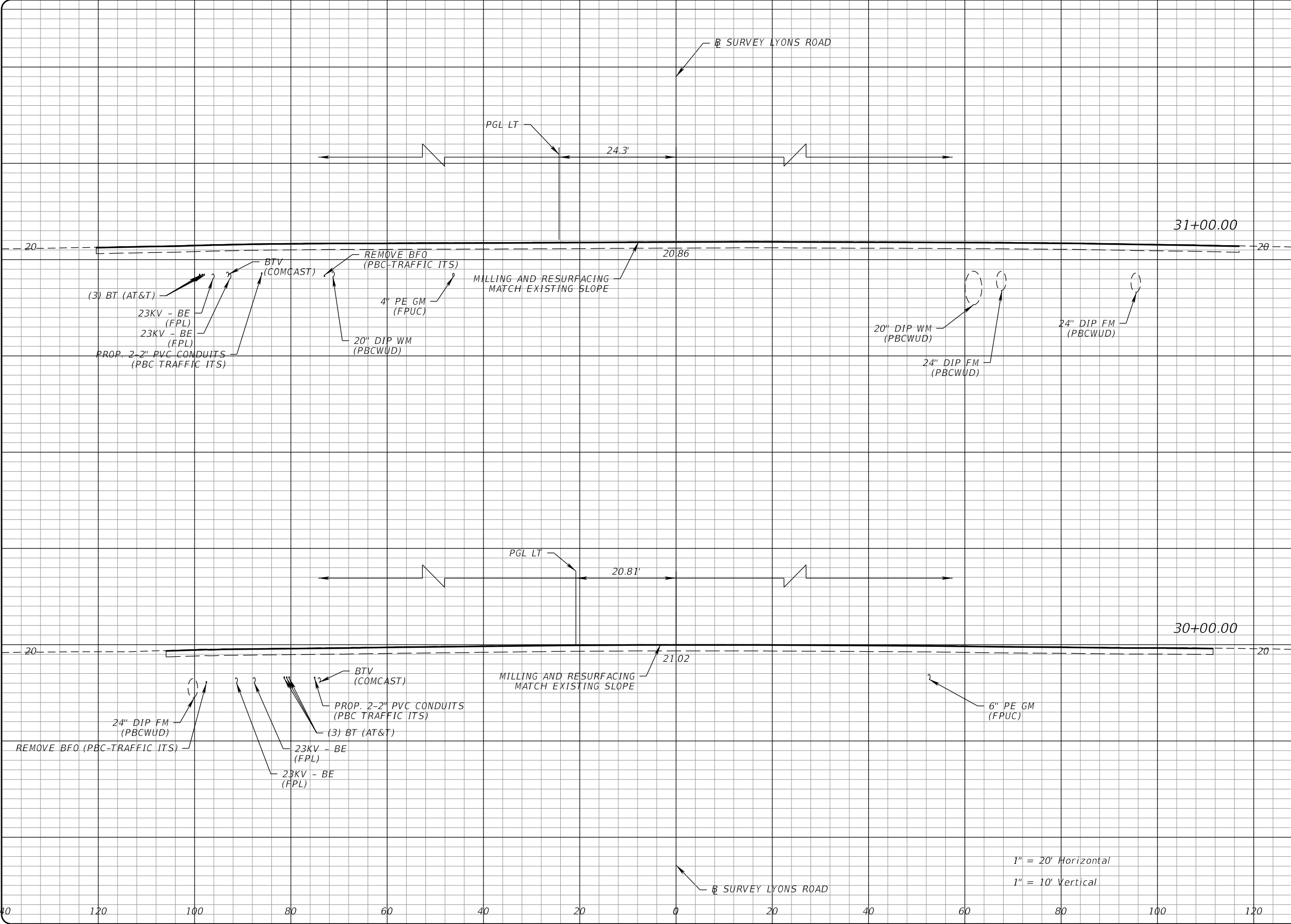
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
0		46	0	7
0		0	0	0
0		0	0	0

PROPEL
2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM
P.E.# 61600

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**PALM BEACH COUNTY**
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

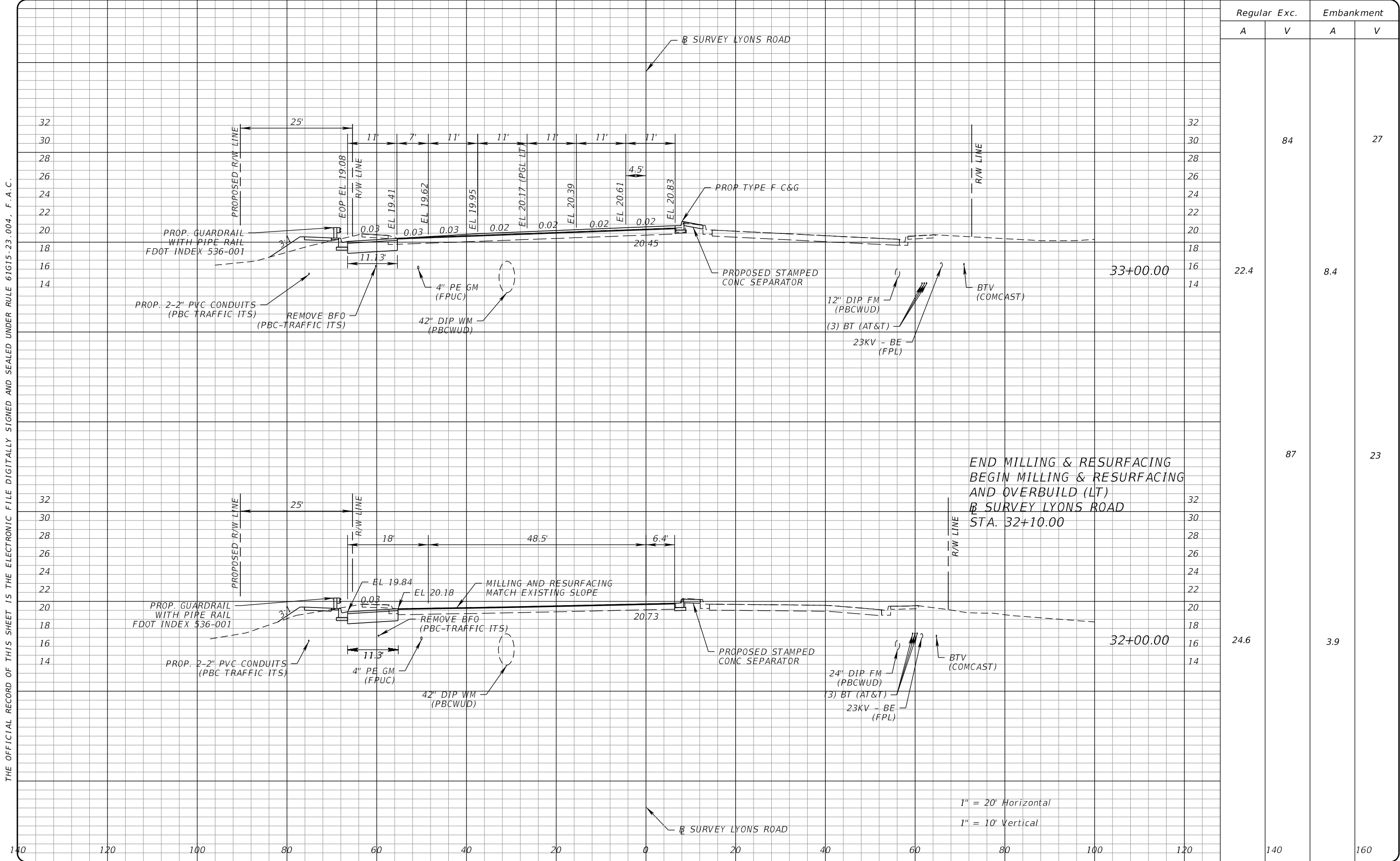
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V. 1"=10'
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 32
OF: 48
PROJECT NO.
2020110

Q:\Projects\1930010908_Lyons_Boynton_Bch\2020110\roadway\RDXSRO02.dgn

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PROPEL ENGINEERING, LLC.
2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: H. 1"=20'
V. 1"=10'
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

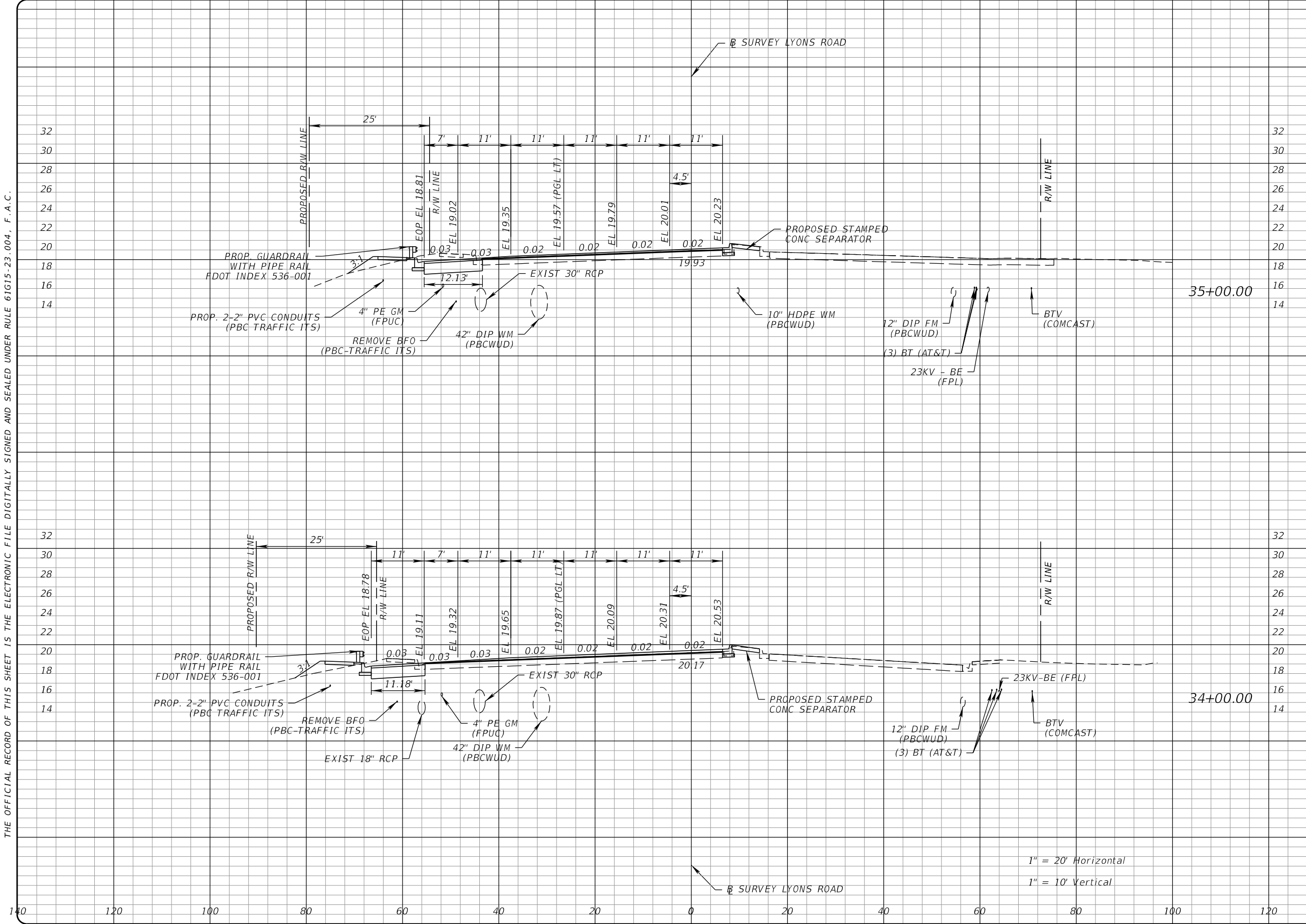
LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 33
OF: 48
PROJECT NO.
2020110

11/13/2025 8:00:19 PM

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Regular		Exc.		Embankment	
A	V	A	V	A	V
26.6		93		26	
		91		22	
22.7		6.4			

1" = 20' Horizontal
1" = 10' Vertical



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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V. 1"=10'
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DRAWN: PBV
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

CROSS SECTIONS

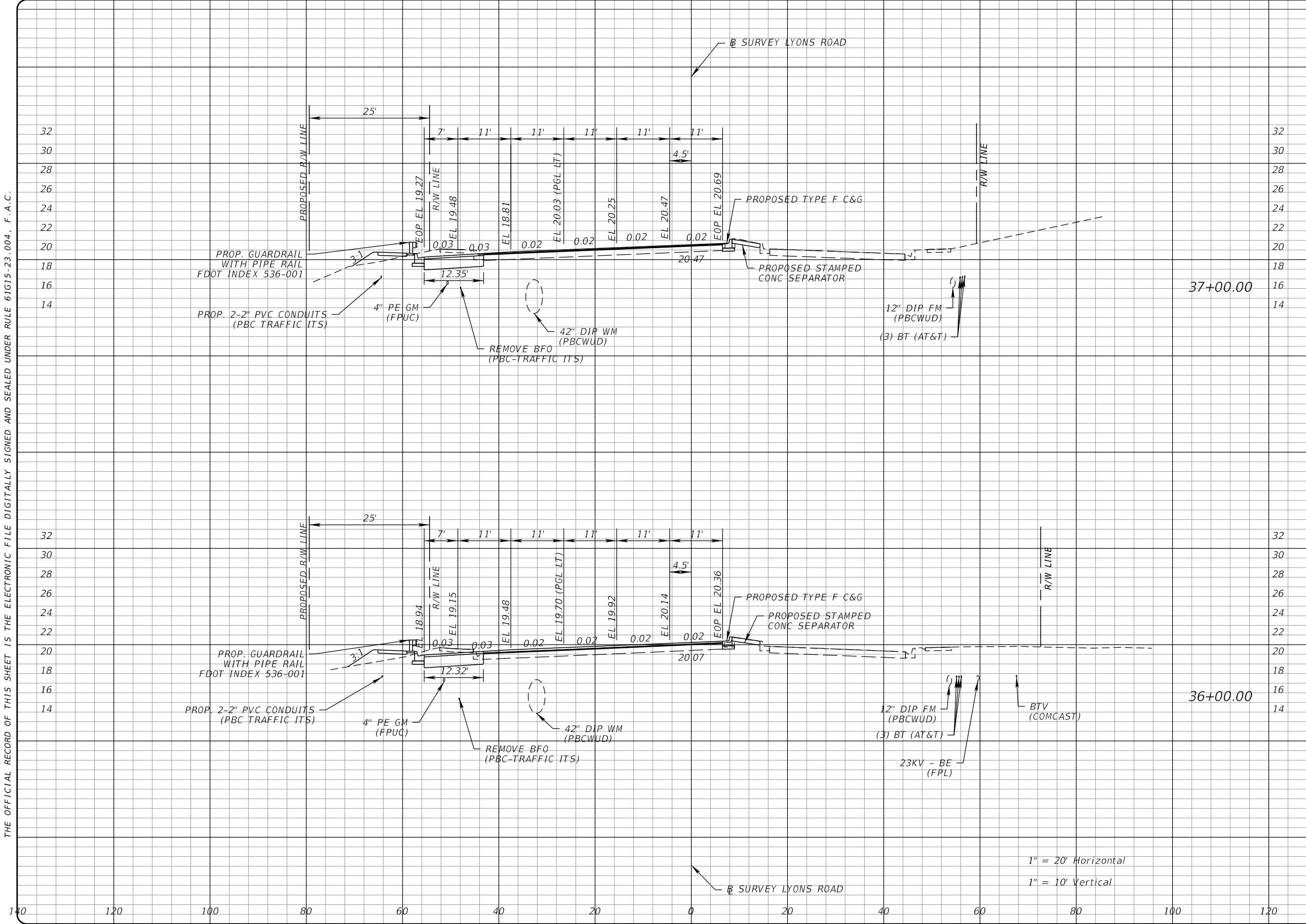
SHEET: 34
OF: 48

PROJECT NO.
2020110

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11/13/2025 8:00:19 PM

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Regular		Exc.	Embankment		
A	V		A	V	
28.2	96	5.7		34	
23.6	96		8.6	26	
					140
					160



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

CROSS SECTIONS

SHEET: 35
OF: 48

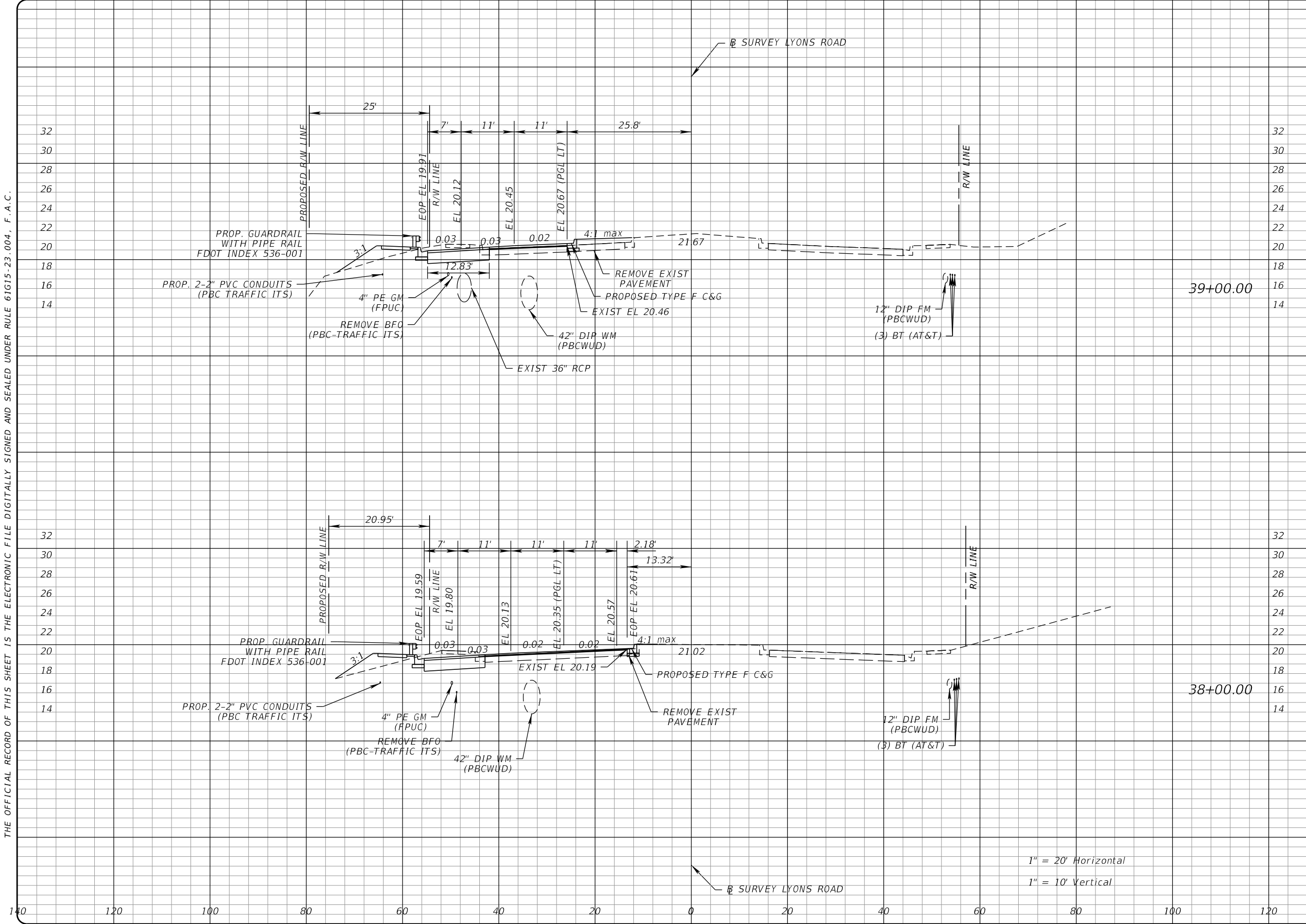
PROJECT NO.
2020110

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11/13/2025

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Regular		Exc.	Embankment	
A	V	A	V	
22.4	121	25.2	83	32
				30
				28
				26
				24
				22
				20
				18
				16
				14
23.8	86	12.6	70	32
				30
				28
				26
				24
				22
				20
				18
				16
				14
		140	160	



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

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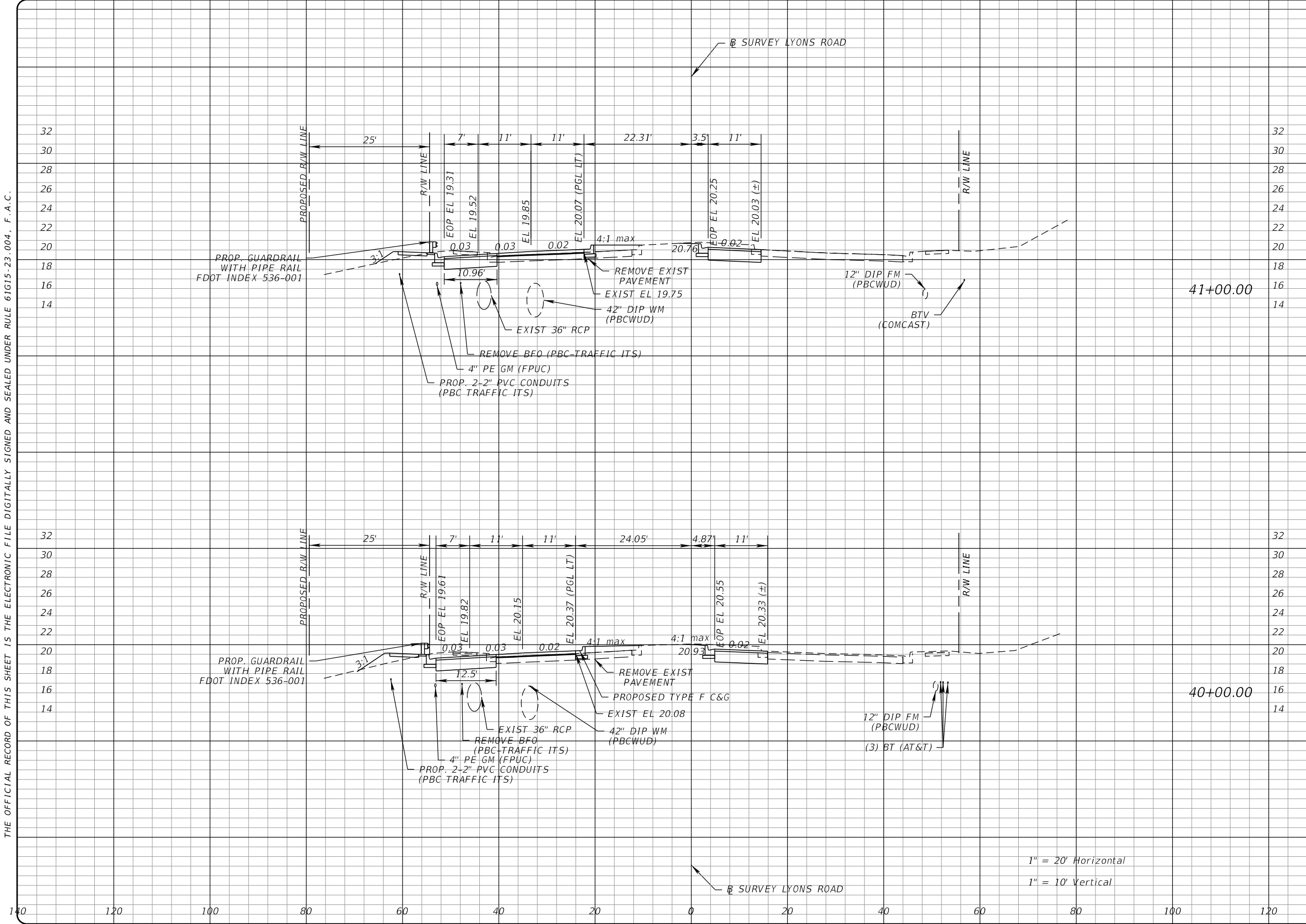
LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 36
OF: 48
PROJECT NO.
2020110

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1" = 20' Horizontal
1" = 10' Vertical

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Regular		Exc.	Embankment	
A		V	A	V
40.8	32	145	15.4	57
	30			
	28			
	26			
	24	155	19.7	65
	22			
	20			
	18			
43.0	16	43.0	19.7	65
	14			
	12			
	10			
	8	140	160	
	6			
	4			
	2			



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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V. 1"=10'
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DRAWN: PBV
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DATE: 11/13/2025

**LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT**

CROSS SECTIONS

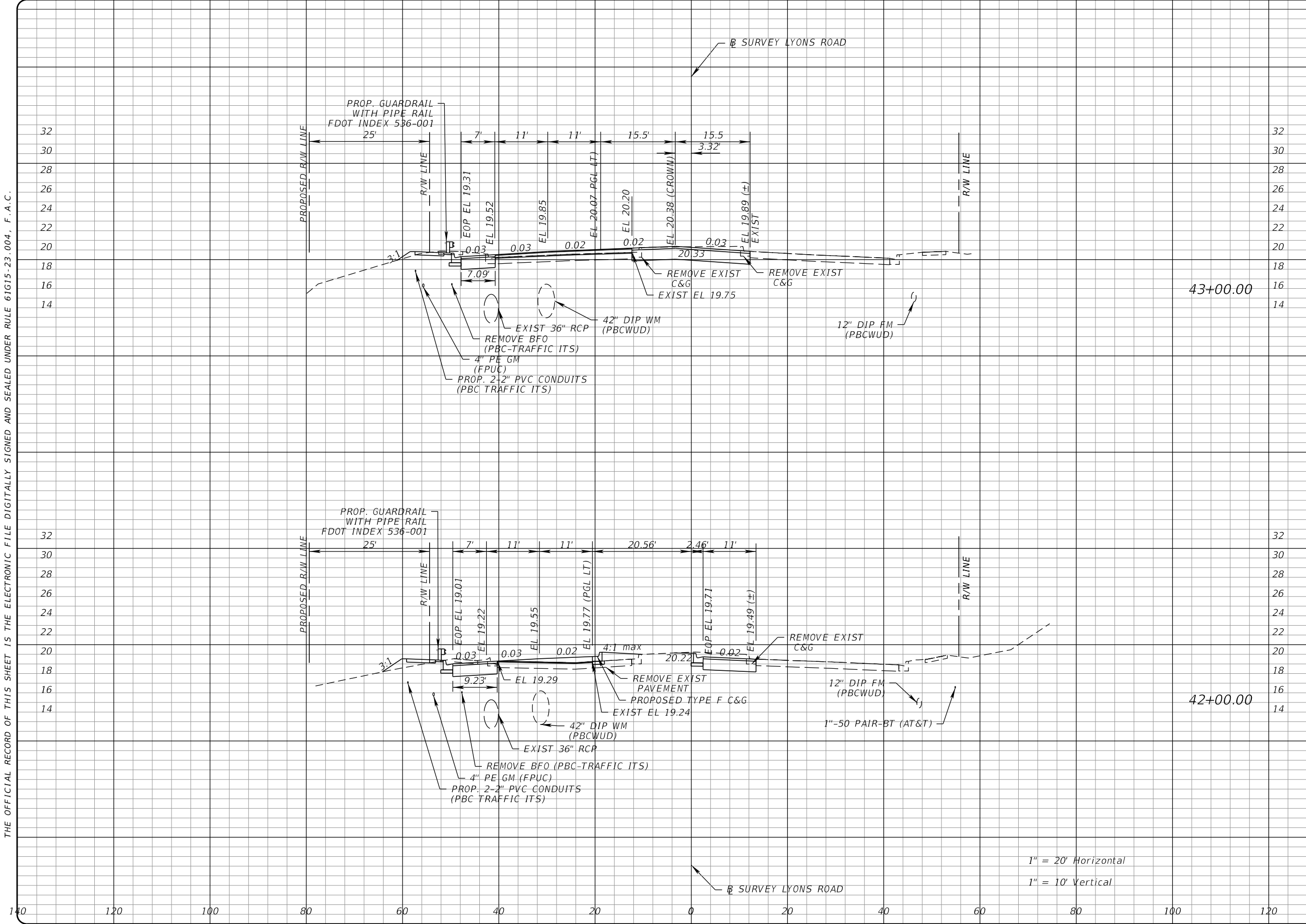
**SHEET: 37
OF: 48**

**PROJECT NO.
2020110**

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Regular		Exc.	Embankment	
A	V	A	V	
46.8	128	1.1	2	32
				30
				28
				26
46.8	128	1.1	2	24
				22
				20
				18
46.8	128	1.1	2	16
				14
37.3	156	15.4	31	32
				30
				28
				26
37.3	156	15.4	31	24
				22
				20
				18
37.3	156	15.4	31	16
				14

1" = 20' Horizontal
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PROPEL ENGINEERING, LLC.
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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

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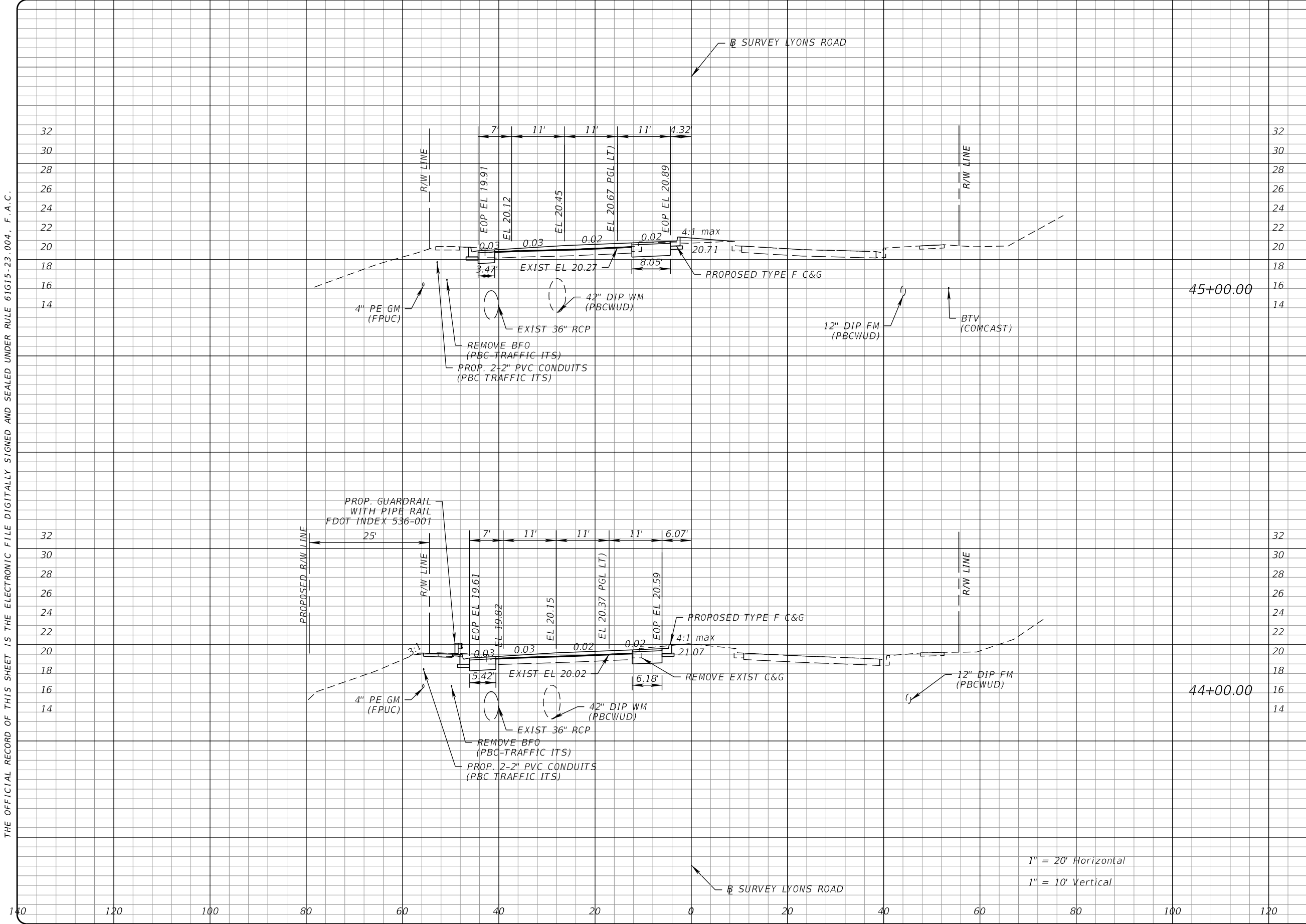
SCALE: H. 1"=20'
V. 1"=10'
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 38
OF: 48
PROJECT NO. 2020110

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Regular		Exc.	Embankment	
A		V	A	V
18.40		84	7	
76			7	
22.5			0.20	

PROPEL

PROPEL ENGINEERING, LLC.
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P.E.# 61600

No.	Revisions	By	Date

**PALM BEACH COUNTY**
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: H. 1"=20'
V. 1"=10'

APPROVED: MA

DRAWN: PBV

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DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT

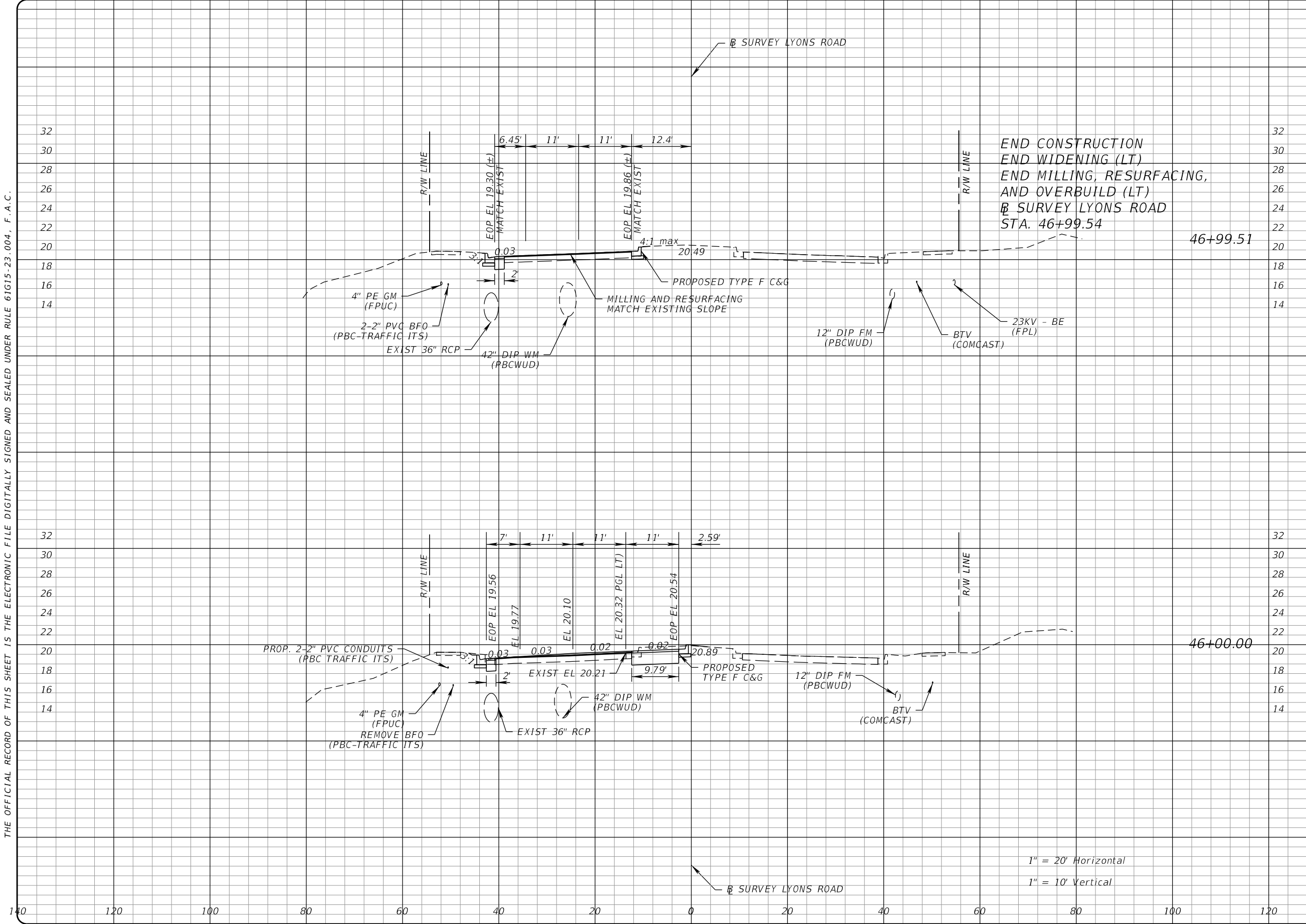
CROSS SECTIONS

SHEET: 39
OF: 48

PROJECT NO.
2020110

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Regular		Exc.	Embankment	
A		V	A	V
5.5			0	
		60		0
27.10			0.10	

1" = 20' Horizontal
1" = 10' Vertical



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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENT
CROSS SECTIONS

SHEET: 40
OF: 48
PROJECT NO.
2020110

11/13/2025 8:00:20 PM

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Tree Disposition Chart								
ID	GPS ID	Approximate Station (BL Const.)	Approximate Offset (BL Const)	Common Name	Scientific Name	DBH (Inch)	Clear Trunk Height (Feet)	Meets PBC Tree Permit Criteria
580	744	46+34.48	0.70' LT	Live Oak	Quercus virginiana	9.7		Yes
581	745	46+20.27	0.27' LT		Quercus virginiana	13.0		Yes
582	746	46+04.30	0.07' LT	Live Oak	Quercus virginiana	9.1		Yes
583	747	45+98.92	0.54' LT	Cabbage palm	Sabal palmetto		15	Yes
584	748	45+92.33	3.88' LT	Cabbage palm	Sabal palmetto		14	Yes
585	749	45+92.10	2.17' RT	Cabbage palm	Sabal palmetto		16	Yes
586	750	45+85.75	0.42' LT	Cabbage palm	Sabal palmetto		18	Yes
587	751	45+80.87	4.22' LT	Cabbage palm	Sabal palmetto		16	Yes
589	753	45+76.96	2.80' LT	Cabbage palm	Sabal palmetto		16	Yes
590	754	45+71.05	0.44' LT	Live Oak	Quercus virginiana	10.1		Yes
591	755	45+57.41	0.27' LT	Live Oak	Quercus virginiana	16.4		Yes
592	756	45+32.43	1.83' LT	Queen palm	Syagrus romanzoffiana		9	Non-native
593	757	45+24.86	4.10' RT	Queen palm	Syagrus romanzoffiana		8	Non-native
594	758	44+81.42	5.42' LT	Queen palm	Syagrus romanzoffiana		10	Non-native
595	759	44+57.05	0.42' LT	Live Oak	Quercus virginiana	17.9		Yes
597	761	44+26.46	0.89' LT	Cabbage palm	Sabal palmetto		13	Yes
598	762	44+17.77	5.44' LT	Cabbage palm	Sabal palmetto		17	Yes
600	764	44+09.45	1.94' RT	Cabbage palm	Sabal palmetto		16	Yes
602	766	44+00.83	4.68' LT	Cabbage palm	Sabal palmetto		14	Yes
603	767	43+94.67	1.57' RT	Cabbage palm	Sabal palmetto		15	Yes
605	769	43+52.18	2.11' LT	Queen palm	Syagrus romanzoffiana		12	Non-native
606	770	43+44.71	2.94' RT	Queen palm	Syagrus romanzoffiana		11	Non-native
607	771	43+38.57	4.85' LT	Queen palm	Syagrus romanzoffiana		18	Non-native
608	772	42+98.95	3.20' RT	Queen palm	Syagrus romanzoffiana		11	Non-native
609	773	42+97.02	4.73' LT	Queen palm	Syagrus romanzoffiana		11	Non-native
610	774	42+89.39	1.74' RT	Queen palm	Syagrus romanzoffiana		11	Non-native



PROPEL ENGINEERING, LLC.
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FLORIDA BUSINESS CERT. NO. 31050
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Seal:

MAJHARUL ALAM, PE
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: N.T.S.
APPROVED: MA
DRAWN: EM
CHECKED: JJV
DATE:11/13/2025

11/13/2025

LYONS ROAD

N OF L.W.D.D. L-30 CANAL TO BOYNTON BEACH BLVD.

TREE DISPOSITION CHARTS

8:00:23 PM

SHEET: 41

OF: 48

PROJECT NO.
2020110

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Tree Disposition Chart								
ID	GPS ID	Station (CL Const.)	Offset (CL Const)	Common Name	Scientific Name	DBH (Inch)	Clear Trunk Height (Feet)	Meets PBC Tree Permit Criteria
611	775	42+84.75	1.96' LT	Live Oak	Quercus virginiana	15.6		Yes
612	776	42+55.69	0.71' RT	Live Oak	Quercus virginiana	16.3		Yes
613	777	42+46.19	1.28' RT	Cabbage palm	Sabal palmetto		16	Yes
614	778	42+39.91	4.57' RT	Cabbage palm	Sabal palmetto		17	Yes
615	779	42+38.33	1.83' LT	Cabbage palm	Sabal palmetto		16	Yes
616	780	42+31.88	2.42' RT	Cabbage palm	Sabal palmetto		17	Yes
617	781	42+24.75	2.18' LT	Cabbage palm	Sabal palmetto		16	Yes
618	782	42+21.24	6.52' RT	Cabbage palm	Sabal palmetto		20	Yes
619	783	42+15.66	1.44' RT	Cabbage palm	Sabal palmetto		15	Yes
620	784	42+04.85	1.35' RT	Live Oak	Quercus virginiana	12.2		Yes
620A	xx	41+95.37	1.36' RT	Live Oak	Quercus virginiana	6.2	xx	xx
621	785	41+84.45	0.95' RT	Live Oak	Quercus virginiana	8.9		Yes
622	786	41+72.92	0.23' LT	Queen palm	Syagrus romanzoffiana		11	Non-native
623	787	41+62.27	5.26' RT	Queen palm	Syagrus romanzoffiana		14	Non-native
625	789	41+14.18	1.06' RT	Queen palm	Syagrus romanzoffiana		12	Non-native
626	790	41+02.14	2.18' RT	Live Oak	Quercus virginiana	9.6		Yes
627	791	40+91.70	1.78' RT	Live Oak	Quercus virginiana	14.2		Yes
628	792	40+72.64	1.60' RT	Cabbage palm	Sabal palmetto		15	Yes
629	793	40+67.61	0.72' LT	Cabbage palm	Sabal palmetto		16	Yes
630	794	40+64.99	6.21' RT	Cabbage palm	Sabal palmetto		17	Yes
631	795	40+60.13	2.39' RT	Cabbage palm	Sabal palmetto		17	Yes
632	796	40+56.35	5.84' RT	Cabbage palm	Sabal palmetto		15	Yes
634	798	40+45.07	2.90' RT	Cabbage palm	Sabal palmetto		14	Yes
635	799	40+35.31	2.30' RT	Live Oak	Quercus virginiana	10.9		Yes
636	800	40+21.49	2.81' RT	Live Oak	Quercus virginiana	9.0		Yes
637	801	40+07.07	3.26' RT	Live Oak	Quercus virginiana	12.3		Yes
638	802	39+94.63	1.49' LT	Queen palm	Syagrus romanzoffiana		11	Non-native
640	804	39+84.97	6.07' RT	Queen palm	Syagrus romanzoffiana		13	Non-native
641	805	39+64.42	2.85' RT	Live Oak	Quercus virginiana	9.2		Non-native



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Seal:

MAJHARUL ALAM, PE
P.E.# 61600

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: N.T.S.
APPROVED: MA
DRAWN: EM
CHECKED: JJV
DATE: 11/13/2025

11/13/2025

LYONS ROAD

N OF L.W.D.D. L-30 CANAL TO BOYNTON BEACH BLVD.

TREE DISPOSITION CHARTS

8:00:23 PM

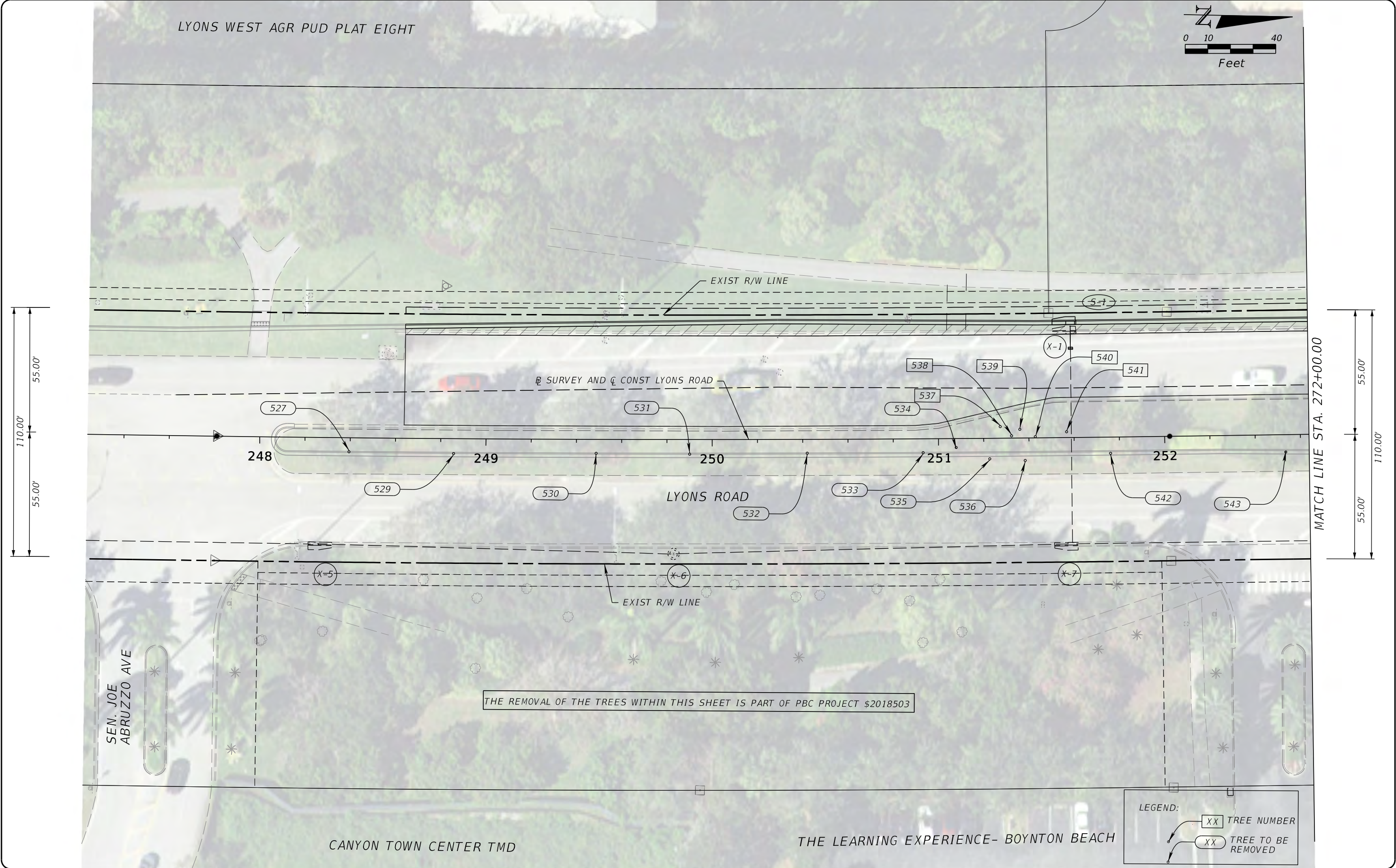
SHEET: 42

OF: 48

PROJECT NO.
2020110

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No.	Revisions	By	Date



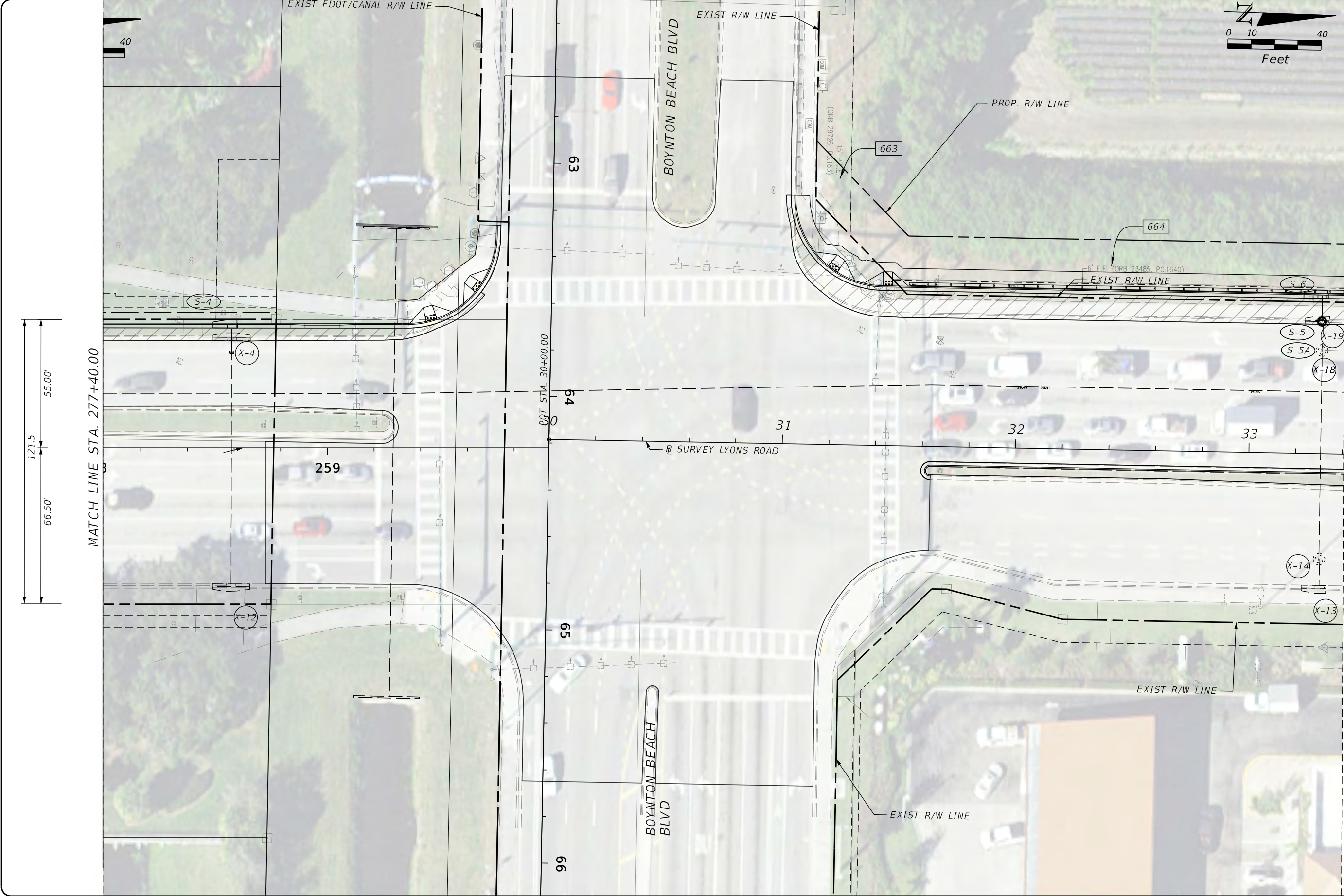
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
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LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TREE DISPOSITION PLAN

SHEET: 43
OF: 48
PROJECT NO.
2020110

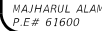
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P.O. BOX 21229, WEST PALM BEACH, FLORIDA
Mohammad Khan

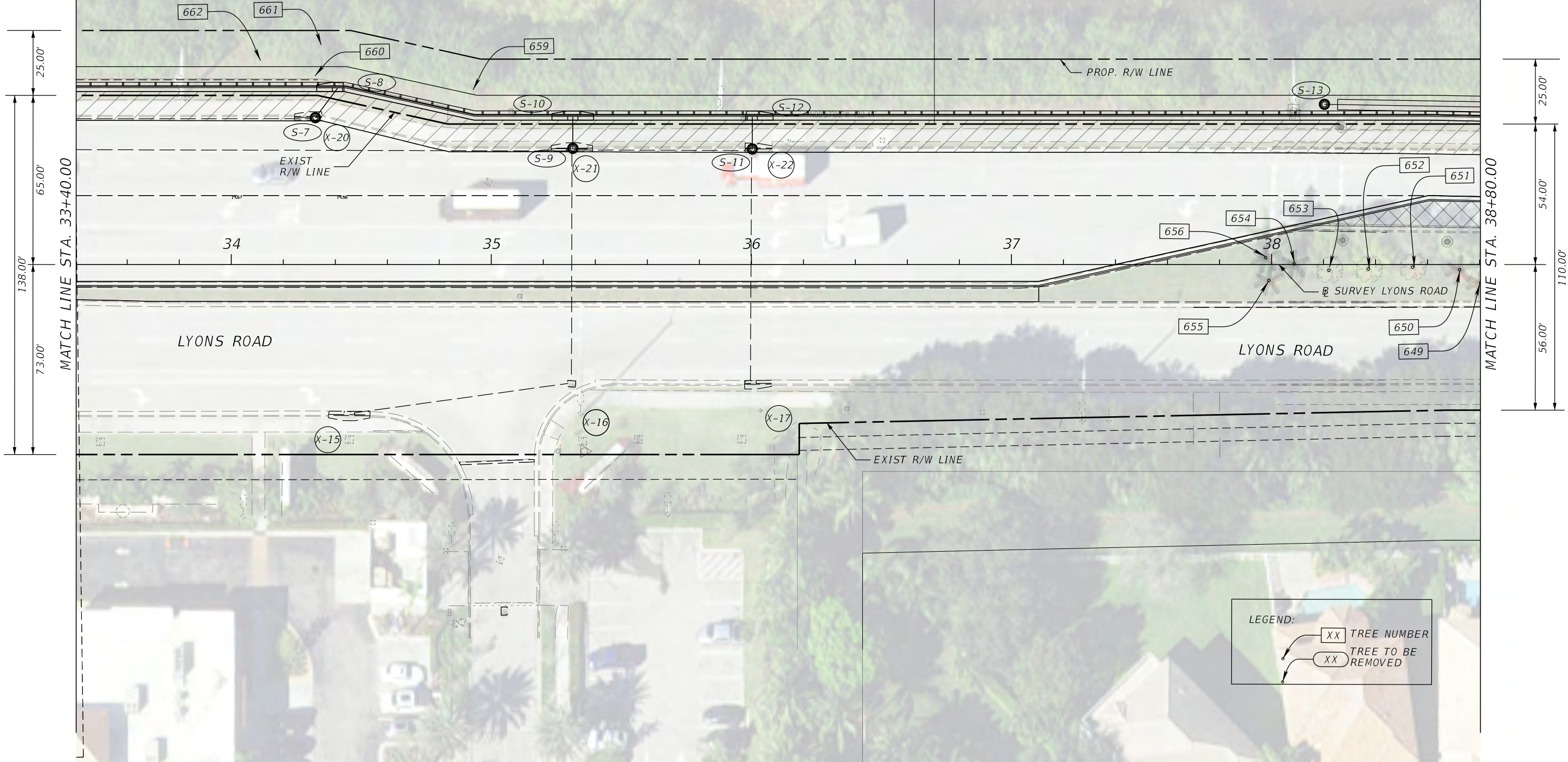
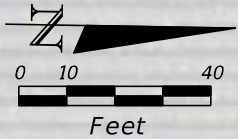
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APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025 8:05:24 PM

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TREE DISPOSITION PLAN

SHEET: 45
OF: 48
PROJECT NO.
2020110

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PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
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SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS

TREE DISPOSITION PLAN

SHEET: 46

OF: 48

PROJECT NO.
2020110

Mohammad Khan

11/13/2025

8:06:31 PM

Q:\Projects\1930010908_Lyons_Boynton_Bch\2020110\roadway\Treesrd04.dgn

LEGEND:

- XX TREE NUMBER
- XX TREE TO BE REMOVED

Match Line Sta. 38+80.00

Match Line Sta. 44+20.00

Prop. R/W Line

Survey Lyons Road

Lyons Road

Stationing: 39, 40, 41, 42, 43, 44

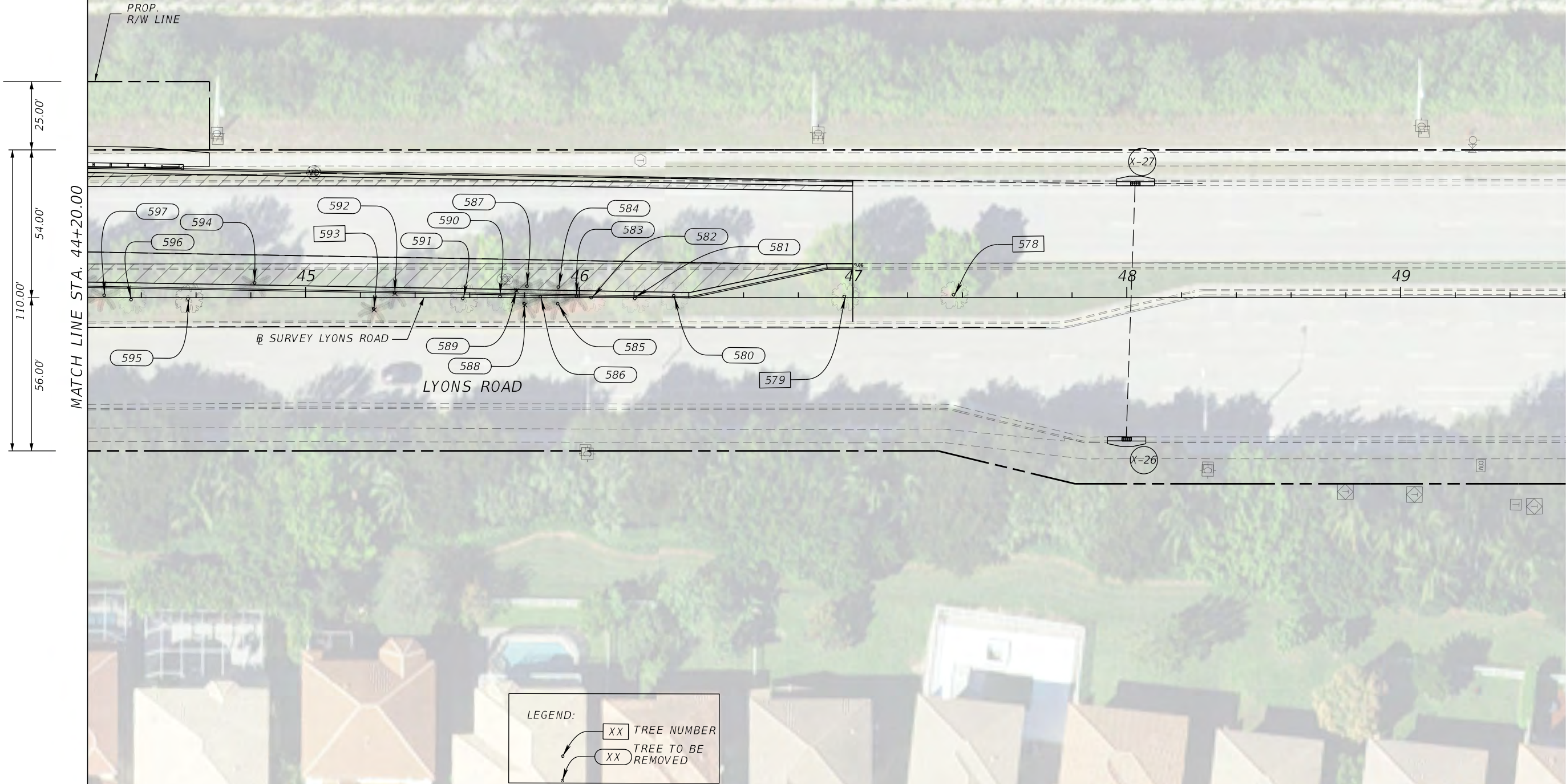
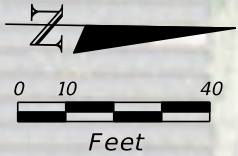
Tree Numbers: 648, 647, 642, 639, 637, 635, 633, 631, 629, 625, 623A, 620, 617, 615, 611, 607, 609, 605, 602, 598, 604, 603, 601, 600, 599, 646, 644, 643, 640, 638, 636, 634, 632, 628, 626, 624, 623, 622, 621, 619, 618, 616, 614, 612, 610, 608, 606, 603, 601, 600, 599

Dimensions: 25.00', 54.00', 56.00', 110.00'

Scale: 0, 10, 40 Feet

North Arrow

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



PROPEL ENGINEERING, LLC.
2711 N VISTA PARKWAY, SUITE B-7
WEST PALM BEACH, FLORIDA 33411
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

MAJHARUL ALAM
P.E.# 61600

No.	Revisions	By	Date



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

Mohammad Khan

SCALE: N.T.S.
APPROVED: MA
DRAWN: PBV
CHECKED: ARB
DATE: 11/13/2025

11/13/2025

LYONS RD. AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
TREE DISPOSITION PLAN

8:08:43 PM

SHEET: 48
OF: 48
PROJECT NO.
2020110

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11/26/2024 12:18:16 PM Joliva J:\Tierra Documents\Projects\TSF 2023\7111-23-253\Lyons Road and Boynton Beach Boulevard Intersection Improvements (Propel Engineering)\Geotechnical\7111_23_253_sPlan_sProfile.dgn

DATE OF SURVEY :
SURVEY MADE BY :
SUBMITTED BY :

NOVEMBER 2024
TIERRA SOUTH FLORIDA, INC.
TIERRA SOUTH FLORIDA, INC.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
MATERIALS AND RESEARCH

DISTRICT :
ROAD NO. :
COUNTY : PALM BEACH

PROJECT NAME: LYONS ROAD AND BOYNTON BEACH INTERSECTION IMPROVEMENTS

CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA.: TBD SURVEY ENDS STA.:TBD

REFERENCE: _____

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		NO. OF TESTS	SIEVE ANALYSIS RESULTS % PASS					NO. OF TESTS	ATTERBERG LIMITS (%)			DESCRIPTION	CORROSION TEST RESULTS				
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	% MOISTURE		10 MESH	40 MESH	60 MESH	100 MESH	200 MESH		LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP		NO. OF TESTS	RESISTIVITY ohms - cm	CHLORIDE ppm	SULFATES ppm	pH
1	-	-	-	-	-	-	-	-	-	-	-	-	-	A-8	TOPSOIL	-	-	-	-	-
2	1	0.7	2	3.1 - 5.0	2	60-67	52-59	28-35	6 - 9	0	-	-	-	A-3	LIGHT BROWN TO BROWN SAND WITH LIMEROCK (FILL)	-	-	-	-	-
3	3	0.2 - 0.6	4	4.0 - 22.5	4	96-100	84-93	47-72	12-18	0 - 3	-	-	-	A-3	LIGHT BROWN TO BROWN SAND	1	5,600	45	105	7.1
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-

EMBANKMENT AND SUBGRADE MATERIAL

1. STRATA BOUNDARIES ARE APPROXIMATE AND REPRESENT SOIL STRATA AT EACH BORING LOCATION ONLY. ANY SUBSOIL CONNECTING LINES SHOWN ARE FOR ESTIMATING EARTHWORK ONLY AND DO NOT INDICATE ACTUAL STRATUM LIMITS. SUBSURFACE VARIATIONS BETWEEN BORINGS SHOULD BE ANTICIPATED AS INDICATED IN STANDARD SPECIFICATIONS SECTION 2-4. FOR FURTHER DETAILS SEE SECTION 120-3.
2. GROUNDWATER LEVEL SHOWN AS (∇) WHERE ENCOUNTERED. GROUNDWATER NOT ENCOUNTERED SHOWN AS "GNE".
3. REMOVAL OF MUCK AND PLASTIC MATERIAL OCCURRING WITHIN ROADWAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH STANDARD PLANS INDEX 120-002, UNLESS OTHERWISE SHOWN ON THE PLANS. THE MATERIAL UTILIZED IN EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD PLANS INDEX 120-001.
4. SOIL ANALYSIS INCLUDES DATA FROM ROADWAY AREAS AS NOTED IN LIMITS ABOVE.
5. THE SYMBOL "-" REPRESENTS AN UNMEASURED PARAMETER.
6. "NP" REPRESENTS NON-PLASTIC.
7. STRATUM 1 CONSISTS OF TOPSOIL (A-8) AND SHOULD BE STRIPPED FROM THE PROPOSED WIDENING AND NEW PAVEMENT AREAS IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 120-EXCAVATION AND EMBANKMENT.
8. STRATUM 2 CONSISTS OF LIGHT BROWN SAND WITH LIMEROCK (FILL) (A-3). THESE MATERIALS APPEAR TO BE SUITABLE TO USE IN SUBGRADE AND EMBANKMENT AND SHOULD BE UTILIZED ACCORDING TO STANDARD PLANS INDEX 120-001.
9. STRATUM 3 CONSISTS OF LIGHT BROWN TO BROWN SAND (A-3). THESE MATERIALS APPEAR TO BE SUITABLE TO USE IN SUBGRADE AND EMBANKMENT AND SHOULD BE UTILIZED ACCORDING TO STANDARD PLANS INDEX 120-001.

DRAWN BY:
JO

CHECKED BY:
ST

APPROVED BY:
RV

DATE:
11/26/2024

ENGINEER OF RECORDS

RAMAKUMAR VEDULA, P.E.
FLORIDA LICENSE NO.:
54873



TIERRA SOUTH FLORIDA
2765 VISTA PARKWAY, STE-10
WEST PALM BEACH, FL 33411

SCALE:
NTS

PROJECT NUMBER:
7111-23-253

SOIL SURVEY

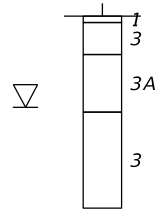
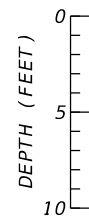
LYONS RD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
PALM BEACH COUNTY, FLORIDA

SHEET NO.

GR-1

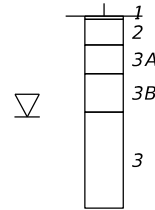
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Bore # AB-1
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.532493
Longitude -80.188863



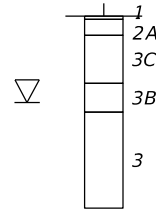
Boring Terminated
at Depth of 10ft

Bore # AB-2
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.532145
Longitude -80.188841



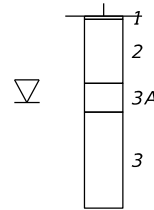
Boring Terminated
at Depth of 10ft

Bore # AB-3
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.5318
Longitude -80.188827



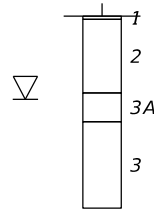
Boring Terminated
at Depth of 10ft

Bore # AB-4
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.531453
Longitude -80.188838



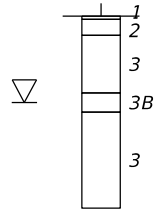
Boring Terminated
at Depth of 10ft

Bore # AB-5
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.531113
Longitude -80.188821



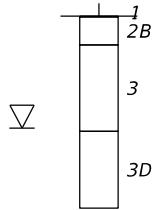
Boring Terminated
at Depth of 10ft

Bore # AB-6
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.530758
Longitude -80.18883



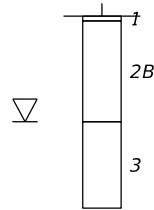
Boring Terminated
at Depth of 10ft

Bore # AB-7
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.530421
Longitude -80.188821



Boring Terminated
at Depth of 10ft

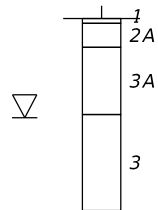
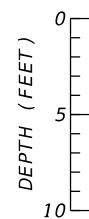
Bore # AB-8
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.530073
Longitude -80.188818



Boring Terminated
at Depth of 10ft

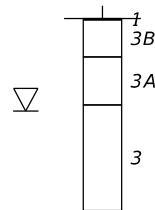


Bore # AB-9
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.529722
Longitude -80.188816



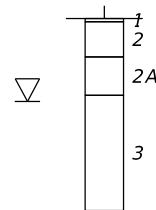
Boring Terminated
at Depth of 10ft

Bore # AB-10
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.529383
Longitude -80.188817



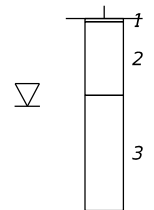
Boring Terminated
at Depth of 10ft

Bore # AB-11
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.529027
Longitude -80.188847



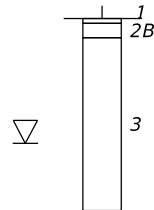
Boring Terminated
at Depth of 10ft

Bore # AB-12
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.528686
Longitude -80.188844



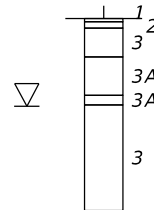
Boring Terminated
at Depth of 10ft

Bore # AB-13
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.528315
Longitude -80.188832

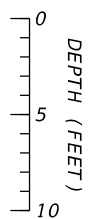


Boring Terminated
at Depth of 10ft

Bore # BHP-1
Date 11/8/2024
Driller Y. PINO
Hammer N/A
Latitude 26.530664
Longitude -80.188841



Boring Terminated
at Depth of 10ft



LEGEND

▽ Encountered Groundwater Table
(A-3) AASHTO Classification System

1. Topsoil (A-8)
2. Light Brown to Brown Sand with Limerock (FILL)(A-3)
3. Light Brown to Brown Sand (A-3)

A. trace of Shell
B. with Shell
C. trace Limerock
D. trace Limestone

NOTES

1. STRATA BOUNDARIES ARE APPROXIMATE AND MAY VARY BETWEEN OR AWAY FROM BORING LOCATIONS.
2. BORING LOCATION WAS MARKED IN THE FIELD USING A HANDHELD GPSMap GARMIN 78s. ACTUAL LOCATION AND COORDINATES ARE APPROXIMATE.
3. DEPTH SHOWN ARE IN FEET FROM EXISTING GROUND SURFACE

DRAWN BY:
JO

APPROVED BY:
RV

ENGINEER OF RECORDS

RAMAKUMAR VEDULA, P.E.
FLORIDA LICENSE NO.:
54873



TIERRA SOUTH FLORIDA
2765 VISTA PARKWAY, STE-10
WEST PALM BEACH, FL 33411

SCALE:

NTS

PROJECT NUMBER:

7111-23-253

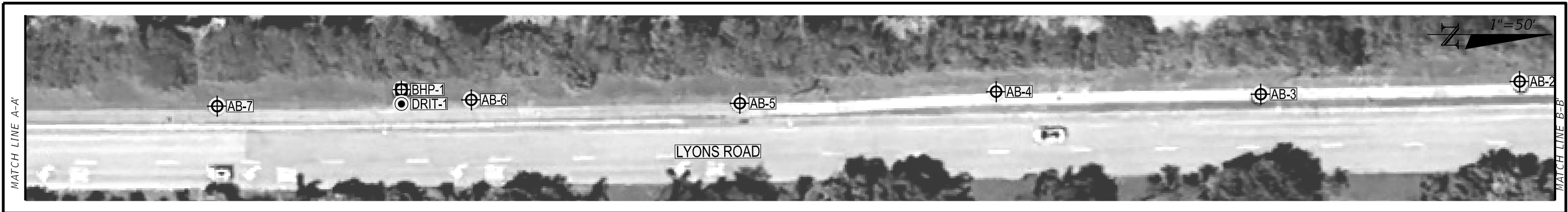
SOIL PROFILES

LYONS RD AND BOYNTON BEACH BLVD
INTERSECTION IMPROVEMENTS
PALM BEACH COUNTY, FLORIDA

SHEET NO.

GR-2

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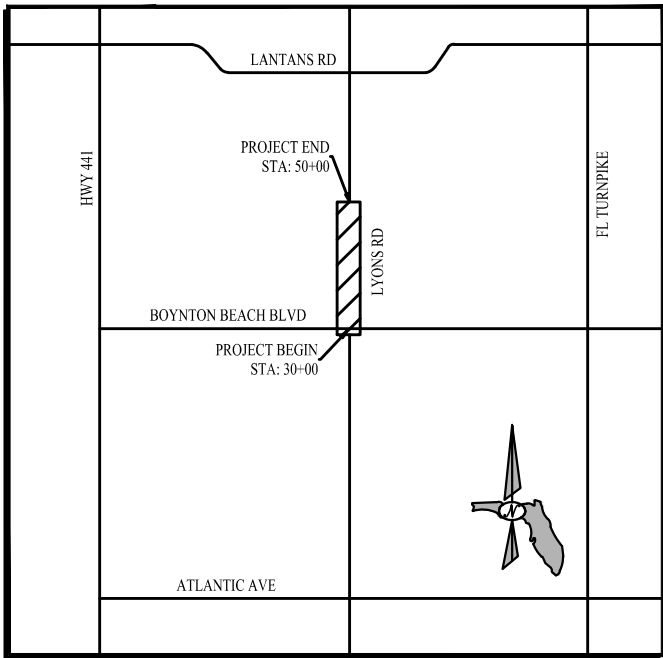


- ⊕ Approximate Location of Auger Boring
- ⊞ Approximate Location of Borehole Permeability (BHP) Test
- Approximate Location of Double Ring Infiltration Test (DRIT)

DRAWN BY: JO	APPROVED BY: RV	ENGINEER OF RECORDS RAMAKUMAR VEDULA, P.E. FLORIDA LICENSE NO.: 54873	 TIERRA SOUTH FLORIDA 2765 VISTA PARKWAY, STE-10 WEST PALM BEACH, FL 33411	SCALE: NTS	PROJECT NUMBER: 7111-23-253	BORING LOCATION PLAN LYONS RD AND BOYNTON BEACH BLVD INTERSECTION IMPROVEMENTS PALM BEACH COUNTY, FLORIDA	SHEET NO. GR-3
CHECKED BY: ST	DATE: 11/26/2024						

COUNTY OF PALM BEACH
STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2020110



VICINITY MAP
NOT TO SCALE

SECTIONS 19 & 20, TOWNSHIP 45 SOUTH, RANGE 42 EAST
PALM BEACH COUNTY, FLORIDA

MARIA G. MARINO
DISTRICT 1

GREGG K. WEISS
DISTRICT 2

MICHAEL A. BARNETT
DISTRICT 3

MARCI WOODWARD
DISTRICT 4

MARIA SACHS
DISTRICT 5

SARA BAXTER
DISTRICT 6

MACK BERNARD
DISTRICT 7

SURVEY REPORT:

1. THIS IS A SPECIFIC PURPOSE AND TOPOGRAPHIC SURVEY, PREPARED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARDS OF PRACTICE SET FORTH IN RULE 5J-17.051 THROUGH 5J-17.053, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES AND THE STANDARDS SET FORTH FOR SPECIFIC PURPOSE AND TOPOGRAPHIC SURVEYS IN THE PALM BEACH COUNTY ROADWAY DESIGN PROCEDURES MANUAL, DATED JANUARY 2019.

THE FIELD WORK WAS COMPLETED ON JANUARY 31, 2023.

2. THE SURVEY WAS BASED ON THE INFORMATION CONTAINED IN THE RIGHT-OF-WAY INFORMATION PACKAGE PROVIDED BY PALM BEACH COUNTY, MARCH 16, 2023, PROJECT NO.2020110.

3. BEARINGS ARE BASED ON N00°57'00"W (GRID, NAD 83/1990 ADJUSTMENT) ALONG THE EAST RIGHT-OF-WAY OF LYONS ROAD AS SHOWN ON COBBLESTONE PLAZA, PLAT BOOK 125, PAGE 44.

4. ALL FIELD-MEASURED CONTROL MEASUREMENTS EXCEEDED ACCURACY REQUIREMENTS OF 1:10,000 REQUIRED BY PALM BEACH COUNTY.

5. THE EXPECTED HORIZONTAL AND VERTICAL PRECISION OF ITEMS SHOWN ON THIS SURVEY ARE AS FOLLOWS:
1) TOPOGRAPHIC FEATURES - 0.20'
2) ELEVATIONS ON CONSTRUCTED HARD SURFACES (PAVEMENT, CONCRETE, ETC.) - 0.05'
3) ELEVATIONS ON NATURAL SURFACES (GROUND, DIRT, ETC.) - 0.10'

6. COMPUTED DISTANCES (C), WHERE SHOWN, ARE EITHER BASED ON UNDERLYING RECORD PLAT DATA OR ARE BASED ON FIELD MEASUREMENTS.

7. THE RIGHT-OF-WAY INFORMATION PROVIDED BY PALM BEACH COUNTY ON MARCH 16, 2023, PROJECT NO.2020110, LYONS ROAD AT BOYNTON BEACH BOULEVARD, HAS BEEN REVIEWED BY THIS OFFICE. THIS OFFICE HAS FOUND NO GAPS, GORES, OVERLAPS, OR MISSING SEGMENTS IN THE RIGHT-OF-WAY CORRIDOR PROVIDED UNLESS OTHERWISE SHOWN ON THIS SURVEY. NO SEARCH OF THE PUBLIC RECORDS HAS BEEN PERFORMED BY THIS OFFICE. IT IS POSSIBLE THAT THERE ARE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS RESTRICTIONS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE SUBJECT PROPERTY WHICH ARE UNKNOWN TO THE SIGNING SURVEYOR AND ARE NOT SHOWN ON THIS SURVEY.

8. THIS SURVEY WAS PREPARED FOR THE SPECIFIC PURPOSE OF PROVIDING TOPOGRAPHIC AND RIGHT-OF-WAY INFORMATION TO PROPEL ENGINEERING, INC. FOR THE DESIGN OF ROADWAY IMPROVEMENTS. THIS SURVEY IS NOT VALID FOR ANY OTHER USE.

9. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

10. THIS SURVEY WAS PREPARED FOR THE PARTIES LISTED BELOW AND IS NOT ASSIGNABLE:
-PROPEL ENGINEERING, INC.

-PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

THE USE OF THE DATA SHOWN HEREON BY ANY OTHER PARTY SHALL BE AT THE RISK OF THE USER.

11. THIS MAP IS INTENDED TO BE DISPLAYED AT A SCALE OF 1"=40', ON 11"x 17" SHEETS.

12. THE UNDERLYING 2023 PALM BEACH COUNTY AERIAL PHOTO IS SHOWN FOR INFORMATION ONLY AND IS NOT A PART OF THIS SURVEY.

13. SOME TOPOGRAPHIC FEATURES MAY BE EXAGGERATED IN SCALE FOR CLARITY. THE CENTER OF THE SYMBOL OF SUCH FEATURES IS THE CORRECT LOCATION.

14. NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED AS PART OF THIS SURVEY.

15. ELEVATIONS SHOWN HEREON ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988, AND ARE REFERENCED TO PALM BEACH COUNTY BENCHMARK "TRIDENT", ELEVATION=20.359.

16. $\times 100$ DENOTES SPOT ELEVATION, REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988.

17. STATE PLANE COORDINATES
A. COORDINATES SHOWN ARE GRID
B. DATUM - NAD 83, 1990 ADJUSTMENT
C. ZONE - FLORIDA EAST
D. LINEAR UNIT - US SURVEY FOOT
E. COORDINATE SYSTEM 1983/1990 STATE PLANE
F. TRANSVERSE MERCATOR PROJECTION
G. ALL DISTANCES ARE GROUND, UNLESS NOTED OTHERWISE
H. SCALE FACTOR - 1.0000218
I. GROUND DISTANCE X SCALE FACTOR=GRID DISTANCE
J. ROTATION EQUATION: NONE

18. © COPYRIGHT 2023 BY BROWN & PHILLIPS, INC. REPRODUCTIONS OF THIS SURVEY ARE NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND STAMP, OR A DIGITALLY VERIFIED ELECTRONIC SIGNATURE AND SEAL, OF A FLORIDA LICENSED SURVEYOR AND MAPPER EMPLOYED BY BROWN & PHILLIPS, INC.

ABBREVIATIONS:

P.O.C.- POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING
P.B. - PLAT BOOK
RPB - ROAD PLAT BOOK
ORB - OFFICIAL RECORD BOOK
D.B. - DEED BOOK
PG. - PAGE
R/W - RIGHT-OF-WAY
CL - CENTERLINE
BL - BASELINE
R - RADIUS
Δ - CENTRAL ANGLE
A - ARC LENGTH
U.E. - UTILITY EASEMENT
D.E. - DRAINAGE EASEMENT
L.A.E. - LIMITED ACCESS EASEMENT
L.B.E. - LANDSCAPE BUFFER EASEMENT
E.E. - EMBANKMENT EASEMENT
P.C.E. - PERMANENT CONSTRUCTION EASEMENT
PBC - PALM BEACH COUNT
FPL - FLORIDA POWER & LIGHT
LWDD - LAKE WORTH DRAINAGE DISTRICT
FDOT - FLORIDA DEPARTMENT OF TRANSPORTATION

FPL - FLORIDA POWER & LIGHT
SEC. - SECTION
/43/42 - TOWNSHIP 43 SOUTH, RANGE 42 EAST
(P) - PLAT DIMENSION
(D) - DEED DIMENSION
(C) - CALCULATED DIMENSION
IR - IRON ROD
IRC - IRON ROD WITH CAP AS NOTED
C.M. - 4"x4" CONCRETE MONUMENT
PRM - PERMANENT REFERENCE MONUMENT
PCP - PERMANENT CONTROL POINT
MND - MAG NAIL & DISK (LB6473)
N/D - NAIL & DISK (LB6473)
MNTT - MAG NAIL & TIN TAB
PK - PARKER KALON
NAD - NORTH AMERICAN DATUM
NAVD - NORTH AMERICAN VERTICAL DATUM
LB - LICENSED BUSINESS
INV - INVERT
EL. - ELEVATION
CMP - CORRUGATED METAL PIPE
CONC - CONCRETE
RCP - REINFORCED CONCRETE PIPE
HDPE - HIGH DENSITY POLYETHYLENE PIPE

SURVEYOR'S CERTIFICATE:

WE HEREBY CERTIFY THAT THE ATTACHED SKETCH OF SPECIFIC AND TOPOGRAPHIC SURVEY MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN RULE 5J-17.051-.053, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES, AND THE STANDARDS SET FORTH FOR SPECIFIC PURPOSE AND TOPOGRAPHIC SURVEYS IN THE PALM BEACH COUNTY ROADWAY DESIGN PROCEDURES MANUAL, DATED JANUARY 2019, AND THAT THE MAP IS A TRUE AND CORRECT REPRESENTATION OF THE LAND SURVEYED UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION.

BROWN & PHILLIPS, INC.
BY:

BROWN & PHILLIPS, INC.
PROFESSIONAL SURVEYING SERVICES
CERTIFICATE OF AUTHORIZATION # LB 6473
1860 OLD OKEECHOBEE ROAD, SUITE 509, W.P.B., FL. 33409
TELEPHONE 561-615-3988, 615-3991 FAX

E-Mail: info@brown-phillips.com
B&P Project No. 23-003

JOHN E. PHILLIPS III
PROFESSIONAL LAND SURVEYOR
STATE OF FLORIDA No. 4826
DATE:

No:	Revision:	By:	Date:
1	Revised per 6/26/23 comments.	DKN	7/24/23
2	Revised per 8/24/23 comments.	DKN	9/19/23

Scale: N.T.S.
Approved: JEP
Drawn: AB
Checked: JEP
Date: FEB, 2021
F.B. LYONS RD
Pages 66-77



PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229
WEST PALM BEACH, FLORIDA

Project: LYONS RD & BOYNTON
BEACH BLVD
SKETCH OF SPECIFIC PURPOSE
AND TOPOGRAPHIC SURVEY

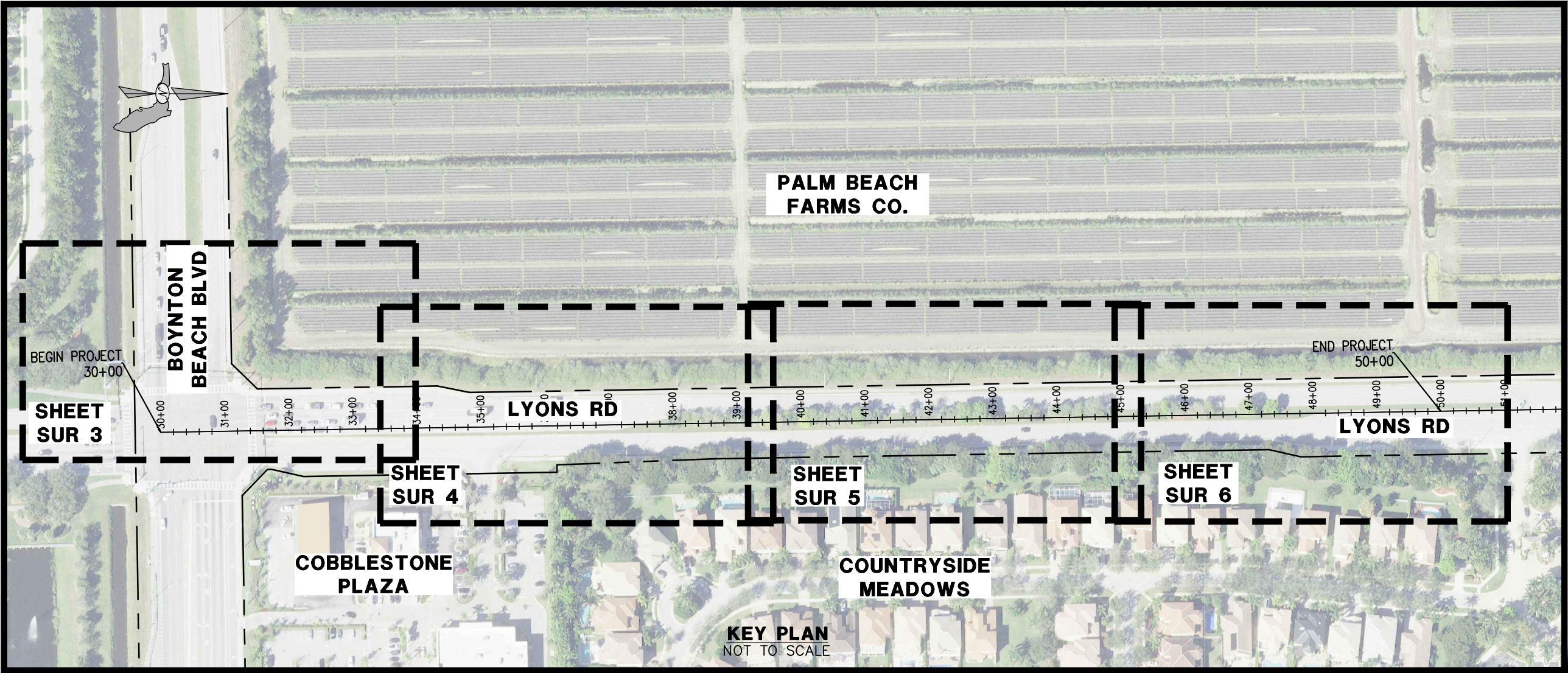
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23-003 LYONS RD AND BOYNTON BEACH BLVD SPECIFIC PURPOSE SURVEY

Sheet: **SUR 1**
of: **SUR 7**

Project No. 23-003

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LEGEND	
	BENCHMARK
	CONCRETE LIGHT POLE
	COMMUNICATION BOX
	CURB INLET @ LOW POINT
	ELECTRIC BOX
	FIRE HYDRANT
	GAS MARKER
	GUY ANCHOR
	IRRIGATION VALVE
	MANHOLE DRAINAGE
	SIGN
	TRAFFIC SIGNAL BOX
	TRANSFORMER
	VALVE
	WOOD LIGHT POLE
	CURB
	TOE OF SLOPE
	TOP OF BANK
	ASPHALT
	CONCRETE
	OAK TREE
	PALM TREE

**BROWN & PHILLIPS, INC.**
PROFESSIONAL SURVEYING SERVICES
CERTIFICATE OF AUTHORIZATION # LB 6473
1860 OLD OKEECHOBEE ROAD, SUITE 509, W.P.B., FL. 33409
TELEPHONE 561-615-3988, 615-3991 FAX

E-Mail: info@brown-phillips.com
B&P Project No. 23-003

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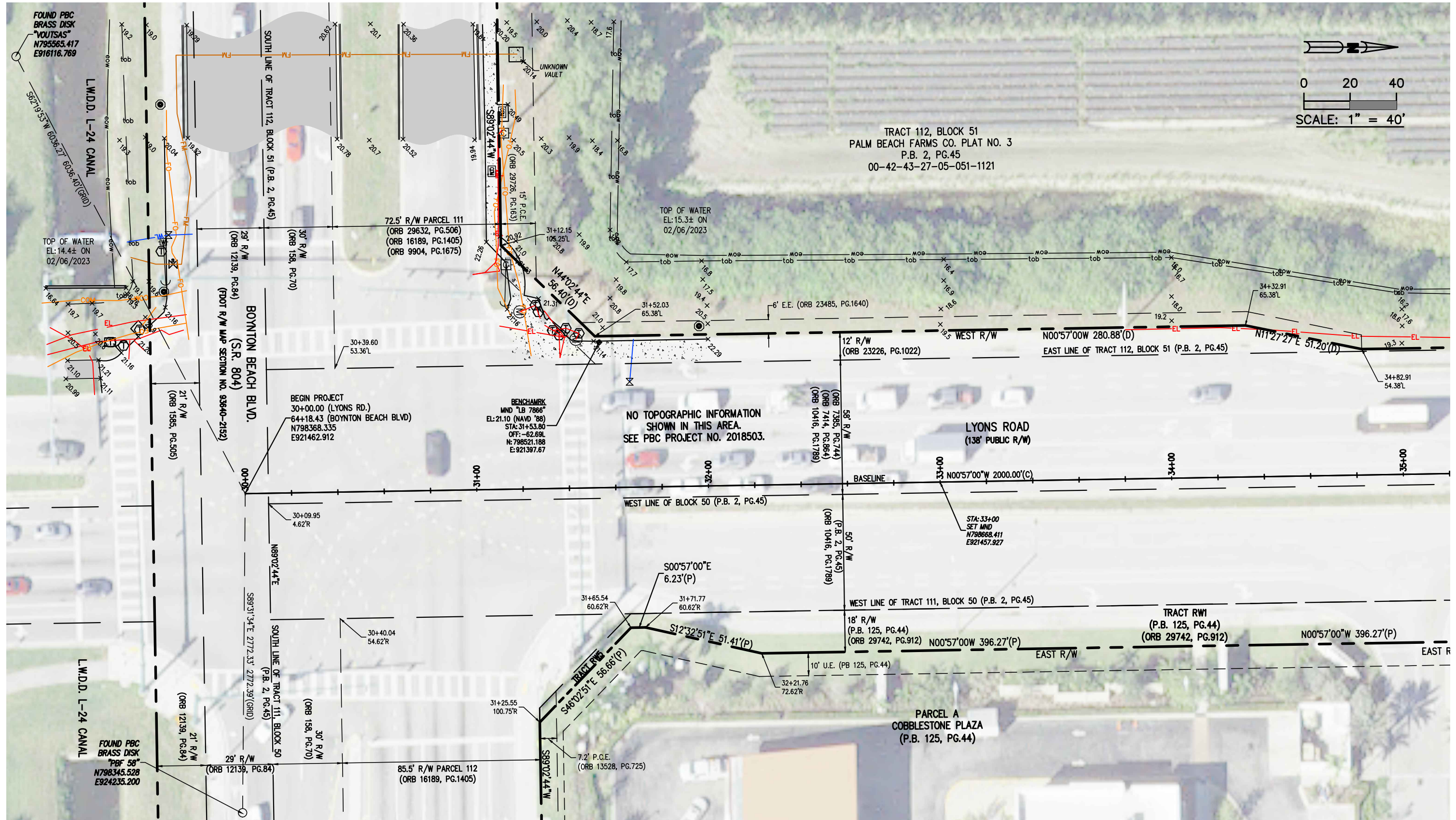


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Project:
LYONS RD & BOYNTON
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Sheet: SUR 2
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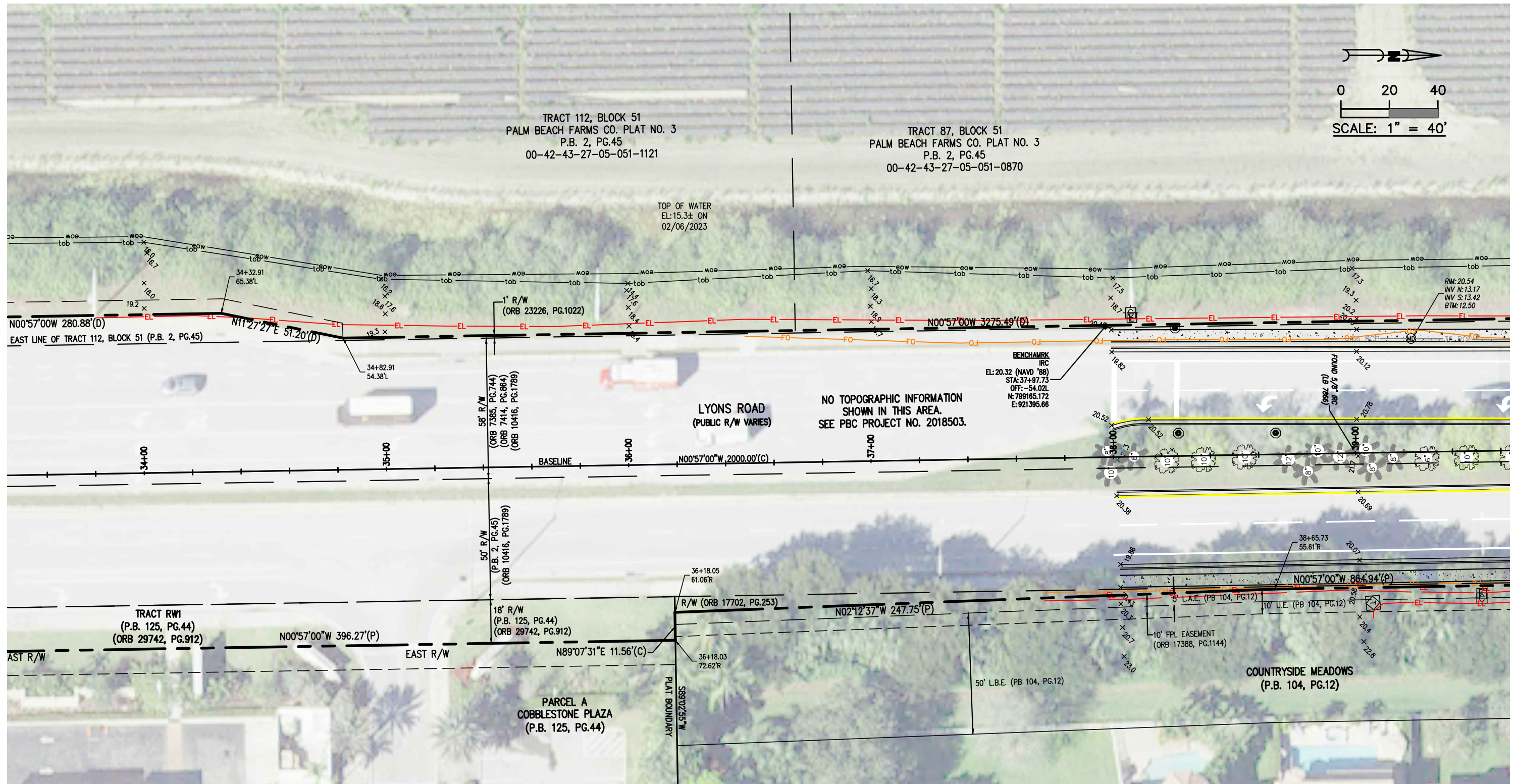


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Project:
LYONS RD & BOYNTON
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AND TOPOGRAPHIC SURVEY

Sheet: **SUR 3**
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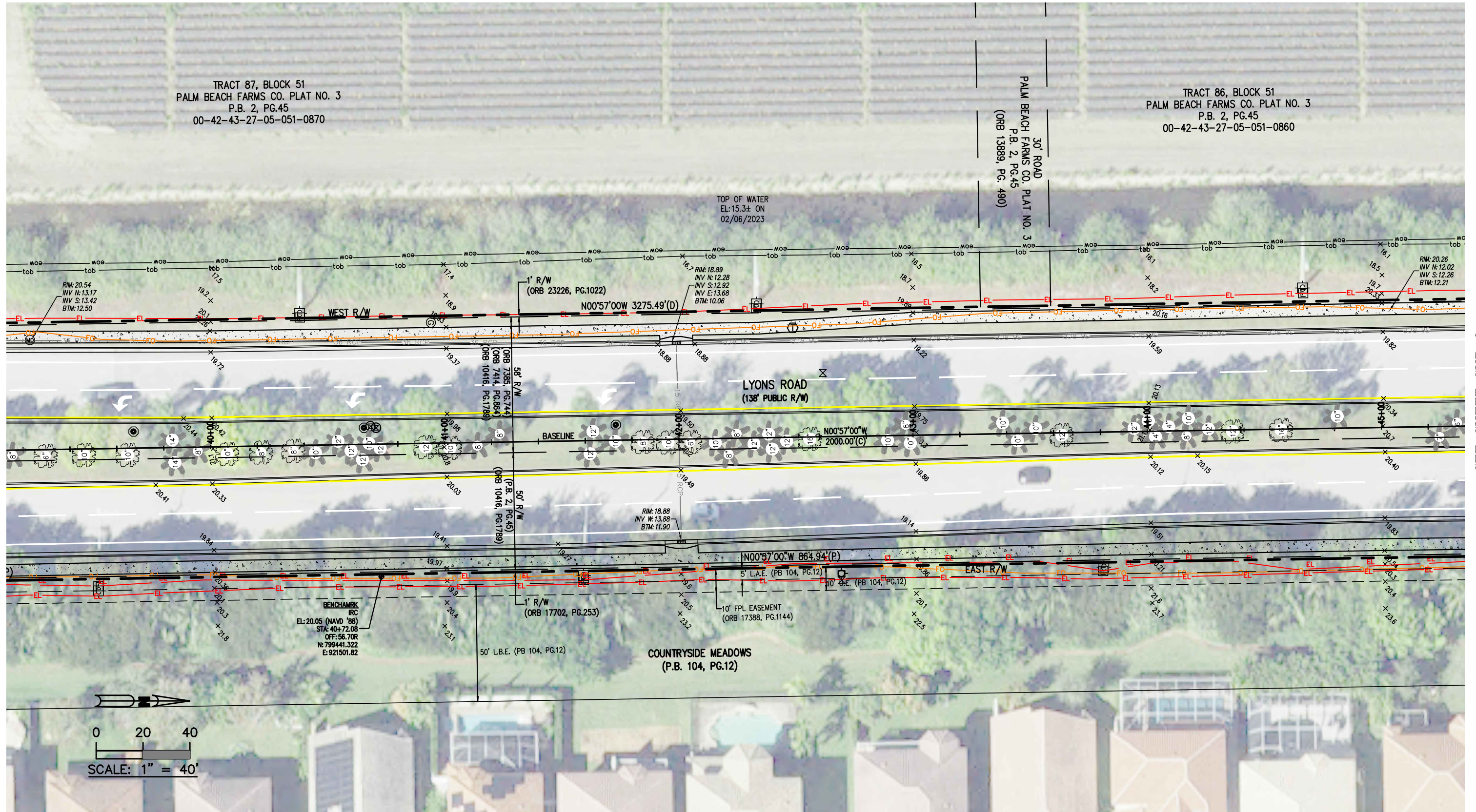
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Project:	LYONS RD & BOYNTON BEACH BLVD
SKETCH OF SPECIFIC PURPOSE AND TOPOGRAPHIC SURVEY	

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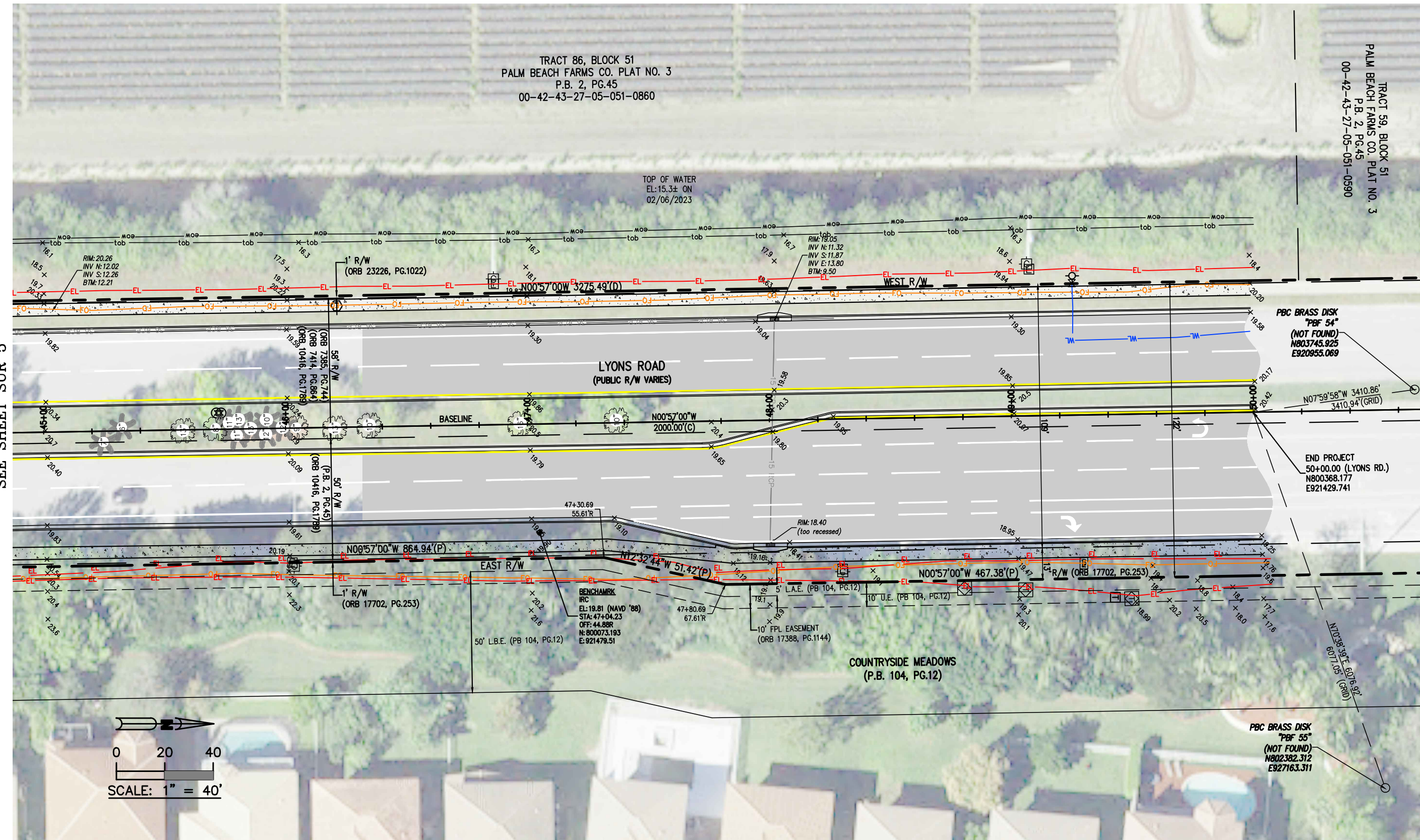
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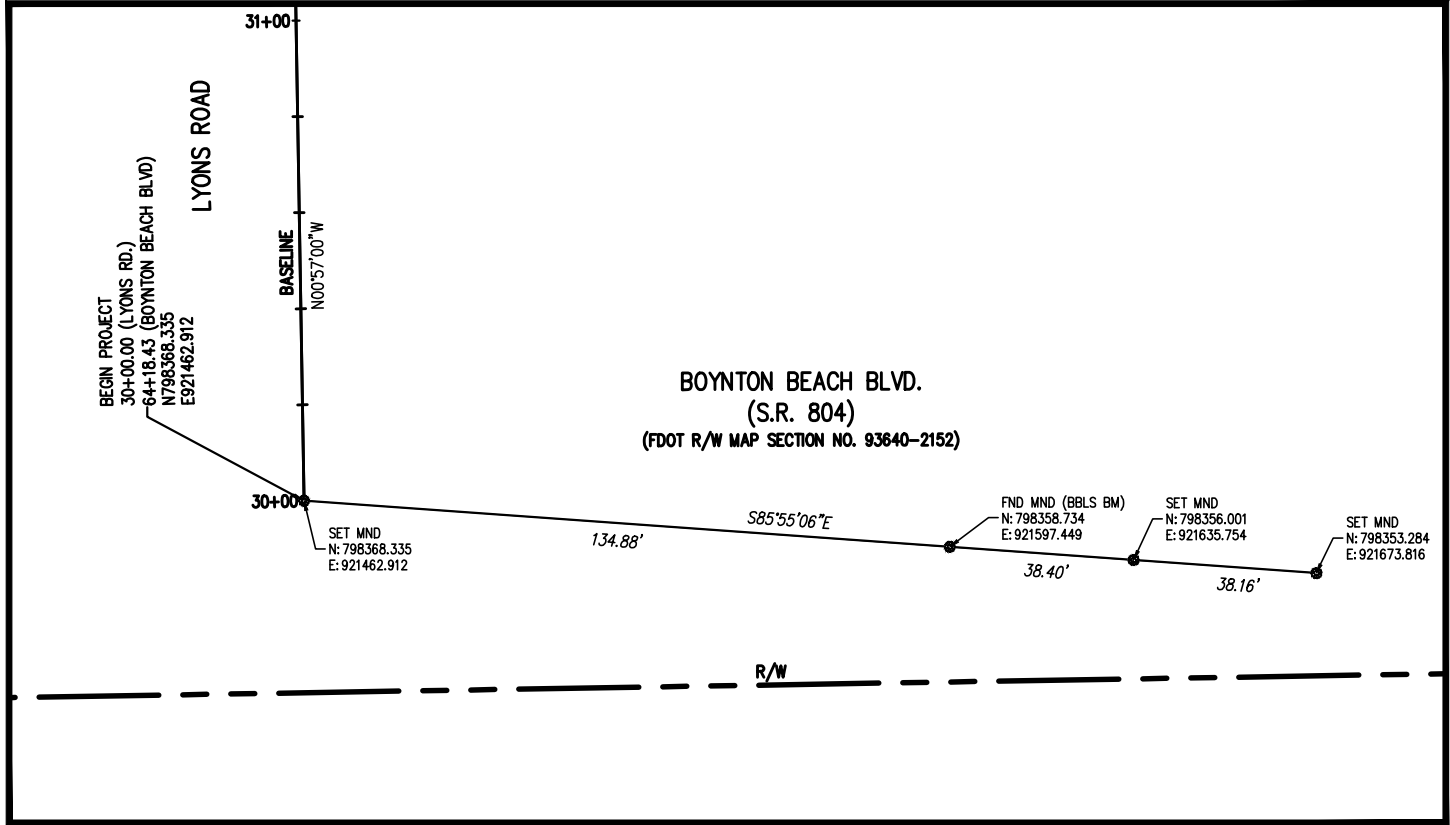
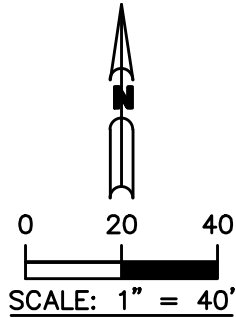
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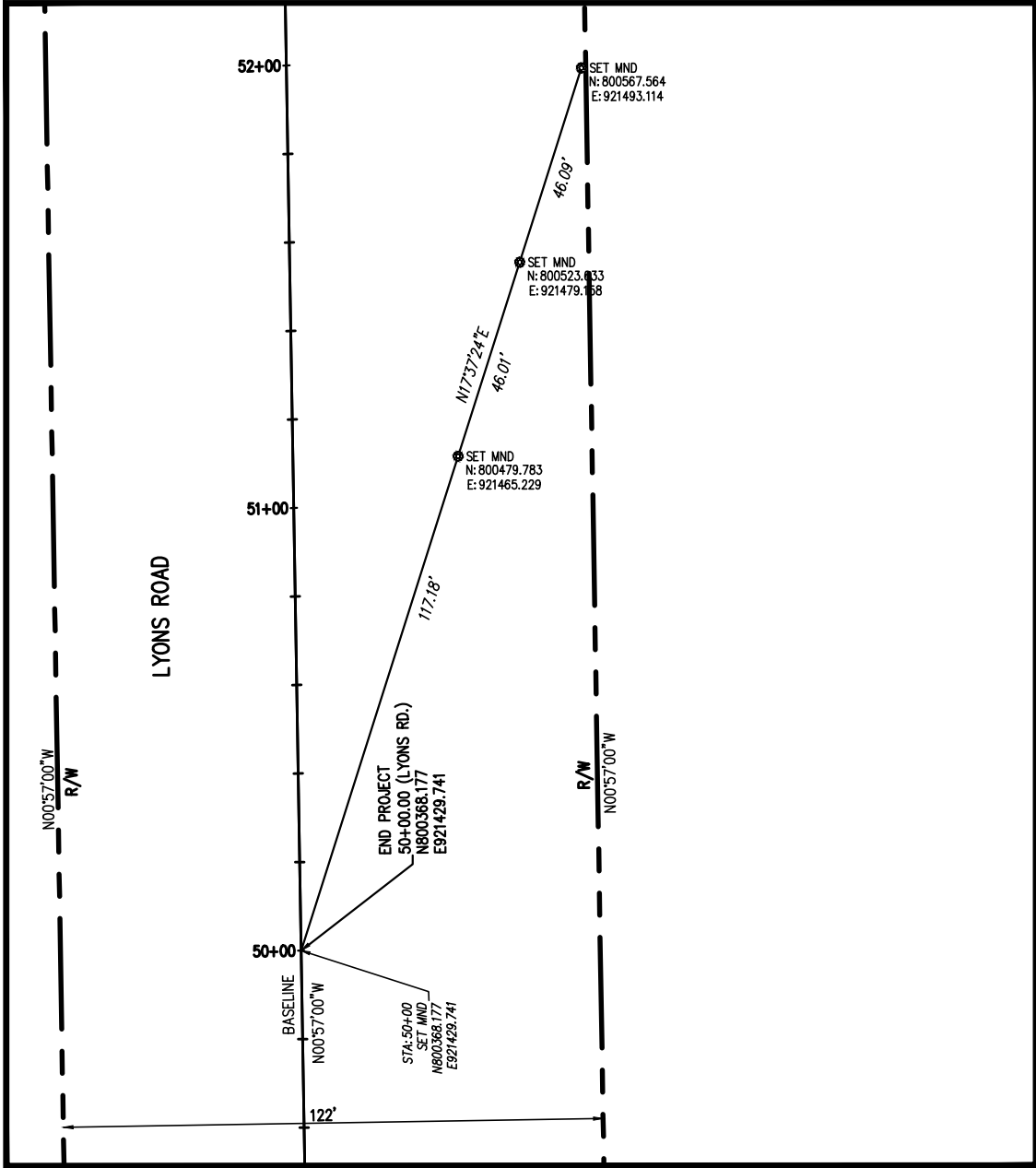
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STA: 30+00 BEGIN PROJECT



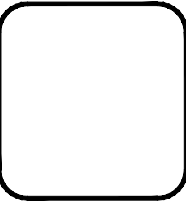
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