



City of Pembroke Pines

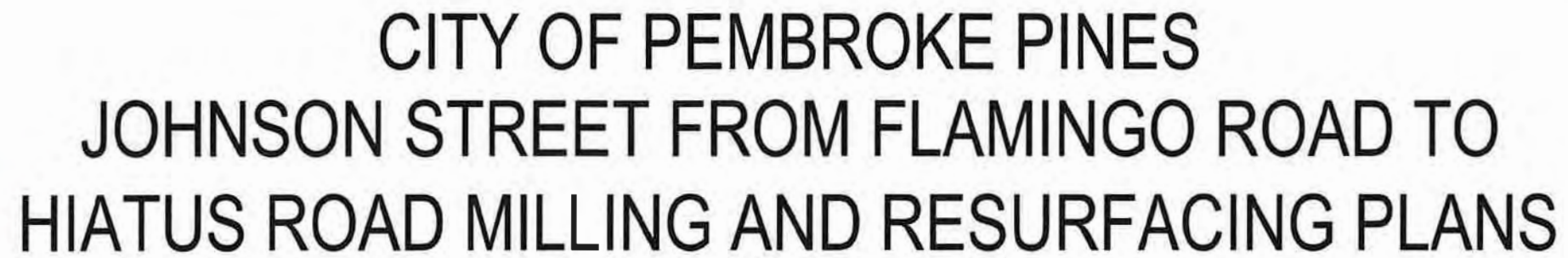
EXHIBIT “B”

City Projects

Plans for Project on Johnson Street from Flamingo Road to Hiatus Road

Plans for Project on Johnson Street from Hiatus to Palm Avenue

Plans for Project on Hiatus Road from Pines Blvd to Pembroke Road



APRIL 2025




1 BROWARD COUNTY TRAFFIC ENGINEERING DIVISION REVIEW DOES NOT GUARANTEE REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.

2 BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKETS MADE OF PAVEMENT

3 INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UNWARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UNWARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTERED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, IN-PAVEMENT LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKES LANE(S) FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-STREET PAVEMENT MARKINGS AND SIGNING, OFF-CURB PAVEMENT MARKINGS AND SIGNING, RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR RELATED WORK.

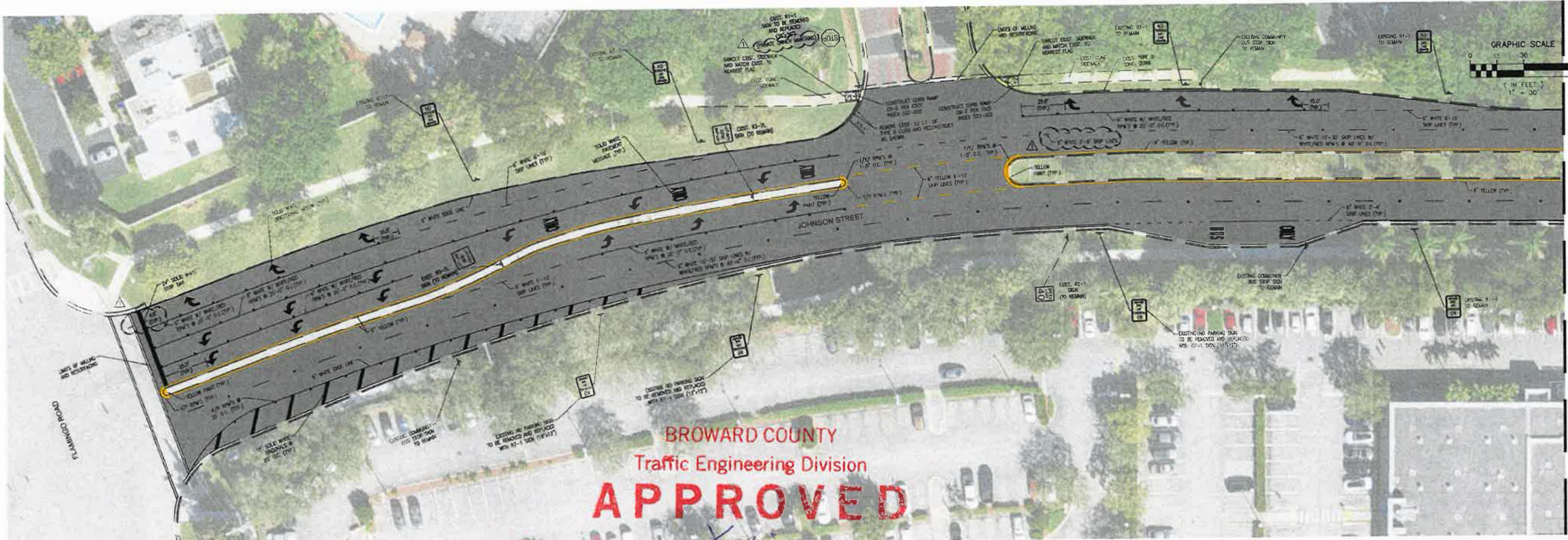
4 THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS (ON OR ADJACENT) TO PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKETS MADE OF PAVEMENT BRICKS, INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UNWARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UNWARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTERED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BUMPER SIGNS, RECTANGULAR, UNWRAPPED FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-Road LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANE(S), FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-STREET PAVEMENT MARKINGS AND SIGNING.

A

	
DATE: APRIL 2025	
SHEET NAME: COVER SHEET	
PROJECT TITLE: JOHNSON STREET FROM MARINO ROAD TO HIGH ROAD MILLING AND RESURFACING PLANS	
<h1>PERMIT PLANS</h1>	

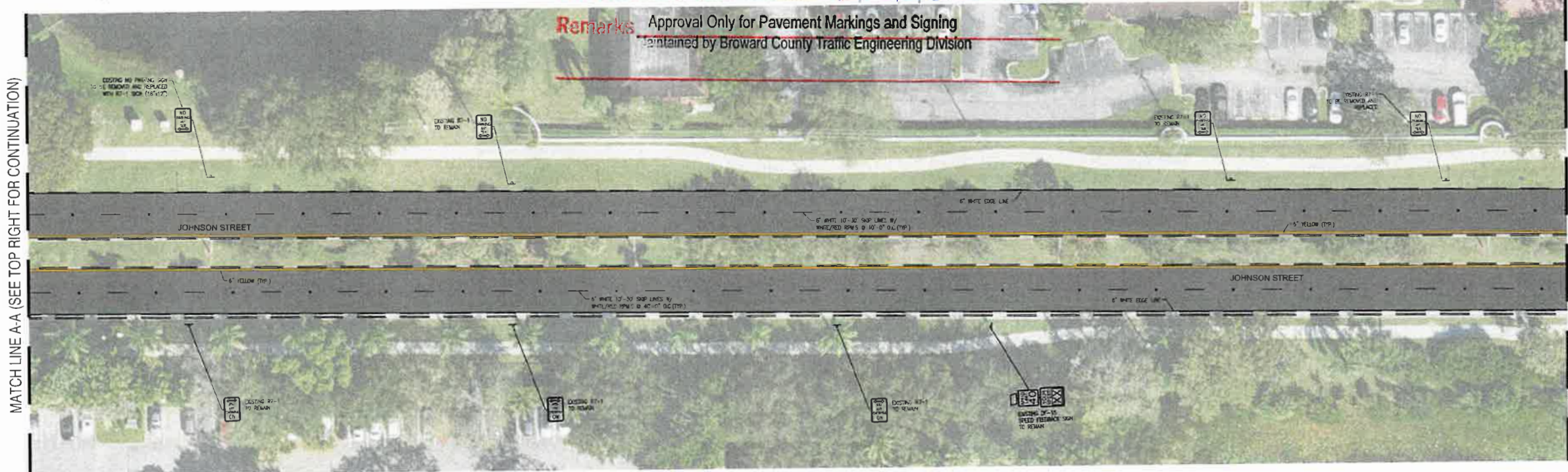
BCTD REF. No 250313063

Exhibit "B-1"



By [Signature]
Date 7/11/2025

Remarks Approval Only for Pavement Markings and Signing
Maintained by Broward County Traffic Engineering Division



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GENERAL NOTES:

- ALL TRAFFIC CONTROL DEVICES MAINTAINED BY BROWARD COUNTY, THAT ARE REMOVED OR DAMAGED BY CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR USING CURRENT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS.
- THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S (BCTED'S) REVIEW DOES NOT INCLUDE THE SIGNAGE AND PAVEMENT MARKINGS WITHIN THE PARKING LOTS OR ANY PRIVATE DRIVEWAY CONNECTIONS.



CITY OF PEMBROKE PINES	
ENGINEERING DIVISION 8300 SOUTH PALM DRIVE PEMBROKE PINES, FLORIDA 33025 TEL: (954) 518-9040	
DATE: JUNE 2024	SCALE: 1" = 30'
DRAWN BY: M.J.O.	DESIGNED BY: M.J.O.
CHECKED BY: J.L.E.	
REVISIONS	
NO.	DATE
DESCRIPTION	
04/21/2025 M.J.O. REVISED PER BCTD	
MILLING AND RESURFACING PLAN	
JOHNSON STREET - FROM FLAMINGO ROAD TO HIATUS ROAD PEMBROKE PINES, FLORIDA 33028	
SHEET NAME: C1	
SHEET 2 OF 7	
CITY OF P.P. PLAN SUBMITTAL PERMIT PLANS	
SUBMITTAL DATE: APRIL 2025	

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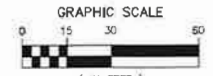
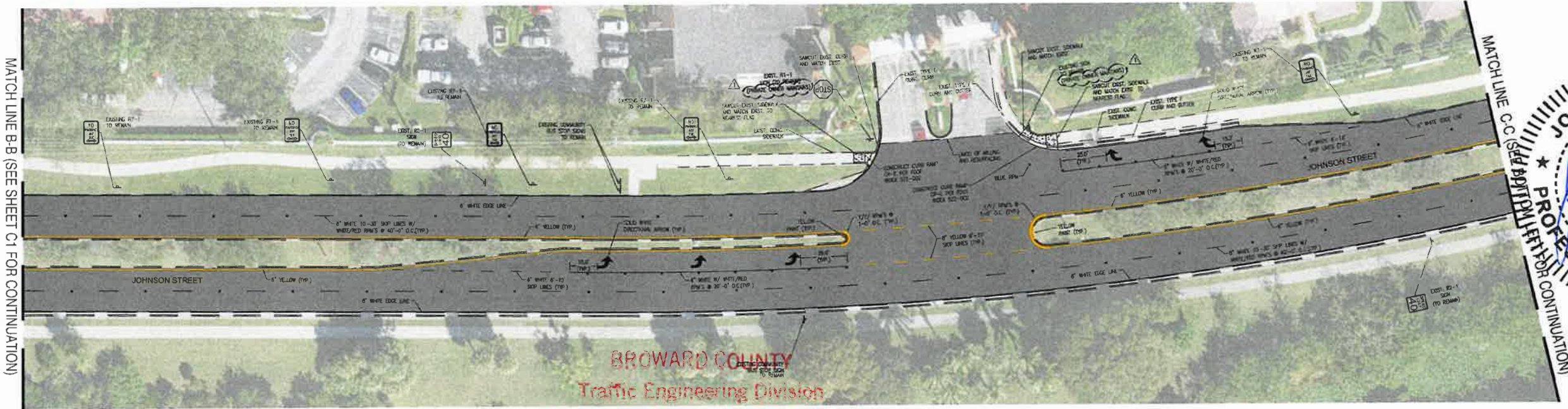
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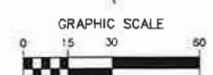
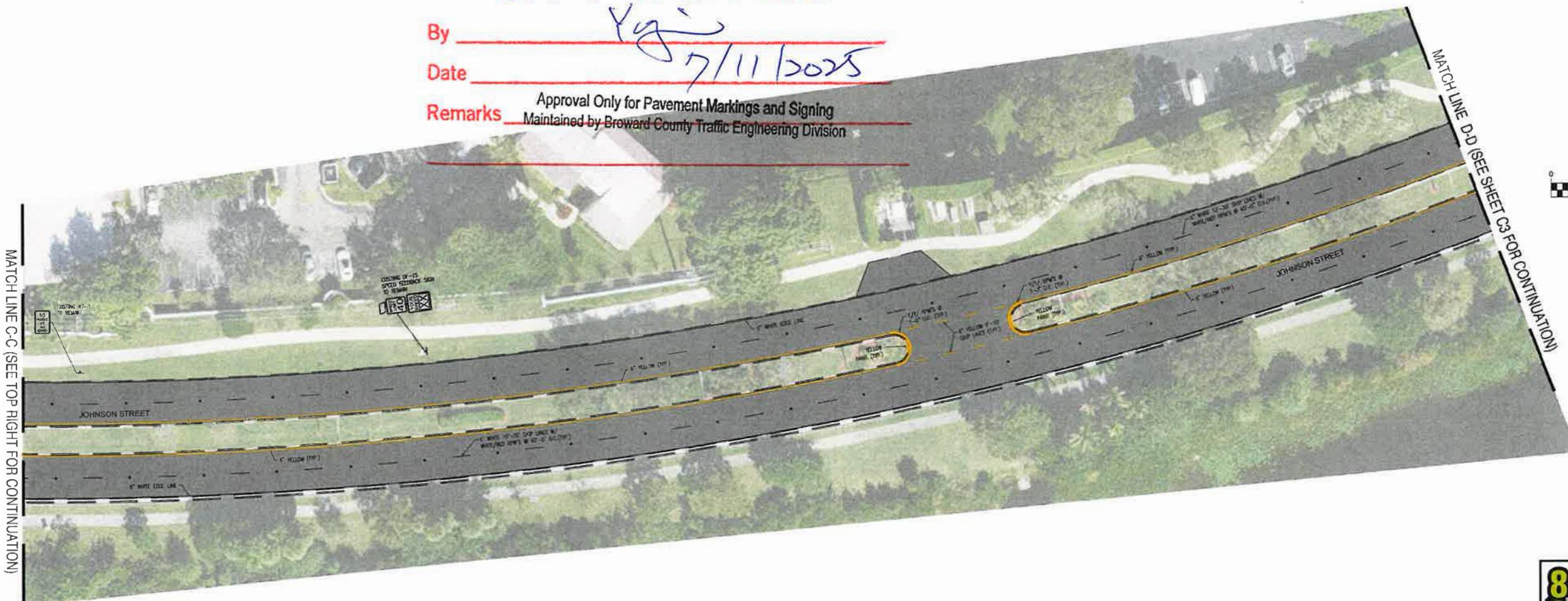
BCTED REF. No 250313063

Exhibit "B-1"



BROWARD COUNTY
Traffic Engineering Division
APPROVED

By [Signature]
Date 7/11/2025
Remarks Approval Only for Pavement Markings and Signing
Maintained by Broward County Traffic Engineering Division



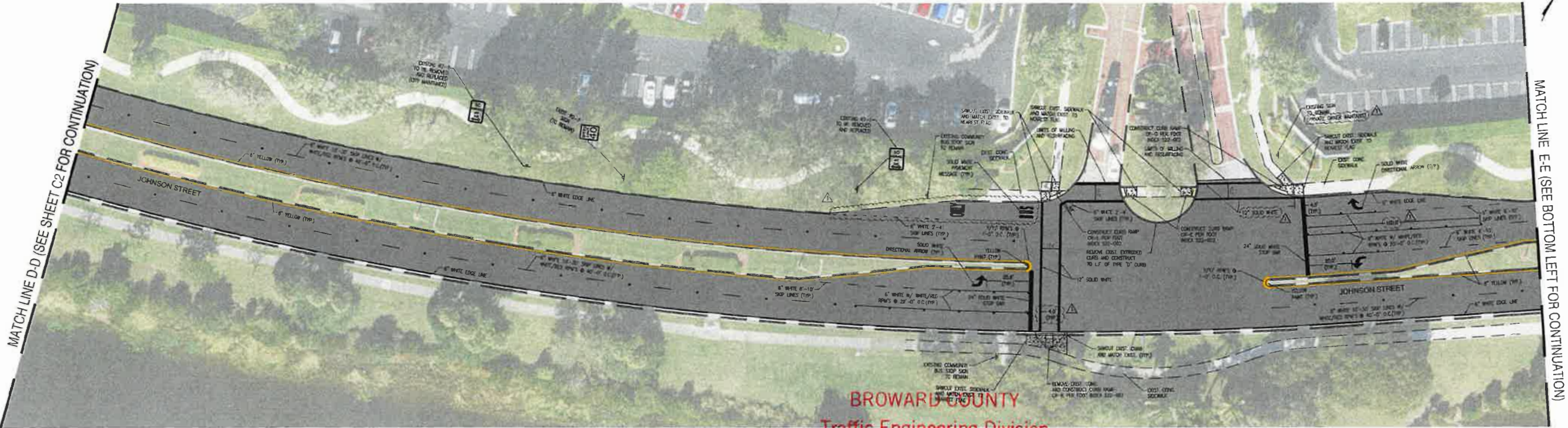
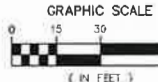
CITY OF PEMBROKE PINES
ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

REVISIONS		DESCRIPTION	
NO.	DATE	BY	

MILLING AND RESURFACING PLAN
JOHNSON STREET - FROM FLAMINGO ROAD TO HIATUS ROAD
PEMBROKE PINES, FLORIDA 33025

SHEET NAME:
C2

SHEET 3 OF 7
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE:
APRIL 2025

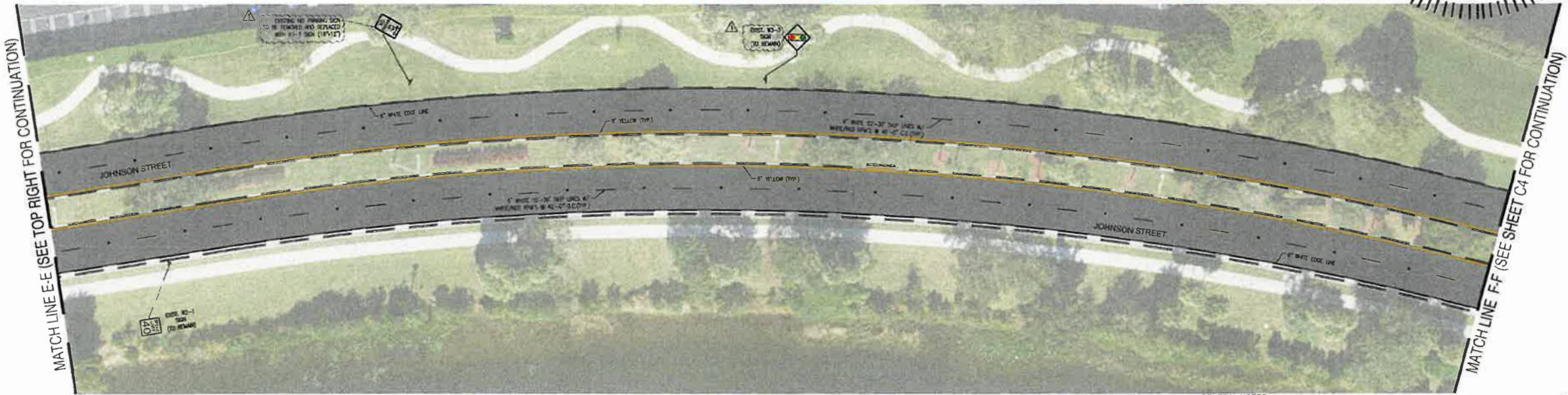
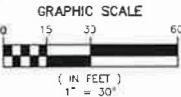


BROWARD COUNTY
Traffic Engineering Division
APPROVED

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Approval Only for Pavement Markings and Signing
Maintained by Broward County Traffic Engineering Division



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CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040



REVISIONS

NO. DATE BY DESCRIPTION

1 04-21-2025 MJO REVISIONS

MILLING AND RESURFACING PLAN

JOHNSON STREET - FROM FLAMINGO ROAD TO HIATUS ROAD
PEMBROKE PINES, FLORIDA 33028

SHEET NAME

C3

SHEET 4 OF 7

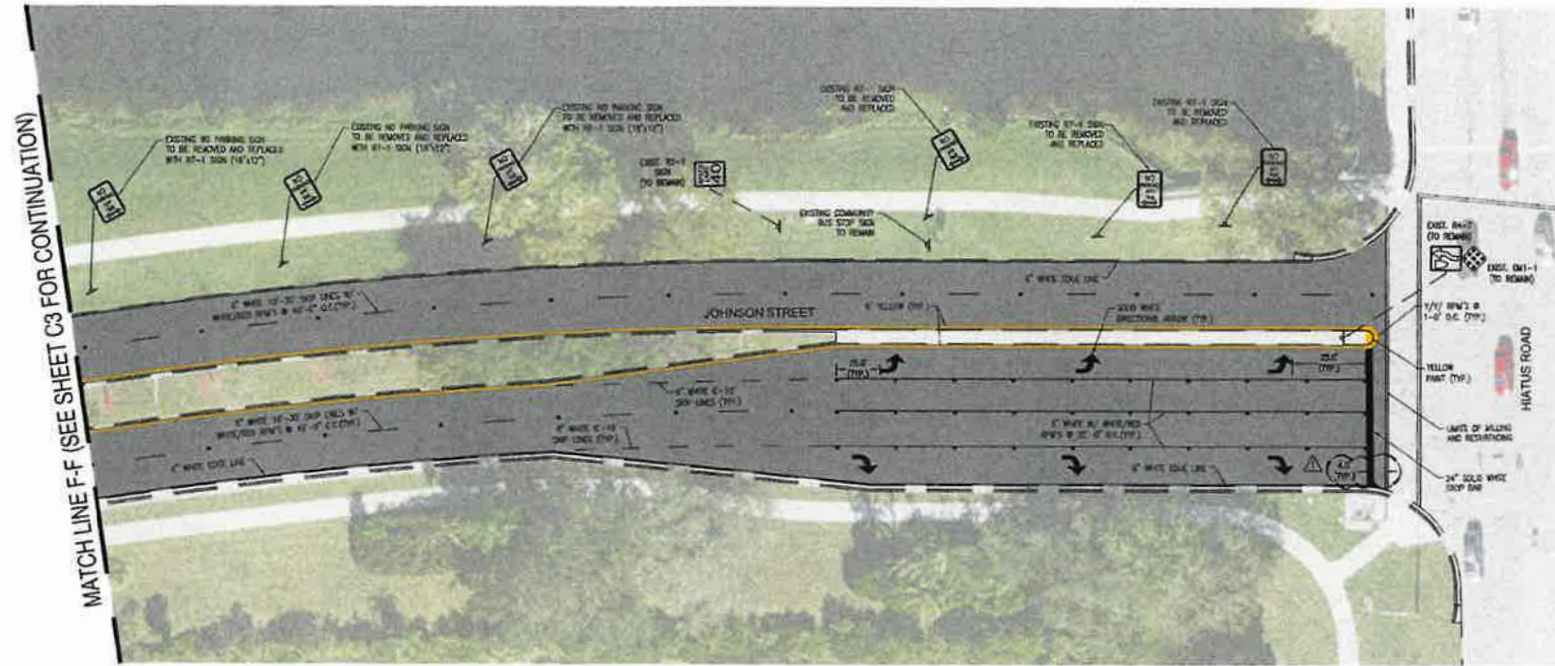
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS

SUBMITTAL DATE:
APRIL 2025

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ft "B-1"

DESIGNED BY M.J.O.	DATE JUNE 2024
DESIGNED BY M.J.O.	SCALE $1'' = 30'$
CHECKED BY: J.L.E.	

CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040



REVISIONS					
NO.	DATE	BY	DESCRIPTION		
		M. J. O.	INVESTIGATED		
		04-21-2025			

MILLING AND RESURFACING PLAN

JOHNSON STREET - FROM FLAMINGO ROAD TO HIATUS ROAD
PEMBROKE PINES, FLORIDA 33028

SHEET NAME:
C4

SHEET. 5 OF 7

CITY OF P.P. PLAN SUBMITTAL:
PERMIT PLANS

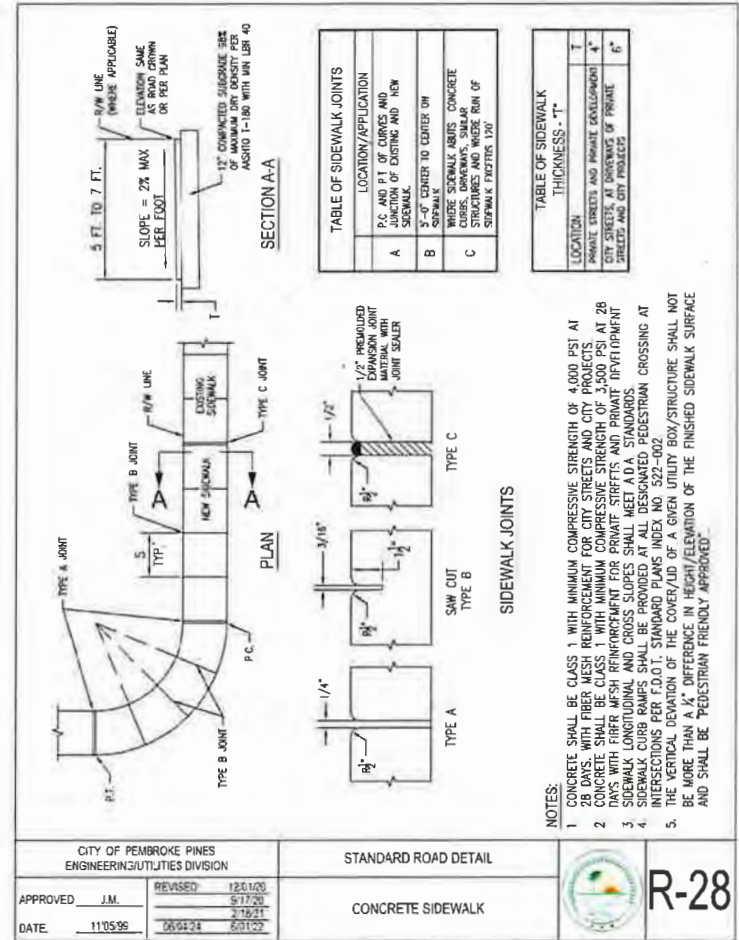
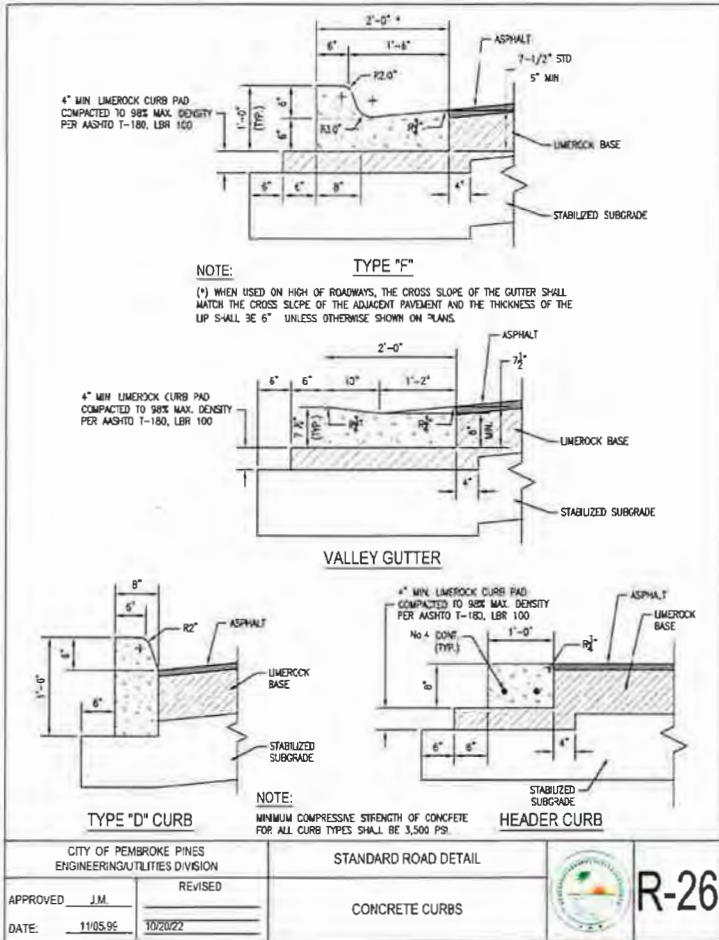
SUBMITTAL DATE:
APRIL 2025

By 12
Date 7/11/2025
Remarks Approval Only for Pavement Markings and Signing
Issued by Broward County Traffic Engineering Division

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NOTES:

1. CONC 28 DA
2. CONC DAYS
3. SIDEW
4. SIDEW INTER
5. THE V BE M

CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, WITH FIBER MESH REINFORCEMENT FOR CITY STREETS AND CITY PROJECTS. CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS, WITH FIBER MESH REINFORCEMENT FOR SIDEWALKS AND SIDEWALK CROSSING. SIDEWALK LONGITUDINAL AND CROSS SLOPES SHALL MEET A.A. STANDARDS. SIDEWALK CURB RAMPES SHALL BE PROVIDED AT ALL DESIGNATED CROSSING. THE CURB RAMPES SHALL BE CONSTRUCTED TO MEET THE MINIMUM SLOPE REQUIREMENTS OF THE CURB RAMP VERTICAL CURB RAMP. THE COVER AND A GREEN UTILITY BOX/STRUCTURE SHALL NOT BE MORE THAN 6" A.K. DIFFERENCE IN HEIGHT/ELEVATION OF THE FINISHED SIDEWALK SURFACE AND SHALL BE "PEDESTRIAN FRIENDLY APPROVED".

TABLE OF SIDEWALK JOINTS	
	LOCATION/APPLICATION
A	P.C. AND P.T. OF CURVES AND JUNCTION OF EXISTING AND NEW SIDEWALK.
B	5'-0" CENTER TO CENTER ON SIDEWALK
C	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, SIMILAR STRUCTURES AND WHERE RUN OF SIDEWALK FLOUTS 120°

TABLE OF SIDEWALK THICKNESS - T*	
LOCATION	T
PRIVATE STREETS AND PRIVATE DEVELOPMENTS	4"
CITY STREETS, AT DISCRETS OF PRIVATE STREETS AND CITY PROJECTS	6"

1/2" PRE-MOLDED EXPANSION JOINT MATERIAL WITH JOINT SEALER

1/2"

3/16"

1 1/2"


SIDEWALK JOINTS

REVISIONS	
DATE	DESCRIPTION
03-28-2020	ADDED ISOMETRIC VIEW
02-08-2021	UPDATED POINT BASE HEIGHT
06-12-2021	UPDATED SIGN PGS* NOTES



PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION	
DESIGNED BY CARMELO CARATOLIZIO P.E.	SCALE: NTS
DRAWN BY STEPHEN RAMGATHAN	
CHECKED BY CARMELO CARATOLIZIO P.E.	

<p align="center">STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS</p>	<p align="center">SHEET NO.</p>
	<p align="center">1 OF 1</p>

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL	 <div style="font-size: 48pt; font-weight: bold; display: inline-block; vertical-align: middle;">R-26</div>
APPROVED: J.M.	REVISED	CONCRETE CURBS	
DATE: 11/05/96	10/20/22		

CITY OF PEMBROKE PINES ENGINEERING/UTILITIES DIVISION		STANDARD ROAD DETAIL		R-28
APPROVED J.M.	REVISED 12/21/20 5/17/20 2/18/21	CONCRETE SIDEWALK		
DATE 11/05/99	06/04/24 5/07/22			

CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

DRAWN BY MJO	DATE JUNE 2024
DESIGNED BY MJO	SCALE N.T.S.
CHECKED BY:	

6:00 PM, 20/02/2017
T.A. BERNINI T. VALLI
TCS

REVISIONS					
	I/O	DATE	BY	DESCRIPTION	
A		04-21-2025	M.J.O.	REVISED PER BACTED	

CITY OF P.P.P. PLAN SUBMITTAL PERMIT PLANS

SUBMITTAL DATE:
APRIL 2025

C5

SHEET 6 OF 7

SHEET NAME

SHEET NAME	C5
SHEET	6 OF 7
CITY OF P.P. PLAN SUBMITTAL PERMIT PLANS	
SUBMITTAL DATE APRIL 2025	

A circular professional engineer seal for John L. England. The outer ring contains the text "JOHN L. ENGLAND" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is a dashed circle containing the word "LICENSE" at the top, "No 48079" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. A blue ink signature is written across the center of the seal, overlapping the license number and the state name.



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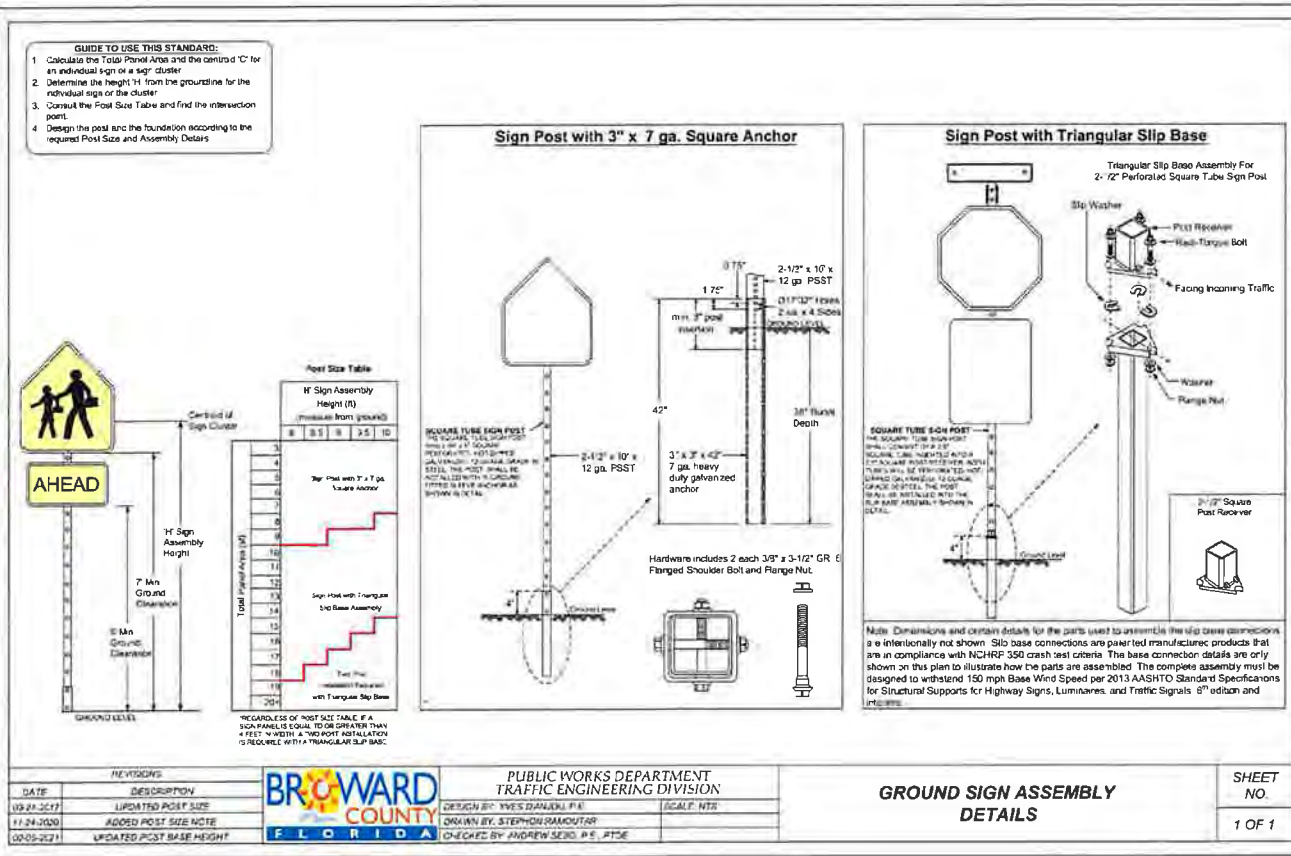
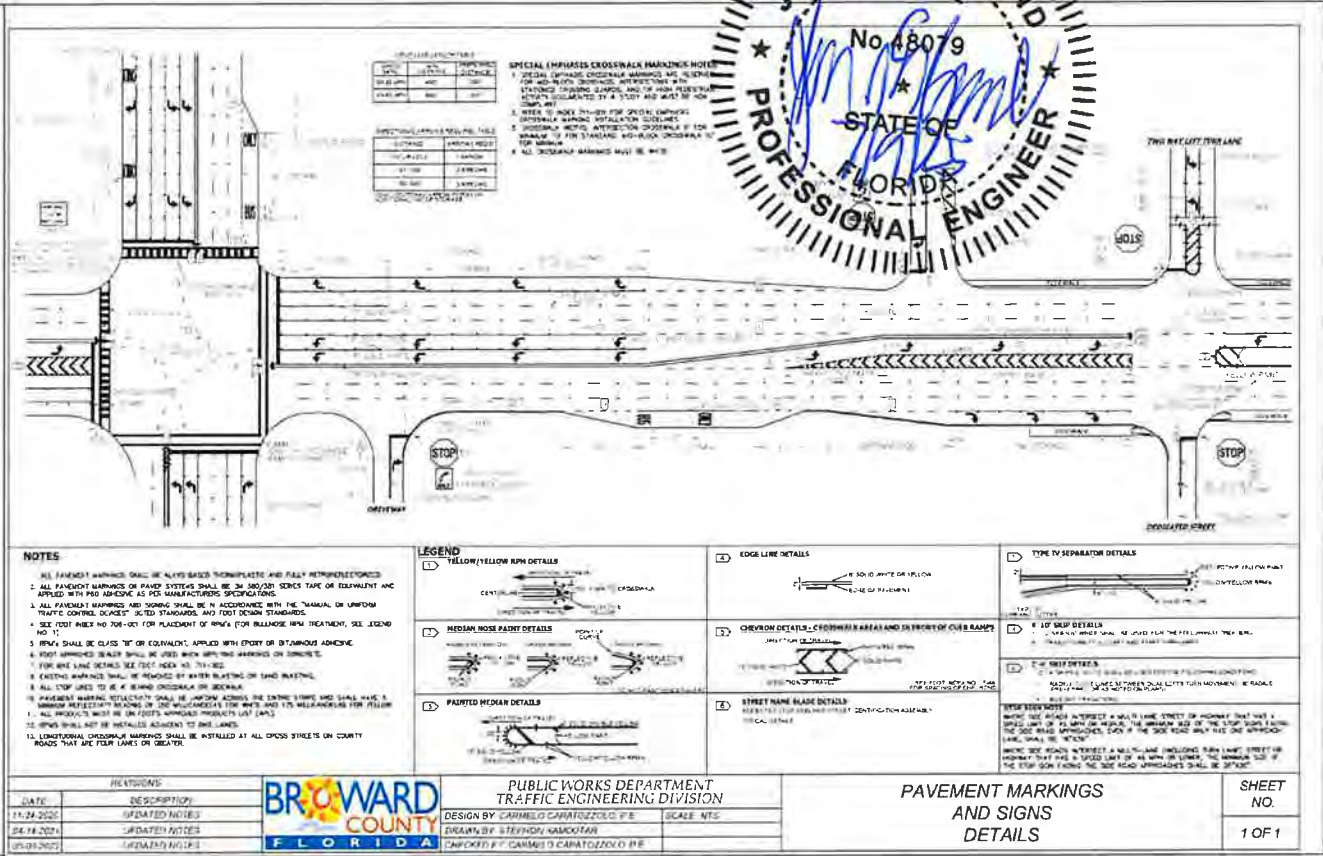
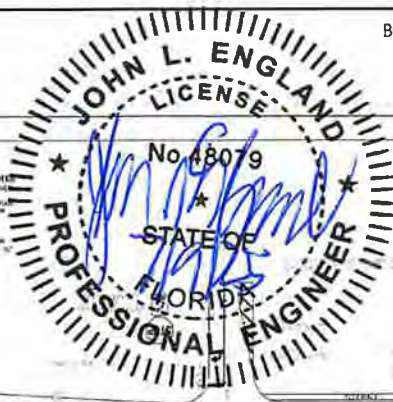
CITY OF PEMBROKE PINES
ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040



REVISIONS		DESCRIPTION	
NO	DATE	BY	DESCRIPTION
1	04-21-2025	M.J.O.	REVISED PER ACTED

PAVEMENT MARKING AND SIGNAGE NOTES AND DETAILS
JOHNSON STREET - FROM FLAMINGO ROAD TO HIATUS ROAD
PEMBROKE PINES, FLORIDA 33028

SHEET NAME
C6
SHEET 7 OF 7
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE
APRIL 2025



REVISIONS	DESCRIPTION	DATE
03-27-2017	ADDED POST SIZE	
11-24-2020	ADDED POST SIZE NOTE	
02-05-2021	UPDATED POST BASE HEIGHT	

DATE	DESCRIPTION	DATE
03-27-2017	ADDED POST SIZE	
11-24-2020	ADDED POST SIZE NOTE	
02-05-2021	UPDATED POST BASE HEIGHT	

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"Communications Notes" (Revised: 10/13/2015)

The agency responsible for maintenance of the traffic signals and related equipment is Broward County Traffic Engineering Division (BCTED). All system communications equipment, cabling and related material shall comply with Broward County's latest edition of the minimum standards as expressed in the "Standards and Specifications - Communication Infrastructure" document. Please refer to BCTED's Communications Policies and Procedures for additional information. Broward County Traffic Engineering Division will not accept any projects that do not meet these standards and specifications. If fiber optic pull boxes already exist at an intersection, no additional fiber optic pull boxes will need to be installed. For a copy of these standards refer to the Broward County web site at www.broward.org/traffic under publications.

If there are Copper Interconnect Cables within your project limits or within 1500 feet of your project limits, contact the Communications Manager at telecommunications@broward.org or 954-847-2745.

If there are Fiber Optic Cables within your project limits or within 1500 feet of your project limits contact the Communications Manager at telecommunications@broward.org or 954-847-2745.

If there are cellular communications within your project limits, contact the Communications Manager at telecommunications@broward.org or 954-847-2745.

All BCTED communications cables/cond. it shall be located a minimum of 48 hours in advance.

Broward County Traffic Engineering Division
Procedure for Notification of Communication Disruption

Copper Interconnect Cable Notification Contact Person
When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Communications Manager at telecommunications@broward.org. Notification shall include contact person, telephone number, purpose, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off peak hours beginning at 9:00am and ending at 3:00pm.

Fiber Optic Cable Notification Contact Person
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Include the following in any notice of utility ownership or within a "Utility Owners/Contact Person" table:

Interconnect Communications Cables - (Robert Blount) Broward County Traffic Engineering Division (BCTED) 954-847-2745

BROWARD COUNTY
PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
2620 W. Commercial Boulevard • Fort Lauderdale, Florida 33309 954-847-2500 • FAX 954-847-2700

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MAINTENANCE OF TRAFFIC - SCHOOL/PEDESTRIAN

The Maintenance of Traffic plan, provided by the Contractor, shall include provisions for pedestrian and/or school student traffic as well as vehicular traffic. The following are minimum requirements:

- The safe walk route for all school students within the vicinity of the construction zone shall be maintained during student arrival and dismissal times. If the current walking surface cannot be maintained, then a temporary walkable surface shall be created. The safe walk route shall be separated from the construction activity during the entire length of the project encompassing the entire walk route with proper pedestrian openings at designated crossings in compliance with FDOT Design Standards Index No. 600 as well as meeting all ADA requirements.
- All construction equipment activity around any designated crosswalk shall cease during the student arrival and dismissal times. All construction equipment activity adjacent to a designated walk route shall cease operating unless satisfactorily baited from the walk route.
- In the case that a designated crossing or any portion of the designated walk route cannot be maintained, the Contractor shall notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2600, at a minimum of ten (10) working days prior to closing that route in order to establish an alternate crossing route.
- It shall be the Contractor's responsibility to install any necessary pavement, road rock, pavement markings and signage and/or any pedestrian signage and/or signal modification to accommodate an existing or alternate safe walk route throughout the entire length of the project.
- It shall be the Contractor's responsibility to provide State Certified School Crossing Guards or Off Duty Police Officers to cross students at all locations other than those previously designated. The Contractor may use Flagmen, but ONLY if they are State Certified as a School Crossing Guard.
- Thirty (30) days prior to the beginning of construction the Contractor shall notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2600 or at browardtraffic.org to discuss all necessary safety measures.
- It shall be the Contractor's responsibility to notify the following Broward County School Board Pupil Transportation Department personnel if construction will impact any bus routes:
 - Ruth Winters (954) 321-4455 Ext. 10-2300
 - Shirley Chambers (954) 321-4440
 - Jarvis H. H. (954) 321-4402
- Upon observation with the aforementioned personnel, and if deemed necessary, a pre-construction meeting will be held to determine all bus routes and to make any necessary arrangements for rerouting. The Special Projects Coordinator from the Broward County Traffic Engineering Division, (954) 847-2600, will be notified and may attend the pre-construction meeting.
- The Contractor shall be responsible for obtaining all approved Maintenance of Traffic Plan (MOT), specifying the above school/pedestrian conditions, through the Broward County Traffic Engineering Division or the Local Municipality, depending on the roadway jurisdiction. The conditions outlined in the MOT are fully effective as part of the proposed improvements. The Contractor shall be responsible for ensuring that all work associated with the project is in compliance with all the requirements of the approved MOT.
- The Contractor shall ensure that there are NO speed limit signs installed within the designated reduced speed school zone at any time throughout the project.





DRAWING INDEX Exhibit "B-2"

APRIL 2025



(N.T.S.)

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REVISIONS

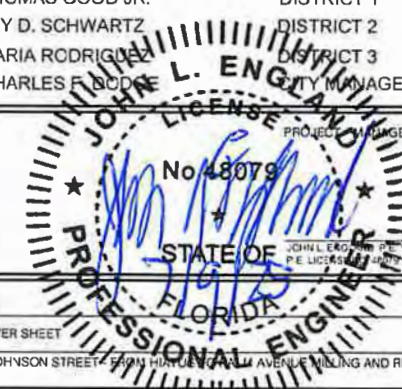
REVISIONS			
NO	DATE	BY	DESCRIPTION
	04/21/2025	M.J.O.	REVISED PER ECTED



8300 SOUTH PALM DRIVE - PEMBROKE PINES, FL 33025 (954) 518-9040

PEMBROKE PINES COMMISSION

ANGELO CASTILLO	MAYOR
MICHAEL A. HERNANDEZ	VICE MAYOR - DISTRICT 4
THOMAS GOOD JR.	DISTRICT 1
JAY D. SCHWARTZ	DISTRICT 2
MARIA RODRIGUEZ	DISTRICT 3
CHARLES E. RIDDLE	CITY MANAGER

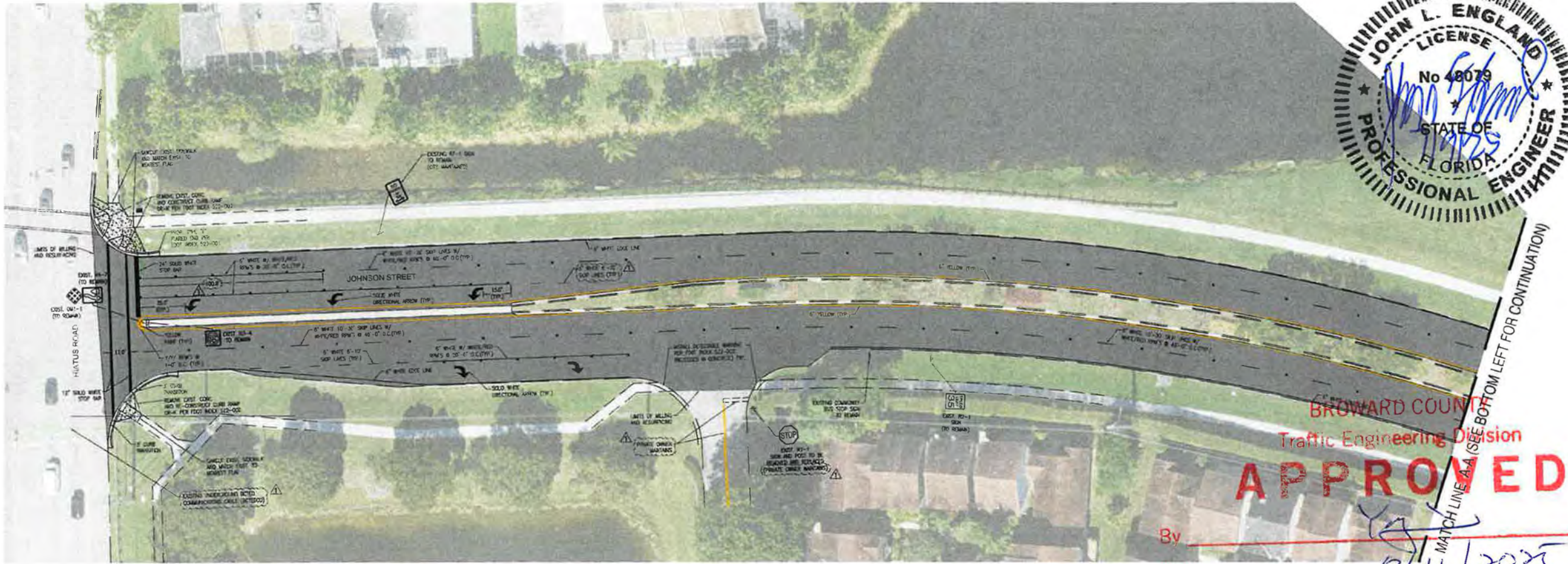


DATE: APRIL 2025

SHEET NAME COVER SHEET

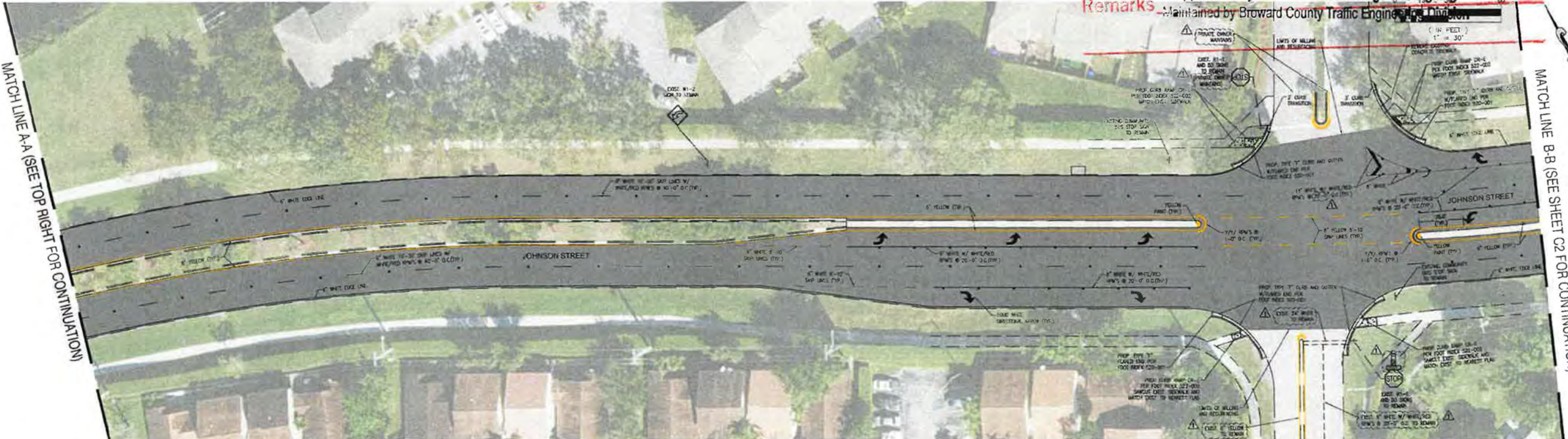
PROJECT TITLE: JOHNSON STREET FROM HIAWATHA ROAD TO AVENUE MINING AND RESURFACING PLANS

PERMIT PLANS



By _____
Date 7/11/2025

Remarks: Approval Only for Pavement Markings and Signage
Maintained by Broward County Traffic Engineering Division



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CITY OF PEMBROKE PINES

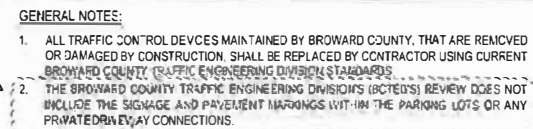
ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

REVISIONS		DESCRIPTION	
NO.	DATE	BY	

MILLING AND RESURFACING PLAN

JOHNSON STREET - FROM HIATUS TO PALM AVENUE
PEMBROKE PINES, FLORIDA 33028

SHEET NAME
C1
SHEET 2 OF 7
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE:
APRIL 2025



REVISIONS			
NO	DATE	BY	DESCRIPTION
1	04-21-2025	M.J.O.	REVISED PER 8C720

MILLING AND RESURFACING PLAN

SHEET NAME: C2

SHEET 3 OF 7

CITY OF P.P. FOR SUBMITTAL
PERMIT PLANS

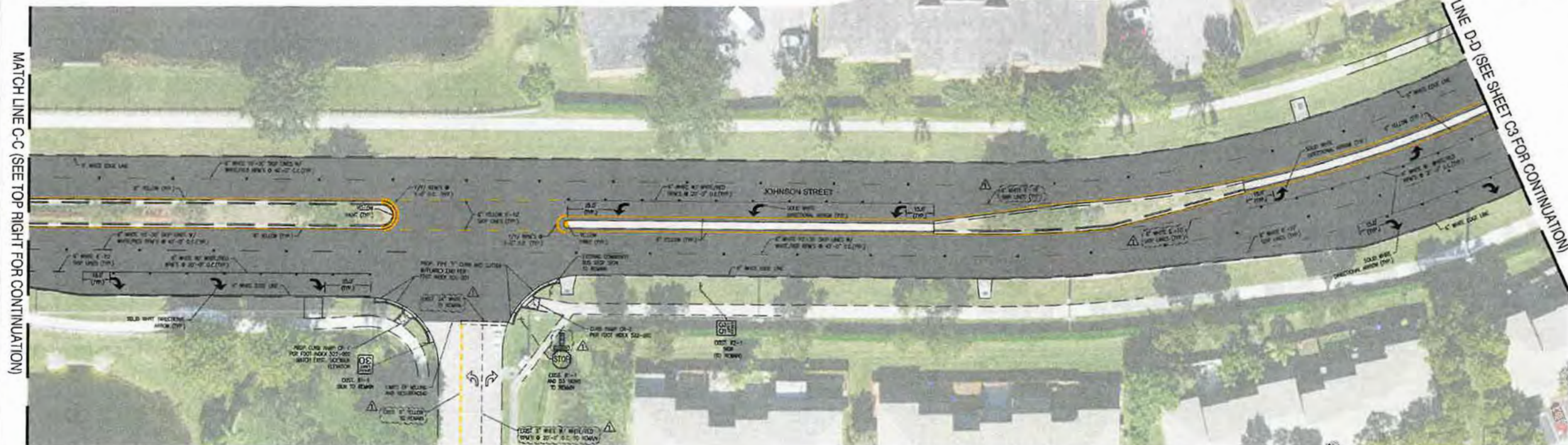
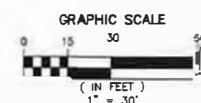
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BROWARD COUNTY
Traffic Engineering Division
APPROVED

Approval Only for Pavement Markings and Signing
Maintained by Broward County Traffic Engineering Division



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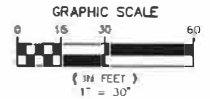
www.callsunshine.com

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3. THE CROSSWALK AT NW 10650 AVENUE AND JOHNSON STREET TO REMAIN OPEN DURING SAFE ROUTES TO SCHOOL HOURS.
4. REFER TO SHEET GC PR SCHOOL PEDESTRIAN MAINTENANCE OF TRAFFIC NOTES,



Remarks ~~Approval Only for Pavement Markings and Signing~~
~~Maintained by Broward County Traffic Engineering Division~~



MATCH LINE F-F (SEE SHEET C4 FOR CONTINUATION)

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33063
TEL: (954) 518-9040



JOHNSON STREET - FROM HIATUS TO PALM AVENUE
PEMBROKE PINES, FLORIDA 33028

SHEET NAME
SHEET
CITY OF P.P.
PERM
SUBM
APP



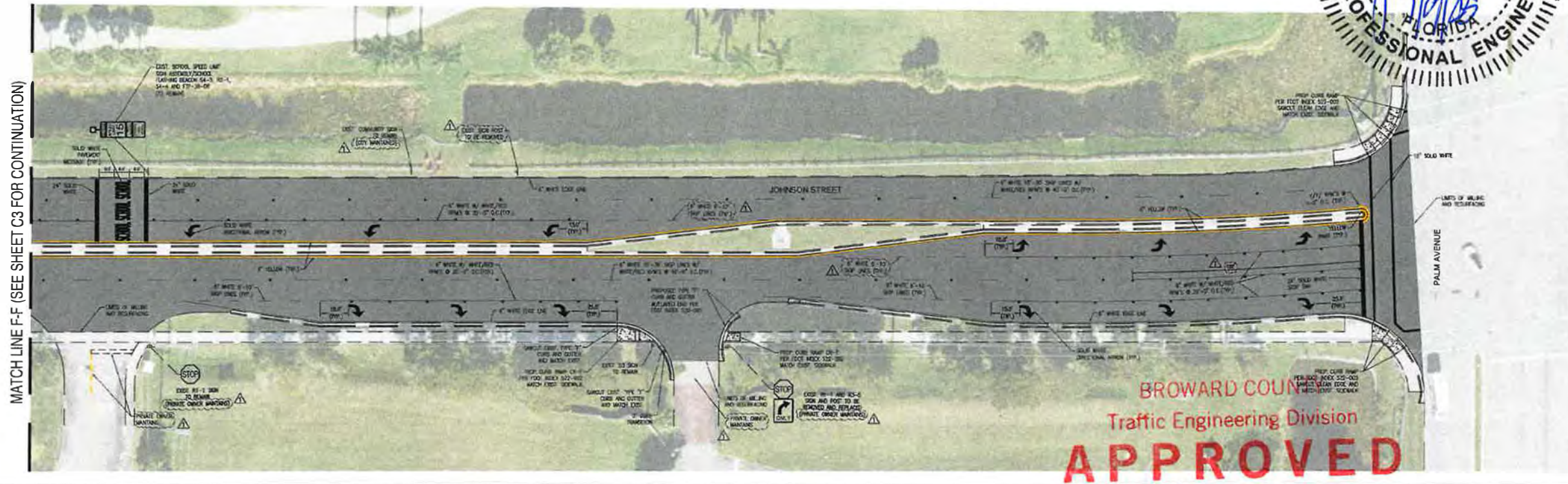
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0 15 30 60

(IN FEET)

1" = 30'



By _____
Date 7/11/2025
Approval Only for Pavement Markings and Signing
Remarks Maintained by Broward County Traffic Engineering Division

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CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

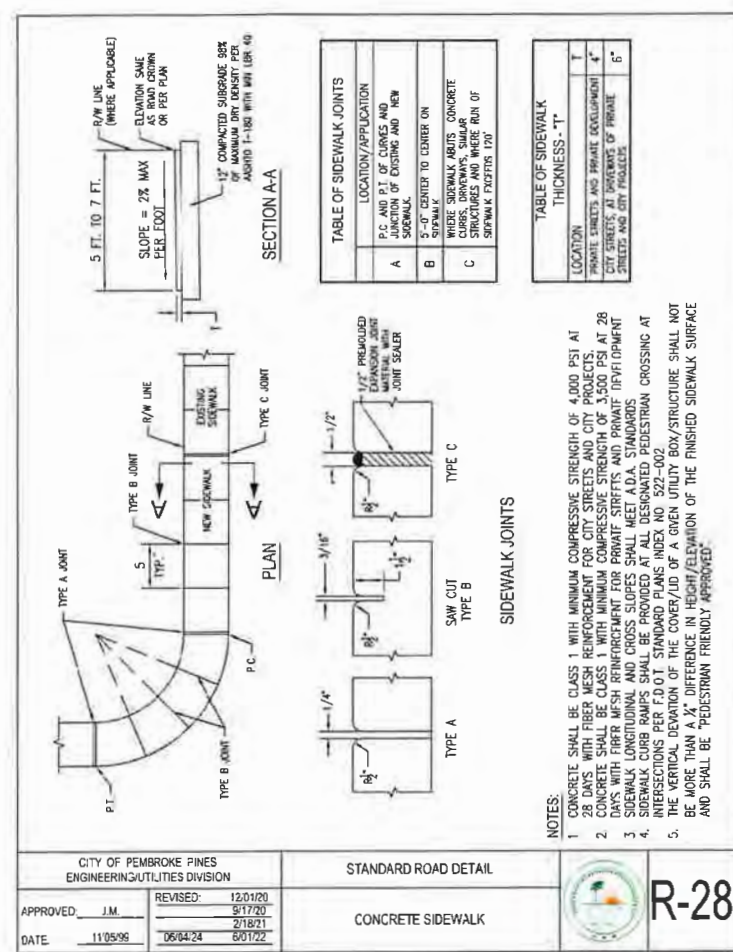
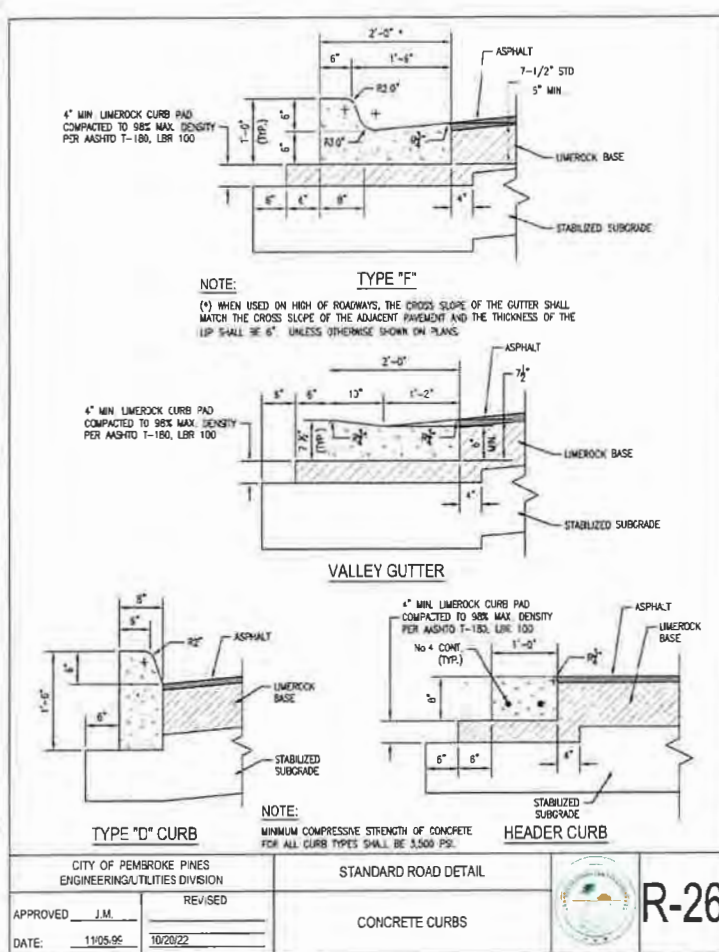
REVISIONS				
NO	DATE	BY	DESCRIPTION	
Δ	04-21-2025	M.J.O.	REVISED PER RCB	

MILLING AND RESURFACING PLAN

JOHNSON STREET - FROM HIATUS TO PALM AVENUE

PEMBROKE PINES, FLORIDA 33028

SHEET NAME	
C4	
SHEET	5 OF 7
CITY OF P.P. PLAN SUBMITTAL PERMIT PLANS	
SUBMITTAL DATE: APRIL 2025	



NOTES:

1. CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
2. CONCRETE SHALL BE CLASS 1 WITH MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS WITH FIBER MESH REINFORCEMENT FOR PRIVATE STREETS AND PRIVATE DEVELOPMENT.
3. SIDEWALK LONGITUDINAL AND CROSS SLOPES SHALL MEET A.I.A. STANDARDS.
4. SIDEWALK CURB RAMPS SHALL BE PROVIDED AT ALL DESIGNATED PEDESTRIAN CROSSING AT INTERSECTIONS PER I.D.O.T. STANDARD PLANS INDEX NO. 5292-002.
5. THE VERTICAL DRAINAGE OF THE CONVEYOR OF A GIVEN UTILITY BOX/STRUCTURE SHALL NOT BE MORE THAN 4" DIFFERENCE IN HEIGHT/ELEVATION OF THE FINISHED SIDEWALK SURFACE FROM THE TOP OF THE UTILITY BOX/STRUCTURE.

CITY OF PEMBROKE PINES

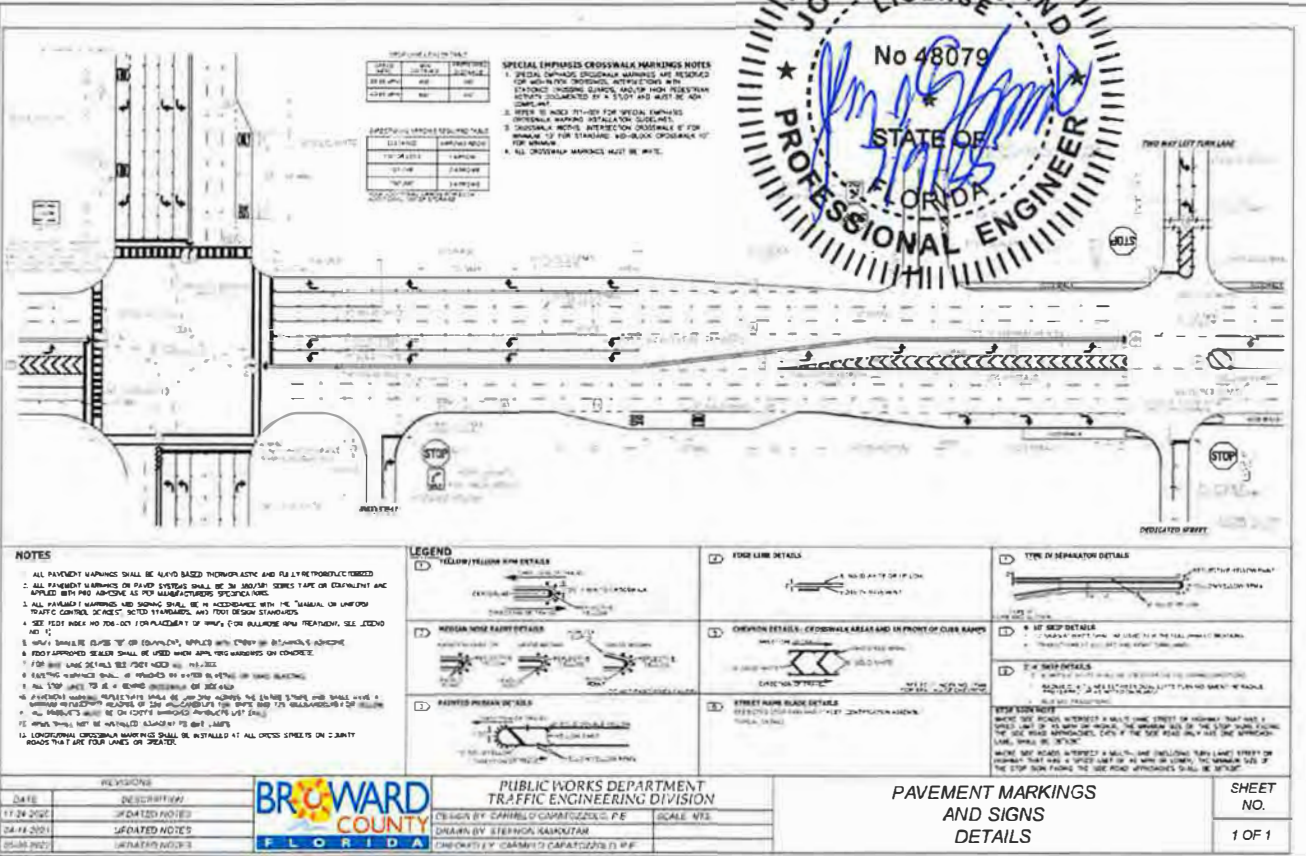
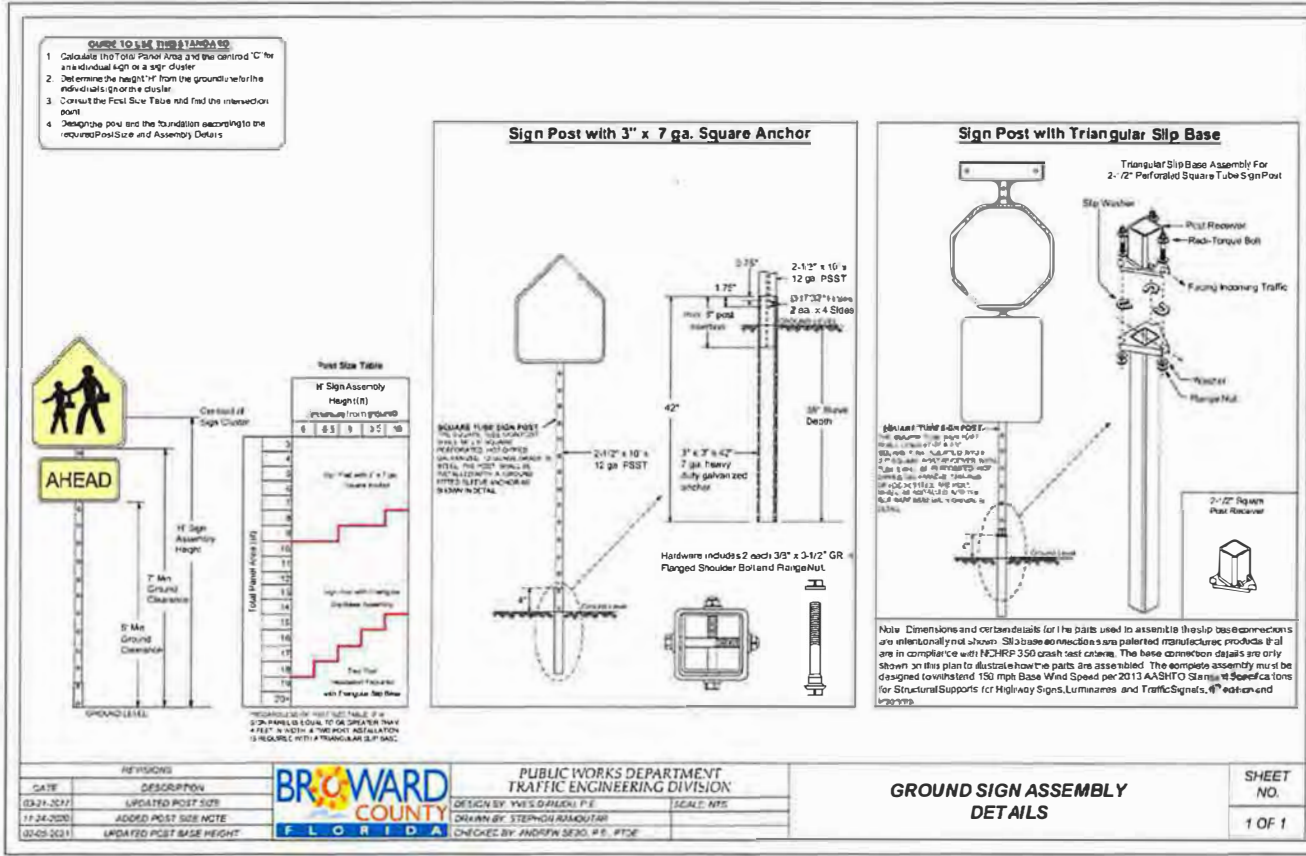
ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL.: (954) 518-9040

[illegible]

JOHNSON STREET - FROM HIATUS TO PALM AVENUE
PEMBROKE PINES, FLORIDA 33028

SHEET NAME
C5
SHEET 6 OF 7
CITY OF P.P. PLAN SUBMITTA
PERMIT PLANS
SUBMITTAL DATE:
APRIL 2025





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GENERAL NOTES:

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2. THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISIONS (BCTEDS) REVIEW DOES NOT INCLUDE THE SIGNAGE AND PAVEMENT MARKINGS WITHIN THE PARKING LOTS OR ANY PRIVATE DRIVEWAY CONNECTIONS.

"Communications Notes" (Revised: 10/13/2011)

The agency responsible for maintenance of the traffic signals and related equipment is Broward County Traffic Engineering Division (BCTED). All system communications equipment, cabling and related material shall comply with Broward County's latest edition of the minimum standards as expressed in the "Standards and Specifications - Communication Infrastructure" document. Please refer to (BCTED's) Communications Policies and Procedures for additional information. Broward County Traffic Engineering Division will not accept any projects that do not meet these standards and specifications. If fiber optic pull boxes already exist at an intersection, no additional fiber optic pull boxes will need to be installed. For a copy of these standards refer to the Broward County web site at www.broward.org/traffic under publications.

If there are Copper Interconnect Cables within your project limits or within 1500 feet of your project limits, contact the Communications Manager at communications@broward.org or 954-847-2745.

If there are Fiber Optic Cables within your project limits or within 1500 feet of your project limits contact the Communications Manager at communications@broward.org or 954-847-2745.

If there are cellular communications within your project limits, contact the Communications Manager at communications@broward.org or 954-847-2745.

All BCTED communications cables/conduit shall be located a minimum of 48 hours in advance.

Broward County Traffic Engineering Division
Procedure for Notification of Communication Disruption

Contractor Interconnect Cable Notification Contact Person
When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Traffic Signal Technician at communications@broward.org. Notification shall include contact person, telephone number, purpose, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off-peak hours beginning at 9:00am and ending at 3:00pm.

Fiber Optic Cable Notification Contact Person
When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Communications Manager at communications@broward.org. Notification shall include contact person, telephone number, purpose, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off-peak hours beginning at 9:00am and ending at 3:00pm.

Include the following in any notice of utility ownership or within a "Utility Owners/Contact Person" table:

Interconnect Communications Cables - (Robert Blount) Broward County Traffic Engineering Division (BCTED) 954-847-2745

BROWARD COUNTY
FLORIDA

PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING DIVISION
2300 W. Commercial Boulevard • Fort Lauderdale, Florida 33309 • 954-847-2500 • FAX 954-847-2702

Our Best
SAFER
Nothing Less

MAINTENANCE OF TRAFFIC - SCHOOL/PEDESTRIAN

The Maintenance of Traffic plan, provided by the Contractor, shall include provisions for pedestrian and/or school student traffic as well as vehicular traffic. The following are minimum requirements:

1. The set to work roads for all school students within the vicinity of the construction zone shall be maintained during student arrival and dismissal times. If the current walking surface cannot be maintained, then a temporary walking surface shall be established. The set to work roads shall be established prior to the construction activity during the entire length of the project encompassing the entire work area with proper pedestrian signage at designated crossings in compliance with FDOT Design Standards Index No. 600 as well as meeting all ADA requirements.
2. All construction equipment activity around any designated crosswalk shall cease to operate during the student arrival and dismissal times. All construction equipment activity adjacent to a designated walk route shall cease operating unless satisfactorily barricaded from the walk route.
3. In the case that a designated crossing or any portion of the designated walk route cannot be maintained, the Contractor shall notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2400, a minimum of 2 (two) working days prior to closing that route in order to establish an alternate crossing route.
4. It shall be the Contractor's responsibility to install any necessary temporary road rock, pavement markings and signage and/or any pedestrian signage and/or signal modifications to accommodate an existing or alternate walk route throughout the entire length of the project.
5. It shall be the Contractor's responsibility to provide State Certified School Crossing Guards or Off Duty Police Officers to cross students at all locations other than those previously designated. The Contractor may use Flagmen, but ONLY if they are State Certified as a School Crossing Guard.
6. The Contractor shall be responsible for notifying the Contractor that shall notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2400 or at communications@broward.org to discuss all necessary safety measures.
7. It shall be the Contractor's responsibility to notify the following Broward County School Board Pupil Transportation Department personnel if construction will impact any bus routes:
 - Brian Masters, Rolling (754) 321-4403 Ext. # 2308
 - Sherry Chambers, Student Transportation & Fleet Service (754) 321-4440
 - Jennifer Hunter, Student Transportation & Fleet Service (754) 321-4432
8. Upon coordination with the aforementioned personnel, and if deemed necessary, a pre-construction meeting will be held to determine all bus routes and to make any necessary arrangements for rerouting. The Special Projects Coordinator from the Broward County Traffic Engineering Division, (954) 847-2600, will be invited and may attend the pre-construction meeting.
9. The Contractor shall be responsible for obtaining an approved Maintenance of Traffic Plan (MOT), specifying the above steps/procedures/detour points, through the Broward County Traffic Engineering Division or the Local Municipality, depending on the roadway jurisdiction. The MOT is only effective as part of the proposed re-operations. The Contractor shall be responsible for ensuring that all work associated with the project is in compliance with all the requirements of the approved MOT.
10. The Contractor shall ensure that there are NO speed limit signs installed within the designated reduced speed school zone at any time throughout the project.

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MEETING AND FULLY REFLECTORIZED IN ACCORDANCE WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) STANDARDS. REFER TO THE BCTED PAVEMENT MARKINGS AND SIGNAGE INSTALLATIONS AS SHOWN ON THE PLANS AND ASSOCIATED WITH THE STREETS/ROADS RESURFACING PROJECT.
2. ALL EXISTING MEDIANS WITHIN THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED ON THE PLANS SHALL BE PAINTED YELLOW IN ACCORDANCE WITH THE "MEDIAN NOSE PAINT DETAILS" AS REFLECTED ON THE BCTED PAVEMENT MARKINGS AND SIGNS DETAILS SHEET.
3. ALL EXISTING PAVEMENT MARKINGS AND SIGNAGE OUTSIDE THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED TO REMAIN ON THE PLANS THAT IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND PER THE LATEST BCTED STANDARDS.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS (RPMs) THEIR INSTALLATION/APPLICATION SHALL BE IN ACCORDANCE WITH BCTED STANDARDS. PLACEMENT/LOCATION OF RPMs SHALL COMPLY WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "DESIGN STANDARDS" INDEX NO. 7352 AND THE BCTED STANDARD DETAIL FOR "BULLNOSE" RPM TREATMENTS.
5. ALL PAVEMENT MARKINGS AND SIGNAGE MATERIALS/PRODUCTS MUST BE ON THE FDOT'S APPROVED PRODUCT LIST (APL).
6. ADDITIONAL RPMs AS FOLLOWS AND/OR AS OTHERWISE DIRECTED BY THE CITY'S FIELD REPRESENTATIVE SHALL BE INSTALLED IN THE CENTER OF THE NEAREST ADJACENT TRAVEL LANE OF THE STREET/ROAD IN ACCORDANCE WITH THE CITY OF PEMBROKE PINES TYPICAL STANDARDS/REQUIREMENTS FOR EXISTING CITY OWNED AND MAINTAINED WATER AND SEWER SYSTEMS APPEARANCES:
 - FIRE HYDRANT - BLUE RPM
 - WATER VALVE OUTSIDE OF PAVEMENT - WHITE RPM
 - SEWER MANHOLE OUTSIDE PAVEMENT - ORANGE RPM
 - FORCE MAIN VALVE OUTSIDE PAVEMENT - GREEN RPM
7. ALL EXISTING MEDIANS WITHIN THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED ON THE PLANS SHALL BE PAINTED YELLOW IN ACCORDANCE WITH THE "MEDIAN NOSE PAINT DETAILS" AS REFLECTED ON THE BCTED PAVEMENT MARKINGS AND SIGNS DETAILS SHEET.
8. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PAVEMENT MARKINGS THE SAME DAY OF A COMPLETION OF THE REPAVING OF A GIVEN SECTION OF THE OVERALL STREETS/ROADS RESURFACING PROJECT. TEMPORARY PAVEMENT MARKINGS SHALL BE REFLECTORIZED PAINT MEETING BCTED STANDARDS.
9. STREET/ROAD AREAS DESIGNATED ON THE PLAN BY WAY OF "LEGEND" AS REQUIRED A "HOT PATCH" (PAVEMENT REPAIR) SHALL BE FIELD VERIFIED AS PART OF THE BID TO DETERMINE/ESTABLISH THE EXTENT AND NATURE OF THE REQUIRED "HOT PATCH", INCLUDING ANY REQUIRED ROCK BASE WORK AND RECOMPACTION.
10. CONTRACTOR SHALL PROVIDE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS FOR CITY OF PEMBROKE PINES AND BCTED APPROVAL. MOT PLANS FOR ALL REQUIRED PROPOSED LANE CLOSURES MUST BE APPROVED BY THE CITY OF PEMBROKE PINES AND BCTED. CONTRACTOR SHALL ALLOW APPROXIMATELY TWO (2) TO THREE (3) WEEKS FOR BCTED PROCESSING OF APPROVAL OF THE MOT PLANS.
11. THE FOLLOWING FIELD INSPECTIONS OF THE STREETS/ROADS REPAVING AND PAVEMENT MARKINGS/AND SIGNAGE INSTALLATIONS SHALL BE REQUIRED AND CORRECTION OF ALL NOTED PUNCH LIST ITEMS/WORK DEFICIENCIES MUST BE INCLUDED IN THE CONTRACTORS BID:
 - CITY'S INITIAL PUNCH LIST INSPECTION CONTRACTOR MUST ADDRESS ALL PUNCH LIST ITEMS
 - CITY'S PUNCH LIST COMPLETION VERIFICATION INSPECTION CONTRACTOR MUST ADDRESS ANY STILL PENDING PUNCH LIST ITEMS PRIOR TO THE CITY'S CERTIFICATION OF COMPLETION OF CONSTRUCTION. SUBMITTAL TO BCTED AND REQUEST FOR BCTED INSPECTION. RETAINAGE IN THE AMOUNT OF 20% OF THE OVERALL COST OF THE STREETS/ROADS RESURFACING PROJECT SHALL BE WITHHELD UNTIL THE CITY'S RECEIPT OF THE BCTED APPROVAL OF ALL PAVEMENT MARKINGS AND ANY APPLICABLE SIGNAGE INSTALLATION.
12. THE ABOVE "NOTES" ARE TYPICAL FOR ALL PLAN SHEETS AND APPLY TO THE OVERALL SCOPE OF WORK FOR THE STREETS/ROADS RESURFACING PROJECT AS NOTED ON THE PLANS.

811
ALWAYS CALL 811 BEFORE YOU DIG
It's Not a Rule, It's the Law
www.callsunshine.com

CITY OF PEMBROKE PINES

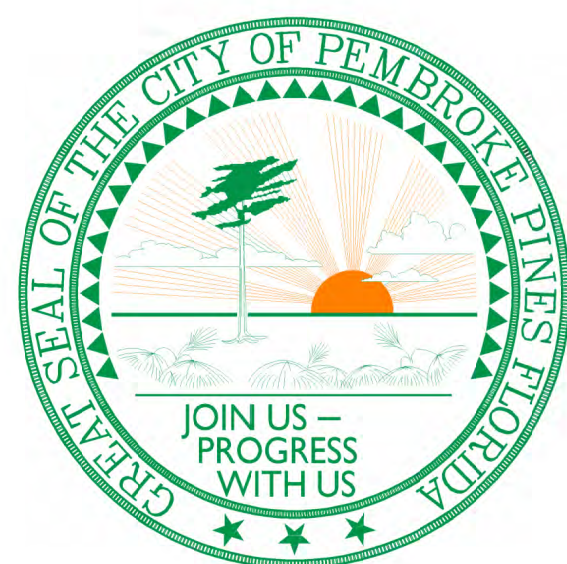
ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

REVISIONS		DESCRIPTION
NO.	DATE	BY
1	04-21-2025	M.J.O.

PAVEMENT MARKING AND SIGNAGE NOTES AND DETAILS

JOHNSON STREET - FROM HIATUS TO PALM AVENUE
PEMBROKE PINES, FLORIDA 33028

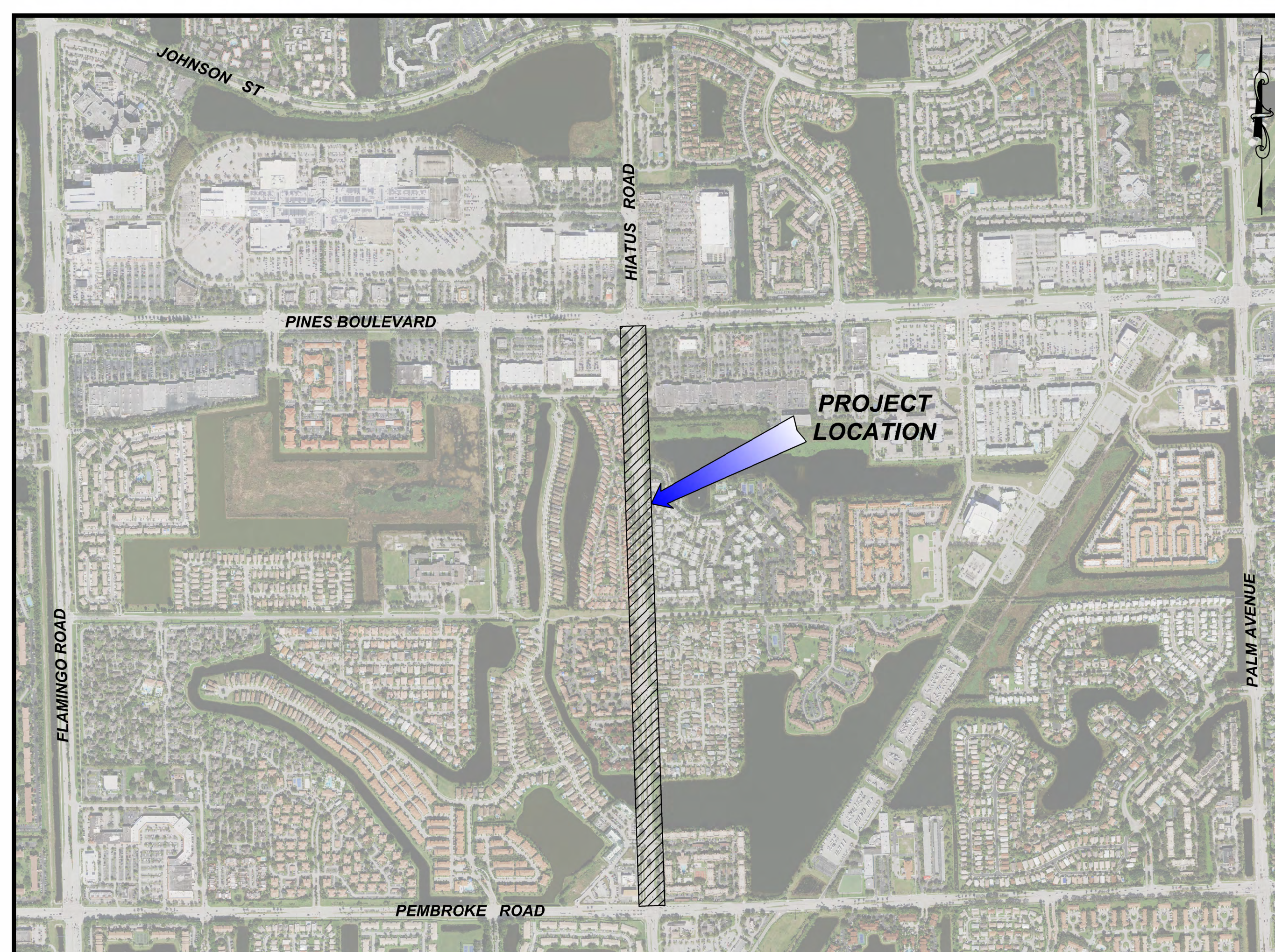
SHEET NAME
C6
SHEET 7 OF 7
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE
APRIL 2025



CITY OF PEMBROKE PINES HIATUS ROAD MILLING AND RESURFACING PLANS FROM PINES BLVD TO PEMBROKE ROAD

PEMBROKE PINES, FLORIDA 33026

AUGUST 2025



LOCATION MAP

(N.T.S.)

GENERAL NOTE:

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4. THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S SUBJECT'S REVIEW DOES NOT INCLUDE THE SIGNAGE AND PAVEMENT MARKINGS WITHIN THE PARKING LOTS OF ANY PRIVATE DRIVEWAYS CONNECTION.

DRAWING INDEX

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REVISIONS

[illegible]

CITY OF PEMBROKE PINES
ENGINEERING DIVISION

8300 SOUTH PALM DRIVE - PEMBROKE PINES, FL 33025 (954) 518-9040

PEMBROKE PINES COMMISSION

ANGELO CASTILLO	MAYOR
MICHAEL A. HERNANDEZ	VICE MAYOR - DISTRICT 4
THOMAS GOOD JR.	DISTRICT 1
JAY D. SCHWARTZ	DISTRICT 2
MARIA RODRIGUEZ	DISTRICT 3
CHARLES F. DODGE	CITY MANAGER

PROJECT MANAGER:

JOHN L. ENGLAND, P.E.
P.E. LICENSE NO. 48079

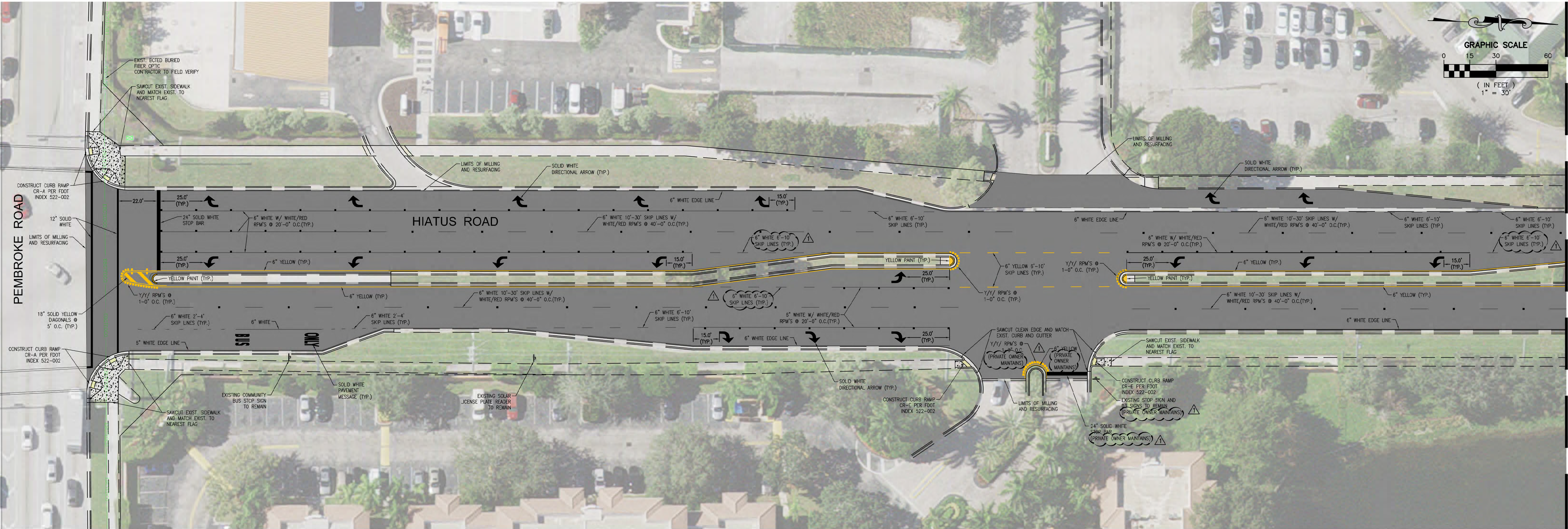
DATE: AUGUST 2025

SHEET NAME: COVER SHEET

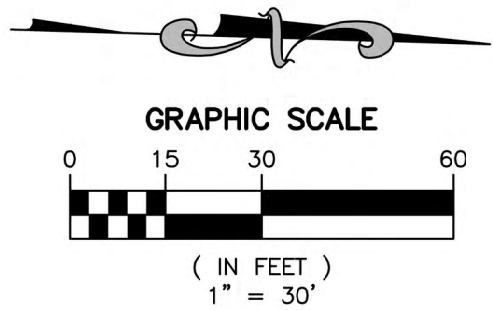
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PERMIT PLANS

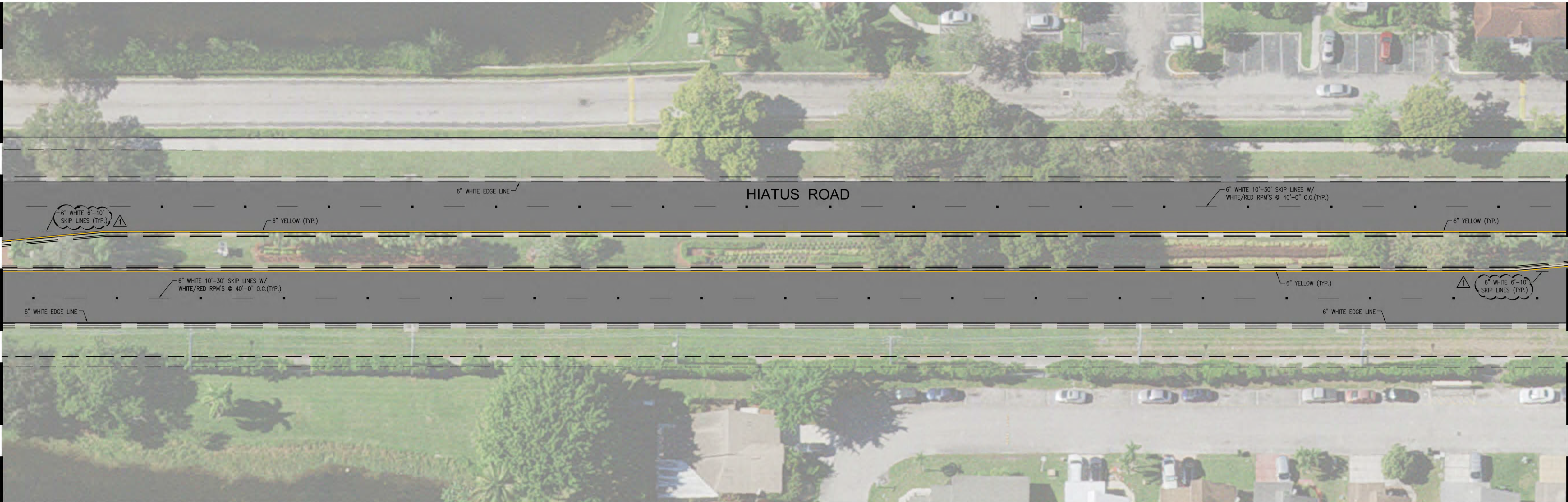
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MATCH LINE A-A (SEE BOTTOM LEFT FOR CONTINUATION)



MATCH LINE A-A (SEE TOP RIGHT FOR CONTINUATION)



MATCH LINE B-B (SEE SHEET C2 FOR CONTINUATION)

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4. THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S (BCTED'S) REVIEW DOES NOT INCLUDE THE SIGNAGE AND PAVEMENT MARKINGS WITHIN THE PARKING LOTS OR ANY PRIVATE DRIVEWAYS CONNECTION.

GENERAL NOTE:

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MILLING AND RESURFACING PLAN

HIATUS ROAD - FROM PINES BLVD. TO PEMBROKE ROAD
PEMBROKE PINES, FLORIDA 33026

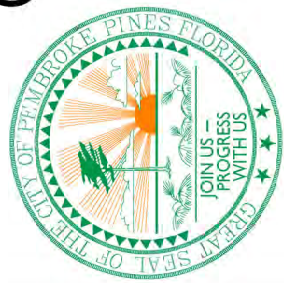
SHEET NAME:

C1

SHEET: 2 OF 6
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE:
AUGUST 2025

REVISIONS		DESCRIPTION	
NO.	DATE	BY	

CITY OF PEMBROKE PINES



ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

DRAWN BY:
M.J.O.

DESIGNED BY:
M.J.O.

CHECKED BY:
J.L.E.

DATE:
JAN. 2025

SCALE:
1" = 30'

SEAL

DATE

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 9879

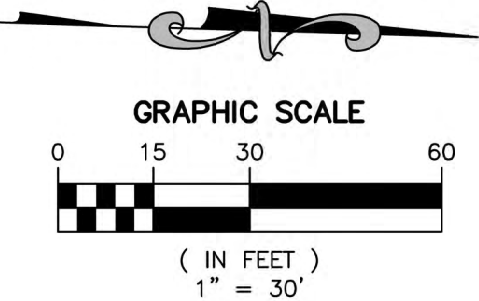
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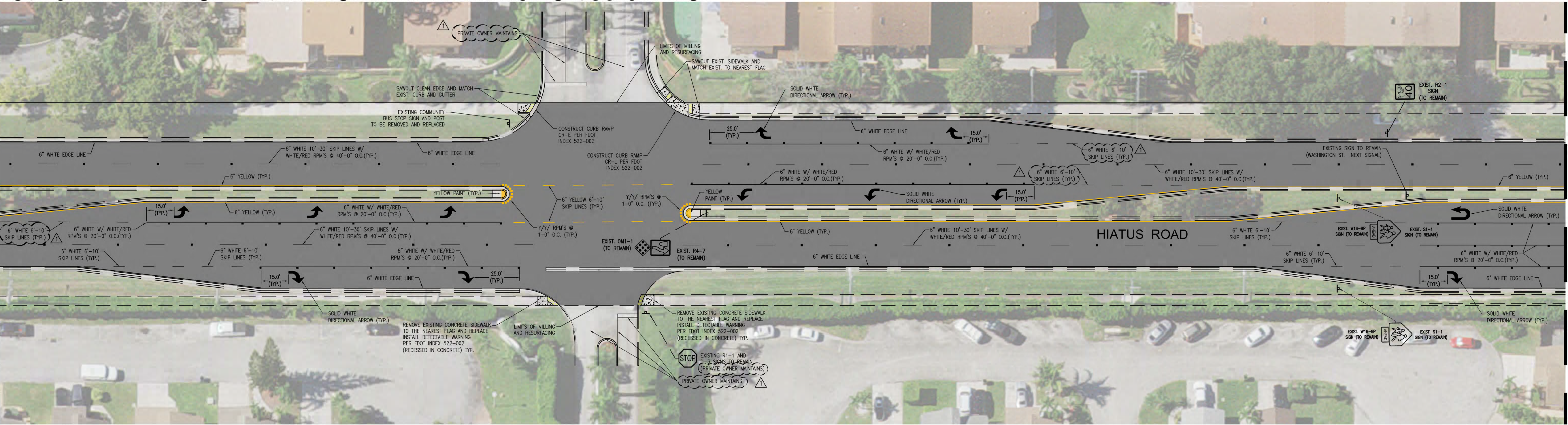
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BCTED REF. No.250313064

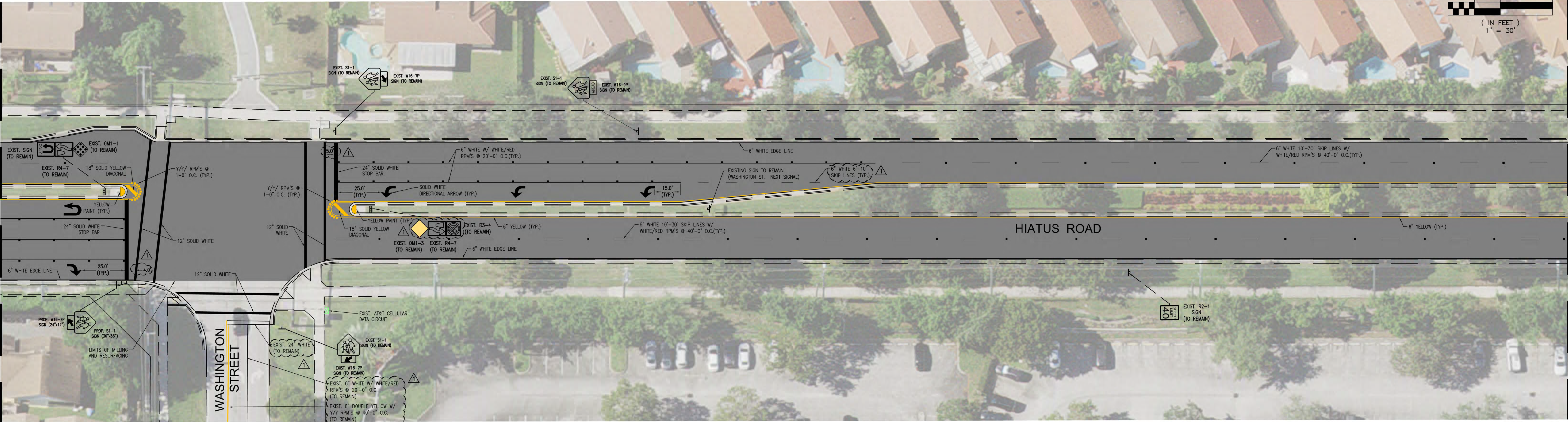


MATCH LINE B-B (SEE SHEET C1 FOR CONTINUATION)



MATCH LINE C-C (SEE SHEET BOTTOM LEFT FOR CONTINUATION)

MATCH LINE C-C (SEE SHEET TOP RIGHT FOR CONTINUATION)



MATCH LINE D-D (SEE SHEET C3 FOR CONTINUATION)

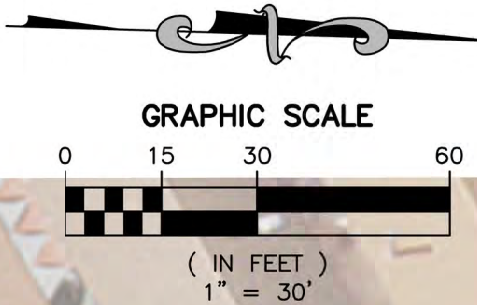


Exhibit "B-3"

DATE: JAN. 2025
SCALE: 1" = 30'

DATE: 09-02-2025
M.J.O. REVISED PER BCTED

CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040

REVISIONS	
NO.	DESCRIPTION

MILLING AND RESURFACING PLAN

HIATUS ROAD - FROM PINES BLVD. TO PEMBROKE ROAD
PEMBROKE PINES, FLORIDA 33026

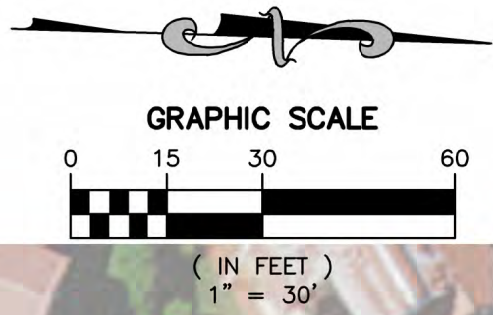
SHEET NAME: C2

SHEET: 3 OF 6
CITY OF P.P. PLAN SUBMITTAL
PERMIT PLANS
SUBMITTAL DATE: AUGUST 2025

THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

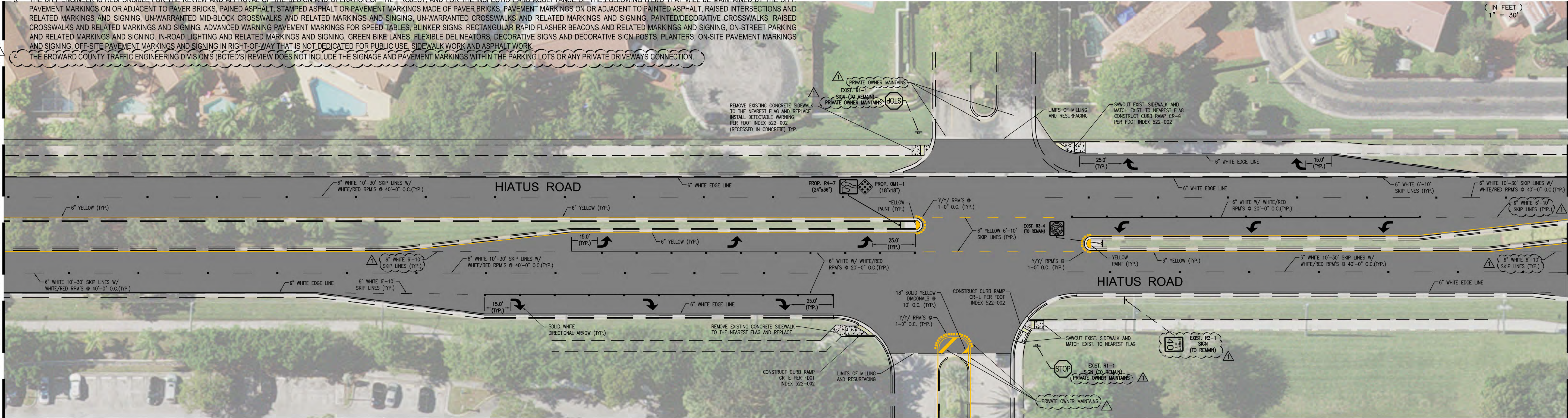
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BCTED REF. No.250313064

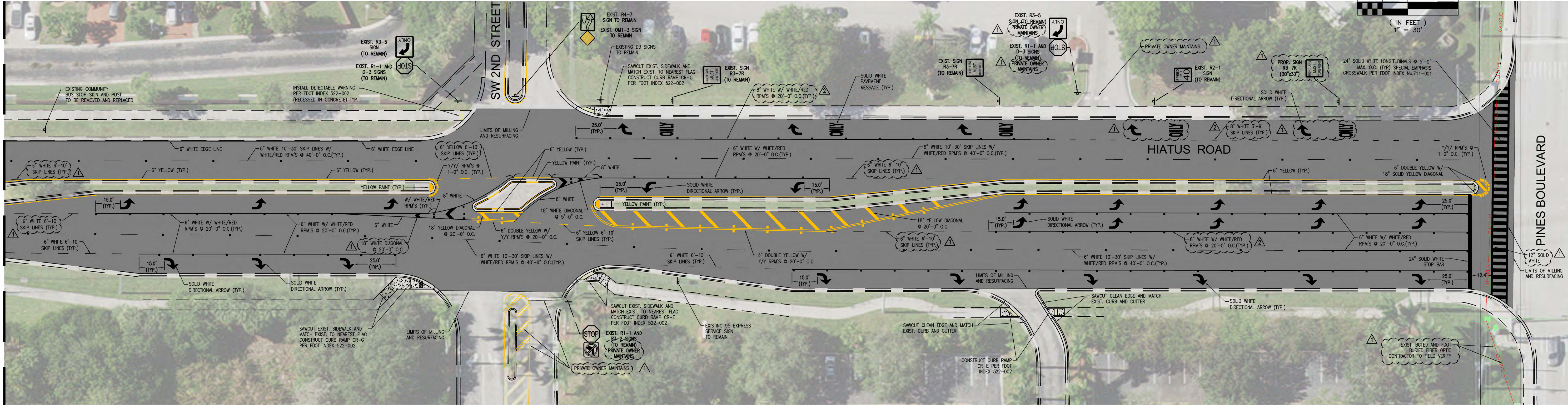


MATCH LINE D-D (SEE SHEET C2 FOR CONTINUATION)

MATCH LINE E-E (SEE BOTTOM LEFT FOR CONTINUATION)



MATCH LINE E-E (SEE TOP RIGHT FOR CONTINUATION)



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CITY OF PEMBROKE PINES

ENGINEERING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
TEL: (954) 518-9040



REVISIONS			DESCRIPTION
NO.	DATE	BY	

MILLING AND RESURFACING PLAN

HIATUS ROAD - FROM PINES BLVD. TO PEMBROKE ROAD
PEMBROKE PINES, FLORIDA 33026

SHEET NAME:		
C3		
SHEET:	4	OF 6
CITY OF P.P. PLAN SUBMITTAL:		
PERMIT PLANS		
SUBMITTAL DATE:		
AUGUST 2025		

DRAWN BY:	DATE:	SCALE:	1" = 30'
	M.J.O.		
DESIGNED BY:	M.J.O.	CHECKED BY:	J.L.E.

SEAL	DATE

BCTED REF. No.250313064

FOR SIGN ASSEMBLIES WITH MAXIMUM 8.75 SQUARE FOOT PANEL AREA

Typical Details

STREET ID (D3-1)

Isometric View

2-CROSS STREET BLADES

THE ENDS OF THE STREET ID SIGNS MUST BE BOLTED TOGETHER

BOLTS - #16 HEX HEAD STAINLESS STEEL 5/16" x 3/4"

NUTS - 5/16" HEX HEAD STAINLESS STEEL W/ 35NYLON WASHERS

SQUARE TUBE SIGN POST

The Square Tube Sign Post shall be 2.5" square, perforated, hot-dipped galvanized, 12-gauge, grade 50 steel. The post shall be installed with an ground fitted sleeve anchor as shown in detail "A" below

DETAIL "A"

2-1/4" Square Tube Insert

2-1/2" x 10/12" x 12ga. PSST

1.75"

min. 3" post insertion

42"

3" x 3" x 42"

7 ga. heavy duty galvanized anchor

Hardware includes 2 each 3/8" x 3-1/2" GR. 8 Flanged Shoulder Bolt and Flange Nut

38" Burial Depth

FOR SIGN ASSEMBLIES WITH GREATER THAN 8.75 SQUARE FOOT PANEL AREA WITH SUPPLEMENTAL SIGN

Typical Details

STREET ID (D3-4)

Isometric View

2-CROSS STREET BLADES

THE ENDS OF THE STREET ID SIGNS MUST BE BOLTED TOGETHER

BOLTS - #16 HEX HEAD STAINLESS STEEL 5/16" x 3/4"

NUTS - 5/16" HEX HEAD STAINLESS STEEL W/ 35NYLON WASHERS

SQUARE TUBE SIGN POST

The Square Tube Sign Post shall be 2.5" square, perforated, hot-dipped galvanized, 12-gauge, grade 50 steel. The post shall be installed with an ground fitted sleeve anchor as shown in detail "A" below

DETAIL "A"

2-1/4" Square Tube Insert

2-1/2" x 10/12" x 12ga. PSST

1.75"

min. 3" post insertion

42"

3" x 3" x 42"

7 ga. heavy duty galvanized anchor

Hardware includes 2 each 3/8" x 3-1/2" GR. 8 Flanged Shoulder Bolt and Flange Nut

38" Burial Depth

STREET ID (D3-4) MATERIALS:

LETTERS

WHITE TYPE XI SHEETING

LETTERING OF STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWCASE LETTERS WITH INITIAL UPPERCASE LETTERS

BORDER

BORDER WIDTHS WILL VARY BASED ON LETTER HEIGHTS

LETTER HEIGHTS - BORDER WIDTHS

4 INCH LETTER = 3.375 INCH BORDER WIDTH

6 INCH LETTER = 5.000 INCH BORDER WIDTH

8 INCH LETTER = 6.750 INCH BORDER WIDTH

GREEN BACKGROUNDS

GREEN TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT

LETTER SIZES

SEE MUTED TABLE D0-2 (PG 18)

FOR MINIMUM LETTER HEIGHTS

LENGTH VARIES BY STREET NAME

HARDWARE

BOLTS - #16 HEX HEAD STAINLESS STEEL 5/16" x 3/4"

NUTS - 5/16" STAINLESS STEEL W/ NYLON WASHERS

REGULATORY SIGN

WHEN A STREET ID IS PRESENT THE STOP SIGN SHALL BE MOUNTED FLUSH TO THE TOP OF THE POST WHILE MAINTAINING 7 FEET MIN. CLEARANCE BETWEEN BOTTOM OF SIGN AND GROUND LEVEL ANY SIGN INSTALLED BACK TO BACK WITH THE STOP SIGN SHALL BE SMALLER THAN THE STOP SIGN

STOP, DO NOT ENTER OR YIELD

WHITE TYPE XI SHEETING

PRESSURE SENSITIVE RED TRANSLUCENT INK SILK-SCREENED CLEAR-COATED OR ELECTRO-CUT (EC) FILM OR EQUIVALENT

HARDWARE

FRONT: #16 HEX HEAD STAINLESS STEEL 5/16" x 3/4" BOLT W/ 38" NYLON WASHER

BACK: 5/16" HEX HEAD STAINLESS STEEL NUT W/ 38" STAINLESS STEEL WASHER

ALL TYPE XI SHEETING UTILIZED MUST BE ON THE POST APLIST

NOTES:

1. SEE BCTED TECHNICAL POLICY MEMO W/PM 16-001 - SPECIFICATIONS FOR RETROREFLECTIVE TRAFFIC SIGN MATERIALS

2. For standard ground sign installation, see detail entitled "Ground Sign Assembly Details"

SQUARE TUBE SIGN POST

The Square Tube Sign Post shall consist of a 6 foot x 2.5" square tube insert inserted into a 2.5" square post receiver. Both tubes will be perforated, hot-dipped galvanized, 12-gauge, grade 50 steel. The post shall be installed into the slip base assembly shown in detail "B"

Notes:

1. Dimensions and certain details for the parts used to assemble the slip base connections are intentionally not shown. Slip base connections are patented manufactured products that are in compliance with NC-HSP 350 crash test criteria. The base connection details are only shown on this plan to illustrate how the parts are assembled. The complete assembly must be designed to withstand 150 mph Base Wind Speed per 2013 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th edition and interims.

2. For standard ground sign installation, see detail entitled "Ground Sign Assembly Details"

DETAIL "B"

Triangular Slip Base Assembly For 2-1/2" Perforated Square Steel Tube Sign Post

2-1/4" Square Tube Insert

2-1/2" x 10/12" x 12ga. PSST

Post Receiver

Redi-Torque Bolt

Facing Incoming Traffic

Slip Washer

Washer

Flange Nut

2-1/2" Square Post Slip Base Receiver Top Cap

REVISIONS

DATE	DESCRIPTION
02-28-2020	ADDED ISOMETRIC VIEW
02-05-2021	UPDATED POST BASE HEIGHT
06-22-2023	UPDATED SIGN POST NOTES

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT

TRAFFIC ENGINEERING DIVISION

DESIGN BY: CARMELO CARATTOZZOLO, P.E.

SCALE: NTS

DRAWN BY: STEPHON RAMOUTAR

CHECKED BY: CARMELO CARATTOZZOLO, P.E.

STOP SIGN AND STREET IDENTIFICATION ASSEMBLY

TYPICAL DETAILS

SHEET NO.

1 OF 1

4" MIN. LIMEROCK CURB PAD COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180, LBR 100

2'-0" *

6"

1'-6"

ASPHALT

7-1/2" STD.

6" MIN.

LIMEROCK BASE

STABILIZED SUBGRADE

TYPE "F"

NOTE:

(*) WHEN USED ON HIGH OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6". UNLESS OTHERWISE SHOWN ON PLANS.

4" MIN. LIMEROCK CURB PAD COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180, LBR 100

6"

6"

10"

1'-2"

ASPHALT

7 1/2"

LIMEROCK BASE

STABILIZED SUBGRADE

VALLEY GUTTER

4" MIN. LIMEROCK CURB PAD COMPACTED TO 98% MAX. DENSITY PER AASHTO T-180, LBR 100

6"

6"

1'-0"

ASPHALT

LIMEROCK BASE

STABILIZED SUBGRADE

HEADER CURB

NOTE:

MINIMUM COMPRESSIVE STRENGTH OF CONCRETE FOR ALL CURB TYPES SHALL BE 3,500 PSI.

CITY OF PEMBROKE PINES

ENGINEERING/UTILITIES DIVISION

APPROVED: J.M.

REVISD:

DATE: 11/05/99

10/20/22

STANDARD ROAD DETAIL

PAVEMENT MARKING AND SIGNAGE NOTES AND DETAILS

CITY OF PEMBROKE PINES

ENGINEERING/UTILITIES DIVISION

APPROVED: J.M.

REVISD:

DATE: 11/05/99

12/01/20

9/17/20

2/18/21

6/01/22

STANDARD ROAD DETAIL

PAVEMENT MARKING AND SIGNAGE NOTES AND DETAILS

R-26

5 FT. TO 7 FT.

8" W. LINE (WHERE APPLICABLE)

ELEVATION SAME AS ROAD CROWN OR FEET PLAN

SLOPE = 2% MAX PER FOOT

12" COMPACTED SUBGRADE 98% OF MAXIMUM DRY DENSITY PER AASHTO T-100 WITH MIN LBR 40

SECTION A-A

TABLE OF SIDEWALK JOINTS

LOCATION	THICKNESS - "T"
PRIVATE STREETS AND DRIVEWAYS OF PRIVATE STREETS AND CITY PROJECTS	4"
CITY STREETS, AT DRIVEWAYS OF PRIVATE STREETS AND CITY PROJECTS	6"

TABLE OF SIDEWALK JOINTS

LOCATION	THICKNESS - "T"
PRIVATE STREETS AND DRIVEWAYS OF PRIVATE STREETS AND CITY PROJECTS	4"
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PEMBROKE PINES, FLORIDA 33026

GROUND SIGN ASSEMBLY DETAILS

PAVEMENT MARKINGS AND SIGNS DETAILS

1. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECTS DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.
2. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVEMENT BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVEMENT BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARMING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

1. ALL TRAFFIC CONTROL DEVICES MAINTAINED BY BROWARD COUNTY, THAT ARE REMOVED OR DAMAGED BY CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR USING CURRENT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS.

4. THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S (BCTED'S) REVIEW DOES NOT INCLUDE THE SIGNAGE AND PAVEMENT MARKINGS WITHIN THE PARKING LOTS OR ANY PRIVATE DRIVEWAYS CONNECTION.

ward County Traffic Engineering Division
for Notification of Communication Disruption

Fiber Optic Cable Notification Contact Person

Interconnect Communications Cables - (Robert Blount) Broward County Traffic Engineering Division
(BCTED) 954-847-2745

The Maintenance of Traffic plan, provided by the Contractor, shall include provisions for pedestrian and/or school student traffic as well as vehicular traffic. The following are minimum requirements:

1. The safe walk route for all school students within the vicinity of the construction zone shall be maintained during student arrival and dismissal times. If the current walking surface cannot be maintained, then a temporary walkable surface shall be created. The safe walk route shall be separated from the construction activity during the entire length of the project encompassing the entire walk route with proper pedestrian openings at designated crossings in compliance with FDOT Design Standards Index No. 600 as well as meeting all ADA requirements.

3. In the case that a designated crossing or any portion of the designated walk route cannot be maintained, the Contractor shall notify the Special Projects Coordinator at Broward County Traffic Engineering Division, (954) 847-2600, a minimum of ten (10) working days prior to closing that route in order to establish an alternate crossing/route.

4. It shall be the Contractor's responsibility to install any necessary pavement, road rock, pavement markings and signage and/or any pedestrian signalization and/or signal modification to accommodate an existing or alternate walk route throughout the entire length of the project.

students at all locations other than those previously designated. The Contractor may use Flagmen, but **ONLY** if they are State Certified as a School Crossing Guard.

• Ruth Masters	Routing	(754) 321-4400 Ext. # 2309	ruth.masters@browardschools.com
• Simone Clowers	Student Transportation & Fleet Service	(754) 321-4440	simone.clowers@browardschools.com
• Jennifer Hunter	Student Transportation & Fleet Service	(754) 321-4402	jennifer.hunter@browardschools.com

Upon coordination with the aforementioned personnel, and if deemed necessary, a pre-construction meeting will be held to determine all bus routes and to make any necessary arrangements for rerouting. The Special Projects Coordinator from the Broward County Traffic Engineering Division, (954) 847-2600, will be notified and may attend the pre-construction meeting.

8. The Contractor shall be responsible for obtaining an approved Maintenance of Traffic Plan (MOT), specifying the above school/peDESTrian conditions, through the Broward County Traffic Engineering Division or the Local Municipality, depending on the roadway jurisdiction. The conditions outlined in the MOT are fully effective as part of the proposed improvements. The Contractor shall be responsible for ensuring that all work associated with the project is in compliance with all the requirements of the approved MOT.

9. The Contractor shall ensure that there are **NO** speed limit signs installed within the designated reduced speed school zone at any time throughout the project.

Revised: 12/20/2022

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MEETING AND FULLY REFLECTORIZED IN ACCORDANCE WITH BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) STANDARDS. REFER TO THE BCTED 'PAVEMENT MARKINGS AND SIGNAGE INSTALLATIONS AS SHOWN ON THE PLANS AND ASSOCIATED WITH THE STREETS/ROADS RESURFACING PROJECT.

2. ALL EXISTING MEDIANS WITHIN THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED ON THE PLANS SHALL BE PAINTED YELLOW IN ACCORDANCE WITH THE "MEDIAN NOSE PAINT DETAILS" AS REFLECTED ON THE BCTD "PAVEMENT MARKINGS AND SIGNS DETAILS" SHEET.

3. ALL EXISTING PAVEMENT MARKINGS AND SIGNAGE OUTSIDE THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED TO REMAIN ON THE PLANS THAT IS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND PER THE LATEST BCTD STANDARDS.

4. ALL RAISED REFLECTIVE PAVEMENT MARKERS (RPMS) AND THEIR INSTALLATION/APPLICATION SHALL BE IN ACCORDANCE WITH BCTED STANDARDS. PLACEMENT/LOCATION OF RPMS SHALL COMPLY WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "DESIGN STANDARDS", INDEX NO. 17352 AND THE BCTED STANDARD DETAIL FOR "BULLNOSE" RPM TREATMENTS.

5. ALL PAVEMENT MARKINGS AND SIGNAGE MATERIALS/PRODUCTS MUST BE ON THE PDOT'S APPROVED PRODUCT LIST (APL)

6. ADDITIONAL RPMs AS FOLLOWS AND/OR AS OTHERWISE DIRECTED BY THE CITY'S FIELD REPRESENTATIVE SHALL BE INSTALLED IN THE CENTER OF THE NEAREST/ADJACENT TRAVEL LANE OF THE STREET/ROAD IN ACCORDANCE WITH THE CITY OF PEMBROKE PINES TYPICAL STANDARDS/REQUIREMENTS FOR EXISTING CITY OWNED AND MAINTAINED WATER AND SEWER SYSTEMS APPURTENANCES:

- FIRE HYDRANT - BLUE RPM
- WATER VALVE OUTSIDE OF PAVEMENT - WHITE RPM
- SEWER MANHOLE OUTSIDE PAVEMENT - ORANGE RPM
- FORCE MAIN VALVE OUTSIDE PAVEMENT - GREEN RPM

7. ALL EXISTING MEDIANS WITHIN THE STREETS/ROADS RESURFACING LIMITS AND/OR AS NOTED ON THE PLANS SHALL BE PAINTED YELLOW IN ACCORDANCE WITH THE "MEDIAN NOSE PAINT DETAILS" AS REFLECTED ON THE BCTD "PAVEMENT MARKINGS AND SIGNS DETAILS" SHEET.

8. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PAVEMENT MARKINGS THE SAME DAY OF A COMPLETION OF THE RE-PAVING OF A GIVEN SECTION OF THE OVERALL STREETS/ROADS RESURFACING PROJECT. TEMPORARY PAVEMENT MARKINGS SHALL BE REFLECTORIZED PAINT MEETING BCTED STANDARDS.

9. STREET/ROAD AREAS DESIGNATED ON THE PLAN BY WAY OF "LEGEND" AS REQUIRING A "HOT PATCH" (PAVEMENT REPAIR) SHALL BE FIELD VERIFIED AS PART OF THE BID TO DETERMINE/ESTABLISH THE EXTENT AND NATURE OF THE REQUIRED "HOT PATCH", INCLUDING ANY REQUIRED ROCK BASE WORK AND RE-COMPACTION.

10. CONTRACTOR SHALL PROVIDE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS FOR CITY OF PEMBROKE PINES AND BCTD APPROVAL. MOT PLANS FOR ALL REQUIRED/PROPOSED LANE CLOSURES MUST BE APPROVED BY THE CITY OF PEMBROKE PINES AND BCTD. CONTRACTOR SHOULD ALLOW APPROXIMATELY TWO (2) TO THREE (3) WEEKS FOR BCTD PROCESSING OF APPROVAL OF THE MOT PLANS.

11. THE FOLLOWING FIELD INSPECTIONS OF THE STREET/ROADS RE-PAVING AND PAVEMENT MARKINGS AND SIGNAGE INSTALLATIONS SHALL BE REQUIRED AND CORRECTION OF ALL NOTED PUNCH LIST ITEMS/WORK DEFICIENCIES MUST BE INCLUDED IN THE CONTRACTOR'S BID:

- CITY'S INITIAL PUNCH LIST INSPECTION-CONTRACTOR MUST ADDRESS ALL PUNCH LIST ITEMS
- CITY'S PUNCH LIST COMPLETION VERIFICATION INSPECTION-CONTRACTOR MUST ADDRESS ANY STILL PENDING PUNCH LIST ITEMS PRIOR TO THE CITY'S "CERTIFICATION OF COMPLETION OF CONSTRUCTION" SUBMITTAL TO BCTD AND REQUEST FOR BCTD INSPECTION. RETAINAGE IN THE AMOUNT OF 20% OF THE OVERALL COST OF THE STREET/ROADS RESURFACING PROJECT SHALL BE WITHHELD UNTIL THE CITY'S RECEIPT OF THE BCTD APPROVAL OF ALL PAVEMENT MARKINGS AND ANY APPLICABLE SIGNAGE INSTALLATION.

12. THE ABOVE "NOTES" ARE TYPICAL FOR ALL PLAN SHEETS AND APPLY TO THE OVERALL SCOPE OF WORK FOR THE STREETS/ROADS RESURFACING PROJECT AS NOTED ON THE PLANS.

