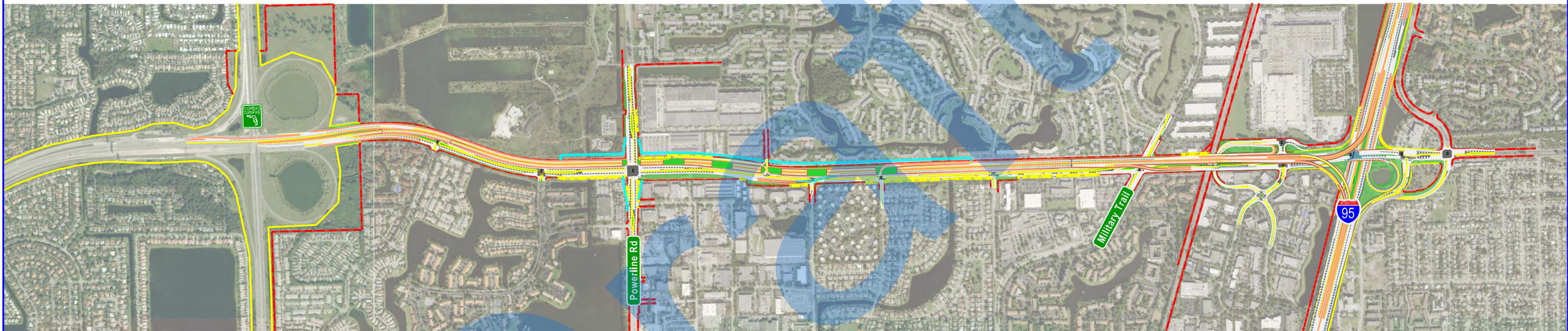


Appendix A

Tier 1 Alternatives

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APPENDIX A - TIER 1 ALTERNATIVES



**SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291**

Financial Project ID: 439891-1-22-02
ETDM No: 14291

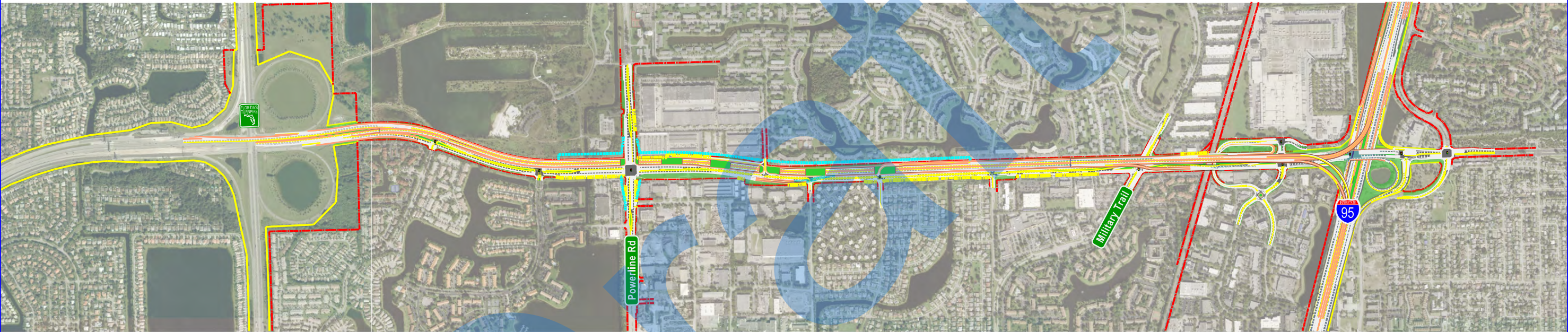


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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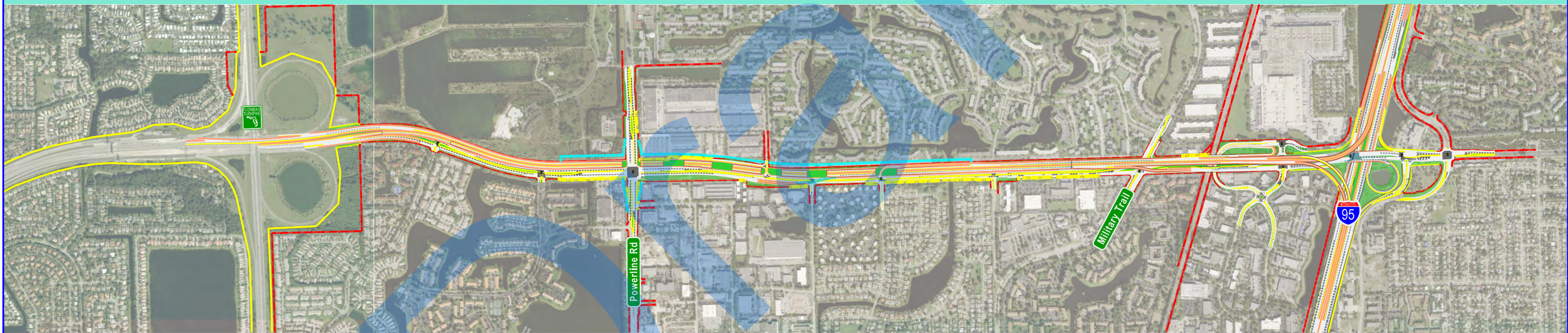
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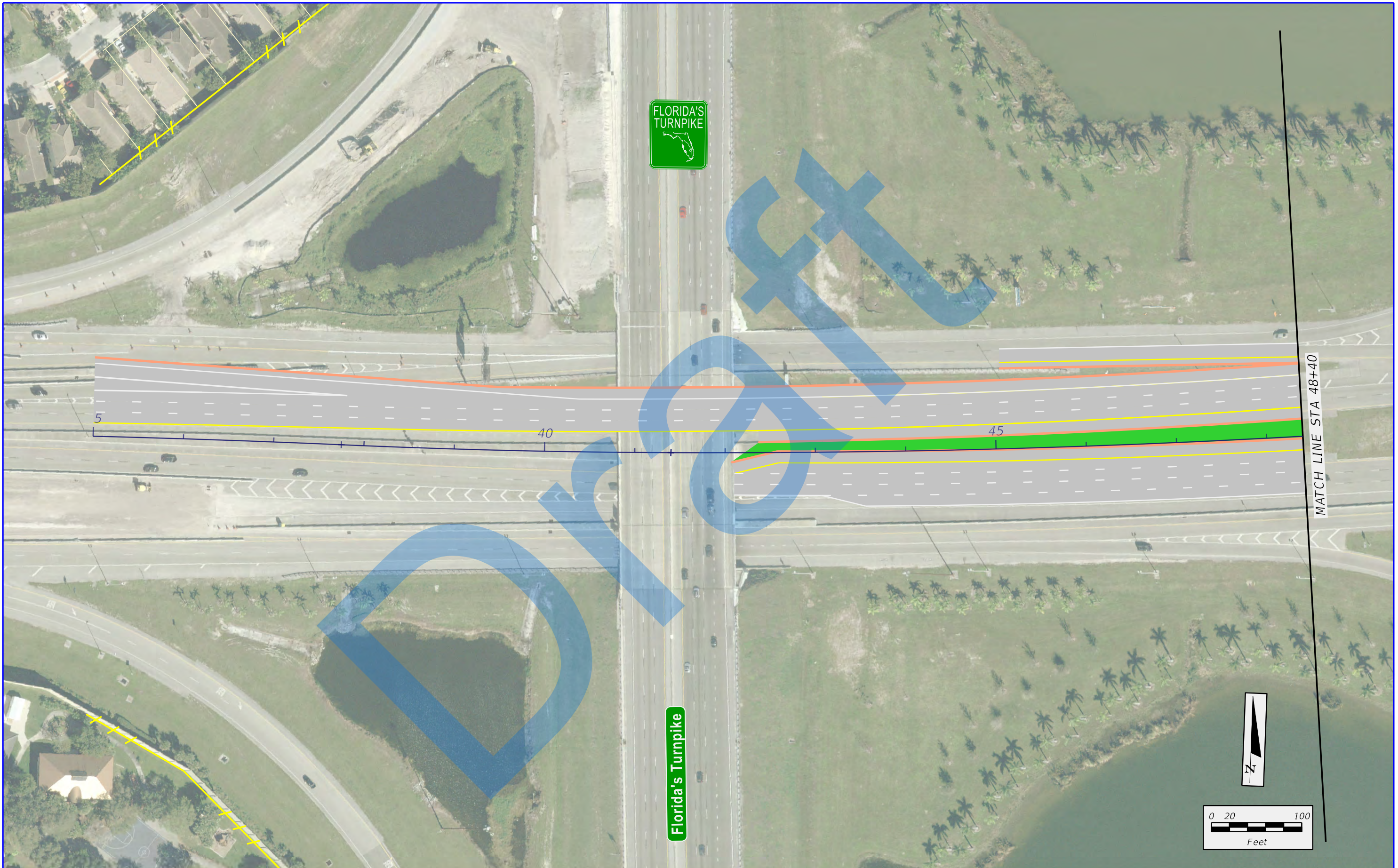
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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291



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Florida's Turnpike / Sawgrass Expressway to west of I-95
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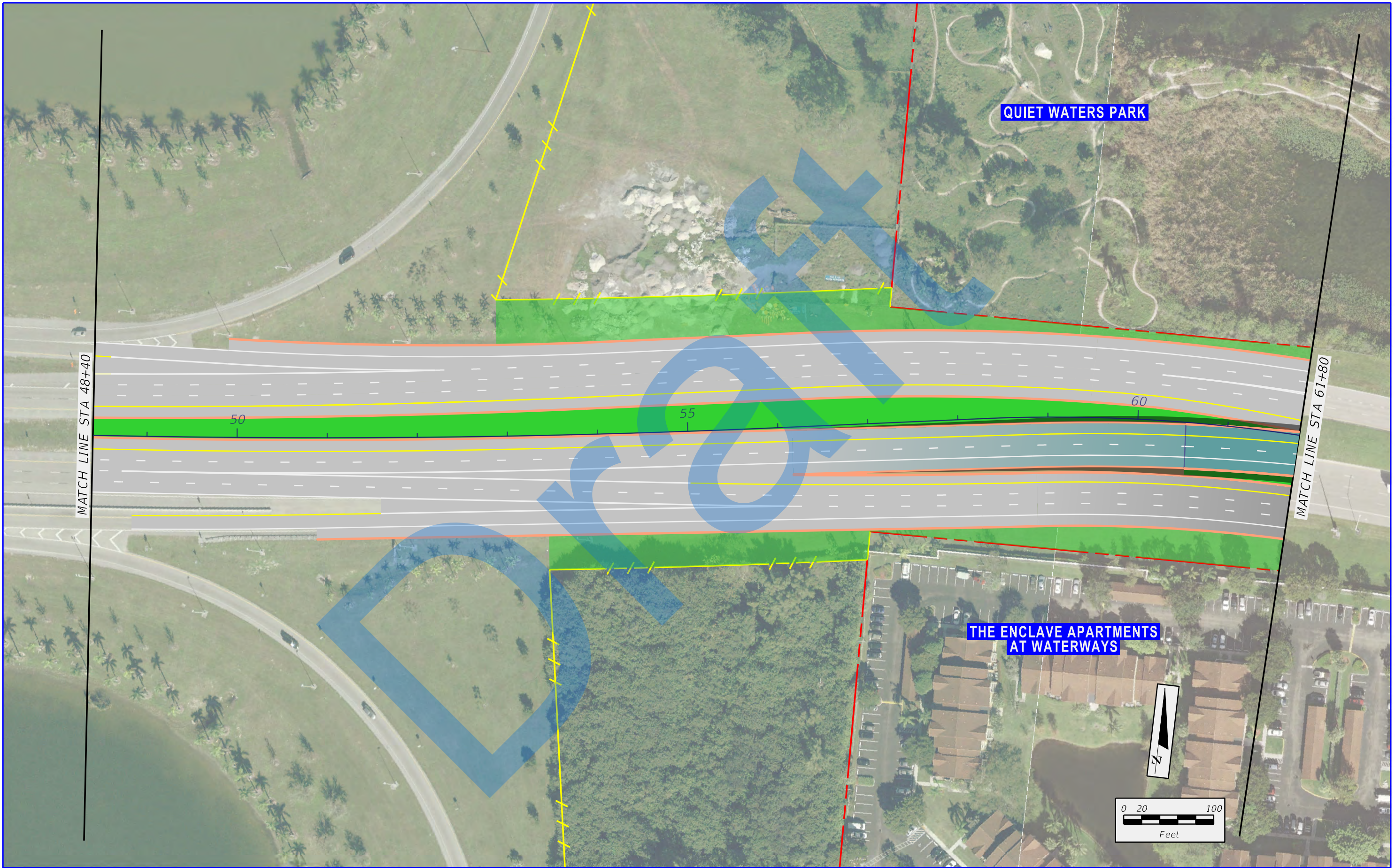
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

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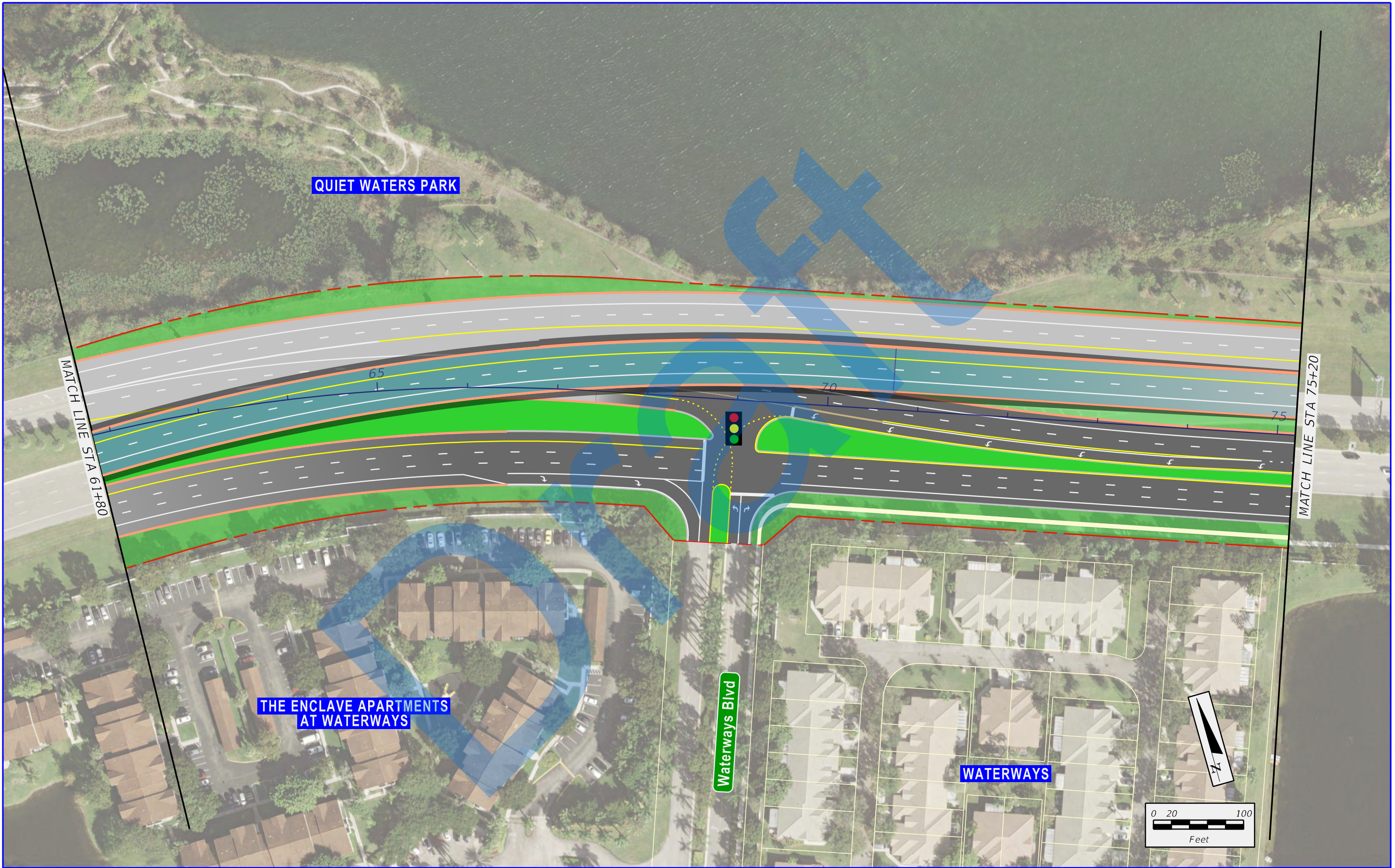


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

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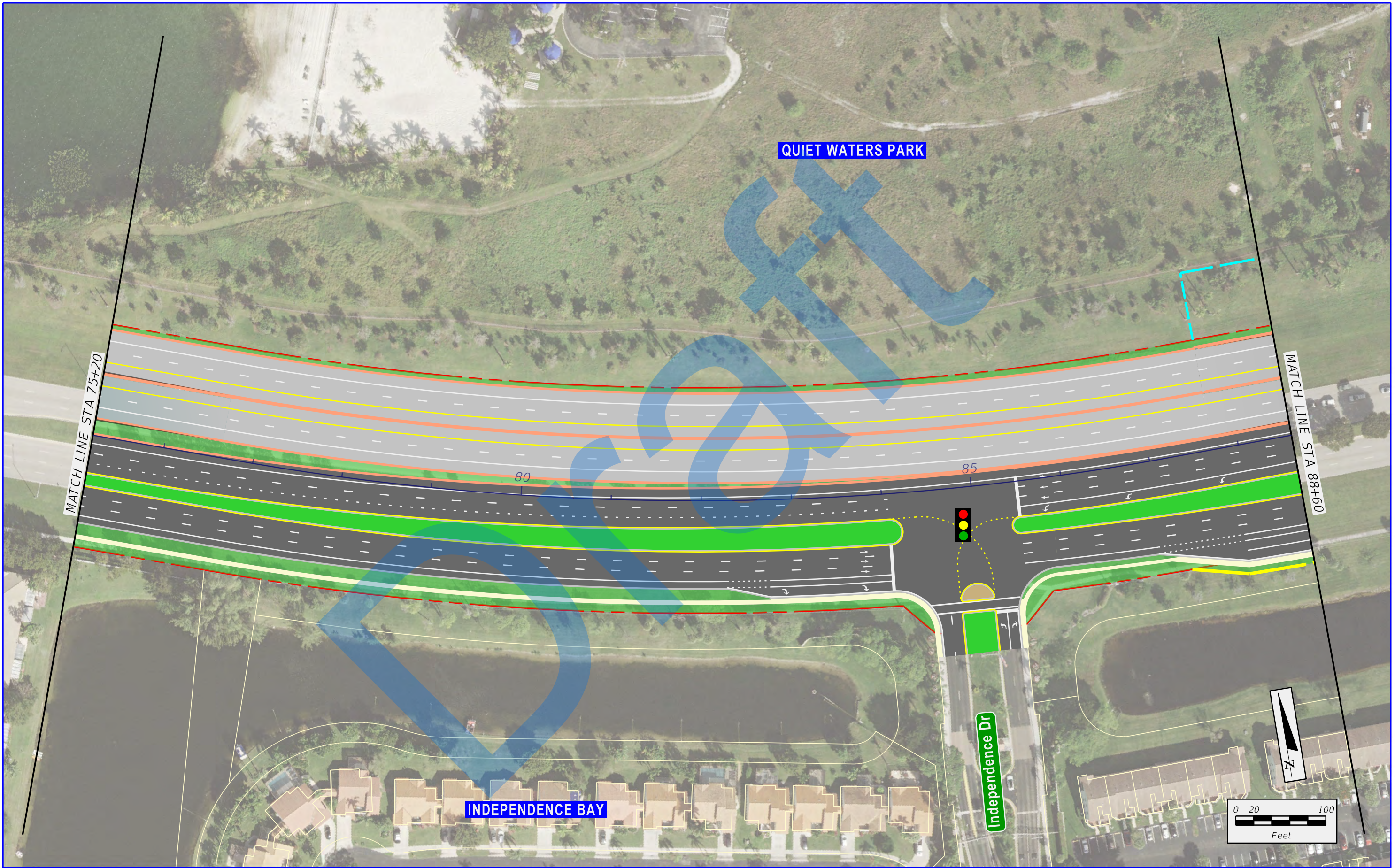
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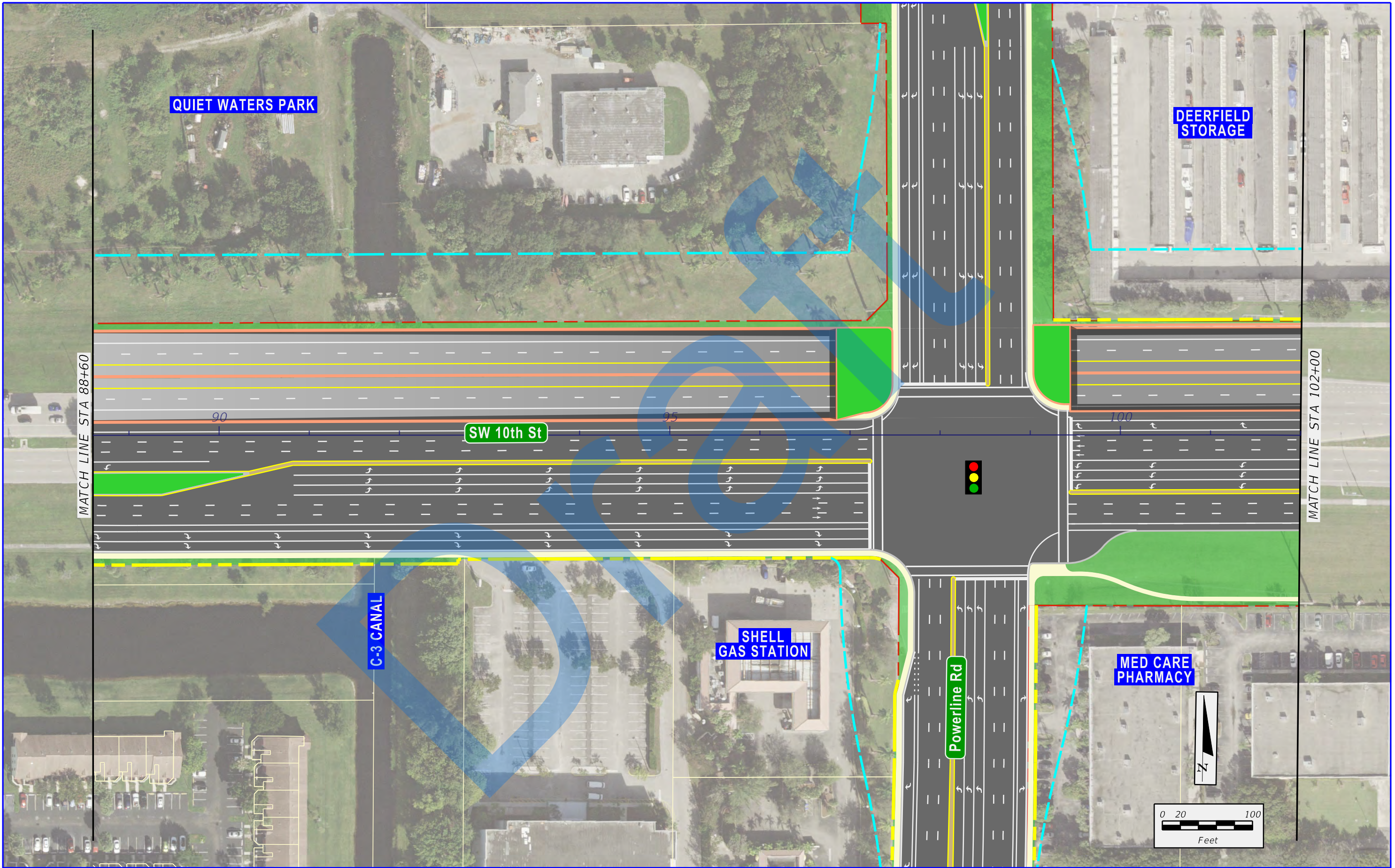
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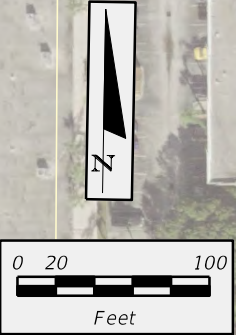
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
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			TEMPORARY EASEMENT
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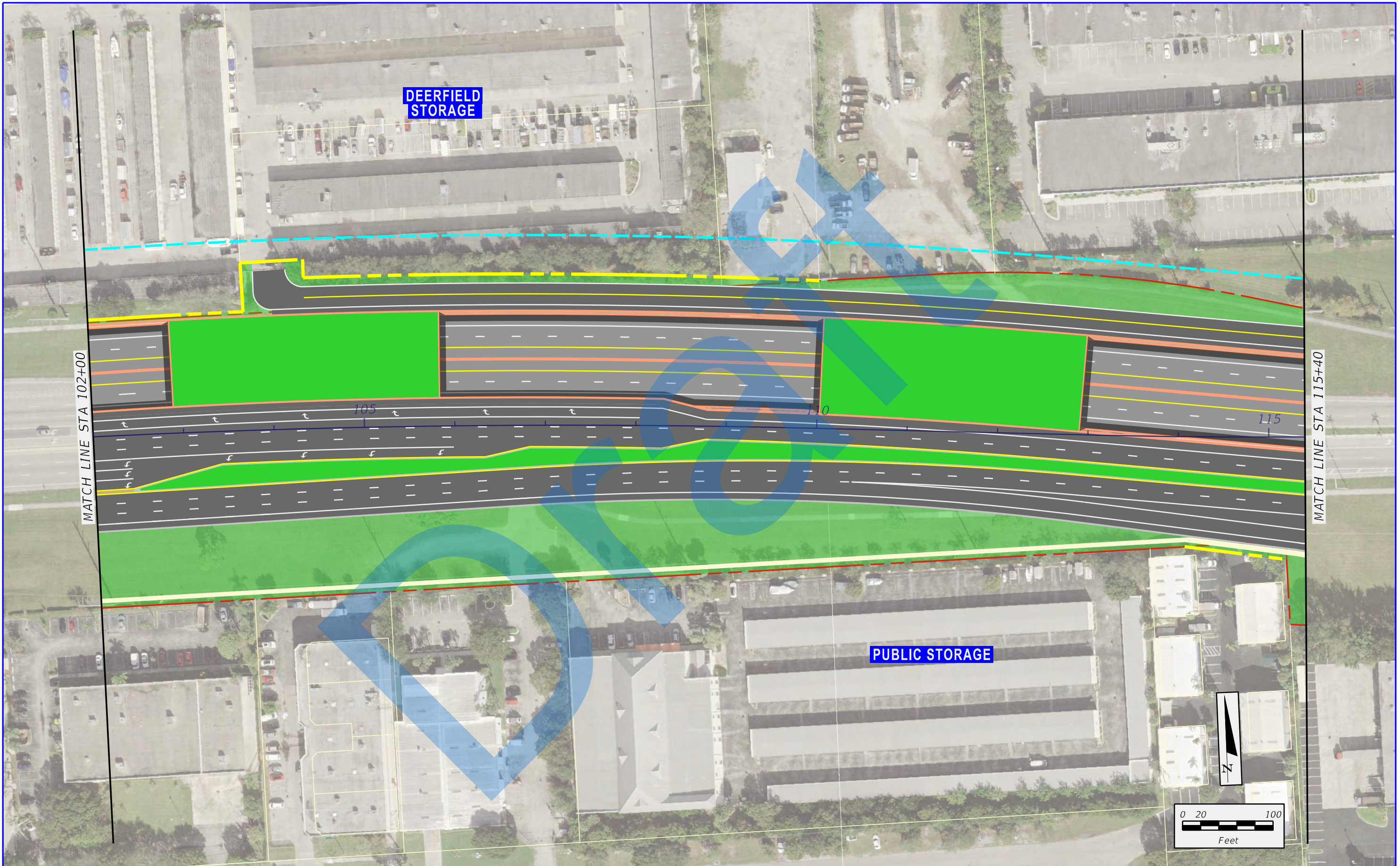


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Florida's Turnpike / Sawgrass Expressway to west of I-95
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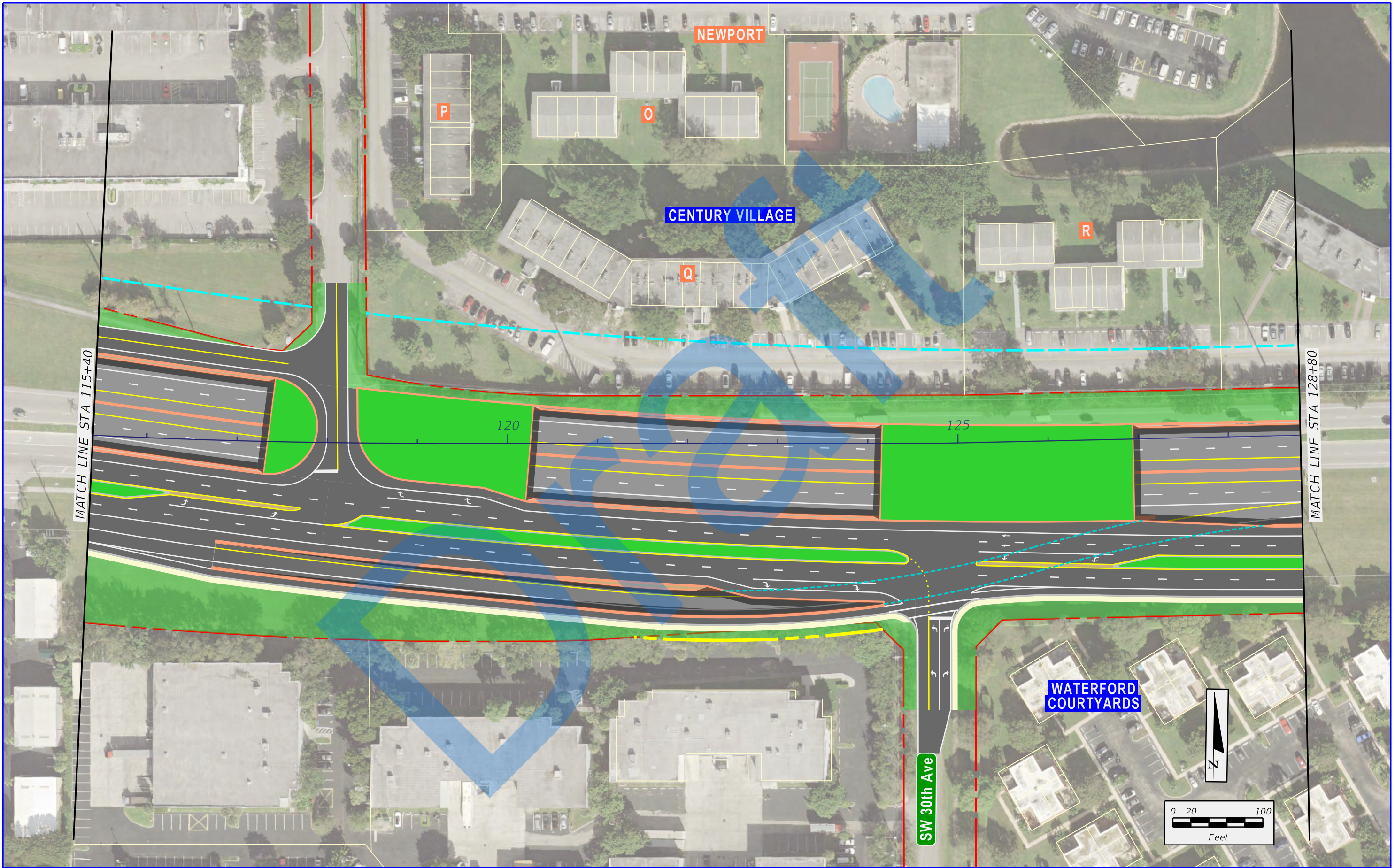
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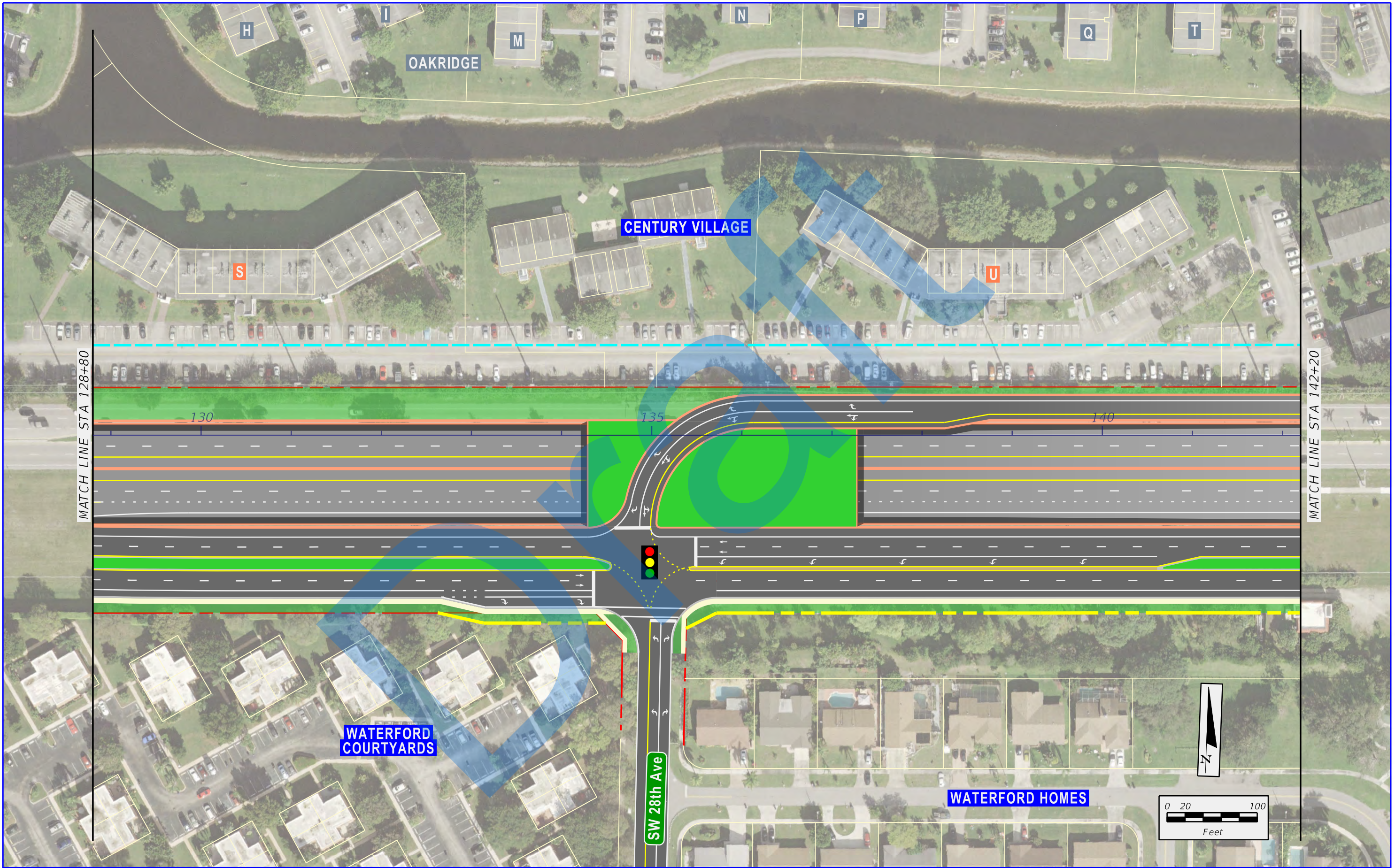
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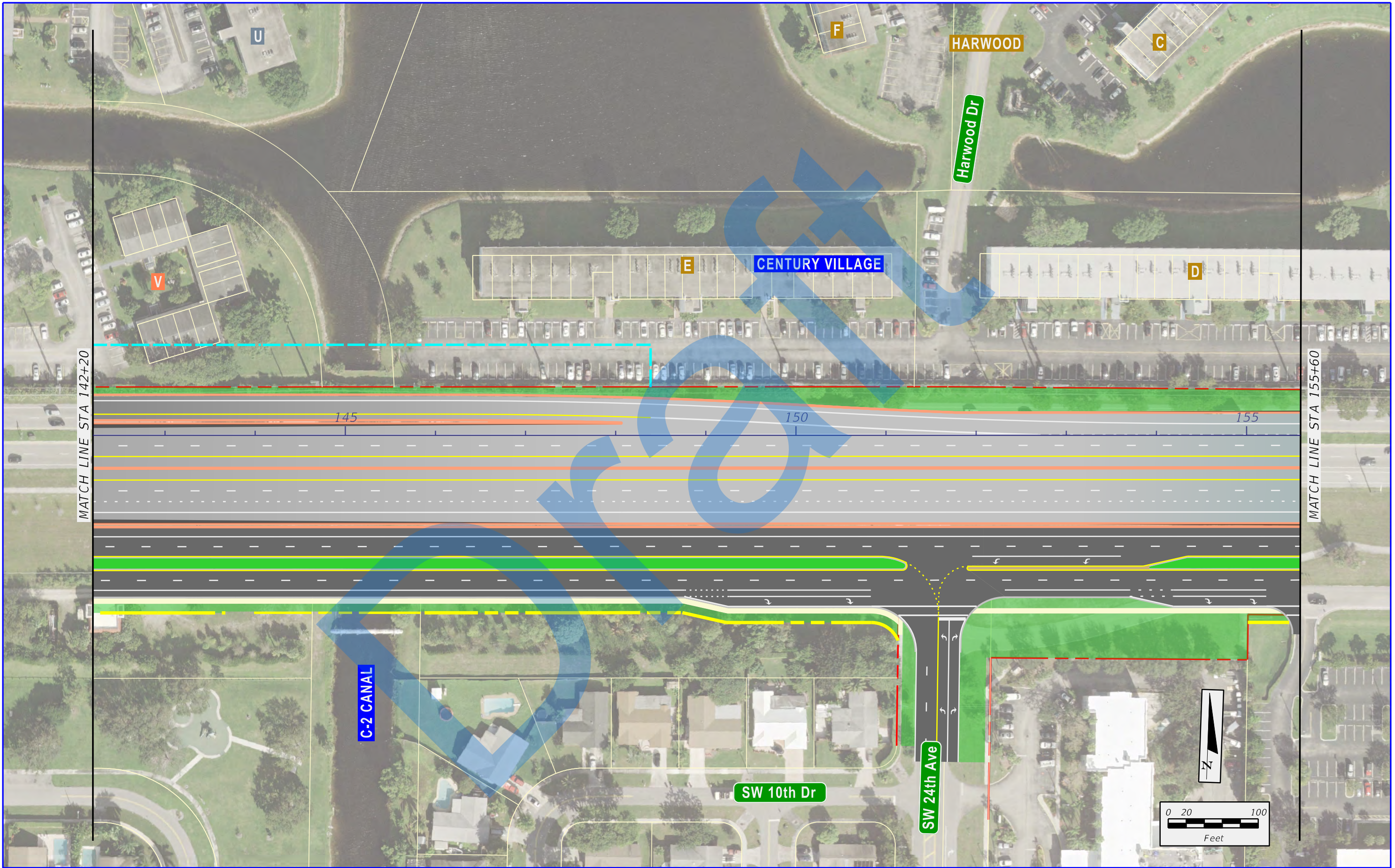
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
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			PROPOSED TRAFFIC SIGNAL

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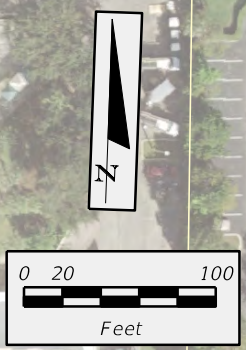
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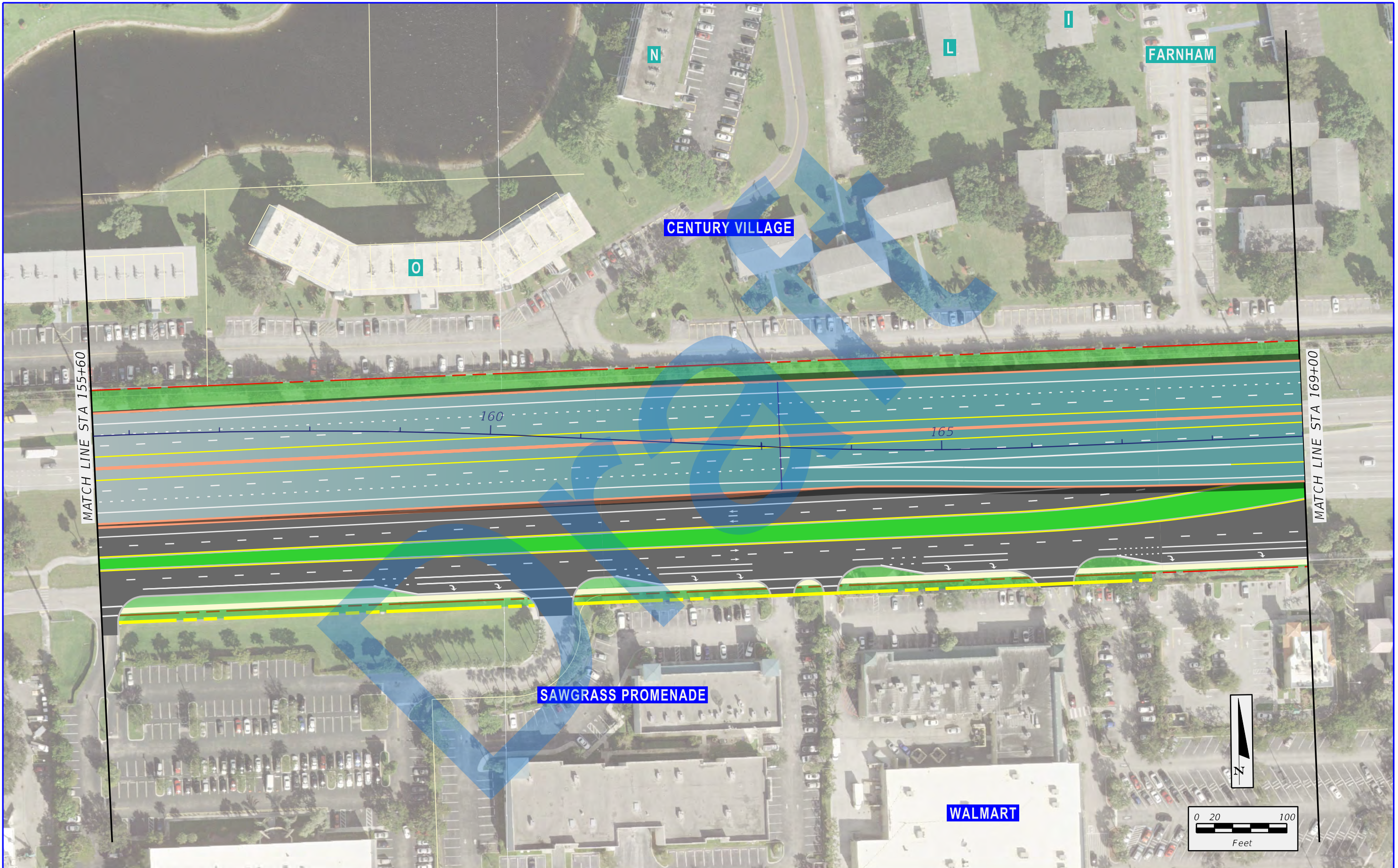


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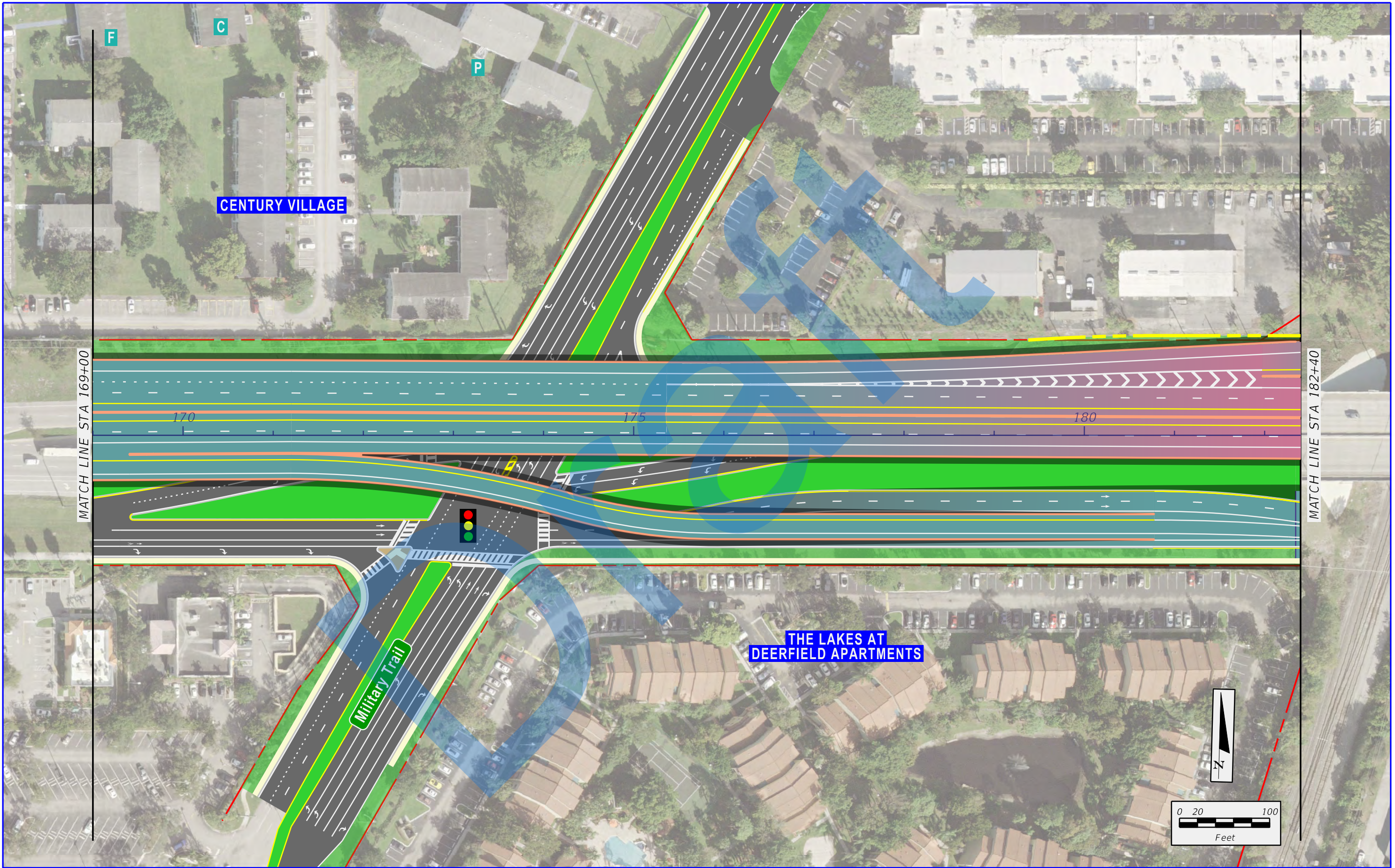


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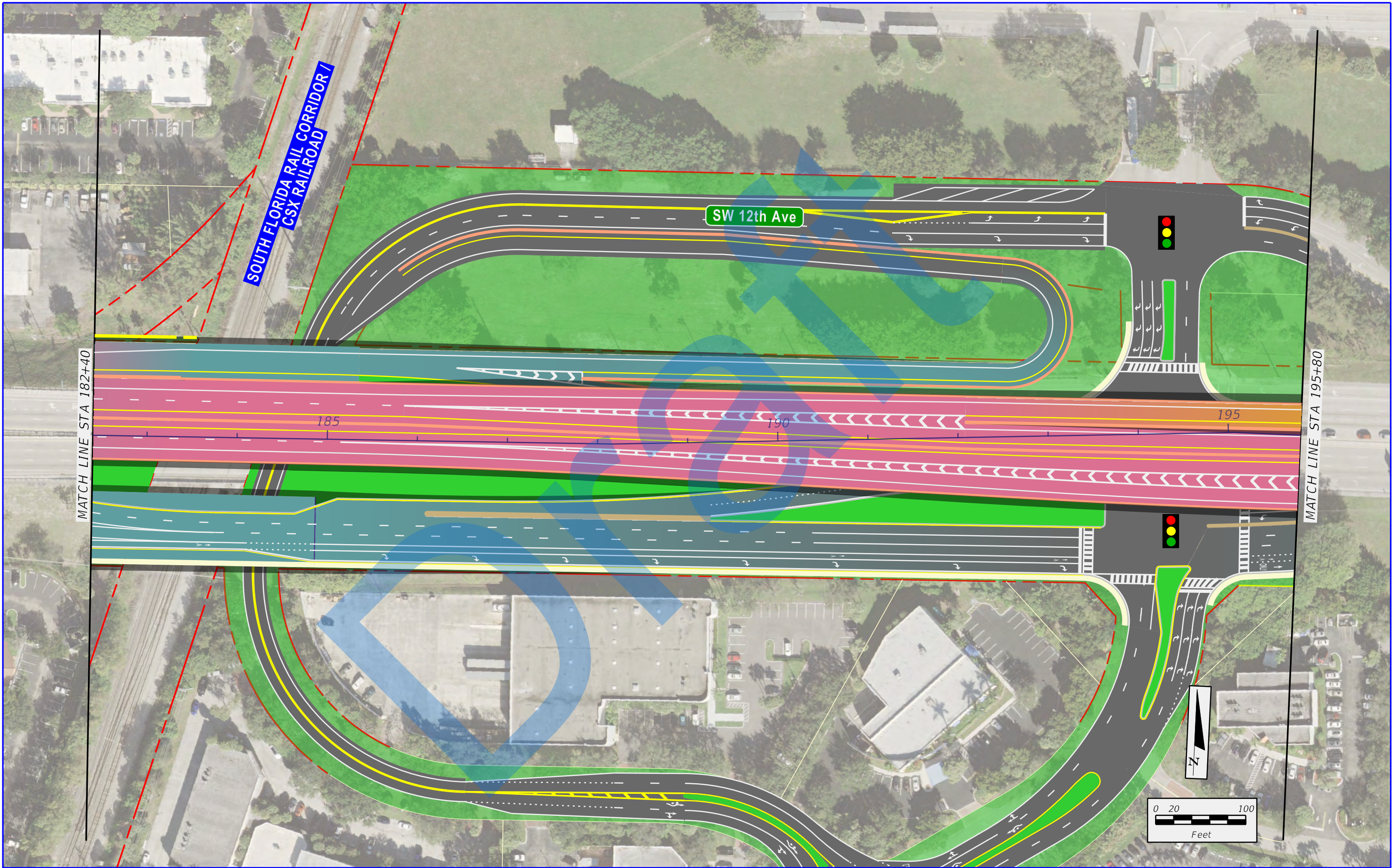
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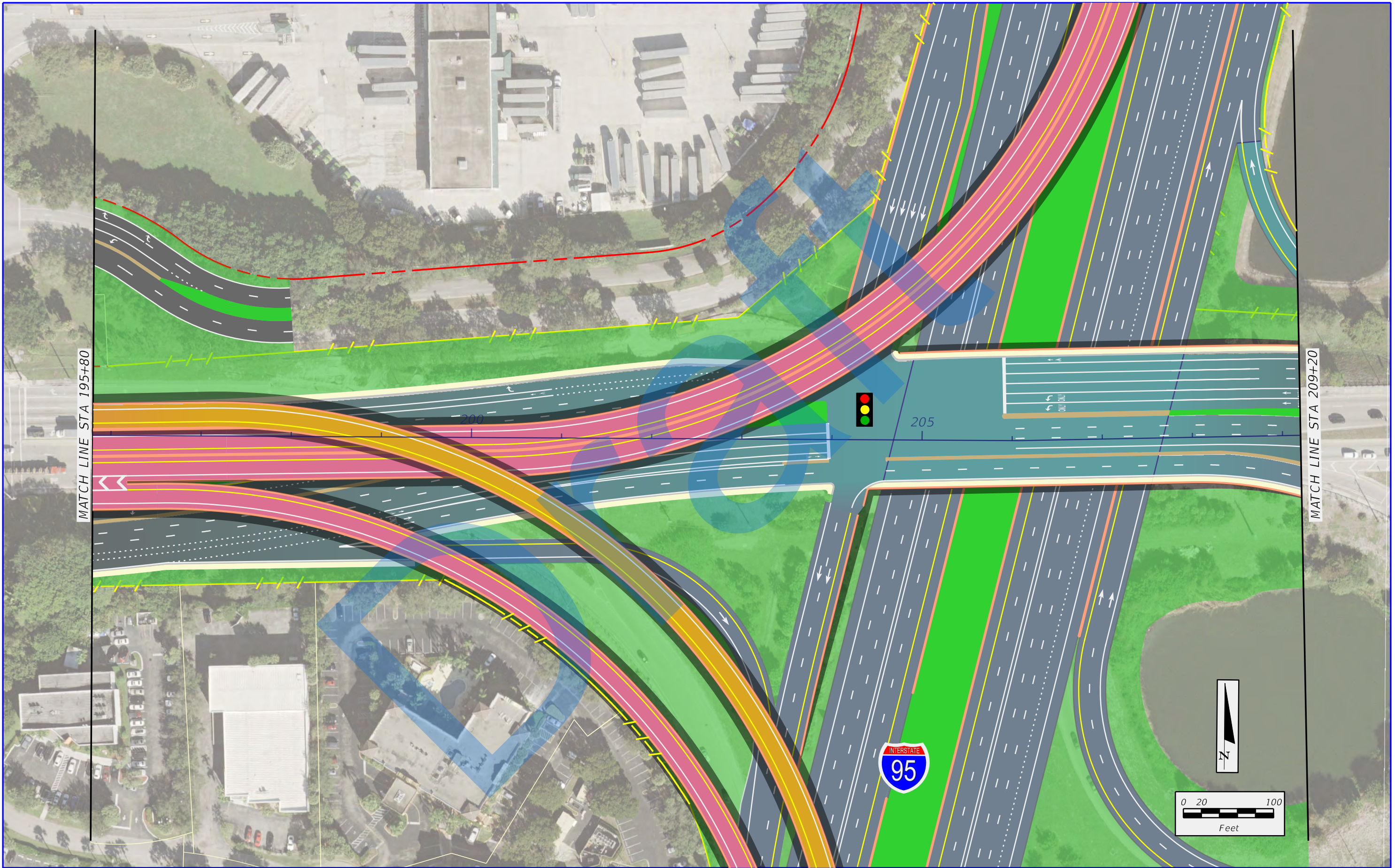
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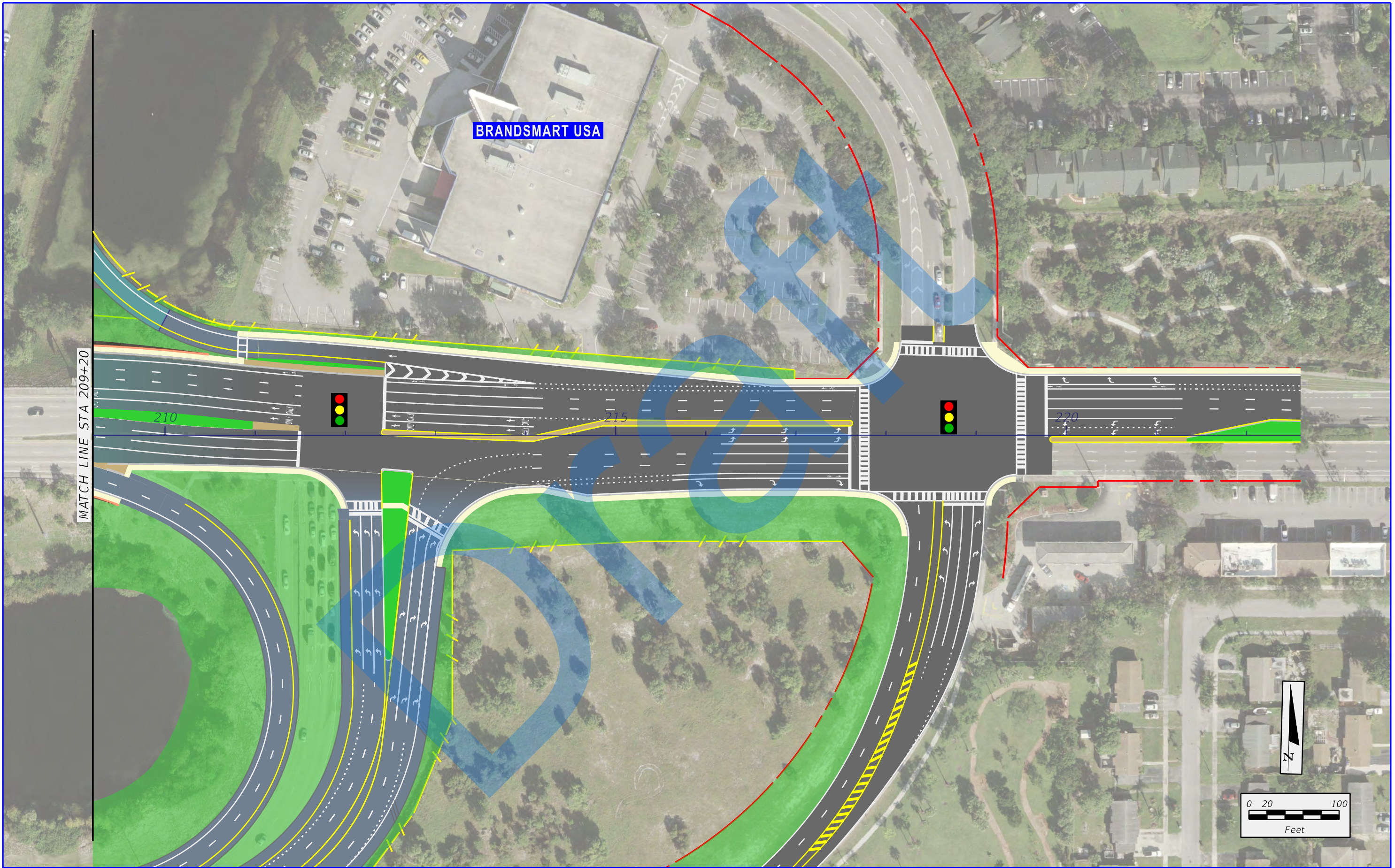
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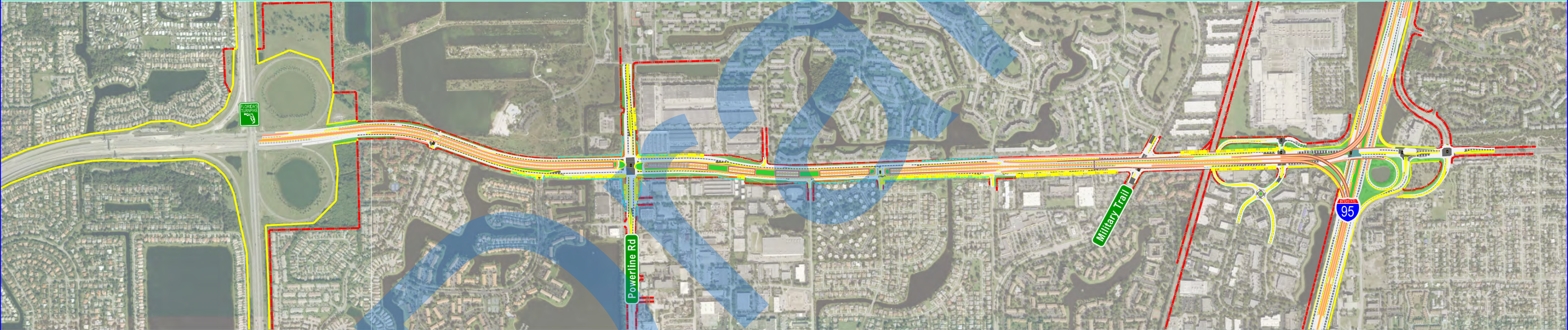
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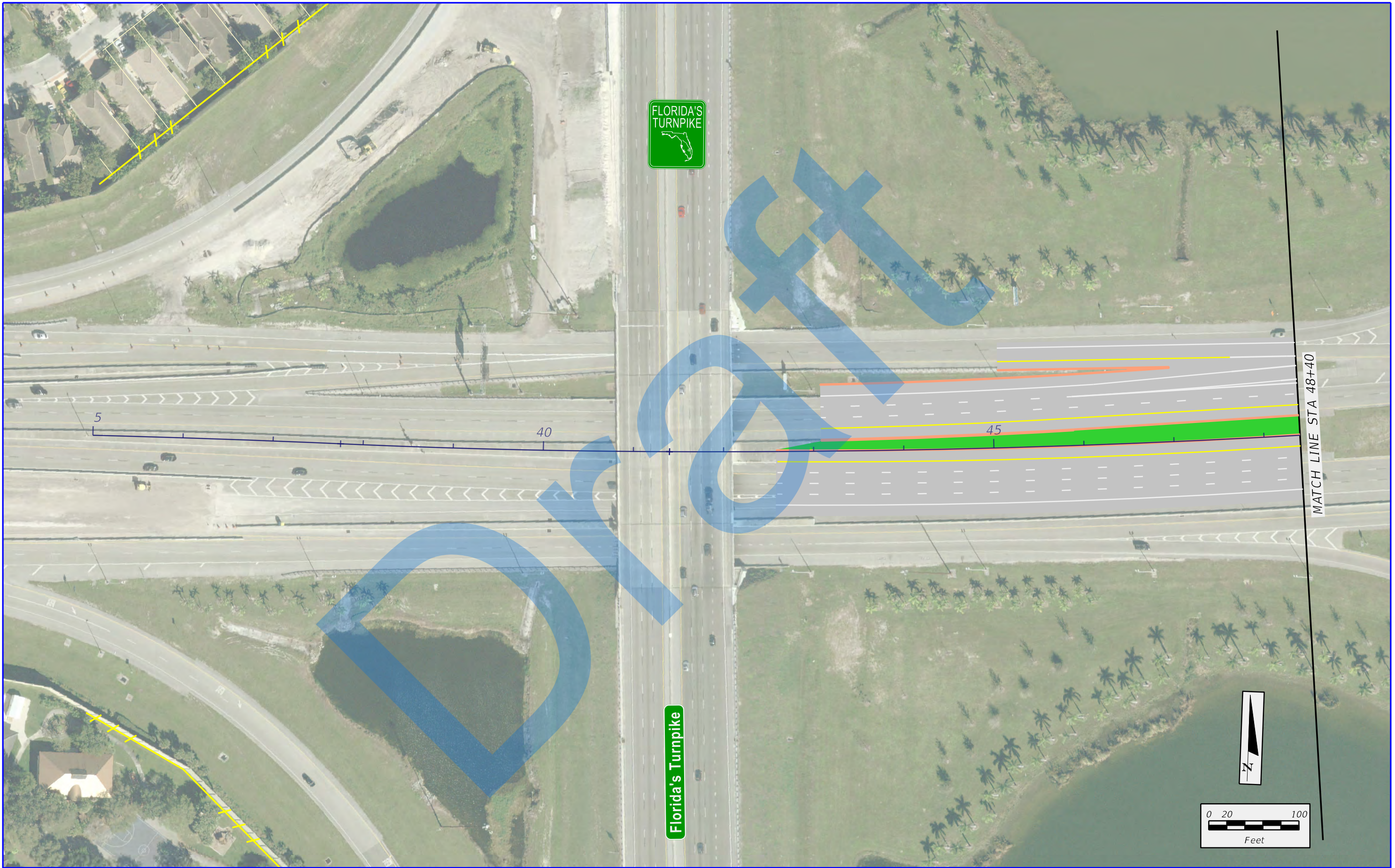
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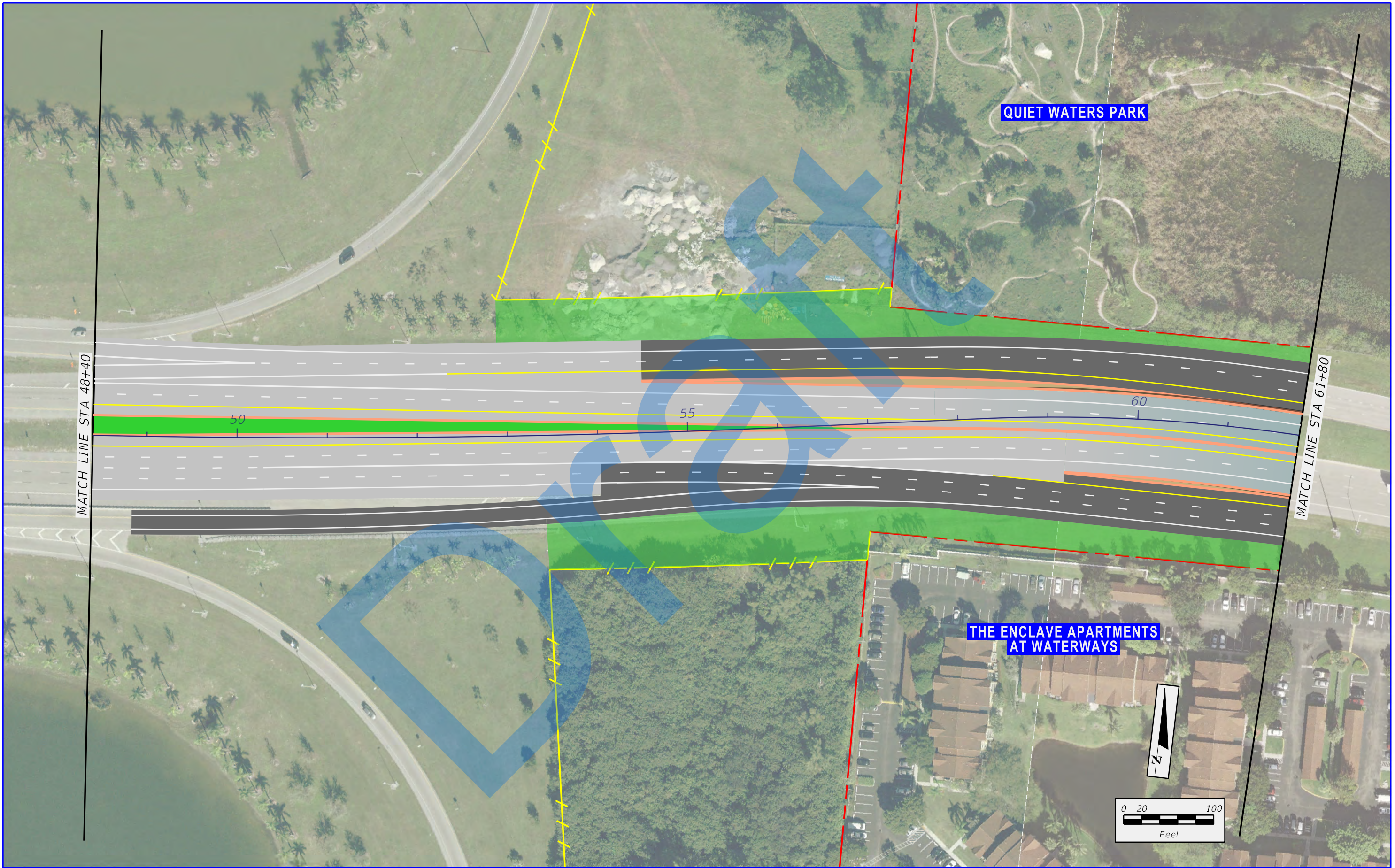


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			PROPOSED 4TH LEVEL BRIDGE
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			PROPOSED TRAFFIC SIGNAL

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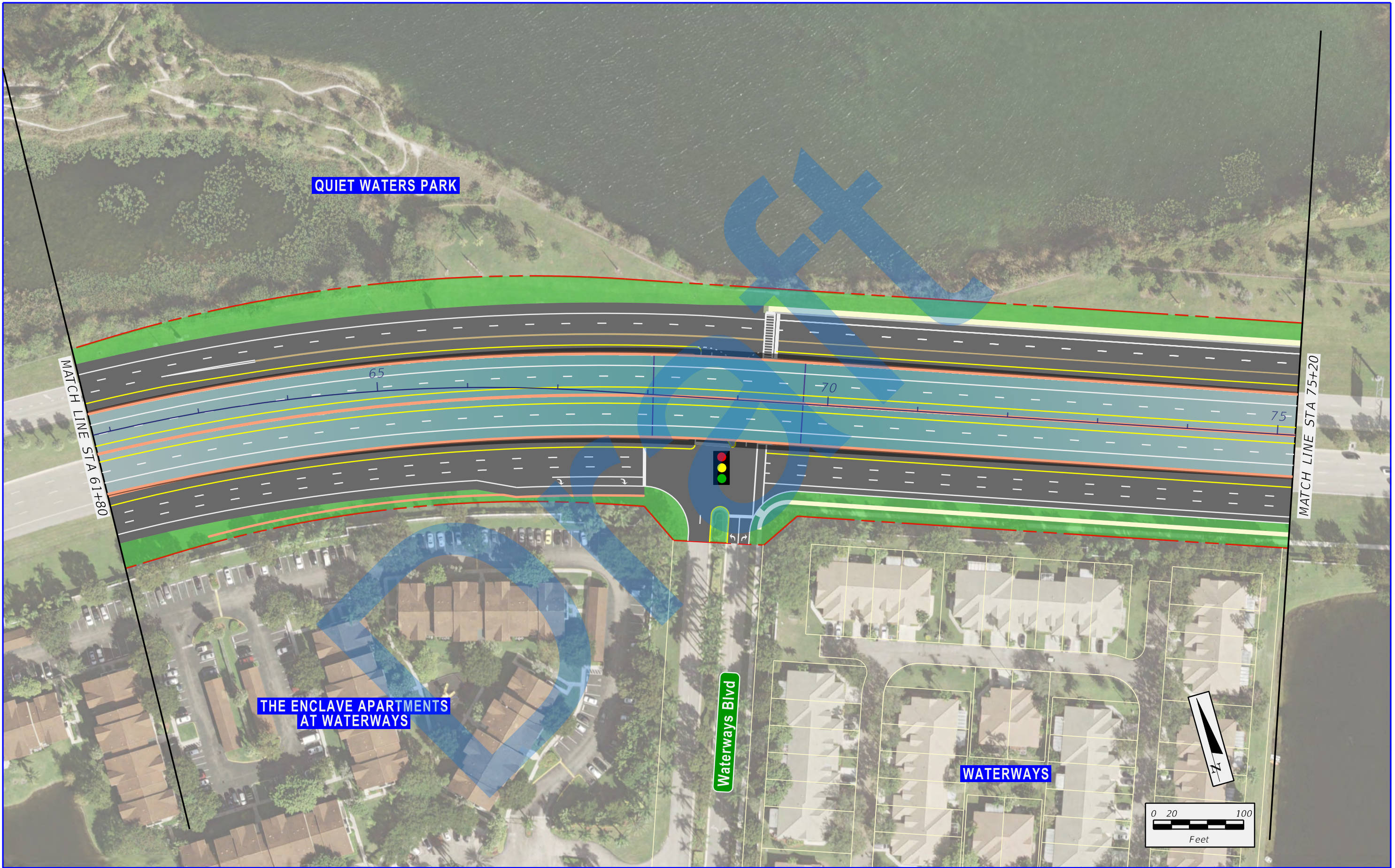
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

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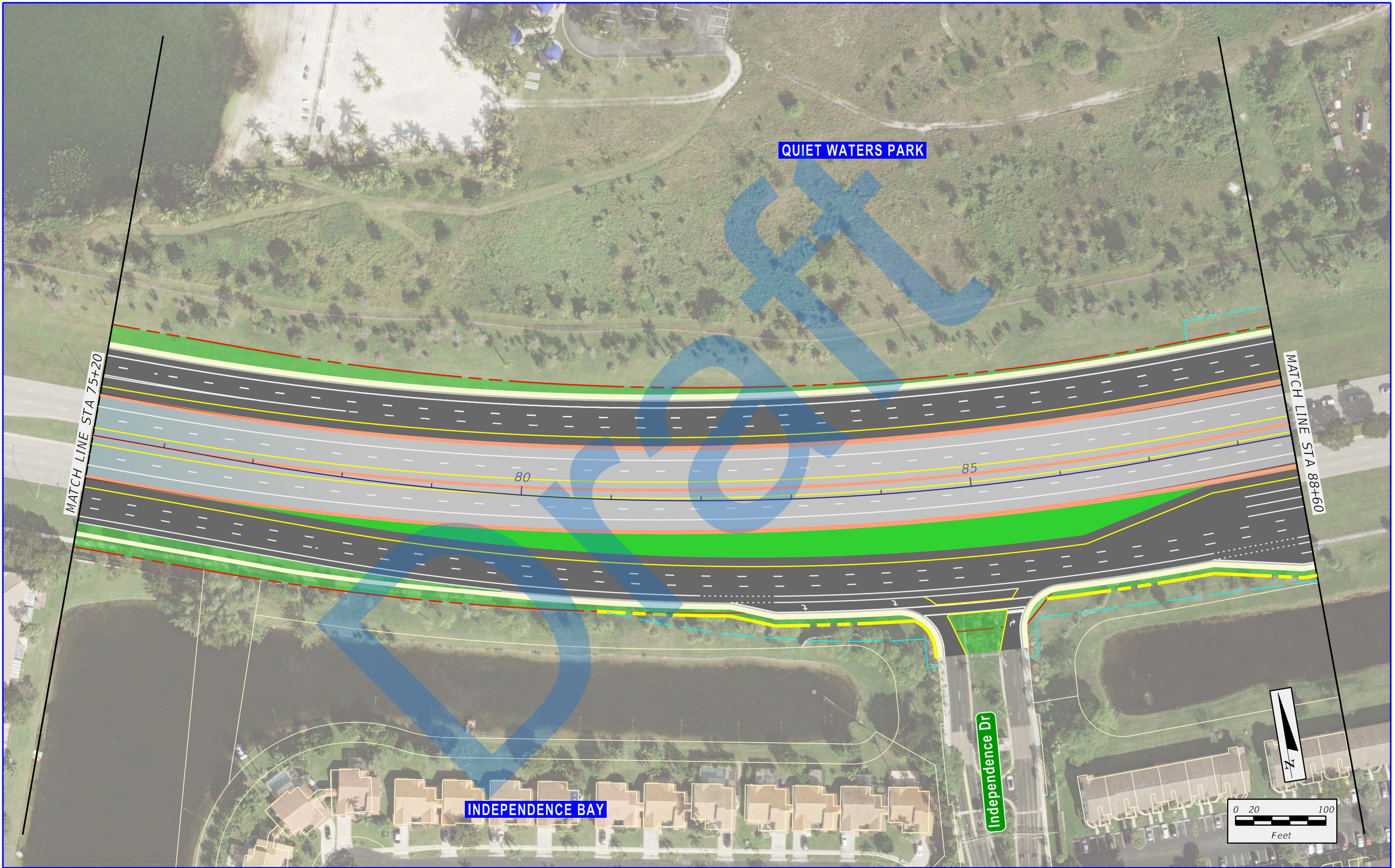
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
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			PROPOSED TRAFFIC SIGNAL

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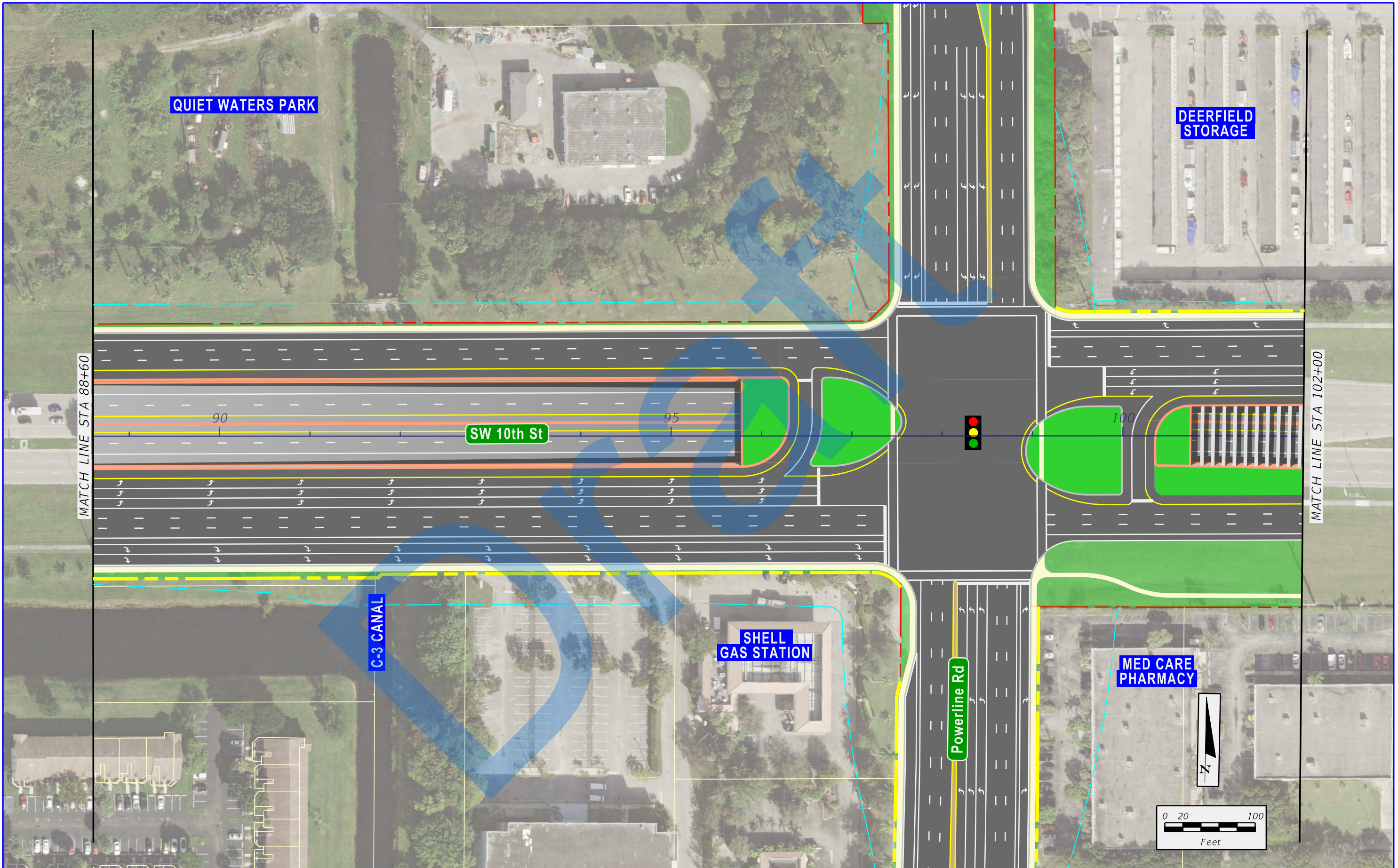
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			PROPOSED TRAFFIC SIGNAL

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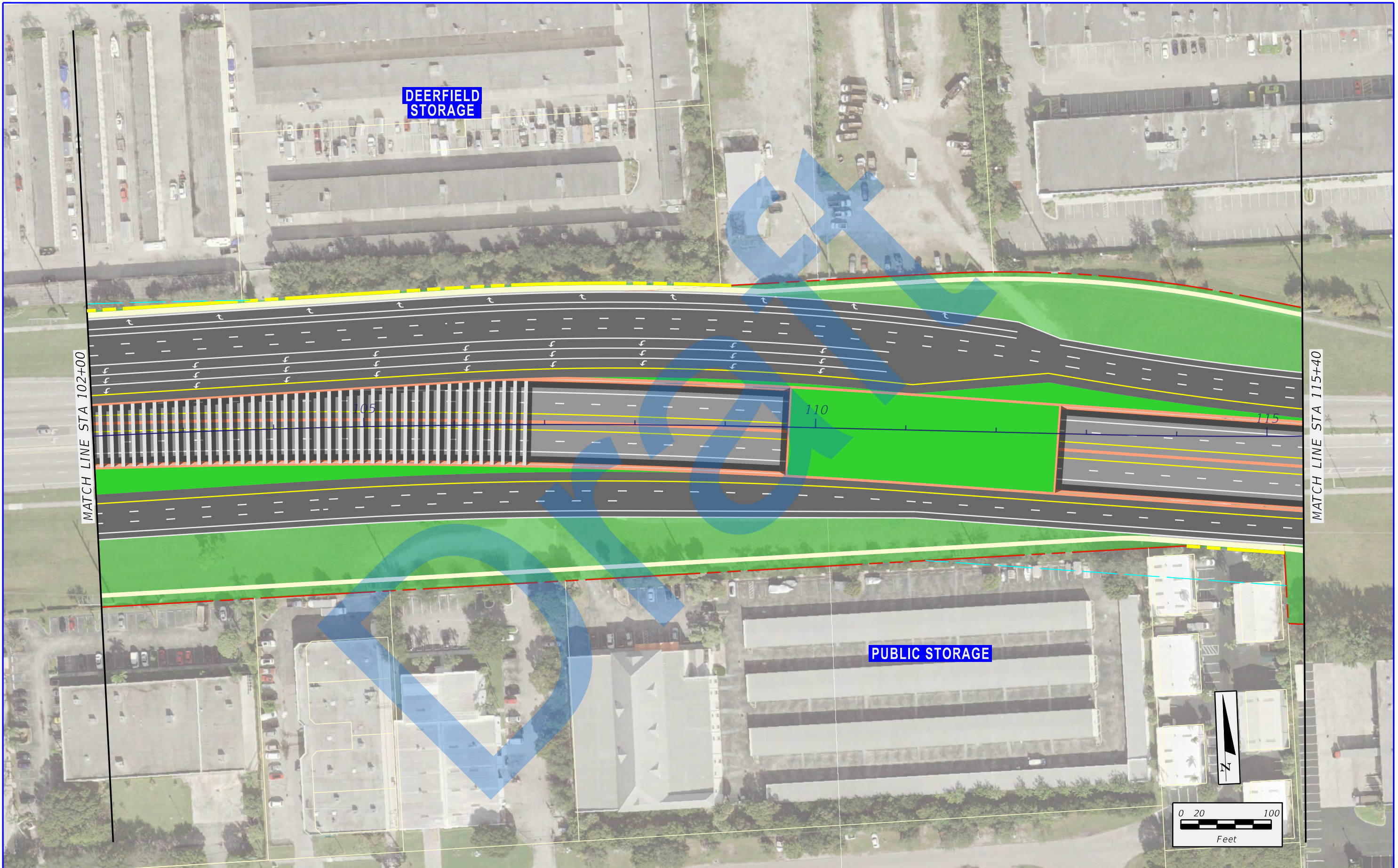


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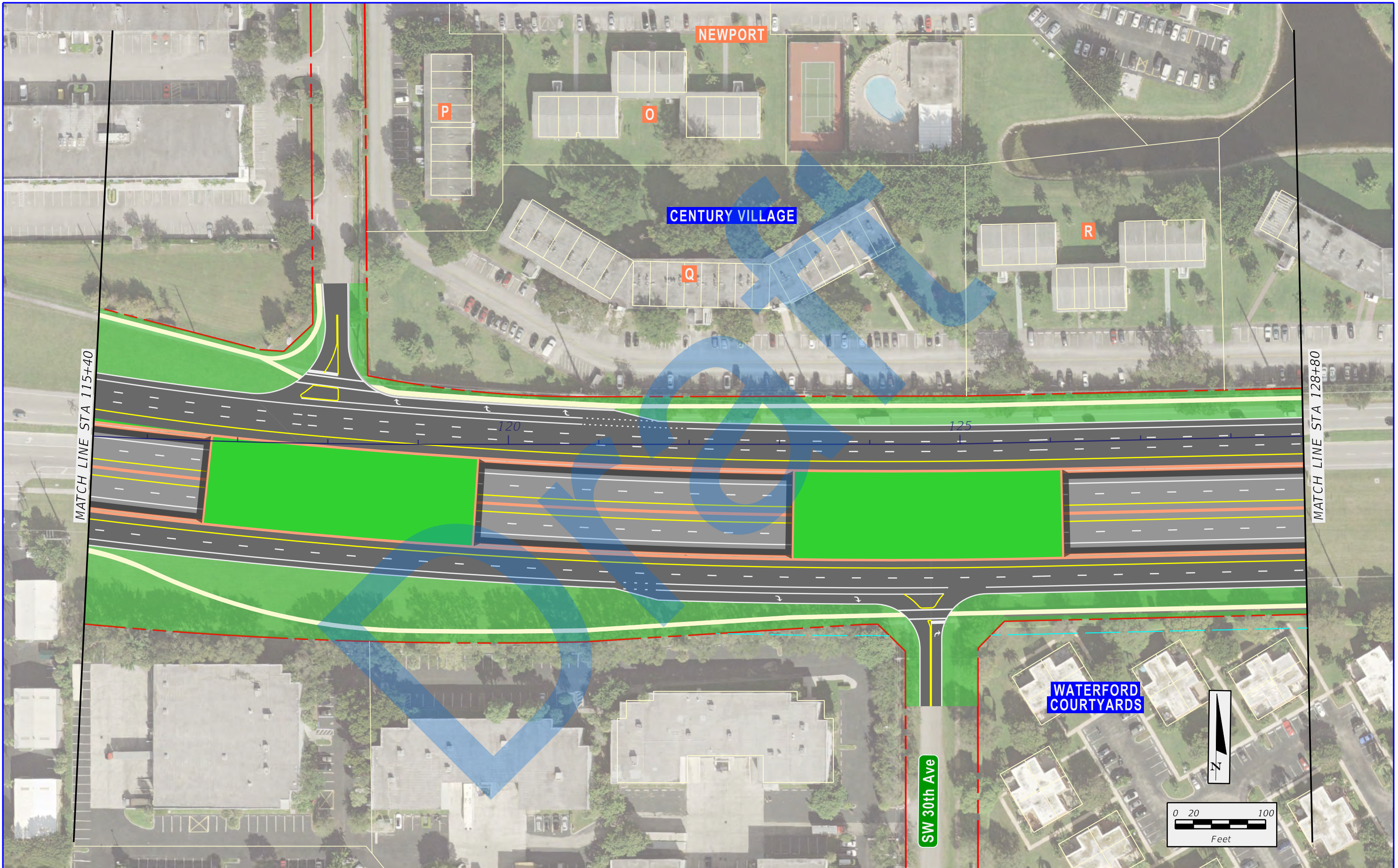
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

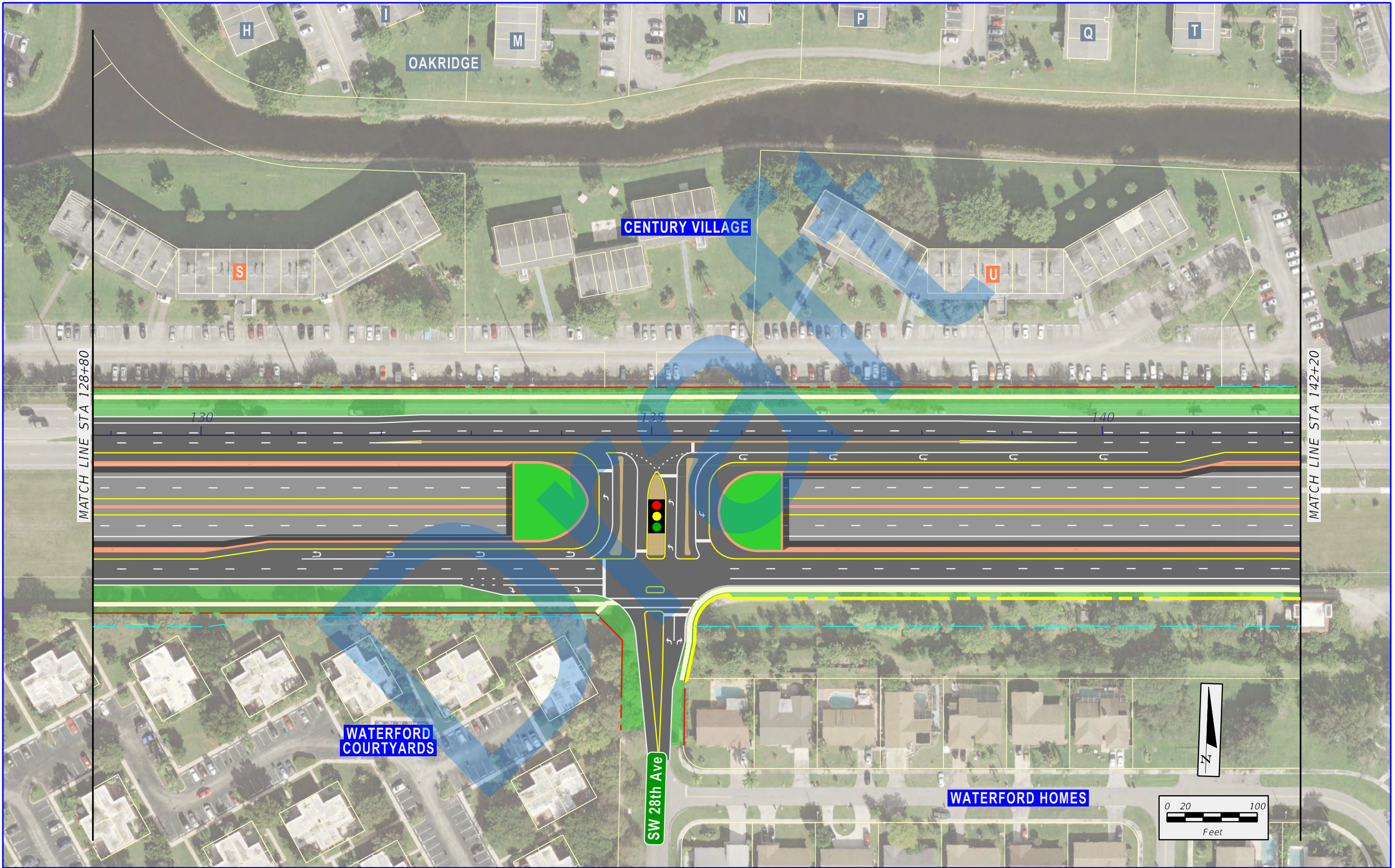
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- LIMITED ACCESS RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY

- LEGEND
- PROPOSED DEPRESSED MANAGED LANES
 - PROPOSED LOCAL SW 10TH ST
 - PROPOSED 2ND LEVEL BRIDGE
 - PROPOSED 3RD LEVEL BRIDGE
 - PROPOSED 4TH LEVEL BRIDGE
 - TEMPORARY EASEMENT
 - PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
ALTERNATIVE

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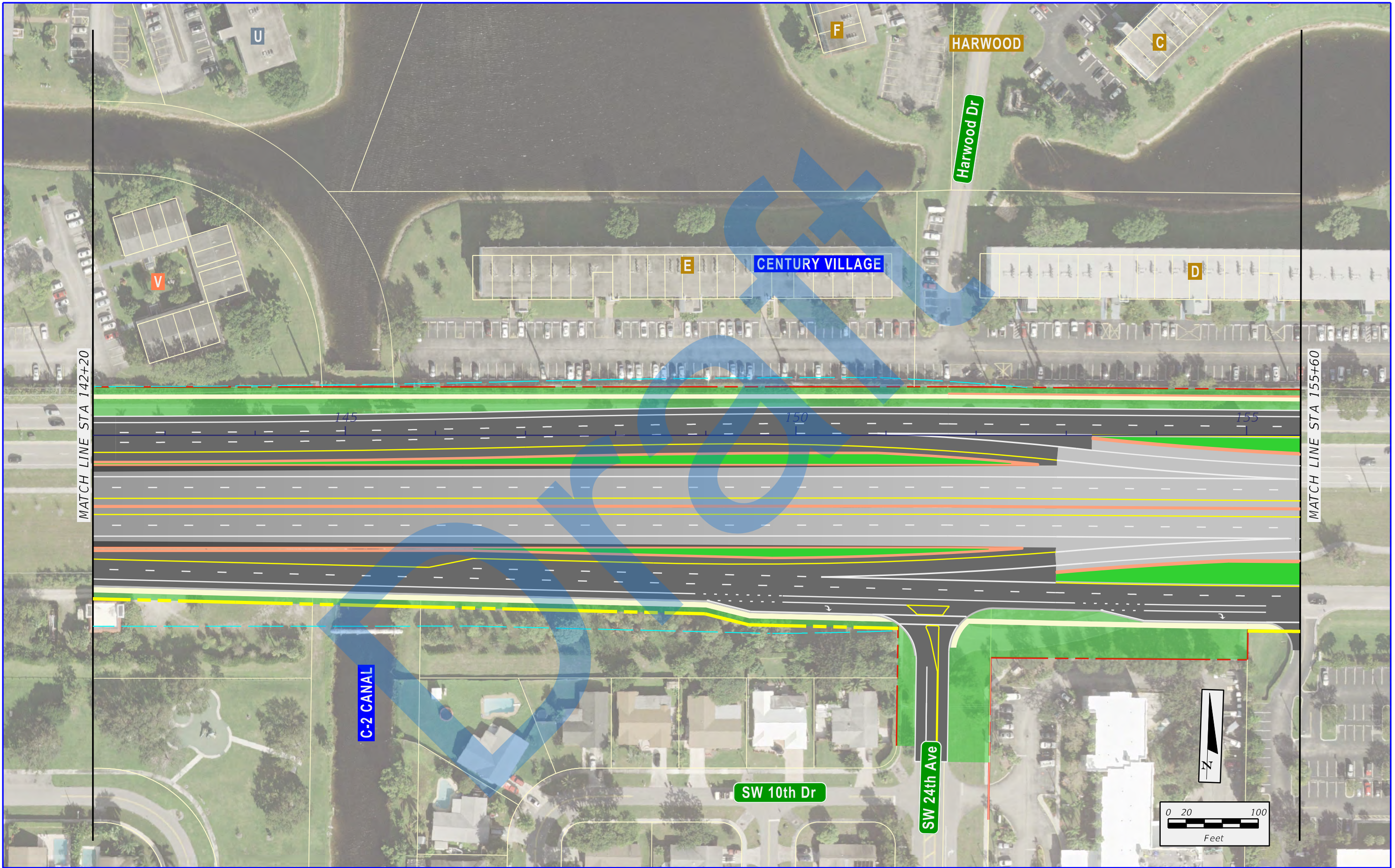
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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
	EXISTING RIGHT-OF-WAY		PROPOSED DEPRESSED MANAGED LANES
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

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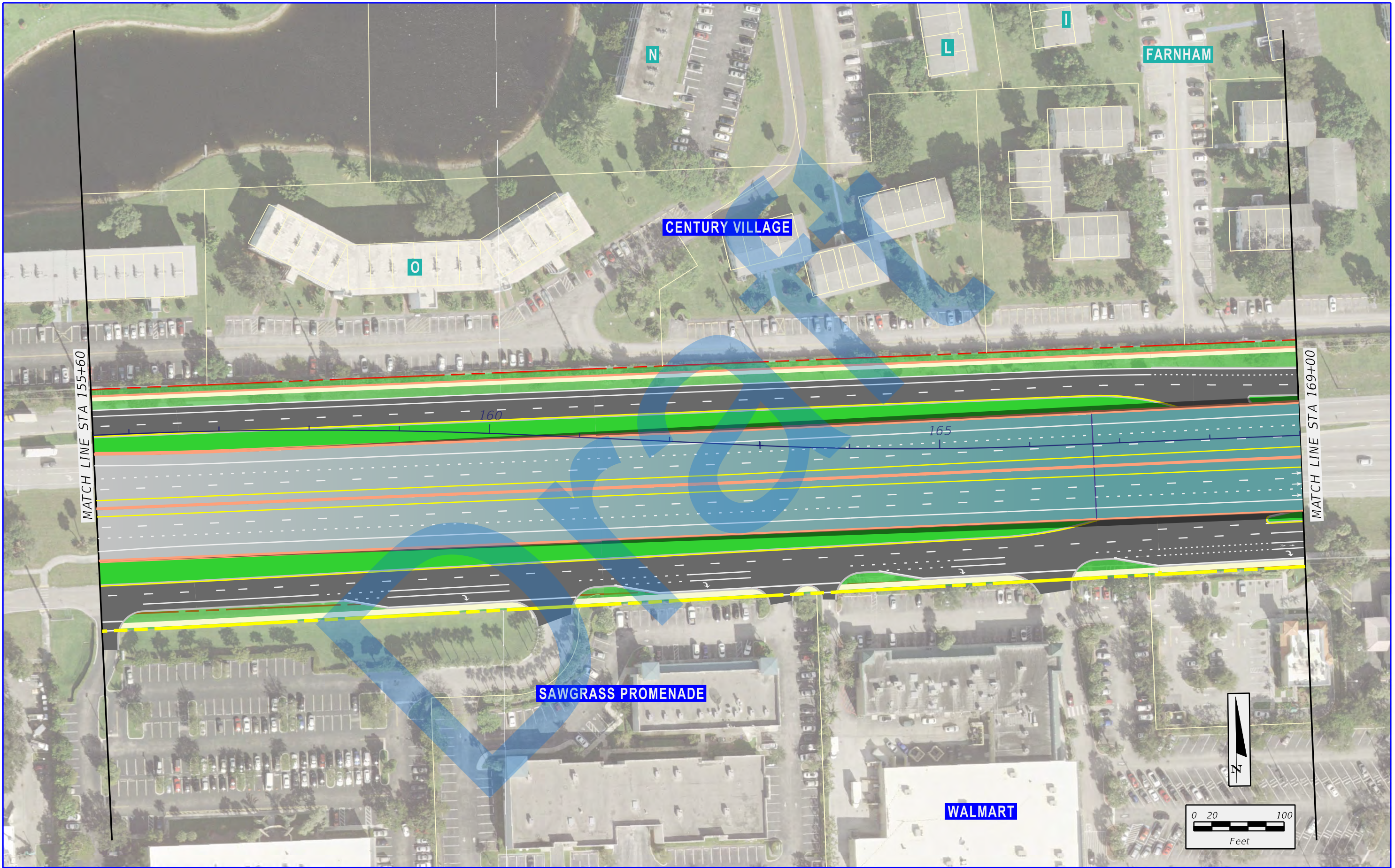
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Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
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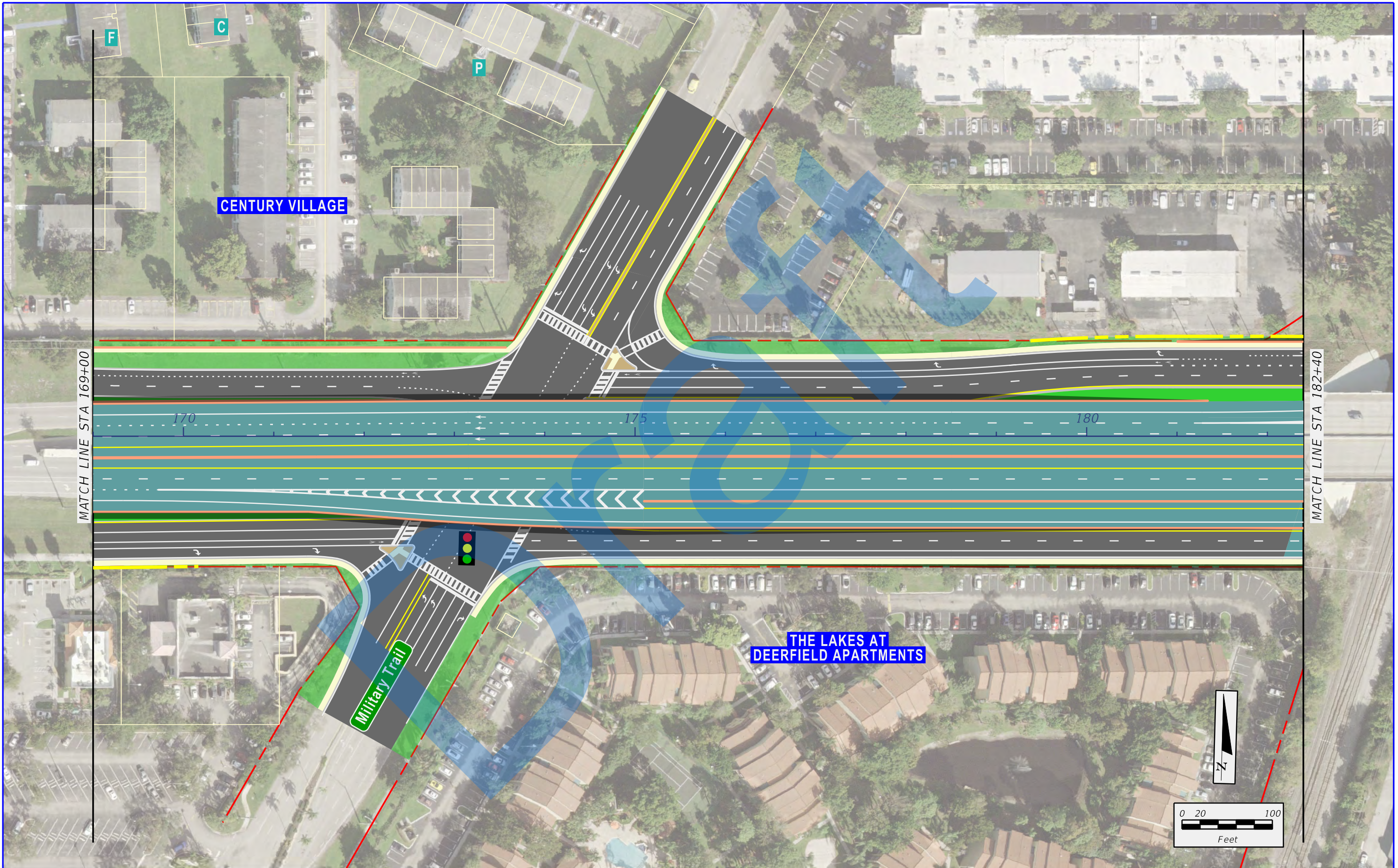
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

APPENDIX A
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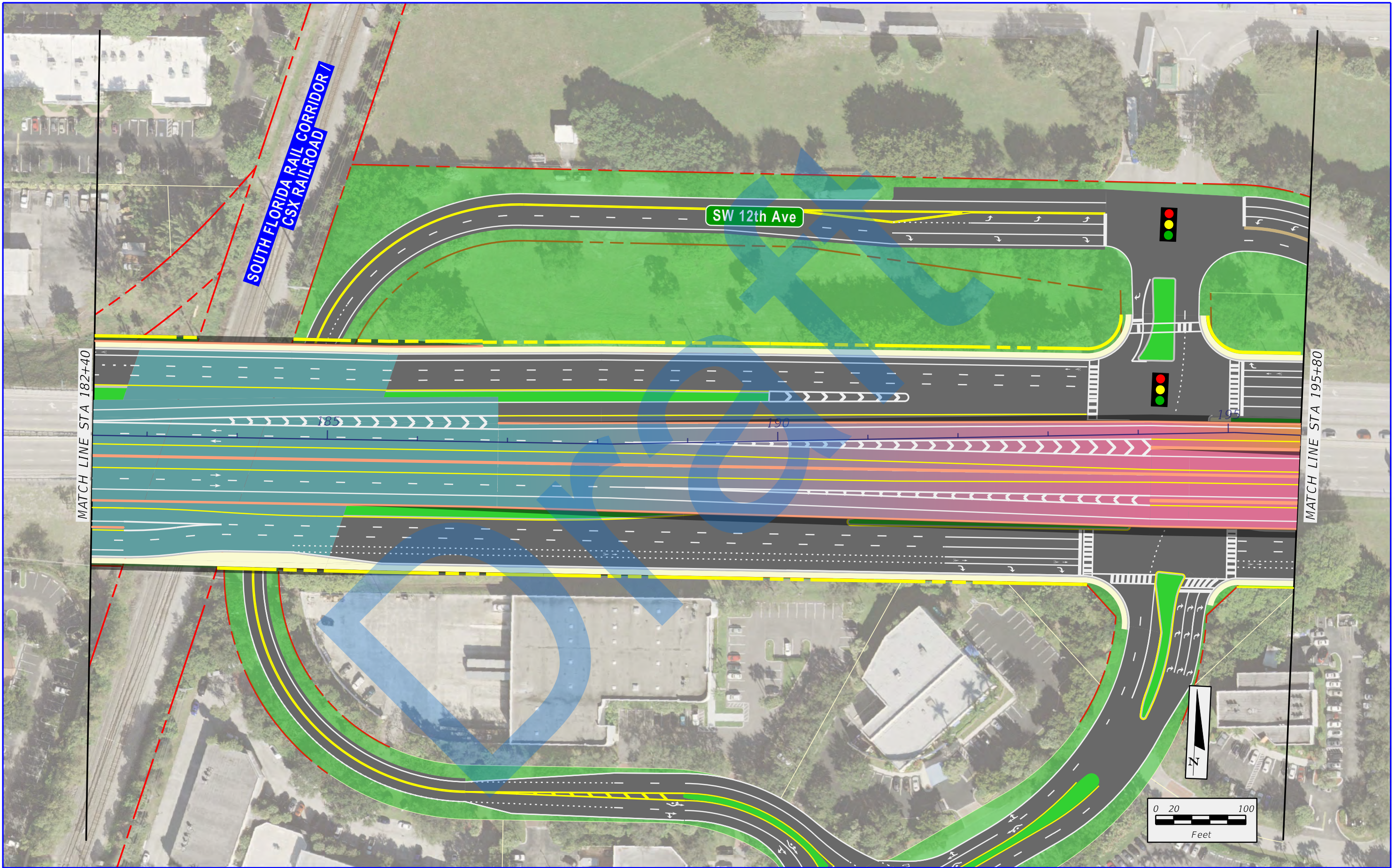


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Financial Project ID: 439891-1-22-02, ETDM No: 14291

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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

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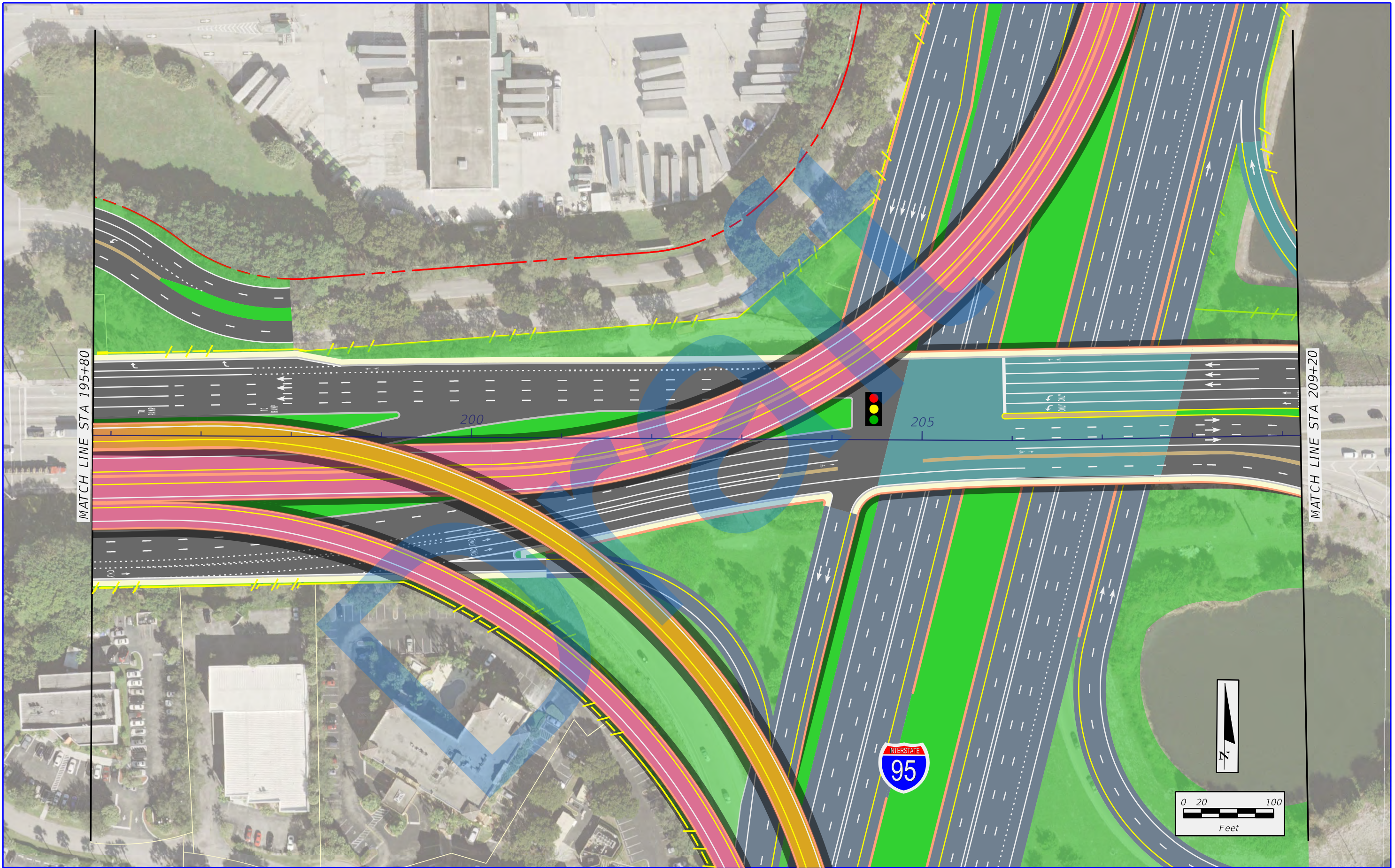
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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
ALTERNATIVE

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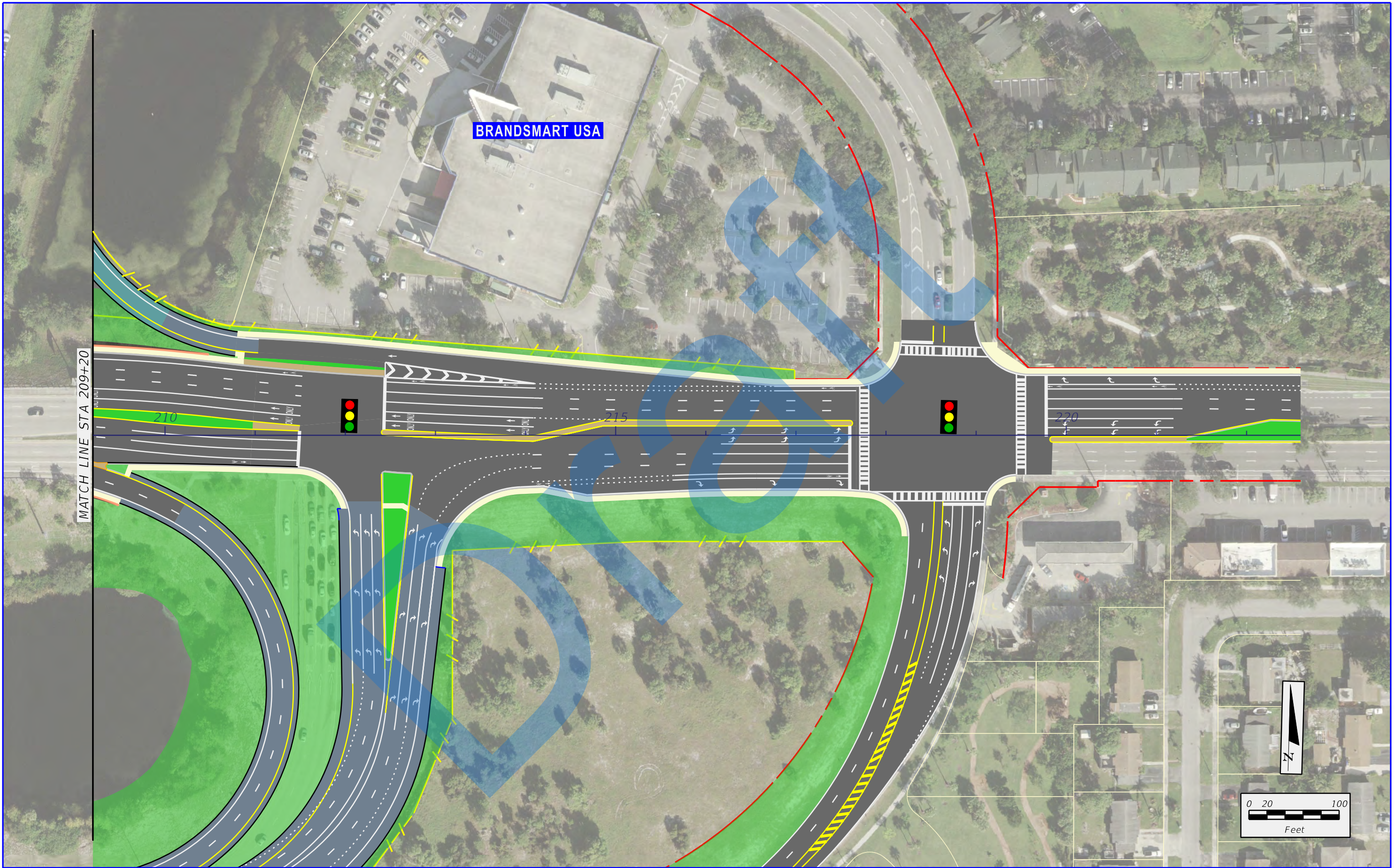
SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95
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	EXISTING PARCEL LINES		PROPOSED 2ND LEVEL BRIDGE
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
ALTERNATIVE

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED TRAFFIC SIGNAL

APPENDIX A
CENTER ALIGNMENT
ALTERNATIVE

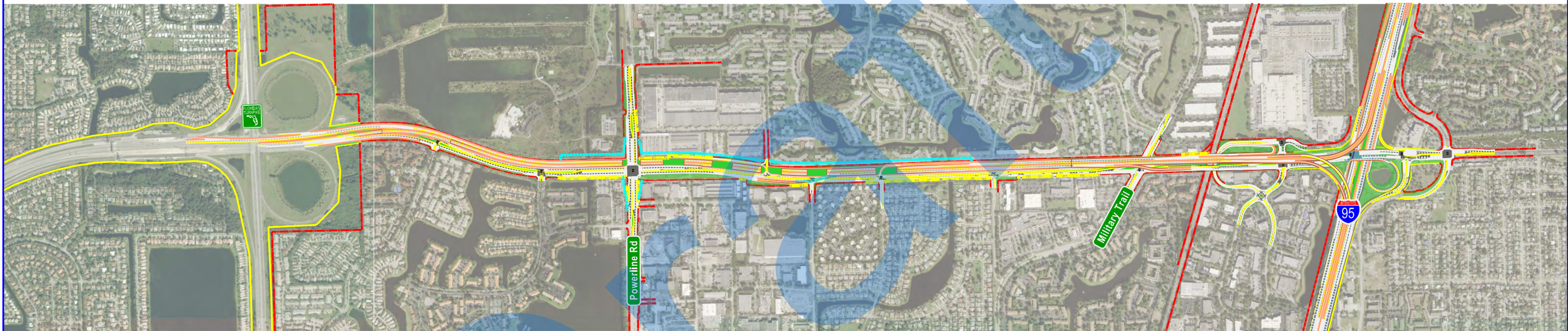
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Appendix B

Tier 2 Alternatives

Draft

APPENDIX B - TIER 2 ALTERNATIVES



**SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291**

Financial Project ID: 439891-1-22-02
ETDM No: 14291

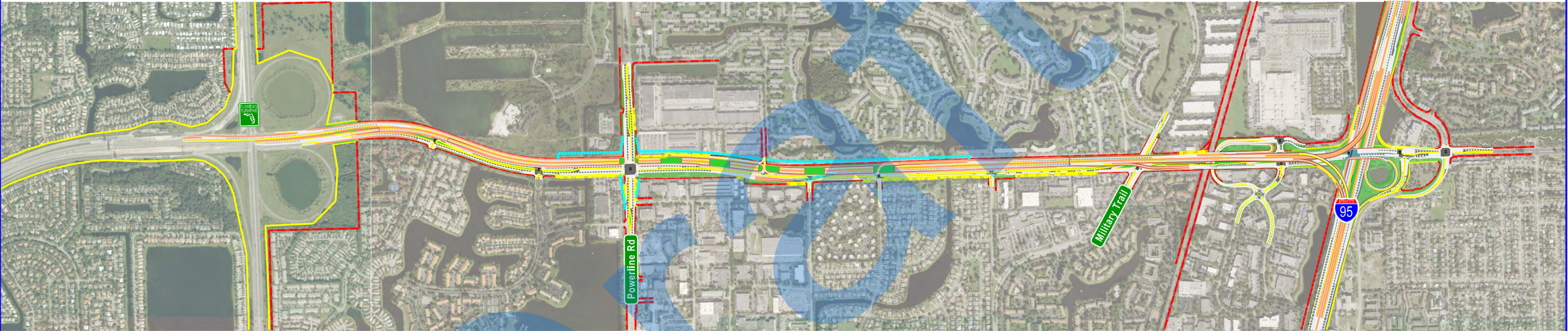


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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APPENDIX B - TIER 2 ALTERNATIVES



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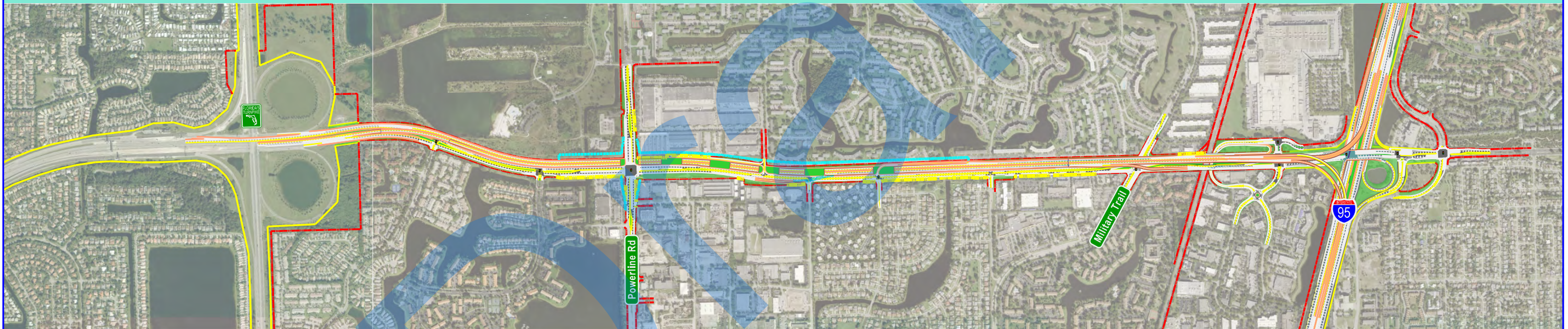
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NON-DEPRESSED / NO MANAGED LANE ACCESS ALTERNATIVE
FULL DEPRESSED PROFILE
DEPRESSED WESTBOUND EXIT RAMP PROFILE
DEPRESSED EASTBOUND MANAGED LANES PROFILE
DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES PROFILE
NON-DEPRESSED / NO MANAGED LANE ACCESS PROFILE



SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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FULL DEPRESSED ALTERNATIVE

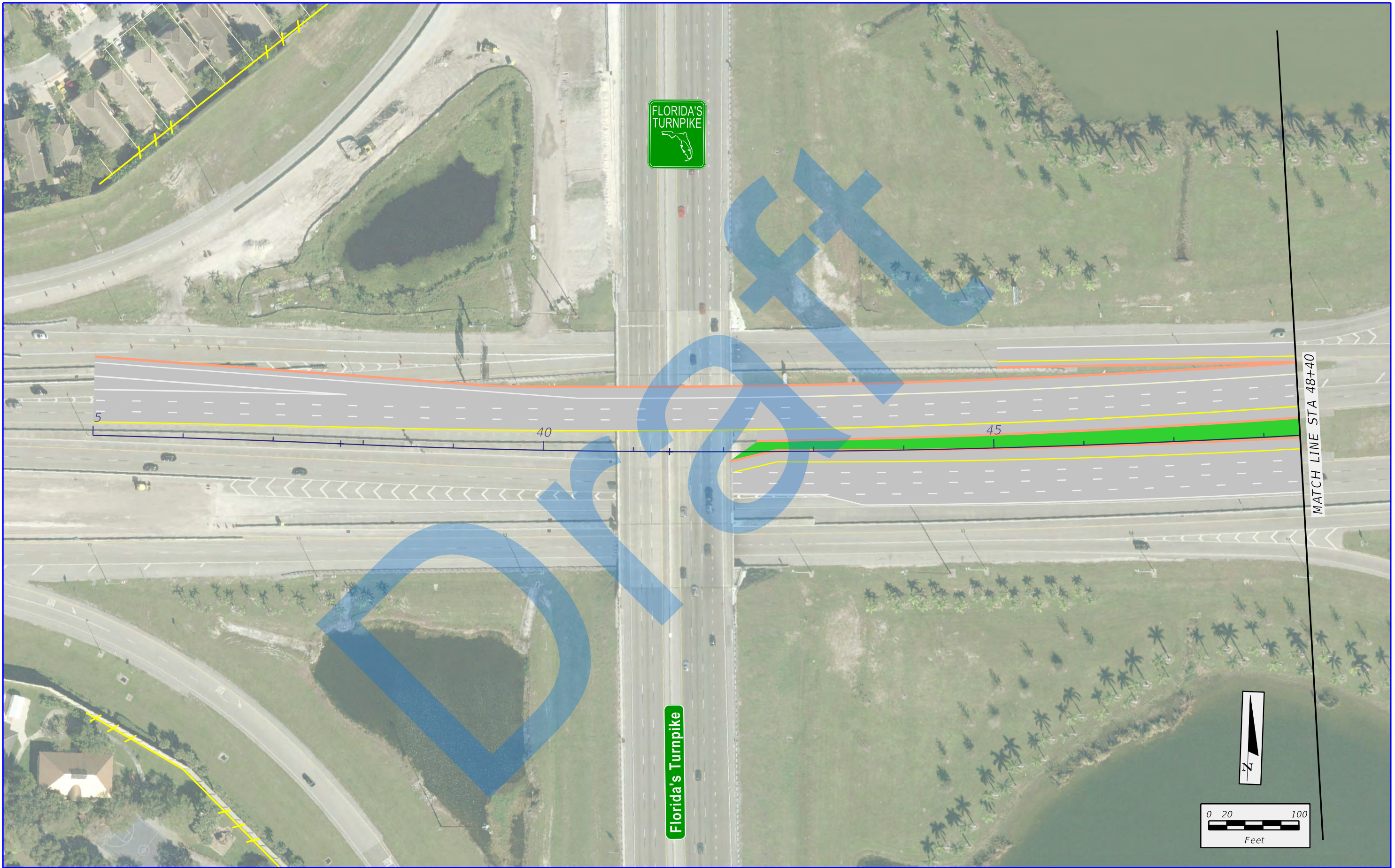


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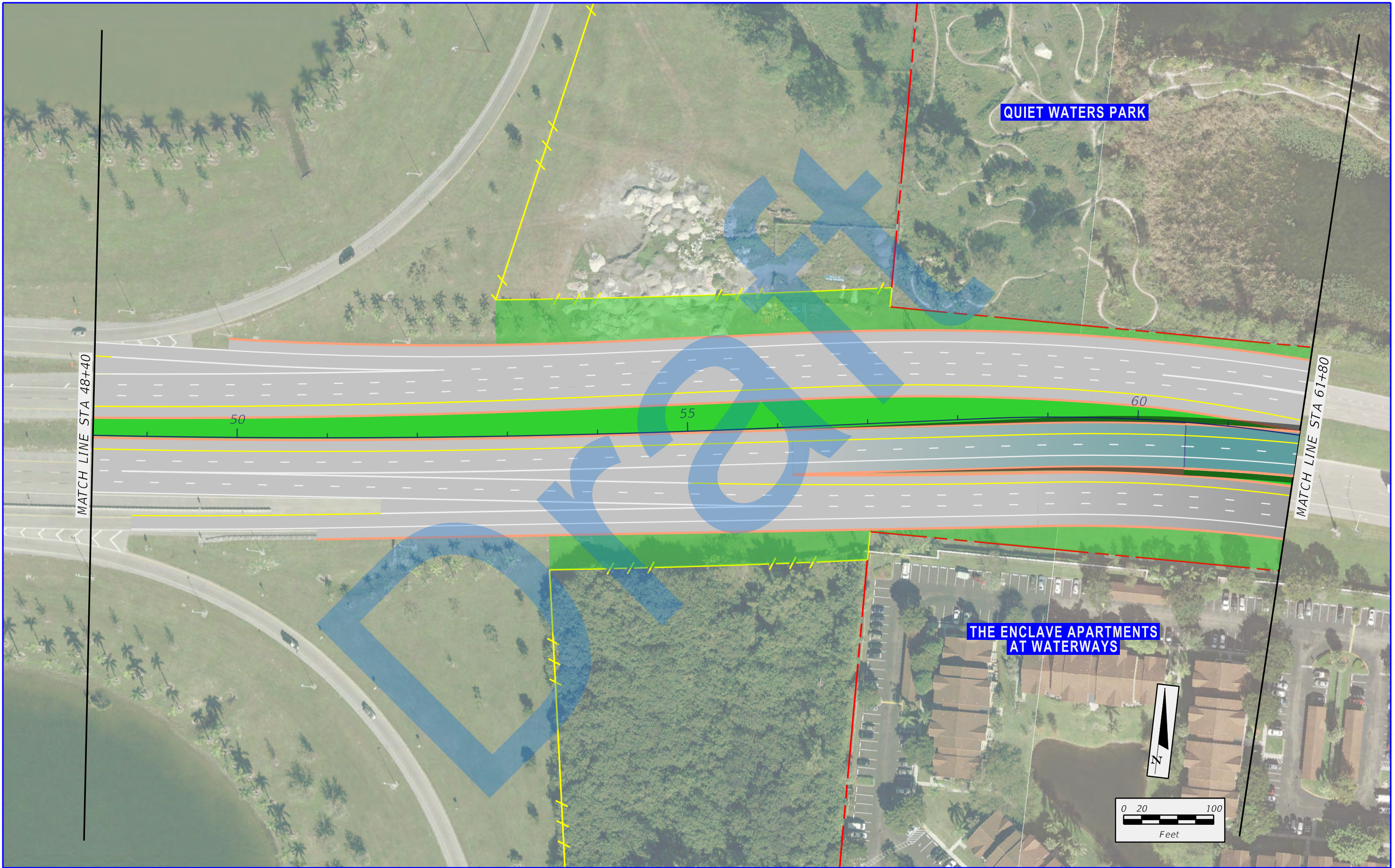
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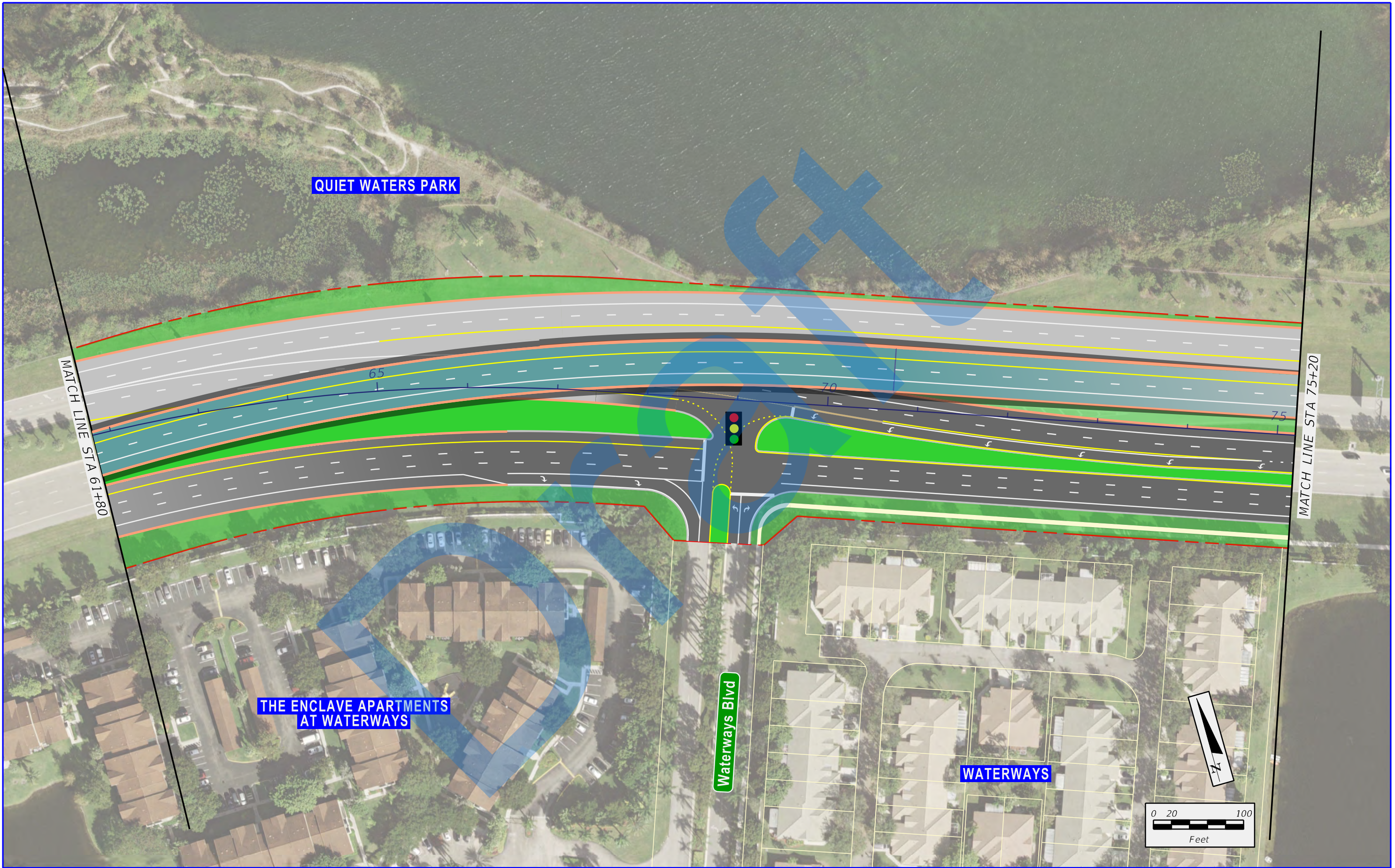
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-1			

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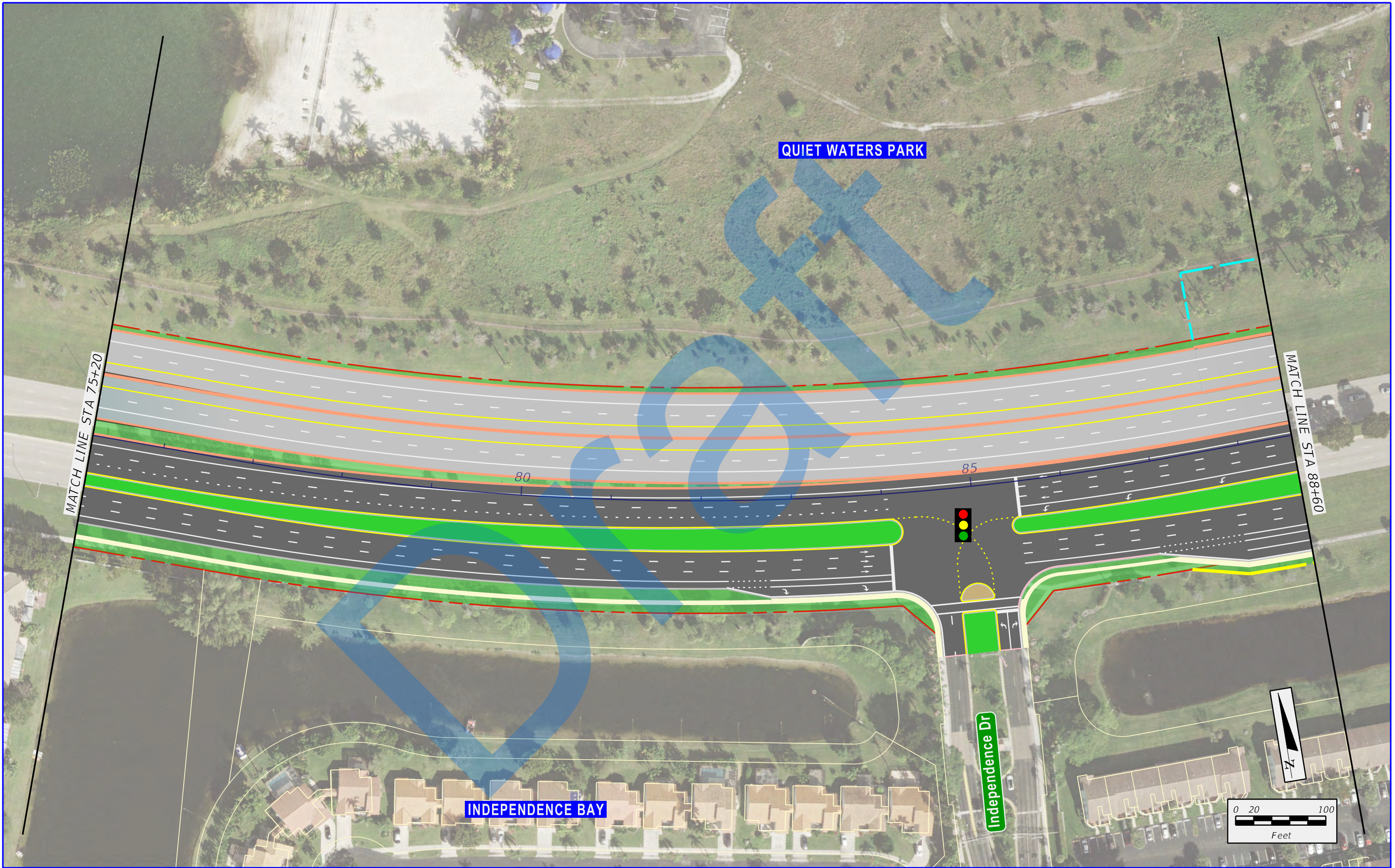
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-2			

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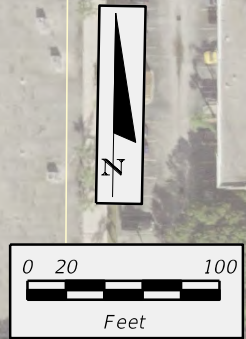
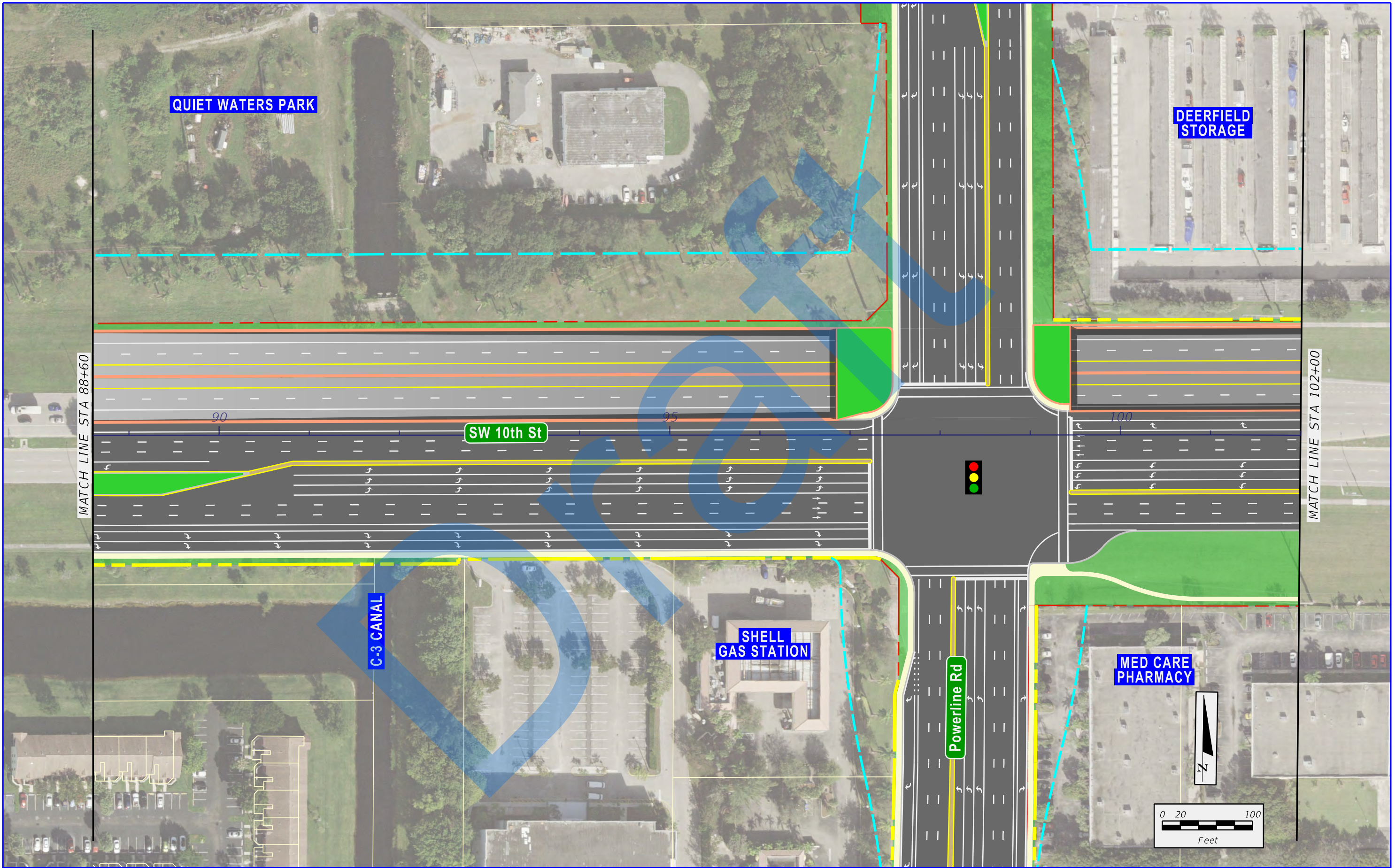
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Financial Project ID: 439891-1-22-02, ETDM No: 14291

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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B
FULL DEPRESSED
ALTERNATIVE

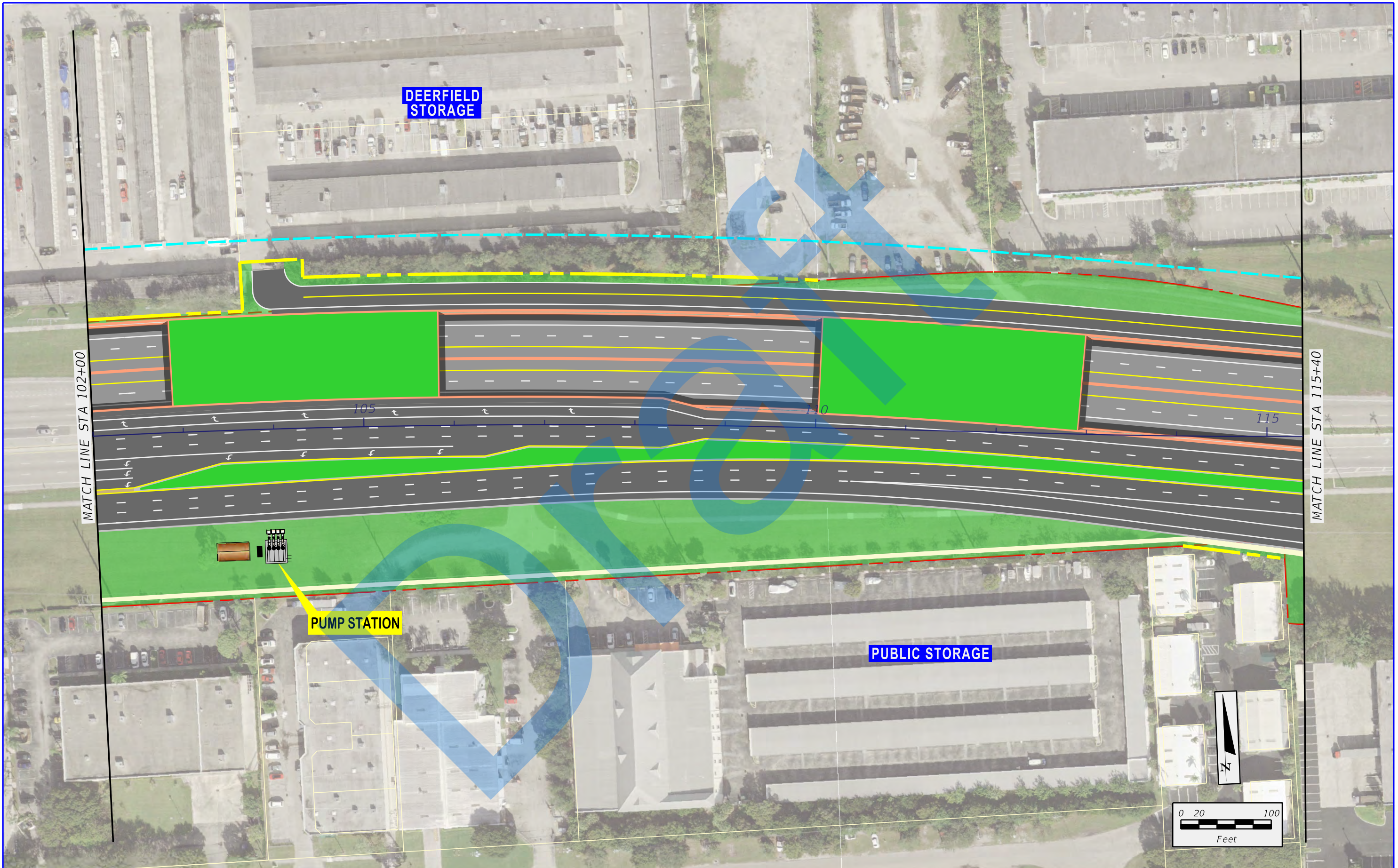
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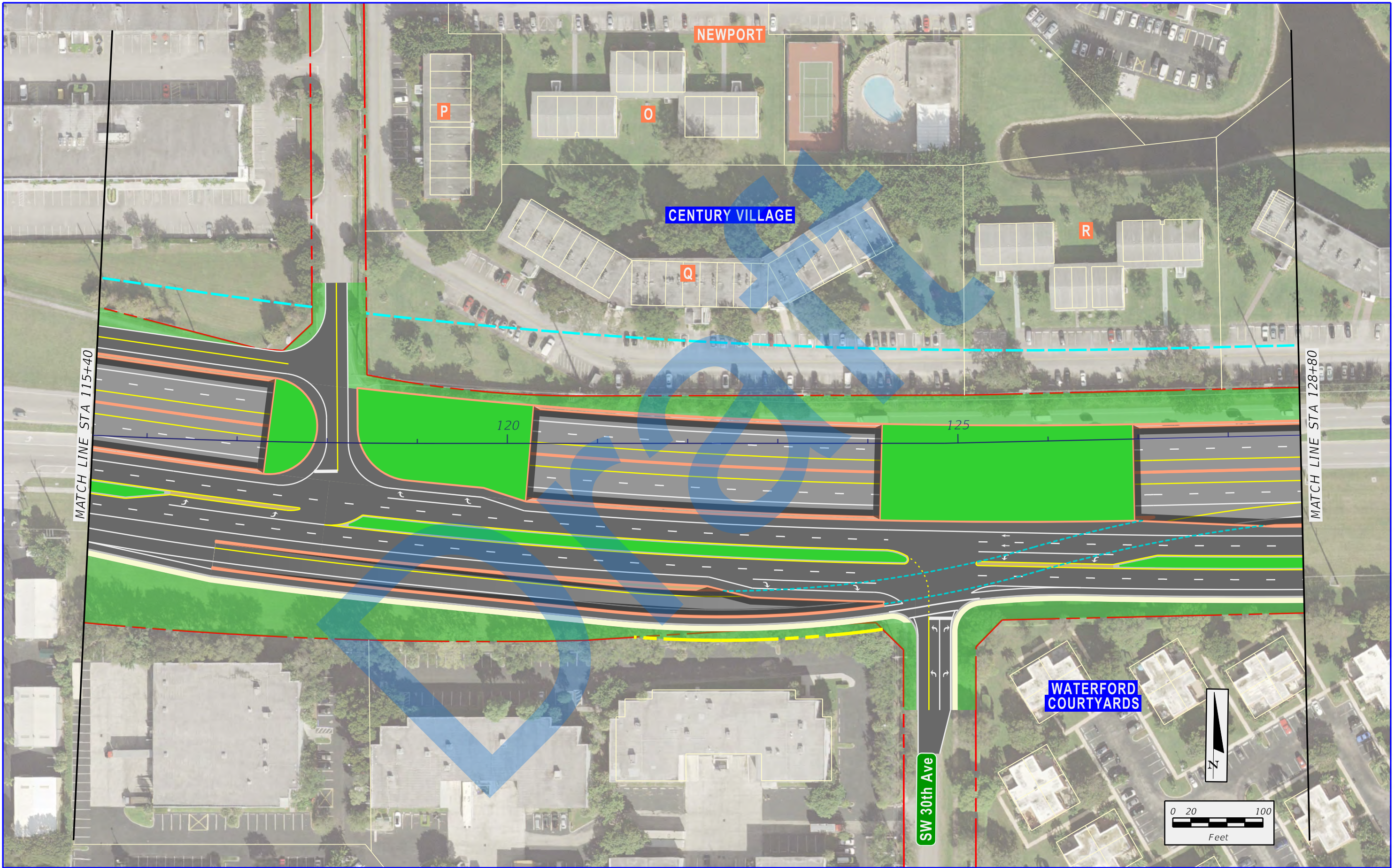
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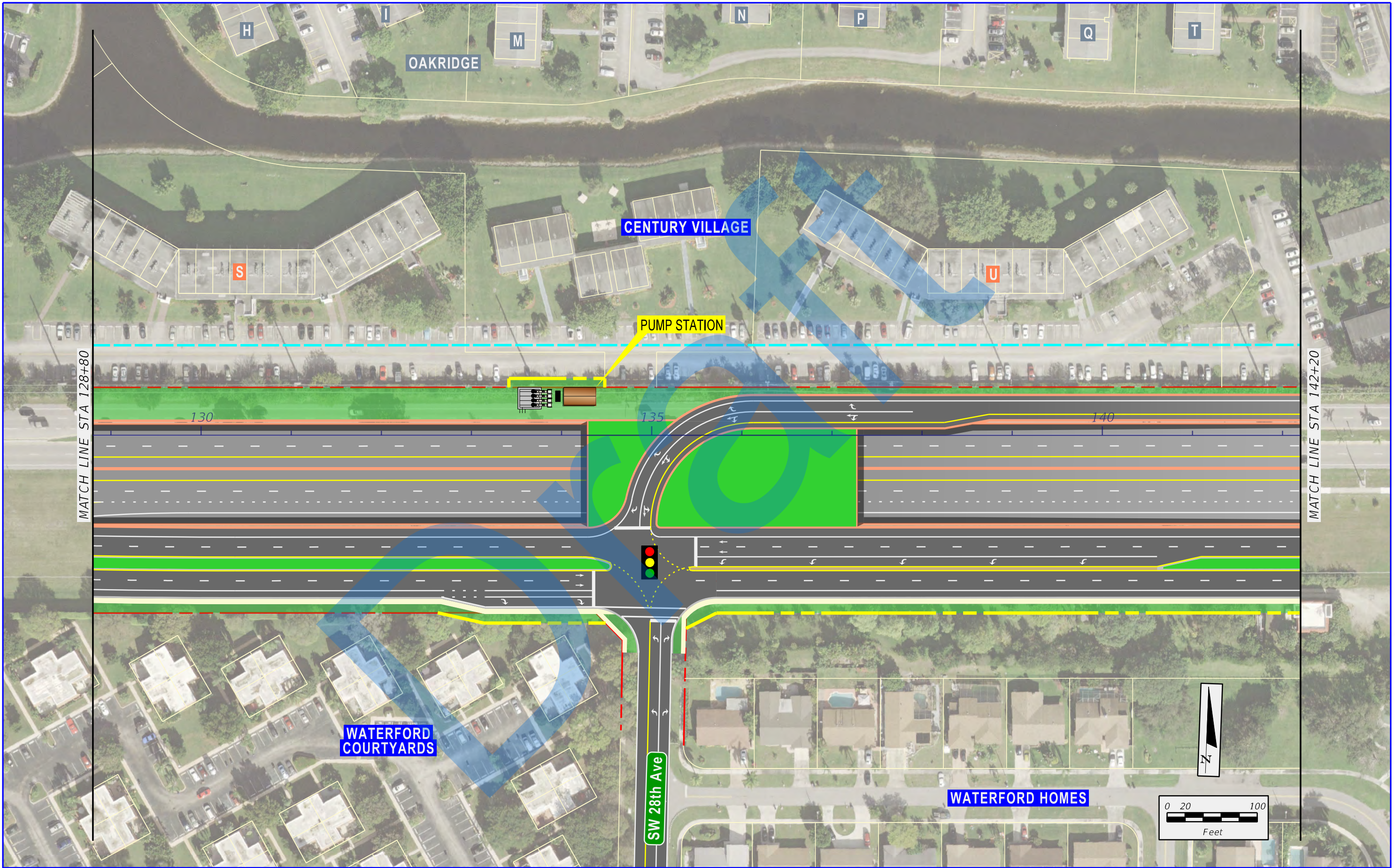
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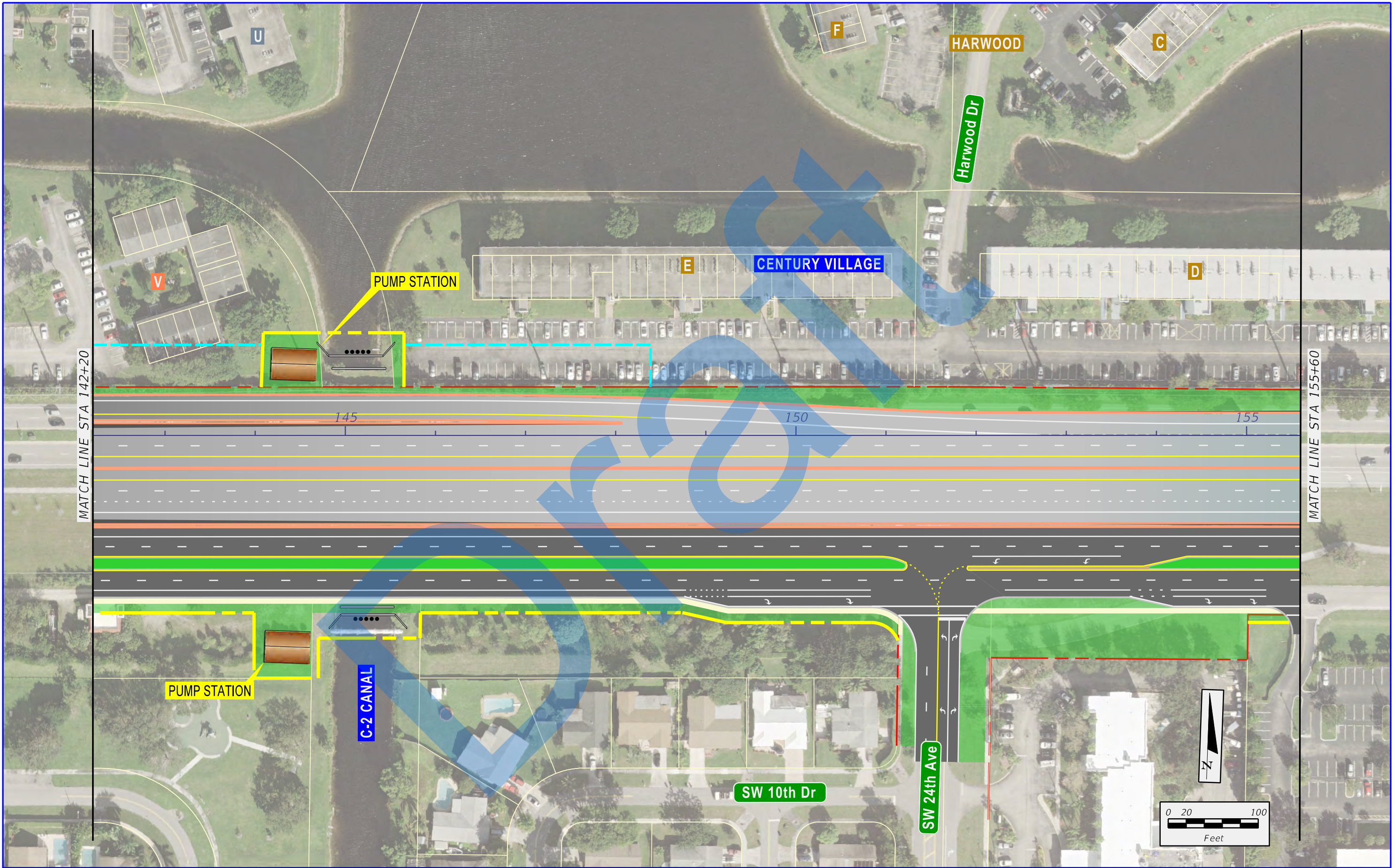
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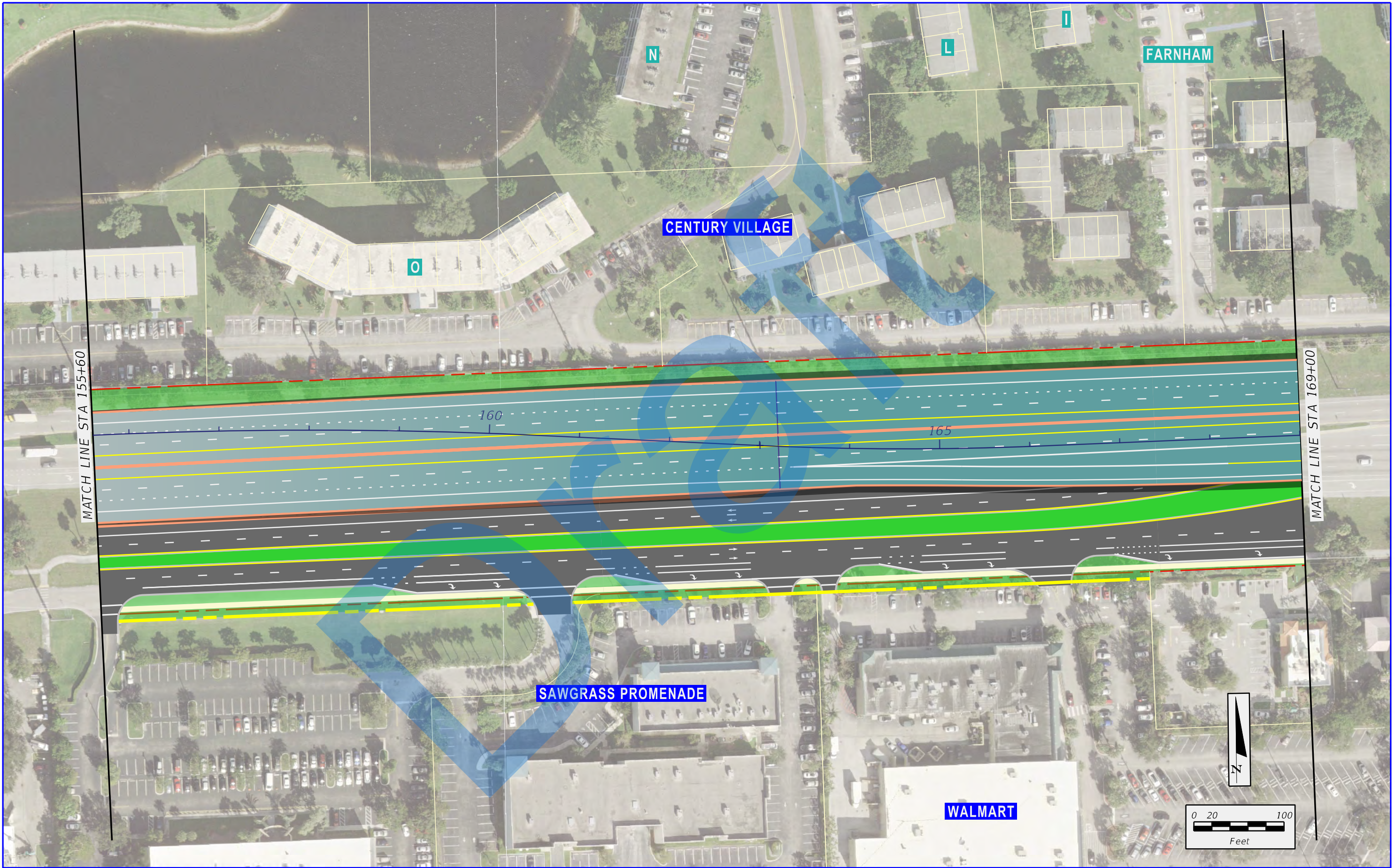
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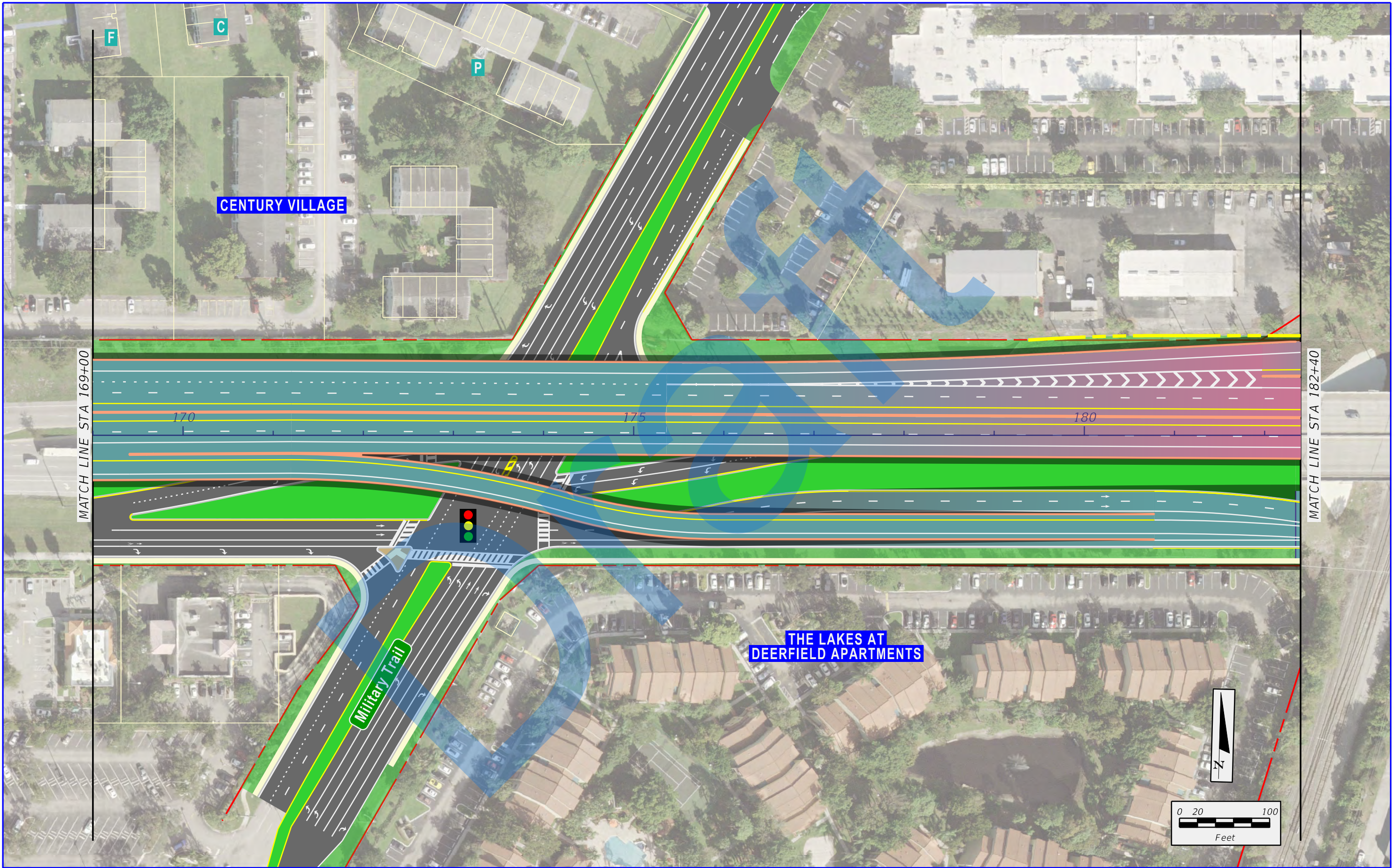
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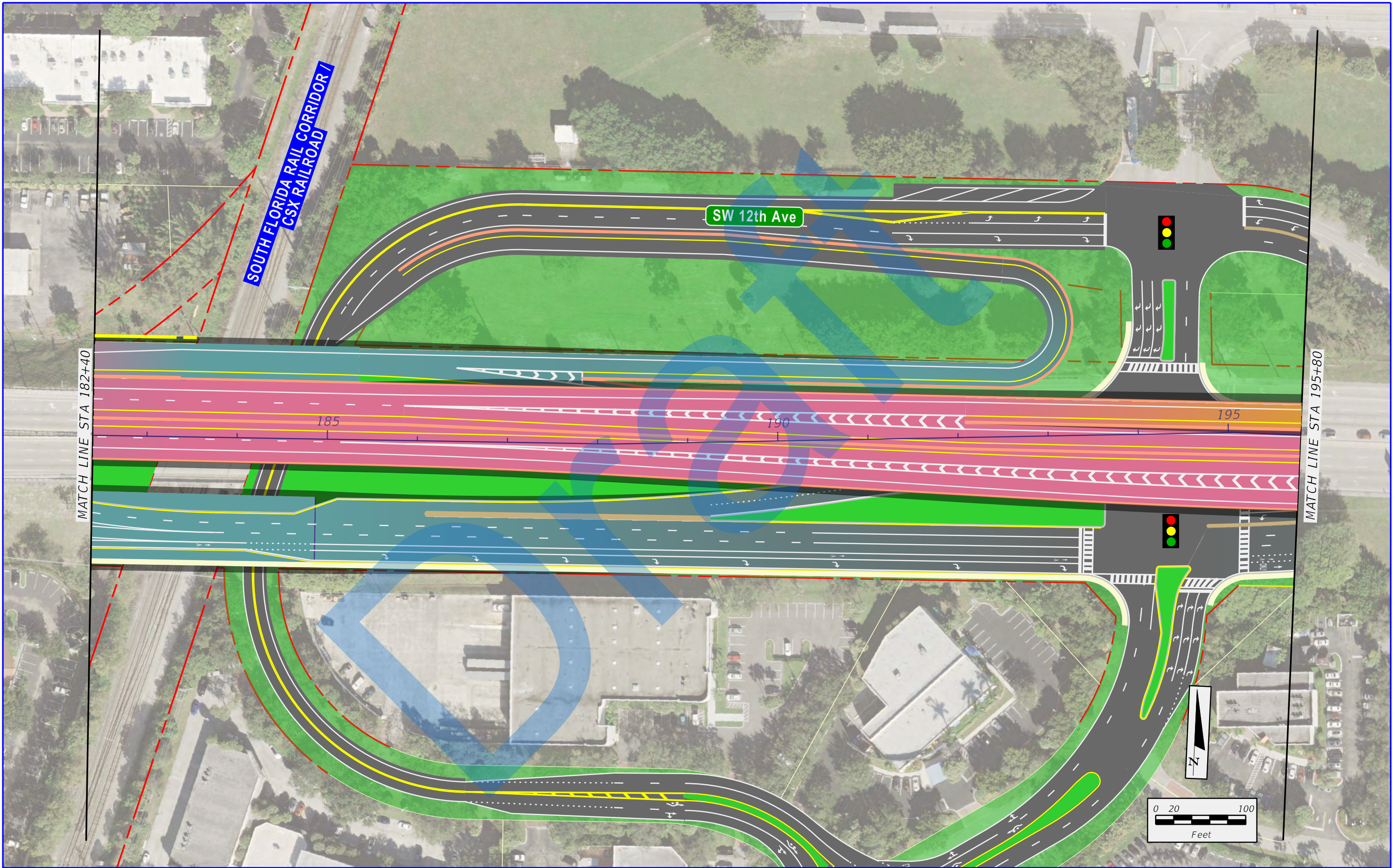
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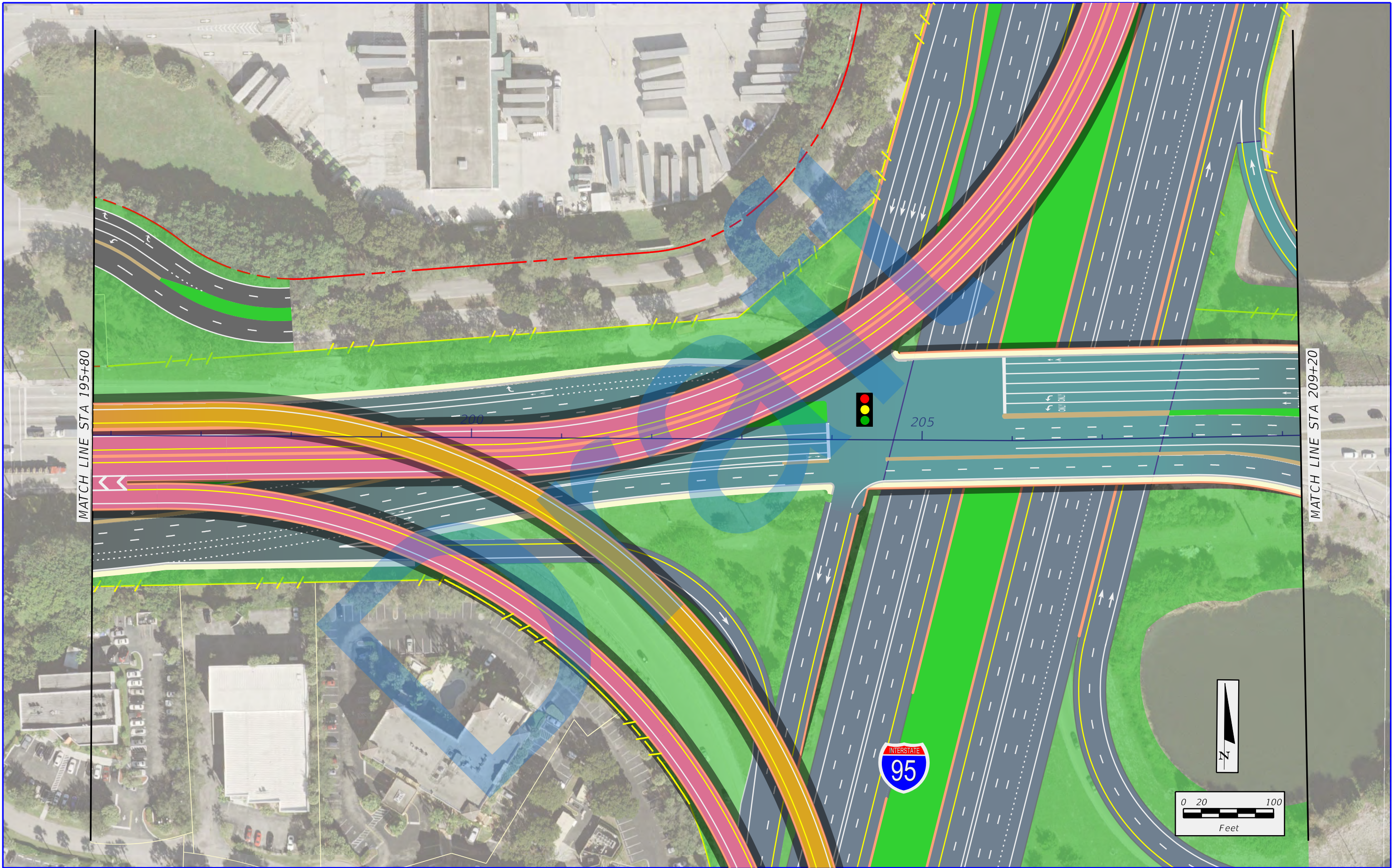
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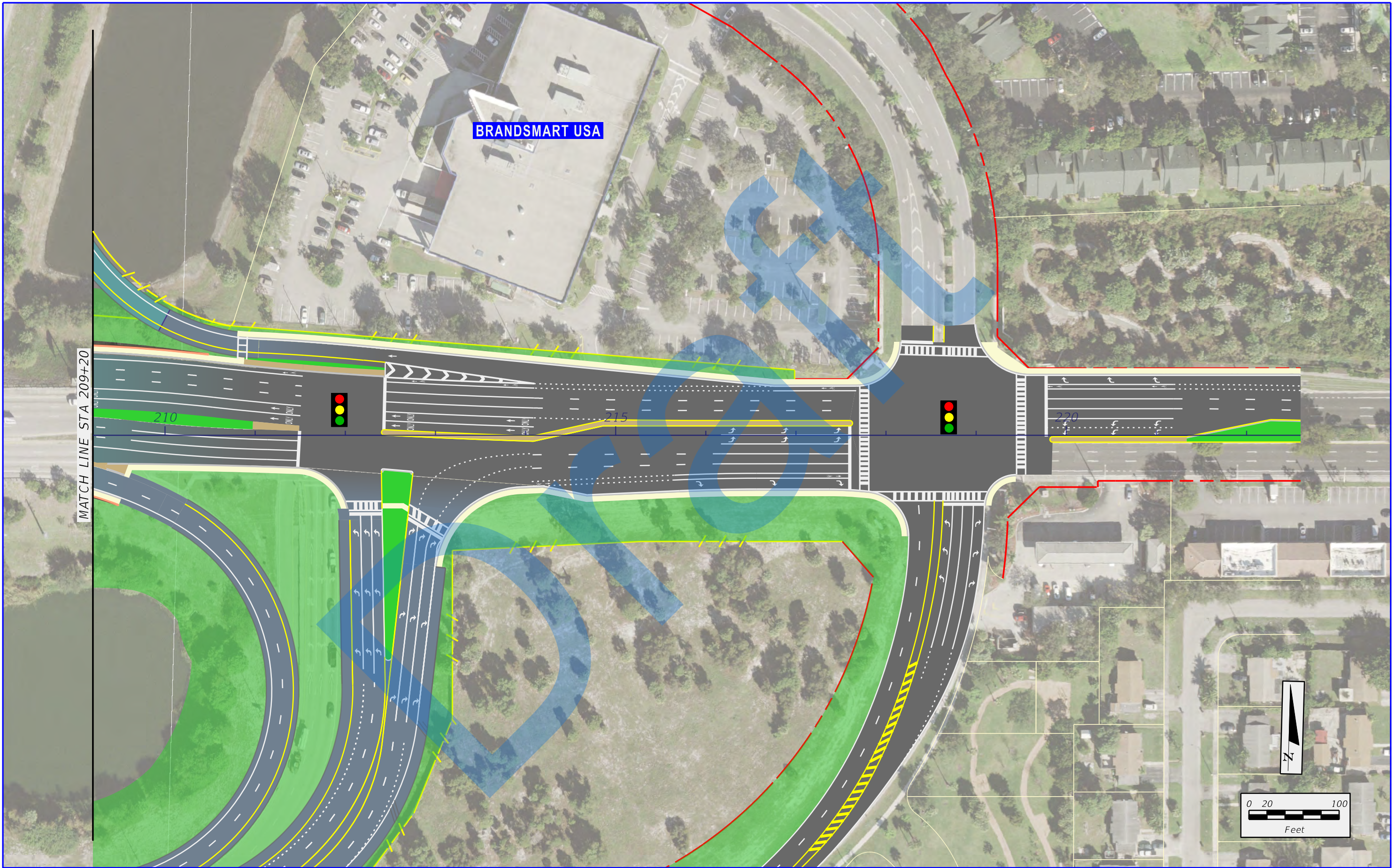
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX B FULL DEPRESSED ALTERNATIVE	SHEET NO. B-12
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

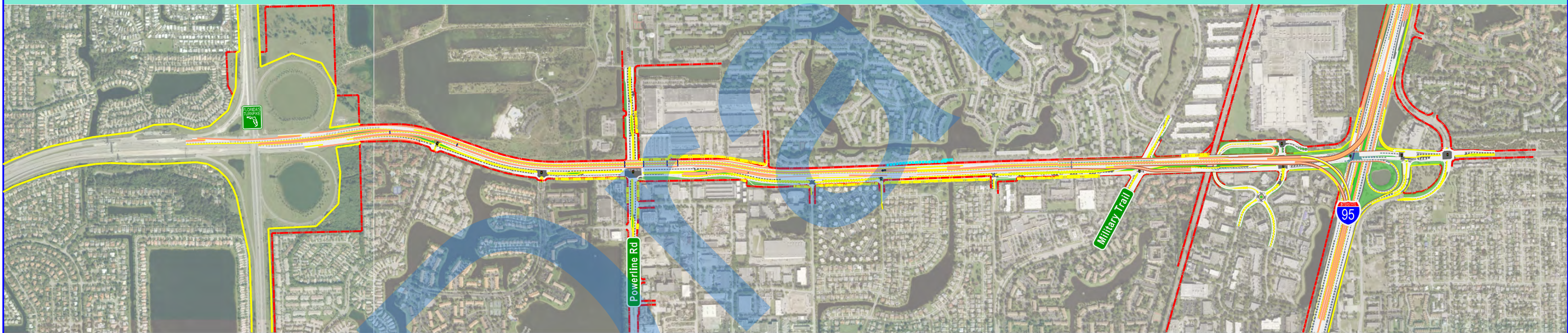
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

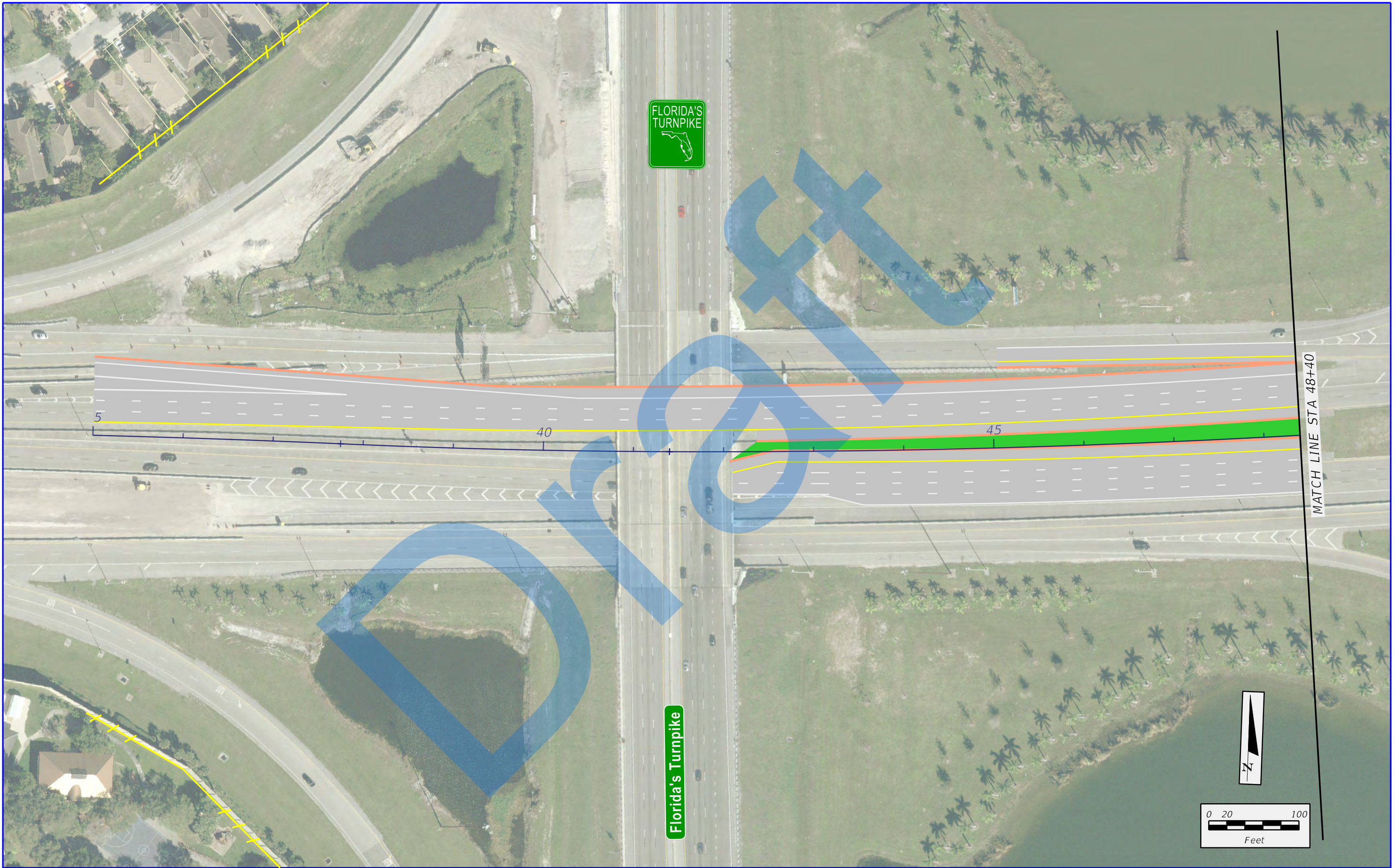
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DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE

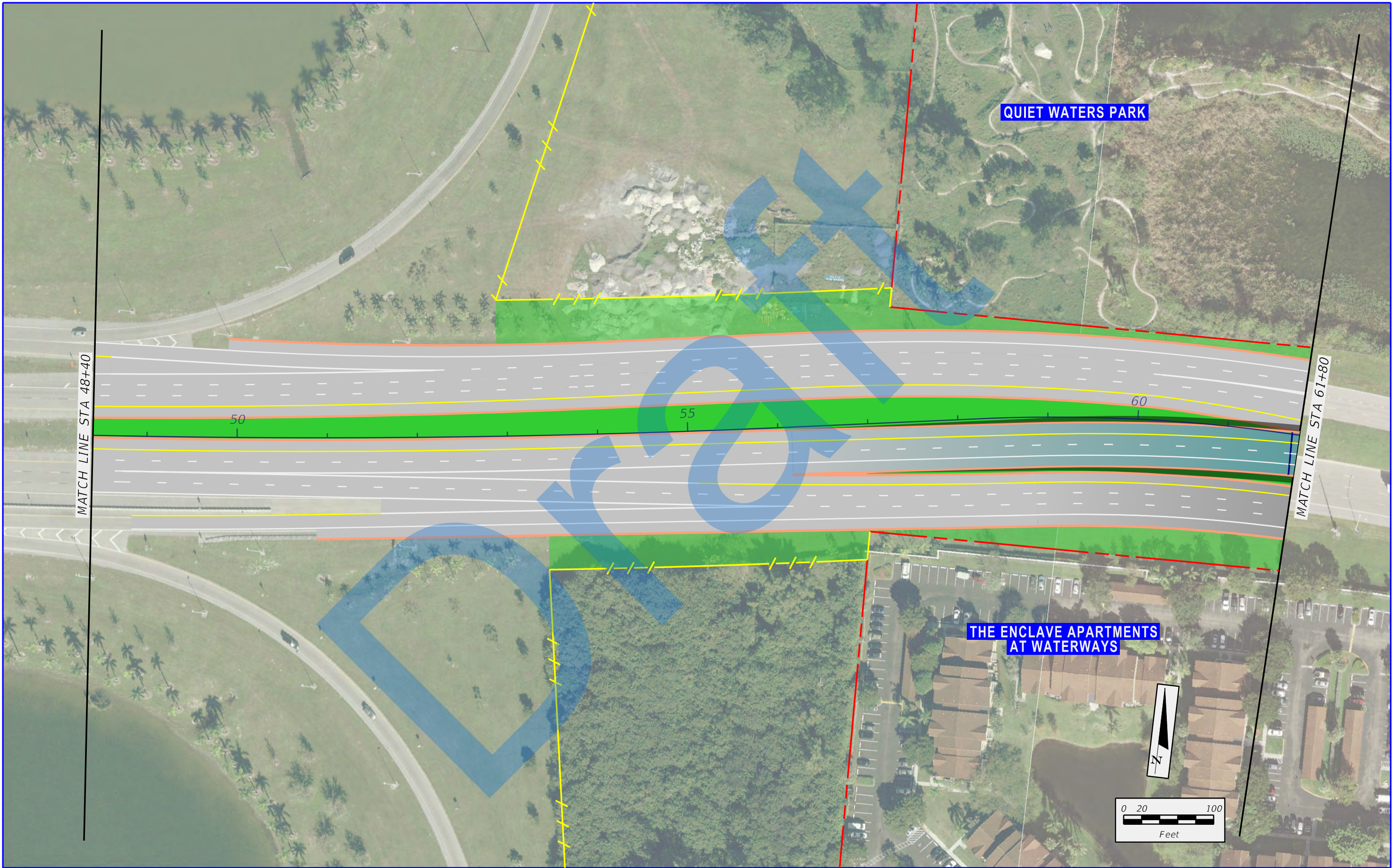


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND				 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE					B-15



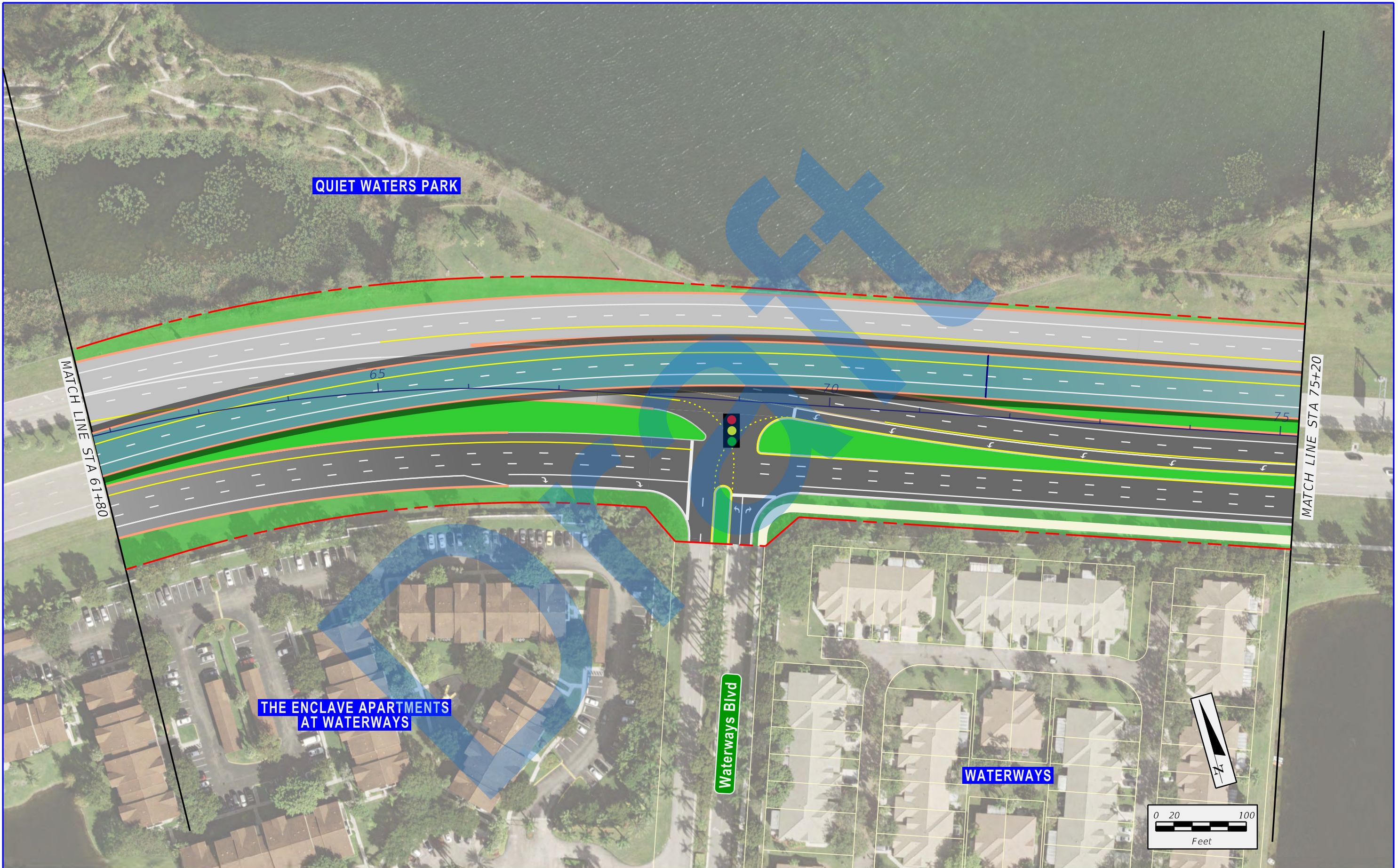
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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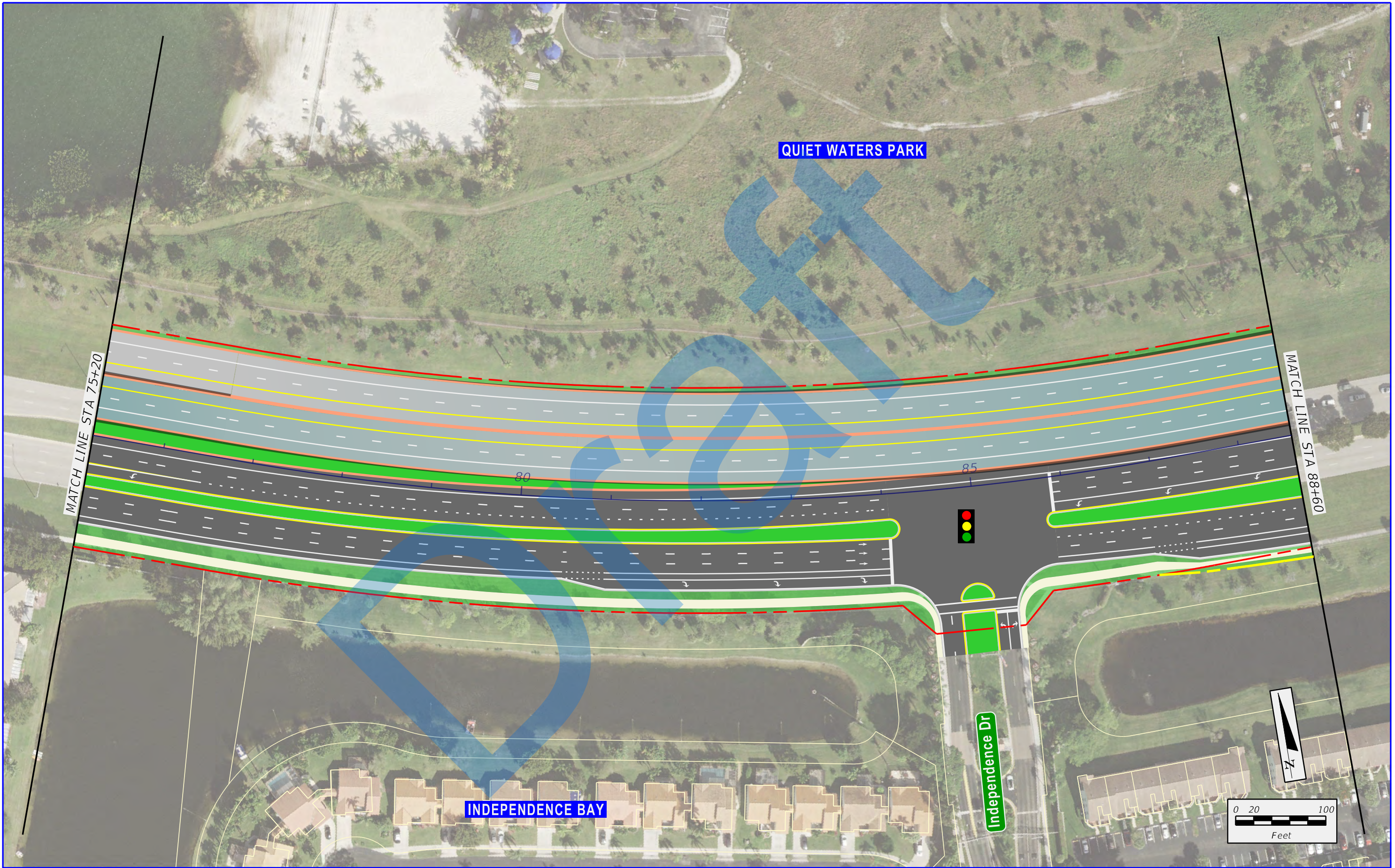
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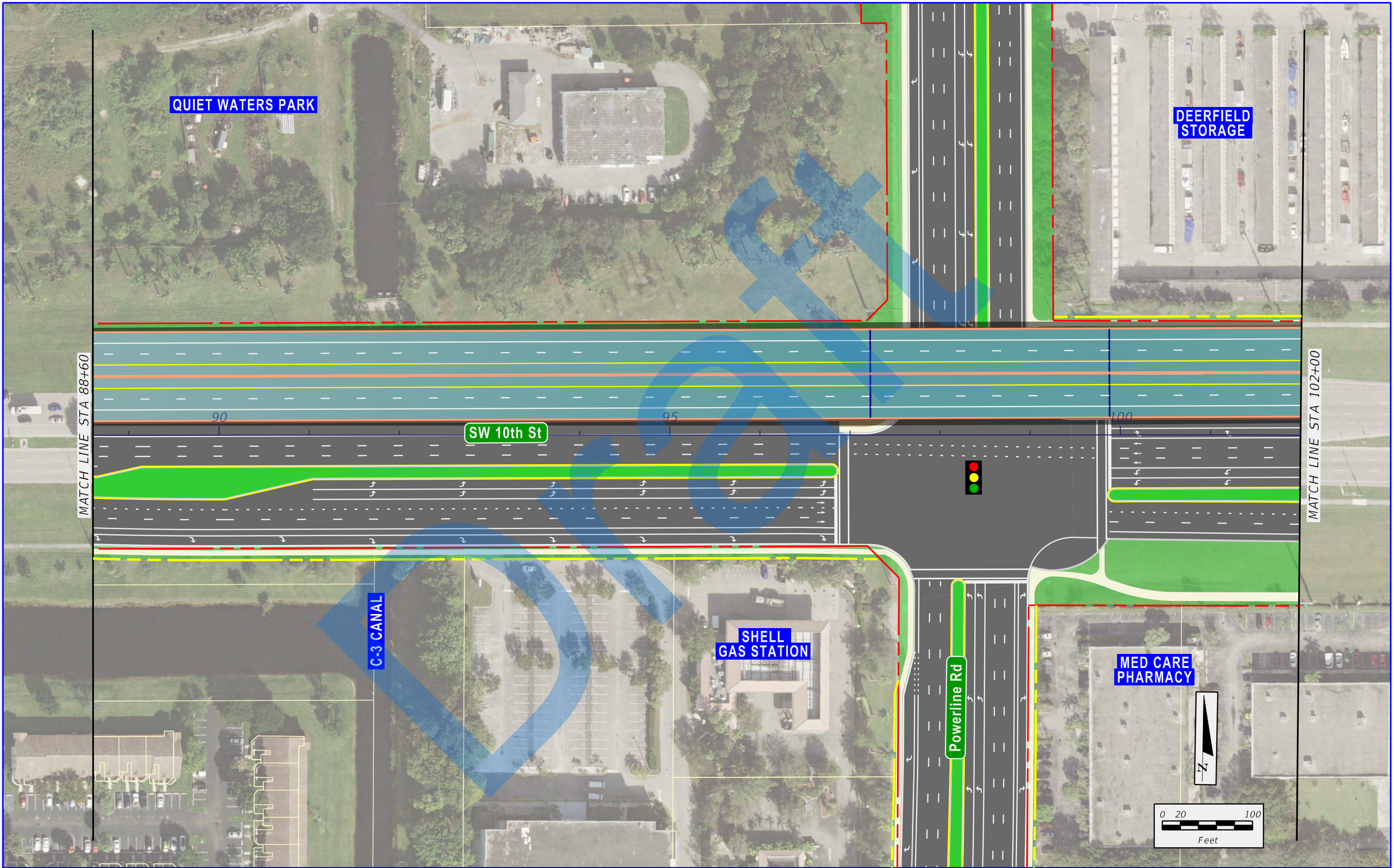
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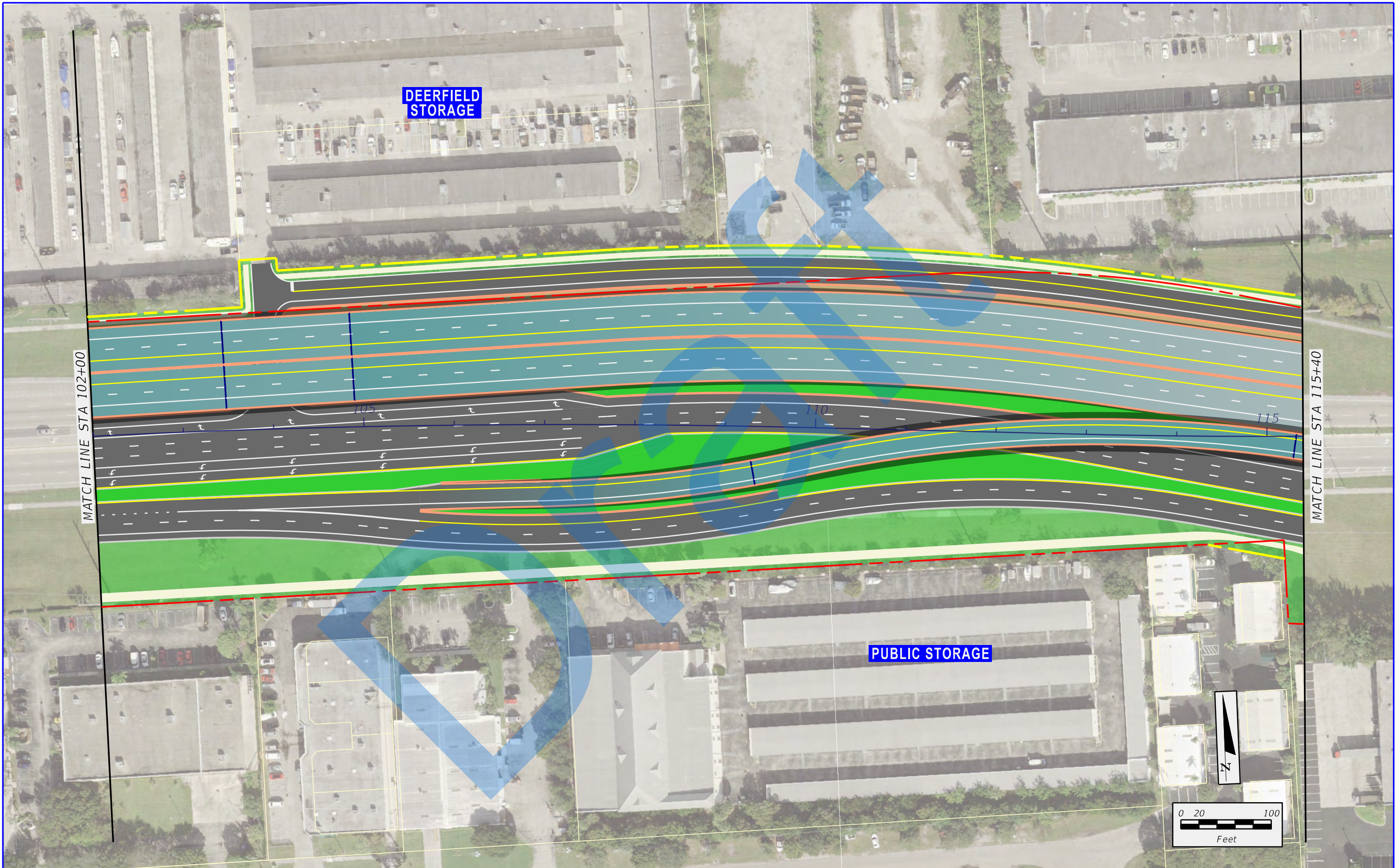
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE	SHEET NO. B-18
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE				

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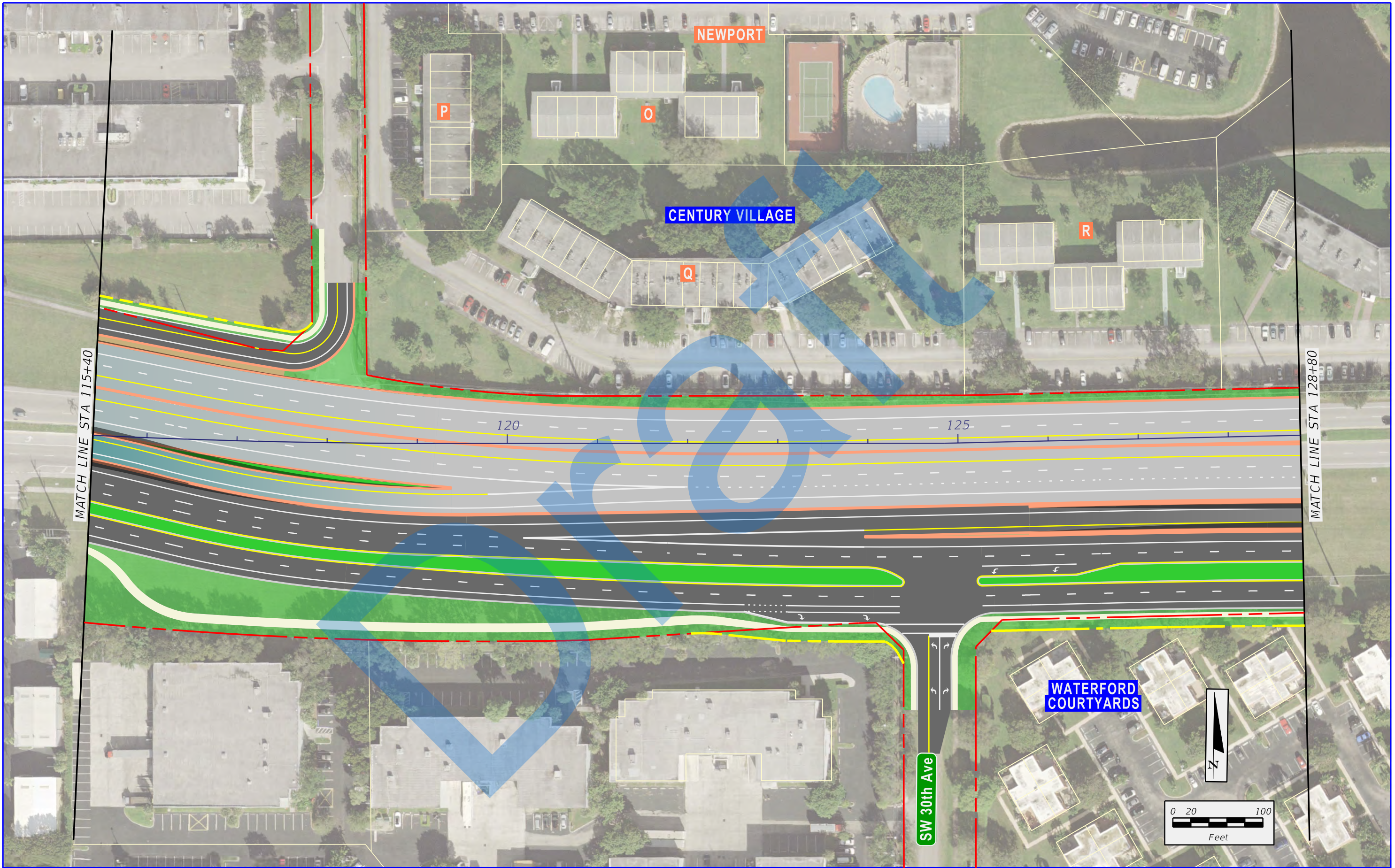
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		 EXISTING RIGHT-OF-WAY	 PROPOSED MANAGED LANES	 PROPOSED 4TH LEVEL BRIDGE	 B-19			
		 EXISTING PARCEL LINES	 PROPOSED LOCAL SW 10TH ST	 TEMPORARY EASEMENT				
		 LIMITED ACCESS RIGHT-OF-WAY	 PROPOSED 2ND LEVEL BRIDGE	 PROPOSED SIDEWALK				
		 PROPOSED RIGHT-OF-WAY	 PROPOSED 3RD LEVEL BRIDGE	 PROPOSED TRAFFIC SIGNAL				

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95

Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND					
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B

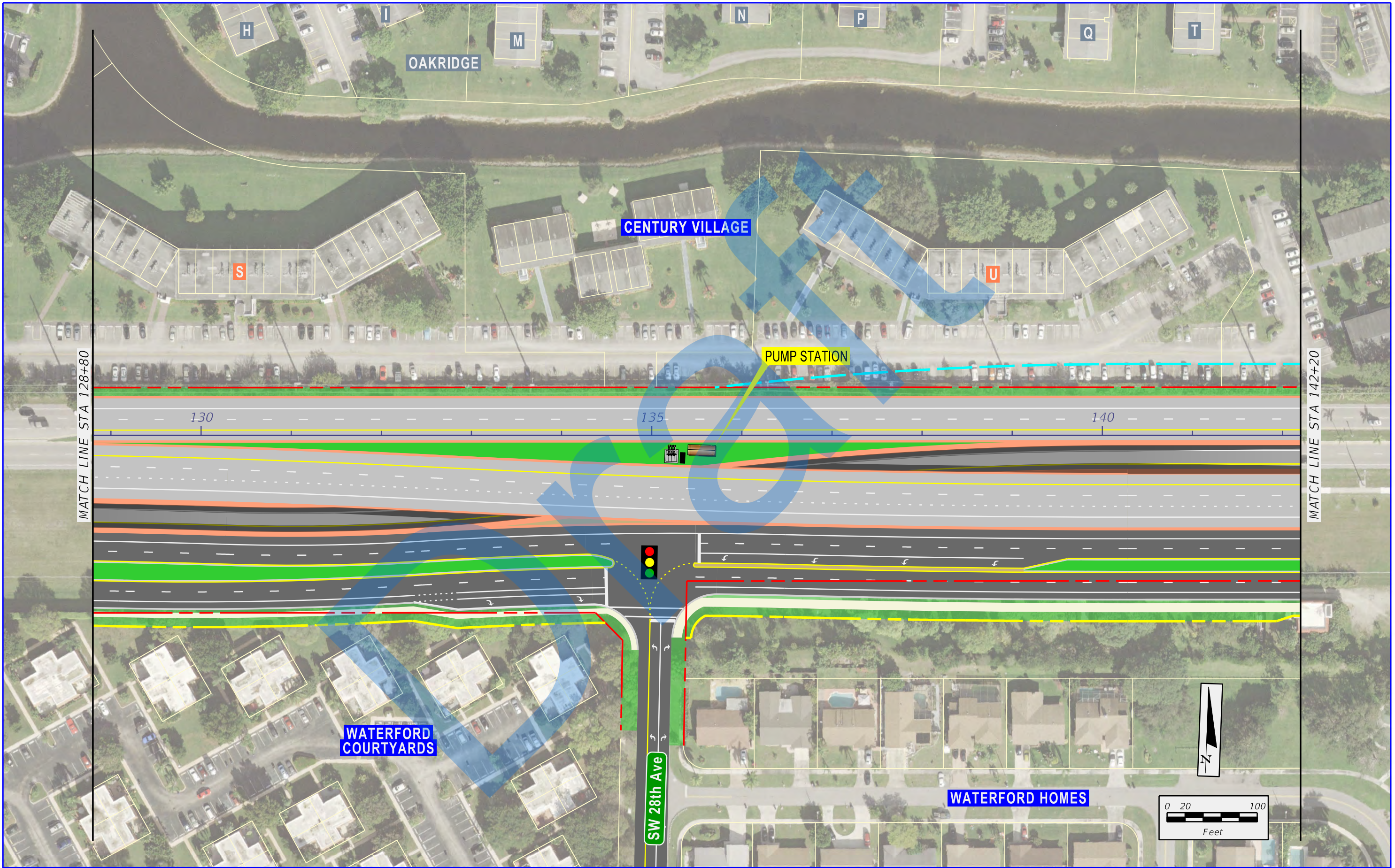
DEPRESSED WESTBOUND

EXIT RAMP ALTERNATIVE

SHEET NO.

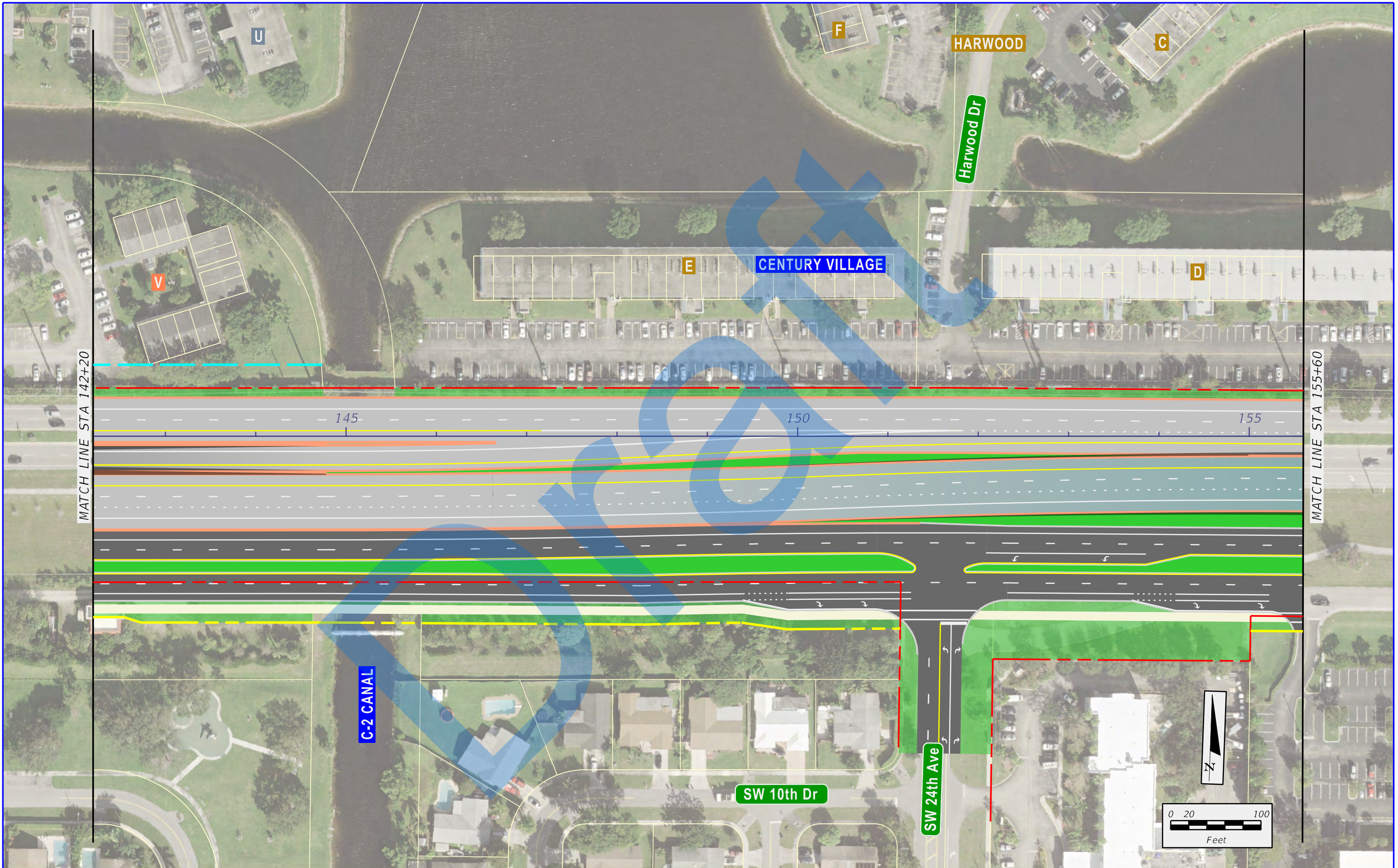
B-21

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	<div><div>---</div>EXISTING RIGHT-OF-WAY</div> <div><div>---</div>EXISTING PARCEL LINES</div> <div><div>---</div>LIMITED ACCESS RIGHT-OF-WAY</div> <div><div>---</div>PROPOSED RIGHT-OF-WAY</div>	LEGEND		
			<div><div>---</div>PROPOSED MANAGED LANES</div> <div><div>---</div>PROPOSED LOCAL SW 10TH ST</div> <div><div>---</div>PROPOSED 2ND LEVEL BRIDGE</div> <div><div>---</div>PROPOSED 3RD LEVEL BRIDGE</div>	<div><div>---</div>PROPOSED 4TH LEVEL BRIDGE</div> <div><div>---</div>TEMPORARY EASEMENT</div> <div><div>---</div>PROPOSED SIDEWALK</div> <div><div>---</div>PROPOSED TRAFFIC SIGNAL</div>	
APPENDIX B DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE		SHEET NO. B-22			

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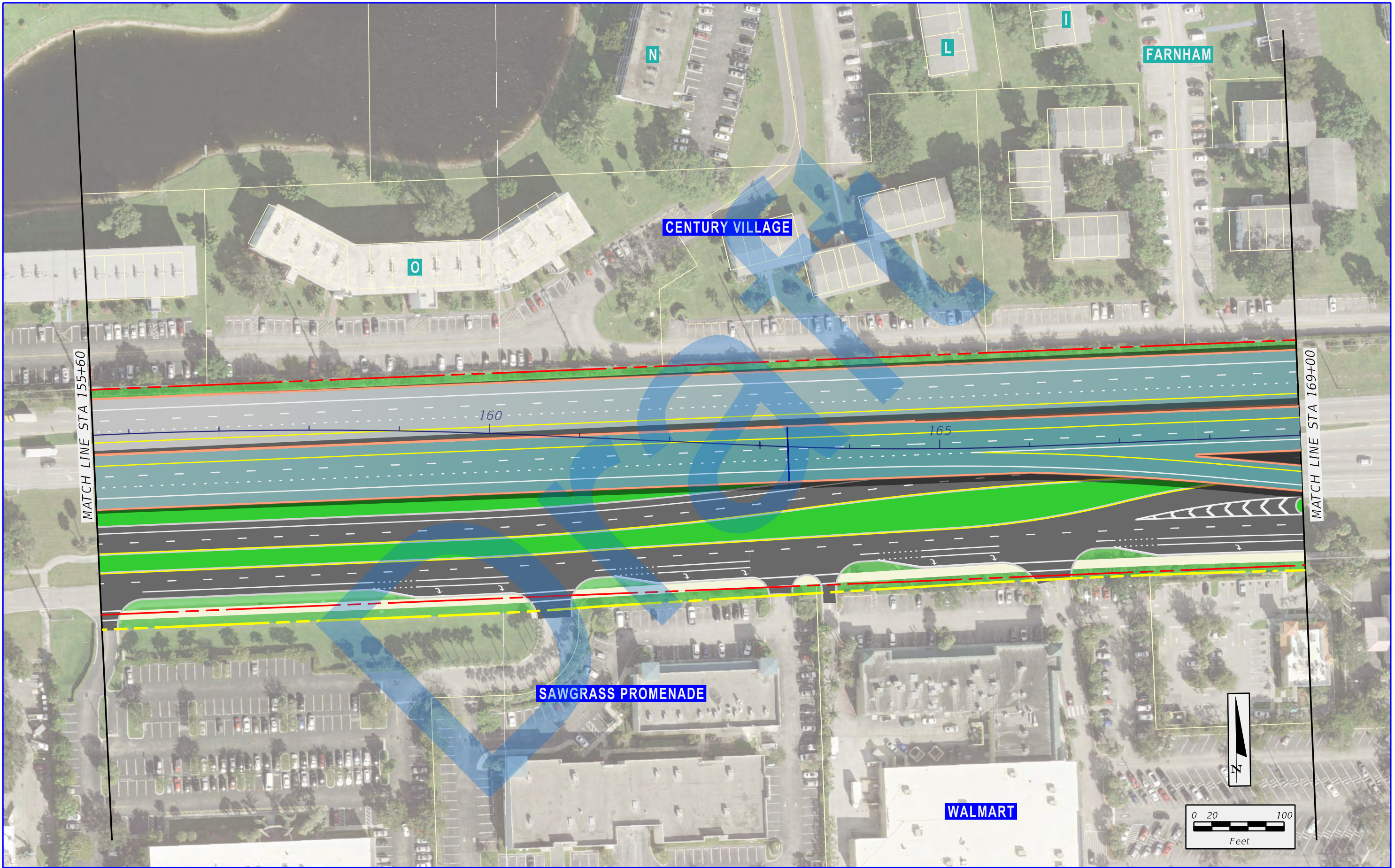
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED WESTBOUND
EXIT RAMP ALTERNATIVE

SHEET
NO.
B-23

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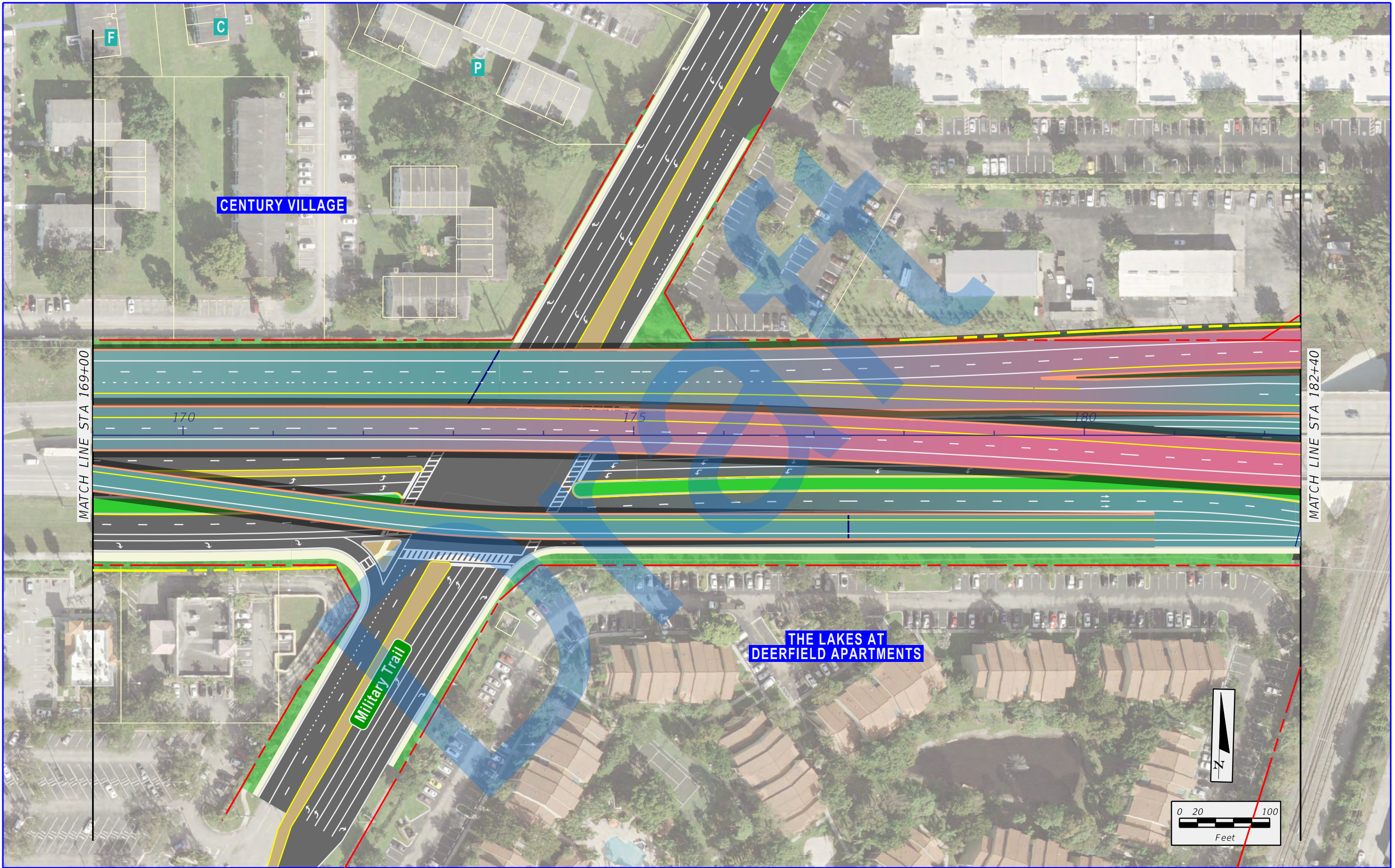
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE

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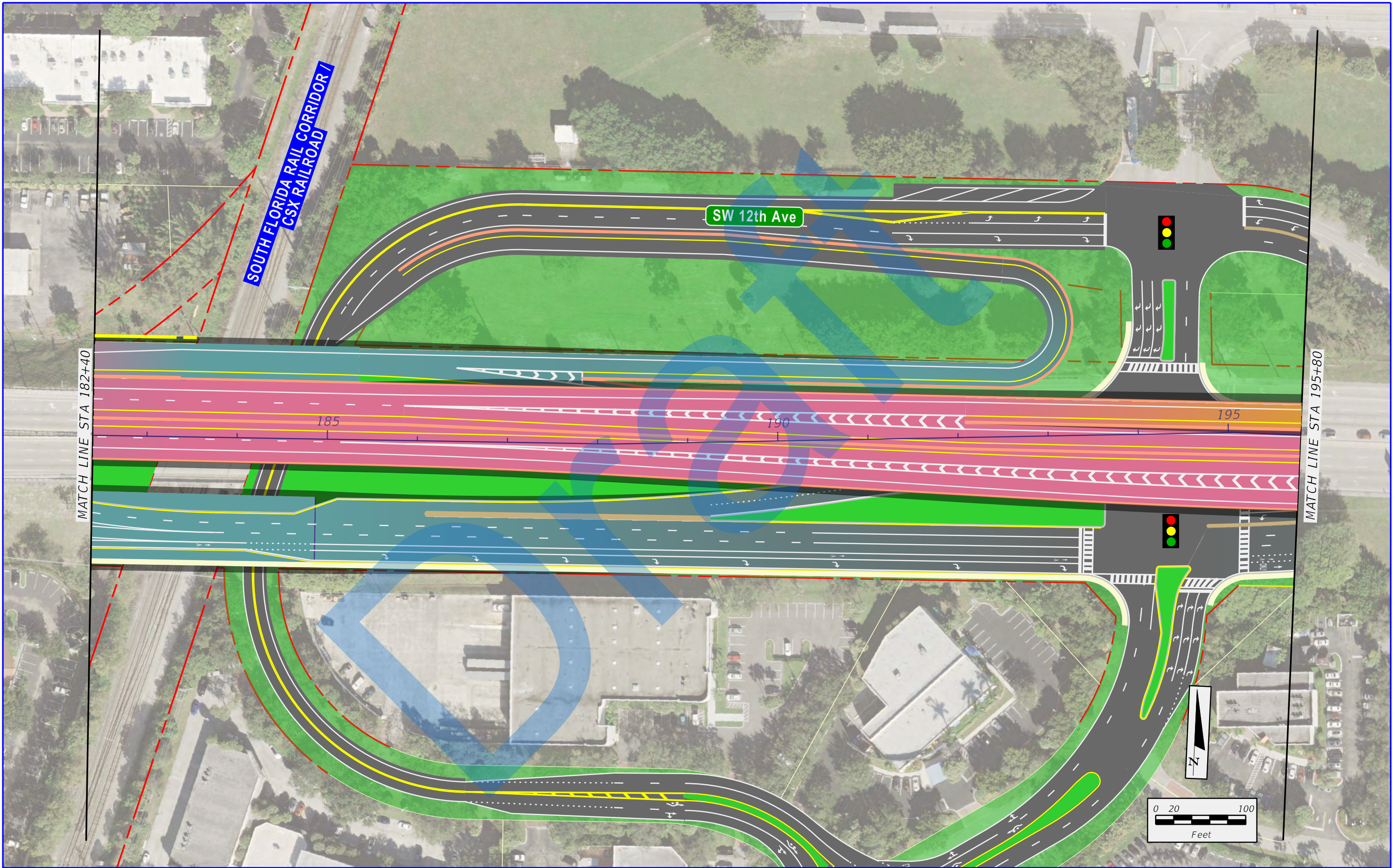
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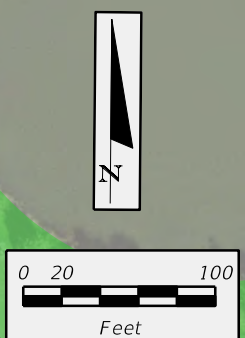
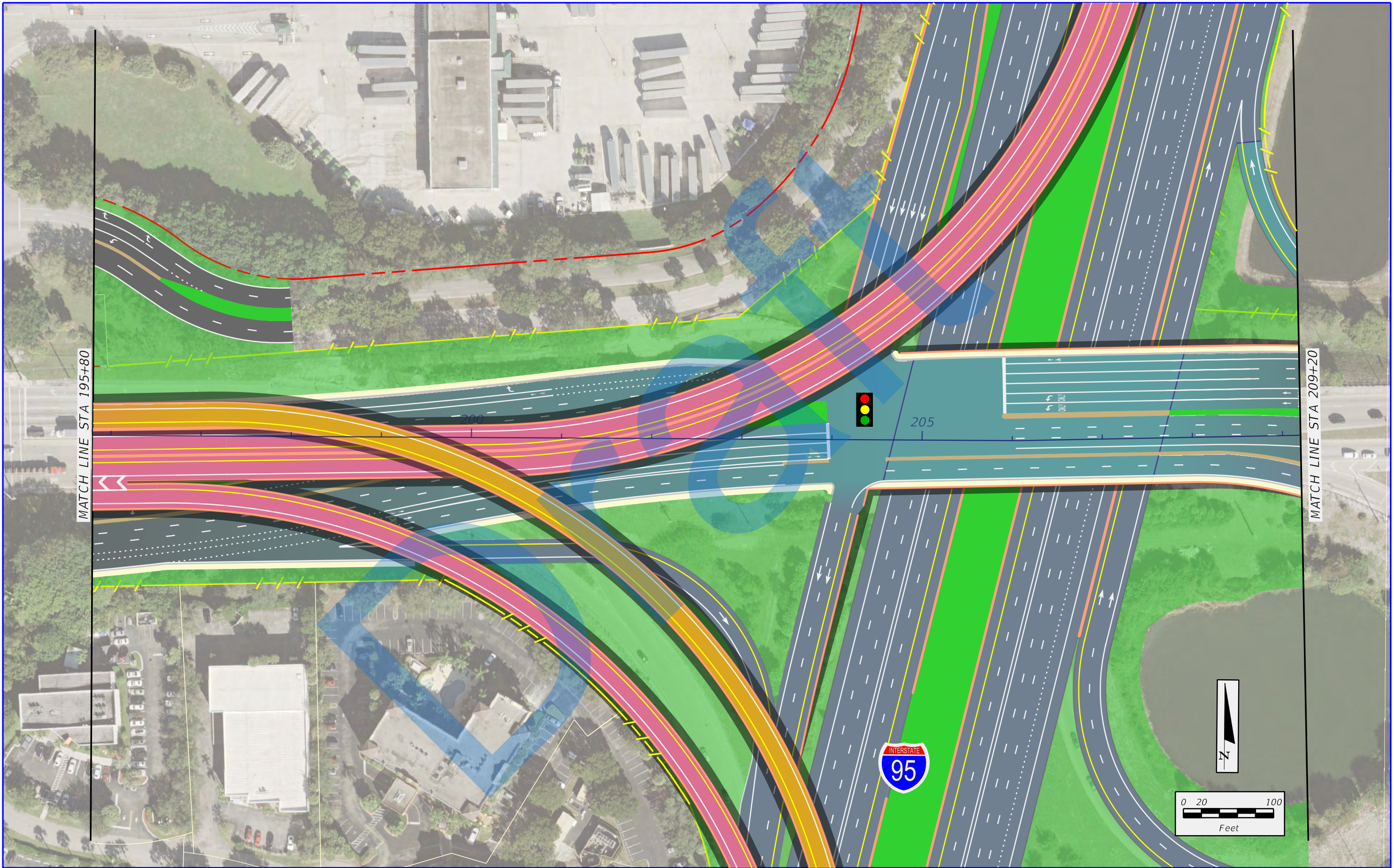
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX B DEPRESSED WESTBOUND EXIT RAMP ALTERNATIVE	SHEET NO. B-25
		<ul style="list-style-type: none">EXISTING RIGHT-OF-WAYEXISTING PARCEL LINESLIMITED ACCESS RIGHT-OF-WAYPROPOSED RIGHT-OF-WAY	<ul style="list-style-type: none">PROPOSED MANAGED LANESPROPOSED LOCAL SW 10TH STPROPOSED 2ND LEVEL BRIDGEPROPOSED 3RD LEVEL BRIDGE	<ul style="list-style-type: none">PROPOSED 4TH LEVEL BRIDGETEMPORARY EASEMENTPROPOSED SIDEWALKPROPOSED TRAFFIC SIGNAL		

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95

Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND		
EXISTING RIGHT-OF-WAY	PROPOSED MANAGED LANES	PROPOSED 4TH LEVEL BRIDGE
EXISTING PARCEL LINES	PROPOSED LOCAL SW 10TH ST	TEMPORARY EASEMENT
LIMITED ACCESS RIGHT-OF-WAY	PROPOSED 2ND LEVEL BRIDGE	PROPOSED SIDEWALK
PROPOSED RIGHT-OF-WAY	PROPOSED 3RD LEVEL BRIDGE	PROPOSED TRAFFIC SIGNAL

APPENDIX B

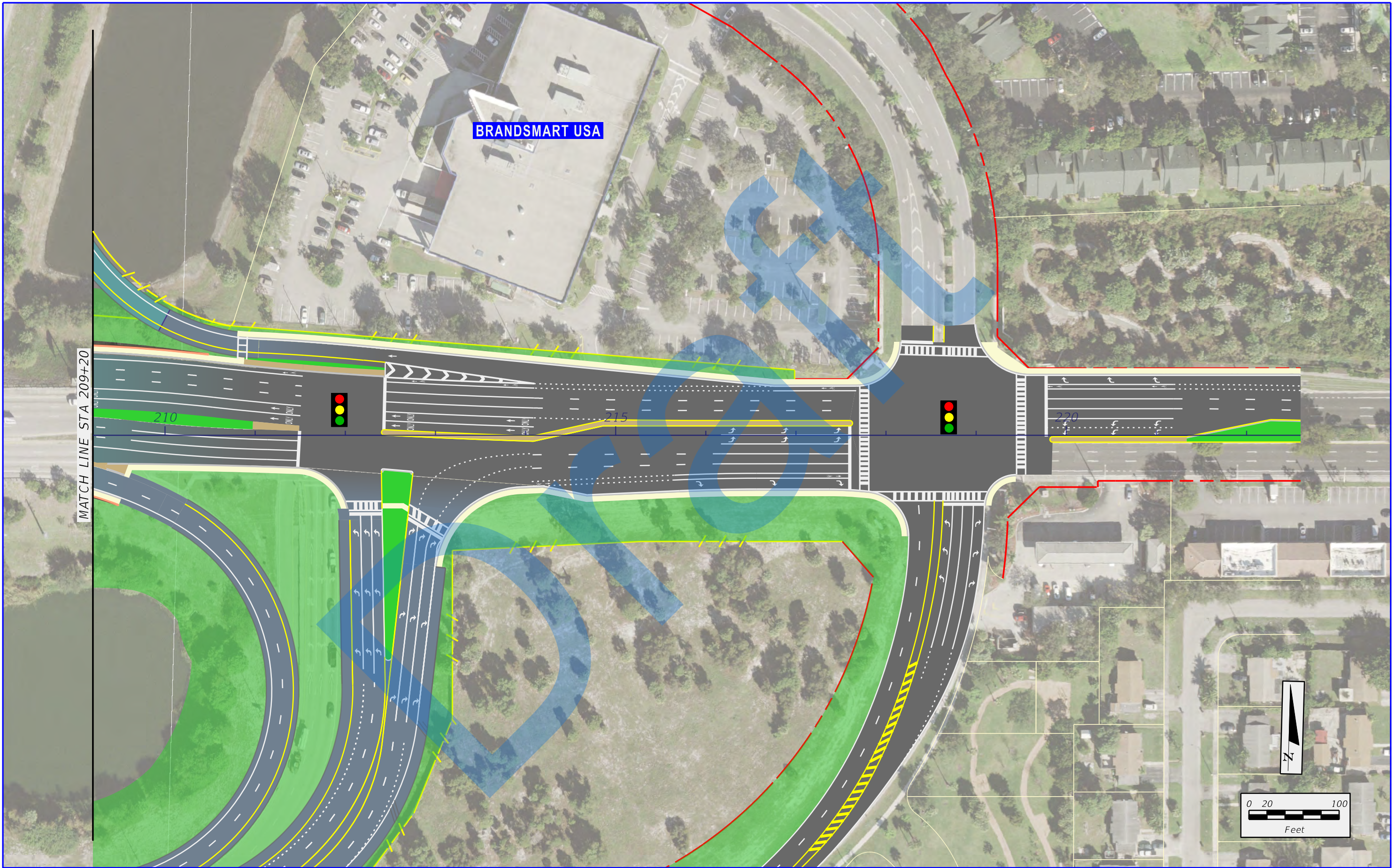
DEPRESSED WESTBOUND

EXIT RAMP ALTERNATIVE

SHEET NO.

B-27

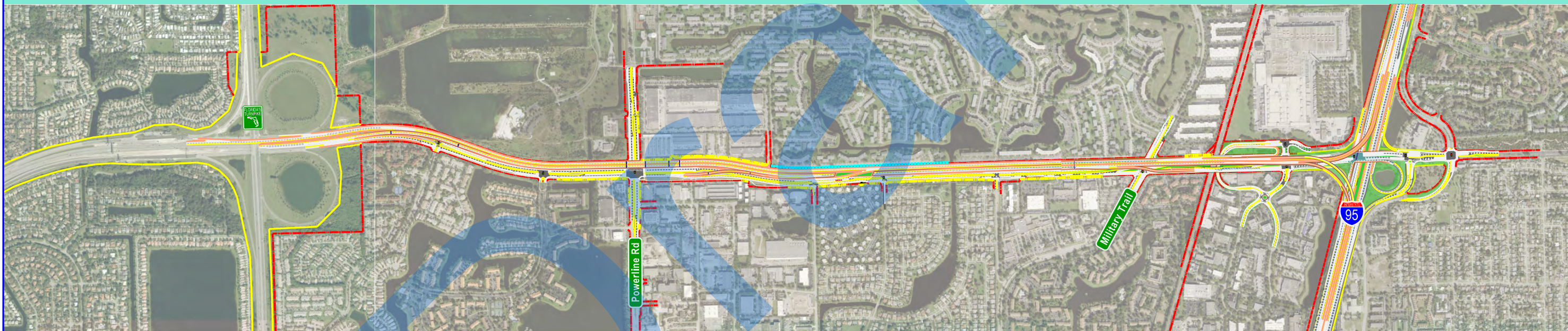
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE

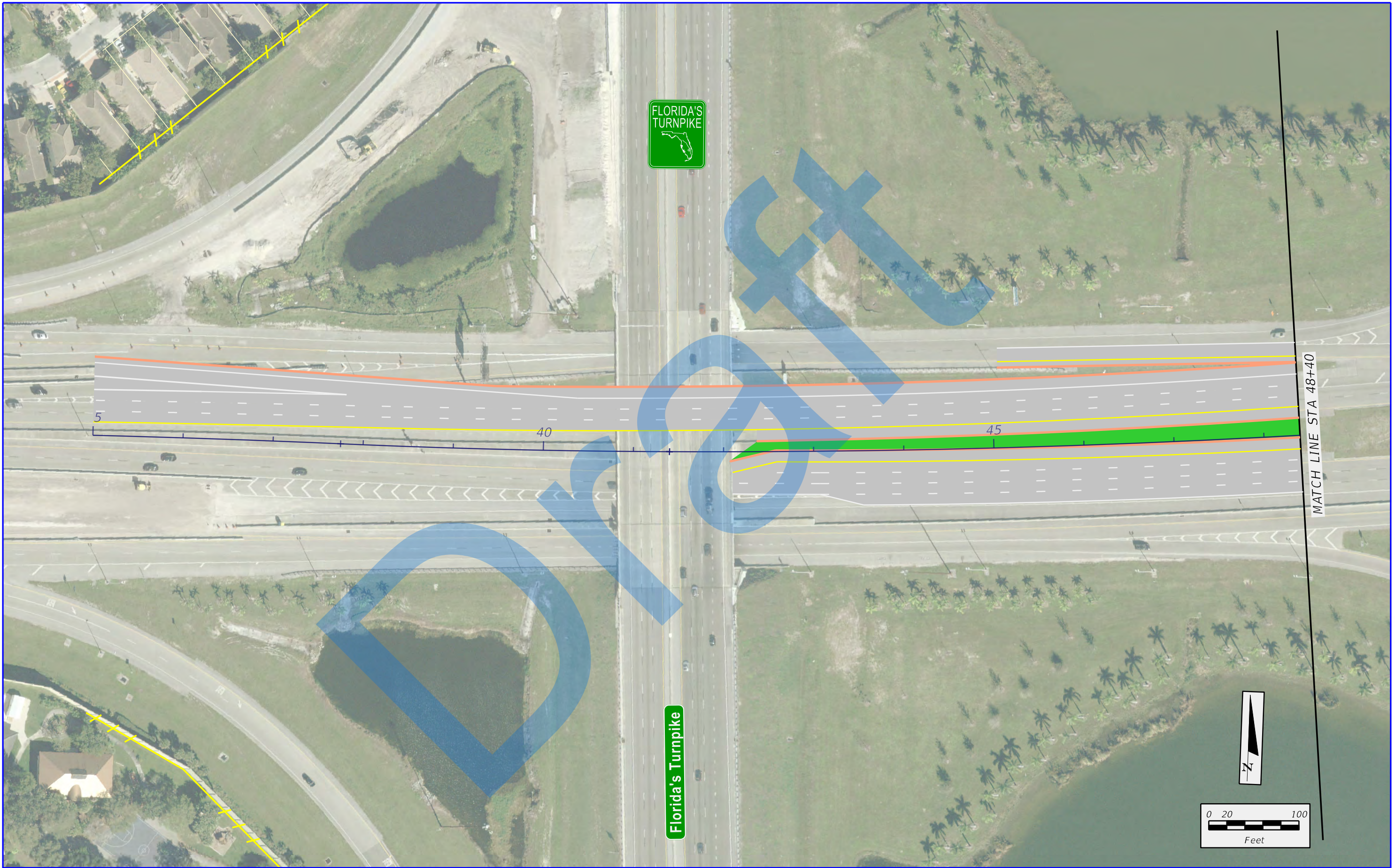


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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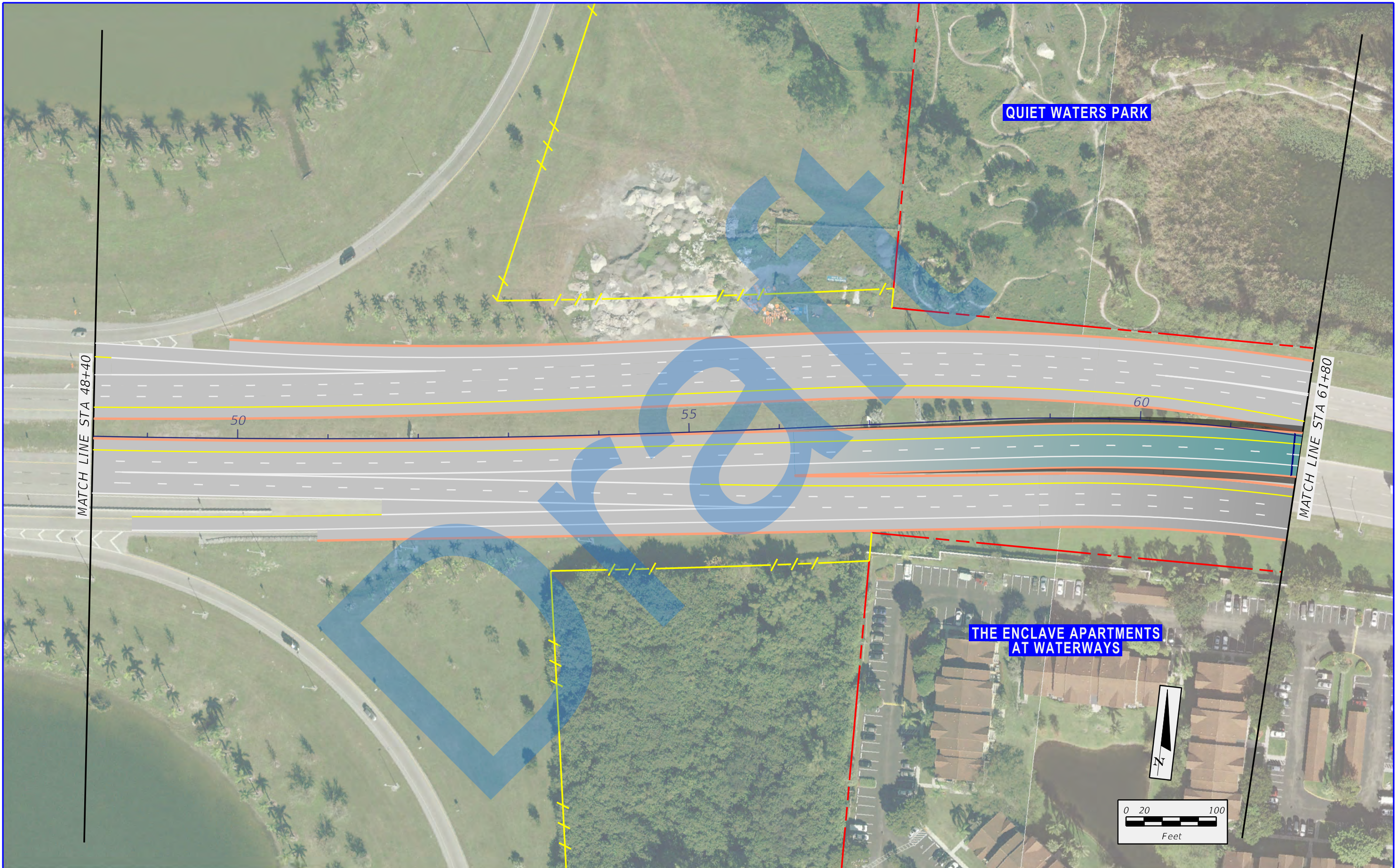
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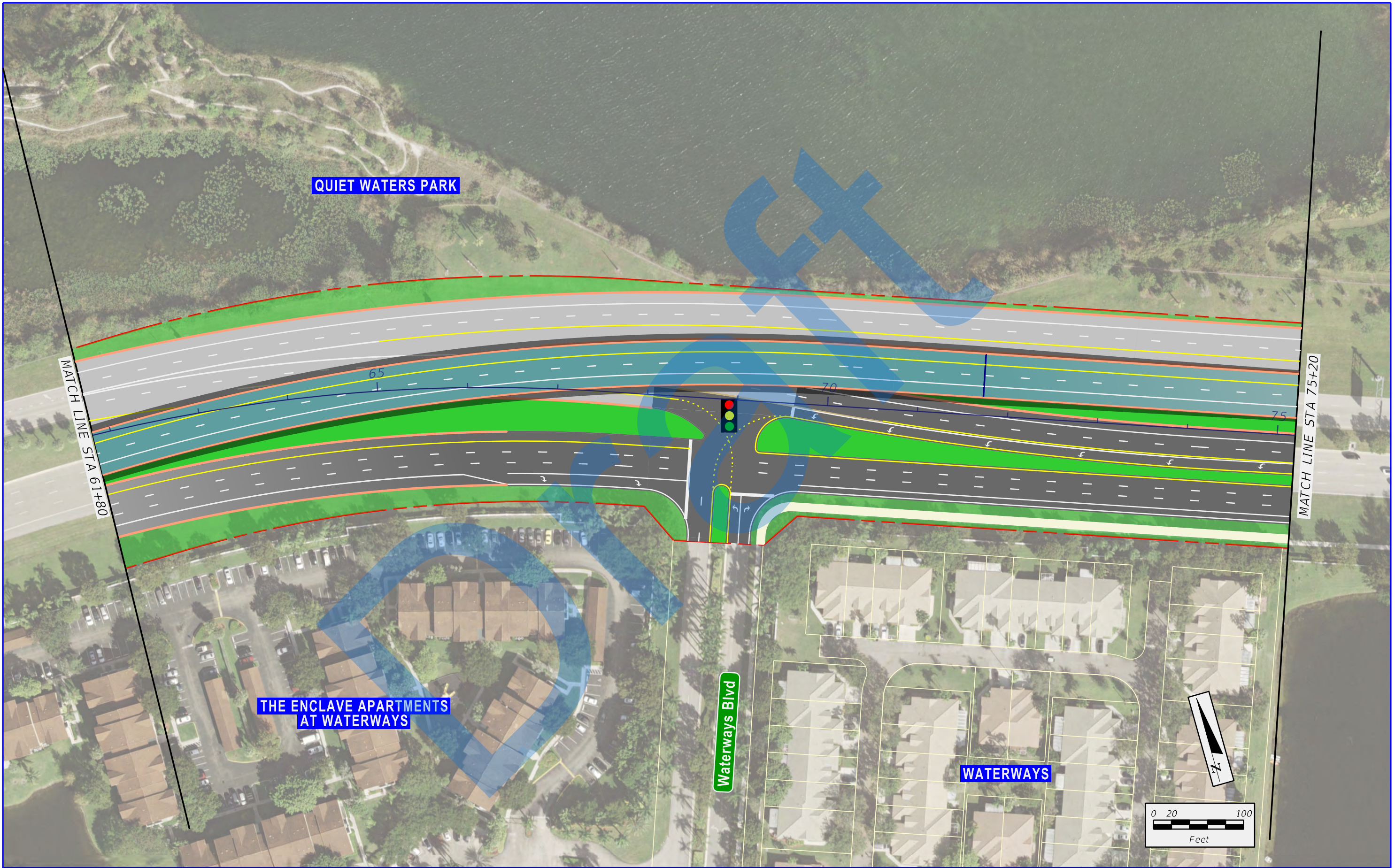
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND				 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE					B-29

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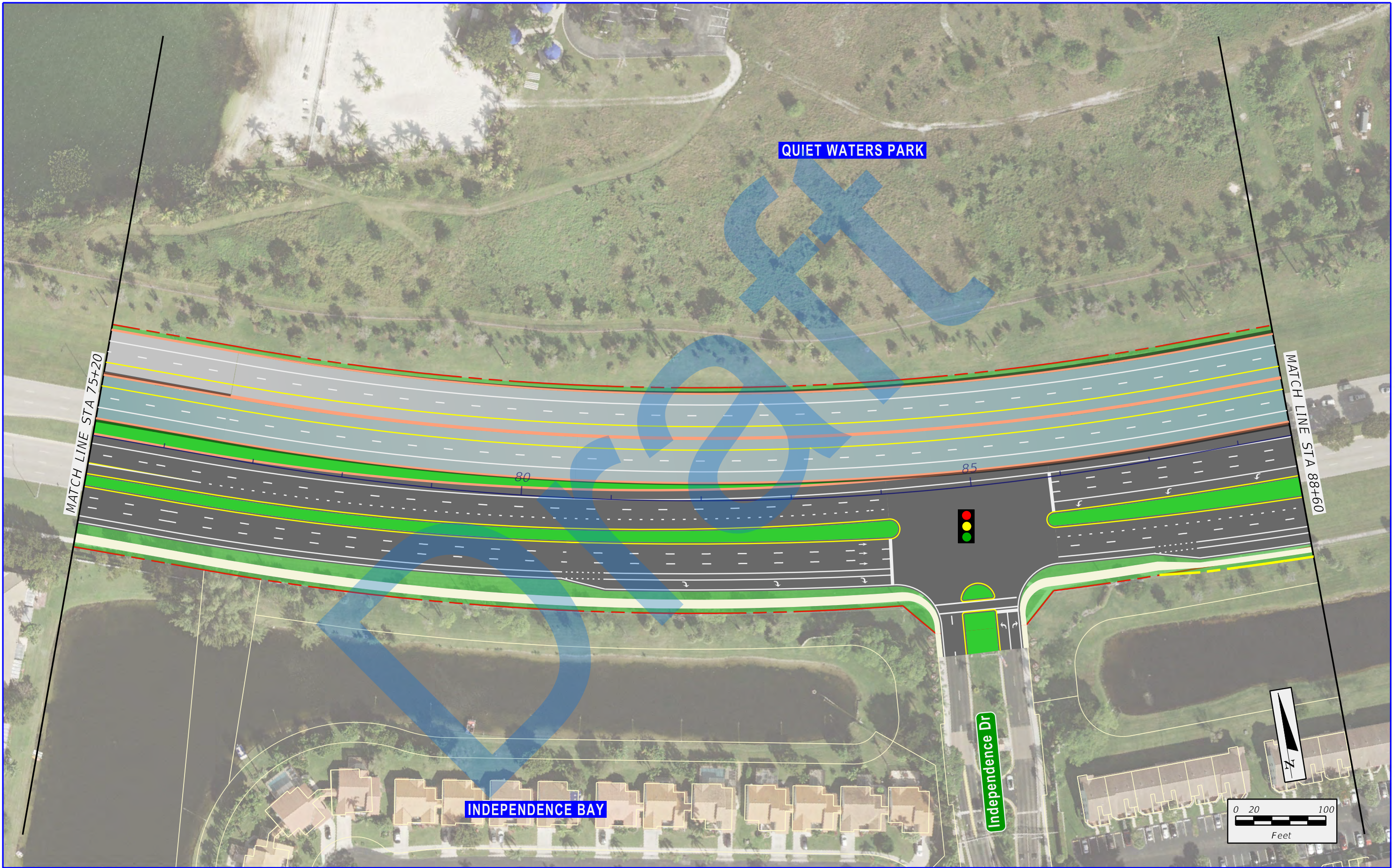
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-30			

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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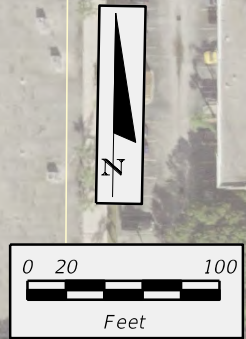
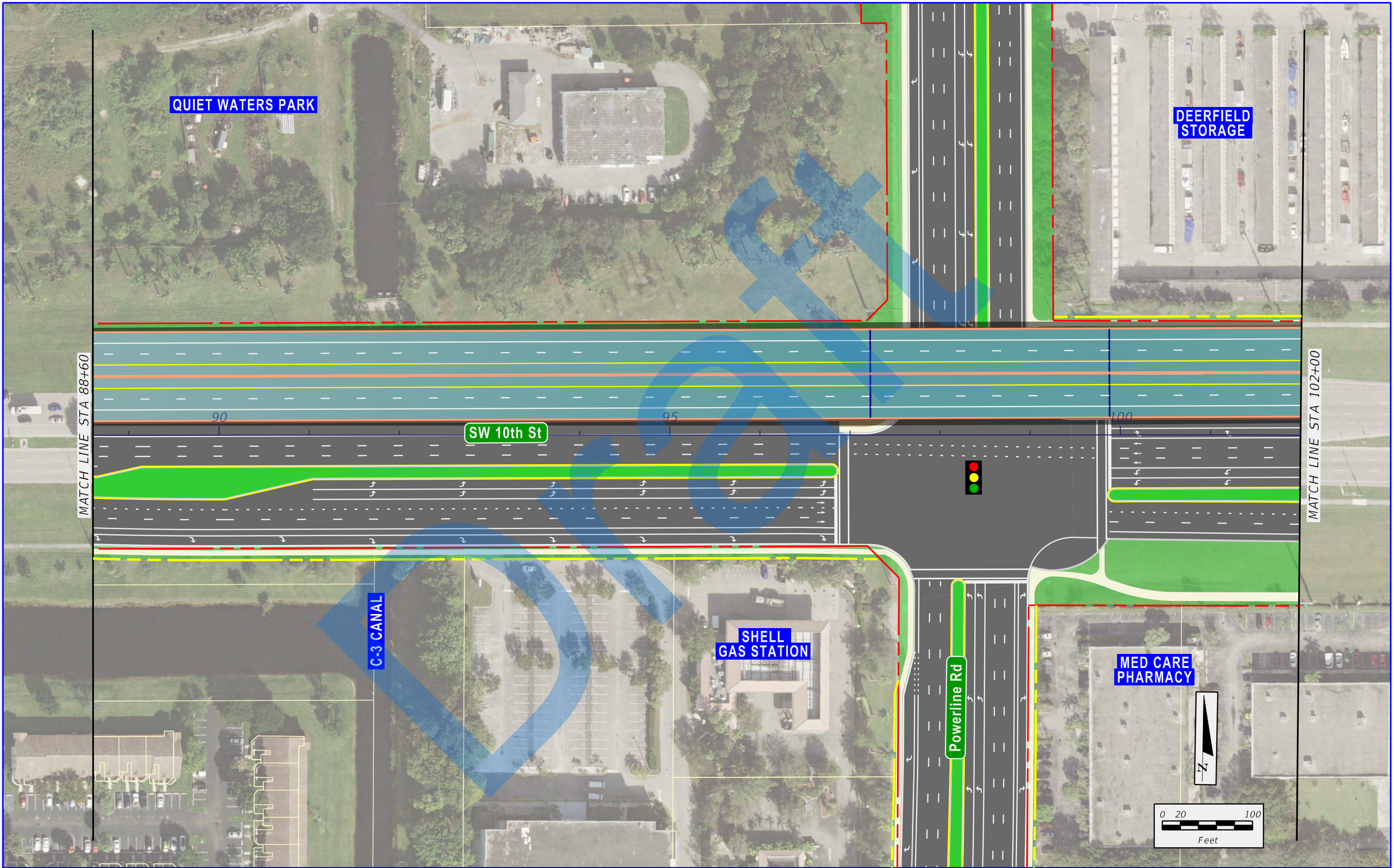
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED EASTBOUND
MANAGED LANES ALTERNATIVE

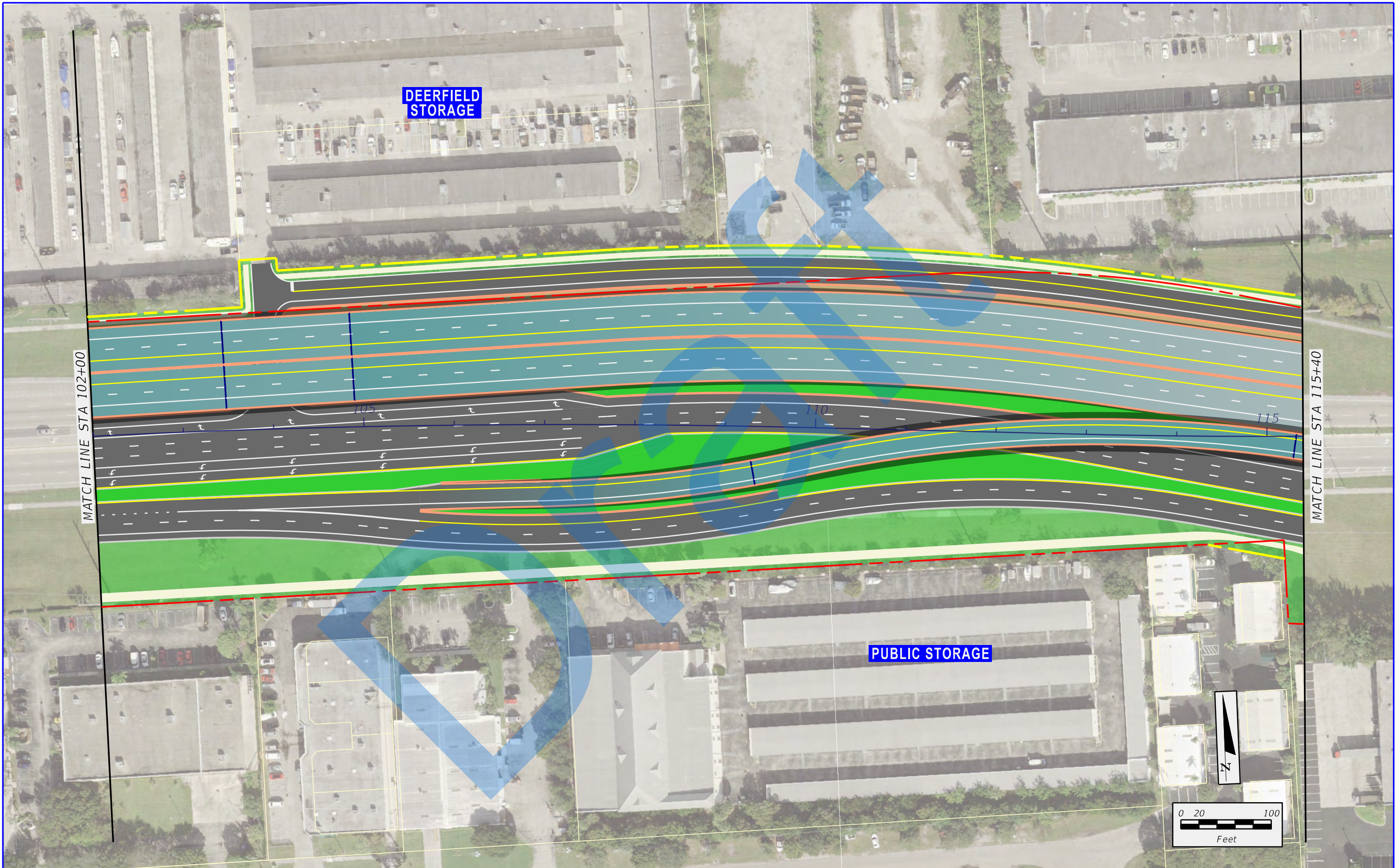
SHEET NO.
B-32

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-33
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL		

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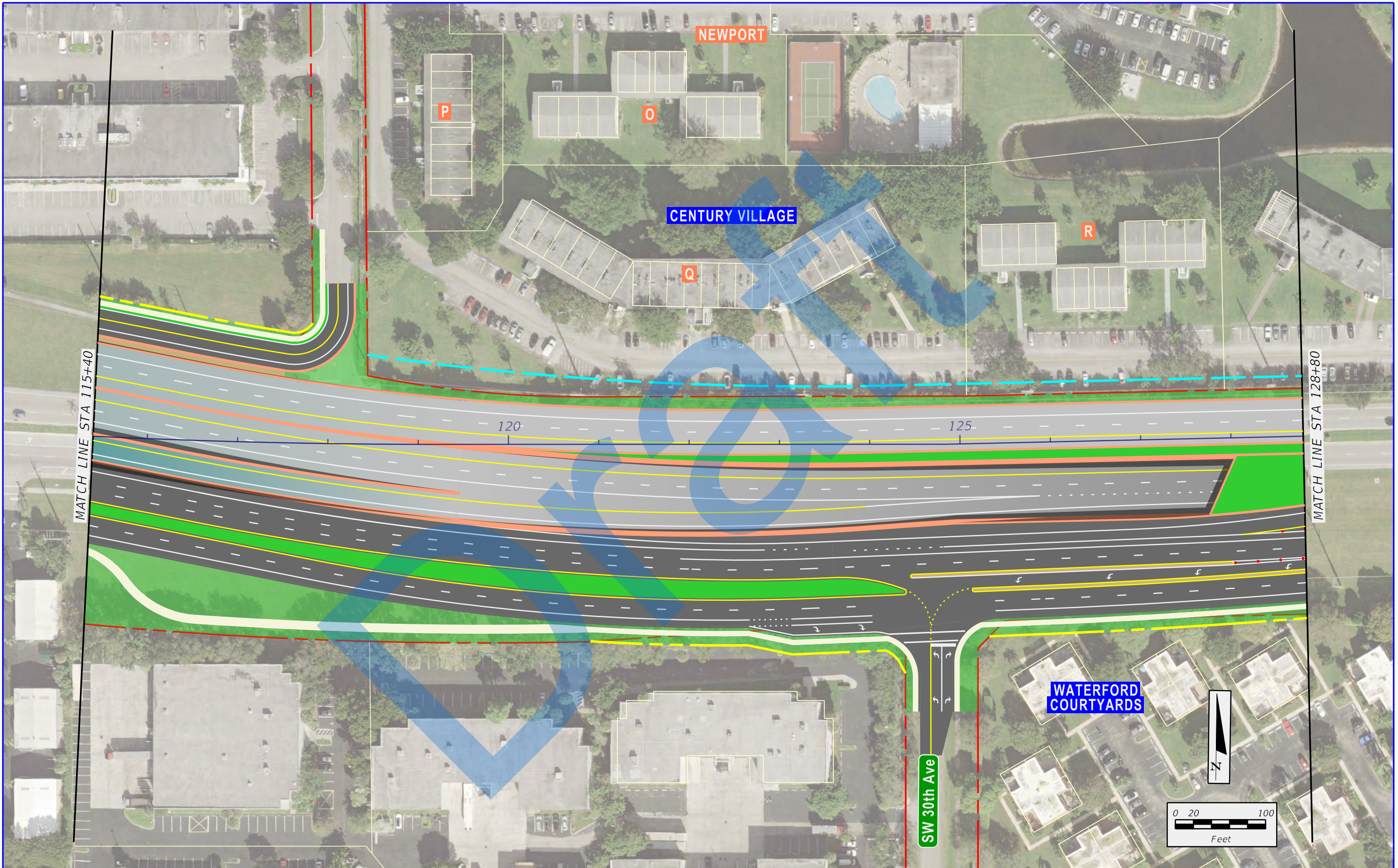
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND					
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED EASTBOUND
MANAGED LANES ALTERNATIVE

SHEET
NO.
B-34

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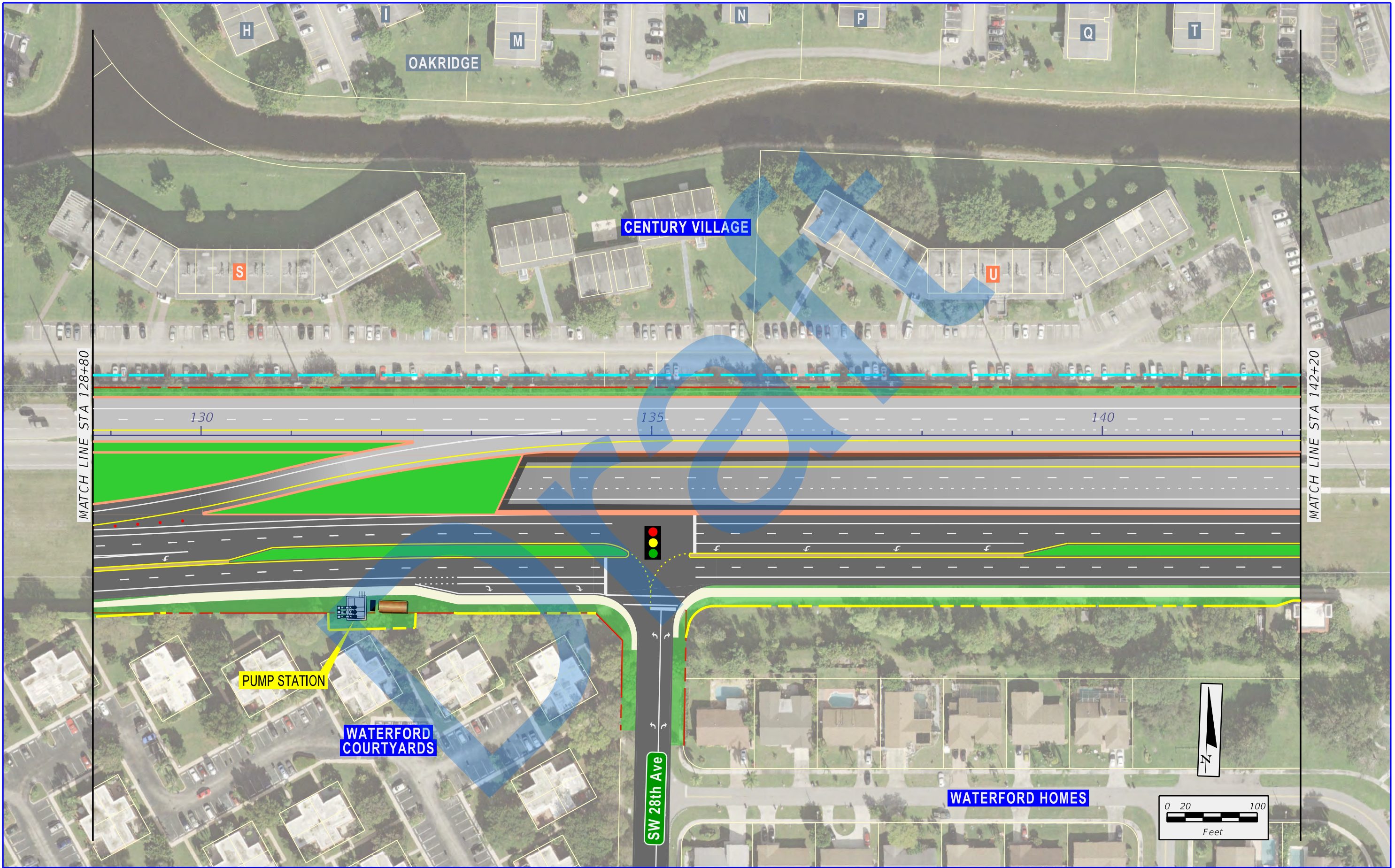
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Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

EXISTING RIGHT-OF-WAY	PROPOSED MANAGED LANES	PROPOSED 4TH LEVEL BRIDGE
EXISTING PARCEL LINES	PROPOSED LOCAL SW 10TH ST	TEMPORARY EASEMENT
LIMITED ACCESS RIGHT-OF-WAY	PROPOSED 2ND LEVEL BRIDGE	PROPOSED SIDEWALK
PROPOSED RIGHT-OF-WAY	PROPOSED 3RD LEVEL BRIDGE	PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED EASTBOUND
MANAGED LANES ALTERNATIVE

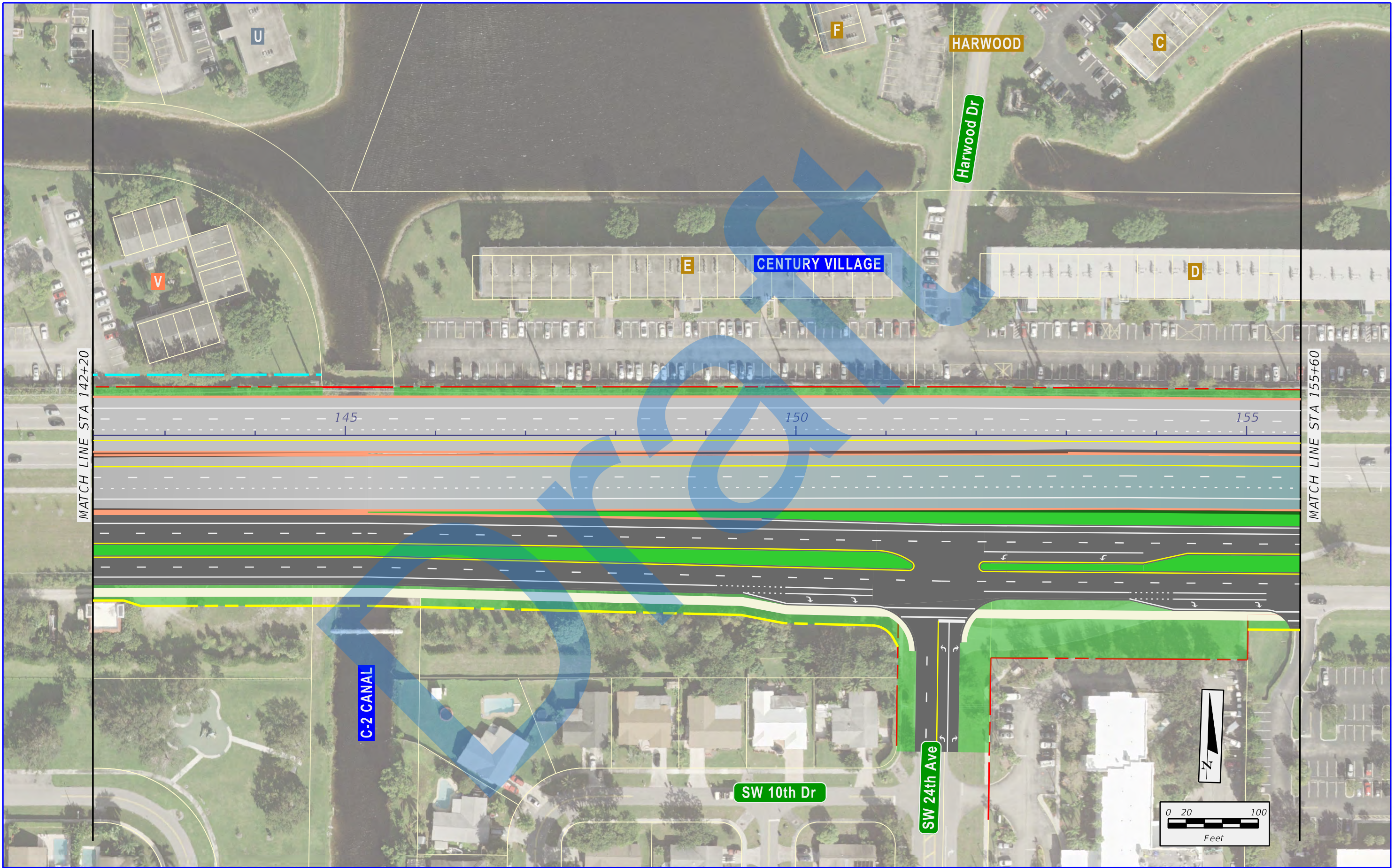
SHEET NO.
B-35

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-36			

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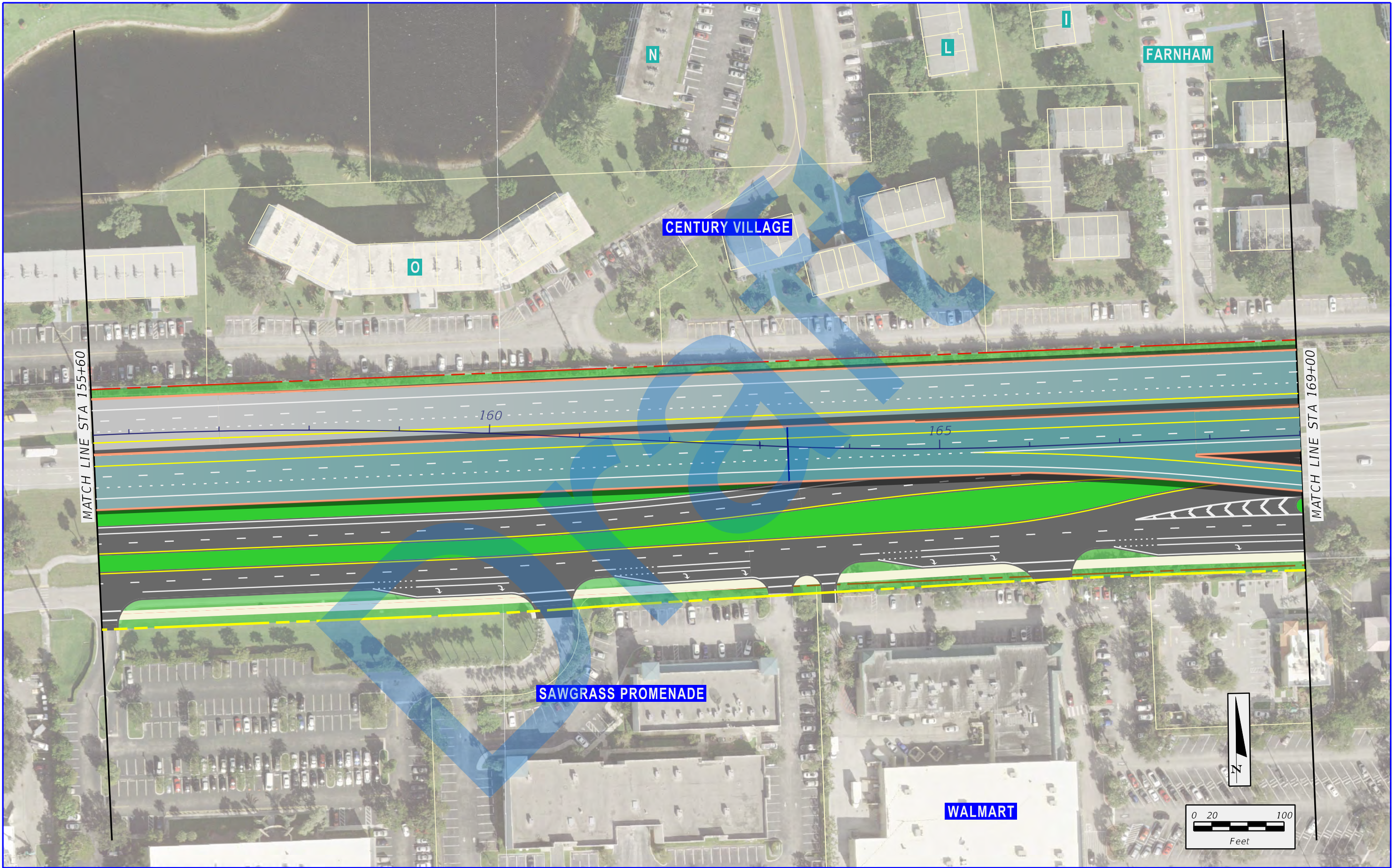
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED EASTBOUND
MANAGED LANES ALTERNATIVE

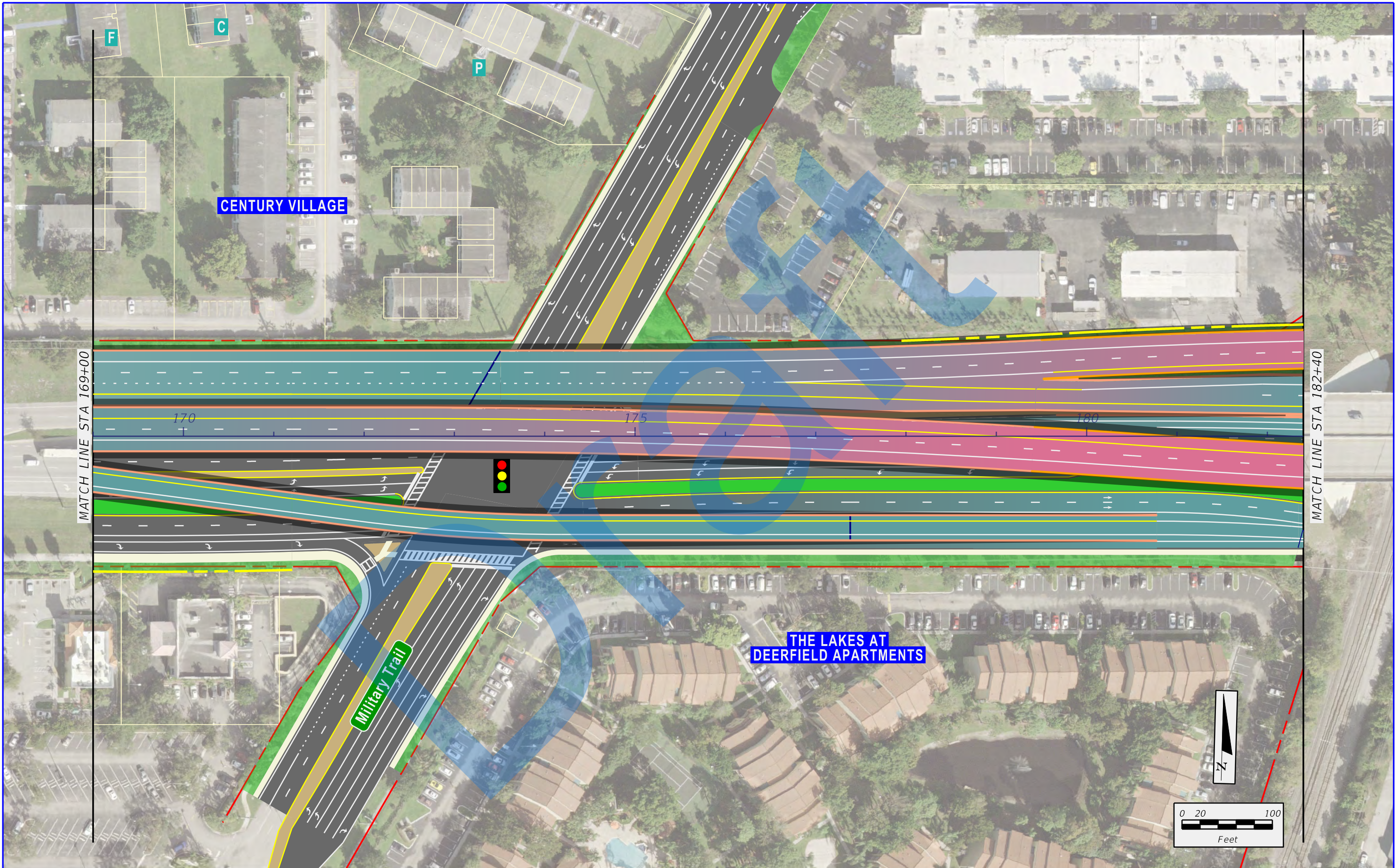
SHEET NO.
B-37

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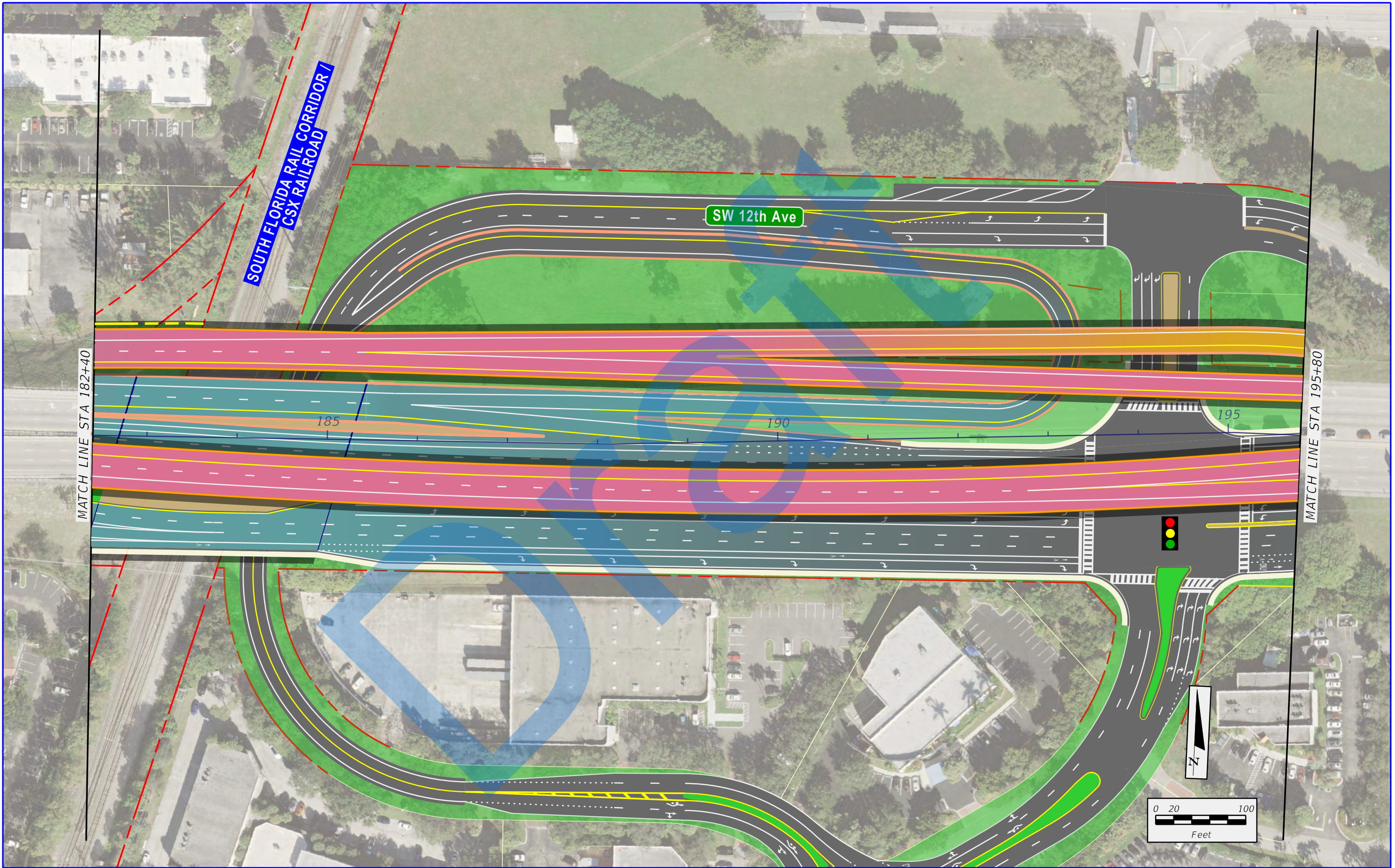
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE		
		APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE			SHEET NO. B-38

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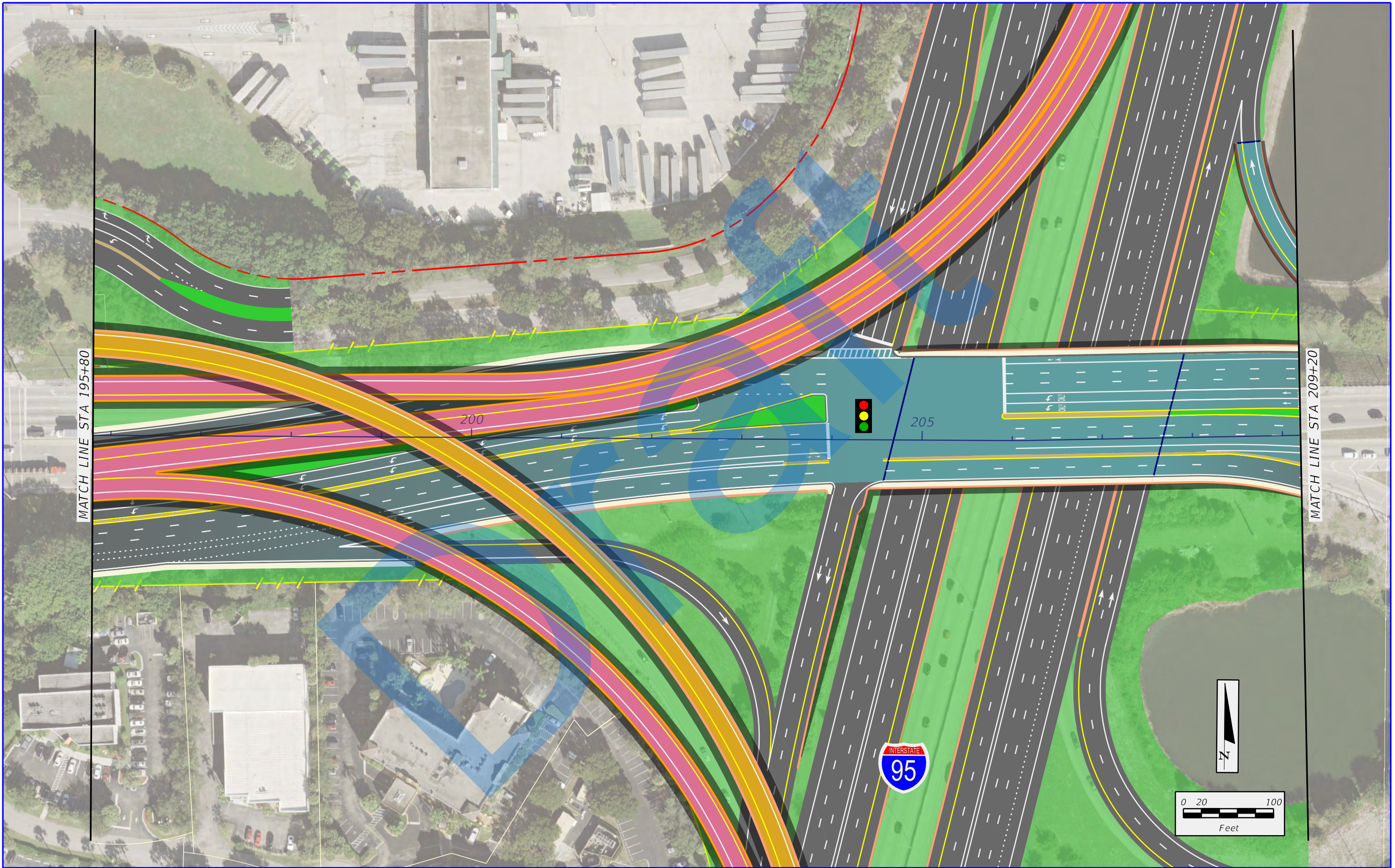
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE		
		APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE			SHEET NO. B-39

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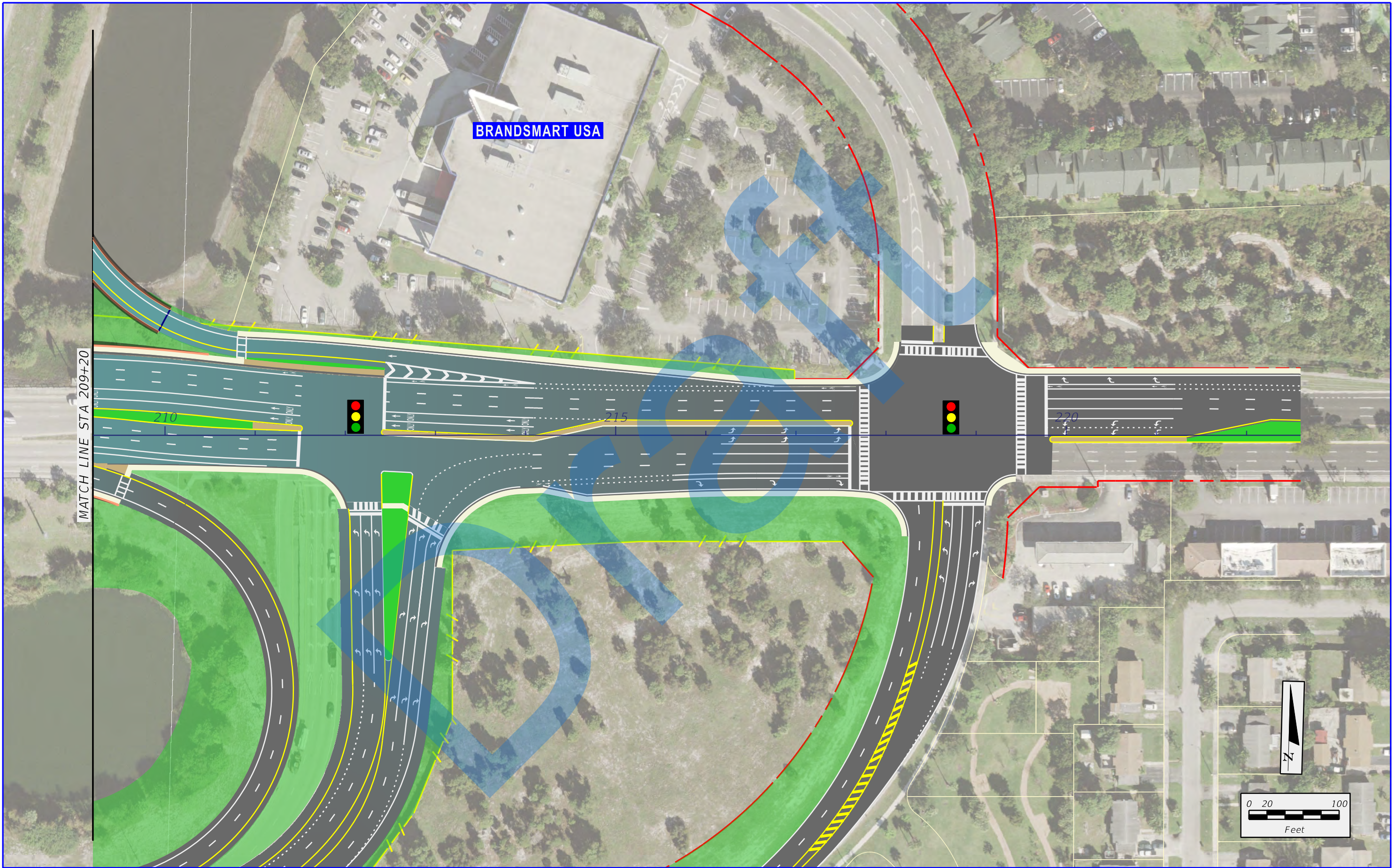
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-40			

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND MANAGED LANES ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE				B-41

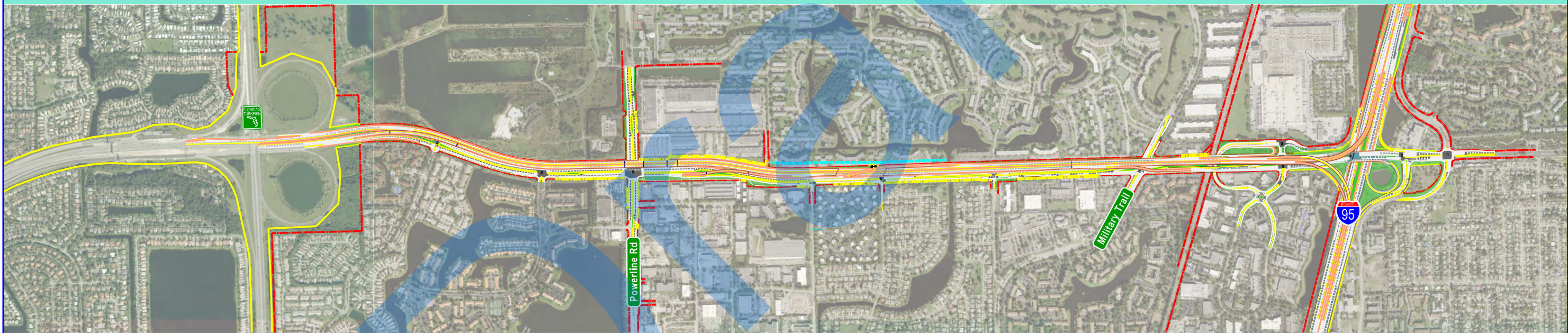
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE

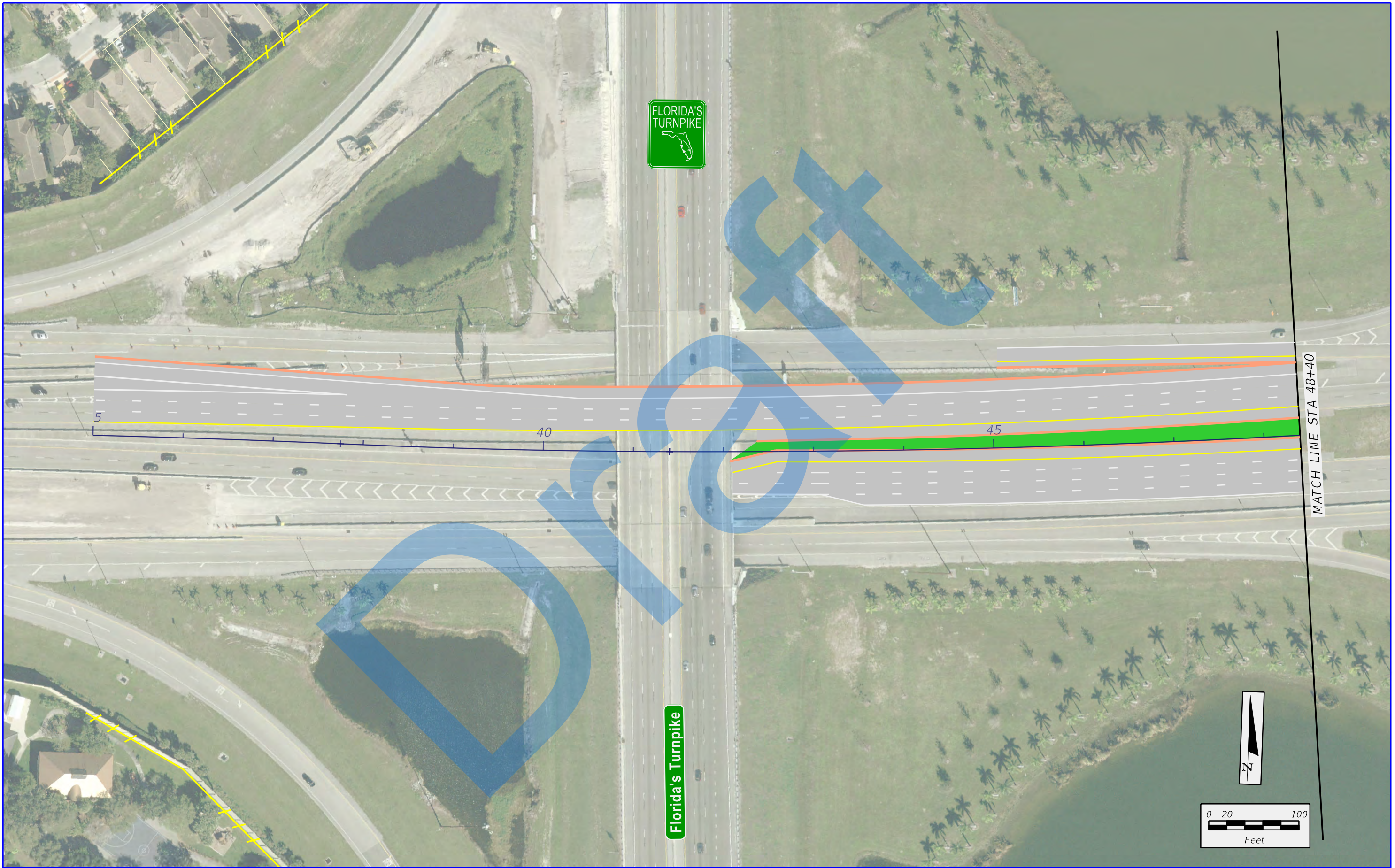


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

SHEET
NO.

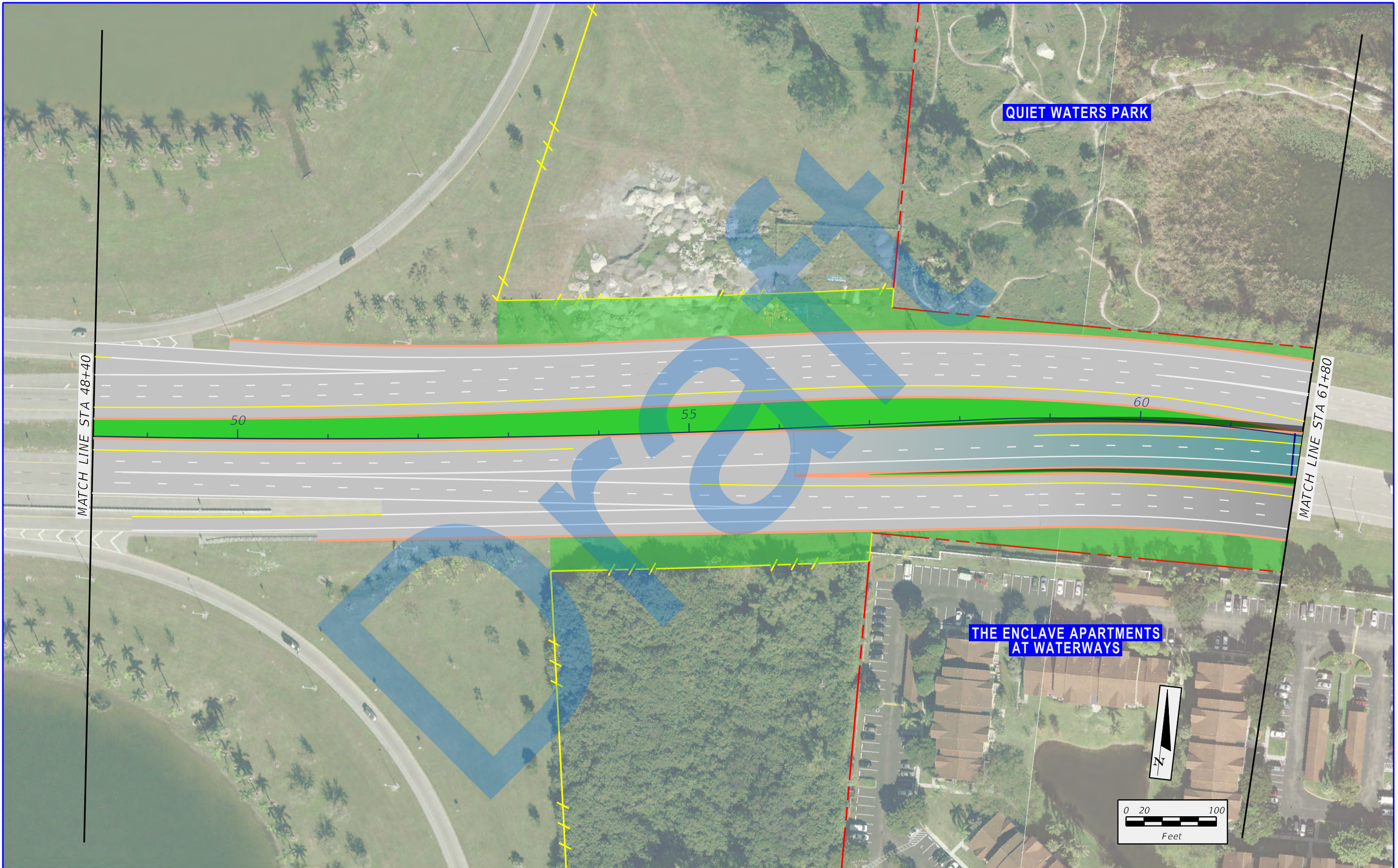
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-43
		<div><div>---</div>EXISTING RIGHT-OF-WAY</div> <div><div>---</div>EXISTING PARCEL LINES</div> <div><div>---</div>LIMITED ACCESS RIGHT-OF-WAY</div> <div><div>---</div>PROPOSED RIGHT-OF-WAY</div>	<div><div>---</div>PROPOSED MANAGED LANES</div> <div><div>---</div>PROPOSED LOCAL SW 10TH ST</div> <div><div>---</div>PROPOSED 2ND LEVEL BRIDGE</div> <div><div>---</div>PROPOSED 3RD LEVEL BRIDGE</div>	<div><div>---</div>PROPOSED 4TH LEVEL BRIDGE</div> <div><div>---</div>TEMPORARY EASEMENT</div> <div><div>---</div>PROPOSED SIDEWALK</div> <div><div>---</div>PROPOSED TRAFFIC SIGNAL</div>		

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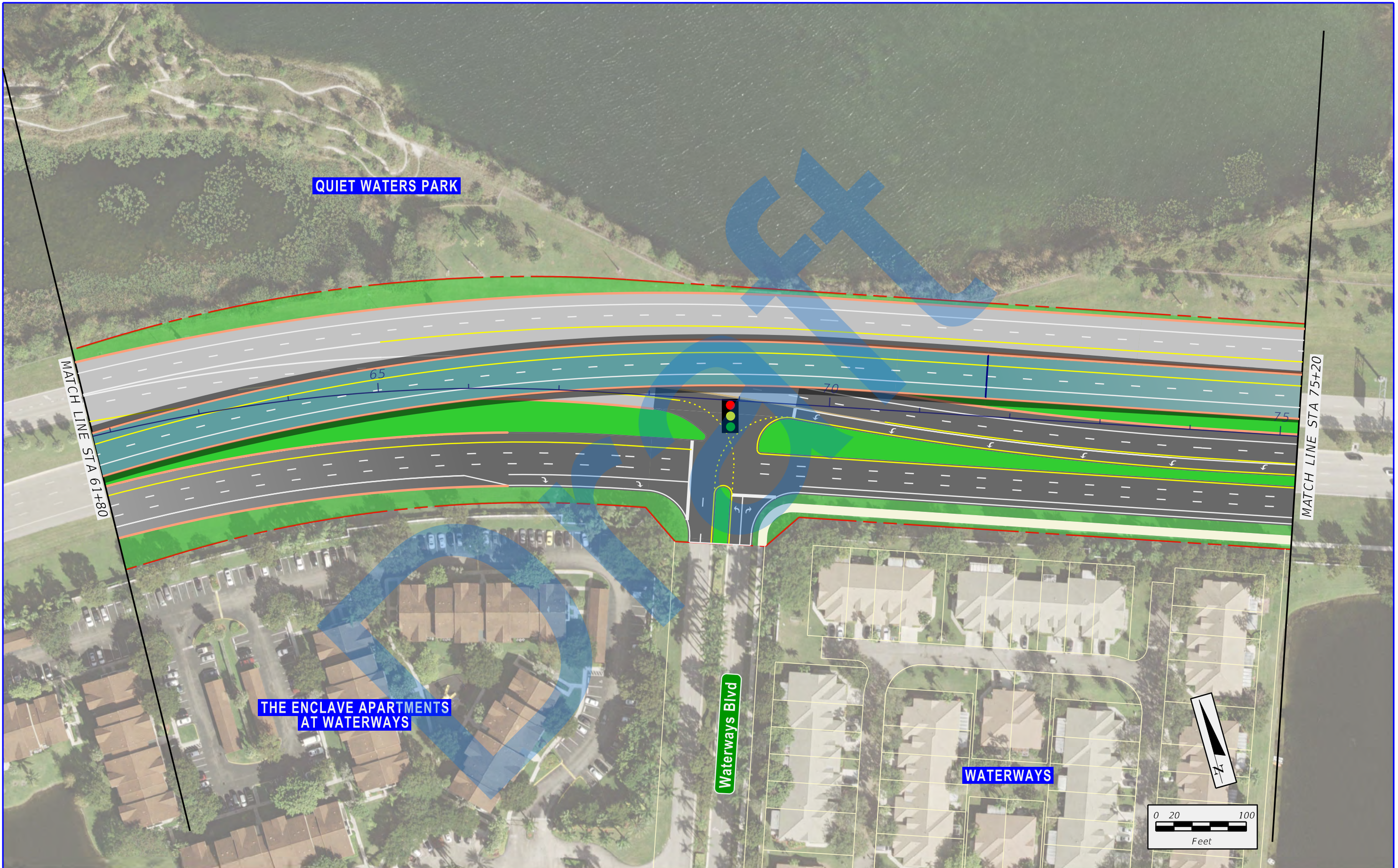
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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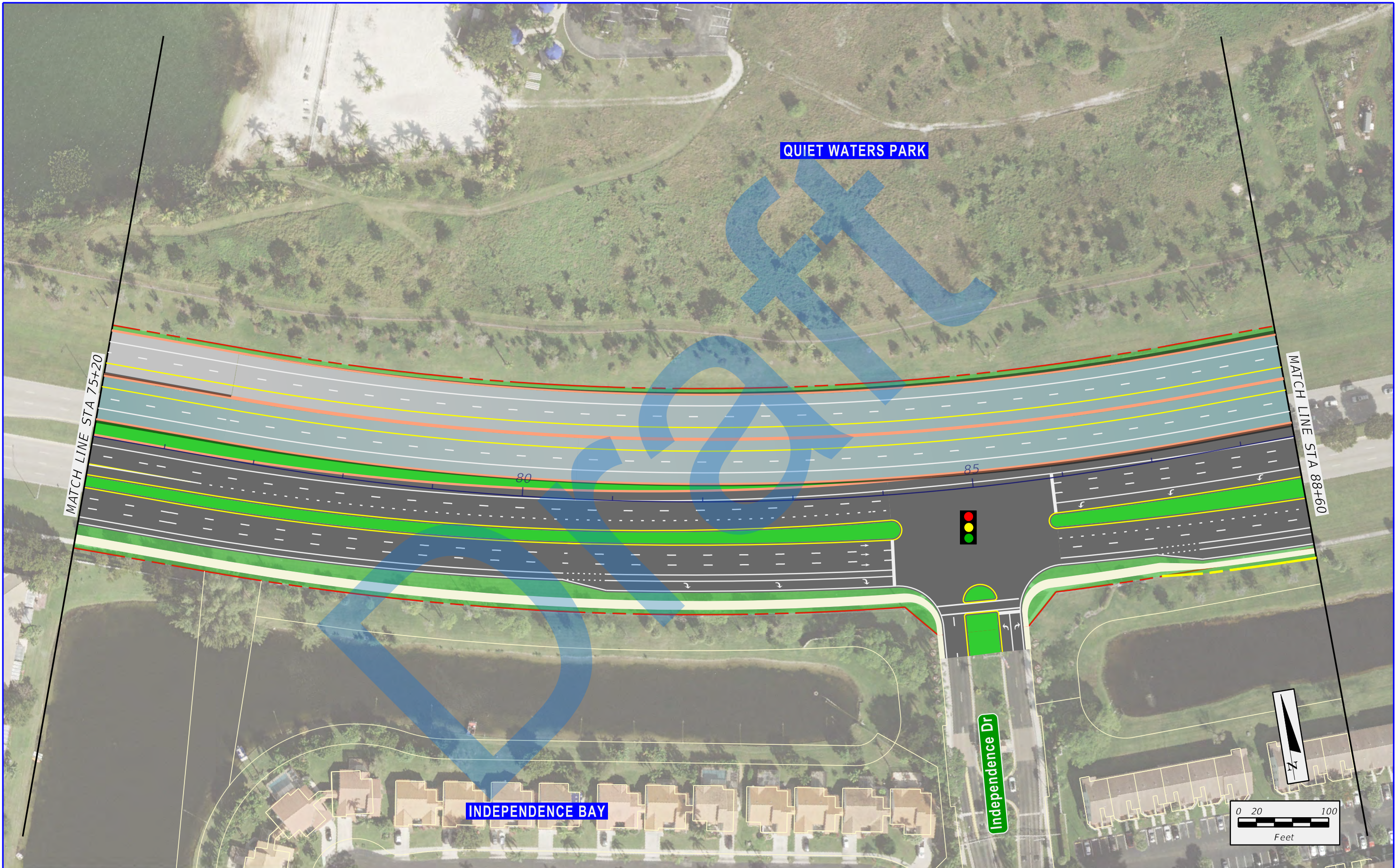
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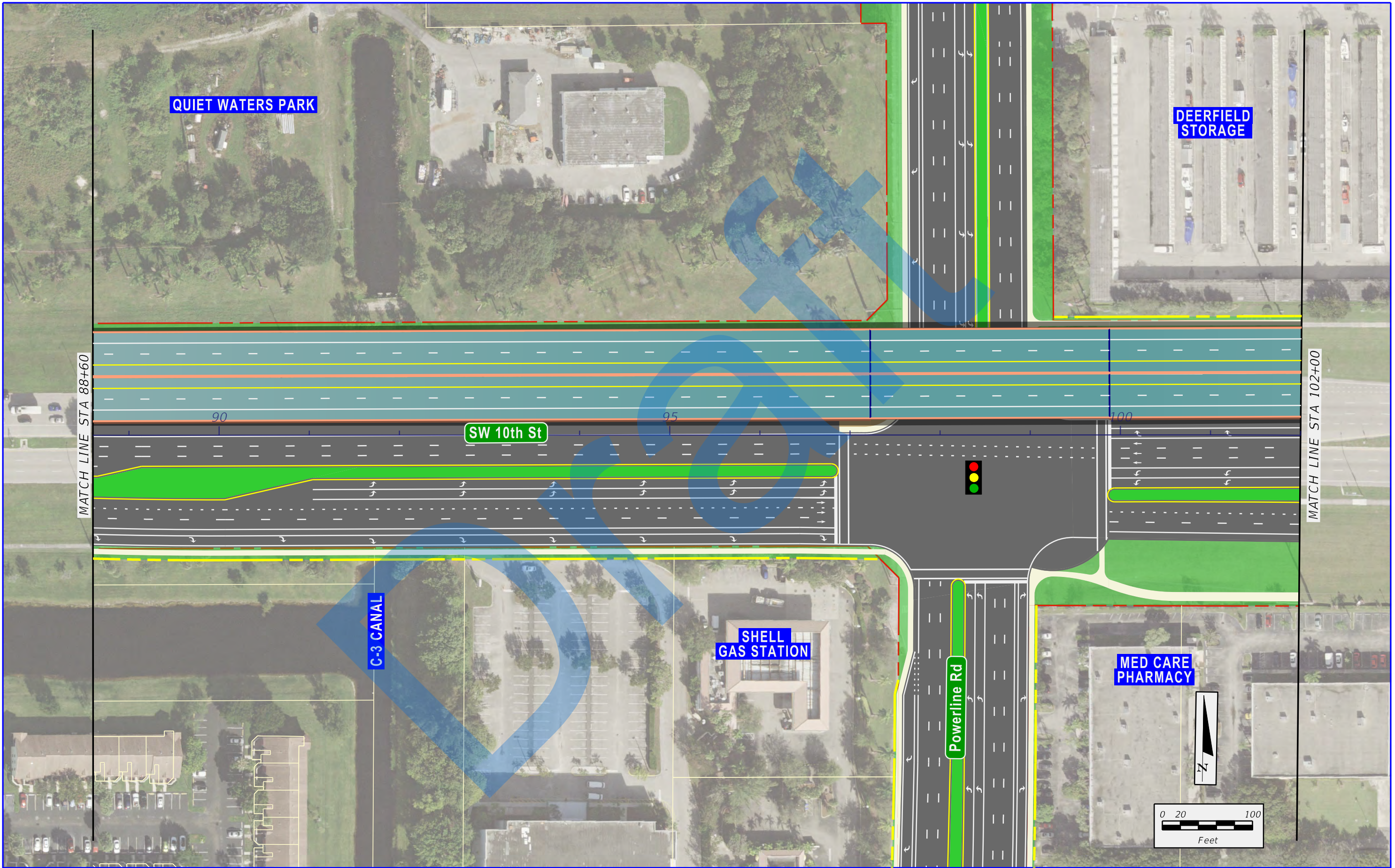


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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

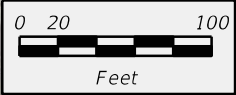
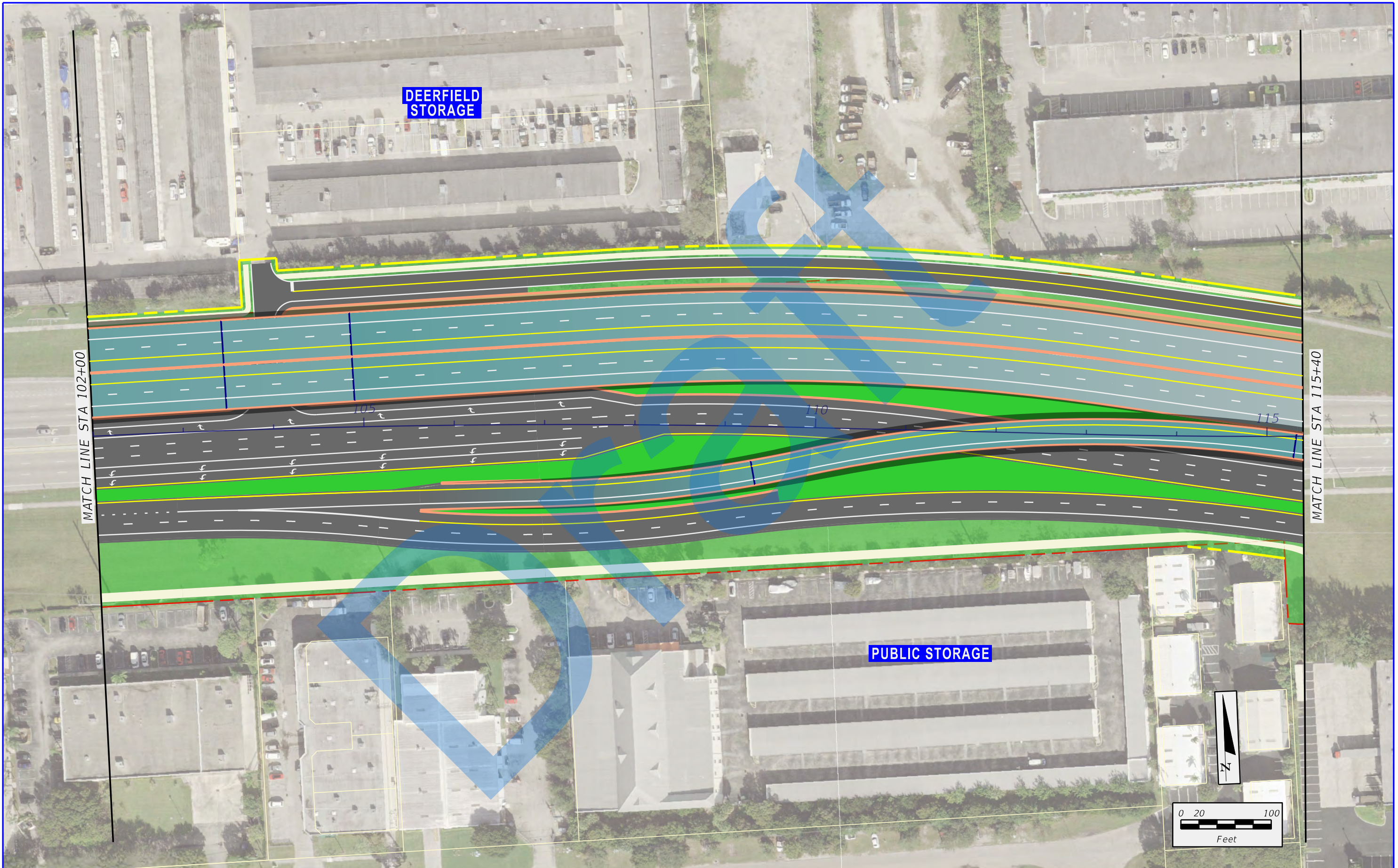


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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE
				SHEET NO. B-46	

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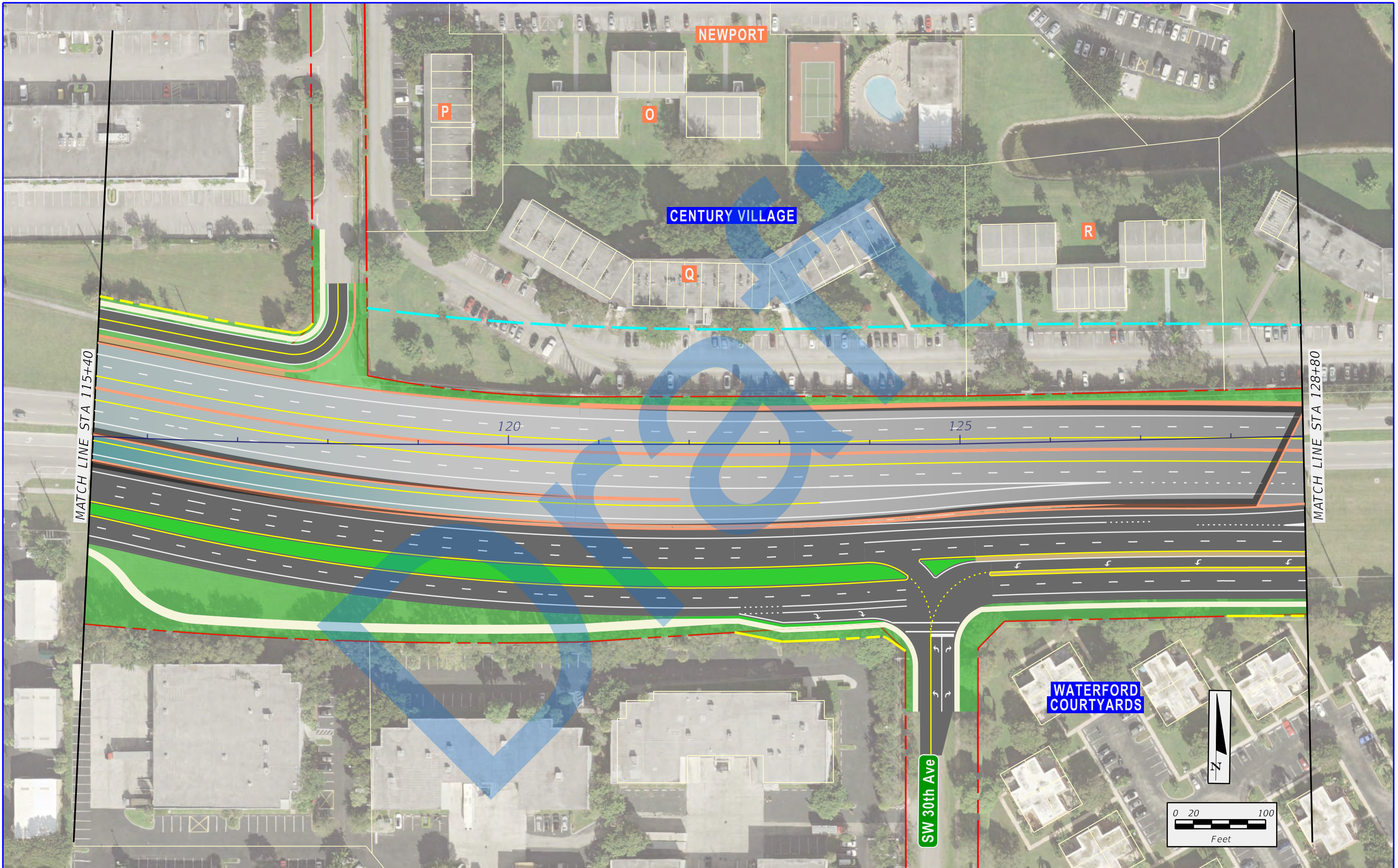


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LEGEND																																							
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES																																				
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST																																				
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE																																				
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE																																				
			PROPOSED 4TH LEVEL BRIDGE																																				
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			PROPOSED SIDEWALK																																				
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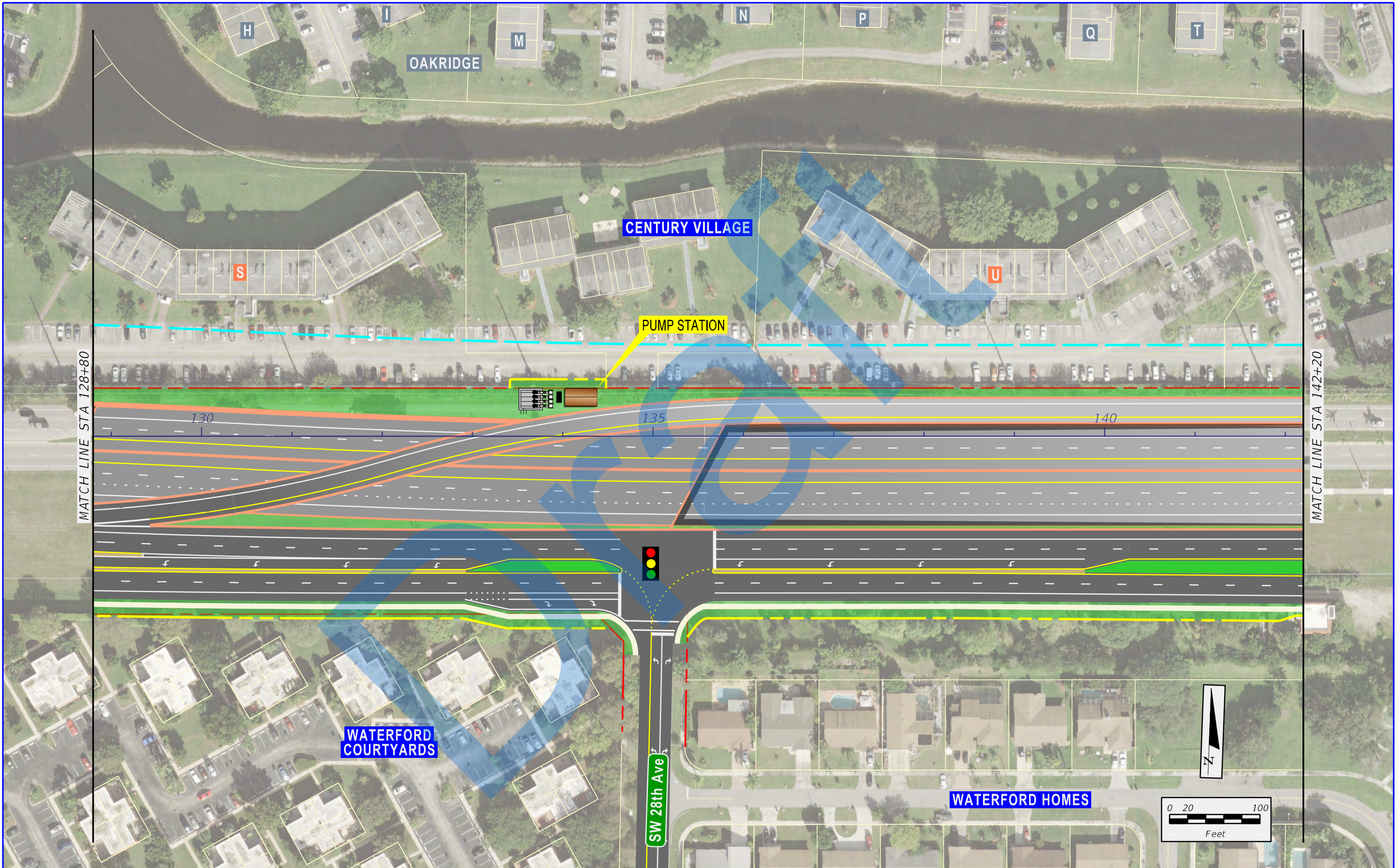


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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE

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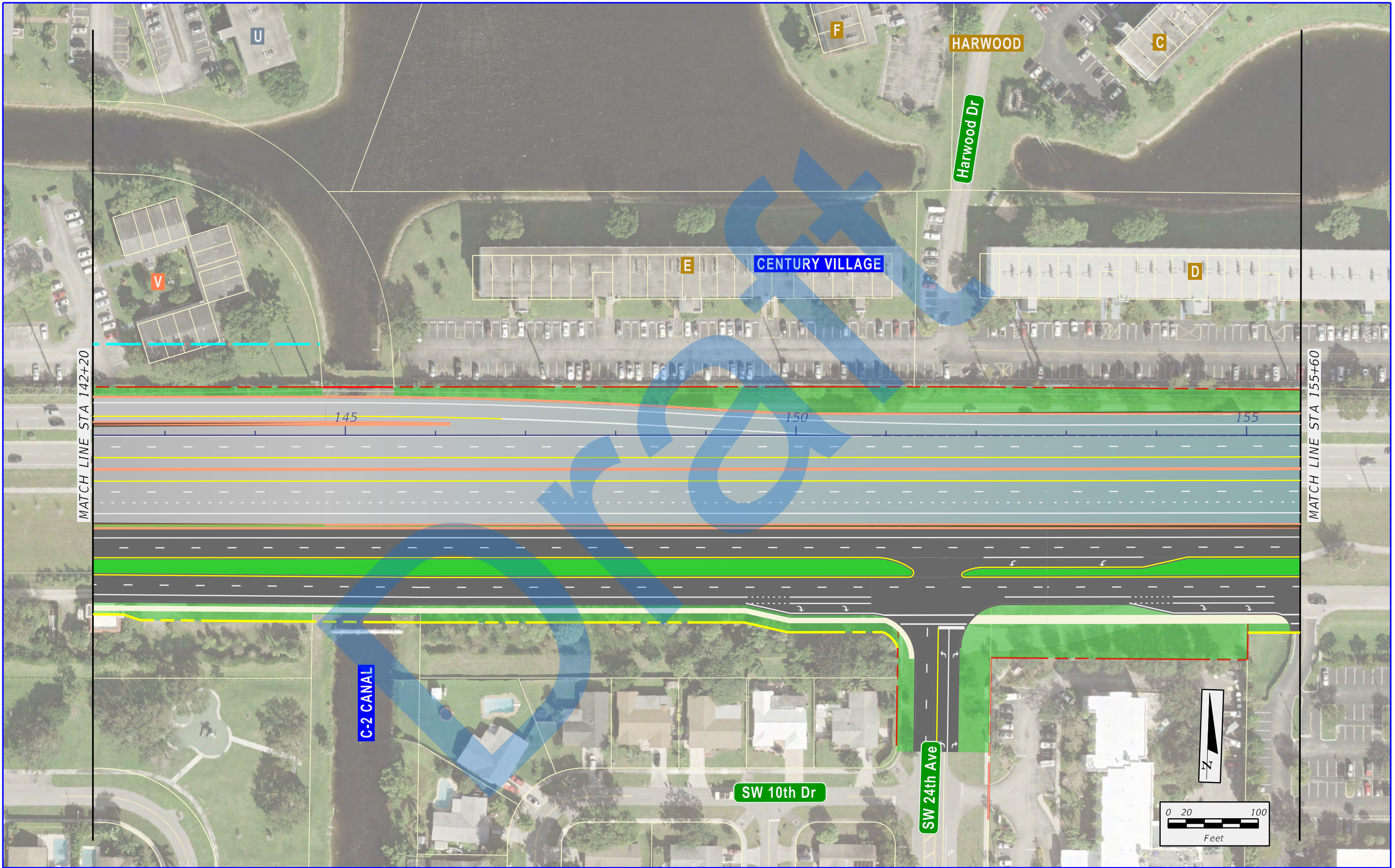


 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND				 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-49
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE					



 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-50
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE				

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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

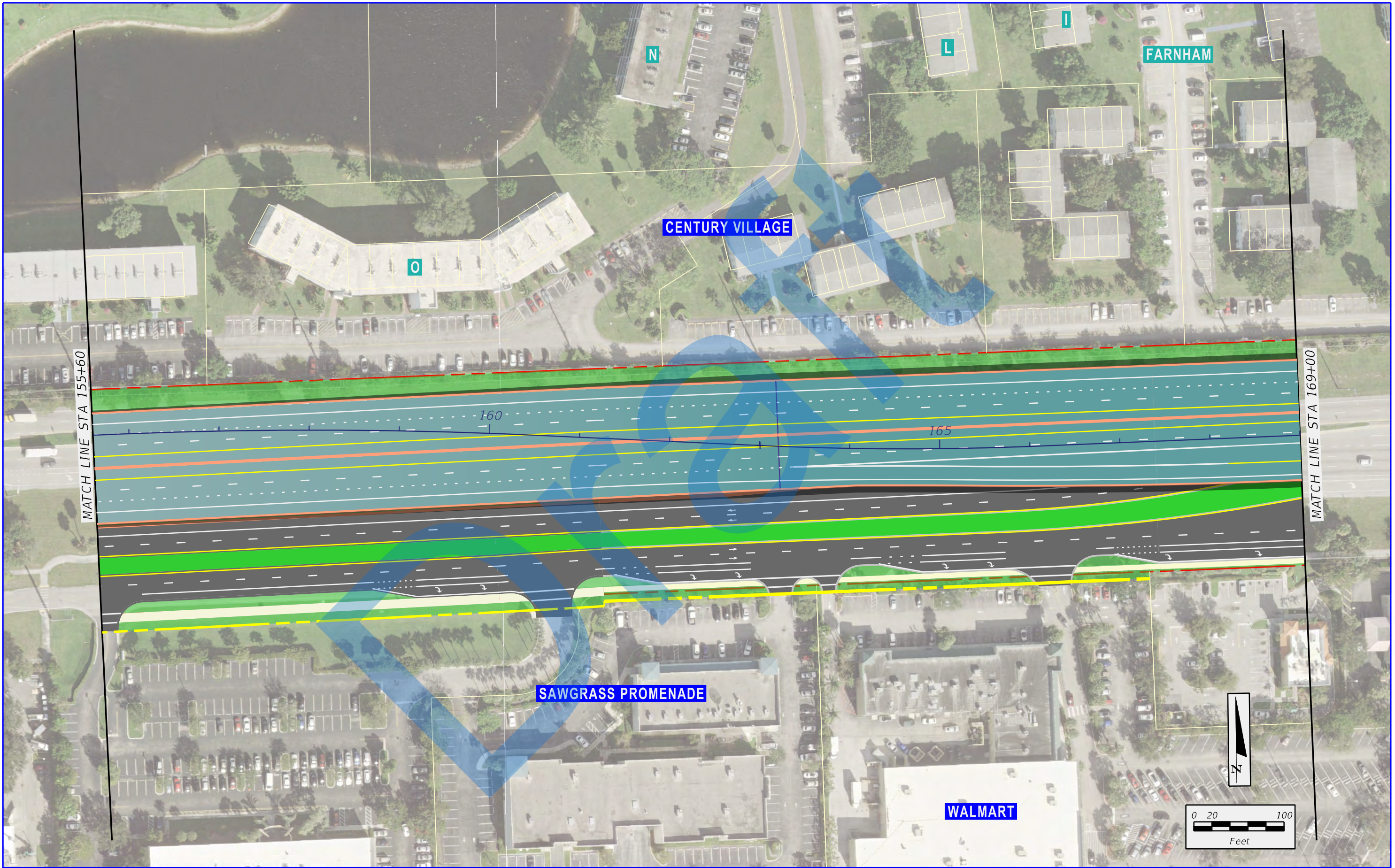
LEGEND

	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B
DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE

SHEET NO.
B-51

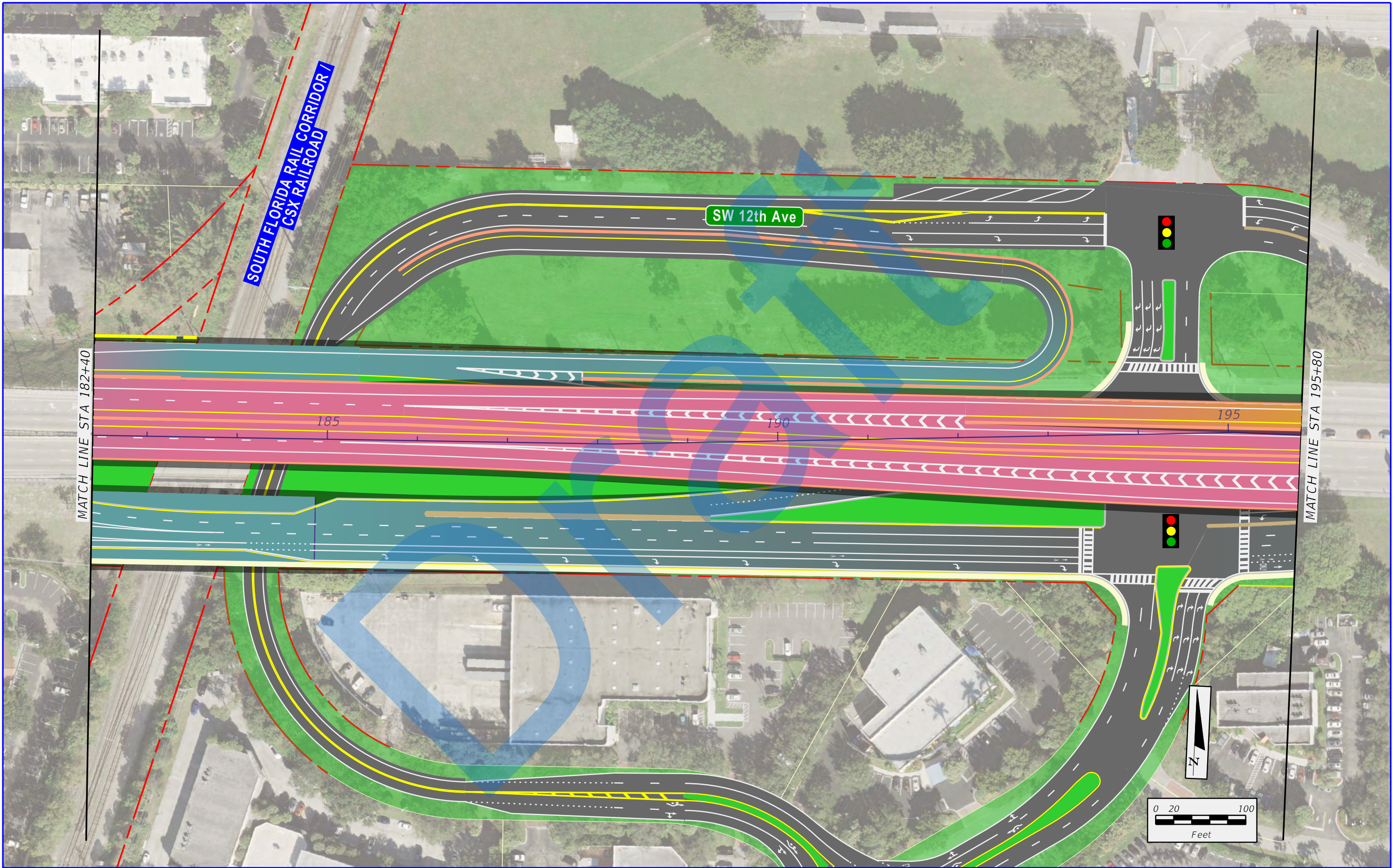
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-52
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE				

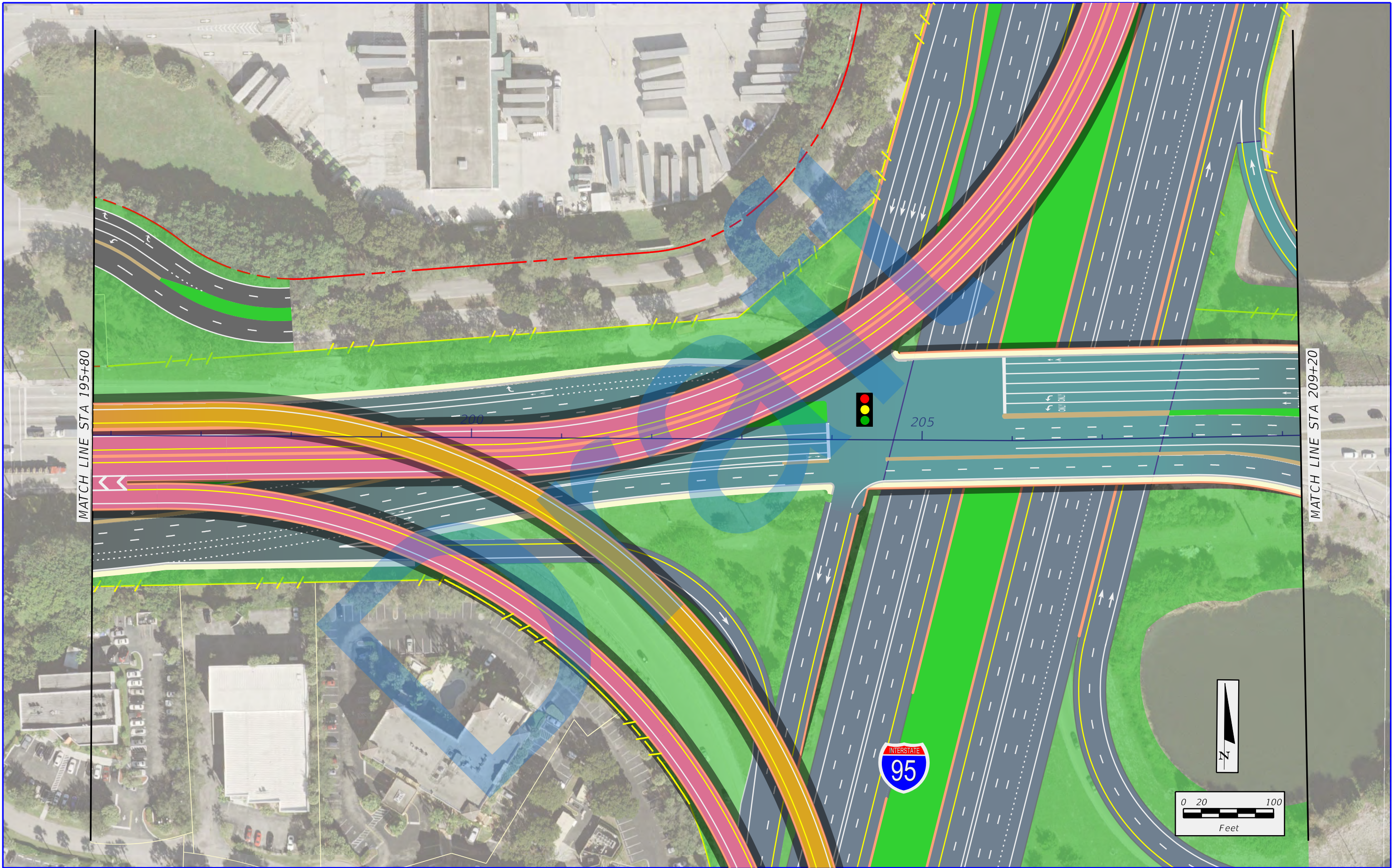


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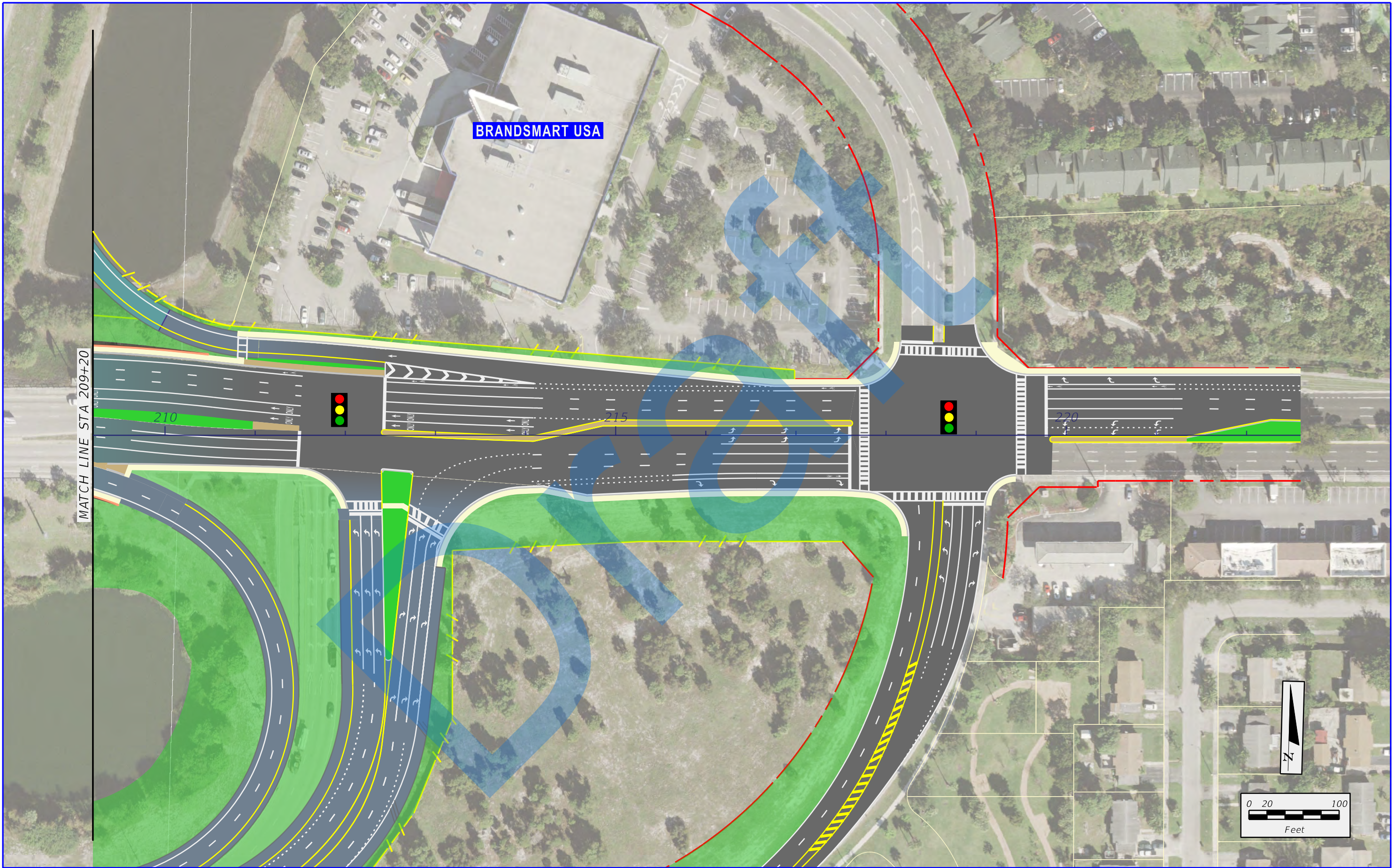
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX B DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES ALTERNATIVE	SHEET NO. B-54
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	<div>LEGEND</div> <div><div><div>---</div>EXISTING RIGHT-OF-WAY</div><div>---</div>EXISTING PARCEL LINES</div> <div><div>---</div>LIMITED ACCESS RIGHT-OF-WAY</div> <div><div>---</div>PROPOSED RIGHT-OF-WAY</div>
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PROPOSED MANAGED LANES

PROPOSED LOCAL SW 10TH ST

PROPOSED 2ND LEVEL BRIDGE

PROPOSED 3RD LEVEL BRIDGE

PROPOSED 4TH LEVEL BRIDGE

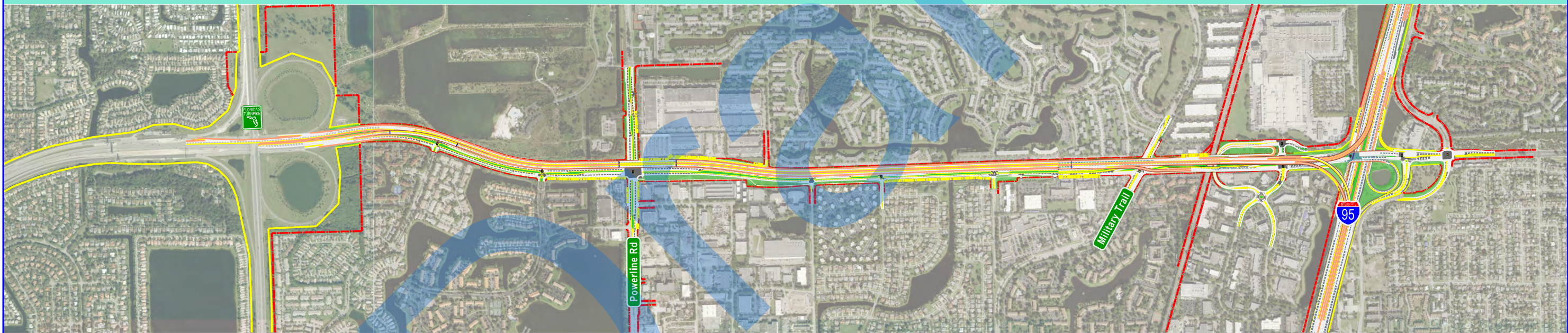
TEMPORARY EASEMENT

PROPOSED SIDEWALK

PROPOSED TRAFFIC SIGNAL

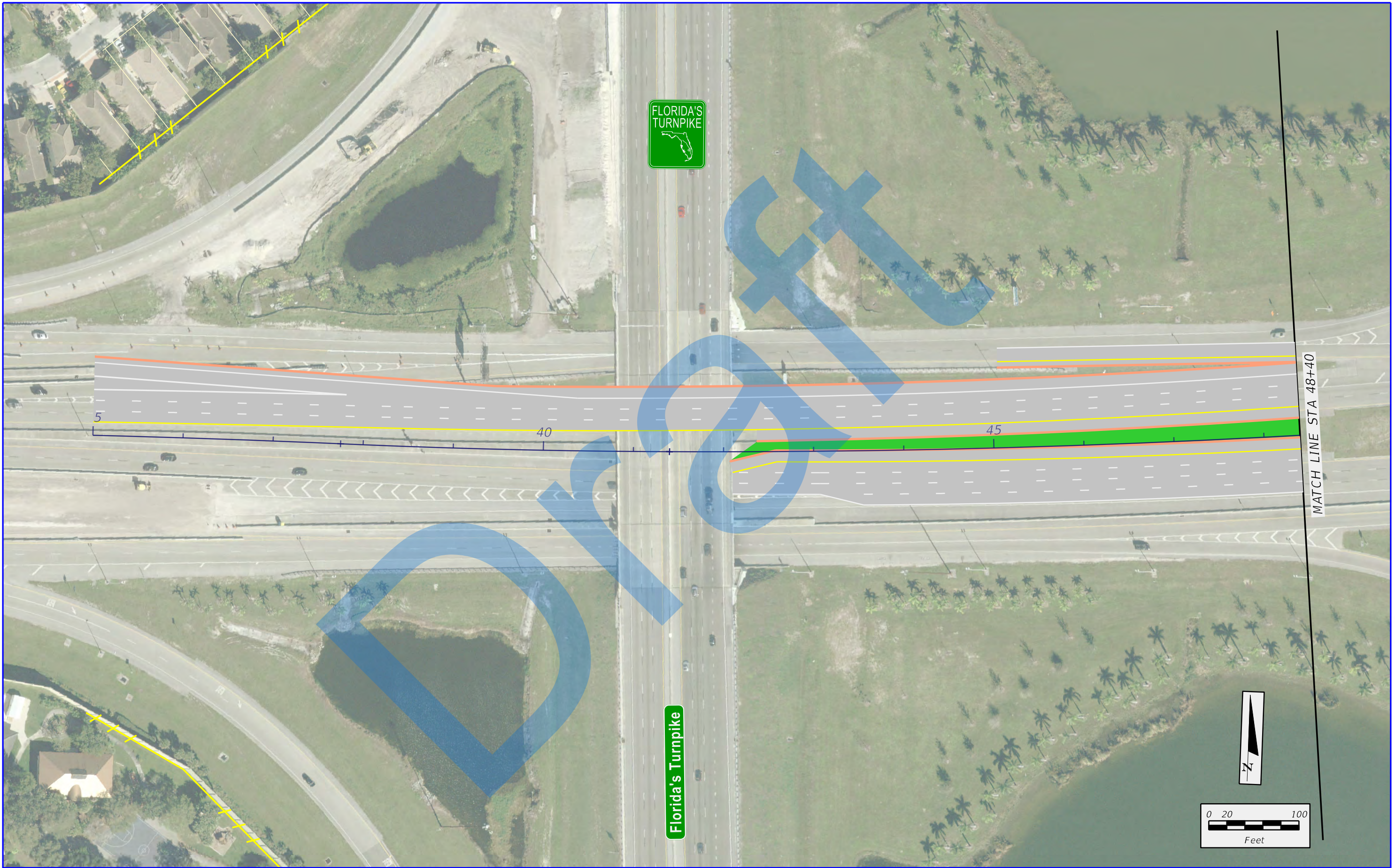
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NON-DEPRESSED / NO MANAGED LANE ACCESS ALTERNATIVE



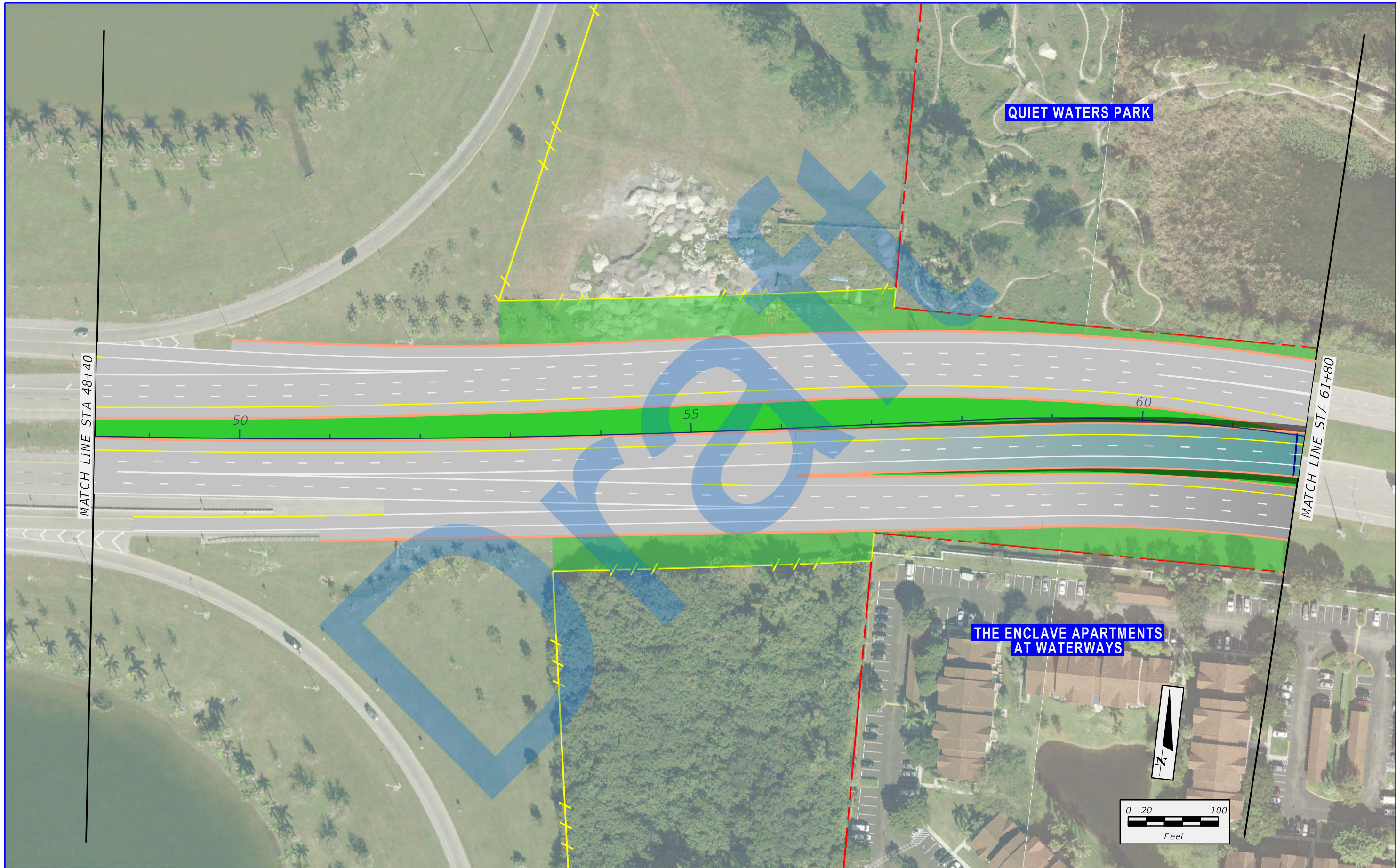
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291









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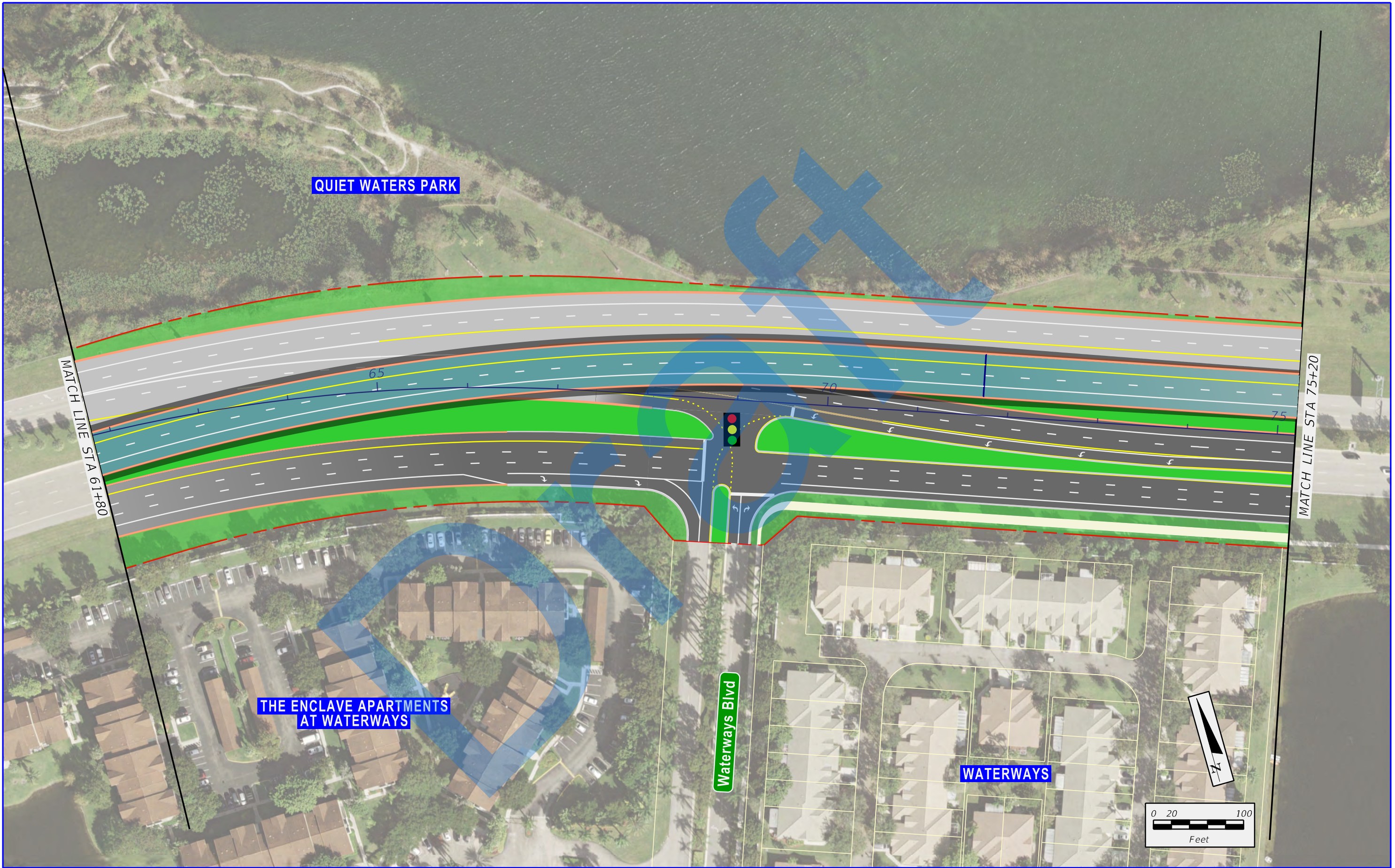
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-57			

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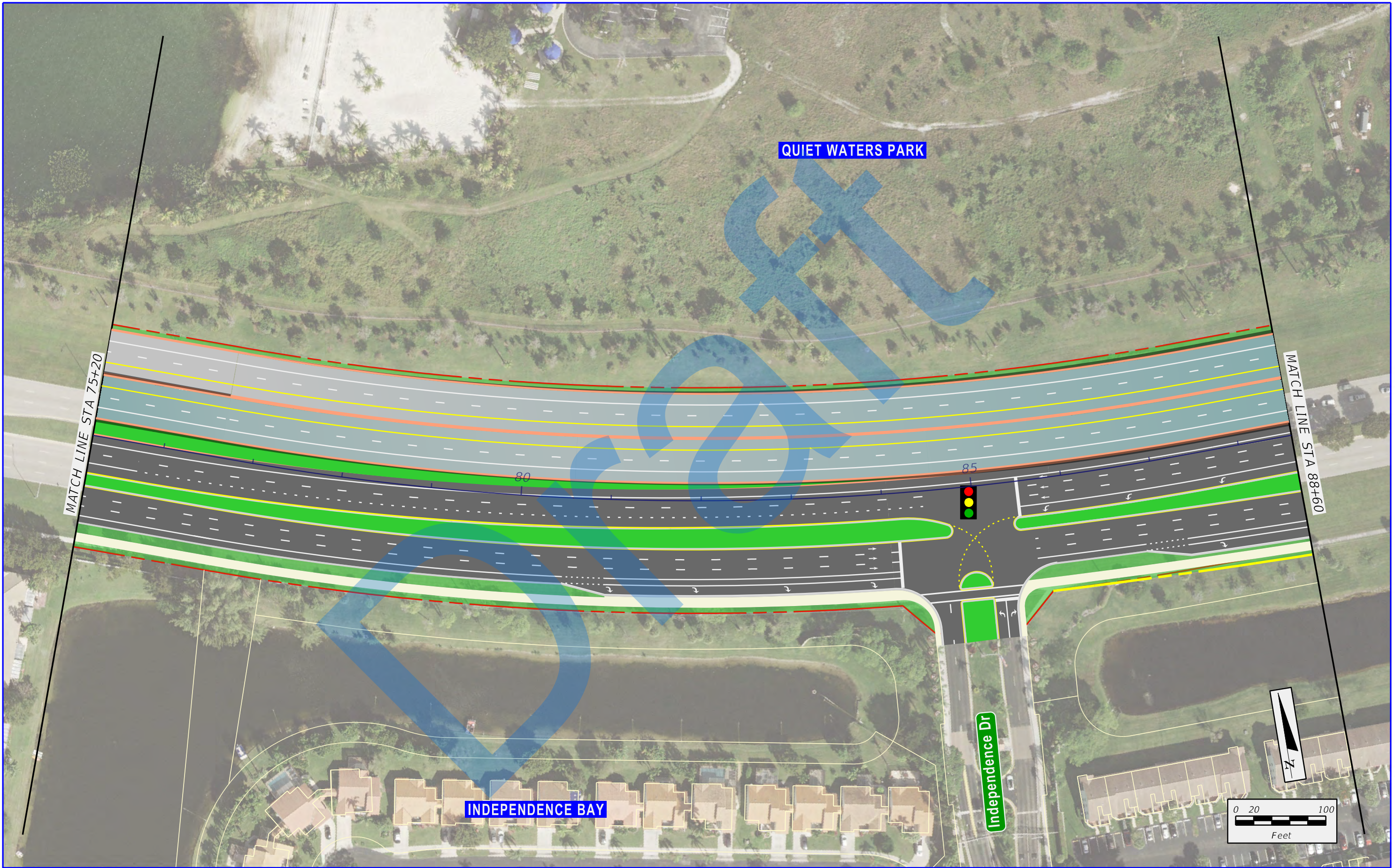
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	SHEET NO. B-58				

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95

Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND					
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B

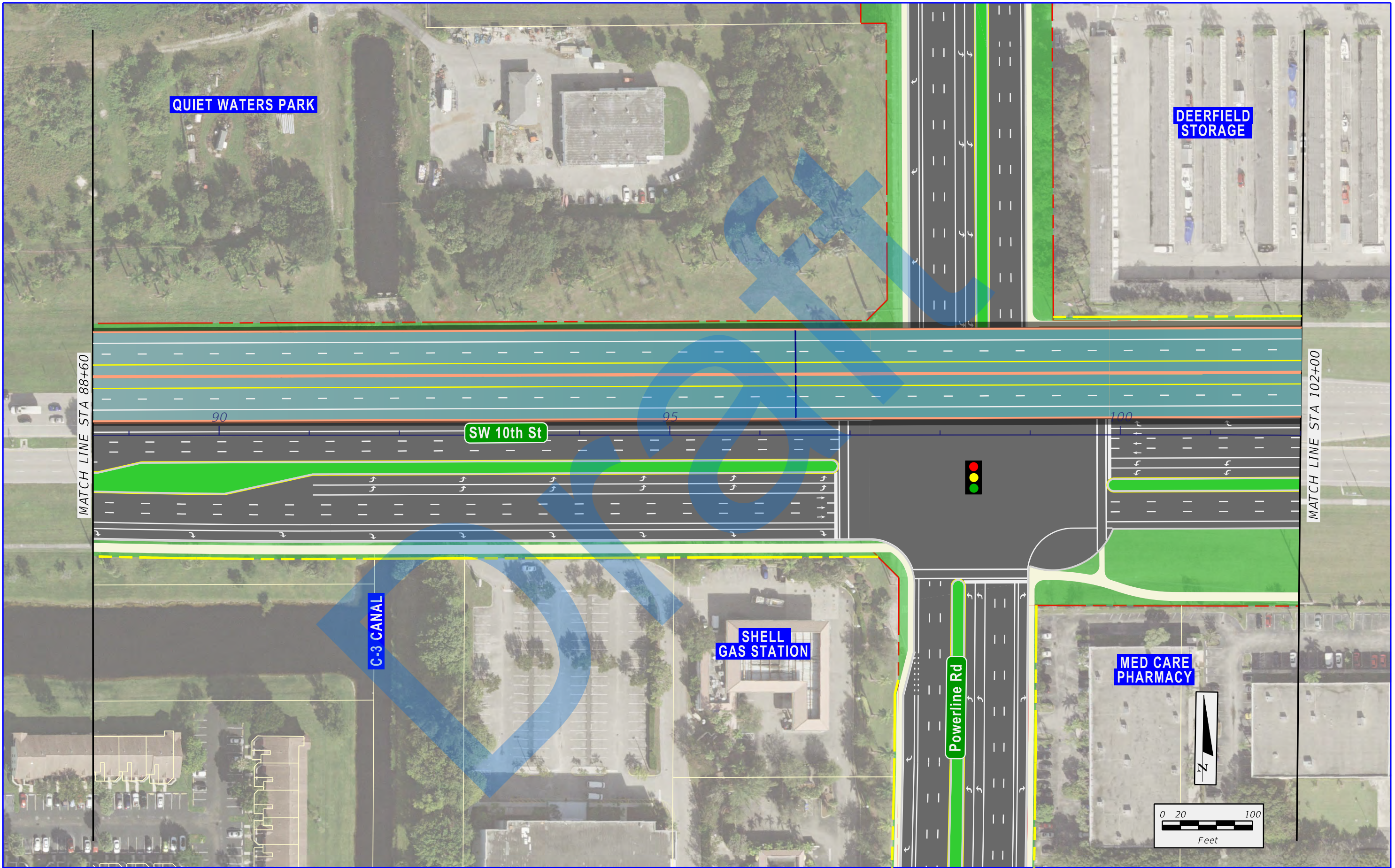
NON-DEPRESSED / NO MANAGED

LANE ACCESS ALTERNATIVE

SHEET NO.

B-60

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND

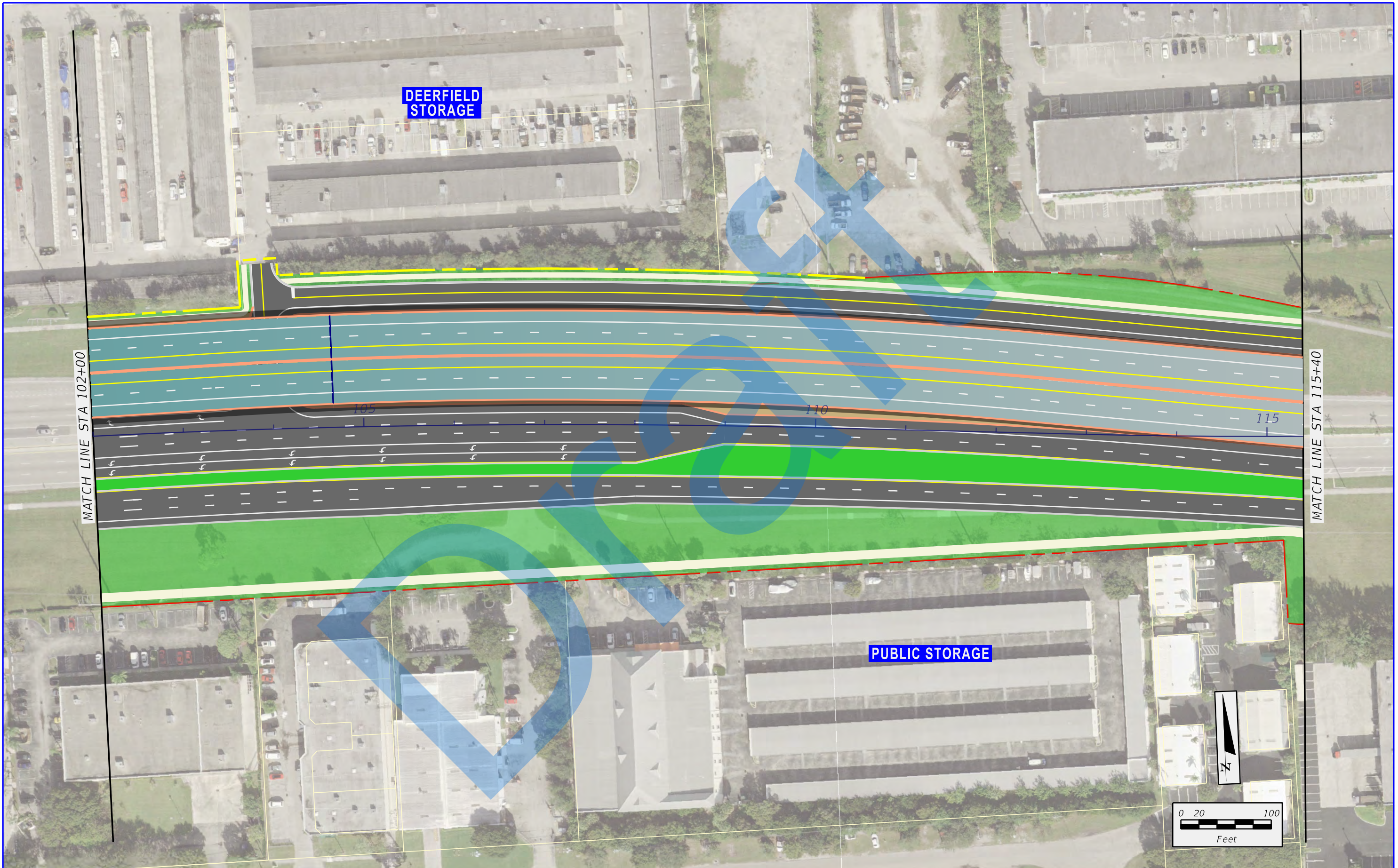
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	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX B
NON-DEPRESSED / NO MANAGED
LANE ACCESS ALTERNATIVE

SHEET
NO.

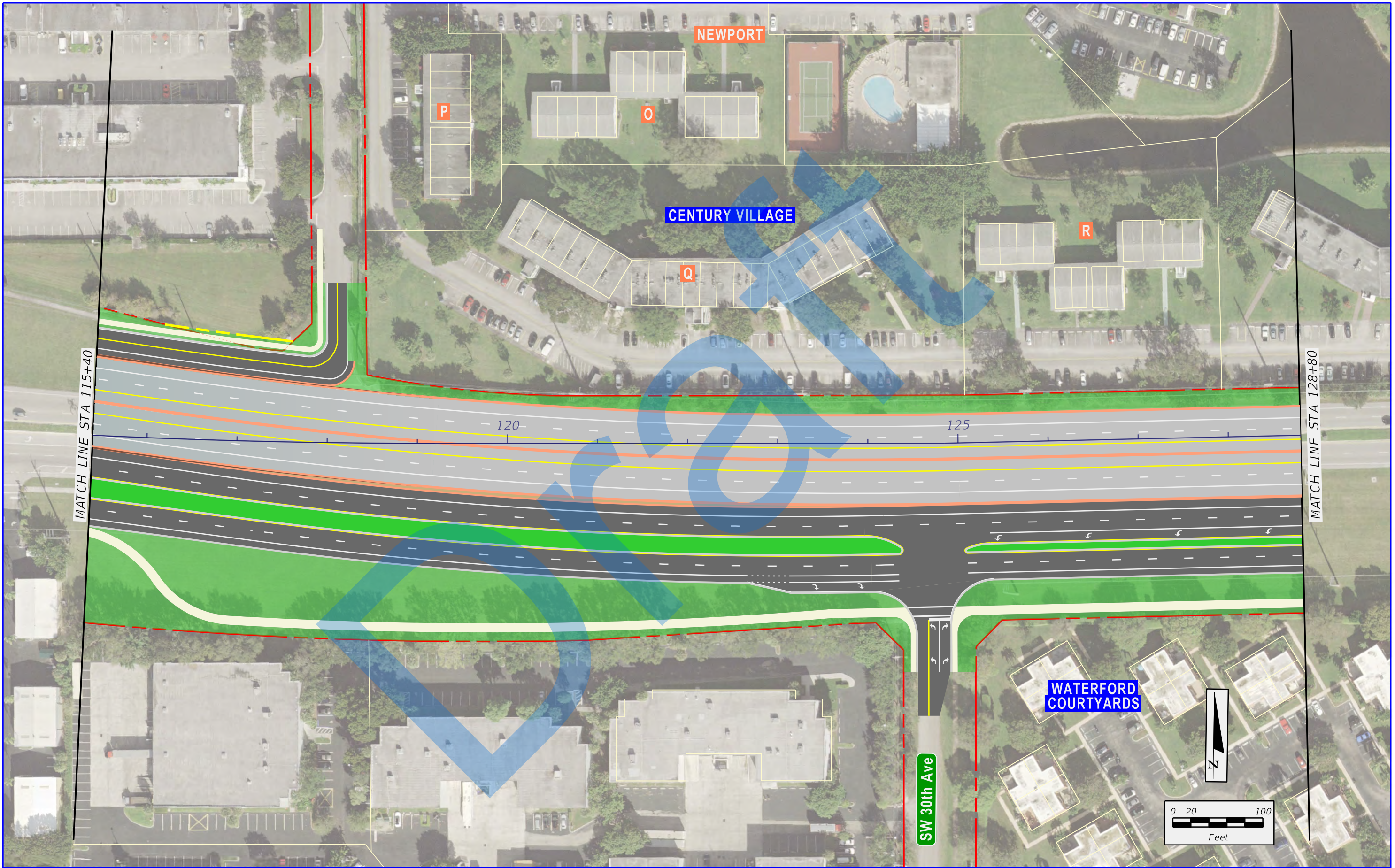
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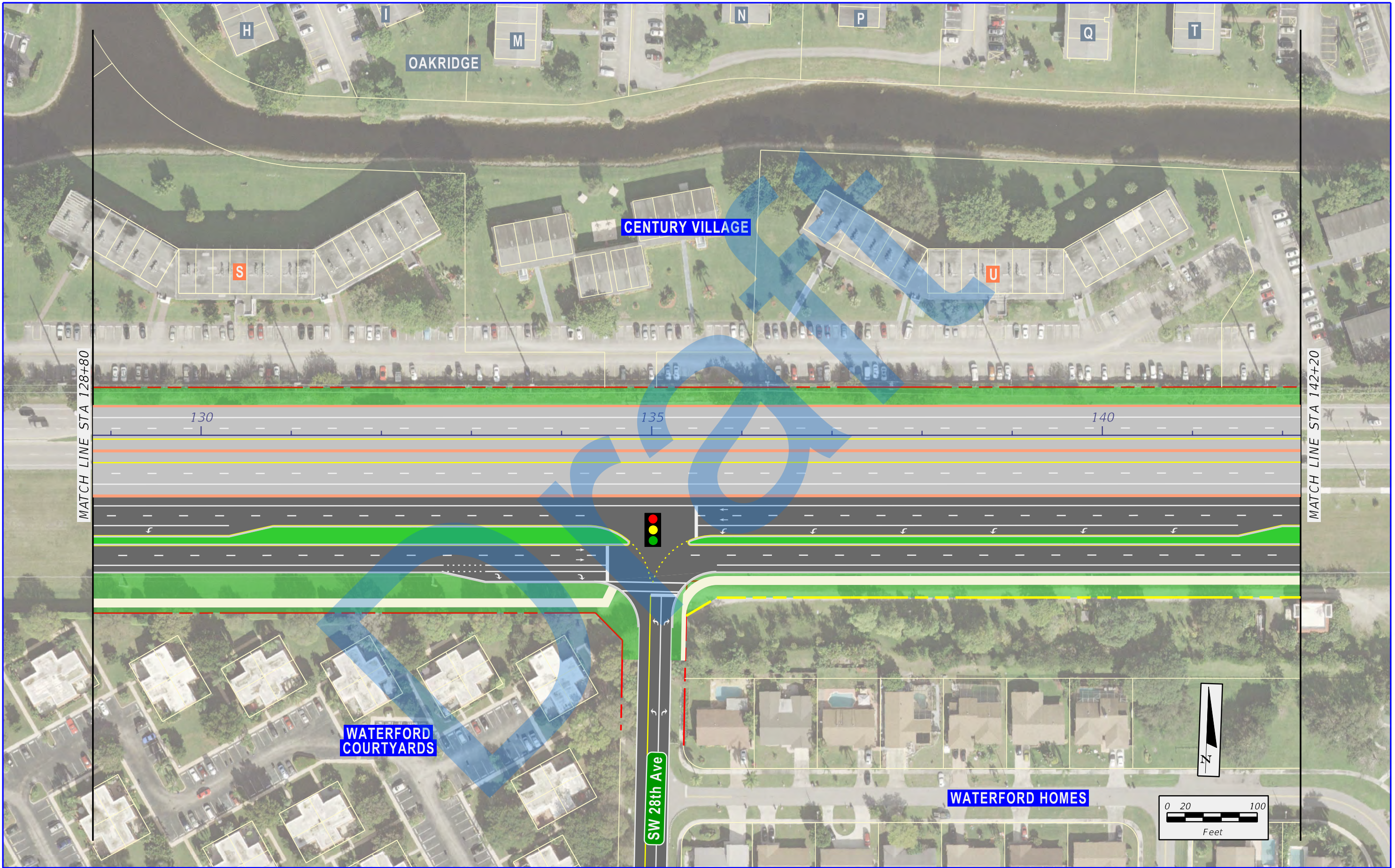
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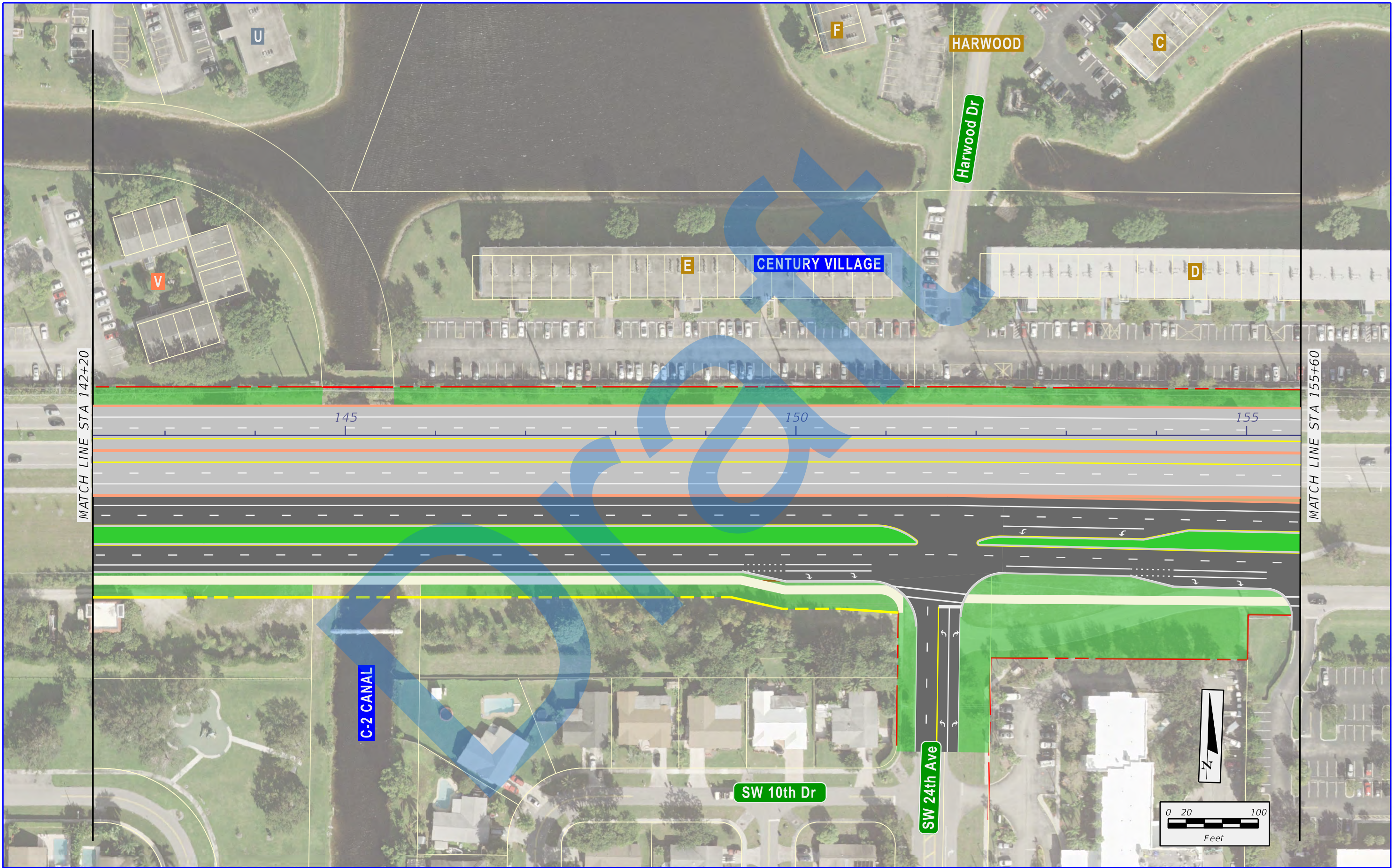
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE				

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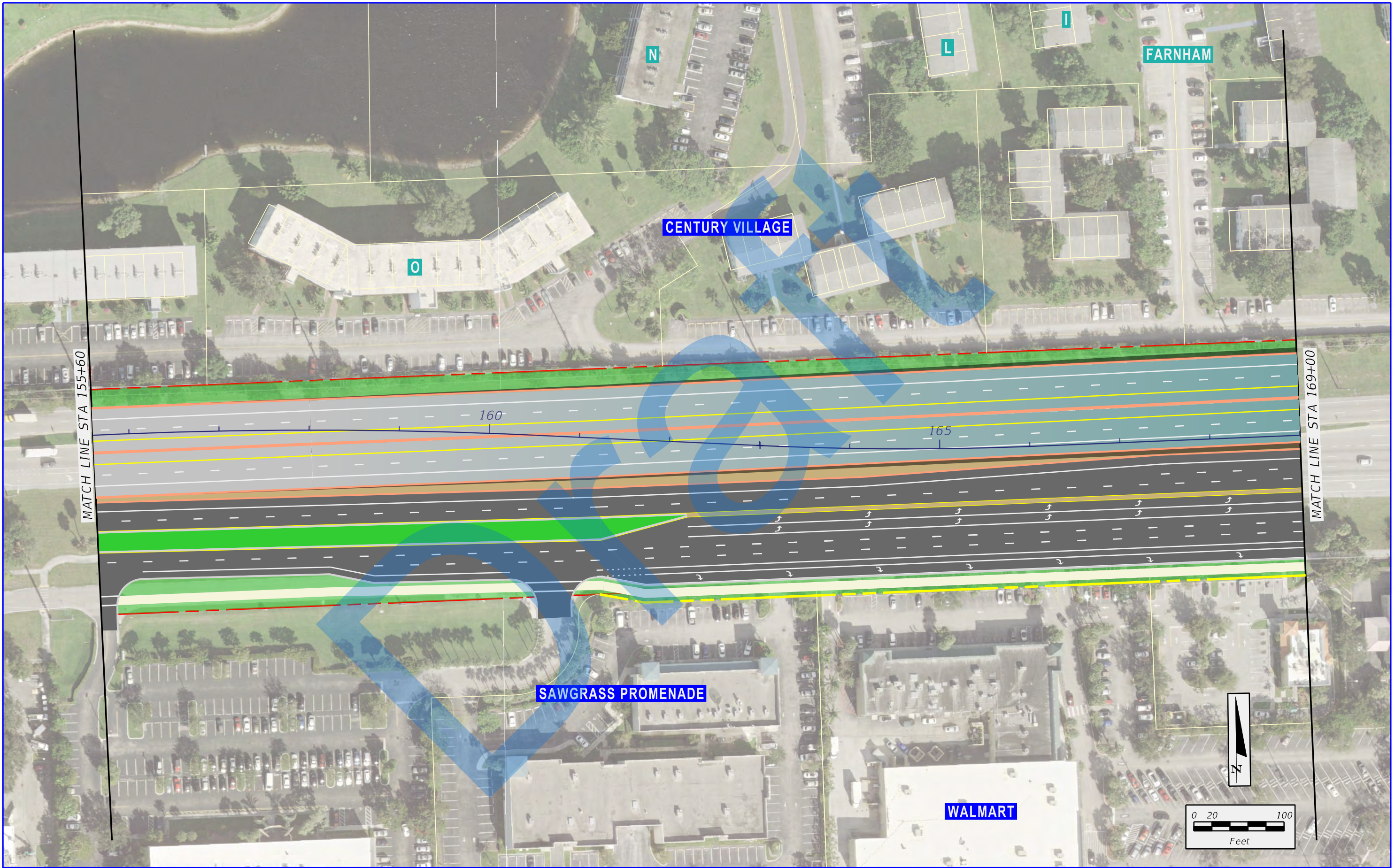
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX B NON-DEPRESSED / NO MANAGED LANE ACCESS ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-65			

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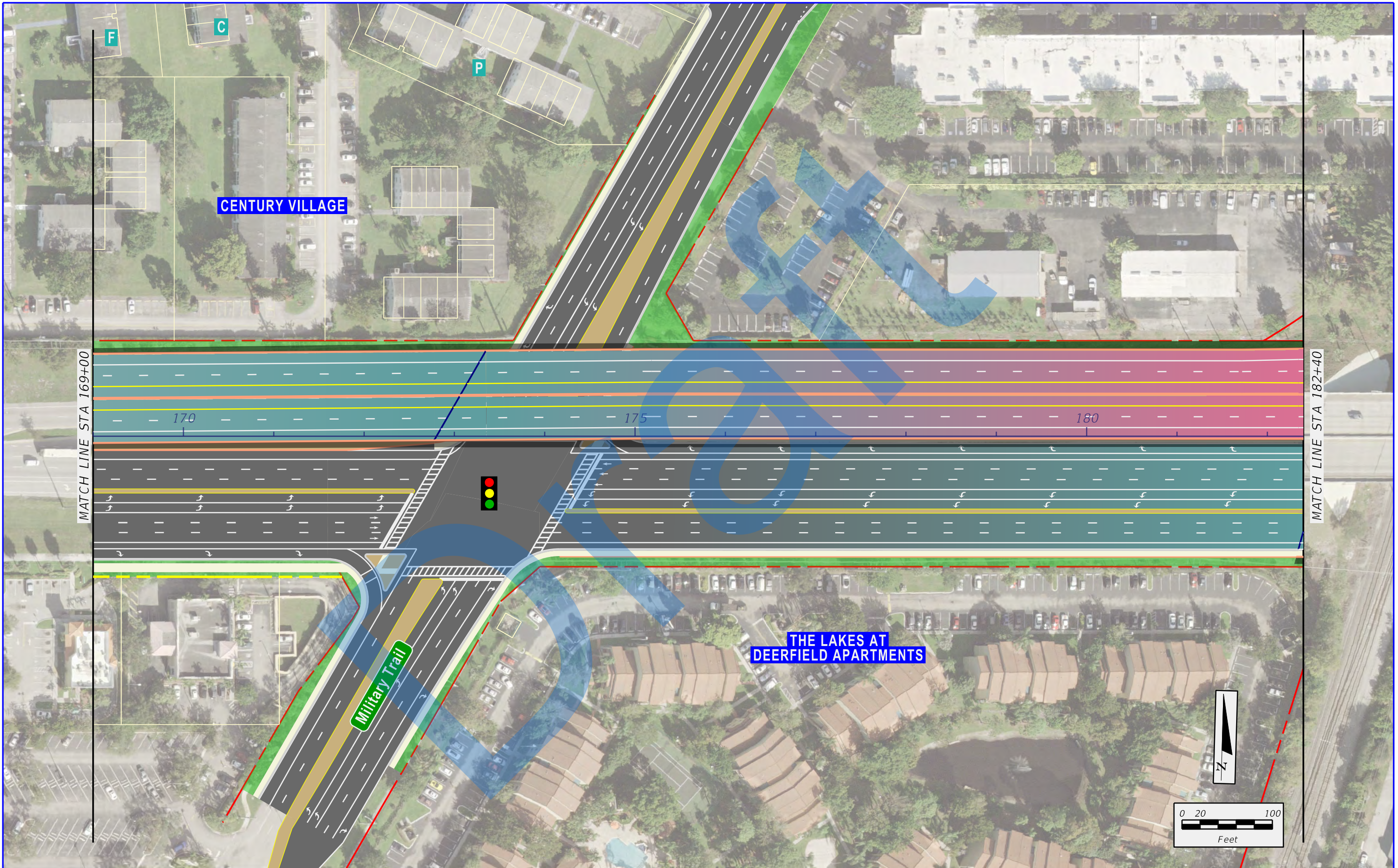
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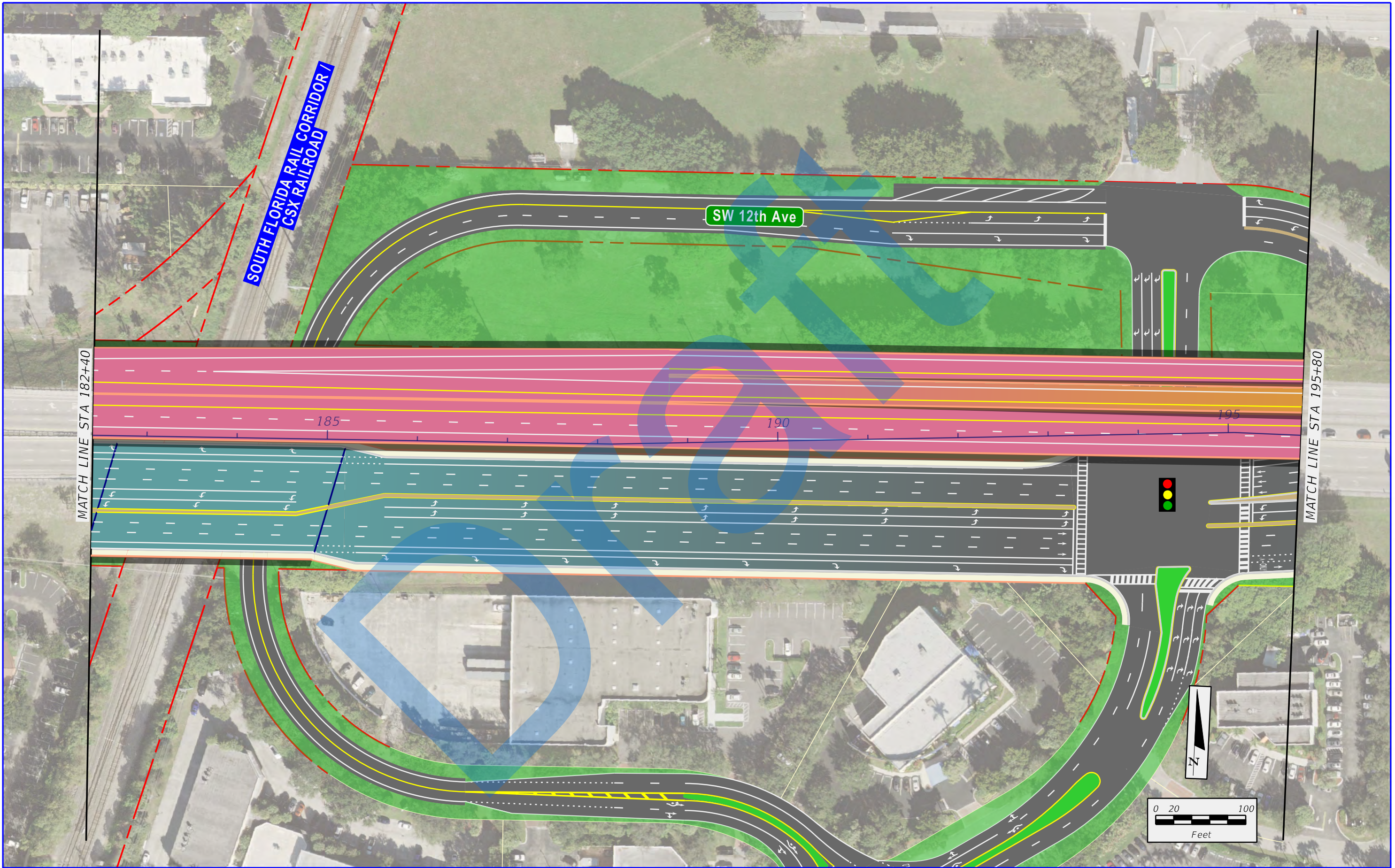
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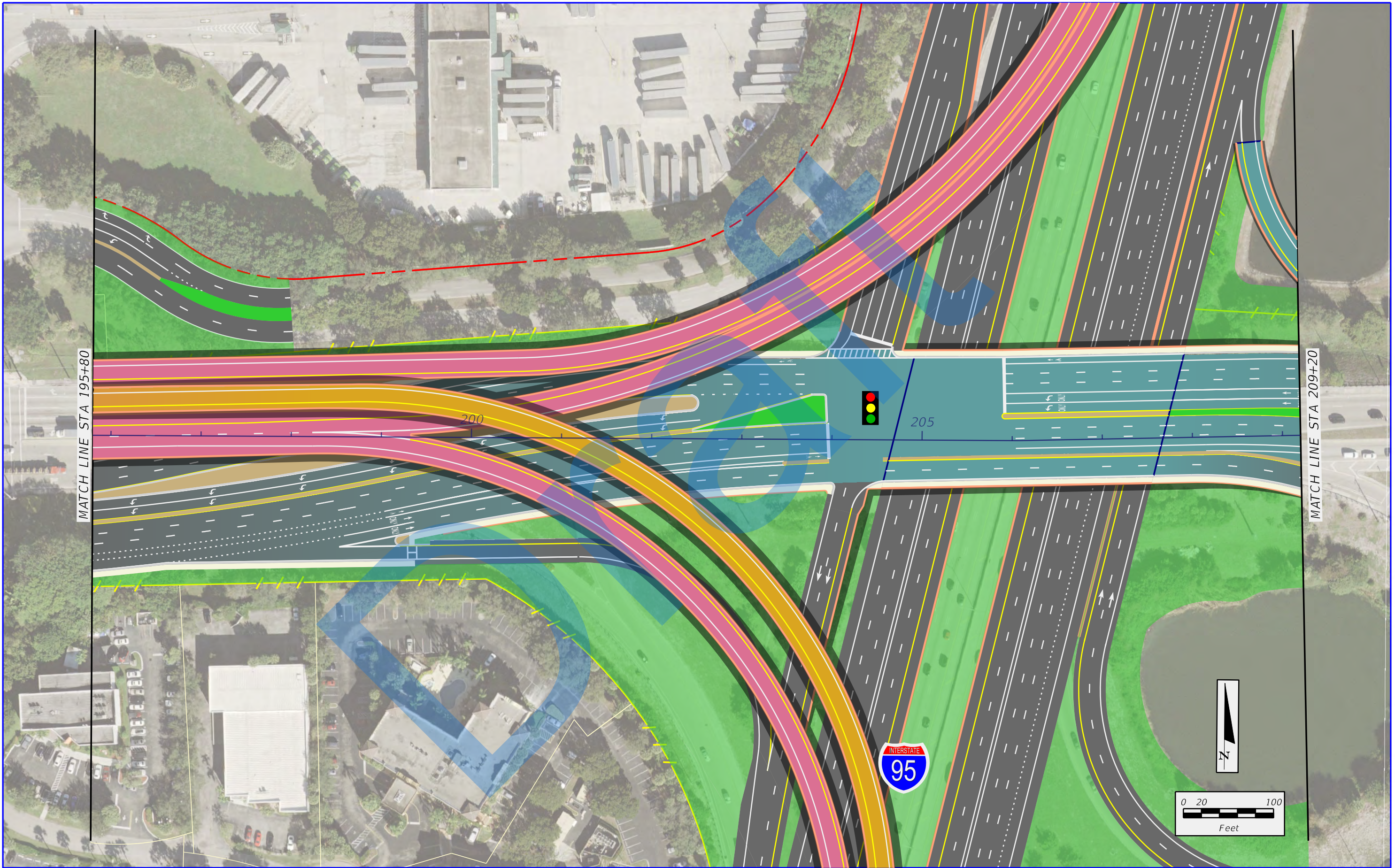
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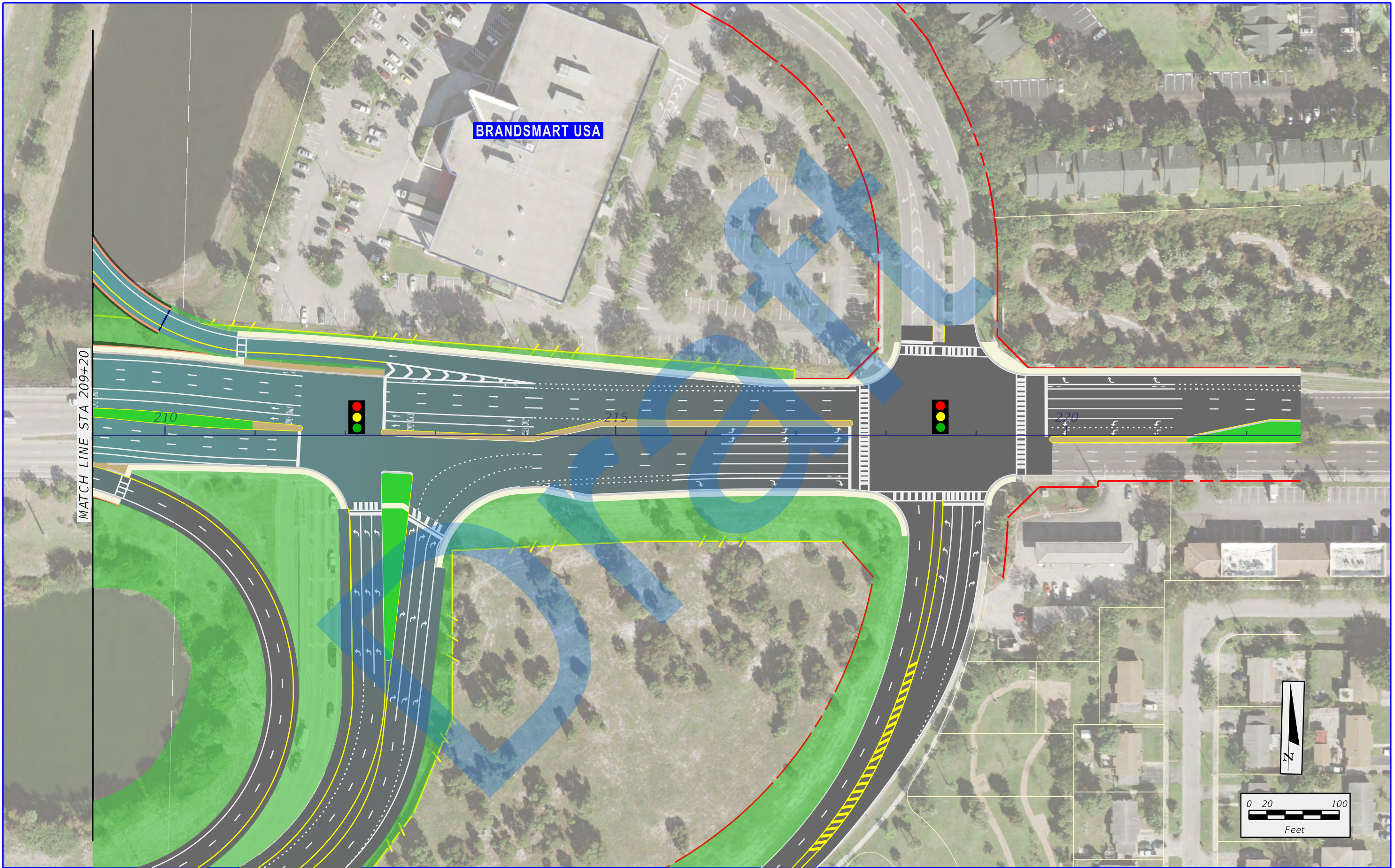
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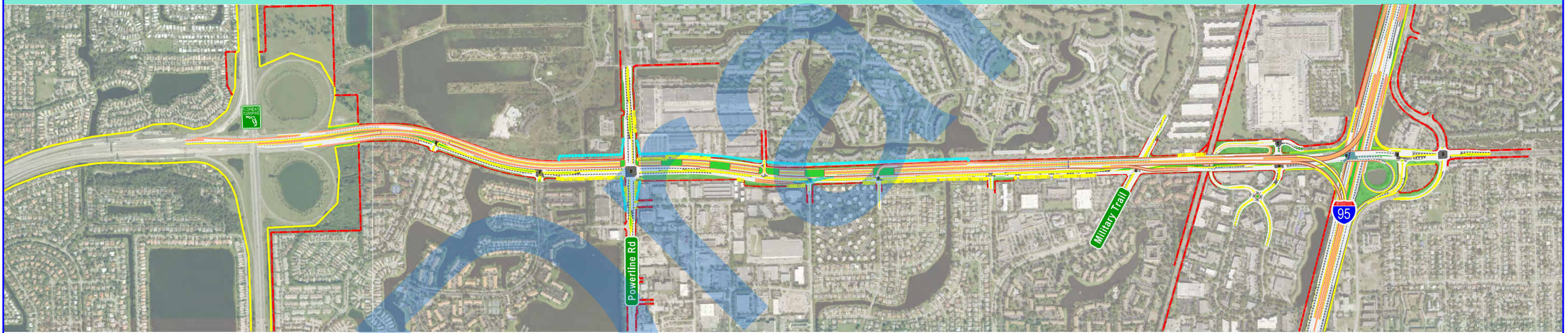
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	B-70			

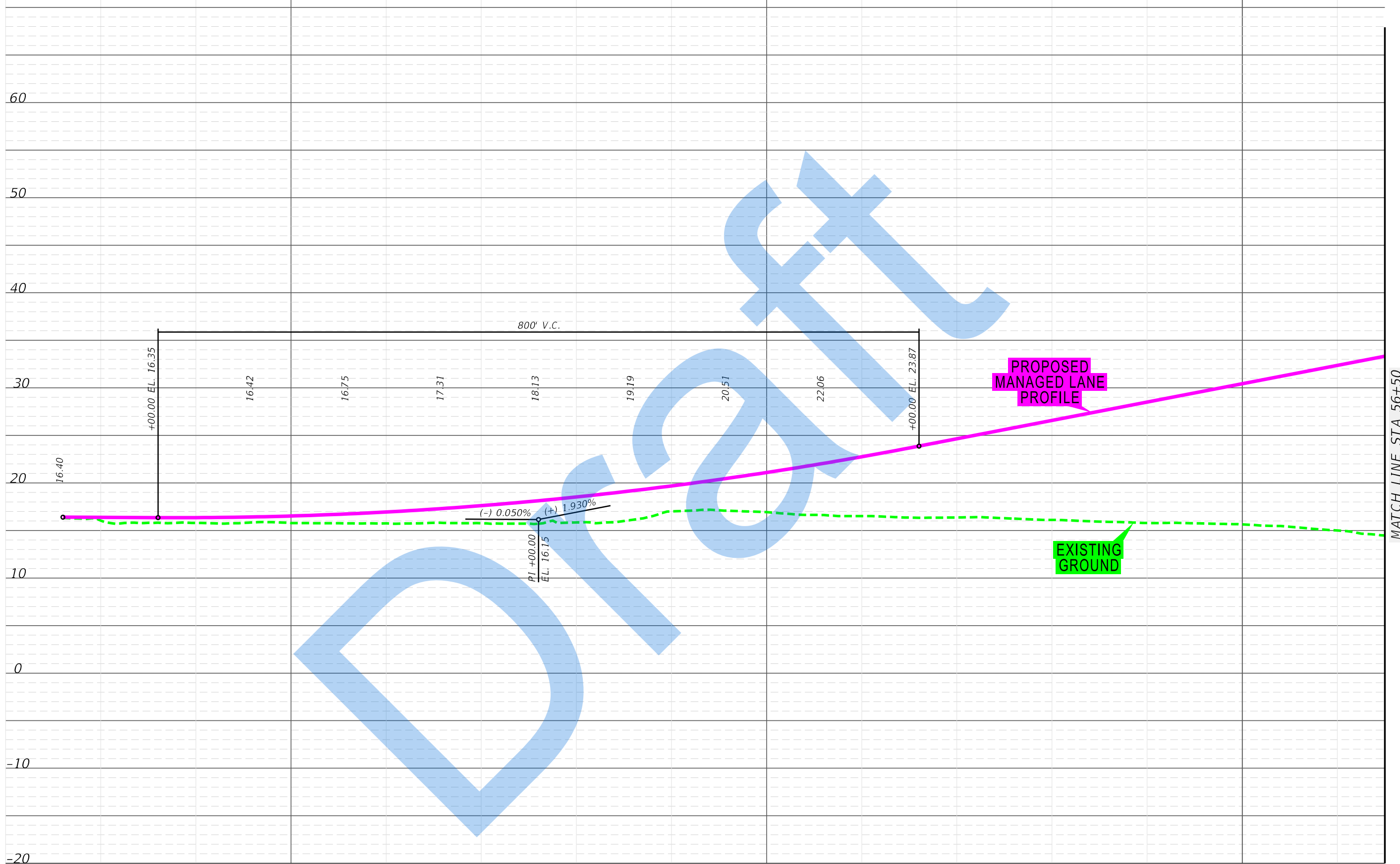
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FULL DEPRESSED PROFILE SHEETS

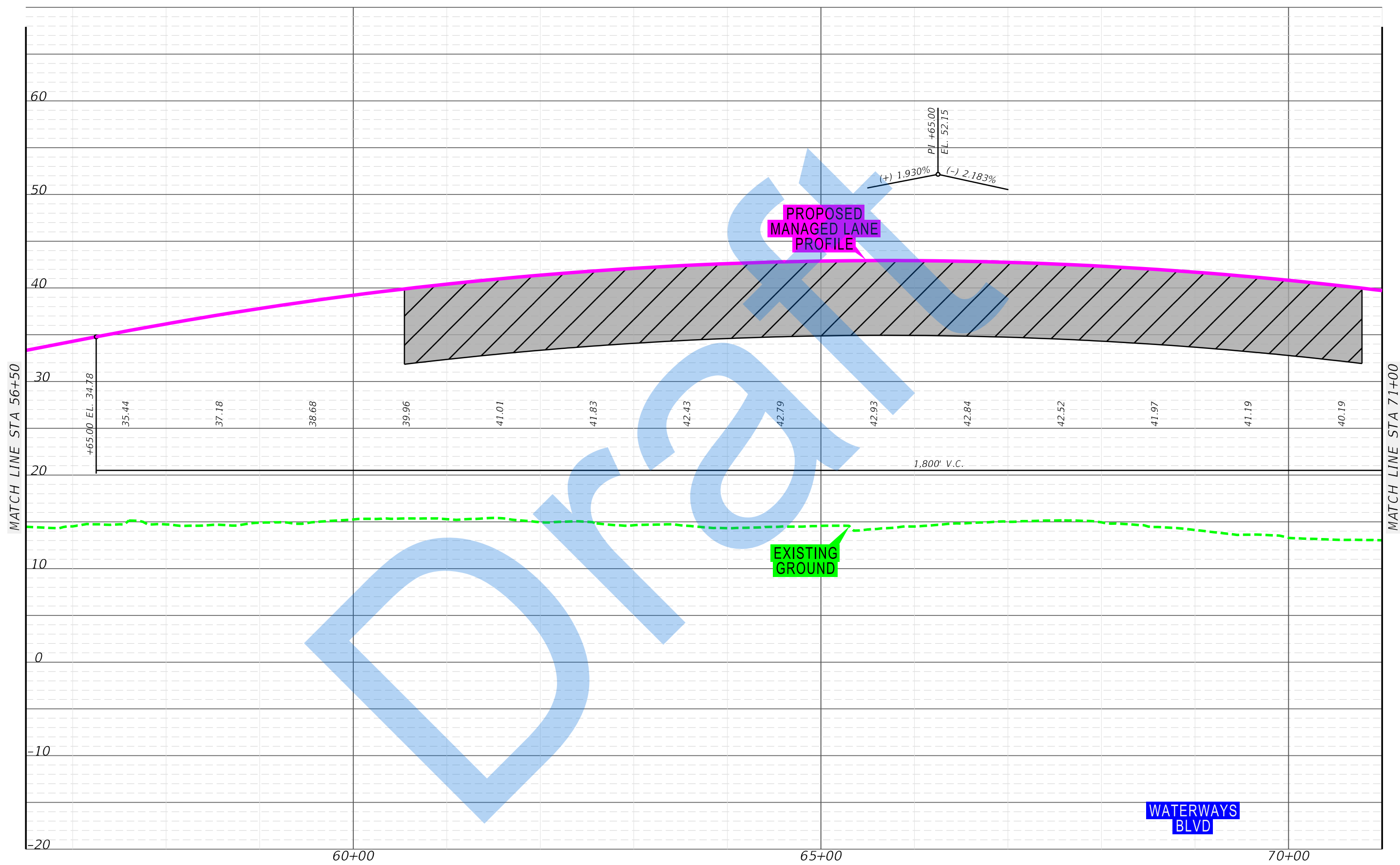


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

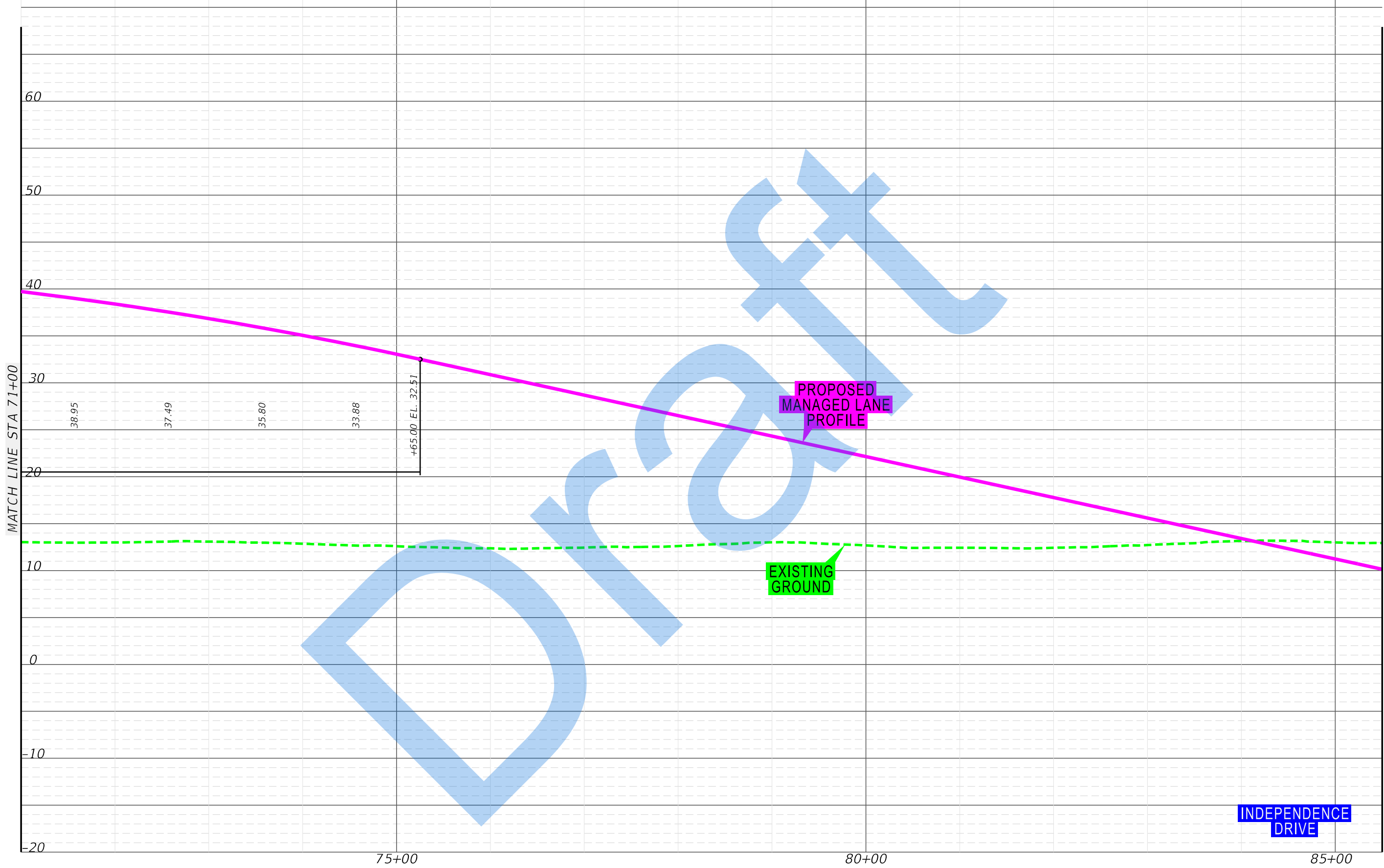
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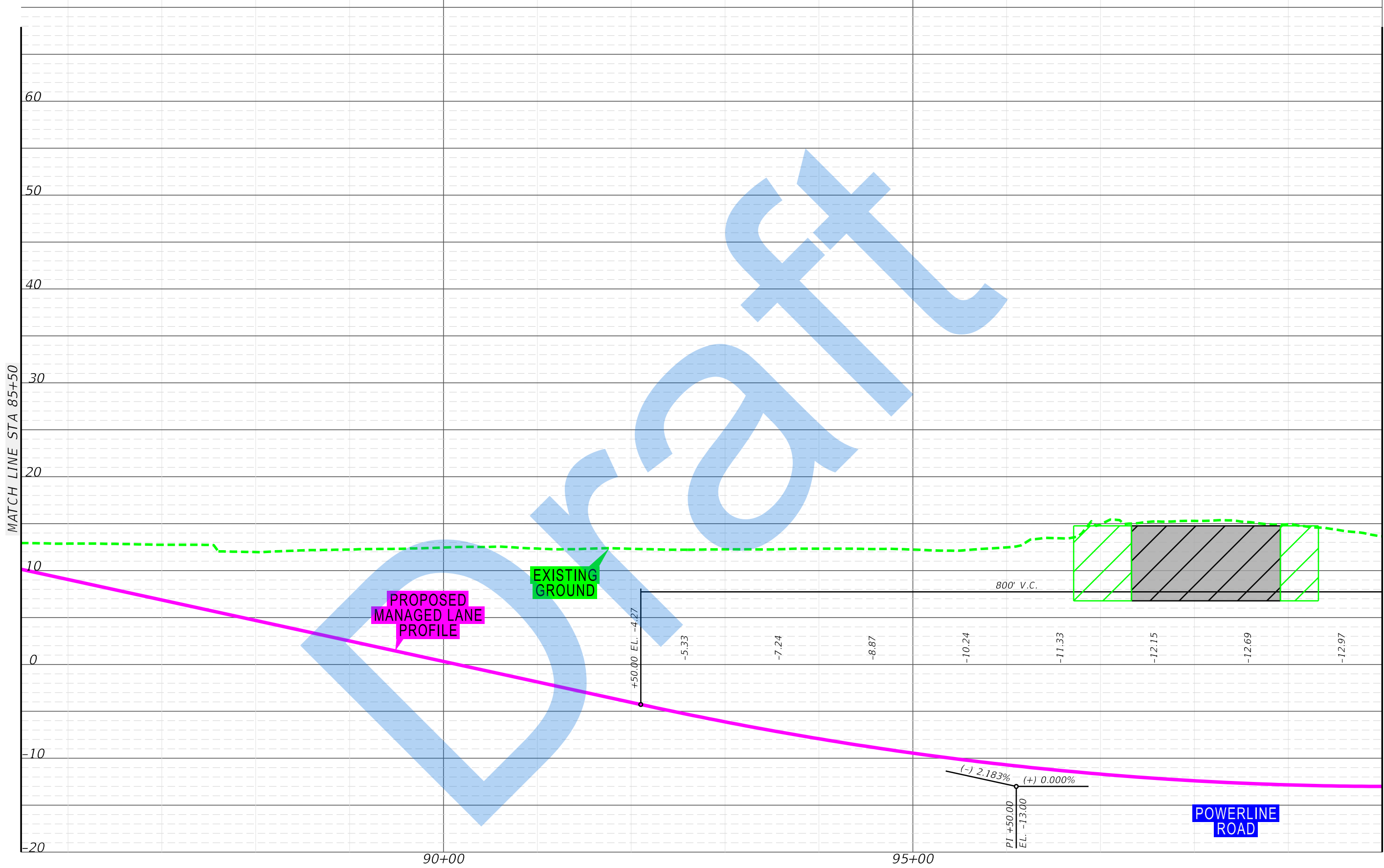
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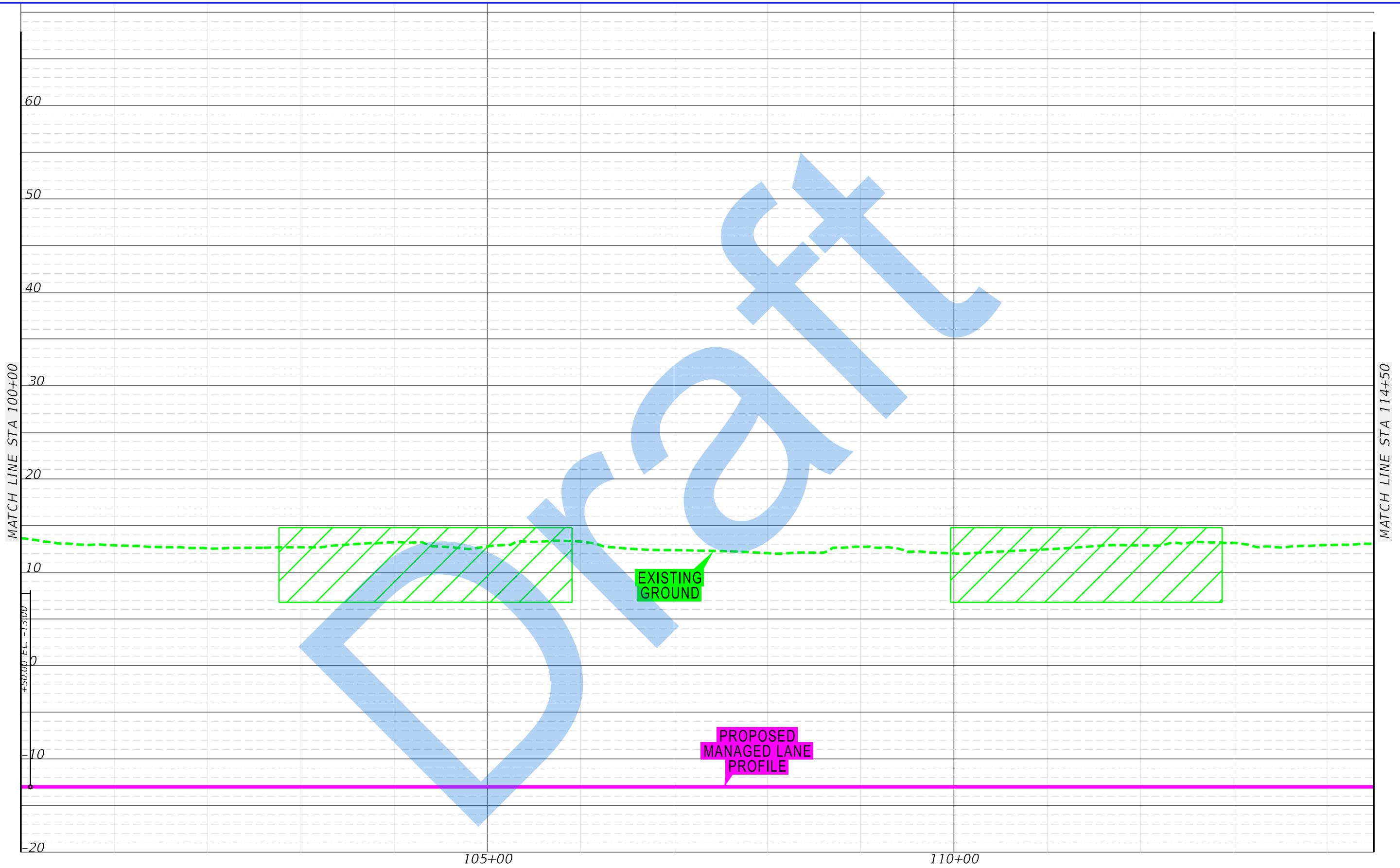
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

APPENDIX B
FULL DEPRESSED
PROFILE

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

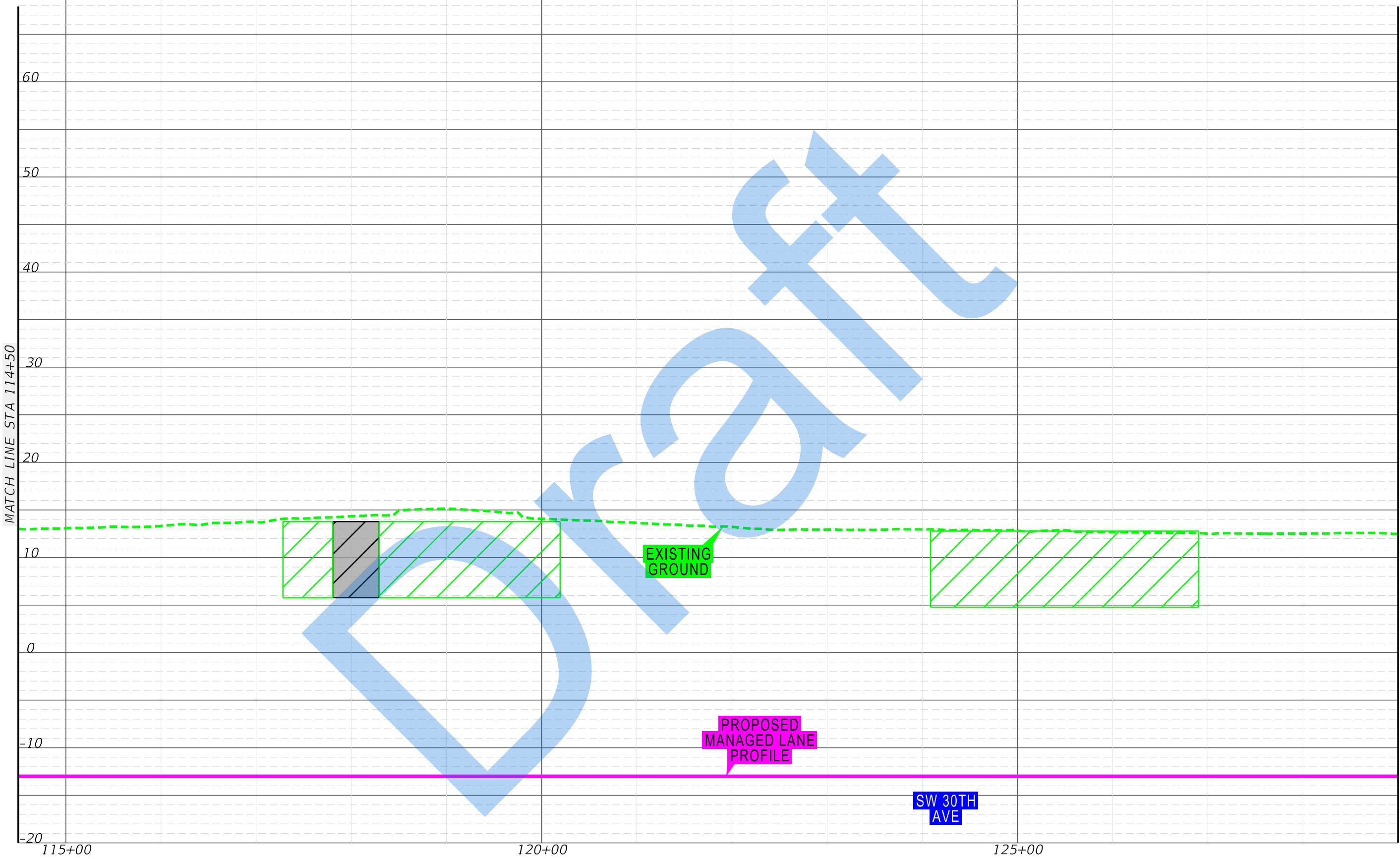
APPENDIX B
FULL DEPRESSED
PROFILE

SHEET
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B-75

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MATCH LINE STA 114+50



MATCH LINE STA 129+00



SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

APPENDIX B
FULL DEPRESSED
PROFILE

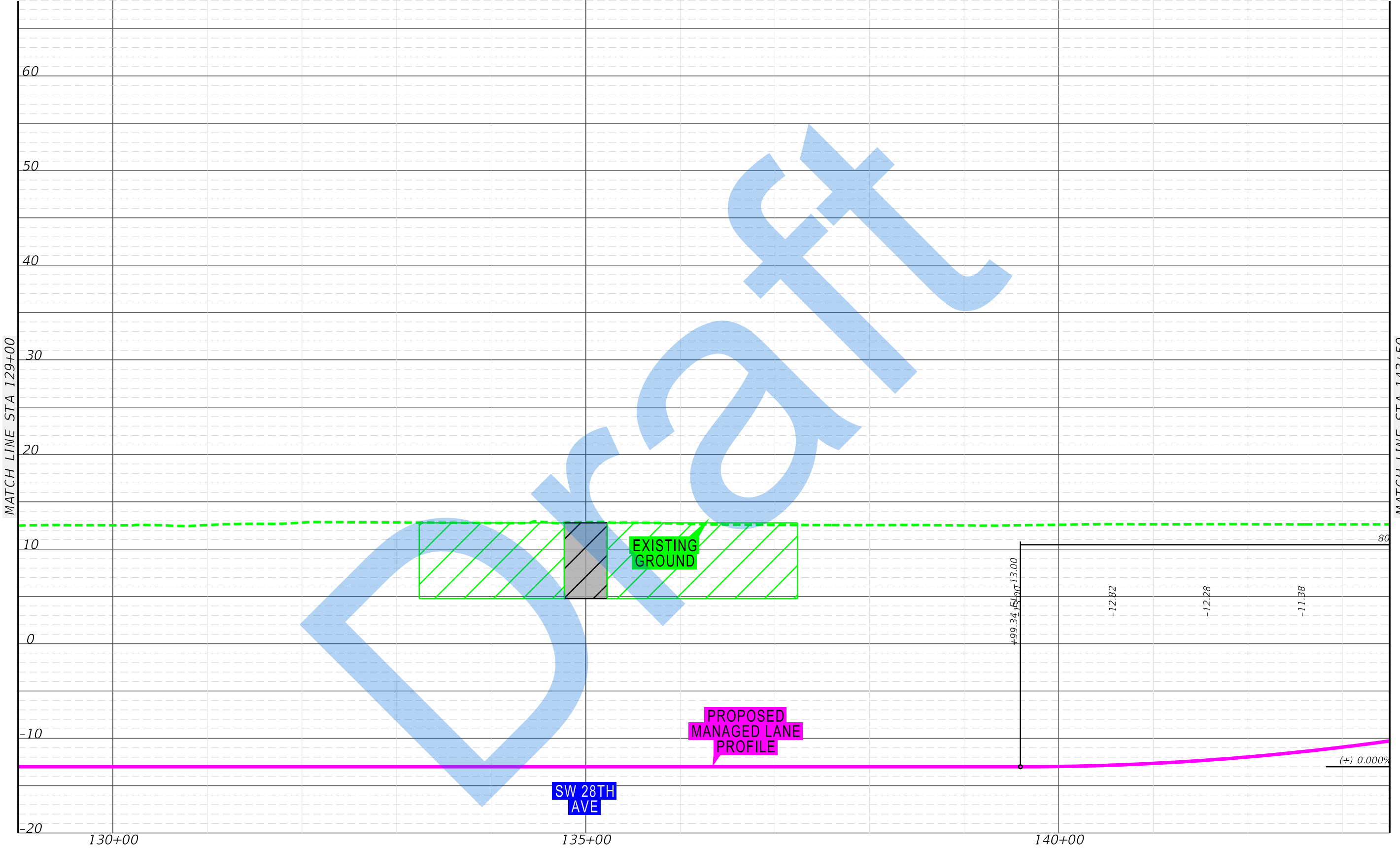
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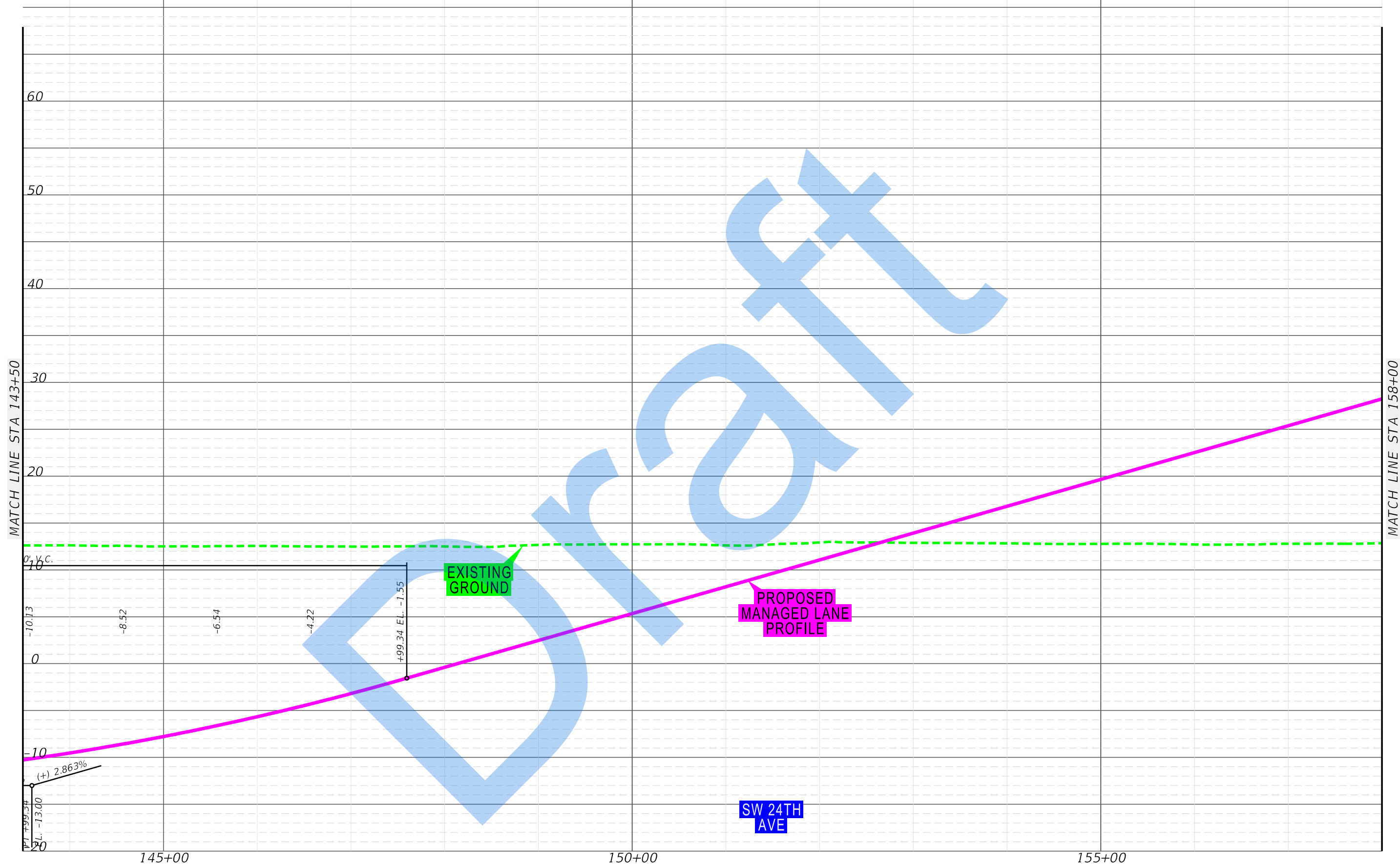
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MATCH LINE STA 129+00

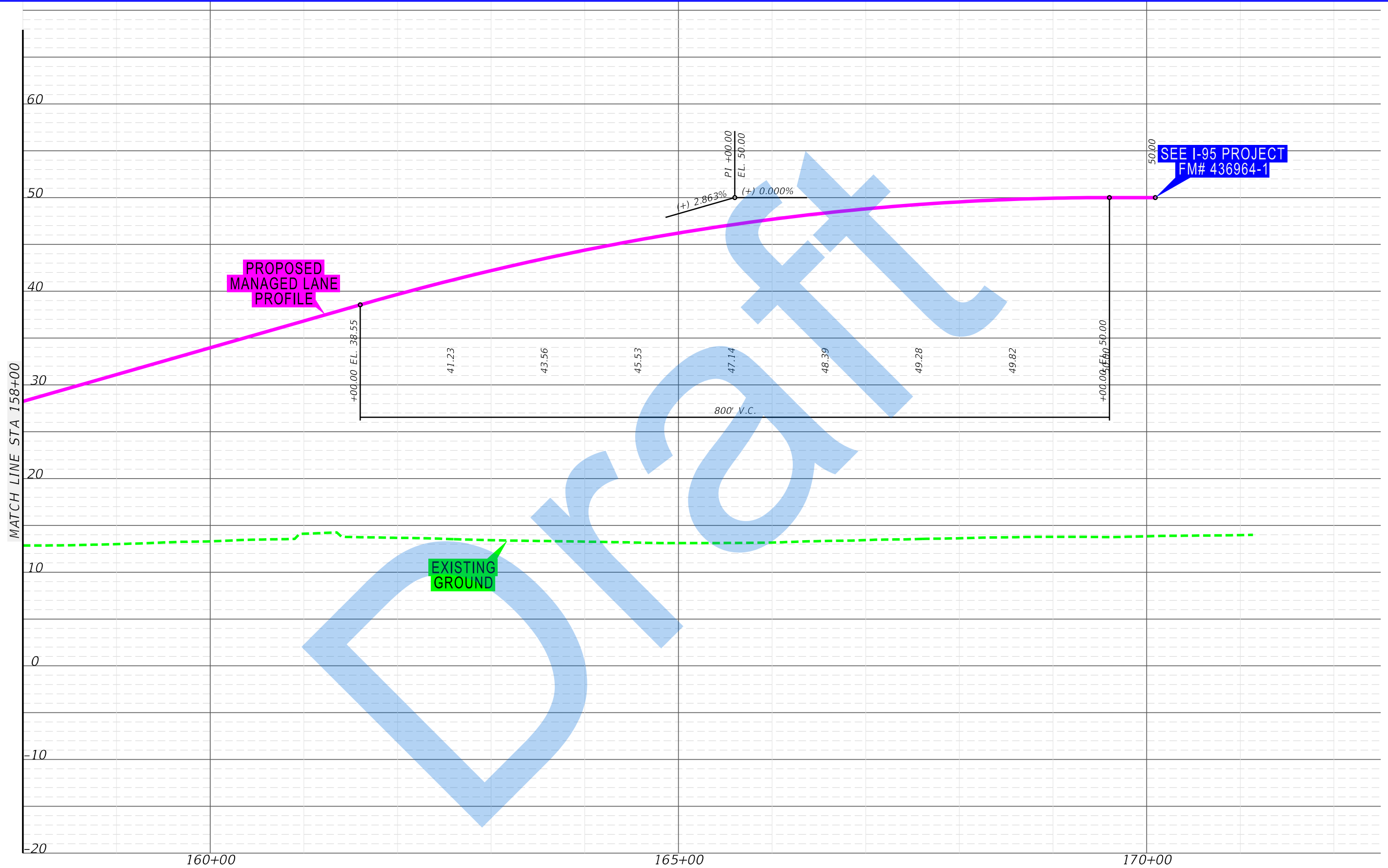


MATCH LINE STA 143+50

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

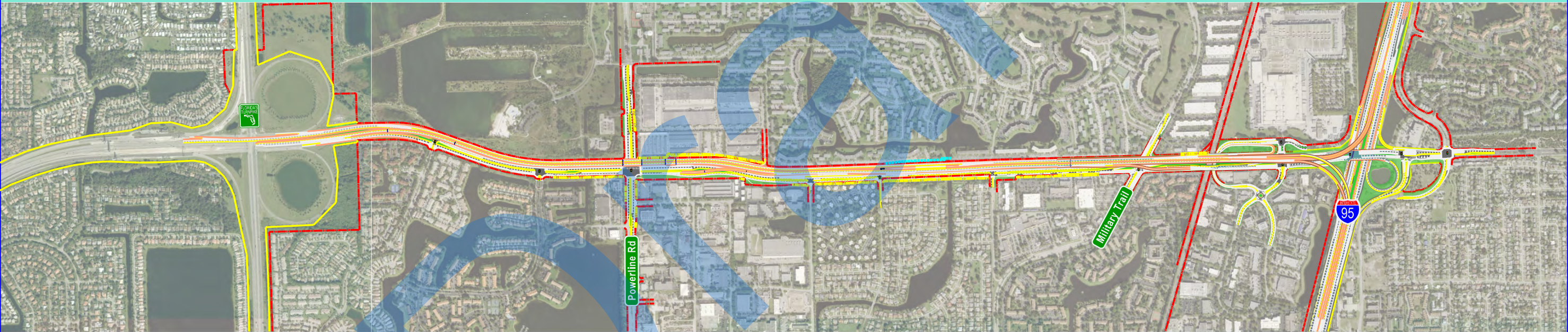
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FULL DEPRESSED
PROFILE

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NO.

B-79

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DEPRESSED WESTBOUND EXIT RAMP PROFILE SHEETS

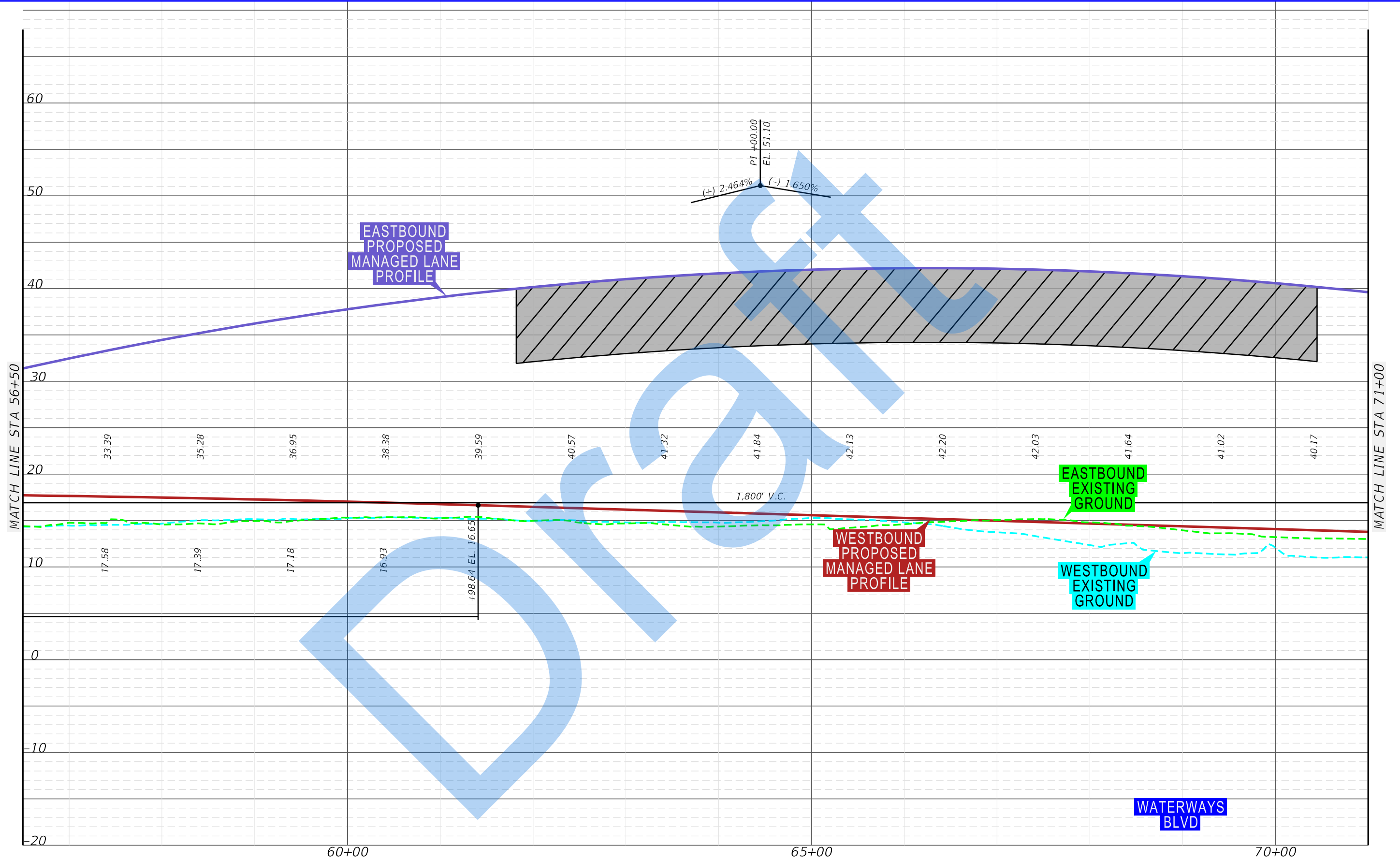


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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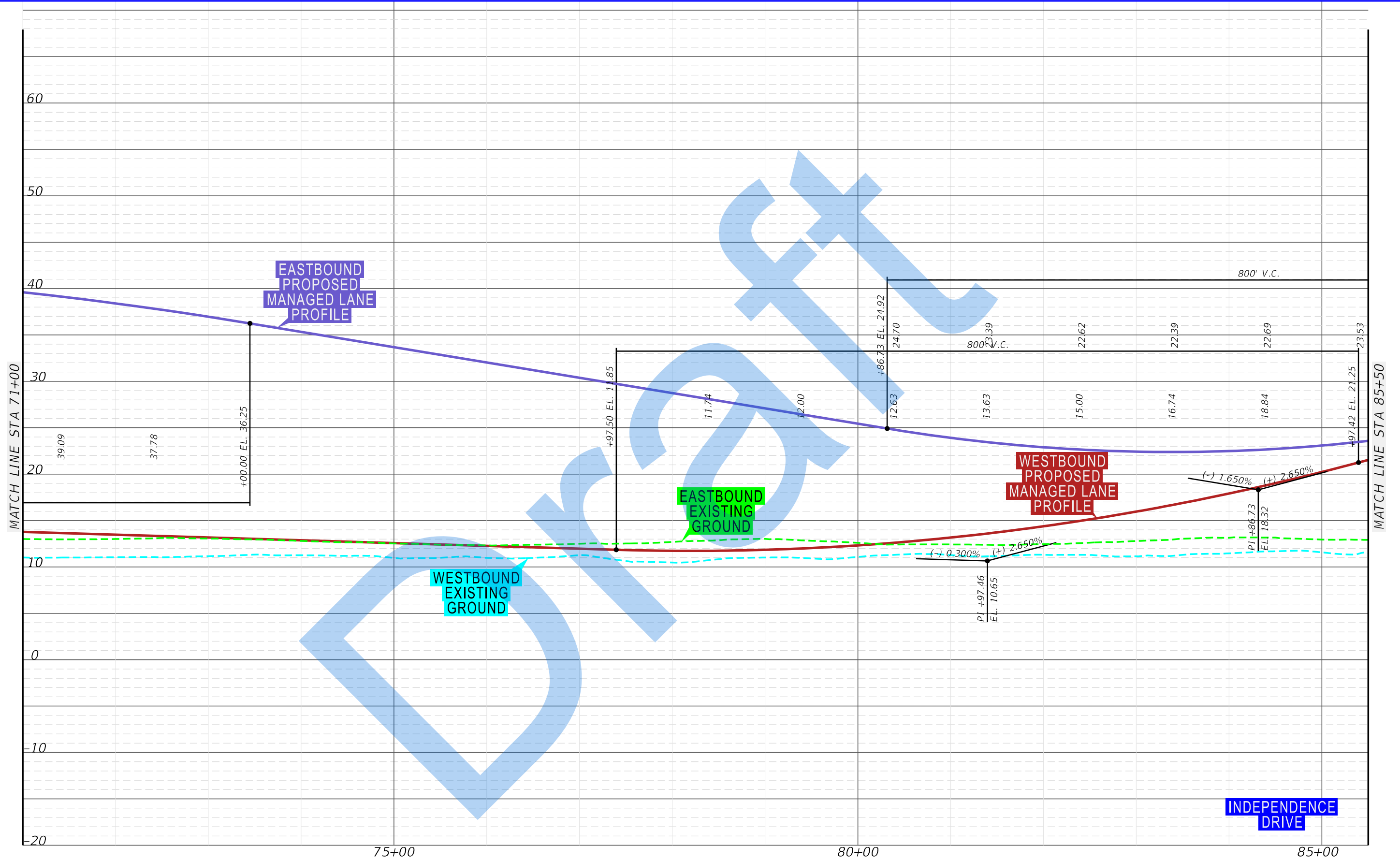


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

APPENDIX B
DEPRESSED WESTBOUND
EXIT RAMP PROFILE

SHEET
NO.
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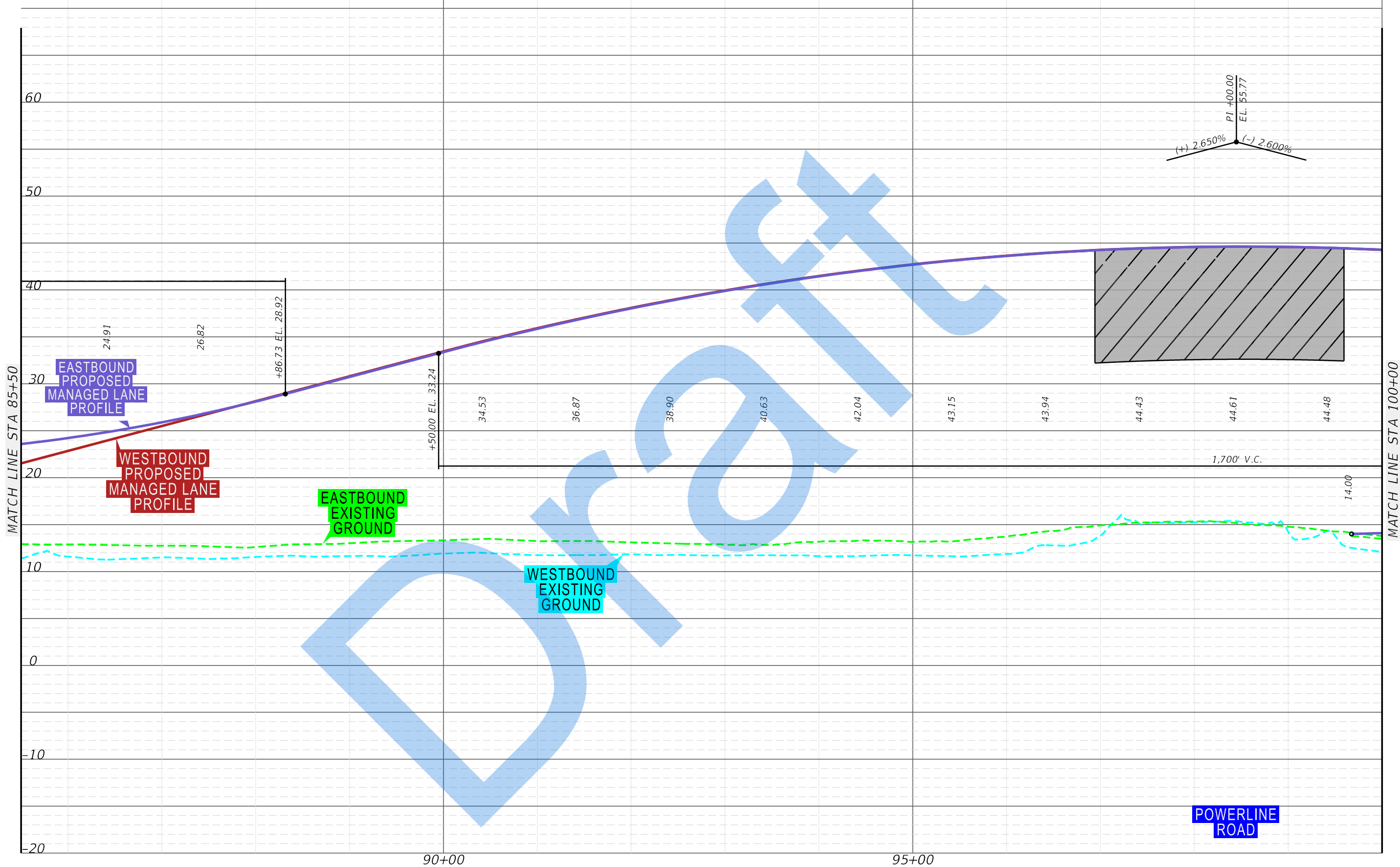


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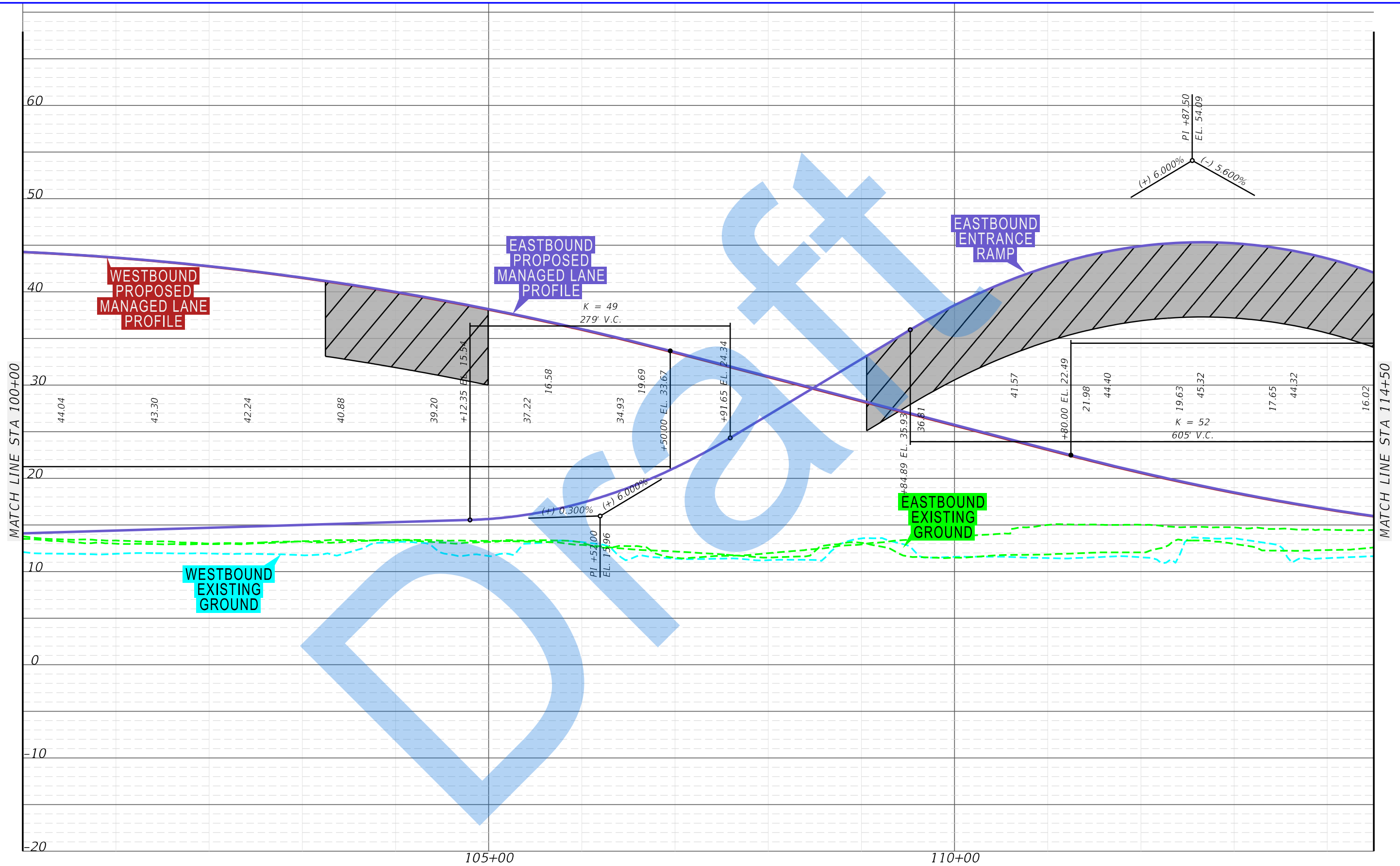
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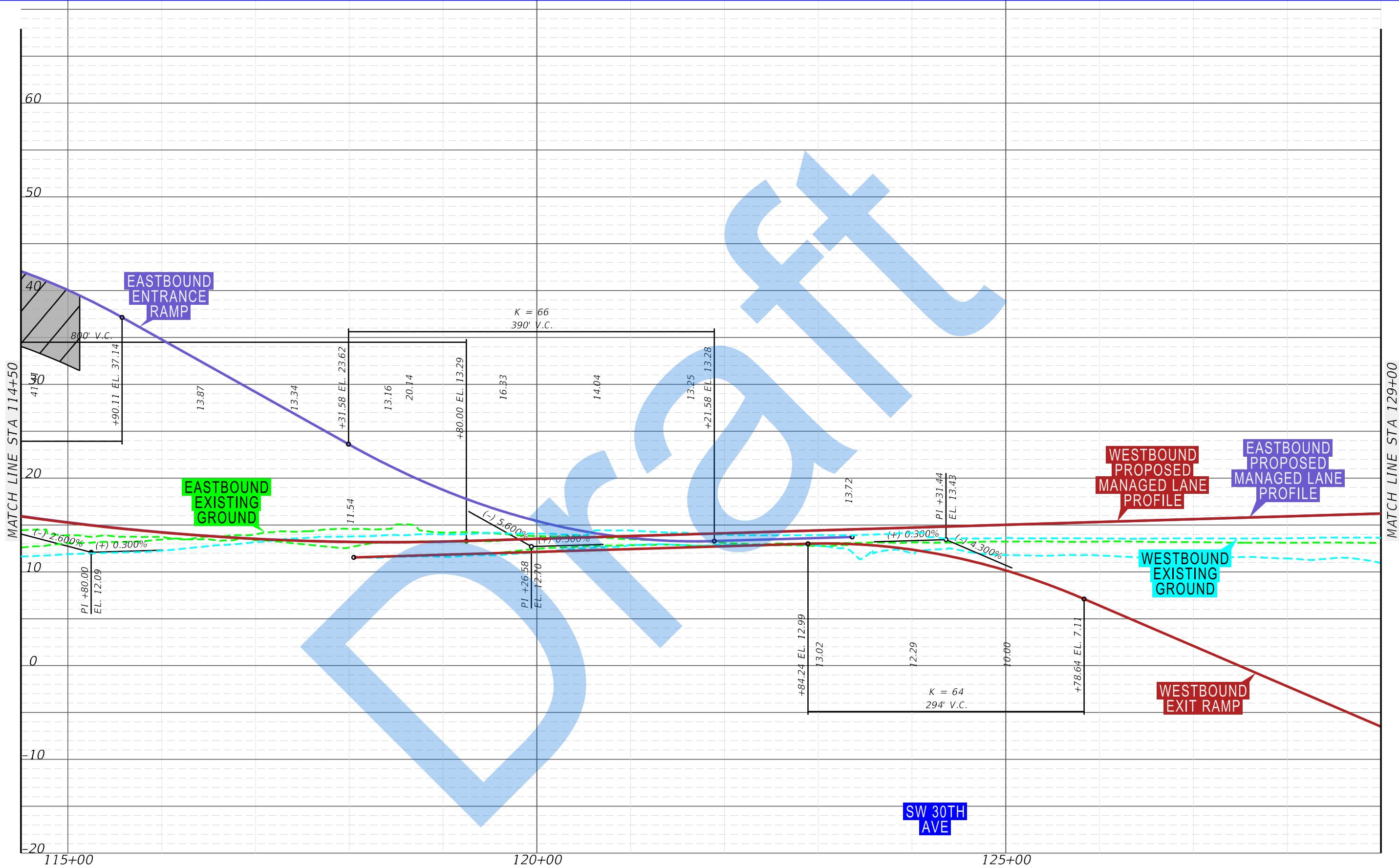


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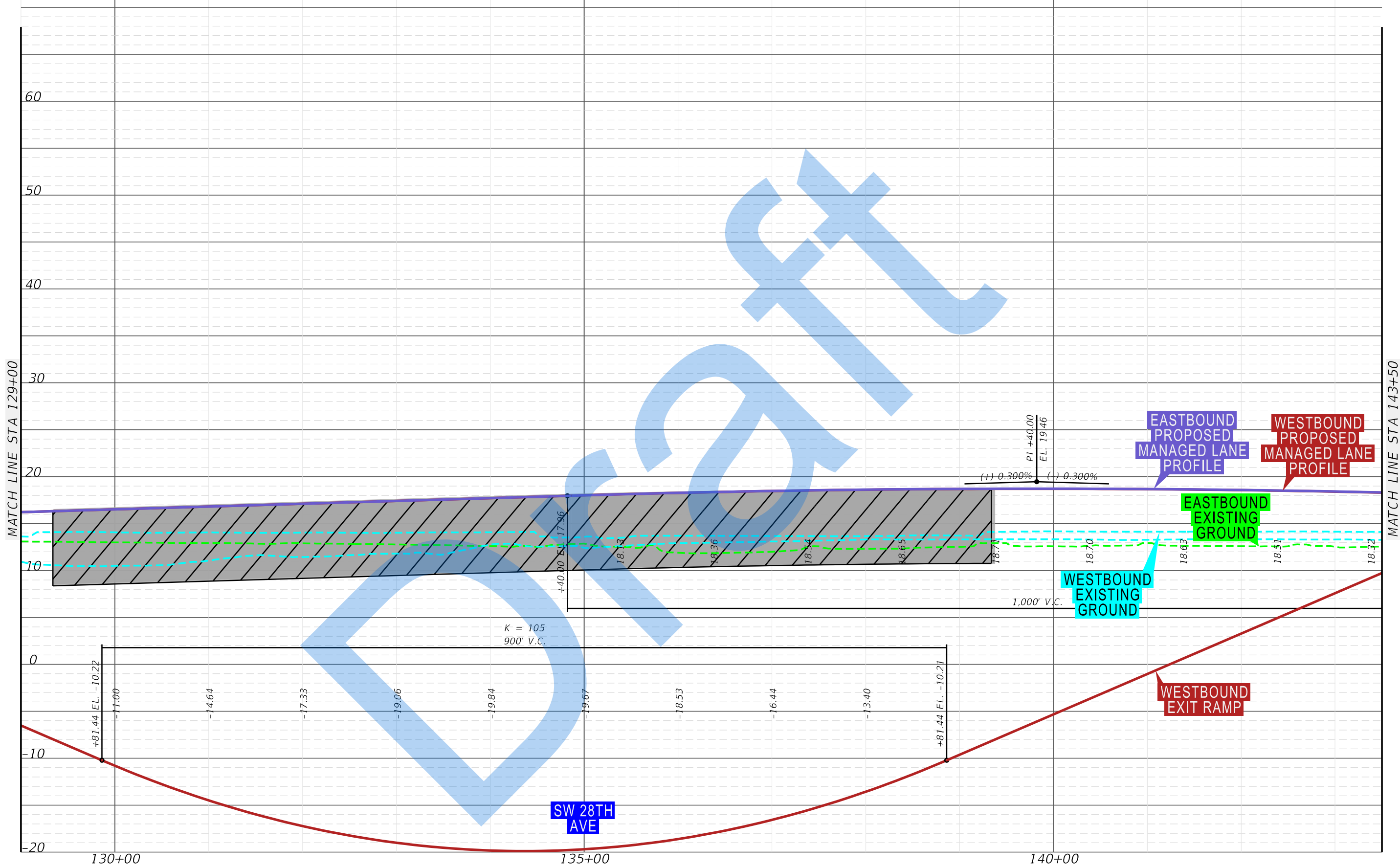
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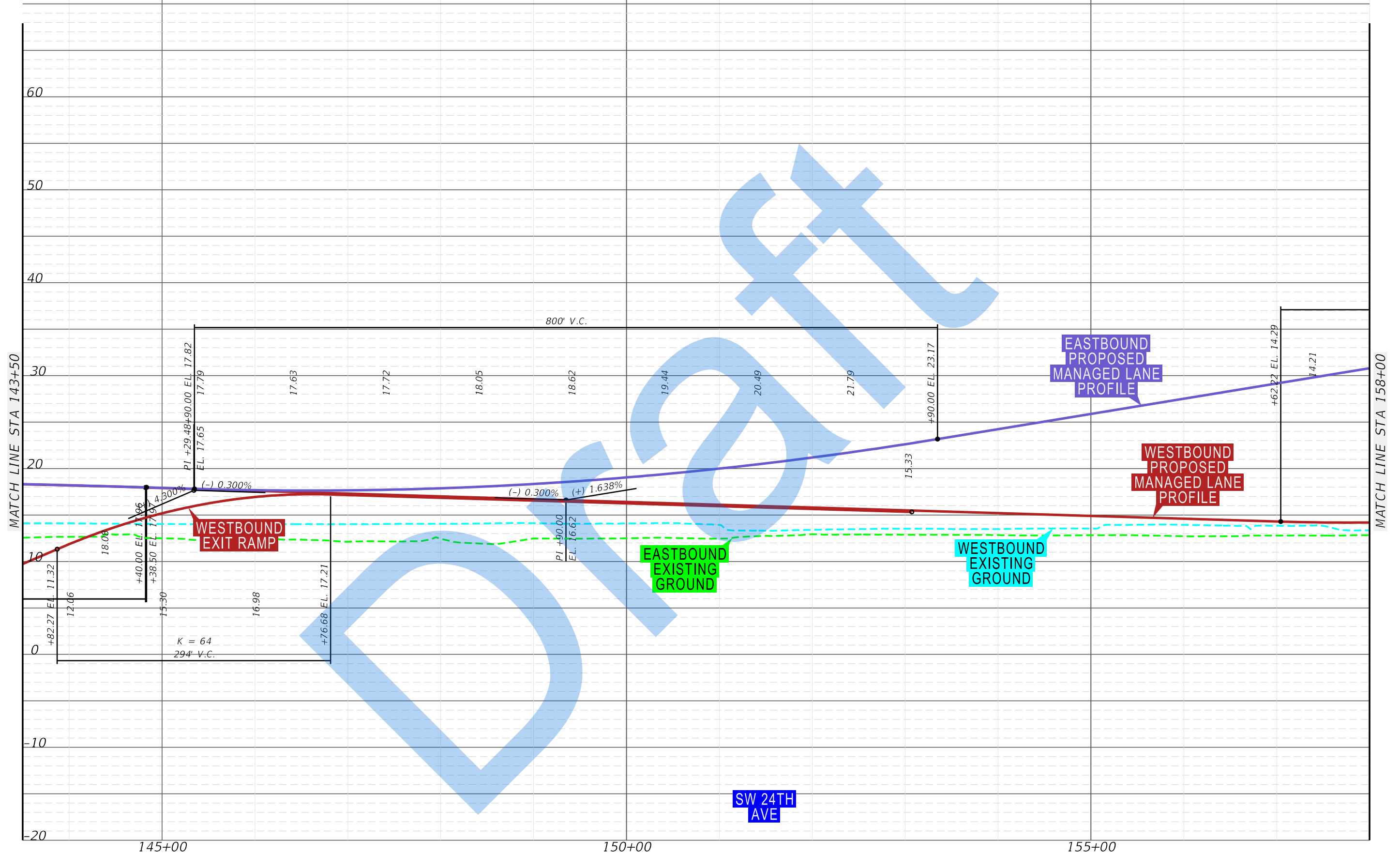
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APPENDIX B
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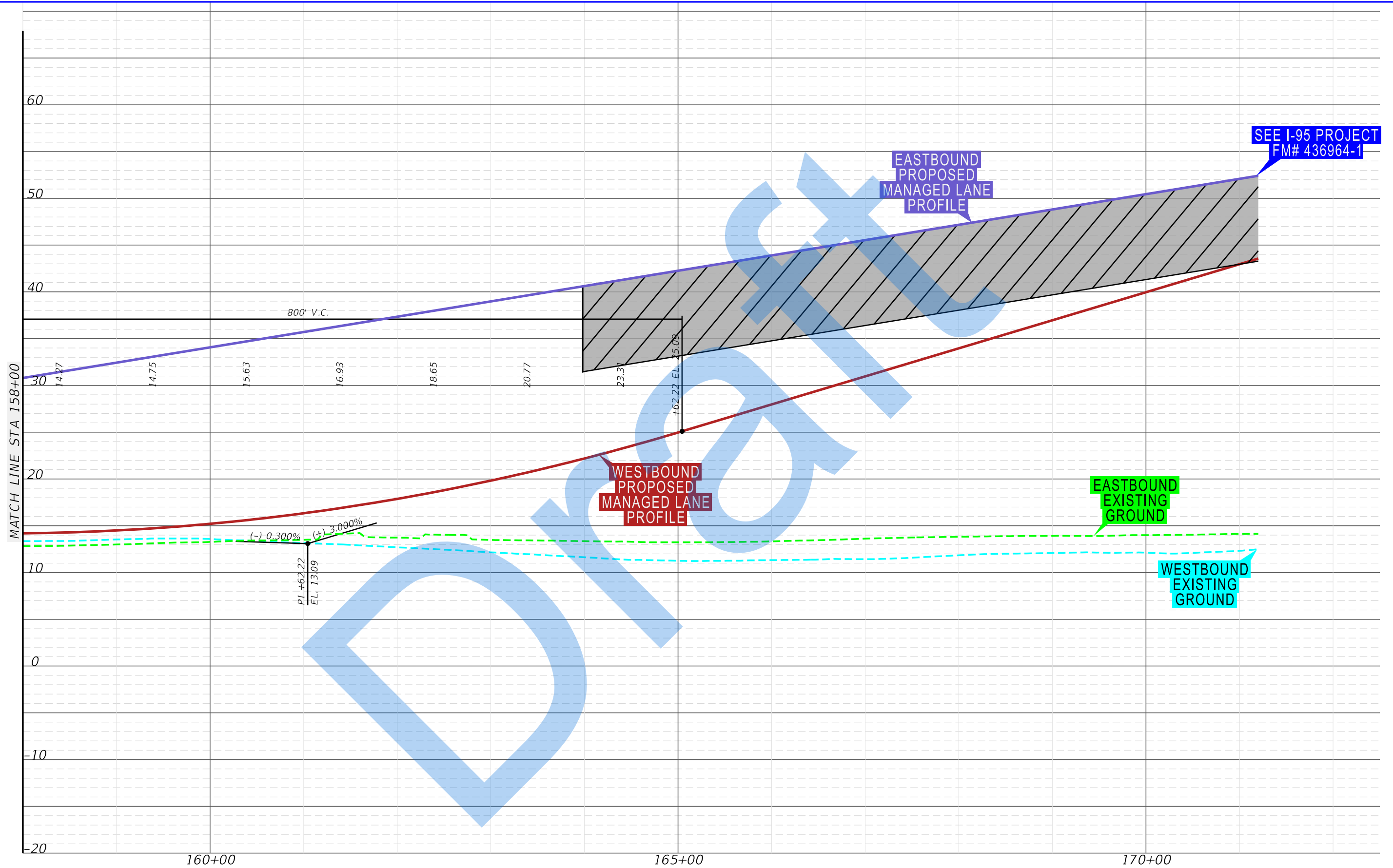
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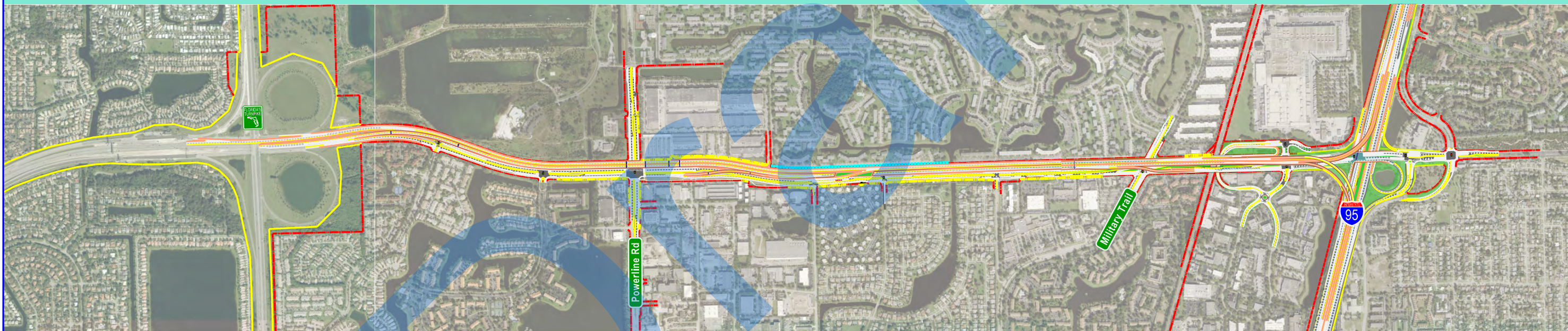
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DEPRESSED EASTBOUND MANAGED LANES PROFILE SHEETS

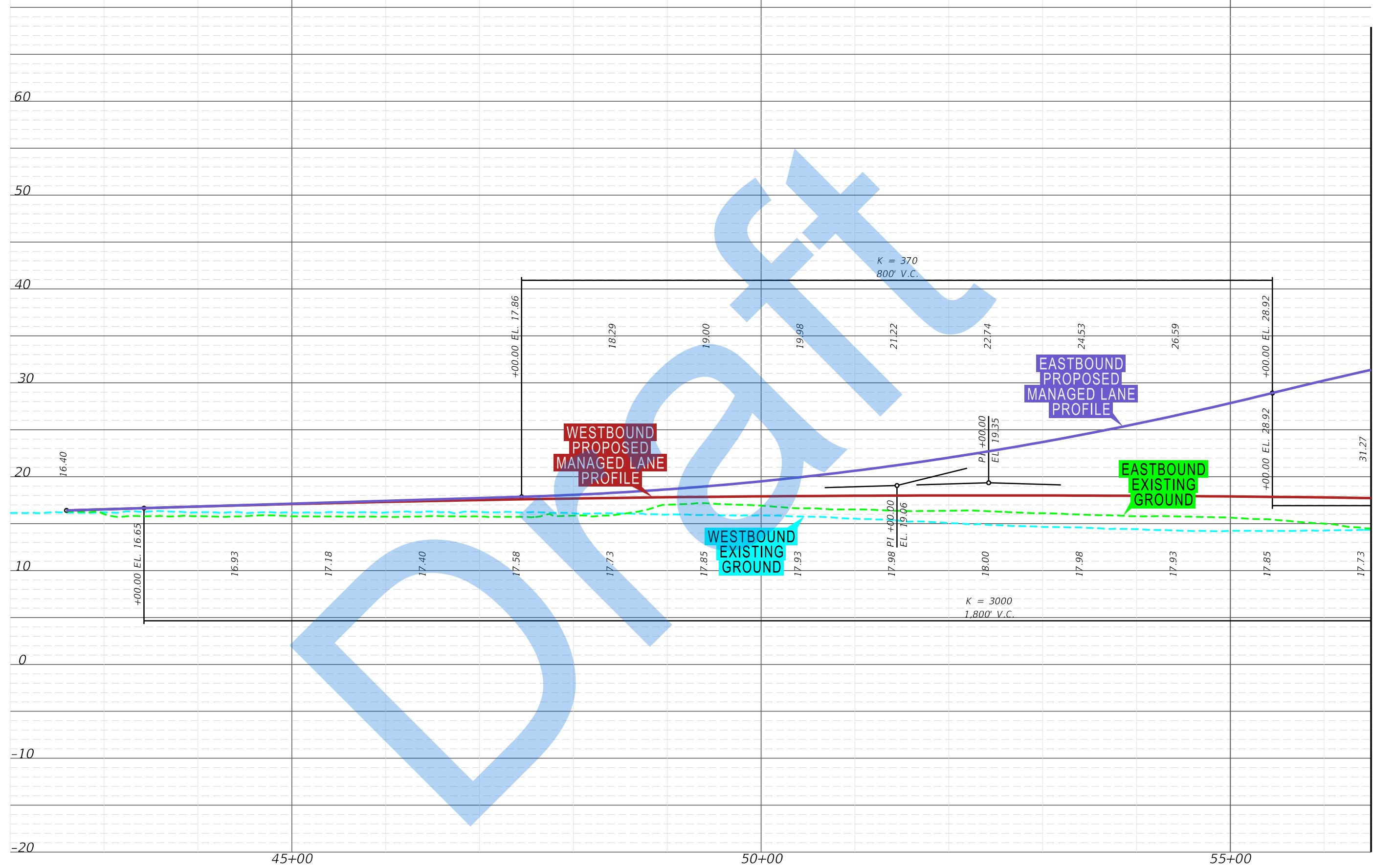


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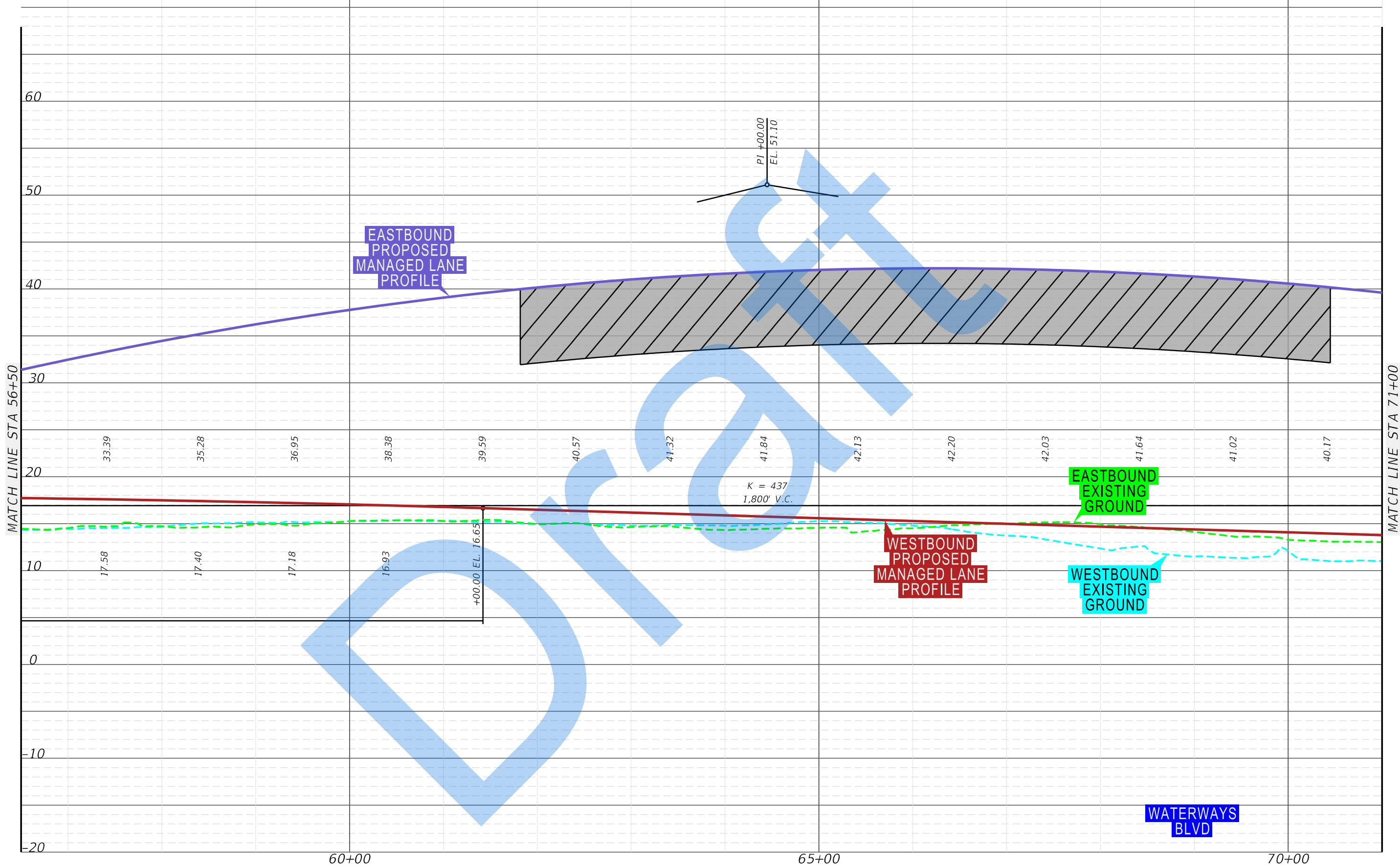
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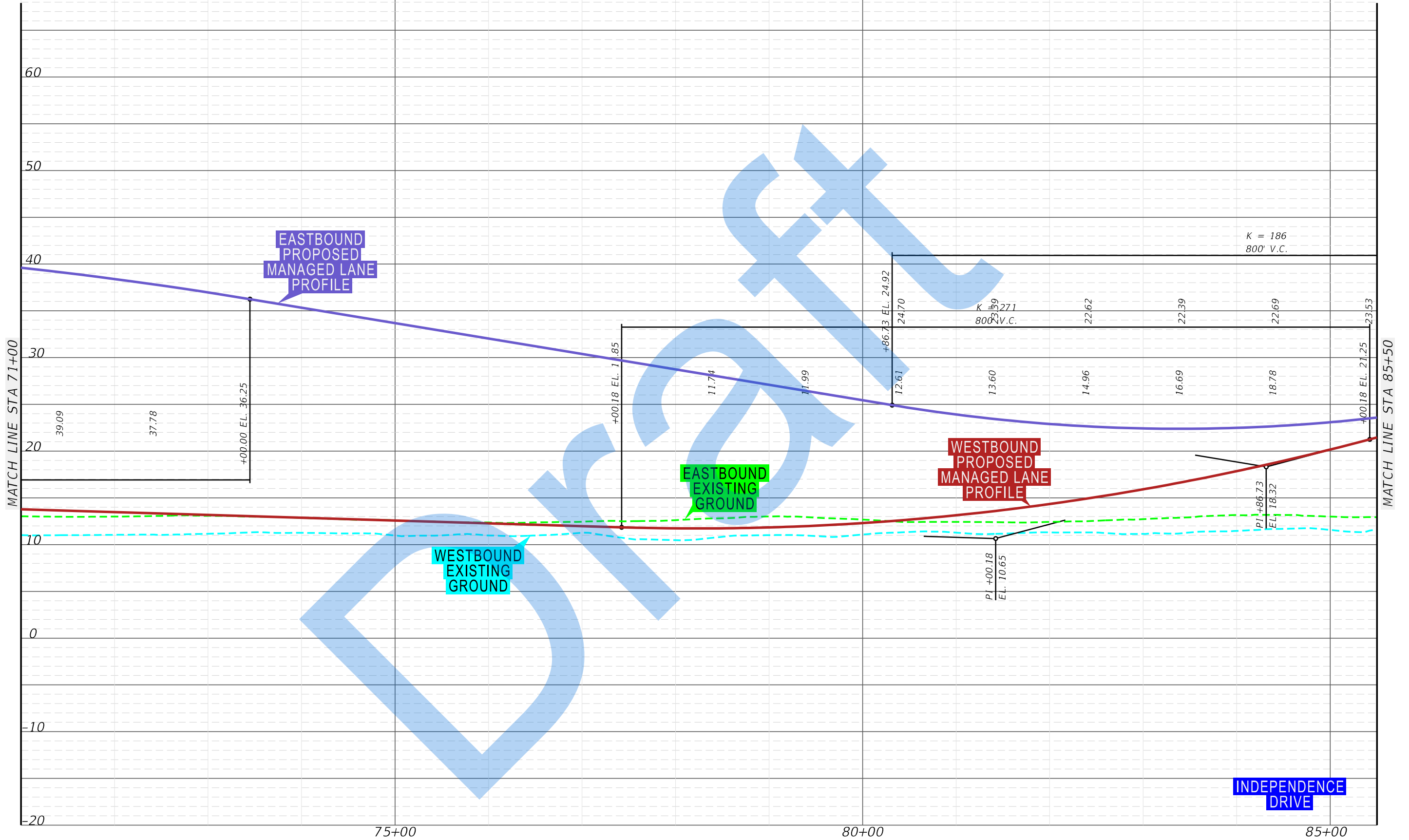


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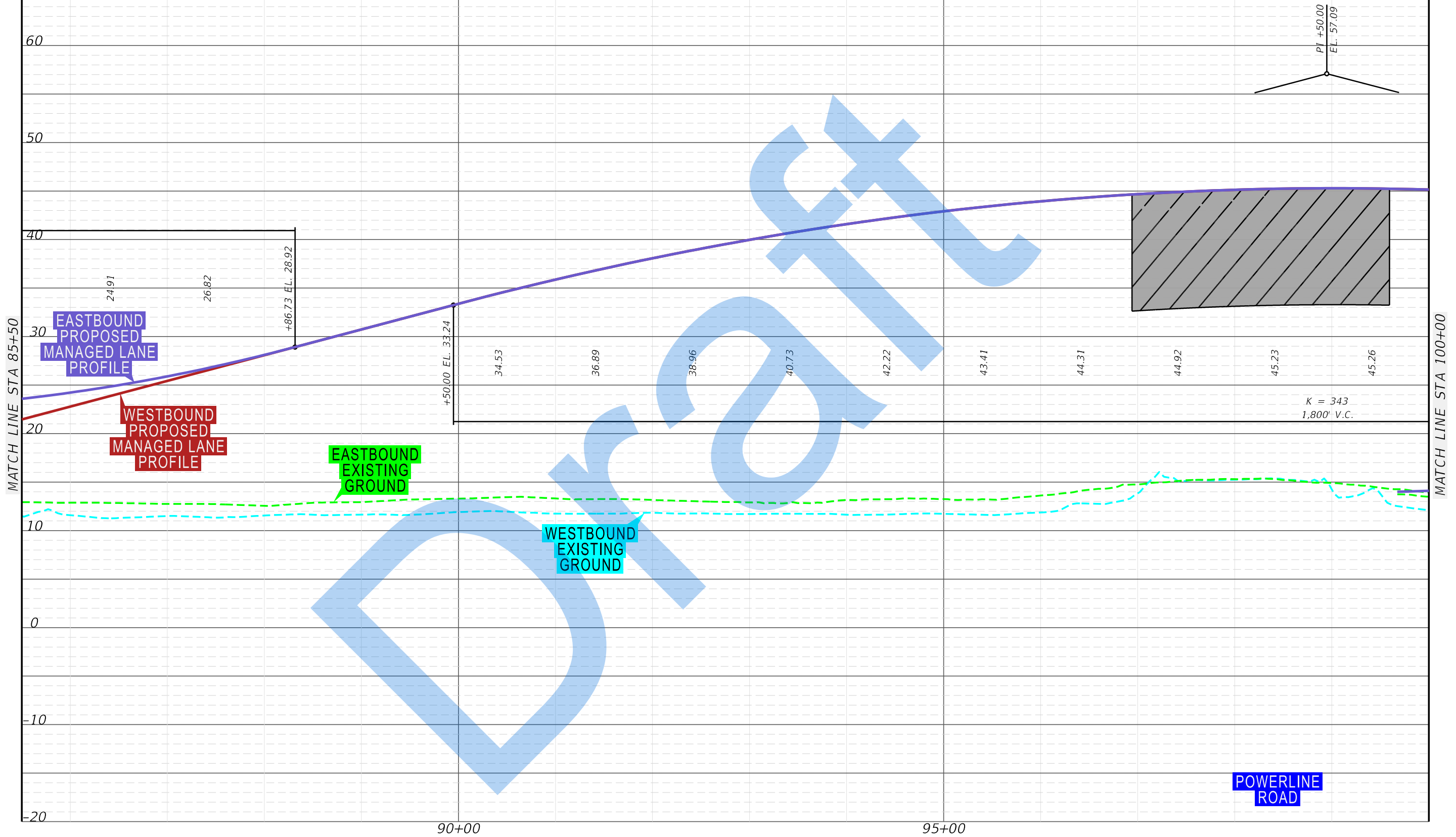


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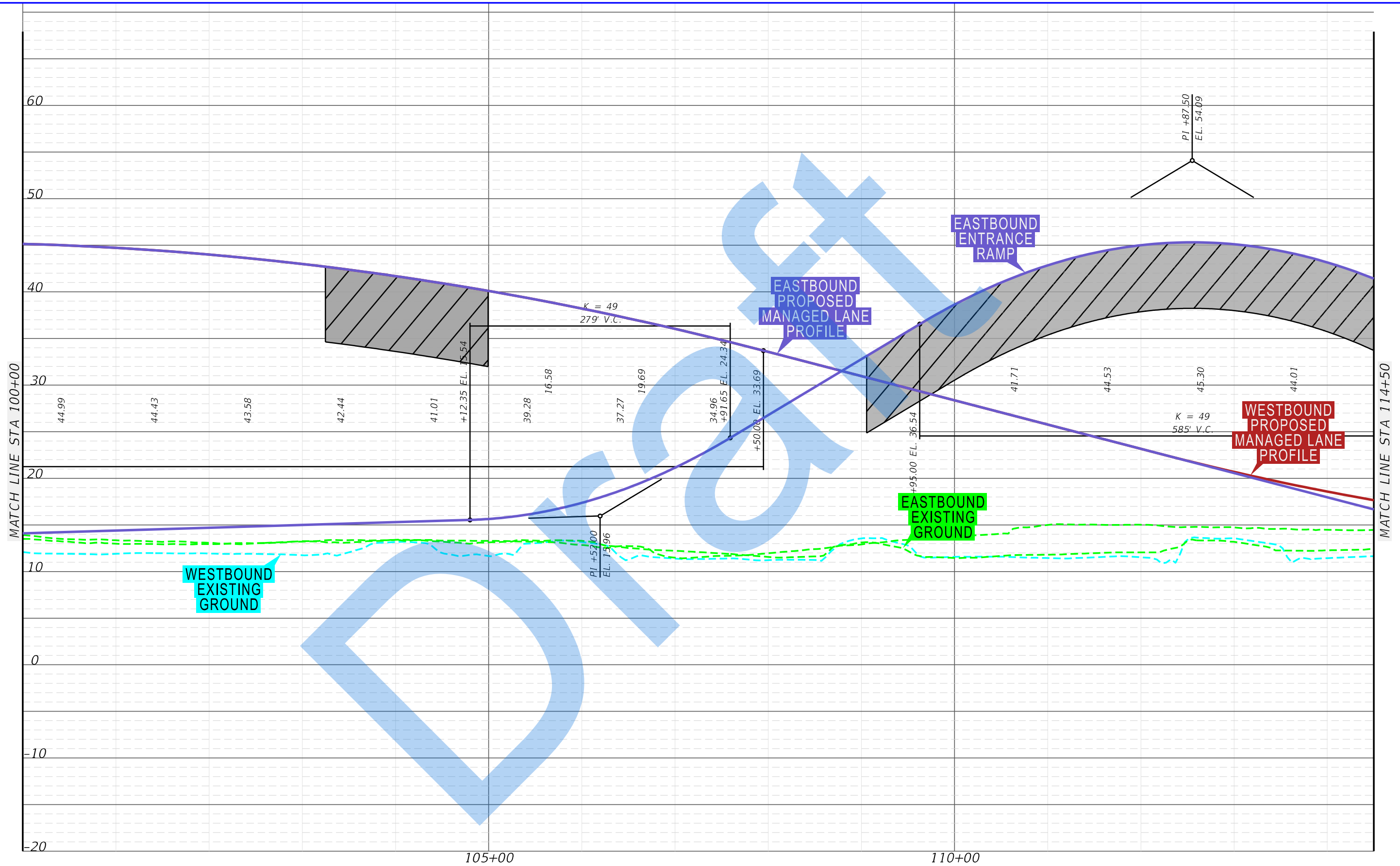


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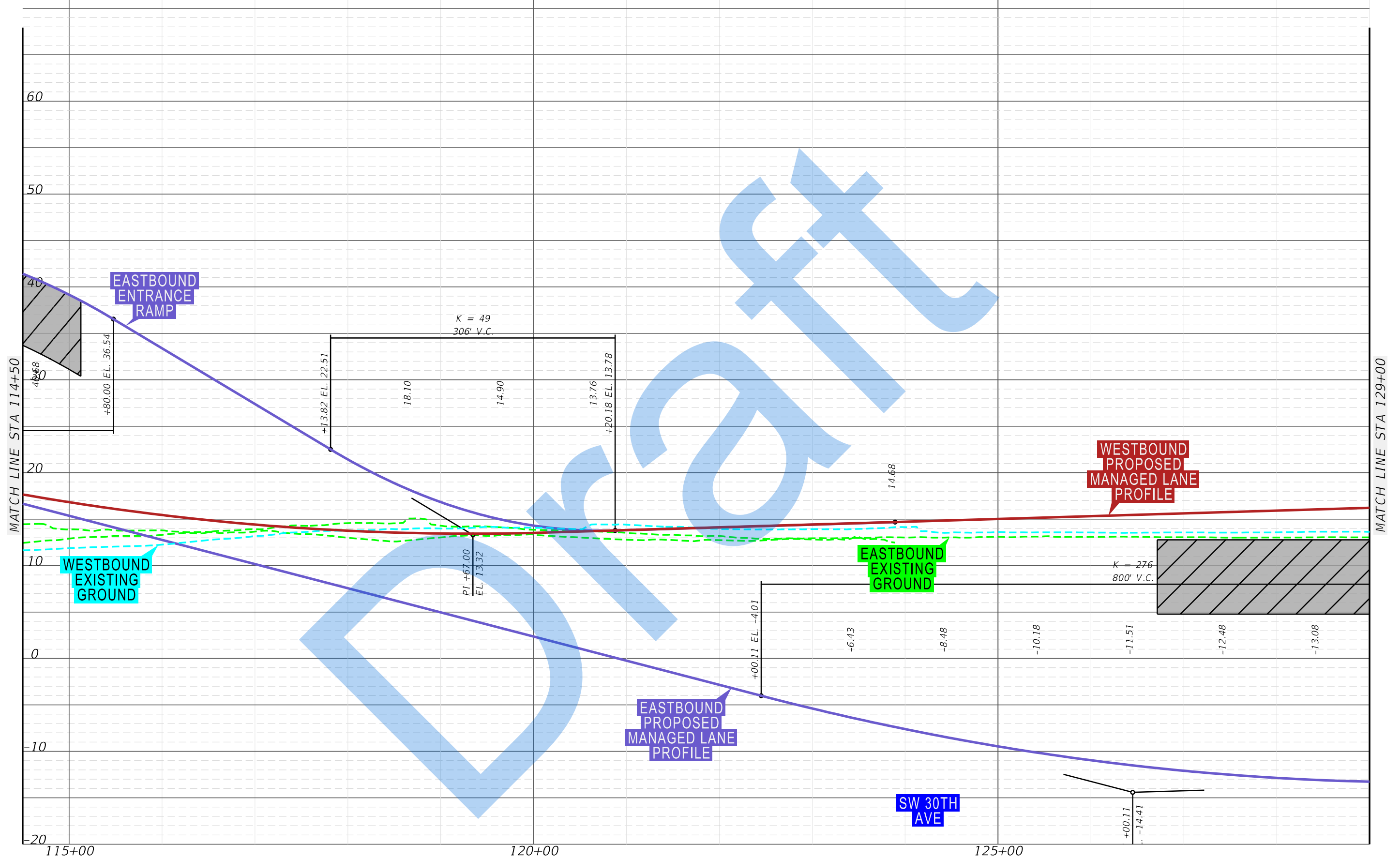
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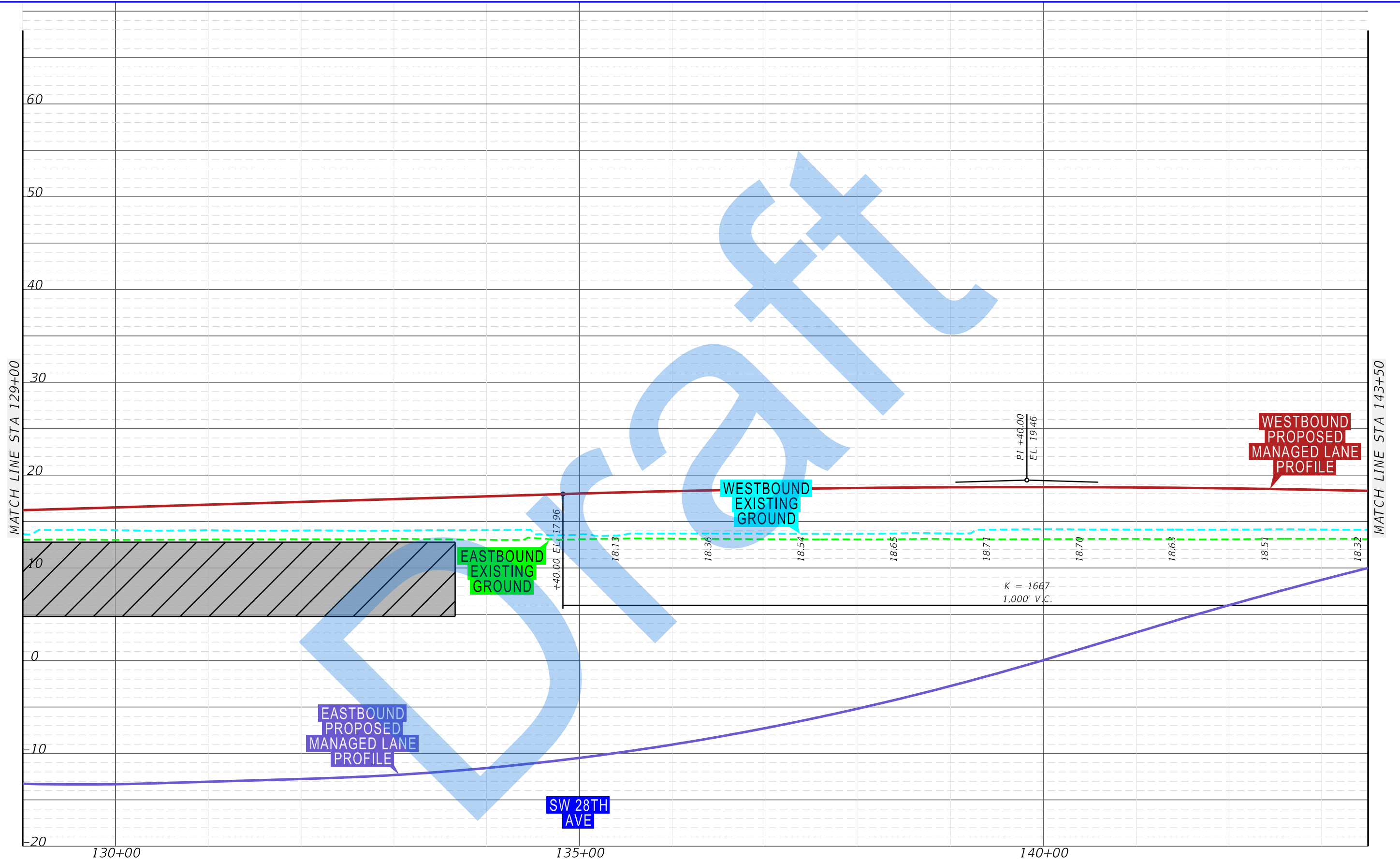


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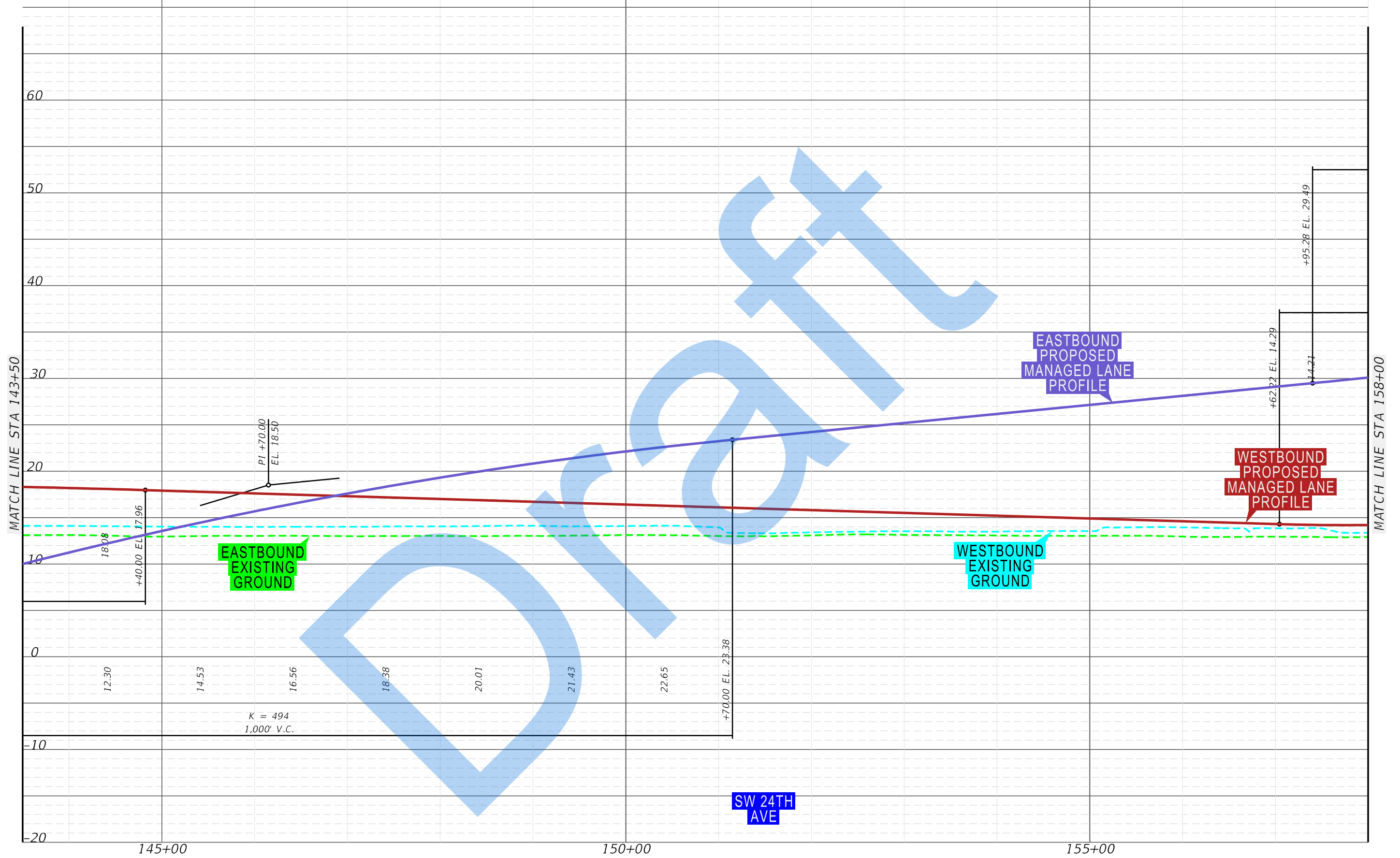
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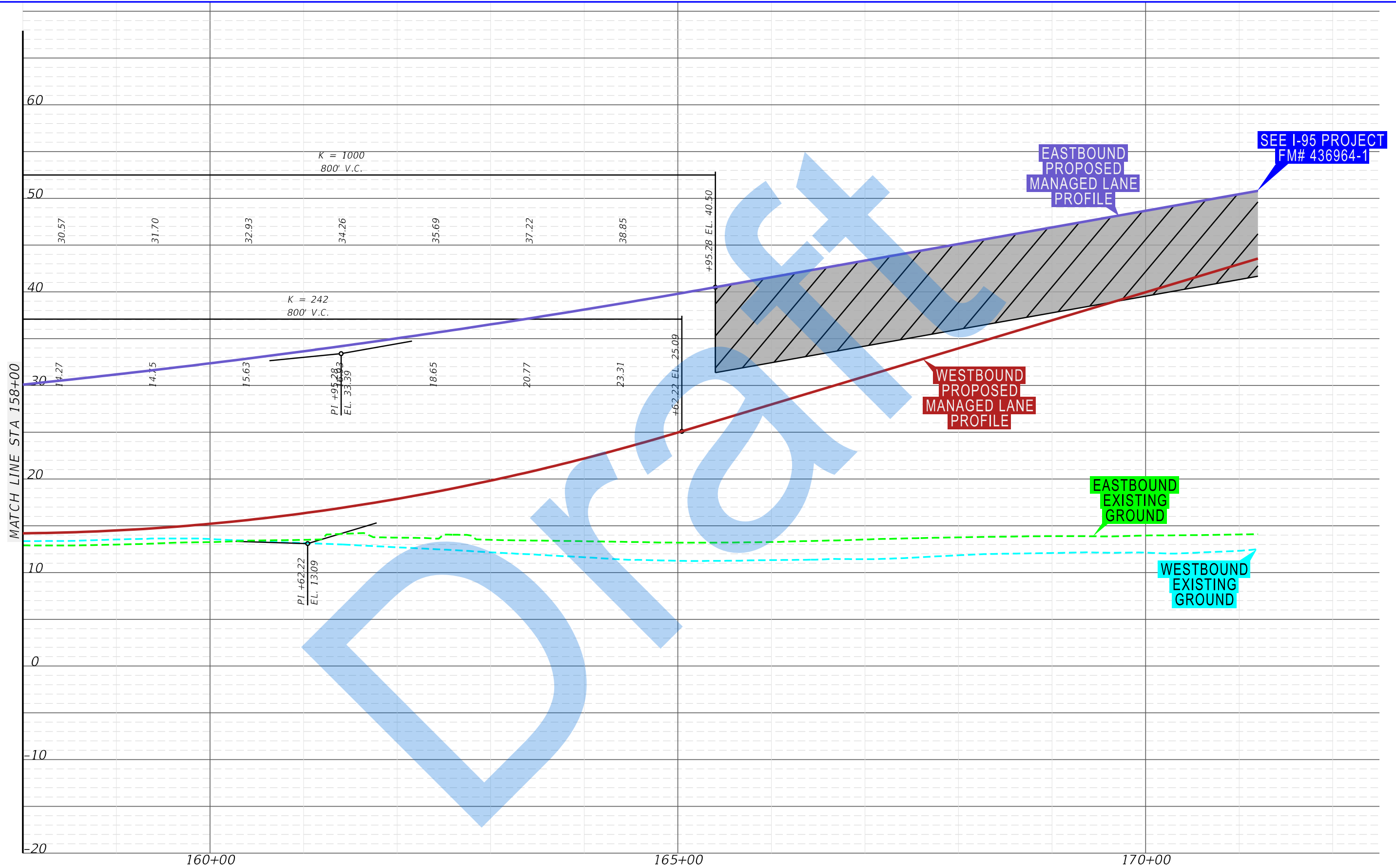


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MANAGED LANES PROFILE

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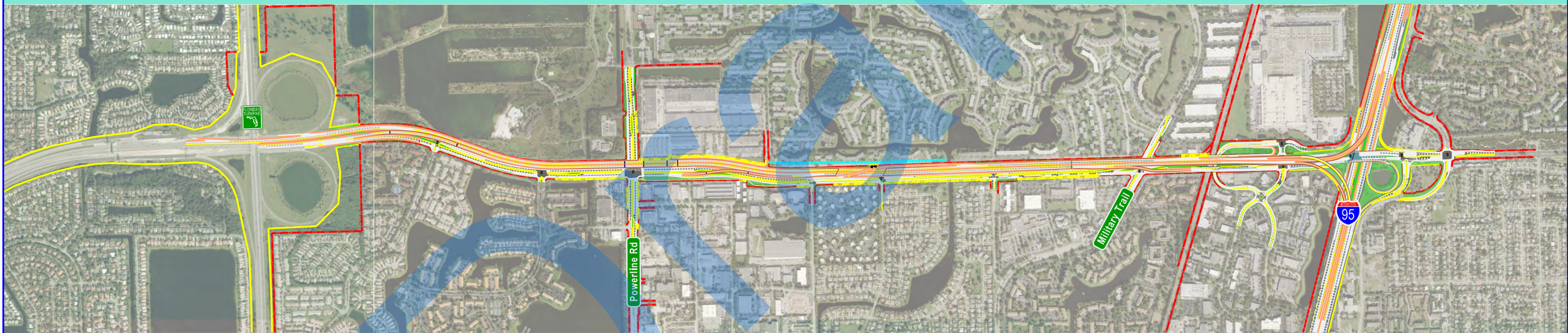
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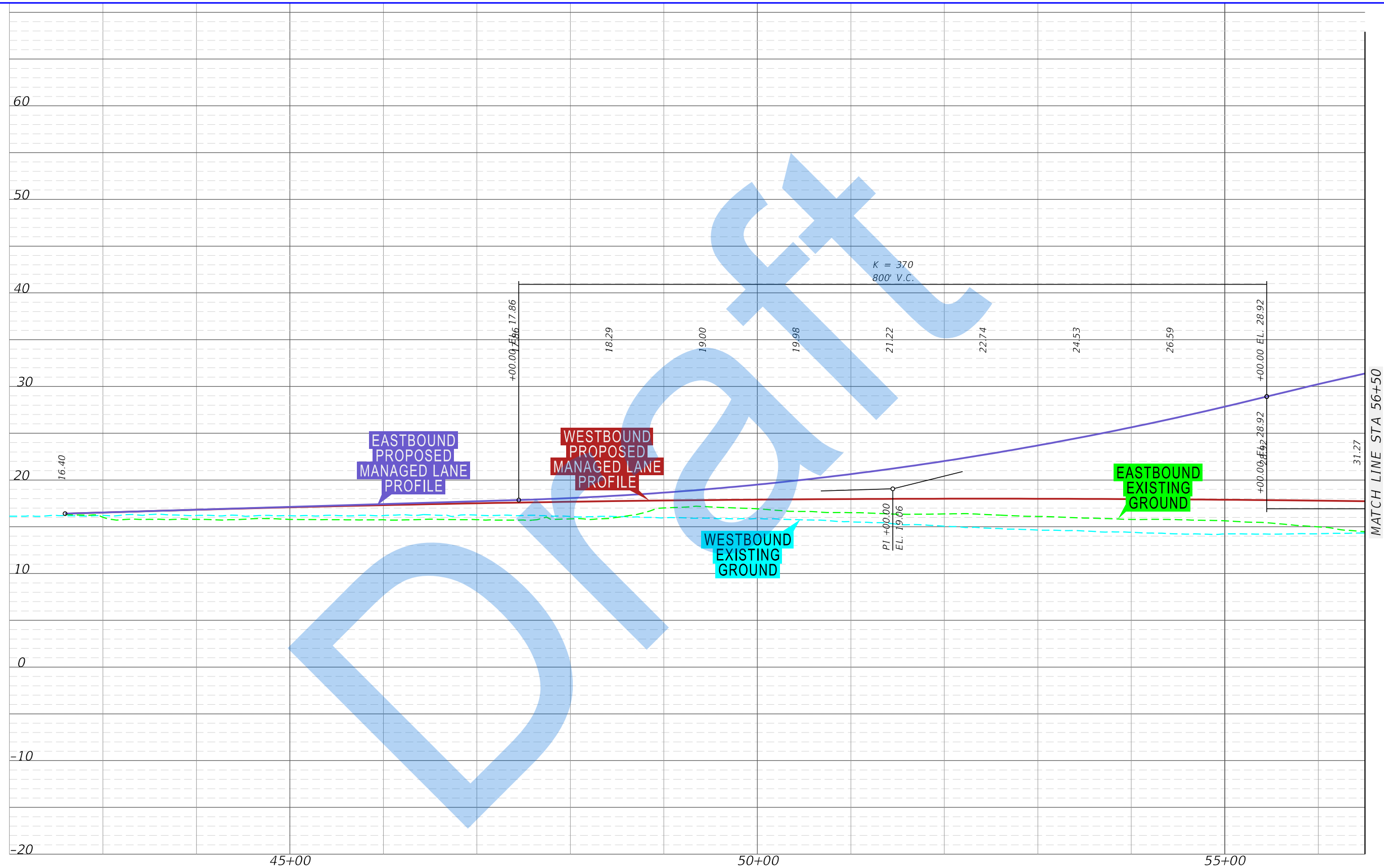
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DEPRESSED EASTBOUND AND WESTBOUND MANAGED LANES PROFILE SHEETS



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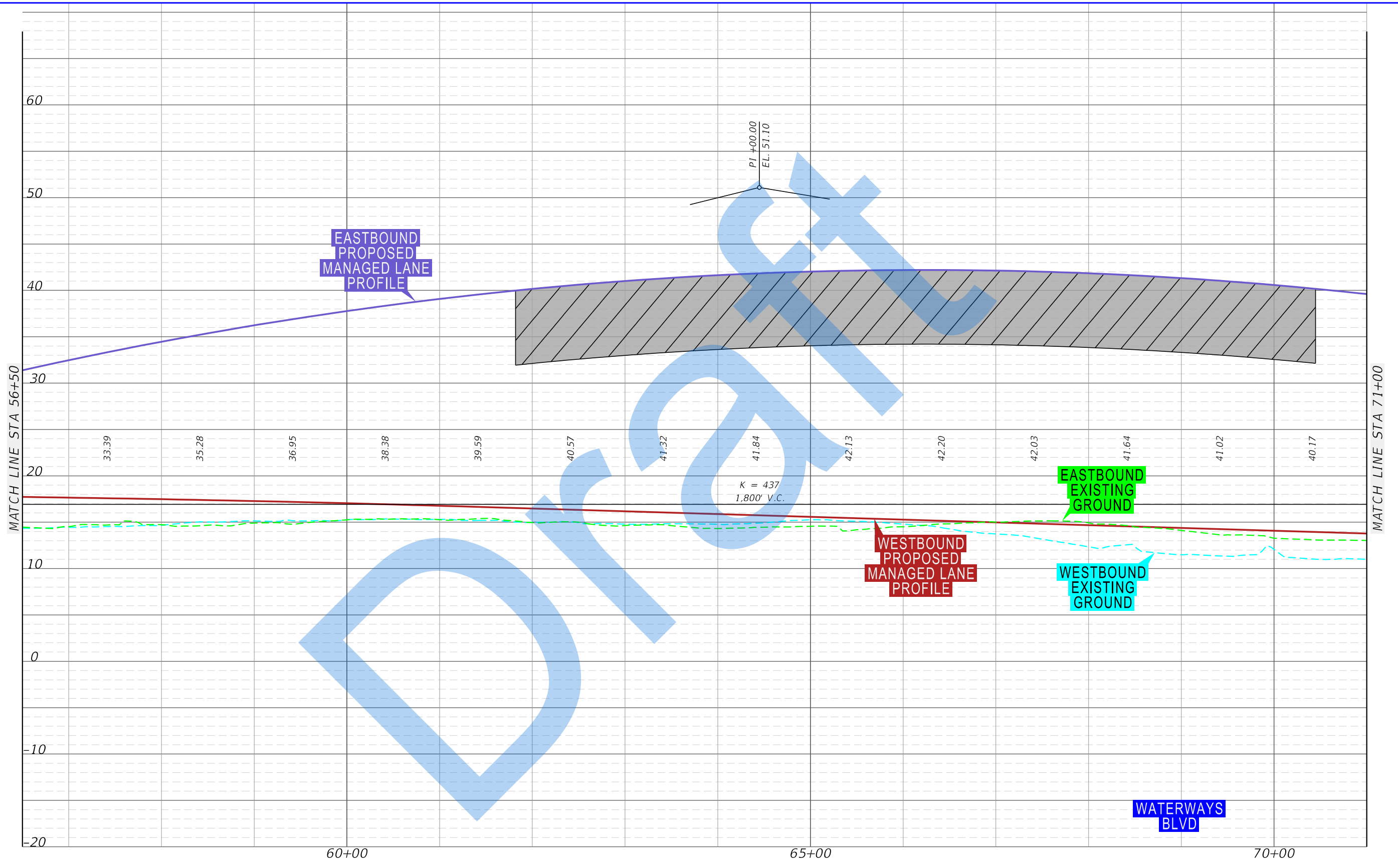
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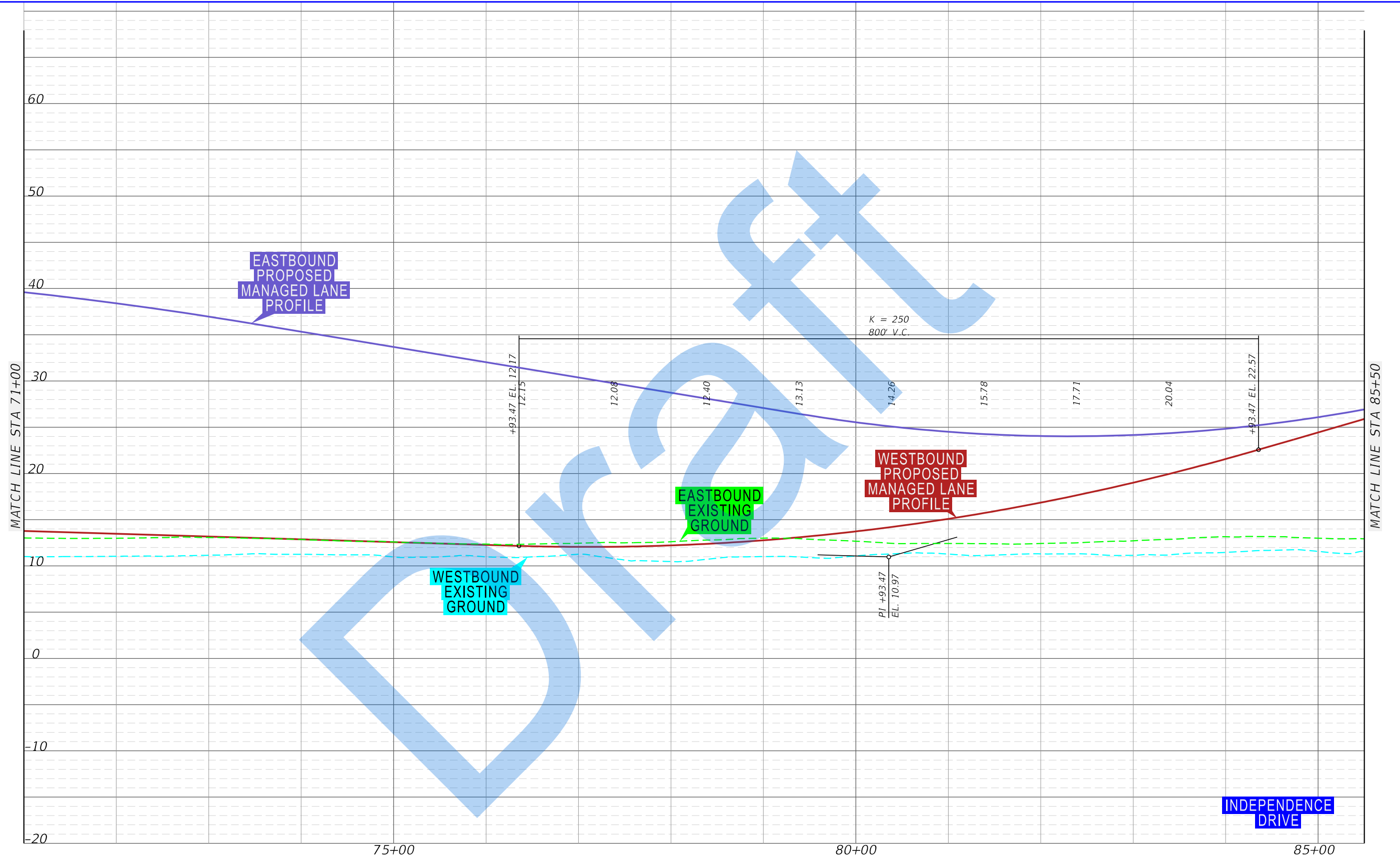
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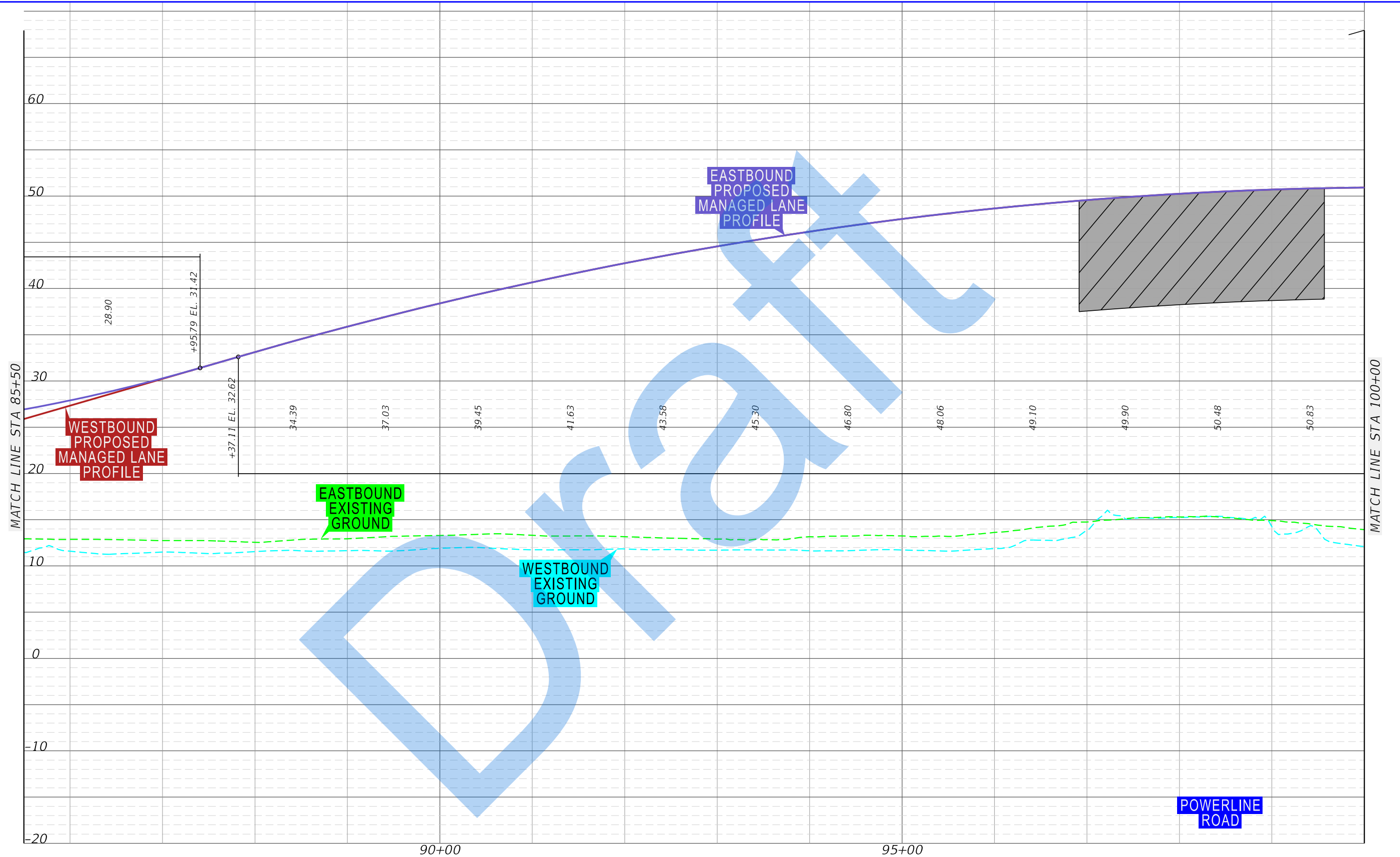
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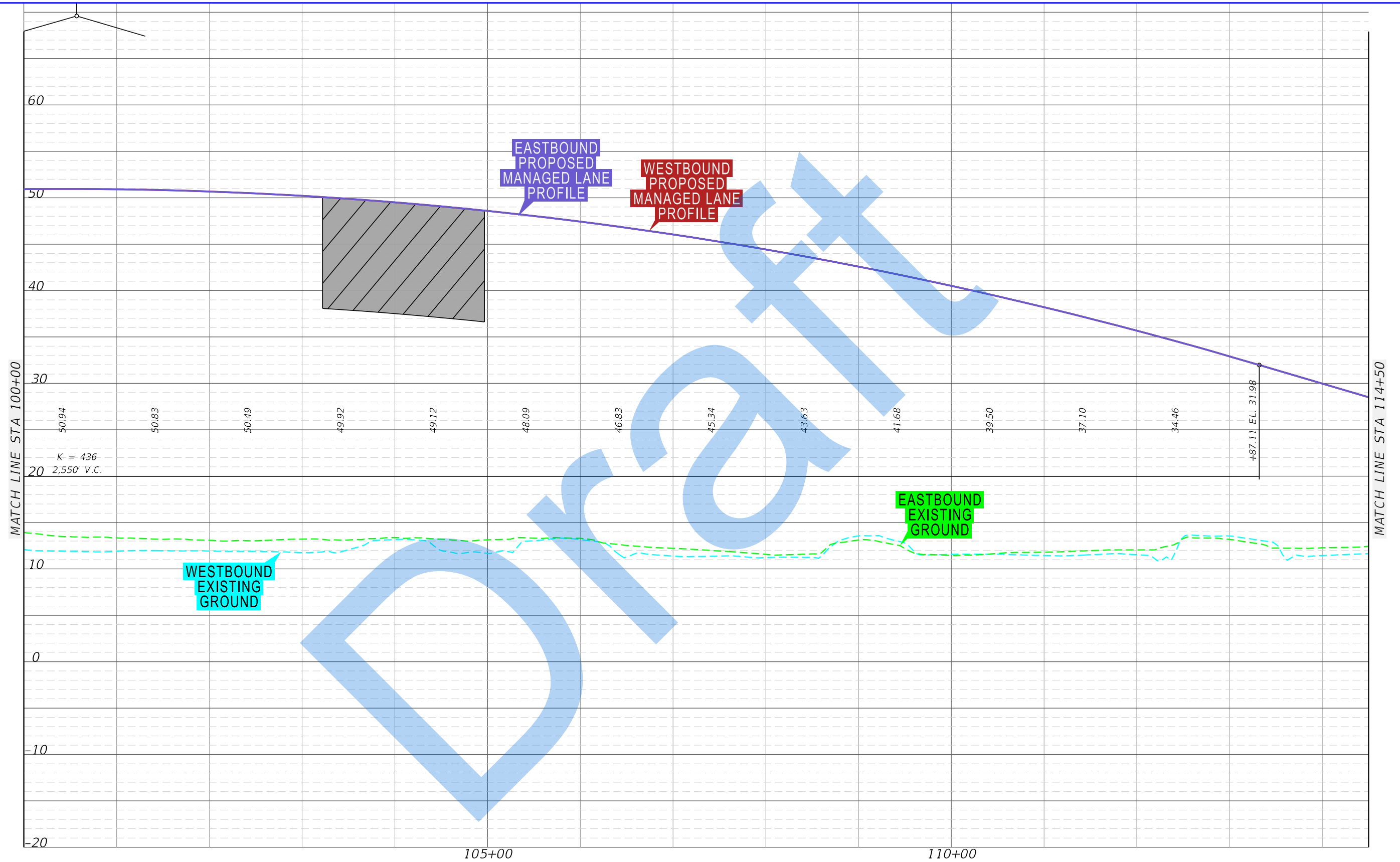


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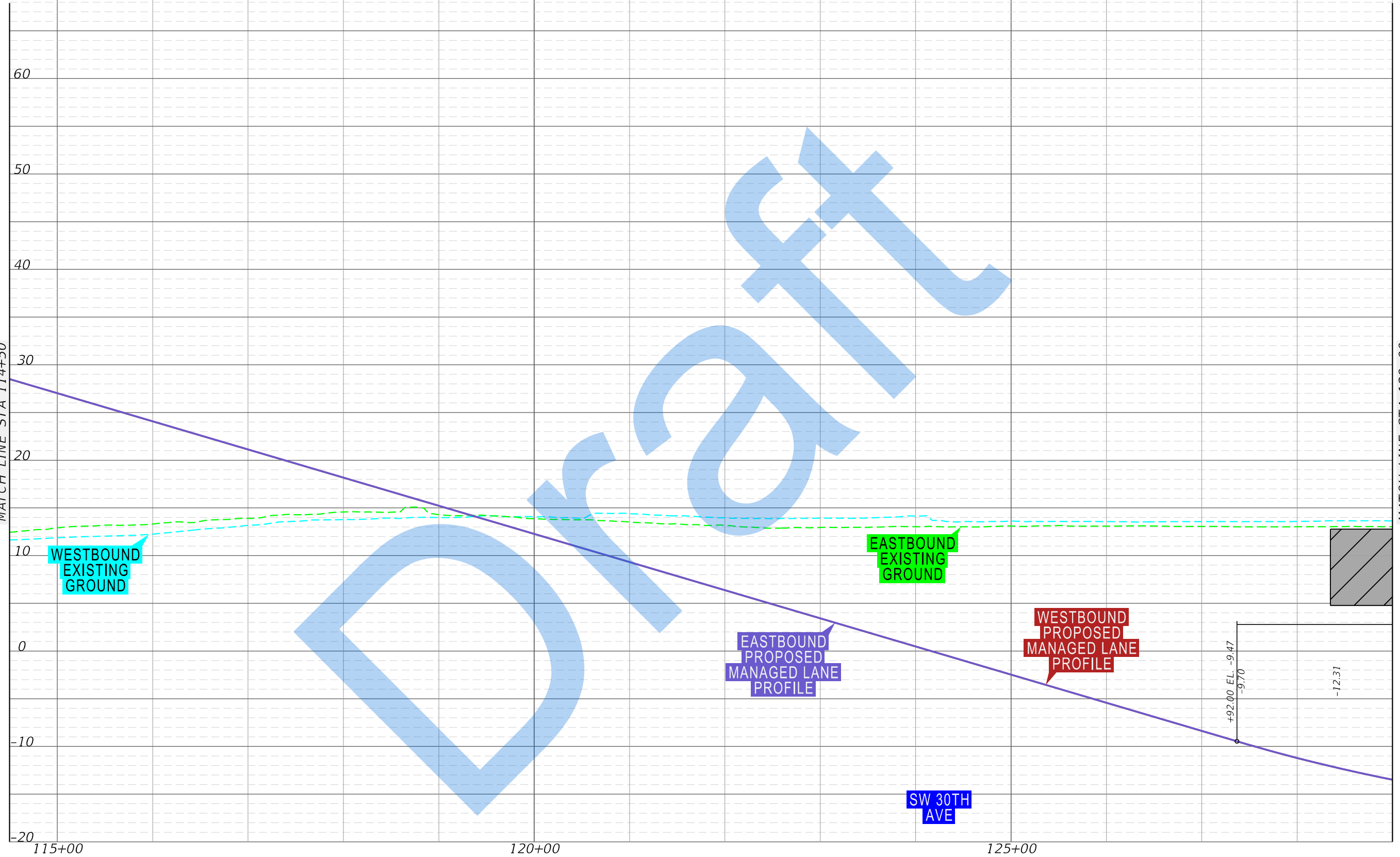
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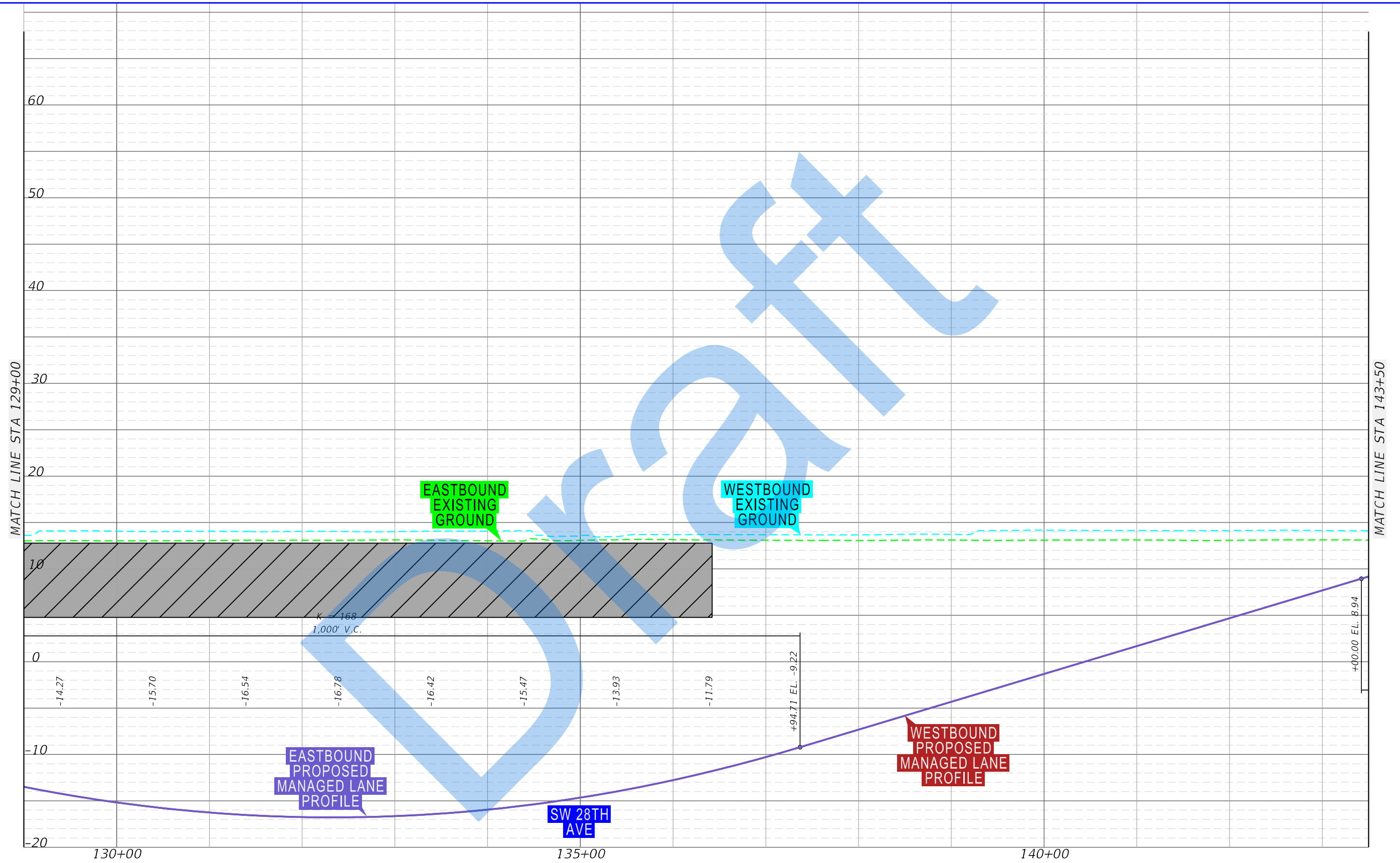
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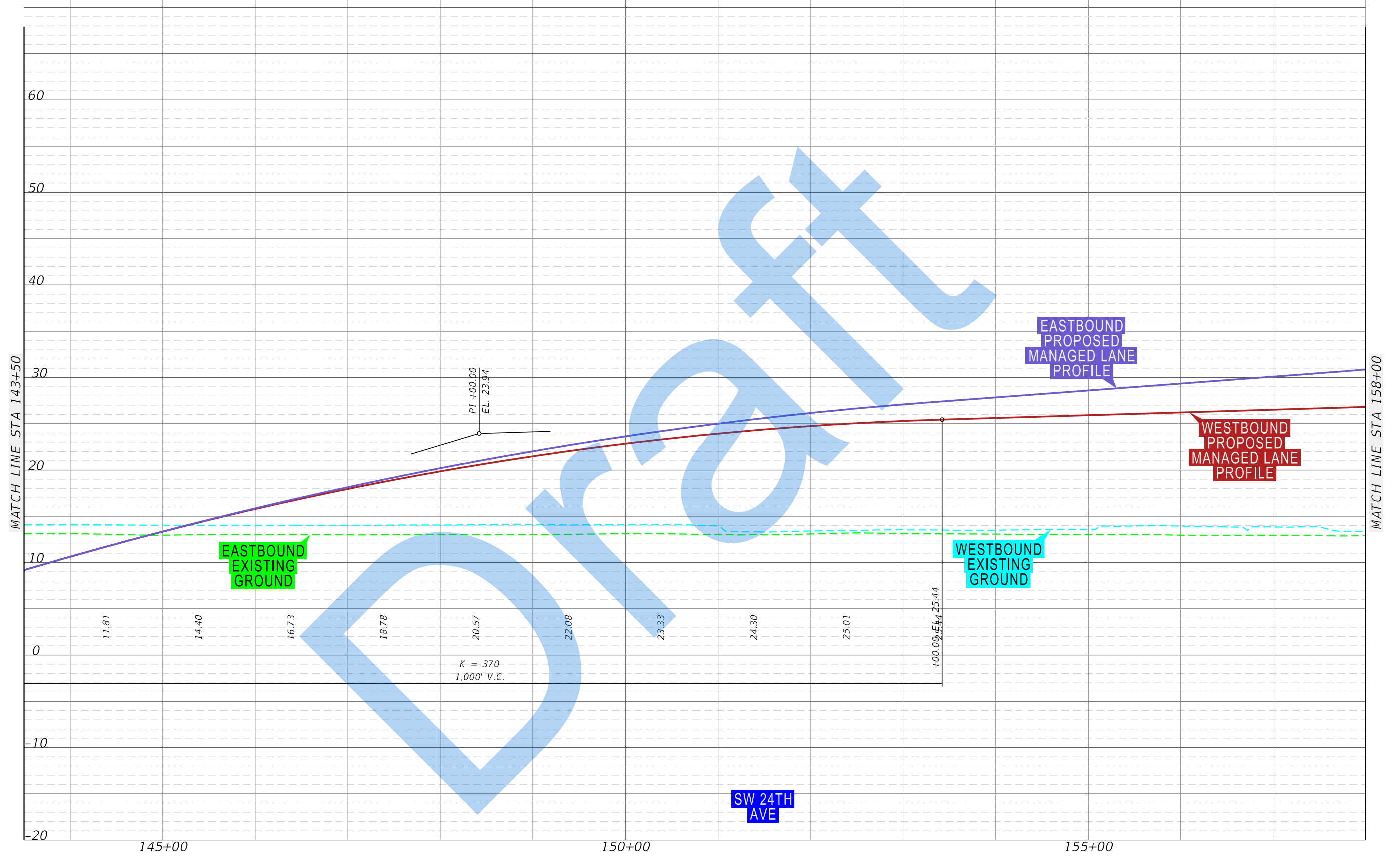
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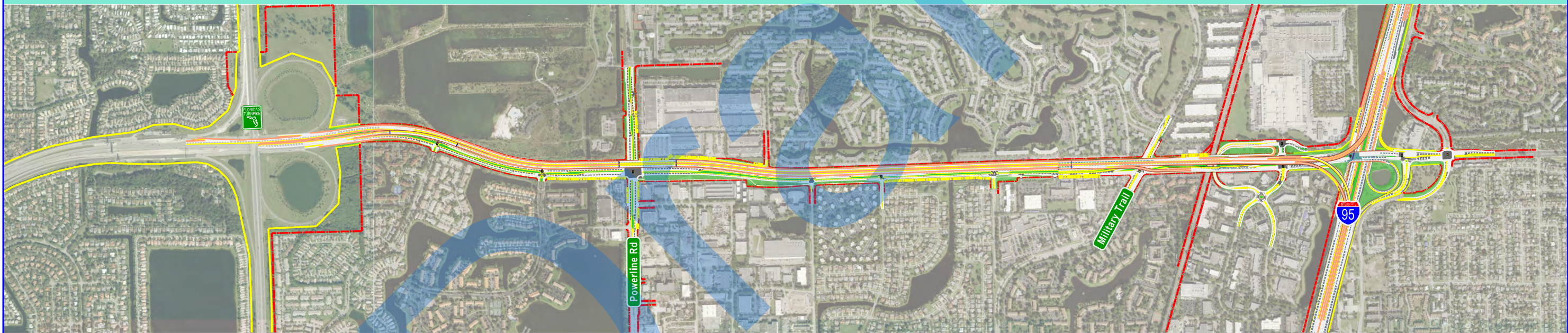


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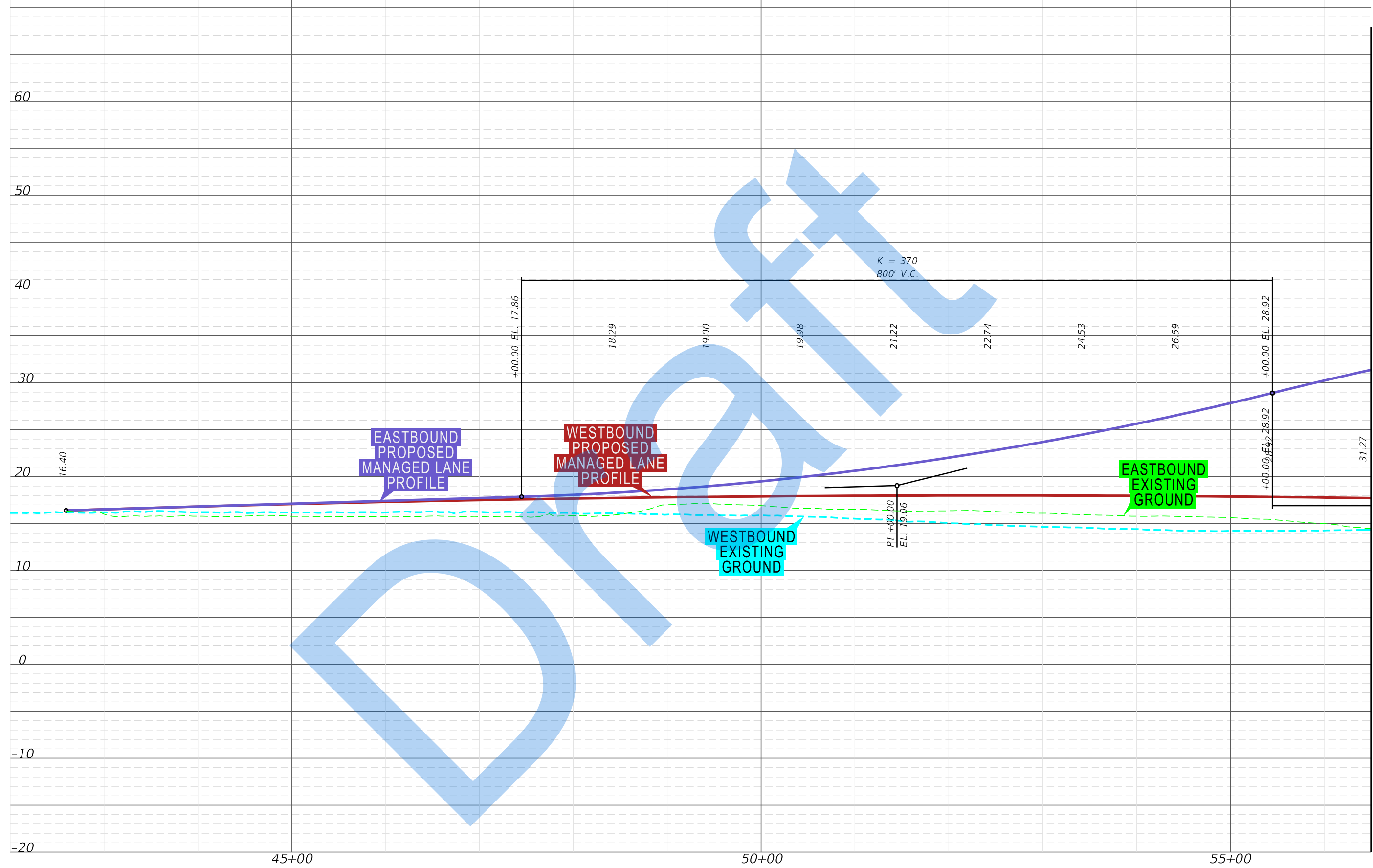
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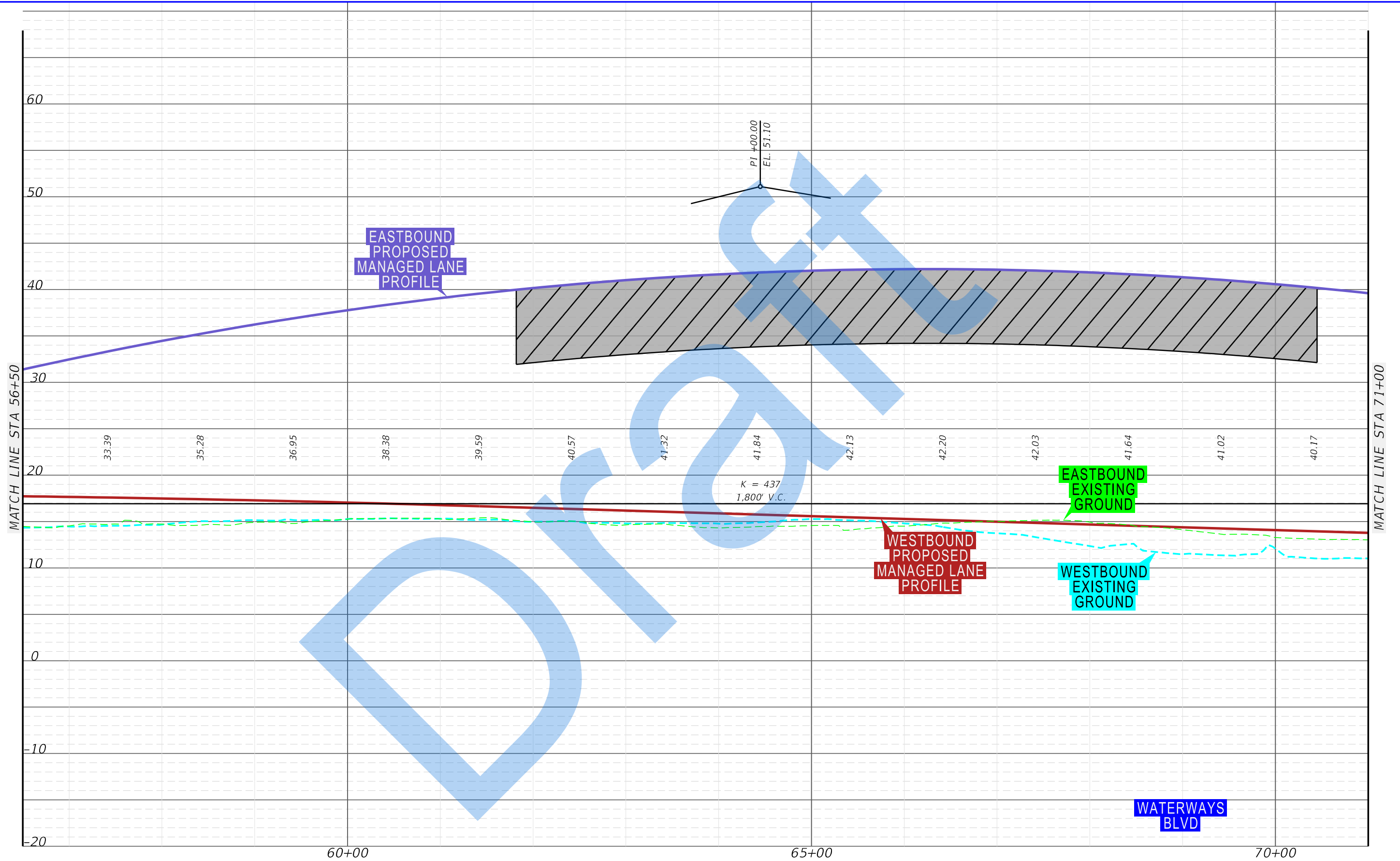


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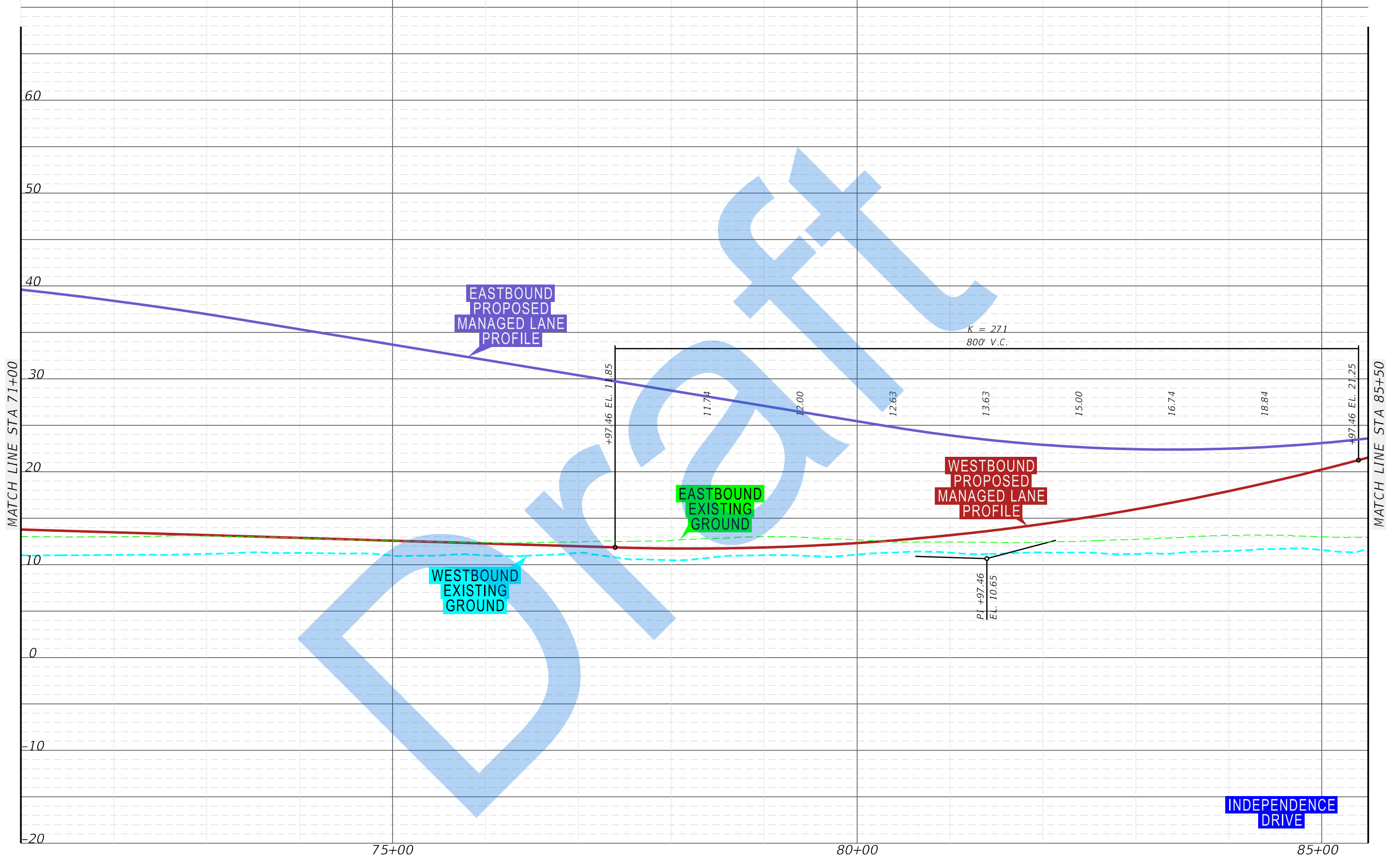
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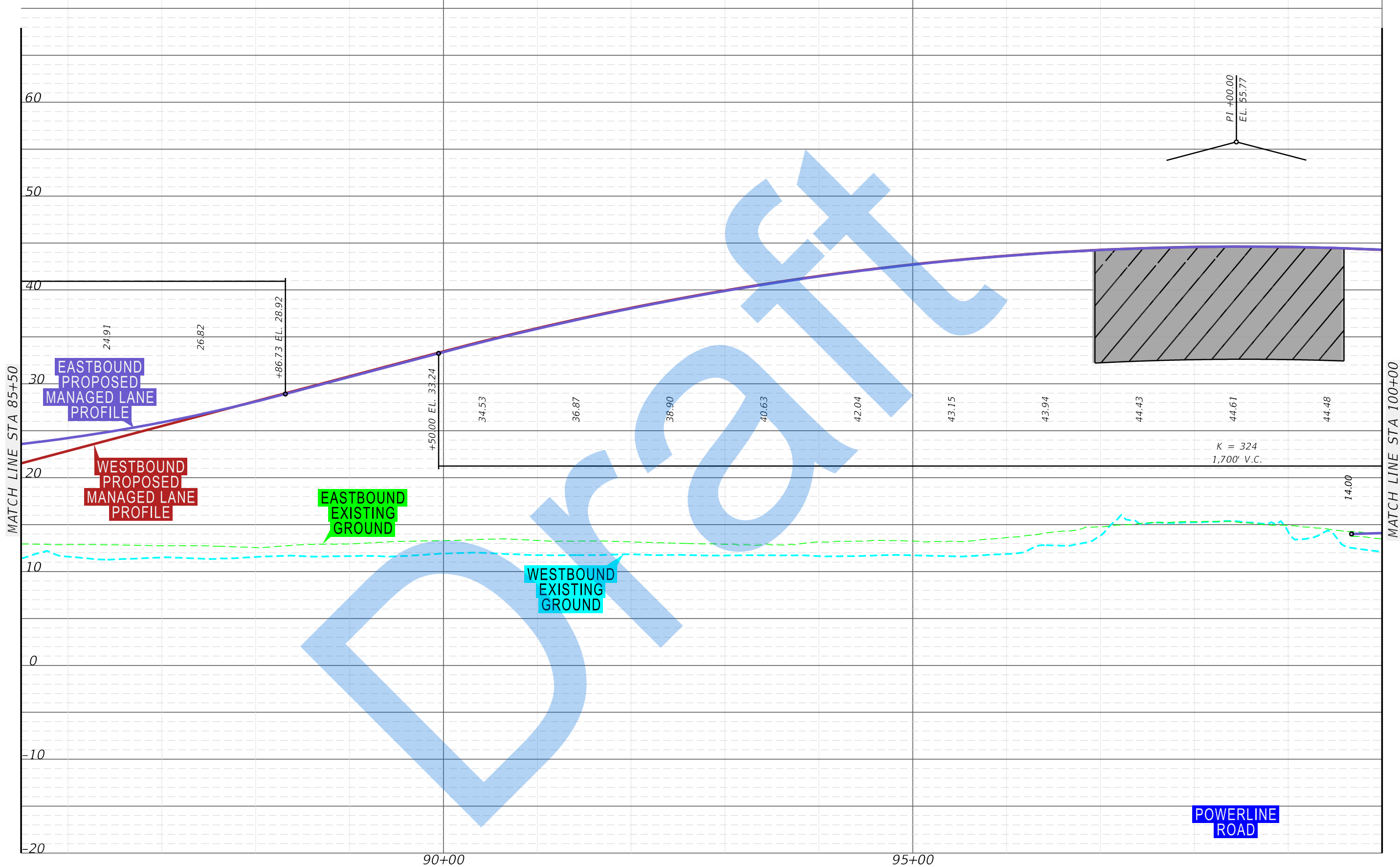


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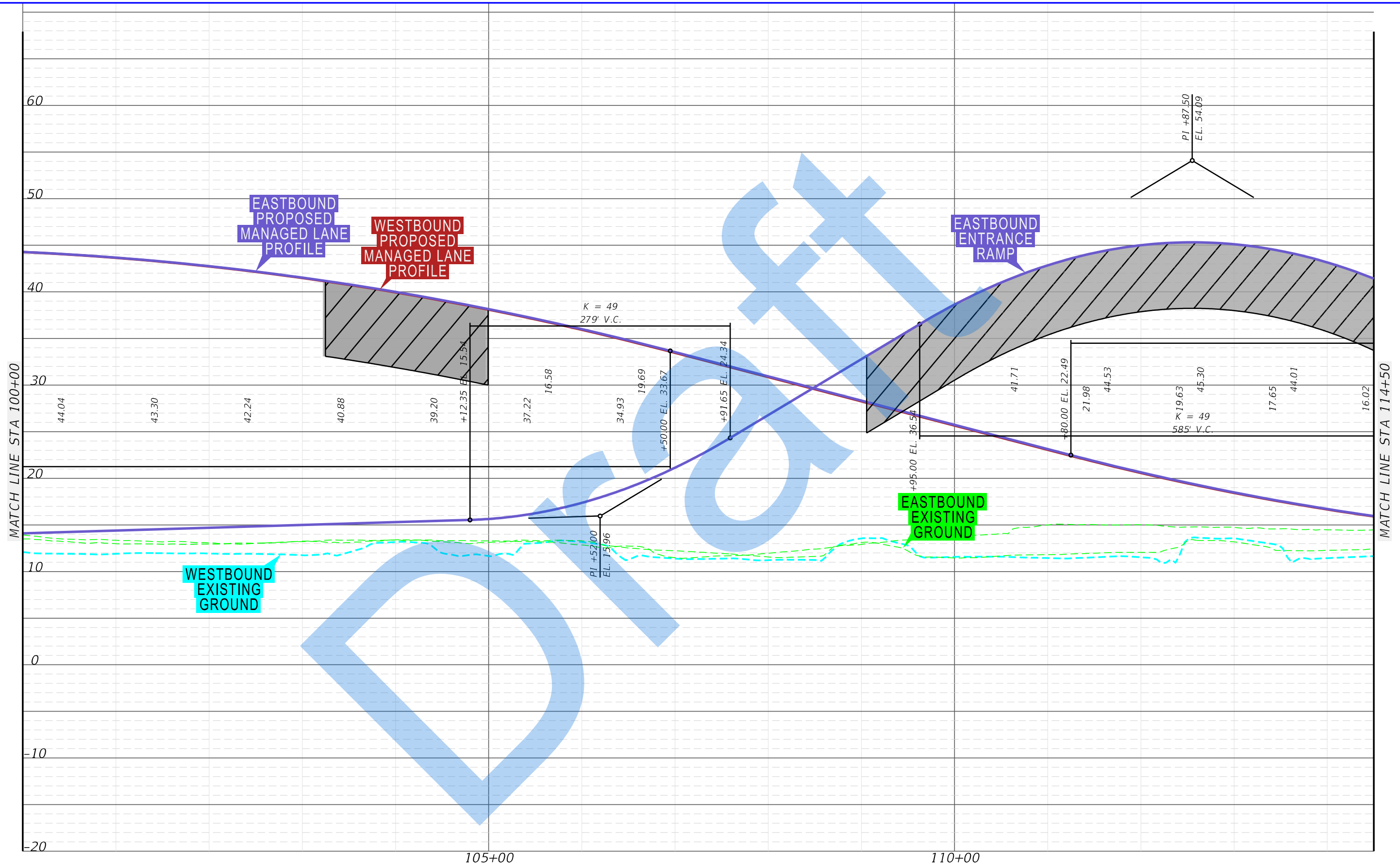


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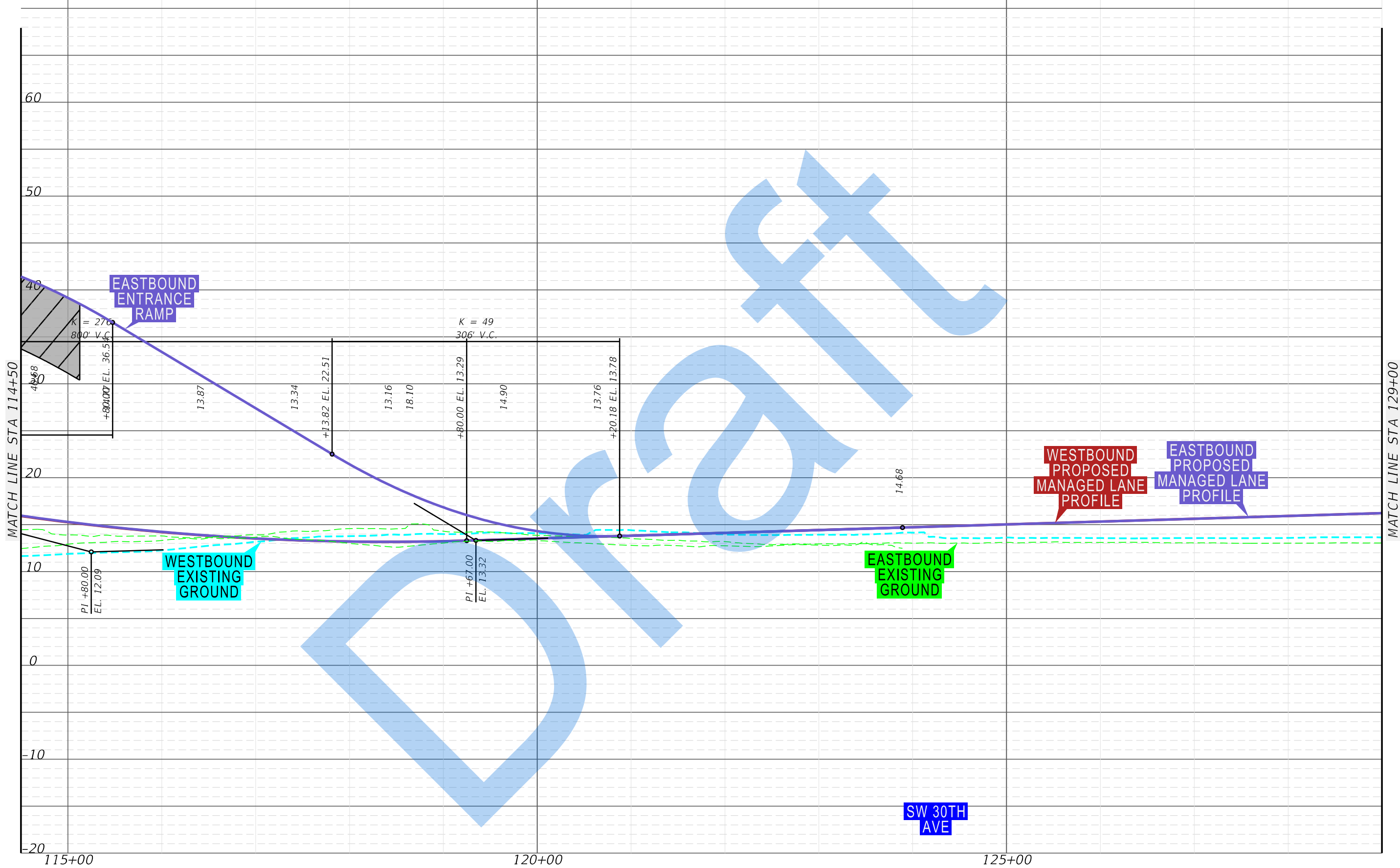
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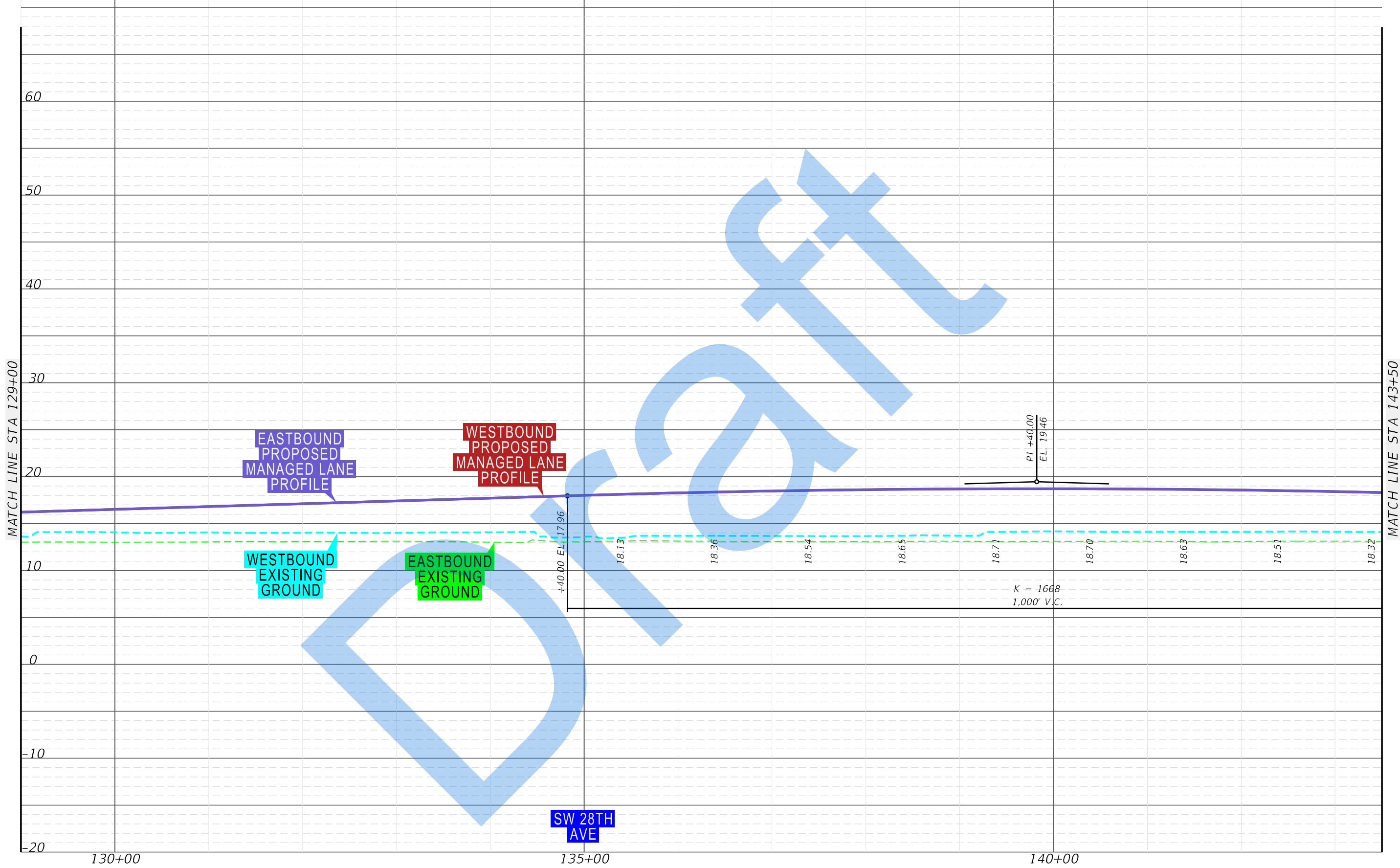
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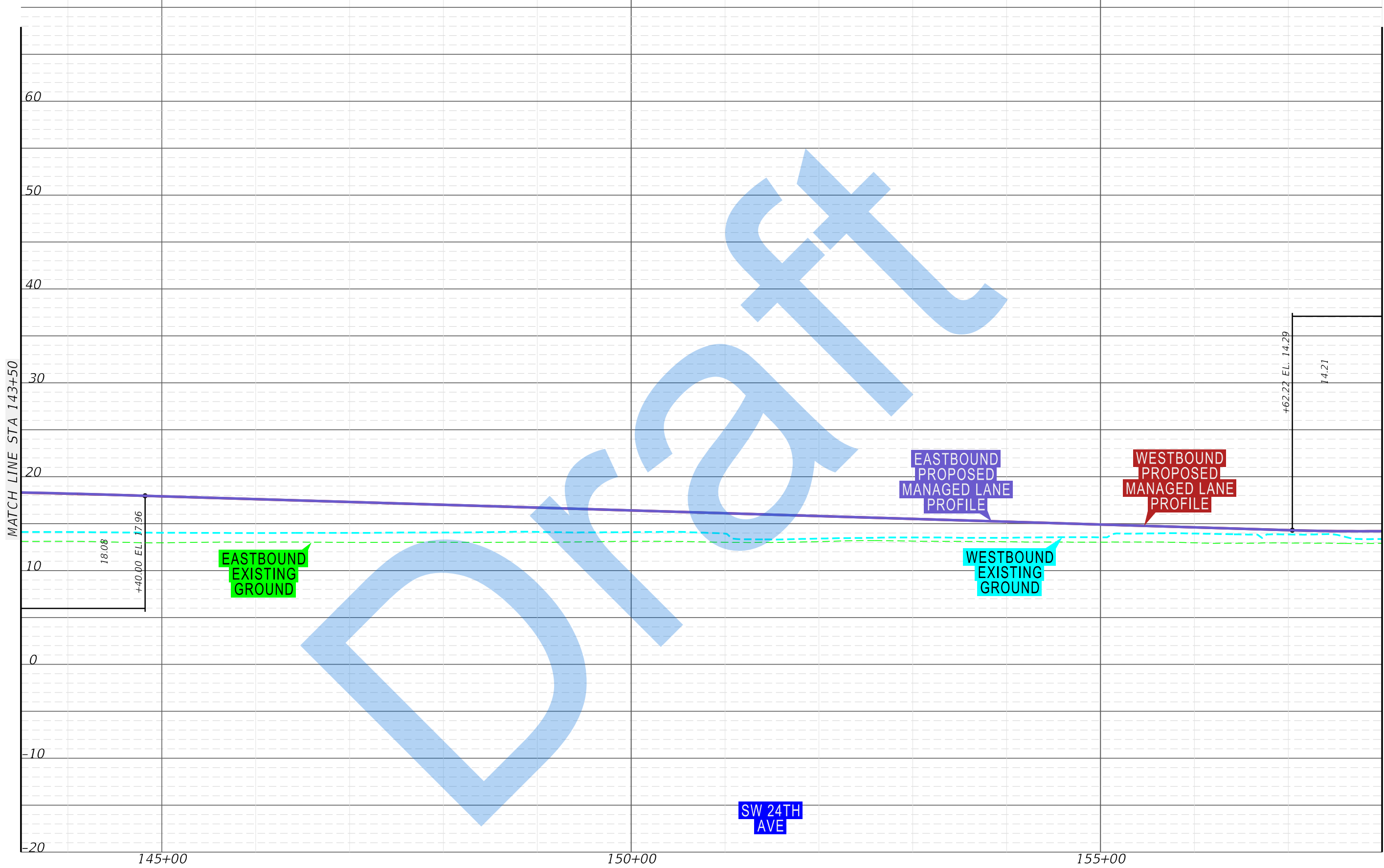


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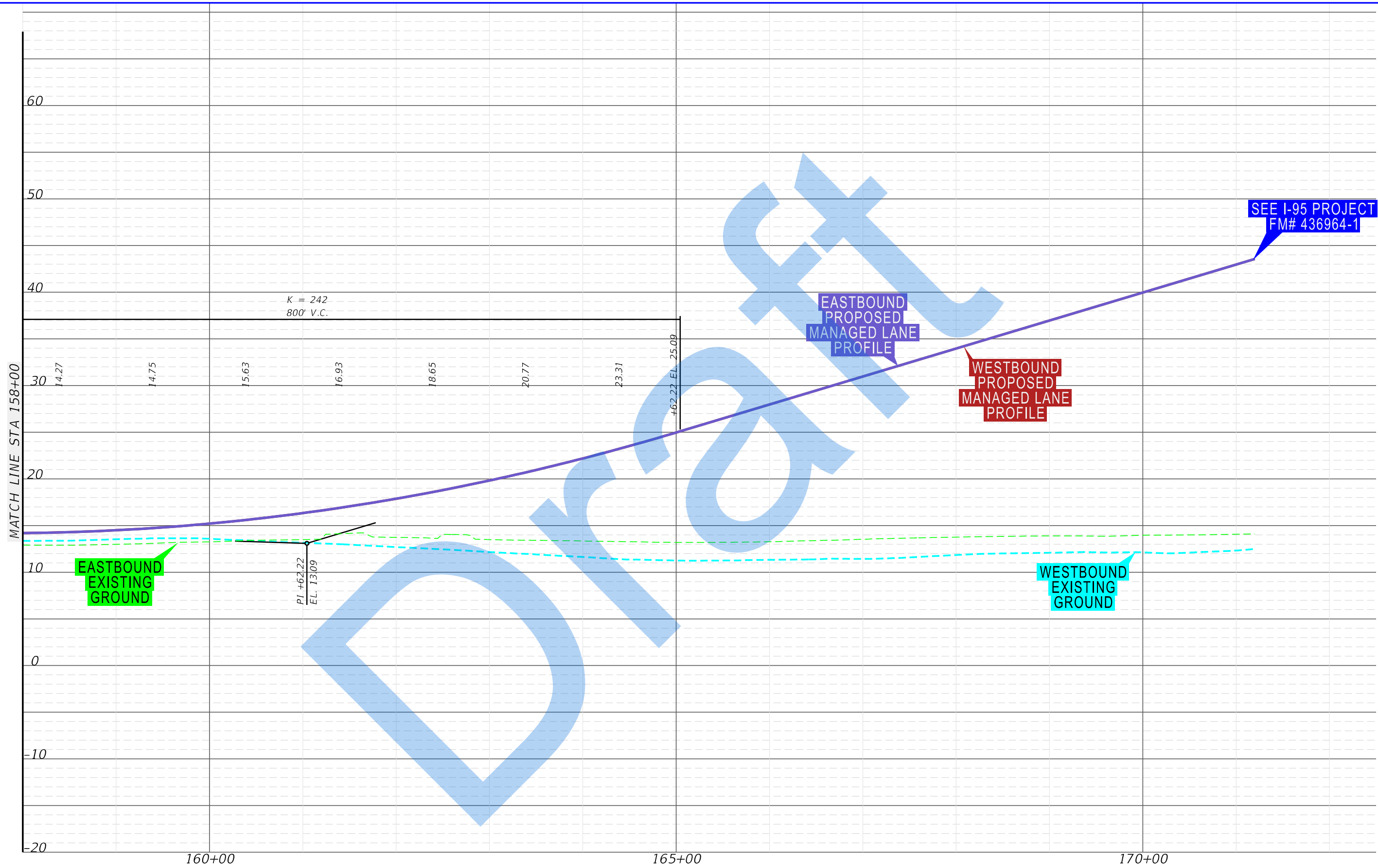
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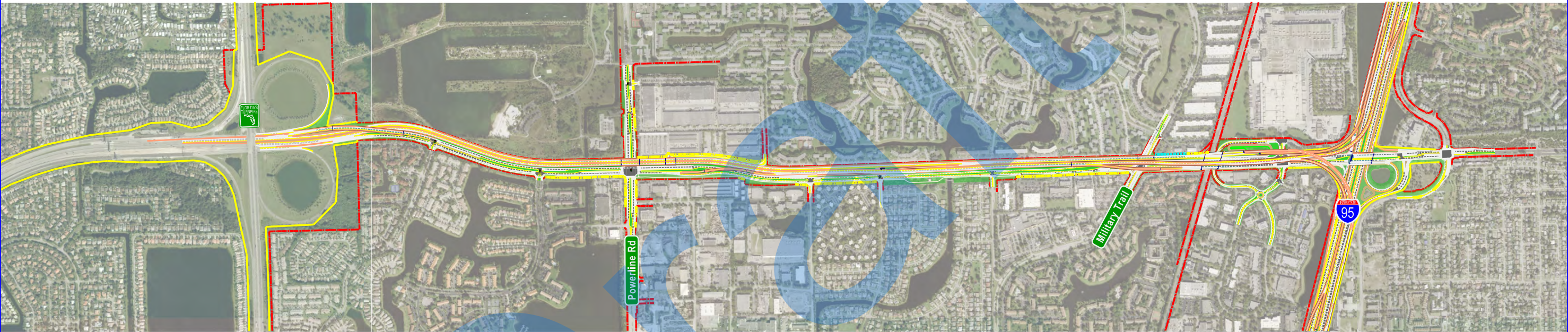
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Appendix C

Tier 3 Alternatives

Draft

APPENDIX C - TIER 3 ALTERNATIVES



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ETDM No: 14291

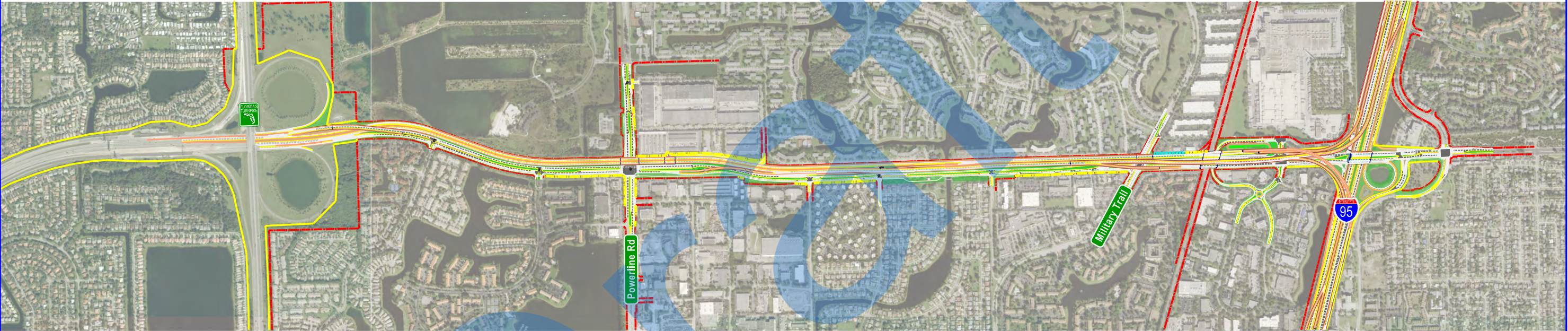


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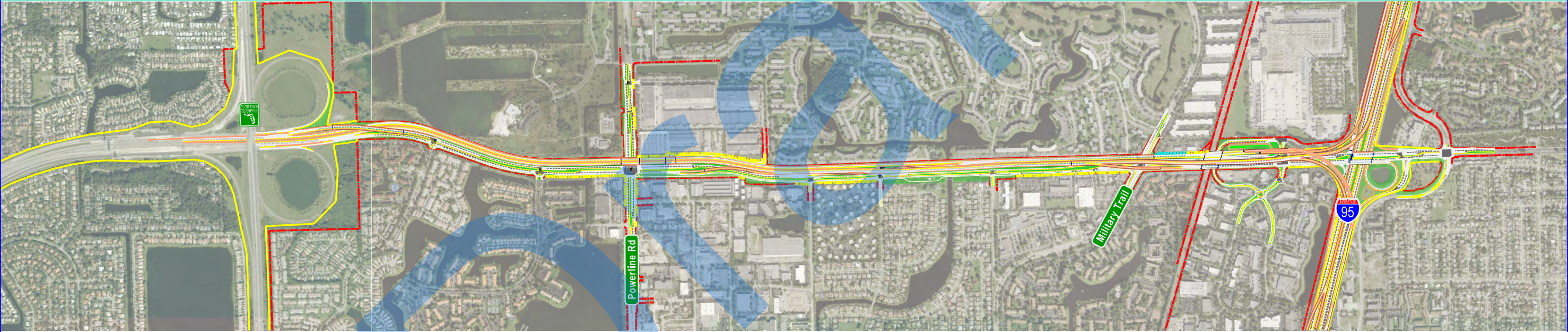
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- WITH POWERLINE ROAD RAMPS PROFILE
- WITHOUT POWERLINE ROAD RAMPS PROFILE

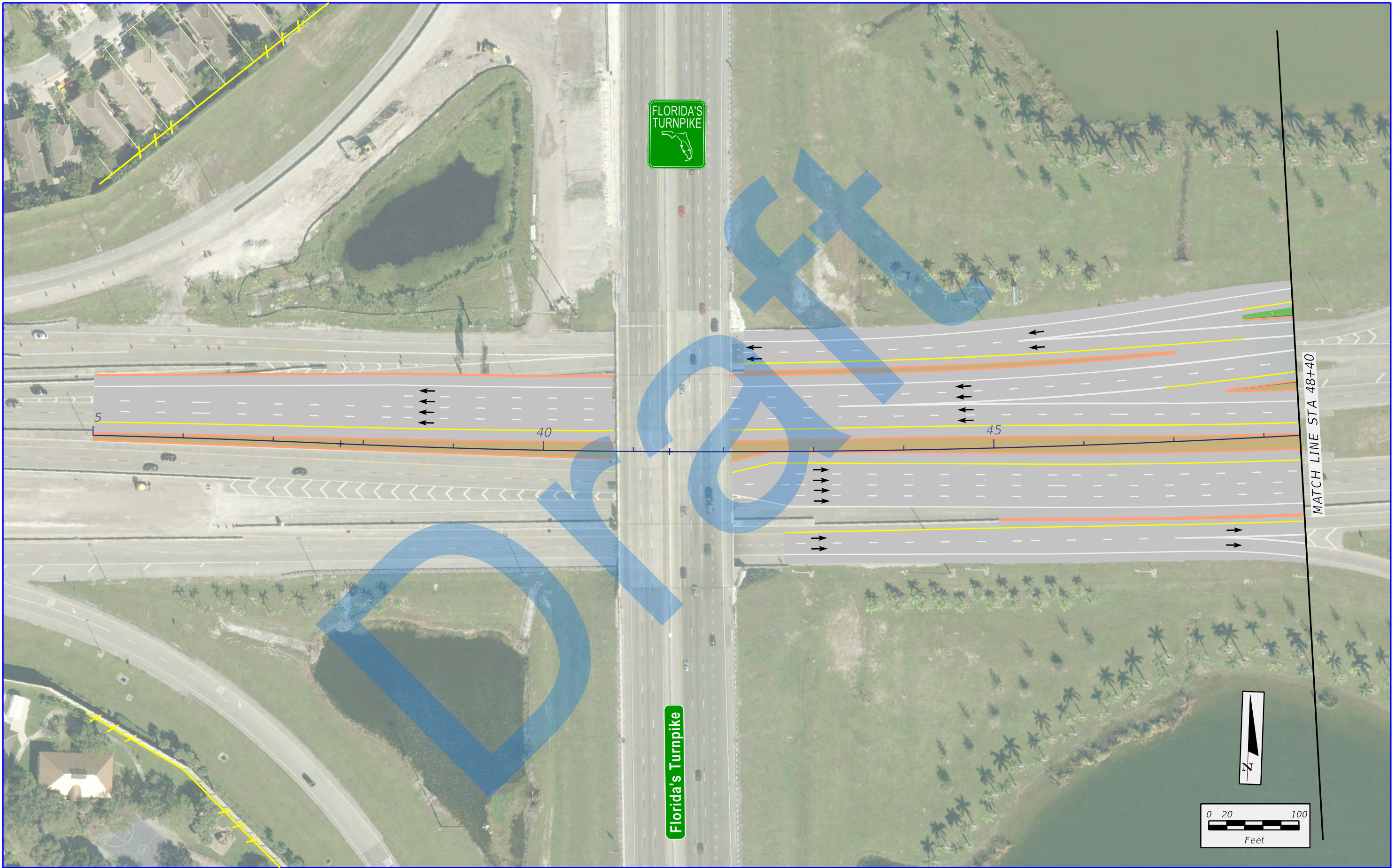
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WITH POWERLINE ROAD RAMPS ALTERNATIVE



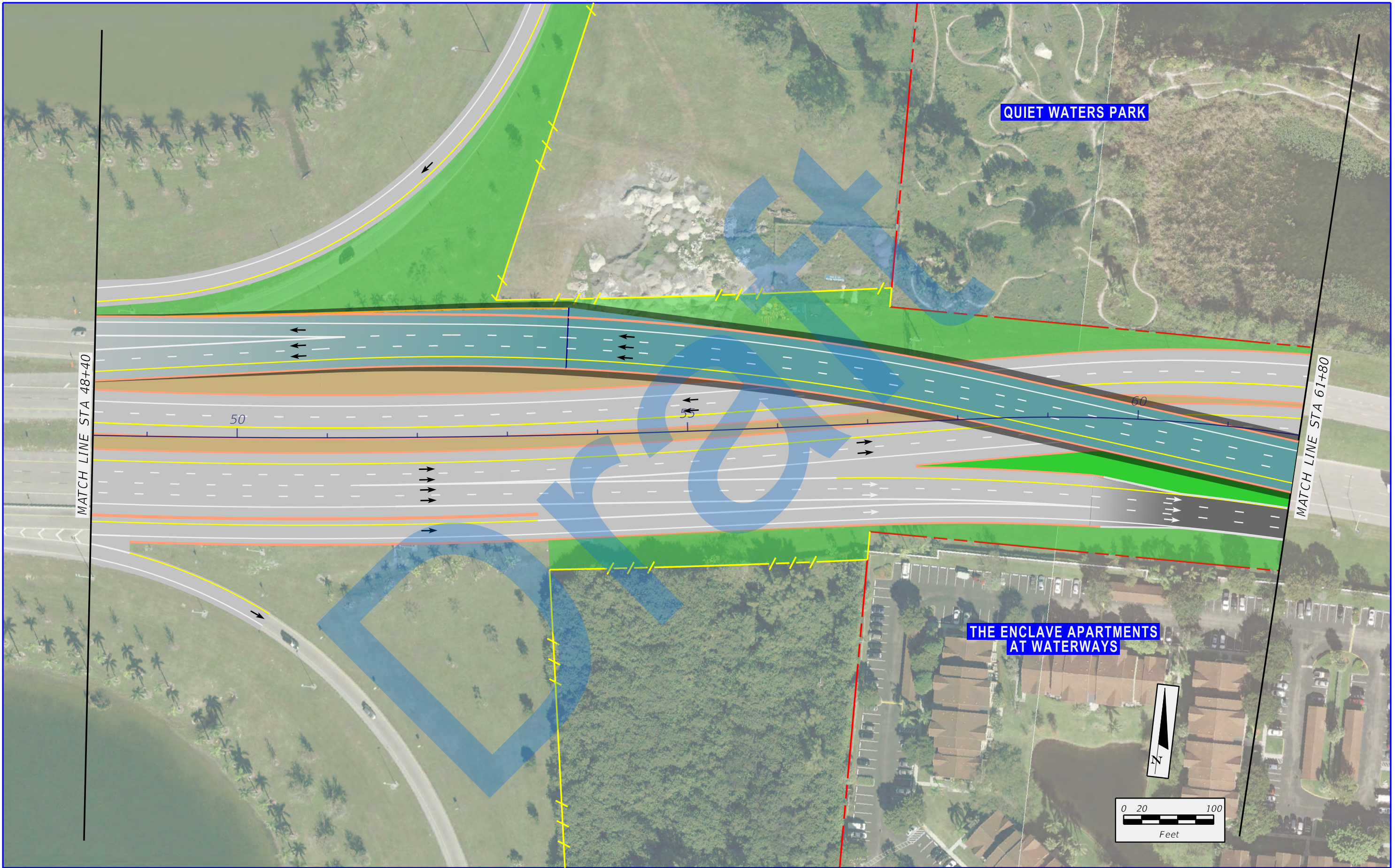
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX C WITH POWERLINE ROAD RAMPS ALTERNATIVE

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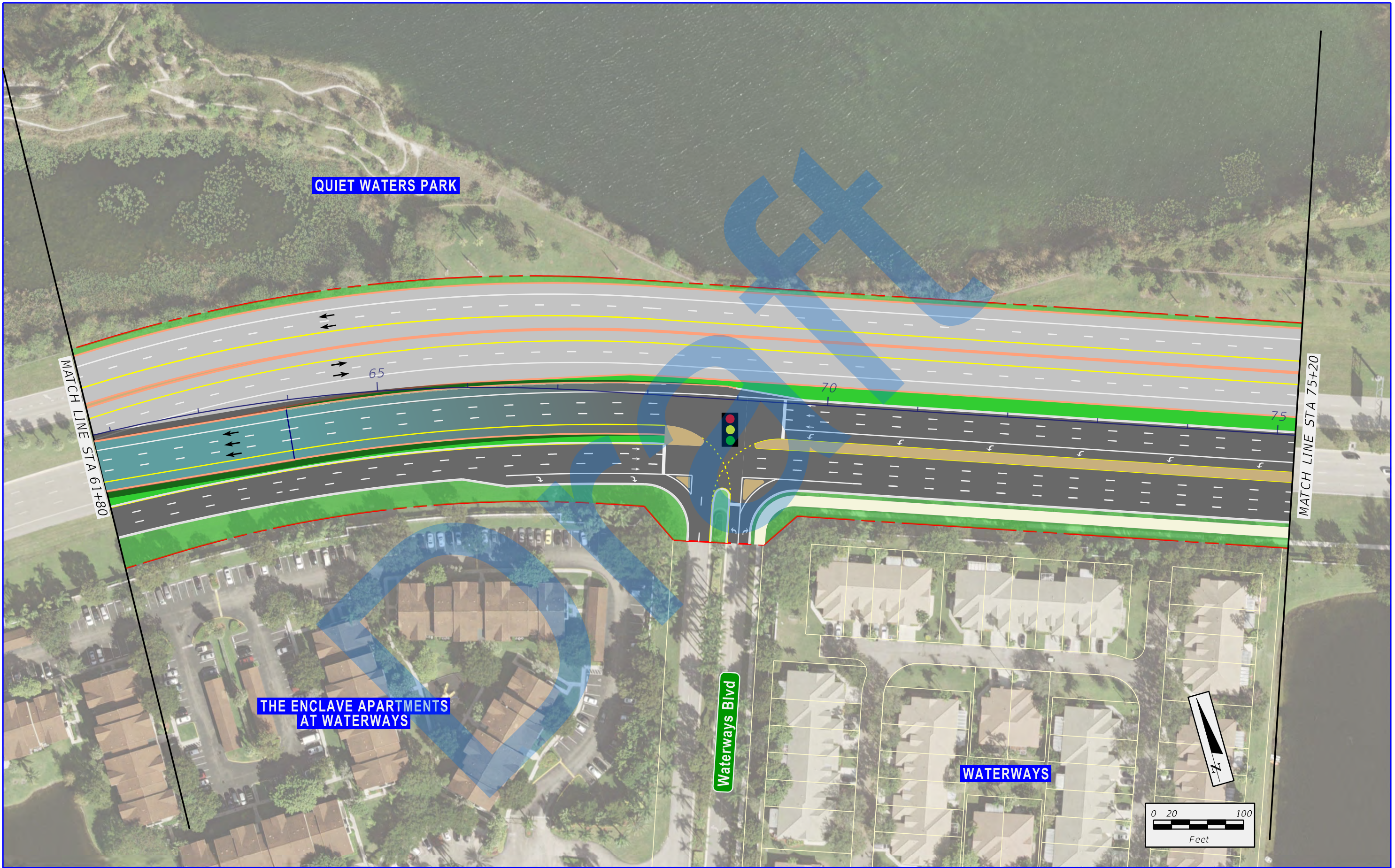
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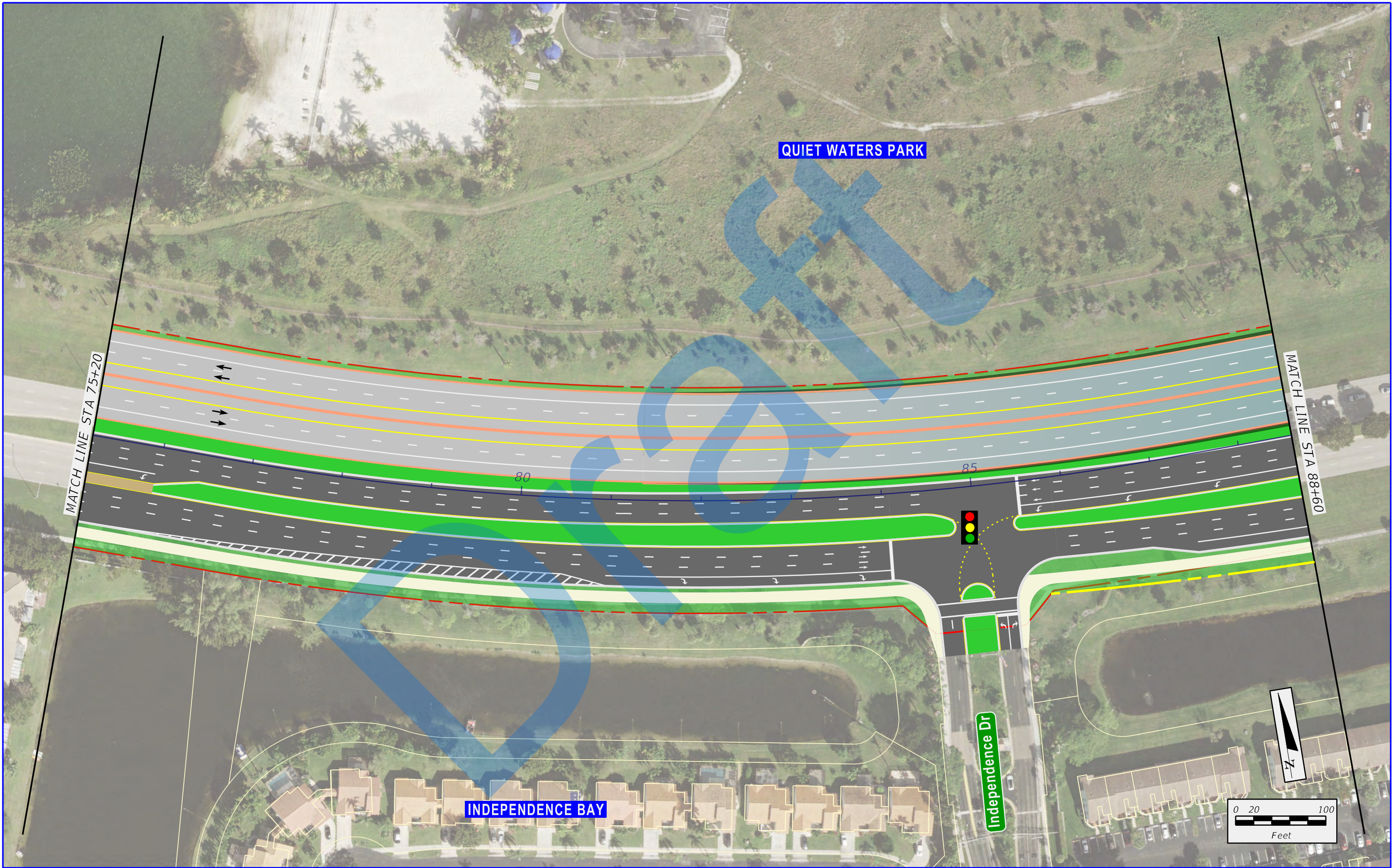
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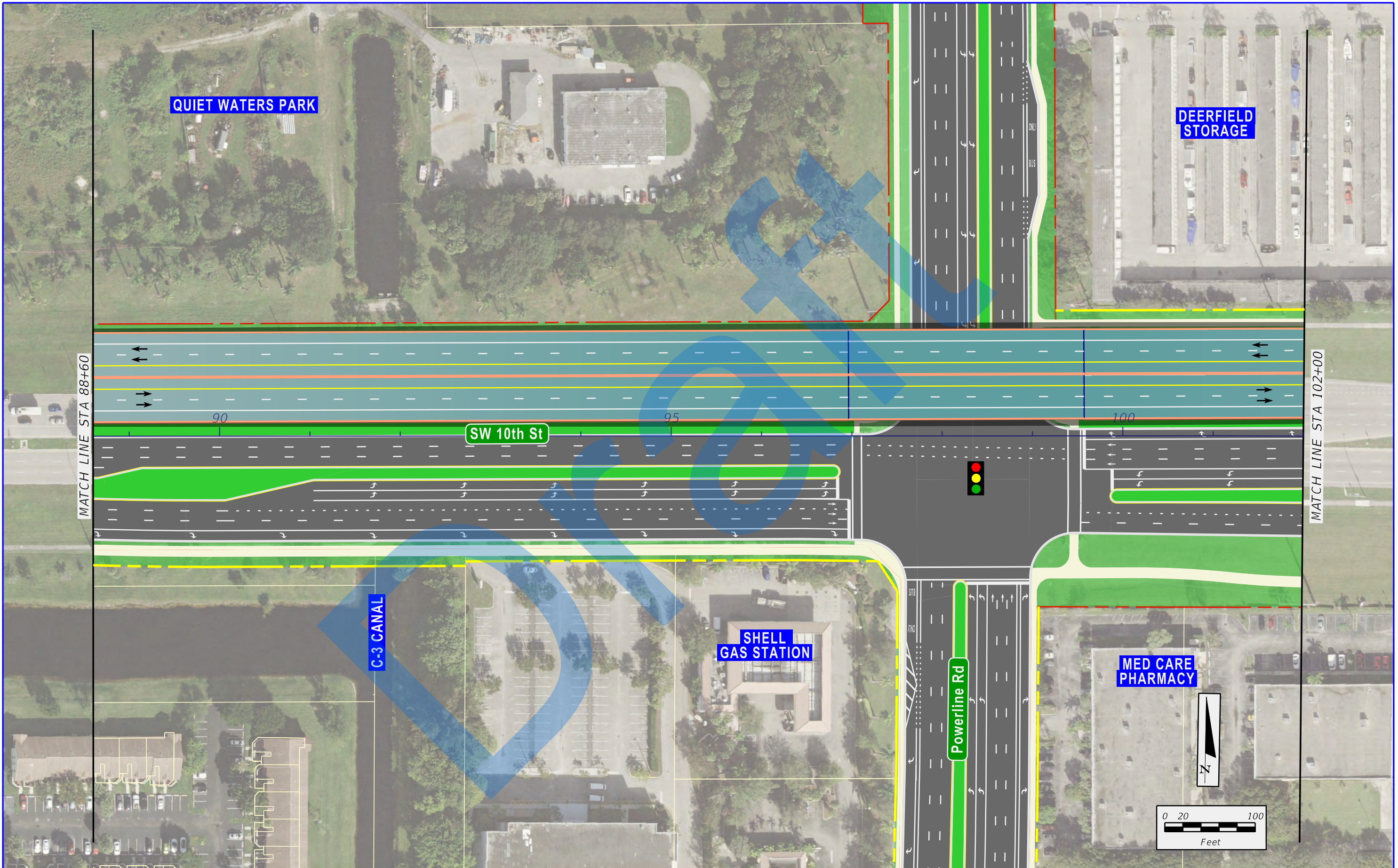
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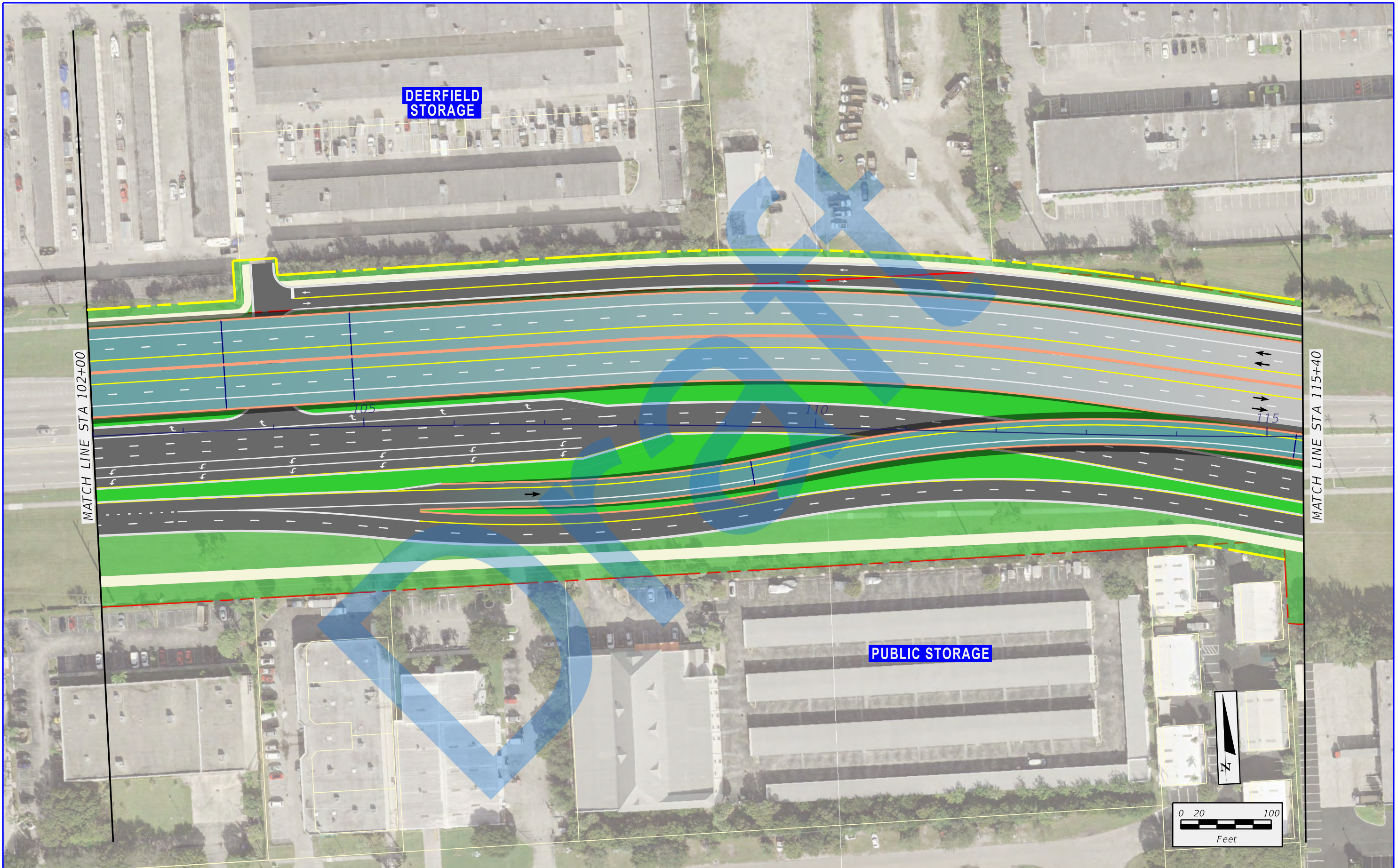


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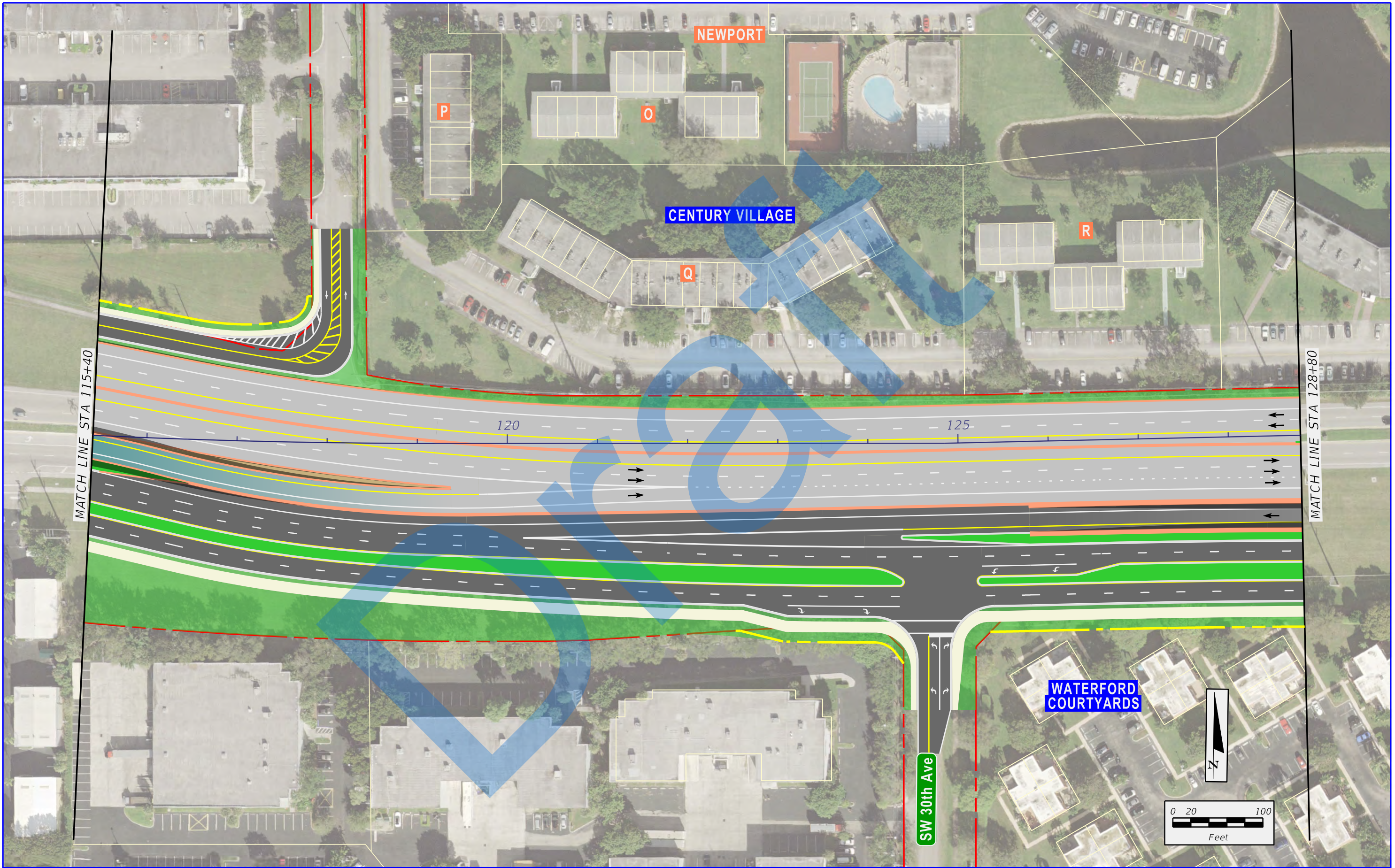


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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL		C-5



 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95

Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND			
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX C

WITH POWERLINE ROAD

RAMPS ALTERNATIVE

SHEET NO.

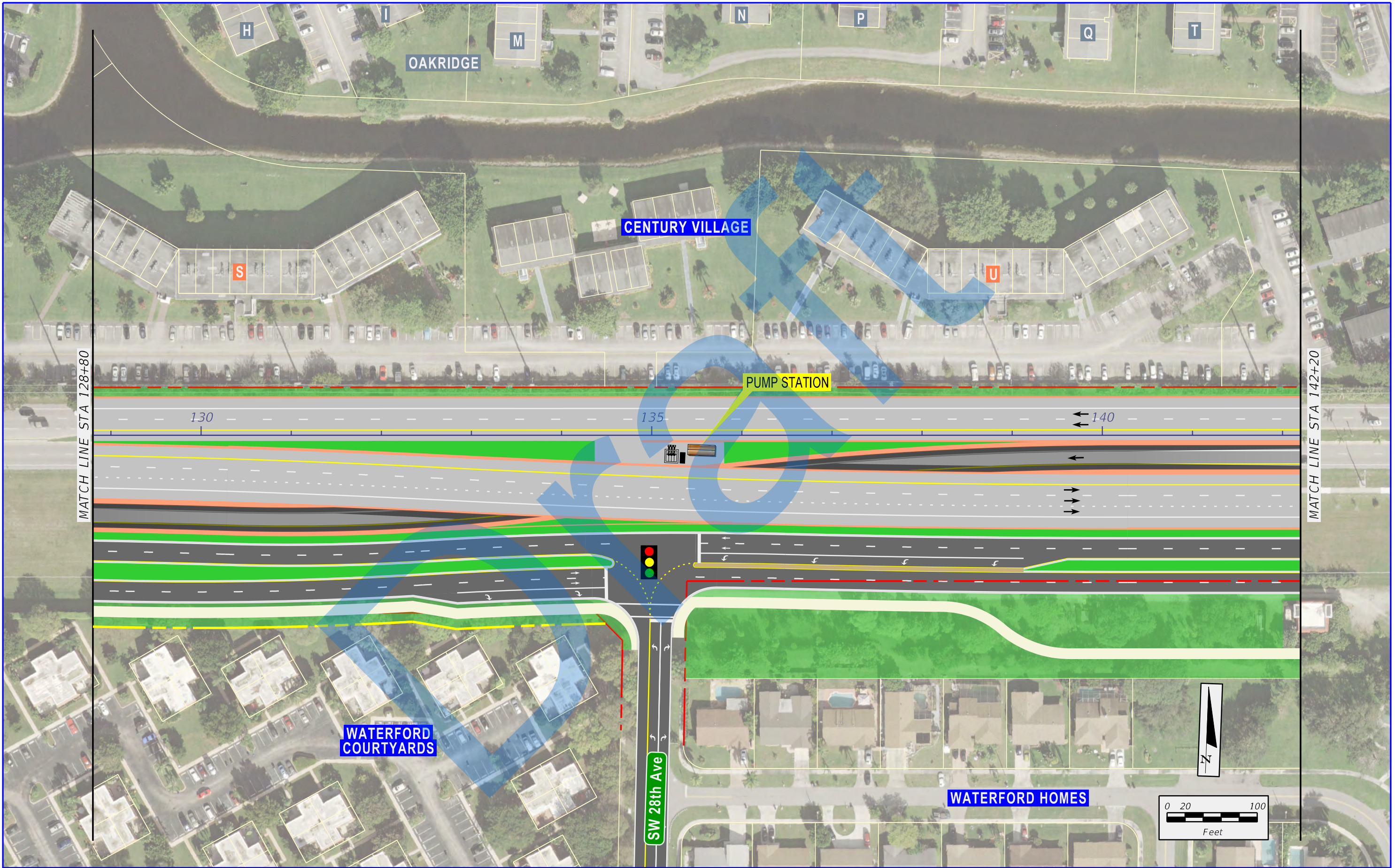
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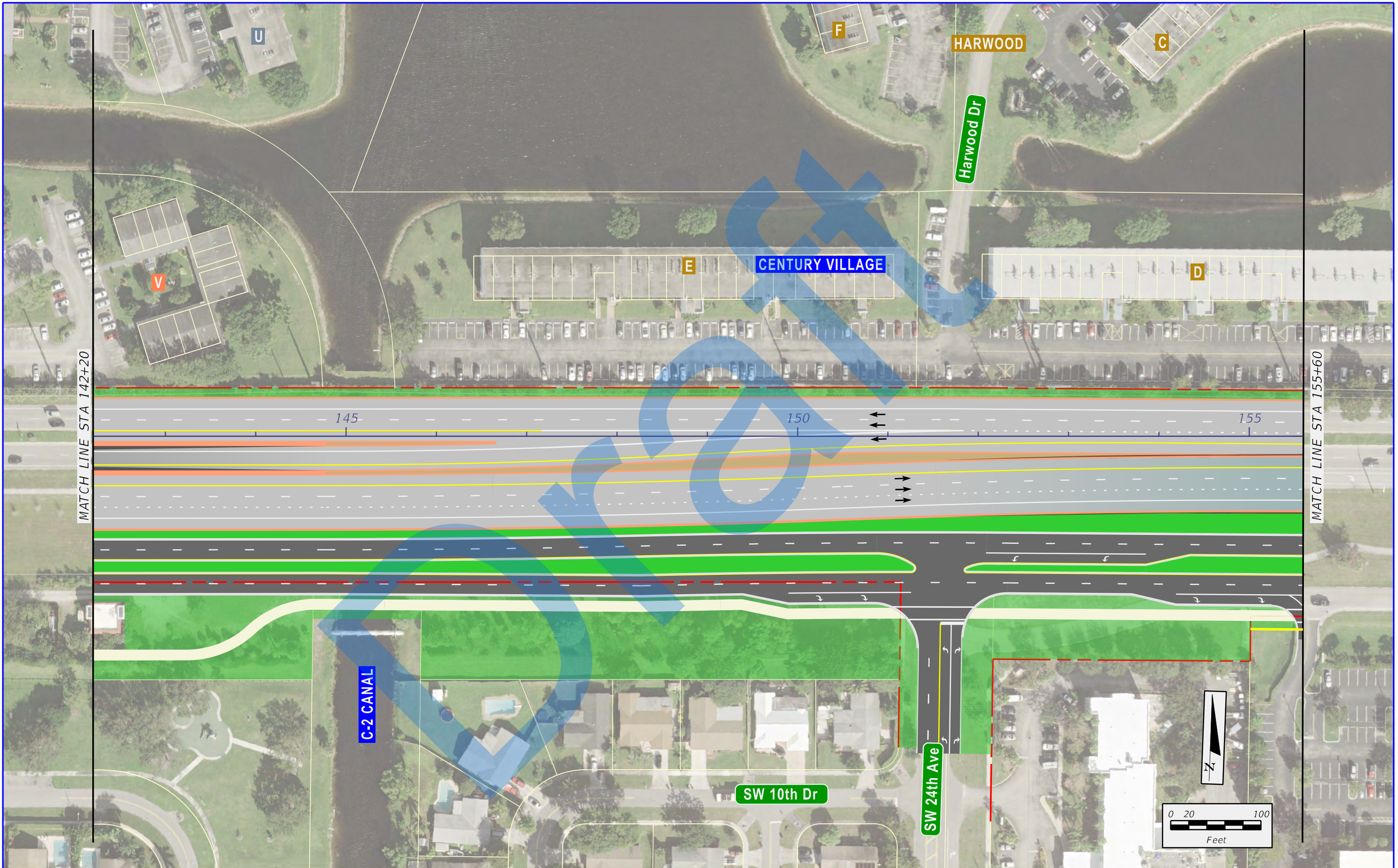
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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX C WITH POWERLINE ROAD RAMPS ALTERNATIVE	SHEET NO.
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	C-8			

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

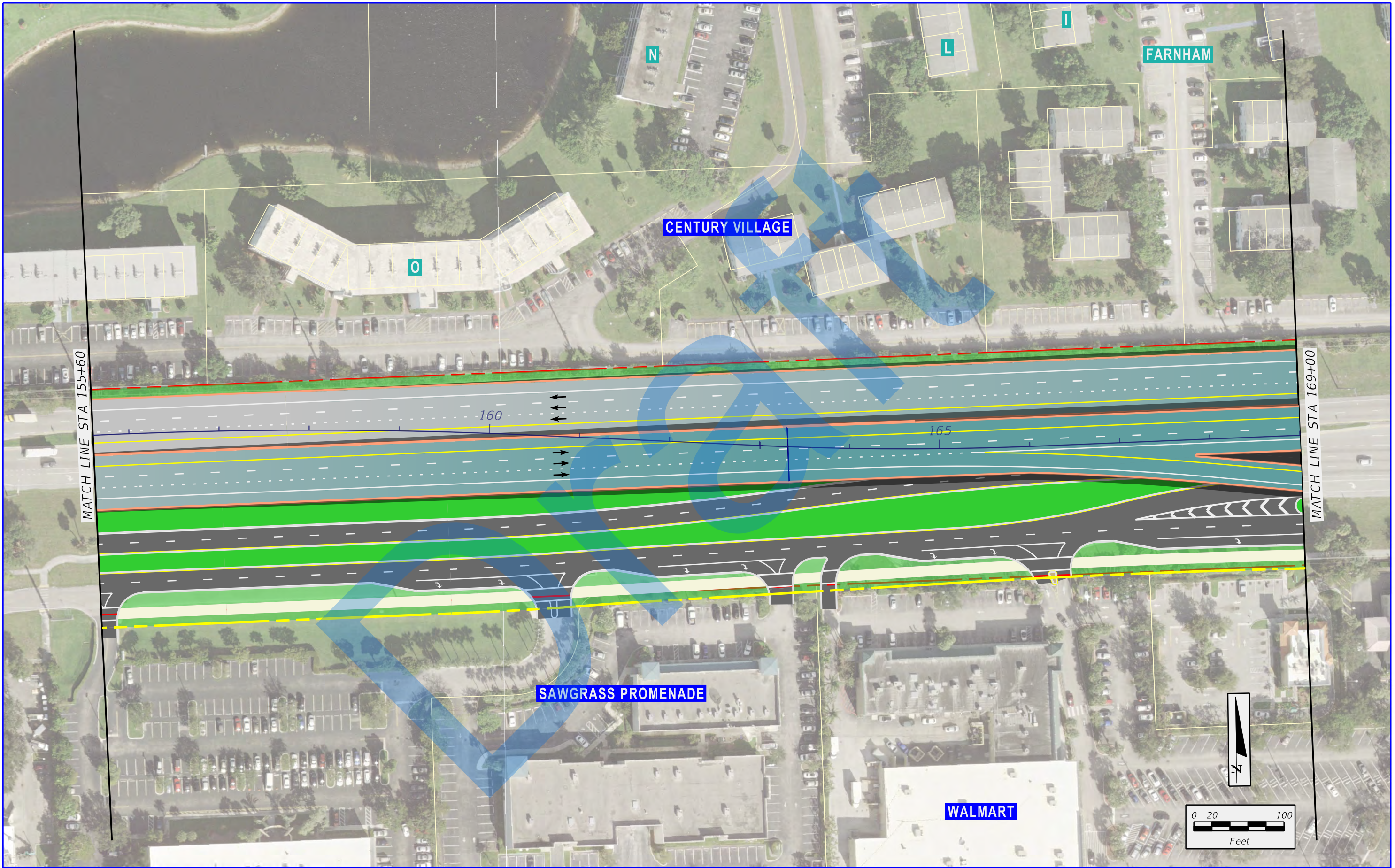
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---	EXISTING PARCEL LINES	---	PROPOSED LOCAL SW 10TH ST	---	TEMPORARY EASEMENT
---	LIMITED ACCESS RIGHT-OF-WAY	---	PROPOSED 2ND LEVEL BRIDGE	---	PROPOSED SIDEWALK
---	PROPOSED RIGHT-OF-WAY	---	PROPOSED 3RD LEVEL BRIDGE	---	PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITH POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET NO.
C-9

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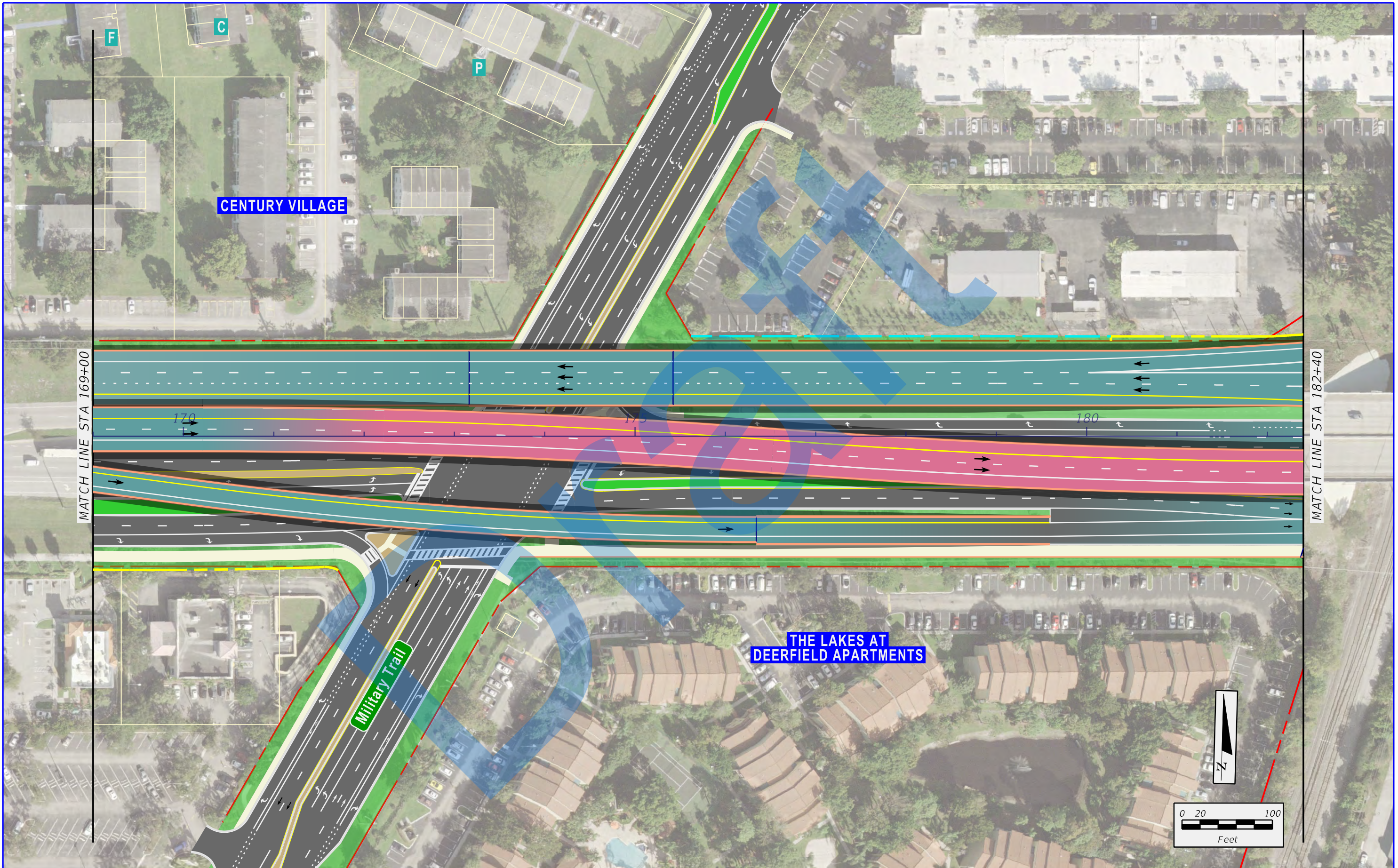
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND		
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EXISTING PARCEL LINES	PROPOSED LOCAL SW 10TH ST	TEMPORARY EASEMENT
LIMITED ACCESS RIGHT-OF-WAY	PROPOSED 2ND LEVEL BRIDGE	PROPOSED SIDEWALK
PROPOSED RIGHT-OF-WAY	PROPOSED 3RD LEVEL BRIDGE	PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITH POWERLINE ROAD
RAMPS ALTERNATIVE

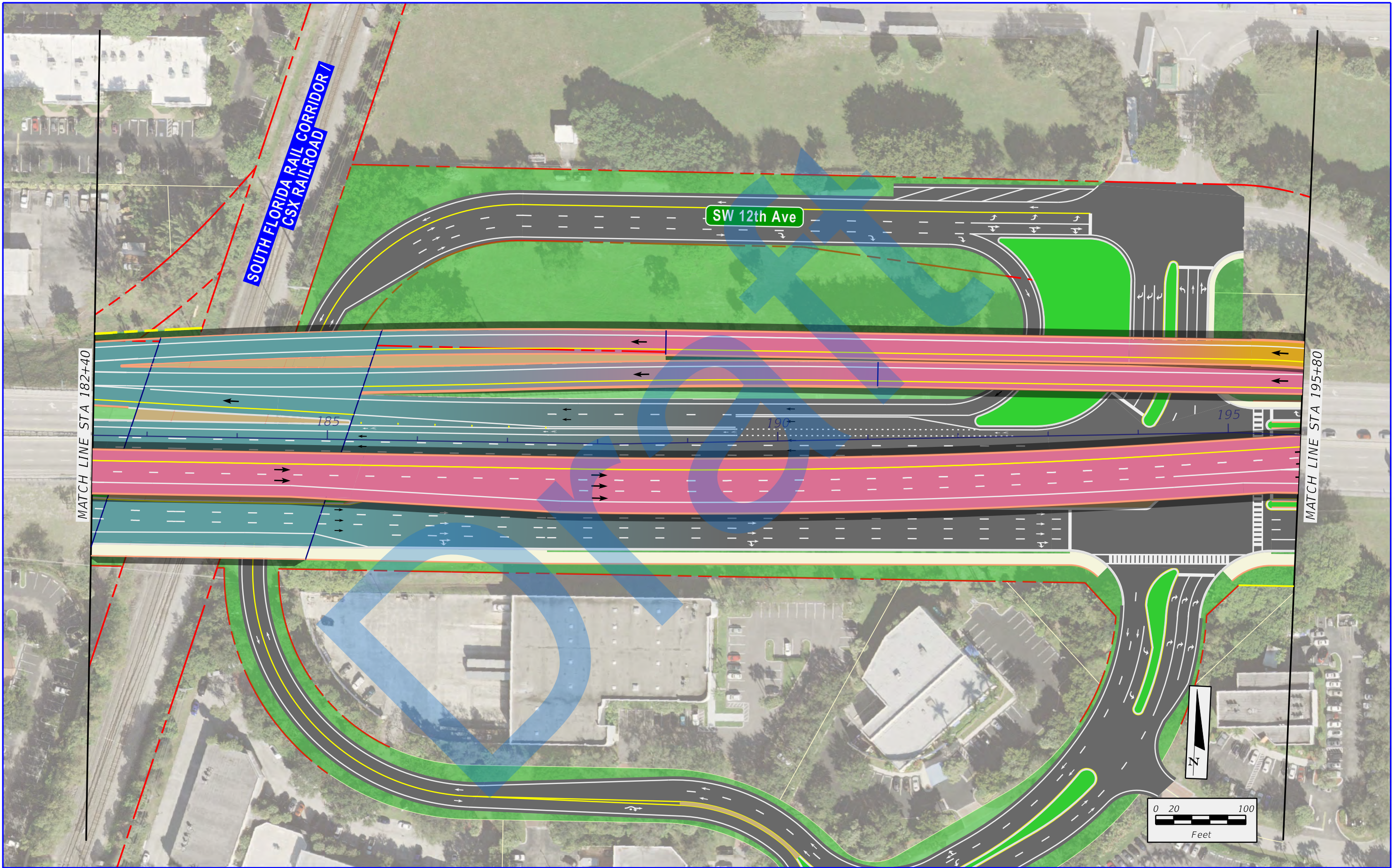
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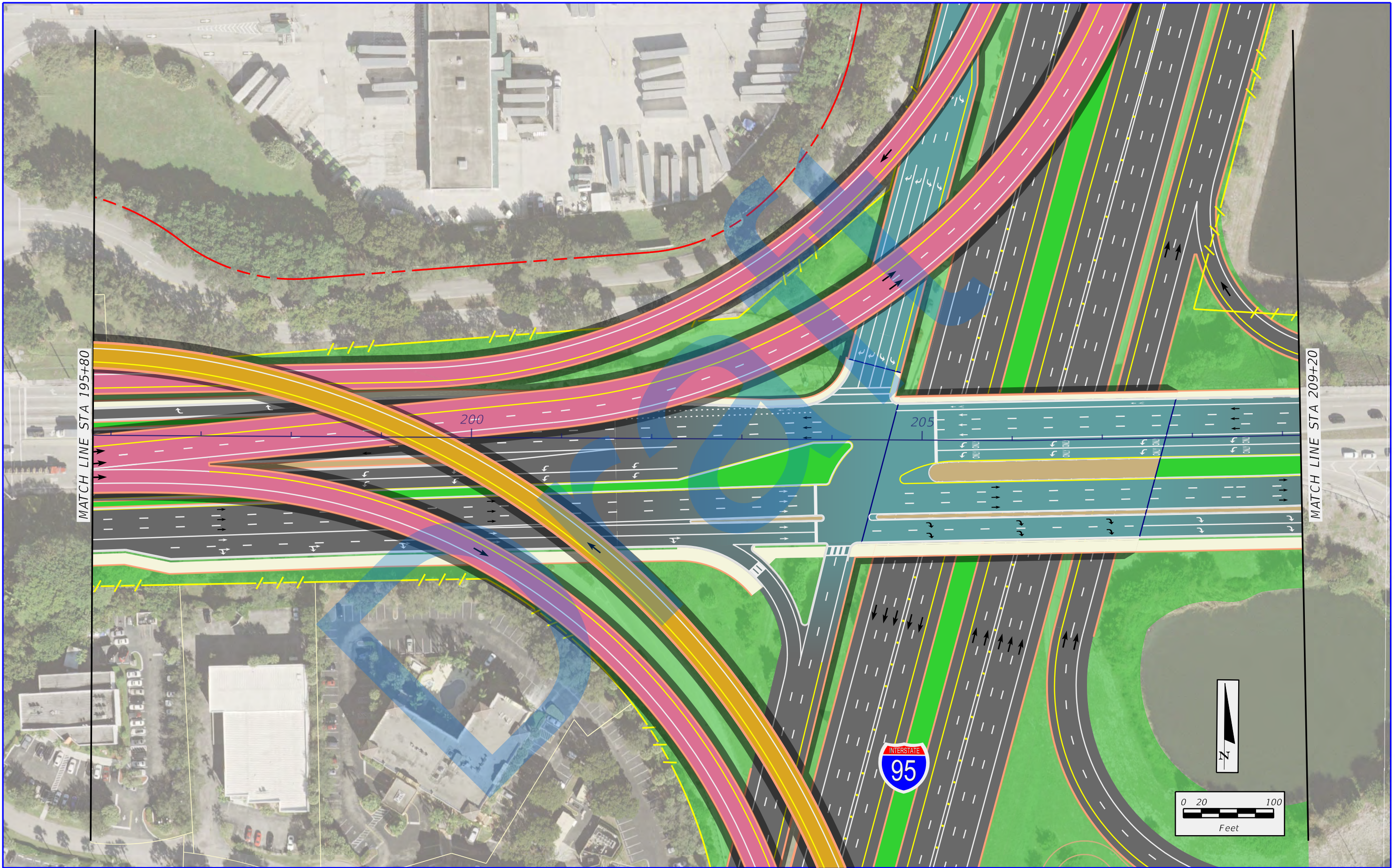
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND			APPENDIX C WITH POWERLINE ROAD RAMPS ALTERNATIVE	SHEET NO. C-12
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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

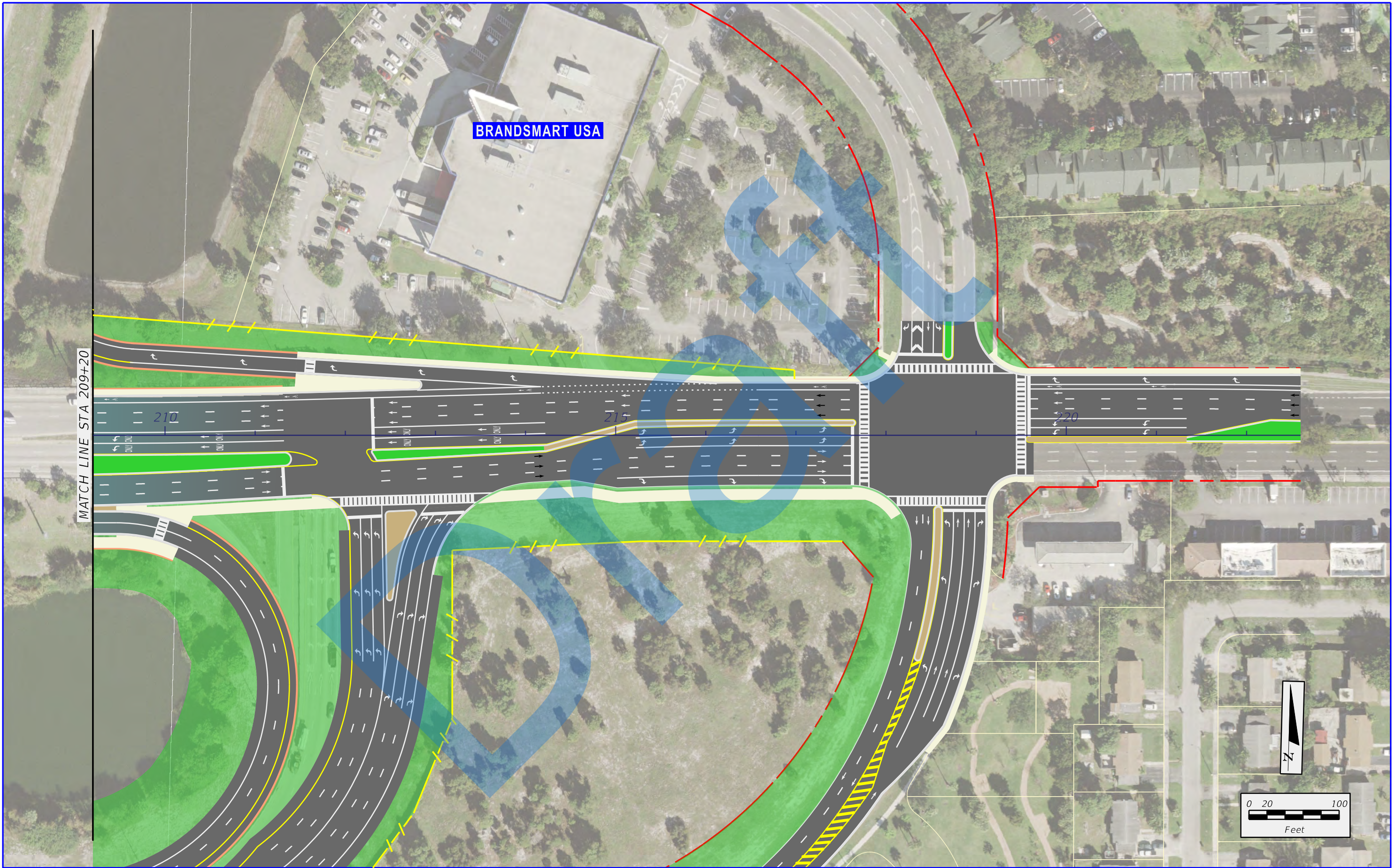
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	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITH POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET
NO.

C-13

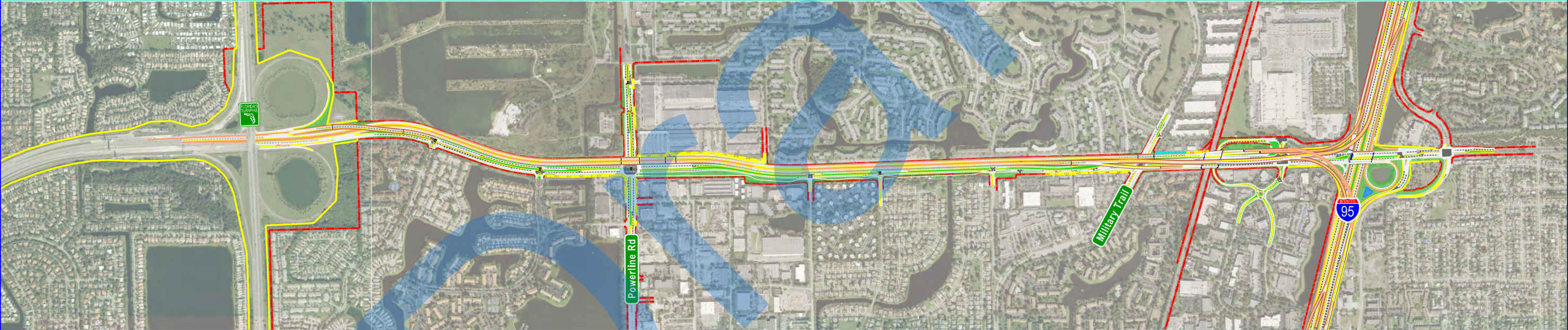
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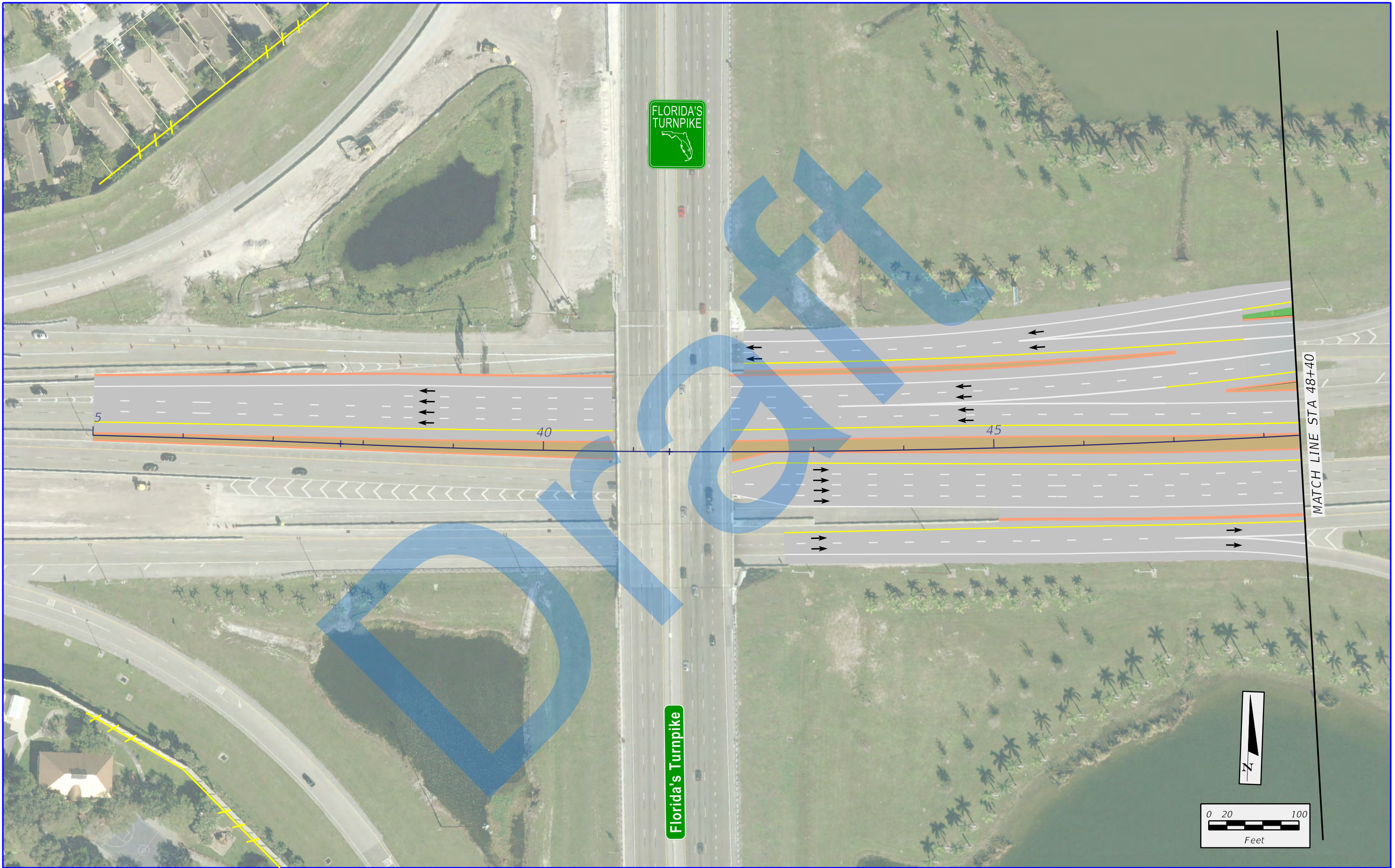
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WITHOUT POWERLINE ROAD RAMPS ALTERNATIVE

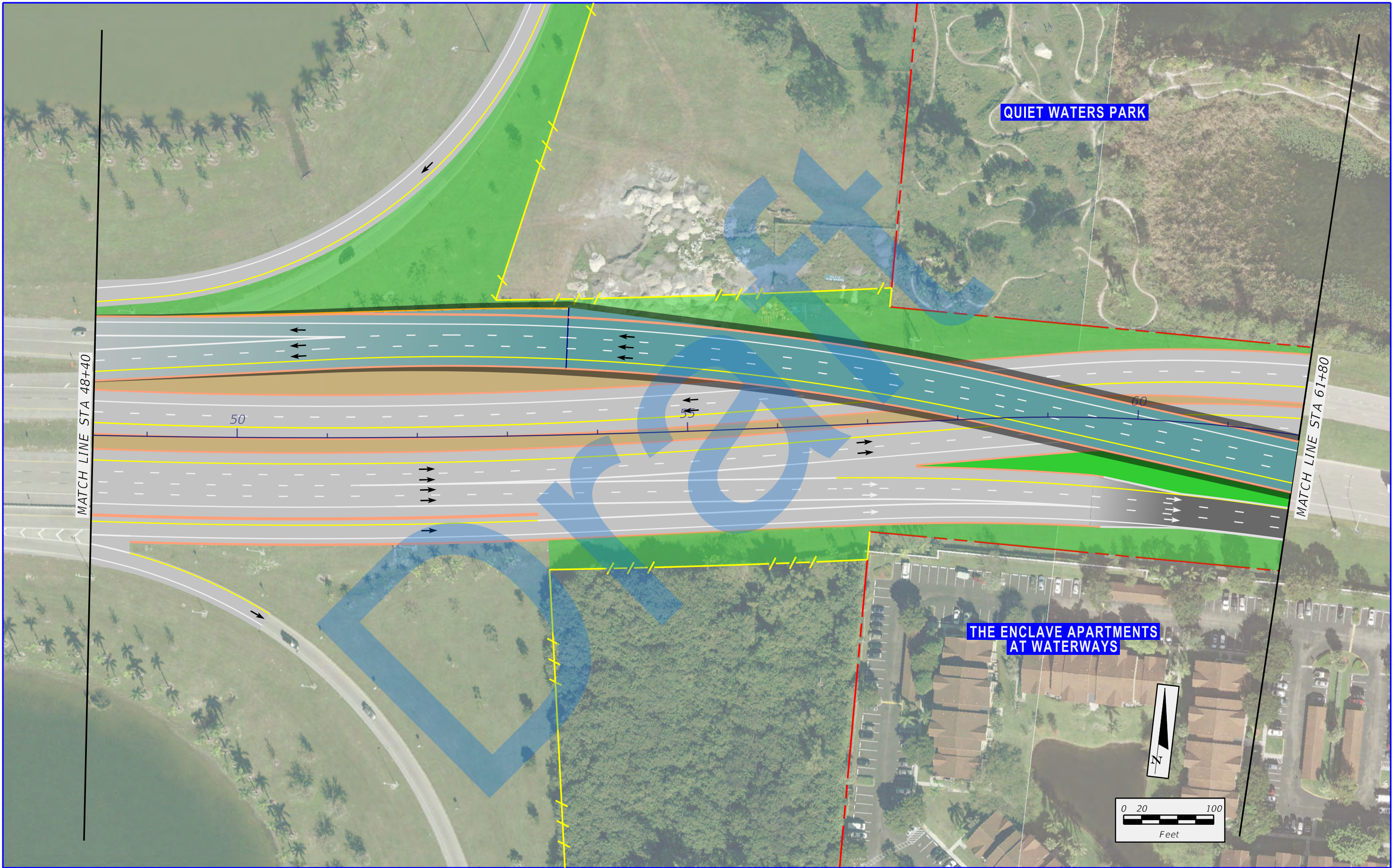


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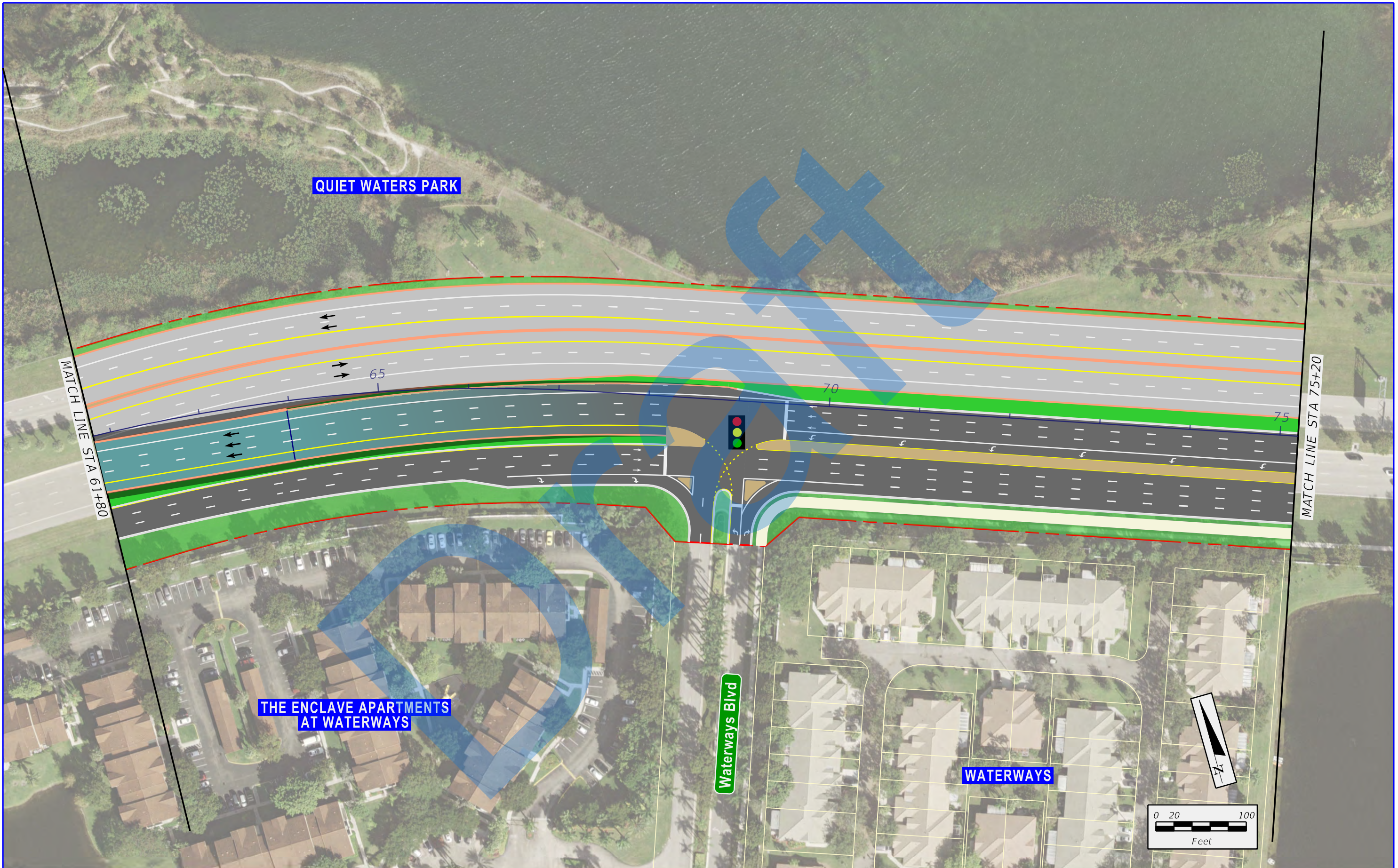


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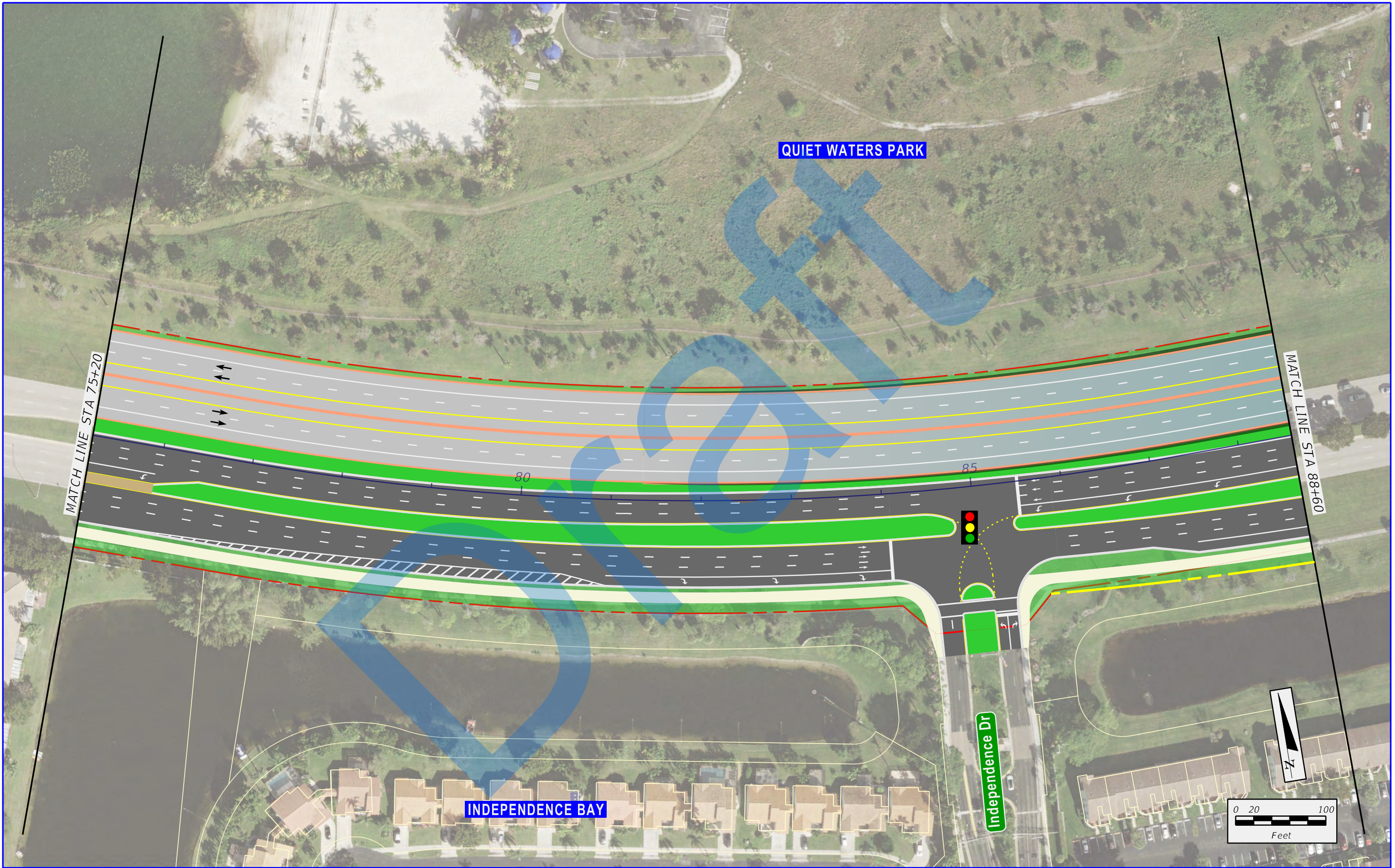


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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
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SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

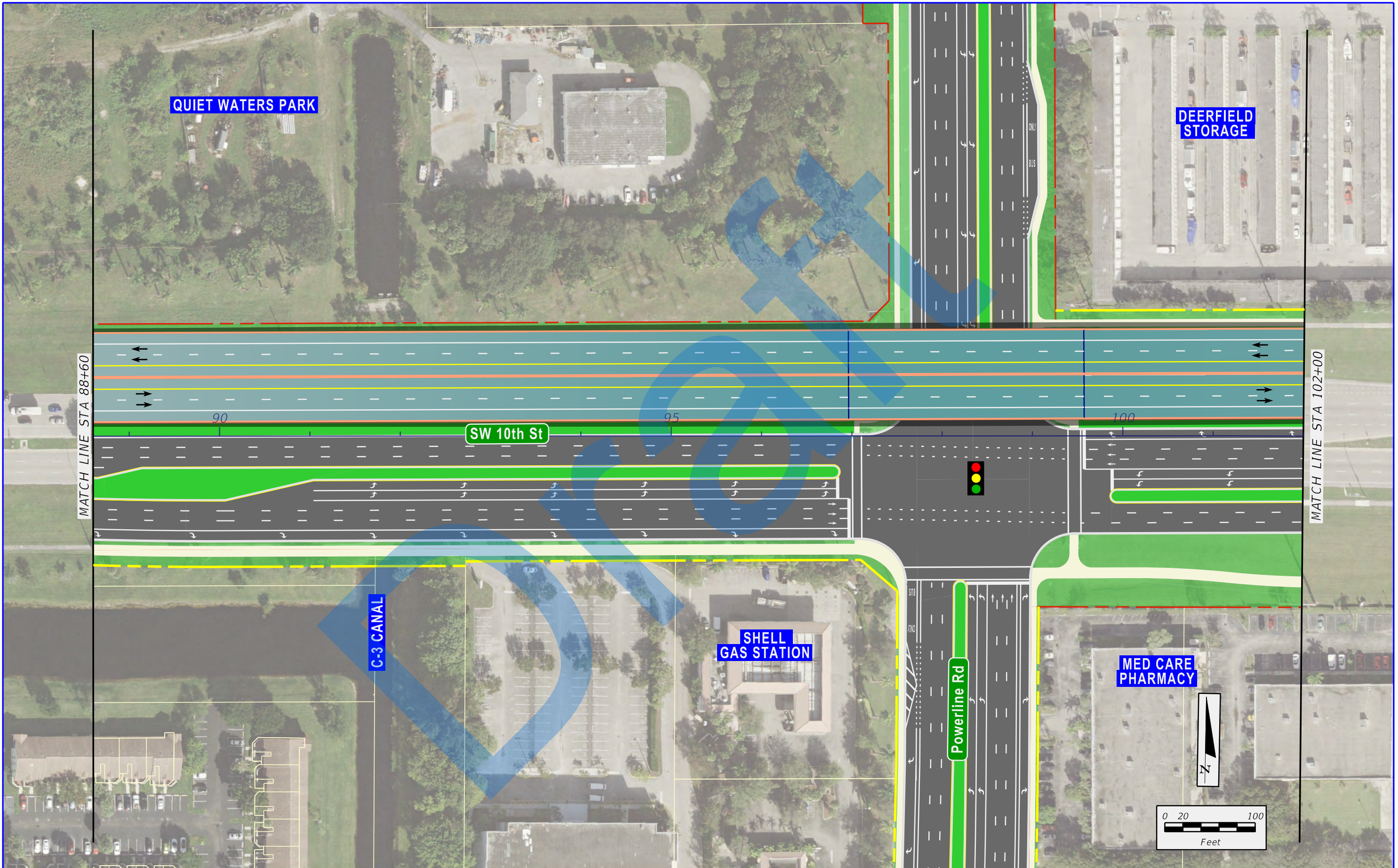
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET NO.
C-18

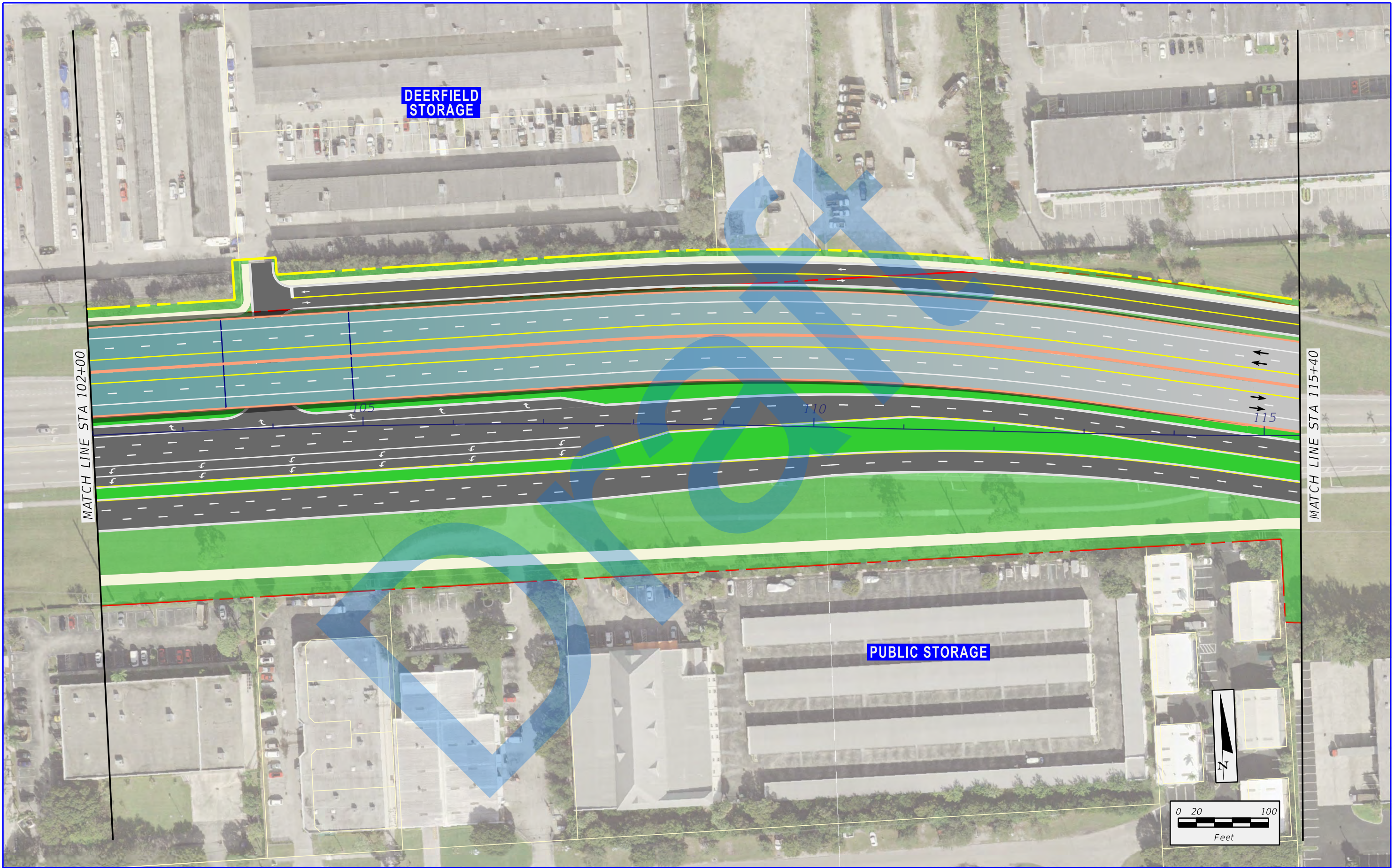


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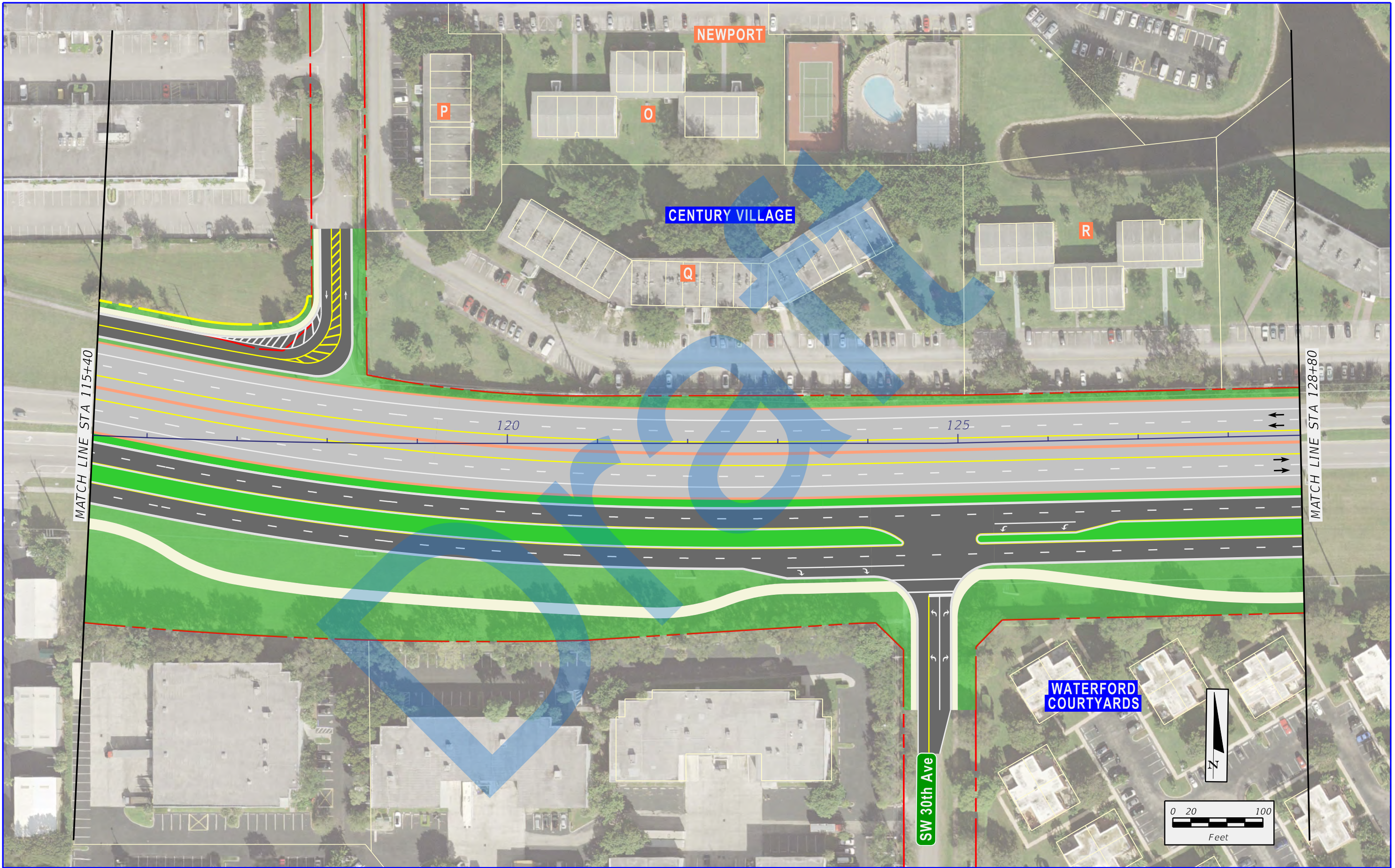
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL		

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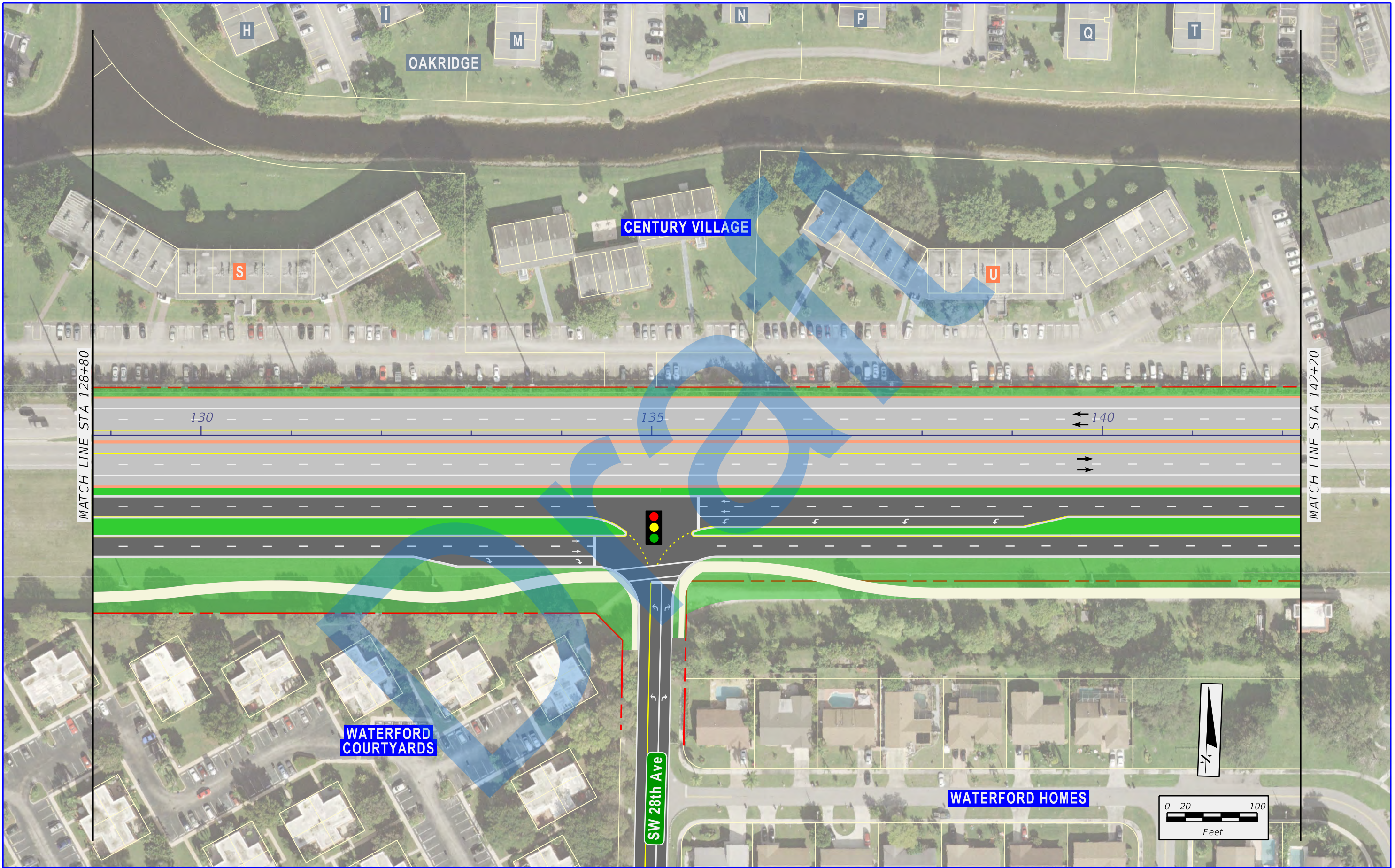
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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL	APPENDIX C WITHOUT POWERLINE ROAD RAMPS ALTERNATIVE

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SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

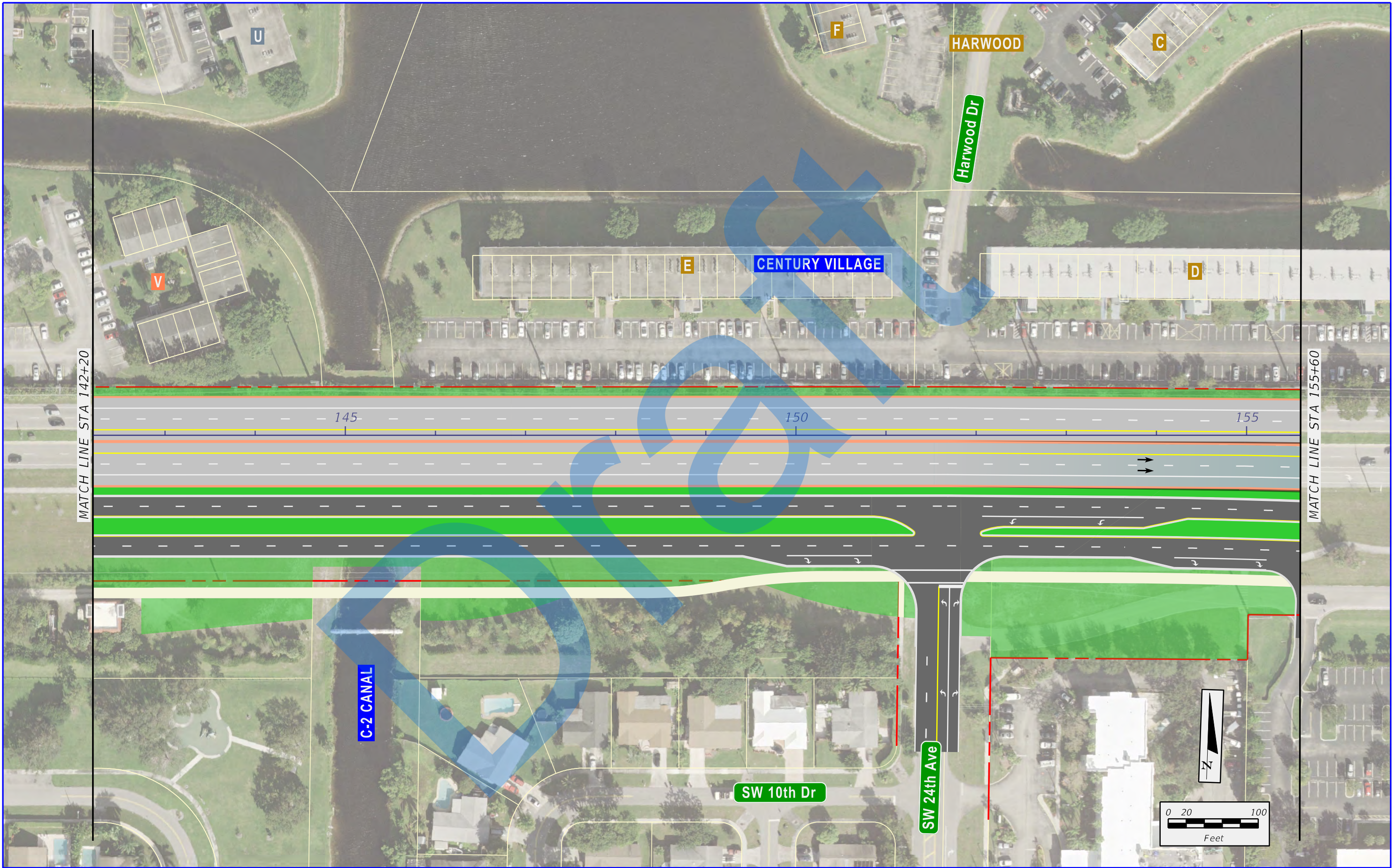
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	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE
			PROPOSED 4TH LEVEL BRIDGE
			TEMPORARY EASEMENT
			PROPOSED SIDEWALK
			PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET
NO.

C-22

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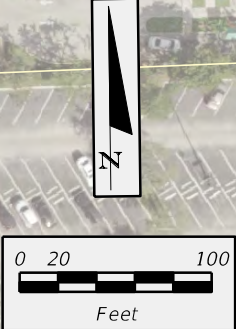
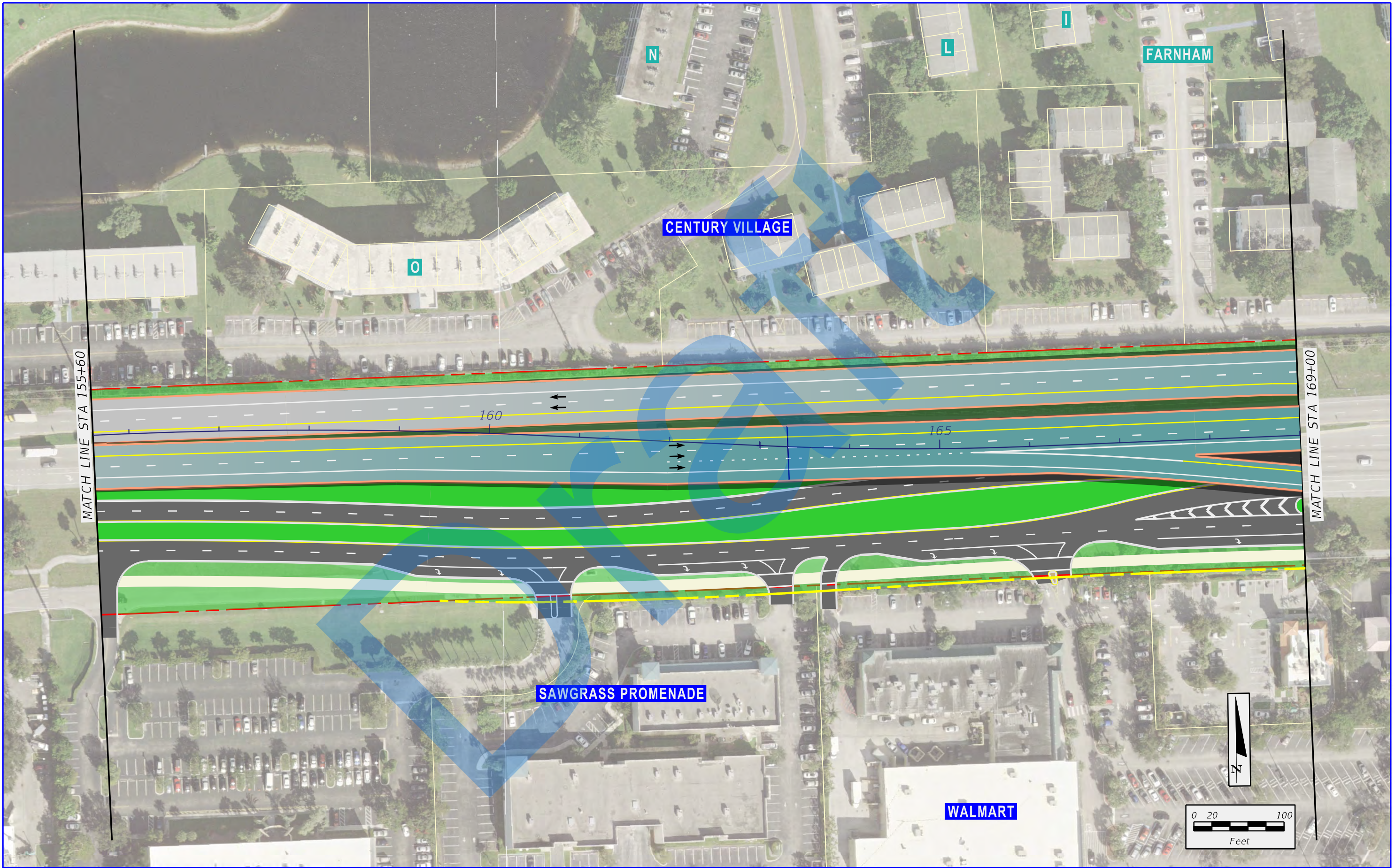
SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND					
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET NO.
C-23

9/15/2020 9:28:19 AM X:\P\439891\3202_SW 10th Street\emo 4 - Reports - Engineering\PER\Appendix C - Tier 3 Alternatives\Alternative 460\planem0.dgn donchiem





SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95

Financial Project ID: 439891-1-22-02, ETDM No: 14291

 EXISTING RIGHT-OF-WAY	 PROPOSED MANAGED LANES	 PROPOSED 4TH LEVEL BRIDGE
 EXISTING PARCEL LINES	 PROPOSED LOCAL SW 10TH ST	 TEMPORARY EASEMENT
 LIMITED ACCESS RIGHT-OF-WAY	 PROPOSED 2ND LEVEL BRIDGE	 PROPOSED SIDEWALK
 PROPOSED RIGHT-OF-WAY	 PROPOSED 3RD LEVEL BRIDGE	 PROPOSED TRAFFIC SIGNAL

APPENDIX C

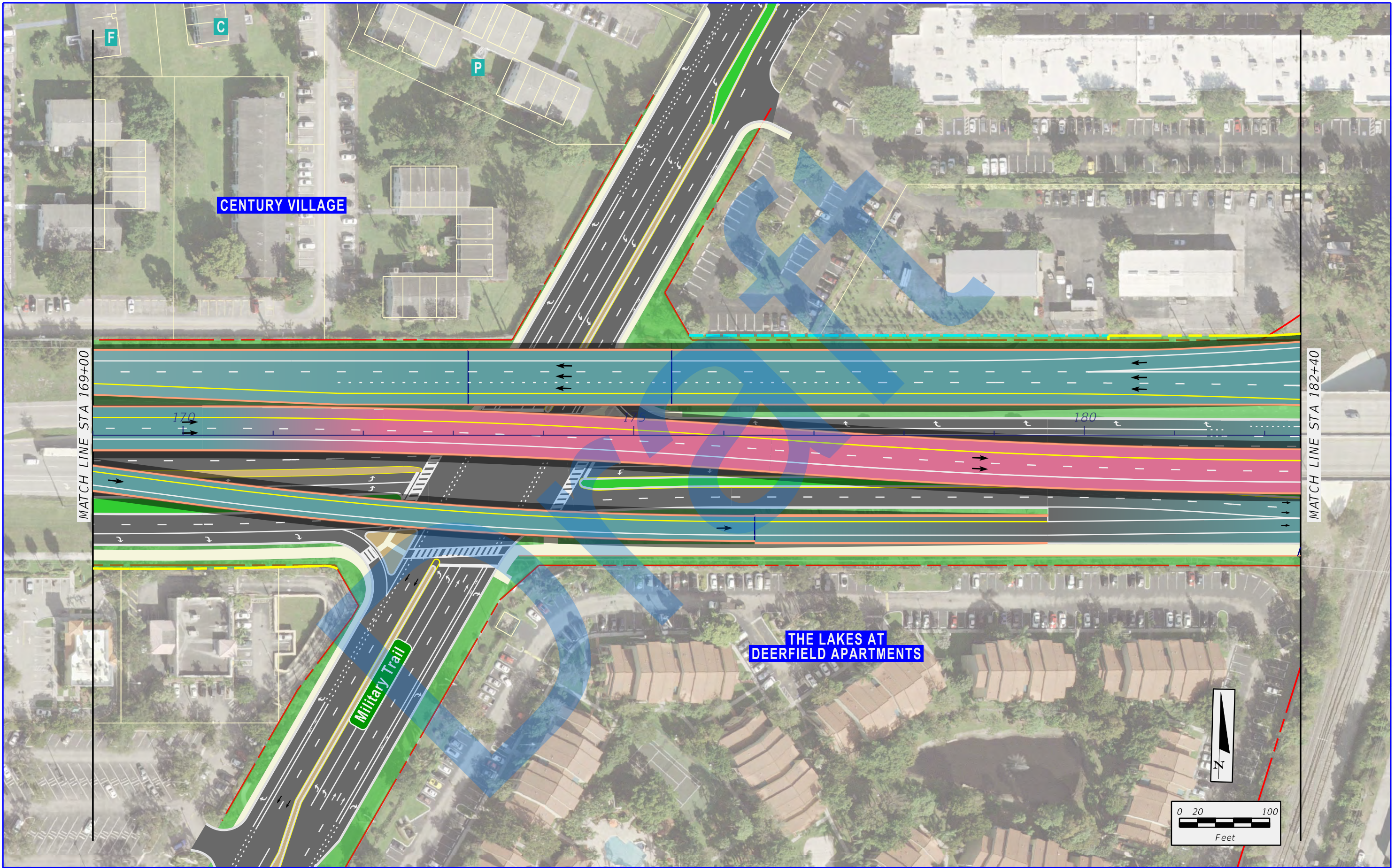
WITHOUT POWERLINE ROAD

RAMPS ALTERNATIVE

SHEET NO.

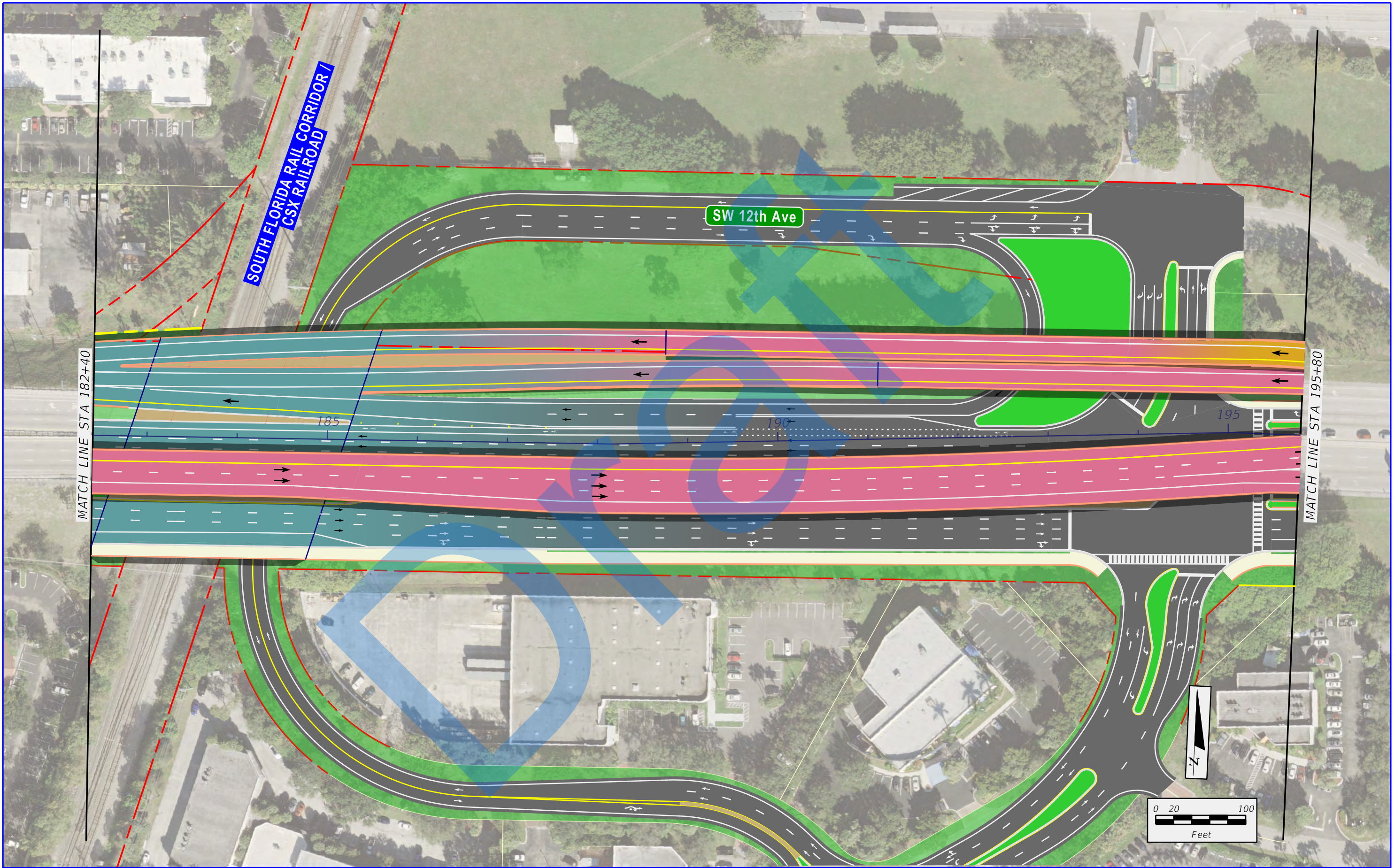
C-24

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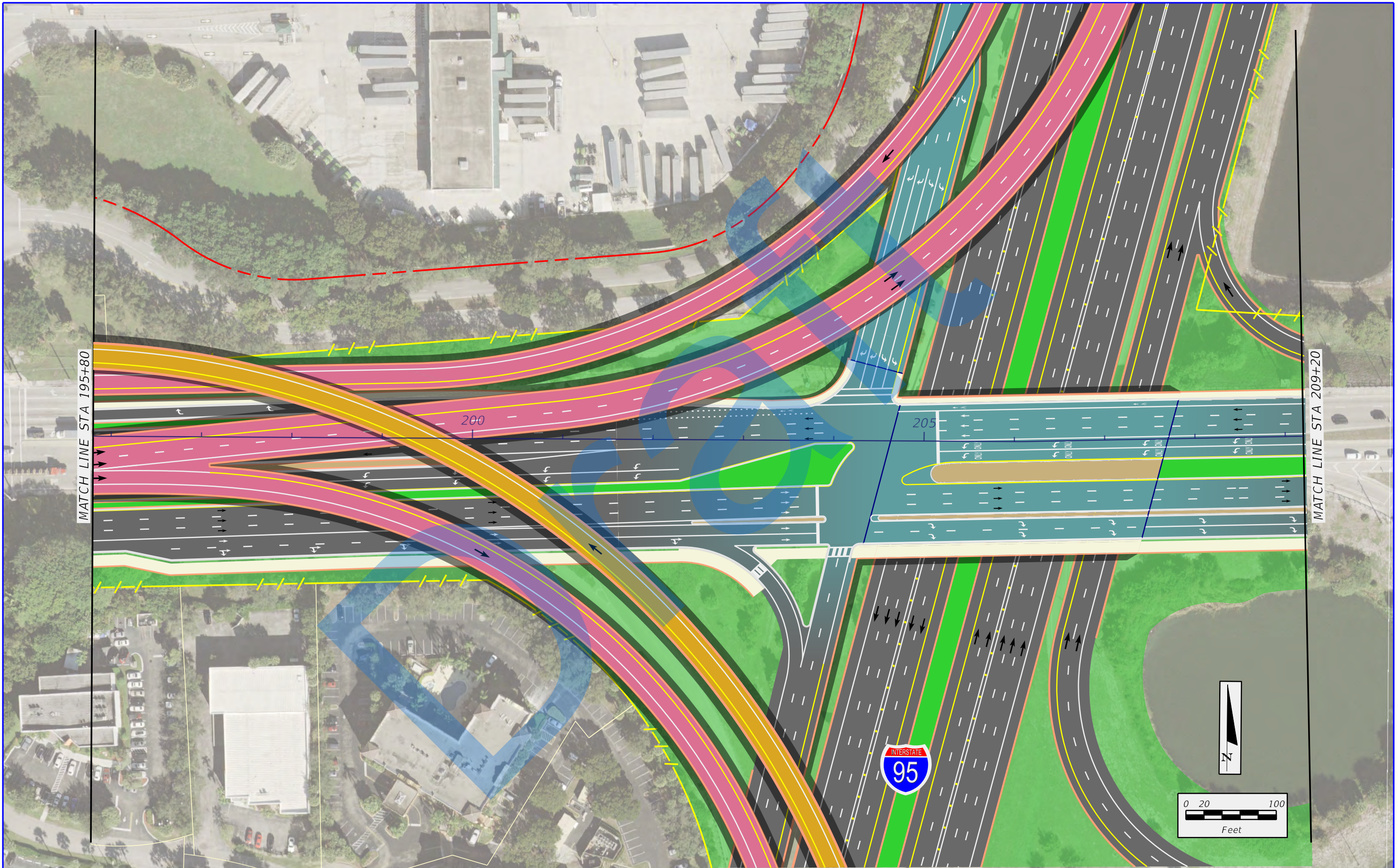
	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	<div><div>---</div>EXISTING RIGHT-OF-WAY</div> <div><div>---</div>EXISTING PARCEL LINES</div> <div><div>---</div>LIMITED ACCESS RIGHT-OF-WAY</div> <div><div>---</div>PROPOSED RIGHT-OF-WAY</div>	LEGEND		
			<div><div>---</div>PROPOSED MANAGED LANES</div> <div><div>---</div>PROPOSED LOCAL SW 10TH ST</div> <div><div>---</div>PROPOSED 2ND LEVEL BRIDGE</div> <div><div>---</div>PROPOSED 3RD LEVEL BRIDGE</div>	<div><div>---</div>PROPOSED 4TH LEVEL BRIDGE</div> <div><div>---</div>TEMPORARY EASEMENT</div> <div><div>---</div>PROPOSED SIDEWALK</div> <div><div>---</div>PROPOSED TRAFFIC SIGNAL</div>	

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 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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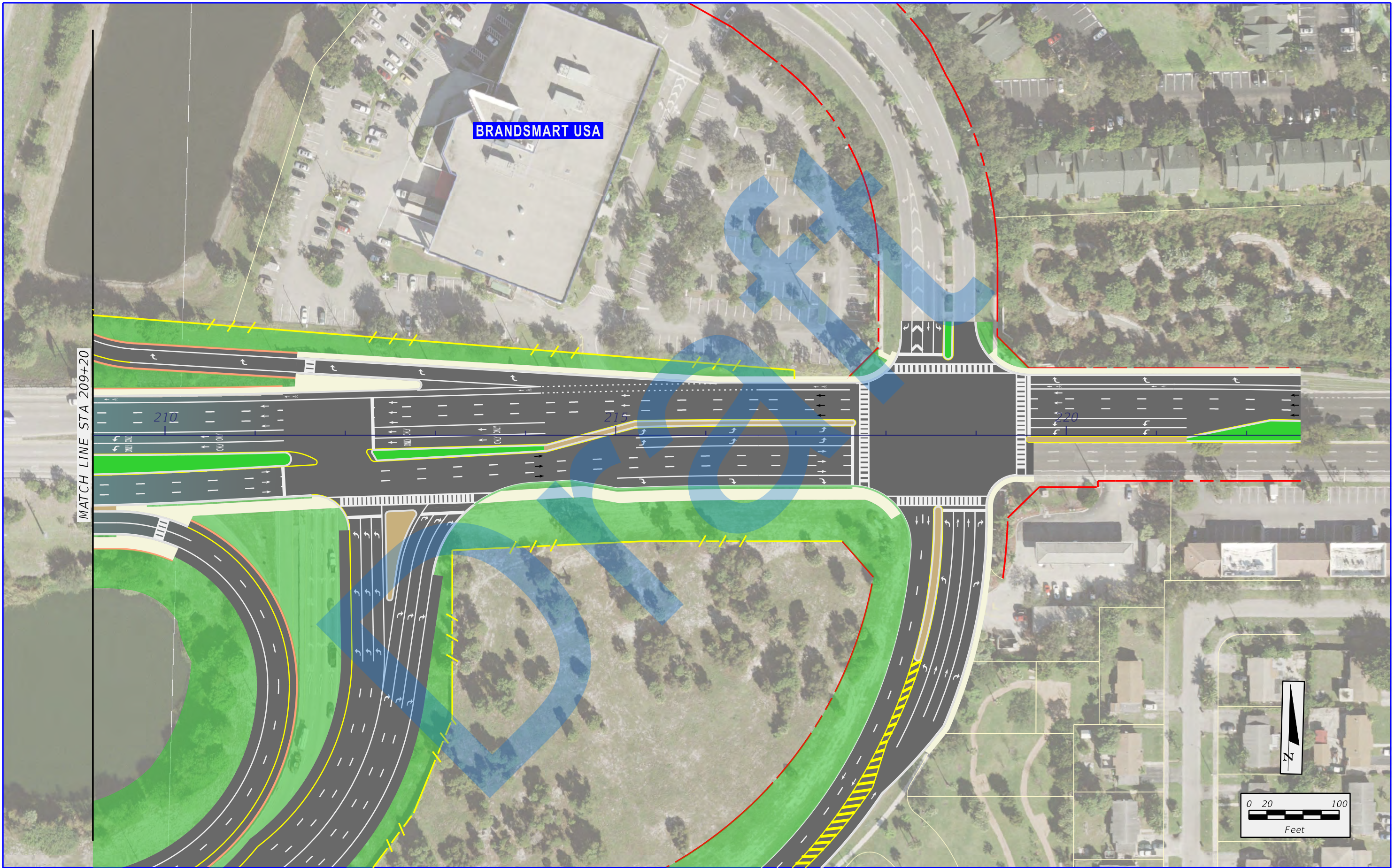
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

LEGEND					
	EXISTING RIGHT-OF-WAY		PROPOSED MANAGED LANES		PROPOSED 4TH LEVEL BRIDGE
	EXISTING PARCEL LINES		PROPOSED LOCAL SW 10TH ST		TEMPORARY EASEMENT
	LIMITED ACCESS RIGHT-OF-WAY		PROPOSED 2ND LEVEL BRIDGE		PROPOSED SIDEWALK
	PROPOSED RIGHT-OF-WAY		PROPOSED 3RD LEVEL BRIDGE		PROPOSED TRAFFIC SIGNAL

APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS ALTERNATIVE

SHEET NO.
C-27

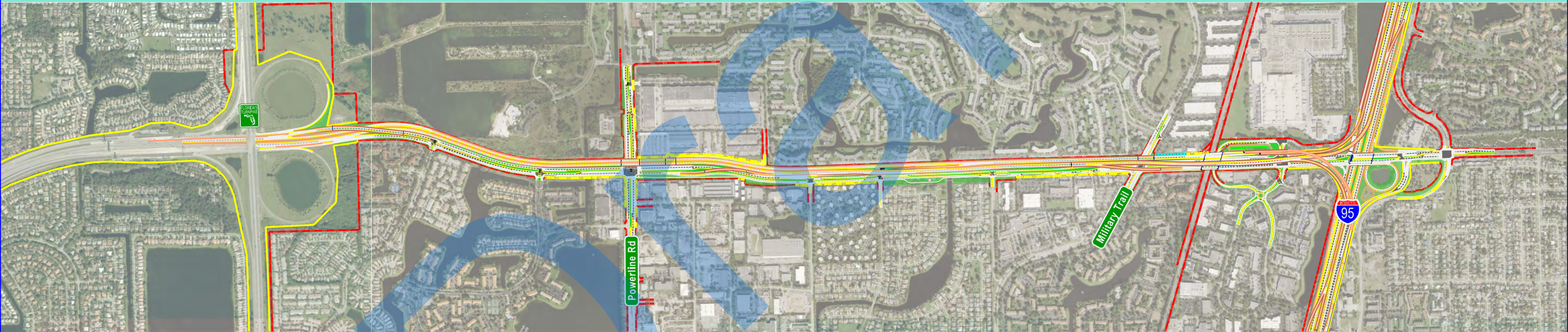
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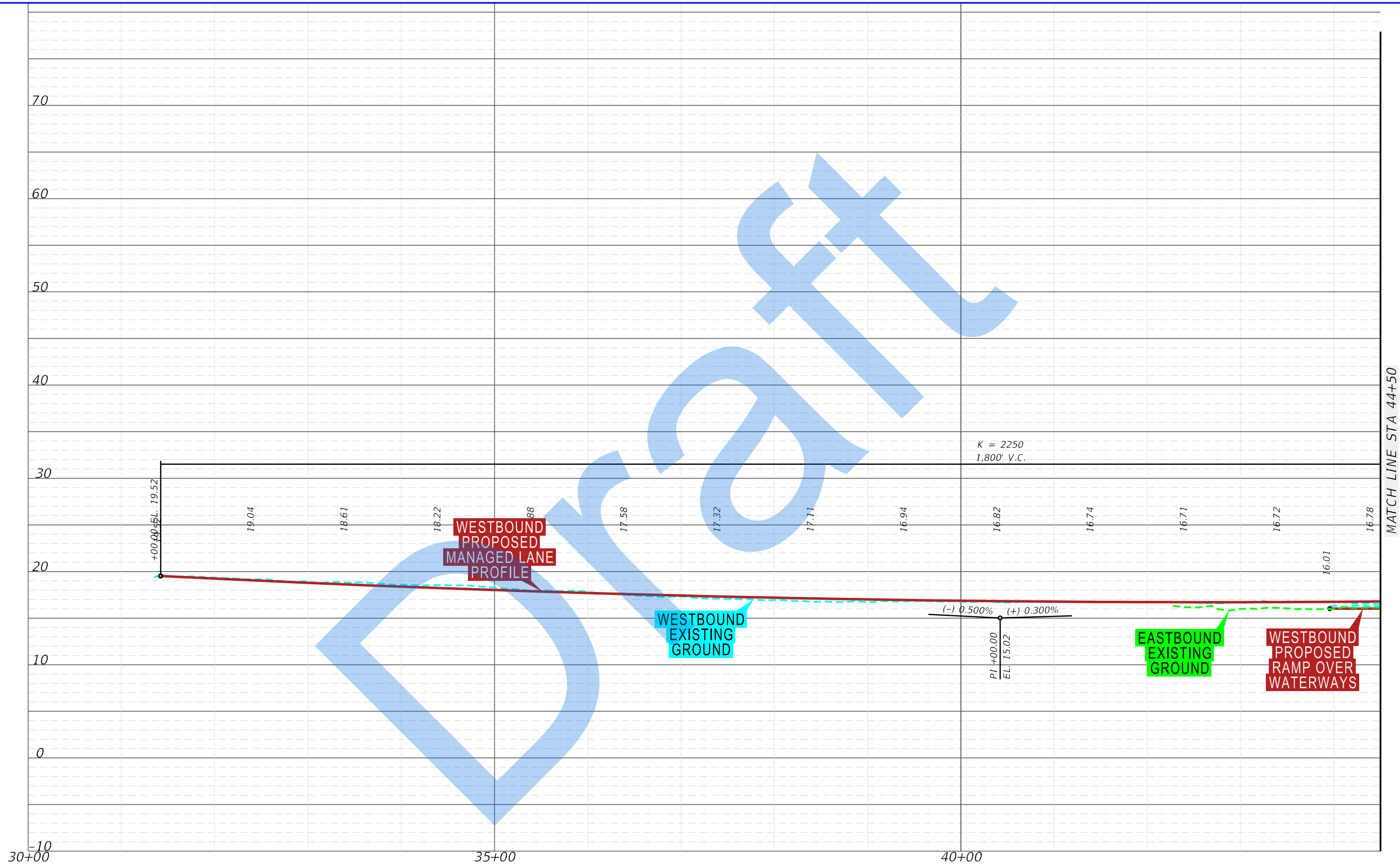
 	SR 869 / SW 10th Street Connector PD&E Study from Florida's Turnpike / Sawgrass Expressway to west of I-95 Financial Project ID: 439891-1-22-02, ETDM No: 14291	LEGEND		
		 EXISTING RIGHT-OF-WAY  EXISTING PARCEL LINES  LIMITED ACCESS RIGHT-OF-WAY  PROPOSED RIGHT-OF-WAY	 PROPOSED MANAGED LANES  PROPOSED LOCAL SW 10TH ST  PROPOSED 2ND LEVEL BRIDGE  PROPOSED 3RD LEVEL BRIDGE	 PROPOSED 4TH LEVEL BRIDGE  TEMPORARY EASEMENT  PROPOSED SIDEWALK  PROPOSED TRAFFIC SIGNAL

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WITH POWERLINE ROAD RAMPS PROFILE SHEETS

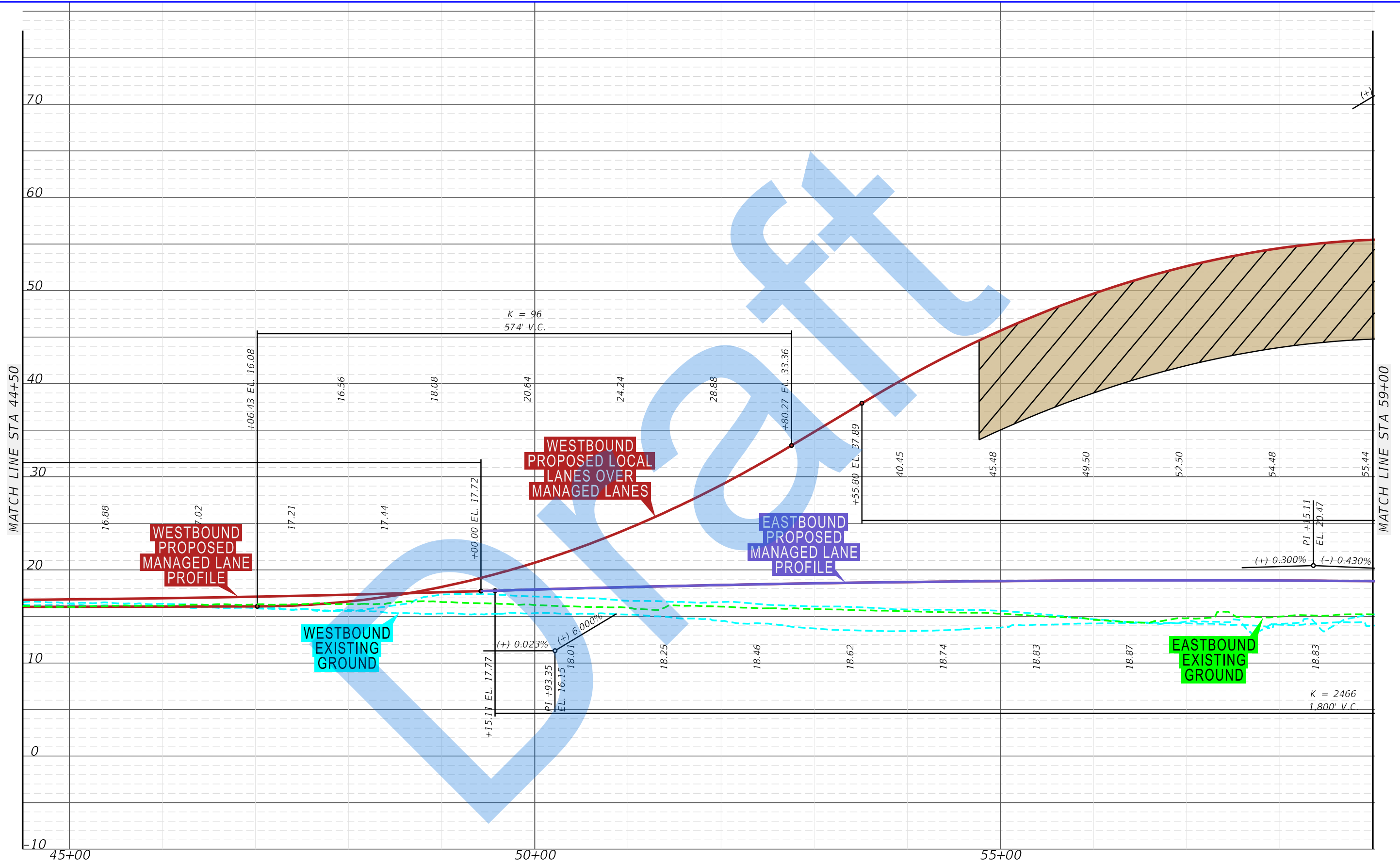


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MATCH LINE STA 44+50

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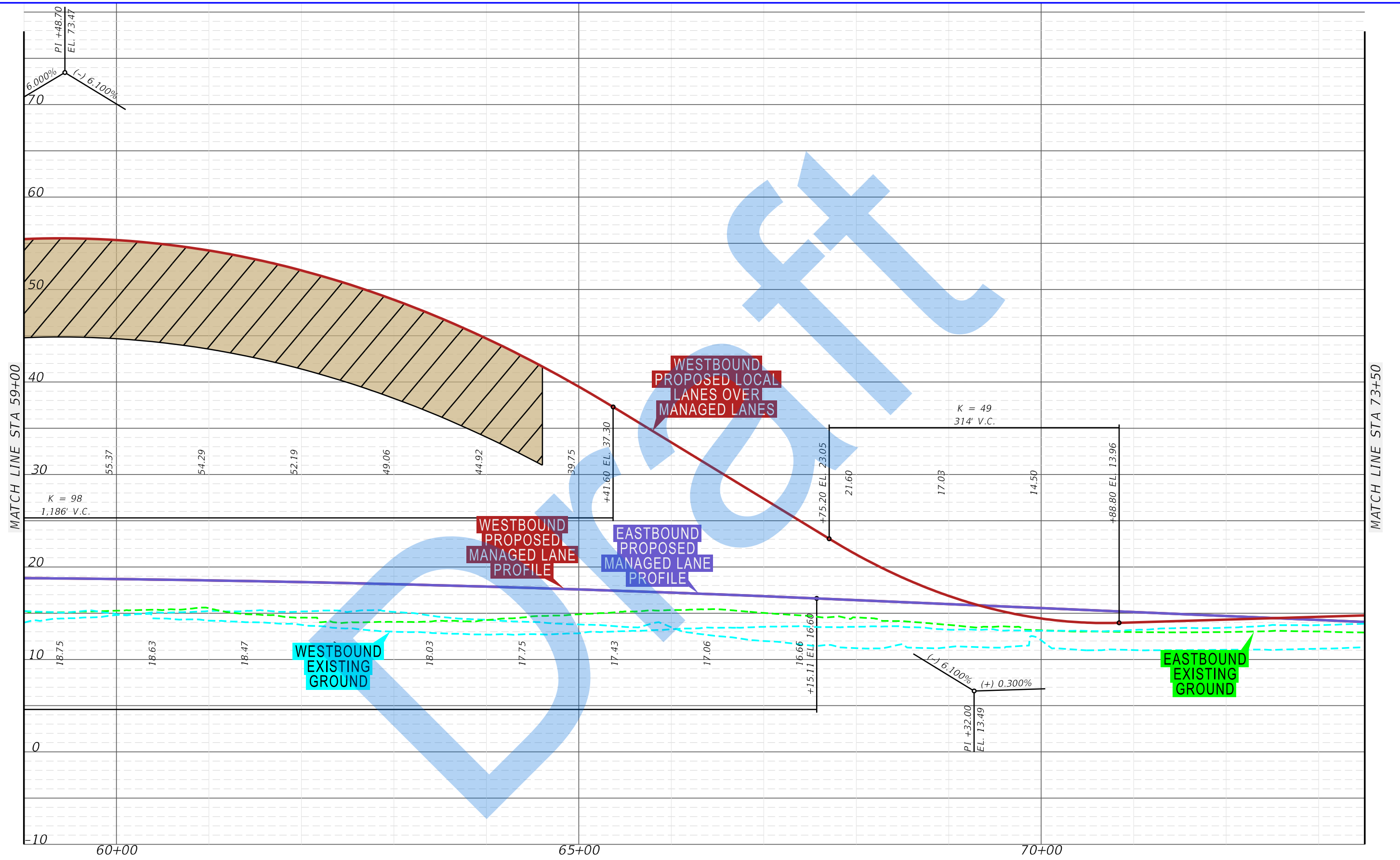
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

APPENDIX C
WITH POWERLINE ROAD
RAMPS PROFILE

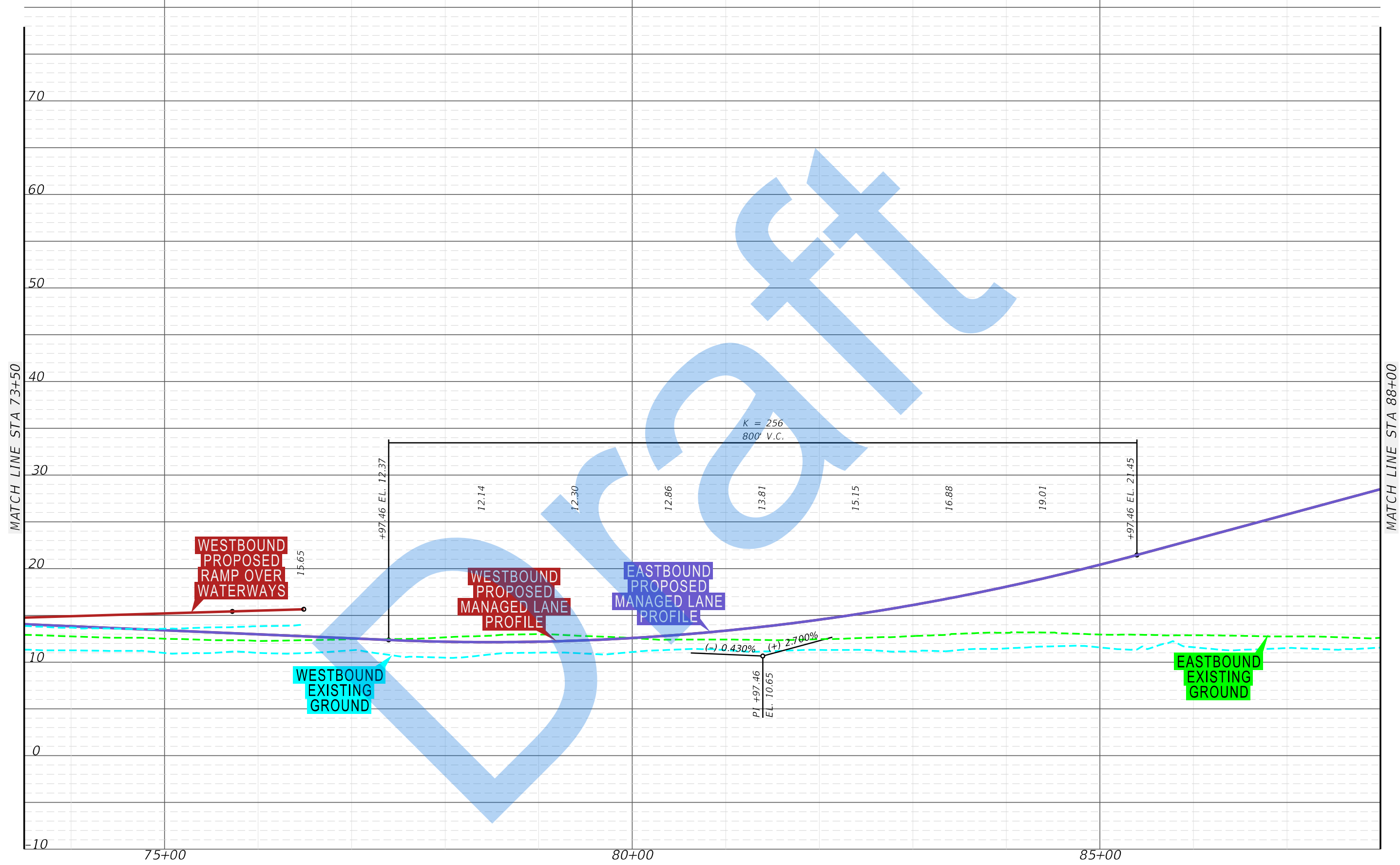
SHEET
NO.

C-30

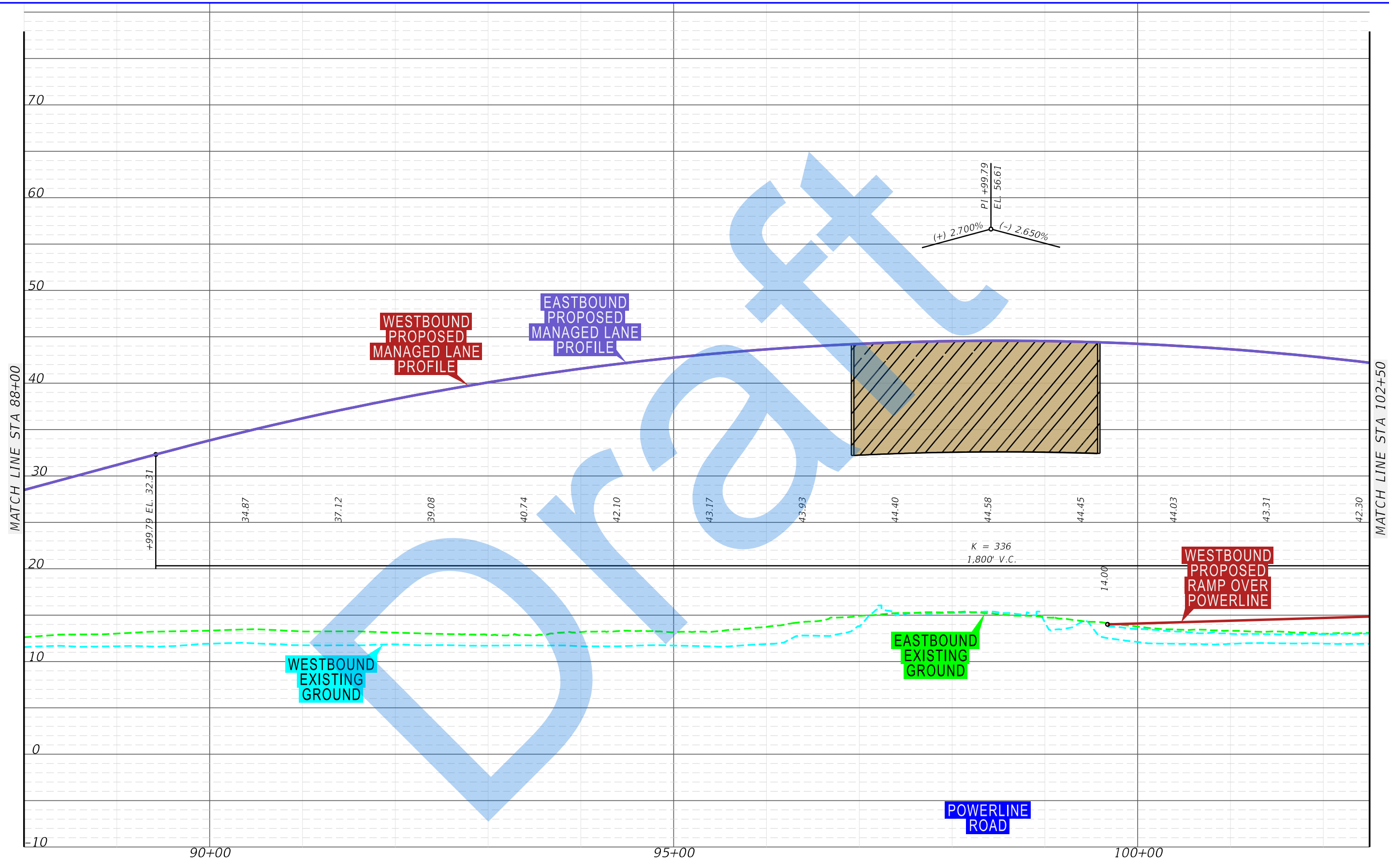
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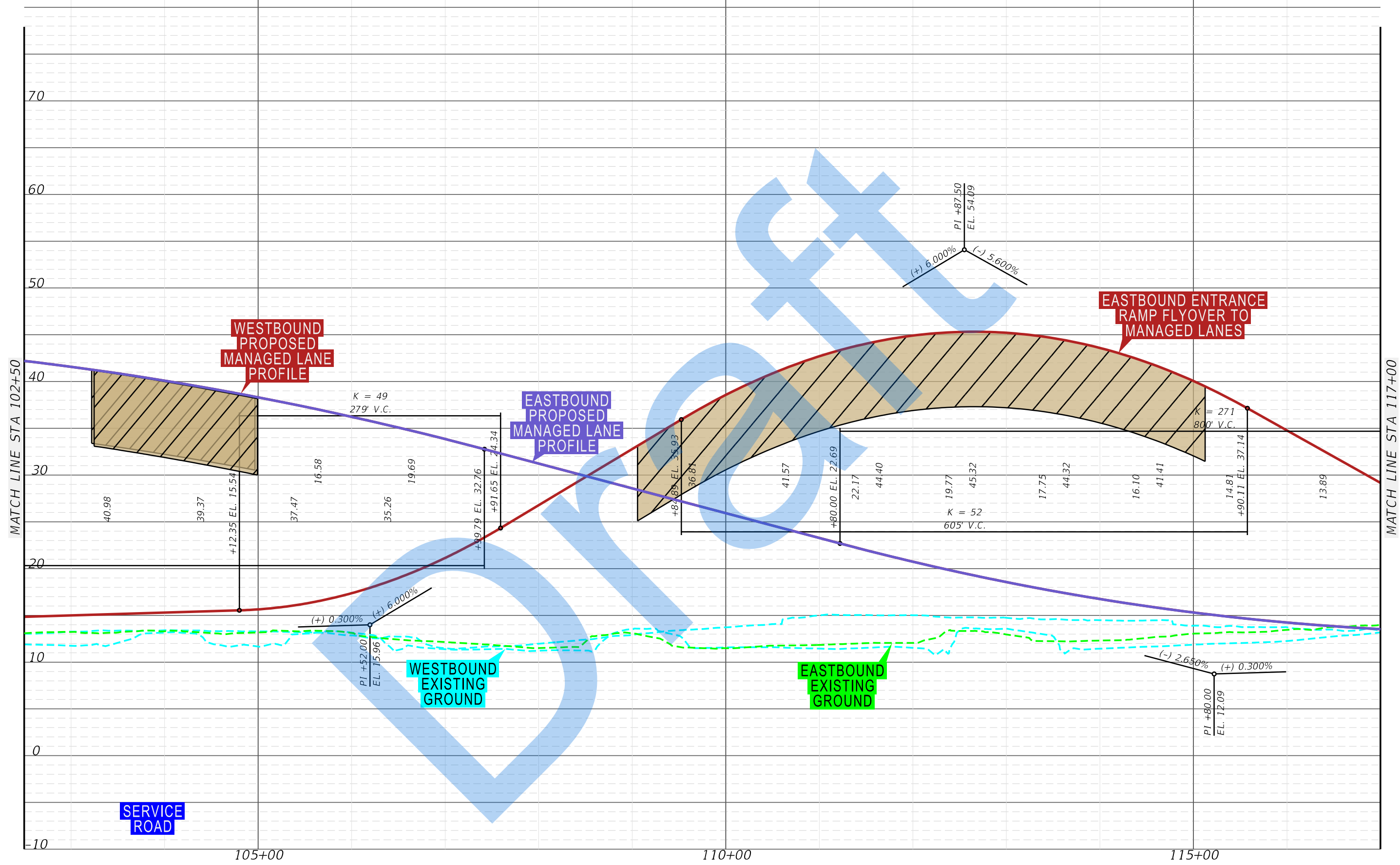
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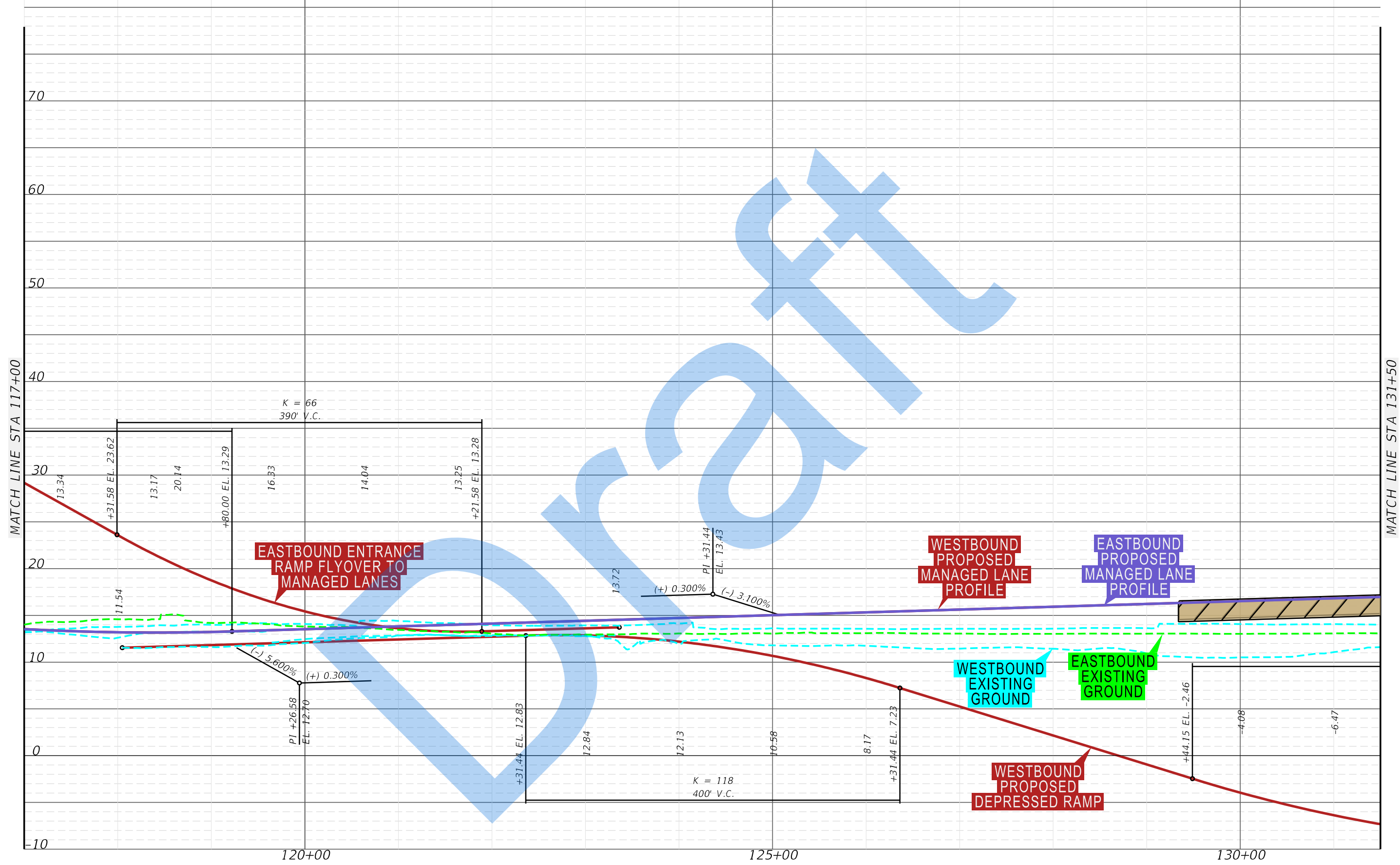
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9/28/2020 9:28:51 AM
9/15/2020
dcmhuem



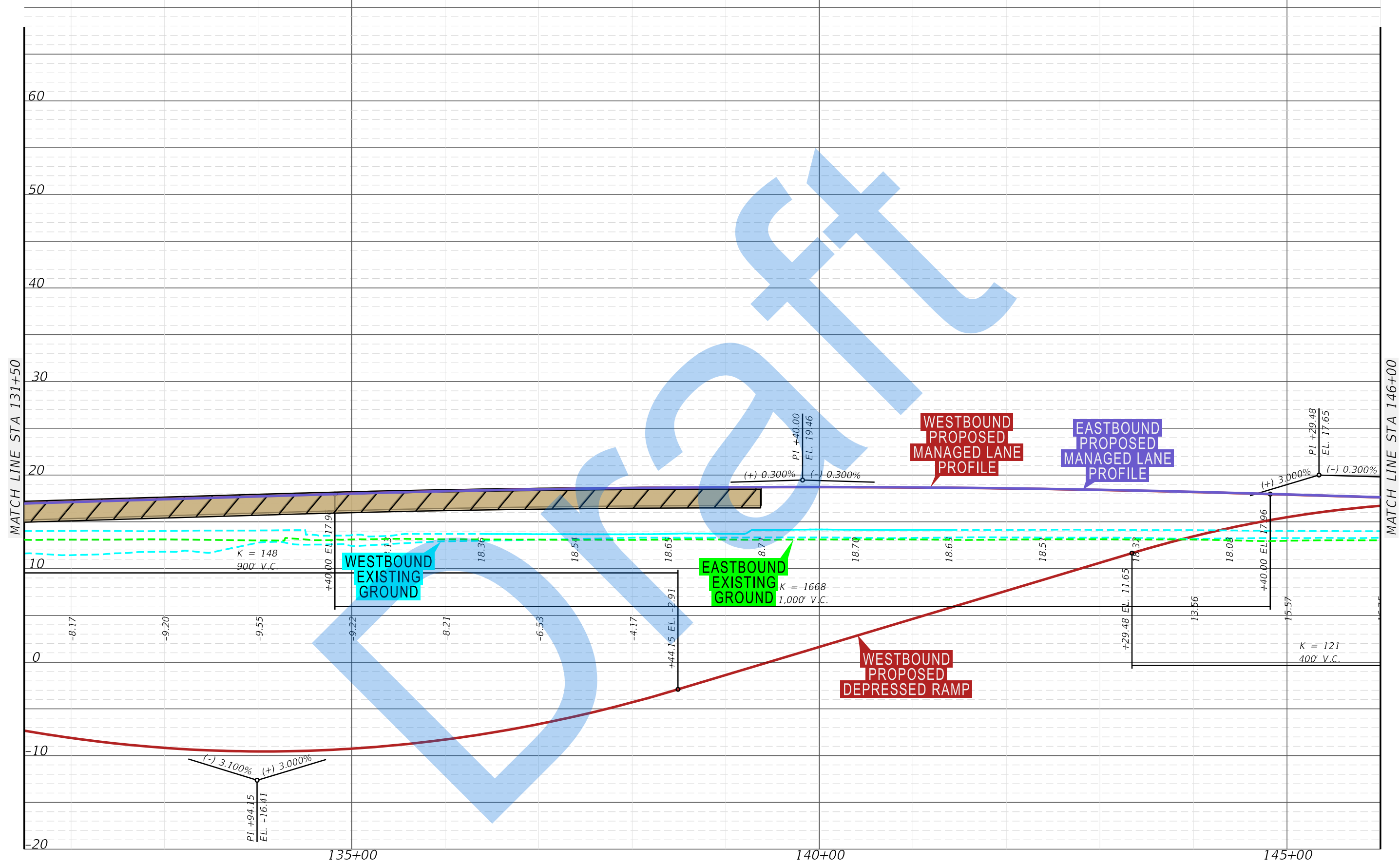
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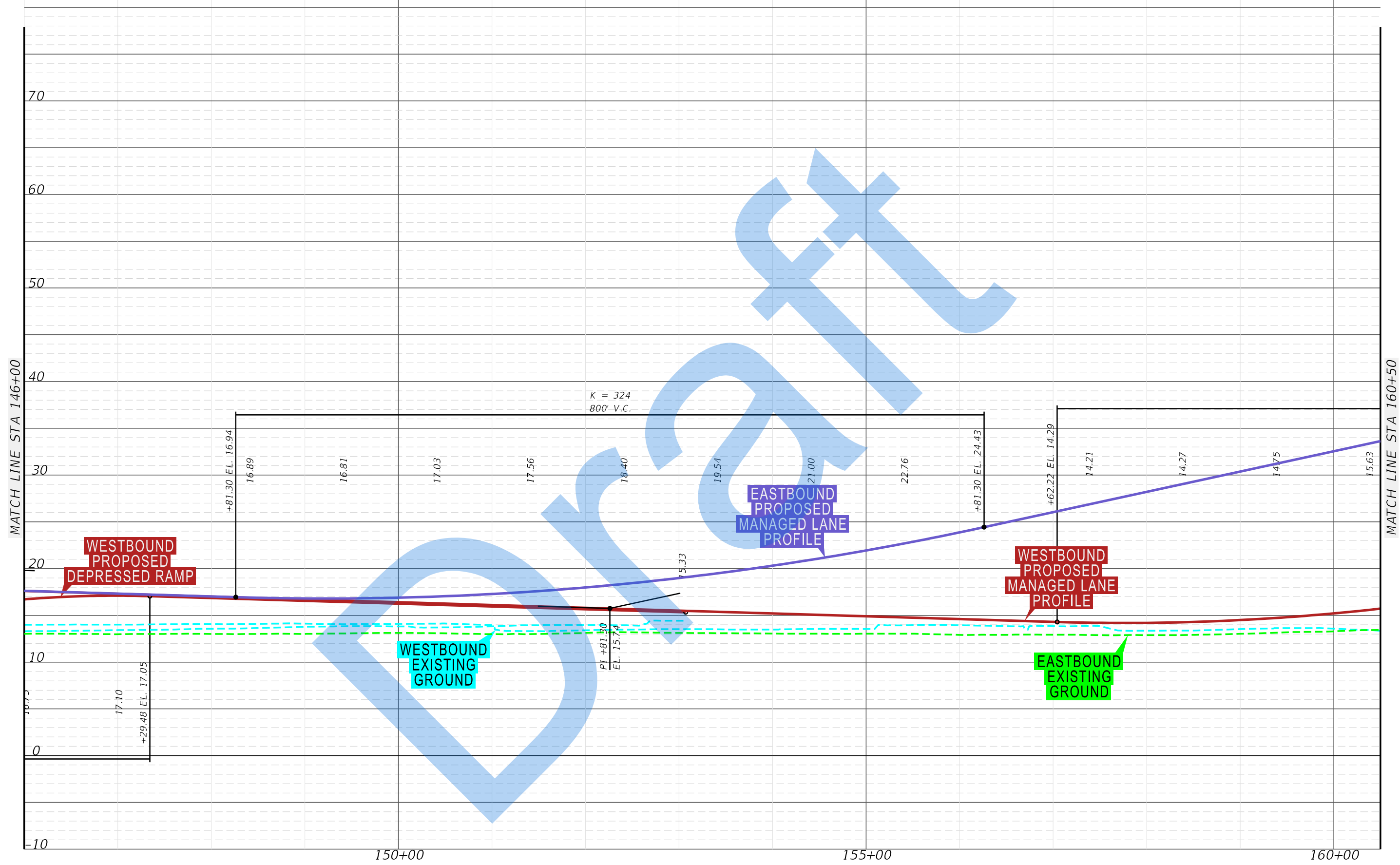
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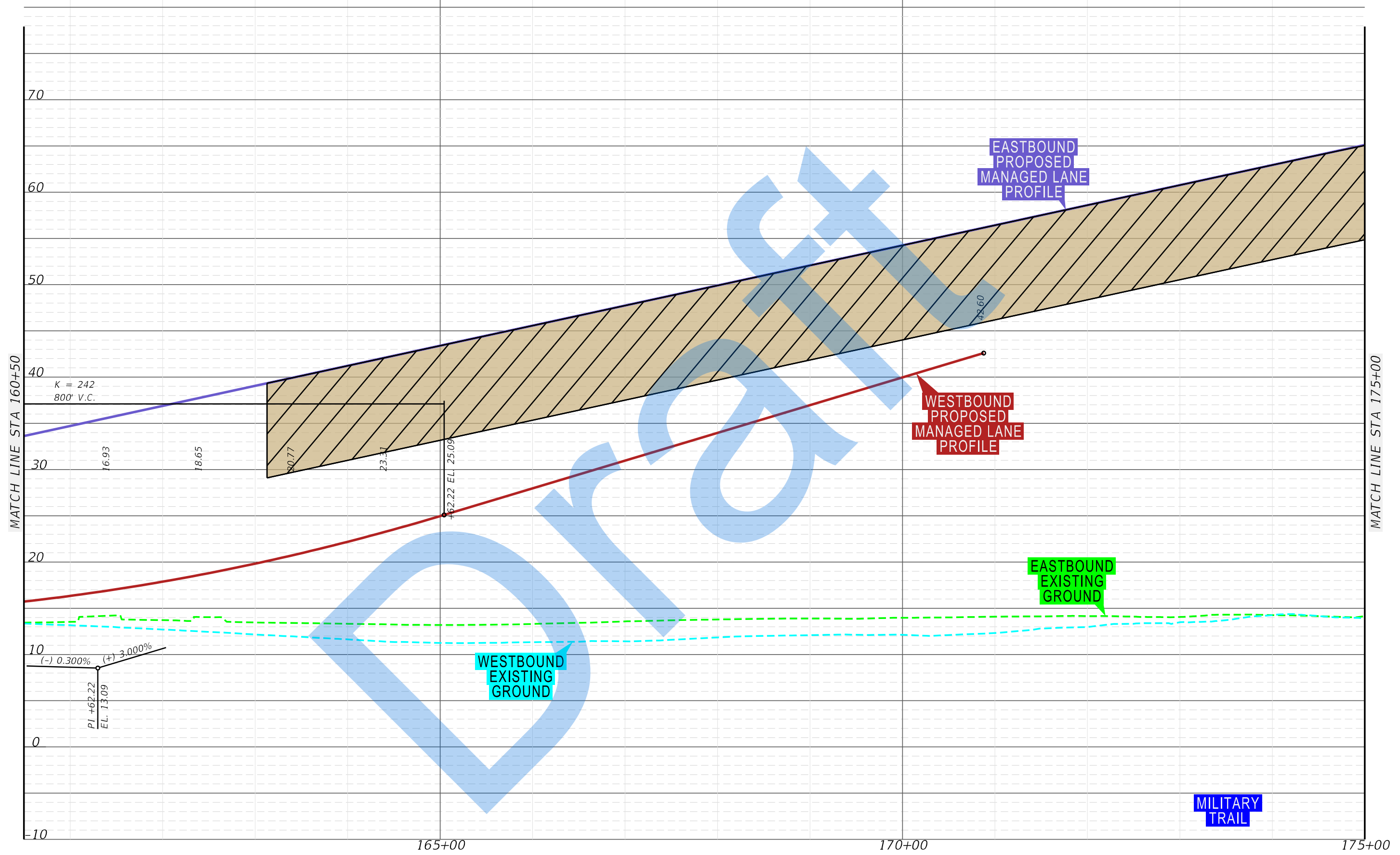
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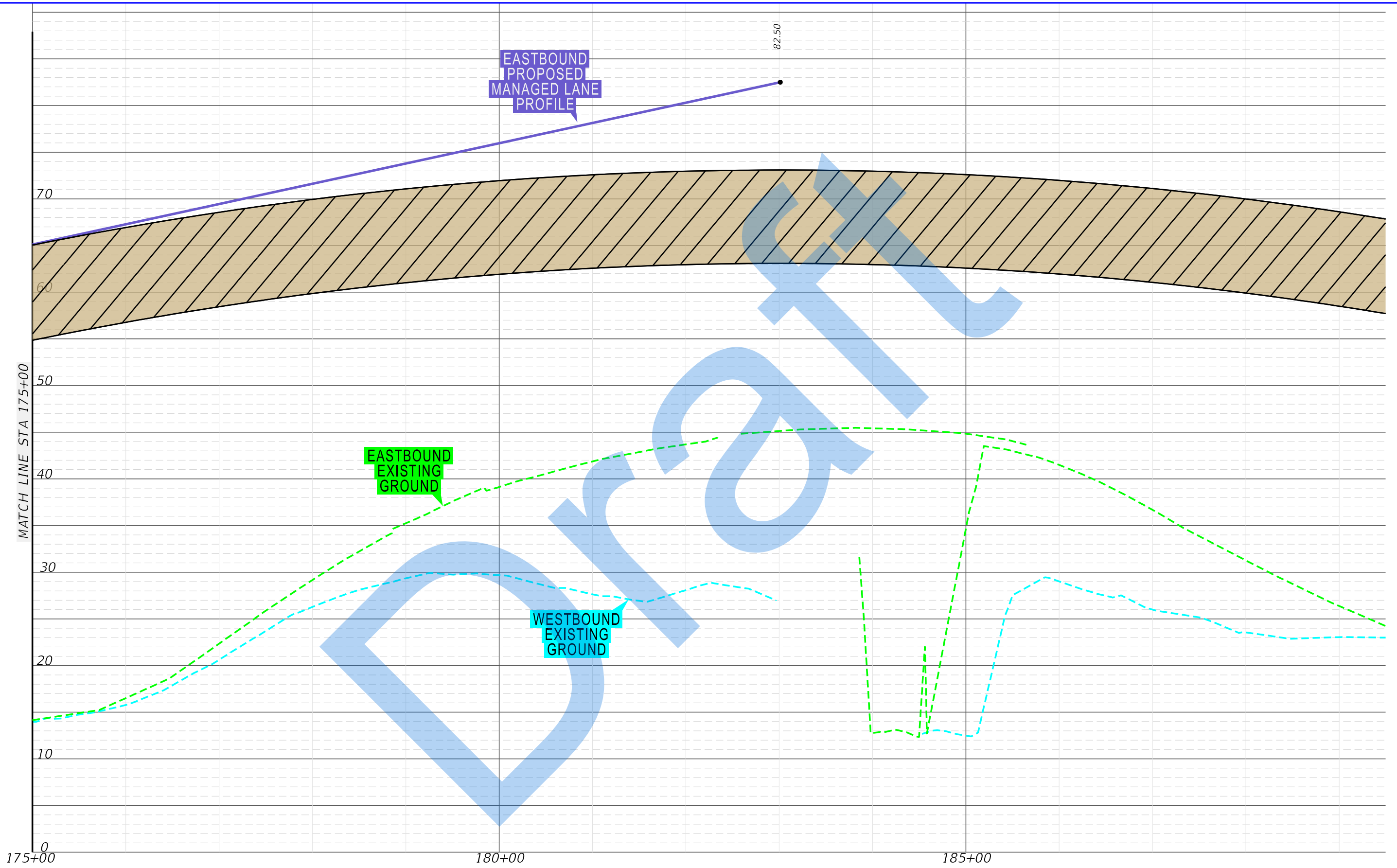
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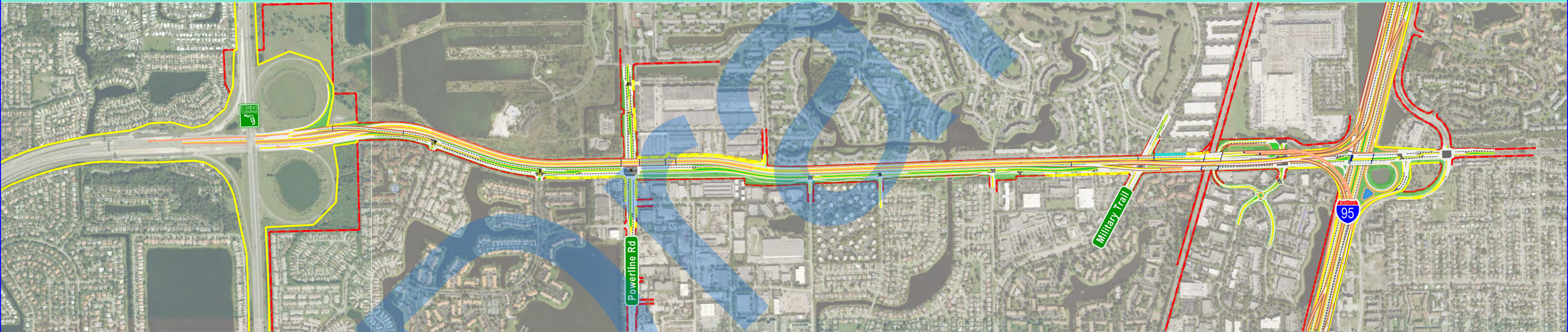


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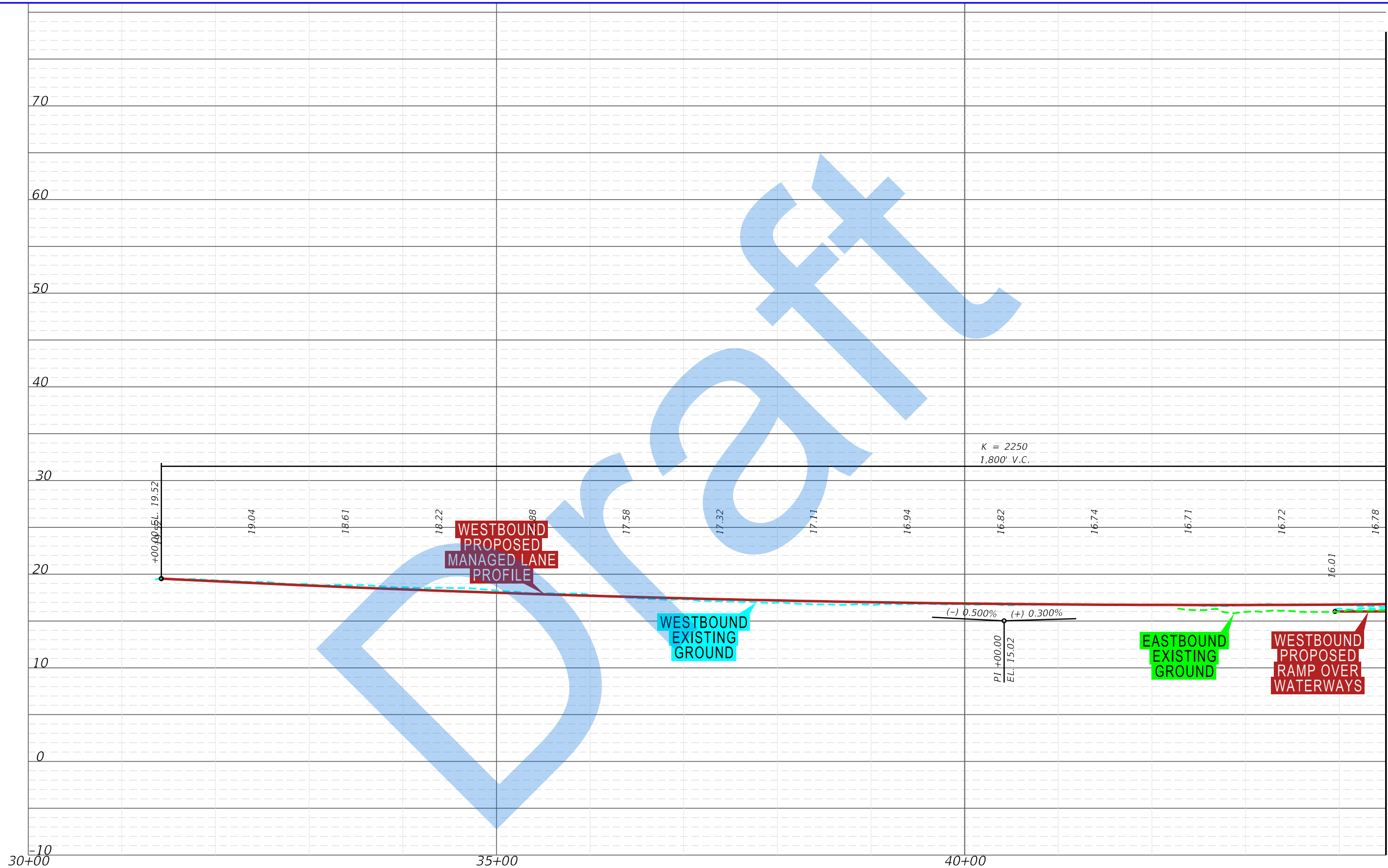


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WITHOUT POWERLINE ROAD RAMPS PROFILE SHEETS



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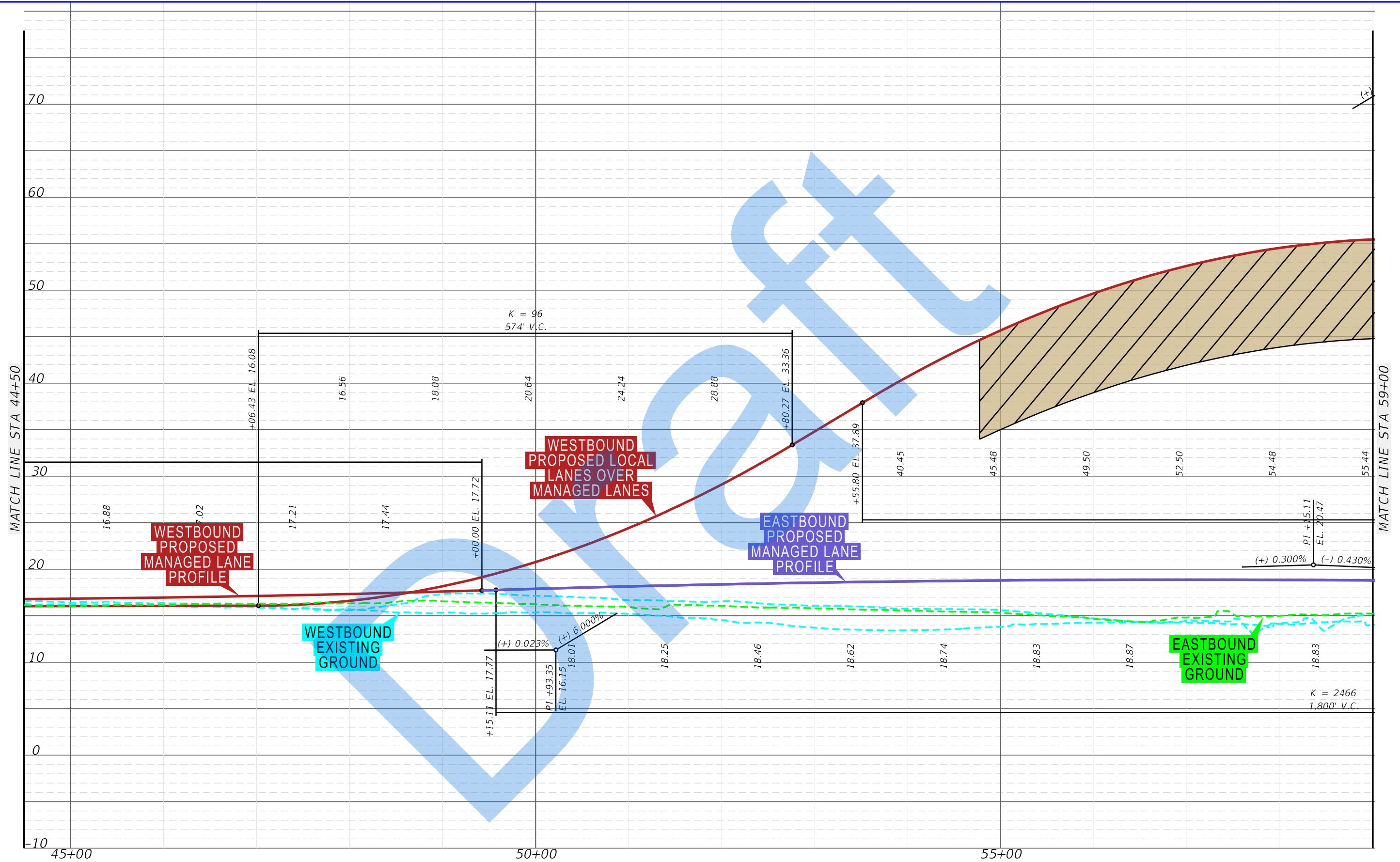
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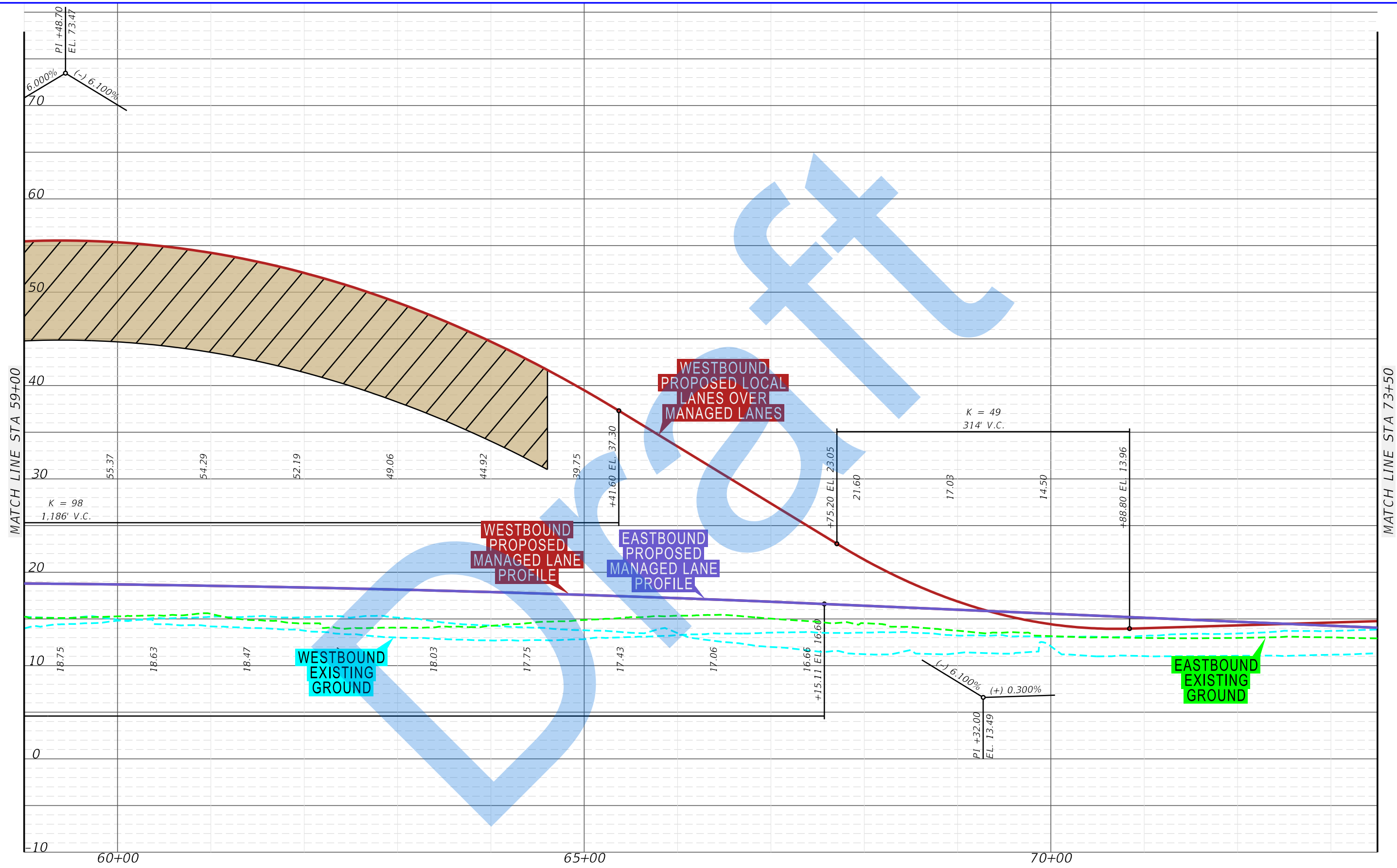
SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS PROFILE

SHEET
NO.
C-40

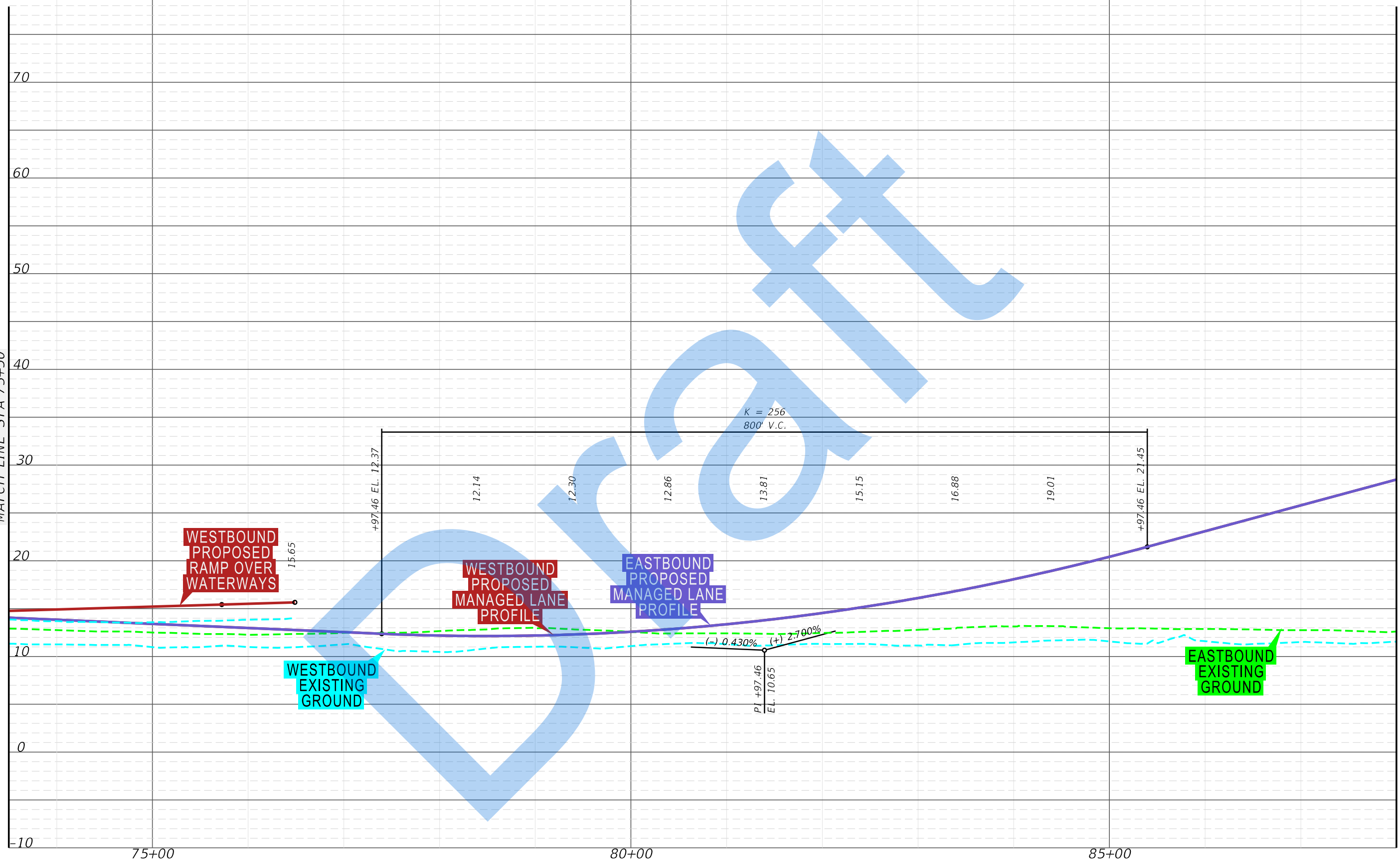


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MATCH LINE STA 73+50



MATCH LINE STA 88+00

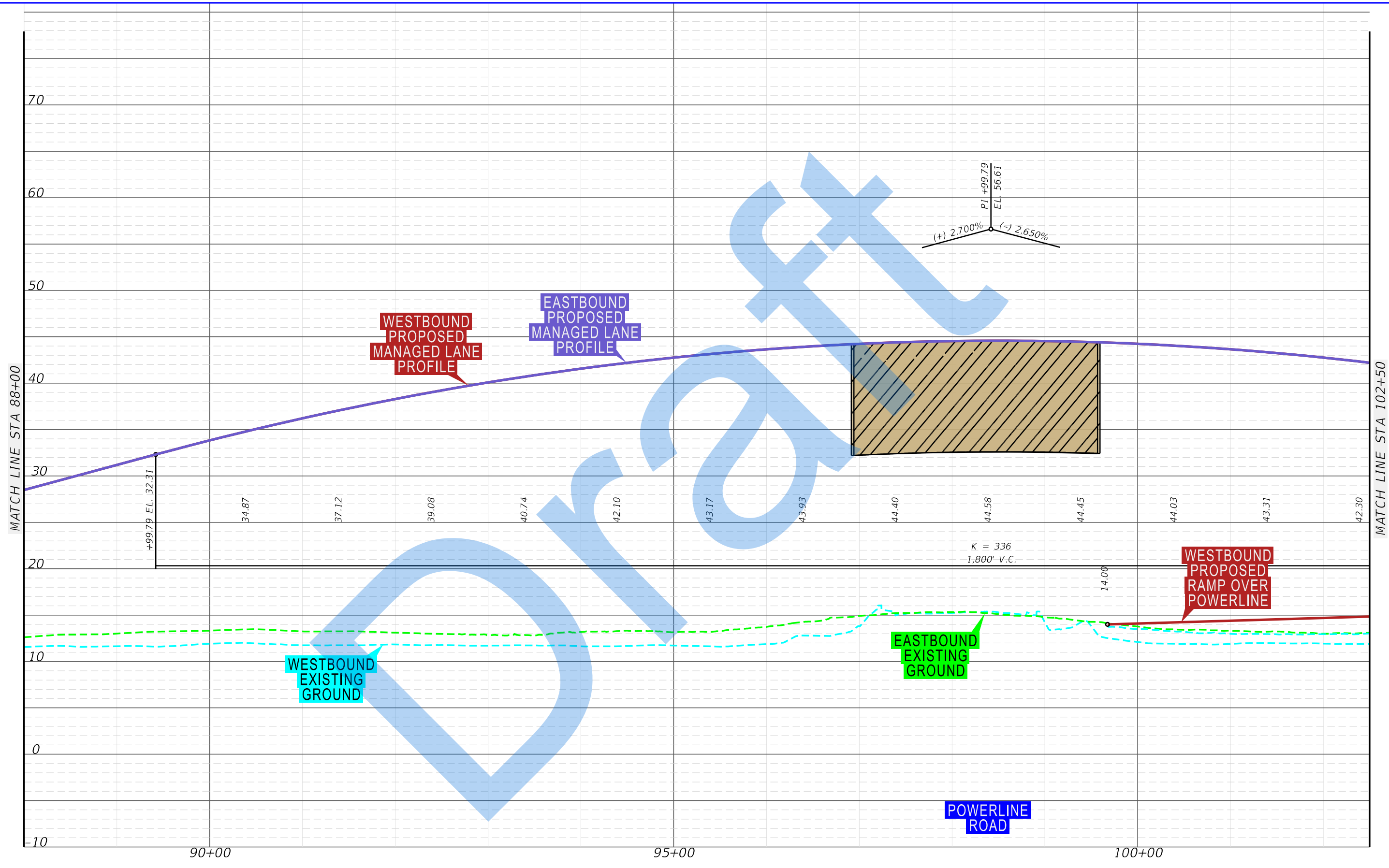


SR 869 / SW 10th Street Connector PD&E Study from
Florida's Turnpike / Sawgrass Expressway to west of I-95
Financial Project ID: 439891-1-22-02, ETDM No: 14291

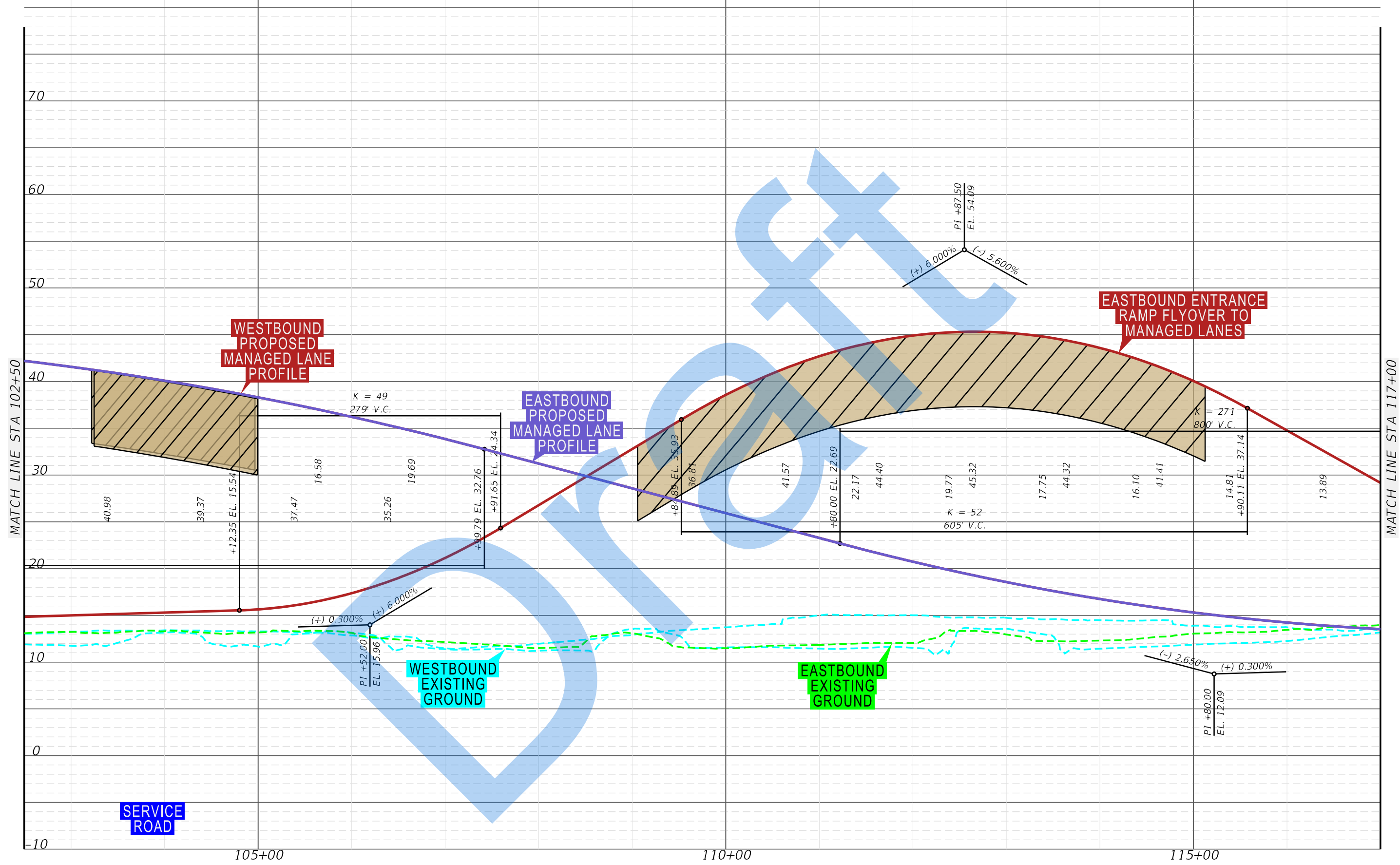
APPENDIX C
WITHOUT POWERLINE ROAD
RAMPS PROFILE

SHEET
NO.
C-43

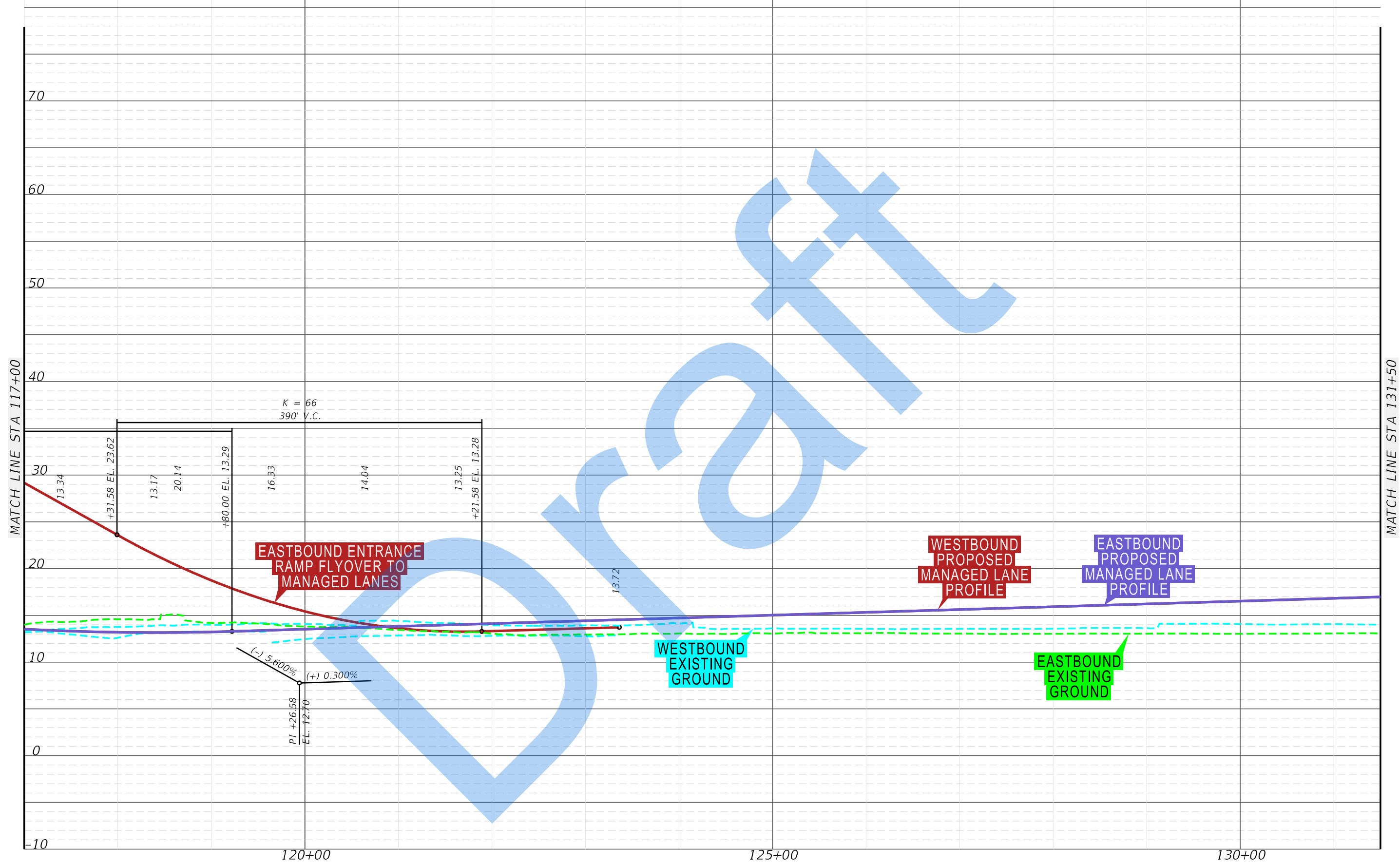
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9/29/23 AM
9/15/2020
dcmhuem



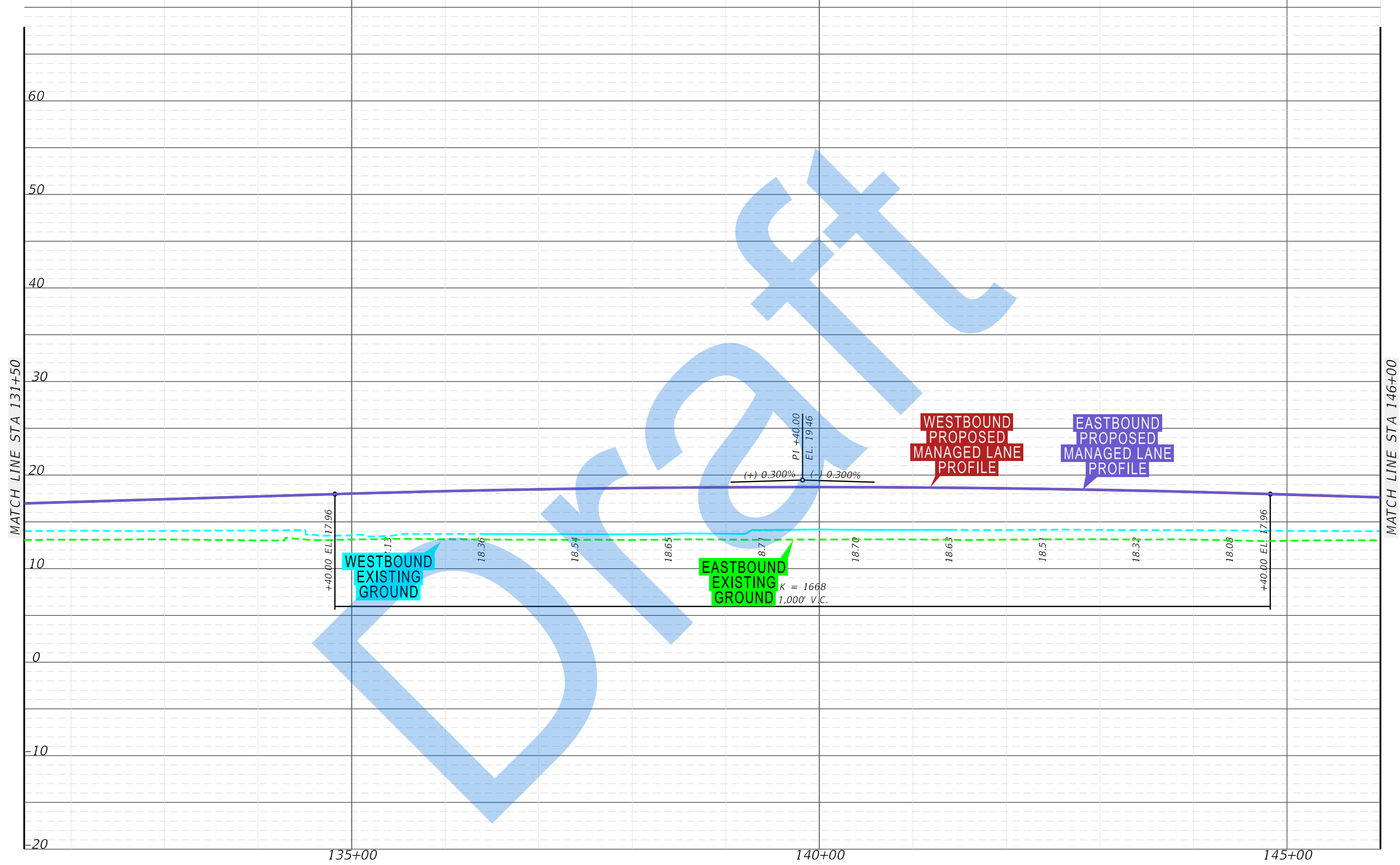
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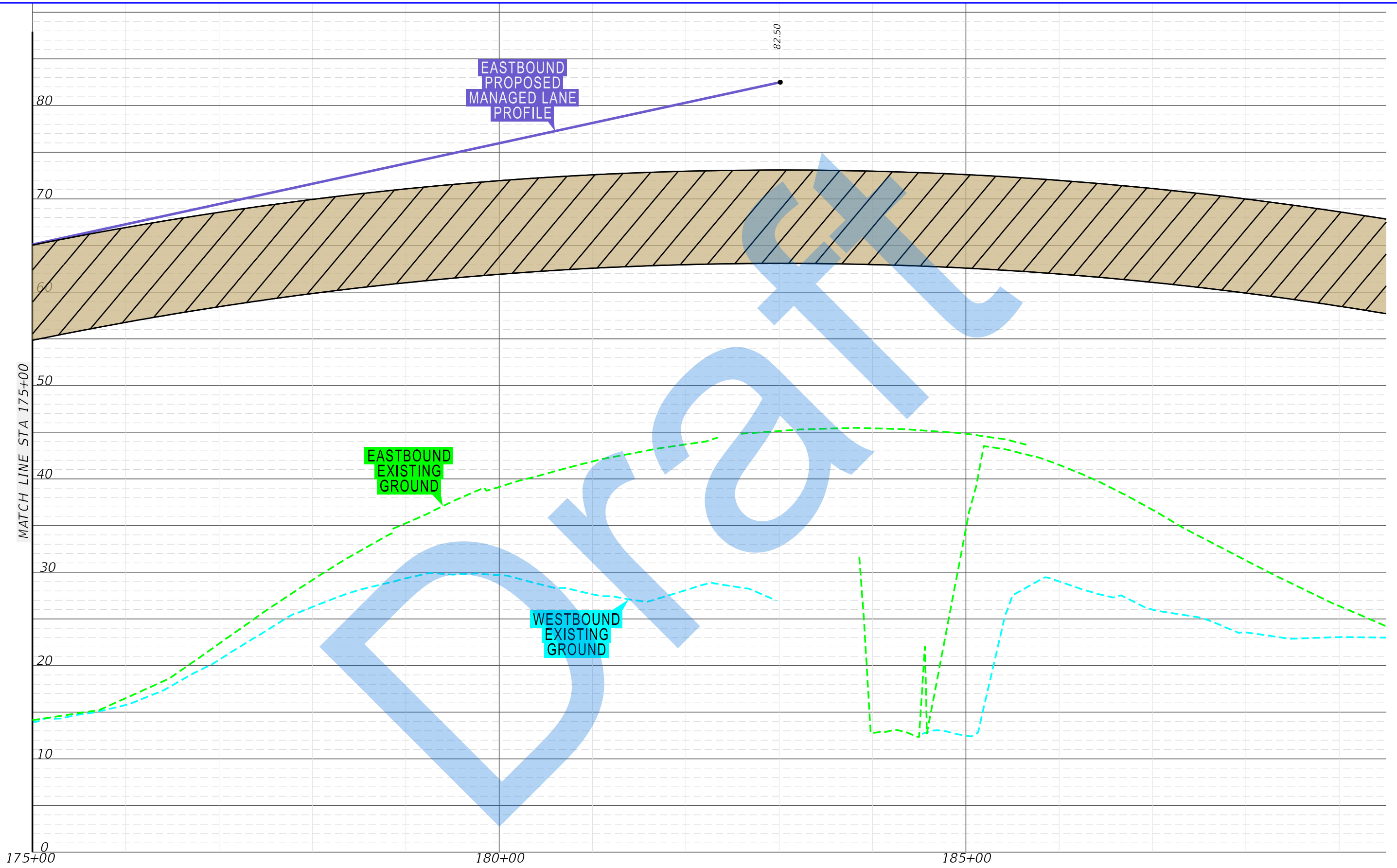
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9/15/2020 9:29:48 AM X:\P\439891\3202_SW 10th Street\emo 4 - Reports - Engineering\PER\Appendix C - Tier 3 Alternatives\Profile 460\planem0.dgn



Appendix D

Preferred Alternative

*(To be completed after the
Public Hearing)*

Appendix E – Typical Section Package

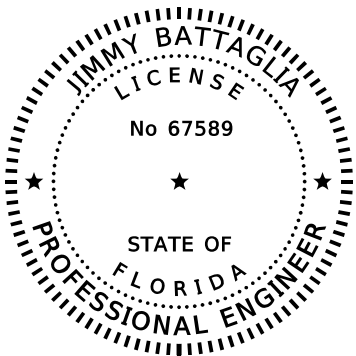
Draft

With Powerline Road Ramps *Alternative*

Draft

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

RS&H, INC.
3125 W COMMERCIAL BLVD SUITE 130
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION: 5620
JIMMY BATTAGLIA, P.E. NO. 67589

FINANCIAL PROJECT ID 439891-1-22-02
BROWARD COUNTY (86012)
STATE ROAD NO. 869

SW 10TH STREET CONNECTOR

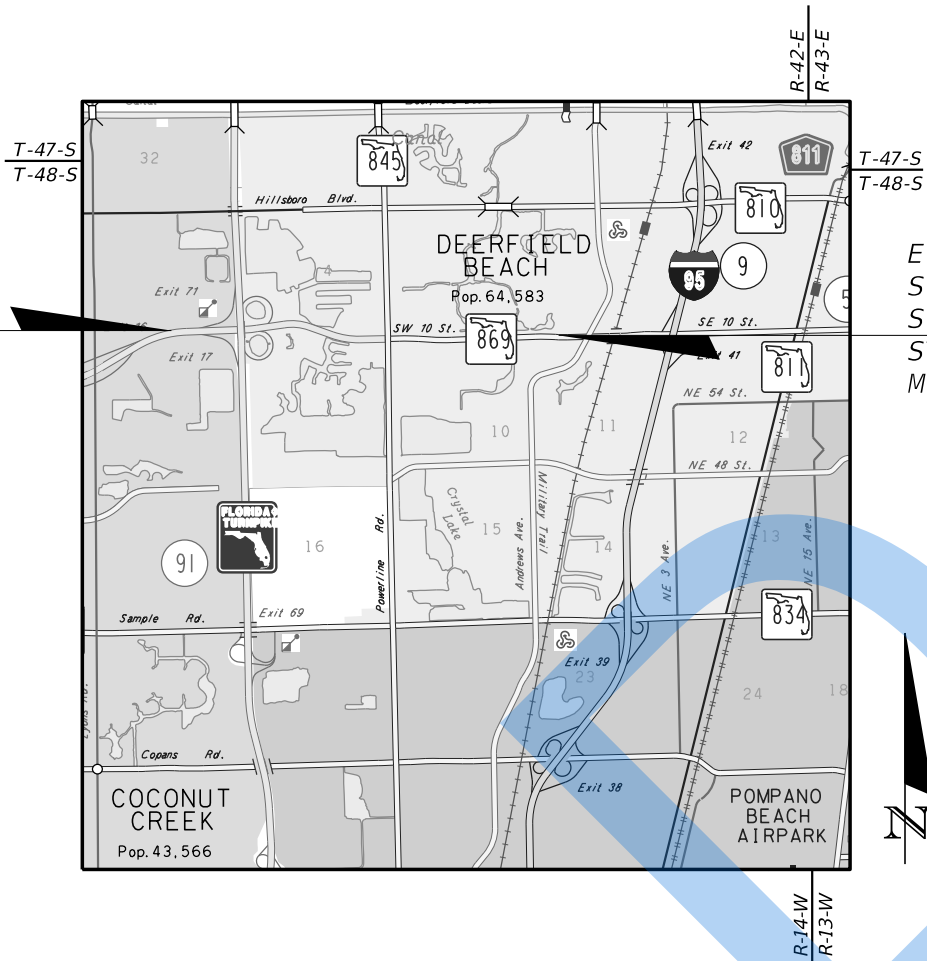
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

TYPICAL SECTION PACKAGE

SHEET NO	SHEET DESCRIPTION
1	COVER SHEET
2	SAWGRASS EXPRESSWAY
3	SR 869 - MANAGED LANES - RAMP TO SW 10 STREET - RAMP FROM LYONS
4 - 7	SR 869 - MANAGED LANES
8 - 9	SR 869 - EASTBOUND SW 10TH STREET
10 - 11	SR 869 - SW 10TH STREET
12	SR 845 - POWERLINE ROAD
13	SERVICE ROAD
14	3-LANE WESTBOUND RAMP
15	EASTBOUND ENTRANCE RAMP
16	WESTBOUND EXIT RAMP
17	SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR BRIDGES OVER POWERLINE ROAD AND SERVICE ROAD
18	3-LANE WESTBOUND RAMP FROM SW 10TH STREET TO SAWGRASS EXPRESSWAY BRIDGE OVER SR 869 - MANAGED LANES
19	EASTBOUND ENTRANCE RAMP BRIDGE OVER EASTBOUND SR 869 - MANAGED LANES
20	EASTBOUND RAMP FROM LYONS ROAD - 2-LANE RAMP
21	EASTBOUND RAMP FROM LYONS ROAD - 1-LANE RAMP
22	WESTBOUND RAMP FROM FLORIDA'S TURNPIKE - 2-LANE RAMP
23	WESTBOUND RAMP FROM FLORIDA'S TURNPIKE - 1-LANE RAMP

BEGIN PROJECT
SR 869
SW 10TH STREET
STA 31+30.60
MP 20.253

END PROJECT
SR 869
SW 10TH STREET
STA 163+31.43
MP 1.232



TYPICAL SECTION CONCURRENCE

JOHN OLSON, P.E.
FDOT DISTRICT DESIGN ENGINEER

RAMON OTERO, P.E.
FDOT DISTRICT STRUCTURES
DESIGN ENGINEER

CESAR J. MARTINEZ, P.E.
FDOT DISTRICT PROJECT
DEVELOPMENT MANAGER

FLORIDA'S TURNPIKE CONCURRENCE:

FHWA CONCURRENCE:

DESIGN SPEED AND POSTED SPEED CONCURRENCE:

CONTEXT CLASSIFICATION
CONCURRENCE:

FLORIDA'S TURNPIKE TRANSPORTATION ENGINEER
TYPICAL SECTIONS 1, 2, 3, 4, 19, 20, 21, & 22

FHWA TRANSPORTATION ENGINEER

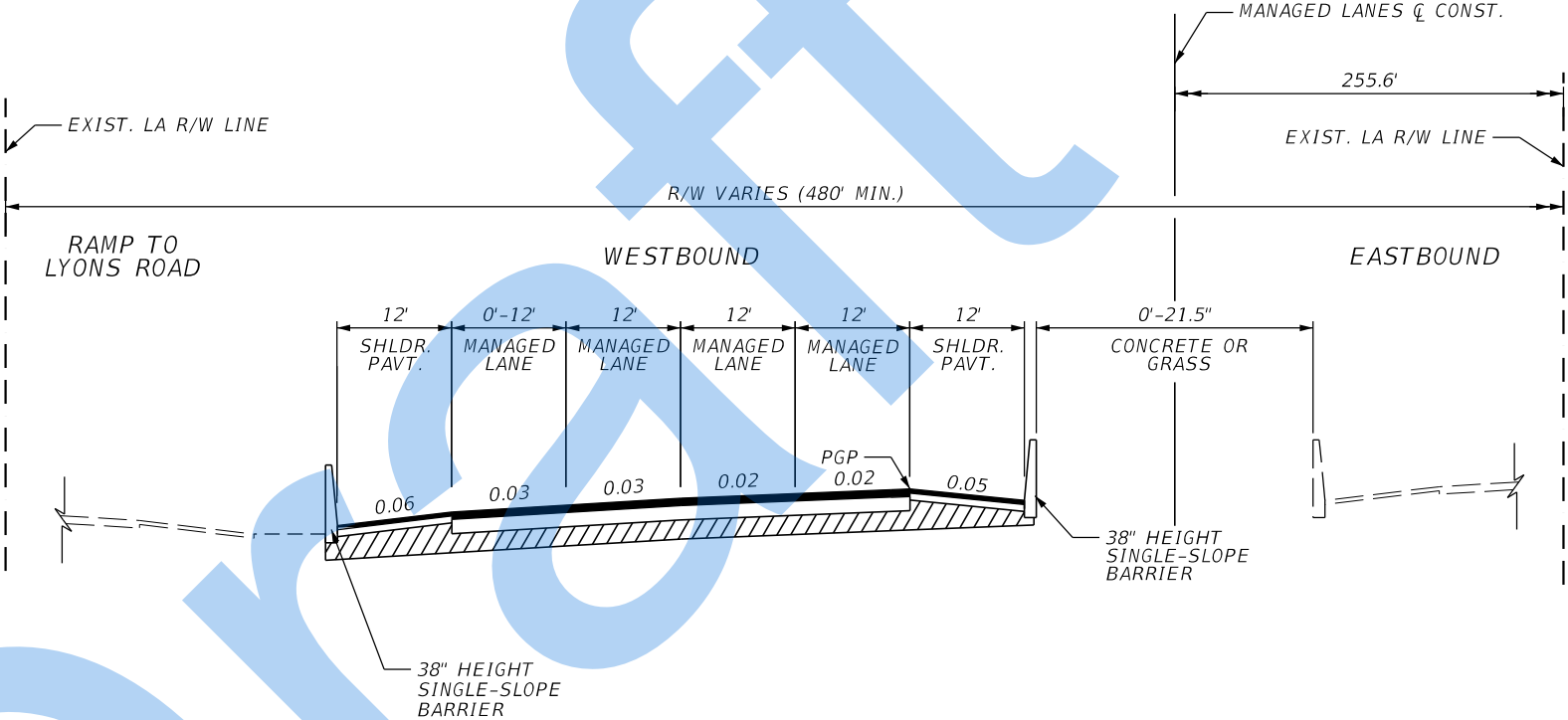
MARK PLASS, P.E.
FDOT DISTRICT TRAFFIC
OPERATIONS ENGINEER

JOHN OLSON, P.E.
FDOT DISTRICT DESIGN ENGINEER

LAWRENCE E. WALLACE
FDOT DISTRICT BICYCLE/PEDSTRIAN/
COMPLETE STREETS COORDINATOR
TYPICAL SECTIONS 9, 10, 11, & 12

SHEET
NO.

1

PROJECT CONTROLS		TYPICAL SECTION No. 1					
<div>CONTEXT CLASSIFICATION</div> <div><div><div>() C1 : NATURAL</div><div>() C2 : RURAL</div><div>() C2T : RURAL TOWN</div><div>() C3R : SUBURBAN RES.</div><div>(X) N/A : L.A. FACILITY</div></div><div><div>() C3C : SUBURBAN COMM.</div><div>() C4 : URBAN GENERAL</div><div>() C5 : URBAN CENTER</div><div>() C6 : URBAN CORE</div></div></div>		<div><p>SAWGRASS EXPRESSWAY STA. 31+30.60 TO STA. 42+67.02 MP 20.523 TO MP 20.468</p></div>					
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div>() INTERSTATE</div><div>(X) FREEWAY/EXPWY.</div><div>() PRINCIPAL ARTERIAL</div><div>() MINOR ARTERIAL</div></div><div><div>() MAJOR COLLECTOR</div><div>() MINOR COLLECTOR</div><div>() LOCAL</div></div></div>							
<div>HIGHWAY SYSTEM</div> <div><div>() NATIONAL HIGHWAY SYSTEM</div><div>(X) STRATEGIC INTERMODAL SYSTEM</div><div>(X) STATE HIGHWAY SYSTEM</div><div>() OFF-STATE HIGHWAY SYSTEM</div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div>(X) 1 - FREEWAY</div><div>() 2 - RESTRICTIVE w/Service Roads</div><div>() 3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>() 5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>() 7 - BOTH MEDIAN TYPES</div></div>							
<div>CRITERIA</div> <div><div>(X) NEW CONSTRUCTION / RECONSTRUCTION</div><div>() RESURFACING (LA FACILITIES)</div><div>() RRR (ARTERIALS & COLLECTORS)</div></div>		<div>TRAFFIC DATA</div> <div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 43,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 57,200</div><div>K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 2.7%</div><div>DESIGN SPEED = 60 MPH</div><div>POSTED SPEED = 60 MPH</div></div> <div>NOT TO SCALE</div> <table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>2</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	2
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	2						
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>							

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

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

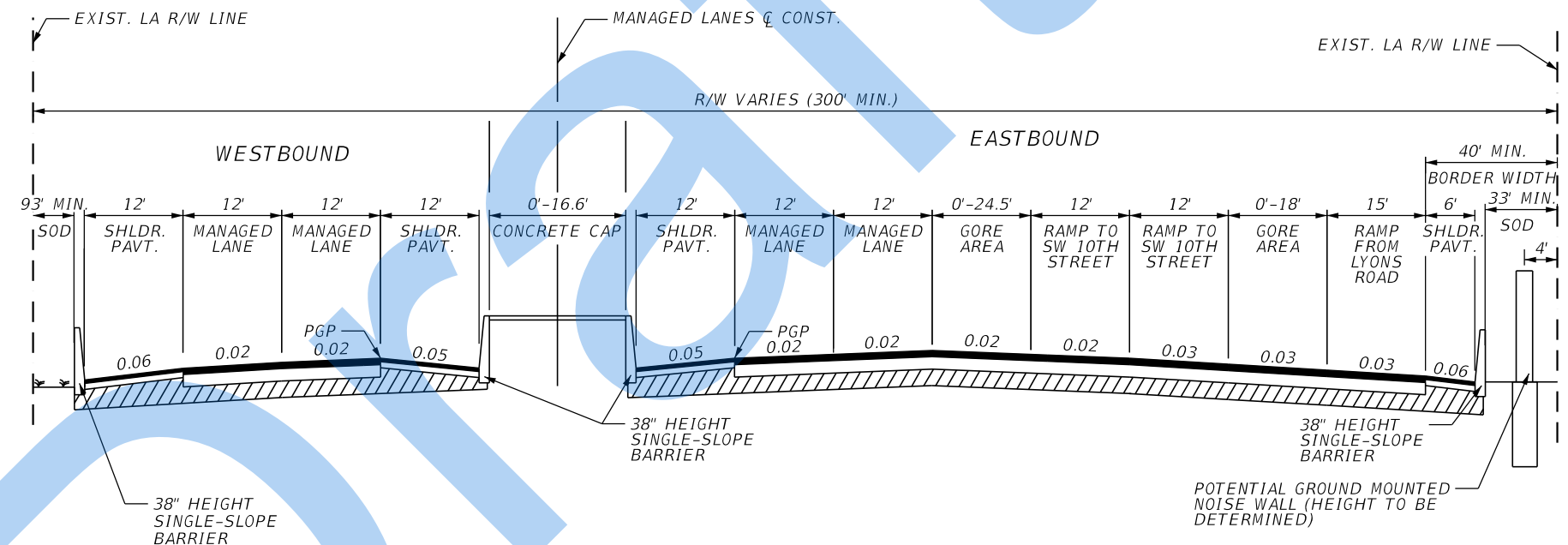
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 2



SR 869 - MANAGED LANES
RAMPS TO SW 10TH STREET
RAMP FROM LYONS ROAD
STA. 42+67.02 TO STA. 56+82.65
MP 20.468 TO MP 20.736

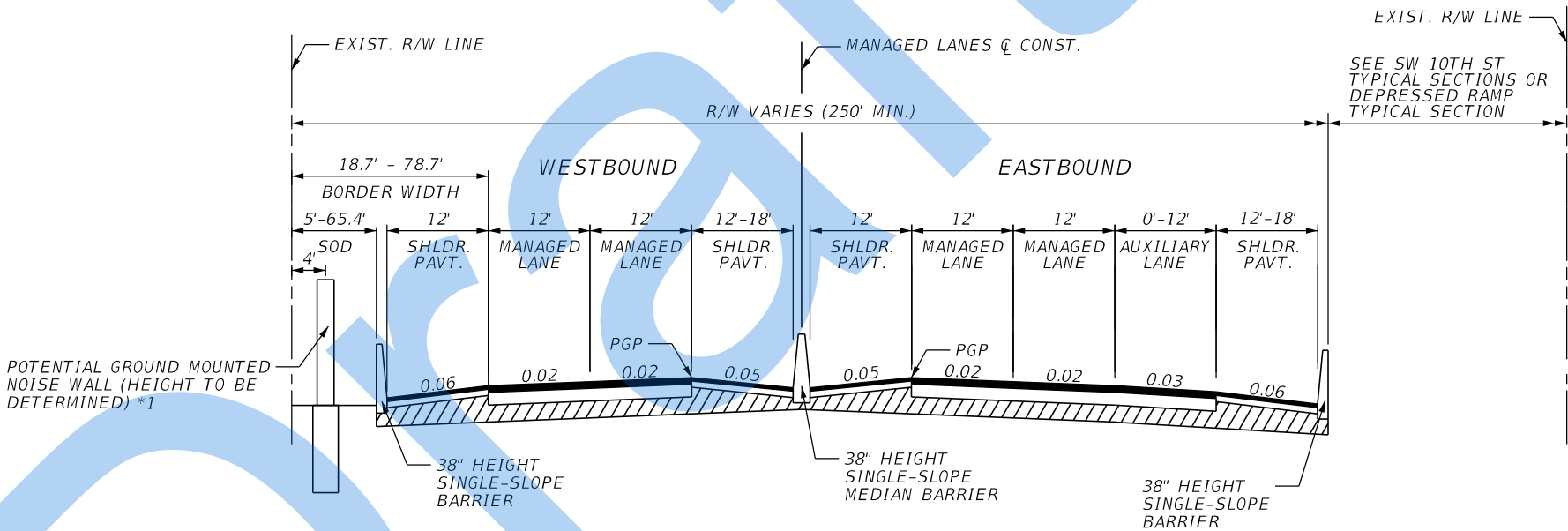
TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 57,200
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	3

PROJECT CONTROLS		TYPICAL SECTION No. 3							
<div>CONTEXT CLASSIFICATION</div> <div><div><div>()</div>C1 : NATURAL</div><div><div>()</div>C2 : RURAL</div><div><div>()</div>C2T : RURAL TOWN</div><div><div>()</div>C3R : SUBURBAN RES.</div><div><div>(X)</div>N/A : L.A. FACILITY</div></div> <div><div><div>()</div>C3C : SUBURBAN COMM.</div><div><div>()</div>C4 : URBAN GENERAL</div><div><div>()</div>C5 : URBAN CENTER</div><div><div>()</div>C6 : URBAN CORE</div></div>		<div></div>							
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div>()</div>INTERSTATE</div><div><div>(X)</div>FREEWAY/EXPWY.</div><div><div>()</div>PRINCIPAL ARTERIAL</div><div><div>()</div>MINOR ARTERIAL</div></div> <div><div><div>()</div>MAJOR COLLECTOR</div><div><div>()</div>MINOR COLLECTOR</div><div><div>()</div>LOCAL</div></div>									
<div>HIGHWAY SYSTEM</div> <div><div><div>()</div>NATIONAL HIGHWAY SYSTEM</div><div><div>(X)</div>STRATEGIC INTERMODAL SYSTEM</div><div><div>(X)</div>STATE HIGHWAY SYSTEM</div><div><div>()</div>OFF-STATE HIGHWAY SYSTEM</div></div>									
<div>ACCESS CLASSIFICATION</div> <div><div><div>(X)</div>1 - FREEWAY</div><div><div>()</div>2 - RESTRICTIVE w/Service Roads</div><div><div>()</div>3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div><div>()</div>4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div><div>()</div>5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div><div>()</div>6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div><div>()</div>7 - BOTH MEDIAN TYPES</div></div>									
<div>CRITERIA</div> <div><div><div>(X)</div>NEW CONSTRUCTION / RECONSTRUCTION</div><div><div>()</div>RESURFACING (LA FACILITIES)</div><div><div>()</div>RRR (ARTERIALS & COLLECTORS)</div></div>		<div></div>							
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div> <div><div>1. BORDER WIDTH</div></div>									
<div>TRAFFIC DATA (1st)</div> <div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 43,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 57,200</div><div>K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 2.7%</div><div>DESIGN SPEED = 60 MPH</div><div>POSTED SPEED = 60 MPH</div></div>		<div>TRAFFIC DATA (2nd)</div> <div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 57,400</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 78,800</div><div>K = 9% D = 61.2% AM PEAK T = 3.8% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 1.9%</div><div>DESIGN SPEED = 60 MPH</div><div>POSTED SPEED = 60 MPH</div></div>		<div>NOT TO SCALE</div> <table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>4</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	4
FINANCIAL PROJECT ID	SHEET NO.								
439891-1-22-02	4								



PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

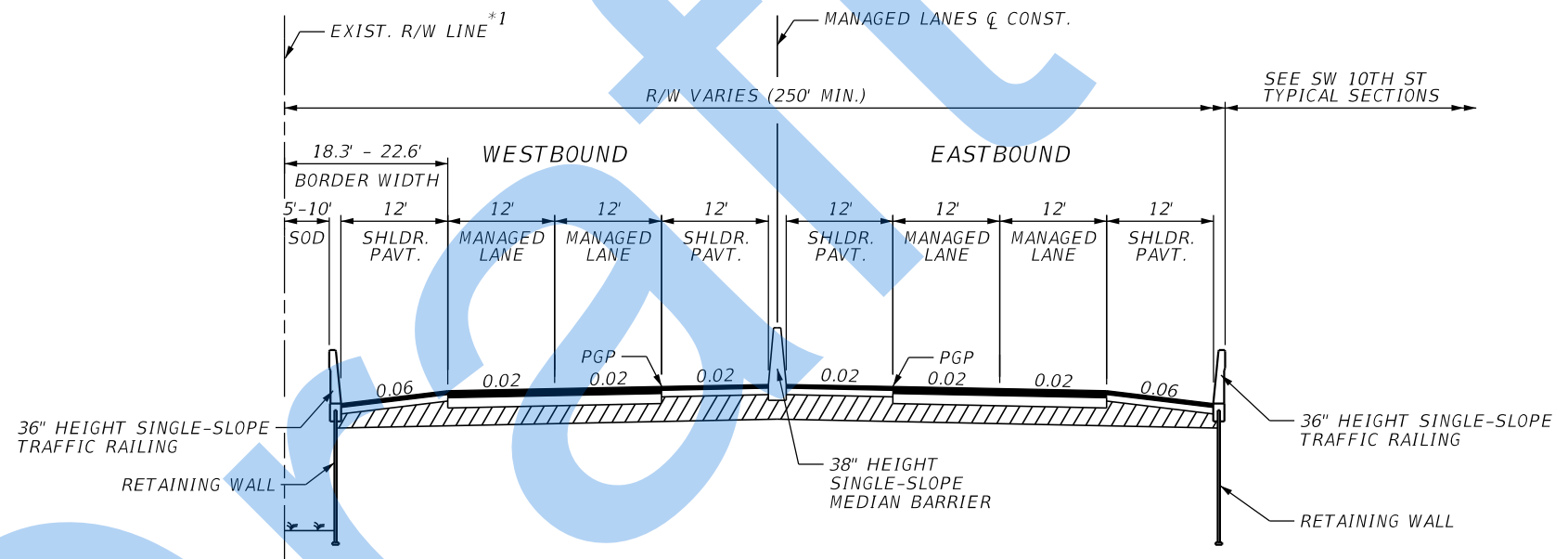
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

1. BORDER WIDTH

TYPICAL SECTION No. 4



*1 - SEE SERVICE ROAD
TYPICAL SECTION

SR 869 - MANAGED LANES
STA. 81+34.52 TO STA. 96+96.64
STA. 99+57.31 TO STA. 103+49.35
STA. 104+91.43 TO STA. 119+22.73
MP 21.201 TO MP 21.497
MP 0.025 TO MP 0.099
MP 0.126 TO MP 0.397

TRAFFIC DATA (1st)

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 57,200
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

TRAFFIC DATA (2nd & 3rd)

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 57,400
ESTIMATED DESIGN YEAR = 2040 AADT = 78,800
K = 9% D = 61.2% AM PEAK T = 3.8% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 1.9%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	5

PROJECT CONTROLS		TYPICAL SECTION No. 5					
<div>CONTEXT CLASSIFICATION</div> <div><div><div>()C1 : NATURAL</div><div>()C2 : RURAL</div><div>()C2T : RURAL TOWN</div><div>()C3R : SUBURBAN RES.</div><div>(X)N/A : L.A. FACILITY</div></div><div><div>()C3C : SUBURBAN COMM.</div><div>()C4 : URBAN GENERAL</div><div>()C5 : URBAN CENTER</div><div>()C6 : URBAN CORE</div></div></div>		<div></div>					
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div>()INTERSTATE</div><div>(X)FREEWAY/EXPWY.</div><div>()PRINCIPAL ARTERIAL</div><div>()MINOR ARTERIAL</div></div><div><div>()MAJOR COLLECTOR</div><div>()MINOR COLLECTOR</div><div>()LOCAL</div></div></div>							
<div>HIGHWAY SYSTEM</div> <div><div>()NATIONAL HIGHWAY SYSTEM</div><div>(X)STRATEGIC INTERMODAL SYSTEM</div><div>(X)STATE HIGHWAY SYSTEM</div><div>()OFF-STATE HIGHWAY SYSTEM</div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div><div>(X)1 - FREEWAY</div><div>()2 - RESTRICTIVE w/Service Roads</div><div>()3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>()4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>()5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>()6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>()7 - BOTH MEDIAN TYPES</div></div></div>							
<div>CRITERIA</div> <div><div><div>(X)NEW CONSTRUCTION / RECONSTRUCTION</div><div>()RESURFACING (LA FACILITIES)</div><div>()RRR (ARTERIALS & COLLECTORS)</div></div></div>		<div><div><div>SR 869 - WESTBOUND MANAGED LANES</div><div>STA. 127+64.91 TO STA. 163+31.43</div><div>MP 0.557 TO MP 1.232</div></div><div><div>SR 869 - EASTBOUND MANAGED LANES</div><div>STA. 127+64.91 TO STA. 154+91.75</div><div>MP 0.557 TO MP 1.073</div></div></div>					
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div> <div>1. BORDER WIDTH</div>		<div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 57,400</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 78,800</div><div>K = 9% D = 61.2% AM PEAK T = 3.8% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 1.9%</div><div>DESIGN SPEED = 60 MPH</div><div>POSTED SPEED = 60 MPH</div></div><div><div>NOT TO SCALE</div><table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>6</td></tr></table></div></div>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	6
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	6						

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

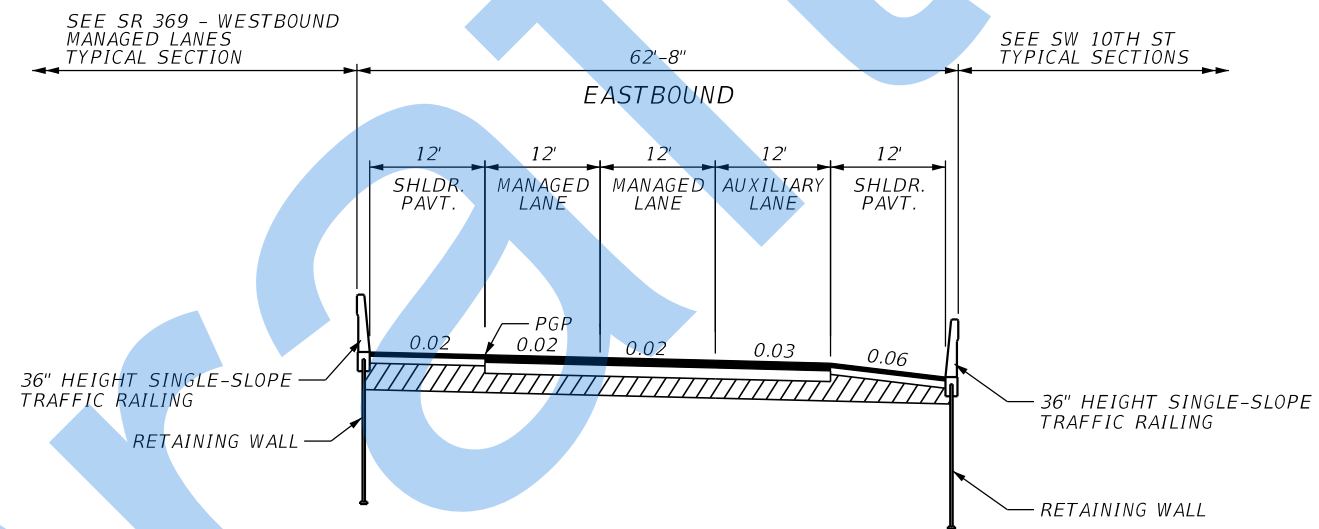
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 6



SR 869 - EASTBOUND MANAGED LANES
STA. 154+91.75 TO STA. 163+31.43
MP 1.073 TO MP 1.232

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 57,400
ESTIMATED DESIGN YEAR = 2040 AADT = 78,800
K = 9% D = 61.2% AM PEAK T = 3.8% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 1.9%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	7

PROJECT CONTROLS		TYPICAL SECTION No. 7					
CONTEXT CLASSIFICATION		<div></div>					
FUNCTIONAL CLASSIFICATION							
HIGHWAY SYSTEM							
ACCESS CLASSIFICATION							
CRITERIA							
POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:		<div>TRAFFIC DATA</div> <div>CURRENT YEAR = 2016 AADT = 38,000 ESTIMATED OPENING YEAR = 2020 AADT = 31,800 ESTIMATED DESIGN YEAR = 2040 AADT = 46,600 K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR) 61.2% PM PEAK DESIGN HOUR T = 1.3% DESIGN SPEED = 35 MPH POSTED SPEED = 35 MPH</div> <div>NOT TO SCALE</div> <table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>8</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	8
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	8						

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
(X) C3R : SUBURBAN RES.	() C6 : URBAN CORE
() N/A : L.A. FACILITY	

- ### FUNCTIONAL CLASSIFICATION
- | | |
|------------------------|---------------------|
| () INTERSTATE | () MAJOR COLLECTOR |
| () FREEWAY/EXPWY. | () MINOR COLLECTOR |
| (X) PRINCIPAL ARTERIAL | () LOCAL |
| () MINOR ARTERIAL | |

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

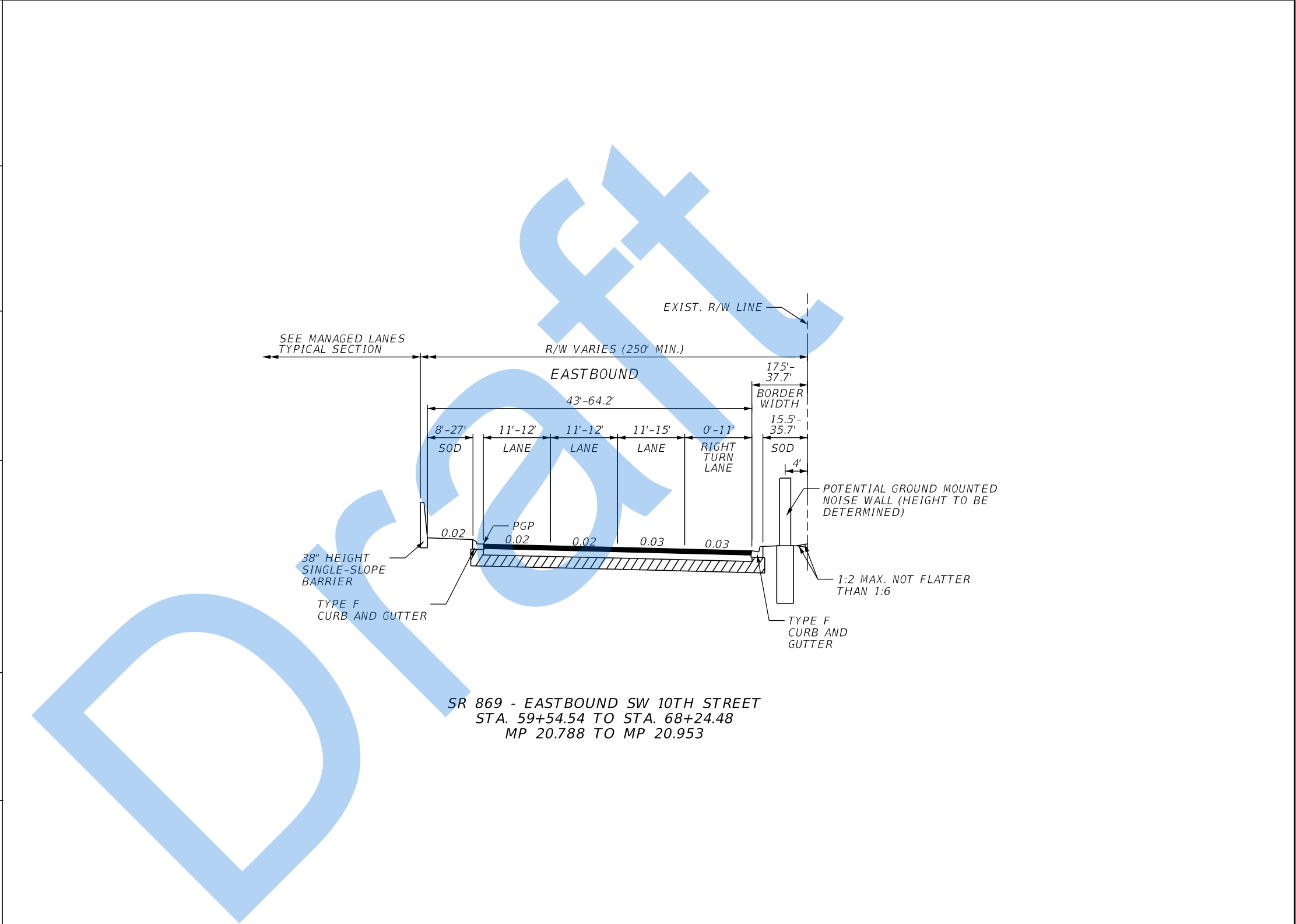
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- (X) 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - () 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:*
-

TYPICAL SECTION No. 8



<div>TRAFFIC DATA</div> <div> <div>CURRENT YEAR = 2016 AADT = 38,000</div> <div>ESTIMATED OPENING YEAR = 2020 AADT = 31,800</div> <div>ESTIMATED DESIGN YEAR = 2040 AADT = 46,600</div> <div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div> <div>61.2% PM PEAK</div> <div>DESIGN HOUR T = 1.3%</div> <div>DESIGN SPEED = 35 MPH</div> <div>POSTED SPEED = 35 MPH</div> </div>		<div>NOT TO SCALE</div> <div> <table> <tr> <td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr> <tr> <td>439891-1-22-02</td><td>9</td></tr> </table> </div>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	9
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	9						

9/11/2020 2:10:45 PM

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>9</i>

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
(X)	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
()	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
() FREEWAY/EXPWY.	() MINOR COLLECTOR
(X) PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

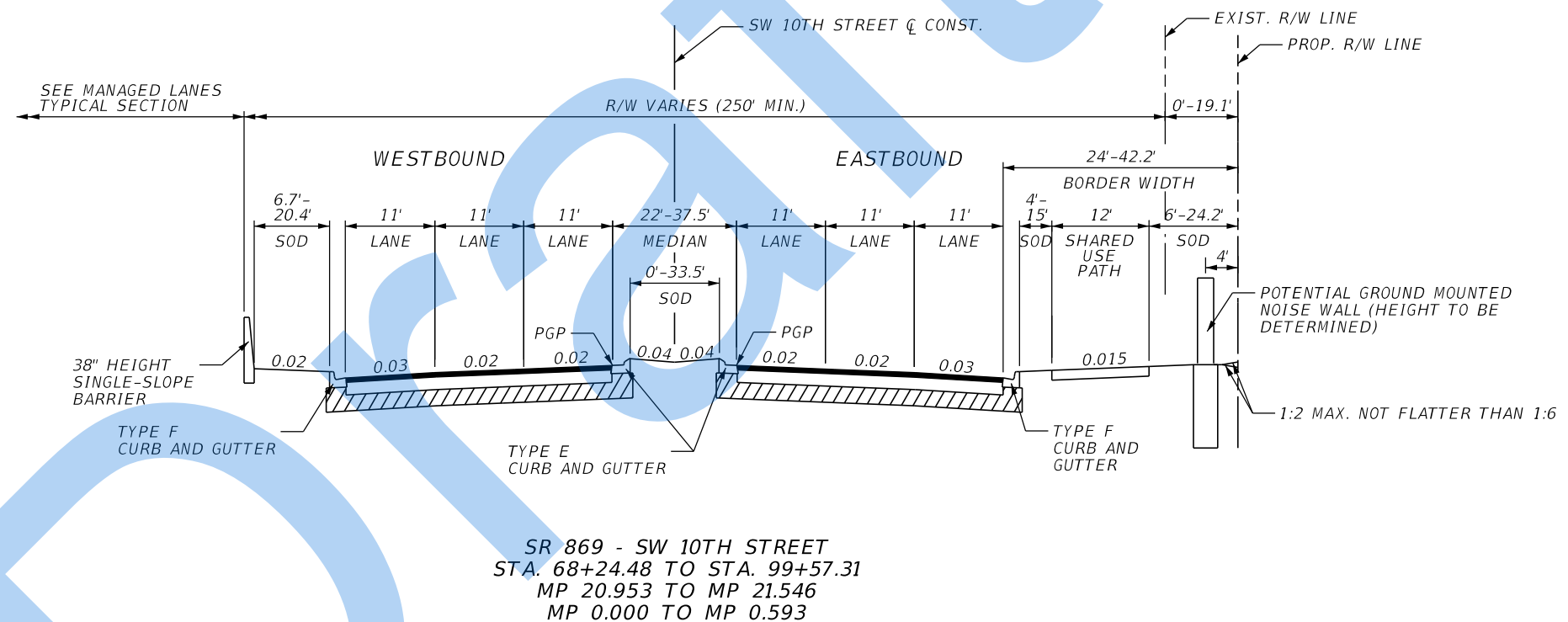
- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 9



TRAFFIC DATA

CURRENT YEAR = 2016 AADT = 38,000
ESTIMATED OPENING YEAR = 2020 AADT = 31,800
ESTIMATED DESIGN YEAR = 2040 AADT = 46,600
K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)
61.2% PM PEAK
DESIGN HOUR T = 1.3%
DESIGN SPEED = 35 MPH
POSTED SPEED = 35 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	10

PROJECT CONTROLS		TYPICAL SECTION No. 10					
CONTEXT CLASSIFICATION		<div></div> <div>SR 869 - SW 10TH STREET STA. 99+57.31 TO STA. 159+50.20 MP 0.593 TO MP 1.728</div>					
FUNCTIONAL CLASSIFICATION							
HIGHWAY SYSTEM							
ACCESS CLASSIFICATION							
CRITERIA							
POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:		TRAFFIC DATA					
		<div><div>CURRENT YEAR = 2016 AADT = 46,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 14,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 18,800</div><div>K = 9% D = 60% AM PEAK T = 1.3% (24 HOUR)</div><div>58.5% PM PEAK</div><div>DESIGN HOUR T = 0.6%</div><div>DESIGN SPEED = 35 MPH</div><div>POSTED SPEED = 35 MPH</div></div>					
		NOT TO SCALE					
		<table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>11</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	11
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	11						

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

PROJECT CONTROLS		TYPICAL SECTION No. 11		
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div>(X)</div><div>C3R : SUBURBAN RES.</div></div><div><div></div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div> <div><div>FUNCTIONAL CLASSIFICATION</div><div><div><div><div></div><div>INTERSTATE</div></div><div><div></div><div>FREEWAY/EXPWY.</div></div><div><div>(X)</div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div></div> <div><div>HIGHWAY SYSTEM</div><div><div><div><div></div><div>NATIONAL HIGHWAY SYSTEM</div></div><div><div></div><div>STRATEGIC INTERMODAL SYSTEM</div></div><div><div>(X)</div><div>STATE HIGHWAY SYSTEM</div></div><div><div></div><div>OFF-STATE HIGHWAY SYSTEM</div></div></div></div></div> <div><div>ACCESS CLASSIFICATION</div><div><div><div><div><div></div><div>1 - FREEWAY</div></div><div><div></div><div>2 - RESTRICTIVE w/Service Roads</div></div><div><div>(X)</div><div>3 - RESTRICTIVE w/660 ft. Connection Spacing</div></div><div><div></div><div>4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div></div><div><div></div><div>5 - RESTRICTIVE w/440 ft. Connection Spacing</div></div><div><div></div><div>6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div></div><div><div></div><div>7 - BOTH MEDIAN TYPES</div></div></div></div></div><div><div>CRITERIA</div><div><div><div><div>(X)</div><div>NEW CONSTRUCTION / RECONSTRUCTION</div></div><div><div></div><div>RESURFACING (LA FACILITIES)</div></div><div><div></div><div>RRR (ARTERIALS & COLLECTORS)</div></div></div></div></div><div><div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div><div><div>1. BIKE LANE WIDTH</div><div>2. BORDER WIDTH</div><div>3. MEDIAN WIDTH</div></div></div></div>		<div><p>The diagram illustrates a typical cross-section of a four-lane highway with a central median. It shows the layout for both Southbound and Northbound traffic. Key features include: a central median (15.5'-32' wide) with a 0'-28' SOD; two travel lanes (11' wide) on each side of the median; a 4' bike lane on each side; a border width of 24.8'-62.8' on the left and 16' on the right; and various shoulder widths (6' SWK. on the left, 6'-8' SWK. on the right). The diagram also shows the existing and proposed right-of-way lines, with a minimum right-of-way of 132'. Engineering details include Type F curb and gutter, Type E curb and gutter, and various slopes (0.02, 0.03, 0.04) and levels (2' level, 1:2 max. not flatter than 1:6). The diagram is labeled 'SR 845 - POWERLINE ROAD MP 11.426 TO MP 11.957'.</p></div> <div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2016 AADT = 39,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 46,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 46,000</div><div>K = 9% D = 58% AM PEAK T = 5-7% (24 HOUR)</div><div>56% PM PEAK</div><div>DESIGN HOUR T = 2.5-3.5%</div><div>DESIGN SPEED = 45 MPH</div><div>POSTED SPEED = 45 MPH</div></div></div> <div><div>NOT TO SCALE</div><div><div><div>FINANCIAL PROJECT ID</div><div>439891-1-22-02</div></div><div><div>SHEET NO.</div><div>12</div></div></div></div>		

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
(X)	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
()	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
() FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	(X) LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
() STRATEGIC INTERMODAL SYSTEM
() STATE HIGHWAY SYSTEM
(X) OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

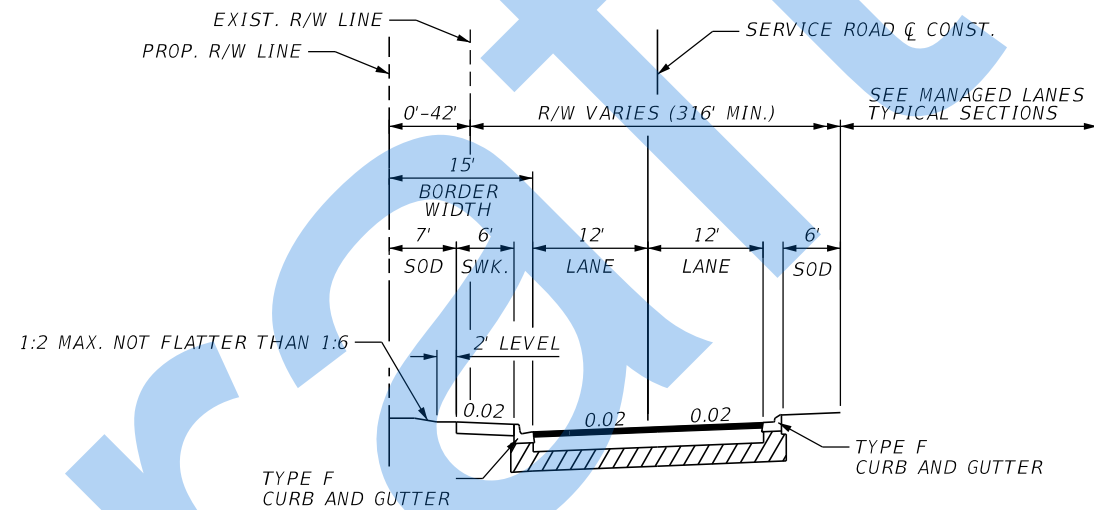
- () 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 12



SERVICE ROAD
STA. 104+25.16 TO STA. 118+08.71
MP 0.114 TO MP 0.376

TRAFFIC DATA

CURRENT YEAR = 2016 AADT = 2,300
ESTIMATED OPENING YEAR = 2020 AADT = 950
ESTIMATED DESIGN YEAR = 2040 AADT = 950
K = 9% D = 58.8% AM PEAK T = 22.4% (24 HOUR)
84.6% PM PEAK
DESIGN HOUR T = 11.2%
DESIGN SPEED = 15 MPH
POSTED SPEED = 15 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	13

PROJECT CONTROLS	TYPICAL SECTION No. 13
<div>CONTEXT CLASSIFICATION</div> <div><div><div>() C1 : NATURAL</div><div>() C2 : RURAL</div><div>() C2T : RURAL TOWN</div><div>() C3R : SUBURBAN RES.</div><div>(X) N/A : L.A. FACILITY</div></div><div><div>() C3C : SUBURBAN COMM.</div><div>() C4 : URBAN GENERAL</div><div>() C5 : URBAN CENTER</div><div>() C6 : URBAN CORE</div></div></div>	
<div>FUNCTIONAL CLASSIFICATION</div> <div><div>() INTERSTATE</div><div>(X) FREEWAY/EXPWY.</div><div>() PRINCIPAL ARTERIAL</div><div>() MINOR ARTERIAL</div></div> <div><div>() MAJOR COLLECTOR</div><div>() MINOR COLLECTOR</div><div>() LOCAL</div></div>	
<div>HIGHWAY SYSTEM</div> <div><div>() NATIONAL HIGHWAY SYSTEM</div><div>(X) STRATEGIC INTERMODAL SYSTEM</div><div>(X) STATE HIGHWAY SYSTEM</div><div>() OFF-STATE HIGHWAY SYSTEM</div></div>	
<div>ACCESS CLASSIFICATION</div> <div><div>(X) 1 - FREEWAY</div><div>() 2 - RESTRICTIVE w/Service Roads</div><div>() 3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>() 5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>() 7 - BOTH MEDIAN TYPES</div></div>	
<div>CRITERIA</div> <div><div>(X) NEW CONSTRUCTION / RECONSTRUCTION</div><div>() RESURFACING (LA FACILITIES)</div><div>() RRR (ARTERIALS & COLLECTORS)</div></div>	
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>	<div><div><div><div><div><div>SEE MANAGED LANES TYPICAL SECTION</div><div>SEE EASTBOUND SW 10TH ST TYPICAL SECTIONS</div></div><div><div>58'-8"</div><div>WESTBOUND</div><div><div>10'</div><div>12'</div><div>12'</div><div>12'</div><div>10'</div></div><div><div>SHLDR. PAVT.</div><div>LANE</div><div>LANE</div><div>LANE</div><div>SHLDR. PAVT.</div></div><div><div>0.06</div><div>0.03</div><div>0.02</div><div>PGP 0.02</div><div>0.02</div></div><div><div>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</div><div>RETAINING WALL</div><div>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</div><div>RETAINING WALL</div></div></div></div><div><div>3-LANE WESTBOUND RAMP FROM SW 10TH ST TO SAWGRASS EXPRESSWAY STA. 47+60.85 TO STA. 54+13.56 STA. 63+96.71 TO STA. 68+24.48 MP 20.562 TO MP 20.685 MP 20.872 TO MP 20.953</div></div></div></div><div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2016 AADT = 38,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 31,800</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 46,600</div><div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div><div>61.2% PM PEAK</div><div>DESIGN HOUR T = 1.3%</div><div>DESIGN SPEED = 35 MPH</div></div></div><div><div>NOT TO SCALE</div><div><div><div>FINANCIAL PROJECT ID</div><div>439891-1-22-02</div></div><div><div>SHEET NO.</div><div>14</div></div></div></div></div>

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

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

- | <u>FUNCTIONAL CLASSIFICATION</u> | |
|----------------------------------|---------------------|
| () INTERSTATE | () MAJOR COLLECTOR |
| (X) FREEWAY/EXPWY. | () MINOR COLLECTOR |
| () PRINCIPAL ARTERIAL | () LOCAL |
| () MINOR ARTERIAL | |

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

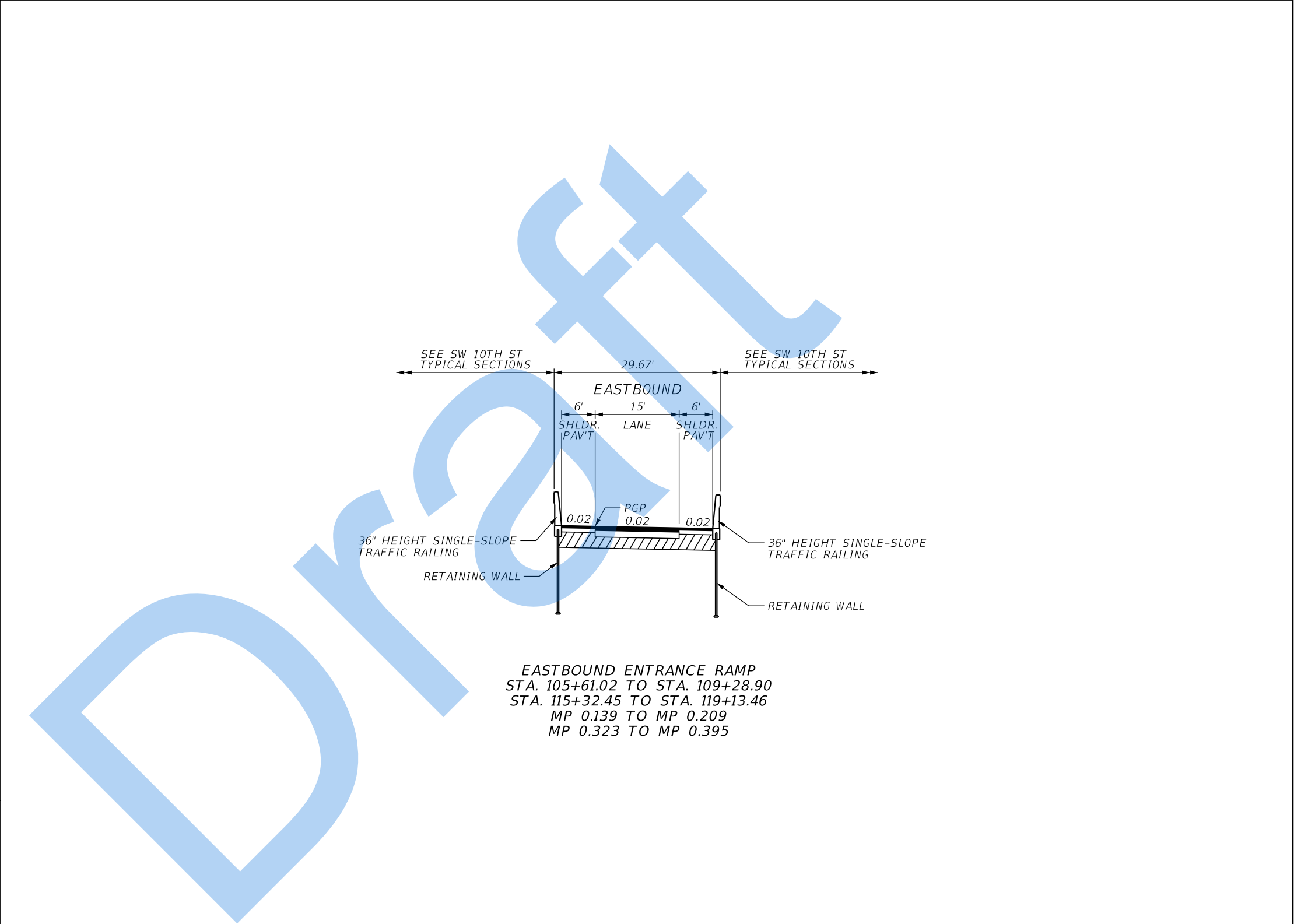
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- (X) 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - () 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:*
-

TYPICAL SECTION No. 14



TRAFFIC DATA

CURRENT YEAR = 2016 AADT = 46,000
ESTIMATED OPENING YEAR = 2020 AADT = 14,000
ESTIMATED DESIGN YEAR = 2040 AADT = 18,800
K = 9% D = 60% AM PEAK T = 1.3% (24 HOUR)
58.5% PM PEAK
DESIGN HOUR T = 0.6%
DESIGN SPEED = 35 MPH

<i>NOT TO SCALE</i>	
<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>15</i>

9/11/2020 2:10:51 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

<u>FUNCTIONAL CLASSIFICATION</u>	
() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

() OFF-STATE HIGHWAY SYSTEM

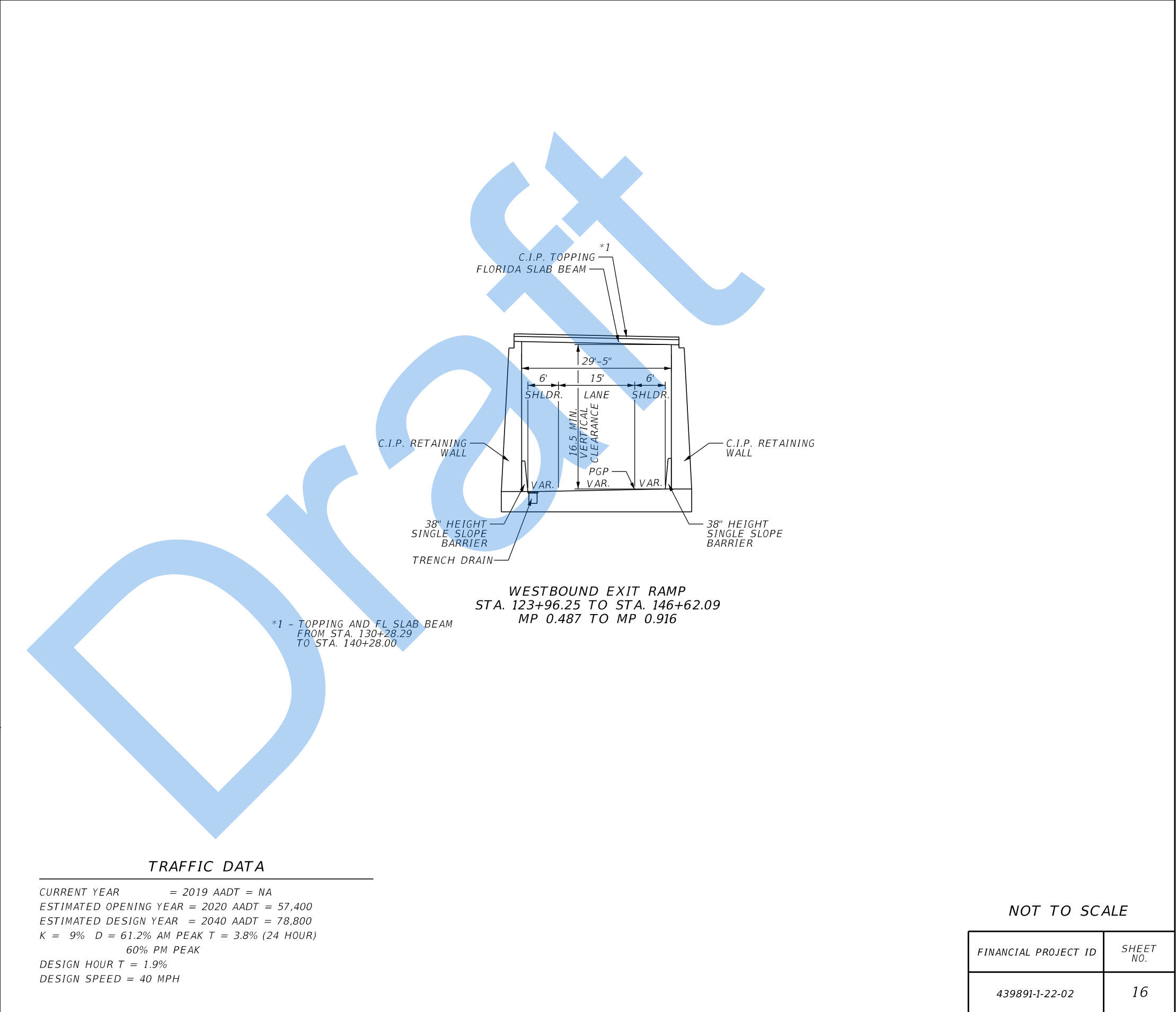
ACCESS CLASSIFICATION

- (X) 1 - FREEWAY
- () 2 - RESTRICTIVE w/Service Roads
- () 3 - RESTRICTIVE w/660 ft. Connection Spacing
- () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
- () 5 - RESTRICTIVE w/440 ft. Connection Spacing
- () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
- () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

*POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:*

TYPICAL SECTION No. 15



WESTBOUND EXIT RAMP
STA. 123+96.25 TO STA. 146+62.09
MP 0.487 TO MP 0.916

*1 - TOPPING AND FL SLAB BEAM
FROM STA. 130+28.29
TO STA. 140+28.00

TRAFFIC DATA		NOT TO SCALE	
CURRENT YEAR	= 2019 AADT = NA	FINANCIAL PROJECT ID	SHEET NO.
ESTIMATED OPENING YEAR	= 2020 AADT = 57,400		
ESTIMATED DESIGN YEAR	= 2040 AADT = 78,800		
K = 9%	D = 61.2% AM PEAK T = 3.8% (24 HOUR)		
	60% PM PEAK		
DESIGN HOUR T	= 1.9%	439891-1-22-02	16
DESIGN SPEED	= 40 MPH		

CURRENT YEAR = 2019 AADT = NA
 ESTIMATED OPENING YEAR = 2020 AADT = 57,400
 ESTIMATED DESIGN YEAR = 2040 AADT = 78,800
 K = 9% D = 61.2% AM PEAK T = 3.8% (24 HOUR)
 60% PM PEAK
 DESIGN HOUR T = 1.9%
 DESIGN SPEED = 40 MPH

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>16</i>

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>16</i>

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

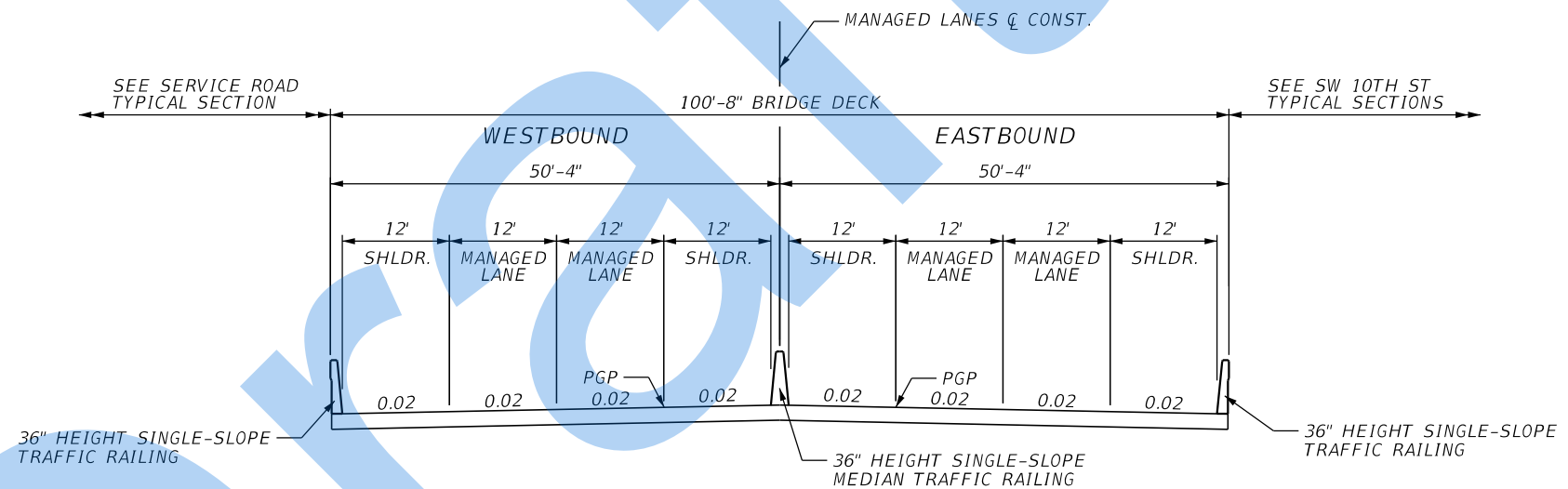
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 16



SR 869 - MANAGED LANES
SW 10TH STREET CONNECTOR
BRIDGES OVER POWERLINE ROAD
AND SERVICE ROAD
STA. 96+96.64 TO STA. 99+57.31
STA. 103+49.35 TO STA. 104+91.43
MP 21.497 TO MP 0.025
MP 0.099 TO MP 0.126

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 57,200
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	17

PROJECT CONTROLS		TYPICAL SECTION No. 17	
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div></div><div>C3R : SUBURBAN RES.</div></div><div><div>X</div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div>		<div><div><div><div><div></div><div>58'-8"</div></div><div><div>WESTBOUND</div><div><div><div>10'</div><div>12'</div><div>12'</div><div>12'</div><div>10'</div></div><div><div>SHLDR.</div><div>LANE</div><div>LANE</div><div>LANE</div><div>SHLDR.</div></div><div><div>0.02</div><div>0.02</div><div>0.02</div><div>PGP 0.02</div><div>0.02</div></div></div></div><div><div>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</div><div>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</div></div></div><div><div>3-LANE WESTBOUND RAMP</div><div>FROM SW 10TH ST TO SAWGRASS EXPRESSWAY</div><div>BRIDGE OVER SR 869 - MANAGED LANES</div><div>STA. 54+13.56 TO STA. 63+96.71</div><div>MP 20.685 TO MP 20.872</div></div></div></div>	
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div>X</div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div>			
<div>HIGHWAY SYSTEM</div> <div><div><div></div><div>NATIONAL HIGHWAY SYSTEM</div></div><div><div>X</div><div>STRATEGIC INTERMODAL SYSTEM</div></div><div><div>X</div><div>STATE HIGHWAY SYSTEM</div></div><div><div></div><div>OFF-STATE HIGHWAY SYSTEM</div></div></div>			
<div>ACCESS CLASSIFICATION</div> <div><div><div>X</div><div>1 - FREEWAY</div></div><div><div></div><div>2 - RESTRICTIVE w/Service Roads</div></div><div><div></div><div>3 - RESTRICTIVE w/660 ft. Connection Spacing</div></div><div><div></div><div>4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div></div><div><div></div><div>5 - RESTRICTIVE w/440 ft. Connection Spacing</div></div><div><div></div><div>6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div></div><div><div></div><div>7 - BOTH MEDIAN TYPES</div></div></div>			
<div>CRITERIA</div> <div><div><div>X</div><div>NEW CONSTRUCTION / RECONSTRUCTION</div></div><div><div></div><div>RESURFACING (LA FACILITIES)</div></div><div><div></div><div>RRR (ARTERIALS & COLLECTORS)</div></div></div>		<div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2016 AADT = 38,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 31,800</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 46,600</div><div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div><div>61.2% PM PEAK</div><div>DESIGN HOUR T = 1.3%</div><div>DESIGN SPEED = 35 MPH</div></div></div> <div><div>NOT TO SCALE</div><div><div><div>FINANCIAL PROJECT ID</div><div>439891-1-22-02</div></div><div><div>SHEET NO.</div><div>18</div></div></div></div>	
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>			

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

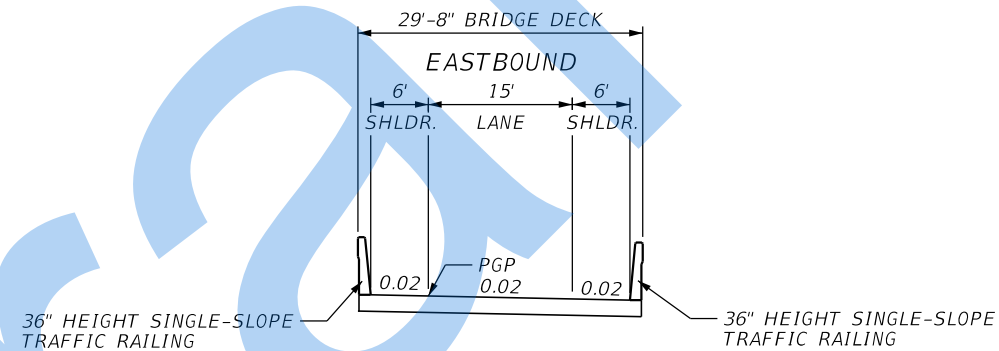
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 18



EASTBOUND ENTRANCE RAMP
BRIDGE OVER EASTBOUND SR 869 - MANAGED LANES
STA. 109+28.90 TO STA. 115+32.45
MP 0.209 TO MP 0.323

TRAFFIC DATA

CURRENT YEAR = 2016 AADT = 46,000
ESTIMATED OPENING YEAR = 2020 AADT = 14,000
ESTIMATED DESIGN YEAR = 2040 AADT = 18,800
K = 9% D = 60% AM PEAK T = 1.3% (24 HOUR)
58.5% PM PEAK
DESIGN HOUR T = 0.6%
DESIGN SPEED = 35 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	19

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

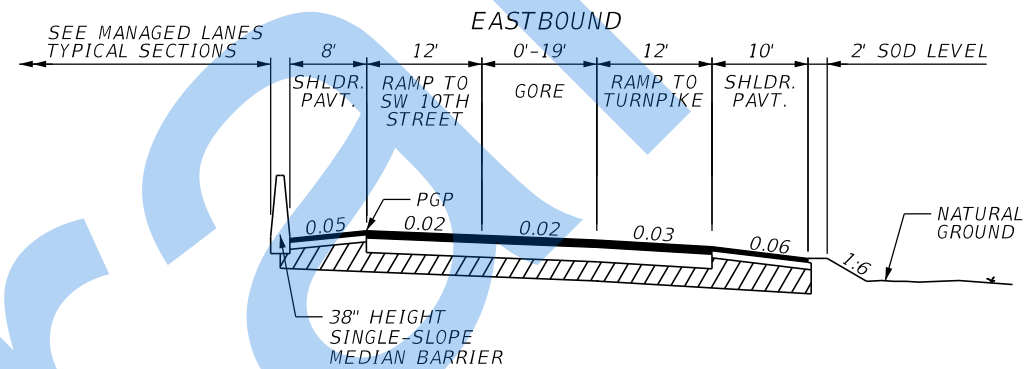
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 19



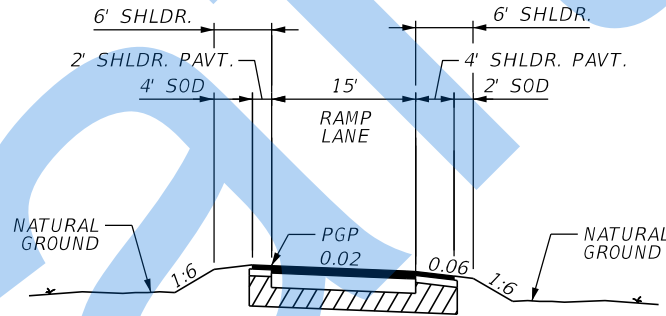
EASTBOUND RAMP FROM LYONS ROAD
2-LANE RAMP
STA. 42+67.02 TO STA. 48+83.25
MP 20.468 TO MP 20.585

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 57,200
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	20

PROJECT CONTROLS		TYPICAL SECTION No. 20					
<div>CONTEXT CLASSIFICATION</div> <div><div><div>() C1 : NATURAL</div><div>() C2 : RURAL</div><div>() C2T : RURAL TOWN</div><div>() C3R : SUBURBAN RES.</div><div>(X) N/A : L.A. FACILITY</div></div><div><div>() C3C : SUBURBAN COMM.</div><div>() C4 : URBAN GENERAL</div><div>() C5 : URBAN CENTER</div><div>() C6 : URBAN CORE</div></div></div>		<div></div> <div>EB TO NB LOOP RAMP TO TURNPIKE 1-LANE RAMP STA. 48+83.25 TO STA. 50+38.02 MP 20.585 TO MP 20.614</div>					
<div>FUNCTIONAL CLASSIFICATION</div> <div><div>() INTERSTATE</div><div>(X) FREEWAY/EXPWY.</div><div>() PRINCIPAL ARTERIAL</div><div>() MINOR ARTERIAL</div></div> <div><div>() MAJOR COLLECTOR</div><div>() MINOR COLLECTOR</div><div>() LOCAL</div></div>							
<div>HIGHWAY SYSTEM</div> <div><div>() NATIONAL HIGHWAY SYSTEM</div><div>(X) STRATEGIC INTERMODAL SYSTEM</div><div>(X) STATE HIGHWAY SYSTEM</div><div>() OFF-STATE HIGHWAY SYSTEM</div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div>(X) 1 - FREEWAY</div><div>() 2 - RESTRICTIVE w/Service Roads</div><div>() 3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>() 5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>() 7 - BOTH MEDIAN TYPES</div></div>							
<div>CRITERIA</div> <div><div>(X) NEW CONSTRUCTION / RECONSTRUCTION</div><div>() RESURFACING (LA FACILITIES)</div><div>() RRR (ARTERIALS & COLLECTORS)</div></div>							
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>		<div>TRAFFIC DATA</div> <div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 43,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 57,200</div><div>K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 2.7%</div><div>DESIGN SPEED = 60 MPH</div></div> <div>NOT TO SCALE</div> <table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>21</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	21
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	21						

PROJECT CONTROLS		TYPICAL SECTION No. 21					
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div></div><div>C3R : SUBURBAN RES.</div></div><div><div>X</div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div>		<div><div><div><div><div></div><div>WESTBOUND</div></div><div><div><div><div><div>2' SOD LEVEL</div><div>10'</div><div>12'</div><div>0'-18'</div><div>12'</div><div>8'</div><div>SEE MANAGED LANES TYPICAL SECTIONS</div></div><div><div><div>SHLDR. PAVT.</div><div>LANE TO LYONS ROAD</div><div>GORE</div><div>LANE FROM SW 10TH STREET</div><div>SHLDR. PAVT.</div></div><div><div><div>0.06</div><div>0.03</div><div>0.02</div><div>PGP 0.02</div><div>0.05</div></div><div><div><div>NATURAL GROUND</div><div>1.6</div></div><div><div>38" HEIGHT SINGLE-SLOPE BARRIER</div></div></div></div></div><div><div>WESTBOUND RAMP FROM FLORIDA'S TURNPIKE</div><div>2-LANE RAMP</div><div>STA. 42+22.72 TO STA. 47+85.90</div><div>MP 20.460 TO MP 20.567</div></div></div></div></div></div></div></div>					
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div>X</div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div>							
<div>HIGHWAY SYSTEM</div> <div><div><div></div><div>NATIONAL HIGHWAY SYSTEM</div></div><div><div>X</div><div>STRATEGIC INTERMODAL SYSTEM</div></div><div><div>X</div><div>STATE HIGHWAY SYSTEM</div></div><div><div></div><div>OFF-STATE HIGHWAY SYSTEM</div></div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div><div>X</div><div>1 - FREEWAY</div></div><div><div></div><div>2 - RESTRICTIVE w/Service Roads</div></div><div><div></div><div>3 - RESTRICTIVE w/660 ft. Connection Spacing</div></div><div><div></div><div>4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div></div><div><div></div><div>5 - RESTRICTIVE w/440 ft. Connection Spacing</div></div><div><div></div><div>6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div></div><div><div></div><div>7 - BOTH MEDIAN TYPES</div></div></div>							
<div>CRITERIA</div> <div><div><div>X</div><div>NEW CONSTRUCTION / RECONSTRUCTION</div></div><div><div></div><div>RESURFACING (LA FACILITIES)</div></div><div><div></div><div>RRR (ARTERIALS & COLLECTORS)</div></div></div>							
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>		<div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 43,000</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 57,200</div><div>K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 2.7%</div><div>DESIGN SPEED = 60 MPH</div></div><div><div>NOT TO SCALE</div><table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>22</td></tr></table></div></div>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	22
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	22						

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

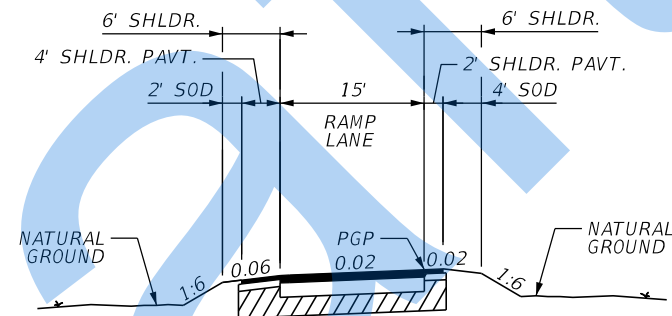
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 22



WESTBOUND RAMP FROM FLORIDA'S TURNPIKE
1-LANE RAMP
STA. 47+85.90 TO STA. 54+01.22
MP 20.567 TO MP 20.683

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 43,000
ESTIMATED DESIGN YEAR = 2040 AADT = 57,200
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH

NOT TO SCALE

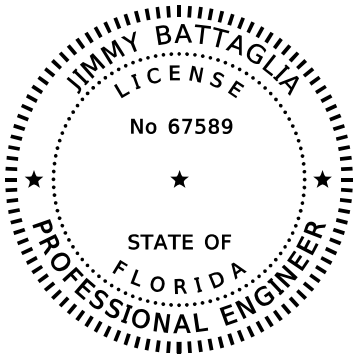
<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	23

Without Powerline Road Ramps Alternative

Draft

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

APPROVED BY:



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED.
THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

RS&H, INC.
3125 W COMMERCIAL BLVD SUITE 130
FORT LAUDERDALE, FL 33309
CERTIFICATE OF AUTHORIZATION: 5620
JIMMY BATTAGLIA, P.E. NO. 67589

FINANCIAL PROJECT ID 439891-1-22-02

BROWARD COUNTY (86012)

STATE ROAD NO. 869

SW 10TH STREET CONNECTOR

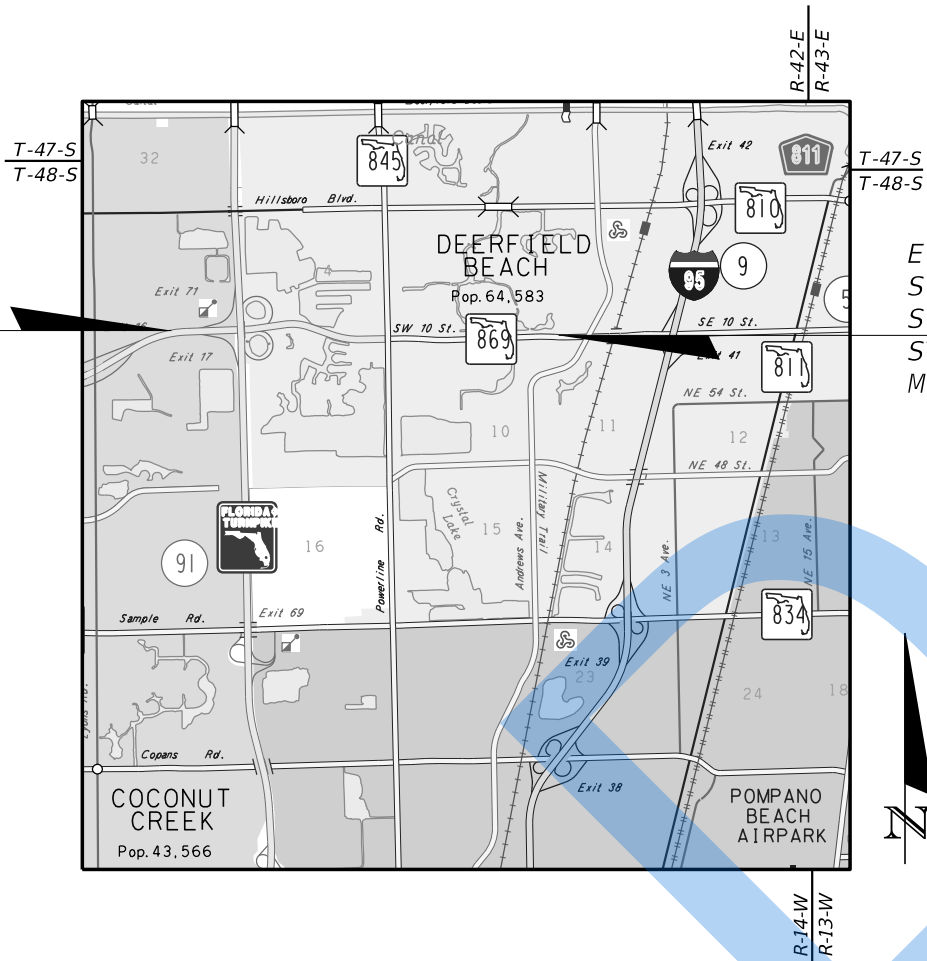
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

TYPICAL SECTION PACKAGE

SHEET NO	SHEET DESCRIPTION
1	COVER SHEET
2	SAWGRASS EXPRESSWAY
3	SR 869 - MANAGED LANES - RAMP TO SW 10 STREET - RAMP FROM LYONS
4 - 7	SR 869 - MANAGED LANES
8 - 9	SR 869 - EASTBOUND SW 10TH STREET
10 - 11	SR 869 - SW 10TH STREET
12	SR 845 - POWERLINE ROAD
13	SERVICE ROAD
14	3-LANE WESTBOUND RAMP
15	SR 869 - MANAGED LANES - SW 10TH STREET CONNECTOR BRIDGES OVER POWERLINE ROAD AND SERVICE ROAD
16	3-LANE WESTBOUND RAMP FROM SW 10TH STREET TO SAWGRASS EXPRESSWAY BRIDGE OVER SR 869 - MANAGED LANES
17	EASTBOUND RAMP FROM LYONS ROAD - 2-LANE RAMP
18	EASTBOUND RAMP FROM LYONS ROAD - 1-LANE RAMP
19	WESTBOUND RAMP FROM FLORIDA'S TURNPIKE - 2-LANE RAMP
20	WESTBOUND RAMP FROM FLORIDA'S TURNPIKE - 1-LANE RAMP

BEGIN PROJECT
SR 869
SW 10TH STREET
STA 31+30.60
MP 20.253

END PROJECT
SR 869
SW 10TH STREET
STA 163+31.43
MP 1.232



TYPICAL SECTION CONCURRENCE

JOHN OLSON, P.E.
FDOT DISTRICT DESIGN ENGINEER

RAMON OTERO, P.E.
FDOT DISTRICT STRUCTURES
DESIGN ENGINEER

CESAR J. MARTINEZ, P.E.
FDOT DISTRICT PROJECT
DEVELOPMENT MANAGER

FLORIDA'S TURNPIKE CONCURRENCE:

FHWA CONCURRENCE:

DESIGN SPEED AND POSTED SPEED CONCURRENCE:

CONTEXT CLASSIFICATION
CONCURRENCE:

FLORIDA'S TURNPIKE TRANSPORTATION ENGINEER
TYPICAL SECTIONS 1, 2, 3, 4, 17, 18, 19, & 20

FHWA TRANSPORTATION ENGINEER

MARK PLASS, P.E.
FDOT DISTRICT TRAFFIC
OPERATIONS ENGINEER

JOHN OLSON, P.E.
FDOT DISTRICT DESIGN ENGINEER

LAWRENCE E. WALLACE
FDOT DISTRICT BICYCLE/PEDSTRIAN/
COMPLETE STREETS COORDINATOR
TYPICAL SECTIONS 9, 10, 11, & 12

SHEET
NO.

1

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

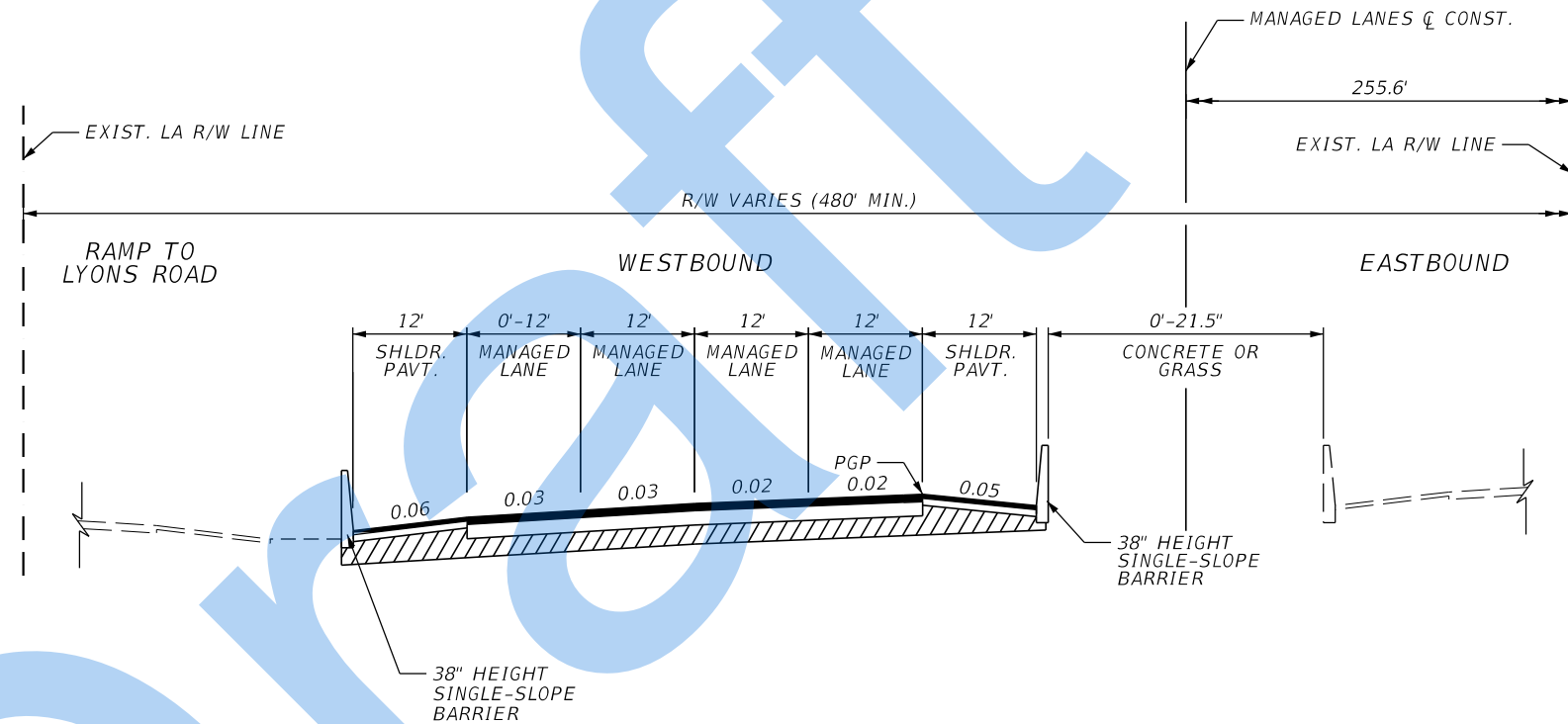
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 1



SAWGRASS EXPRESSWAY
STA. 31+30.60 TO STA. 42+67.02
MP 20.523 TO MP 20.468

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	2

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

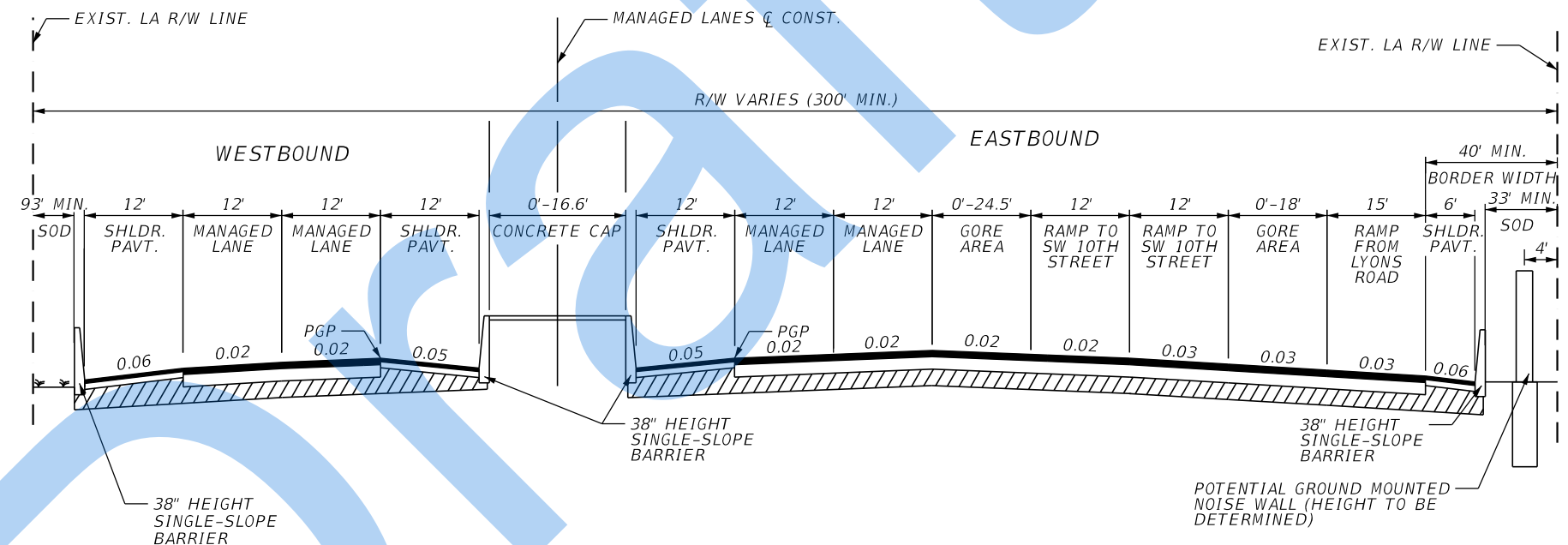
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 2



SR 869 - MANAGED LANES
RAMPS TO SW 10TH STREET
RAMP FROM LYONS ROAD
STA. 42+67.02 TO STA. 56+82.65
MP 20.468 TO MP 20.736

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	3

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

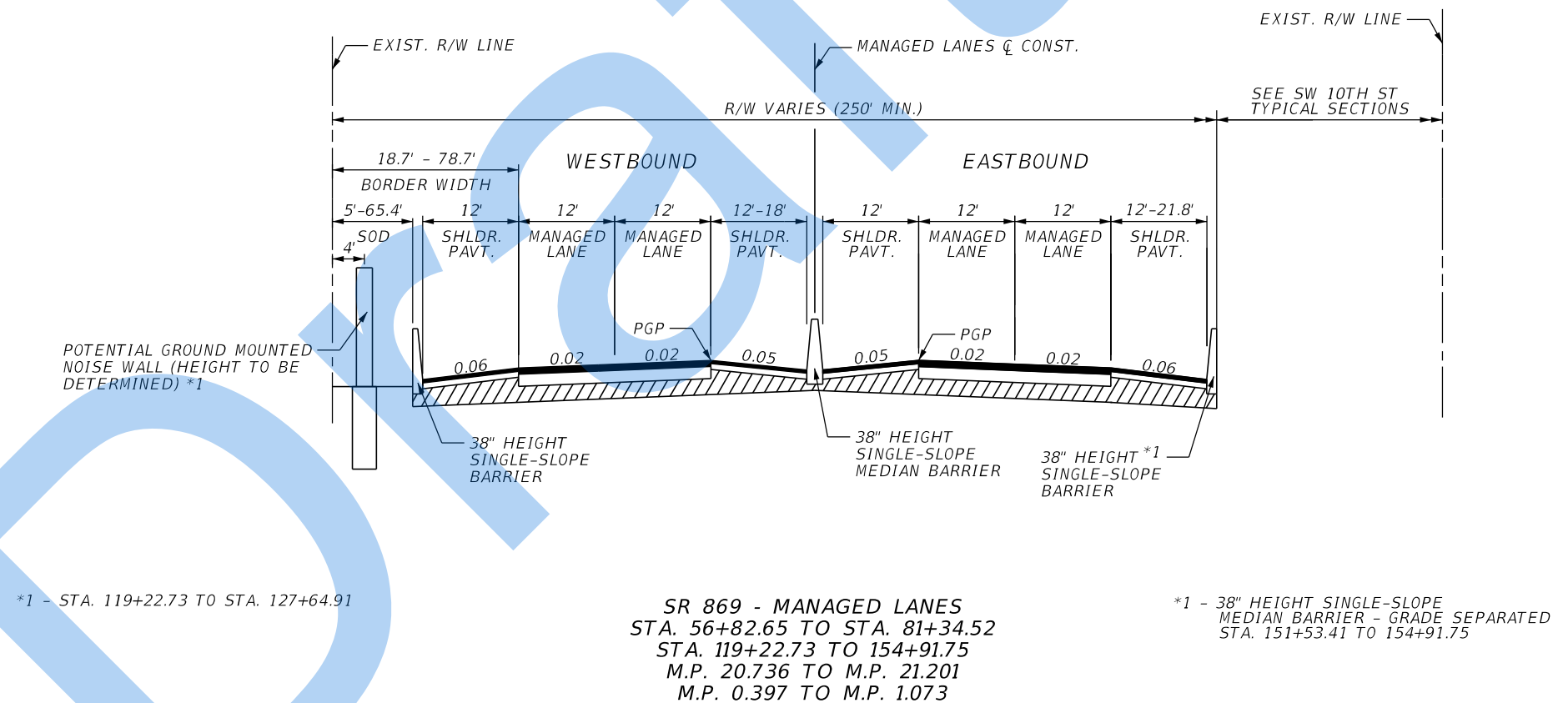
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

1. BORDER WIDTH

TYPICAL SECTION No. 3



TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	4

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

- FUNCTIONAL CLASSIFICATION**

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

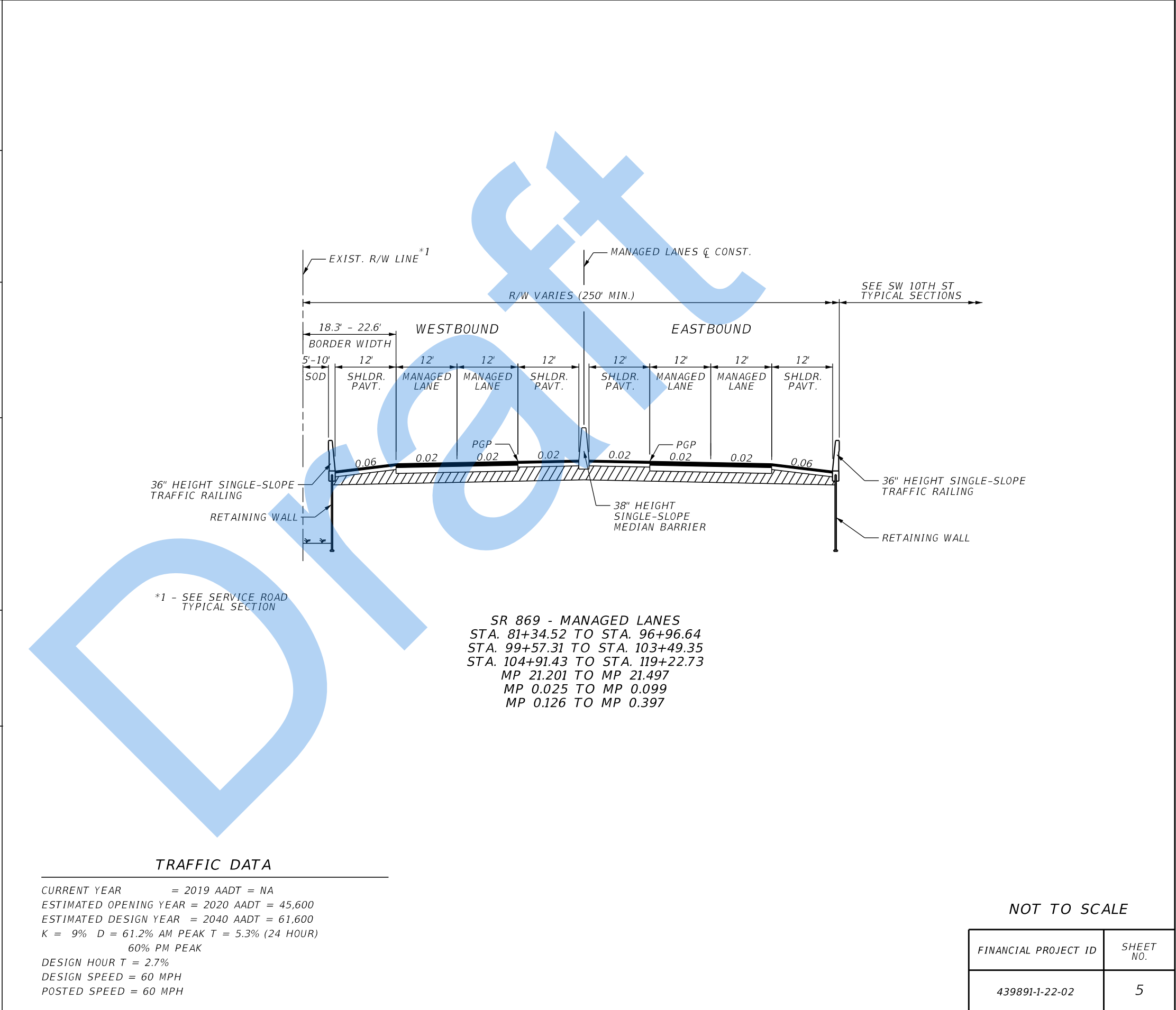
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- (X) 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - () 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- # *POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:*
-
- ## *1. BORDER WIDTH*

TYPICAL SECTION No. 4



CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

SR 869 - MANAGED LANES
STA. 81+34.52 TO STA. 96+96.64
STA. 99+57.31 TO STA. 103+49.35
STA. 104+91.43 TO STA. 119+22.73
MP 21.201 TO MP 21.497
MP 0.025 TO MP 0.099
MP 0.126 TO MP 0.397

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	5

430801.1.33.03	5
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5

9/11/2020 1:02:08 PM

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

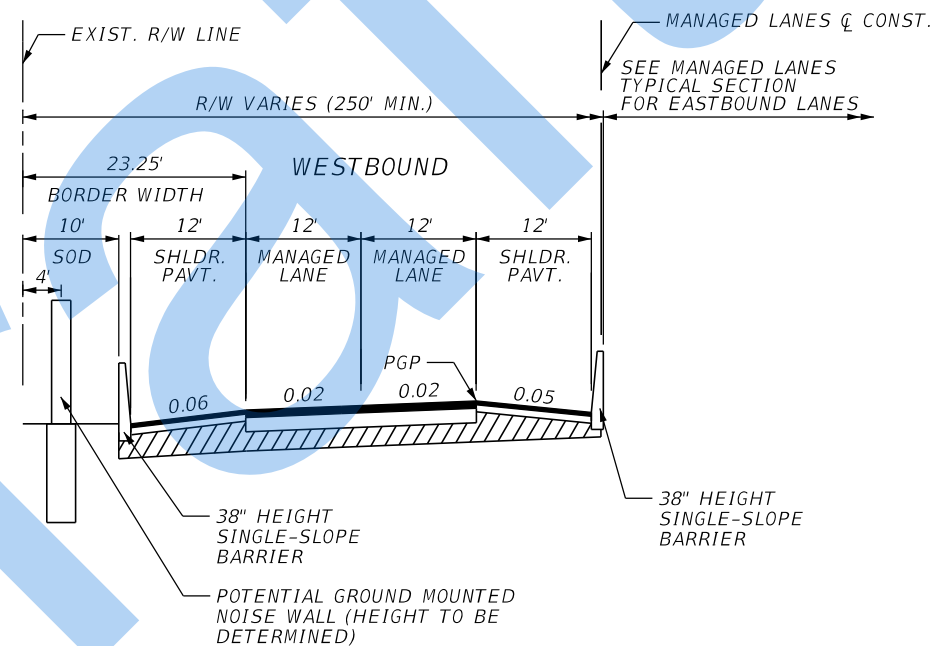
CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

1. BORDER WIDTH

TYPICAL SECTION No. 5



SR 869 - MANAGED LANES
STA. 154+91.75 TO STA. 163+31.43
M.P. 1.073 TO M.P. 1.232

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	6

<div>PROJECT CONTROLS</div> <div>CONTEXT CLASSIFICATION</div> <div>FUNCTIONAL CLASSIFICATION</div> <div>HIGHWAY SYSTEM</div> <div>ACCESS CLASSIFICATION</div> <div>CRITERIA</div> <div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>	<div>TYPICAL SECTION No. 6</div> <div><p>SEE SR 369 - WESTBOUND MANAGED LANES TYPICAL SECTION</p><p>62'-8"</p><p>EASTBOUND</p><p>12' 12' 12' 12' 12'</p><p>SHLDR. PAVT. MANAGED LANE MANAGED LANE AUXILIARY LANE SHLDR. PAVT.</p><p>PGP 0.02 0.02 0.02 0.03 0.06</p><p>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</p><p>RETAINING WALL</p><p>RETAINING WALL</p><p>36" HEIGHT SINGLE-SLOPE TRAFFIC RAILING</p><p>SEE SW 10TH ST TYPICAL SECTIONS</p><p>SR 869 - EASTBOUND MANAGED LANES STA. 154+91.75 TO STA. 163+31.43 MP 1.073 TO MP 1.232</p></div> <div><div>TRAFFIC DATA</div><div><div>CURRENT YEAR = 2019 AADT = NA</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 45,600</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 61,600</div><div>K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)</div><div>60% PM PEAK</div><div>DESIGN HOUR T = 2.7%</div><div>DESIGN SPEED = 60 MPH</div><div>POSTED SPEED = 60 MPH</div></div></div> <div><div>NOT TO SCALE</div><table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>7</td></tr></table></div>	FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	7
FINANCIAL PROJECT ID	SHEET NO.				
439891-1-22-02	7				

PROJECT CONTROLS		TYPICAL SECTION No. 7					
CONTEXT CLASSIFICATION		<div></div>					
FUNCTIONAL CLASSIFICATION							
HIGHWAY SYSTEM							
ACCESS CLASSIFICATION							
CRITERIA		<div><p>SR 869 - EASTBOUND SW 10TH STREET STA. 56+64.54 TO STA. 59+54.54 MP 20.733 TO MP 20.788</p></div>					
POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:							
TRAFFIC DATA		NOT TO SCALE					
<div><p>CURRENT YEAR = 2016 AADT = 38,000 ESTIMATED OPENING YEAR = 2020 AADT = 29,200 ESTIMATED DESIGN YEAR = 2040 AADT = 42,200 K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR) 61.2% PM PEAK DESIGN HOUR T = 1.3% DESIGN SPEED = 35 MPH POSTED SPEED = 35 MPH</p></div>		<table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>8</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	8
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	8						

PROJECT CONTROLS		TYPICAL SECTION No. 8					
<div>CONTEXT CLASSIFICATION</div> <div><div><div>() C1 : NATURAL</div><div>() C2 : RURAL</div><div>() C2T : RURAL TOWN</div><div>(X) C3R : SUBURBAN RES.</div><div>() N/A : L.A. FACILITY</div></div><div><div>() C3C : SUBURBAN COMM.</div><div>() C4 : URBAN GENERAL</div><div>() C5 : URBAN CENTER</div><div>() C6 : URBAN CORE</div></div></div>							
<div>FUNCTIONAL CLASSIFICATION</div> <div><div>() INTERSTATE</div><div>() FREEWAY/EXPWY.</div><div>(X) PRINCIPAL ARTERIAL</div><div>() MINOR ARTERIAL</div></div> <div><div>() MAJOR COLLECTOR</div><div>() MINOR COLLECTOR</div><div>() LOCAL</div></div>							
<div>HIGHWAY SYSTEM</div> <div><div>() NATIONAL HIGHWAY SYSTEM</div><div>(X) STRATEGIC INTERMODAL SYSTEM</div><div>(X) STATE HIGHWAY SYSTEM</div><div>() OFF-STATE HIGHWAY SYSTEM</div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div>(X) 1 - FREEWAY</div><div>() 2 - RESTRICTIVE w/Service Roads</div><div>() 3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>() 5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>() 7 - BOTH MEDIAN TYPES</div></div>							
<div>CRITERIA</div> <div><div>(X) NEW CONSTRUCTION / RECONSTRUCTION</div><div>() RESURFACING (LA FACILITIES)</div><div>() RRR (ARTERIALS & COLLECTORS)</div></div>							
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>		<div><p>SEE MANAGED LANES TYPICAL SECTION</p><p>R/W VARIES (250' MIN.)</p><p>EASTBOUND</p><p>43'-64.2'</p><p>8'-27' SOD</p><p>11'-12' LANE</p><p>11'-12' LANE</p><p>11'-15' LANE</p><p>0'-11' RIGHT TURN LANE</p><p>175'-37.7' BORDER WIDTH</p><p>15.5'-35.7' SOD</p><p>4'</p><p>POTENTIAL GROUND MOUNTED NOISE WALL (HEIGHT TO BE DETERMINED)</p><p>1:2 MAX. NOT FLATTER THAN 1:6</p><p>TYPE F CURB AND GUTTER</p><p>38" HEIGHT SINGLE-SLOPE BARRIER</p><p>PGP 0.02 0.02 0.03 0.03</p><p>SR 869 - EASTBOUND SW 10TH STREET STA. 59+54.54 TO STA. 68+24.48 MP 20.788 TO MP 20.953</p></div>					
		<div>TRAFFIC DATA</div> <div><div>CURRENT YEAR = 2016 AADT = 38,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 29,200</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 42,200</div><div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div><div>61.2% PM PEAK</div><div>DESIGN HOUR T = 1.3%</div><div>DESIGN SPEED = 35 MPH</div><div>POSTED SPEED = 35 MPH</div></div>					
		<div>NOT TO SCALE</div> <table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>9</td></tr></table>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	9
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	9						

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

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
(X) C3R : SUBURBAN RES.	() C6 : URBAN CORE
() N/A : L.A. FACILITY	

- ### FUNCTIONAL CLASSIFICATION
- | | |
|------------------------|---------------------|
| () INTERSTATE | () MAJOR COLLECTOR |
| () FREEWAY/EXPWY. | () MINOR COLLECTOR |
| (X) PRINCIPAL ARTERIAL | () LOCAL |
| () MINOR ARTERIAL | |

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

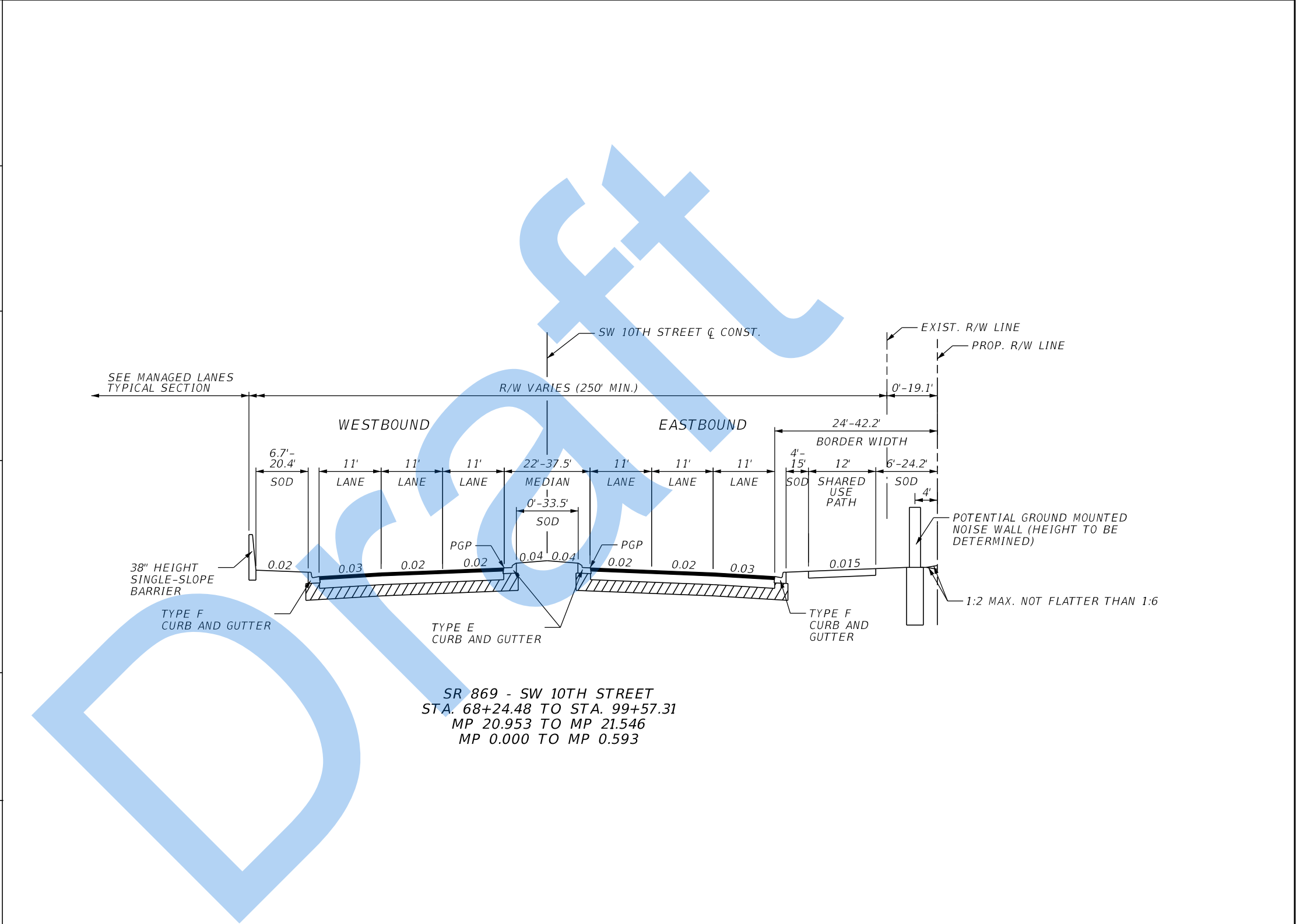
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- () 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:*
-

TYPICAL SECTION No. 9



<div> <div>TRAFFIC DATA</div> <div> <div>CURRENT YEAR = 2016 AADT = 38,000</div> <div>ESTIMATED OPENING YEAR = 2020 AADT = 29,200</div> <div>ESTIMATED DESIGN YEAR = 2040 AADT = 42,200</div> <div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div> <div>61.2% PM PEAK</div> <div>DESIGN HOUR T = 1.3%</div> <div>DESIGN SPEED = 35 MPH</div> <div>POSTED SPEED = 35 MPH</div> </div> </div>		<div> <div>NOT TO SCALE</div> <div> <table> <tr> <td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr> <tr> <td>439891-1-22-02</td><td>10</td></tr> </table> </div> </div>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	10
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	10						

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<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>10</i>

PROJECT CONTROLS		TYPICAL SECTION No. 10					
<div>CONTEXT CLASSIFICATION</div> <div><div><div>() C1 : NATURAL</div><div>() C2 : RURAL</div><div>() C2T : RURAL TOWN</div><div>(X) C3R : SUBURBAN RES.</div><div>() N/A : L.A. FACILITY</div></div><div><div>() C3C : SUBURBAN COMM.</div><div>() C4 : URBAN GENERAL</div><div>() C5 : URBAN CENTER</div><div>() C6 : URBAN CORE</div></div></div>		<div></div> <div><div>SR 869 - SW 10TH STREET</div><div>STA. 99+57.31 TO STA. 159+50.20</div><div>MP 0.593 TO MP 1.728</div></div>					
<div>FUNCTIONAL CLASSIFICATION</div> <div><div>() INTERSTATE</div><div>() FREEWAY/EXPWY.</div><div>(X) PRINCIPAL ARTERIAL</div><div>() MINOR ARTERIAL</div></div> <div><div>() MAJOR COLLECTOR</div><div>() MINOR COLLECTOR</div><div>() LOCAL</div></div>							
<div>HIGHWAY SYSTEM</div> <div><div>() NATIONAL HIGHWAY SYSTEM</div><div>(X) STRATEGIC INTERMODAL SYSTEM</div><div>(X) STATE HIGHWAY SYSTEM</div><div>() OFF-STATE HIGHWAY SYSTEM</div></div>							
<div>ACCESS CLASSIFICATION</div> <div><div>() 1 - FREEWAY</div><div>() 2 - RESTRICTIVE w/Service Roads</div><div>(X) 3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>() 5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>() 7 - BOTH MEDIAN TYPES</div></div>							
<div>CRITERIA</div> <div><div>(X) NEW CONSTRUCTION / RECONSTRUCTION</div><div>() RESURFACING (LA FACILITIES)</div><div>() RRR (ARTERIALS & COLLECTORS)</div></div>							
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>		<div>TRAFFIC DATA</div> <div><div>CURRENT YEAR = 2016 AADT = 46,000</div><div>ESTIMATED OPENING YEAR = 2020 AADT = 25,800</div><div>ESTIMATED DESIGN YEAR = 2040 AADT = 36,000</div><div>K = 9% D = 61.2% AM PEAK T = 1.7% (24 HOUR)</div><div>58.5% PM PEAK</div><div>DESIGN HOUR T = 0.8%</div><div>DESIGN SPEED = 35 MPH</div><div>POSTED SPEED = 35 MPH</div></div> <div><div>NOT TO SCALE</div><table><tr><td>FINANCIAL PROJECT ID</td><td>SHEET NO.</td></tr><tr><td>439891-1-22-02</td><td>11</td></tr></table></div>		FINANCIAL PROJECT ID	SHEET NO.	439891-1-22-02	11
FINANCIAL PROJECT ID	SHEET NO.						
439891-1-22-02	11						

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
(X) C3R : SUBURBAN RES.	() C6 : URBAN CORE
() N/A : L.A. FACILITY	

- ### FUNCTIONAL CLASSIFICATION
- | | |
|------------------------|---------------------|
| () INTERSTATE | () MAJOR COLLECTOR |
| () FREEWAY/EXPWY. | () MINOR COLLECTOR |
| (X) PRINCIPAL ARTERIAL | () LOCAL |
| () MINOR ARTERIAL | |

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

() STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

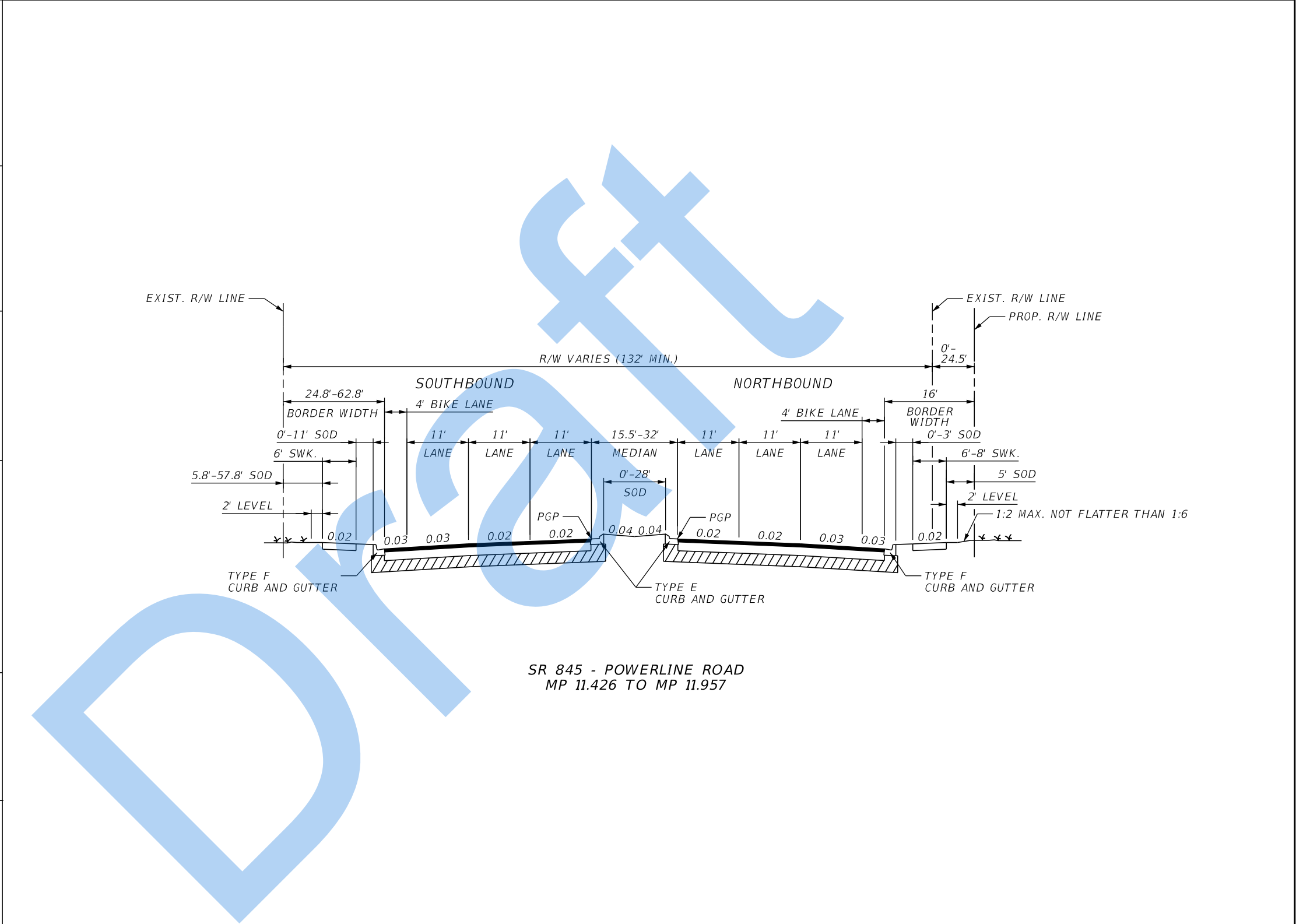
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- () 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - (X) 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- ## *POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:*
-
- 1. BIKE LANE WIDTH*
 - 2. BORDER WIDTH*
 - 3. MEDIAN WIDTH*

TYPICAL SECTION No. 11



TRAFFIC DATA		NOT TO SCALE	
CURRENT YEAR	= 2016 AADT = 39,000	FINANCIAL PROJECT ID	SHEET NO.
ESTIMATED OPENING YEAR	= 2020 AADT = 46,000		
ESTIMATED DESIGN YEAR	= 2040 AADT = 46,000		
K = 9% D = 58% AM PEAK T = 5-7% (24 HOUR)			
56% PM PEAK			
DESIGN HOUR T = 2.5-3.5%		439891-1-22-02	12
DESIGN SPEED = 45 MPH			
POSTED SPEED = 45 MPH			

CURRENT YEAR = 2016 AADT = 39,000
ESTIMATED OPENING YEAR = 2020 AADT = 46,000
ESTIMATED DESIGN YEAR = 2040 AADT = 46,000
K = 9% D = 58% AM PEAK T = 5-7% (24 HOUR)
56% PM PEAK
DESIGN HOUR T = 2.5-3.5%
DESIGN SPEED = 45 MPH
POSTED SPEED = 45 MPH

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
<i>439891-1-22-02</i>	<i>12</i>

PROJECT CONTROLS		TYPICAL SECTION No. 12	
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div>X</div><div>C3R : SUBURBAN RES.</div></div><div><div></div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div> <tr><td colspan="2"><div>FUNCTIONAL CLASSIFICATION</div><div><div><div><div></div><div>INTERSTATE</div></div><div><div></div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div>X</div><div>LOCAL</div></div></div></div></td></tr>		<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div></div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div>X</div><div>LOCAL</div></div></div></div>	
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div></div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div>X</div><div>LOCAL</div></div></div></div>			

PROJECT CONTROLS		TYPICAL SECTION No. 13	
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>C1 : NATURAL</div><div>C2 : RURAL</div><div>C2T : RURAL TOWN</div><div>C3R : SUBURBAN RES.</div><div>N/A : L.A. FACILITY</div></div><div><div></div><div></div><div></div><div></div></div><div><div>C3C : SUBURBAN COMM.</div><div>C4 : URBAN GENERAL</div><div>C5 : URBAN CENTER</div><div>C6 : URBAN CORE</div></div></div></div></div>		<div></div>	
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div></div><div></div><div></div></div><div><div>INTERSTATE</div><div>FREEWAY/EXPWY.</div><div>PRINCIPAL ARTERIAL</div><div>MINOR ARTERIAL</div></div><div><div></div><div></div><div></div><div></div></div><div><div>MAJOR COLLECTOR</div><div>MINOR COLLECTOR</div><div>LOCAL</div></div></div></div>			
<div>HIGHWAY SYSTEM</div> <div><div><div><div></div><div></div><div></div><div></div></div><div><div>NATIONAL HIGHWAY SYSTEM</div><div>STRATEGIC INTERMODAL SYSTEM</div><div>STATE HIGHWAY SYSTEM</div><div>OFF-STATE HIGHWAY SYSTEM</div></div></div></div>			
<div>ACCESS CLASSIFICATION</div> <div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>1 - FREEWAY</div><div>2 - RESTRICTIVE w/Service Roads</div><div>3 - RESTRICTIVE w/660 ft. Connection Spacing</div><div>4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing</div><div>5 - RESTRICTIVE w/440 ft. Connection Spacing</div><div>6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing</div><div>7 - BOTH MEDIAN TYPES</div></div></div></div>			
<div>CRITERIA</div> <div><div><div><div></div><div></div><div></div></div><div><div>NEW CONSTRUCTION / RECONSTRUCTION</div><div>RESURFACING (LA FACILITIES)</div><div>RRR (ARTERIALS & COLLECTORS)</div></div></div></div>			
<div>POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION:</div>		<div><div>TRAFFIC DATA</div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>CURRENT YEAR</div><div>ESTIMATED OPENING YEAR</div><div>ESTIMATED DESIGN YEAR</div><div>K = 9% D = 61.2% AM PEAK T = 2.7% (24 HOUR)</div><div>61.2% PM PEAK</div><div>DESIGN HOUR T = 1.3%</div><div>DESIGN SPEED = 35 MPH</div></div></div></div></div>	
		<div><div>NOT TO SCALE</div><div><div><div></div><div></div></div><div><div>FINANCIAL PROJECT ID</div><div>439891-1-22-02</div></div><div><div>SHEET NO.</div><div>14</div></div></div></div>	

PROJECT CONTROLS

CONTEXT CLASSIFICATION	
() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

- FUNCTIONAL CLASSIFICATION**

<p>() INTERSTATE</p> <p>(X) FREEWAY/EXPWY.</p> <p>() PRINCIPAL ARTERIAL</p> <p>() MINOR ARTERIAL</p>	<p>() MAJOR COLLECTOR</p> <p>() MINOR COLLECTOR</p> <p>() LOCAL</p>
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HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM

(X) STRATEGIC INTERMODAL SYSTEM

(X) STATE HIGHWAY SYSTEM

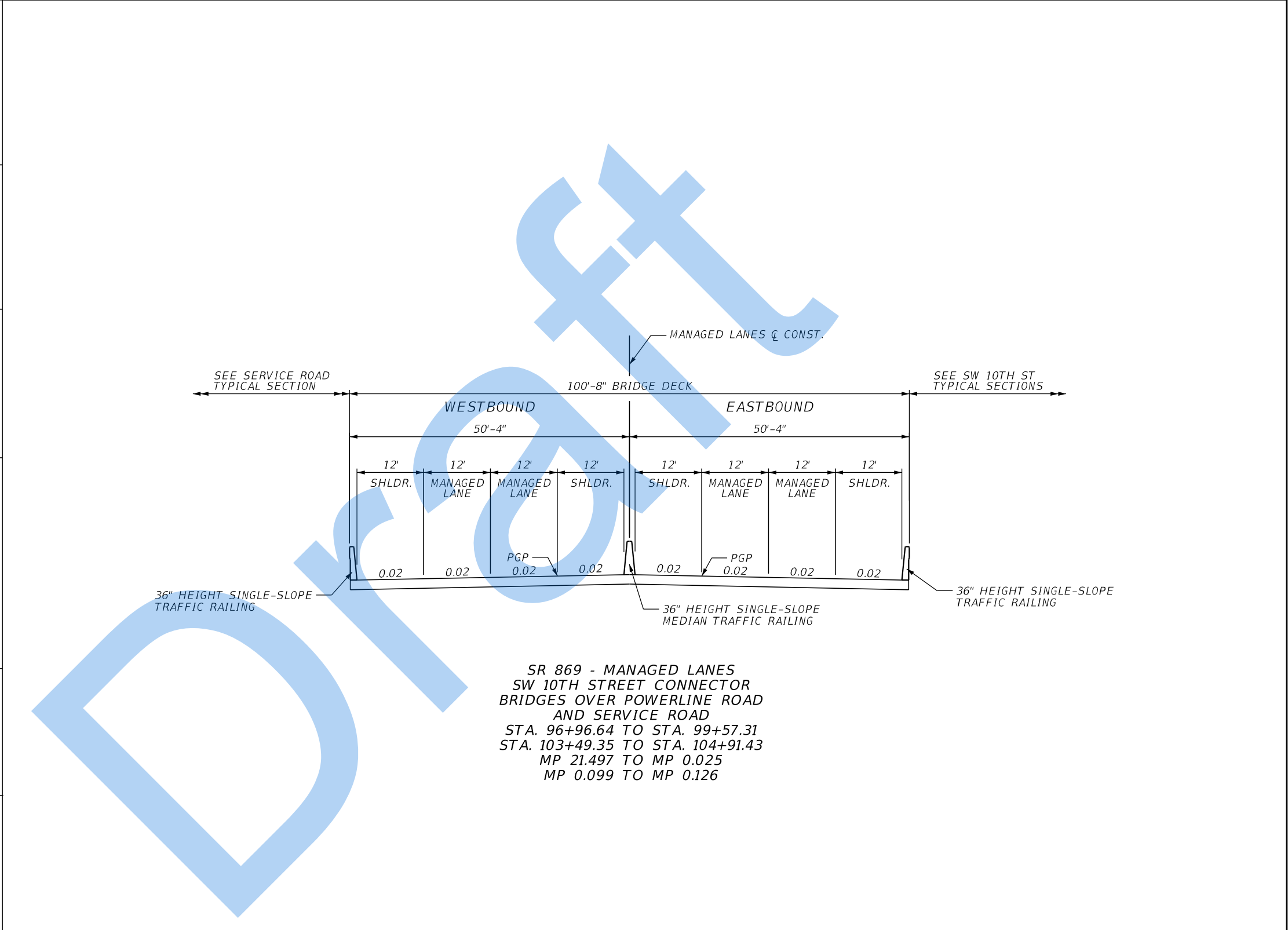
() OFF-STATE HIGHWAY SYSTEM

- ## ACCESS CLASSIFICATION
- (X) 1 - FREEWAY
 - () 2 - RESTRICTIVE w/Service Roads
 - () 3 - RESTRICTIVE w/660 ft. Connection Spacing
 - () 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
 - () 5 - RESTRICTIVE w/440 ft. Connection Spacing
 - () 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
 - () 7 - BOTH MEDIAN TYPES

<u>CRITERIA</u>	
(X)	NEW CONSTRUCTION / RECONSTRUCTION
()	RESURFACING (LA FACILITIES)
()	RRR (ARTERIALS & COLLECTORS)

- POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:*
-

TYPICAL SECTION No. 14



TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH
POSTED SPEED = 60 MPH

FINANCIAL PROJECT ID	SHEET NO.
439891-1-22-02	15

<div>PROJECT CONTROLS</div> <div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div></div><div>C3R : SUBURBAN RES.</div></div><div><div>X</div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div> <div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div></div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div>

HIGHWAY SYSTEM

NATIONAL HIGHWAY SYSTEM

X

STRATEGIC INTERMODAL SYSTEM

X

STATE HIGHWAY SYSTEM

OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

X

1 - FREEWAY

2 - RESTRICTIVE w/Service Roads

3 - RESTRICTIVE w/660 ft. Connection Spacing

4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing

5 - RESTRICTIVE w/440 ft. Connection Spacing

6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing

7 - BOTH MEDIAN TYPES

CRITERIA

X

NEW CONSTRUCTION / RECONSTRUCTION

RESURFACING (LA FACILITIES)

RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

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

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

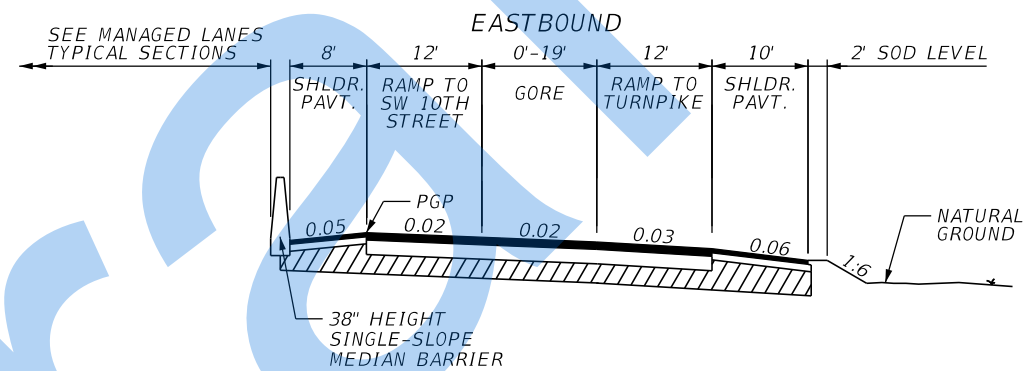
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
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() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 16



EASTBOUND RAMP FROM LYONS ROAD
2-LANE RAMP
STA. 42+67.02 TO STA. 48+83.25
MP 20.468 TO MP 20.585

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	17

PROJECT CONTROLS

CONTEXT CLASSIFICATION

() C1 : NATURAL	() C3C : SUBURBAN COMM.
() C2 : RURAL	() C4 : URBAN GENERAL
() C2T : RURAL TOWN	() C5 : URBAN CENTER
() C3R : SUBURBAN RES.	() C6 : URBAN CORE
(X) N/A : L.A. FACILITY	

FUNCTIONAL CLASSIFICATION

() INTERSTATE	() MAJOR COLLECTOR
(X) FREEWAY/EXPWY.	() MINOR COLLECTOR
() PRINCIPAL ARTERIAL	() LOCAL
() MINOR ARTERIAL	

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

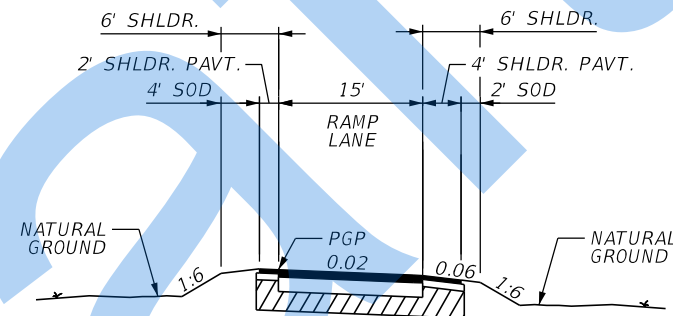
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
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() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 17



EB TO NB LOOP RAMP TO TURNPIKE
1-LANE RAMP
STA. 48+83.25 TO STA. 50+38.02
MP 20.585 TO MP 20.614

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	18

PROJECT CONTROLS

CONTEXT CLASSIFICATION

()	C1 : NATURAL	()	C3C : SUBURBAN COMM.
()	C2 : RURAL	()	C4 : URBAN GENERAL
()	C2T : RURAL TOWN	()	C5 : URBAN CENTER
()	C3R : SUBURBAN RES.	()	C6 : URBAN CORE
(X)	N/A : L.A. FACILITY		

FUNCTIONAL CLASSIFICATION

()	INTERSTATE	()	MAJOR COLLECTOR
(X)	FREEWAY/EXPWY.	()	MINOR COLLECTOR
()	PRINCIPAL ARTERIAL	()	LOCAL
()	MINOR ARTERIAL		

HIGHWAY SYSTEM

() NATIONAL HIGHWAY SYSTEM
(X) STRATEGIC INTERMODAL SYSTEM
(X) STATE HIGHWAY SYSTEM
() OFF-STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

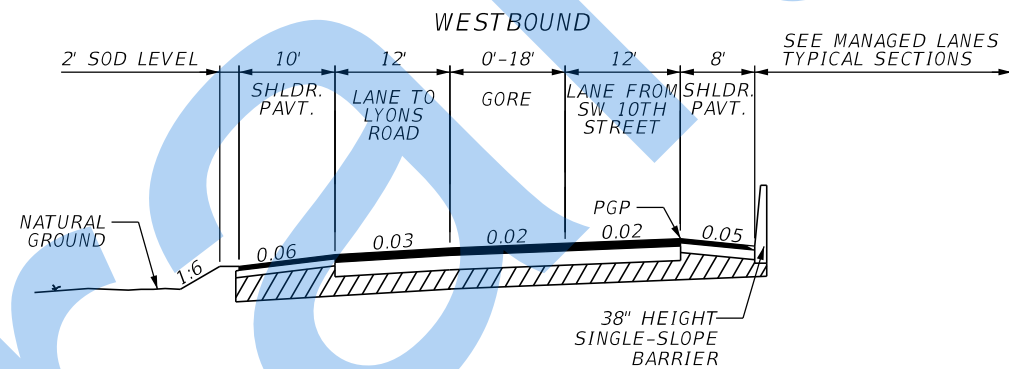
(X) 1 - FREEWAY
() 2 - RESTRICTIVE w/Service Roads
() 3 - RESTRICTIVE w/660 ft. Connection Spacing
() 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
() 5 - RESTRICTIVE w/440 ft. Connection Spacing
() 6 - NON-RESTRICTIVE w/1320 ft. Signal Spacing
() 7 - BOTH MEDIAN TYPES

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
() RESURFACING (LA FACILITIES)
() RRR (ARTERIALS & COLLECTORS)

POTENTIAL EXCEPTIONS AND VARIATIONS
RELATED TO TYPICAL SECTION:

TYPICAL SECTION No. 18



WESTBOUND RAMP FROM FLORIDA'S TURNPIKE
2-LANE RAMP
STA. 42+22.72 TO STA. 47+85.90
MP 20.460 TO MP 20.567

TRAFFIC DATA

CURRENT YEAR = 2019 AADT = NA
ESTIMATED OPENING YEAR = 2020 AADT = 45,600
ESTIMATED DESIGN YEAR = 2040 AADT = 61,600
K = 9% D = 61.2% AM PEAK T = 5.3% (24 HOUR)
60% PM PEAK
DESIGN HOUR T = 2.7%
DESIGN SPEED = 60 MPH

NOT TO SCALE

<i>FINANCIAL PROJECT ID</i>	<i>SHEET NO.</i>
439891-1-22-02	19

PROJECT CONTROLS		TYPICAL SECTION No. 19	
<div>CONTEXT CLASSIFICATION</div> <div><div><div><div><div></div><div>C1 : NATURAL</div></div><div><div></div><div>C2 : RURAL</div></div><div><div></div><div>C2T : RURAL TOWN</div></div><div><div></div><div>C3R : SUBURBAN RES.</div></div><div><div>X</div><div>N/A : L.A. FACILITY</div></div></div><div><div><div></div><div>C3C : SUBURBAN COMM.</div></div><div><div></div><div>C4 : URBAN GENERAL</div></div><div><div></div><div>C5 : URBAN CENTER</div></div><div><div></div><div>C6 : URBAN CORE</div></div></div></div></div> <tr><td colspan="2"><div>FUNCTIONAL CLASSIFICATION</div><div><div><div><div></div><div>INTERSTATE</div></div><div><div>X</div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div></td></tr>		<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div>X</div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div>	
<div>FUNCTIONAL CLASSIFICATION</div> <div><div><div><div></div><div>INTERSTATE</div></div><div><div>X</div><div>FREEWAY/EXPWY.</div></div><div><div></div><div>PRINCIPAL ARTERIAL</div></div><div><div></div><div>MINOR ARTERIAL</div></div></div><div><div><div></div><div>MAJOR COLLECTOR</div></div><div><div></div><div>MINOR COLLECTOR</div></div><div><div></div><div>LOCAL</div></div></div></div>			

Appendix F – Long Range Estimate (LRE)

DRAFT

Full Depressed Alternative

Draft

Date: 3/28/2019 2:27:29 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 24 Project Grand Total**\$804,845,736.04**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 117 - FULLY DEPRESSED, NORTH ALTERNATIVE, WITH RAMPS. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.644 MI
3,400 LF

Description: Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.644
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	8.31	AC	\$33,534.39	\$278,670.78
120-6	EMBANKMENT	10,563.66	CY	\$26.21	\$276,873.53

Earthwork Component Total**\$555,544.31****ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	35,257.54 SY	\$5.84	\$205,904.03
285-709	OPTIONAL BASE,BASE GROUP 09	31,358.51 SY	\$23.39	\$733,475.55
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	5,174.15 TN	\$173.02	\$895,231.43
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	2,587.08 TN	\$136.41	\$352,903.58

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other
Pavement Type
Solid Stripe No. of Paint Applications
Solid Stripe No. of Stripes
Skip Stripe No. of Paint Applications
Skip Stripe No. of Stripes

Value

N
Asphalt
2
4
2
4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	435.00 EA	\$4.46	\$1,940.10
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	5.15 GM	\$886.31	\$4,564.50
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	5.15 GM	\$381.64	\$1,965.45

Peripherals Subcomponent**Description**

Off Road Bike Path(s)
Off Road Bike Path Width L/R
Bike Path Structural Spread Rate
Noise Barrier Wall Length
Noise Barrier Wall Begin Height
Noise Barrier Wall End Height

Value

0
0.00 / 0.00
0
0.00
0.00
0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,400.00 LF	\$193.50	\$657,900.00

Roadway Component Total

\$2,853,884.64

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R
Total Outside Shoulder Perf. Turf Width L/R
Sidewalk Width L/R

Value

0.00 / 8.25
0.00 / 0.00
0.00 / 6.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	3,400.32 LF	\$27.11	\$92,182.68

522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,266.88 SY	\$40.79	\$92,466.04
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Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	6,800.64	LF	\$1.87	\$12,717.20
104-11	FLOATING TURBIDITY BARRIER	161.00	LF	\$15.21	\$2,448.81
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	161.00	LF	\$9.50	\$1,529.50
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	33.00	EA	\$107.47	\$3,546.51
107-1	LITTER REMOVAL	16.39	AC	\$41.03	\$672.48
107-2	MOWING	16.39	AC	\$73.69	\$1,207.78
Shoulder Component Total					\$208,854.20

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	6,800.64	LF	\$29.08	\$197,762.61
570-1-1	PERFORMANCE TURF	3,778.13	SY	\$3.13	\$11,825.55
Median Component Total					\$209,588.16

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	11.59	CY	\$2,500.00	\$28,975.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	24.00	EA	\$6,422.69	\$154,144.56
425-1-451	INLETS, CURB, TYPE J-5, <10'	7.00	EA	\$8,307.63	\$58,153.41
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00	EA	\$5,333.93	\$21,335.72
425-2-41	MANHOLES, P-7, <10'	4.00	EA	\$5,967.25	\$23,869.00
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,712.00	LF	\$166.55	\$285,133.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	152.00	LF	\$245.14	\$37,261.28
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,224.00	LF	\$372.58	\$1,201,197.92
570-1-1	PERFORMANCE TURF	195.78	SY	\$3.13	\$612.79
Drainage Component Total					\$1,810,683.28

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Waterways Boulevard

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$33,534.39	\$39,570.58
120-1	REGULAR EXCAVATION	738.74	CY	\$19.85	\$14,663.99
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.39	\$26,453.39
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.39	\$41,720.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$173.02	\$32,287.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$173.02	\$50,921.52
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$136.41	\$20,072.73
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$136.41	\$12,728.42
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.11	\$12,172.39
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$40.79	\$10,174.66
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Independence Drive

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$33,534.39	\$39,570.58
120-1	REGULAR EXCAVATION	738.74	CY	\$19.85	\$14,663.99
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.39	\$26,453.39
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.39	\$41,720.28
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$173.02	\$32,287.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$173.02	\$50,921.52
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$136.41	\$12,728.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$136.41	\$20,072.73
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.11	\$12,172.39
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$40.79	\$10,174.66
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75
Intersections Component Total					\$618,737.58

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	16.00	AS	\$350.88	\$5,614.08
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,059.25	\$2,118.50
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00	AS	\$6,694.62	\$13,389.24
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	2.00	AS	\$9,107.62	\$18,215.24
Signing Component Total					\$39,337.06

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Waterways Boulevard
Intersection.**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00 LF	\$8.44	\$5,908.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00 LF	\$19.02	\$5,706.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,746.26	\$5,746.26
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00 EA	\$649.86	\$14,296.92
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,608.78	\$2,608.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.89	\$293.40
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00 EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00 EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00 AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$672.27	\$5,378.16
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00 EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$243.95	\$1,951.60
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.44	\$5,908.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$19.02	\$5,706.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,746.26	\$5,746.26
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$649.86	\$14,296.92
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,608.78	\$2,608.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.89	\$293.40
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$672.27	\$5,378.16
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$243.95	\$1,951.60

	PEDESTRIAN DETECTOR, F&I, STANDARD			
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$916,555.44

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description		Value		
Spacing		MIN		
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	3,400.32 LF	\$8.44	\$28,698.70
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	674.91 LF	\$19.02	\$12,836.79
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	23.00 EA	\$649.86	\$14,946.78
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	12,418.90 LF	\$2.48	\$30,798.87
715-4-13	LIGHT POLE COMPLETE, F&I- STD, 40'	23.00 EA	\$6,064.29	\$139,478.67
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	23.00 EA	\$611.83	\$14,072.09
Subcomponent Total				\$240,831.90
Lighting Component Total				\$240,831.90
Sequence 1 Total				\$7,454,016.57

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** From Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.455
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.86	AC	\$33,534.39	\$196,511.53
120-6	EMBANKMENT	7,463.46	CY	\$26.21	\$195,617.29
Earthwork Component Total					\$392,128.82

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,882.84	SY	\$5.84	\$145,315.79
285-709	OPTIONAL BASE,BASE GROUP 09	22,131.12	SY	\$23.39	\$517,646.90
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,651.63	TN	\$173.02	\$631,805.02
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,825.82	TN	\$136.41	\$249,060.11

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	307.00	EA	\$4.46	\$1,369.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.64	GM	\$886.31	\$3,226.17
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.64	GM	\$381.64	\$1,389.17

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,400.00	LF	\$193.50	\$464,400.00

Roadway Component Total

\$2,014,212.38

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,399.76	LF	\$27.11	\$65,057.49
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,599.84	SY	\$40.79	\$65,257.47

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,799.52	LF	\$1.87	\$8,975.10
104-11	FLOATING TURBIDITY BARRIER	113.62	LF	\$15.21	\$1,728.16
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	113.62	LF	\$9.50	\$1,079.39
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	24.00	EA	\$107.47	\$2,579.28
107-1	LITTER REMOVAL	11.57	AC	\$41.03	\$474.72
107-2	MOWING	11.57	AC	\$73.69	\$852.59

Shoulder Component Total

\$148,087.40

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	4,799.52	LF	\$29.08	\$139,570.04
570-1-1	PERFORMANCE TURF	2,666.40	SY	\$3.13	\$8,345.83
Median Component Total					\$147,915.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.18	CY	\$2,500.00	\$20,450.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	17.00	EA	\$6,422.69	\$109,185.73
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	\$8,307.63	\$41,538.15
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,333.93	\$16,001.79
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,967.25	\$17,901.75
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,208.00	LF	\$166.55	\$201,192.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	112.00	LF	\$245.14	\$27,455.68
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,280.00	LF	\$372.58	\$849,482.40
570-1-1	PERFORMANCE TURF	138.17	SY	\$3.13	\$432.47
Drainage Component Total					\$1,283,640.37

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	4
Mainline No. of Right Turn Lanes	3
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	4
Cross Street No. of Right Turn Lanes	3
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.75	AC	\$33,534.39	\$92,219.57

120-1	REGULAR EXCAVATION	2,607.33 CY	\$19.85	\$51,755.50
160-4	TYPE B STABILIZATION	3,312.31 SY	\$5.84	\$19,343.89
160-4	TYPE B STABILIZATION	6,295.36 SY	\$5.84	\$36,764.90
285-709	OPTIONAL BASE,BASE GROUP 09	3,312.31 SY	\$23.39	\$77,474.93
285-709	OPTIONAL BASE,BASE GROUP 09	6,295.36 SY	\$23.39	\$147,248.47
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	546.53 TN	\$173.02	\$94,560.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,038.73 TN	\$173.02	\$179,721.06
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	273.27 TN	\$136.41	\$37,276.76
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	519.37 TN	\$136.41	\$70,847.26
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$29.08	\$11,797.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,058.00 LF	\$27.11	\$28,682.38
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	570.00 LF	\$44.08	\$25,125.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	370.00 LF	\$44.08	\$16,309.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	587.78 SY	\$40.79	\$23,975.55
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	\$51.64	\$8,979.68
570-1-1	PERFORMANCE TURF	587.78 SY	\$3.13	\$1,839.75
Intersections Component Total				\$923,922.69

SIGNING COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00 AS	\$350.88	\$3,859.68
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00 AS	\$1,059.25	\$1,059.25
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	1.00 AS	\$6,694.62	\$6,694.62
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	1.00 AS	\$9,107.62	\$9,107.62
Signing Component Total				\$20,721.17

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	Powerline Road Intersection

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00 LF	\$8.44	\$5,908.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00 LF	\$19.02	\$5,706.00

632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,746.26	\$5,746.26
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00 EA	\$649.86	\$14,296.92
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,608.78	\$2,608.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.89	\$293.40
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00 EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00 EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00 AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$672.27	\$5,378.16
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00 EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$243.95	\$1,951.60
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$458,277.72

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description				Value	
Spacing				MIN	
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,399.76	LF	\$8.44	\$20,253.97
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	476.32	LF	\$19.02	\$9,059.61
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$649.86	\$10,397.76
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,764.58	LF	\$2.48	\$21,736.16
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	16.00	EA	\$6,064.29	\$97,028.64
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00	EA	\$611.83	\$9,789.28
Subcomponent Total					\$168,265.42
Lighting Component Total					\$168,265.42

Sequence 2 Total	\$5,557,171.84
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Sequence: 3 NDU - New Construction, Divided, Urban**Net Length:** 1.193 MI
6,300 LF**Description:** Approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2129+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	39.75 / 44.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.193
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	12.22	AC	\$33,534.39	\$409,790.25
120-6	EMBANKMENT	19,053.43	CY	\$26.21	\$499,390.40
Earthwork Component Total					\$909,180.65

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	32.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	49,924.76	SY	\$5.84	\$291,560.60
285-709	OPTIONAL BASE,BASE GROUP 09	42,700.65	SY	\$23.39	\$998,768.20
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	7,045.61	TN	\$173.02	\$1,219,031.44
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,522.80	TN	\$136.41	\$480,545.15

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,250.00	LF	\$193.50	\$435,375.00

Comment: For slip ramp to express lanes.**Pavement Marking Subcomponent**

Description	Value
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Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	483.00	EA	\$4.46	\$2,154.18
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.55	GM	\$886.31	\$8,464.26
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.77	GM	\$381.64	\$1,820.42

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,300.00	LF	\$193.50	\$1,219,050.00

Roadway Component Total

\$4,656,769.25

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,300.10	LF	\$27.11	\$170,795.71
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	4,200.06	SY	\$40.79	\$171,320.45

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,600.19	LF	\$1.87	\$23,562.36
104-11	FLOATING TURBIDITY BARRIER	298.30	LF	\$15.21	\$4,537.14
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	298.30	LF	\$9.50	\$2,833.85
104-15		2.00	EA	\$2,083.20	\$4,166.40

	SOIL TRACKING PREVENTION DEVICE			
104-18	INLET PROTECTION SYSTEM	61.00 EA	\$107.47	\$6,555.67
107-1	LITTER REMOVAL	30.37 AC	\$41.03	\$1,246.08
107-2	MOWING	30.37 AC	\$73.69	\$2,237.97
Shoulder Component Total				\$387,255.63

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,600.19	LF	\$29.08	\$366,413.53
570-1-1	PERFORMANCE TURF	7,000.11	SY	\$3.13	\$21,910.34
Median Component Total					\$388,323.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	21.48	CY	\$2,500.00	\$53,700.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	43.00	EA	\$6,422.69	\$276,175.67
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	\$8,307.63	\$99,691.56
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	\$5,333.93	\$32,003.58
425-2-41	MANHOLES, P-7, <10'	6.00	EA	\$5,967.25	\$35,803.50
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,160.00	LF	\$166.55	\$526,298.00
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	288.00	LF	\$245.14	\$70,600.32
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,968.00	LF	\$372.58	\$2,223,557.44
570-1-1	PERFORMANCE TURF	362.73	SY	\$3.13	\$1,135.34
Drainage Component Total					\$3,318,965.41

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y

Multiplier 1
 Description Intersection leading to Sirius XM
 Radio building.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$33,534.39	\$23,474.07
120-1	REGULAR EXCAVATION	391.86	CY	\$19.85	\$7,778.42
160-4	TYPE B STABILIZATION	1,107.64	SY	\$5.84	\$6,468.62
160-4	TYPE B STABILIZATION	946.13	SY	\$5.84	\$5,525.40
285-709	OPTIONAL BASE,BASE GROUP 09	1,107.64	SY	\$23.39	\$25,907.70
285-709	OPTIONAL BASE,BASE GROUP 09	946.13	SY	\$23.39	\$22,129.98
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	182.76	TN	\$173.02	\$31,621.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	156.11	TN	\$173.02	\$27,010.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	91.38	TN	\$136.41	\$12,465.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	78.06	TN	\$136.41	\$10,648.16
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	273.00	LF	\$27.11	\$7,401.03
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	151.67	SY	\$40.79	\$6,186.62
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	151.67	SY	\$3.13	\$474.73

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 30th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$33,534.39	\$39,570.58
120-1	REGULAR EXCAVATION	628.29	CY	\$19.85	\$12,471.56
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.39	\$26,453.39
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.39	\$35,482.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$173.02	\$32,287.26

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31 TN	\$173.02	\$43,308.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31 TN	\$136.41	\$12,728.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15 TN	\$136.41	\$17,071.71
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.11	\$12,823.03
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$40.79	\$10,718.80
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 3**Description****Value**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$33,534.39	\$39,570.58
120-1	REGULAR EXCAVATION	628.29	CY	\$19.85	\$12,471.56
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.39	\$26,453.39
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.39	\$35,482.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$173.02	\$32,287.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31	TN	\$173.02	\$43,308.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$136.41	\$12,728.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15	TN	\$136.41	\$17,071.71
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.11	\$12,823.03
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$40.79	\$10,718.80

522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 4

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 24th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$33,534.39	\$39,570.58
120-1	REGULAR EXCAVATION	772.70	CY	\$19.85	\$15,338.10
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,865.68	SY	\$5.84	\$10,895.57
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.39	\$26,453.39
285-709	OPTIONAL BASE,BASE GROUP 09	1,865.68	SY	\$23.39	\$43,638.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$173.02	\$32,287.26
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.84	TN	\$173.02	\$53,262.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	93.31	TN	\$136.41	\$12,728.42
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	153.92	TN	\$136.41	\$20,996.23
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.11	\$12,823.03
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$40.79	\$10,718.80
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$51.64	\$4,489.58
570-1-1	PERFORMANCE TURF	262.78	SY	\$3.13	\$822.50
Intersections Component Total					\$1,106,246.03

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	29.00	AS	\$350.88	\$10,175.52
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,059.25	\$3,177.75

700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00 AS	\$6,694.62	\$20,083.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00 AS	\$9,107.62	\$27,322.86
Signing Component Total				\$60,759.99

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

SW 28th Avenue

Value

4 Lane Mast Arm

1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$8.44	\$6,330.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.02	\$4,755.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,746.26	\$5,746.26
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$649.86	\$10,397.76
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,608.78	\$2,608.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.89	\$293.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$40,041.33	\$160,165.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$995.45	\$11,945.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$672.27	\$5,378.16
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$172.57	\$2,070.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,322.11	\$15,865.32
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$243.95	\$1,951.60
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32
Signalizations Component Total					\$257,241.22

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,300.10	LF	\$8.44	\$53,172.84
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,250.47	LF	\$19.02	\$23,783.94
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	42.00	EA	\$649.86	\$27,294.12

715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	23,009.67 LF	\$2.48	\$57,063.98
715-4-13	LIGHT POLE COMPLETE, F&I- STD, 40'	42.00 EA	\$6,064.29	\$254,700.18
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	42.00 EA	\$611.83	\$25,696.86
	Subcomponent Total			\$441,711.92
	Lighting Component Total			\$441,711.92
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Sequence 3 Total				\$11,526,453.97
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Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1200' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	55.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.16	AC	\$33,534.39	\$240,106.23
120-6	EMBANKMENT	10,157.16	CY	\$26.21	\$266,219.16
Earthwork Component Total					\$506,325.39

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	28,099.39	SY	\$5.84	\$164,100.44
285-709	OPTIONAL BASE,BASE GROUP 09	24,888.75	SY	\$23.39	\$582,147.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$173.02	\$710,530.85
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	2,053.32	TN	\$136.41	\$280,093.38

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00 EA	\$4.46	\$1,596.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24 GM	\$886.31	\$3,757.95
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24 GM	\$381.64	\$1,618.15
Roadway Component Total				\$1,743,845.31

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	8.25 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	6.00 / 6.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98 LF	\$27.11	\$75,907.46
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98 LF	\$27.11	\$75,907.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,733.31 SY	\$40.79	\$152,281.71

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97 LF	\$1.87	\$10,471.94
104-11	FLOATING TURBIDITY BARRIER	132.57 LF	\$15.21	\$2,016.39
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	132.57 LF	\$9.50	\$1,259.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	28.00 EA	\$107.47	\$3,009.16
107-1	LITTER REMOVAL	13.50 AC	\$41.03	\$553.90
107-2	MOWING	13.50 AC	\$73.69	\$994.82
Shoulder Component Total				\$324,485.47

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	5,599.97 LF	\$29.08	\$162,847.13
570-1-1	PERFORMANCE TURF	3,111.09 SY	\$3.13	\$9,737.71

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55 CY	\$2,500.00	\$23,875.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00 EA	\$6,422.69	\$128,453.80
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00 EA	\$8,307.63	\$49,845.78
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00 EA	\$5,333.93	\$16,001.79
425-2-41	MANHOLES, P-7, <10'	3.00 EA	\$5,967.25	\$17,901.75
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,408.00 LF	\$166.55	\$234,502.40
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00 LF	\$245.14	\$31,377.92
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,656.00 LF	\$372.58	\$989,572.48
570-1-1	PERFORMANCE TURF	161.21 SY	\$3.13	\$504.59
Drainage Component Total				\$1,492,035.51

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	13.00 AS	\$350.88	\$4,561.44
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00 AS	\$1,059.25	\$2,118.50
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00 AS	\$6,694.62	\$13,389.24
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00 AS	\$9,107.62	\$18,215.24
Signing Component Total				\$38,284.42

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	2,799.98 LF	\$8.44	\$23,631.83
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	555.75 LF	\$19.02	\$10,570.36
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00 EA	\$649.86	\$12,347.34
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,226.31 LF	\$2.48	\$25,361.25
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	19.00 EA	\$6,064.29	\$115,221.51
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	19.00 EA	\$611.83	\$11,624.77
Subcomponent Total				\$198,757.06

**Value
MIN**

Lighting Component Total	\$198,757.07
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Sequence 4 Total	\$4,476,318.01
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Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 2.292 MI
12,102 LF**Description:** Express lane section along SW 10th Street from Florida's Turnpike to Military Trail.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	53.50 / 53.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	29.73 AC	\$33,534.39	\$996,977.41

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	951,360.00 CY	\$19.85	\$18,884,496.00
	Comment: For depressed section.			
120-6	EMBANKMENT	167,931.00 CY	\$26.21	\$4,401,471.51
	Comment: For bridge segment 1 = 63903 CY, for bridge segment 2 = 104028 CY			

Earthwork Component Total	\$24,282,944.92
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	35,667.00 SY	\$5.84	\$208,295.28
	Comment: For bridge segment 1 = 17834 SY For bridge segment 2 = 17833 SY			
285-709	OPTIONAL BASE,BASE GROUP 09	34,000.00 SY	\$23.39	\$795,260.00
	Comment: For bridge segment 1 = 17000 SY For bridge segment 2 = 17000 SY			
334-1-13		5,610.00 TN	\$173.02	\$970,642.20

	SUPERPAVE ASPHALTIC CONC, TRAFFIC C			
	Comment: For bridge segment 1 = 2805 TN For bridge segment 2 = 2805 TN			
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	2,806.00 TN	\$136.41	\$382,766.46
	Comment: For bridge segment 1 = 1403 TN For bridge segment 2 = 1403 TN			
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	27,200.00 LF	\$193.50	\$5,263,200.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	928.00 EA	\$4.46	\$4,138.88
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	18.34 GM	\$886.31	\$16,254.93
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	9.17 GM	\$381.64	\$3,499.64

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	10,700.00
Noise Barrier Wall Begin Height	22.00
Noise Barrier Wall End Height	22.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	235,400.00 SF	\$33.63	\$7,916,502.00

Roadway Component Total

\$15,560,559.39

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	31,464.58 LF	\$1.87	\$58,838.76
104-11	FLOATING TURBIDITY BARRIER	573.00 LF	\$15.21	\$8,715.33
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	573.00 LF	\$9.50	\$5,443.50
104-15	SOIL TRACKING PREVENTION DEVICE	3.00 EA	\$2,083.20	\$6,249.60
104-18	INLET PROTECTION SYSTEM	14.00 EA	\$107.47	\$1,504.58
107-1	LITTER REMOVAL	55.56 AC	\$41.03	\$2,279.63
107-2	MOWING	55.56 AC	\$73.69	\$4,094.22
Shoulder Component Total				\$87,125.62

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	0.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	0.00 / 0.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	12,100.00 LF	\$103.50	\$1,252,350.00
Median Component Total				\$1,252,350.00

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	110.00 EA	\$6,856.78	\$754,245.80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-791	INLETS, MED BARRIER, TYPE 2, J BOT, <=10'	55.00 EA	\$5,644.20	\$310,431.00
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD Comment: Cross drains.	5,504.00 LF	\$149.25	\$821,472.00
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD Comment: Main trunk line.	12,104.00 LF	\$268.84	\$3,254,039.36
430-175-172	PIPE CULV, OPT MATL, ROUND, 72"S/CD	904.00 LF	\$446.61	\$403,735.44

Comment: 3-72" box culverts at canal crossing**Drainage Component Total**

\$5,543,923.60

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$350.88	\$1,754.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	56.00	AS	\$1,059.25	\$59,318.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00	AS	\$4,801.35	\$24,006.75
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	14.00	AS	\$6,694.62	\$93,724.68

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-3-207	SIGN PANEL, F&I OM, 201-300 SF Comment: Local exits panels.	7.00	EA	\$5,879.77	\$41,158.39
700-3-208	SIGN PANEL, F&I OM, 301-400 SF Comment: I-95 direct connect panel.	1.00	EA	\$9,137.52	\$9,137.52
700-4-112	OH STATIC SIGN STR, F&I, C 21-30 FT Comment: Structure for local exits panels.	7.00	EA	\$65,034.94	\$455,244.58
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT Comment: Structure for EL DMS and I-95 direct connect panels.	3.00	EA	\$42,409.29	\$127,227.87
700-4-125	OH STATIC SIGN STR, F&I, S 51-100 FT Comment: Structures for Express Lanes and toll amounts panels.	5.00	EA	\$197,000.00	\$985,000.00
700-7-132	EMBED DYNAMIC MESS SIGN, F&I, FULL, 12-20 Comment: T-DMS bricks.	4.00	EA	\$27,589.55	\$110,358.20
700-8-135	FRONT ACC DYN MESS SIGN, F&I, FULL, 51-100 Comment: Lane Status DMS.	3.00	EA	\$73,326.96	\$219,980.88
700-8-136	FRONT ACC DYN MESS SIGN, F&I, FULL, 101- Comment: Express lanes DMS.	1.00	EA	\$104,433.33	\$104,433.33
700-9-117	WALK-IN DYN MESS SIGN, F&I, MONO, 201- Comment: GP Lanes DMS.	1.00	EA	\$75,000.00	\$75,000.00

Signing Component Total

\$2,306,344.60

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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630-2-11	CONDUIT, F&I, OPEN TRENCH	7,667.00 LF	\$8.44	\$64,709.48
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	2,556.00 LF	\$19.02	\$48,615.12
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	4,646.00 LF	\$3.79	\$17,608.34
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	9,293.00 LF	\$4.00	\$37,172.00
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	323.00 EA	\$50.86	\$16,427.78
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	16.00 EA	\$938.41	\$15,014.56
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	16.00 EA	\$69.54	\$1,112.64
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	16.00 EA	\$77.50	\$1,240.00
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	16.00 EA	\$1,837.83	\$29,405.28
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	4,740.00 LF	\$4.24	\$20,097.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00 EA	\$649.86	\$12,347.34
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	16.00 EA	\$1,321.67	\$21,146.72
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	1.00 AS	\$2,651.78	\$2,651.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30,666.00 LF	\$4.89	\$149,956.74
641-3-169	CONCRETE CCTV POLE, FUR & INS W/LOW	4.00 EA	\$29,728.00	\$118,912.00
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	7.00 EA	\$2,250.00	\$15,750.00
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	7.00 EA	\$13,500.00	\$94,500.00
676-2-122	ITS CABINET- F&I, POLE, 336S	8.00 EA	\$6,600.00	\$52,800.00
676-2-143	ITS CABINET- F&I, BASE, 334	8.00 EA	\$10,633.33	\$85,066.64
676-2-400	ITS CABINET- RELOCATE	2.00 EA	\$2,708.64	\$5,417.28
682-1-111	ITS CCTV CAMERA, F&I, DOME ENCL-PRES.	4.00 EA	\$7,180.53	\$28,722.12
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	17.00 EA	\$3,751.76	\$63,779.92
684-2-1	DEVICE SERVER, F&I	7.00 EA	\$1,500.00	\$10,500.00
684-3-11	DIGITAL VIDEO ENC W SO, F&I HARD ENCODER	4.00 EA	\$2,917.45	\$11,669.80
EX-Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
639-5-1	EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW	2.00 EA	\$39,679.10	\$79,358.20
641-2-13	PREST CNC POLE, F&I, TYP P-III	7.00 EA	\$9,785.71	\$68,499.97
78X-XX-XXX	TOLL GANTRY SYSTEM, 2 LANE	2.00 EA	\$800,000.00	\$1,600,000.00
Intelligent Traffic System (ITS) Component Total				\$2,672,481.31

BRIDGES COMPONENT**Bridge X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-3-20	CONC CLASS III, SEAL Comment: 5.5' depth of concrete for tremie slab for depressed section.	126,118.00 CY	\$1,368.00	\$172,529,424.00
400-4-5	CONC CLASS IV, SUBSTRUCTURE Comment: 4' depth of concrete for depressed section.	146,197.00 CY	\$1,158.43	\$169,358,990.71
415-1-5	REINF STEEL- SUBSTRUCTURE Comment: Actual quantity of reinforcing steel is 25259083 lbs. LRE will not allow a value over 10000000 lbs. Multiplied cost by 3 to account for entire reinforcing steel.	8,419,694.33 LB	\$3.54	\$29,805,717.93
451-70	PREST SOIL ANCHORS Comment: For depressed section.	4,061.00 EA	\$7,591.08	\$30,827,375.88
451-70-1	PREST SOIL ANCHOR, PERFORMANCE TEST Comment: For depressed section.	1,015.00 EA	\$2,335.67	\$2,370,705.05
451-70-2	PREST SOIL ANCHOR, CREEP TEST Comment: For depressed section.	1,015.00 EA	\$2,947.00	\$2,991,205.00
455-87	ANCHOR BAR, STEEL Comment: For depressed section.	7,480.00 EA	\$1,041.63	\$7,791,392.40
455-133-2	SHEET PILING STEEL, TEMPORARY-CRITICAL Comment: For depressed section.	700,164.00 SF	\$24.75	\$17,329,059.00

Bridge EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
XXX-XX-XX1	WATERPROOF LINER	1,080,351.00 SF	\$1.00	\$1,080,351.00
XXX-XX-XX2	ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of construction costs for the depressed section.	1.00 LS	\$50,937,188.84	\$50,937,188.84

Bridge Total

\$485,021,409.81

Bridges Component Total

\$485,021,409.81

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-11	CONC CLASS IV, RETAINING WALLS Comment: For depressed section.	14,340.00 CY	\$1,831.31	\$26,260,985.40
448-73	PUMPING STATION- DRAINAGE	4.00 LS	\$76,800.00	\$307,200.00
548-12	RET WALL SYSTEM, PERM, EX BARRIER Comment: For bridge segment 1 = 32250 SF For bridge segment 2 = 52500 SF	84,750.00 SF	\$26.74	\$2,266,215.00

Miscellaneous Component Total

\$28,834,400.40

Sequence 5 Total

\$565,561,539.65

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,102 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	260.00
Width (LF)	100.50
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$155.02
Basic Bridge Cost	\$3,919,500.00
Description	BRIDGE FOR POWERLINE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	223.33	CY	\$410.22	\$91,614.43
415-1-9	REINF STEEL- APPROACH SLABS	39,082.75	LB	\$1.01	\$39,473.58
Bridge 1 Total					\$4,050,588.01

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	291.00
Width (LF)	100.50
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$154.48
Basic Bridge Cost	\$4,386,825.00
Description	BRIDGE OVER QUIET WATERS BUSINEDD PARK ACCESS ROAD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	223.33	CY	\$410.22	\$91,614.43
415-1-9	REINF STEEL- APPROACH SLABS	39,082.75	LB	\$1.01	\$39,473.58
Bridge 2 Total					\$4,517,913.01

Bridge 3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	600.00
Width (LF)	90.00
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$152.17
Basic Bridge Cost	\$8,100,000.00
Description	WEAVING SECTION UNDER SW 30TH AVENUE FROM APPROXIMATE STA. 2080+00 TO STA. 2086+00.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	200.00	CY	\$410.22	\$82,044.00
415-1-9	REINF STEEL- APPROACH SLABS	35,000.00	LB	\$1.01	\$35,350.00
Bridge 3 Total					\$8,217,394.00

Bridge 4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	400.00
Width (LF)	117.00
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$153.26
Basic Bridge Cost	\$7,020,000.00
Description	BRIDGE LEADING TO SW 28TH AVENUE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	260.00	CY	\$410.22	\$106,657.20
415-1-9	REINF STEEL- APPROACH SLABS	45,500.00	LB	\$1.01	\$45,955.00
Bridge 4 Total					\$7,172,612.20
Bridges Component Total					\$23,958,507.22

Sequence 6 Total

\$23,958,507.22

Draft

Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** Non-Traffic Bridges.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT Comment: Each landscaped bridge = 400CY, 3 bridges = 1200 CY	1,200.00 CY	\$26.21	\$31,452.00
570-1-2	PERFORMANCE TURF, SOD Comment: Each landscaped bridge = 1200 SY, 3 bridges = 3600 SY	3,600.00 SY	\$3.76	\$13,536.00
Roadway Component Total				\$44,988.00

BRIDGES COMPONENT**Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	300.00
Width (LF)	100.50
Type	Pedestrian Overpass
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$95.00
Factored Cost per SF	\$95.00
Final Cost per SF	\$95.00
Basic Bridge Cost	\$2,864,250.00
Description	LANDSCAPE LID 1
Bridge 1 Total	\$2,864,250.00

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	300.00
Width (LF)	100.50
Type	Pedestrian Overpass
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$95.00
Factored Cost per SF	\$95.00
Final Cost per SF	\$95.00
Basic Bridge Cost	\$2,864,250.00
Description	LANDSCAPE LID 2
Bridge 2 Total	\$2,864,250.00

Bridge 3

Description		Value
Estimate Type		SF Estimate
Primary Estimate		YES
Length (LF)		300.00
Width (LF)		100.50
Type		Pedestrian Overpass
Cost Factor		1.00
Structure No.		
Removal of Existing Structures area		0.00
Default Cost per SF		\$95.00
Factored Cost per SF		\$95.00
Final Cost per SF		\$95.00
Basic Bridge Cost		\$2,864,250.00
Description	LANDSCAPE LID 3	

Bridge 3 Total	\$2,864,250.00
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Bridges Component Total	\$8,592,750.00
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Sequence 7 Total	\$8,637,738.00
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 24 Project Grand Total

\$804,845,736.04

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 117 - FULLY DEPRESSED, NORTH ALTERNATIVE, WITH RAMPS. 2019 LRE UPDATE.

Project Sequences Subtotal

\$627,171,745.26

102-1 Maintenance of Traffic

10.00 %

\$62,717,174.53

101-1 Mobilization

8.00 %

\$55,191,113.58

Project Sequences Total

\$745,080,033.37

Project Unknowns

0.00 %

\$0.00

Design/Build

8.00 %

\$59,606,402.67

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00
999-20-1	DISPUTES REVIEW BD, MEETING-DO NOT BID	1	DA	\$3,300.00	\$3,300.00

Project Non-Bid Subtotal

\$159,300.00

Version 24 Project Grand Total

\$804,845,736.04

Depressed Westbound Exit Ramp Alternative

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 18 Project Grand Total**\$217,737,571.36**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 237 - WB EXIT RAMP DEPRESSED. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI

4,200 LF

Description: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.796
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.28	AC	\$32,034.82	\$329,317.95
120-6	EMBANKMENT	13,056.95	CY	\$27.17	\$354,757.33

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	43,551.82 SY	\$5.84	\$254,342.63
285-709	OPTIONAL BASE,BASE GROUP 09	38,735.55 SY	\$23.11	\$895,178.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,391.37 TN	\$171.48	\$1,095,992.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	3,195.68 TN	\$139.13	\$444,614.96

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other

Pavement Type

Solid Stripe No. of Paint Applications

Solid Stripe No. of Stripes

Skip Stripe No. of Paint Applications

Skip Stripe No. of Stripes

Value

N

Asphalt

2

4

2

4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	537.00 EA	\$4.46	\$2,395.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	6.36 GM	\$902.22	\$5,738.12
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.36 GM	\$383.00	\$2,435.88

Peripherals Subcomponent**Description**

Off Road Bike Path(s)

Off Road Bike Path Width L/R

Bike Path Structural Spread Rate

Noise Barrier Wall Length

Noise Barrier Wall Begin Height

Noise Barrier Wall End Height

Value

0

0.00 / 0.00

0

0.00

0.00

0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,400.00 LF	\$193.50	\$657,900.00

Roadway Component Total

\$3,358,597.30

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Total Outside Shoulder Perf. Turf Width L/R

Sidewalk Width L/R

Value

0.00 / 8.25

0.00 / 0.00

0.00 / 6.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,200.24 LF	\$27.17	\$114,120.52

522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,800.16 SY	\$41.10	\$115,086.58
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Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,400.48 LF	\$1.89	\$15,876.91
104-11	FLOATING TURBIDITY BARRIER	198.88 LF	\$12.50	\$2,486.00
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	198.88 LF	\$4.09	\$813.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	41.00 EA	\$101.77	\$4,172.57
107-1	LITTER REMOVAL	20.25 AC	\$49.70	\$1,006.42
107-2	MOWING	20.25 AC	\$70.39	\$1,425.40
Shoulder Component Total				\$257,071.03

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	8,400.48 LF	\$29.08	\$244,285.96
570-1-1	PERFORMANCE TURF	4,666.93 SY	\$3.13	\$14,607.49
Median Component Total				\$258,893.45

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	14.32 CY	\$1,477.99	\$21,164.82
425-1-351	INLETS, CURB, TYPE P-5, <10'	29.00 EA	\$6,251.47	\$181,292.63
425-1-451	INLETS, CURB, TYPE J-5, <10'	8.00 EA	\$8,530.50	\$68,244.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00 EA	\$5,116.81	\$20,467.24
425-2-41	MANHOLES, P-7, <10'	4.00 EA	\$5,619.79	\$22,479.16
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	2,104.00 LF	\$180.20	\$379,140.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	192.00 LF	\$230.43	\$44,242.56
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,984.00 LF	\$372.58	\$1,484,358.72
570-1-1	PERFORMANCE TURF	241.83 SY	\$3.13	\$756.93
Drainage Component Total				\$2,222,146.86

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Waterways Boulevard

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Independence Drive

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75
Intersections Component Total					\$586,083.04

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	20.00	AS	\$351.72	\$7,034.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	2.00	AS	\$9,107.62	\$18,215.24
Signing Component Total					\$42,125.48

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	Waterways Boulevard Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00 LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00 LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00 EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00 EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00 EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00 AS	\$995.45	\$19,909.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00 EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$682.09	\$1,364.18
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$229.72	\$459.44
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32

Signalizations Component Total

\$903,072.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,200.24 LF	\$8.45	\$35,492.03
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	833.68 LF	\$18.66	\$15,556.47
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00 EA	\$641.65	\$17,966.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	15,340.42 LF	\$2.48	\$38,044.24
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	28.00 EA	\$6,040.34	\$169,129.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	28.00 EA	\$620.69	\$17,379.32
Subcomponent Total				\$293,567.78
Lighting Component Total				\$293,567.78
Sequence 1 Total				\$8,605,632.56

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.454
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.86	AC	\$32,034.82	\$187,724.05
120-6	EMBANKMENT	7,447.05	CY	\$27.17	\$202,336.35
Earthwork Component Total					\$390,060.40

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,882.84	SY	\$5.84	\$145,315.79
285-709	OPTIONAL BASE,BASE GROUP 09	22,131.12	SY	\$23.11	\$511,450.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,651.63	TN	\$171.48	\$626,181.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,825.82	TN	\$139.13	\$254,026.34

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	307.00	EA	\$4.46	\$1,369.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.64	GM	\$902.22	\$3,284.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.64	GM	\$383.00	\$1,394.12

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,400.00	LF	\$193.50	\$464,400.00

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,399.76	LF	\$27.17	\$65,201.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,599.84	SY	\$41.10	\$65,753.42

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,799.52	LF	\$1.89	\$9,071.09
104-11	FLOATING TURBIDITY BARRIER	113.62	LF	\$12.50	\$1,420.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	113.62	LF	\$4.09	\$464.71
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	24.00	EA	\$101.77	\$2,442.48
107-1	LITTER REMOVAL	11.57	AC	\$49.70	\$575.03
107-2	MOWING	11.57	AC	\$70.39	\$814.41

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	4,799.52	LF	\$29.08	\$139,570.04
570-1-1	PERFORMANCE TURF	2,666.40	SY	\$3.13	\$8,345.83
Median Component Total					\$147,915.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.18	CY	\$1,477.99	\$12,089.96
425-1-351	INLETS, CURB, TYPE P-5, <10'	17.00	EA	\$6,251.47	\$106,274.99
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	\$8,530.50	\$42,652.50
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,208.00	LF	\$180.20	\$217,681.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	112.00	LF	\$230.43	\$25,808.16
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,280.00	LF	\$372.58	\$849,482.40
570-1-1	PERFORMANCE TURF	138.17	SY	\$3.13	\$432.47
Drainage Component Total					\$1,286,631.88

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	4
Mainline No. of Right Turn Lanes	2
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	4
Cross Street No. of Right Turn Lanes	2
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.75	AC	\$32,034.82	\$88,095.76

120-1	REGULAR EXCAVATION	2,458.78 CY	\$21.41	\$52,642.48
160-4	TYPE B STABILIZATION	3,032.31 SY	\$5.84	\$17,708.69
160-4	TYPE B STABILIZATION	5,936.69 SY	\$5.84	\$34,670.27
285-709	OPTIONAL BASE,BASE GROUP 09	3,032.31 SY	\$23.11	\$70,076.68
285-709	OPTIONAL BASE,BASE GROUP 09	5,936.69 SY	\$23.11	\$137,196.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.33 TN	\$171.48	\$85,796.59
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	979.55 TN	\$171.48	\$167,973.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	489.78 TN	\$139.13	\$68,143.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	250.17 TN	\$139.13	\$34,806.15
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$29.08	\$11,797.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,058.00 LF	\$27.17	\$28,745.86
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	570.00 LF	\$44.08	\$25,125.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	370.00 LF	\$44.08	\$16,309.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	587.78 SY	\$41.10	\$24,157.76
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	\$52.59	\$9,144.88
570-1-1	PERFORMANCE TURF	587.78 SY	\$3.13	\$1,839.75

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Intersection leading into Sirius XM Radio building.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$32,034.82	\$22,424.37
120-1	REGULAR EXCAVATION	371.15	CY	\$21.41	\$7,946.32
160-4	TYPE B STABILIZATION	595.53	SY	\$5.84	\$3,477.90
160-4	TYPE B STABILIZATION	896.13	SY	\$5.84	\$5,233.40
285-709	OPTIONAL BASE,BASE GROUP 09	595.53	SY	\$23.11	\$13,762.70
285-709	OPTIONAL BASE,BASE GROUP 09	896.13	SY	\$23.11	\$20,709.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	98.26	TN	\$171.48	\$16,849.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	147.86	TN	\$171.48	\$25,355.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	73.93	TN	\$139.13	\$10,285.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	49.13	TN	\$139.13	\$6,835.46

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	249.00 LF	\$27.17	\$6,765.33
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	138.33 SY	\$41.10	\$5,685.36
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	138.33 SY	\$3.13	\$432.97
Intersections Component Total				\$1,027,515.83

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00	AS	\$351.72	\$3,868.92
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,060.06	\$1,060.06
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	\$7,377.86	\$7,377.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	\$9,107.62	\$9,107.62
Signing Component Total					\$21,414.46

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

SW 10th Street and Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102		20.00	EA	\$172.57	\$3,451.40

	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2			
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$457,918.84

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description				Value	
Spacing				MIN	
Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,399.76	LF	\$8.45	\$20,277.97
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	476.32	LF	\$18.66	\$8,888.13
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65	\$10,266.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,764.58	LF	\$2.48	\$21,736.16
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	16.00	EA	\$6,040.34	\$96,645.44
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00	EA	\$620.69	\$9,931.04
Subcomponent Total					\$167,745.14
Lighting Component Total					\$167,745.14
Sequence 2 Total					\$5,654,449.73

Sequence: 3 NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	39.75 / 44.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.155
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.83	AC	\$32,034.82	\$378,971.92
120-6	EMBANKMENT	20,325.74	CY	\$27.17	\$552,250.36
Earthwork Component Total					\$931,222.28

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	32.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	48,338.98	SY	\$5.84	\$282,299.64
285-709	OPTIONAL BASE,BASE GROUP 09	41,344.34	SY	\$23.11	\$955,467.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,821.82	TN	\$171.48	\$1,169,805.69
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,410.91	TN	\$139.13	\$474,559.91

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	468.00	EA	\$4.46	\$2,087.28
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.24	GM	\$902.22	\$8,336.51
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.62	GM	\$383.00	\$1,769.46

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,100.00	LF	\$193.50	\$1,180,350.00

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,099.98	LF	\$27.17	\$165,736.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6,777.76	SY	\$41.10	\$278,565.94

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,199.97	LF	\$1.89	\$23,057.94
104-11	FLOATING TURBIDITY BARRIER	288.82	LF	\$12.50	\$3,610.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	288.82	LF	\$4.09	\$1,181.27
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$2,083.20	\$4,166.40
104-18	INLET PROTECTION SYSTEM	59.00	EA	\$101.77	\$6,004.43
107-1	LITTER REMOVAL	29.40	AC	\$49.70	\$1,461.18
107-2	MOWING	29.40	AC	\$70.39	\$2,069.47

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,199.97	LF	\$29.08	\$354,775.13
570-1-1	PERFORMANCE TURF	6,777.76	SY	\$3.13	\$21,214.39
Median Component Total					\$375,989.52

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	20.80	CY	\$1,477.99	\$30,742.19
425-1-351	INLETS, CURB, TYPE P-5, <10'	42.00	EA	\$6,251.47	\$262,561.74
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	\$8,530.50	\$102,366.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	\$5,116.81	\$30,700.86
425-2-41	MANHOLES, P-7, <10'	6.00	EA	\$5,619.79	\$33,718.74
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,056.00	LF	\$180.20	\$550,691.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	272.00	LF	\$230.43	\$62,676.96
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,784.00	LF	\$372.58	\$2,155,002.72
570-1-1	PERFORMANCE TURF	351.21	SY	\$3.13	\$1,099.29
Drainage Component Total					\$3,229,559.70

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 30th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09

120-1	REGULAR EXCAVATION	628.29 CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97 SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01 SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01 SY	\$23.11	\$35,058.10
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97 SY	\$23.11	\$26,136.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61 TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31 TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31 TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15 TN	\$139.13	\$17,412.12
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	628.29	CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.11	\$35,058.10
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31	TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15	TN	\$139.13	\$17,412.12
520-1-7		101.42	LF	\$29.08	\$2,949.29

	CONCRETE CURB & GUTTER, TYPE E			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 3**Description**

Mainline No. of Left Turn Lanes	Value
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	1
Cross Street Thru Lanes	45
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	1
T-Intersection?	35
Multiplier	Y
Description	1

SW 24th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	772.70	CY	\$21.41	\$16,543.51
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,865.68	SY	\$5.84	\$10,895.57
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,865.68	SY	\$23.11	\$43,115.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.84	TN	\$171.48	\$52,788.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	153.92	TN	\$139.13	\$21,414.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78	SY	\$3.13	\$822.50
Intersections Component Total					\$892,815.45

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	28.00	AS	\$351.72	\$9,848.16
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,060.06	\$3,180.18
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00	AS	\$7,377.86	\$22,133.58
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00	AS	\$9,107.62	\$27,322.86
Signing Component Total					\$62,484.78

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$8.45	\$6,337.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$18.66	\$4,665.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65	\$10,266.40
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$40,041.33	\$160,165.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$995.45	\$11,945.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$172.57	\$2,070.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,322.11	\$15,865.32
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32
Signalizations Component Total					\$256,950.10

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description****Value**

Spacing Pay Items		MIN		
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,099.98 LF	\$8.45	\$51,544.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,210.75 LF	\$18.66	\$22,592.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	41.00 EA	\$641.65	\$26,307.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,278.81 LF	\$2.48	\$55,251.45
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	41.00 EA	\$6,040.34	\$247,653.94
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	41.00 EA	\$620.69	\$25,448.29
Subcomponent Total				\$428,798.75
Lighting Component Total				\$428,798.76
Sequence 3 Total				\$10,738,350.12

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	55.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.16	AC	\$32,034.82	\$229,369.31
120-6	EMBANKMENT	10,157.16	CY	\$27.17	\$275,970.04
Earthwork Component Total					\$505,339.35

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	28,099.39	SY	\$5.84	\$164,100.44
285-709	OPTIONAL BASE,BASE GROUP 09	24,888.75	SY	\$23.11	\$575,179.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$171.48	\$704,206.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	2,053.32	TN	\$139.13	\$285,678.41

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.46	\$1,596.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$902.22	\$3,825.41
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$383.00	\$1,623.92

Roadway Component Total

\$1,736,210.50

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Value
8.25 / 8.25

Total Outside Shoulder Perf. Turf Width L/R

0.00 / 0.00

Sidewalk Width L/R

6.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,733.31	SY	\$41.10	\$153,439.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.89	\$10,583.94
104-11	FLOATING TURBIDITY BARRIER	132.57	LF	\$12.50	\$1,657.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	132.57	LF	\$4.09	\$542.21
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	28.00	EA	\$101.77	\$2,849.56
107-1	LITTER REMOVAL	13.50	AC	\$49.70	\$670.95
107-2	MOWING	13.50	AC	\$70.39	\$950.27

Shoulder Component Total

\$324,927.22

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value
15.50

Performance Turf Width

10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	5,599.97	LF	\$29.08	\$162,847.13
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$3.13	\$9,737.71

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$1,477.99	\$14,114.80
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,251.47	\$125,029.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$8,530.50	\$51,183.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,408.00	LF	\$180.20	\$253,721.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00	LF	\$230.43	\$29,495.04
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,656.00	LF	\$372.58	\$989,572.48
570-1-1	PERFORMANCE TURF	161.21	SY	\$3.13	\$504.59
Drainage Component Total					\$1,495,830.71

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	13.00	AS	\$351.72	\$4,572.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00	AS	\$9,107.62	\$18,215.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-111	OH STATIC SIGN STR, F&I, C UP TO 20 FT	2.00	EA	\$42,470.64	\$84,941.28
700-4-121	OH STATIC SIGN STR, F&I, S UP TO 20 FT	2.00	EA	\$108,189.34	\$216,378.68
Signing Component Total					\$340,983.40

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Value

MIN

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,799.98	LF	\$8.45	\$23,659.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	555.75	LF	\$18.66	\$10,370.30
635-2-11		19.00	EA	\$641.65	\$12,191.35

	PULL & SPLICE BOX, F&I, 13" x 24"			
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,226.31 LF	\$2.48	\$25,361.25
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	19.00 EA	\$6,040.34	\$114,766.46
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	19.00 EA	\$620.69	\$11,793.11
	Subcomponent Total			\$198,142.29
	Lighting Component Total			\$198,142.30
<hr/>				
Sequence 4 Total				\$4,774,018.32
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Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 2.292 MI
12,100 LF**Description:** Express Lane section along SW 10th Street from Florida's Turnpike to Military Trail, at-grade.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	28.06	AC	\$32,034.82	\$898,897.05

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	250,150.00	CY	\$27.17	\$6,796,575.50

Earthwork Component Total					\$7,695,472.55
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	0
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	129,068.54	SY	\$5.84	\$753,760.27
285-709	OPTIONAL BASE,BASE GROUP 09	66,308.96	SY	\$23.11	\$1,532,400.07
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	2,581.37	TN	\$139.13	\$359,146.01

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-4	CONC TRAF RAIL- BRG, 32" VERT FACE	24,200.00	LF	\$95.12	\$2,301,904.00

Pavement Marking Subcomponent

Description	Value
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Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	928.00 EA	\$4.46	\$4,138.88
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	18.33 GM	\$902.22	\$16,537.69
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	9.17 GM	\$383.00	\$3,512.11
Roadway Component Total				\$4,971,399.03

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	33,154.48 SY	\$21.30	\$706,190.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,774.69 TN	\$171.48	\$304,323.84
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,290.69 TN	\$262.36	\$338,625.43
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	4.58 GM	\$1,205.93	\$5,523.16

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	31,460.46 LF	\$1.89	\$59,460.27
104-11	FLOATING TURBIDITY BARRIER	572.93 LF	\$12.50	\$7,161.62
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	572.93 LF	\$4.09	\$2,343.28
104-15	SOIL TRACKING PREVENTION DEVICE	3.00 EA	\$2,083.20	\$6,249.60
104-18	INLET PROTECTION SYSTEM	14.00 EA	\$101.77	\$1,424.78
107-1	LITTER REMOVAL	55.55 AC	\$49.70	\$2,760.84
107-2	MOWING	55.55 AC	\$70.39	\$3,910.16

Shoulder Component Total**\$1,437,973.41**

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	33,154.48	SY	\$21.30	\$706,190.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,774.69	TN	\$171.48	\$304,323.84
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,290.69	TN	\$262.36	\$338,625.43
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	12,100.00	LF	\$197.19	\$2,385,999.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.00	GM	\$1,205.93	\$6,029.65
Median Component Total					\$3,741,168.34

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	110.00	EA	\$6,856.78	\$754,245.80

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-791	INLETS, MED BARRIER, TYPE 2, J BOT,<=10'	55.00	EA	\$5,600.00	\$308,000.00
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	5,560.00	LF	\$149.67	\$832,165.20
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	12,104.00	LF	\$268.84	\$3,254,039.36
430-175-172	PIPE CULV, OPT MATL, ROUND, 72"S/CD	904.00	LF	\$521.18	\$471,146.72
Drainage Component Total					\$5,619,597.08

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$351.72	\$1,758.60
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	56.00	AS	\$1,060.06	\$59,363.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00	AS	\$4,857.14	\$24,285.70
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	14.00	AS	\$7,377.86	\$103,290.04

Signing Component Total

\$188,697.70

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,667.00	LF	\$8.45	\$64,786.15
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,556.00	LF	\$18.66	\$47,694.96
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	4,646.00	LF	\$3.79	\$17,608.34
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	9,293.00	LF	\$4.00	\$37,172.00
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	323.00	EA	\$51.31	\$16,573.13
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	16.00	EA	\$942.34	\$15,077.44
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	16.00	EA	\$69.21	\$1,107.36
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	16.00	EA	\$77.50	\$1,240.00
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	16.00	EA	\$1,793.95	\$28,703.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	4,740.00	LF	\$4.24	\$20,097.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00	EA	\$641.65	\$12,191.35
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	16.00	EA	\$1,280.05	\$20,480.80
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	1.00	AS	\$2,651.78	\$2,651.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30,666.00	LF	\$4.88	\$149,650.08
641-3-169	CONCRETE CCTV POLE, FUR & INS W/LOW	4.00	EA	\$29,728.00	\$118,912.00
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	7.00	EA	\$2,250.00	\$15,750.00
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	7.00	EA	\$13,500.00	\$94,500.00
676-2-122	ITS CABINET- F&I, POLE, 336S	8.00	EA	\$6,600.00	\$52,800.00
676-2-143	ITS CABINET- F&I, BASE, 334	8.00	EA	\$10,633.33	\$85,066.64
676-2-400	ITS CABINET- RELOCATE	2.00	EA	\$2,708.64	\$5,417.28
682-1-111	ITS CCTV CAMERA, F&I, DOME ENCL-PRES.	4.00	EA	\$7,180.53	\$28,722.12
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	17.00	EA	\$3,711.50	\$63,095.50
684-2-1	DEVICE SERVER, F&I	7.00	EA	\$1,500.00	\$10,500.00
684-3-11	DIGITAL VIDEO ENC W SO, F&I HARD ENCODER	4.00	EA	\$2,917.45	\$11,669.80

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
639-5-1	EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW	3.00	EA	\$39,679.10	\$119,037.30

641-2-13	PREST CNC POLE, F&I, TYP P-III	7.00 EA	\$9,785.71	\$68,499.97
78X-XX-XXX	TOLL GANTRY SYSTEM, 2 LANE	3.00 EA	\$800,000.00	\$2,400,000.00
Intelligent Traffic System (ITS) Component Total				\$3,509,004.80

LIGHTING COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	12,100.00	LF	\$8.45	\$102,245.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	2,400.00	LF	\$18.66	\$44,784.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	81.00	EA	\$641.65	\$51,973.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	45,000.00	LF	\$2.48	\$111,600.00
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	81.00	EA	\$6,040.34	\$489,267.54
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	81.00	EA	\$620.69	\$50,275.89
Lighting Component Total					\$850,146.08

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
448-73	PUMPING STATION- DRAINAGE	1.00	LS	\$400,000.00	\$400,000.00
548-12	RET WALL SYSTEM, PERM, EX BARRIER	188,250.00	SF	\$27.97	\$5,265,352.50
Miscellaneous Component Total					\$5,665,352.50

Sequence 5 Total					\$33,678,811.49
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Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	265.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$229.56
Basic Bridge Cost	\$6,022,125.00
Description	EXPRESS BRIDGE OVER POWERLINE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 1 Total					\$6,144,254.03

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	51.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.21
Basic Bridge Cost	\$11,475,000.00
Description	EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	113.33	CY	\$370.90	\$42,034.10
415-1-9	REINF STEEL- APPROACH SLABS	19,832.75	LB	\$0.99	\$19,634.42
Bridge 2 Total					\$11,536,668.52

Bridge 3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$233.52
Basic Bridge Cost	\$3,226,950.00
Description	EXPRESS LANES BRIDGE OVER FRONTAGE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 3 Total					\$3,349,079.03

Bridge 4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	63.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.21
Basic Bridge Cost	\$14,175,000.00
Description	EB EXPRESS LANE BRIDGE OVER WB EXIT RAMP

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	140.00	CY	\$370.90	\$51,926.00
415-1-9	REINF STEEL- APPROACH SLABS	24,500.00	LB	\$0.99	\$24,255.00
Bridge 4 Total					\$14,251,181.00

Bridge 5

Description	Value
Estimate Type	SF Estimate

Primary Estimate	YES
Length (LF)	610.00
Width (LF)	30.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.98
Basic Bridge Cost	\$4,117,500.00
Description	RAMP A, EB EXPRESS LANE ON-RAMP.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$370.90	\$24,727.90
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$0.99	\$11,550.58
Bridge 5 Total					\$4,153,778.48
Bridges Component Total					\$39,434,961.06

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	136,000.00	SF	\$27.97	\$3,803,920.00
Miscellaneous Component Total					\$3,803,920.00
Sequence 6 Total					\$43,238,881.06

Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** RAMP A AND B**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	43,335.00 CY	\$21.41	\$927,802.35
120-6	EMBANKMENT	14,170.00 CY	\$27.17	\$384,998.90
Earthwork Component Total				\$1,312,801.25

ROADWAY COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,530.00 SY	\$5.84	\$26,455.20
285-709	OPTIONAL BASE,BASE GROUP 09	4,080.00 SY	\$23.11	\$94,288.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	675.00 TN	\$171.48	\$115,749.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	335.00 TN	\$139.13	\$46,608.55

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	7,270.00 LF	\$193.50	\$1,406,745.00
Roadway Component Total				\$1,689,846.55

BRIDGES COMPONENT**Bridge X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-3-20	CONC CLASS III, SEAL	13,900.00 CY	\$1,368.00	\$19,015,200.00
400-4-5	CONC CLASS IV, SUBSTRUCTURE	10,110.00 CY	\$1,112.06	\$11,242,926.60
415-1-5	REINF STEEL- SUBSTRUCTURE	2,307,510.00 LB	\$1.18	\$2,722,861.80
451-70	PREST SOIL ANCHORS	910.00 EA	\$4,796.99	\$4,365,260.90
451-70-1		228.00 EA	\$1,267.67	\$289,028.76

	PREST SOIL ANCHOR, PERFORMANCE TEST			
451-70-2	PREST SOIL ANCHOR, CREEP TEST	228.00 EA	\$1,696.43	\$386,786.04
455-87	ANCHOR BAR, STEEL	910.00 EA	\$1,041.63	\$947,883.30
455-133-2	SHEET PILING STEEL, TEMPORARY-CRITICAL	34,125.00 SF	\$24.75	\$844,593.75

Bridge EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
XXX-XX-XX1	WATERPROOF LINER	68,250.00 SF	\$1.00	\$68,250.00
XXX-XX-XX2	ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of the cost for the depressed section to account for the construction in water.	1.00 LS	\$4,769,576.70	\$4,769,576.70
Bridge Total				\$44,652,367.85
Bridges Component Total				\$44,652,367.85

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-11	CONC CLASS IV, RETAINING WALLS	3,160.00 CY	\$1,831.31	\$5,786,939.60
548-12	RET WALL SYSTEM, PERM, EX BARRIER	25,500.00 SF	\$27.97	\$713,235.00
Miscellaneous Component Total				\$6,500,174.60
Sequence 7 Total				\$54,155,190.25

Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** FRONTAGE ROAD**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,126.00 SY	\$5.84	\$35,775.84
285-709	OPTIONAL BASE,BASE GROUP 09	5,880.00 SY	\$23.11	\$135,886.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	970.00 TN	\$171.48	\$166,335.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	485.00 TN	\$139.13	\$67,478.05

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	1,760.00 LF	\$193.50	\$340,560.00
Roadway Component Total				\$746,036.29

SHOULDER COMPONENT**User Input Data**

Description	Value
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X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	1,345.00 SY	\$52.59	\$70,733.55
Shoulder Component Total				\$70,733.55

Sequence 8 Total**\$816,769.84**

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** NOISE WALLS**ROADWAY COMPONENT****Peripherals Subcomponent**

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	10,700.00
Noise Barrier Wall Begin Height	22.00
Noise Barrier Wall End Height	22.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	235,400.00	SF	\$33.60	\$7,909,440.00

Roadway Component Total

\$7,909,440.00

Sequence 9 Total

\$7,909,440.00

Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID	1.00	DA	\$3,300.00	\$3,300.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00
Roadway Component Total					\$11,300.00
Sequence 10 Total					\$11,300.00

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01**Letting Date:** 12/2023**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Market Area:** 12**Units:** English**Contract Class:** 9 Lump Sum Project: N**Design/Build:** Y**Project Length:** 2.158 MI**Project Manager:** BOSTIAN**Version 18 Project Grand Total****\$217,737,571.36****Description:** SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 237 - WB EXIT RAMP DEPRESSED. 2019 LRE UPDATE.**Project Sequences Subtotal****\$169,582,843.37**

102-1	Maintenance of Traffic	10.00 %	\$16,958,284.34
101-1	Mobilization	8.00 %	\$14,923,290.22

Project Sequences Total**\$201,464,417.93**

Project Unknowns	0.00 %	\$0.00
Design/Build	8.00 %	\$16,117,153.43

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal**\$156,000.00****Version 18 Project Grand Total****\$217,737,571.36**

Depressed Eastbound Managed Lane Alternative

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 19 Project Grand Total**\$315,919,220.59**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 242 - EB EXPRESS LANES DEPRESSED UNDER WB EXIT RAMP. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LF

Description: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT**User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.796
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.28	AC	\$32,034.82	\$329,317.95
120-6	EMBANKMENT	13,056.95	CY	\$27.17	\$354,757.33

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	43,551.82	SY	\$5.84	\$254,342.63
285-709	OPTIONAL BASE,BASE GROUP 09	38,735.55	SY	\$23.11	\$895,178.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,391.37	TN	\$171.48	\$1,095,992.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	3,195.68	TN	\$139.13	\$444,614.96

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other

Pavement Type

Solid Stripe No. of Paint Applications

Solid Stripe No. of Stripes

Skip Stripe No. of Paint Applications

Skip Stripe No. of Stripes

Value

N

Asphalt

2

4

2

4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	537.00	EA	\$4.46	\$2,395.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	6.36	GM	\$902.22	\$5,738.12
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.36	GM	\$383.00	\$2,435.88

Peripherals Subcomponent**Description**

Off Road Bike Path(s)

Off Road Bike Path Width L/R

Bike Path Structural Spread Rate

Noise Barrier Wall Length

Noise Barrier Wall Begin Height

Noise Barrier Wall End Height

Value

0

0.00 / 0.00

0

0.00

0.00

0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,400.00	LF	\$193.50	\$657,900.00

Roadway Component Total

\$3,358,597.30

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Total Outside Shoulder Perf. Turf Width L/R

Sidewalk Width L/R

Value

0.00 / 8.25

0.00 / 0.00

0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,200.24 LF	\$27.17	\$114,120.52
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,800.16 SY	\$41.10	\$115,086.58

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,400.48 LF	\$1.89	\$15,876.91
104-11	FLOATING TURBIDITY BARRIER	198.88 LF	\$12.50	\$2,486.00
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	198.88 LF	\$4.09	\$813.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	41.00 EA	\$101.77	\$4,172.57
107-1	LITTER REMOVAL	20.25 AC	\$49.70	\$1,006.42
107-2	MOWING	20.25 AC	\$70.39	\$1,425.40
Shoulder Component Total				\$257,071.03

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	8,400.48 LF	\$29.08	\$244,285.96
570-1-1	PERFORMANCE TURF	4,666.93 SY	\$3.13	\$14,607.49
Median Component Total				\$258,893.45

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	14.32 CY	\$1,477.99	\$21,164.82
425-1-351	INLETS, CURB, TYPE P-5, <10'	29.00 EA	\$6,251.47	\$181,292.63
425-1-451	INLETS, CURB, TYPE J-5, <10'	8.00 EA	\$8,530.50	\$68,244.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00 EA	\$5,116.81	\$20,467.24
425-2-41	MANHOLES, P-7, <10'	4.00 EA	\$5,619.79	\$22,479.16
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	2,104.00 LF	\$180.20	\$379,140.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	192.00 LF	\$230.43	\$44,242.56
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,984.00 LF	\$372.58	\$1,484,358.72
570-1-1	PERFORMANCE TURF	241.83 SY	\$3.13	\$756.93
Drainage Component Total				\$2,222,146.86

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Waterways Boulevard

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Independence Drive

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75
Intersections Component Total					\$586,083.04

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	20.00	AS	\$351.72	\$7,034.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	2.00	AS	\$9,107.62	\$18,215.24
Signing Component Total					\$42,125.48

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	Waterways Boulevard Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$682.09	\$1,364.18
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$229.72	\$459.44
670-5-111		1.00	AS	\$28,696.06	\$28,696.06

	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT			
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$903,072.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description		Value	
Spacing		MIN	
Pay Items			
Pay item	Description	Quantity Unit	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,200.24 LF	\$35,492.03
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	833.68 LF	\$15,556.47
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00 EA	\$17,966.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	15,340.42 LF	\$38,044.24
715-4-13	LIGHT POLE COMPLETE, F&I- STD, 40'	28.00 EA	\$169,129.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	28.00 EA	\$17,379.32
Subcomponent Total			\$293,567.78
Lighting Component Total			\$293,567.78
Sequence 1 Total			\$8,605,632.56

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.454
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.86	AC	\$32,034.82	\$187,724.05
120-6	EMBANKMENT	7,447.05	CY	\$27.17	\$202,336.35
Earthwork Component Total					\$390,060.40

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,882.84	SY	\$5.84	\$145,315.79
285-709	OPTIONAL BASE,BASE GROUP 09	22,131.12	SY	\$23.11	\$511,450.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,651.63	TN	\$171.48	\$626,181.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,825.82	TN	\$139.13	\$254,026.34

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	307.00	EA	\$4.46	\$1,369.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.64	GM	\$902.22	\$3,284.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.64	GM	\$383.00	\$1,394.12

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,400.00	LF	\$193.50	\$464,400.00

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,399.76	LF	\$27.17	\$65,201.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,599.84	SY	\$41.10	\$65,753.42

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,799.52	LF	\$1.89	\$9,071.09
104-11	FLOATING TURBIDITY BARRIER	113.62	LF	\$12.50	\$1,420.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	113.62	LF	\$4.09	\$464.71
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	24.00	EA	\$101.77	\$2,442.48
107-1	LITTER REMOVAL	11.57	AC	\$49.70	\$575.03
107-2	MOWING	11.57	AC	\$70.39	\$814.41

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	4,799.52	LF	\$29.08	\$139,570.04
570-1-1	PERFORMANCE TURF	2,666.40	SY	\$3.13	\$8,345.83
Median Component Total					\$147,915.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.18	CY	\$1,477.99	\$12,089.96
425-1-351	INLETS, CURB, TYPE P-5, <10'	17.00	EA	\$6,251.47	\$106,274.99
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	\$8,530.50	\$42,652.50
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,208.00	LF	\$180.20	\$217,681.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	112.00	LF	\$230.43	\$25,808.16
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,280.00	LF	\$372.58	\$849,482.40
570-1-1	PERFORMANCE TURF	138.17	SY	\$3.13	\$432.47
Drainage Component Total					\$1,286,631.88

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	4
Mainline No. of Right Turn Lanes	2
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	4
Cross Street No. of Right Turn Lanes	2
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.75	AC	\$32,034.82	\$88,095.76

120-1	REGULAR EXCAVATION	2,458.78 CY	\$21.41	\$52,642.48
160-4	TYPE B STABILIZATION	3,032.31 SY	\$5.84	\$17,708.69
160-4	TYPE B STABILIZATION	5,936.69 SY	\$5.84	\$34,670.27
285-709	OPTIONAL BASE,BASE GROUP 09	3,032.31 SY	\$23.11	\$70,076.68
285-709	OPTIONAL BASE,BASE GROUP 09	5,936.69 SY	\$23.11	\$137,196.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.33 TN	\$171.48	\$85,796.59
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	979.55 TN	\$171.48	\$167,973.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	489.78 TN	\$139.13	\$68,143.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	250.17 TN	\$139.13	\$34,806.15
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$29.08	\$11,797.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,058.00 LF	\$27.17	\$28,745.86
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	570.00 LF	\$44.08	\$25,125.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	370.00 LF	\$44.08	\$16,309.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	587.78 SY	\$41.10	\$24,157.76
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	\$52.59	\$9,144.88
570-1-1	PERFORMANCE TURF	587.78 SY	\$3.13	\$1,839.75

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Intersection leading into Sirius XM Radio building.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$32,034.82	\$22,424.37
120-1	REGULAR EXCAVATION	371.15	CY	\$21.41	\$7,946.32
160-4	TYPE B STABILIZATION	595.53	SY	\$5.84	\$3,477.90
160-4	TYPE B STABILIZATION	896.13	SY	\$5.84	\$5,233.40
285-709	OPTIONAL BASE,BASE GROUP 09	595.53	SY	\$23.11	\$13,762.70
285-709	OPTIONAL BASE,BASE GROUP 09	896.13	SY	\$23.11	\$20,709.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	98.26	TN	\$171.48	\$16,849.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	147.86	TN	\$171.48	\$25,355.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	73.93	TN	\$139.13	\$10,285.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	49.13	TN	\$139.13	\$6,835.46

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	249.00 LF	\$27.17	\$6,765.33
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	138.33 SY	\$41.10	\$5,685.36
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	138.33 SY	\$3.13	\$432.97
Intersections Component Total				\$1,027,515.83

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00	AS	\$351.72	\$3,868.92
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,060.06	\$1,060.06
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	\$7,377.86	\$7,377.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	\$9,107.62	\$9,107.62
Signing Component Total				\$21,414.46	

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

SW 10th Street and Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102		20.00	EA	\$172.57	\$3,451.40

	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2			
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$457,918.84

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description				Value
Spacing				MIN
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,399.76 LF	\$8.45	\$20,277.97
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	476.32 LF	\$18.66	\$8,888.13
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$641.65	\$10,266.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,764.58 LF	\$2.48	\$21,736.16
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	16.00 EA	\$6,040.34	\$96,645.44
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00 EA	\$620.69	\$9,931.04
Subcomponent Total				\$167,745.14
Lighting Component Total				\$167,745.14
Sequence 2 Total				\$5,654,449.73

Sequence: 3 NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	39.75 / 44.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.155
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.83	AC	\$32,034.82	\$378,971.92
120-6	EMBANKMENT	20,325.74	CY	\$27.17	\$552,250.36
Earthwork Component Total					\$931,222.28

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	32.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	48,338.98	SY	\$5.84	\$282,299.64
285-709	OPTIONAL BASE,BASE GROUP 09	41,344.34	SY	\$23.11	\$955,467.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,821.82	TN	\$171.48	\$1,169,805.69
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,410.91	TN	\$139.13	\$474,559.91

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	468.00	EA	\$4.46	\$2,087.28
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.24	GM	\$902.22	\$8,336.51
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.62	GM	\$383.00	\$1,769.46

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,100.00	LF	\$193.50	\$1,180,350.00

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,099.98	LF	\$27.17	\$165,736.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6,777.76	SY	\$41.10	\$278,565.94

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,199.97	LF	\$1.89	\$23,057.94
104-11	FLOATING TURBIDITY BARRIER	288.82	LF	\$12.50	\$3,610.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	288.82	LF	\$4.09	\$1,181.27
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$2,083.20	\$4,166.40
104-18	INLET PROTECTION SYSTEM	59.00	EA	\$101.77	\$6,004.43
107-1	LITTER REMOVAL	29.40	AC	\$49.70	\$1,461.18
107-2	MOWING	29.40	AC	\$70.39	\$2,069.47

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,199.97	LF	\$29.08	\$354,775.13
570-1-1	PERFORMANCE TURF	6,777.76	SY	\$3.13	\$21,214.39
Median Component Total					\$375,989.52

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	20.80	CY	\$1,477.99	\$30,742.19
425-1-351	INLETS, CURB, TYPE P-5, <10'	42.00	EA	\$6,251.47	\$262,561.74
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	\$8,530.50	\$102,366.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	\$5,116.81	\$30,700.86
425-2-41	MANHOLES, P-7, <10'	6.00	EA	\$5,619.79	\$33,718.74
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,056.00	LF	\$180.20	\$550,691.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	272.00	LF	\$230.43	\$62,676.96
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,784.00	LF	\$372.58	\$2,155,002.72
570-1-1	PERFORMANCE TURF	351.21	SY	\$3.13	\$1,099.29
Drainage Component Total					\$3,229,559.70

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 30th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09

120-1	REGULAR EXCAVATION	628.29 CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97 SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01 SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01 SY	\$23.11	\$35,058.10
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97 SY	\$23.11	\$26,136.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61 TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31 TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31 TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15 TN	\$139.13	\$17,412.12
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	628.29	CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.11	\$35,058.10
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31	TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15	TN	\$139.13	\$17,412.12
520-1-7		101.42	LF	\$29.08	\$2,949.29

	CONCRETE CURB & GUTTER, TYPE E			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 3**Description**

Mainline No. of Left Turn Lanes	Value
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	1
Cross Street Thru Lanes	45
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	1
T-Intersection?	35
Multiplier	Y
Description	1
	SW 24th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	772.70	CY	\$21.41	\$16,543.51
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,865.68	SY	\$5.84	\$10,895.57
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,865.68	SY	\$23.11	\$43,115.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.84	TN	\$171.48	\$52,788.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	153.92	TN	\$139.13	\$21,414.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78	SY	\$3.13	\$822.50
Intersections Component Total					\$892,815.45

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	28.00	AS	\$351.72	\$9,848.16
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,060.06	\$3,180.18
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00	AS	\$7,377.86	\$22,133.58
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00	AS	\$9,107.62	\$27,322.86
Signing Component Total					\$62,484.78

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$8.45	\$6,337.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$18.66	\$4,665.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65	\$10,266.40
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$40,041.33	\$160,165.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$995.45	\$11,945.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$172.57	\$2,070.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,322.11	\$15,865.32
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32
Signalizations Component Total					\$256,950.10

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description****Value**

Spacing Pay Items		MIN		
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,099.98 LF	\$8.45	\$51,544.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,210.75 LF	\$18.66	\$22,592.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	41.00 EA	\$641.65	\$26,307.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,278.81 LF	\$2.48	\$55,251.45
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	41.00 EA	\$6,040.34	\$247,653.94
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	41.00 EA	\$620.69	\$25,448.29
Subcomponent Total				\$428,798.75
Lighting Component Total				\$428,798.76
Sequence 3 Total				\$10,738,350.12

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	55.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.16	AC	\$32,034.82	\$229,369.31
120-6	EMBANKMENT	10,157.16	CY	\$27.17	\$275,970.04
Earthwork Component Total					\$505,339.35

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	28,099.39	SY	\$5.84	\$164,100.44
285-709	OPTIONAL BASE,BASE GROUP 09	24,888.75	SY	\$23.11	\$575,179.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$171.48	\$704,206.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	2,053.32	TN	\$139.13	\$285,678.41

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.46	\$1,596.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$902.22	\$3,825.41
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$383.00	\$1,623.92

Roadway Component Total

\$1,736,210.50

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Total Outside Shoulder Perf. Turf Width L/R

Sidewalk Width L/R

Value

8.25 / 8.25

0.00 / 0.00

6.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,733.31	SY	\$41.10	\$153,439.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.89	\$10,583.94
104-11	FLOATING TURBIDITY BARRIER	132.57	LF	\$12.50	\$1,657.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	132.57	LF	\$4.09	\$542.21
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	28.00	EA	\$101.77	\$2,849.56
107-1	LITTER REMOVAL	13.50	AC	\$49.70	\$670.95
107-2	MOWING	13.50	AC	\$70.39	\$950.27

Shoulder Component Total

\$324,927.22

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Performance Turf Width

Value

15.50

10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	5,599.97	LF	\$29.08	\$162,847.13
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$3.13	\$9,737.71

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$1,477.99	\$14,114.80
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,251.47	\$125,029.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$8,530.50	\$51,183.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,408.00	LF	\$180.20	\$253,721.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00	LF	\$230.43	\$29,495.04
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,656.00	LF	\$372.58	\$989,572.48
570-1-1	PERFORMANCE TURF	161.21	SY	\$3.13	\$504.59
Drainage Component Total					\$1,495,830.71

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	13.00	AS	\$351.72	\$4,572.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00	AS	\$9,107.62	\$18,215.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-111	OH STATIC SIGN STR, F&I, C UP TO 20 FT	2.00	EA	\$42,470.64	\$84,941.28
700-4-121	OH STATIC SIGN STR, F&I, S UP TO 20 FT	2.00	EA	\$108,189.34	\$216,378.68
Signing Component Total					\$340,983.40

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,799.98	LF	\$8.45	\$23,659.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	555.75	LF	\$18.66	\$10,370.30
635-2-11		19.00	EA	\$641.65	\$12,191.35

Value

MIN

	PULL & SPLICE BOX, F&I, 13" x 24"			
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,226.31 LF	\$2.48	\$25,361.25
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	19.00 EA	\$6,040.34	\$114,766.46
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	19.00 EA	\$620.69	\$11,793.11
	Subcomponent Total			\$198,142.29
	Lighting Component Total			\$198,142.30
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Sequence 4 Total				\$4,774,018.32
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Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 1.458 MI
7,700 LF**Description:** Express Lane section along SW 10th Street from Florida's Turnpike the depressed section, at-grade.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	17.85 AC	\$32,034.82	\$571,821.54

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	214,735.00 CY	\$27.17	\$5,834,349.95

Earthwork Component Total	\$6,406,171.49
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	0
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	82,131.46 SY	\$5.84	\$479,647.73
285-709	OPTIONAL BASE,BASE GROUP 09	42,195.04 SY	\$23.11	\$975,127.37
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,642.63 TN	\$139.13	\$228,539.11

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-5-4	CONC TRAF RAIL- BRG, 32" VERT FACE	15,400.00 LF	\$95.12	\$1,464,848.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	591.00 EA	\$4.46	\$2,635.86
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	11.67 GM	\$902.22	\$10,528.91
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	5.83 GM	\$383.00	\$2,232.89
Roadway Component Total				\$3,163,559.87

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	21,097.52 SY	\$21.30	\$449,377.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,129.31 TN	\$171.48	\$193,654.08
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	821.31 TN	\$262.36	\$215,478.89
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	2.92 GM	\$1,205.93	\$3,521.32

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	20,019.54 LF	\$1.89	\$37,836.93
104-11	FLOATING TURBIDITY BARRIER	364.58 LF	\$12.50	\$4,557.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	364.58 LF	\$4.09	\$1,491.13
104-15	SOIL TRACKING PREVENTION DEVICE	2.00 EA	\$2,083.20	\$4,166.40
104-18	INLET PROTECTION SYSTEM	9.00 EA	\$101.77	\$915.93
107-1	LITTER REMOVAL	35.35 AC	\$49.70	\$1,756.90
107-2	MOWING	35.35 AC	\$70.39	\$2,488.29

Shoulder Component Total**\$915,244.30**

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	21,097.52	SY	\$21.30	\$449,377.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,129.31	TN	\$171.48	\$193,654.08
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	821.31	TN	\$262.36	\$215,478.89
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	7,700.00	LF	\$197.19	\$1,518,363.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	3.00	GM	\$1,205.93	\$3,617.79
Median Component Total					\$2,380,490.94

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	110.00	EA	\$6,856.78	\$754,245.80

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	5,560.00	LF	\$149.67	\$832,165.20
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	12,104.00	LF	\$268.84	\$3,254,039.36
430-175-172	PIPE CULV, OPT MATL, ROUND, 72"S/CD	904.00	LF	\$521.18	\$471,146.72
Drainage Component Total					\$5,311,597.08

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	3.00	AS	\$351.72	\$1,055.16
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	35.00	AS	\$1,060.06	\$37,102.10
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	3.00	AS	\$4,857.14	\$14,571.42
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	9.00	AS	\$7,377.86	\$66,400.74

Signing Component Total

\$119,129.42

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,667.00 LF	\$8.45	\$64,786.15
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,556.00 LF	\$18.66	\$47,694.96
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	4,646.00 LF	\$3.79	\$17,608.34
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	9,293.00 LF	\$4.00	\$37,172.00
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	323.00 EA	\$51.31	\$16,573.13
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	16.00 EA	\$942.34	\$15,077.44
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	16.00 EA	\$69.21	\$1,107.36
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	16.00 EA	\$77.50	\$1,240.00
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	16.00 EA	\$1,793.95	\$28,703.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	4,740.00 LF	\$4.24	\$20,097.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00 EA	\$641.65	\$12,191.35
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	16.00 EA	\$1,280.05	\$20,480.80
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	1.00 AS	\$2,651.78	\$2,651.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30,666.00 LF	\$4.88	\$149,650.08
641-3-169	CONCRETE CCTV POLE, FUR & INS W/LOW	4.00 EA	\$29,728.00	\$118,912.00
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	7.00 EA	\$2,250.00	\$15,750.00
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	7.00 EA	\$13,500.00	\$94,500.00
676-2-122	ITS CABINET- F&I, POLE, 336S	8.00 EA	\$6,600.00	\$52,800.00
676-2-143	ITS CABINET- F&I, BASE, 334	8.00 EA	\$10,633.33	\$85,066.64
676-2-400	ITS CABINET- RELOCATE	2.00 EA	\$2,708.64	\$5,417.28
682-1-111	ITS CCTV CAMERA, F&I, DOME ENCL-PRES.	4.00 EA	\$7,180.53	\$28,722.12
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	17.00 EA	\$3,711.50	\$63,095.50
684-2-1	DEVICE SERVER, F&I	7.00 EA	\$1,500.00	\$10,500.00
684-3-11	DIGITAL VIDEO ENC W SO, F&I HARD ENCODER	4.00 EA	\$2,917.45	\$11,669.80

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
639-5-1	EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW	3.00 EA	\$39,679.10	\$119,037.30

641-2-13	PREST CNC POLE, F&I, TYP P-III	7.00 EA	\$9,785.71	\$68,499.97
78X-XX-XXX	TOLL GANTRY SYSTEM, 2 LANE	3.00 EA	\$800,000.00	\$2,400,000.00
Intelligent Traffic System (ITS) Component Total				\$3,509,004.80

LIGHTING COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	12,100.00 LF	\$8.45	\$102,245.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	2,400.00 LF	\$18.66	\$44,784.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	81.00 EA	\$641.65	\$51,973.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	45,000.00 LF	\$2.48	\$111,600.00
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	81.00 EA	\$6,040.34	\$489,267.54
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	81.00 EA	\$620.69	\$50,275.89
Lighting Component Total				\$850,146.08

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
448-73	PUMPING STATION- DRAINAGE	1.00 LS	\$400,000.00	\$400,000.00
548-12	RET WALL SYSTEM, PERM, EX BARRIER	150,750.00 SF	\$27.97	\$4,216,477.50
Miscellaneous Component Total				\$4,616,477.50

Sequence 5 Total				\$27,271,821.48
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Sequence: 6 NDR - New Construction, Divided, Rural**Net Length:** 0.568 MI
3,000 LF**Description:** WB Express Lanes through EB Depressed section.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 0.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.48	AC	\$32,034.82	\$111,481.17
Earthwork Component Total					\$111,481.17

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	24.00 / 0.00
Structural Spread Rate	330
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	16,000.51	SY	\$5.84	\$93,442.98
285-709	OPTIONAL BASE,BASE GROUP 09	8,220.26	SY	\$23.11	\$189,970.21
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,320.04	TN	\$171.48	\$226,360.46
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	320.01	TN	\$262.36	\$83,957.82

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	77.00 EA	\$4.46	\$343.42
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.27 GM	\$902.22	\$2,048.04

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,000.00 LF	\$193.50	\$1,161,000.00

Roadway Component Total

\$1,757,122.93

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,110.13 SY	\$21.30	\$87,545.77
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.01 TN	\$171.48	\$37,727.31
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	160.01 TN	\$262.36	\$41,980.22
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.14 GM	\$1,205.93	\$1,374.76

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	7,800.25 LF	\$1.89	\$14,742.47
104-11	FLOATING TURBIDITY BARRIER	142.05 LF	\$12.50	\$1,775.62
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	142.05 LF	\$4.09	\$580.98
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	4.00 EA	\$101.77	\$407.08

107-1	LITTER REMOVAL	13.77 AC	\$49.70	\$684.37
107-2	MOWING	13.77 AC	\$70.39	\$969.27
Shoulder Component Total				\$189,871.06

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	12.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	0.00 / 12.00
Paved Median Shoulder Width L/R	0.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	4,110.13	SY	\$21.30	\$87,545.77
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	220.01	TN	\$171.48	\$37,727.31
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	160.01	TN	\$262.36	\$41,980.22
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	7,700.00	LF	\$197.19	\$1,518,363.00
Median Component Total					\$1,685,616.30

Sequence 6 Total	\$3,744,091.46
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Sequence: 7 NDR - New Construction, Divided, Rural**Net Length:** 0.568 MI
3,000 LF**Description:** EB Express Lanes (Depressed Section).**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.48 AC	\$32,034.82	\$111,481.17

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	105,000.00 CY	\$21.41	\$2,248,050.00

Earthwork Component Total				\$2,359,531.17
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	0.00 / 0.00
Structural Spread Rate	330
Friction Course Spread Rate	110

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	77.00 EA	\$4.46	\$343.42
710-11-101		2.27 GM	\$902.22	\$2,048.04

PAINTED PAVT
MARK,STD,WHITE,SOLID,6"

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,000.00 LF	\$193.50	\$1,161,000.00
Roadway Component Total				\$1,163,391.46

BRIDGES COMPONENT**Bridge X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-3-20	CONC CLASS III, SEAL	38,500.00 CY	\$1,368.00	\$52,668,000.00
400-4-5	CONC CLASS IV, SUBSTRUCTURE	28,000.00 CY	\$1,112.06	\$31,137,680.00
415-1-5	REINF STEEL- SUBSTRUCTURE	6,390,040.00 LB	\$1.18	\$7,540,247.20
451-70	PREST SOIL ANCHORS	1,800.00 EA	\$4,796.99	\$8,634,582.00
451-70-1	PREST SOIL ANCHOR, PERFORMANCE TEST	450.00 EA	\$1,267.67	\$570,451.50
451-70-2	PREST SOIL ANCHOR, CREEP TEST	450.00 EA	\$1,696.43	\$763,393.50
455-87	ANCHOR BAR, STEEL	1,800.00 EA	\$1,041.63	\$1,874,934.00
455-133-2	SHEET PILING STEEL, TEMPORARY-CRITICAL	450,000.00 SF	\$24.75	\$11,137,500.00

Bridge EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
XXX-XX-XX1	WATERPROOF LINER	189,000.00 SF	\$1.00	\$189,000.00
XXX-XX-XX2	ADJUSTMENT FOR CONSTRUCTION IN WATER	1.00 LS	\$12,440,040.09	\$12,440,040.09

Comment: Based on 10% of the cost for the depressed section to account for construction in water.

Bridge Total \$126,955,828.29

Bridges Component Total \$126,955,828.29

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-11	CONC CLASS IV, RETAINING WALLS	4,170.00 CY	\$1,831.31	\$7,636,562.70

Miscellaneous Component Total	\$7,636,562.70
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Sequence 7 Total	\$138,115,313.62
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Sequence: 8 NDR - New Construction, Divided, Rural**Net Length:** 0.265 MI
1,400 LF**Description:** Express Lanes (EB and WB) from depressed section to Military Trail.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	105.00
Top of Structural Course For End Section	105.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	3.24	AC	\$32,034.82	\$103,792.82

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	37,500.00	CY	\$27.17	\$1,018,875.00

Earthwork Component Total					\$1,122,667.82
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	330
Friction Course Spread Rate	110

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	14,936.06	SY	\$5.84	\$87,226.59
285-709	OPTIONAL BASE,BASE GROUP 09	7,673.40	SY	\$23.11	\$177,332.27
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,232.23	TN	\$171.48	\$211,302.80
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	410.74	TN	\$262.36	\$107,761.75

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2

Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	107.00	EA	\$4.46	\$477.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.12	GM	\$902.22	\$1,912.71
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	1.06	GM	\$383.00	\$405.98

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,800.00	LF	\$193.50	\$541,800.00
Roadway Component Total					\$1,128,219.32

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,836.70	SY	\$21.30	\$81,721.71
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	205.37	TN	\$171.48	\$35,216.85
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	149.36	TN	\$262.36	\$39,186.09
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	0.53	GM	\$1,205.93	\$639.14

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,640.67	LF	\$1.89	\$6,880.87

104-11	FLOATING TURBIDITY BARRIER	66.30 LF	\$12.50	\$828.75
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	66.30 LF	\$4.09	\$271.17
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	2.00 EA	\$101.77	\$203.54
107-1	LITTER REMOVAL	6.43 AC	\$49.70	\$319.57
107-2	MOWING	6.43 AC	\$70.39	\$452.61
Shoulder Component Total				\$167,803.50

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width	24.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	3,836.70	SY	\$21.30	\$81,721.71
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	205.37	TN	\$171.48	\$35,216.85
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	149.36	TN	\$262.36	\$39,186.09
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	1.00	GM	\$1,205.93	\$1,205.93
Median Component Total					\$157,330.58
Sequence 8 Total					\$2,576,021.22

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	265.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$229.56
Basic Bridge Cost	\$6,022,125.00
Description	EXPRESS BRIDGE OVER POWERLINE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 1 Total					\$6,144,254.03

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	51.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.21
Basic Bridge Cost	\$11,475,000.00
Description	EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	113.33	CY	\$370.90	\$42,034.10
415-1-9	REINF STEEL- APPROACH SLABS	19,832.75	LB	\$0.99	\$19,634.42
Bridge 2 Total					\$11,536,668.52

Bridge 3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$233.52
Basic Bridge Cost	\$3,226,950.00
Description	EXPRESS LANES BRIDGE OVER FRONTAGE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 3 Total					\$3,349,079.03

Bridge 4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	700.00
Width (LF)	30.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.73
Basic Bridge Cost	\$4,725,000.00
Description	WB EXPRESS LANE EXIT RAMP BRIDGE OVER EB EXPRESS LANES.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$370.90	\$24,727.90
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$0.99	\$11,550.58
Bridge 4 Total					\$4,761,278.48

Bridge 5

Description	Value
Estimate Type	SF Estimate

Primary Estimate	YES
Length (LF)	610.00
Width (LF)	30.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.98
Basic Bridge Cost	\$4,117,500.00
Description	RAMP A, EB EXPRESS LANE ON-RAMP.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$370.90	\$24,727.90
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$0.99	\$11,550.58
Bridge 5 Total					\$4,153,778.48
Bridges Component Total					\$29,945,058.54

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	136,000.00	SF	\$27.97	\$3,803,920.00
Miscellaneous Component Total					\$3,803,920.00
Sequence 9 Total					\$33,748,978.54

Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** RAMP A AND B**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	14,170.00	CY	\$27.17	\$384,998.90
Earthwork Component Total					\$384,998.90

ROADWAY COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,865.00	SY	\$5.84	\$40,091.60
285-709	OPTIONAL BASE,BASE GROUP 09	6,180.00	SY	\$23.11	\$142,819.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,025.00	TN	\$171.48	\$175,767.00
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	510.00	TN	\$139.13	\$70,956.30

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,160.00	LF	\$193.50	\$611,460.00
Roadway Component Total					\$1,041,094.70

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	25,500.00	SF	\$27.97	\$713,235.00
Miscellaneous Component Total					\$713,235.00

Sequence 10 Total

\$2,139,328.60

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Sequence: 11 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** FRONTAGE ROAD**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	6,126.00 SY	\$5.84	\$35,775.84
285-709	OPTIONAL BASE,BASE GROUP 09	5,880.00 SY	\$23.11	\$135,886.80
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	970.00 TN	\$171.48	\$166,335.60
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	485.00 TN	\$139.13	\$67,478.05

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	1,760.00 LF	\$193.50	\$340,560.00
Roadway Component Total				\$746,036.29

SHOULDER COMPONENT**User Input Data**

Description	Value
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X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	1,345.00 SY	\$52.59	\$70,733.55
Shoulder Component Total				\$70,733.55

Sequence 11 Total**\$816,769.84**

Sequence: 12 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** NOISE WALLS**ROADWAY COMPONENT****Peripherals Subcomponent**

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	10,700.00
Noise Barrier Wall Begin Height	22.00
Noise Barrier Wall End Height	22.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	235,400.00	SF	\$33.60	\$7,909,440.00
Roadway Component Total					\$7,909,440.00

Sequence 12 Total	\$7,909,440.00
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Sequence: 13 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID	1.00	DA	\$3,300.00	\$3,300.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00
Roadway Component Total					\$11,300.00
Sequence 13 Total					\$11,300.00

Date: 3/26/2019 12:08:24 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 19 Project Grand Total**\$315,919,220.59**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 242 - EB EXPRESS LANES DEPRESSED UNDER WB EXIT RAMP. 2019 LRE UPDATE.

Project Sequences Subtotal **\$246,105,515.49**

102-1	Maintenance of Traffic	10.00 %	\$24,610,551.55
101-1	Mobilization	8.00 %	\$21,657,285.36

Project Sequences Total **\$292,373,352.40**

Project Unknowns	0.00 %	\$0.00
Design/Build	8.00 %	\$23,389,868.19

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal **\$156,000.00**
Version 19 Project Grand Total **\$315,919,220.59**

Depressed Eastbound & Westbound Managed Lanes Alternative

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Date: 3/26/2019 12:12:51 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 20 Project Grand Total

\$401,319,303.21

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 245 - PARTIALLY DEPRESSED. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI

4,200 LF

Description: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00) at-grade roadway.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.796
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.28	AC	\$32,034.82	\$329,317.95
120-6	EMBANKMENT	13,056.95	CY	\$27.17	\$354,757.33

Earthwork Component Total**\$684,075.28**

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	43,551.82 SY	\$5.84	\$254,342.63
285-709	OPTIONAL BASE,BASE GROUP 09	38,735.55 SY	\$23.11	\$895,178.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,391.37 TN	\$171.48	\$1,095,992.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	3,195.68 TN	\$139.13	\$444,614.96

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other
Pavement Type
Solid Stripe No. of Paint Applications
Solid Stripe No. of Stripes
Skip Stripe No. of Paint Applications
Skip Stripe No. of Stripes

Value

N
Asphalt
2
4
2
4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	537.00 EA	\$4.46	\$2,395.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	6.36 GM	\$902.22	\$5,738.12
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.36 GM	\$383.00	\$2,435.88

Peripherals Subcomponent**Description**

Off Road Bike Path(s)
Off Road Bike Path Width L/R
Bike Path Structural Spread Rate
Noise Barrier Wall Length
Noise Barrier Wall Begin Height
Noise Barrier Wall End Height

Value

0
0.00 / 0.00
0
0.00
0.00
0.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,400.00 LF	\$193.50	\$657,900.00

Roadway Component Total

\$3,358,597.30

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R
Total Outside Shoulder Perf. Turf Width L/R
Sidewalk Width L/R

Value

0.00 / 8.25
0.00 / 0.00
0.00 / 6.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,200.24 LF	\$27.17	\$114,120.52

522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,800.16 SY	\$41.10	\$115,086.58
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Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,400.48	LF	\$1.89	\$15,876.91
104-11	FLOATING TURBIDITY BARRIER	198.88	LF	\$12.50	\$2,486.00
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	198.88	LF	\$4.09	\$813.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	41.00	EA	\$101.77	\$4,172.57
107-1	LITTER REMOVAL	20.25	AC	\$49.70	\$1,006.42
107-2	MOWING	20.25	AC	\$70.39	\$1,425.40
Shoulder Component Total					\$257,071.03

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	8,400.48	LF	\$29.08	\$244,285.96
570-1-1	PERFORMANCE TURF	4,666.93	SY	\$3.13	\$14,607.49
Median Component Total					\$258,893.45

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	14.32	CY	\$1,477.99	\$21,164.82
425-1-351	INLETS, CURB, TYPE P-5, <10'	29.00	EA	\$6,251.47	\$181,292.63
425-1-451	INLETS, CURB, TYPE J-5, <10'	8.00	EA	\$8,530.50	\$68,244.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00	EA	\$5,116.81	\$20,467.24
425-2-41	MANHOLES, P-7, <10'	4.00	EA	\$5,619.79	\$22,479.16
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	2,104.00	LF	\$180.20	\$379,140.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	192.00	LF	\$230.43	\$44,242.56
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,984.00	LF	\$372.58	\$1,484,358.72
570-1-1	PERFORMANCE TURF	241.83	SY	\$3.13	\$756.93
Drainage Component Total					\$2,222,146.86

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Waterways Boulevard

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Independence Drive

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75
Intersections Component Total					\$586,083.04

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	20.00	AS	\$351.72	\$7,034.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	2.00	AS	\$9,107.62	\$18,215.24
Signing Component Total					\$42,125.48

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Waterways Boulevard
Intersection**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00 LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00 LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00 EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00 EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00 EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00 AS	\$995.45	\$19,909.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00 EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$682.09	\$1,364.18
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$229.72	\$459.44
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32

Signalizations Component Total

\$903,072.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,200.24	LF	\$8.45	\$35,492.03
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	833.68	LF	\$18.66	\$15,556.47
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00	EA	\$641.65	\$17,966.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	15,340.42	LF	\$2.48	\$38,044.24
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	28.00	EA	\$6,040.34	\$169,129.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	28.00	EA	\$620.69	\$17,379.32
Subcomponent Total					\$293,567.78
Lighting Component Total					\$293,567.78
Sequence 1 Total					\$8,605,632.56

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.454
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.86	AC	\$32,034.82	\$187,724.05
120-6	EMBANKMENT	7,447.05	CY	\$27.17	\$202,336.35
Earthwork Component Total					\$390,060.40

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,882.84	SY	\$5.84	\$145,315.79
285-709	OPTIONAL BASE,BASE GROUP 09	22,131.12	SY	\$23.11	\$511,450.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,651.63	TN	\$171.48	\$626,181.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,825.82	TN	\$139.13	\$254,026.34

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	307.00	EA	\$4.46	\$1,369.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.64	GM	\$902.22	\$3,284.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.64	GM	\$383.00	\$1,394.12

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,400.00	LF	\$193.50	\$464,400.00

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,399.76	LF	\$27.17	\$65,201.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,599.84	SY	\$41.10	\$65,753.42

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,799.52	LF	\$1.89	\$9,071.09
104-11	FLOATING TURBIDITY BARRIER	113.62	LF	\$12.50	\$1,420.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	113.62	LF	\$4.09	\$464.71
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	24.00	EA	\$101.77	\$2,442.48
107-1	LITTER REMOVAL	11.57	AC	\$49.70	\$575.03
107-2	MOWING	11.57	AC	\$70.39	\$814.41

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	4,799.52	LF	\$29.08	\$139,570.04
570-1-1	PERFORMANCE TURF	2,666.40	SY	\$3.13	\$8,345.83
Median Component Total					\$147,915.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.18	CY	\$1,477.99	\$12,089.96
425-1-351	INLETS, CURB, TYPE P-5, <10'	17.00	EA	\$6,251.47	\$106,274.99
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	\$8,530.50	\$42,652.50
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,208.00	LF	\$180.20	\$217,681.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	112.00	LF	\$230.43	\$25,808.16
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,280.00	LF	\$372.58	\$849,482.40
570-1-1	PERFORMANCE TURF	138.17	SY	\$3.13	\$432.47
Drainage Component Total					\$1,286,631.88

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	4
Mainline No. of Right Turn Lanes	2
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	4
Cross Street No. of Right Turn Lanes	2
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.75	AC	\$32,034.82	\$88,095.76

120-1	REGULAR EXCAVATION	2,458.78 CY	\$21.41	\$52,642.48
160-4	TYPE B STABILIZATION	3,032.31 SY	\$5.84	\$17,708.69
160-4	TYPE B STABILIZATION	5,936.69 SY	\$5.84	\$34,670.27
285-709	OPTIONAL BASE,BASE GROUP 09	3,032.31 SY	\$23.11	\$70,076.68
285-709	OPTIONAL BASE,BASE GROUP 09	5,936.69 SY	\$23.11	\$137,196.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.33 TN	\$171.48	\$85,796.59
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	979.55 TN	\$171.48	\$167,973.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	489.78 TN	\$139.13	\$68,143.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	250.17 TN	\$139.13	\$34,806.15
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$29.08	\$11,797.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,058.00 LF	\$27.17	\$28,745.86
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	570.00 LF	\$44.08	\$25,125.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	370.00 LF	\$44.08	\$16,309.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	587.78 SY	\$41.10	\$24,157.76
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	\$52.59	\$9,144.88
570-1-1	PERFORMANCE TURF	587.78 SY	\$3.13	\$1,839.75

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Intersection leading into Sirius XM Radio building.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$32,034.82	\$22,424.37
120-1	REGULAR EXCAVATION	371.15	CY	\$21.41	\$7,946.32
160-4	TYPE B STABILIZATION	595.53	SY	\$5.84	\$3,477.90
160-4	TYPE B STABILIZATION	896.13	SY	\$5.84	\$5,233.40
285-709	OPTIONAL BASE,BASE GROUP 09	595.53	SY	\$23.11	\$13,762.70
285-709	OPTIONAL BASE,BASE GROUP 09	896.13	SY	\$23.11	\$20,709.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	98.26	TN	\$171.48	\$16,849.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	147.86	TN	\$171.48	\$25,355.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	73.93	TN	\$139.13	\$10,285.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	49.13	TN	\$139.13	\$6,835.46

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	249.00 LF	\$27.17	\$6,765.33
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	138.33 SY	\$41.10	\$5,685.36
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	138.33 SY	\$3.13	\$432.97
Intersections Component Total				\$1,027,515.83

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00	AS	\$351.72	\$3,868.92
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,060.06	\$1,060.06
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	\$7,377.86	\$7,377.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	\$9,107.62	\$9,107.62
Signing Component Total					\$21,414.46

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

SW 10th Street and Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	700.00	LF	\$8.45	\$5,915.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	300.00	LF	\$18.66	\$5,598.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102		20.00	EA	\$172.57	\$3,451.40

	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2			
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32
Signalizations Component Total				\$457,918.84

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description				Value
Spacing				MIN
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,399.76 LF	\$8.45	\$20,277.97
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	476.32 LF	\$18.66	\$8,888.13
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$641.65	\$10,266.40
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,764.58 LF	\$2.48	\$21,736.16
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	16.00 EA	\$6,040.34	\$96,645.44
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00 EA	\$620.69	\$9,931.04
Subcomponent Total				\$167,745.14
Lighting Component Total				\$167,745.14
Sequence 2 Total				\$5,654,449.73

Sequence: 3 NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	39.75 / 44.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.155
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.83	AC	\$32,034.82	\$378,971.92
120-6	EMBANKMENT	20,325.74	CY	\$27.17	\$552,250.36
Earthwork Component Total					\$931,222.28

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	32.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	48,338.98	SY	\$5.84	\$282,299.64
285-709	OPTIONAL BASE,BASE GROUP 09	41,344.34	SY	\$23.11	\$955,467.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,821.82	TN	\$171.48	\$1,169,805.69
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,410.91	TN	\$139.13	\$474,559.91

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	468.00	EA	\$4.46	\$2,087.28
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.24	GM	\$902.22	\$8,336.51
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.62	GM	\$383.00	\$1,769.46

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,100.00	LF	\$193.50	\$1,180,350.00

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,099.98	LF	\$27.17	\$165,736.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6,777.76	SY	\$41.10	\$278,565.94

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,199.97	LF	\$1.89	\$23,057.94
104-11	FLOATING TURBIDITY BARRIER	288.82	LF	\$12.50	\$3,610.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	288.82	LF	\$4.09	\$1,181.27
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$2,083.20	\$4,166.40
104-18	INLET PROTECTION SYSTEM	59.00	EA	\$101.77	\$6,004.43
107-1	LITTER REMOVAL	29.40	AC	\$49.70	\$1,461.18
107-2	MOWING	29.40	AC	\$70.39	\$2,069.47

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,199.97	LF	\$29.08	\$354,775.13
570-1-1	PERFORMANCE TURF	6,777.76	SY	\$3.13	\$21,214.39
Median Component Total					\$375,989.52

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	20.80	CY	\$1,477.99	\$30,742.19
425-1-351	INLETS, CURB, TYPE P-5, <10'	42.00	EA	\$6,251.47	\$262,561.74
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	\$8,530.50	\$102,366.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	\$5,116.81	\$30,700.86
425-2-41	MANHOLES, P-7, <10'	6.00	EA	\$5,619.79	\$33,718.74
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,056.00	LF	\$180.20	\$550,691.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	272.00	LF	\$230.43	\$62,676.96
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,784.00	LF	\$372.58	\$2,155,002.72
570-1-1	PERFORMANCE TURF	351.21	SY	\$3.13	\$1,099.29
Drainage Component Total					\$3,229,559.70

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 30th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09

120-1	REGULAR EXCAVATION	628.29 CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97 SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01 SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01 SY	\$23.11	\$35,058.10
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97 SY	\$23.11	\$26,136.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61 TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31 TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31 TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15 TN	\$139.13	\$17,412.12
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	628.29	CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.11	\$35,058.10
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31	TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15	TN	\$139.13	\$17,412.12
520-1-7		101.42	LF	\$29.08	\$2,949.29

	CONCRETE CURB & GUTTER, TYPE E			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 3**Description**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 24th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	772.70	CY	\$21.41	\$16,543.51
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,865.68	SY	\$5.84	\$10,895.57
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,865.68	SY	\$23.11	\$43,115.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.84	TN	\$171.48	\$52,788.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	153.92	TN	\$139.13	\$21,414.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78	SY	\$3.13	\$822.50
Intersections Component Total					\$892,815.45

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	28.00	AS	\$351.72	\$9,848.16
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,060.06	\$3,180.18
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00	AS	\$7,377.86	\$22,133.58
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00	AS	\$9,107.62	\$27,322.86
Signing Component Total					\$62,484.78

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$8.45	\$6,337.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$18.66	\$4,665.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65	\$10,266.40
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$40,041.33	\$160,165.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$995.45	\$11,945.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$172.57	\$2,070.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,322.11	\$15,865.32
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32
Signalizations Component Total					\$256,950.10

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description****Value**

Spacing Pay Items		MIN		
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,099.98 LF	\$8.45	\$51,544.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,210.75 LF	\$18.66	\$22,592.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	41.00 EA	\$641.65	\$26,307.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,278.81 LF	\$2.48	\$55,251.45
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	41.00 EA	\$6,040.34	\$247,653.94
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	41.00 EA	\$620.69	\$25,448.29
Subcomponent Total				\$428,798.75
Lighting Component Total				\$428,798.76
Sequence 3 Total				\$10,738,350.12

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	55.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.16	AC	\$32,034.82	\$229,369.31
120-6	EMBANKMENT	10,157.16	CY	\$27.17	\$275,970.04
Earthwork Component Total					\$505,339.35

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	28,099.39	SY	\$5.84	\$164,100.44
285-709	OPTIONAL BASE,BASE GROUP 09	24,888.75	SY	\$23.11	\$575,179.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$171.48	\$704,206.63
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	2,053.32	TN	\$139.13	\$285,678.41

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.46	\$1,596.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$902.22	\$3,825.41
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$383.00	\$1,623.92

Roadway Component Total

\$1,736,210.50

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Value
8.25 / 8.25

Total Outside Shoulder Perf. Turf Width L/R

0.00 / 0.00

Sidewalk Width L/R

6.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,733.31	SY	\$41.10	\$153,439.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.89	\$10,583.94
104-11	FLOATING TURBIDITY BARRIER	132.57	LF	\$12.50	\$1,657.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	132.57	LF	\$4.09	\$542.21
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	28.00	EA	\$101.77	\$2,849.56
107-1	LITTER REMOVAL	13.50	AC	\$49.70	\$670.95
107-2	MOWING	13.50	AC	\$70.39	\$950.27

Shoulder Component Total

\$324,927.22

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value
15.50

Performance Turf Width

10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	5,599.97	LF	\$29.08	\$162,847.13
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$3.13	\$9,737.71

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$1,477.99	\$14,114.80
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,251.47	\$125,029.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$8,530.50	\$51,183.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,408.00	LF	\$180.20	\$253,721.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00	LF	\$230.43	\$29,495.04
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,656.00	LF	\$372.58	\$989,572.48
570-1-1	PERFORMANCE TURF	161.21	SY	\$3.13	\$504.59
Drainage Component Total					\$1,495,830.71

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	13.00	AS	\$351.72	\$4,572.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00	AS	\$9,107.62	\$18,215.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-111	OH STATIC SIGN STR, F&I, C UP TO 20 FT	2.00	EA	\$42,470.64	\$84,941.28
700-4-121	OH STATIC SIGN STR, F&I, S UP TO 20 FT	2.00	EA	\$108,189.34	\$216,378.68
Signing Component Total					\$340,983.40

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,799.98	LF	\$8.45	\$23,659.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	555.75	LF	\$18.66	\$10,370.30
635-2-11		19.00	EA	\$641.65	\$12,191.35

Value

MIN

	PULL & SPLICE BOX, F&I, 13" x 24"			
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,226.31 LF	\$2.48	\$25,361.25
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	19.00 EA	\$6,040.34	\$114,766.46
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	19.00 EA	\$620.69	\$11,793.11
	Subcomponent Total			\$198,142.29
	Lighting Component Total			\$198,142.30
<hr/>				
Sequence 4 Total				\$4,774,018.32
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Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 0.617 MI
3,260 LF**Description:** Express Lane (concrete) section along SW 10th Street from Florida's Turnpike to Military Trail w/
1200' of Fully Depressed Section (35' below grade) w/ 980' transition on each side.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.55 AC	\$32,034.82	\$241,862.89

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	285,419.00 CY	\$21.41	\$6,110,820.79

Earthwork Component Total	\$6,352,683.68
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	0
Roadway Pavement Width L/R	0.00 / 0.00
Structural Spread Rate	0
Friction Course Spread Rate	80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-5-4	CONC TRAF RAIL- BRG, 32" VERT FACE	6,520.00 LF	\$95.12	\$620,182.40

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
XX-XXX-XX1	ADJUSTMENT FOR CONSTRUCTION IN WATER	1.00 EA	\$11,612,076.63	\$11,612,076.63

Comment: Based on 10% of the cost for the depressed section to account for the construction in water.

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.94 GM	\$902.22	\$4,456.97

Roadway Component Total

\$12,236,716.00

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	31,460.46 LF	\$1.89	\$59,460.27
104-11	FLOATING TURBIDITY BARRIER	572.93 LF	\$12.50	\$7,161.62
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	572.93 LF	\$4.09	\$2,343.28
104-15	SOIL TRACKING PREVENTION DEVICE	3.00 EA	\$2,083.20	\$6,249.60
104-18	INLET PROTECTION SYSTEM	14.00 EA	\$101.77	\$1,424.78
107-1	LITTER REMOVAL	55.55 AC	\$49.70	\$2,760.84
107-2	MOWING	55.55 AC	\$70.39	\$3,910.16

Shoulder Component Total

\$83,310.56

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	0.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	0.00 / 0.00
Paved Median Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	3,060.00 LF	\$197.19	\$603,401.40

Median Component Total

\$603,401.40

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	110.00 EA	\$6,856.78	\$754,245.80

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
425-1-791	INLETS, MED BARRIER, TYPE 2, J BOT, <=10'	55.00 EA	\$5,600.00	\$308,000.00
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	5,504.00 LF	\$149.67	\$823,783.68
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	12,104.00 LF	\$372.58	\$4,509,708.32
430-175-172	PIPE CULV, OPT MATL, ROUND, 72"S/CD	904.00 LF	\$521.18	\$471,146.72

Comment: 3-72" box culverts at canal crossing.**Drainage Component Total**

\$6,866,884.52

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00 AS	\$351.72	\$1,758.60
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	56.00 AS	\$1,060.06	\$59,363.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00 AS	\$4,857.14	\$24,285.70
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	14.00 AS	\$7,377.86	\$103,290.04

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-207	SIGN PANEL, F&I OM, 201-300 SF Comment: Local exits panels.	7.00 EA	\$5,879.77	\$41,158.39
700-3-208	SIGN PANEL, F&I OM, 301-400 SF Comment: I-95 direct connect panel.	1.00 EA	\$9,137.52	\$9,137.52
700-4-112	OH STATIC SIGN STR, F&I, C 21-30 FT Comment: Structure for local exits panels.	7.00 EA	\$55,933.60	\$391,535.20
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT Comment: Structure for EL DMS and I-95 Direct connect panels.	3.00 EA	\$42,409.29	\$127,227.87
700-4-125		5.00 EA	\$197,000.00	\$985,000.00

	OH STATIC SIGN STR, F&I, S 51-100 FT			
	Comment: Structures for Express Lanes and Toll Amounts panels.			
700-7-132	EMBED DYNAMIC MESS SIGN, F&I, FULL,12-20	4.00 EA	\$27,589.55	\$110,358.20
	Comment: T-DMS bricks			
700-8-135	FRONT ACC DYN MESS SIGN, F&I, FUL,51-100	3.00 EA	\$73,326.96	\$219,980.88
	Comment: Lane Status DMS			
700-8-136	FRONT ACC DYN MESS SIGN, F&I, FULL,101-	1.00 EA	\$104,433.33	\$104,433.33
	Comment: Express Lanes DMS			
700-9-117	WALK-IN DYN MESS SIGN,F&I, MONO,201-	1.00 EA	\$75,000.00	\$75,000.00
	Comment: GP Lanes DMS			
Signing Component Total				\$2,252,529.09

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,667.00	LF	\$8.45	\$64,786.15
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,556.00	LF	\$18.66	\$47,694.96
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	4,646.00	LF	\$3.79	\$17,608.34
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	9,293.00	LF	\$4.00	\$37,172.00
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	323.00	EA	\$51.31	\$16,573.13
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	16.00	EA	\$942.34	\$15,077.44
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	16.00	EA	\$69.21	\$1,107.36
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	16.00	EA	\$77.50	\$1,240.00
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	16.00	EA	\$1,793.95	\$28,703.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	4,740.00	LF	\$4.24	\$20,097.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00	EA	\$641.65	\$12,191.35
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	16.00	EA	\$1,280.05	\$20,480.80
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	1.00	AS	\$2,651.78	\$2,651.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30,666.00	LF	\$4.88	\$149,650.08
641-3-169	CONCRETE CCTV POLE, FUR & INS W/LOW	4.00	EA	\$29,728.00	\$118,912.00
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	7.00	EA	\$2,250.00	\$15,750.00
660-3-12		7.00	EA	\$13,500.00	\$94,500.00

	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO			
676-2-122	ITS CABINET- F&I, POLE, 336S	8.00 EA	\$6,600.00	\$52,800.00
676-2-143	ITS CABINET- F&I, BASE, 334	8.00 EA	\$10,633.33	\$85,066.64
676-2-400	ITS CABINET- RELOCATE	2.00 EA	\$2,708.64	\$5,417.28
682-1-111	ITS CCTV CAMERA, F&I, DOME ENCL-PRES.	4.00 EA	\$7,180.53	\$28,722.12
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	17.00 EA	\$3,711.50	\$63,095.50
684-2-1	DEVICE SERVER, F&I	7.00 EA	\$1,500.00	\$10,500.00
684-3-11	DIGITAL VIDEO ENC W SO, F&I HARD ENCODER	4.00 EA	\$2,917.45	\$11,669.80

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
639-5-1	EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW	3.00 EA	\$39,679.10	\$119,037.30
641-2-13	PREST CNC POLE, F&I, TYP P-III	7.00 EA	\$9,785.71	\$68,499.97
78X-XX-XXX	TOLL GANTRY SYSTEM, 2 LANE	3.00 EA	\$800,000.00	\$2,400,000.00
Intelligent Traffic System (ITS) Component Total				\$3,509,004.80

LIGHTING COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	12,100.00 LF	\$8.45	\$102,245.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	2,400.00 LF	\$18.66	\$44,784.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	81.00 EA	\$641.65	\$51,973.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	45,000.00 LF	\$2.48	\$111,600.00
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	81.00 EA	\$6,040.34	\$489,267.54
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	81.00 EA	\$620.69	\$50,275.89
Lighting Component Total				\$850,146.08

BRIDGES COMPONENT**Bridge X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-3-20	CONC CLASS III, SEAL	51,771.00 CY	\$1,368.00	\$70,822,728.00
	Comment: 5.5' depth of concrete for tremie slab for depressed section.			
400-4-5	CONC CLASS IV, SUBSTRUCTURE	48,289.00 CY	\$1,112.06	\$53,700,265.34
	Comment: 4' depth of concrete for depressed section.			
415-1-5	REINF STEEL- SUBSTRUCTURE	5,395,349.50 LB	\$1.18	\$6,366,512.41
	Comment: Actual quantity of reinforcing steel is 10,790,699 lbs. LRE will not allow a value over 10,000,000 lbs. Multiplied cost by 2 to account for entire reinforcing steel.			

451-70	PREST SOIL ANCHORS Comment: For depressed section.	1,491.00 EA	\$4,796.99	\$7,152,312.09
451-70-1	PREST SOIL ANCHOR, PERFORMANCE TEST Comment: For depressed section.	373.00 EA	\$1,267.67	\$472,840.91
451-70-2	PREST SOIL ANCHOR, CREEP TEST Comment: For depressed section.	373.00 EA	\$1,696.43	\$632,768.39
455-87	ANCHOR BAR, STEEL	1,430.00 EA	\$1,041.63	\$1,489,530.90
455-133-2	SHEET PILING STEEL, TEMPORARY-CRITICAL Comment: For depressed section.	399,594.00 SF	\$24.75	\$9,889,951.50

Bridge EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
XXX-XX-XX1	WATERPROOF LINER Comment: For depressed section.	487,880.00 SF	\$1.00	\$487,880.00
XXX-XX-XX2	ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of the cost for the depressed section to account for the construction in water.	1.00 LS	\$16,594,857.94	\$16,594,857.94
Bridge Total				\$167,609,647.48
Bridges Component Total				\$167,609,647.48

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-11	CONC CLASS IV, RETAINING WALLS	4,381.00 CY	\$1,831.31	\$8,022,969.11
448-73	PUMPING STATION- DRAINAGE	2.00 LS	\$400,000.00	\$800,000.00
Miscellaneous Component Total				\$8,822,969.11
Sequence 5 Total				\$209,187,292.72

Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,400.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$225.86
Basic Bridge Cost	\$31,815,000.00
Description	EXPRESS BRIDGE OVER POWERLINE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 1 Total					\$31,937,129.03

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	800.00
Width (LF)	30.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.51
Basic Bridge Cost	\$5,400,000.00
Description	BRIDGE OVER DEPRESSED SECTION (RAMP B).

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$370.90	\$24,727.90
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$0.99	\$11,550.58
Bridge 2 Total					\$5,436,278.48

Bridge 3

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	650.00
Width (LF)	51.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.86
Basic Bridge Cost	\$7,458,750.00
Description	EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	113.33	CY	\$370.90	\$42,034.10
415-1-9	REINF STEEL- APPROACH SLABS	19,832.75	LB	\$0.99	\$19,634.42
Bridge 3 Total					\$7,520,418.52

Bridge 4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	750.00
Width (LF)	30.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.61
Basic Bridge Cost	\$5,062,500.00
Description	RAMP A - ON RAMP TO EB EXPRESS LANES FROM POWERLINE ROAD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$370.90	\$24,727.90
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$0.99	\$11,550.58
Bridge 4 Total					\$5,098,778.48
Bridges Component Total					\$49,992,604.51

Sequence 6 Total

\$49,992,604.51

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Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Express Lanes (Asphalt)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.90	AC	\$32,034.82	\$381,214.36
120-6	EMBANKMENT	199,613.00	CY	\$27.17	\$5,423,485.21
Earthwork Component Total					\$5,804,699.57

ROADWAY COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	75,556.00	SY	\$5.84	\$441,247.04
285-709	OPTIONAL BASE,BASE GROUP 09	71,822.00	SY	\$23.11	\$1,659,806.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	11,851.00	TN	\$171.48	\$2,032,209.48
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	5,925.00	TN	\$139.13	\$824,345.25
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	3,100.00	LF	\$197.19	\$611,289.00

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
339-1	MISCELLANEOUS ASPHALT PAVEMENT	183.33	TN	\$232.34	\$42,594.89
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	7,500.00	LF	\$193.50	\$1,451,250.00
536-1-1	GUARDRAIL- ROADWAY, GEN TL-3	5,500.00	LF	\$20.34	\$111,870.00
Roadway Component Total					\$7,174,612.08

Sequence 7 Total	\$12,979,311.65
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Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** Non-Traffic Bridges**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	400.00 CY	\$27.17	\$10,868.00
570-1-2	PERFORMANCE TURF, SOD	1,200.00 SY	\$3.90	\$4,680.00
Roadway Component Total				\$15,548.00

BRIDGES COMPONENT**Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	107.00
Width (LF)	100.00
Type	Pedestrian Overpass
Cost Factor	1.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$95.00
Factored Cost per SF	\$95.00
Final Cost per SF	\$95.00
Basic Bridge Cost	\$1,016,500.00
Description	NON-TRAFFIC BRIDGE 1

Bridge 1 Total \$1,016,500.00**Bridges Component Total** \$1,016,500.00**Sequence 8 Total** \$1,032,048.00

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** NOISE WALLS**ROADWAY COMPONENT****Peripherals Subcomponent**

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	10,700.00
Noise Barrier Wall Begin Height	22.00
Noise Barrier Wall End Height	22.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	235,400.00	SF	\$33.60	\$7,909,440.00
Roadway Component Total					\$7,909,440.00

Sequence 9 Total	\$7,909,440.00
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Sequence: 10 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Ramp A and Ramp B (EL connects to SW 10th Street)**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 0.00
Incidental Clearing and Grubbing Area	0.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.98	AC	\$32,034.82	\$63,428.94
120-1	REGULAR EXCAVATION	2,389.00	CY	\$21.41	\$51,148.49
120-6	EMBANKMENT	9,498.00	CY	\$27.17	\$258,060.66
Earthwork Component Total					\$372,638.09

ROADWAY COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	9,553.00	SY	\$5.84	\$55,789.52
285-709	OPTIONAL BASE,BASE GROUP 09	8,598.00	SY	\$23.11	\$198,699.78
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,419.00	TN	\$171.48	\$243,330.12
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	709.00	TN	\$139.13	\$98,643.17

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	4,200.00	LF	\$193.50	\$812,700.00
Roadway Component Total					\$1,409,162.59

Sequence 10 Total**\$1,781,800.68**

Sequence: 11 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID	1.00	DA	\$3,300.00	\$3,300.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00
Roadway Component Total					\$11,300.00
Sequence 11 Total					\$11,300.00

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01**Letting Date:** 12/2023**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Market Area:** 12**Units:** English**Contract Class:** 9 Lump Sum Project: N**Design/Build:** Y**Project Length:** 2.158 MI**Project Manager:** BOSTIAN**Version 20 Project Grand Total****\$401,319,303.21****Description:** SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 245 - PARTIALLY DEPRESSED. 2019 LRE UPDATE.**Project Sequences Subtotal****\$312,666,248.29**

102-1	Maintenance of Traffic	10.00 %	\$31,266,624.83
101-1	Mobilization	8.00 %	\$27,514,629.85

Project Sequences Total**\$371,447,502.97**

Project Unknowns	0.00 %	\$0.00
Design/Build	8.00 %	\$29,715,800.24

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal**\$156,000.00****Version 20 Project Grand Total****\$401,319,303.21**

Non-Depressed / No Managed Lane Access with Westbound Exit Ramp Alternative

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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 21 Project Grand Total**\$125,577,488.63**

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 246 - NO DEPRESSED, NO RAMPS. 2019 LRE UPDATE.

Sequence: 1 NDU - New Construction, Divided, Urban

Net Length: 0.796 MI
4,200 LFDescription: SW 10th Street from Florida's Turnpike to Independence Drive (Sta. 2008+00 to Sta. 2042+00)
at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.796
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	10.28	AC	\$32,034.82	\$329,317.95
120-6	EMBANKMENT	13,056.95	CY	\$27.17	\$354,757.33

Earthwork Component Total**\$684,075.28****ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	43,551.82	SY	\$5.84	\$254,342.63
285-709	OPTIONAL BASE,BASE GROUP 09	38,735.55	SY	\$23.11	\$895,178.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,391.37	TN	\$171.48	\$1,095,992.13
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	3,195.68	TN	\$139.13	\$444,614.96

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other
Pavement Type
Solid Stripe No. of Paint Applications
Solid Stripe No. of Stripes
Skip Stripe No. of Paint Applications
Skip Stripe No. of Stripes

Value

N
Asphalt
2
4
2
4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	537.00	EA	\$4.46	\$2,395.02
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	6.36	GM	\$902.22	\$5,738.12
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	6.36	GM	\$383.00	\$2,435.88

Peripherals Subcomponent**Description**

Off Road Bike Path(s)
Off Road Bike Path Width L/R
Bike Path Structural Spread Rate
Noise Barrier Wall Length
Noise Barrier Wall Begin Height
Noise Barrier Wall End Height

Value

0
0.00 / 0.00
0
0.00
0.00
0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	3,400.00	LF	\$193.50	\$657,900.00

Roadway Component Total

\$3,358,597.30

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R
Total Outside Shoulder Perf. Turf Width L/R
Sidewalk Width L/R

Value

0.00 / 8.25
0.00 / 0.00
0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	4,200.24	LF	\$27.17	\$114,120.52

522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	2,800.16 SY	\$41.10	\$115,086.58
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Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	8,400.48	LF	\$1.89	\$15,876.91
104-11	FLOATING TURBIDITY BARRIER	198.88	LF	\$12.50	\$2,486.00
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	198.88	LF	\$4.09	\$813.42
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	41.00	EA	\$101.77	\$4,172.57
107-1	LITTER REMOVAL	20.25	AC	\$49.70	\$1,006.42
107-2	MOWING	20.25	AC	\$70.39	\$1,425.40
Shoulder Component Total					\$257,071.03

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value

15.50

Performance Turf Width

10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	8,400.48	LF	\$29.08	\$244,285.96
570-1-1	PERFORMANCE TURF	4,666.93	SY	\$3.13	\$14,607.49
Median Component Total					\$258,893.45

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	14.32	CY	\$1,477.99	\$21,164.82
425-1-351	INLETS, CURB, TYPE P-5, <10'	29.00	EA	\$6,251.47	\$181,292.63
425-1-451	INLETS, CURB, TYPE J-5, <10'	8.00	EA	\$8,530.50	\$68,244.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	4.00	EA	\$5,116.81	\$20,467.24
425-2-41	MANHOLES, P-7, <10'	4.00	EA	\$5,619.79	\$22,479.16
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	2,104.00	LF	\$180.20	\$379,140.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	192.00	LF	\$230.43	\$44,242.56
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	3,984.00	LF	\$372.58	\$1,484,358.72
570-1-1	PERFORMANCE TURF	241.83	SY	\$3.13	\$756.93
Drainage Component Total					\$2,222,146.86

INTERSECTIONS COMPONENT

Intersection 1

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Waterways Boulevard

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75

Intersection 2

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	2
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Independence Drive

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	738.74	CY	\$21.41	\$15,816.42
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,783.68	SY	\$5.84	\$10,416.69
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,783.68	SY	\$23.11	\$41,220.84
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	124.41	TN	\$171.48	\$21,333.83
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	294.31	TN	\$171.48	\$50,468.28
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	62.20	TN	\$139.13	\$8,653.89
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	147.15	TN	\$139.13	\$20,472.98
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	449.00	LF	\$27.17	\$12,199.33
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	249.44	SY	\$41.10	\$10,251.98
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	249.44	SY	\$3.13	\$780.75
Intersections Component Total					\$586,083.04

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	20.00	AS	\$351.72	\$7,034.40
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101- 200 SF	2.00	AS	\$9,107.62	\$18,215.24
Signing Component Total					\$42,125.48

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	Waterways Boulevard Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00 LF	\$8.32	\$5,824.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00 LF	\$18.35	\$5,505.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00 EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00 EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00 EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00 AS	\$995.45	\$19,909.00
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00 EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Independence Drive Intersection

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$8.32	\$5,824.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$18.35	\$5,505.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	2.00	AS	\$682.09	\$1,364.18
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$172.57	\$3,451.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	2.00	EA	\$229.72	\$459.44
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32

Signalizations Component Total

\$902,704.34

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	4,200.24	LF	\$8.32	\$34,946.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	833.68	LF	\$18.35	\$15,298.03
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	28.00	EA	\$641.65	\$17,966.20
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	15,340.42	LF	\$2.48	\$38,044.24
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	28.00	EA	\$6,040.34	\$169,129.52
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	28.00	EA	\$620.69	\$17,379.32
Subcomponent Total					\$292,763.31
Lighting Component Total					\$292,763.31
Sequence 1 Total					\$8,604,460.09

Sequence: 2 NDU - New Construction, Divided, Urban**Net Length:** 0.455 MI
2,400 LF**Description:** SW 10th Street from Independence Drive to approximately 1000' east of Powerline Road (Sta. 2042+00 to Sta. 2066+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.454
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	5.86	AC	\$32,034.82	\$187,724.05
120-6	EMBANKMENT	7,447.05	CY	\$27.17	\$202,336.35
Earthwork Component Total					\$390,060.40

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	43.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	24,882.84	SY	\$5.84	\$145,315.79
285-709	OPTIONAL BASE,BASE GROUP 09	22,131.12	SY	\$23.11	\$511,450.18
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	3,651.63	TN	\$171.48	\$626,181.51
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	1,825.82	TN	\$139.13	\$254,026.34

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	307.00	EA	\$4.46	\$1,369.22
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.64	GM	\$902.22	\$3,284.08
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	3.64	GM	\$383.00	\$1,394.12

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,400.00	LF	\$193.50	\$464,400.00

Roadway Component Total

\$2,007,421.24

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 8.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,399.76	LF	\$27.17	\$65,201.48
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,599.84	SY	\$41.10	\$65,753.42

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	4,799.52	LF	\$1.89	\$9,071.09
104-11	FLOATING TURBIDITY BARRIER	113.62	LF	\$12.50	\$1,420.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	113.62	LF	\$4.09	\$464.71
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	24.00	EA	\$101.77	\$2,442.48
107-1	LITTER REMOVAL	11.57	AC	\$49.70	\$575.03
107-2	MOWING	11.57	AC	\$70.39	\$814.41

Shoulder Component Total

\$147,826.07

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	4,799.52	LF	\$29.08	\$139,570.04
570-1-1	PERFORMANCE TURF	2,666.40	SY	\$3.13	\$8,345.83
Median Component Total					\$147,915.87

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.18	CY	\$1,477.99	\$12,089.96
425-1-351	INLETS, CURB, TYPE P-5, <10'	17.00	EA	\$6,251.47	\$106,274.99
425-1-451	INLETS, CURB, TYPE J-5, <10'	5.00	EA	\$8,530.50	\$42,652.50
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,208.00	LF	\$180.20	\$217,681.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	112.00	LF	\$230.43	\$25,808.16
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,280.00	LF	\$372.58	\$849,482.40
570-1-1	PERFORMANCE TURF	138.17	SY	\$3.13	\$432.47
Drainage Component Total					\$1,286,631.88

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	4
Mainline No. of Right Turn Lanes	2
Mainline Design Speed	45
Cross Street Thru Lanes	4
Cross Street No. of Left Turn Lanes	4
Cross Street No. of Right Turn Lanes	2
Cross Street Design Speed	45
T-Intersection?	N
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.75	AC	\$32,034.82	\$88,095.76

120-1	REGULAR EXCAVATION	2,458.78 CY	\$21.41	\$52,642.48
160-4	TYPE B STABILIZATION	3,032.31 SY	\$5.84	\$17,708.69
160-4	TYPE B STABILIZATION	5,936.69 SY	\$5.84	\$34,670.27
285-709	OPTIONAL BASE,BASE GROUP 09	3,032.31 SY	\$23.11	\$70,076.68
285-709	OPTIONAL BASE,BASE GROUP 09	5,936.69 SY	\$23.11	\$137,196.91
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	500.33 TN	\$171.48	\$85,796.59
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	979.55 TN	\$171.48	\$167,973.23
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	489.78 TN	\$139.13	\$68,143.09
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	250.17 TN	\$139.13	\$34,806.15
520-1-7	CONCRETE CURB & GUTTER, TYPE E	405.68 LF	\$29.08	\$11,797.17
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,058.00 LF	\$27.17	\$28,745.86
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	570.00 LF	\$44.08	\$25,125.60
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	370.00 LF	\$44.08	\$16,309.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	587.78 SY	\$41.10	\$24,157.76
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	173.89 SY	\$52.59	\$9,144.88
570-1-1	PERFORMANCE TURF	587.78 SY	\$3.13	\$1,839.75

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	0
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	0
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	Intersection leading into Sirius XM Radio building.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	0.70	AC	\$32,034.82	\$22,424.37
120-1	REGULAR EXCAVATION	371.15	CY	\$21.41	\$7,946.32
160-4	TYPE B STABILIZATION	595.53	SY	\$5.84	\$3,477.90
160-4	TYPE B STABILIZATION	896.13	SY	\$5.84	\$5,233.40
285-709	OPTIONAL BASE,BASE GROUP 09	595.53	SY	\$23.11	\$13,762.70
285-709	OPTIONAL BASE,BASE GROUP 09	896.13	SY	\$23.11	\$20,709.56
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	98.26	TN	\$171.48	\$16,849.62
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	147.86	TN	\$171.48	\$25,355.03
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	73.93	TN	\$139.13	\$10,285.88
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	49.13	TN	\$139.13	\$6,835.46

520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	249.00 LF	\$27.17	\$6,765.33
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	138.33 SY	\$41.10	\$5,685.36
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	138.33 SY	\$3.13	\$432.97
Intersections Component Total				\$1,027,515.83

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	11.00	AS	\$351.72	\$3,868.92
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00	AS	\$1,060.06	\$1,060.06
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00	AS	\$7,377.86	\$7,377.86
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	1.00	AS	\$9,107.62	\$9,107.62
Signing Component Total					\$21,414.46

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

SW 10th Street and Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	700.00	LF	\$8.32	\$5,824.00
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	300.00	LF	\$18.35	\$5,505.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$641.65	\$14,116.30
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	1.00	EA	\$1,106.90	\$1,106.90
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,957.62	\$335,745.72
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$995.45	\$19,909.00
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102		20.00	EA	\$172.57	\$3,451.40

	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2			
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00 AS	\$1,322.11	\$26,442.20
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$259.33	\$1,037.32

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
649-1-11	STEEL STRAIN POLE, F&I, TYPE PS- IV	1.00 EA	\$27,407.86	\$27,407.86

Signalizations Component Total

\$485,142.70

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description				Value
Spacing				MIN
Pay Items				
Pay item	Description	Quantity	Unit	Unit Price
630-2-11	CONDUIT, F& I, OPEN TRENCH	2,399.76	LF	\$8.32
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	476.32	LF	\$18.35
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	8,764.58	LF	\$2.48
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	16.00	EA	\$6,040.34
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	16.00	EA	\$620.69
Subcomponent Total				\$167,285.51
Lighting Component Total				\$167,285.51
Sequence 2 Total				\$5,681,213.96

Sequence: 3 NDU - New Construction, Divided, Urban**Net Length:** 1.155 MI
6,100 LF**Description:** SW 10th Street from approximately 1000' east of Powerline Road to Military Trail (Sta. 2066+00 to Sta. 2127+00) at-grade roadway.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	39.75 / 44.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	1.155
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.83	AC	\$32,034.82	\$378,971.92
120-6	EMBANKMENT	20,325.74	CY	\$27.17	\$552,250.36
Earthwork Component Total					\$931,222.28

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	32.00 / 29.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	48,338.98	SY	\$5.84	\$282,299.64
285-709	OPTIONAL BASE,BASE GROUP 09	41,344.34	SY	\$23.11	\$955,467.70
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	6,821.82	TN	\$171.48	\$1,169,805.69
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	3,410.91	TN	\$139.13	\$474,559.91

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	468.00	EA	\$4.46	\$2,087.28
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	9.24	GM	\$902.22	\$8,336.51
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.62	GM	\$383.00	\$1,769.46

Peripherals Subcomponent

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	0.00
Noise Barrier Wall Begin Height	0.00
Noise Barrier Wall End Height	0.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	6,100.00	LF	\$193.50	\$1,180,350.00

Roadway Component Total

\$4,074,676.19

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 12.25
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Sidewalk Width L/R	0.00 / 10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	6,099.98	LF	\$27.17	\$165,736.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	6,777.76	SY	\$41.10	\$278,565.94

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	12,199.97	LF	\$1.89	\$23,057.94
104-11	FLOATING TURBIDITY BARRIER	288.82	LF	\$12.50	\$3,610.25
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	288.82	LF	\$4.09	\$1,181.27
104-15	SOIL TRACKING PREVENTION DEVICE	2.00	EA	\$2,083.20	\$4,166.40
104-18	INLET PROTECTION SYSTEM	59.00	EA	\$101.77	\$6,004.43
107-1	LITTER REMOVAL	29.40	AC	\$49.70	\$1,461.18
107-2	MOWING	29.40	AC	\$70.39	\$2,069.47

Shoulder Component Total

\$485,853.34

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	15.50
Performance Turf Width	10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	12,199.97	LF	\$29.08	\$354,775.13
570-1-1	PERFORMANCE TURF	6,777.76	SY	\$3.13	\$21,214.39
Median Component Total					\$375,989.52

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	20.80	CY	\$1,477.99	\$30,742.19
425-1-351	INLETS, CURB, TYPE P-5, <10'	42.00	EA	\$6,251.47	\$262,561.74
425-1-451	INLETS, CURB, TYPE J-5, <10'	12.00	EA	\$8,530.50	\$102,366.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	6.00	EA	\$5,116.81	\$30,700.86
425-2-41	MANHOLES, P-7, <10'	6.00	EA	\$5,619.79	\$33,718.74
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	3,056.00	LF	\$180.20	\$550,691.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	272.00	LF	\$230.43	\$62,676.96
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	5,784.00	LF	\$372.58	\$2,155,002.72
570-1-1	PERFORMANCE TURF	351.21	SY	\$3.13	\$1,099.29
Drainage Component Total					\$3,229,559.70

INTERSECTIONS COMPONENT**Intersection 1**

Description	Value
Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 30th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09

120-1	REGULAR EXCAVATION	628.29 CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97 SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01 SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01 SY	\$23.11	\$35,058.10
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97 SY	\$23.11	\$26,136.72
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61 TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31 TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31 TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15 TN	\$139.13	\$17,412.12
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42 LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 2**Description****Value**

Mainline No. of Left Turn Lanes	1
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	45
Cross Street Thru Lanes	1
Cross Street No. of Left Turn Lanes	1
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	35
T-Intersection?	Y
Multiplier	1
Description	SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	628.29	CY	\$21.41	\$13,451.69
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,517.01	SY	\$5.84	\$8,859.34
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,517.01	SY	\$23.11	\$35,058.10
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	250.31	TN	\$171.48	\$42,923.16
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	125.15	TN	\$139.13	\$17,412.12
520-1-7		101.42	LF	\$29.08	\$2,949.29

	CONCRETE CURB & GUTTER, TYPE E			
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00 LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00 LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00 LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78 SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94 SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78 SY	\$3.13	\$822.50

Intersection 3**Description**

Mainline No. of Left Turn Lanes	Value
Mainline No. of Right Turn Lanes	1
Mainline Design Speed	1
Cross Street Thru Lanes	45
Cross Street No. of Left Turn Lanes	2
Cross Street No. of Right Turn Lanes	1
Cross Street Design Speed	1
T-Intersection?	35
Multiplier	Y
Description	1

SW 24th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.18	AC	\$32,034.82	\$37,801.09
120-1	REGULAR EXCAVATION	772.70	CY	\$21.41	\$16,543.51
160-4	TYPE B STABILIZATION	1,130.97	SY	\$5.84	\$6,604.86
160-4	TYPE B STABILIZATION	1,865.68	SY	\$5.84	\$10,895.57
285-709	OPTIONAL BASE,BASE GROUP 09	1,130.97	SY	\$23.11	\$26,136.72
285-709	OPTIONAL BASE,BASE GROUP 09	1,865.68	SY	\$23.11	\$43,115.86
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	186.61	TN	\$171.48	\$31,999.88
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	307.84	TN	\$171.48	\$52,788.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	93.31	TN	\$139.13	\$12,982.22
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	153.92	TN	\$139.13	\$21,414.89
520-1-7	CONCRETE CURB & GUTTER, TYPE E	101.42	LF	\$29.08	\$2,949.29
520-1-10	CONCRETE CURB & GUTTER, TYPE F	473.00	LF	\$27.17	\$12,851.41
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	335.00	LF	\$44.08	\$14,766.80
520-5-11	TRAF SEP CONC-TYPE I, 4' WIDE	195.00	LF	\$44.08	\$8,595.60
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	262.78	SY	\$41.10	\$10,800.26
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	86.94	SY	\$52.59	\$4,572.17
570-1-1	PERFORMANCE TURF	262.78	SY	\$3.13	\$822.50
Intersections Component Total					\$892,815.45

SIGNING COMPONENT

Pay Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	28.00	AS	\$351.72	\$9,848.16
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	3.00	AS	\$1,060.06	\$3,180.18
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	3.00	AS	\$7,377.86	\$22,133.58
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	3.00	AS	\$9,107.62	\$27,322.86
Signing Component Total					\$62,484.78

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

SW 28th Avenue

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$8.32	\$6,240.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$18.35	\$4,587.50
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,636.15	\$5,636.15
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$641.65	\$10,266.40
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,677.51	\$2,677.51
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$4.88	\$292.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00	EA	\$40,041.33	\$160,165.32
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	12.00	AS	\$995.45	\$11,945.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$682.09	\$5,456.72
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$172.57	\$2,070.84
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,322.11	\$15,865.32
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$229.72	\$1,837.76
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,696.06	\$28,696.06
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$259.33	\$1,037.32
Signalizations Component Total					\$256,775.10

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description****Value**

Spacing Pay Items		MIN		
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	6,099.98 LF	\$8.32	\$50,751.83
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	1,210.75 LF	\$18.35	\$22,217.26
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	41.00 EA	\$641.65	\$26,307.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	22,278.81 LF	\$2.48	\$55,251.45
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	41.00 EA	\$6,040.34	\$247,653.94
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	41.00 EA	\$620.69	\$25,448.29
Subcomponent Total				\$427,630.42
Lighting Component Total				\$427,630.42
Sequence 3 Total				\$10,737,006.78

Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Powerline Road from West Drive to approximately 1000' south of SW 10th Street.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	55.75 / 55.75
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	7.16	AC	\$32,034.82	\$229,369.31
120-6	EMBANKMENT	10,157.16	CY	\$27.17	\$275,970.04
Earthwork Component Total					\$505,339.35

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	28,099.39	SY	\$5.84	\$164,100.44
285-709	OPTIONAL BASE,BASE GROUP 09	24,888.75	SY	\$23.11	\$575,179.01
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$171.48	\$704,206.63
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	2,053.32	TN	\$139.13	\$285,678.41

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.46	\$1,596.68
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$902.22	\$3,825.41
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$383.00	\$1,623.92

Roadway Component Total

\$1,736,210.50

SHOULDER COMPONENT**User Input Data****Description**

Total Outside Shoulder Width L/R

Value
8.25 / 8.25

Total Outside Shoulder Perf. Turf Width L/R

0.00 / 0.00

Sidewalk Width L/R

6.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$27.17	\$76,075.46
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,733.31	SY	\$41.10	\$153,439.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.89	\$10,583.94
104-11	FLOATING TURBIDITY BARRIER	132.57	LF	\$12.50	\$1,657.12
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	132.57	LF	\$4.09	\$542.21
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$2,083.20	\$2,083.20
104-18	INLET PROTECTION SYSTEM	28.00	EA	\$101.77	\$2,849.56
107-1	LITTER REMOVAL	13.50	AC	\$49.70	\$670.95
107-2	MOWING	13.50	AC	\$70.39	\$950.27

Shoulder Component Total

\$324,927.22

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value
15.50

Performance Turf Width

10.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	5,599.97	LF	\$29.08	\$162,847.13
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$3.13	\$9,737.71

Median Component Total

\$172,584.84

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$1,477.99	\$14,114.80
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,251.47	\$125,029.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$8,530.50	\$51,183.00
425-1-521	INLETS, DT BOT, TYPE C, <10'	3.00	EA	\$5,116.81	\$15,350.43
425-2-41	MANHOLES, P-7, <10'	3.00	EA	\$5,619.79	\$16,859.37
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	1,408.00	LF	\$180.20	\$253,721.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	128.00	LF	\$230.43	\$29,495.04
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	2,656.00	LF	\$372.58	\$989,572.48
570-1-1	PERFORMANCE TURF	161.21	SY	\$3.13	\$504.59
Drainage Component Total					\$1,495,830.71

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	13.00	AS	\$351.72	\$4,572.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,060.06	\$2,120.12
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	2.00	AS	\$7,377.86	\$14,755.72
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	2.00	AS	\$9,107.62	\$18,215.24

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-4-111	OH STATIC SIGN STR, F&I, C UP TO 20 FT	2.00	EA	\$42,470.64	\$84,941.28
700-4-121	OH STATIC SIGN STR, F&I, S UP TO 20 FT	2.00	EA	\$108,189.34	\$216,378.68
Signing Component Total					\$340,983.40

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	2,799.98	LF	\$8.32	\$23,295.83
630-2-12	CONDUIT, F&I, DIRECTIONAL BORE	555.75	LF	\$18.35	\$10,198.01
635-2-11		19.00	EA	\$641.65	\$12,191.35

Value

MIN

	PULL & SPLICE BOX, F&I, 13" x 24"			
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	10,226.31 LF	\$2.48	\$25,361.25
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	19.00 EA	\$6,040.34	\$114,766.46
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	19.00 EA	\$620.69	\$11,793.11
	Subcomponent Total			\$197,606.01
	Lighting Component Total			\$197,606.01
<hr/>				
Sequence 4 Total				\$4,773,482.03
<hr/>				

Sequence: 5NDR - New Construction, Divided, Rural**Net Length:** 2.292 MI
12,100 LF**Description:** Express Lane section along SW 10th Street from Florida's Turnpike to Military Trail, at-grade.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	50.50 / 50.50
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.000
Top of Structural Course For Begin Section	0.00
Top of Structural Course For End Section	0.00
Horizontal Elevation For Begin Section	0.00
Horizontal Elevation For End Section	0.00
Front Slope L/R	0 to 1 / 0 to 1
Median Slope L/R	0 to 1 / 0 to 1
Median Shoulder Cross Slope L/R	0.00 % / 0.00 %
Outside Shoulder Cross Slope L/R	0.00 % / 0.00 %
Roadway Cross Slope L/R	0.00 % / 0.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	28.06	AC	\$32,034.82	\$898,897.05

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	196,500.00	CY	\$27.17	\$5,338,905.00

Earthwork Component Total					\$6,237,802.05
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	0
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	129,068.54	SY	\$5.84	\$753,760.27
285-709	OPTIONAL BASE,BASE GROUP 09	66,308.96	SY	\$23.11	\$1,532,400.07
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	2,581.37	TN	\$139.13	\$359,146.01

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-4	CONC TRAF RAIL- BRG, 32" VERT FACE	24,200.00	LF	\$95.12	\$2,301,904.00

Pavement Marking Subcomponent

Description	Value
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Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	928.00 EA	\$4.46	\$4,138.88
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	18.33 GM	\$902.22	\$16,537.69
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	9.17 GM	\$383.00	\$3,512.11
Roadway Component Total				\$4,971,399.03

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips i ₆ 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	33,154.48 SY	\$21.30	\$706,190.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,774.69 TN	\$171.48	\$304,323.84
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,290.69 TN	\$262.36	\$338,625.43
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	4.58 GM	\$1,205.93	\$5,523.16

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	31,460.46 LF	\$1.89	\$59,460.27
104-11	FLOATING TURBIDITY BARRIER	572.93 LF	\$12.50	\$7,161.62
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	572.93 LF	\$4.09	\$2,343.28
104-15	SOIL TRACKING PREVENTION DEVICE	3.00 EA	\$2,083.20	\$6,249.60
104-18	INLET PROTECTION SYSTEM	14.00 EA	\$101.77	\$1,424.78
107-1	LITTER REMOVAL	55.55 AC	\$49.70	\$2,760.84
107-2	MOWING	55.55 AC	\$70.39	\$3,910.16

Shoulder Component Total**\$1,437,973.41**

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00
Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	33,154.48	SY	\$21.30	\$706,190.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,774.69	TN	\$171.48	\$304,323.84
337-7-25	ASPH CONC FC,INC BIT,FC-5,PG76-22	1,290.69	TN	\$262.36	\$338,625.43
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	12,100.00	LF	\$197.19	\$2,385,999.00
546-72-1	GROUND-IN RUMBLE STRIPS, 16"	5.00	GM	\$1,205.93	\$6,029.65
Median Component Total					\$3,741,168.34

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-551	INLETS, DT BOT, TYPE E, <10'	110.00	EA	\$6,856.78	\$754,245.80

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
425-1-791	INLETS, MED BARRIER, TYPE 2, J BOT,<=10'	55.00	EA	\$5,600.00	\$308,000.00
430-175-118	PIPE CULV, OPT MATL, ROUND, 18"S/CD	5,560.00	LF	\$149.67	\$832,165.20
430-175-130	PIPE CULV, OPT MATL, ROUND, 30"S/CD	12,104.00	LF	\$268.84	\$3,254,039.36
430-175-172	PIPE CULV, OPT MATL, ROUND, 72"S/CD	904.00	LF	\$521.18	\$471,146.72
Drainage Component Total					\$5,619,597.08

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$351.72	\$1,758.60
700-1-12	SINGLE POST SIGN, F&I GM, 12- 20 SF	56.00	AS	\$1,060.06	\$59,363.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00	AS	\$4,857.14	\$24,285.70
700-2-15	MULTI- POST SIGN, F&I GM, 51- 100 SF	14.00	AS	\$7,377.86	\$103,290.04

Signing Component Total

\$188,697.70

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT**Description of Work****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	7,667.00 LF	\$8.32	\$63,789.44
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,556.00 LF	\$18.35	\$46,902.60
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	4,646.00 LF	\$3.79	\$17,608.34
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	9,293.00 LF	\$4.00	\$37,172.00
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	323.00 EA	\$51.31	\$16,573.13
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	16.00 EA	\$942.34	\$15,077.44
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	16.00 EA	\$69.21	\$1,107.36
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	16.00 EA	\$77.50	\$1,240.00
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	16.00 EA	\$1,793.95	\$28,703.20
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	4,740.00 LF	\$4.24	\$20,097.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	19.00 EA	\$641.65	\$12,191.35
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	16.00 EA	\$1,280.05	\$20,480.80
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	1.00 AS	\$2,651.78	\$2,651.78
639-2-1	ELECTRICAL SERVICE WIRE, F&I	30,666.00 LF	\$4.88	\$149,650.08
641-3-169	CONCRETE CCTV POLE, FUR & INS W/LOW	4.00 EA	\$29,728.00	\$118,912.00
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	7.00 EA	\$2,250.00	\$15,750.00
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	7.00 EA	\$13,500.00	\$94,500.00
676-2-122	ITS CABINET- F&I, POLE, 336S	8.00 EA	\$6,600.00	\$52,800.00
676-2-143	ITS CABINET- F&I, BASE, 334	8.00 EA	\$10,633.33	\$85,066.64
676-2-400	ITS CABINET- RELOCATE	2.00 EA	\$2,708.64	\$5,417.28
682-1-111	ITS CCTV CAMERA, F&I, DOME ENCL-PRES.	4.00 EA	\$7,180.53	\$28,722.12
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	17.00 EA	\$3,711.50	\$63,095.50
684-2-1	DEVICE SERVER, F&I	7.00 EA	\$1,500.00	\$10,500.00
684-3-11	DIGITAL VIDEO ENC W SO, F&I HARD ENCODER	4.00 EA	\$2,917.45	\$11,669.80

EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
639-5-1	EMERGENCY GENERATOR-PERMANENT, UP TO 25 KW	2.00 EA	\$39,679.10	\$79,358.20

641-2-13	PREST CNC POLE, F&I, TYP P-III	7.00 EA	\$9,785.71	\$68,499.97
78X-XX-XXX	TOLL GANTRY SYSTEM, 2 LANE	2.00 EA	\$800,000.00	\$1,600,000.00
Intelligent Traffic System (ITS) Component Total				\$2,667,536.63

LIGHTING COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	12,100.00	LF	\$8.32	\$100,672.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,400.00	LF	\$18.35	\$44,040.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	81.00	EA	\$641.65	\$51,973.65
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	45,000.00	LF	\$2.48	\$111,600.00
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	81.00	EA	\$6,040.34	\$489,267.54
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	81.00	EA	\$620.69	\$50,275.89
Lighting Component Total					\$847,829.08

Sequence 5 Total				\$25,712,003.32
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Sequence: 6 MIS - Miscellaneous Construction**Net Length:** 2.292 MI
12,100 LF**Description:** All bridge sections along SW 10th Street.**BRIDGES COMPONENT****Bridge 1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	830.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.46
Basic Bridge Cost	\$18,861,750.00
Description	EXPRESS BRIDGE OVER POWERLINE ROAD

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$370.90	\$83,244.80
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$0.99	\$38,884.23
Bridge 1 Total					\$18,983,879.03

Bridge 2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	51.00
Type	Overpass Bridge
Cost Factor	3.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$225.00
Final Cost per SF	\$226.21
Basic Bridge Cost	\$11,475,000.00
Description	EB EXPRESS LANES BRAIDED RAMP AT WATERWAYS BOULEVARD.

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	113.33	CY	\$370.90	\$42,034.10
415-1-9	REINF STEEL- APPROACH SLABS	19,832.75	LB	\$0.99	\$19,634.42
Bridge 2 Total					\$11,536,668.52

Bridges Component Total				\$30,520,547.55
<hr/>				
MISCELLANEOUS COMPONENT				
X-Items				
Pay item	Description	Quantity	Unit	Unit Price Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	136,000.00	SF	\$27.97 \$3,803,920.00
Miscellaneous Component Total				\$3,803,920.00
<hr/>				
Sequence 6 Total				\$34,324,467.55
<hr/>				

Sequence: 7 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** NOISE WALLS**ROADWAY COMPONENT****Peripherals Subcomponent**

Description	Value
Off Road Bike Path(s)	0
Off Road Bike Path Width L/R	0.00 / 0.00
Bike Path Structural Spread Rate	0
Noise Barrier Wall Length	10,700.00
Noise Barrier Wall Begin Height	22.00
Noise Barrier Wall End Height	22.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM	235,400.00	SF	\$33.60	\$7,909,440.00

Roadway Component Total**\$7,909,440.00****Sequence 7 Total****\$7,909,440.00**

Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Miscellaneous Construction.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID	1.00	DA	\$3,300.00	\$3,300.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00
Roadway Component Total					\$11,300.00
Sequence 8 Total					\$11,300.00

Date: 3/26/2019 12:10:30 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2023

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 21 Project Grand Total

\$125,577,488.63

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. ALTERNATIVE 246 - NO DEPRESSED, NO RAMPS. 2019 LRE UPDATE.

Project Sequences Subtotal**\$97,753,373.73**

102-1	Maintenance of Traffic	10.00 %	\$9,775,337.37
101-1	Mobilization	8.00 %	\$8,602,296.89

Project Sequences Total**\$116,131,007.99**

Project Unknowns	0.00 %	\$0.00
Design/Build	8.00 %	\$9,290,480.64

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal**\$156,000.00****Version 21 Project Grand Total****\$125,577,488.63**

With Powerline Road Ramps Alternative

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FDOT Long Range Estimating System - Production

R1: Project Summary without Components Report

Project: 439891-1-52-01

Letting Date: 12/2022

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Project Manager: BOSTIAN

Version 31 Project Grand Total **\$265,021,318.16**

Description:	SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. With Powerline Road access ramps and HDR quantities for Signing and ITS.	
<hr/>		
Sequence 1 NDR Total		\$55,820,521.31
Description:	Managed Lanes, 4 lanes with full shoulders and barrier walls.	
Sequence 2 NUR Total		\$5,831,088.66
Description:	Covers the local EB access to the connector road which includes a bridge over the WB local lanes and wall approaches.	
Sequence 3 NUR Total		\$2,314,135.19
Description:	Covers the rigid roadway pavement portion of the depressed WB Exit ramp.	
Sequence 4 NDU Total		\$34,530,440.60
Description:	6 lane local section to cover turn lanes, shldr WB.	
Sequence 5 NUR Total		\$8,266,481.25
Description:	Temporary roadway to maintain traffic for the local lanes as it is unclear whether the permanent can be put into place first due to utility relocations and critical path of the projects.	
Sequence 6 WDU Total		\$2,386,874.07
Description:	Handles work along Powerline Road.	
Sequence 7 NUU Total		\$1,516,615.16
Description:	Street extension/relocation at Quiet Waters Business Park.	
Sequence 8 MIS Total		\$52,156,202.22
Description:	depressed section construction, temp critical sheet piles, one row soil anchors and 10' grid of ground anchors. Also includes all ground mount walls.	
Sequence 9 MIS Total		\$12,424,987.30
Description:	Ground mount sound walls.	

Sequence 10 WDR Total		\$1,000,037.24
Description: Covers the widen, mill and resurfacing along the connector road west of Seq. 1 at the turnpike as well as the reconstruction of the NB to WB loop ramp.		
Sequence 11 RSD Total		\$4,749,314.24
Description: Construct Water Feature Enhancement ponds and resurface Century Blvd. from Ellesmere Dr. to Hillsboro Blvd due to pond construction.		
Sequence 12 MIS Total		\$9,745,141.76
Description: This sequence is for the corridor signing and ITS quantities developed by HDR.		
Sequence 13 MIS Total		\$13,800,000.00
Description: Sequence for Risk Based Contingency		
Project Sequences Subtotal		\$204,541,839.00
Maintenance of Traffic Mobilization	10.00 %	\$20,454,183.90
	8.00 %	\$17,999,681.83
Project Sequences Total		\$242,995,704.73
Project Unknowns Design/Build Project Non-Bid Subtotal	0.00 %	\$0.00
	9.00 %	\$21,869,613.43
		\$156,000.00
Version 31 Project Grand Total		\$265,021,318.16

Date: 6/8/2020 5:24:39 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2022

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 31 Project Grand Total

\$265,021,318.16

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. With Powerline Road access ramps and HDR quantities for Signing and ITS.

Sequence: 1 NDR - New Construction, Divided, Rural

Net Length: 2.462 MI
13,000 LF

Description: Managed Lanes, 4 lanes with full shoulders and barrier walls.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.462
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	35.81	AC	\$33,571.83	\$1,202,207.23
120-6	EMBANKMENT	38,208.49	CY	\$27.91	\$1,066,398.96

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	312,952.00	CY	\$27.91	\$8,734,490.32
	Comment: EMBANKMENT FOR RETAINING WALLS - SEE CADD				

Earthwork Component Total

\$11,003,096.51

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	440
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	138,665.47	SY	\$7.65	\$1,060,790.85
285-709	OPTIONAL BASE,BASE GROUP 09	71,239.39	SY	\$26.54	\$1,890,693.41
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	15,253.20	TN	\$165.90	\$2,530,505.88
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	2,773.31	TN	\$183.10	\$507,793.06

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-0-11	CONC CLASS NS, GRAVITY WALL Comment: Superelevated section on 2500' Scheme 3 gravity wall at Quiet Waters Park	1,500.00	CY	\$623.90	\$935,850.00
415-1-1	REINF STEEL- ROADWAY Comment: Superelevated section on 2500' Scheme 3 gravity wall at Quiet Waters Park	20,000.00	LB	\$1.02	\$20,400.00
521-72-27	SHLDR CONC BAR WALL, 14' NOISE WALL Comment: NOISE WALL FOR RETAINING WALL ID 10	1,187.00	LF	\$486.94	\$577,997.78
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT Comment: SHOULDER BARRIER FOR LENGTH OF SEQUENCE, LEFT AND RIGHT SHOULDERS	5,979.00	LF	\$193.50	\$1,156,936.50
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID Comment: 1 meeting per month for 48 months.	48.00	DA	\$3,300.00	\$158,400.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	997.00	EA	\$4.25	\$4,237.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	19.70	GM	\$863.58	\$17,012.53
710-11-131	PAINTED PAVT	9.85	GM	\$372.47	\$3,668.83

MARK,STD,WHITE,SKIP, 6"

Roadway Component Total

\$8,872,286.09

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	35,619.69	SY	\$18.90	\$673,212.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.65	TN	\$165.90	\$316,313.24
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	76.27	TN	\$183.10	\$13,965.04

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	2,500.00	LF	\$268.21	\$670,525.00
Comment: Superelevated section on Scheme 3 gravity wall at Quiet Waters Park					

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	33,799.71	LF	\$1.87	\$63,205.46
104-11	FLOATING TURBIDITY BARRIER	615.52	LF	\$17.27	\$10,630.03
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	615.52	LF	\$9.50	\$5,847.44
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18
104-18	INLET PROTECTION SYSTEM	15.00	EA	\$121.94	\$1,829.10
107-1	LITTER REMOVAL	59.68	AC	\$44.12	\$2,633.08
107-2	MOWING	59.68	AC	\$80.90	\$4,828.11

Shoulder Component Total

\$1,766,582.82

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00

Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	35,619.69	SY	\$18.90	\$673,212.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.65	TN	\$165.90	\$316,313.24
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	76.27	TN	\$183.10	\$13,965.04
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	10,500.00	LF	\$177.02	\$1,858,710.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-1-13	MEDIAN CONC BARRIER, TALL GRADE SEP	8,479.00	LF	\$322.00	\$2,730,238.00
	Comment: VARIABLE GRADE WALL FOR SOUTH SIDE SHOULDER TO ACCOUNT FOR POSSIBLE ELEVATION DIFFERENCES IN LIEU OF RETAINING WALL and 2500' of variable profile wall along the superelevated section (Quiet Waters)				

Median Component Total

\$5,592,438.42

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	44.32	CY	\$2,500.00	\$110,800.00
425-1-551	INLETS, DT BOT, TYPE E, <10'	15.00	EA	\$7,279.51	\$109,192.65
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	1,976.00	LF	\$463.20	\$915,283.20
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	848.00	LF	\$195.09	\$165,436.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	728.00	LF	\$314.55	\$228,992.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	99.00	EA	\$3,868.31	\$382,962.69
570-1-1	PERFORMANCE TURF	1,733.32	SY	\$2.39	\$4,142.63

Drainage Component Total

\$1,916,809.89

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$356.03	\$1,780.15

700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	60.00 AS	\$1,111.25	\$66,675.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00 AS	\$4,644.86	\$23,224.30
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	15.00 AS	\$6,766.35	\$101,495.25
Signing Component Total				\$193,174.70

LIGHTING COMPONENT**Rural Lighting Subcomponent****Description**

Multiplier (Number of Poles)

Value

90

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	18,000.00	LF	\$10.33	\$185,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	90.00	EA	\$676.97	\$60,927.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	54,000.00	LF	\$2.60	\$140,400.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	90.00	EA	\$7,290.02	\$656,101.80
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	90.00	EA	\$572.79	\$51,551.10
Subcomponent Total					\$1,094,920.20
Lighting Component Total					\$1,094,920.20

BRIDGES COMPONENT**Bridge ML1****Description****Value**

Estimate Type

SF Estimate

Primary Estimate

YES

Length (LF)

261.00

Width (LF)

101.00

Type

Overpass Bridge

Cost Factor

2.00

Structure No.

Removal of Existing Structures area

0.00

Default Cost per SF

\$75.00

Factored Cost per SF

\$150.00

Final Cost per SF**\$155.83****Basic Bridge Cost****\$3,954,150.00**

Description

MANAGED LANES OVER POWERLINE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$505.07	\$113,357.91
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$1.03	\$40,455.31

Bridge ML1 Total

\$4,107,963.22

Bridge ML2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$160.72
Basic Bridge Cost	\$2,151,300.00
Description	MANAGED LANES OVER QUIET WATERS BUSINESS PARK ACCESS

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$505.07	\$113,357.91
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$1.03	\$40,455.31

Bridge ML2 Total

\$2,305,113.22

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-13	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE	2,806.00	LF	\$150.01	\$420,928.06
	Comment: TRAFFIC RAILINGS FOR BRIDGES ML1, ML2 AND ML4				

Bridge Total

\$420,928.06

Bridge ML4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	62.50
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$151.52
Basic Bridge Cost	\$9,375,000.00
Description	BRIDGE OVER DEPRESSED SECTION

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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400-2-10	CONC CLASS II, APPROACH SLABS	138.89 CY	\$505.07	\$70,149.17
415-1-9	REINF STEEL- APPROACH SLABS	24,305.75 LB	\$1.03	\$25,034.92
Bridge ML4 Total				\$9,470,184.09
Bridges Component Total				\$16,304,188.59

RETAINING WALLS COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-8-3	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP	11,236.00 LF	\$293.03	\$3,292,485.08
Comment: RAILING FOR RETAINING WALLS				

Retaining Wall 1

Description	Value
Length	1,433.00
Begin height	4.00
End Height	28.50
Multiplier	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	46,572.50 SF	\$29.37	\$1,367,834.32

Retaining Wall 2

Description	Value
Length	101.00
Begin height	28.50
End Height	28.50
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,878.50 SF	\$29.37	\$84,541.54

Retaining Wall 3

Description	Value
Length	365.00
Begin height	31.70
End Height	29.50
Multiplier	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	22,338.00 SF	\$29.37	\$656,067.06

Retaining Wall 4

Description	Value
Length	101.00
Begin height	31.70
End Height	31.70
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	3,201.70	SF	\$29.37	\$94,033.93

Retaining Wall 5

Description	Value
Length	101.00
Begin height	29.50
End Height	29.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,979.50	SF	\$29.37	\$87,507.92

Retaining Wall 6

Description	Value
Length	970.00
Begin height	24.50
End Height	4.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	27,645.00	SF	\$29.37	\$811,933.65

Retaining Wall 7

Description	Value
Length	101.00
Begin height	24.50
End Height	24.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,474.50	SF	\$29.37	\$72,676.06

Retaining Wall 8

Description	Value
Length	1,663.00
Begin height	5.00
End Height	25.50

Multiplier 2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	50,721.50	SF	\$29.37	\$1,489,690.46

Retaining Wall 9

Description	Value
Length	61.30
Begin height	25.50
End Height	25.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.15	SF	\$29.37	\$45,909.72

Retaining Wall 10

Description	Value
Length	1,187.00
Begin height	4.00
End Height	25.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	35,016.50	SF	\$29.37	\$1,028,434.60

Retaining Wall 11

Description	Value
Length	61.30
Begin height	25.50
End Height	25.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.15	SF	\$29.37	\$45,909.72

Retaining Walls Component Total	\$9,077,024.09
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Sequence 1 Total	\$55,820,521.31
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Sequence: 2NUR - New Construction, Undivided, Rural**Net Length:** 0.214 MI
1,130 LF**Description:** Covers the local EB access to the connector road which includes a bridge over the WB local lanes and wall approaches.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.214
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.04	AC	\$33,571.83	\$34,914.70
120-6	EMBANKMENT	978.85	CY	\$27.91	\$27,319.70

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	11,026.00	CY	\$27.91	\$307,735.66
	Comment: EMBANKMENT FOR RETAINING WALLS - SEE CADD				

Earthwork Component Total	\$369,970.06
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	15.00 / 0.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	3,389.76	SY	\$7.65	\$25,931.66
285-709	OPTIONAL BASE,BASE GROUP 09	1,924.63	SY	\$26.54	\$51,079.68
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	258.94	TN	\$165.90	\$42,958.15
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	155.36	TN	\$149.07	\$23,159.52

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	2,600.00	LF	\$193.50	\$503,100.00
Comment: SHOULDER BARRIER BOTH SIDES					

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	0.86	GM	\$863.58	\$742.68
Roadway Component Total					\$646,971.69

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	6.00 / 6.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	6.00 / 6.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	O
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	1,589.42	SY	\$18.90	\$30,040.04
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	82.86	TN	\$165.90	\$13,746.47
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	13.67	TN	\$149.07	\$2,037.79

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,937.79	LF	\$1.87	\$5,493.67
104-11	FLOATING TURBIDITY BARRIER	53.50	LF	\$17.27	\$923.94
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	53.50	LF	\$9.50	\$508.25
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$1,198.06	\$1,198.06
107-1	LITTER REMOVAL	2.59	AC	\$44.12	\$114.27
107-2	MOWING	2.59	AC	\$80.90	\$209.53

Shoulder Component Total

\$54,272.03

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	3.85	CY	\$2,500.00	\$9,625.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	176.00	LF	\$463.20	\$81,523.20
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00	LF	\$314.55	\$12,582.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	9.00	EA	\$3,868.31	\$34,814.79
570-1-1	PERFORMANCE TURF	150.66	SY	\$2.39	\$360.08
Drainage Component Total					\$138,905.07

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$356.03	\$356.03
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00	AS	\$1,111.25	\$5,556.25
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$4,644.86	\$4,644.86
Signing Component Total					\$10,557.14

BRIDGES COMPONENT**Bridge ML3****Description**

Estimate Type

Primary Estimate

Length (LF)

Width (LF)

Type

Cost Factor

Structure No.

Removal of Existing Structures area

Default Cost per SF

Factored Cost per SF

Final Cost per SF**Basic Bridge Cost**

Description

Value

SF Estimate

YES

607.00

30.00

Overpass Bridge

2.40

0.00

\$75.00

\$180.00

\$192.51**\$3,277,800.00**

MANAGED LANES RAMP OVER GP LANES

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	66.67	CY	\$505.07	\$33,673.02
415-1-9	REINF STEEL- APPROACH SLABS	11,667.25	LB	\$1.03	\$12,017.27

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-13	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE Comment: 607' x 2	1,214.00	LF	\$150.01	\$182,112.14
Bridge ML3 Total					\$3,505,602.43
Bridges Component Total					\$3,505,602.43

RETAINING WALLS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-3	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP Comment: TRAFIC RAILING FOR RETAINING WALLS 320'x2 + 426'x2	1,492.00	LF	\$293.03	\$437,200.76

Retaining Wall 1

Description	Value
Length	320.00
Begin height	4.00
End Height	24.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	9,120.00	SF	\$29.37	\$267,854.40

Retaining Wall 2

Description	Value
Length	426.00
Begin height	24.50
End Height	4.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	12,141.00	SF	\$29.37	\$356,581.17

Retaining Wall 3

Description	Value
Length	30.00
Begin height	24.50
End Height	24.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,470.00	SF	\$29.37	\$43,173.90
Retaining Walls Component Total					\$1,104,810.24
Sequence 2 Total					\$5,831,088.66

Draft

Sequence: 3NUR - New Construction, Undivided, Rural**Net Length:** 0.252 MI
1,330 LF**Description:** Covers the rigid roadway pavement portion of the depressed WB Exit ramp.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	20.00 / 20.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.252
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.22	AC	\$33,571.83	\$40,957.63
120-6	EMBANKMENT	1,180.75	CY	\$27.91	\$32,954.73

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	27,832.00	CY	\$19.67	\$547,455.44
Comment: EXCAVATION FOR DEPRESSED SECTION - SEE CADD					

Earthwork Component Total	\$621,367.80
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	1
Roadway Pavement Width L/R	27.00 / 0.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-709	OPTIONAL BASE,BASE GROUP 09	4,038.86	SY	\$26.54	\$107,191.34
350-3-9	PLAIN CEMENT CONC PAVT, 10"	3,990.10	SY	\$74.32	\$296,544.23

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	5,690.00	LF	\$193.50	\$1,101,015.00
Comment: SHOULDER BARRIER BOTH SIDES					

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	1.01	GM	\$863.58	\$872.22

Roadway Component Total

\$1,505,622.79

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	0.00 / 0.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	0

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	3,458.08	LF	\$1.87	\$6,466.61
104-11	FLOATING TURBIDITY BARRIER	62.98	LF	\$17.27	\$1,087.66
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	62.98	LF	\$9.50	\$598.31
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$1,198.06	\$1,198.06
107-1	LITTER REMOVAL	3.05	AC	\$44.12	\$134.57
107-2	MOWING	3.05	AC	\$80.90	\$246.74

Shoulder Component Total

\$9,731.96

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.53	CY	\$2,500.00	\$11,325.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	208.00	LF	\$463.20	\$96,345.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	48.00	LF	\$314.55	\$15,098.40

430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	11.00 EA	\$3,868.31	\$42,551.41
570-1-1	PERFORMANCE TURF	177.34 SY	\$2.39	\$423.84
Drainage Component Total				\$165,744.25

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00	AS	\$356.03	\$356.03
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	6.00	AS	\$1,111.25	\$6,667.50
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00	AS	\$4,644.86	\$4,644.86
Signing Component Total					\$11,668.39

Sequence 3 Total					\$2,314,135.19
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Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 2.248 MI
11,870 LF**Description:** 6 lane local section to cover turn lanes, shldr WB.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.248
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	32.70	AC	\$33,571.83	\$1,097,798.84
120-6	EMBANKMENT	74,311.49	CY	\$27.91	\$2,074,033.69

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	27,239.00	CY	\$27.91	\$760,240.49
Comment: EMBANKMENT FOR RETAINING WALL SECTION FOR BRIDGE GP1					

Earthwork Component Total

\$3,932,073.02

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	33.00 / 33.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	100,657.33	SY	\$7.65	\$770,028.57
285-709	OPTIONAL BASE,BASE GROUP 09	87,046.43	SY	\$26.54	\$2,310,212.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	14,362.66	TN	\$165.90	\$2,382,765.29
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	7,181.33	TN	\$149.07	\$1,070,520.86

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	4,000.00	LF	\$193.50	\$774,000.00
	Comment: barrier wall along the northern edge east of Powerline Road.				

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	1,517.00	EA	\$4.25	\$6,447.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	17.98	GM	\$863.58	\$15,527.17
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	17.98	GM	\$372.47	\$6,697.01
Roadway Component Total					\$7,336,198.40

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.25 / 19.25
Total Outside Shoulder Perf. Turf Width L/R	10.00 / 5.00
Sidewalk Width L/R	0.00 / 12.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	11,869.97	LF	\$28.39	\$336,988.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	11,869.97	LF	\$28.39	\$336,988.45
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	15,826.62	SY	\$40.91	\$647,467.02
570-1-1	PERFORMANCE TURF	19,783.28	SY	\$2.39	\$47,282.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	23,739.94	LF	\$1.87	\$44,393.69
104-11	FLOATING TURBIDITY BARRIER	562.02	LF	\$17.27	\$9,706.09
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	562.02	LF	\$9.50	\$5,339.19
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18

104-18	INLET PROTECTION SYSTEM	115.00 EA	\$121.94	\$14,023.10
107-1	LITTER REMOVAL	57.21 AC	\$44.12	\$2,524.11
107-2	MOWING	57.21 AC	\$80.90	\$4,628.29
Shoulder Component Total				\$1,452,934.61

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	20.00
Performance Turf Width	18.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	23,739.94	LF	\$25.89	\$614,627.05
570-1-1	PERFORMANCE TURF	23,739.94	SY	\$2.39	\$56,738.46
Median Component Total					\$671,365.51

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	40.47	CY	\$2,500.00	\$101,175.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	81.00	EA	\$6,694.62	\$542,264.22
425-1-451	INLETS, CURB, TYPE J-5, <10'	23.00	EA	\$7,862.30	\$180,832.90
425-1-521	INLETS, DT BOT, TYPE C, <10'	12.00	EA	\$4,932.44	\$59,189.28
425-2-41	MANHOLES, P-7, <10'	12.00	EA	\$6,016.13	\$72,193.56
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	5,952.00	LF	\$195.09	\$1,161,175.68
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	536.00	LF	\$314.55	\$168,598.80
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	11,248.00	LF	\$389.84	\$4,384,920.32
570-1-1	PERFORMANCE TURF	683.42	SY	\$2.39	\$1,633.37

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS Comment: End walls for C-2 and C-3 Canals double 72" RCP and double 60" CMP, 14.4+ 13.8	28.20	CY	\$2,500.00	\$70,500.00
415-1-6	REINF STEEL- MISCELLANEOUS Comment: End walls for C-2 and C-3 Canals double 72" RCP and double 60" CMP, 1249 + 824	2,073.00	LB	\$1.89	\$3,917.97

Box Culvert 1

Description	Value
Size	7 x 4
Length	20.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	28.00	CY	\$1,212.90	\$33,961.20
415-1-1	REINF STEEL- ROADWAY	2,900.00	LB	\$1.02	\$2,958.00

Box Culvert 2**Description**

Size

Length

Multiplier

Value

5 x 4

100.00

1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	63.20	CY	\$1,212.90	\$76,655.28
415-1-1	REINF STEEL- ROADWAY	7,216.00	LB	\$1.02	\$7,360.32

Drainage Component Total

\$6,867,335.90

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	54.00	AS	\$356.03	\$19,225.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00	AS	\$1,111.25	\$5,556.25
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	5.00	AS	\$6,766.35	\$33,831.75
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	5.00	AS	\$9,197.10	\$45,985.50

Signing Component Total

\$104,599.12

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

2

Waterways Blvd. and
Independence Dr.**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00	LF	\$10.33	\$15,495.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00	LF	\$19.82	\$9,910.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	\$5,889.59	\$11,779.18
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00	EA	\$676.97	\$21,663.04
639-1-112	ELECTRICAL POWER	2.00	AS	\$2,791.46	\$5,582.92

639-2-1	SRV,F&I,OH,M,PUR BY CON ELECTRICAL SERVICE WIRE, F&I	120.00 LF	\$5.09	\$610.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00 EA	\$47,776.11	\$191,104.44
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	18.00 AS	\$996.87	\$17,943.66
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00 AS	\$675.47	\$10,807.52
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	\$321.17	\$7,708.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	\$1,246.64	\$29,919.36
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00 EA	\$247.92	\$3,966.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00 AS	\$28,741.00	\$57,482.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00 EA	\$277.00	\$2,216.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, 30'	2.00	EA	\$29,831.23	\$59,662.46

Signalization 2

Description	Value
Type	6 Lane Mast Arm
Multiplier	1
Description	Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$10.33	\$7,231.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$19.82	\$5,946.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$676.97	\$14,893.34
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
641-2-11	PREST CNC POLE,F&I,TYP P- II,PEDESTAL	1.00	EA	\$1,676.50	\$1,676.50
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,395.71	\$332,374.26
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$996.87	\$19,937.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$321.17	\$6,423.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,246.64	\$24,932.80
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00

700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$277.00	\$1,108.00
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Signalization 3**Description**

Type

Multiplier

Description

SW 28th Ave

Value

4 Lane Mast Arm

1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	1.00	EA	\$43,669.57	\$43,669.57
649-21-8	STEEL MAST ARM ASSEMBLY, F&I, 50'- 40'	1.00	EA	\$45,023.87	\$45,023.87
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	6.00	AS	\$996.87	\$5,981.22
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$277.00	\$1,108.00
Signalizations Component Total					\$1,088,733.42

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	11,869.97	LF	\$10.33	\$122,616.79
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,356.01	LF	\$19.82	\$46,696.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	79.00	EA	\$676.97	\$53,480.63
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	43,352.36	LF	\$2.60	\$112,716.14

715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	79.00 EA	\$5,943.21	\$469,513.59
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	79.00 EA	\$572.79	\$45,250.41
Subcomponent Total				\$850,273.67
Lighting Component Total				\$850,273.68

BRIDGES COMPONENT**Bridge GP1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	990.00
Width (LF)	59.00
Type	Overpass Bridge
Cost Factor	2.40
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$180.00
Final Cost per SF	\$188.06
Basic Bridge Cost	\$10,513,800.00
Description	WEST END BRIDGE OVER MANAGED LANES

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	131.11	CY	\$505.07	\$66,219.73
415-1-9	REINF STEEL- APPROACH SLABS	22,944.25	LB	\$1.03	\$23,632.58

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-13	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE	2,540.00	LF	\$150.01	\$381,025.40
Comment: BRIDGE GP1 TRAFFIC RAILING					

Bridge GP1 Total \$10,984,677.71

Bridges Component Total \$10,984,677.71

RETAINING WALLS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-3	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP	1,730.00	LF	\$293.03	\$506,941.90
Comment: TRAFFIC RAILING FOR WALLS					

Retaining Wall 1

Description	Value
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Length	535.00
Begin height	4.00
End Height	26.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	16,317.50	SF	\$29.37	\$479,244.98

Retaining Wall 2**Description**

Length	59.00
Begin height	26.50
End Height	26.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.50	SF	\$29.37	\$45,920.00

Retaining Wall 3**Description**

Length	330.00
Begin height	15.00
End Height	4.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,270.00	SF	\$29.37	\$184,149.90

Retaining Wall 4**Description**

Length	59.00
Begin height	15.00
End Height	15.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	885.00	SF	\$29.37	\$25,992.45

Retaining Walls Component Total

\$1,242,249.23

Sequence 4 Total

\$34,530,440.60

Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 2.248 MI
11,870 LF**Description:** Temporary roadway to maintain traffic for the local lanes as it is unclear whether the permanent can be put into place first due to utility relocations and critical path of the projects.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	35.00 / 35.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.248
Top of Structural Course For Begin Section	100.00
Top of Structural Course For End Section	100.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	19.07	AC	\$33,571.83	\$640,214.80
120-1	REGULAR EXCAVATION	173,065.23	CY	\$19.67	\$3,404,193.07
Earthwork Component Total					\$4,044,407.87

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	34.50 / 34.50
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	96,278.63	SY	\$7.65	\$736,531.52
285-706	OPTIONAL BASE,BASE GROUP 06	91,873.55	SY	\$18.72	\$1,719,872.86
334-1-14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	10,010.34	TN	\$114.87	\$1,149,887.76

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
102-71-13	TEMPORARY BARRIER, F&I,LOW PROFILE,CONC	11,870.00	LF	\$35.87	\$425,776.90

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt

Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	1,821.00	EA	\$4.25	\$7,739.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	8.99	GM	\$863.58	\$7,763.58
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	17.98	GM	\$396.23	\$7,124.22
Roadway Component Total					\$4,054,696.09

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	2.00 / 2.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	5,275.54	SY	\$2.39	\$12,608.54

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	30,861.92	LF	\$1.87	\$57,711.79
104-11	FLOATING TURBIDITY BARRIER	562.02	LF	\$17.27	\$9,706.09
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	562.02	LF	\$9.50	\$5,339.19
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18
107-1	LITTER REMOVAL	27.25	AC	\$44.12	\$1,202.27
107-2	MOWING	27.25	AC	\$80.90	\$2,204.52

Shoulder Component Total**\$92,366.59****SIGNING COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$356.03	\$1,780.15

700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	45.00 AS	\$1,111.25	\$50,006.25
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00 AS	\$4,644.86	\$23,224.30
Signing Component Total				\$75,010.70
Sequence 5 Total				\$8,266,481.25

Draft

Sequence: 6 WDU - Widen/Resurface, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Handles work along Powerline Road.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.61	AC	\$33,571.83	\$54,050.65
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,100.70	CY	\$25.26	\$27,803.68
Earthwork Component Total					\$81,854.33

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,535.97	SY	\$7.65	\$34,700.17
285-709	OPTIONAL BASE,BASE GROUP 09	3,835.98	SY	\$26.54	\$101,806.91
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	24,888.75	SY	\$4.59	\$114,239.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$165.90	\$681,291.58

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	616.00 TN	\$165.90	\$102,194.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	995.55 TN	\$149.07	\$148,406.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	308.00 TN	\$149.07	\$45,913.56

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other

Pavement Type

Solid Stripe No. of Paint Applications

Solid Stripe No. of Stripes

Skip Stripe No. of Paint Applications

Skip Stripe No. of Stripes

Value

N

Asphalt

2

4

2

4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.25	\$1,521.50
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$863.58	\$3,661.58
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$372.47	\$1,579.27
Roadway Component Total					\$1,235,314.97

SHOULDER COMPONENT**User Input Data****Description**

Existing Total Outside Shoulder Width L/R

New Total Outside Shoulder Width L/R

Total Outside Shoulder Perf. Turf Width L/R

Sidewalk Width L/R

Value

12.25 / 12.25

7.25 / 13.25

5.00 / 5.00

0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$28.39	\$79,491.43
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,866.66	SY	\$40.91	\$76,365.06
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$2.39	\$7,435.51

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.87	\$10,471.94
104-11	FLOATING TURBIDITY BARRIER	53.03	LF	\$17.27	\$915.83
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	53.03	LF	\$9.50	\$503.78
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$1,198.06	\$1,198.06

104-18	INLET PROTECTION SYSTEM	25.00 EA	\$121.94	\$3,048.50
107-1	LITTER REMOVAL	4.62 AC	\$44.12	\$203.83
107-2	MOWING	4.62 AC	\$80.90	\$373.76
Shoulder Component Total				\$180,007.71

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	22.00
Performance Turf Width	11.50

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,577.76	SY	\$2.39	\$8,550.85

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	3,600.00	LF	\$25.89	\$93,204.00

Median Component Total **\$101,754.85**

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$2,500.00	\$23,875.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,694.62	\$133,892.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$7,862.30	\$47,173.80
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	296.00	LF	\$195.09	\$57,746.64
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00	LF	\$314.55	\$27,680.40
570-1-1	PERFORMANCE TURF	161.21	SY	\$2.39	\$385.29

Drainage Component Total **\$290,753.53**

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	12.00	AS	\$356.03	\$4,272.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,111.25	\$2,222.50
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$281.30	\$562.60
700-1-60	SINGLE POST SIGN, REMOVE	12.00	AS	\$29.03	\$348.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	\$4,644.86	\$9,289.72

700-2-60	MULTI- POST SIGN, REMOVE	2.00 AS	\$666.24	\$1,332.48
Signing Component Total				\$18,028.02

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Signal for Quiet Waters
Business Park at Powerline
Road.**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	1.00	EA	\$47,776.11	\$47,776.11
649-21-11	STEEL MAST ARM ASSEMBLY, F&I, 60'- 30'	1.00	EA	\$50,189.13	\$50,189.13
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	7.00	AS	\$996.87	\$6,978.09
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$277.00	\$1,108.00

Signalization 2**Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Signals for Powerline Road and
West Drive**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00

632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$5.09	\$305.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	2.00 EA	\$47,776.11	\$95,552.22
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	9.00 AS	\$996.87	\$8,971.83
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$277.00	\$1,108.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, 30'	2.00	EA	\$29,831.23	\$59,662.46
	Comment: Signals for West Drive Traffic				
	Signalizations Component Total				\$446,270.46

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description		Value			
Spacing		MIN			
X-Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
715-21-2	LIGHTING REPAIRS AND RETROFITS, LED RETR	30.00	EA	\$1,096.34	\$32,890.20
		Comment: retrofit existing lighting with LED's			
Lighting Component Total					\$32,890.20

Sequence 6 Total \$2,386,874.07

Sequence: 7 NUU - New Construction, Undivided, Urban**Net Length:** 0.275 MI
1,450 LF**Description:** Street extension/relocation at Quiet Waters Business Park.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.275
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	\$33,571.83	\$67,143.66
120-6	EMBANKMENT	5,538.04	CY	\$27.91	\$154,566.70
Earthwork Component Total					\$221,710.36

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	11.00 / 11.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,375.44	SY	\$7.65	\$33,472.12
285-709	OPTIONAL BASE, BASE GROUP 09	3,544.17	SY	\$26.54	\$94,062.27
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	487.32	TN	\$165.90	\$80,846.39
337-7-83	ASPH CONC FC, TRAFFIC C, FC-12.5, PG 76-22	292.39	TN	\$149.07	\$43,586.58

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	37.00 EA	\$4.25	\$157.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.20 GM	\$863.58	\$1,899.88
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.55 GM	\$372.47	\$204.86
Roadway Component Total				\$254,229.35

SHOULDER COMPONENT**User Input Data****Description****Value**

Total Outside Shoulder Width L/R	7.25 / 15.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	0.00 / 8.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,449.89 LF	\$28.39	\$41,162.38
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,449.89 LF	\$28.39	\$41,162.38
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,288.79 SY	\$40.91	\$52,724.40
570-1-1	PERFORMANCE TURF	1,610.99 SY	\$2.39	\$3,850.27

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,899.78 LF	\$1.87	\$5,422.59
104-11	FLOATING TURBIDITY BARRIER	68.65 LF	\$17.27	\$1,185.59
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	68.65 LF	\$9.50	\$652.18
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,198.06	\$1,198.06
104-18	INLET PROTECTION SYSTEM	15.00 EA	\$121.94	\$1,829.10
107-1	LITTER REMOVAL	3.33 AC	\$44.12	\$146.92
107-2	MOWING	3.33 AC	\$80.90	\$269.40
Shoulder Component Total				\$149,603.27

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.94 CY	\$2,500.00	\$12,350.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	10.00 EA	\$6,694.62	\$66,946.20
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00 EA	\$7,862.30	\$23,586.90

425-1-521	INLETS, DT BOT, TYPE C, <10'	2.00 EA	\$4,932.44	\$9,864.88
425-2-41	MANHOLES, P-7, <10'	2.00 EA	\$6,016.13	\$12,032.26
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	640.00 LF	\$195.09	\$124,857.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	64.00 LF	\$314.55	\$20,131.20
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	1,376.00 LF	\$389.84	\$536,419.84
570-1-1	PERFORMANCE TURF	83.48 SY	\$2.39	\$199.52
Drainage Component Total				\$806,388.40

SIGNING COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	6.00 AS	\$356.03	\$2,136.18
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00 AS	\$1,111.25	\$1,111.25
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00 AS	\$6,766.35	\$6,766.35
Signing Component Total				\$10,013.78

LIGHTING COMPONENT

Conventional Lighting Subcomponent		Value		
Description				MAX
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,449.89 LF	\$10.33	\$14,977.36
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	189.20 LF	\$19.82	\$3,749.94
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	\$676.97	\$4,061.82
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,917.26 LF	\$2.60	\$12,784.88
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	6.00 EA	\$5,943.21	\$35,659.26
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00 EA	\$572.79	\$3,436.74
Subcomponent Total				\$74,670.00
Lighting Component Total				\$74,670.00
Sequence 7 Total				\$1,516,615.16

Sequence: 8 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** depressed section construction, temp critical sheet piles, one row soil anchors and 10' grid of ground anchors. Also includes all ground mount walls.**DRAINAGE COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
436-1-1	TRENCH DRAIN, STANDARD	1,900.00 LF	\$266.60	\$506,540.00
Drainage Component Total				\$506,540.00

BRIDGES COMPONENT**Bridge X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-3-20	CONC CLASS III, SEAL Comment: L=1900' W=45' D=5'	15,834.00 CY	\$531.73	\$8,419,412.82
400-4-5	CONC CLASS IV, SUBSTRUCTURE Comment: L=1900' W=37.5' D=4.5	11,875.00 CY	\$1,228.18	\$14,584,637.50
415-1-4	REINF STEEL- SUPERSTRUCTURE Comment: Class IV concrete cubic yards for substructure and retaining walls x 200lbs/cy (SDG Section 9.2.3)	3,859,400.00 LB	\$1.07	\$4,129,558.00
451-70	PREST SOIL ANCHORS Comment: 5 * 1900'/10	950.00 EA	\$6,363.77	\$6,045,581.50
451-70-1	PREST SOIL ANCHOR, PERFORMANCE TEST Comment: SOIL ANCHORS / 4	190.00 EA	\$3,865.83	\$734,507.70
451-70-2	PREST SOIL ANCHOR, CREEP TEST Comment: SOIL ANCHORS / 4	190.00 EA	\$2,108.87	\$400,685.30
455-87	ANCHOR BAR, STEEL Comment: L=1900' @ 10' SPACING x 2	380.00 EA	\$2,279.93	\$866,373.40
455-133-3	SHEET PILING STEEL, F&I PERMANENT Comment: L=1900', DEPTHS RANGE 40'-50'-USE 45' AVG. 1900x45x2	171,000.00 SF	\$42.51	\$7,269,210.00

Bridge EX-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
1	WATERPROOF LINER Comment: Assume a complete wrap of the tremie seal. Dimensions are 1900'x45'x5'	190,450.00 SF	\$1.00	\$190,450.00
2	ADJUSTMENT FOR CONSTRUCTION IN WATER Comment: Based on 10% of the cost for the depressed section to account for the construction in water. Sequence total minus noise walls and pump station.	1.00 LS	\$4,812,893.00	\$4,812,893.00

Bridge Total**\$47,453,309.22**

Bridges Component Total

\$47,453,309.22

MISCELLANEOUS COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-4-11	CONC CLASS IV, RETAINING WALLS Comment: 25048 SF x 4'thicknes x 2 walls	7,422.00 CY	\$511.50	\$3,796,353.00
448-73	PUMPING STATION- DRAINAGE	1.00 LS	\$400,000.00	\$400,000.00
Miscellaneous Component Total				\$4,196,353.00

Sequence 8 Total

\$52,156,202.22

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Ground mount sound walls.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM Comment: SEE CADD FILE - 5,920' SOUTH SIDE OF CORRIDOR; 4,225' NORTH SIDE OF CORRIDOR	223,190.00 SF	\$55.67	\$12,424,987.30
Roadway Component Total				\$12,424,987.30
Sequence 9 Total				\$12,424,987.30

Sequence: 10 WDR - Widen/Resurface, Divided, Rural**Net** 0.474 MI**Length:** 2,500 LF**Description:** Covers the widen, mill and resurfacing along the connector road west of Seq. 1 at the turnpike as well as the reconstruction of the NB to WB loop ramp.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	15.00 / 15.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.284
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.72	AC	\$33,571.83	\$57,743.55
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	357.66	CY	\$25.26	\$9,034.49
Earthwork Component Total					\$66,778.04

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	24.00 / 0.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	15.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,278.11	SY	\$7.65	\$78,627.54
285-709	OPTIONAL BASE,BASE GROUP 09	4,258.47	SY	\$26.54	\$113,019.79
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	6,666.88	SY	\$4.59	\$30,600.98

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	733.36 TN	\$165.90	\$121,664.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	687.52 TN	\$165.90	\$114,059.57
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	266.68 TN	\$183.10	\$48,829.11
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	166.67 TN	\$183.10	\$30,517.28

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other
Pavement Type
Solid Stripe No. of Paint Applications
Solid Stripe No. of Stripes
Skip Stripe No. of Paint Applications
Skip Stripe No. of Stripes

Value

N
Asphalt
2
4
2
0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	64.00	EA	\$4.78	\$305.92
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.79	GM	\$863.58	\$3,272.97
Roadway Component Total					\$540,897.58

SHOULDER COMPONENT**User Input Data****Description**

Existing Total Outside Shoulder Width L/R
New Total Outside Shoulder Width L/R
Total Outside Shoulder Perf. Turf Width L/R
Existing Paved Outside Shoulder Width L/R
New Paved Outside Shoulder Width L/R
Structural Spread Rate
Friction Course Spread Rate
Total Width (T) / 8" Overlap (O)
Rumble Strips 1/2 No. of Sides

Value

6.00 / 6.00
6.00 / 0.00
2.00 / 0.00
2.00 / 4.00
2.00 / 0.00
110
80
0
0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	647.24	SY	\$18.90	\$12,232.84
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,666.72	SY	\$2.64	\$4,400.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.56	TN	\$165.90	\$5,069.90
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	7.33	TN	\$183.10	\$1,342.12
570-1-1	PERFORMANCE TURF	555.57	SY	\$2.39	\$1,327.81

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,750.18 LF	\$1.87	\$10,752.84
104-11	FLOATING TURBIDITY BARRIER	47.35 LF	\$17.27	\$817.73
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	47.35 LF	\$9.50	\$449.83
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,198.06	\$1,198.06
107-1	LITTER REMOVAL	3.44 AC	\$44.12	\$151.77
107-2	MOWING	3.44 AC	\$80.90	\$278.30
Shoulder Component Total				\$38,021.34

DRAINAGE COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.52 CY	\$2,500.00	\$21,300.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	384.00 LF	\$463.20	\$177,868.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00 LF	\$314.55	\$12,582.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	19.00 EA	\$3,868.31	\$73,497.89
570-1-1	PERFORMANCE TURF	333.34 SY	\$2.39	\$796.68
Drainage Component Total				\$286,045.37

SIGNING COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$356.03	\$356.03
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	12.00 AS	\$1,111.25	\$13,335.00
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$281.30	\$281.30
700-1-60	SINGLE POST SIGN, REMOVE	12.00 AS	\$29.03	\$348.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$4,644.86	\$4,644.86
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$666.24	\$666.24
Signing Component Total				\$19,631.79

LIGHTING COMPONENT**Rural Lighting Subcomponent****Description**

Multiplier (Number of Poles)

Value

4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$10.33	\$8,264.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00 EA	\$676.97	\$2,707.88
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00 LF	\$2.60	\$6,240.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	4.00 EA	\$7,290.02	\$29,160.08
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00 EA	\$572.79	\$2,291.16
	Subcomponent Total			\$48,663.12
	Lighting Component Total			\$48,663.12
<hr/>				
Sequence 10 Total				\$1,000,037.24
<hr/>				

Sequence: 11 RSD - Resurfacing, Divided**Net** 1.000 MI
Length: 5,280 LF**Description:** Construct Water Feature Enhancement ponds and resurface Century Blvd. from Ellesmere Dr. to Hillsboro Blvd due to pond construction.**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	110
Friction Course Spread Rate	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	28,160.00	SY	\$4.59	\$129,254.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,548.80	TN	\$165.90	\$256,945.92

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	405.00	EA	\$4.78	\$1,935.90
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	8.00	GM	\$863.58	\$6,908.64
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.00	GM	\$372.47	\$1,489.88

Roadway Component Total

\$396,534.74

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,520.00	SY	\$40.91	\$144,003.20
	Comment: 12' WIDE SHARED USE PATH. 0.5 miles per pond, 3 ponds.				
Shoulder Component Total					\$144,003.20

DRAINAGE COMPONENT**Retention Basin 1**

Description	Value
Size	1 AC
Multiplier	1
Depth	6.00
Description	Three new ponds incorporating 11.18 acres. For depth, assume an average of 10 feet. The input parameters have been overridden by X-item quantities.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.18	AC	\$33,571.83	\$375,333.06
400-2-2	CONC CLASS II, ENDWALLS	48.90	CY	\$2,500.00	\$122,250.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	180,371.00	CY	\$10.00	\$1,803,710.00
	Comment: 11.18 AC (487,000.8 SF)x 10' depth / 27				
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	1,256.00	LF	\$389.84	\$489,639.04
	Comment: 300 LF + 750 LF + 200 LF = 1250				
570-1-1	PERFORMANCE TURF	182,780.00	SY	\$2.39	\$436,844.20
	Comment: Area of restored sod outside of the ponds due to construction, CADD file quant. - 11.18 AC				
Drainage Component Total					\$3,227,776.30

LANDSCAPING COMPONENT**User Input Data**

Description	Value
Lump Sum	981,000.00
Cost %	0.00
Component Detail	N

Landscaping Component Total \$981,000.00

Sequence 11 Total \$4,749,314.24

Sequence: 12 MIS - Miscellaneous Construction**Net** 0.000 MI
Length: 0 LF**Description:** This sequence is for the corridor signing and ITS quantities developed by HDR.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	28.00 EA	\$243.79	\$6,826.12
711-14-660	THERMOPLASTIC, PREFORMED, MULTI, ROUTE S	2.00 EA	\$2,909.43	\$5,818.86
Roadway Component Total				\$12,644.98

SIGNING COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-204	SIGN PANEL, F&I OM, 31-50 SF	1.00 EA	\$1,375.56	\$1,375.56
700-3-205	SIGN PANEL, F&I OM, 51-100 SF	3.00 EA	\$2,998.52	\$8,995.56
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	8.00 EA	\$5,048.64	\$40,389.12
700-3-207	SIGN PANEL, F&I OM, 201-300 SF	9.00 EA	\$8,096.72	\$72,870.48
700-3-208	SIGN PANEL, F&I OM, 301-400 SF	6.00 EA	\$9,371.03	\$56,226.18
700-3-211	SIGN PANEL, F&I OM, 601 SF AND GREATER	2.00 EA	\$22,947.38	\$45,894.76
700-4-112	OH STATIC SIGN STR, F&I, C 21-30 FT	3.00 EA	\$61,935.33	\$185,805.99
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT	8.00 EA	\$60,433.33	\$483,466.64
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00 EA	\$69,967.17	\$139,934.34
700-4-125	OH STATIC SIGN STR, F&I, S 51-100 FT	9.00 EA	\$197,000.00	\$1,773,000.00
700-7-132	EMBED DYNAMIC MESS SIGN, F&I, FULL,12-20	4.00 EA	\$30,643.90	\$122,575.60
700-8-134	FRONT ACC DYN MESS SIGN, F&I, FULL,31-50	7.00 EA	\$52,722.82	\$369,059.74
700-8-136	FRONT ACC DYN MESS SIGN, F&I, FULL,101-	1.00 EA	\$104,433.33	\$104,433.33
700-9-137	WALK-IN DYN MESS SIGN,F&I, FULL,201-	1.00 EA	\$139,519.81	\$139,519.81
700-10-115	DMS SUPPORT STRUCTURE, SPAN, 51-100 FT	1.00 EA	\$131,989.97	\$131,989.97
Signing Component Total				\$3,675,537.08

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Value

Miscellaneous

1

Description

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	21.00 EA	\$1,676.50	\$35,206.50
641-2-13	PREST CNC POLE,F&I,TYP P-III	11.00 EA	\$5,592.94	\$61,522.34
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	43.00 EA	\$3,784.98	\$162,754.14
685-1-11	UPS POWER SUPPLY, F&I, LINE INTERACTIVE	43.00 EA	\$3,689.23	\$158,636.89
Signalizations Component Total				\$418,119.87

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	11,524.00 LF	\$10.33	\$119,042.92
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	5,762.00 LF	\$19.82	\$114,202.84
630-2-15	CONDUIT, F& I, BRIDGE MOUNT	2,593.00 LF	\$21.63	\$56,086.59
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	5,762.00 LF	\$3.33	\$19,187.46
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	28,808.00 LF	\$3.51	\$101,116.08
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	477.00 EA	\$46.41	\$22,137.57
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERM	1,030.00 EA	\$98.24	\$101,187.20
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	43.00 EA	\$885.58	\$38,079.94
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	43.00 EA	\$68.68	\$2,953.24
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	43.00 EA	\$56.58	\$2,432.94
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	43.00 EA	\$1,848.01	\$79,464.43
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	12,870.00 LF	\$7.48	\$96,267.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	57.00 EA	\$676.97	\$38,587.29
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	52.00 EA	\$1,353.72	\$70,393.44
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" OR 36"	48.00 EA	\$2,643.27	\$126,876.96
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	3.00 AS	\$2,939.57	\$8,818.71
639-2-1	ELECTRICAL SERVICE WIRE, F&I	17,719.00 LF	\$5.09	\$90,189.71
639-3-12	ELEC SERV DISCON, F&I,	43.00 EA	\$665.48	\$28,615.64

	CABINET			
641-3-163	CONCRETE CCTV POLE, FUR & INS W/LOW	17.00 EA	\$22,079.77	\$375,356.09
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	22.00 EA	\$774.22	\$17,032.84
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	22.00 EA	\$9,030.42	\$198,669.24
660-6-121	VEHICLE DETECTION SYSTEM-AVI B,F&I, CAB	2.00 EA	\$2,198.98	\$4,397.96
660-6-122	VEHICLE DETECTION SYSTEM-AVI B,F&I, ABO	2.00 EA	\$7,699.27	\$15,398.54
676-2-122	ITS CABINET- F&I, POLE, 336S	21.00 EA	\$8,523.42	\$178,991.82
676-2-143	ITS CABINET- F&I, BASE, 334	21.00 EA	\$8,723.50	\$183,193.50
682-1-113	ITS CCTV CAMERA, F&I, DOME ENCL-PRESS	17.00 EA	\$7,546.08	\$128,283.36
684-2-1	DEVICE SERVER, F&I	22.00 EA	\$994.36	\$21,875.92

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	TOLLING GANTRY	2.00	LS	\$1,700,000.00	\$3,400,000.00
	Comment: Price is from I-95 PHASE 3B-1 EXPRESS LANES (8/15/2016)				
	Intelligent Traffic System (ITS) Component Total				\$5,638,839.83
<hr/>					
Sequence 12 Total					\$9,745,141.76

Sequence: 13 MIS - Miscellaneous Construction**Net** 0.000 MI
Length: 0 LF**Description:** Sequence for Risk Based Contingency**MISCELLANEOUS COMPONENT****EX-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	RISK BASED CONTINGENCY	1.00	LS	\$13,800,000.00	\$13,800,000.00

Miscellaneous Component Total					\$13,800,000.00
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Sequence 13 Total					\$13,800,000.00
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FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01**Letting Date:** 12/2022**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Market Area:** 12**Units:** English**Contract Class:** 9 **Lump Sum Project:** N**Design/Build:** Y**Project Length:** 2.158 MI**Project Manager:** BOSTIAN**Version 31 Project Grand Total****\$265,021,318.16****Description:** SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. With Powerline Road access ramps and HDR quantities for Signing and ITS.**Project Sequences Subtotal****\$204,541,839.00**

102-1	Maintenance of Traffic	10.00 %	\$20,454,183.90
101-1	Mobilization	8.00 %	\$17,999,681.83

Project Sequences Total**\$242,995,704.73**

Project Unknowns	0.00 %	\$0.00
Design/Build	9.00 %	\$21,869,613.43

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00

Project Non-Bid Subtotal**\$156,000.00****Version 31 Project Grand Total****\$265,021,318.16**

Without Powerline Road Ramps Alternative

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FDOT Long Range Estimating System - Production

R1: Project Summary without Components Report

Project: 439891-1-52-01**Letting Date:** 12/2022**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Project Manager:** BOSTIAN

Version 30 Project Grand Total	\$183,698,495.51
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Description:	
SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. Without Powerline Road access ramps and HDR quantities for Signing and ITS.	

Sequence 1 NDR Total	\$55,820,521.31
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Description: Managed Lanes, 4 lanes with full shoulders and barrier walls.	
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Sequence 4 NDU Total	\$34,530,440.60
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Description: 6 lane local section to cover turn lanes, shldr WB.	
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Sequence 5 NUR Total	\$8,266,481.25
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Description: Temporary roadway to maintain traffic for the local lanes as it is unclear whether the permanent can be put into place first due to utility relocations and critical path of the projects.	
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Sequence 6 WDU Total	\$2,386,874.07
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Description: Handles work along Powerline Road.	
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Sequence 7 NUU Total	\$1,516,615.16
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Description: Street extension/relocation at Quiet Waters Business Park.	
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Sequence 9 MIS Total	\$12,424,987.30
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Description: Ground mount sound walls.	
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Sequence 10 WDR Total	\$1,000,037.24
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Description: Covers the widen, mill and resurfacing along the connector road west of Seq. 1 at the turnpike as well as the reconstruction of the NB to WB loop ramp.	
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Sequence 11 RSD Total	\$4,749,314.24
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Description: Construct Water Feature Enhancement ponds and resurface Century Blvd. from Ellesmere Dr. to Hillsboro Blvd due to pond construction.	
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Sequence 12 MIS Total	\$9,745,141.76
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Description: This sequence is for the corridor signing and ITS quantities developed by HDR.	
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Sequence 13 MIS Total		\$11,300,000.00
Description: Sequence for Risk Based Contingency		
Project Sequences Subtotal		\$141,740,412.93
Maintenance of Traffic	10.00 %	\$14,174,041.29
Mobilization	8.00 %	\$12,473,156.34
Project Sequences Total		\$168,387,610.56
Project Unknowns	0.00 %	\$0.00
Design/Build	9.00 %	\$15,154,884.95
Project Non-Bid Subtotal		\$156,000.00
Version 30 Project Grand Total		\$183,698,495.51

Date: 6/8/2020 5:11:09 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01

Letting Date: 12/2022

Description: SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL

District: 04 County: 86 BROWARD

Market Area: 12

Units: English

Contract Class: 9 Lump Sum Project: N

Design/Build: Y

Project Length: 2.158 MI

Project Manager: BOSTIAN

Version 30 Project Grand Total

\$183,698,495.51

Description: SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. Without Powerline Road access ramps and HDR quantities for Signing and ITS.

Sequence: 1 NDR - New Construction, Divided, Rural

Net Length: 2.462 MI

13,000 LF

Description: Managed Lanes, 4 lanes with full shoulders and barrier walls.

EARTHWORK COMPONENT

User Input Data

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.462
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	35.81	AC	\$33,571.83	\$1,202,207.23
120-6	EMBANKMENT	38,208.49	CY	\$27.91	\$1,066,398.96

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	312,952.00	CY	\$27.91	\$8,734,490.32
	Comment: EMBANKMENT FOR RETAINING WALLS - SEE CADD				

Earthwork Component Total

\$11,003,096.51

ROADWAY COMPONENT

User Input Data

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	440
Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	138,665.47	SY	\$7.65	\$1,060,790.85
285-709	OPTIONAL BASE,BASE GROUP 09	71,239.39	SY	\$26.54	\$1,890,693.41
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	15,253.20	TN	\$165.90	\$2,530,505.88
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	2,773.31	TN	\$183.10	\$507,793.06

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-0-11	CONC CLASS NS, GRAVITY WALL Comment: Superelevated section on 2500' Scheme 3 gravity wall at Quiet Water Park	1,500.00	CY	\$623.90	\$935,850.00
415-1-1	REINF STEEL- ROADWAY Comment: Superelevated section on 2500' Scheme 3 gravity wall at Quiet Water Park	20,000.00	LB	\$1.02	\$20,400.00
521-72-27	SHLDR CONC BAR WALL, 14' NOISE WALL Comment: NOISE WALL FOR RETAINING WALL ID 10	1,187.00	LF	\$486.94	\$577,997.78
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT Comment: SHOULDER BARRIER FOR LENGTH OF SEQUENCE, LEFT AND RIGHT SHOULDERS	5,979.00	LF	\$193.50	\$1,156,936.50
999-20-1	DISPUTES REVIEW BD, MEETING- DO NOT BID Comment: 1 meeting per month for 48 months.	48.00	DA	\$3,300.00	\$158,400.00
999-20-2	DISPUTES REVIEW BD, HEARING- DO NOT BID	2.00	EA	\$4,000.00	\$8,000.00

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	997.00	EA	\$4.25	\$4,237.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	19.70	GM	\$863.58	\$17,012.53
710-11-131	PAINTED PAVT	9.85	GM	\$372.47	\$3,668.83

MARK,STD,WHITE,SKIP, 6"

Roadway Component Total

\$8,872,286.09

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.00 / 12.00
Total Outside Shoulder Perf. Turf Width L/R	0.00 / 0.00
Paved Outside Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	0
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	35,619.69	SY	\$18.90	\$673,212.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.65	TN	\$165.90	\$316,313.24
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	76.27	TN	\$183.10	\$13,965.04

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-7	CONC BARRIER, W/JUNCT SL, 36 SS	2,500.00	LF	\$268.21	\$670,525.00
Comment: Superelevated section on Scheme 3 gravity wall at Quiet Waters Park					

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	33,799.71	LF	\$1.87	\$63,205.46
104-11	FLOATING TURBIDITY BARRIER	615.52	LF	\$17.27	\$10,630.03
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	615.52	LF	\$9.50	\$5,847.44
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18
104-18	INLET PROTECTION SYSTEM	15.00	EA	\$121.94	\$1,829.10
107-1	LITTER REMOVAL	59.68	AC	\$44.12	\$2,633.08
107-2	MOWING	59.68	AC	\$80.90	\$4,828.11

Shoulder Component Total

\$1,766,582.82

MEDIAN COMPONENT**User Input Data**

Description	Value
Total Median Width	26.00
Performance Turf Width	0.00

Total Median Shoulder Width L/R	12.00 / 12.00
Paved Median Shoulder Width L/R	12.00 / 12.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	O
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	35,619.69	SY	\$18.90	\$673,212.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,906.65	TN	\$165.90	\$316,313.24
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	76.27	TN	\$183.10	\$13,965.04
521-1-11	MEDIAN CONC BARRIER, 38" HEIGHT	10,500.00	LF	\$177.02	\$1,858,710.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-1-13	MEDIAN CONC BARRIER, TALL GRADE SEP	8,479.00	LF	\$322.00	\$2,730,238.00
	Comment: VARIABLE GRADE WALL FOR SOUTH SIDE SHOULDER TO ACCOUNT FOR POSSIBLE ELEVATION DIFFERENCES IN LIEU OF RETAINING WALL and 2500' of variable profile wall along the superelevated section (Quiet Waters)				

Median Component Total

\$5,592,438.42

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	44.32	CY	\$2,500.00	\$110,800.00
425-1-551	INLETS, DT BOT, TYPE E, <10'	15.00	EA	\$7,279.51	\$109,192.65
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	1,976.00	LF	\$463.20	\$915,283.20
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	848.00	LF	\$195.09	\$165,436.32
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	728.00	LF	\$314.55	\$228,992.40
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	99.00	EA	\$3,868.31	\$382,962.69
570-1-1	PERFORMANCE TURF	1,733.32	SY	\$2.39	\$4,142.63

Drainage Component Total

\$1,916,809.89

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$356.03	\$1,780.15

700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	60.00 AS	\$1,111.25	\$66,675.00
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00 AS	\$4,644.86	\$23,224.30
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	15.00 AS	\$6,766.35	\$101,495.25
Signing Component Total				\$193,174.70

LIGHTING COMPONENT**Rural Lighting Subcomponent****Description**

Multiplier (Number of Poles)

Value

90

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F&I, OPEN TRENCH	18,000.00	LF	\$10.33	\$185,940.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	90.00	EA	\$676.97	\$60,927.30
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	54,000.00	LF	\$2.60	\$140,400.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	90.00	EA	\$7,290.02	\$656,101.80
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	90.00	EA	\$572.79	\$51,551.10
Subcomponent Total					\$1,094,920.20
Lighting Component Total					\$1,094,920.20

BRIDGES COMPONENT**Bridge ML1****Description****Value**

Estimate Type

SF Estimate

Primary Estimate

YES

Length (LF)

261.00

Width (LF)

101.00

Type

Overpass Bridge

Cost Factor

2.00

Structure No.

Removal of Existing Structures area

0.00

Default Cost per SF

\$75.00

Factored Cost per SF

\$150.00

Final Cost per SF**\$155.83****Basic Bridge Cost****\$3,954,150.00**

Description

MANAGED LANES OVER POWERLINE

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$505.07	\$113,357.91
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$1.03	\$40,455.31

Bridge ML1 Total

\$4,107,963.22

Bridge ML2

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	142.00
Width (LF)	101.00
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$160.72
Basic Bridge Cost	\$2,151,300.00
Description	MANAGED LANES OVER QUIET WATERS BUSINESS PARK ACCESS

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	224.44	CY	\$505.07	\$113,357.91
415-1-9	REINF STEEL- APPROACH SLABS	39,277.00	LB	\$1.03	\$40,455.31

Bridge ML2 Total

\$2,305,113.22

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-13	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE	2,806.00	LF	\$150.01	\$420,928.06
	Comment: TRAFFIC RAILINGS FOR BRIDGES ML1, ML2 AND ML4				

Bridge Total

\$420,928.06

Bridge ML4

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	1,000.00
Width (LF)	62.50
Type	Overpass Bridge
Cost Factor	2.00
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$150.00
Final Cost per SF	\$151.52
Basic Bridge Cost	\$9,375,000.00
Description	BRIDGE OVER DEPRESSED SECTION

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
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400-2-10	CONC CLASS II, APPROACH SLABS	138.89 CY	\$505.07	\$70,149.17
415-1-9	REINF STEEL- APPROACH SLABS	24,305.75 LB	\$1.03	\$25,034.92
Bridge ML4 Total				\$9,470,184.09
Bridges Component Total				\$16,304,188.59

RETAINING WALLS COMPONENT

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
521-8-3	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP	11,236.00 LF	\$293.03	\$3,292,485.08
Comment: RAILING FOR RETAINING WALLS				

Retaining Wall 1

Description	Value
Length	1,433.00
Begin height	4.00
End Height	28.50
Multiplier	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	46,572.50 SF	\$29.37	\$1,367,834.32

Retaining Wall 2

Description	Value
Length	101.00
Begin height	28.50
End Height	28.50
Multiplier	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,878.50 SF	\$29.37	\$84,541.54

Retaining Wall 3

Description	Value
Length	365.00
Begin height	31.70
End Height	29.50
Multiplier	2

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	22,338.00 SF	\$29.37	\$656,067.06

Retaining Wall 4

Description	Value
Length	101.00
Begin height	31.70
End Height	31.70
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	3,201.70	SF	\$29.37	\$94,033.93

Retaining Wall 5

Description	Value
Length	101.00
Begin height	29.50
End Height	29.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,979.50	SF	\$29.37	\$87,507.92

Retaining Wall 6

Description	Value
Length	970.00
Begin height	24.50
End Height	4.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	27,645.00	SF	\$29.37	\$811,933.65

Retaining Wall 7

Description	Value
Length	101.00
Begin height	24.50
End Height	24.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	2,474.50	SF	\$29.37	\$72,676.06

Retaining Wall 8

Description	Value
Length	1,663.00
Begin height	5.00
End Height	25.50

Multiplier 2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	50,721.50	SF	\$29.37	\$1,489,690.46

Retaining Wall 9

Description	Value
Length	61.30
Begin height	25.50
End Height	25.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.15	SF	\$29.37	\$45,909.72

Retaining Wall 10

Description	Value
Length	1,187.00
Begin height	4.00
End Height	25.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	35,016.50	SF	\$29.37	\$1,028,434.60

Retaining Wall 11

Description	Value
Length	61.30
Begin height	25.50
End Height	25.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.15	SF	\$29.37	\$45,909.72

Retaining Walls Component Total	\$9,077,024.09
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Sequence 1 Total	\$55,820,521.31
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Sequence: 4 NDU - New Construction, Divided, Urban**Net Length:** 2.248 MI
11,870 LF**Description:** 6 lane local section to cover turn lanes, shldr WB.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	60.00 / 60.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.248
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	32.70	AC	\$33,571.83	\$1,097,798.84
120-6	EMBANKMENT	74,311.49	CY	\$27.91	\$2,074,033.69

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-6	EMBANKMENT	27,239.00	CY	\$27.91	\$760,240.49
	Comment: EMBANKMENT FOR RETAINING WALL SECTION FOR BRIDGE GP1				

Earthwork Component Total	\$3,932,073.02
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ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Roadway Pavement Width L/R	33.00 / 33.00
Structural Spread Rate	330
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	100,657.33	SY	\$7.65	\$770,028.57
285-709	OPTIONAL BASE,BASE GROUP 09	87,046.43	SY	\$26.54	\$2,310,212.25
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	14,362.66	TN	\$165.90	\$2,382,765.29
337-7-83	ASPH CONC FC,TRAFFIC C,FC-12.5,PG 76-22	7,181.33	TN	\$149.07	\$1,070,520.86

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-72-40	SHLDR CONC BARRIER,38" OR 44" HEIGHT	4,000.00	LF	\$193.50	\$774,000.00
	Comment: barrier wall along the northern edge east of Powerline Road.				

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	1,517.00	EA	\$4.25	\$6,447.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	17.98	GM	\$863.58	\$15,527.17
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	17.98	GM	\$372.47	\$6,697.01
Roadway Component Total					\$7,336,198.40

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	12.25 / 19.25
Total Outside Shoulder Perf. Turf Width L/R	10.00 / 5.00
Sidewalk Width L/R	0.00 / 12.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	11,869.97	LF	\$28.39	\$336,988.45
520-1-10	CONCRETE CURB & GUTTER, TYPE F	11,869.97	LF	\$28.39	\$336,988.45
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	15,826.62	SY	\$40.91	\$647,467.02
570-1-1	PERFORMANCE TURF	19,783.28	SY	\$2.39	\$47,282.04

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	23,739.94	LF	\$1.87	\$44,393.69
104-11	FLOATING TURBIDITY BARRIER	562.02	LF	\$17.27	\$9,706.09
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	562.02	LF	\$9.50	\$5,339.19
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18

104-18	INLET PROTECTION SYSTEM	115.00 EA	\$121.94	\$14,023.10
107-1	LITTER REMOVAL	57.21 AC	\$44.12	\$2,524.11
107-2	MOWING	57.21 AC	\$80.90	\$4,628.29
Shoulder Component Total				\$1,452,934.61

MEDIAN COMPONENT**User Input Data****Description**

Total Median Width

Value

20.00

Performance Turf Width

18.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	23,739.94	LF	\$25.89	\$614,627.05
570-1-1	PERFORMANCE TURF	23,739.94	SY	\$2.39	\$56,738.46
Median Component Total					\$671,365.51

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	40.47	CY	\$2,500.00	\$101,175.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	81.00	EA	\$6,694.62	\$542,264.22
425-1-451	INLETS, CURB, TYPE J-5, <10'	23.00	EA	\$7,862.30	\$180,832.90
425-1-521	INLETS, DT BOT, TYPE C, <10'	12.00	EA	\$4,932.44	\$59,189.28
425-2-41	MANHOLES, P-7, <10'	12.00	EA	\$6,016.13	\$72,193.56
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	5,952.00	LF	\$195.09	\$1,161,175.68
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	536.00	LF	\$314.55	\$168,598.80
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	11,248.00	LF	\$389.84	\$4,384,920.32
570-1-1	PERFORMANCE TURF	683.42	SY	\$2.39	\$1,633.37

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	28.20	CY	\$2,500.00	\$70,500.00
	Comment: End walls for C-2 and C-3 Canals double 72" RCP and double 60" CMP, 14.4+ 13.8				
415-1-6	REINF STEEL- MISCELLANEOUS	2,073.00	LB	\$1.89	\$3,917.97
	Comment: End walls for C-2 and C-3 Canals double 72" RCP and double 60" CMP, 1249 + 824				

Box Culvert 1**Description**

Size

Value

7 x 4

Length

20.00

Multiplier

1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	28.00	CY	\$1,212.90	\$33,961.20
415-1-1	REINF STEEL- ROADWAY	2,900.00	LB	\$1.02	\$2,958.00

Box Culvert 2

Description	Value
Size	5 x 4
Length	100.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-4-1	CONC CLASS IV, CULVERTS	63.20	CY	\$1,212.90	\$76,655.28
415-1-1	REINF STEEL- ROADWAY	7,216.00	LB	\$1.02	\$7,360.32

Drainage Component Total

\$6,867,335.90

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	54.00	AS	\$356.03	\$19,225.62
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	5.00	AS	\$1,111.25	\$5,556.25
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	5.00	AS	\$6,766.35	\$33,831.75
700-2-16	MULTI- POST SIGN, F&I GM, 101-200 SF	5.00	AS	\$9,197.10	\$45,985.50

Signing Component Total

\$104,599.12

SIGNALIZATIONS COMPONENT**Signalization 1**

Description	Value
Type	4 Lane Mast Arm
Multiplier	2
Description	Waterways Blvd. and Independence Dr.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,500.00	LF	\$10.33	\$15,495.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	500.00	LF	\$19.82	\$9,910.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	2.00	PI	\$5,889.59	\$11,779.18
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	32.00	EA	\$676.97	\$21,663.04
639-1-112	ELECTRICAL POWER	2.00	AS	\$2,791.46	\$5,582.92

639-2-1	SRV,F&I,OH,M,PUR BY CON ELECTRICAL SERVICE WIRE, F&I	120.00 LF	\$5.09	\$610.80
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	4.00 EA	\$47,776.11	\$191,104.44
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	18.00 AS	\$996.87	\$17,943.66
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	16.00 AS	\$675.47	\$10,807.52
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	24.00 EA	\$321.17	\$7,708.08
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	24.00 AS	\$1,246.64	\$29,919.36
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	16.00 EA	\$247.92	\$3,966.72
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	2.00 AS	\$28,741.00	\$57,482.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	8.00 EA	\$277.00	\$2,216.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, 30'	2.00	EA	\$29,831.23	\$59,662.46

Signalization 2**Description**

Type

Multiplier

Description

Value

6 Lane Mast Arm

1

Powerline Road

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	700.00	LF	\$10.33	\$7,231.00
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	300.00	LF	\$19.82	\$5,946.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	22.00	EA	\$676.97	\$14,893.34
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
641-2-11	PREST CNC POLE,F&I,TYP P- II,PEDESTAL	1.00	EA	\$1,676.50	\$1,676.50
649-21-21	STEEL MAST ARM ASSEMBLY, F&I, 78'	6.00	EA	\$55,395.71	\$332,374.26
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	20.00	AS	\$996.87	\$19,937.40
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	20.00	EA	\$321.17	\$6,423.40
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	20.00	AS	\$1,246.64	\$24,932.80
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00

700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$277.00	\$1,108.00
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Signalization 3**Description**

Type

Multiplier

Description

SW 28th Ave

Value

4 Lane Mast Arm

1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
649-21-6	STEEL MAST ARM ASSEMBLY, F&I, 50'	1.00	EA	\$43,669.57	\$43,669.57
649-21-8	STEEL MAST ARM ASSEMBLY, F&I, 50'- 40'	1.00	EA	\$45,023.87	\$45,023.87
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	6.00	AS	\$996.87	\$5,981.22
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$277.00	\$1,108.00
Signalizations Component Total					\$1,088,733.42

LIGHTING COMPONENT**Conventional Lighting Subcomponent****Description**

Spacing

Pay Items**Value**

MIN

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	11,869.97	LF	\$10.33	\$122,616.79
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	2,356.01	LF	\$19.82	\$46,696.12
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	79.00	EA	\$676.97	\$53,480.63
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	43,352.36	LF	\$2.60	\$112,716.14

715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	79.00 EA	\$5,943.21	\$469,513.59
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	79.00 EA	\$572.79	\$45,250.41
Subcomponent Total				\$850,273.67
Lighting Component Total				\$850,273.68

BRIDGES COMPONENT**Bridge GP1**

Description	Value
Estimate Type	SF Estimate
Primary Estimate	YES
Length (LF)	990.00
Width (LF)	59.00
Type	Overpass Bridge
Cost Factor	2.40
Structure No.	
Removal of Existing Structures area	0.00
Default Cost per SF	\$75.00
Factored Cost per SF	\$180.00
Final Cost per SF	\$188.06
Basic Bridge Cost	\$10,513,800.00
Description	WEST END BRIDGE OVER MANAGED LANES

Bridge Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-10	CONC CLASS II, APPROACH SLABS	131.11	CY	\$505.07	\$66,219.73
415-1-9	REINF STEEL- APPROACH SLABS	22,944.25	LB	\$1.03	\$23,632.58

Bridge X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-5-13	CONC TRAF RAIL- BRIDGE, 36" SING SLOPE	2,540.00	LF	\$150.01	\$381,025.40
Comment: BRIDGE GP1 TRAFFIC RAILING					

Bridge GP1 Total \$10,984,677.71

Bridges Component Total \$10,984,677.71

RETAINING WALLS COMPONENT**X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
521-8-3	CONC TRAF RAIL BAR,JCT SLAB,32"V SHP	1,730.00	LF	\$293.03	\$506,941.90
Comment: TRAFFIC RAILING FOR WALLS					

Retaining Wall 1

Description	Value
-------------	-------

Length	535.00
Begin height	4.00
End Height	26.50
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	16,317.50	SF	\$29.37	\$479,244.98

Retaining Wall 2**Description**

Length	59.00
Begin height	26.50
End Height	26.50
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	1,563.50	SF	\$29.37	\$45,920.00

Retaining Wall 3**Description**

Length	330.00
Begin height	15.00
End Height	4.00
Multiplier	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	6,270.00	SF	\$29.37	\$184,149.90

Retaining Wall 4**Description**

Length	59.00
Begin height	15.00
End Height	15.00
Multiplier	1

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
548-12	RET WALL SYSTEM, PERM, EX BARRIER	885.00	SF	\$29.37	\$25,992.45

Retaining Walls Component Total

\$1,242,249.23

Sequence 4 Total

\$34,530,440.60

Sequence: 5NUR - New Construction, Undivided, Rural**Net Length:** 2.248 MI
11,870 LF**Description:** Temporary roadway to maintain traffic for the local lanes as it is unclear whether the permanent can be put into place first due to utility relocations and critical path of the projects.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	35.00 / 35.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	2.248
Top of Structural Course For Begin Section	100.00
Top of Structural Course For End Section	100.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	19.07	AC	\$33,571.83	\$640,214.80
120-1	REGULAR EXCAVATION	173,065.23	CY	\$19.67	\$3,404,193.07
Earthwork Component Total					\$4,044,407.87

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	5
Roadway Pavement Width L/R	34.50 / 34.50
Structural Spread Rate	220
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	96,278.63	SY	\$7.65	\$736,531.52
285-706	OPTIONAL BASE,BASE GROUP 06	91,873.55	SY	\$18.72	\$1,719,872.86
334-1-14	SUPERPAVE ASPHALTIC CONC, TRAFFIC D	10,010.34	TN	\$114.87	\$1,149,887.76

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
102-71-13	TEMPORARY BARRIER, F&I,LOW PROFILE,CONC	11,870.00	LF	\$35.87	\$425,776.90

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt

Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	2
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	1,821.00	EA	\$4.25	\$7,739.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	8.99	GM	\$863.58	\$7,763.58
710-11-231	PAINTED PAVT MARK,STD,YELLOW,SKIP,6"	17.98	GM	\$396.23	\$7,124.22
Roadway Component Total					\$4,054,696.09

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	2.00 / 2.00
Total Outside Shoulder Perf. Turf Width L/R	2.00 / 2.00
Paved Outside Shoulder Width L/R	0.00 / 0.00
Structural Spread Rate	110
Friction Course Spread Rate	165
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	5,275.54	SY	\$2.39	\$12,608.54

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	30,861.92	LF	\$1.87	\$57,711.79
104-11	FLOATING TURBIDITY BARRIER	562.02	LF	\$17.27	\$9,706.09
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	562.02	LF	\$9.50	\$5,339.19
104-15	SOIL TRACKING PREVENTION DEVICE	3.00	EA	\$1,198.06	\$3,594.18
107-1	LITTER REMOVAL	27.25	AC	\$44.12	\$1,202.27
107-2	MOWING	27.25	AC	\$80.90	\$2,204.52
Shoulder Component Total					\$92,366.59

SIGNING COMPONENT**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	5.00	AS	\$356.03	\$1,780.15

700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	45.00 AS	\$1,111.25	\$50,006.25
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	5.00 AS	\$4,644.86	\$23,224.30
Signing Component Total				\$75,010.70
Sequence 5 Total				\$8,266,481.25

Draft

Sequence: 6 WDU - Widen/Resurface, Divided, Urban**Net Length:** 0.530 MI
2,800 LF**Description:** Handles work along Powerline Road.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	0.00 / 25.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.530
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Existing Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	4.00 % / 4.00 %
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.61	AC	\$33,571.83	\$54,050.65
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	1,100.70	CY	\$25.26	\$27,803.68
Earthwork Component Total					\$81,854.33

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	6
Existing Roadway Pavement Width L/R	40.00 / 40.00
Structural Spread Rate	330
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	0.00 / 12.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,535.97	SY	\$7.65	\$34,700.17
285-709	OPTIONAL BASE,BASE GROUP 09	3,835.98	SY	\$26.54	\$101,806.91
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	24,888.75	SY	\$4.59	\$114,239.36
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	4,106.64	TN	\$165.90	\$681,291.58

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	616.00 TN	\$165.90	\$102,194.40
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	995.55 TN	\$149.07	\$148,406.64
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	308.00 TN	\$149.07	\$45,913.56

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other

Pavement Type

Solid Stripe No. of Paint Applications

Solid Stripe No. of Stripes

Skip Stripe No. of Paint Applications

Skip Stripe No. of Stripes

Value

N

Asphalt

2

4

2

4

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	358.00	EA	\$4.25	\$1,521.50
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	4.24	GM	\$863.58	\$3,661.58
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.24	GM	\$372.47	\$1,579.27
Roadway Component Total					\$1,235,314.97

SHOULDER COMPONENT**User Input Data****Description**

Existing Total Outside Shoulder Width L/R

New Total Outside Shoulder Width L/R

Total Outside Shoulder Perf. Turf Width L/R

Sidewalk Width L/R

Value

12.25 / 12.25

7.25 / 13.25

5.00 / 5.00

0.00 / 6.00

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	2,799.98	LF	\$28.39	\$79,491.43
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,866.66	SY	\$40.91	\$76,365.06
570-1-1	PERFORMANCE TURF	3,111.09	SY	\$2.39	\$7,435.51

Erosion Control**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,599.97	LF	\$1.87	\$10,471.94
104-11	FLOATING TURBIDITY BARRIER	53.03	LF	\$17.27	\$915.83
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	53.03	LF	\$9.50	\$503.78
104-15	SOIL TRACKING PREVENTION DEVICE	1.00	EA	\$1,198.06	\$1,198.06

104-18	INLET PROTECTION SYSTEM	25.00 EA	\$121.94	\$3,048.50
107-1	LITTER REMOVAL	4.62 AC	\$44.12	\$203.83
107-2	MOWING	4.62 AC	\$80.90	\$373.76
Shoulder Component Total				\$180,007.71

MEDIAN COMPONENT**User Input Data****Description****Value**

Total Median Width

22.00

Performance Turf Width

11.50

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
570-1-1	PERFORMANCE TURF	3,577.76	SY	\$2.39	\$8,550.85

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
520-1-7	CONCRETE CURB & GUTTER, TYPE E	3,600.00	LF	\$25.89	\$93,204.00

Median Component Total**\$101,754.85****DRAINAGE COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	9.55	CY	\$2,500.00	\$23,875.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	20.00	EA	\$6,694.62	\$133,892.40
425-1-451	INLETS, CURB, TYPE J-5, <10'	6.00	EA	\$7,862.30	\$47,173.80
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	296.00	LF	\$195.09	\$57,746.64
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	88.00	LF	\$314.55	\$27,680.40
570-1-1	PERFORMANCE TURF	161.21	SY	\$2.39	\$385.29

Drainage Component Total**\$290,753.53****SIGNING COMPONENT****Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	12.00	AS	\$356.03	\$4,272.36
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	2.00	AS	\$1,111.25	\$2,222.50
700-1-50	SINGLE POST SIGN, RELOCATE	2.00	AS	\$281.30	\$562.60
700-1-60	SINGLE POST SIGN, REMOVE	12.00	AS	\$29.03	\$348.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	2.00	AS	\$4,644.86	\$9,289.72

700-2-60	MULTI- POST SIGN, REMOVE	2.00 AS	\$666.24	\$1,332.48
Signing Component Total				\$18,028.02

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Signal for Quiet Waters
Business Park at Powerline
Road.**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00
632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00	PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00	EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00	AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00	LF	\$5.09	\$305.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	1.00	EA	\$47,776.11	\$47,776.11
649-21-11	STEEL MAST ARM ASSEMBLY, F&I, 60'- 30'	1.00	EA	\$50,189.13	\$50,189.13
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	7.00	AS	\$996.87	\$6,978.09
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00	AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00	EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00	AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00	EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00	AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00	EA	\$277.00	\$1,108.00

Signalization 2**Description**

Type

Multiplier

Description

Value

4 Lane Mast Arm

1

Signals for Powerline Road and
West Drive**Pay Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	750.00	LF	\$10.33	\$7,747.50
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	250.00	LF	\$19.82	\$4,955.00

632-7-1	SIGNAL CABLE- NEW OR RECO, FUR & INSTALL	1.00 PI	\$5,889.59	\$5,889.59
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	16.00 EA	\$676.97	\$10,831.52
639-1-112	ELECTRICAL POWER SRV,F&I,OH,M,PUR BY CON	1.00 AS	\$2,791.46	\$2,791.46
639-2-1	ELECTRICAL SERVICE WIRE, F&I	60.00 LF	\$5.09	\$305.40
649-21-10	STEEL MAST ARM ASSEMBLY, F&I, 60'	2.00 EA	\$47,776.11	\$95,552.22
650-1-14	VEH TRAF SIGNAL,F&I ALUMINUM, 3 S 1 W	9.00 AS	\$996.87	\$8,971.83
653-1-11	PEDESTRIAN SIGNAL, F&I LED COUNT, 1 WAY	8.00 AS	\$675.47	\$5,403.76
660-1-102	LOOP DETECTOR INDUCTIVE, F&I, TYPE 2	12.00 EA	\$321.17	\$3,854.04
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	12.00 AS	\$1,246.64	\$14,959.68
665-1-11	PEDESTRIAN DETECTOR, F&I, STANDARD	8.00 EA	\$247.92	\$1,983.36
670-5-111	TRAF CNTL ASSEM, F&I, NEMA, 1 PREEMPT	1.00 AS	\$28,741.00	\$28,741.00
700-3-101	SIGN PANEL, F&I GM, UP TO 12 SF	4.00 EA	\$277.00	\$1,108.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
649-21-1	STEEL MAST ARM ASSEMBLY, F&I, 30'	2.00	EA	\$29,831.23	\$59,662.46
	Comment: Signals for West Drive Traffic				
	Signalizations Component Total				\$446,270.46

LIGHTING COMPONENT**Conventional Lighting Subcomponent**

Description		Value			
Spacing		MIN			
X-Items					
Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
715-21-2	LIGHTING REPAIRS AND RETROFITS, LED RETR	30.00	EA	\$1,096.34	\$32,890.20
		Comment: retrofit existing lighting with LED's			
Lighting Component Total					\$32,890.20

Sequence 6 Total \$2,386,874.07

Sequence: 7 NUU - New Construction, Undivided, Urban**Net Length:** 0.275 MI
1,450 LF**Description:** Street extension/relocation at Quiet Waters Business Park.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	30.00 / 30.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.275
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Front Slope L/R	6 to 1 / 6 to 1
Outside Shoulder Cross Slope L/R	2.00 % / 2.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	2.00	AC	\$33,571.83	\$67,143.66
120-6	EMBANKMENT	5,538.04	CY	\$27.91	\$154,566.70
Earthwork Component Total					\$221,710.36

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Roadway Pavement Width L/R	11.00 / 11.00
Structural Spread Rate	275
Friction Course Spread Rate	165

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	4,375.44	SY	\$7.65	\$33,472.12
285-709	OPTIONAL BASE,BASE GROUP 09	3,544.17	SY	\$26.54	\$94,062.27
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	487.32	TN	\$165.90	\$80,846.39
337-7-83	ASPH CONC FC,TRAFFIC C,FC- 12.5,PG 76-22	292.39	TN	\$149.07	\$43,586.58

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	1

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
706-3	RETRO-REFLECTIVE/RAISED PAVEMENT MARKERS	37.00 EA	\$4.25	\$157.25
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	2.20 GM	\$863.58	\$1,899.88
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	0.55 GM	\$372.47	\$204.86
Roadway Component Total				\$254,229.35

SHOULDER COMPONENT**User Input Data****Description****Value**

Total Outside Shoulder Width L/R	7.25 / 15.25
Total Outside Shoulder Perf. Turf Width L/R	5.00 / 5.00
Sidewalk Width L/R	0.00 / 8.00

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,449.89 LF	\$28.39	\$41,162.38
520-1-10	CONCRETE CURB & GUTTER, TYPE F	1,449.89 LF	\$28.39	\$41,162.38
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	1,288.79 SY	\$40.91	\$52,724.40
570-1-1	PERFORMANCE TURF	1,610.99 SY	\$2.39	\$3,850.27

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	2,899.78 LF	\$1.87	\$5,422.59
104-11	FLOATING TURBIDITY BARRIER	68.65 LF	\$17.27	\$1,185.59
104-12	STAKED TURBIDITY BARRIER-NYL REINF PVC	68.65 LF	\$9.50	\$652.18
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,198.06	\$1,198.06
104-18	INLET PROTECTION SYSTEM	15.00 EA	\$121.94	\$1,829.10
107-1	LITTER REMOVAL	3.33 AC	\$44.12	\$146.92
107-2	MOWING	3.33 AC	\$80.90	\$269.40
Shoulder Component Total				\$149,603.27

DRAINAGE COMPONENT**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	4.94 CY	\$2,500.00	\$12,350.00
425-1-351	INLETS, CURB, TYPE P-5, <10'	10.00 EA	\$6,694.62	\$66,946.20
425-1-451	INLETS, CURB, TYPE J-5, <10'	3.00 EA	\$7,862.30	\$23,586.90

425-1-521	INLETS, DT BOT, TYPE C, <10'	2.00 EA	\$4,932.44	\$9,864.88
425-2-41	MANHOLES, P-7, <10'	2.00 EA	\$6,016.13	\$12,032.26
430-175-124	PIPE CULV, OPT MATL, ROUND, 24"S/CD	640.00 LF	\$195.09	\$124,857.60
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	64.00 LF	\$314.55	\$20,131.20
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	1,376.00 LF	\$389.84	\$536,419.84
570-1-1	PERFORMANCE TURF	83.48 SY	\$2.39	\$199.52
Drainage Component Total				\$806,388.40

SIGNING COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	6.00 AS	\$356.03	\$2,136.18
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	1.00 AS	\$1,111.25	\$1,111.25
700-2-15	MULTI- POST SIGN, F&I GM, 51-100 SF	1.00 AS	\$6,766.35	\$6,766.35
Signing Component Total				\$10,013.78

LIGHTING COMPONENT

Conventional Lighting Subcomponent		Value		
Description				MAX
Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	1,449.89 LF	\$10.33	\$14,977.36
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	189.20 LF	\$19.82	\$3,749.94
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	6.00 EA	\$676.97	\$4,061.82
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	4,917.26 LF	\$2.60	\$12,784.88
715-4-13	LIGHT POLE COMPLETE, F&I-STD, 40'	6.00 EA	\$5,943.21	\$35,659.26
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	6.00 EA	\$572.79	\$3,436.74
Subcomponent Total				\$74,670.00
Lighting Component Total				\$74,670.00
Sequence 7 Total				\$1,516,615.16

Sequence: 9 MIS - Miscellaneous Construction**Net Length:** 0.000 MI
0 LF**Description:** Ground mount sound walls.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
534-72-101	SOUND/NOISE BARRIER-INC FOUNDATION, PERM Comment: SEE CADD FILE - 5,920' SOUTH SIDE OF CORRIDOR; 4,225' NORTH SIDE OF CORRIDOR	223,190.00	SF	\$55.67	\$12,424,987.30
Roadway Component Total					\$12,424,987.30
Sequence 9 Total					\$12,424,987.30

Sequence: 10 WDR - Widen/Resurface, Divided, Rural**Net** 0.474 MI
Length: 2,500 LF**Description:** Covers the widen, mill and resurfacing along the connector road west of Seq. 1 at the turnpike as well as the reconstruction of the NB to WB loop ramp.**EARTHWORK COMPONENT****User Input Data**

Description	Value
Standard Clearing and Grubbing Limits L/R	15.00 / 15.00
Incidental Clearing and Grubbing Area	0.00
Alignment Number	1
Distance	0.284
Top of Structural Course For Begin Section	102.00
Top of Structural Course For End Section	102.00
Horizontal Elevation For Begin Section	100.00
Horizontal Elevation For End Section	100.00
Existing Front Slope L/R	6 to 1 / 6 to 1
Existing Median Slope L/R	6 to 1 / 6 to 1
Existing Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Existing Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Front Slope L/R	6 to 1 / 6 to 1
Median Slope L/R	6 to 1 / 6 to 1
Median Shoulder Cross Slope L/R	5.00 % / 5.00 %
Outside Shoulder Cross Slope L/R	6.00 % / 6.00 %
Roadway Cross Slope L/R	2.00 % / 2.00 %

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	1.72	AC	\$33,571.83	\$57,743.55
120-2-2	BORROW EXCAVATION, TRUCK MEASURE	357.66	CY	\$25.26	\$9,034.49
Earthwork Component Total					\$66,778.04

ROADWAY COMPONENT**User Input Data**

Description	Value
Number of Lanes	2
Existing Roadway Pavement Width L/R	24.00 / 0.00
Structural Spread Rate	220
Friction Course Spread Rate	80
Widened Outside Pavement Width L/R	15.00 / 0.00
Widened Inside Pavement Width L/R	0.00 / 0.00
Widened Structural Spread Rate	330
Widened Friction Course Spread Rate	80

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
160-4	TYPE B STABILIZATION	10,278.11	SY	\$7.65	\$78,627.54
285-709	OPTIONAL BASE,BASE GROUP 09	4,258.47	SY	\$26.54	\$113,019.79
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	6,666.88	SY	\$4.59	\$30,600.98

334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	733.36 TN	\$165.90	\$121,664.42
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	687.52 TN	\$165.90	\$114,059.57
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	266.68 TN	\$183.10	\$48,829.11
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	166.67 TN	\$183.10	\$30,517.28

Pavement Marking Subcomponent**Description**

Include Thermo/Tape/Other
Pavement Type
Solid Stripe No. of Paint Applications
Solid Stripe No. of Stripes
Skip Stripe No. of Paint Applications
Skip Stripe No. of Stripes

Value

N
Asphalt
2
4
2
0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	64.00	EA	\$4.78	\$305.92
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	3.79	GM	\$863.58	\$3,272.97
Roadway Component Total					\$540,897.58

SHOULDER COMPONENT**User Input Data****Description**

Existing Total Outside Shoulder Width L/R
New Total Outside Shoulder Width L/R
Total Outside Shoulder Perf. Turf Width L/R
Existing Paved Outside Shoulder Width L/R
New Paved Outside Shoulder Width L/R
Structural Spread Rate
Friction Course Spread Rate
Total Width (T) / 8" Overlap (O)
Rumble Strips 1/2 No. of Sides

Value

6.00 / 6.00
6.00 / 0.00
2.00 / 0.00
2.00 / 4.00
2.00 / 0.00
110
80
0
0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
285-704	OPTIONAL BASE,BASE GROUP 04	647.24	SY	\$18.90	\$12,232.84
327-70-1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	1,666.72	SY	\$2.64	\$4,400.14
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	30.56	TN	\$165.90	\$5,069.90
337-7-25	ASPH CONC FC,INC BIT,FC- 5,PG76-22	7.33	TN	\$183.10	\$1,342.12
570-1-1	PERFORMANCE TURF	555.57	SY	\$2.39	\$1,327.81

Erosion Control**Pay Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
104-10-3	SEDIMENT BARRIER	5,750.18 LF	\$1.87	\$10,752.84
104-11	FLOATING TURBIDITY BARRIER	47.35 LF	\$17.27	\$817.73
104-12	STAKED TURBIDITY BARRIER- NYL REINF PVC	47.35 LF	\$9.50	\$449.83
104-15	SOIL TRACKING PREVENTION DEVICE	1.00 EA	\$1,198.06	\$1,198.06
107-1	LITTER REMOVAL	3.44 AC	\$44.12	\$151.77
107-2	MOWING	3.44 AC	\$80.90	\$278.30
Shoulder Component Total				\$38,021.34

DRAINAGE COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
400-2-2	CONC CLASS II, ENDWALLS	8.52 CY	\$2,500.00	\$21,300.00
430-174-124	PIPE CULV, OPT MATL, ROUND,24"SD	384.00 LF	\$463.20	\$177,868.80
430-175-136	PIPE CULV, OPT MATL, ROUND, 36"S/CD	40.00 LF	\$314.55	\$12,582.00
430-984-129	MITERED END SECT, OPTIONAL RD, 24" SD	19.00 EA	\$3,868.31	\$73,497.89
570-1-1	PERFORMANCE TURF	333.34 SY	\$2.39	\$796.68
Drainage Component Total				\$286,045.37

SIGNING COMPONENT

Pay Items				
Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-1-11	SINGLE POST SIGN, F&I GM, <12 SF	1.00 AS	\$356.03	\$356.03
700-1-12	SINGLE POST SIGN, F&I GM, 12-20 SF	12.00 AS	\$1,111.25	\$13,335.00
700-1-50	SINGLE POST SIGN, RELOCATE	1.00 AS	\$281.30	\$281.30
700-1-60	SINGLE POST SIGN, REMOVE	12.00 AS	\$29.03	\$348.36
700-2-14	MULTI- POST SIGN, F&I GM, 31-50 SF	1.00 AS	\$4,644.86	\$4,644.86
700-2-60	MULTI- POST SIGN, REMOVE	1.00 AS	\$666.24	\$666.24
Signing Component Total				\$19,631.79

LIGHTING COMPONENT**Rural Lighting Subcomponent****Description**

Multiplier (Number of Poles)

Value

4

Pay Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	800.00 LF	\$10.33	\$8,264.00

635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	4.00 EA	\$676.97	\$2,707.88
715-1-13	LIGHTING CONDUCTORS, F&I, INSUL, NO.4-2	2,400.00 LF	\$2.60	\$6,240.00
715-4-14	LIGHT POLE COMPLETE, F&I-STD, 45'	4.00 EA	\$7,290.02	\$29,160.08
715-500-1	POLE CABLE DIST SYS, CONVENTIONAL	4.00 EA	\$572.79	\$2,291.16
	Subcomponent Total			\$48,663.12
	Lighting Component Total			\$48,663.12
<hr/>				
Sequence 10 Total				\$1,000,037.24
<hr/>				

Sequence: 11 RSD - Resurfacing, Divided**Net** 1.000 MI
Length: 5,280 LF**Description:** Construct Water Feature Enhancement ponds and resurface Century Blvd. from Ellesmere Dr. to Hillsboro Blvd due to pond construction.**ROADWAY COMPONENT****User Input Data**

Description	Value
Number of Lanes	4
Roadway Pavement Width L/R	24.00 / 24.00
Structural Spread Rate	110
Friction Course Spread Rate	0

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
327-70-5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	28,160.00	SY	\$4.59	\$129,254.40
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	1,548.80	TN	\$165.90	\$256,945.92

Pavement Marking Subcomponent

Description	Value
Include Thermo/Tape/Other	N
Pavement Type	Asphalt
Solid Stripe No. of Paint Applications	2
Solid Stripe No. of Stripes	4
Skip Stripe No. of Paint Applications	2
Skip Stripe No. of Stripes	2

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
706-1-1	RAISED PAVMT MARK, TYPE B W/O FINAL SURF	405.00	EA	\$4.78	\$1,935.90
710-11-101	PAINTED PAVT MARK,STD,WHITE,SOLID,6"	8.00	GM	\$863.58	\$6,908.64
710-11-131	PAINTED PAVT MARK,STD,WHITE,SKIP, 6"	4.00	GM	\$372.47	\$1,489.88

Roadway Component Total

\$396,534.74

SHOULDER COMPONENT**User Input Data**

Description	Value
Total Outside Shoulder Width L/R	10.00 / 10.00
Total Outside Shoulder Perf. Turf Width L/R	2.67 / 2.67
Paved Outside Shoulder Width L/R	5.00 / 5.00
Structural Spread Rate	110
Friction Course Spread Rate	80
Total Width (T) / 8" Overlap (O)	T
Rumble Strips 1/2 No. of Sides	0

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	3,520.00	SY	\$40.91	\$144,003.20
	Comment: 12' WIDE SHARED USE PATH. 0.5 miles per pond, 3 ponds.				
Shoulder Component Total					\$144,003.20

DRAINAGE COMPONENT**Retention Basin 1**

Description	Value
Size	1 AC
Multiplier	1
Depth	6.00
Description	Three new ponds incorporating 11.18 acres. For depth, assume an average of 10 feet. The input parameters have been overridden by X-item quantities.

Pay Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
110-1-1	CLEARING & GRUBBING	11.18	AC	\$33,571.83	\$375,333.06
400-2-2	CONC CLASS II, ENDWALLS	48.90	CY	\$2,500.00	\$122,250.00

X-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
120-1	REGULAR EXCAVATION	180,371.00	CY	\$10.00	\$1,803,710.00
	Comment: 11.18 AC (487,000.8 SF)x 10' depth / 27				
430-175-148	PIPE CULV, OPT MATL, ROUND, 48"S/CD	1,256.00	LF	\$389.84	\$489,639.04
	Comment: 300 LF + 750 LF + 200 LF = 1250				
570-1-1	PERFORMANCE TURF	182,780.00	SY	\$2.39	\$436,844.20
	Comment: Area of restored sod outside of the ponds due to construction, CADD file quant. - 11.18 AC				
Drainage Component Total					\$3,227,776.30

LANDSCAPING COMPONENT**User Input Data**

Description	Value
Lump Sum	981,000.00
Cost %	0.00
Component Detail	N

Landscaping Component Total \$981,000.00

Sequence 11 Total \$4,749,314.24

Sequence: 12 MIS - Miscellaneous Construction**Net** 0.000 MI
Length: 0 LF**Description:** This sequence is for the corridor signing and ITS quantities developed by HDR.**ROADWAY COMPONENT****X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	28.00 EA	\$243.79	\$6,826.12
711-14-660	THERMOPLASTIC, PREFORMED, MULTI, ROUTE S	2.00 EA	\$2,909.43	\$5,818.86
Roadway Component Total				\$12,644.98

SIGNING COMPONENT**X-Items**

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
700-3-204	SIGN PANEL, F&I OM, 31-50 SF	1.00 EA	\$1,375.56	\$1,375.56
700-3-205	SIGN PANEL, F&I OM, 51-100 SF	3.00 EA	\$2,998.52	\$8,995.56
700-3-206	SIGN PANEL, F&I OM, 101-200 SF	8.00 EA	\$5,048.64	\$40,389.12
700-3-207	SIGN PANEL, F&I OM, 201-300 SF	9.00 EA	\$8,096.72	\$72,870.48
700-3-208	SIGN PANEL, F&I OM, 301-400 SF	6.00 EA	\$9,371.03	\$56,226.18
700-3-211	SIGN PANEL, F&I OM, 601 SF AND GREATER	2.00 EA	\$22,947.38	\$45,894.76
700-4-112	OH STATIC SIGN STR, F&I, C 21-30 FT	3.00 EA	\$61,935.33	\$185,805.99
700-4-113	OH STATIC SIGN STR, F&I, C 31-40 FT	8.00 EA	\$60,433.33	\$483,466.64
700-4-114	OH STATIC SIGN STR, F&I, C 41-50 FT	2.00 EA	\$69,967.17	\$139,934.34
700-4-125	OH STATIC SIGN STR, F&I, S 51-100 FT	9.00 EA	\$197,000.00	\$1,773,000.00
700-7-132	EMBED DYNAMIC MESS SIGN, F&I, FULL, 12-20	4.00 EA	\$30,643.90	\$122,575.60
700-8-134	FRONT ACC DYN MESS SIGN, F&I, FULL, 31-50	7.00 EA	\$52,722.82	\$369,059.74
700-8-136	FRONT ACC DYN MESS SIGN, F&I, FULL, 101-	1.00 EA	\$104,433.33	\$104,433.33
700-9-137	WALK-IN DYN MESS SIGN, F&I, FULL, 201-	1.00 EA	\$139,519.81	\$139,519.81
700-10-115	DMS SUPPORT STRUCTURE, SPAN, 51-100 FT	1.00 EA	\$131,989.97	\$131,989.97
Signing Component Total				\$3,675,537.08

SIGNALIZATIONS COMPONENT**Signalization 1****Description**

Type

Multiplier

Value

Miscellaneous

1

Description

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
641-2-11	PREST CNC POLE,F&I,TYP P-II,PEDESTAL	21.00 EA	\$1,676.50	\$35,206.50
641-2-13	PREST CNC POLE,F&I,TYP P-III	11.00 EA	\$5,592.94	\$61,522.34
684-1-1	MANAGED FIELD ETHERNET SWITCH, F&I	43.00 EA	\$3,784.98	\$162,754.14
685-1-11	UPS POWER SUPPLY, F&I, LINE INTERACTIVE	43.00 EA	\$3,689.23	\$158,636.89
Signalizations Component Total				\$418,119.87

INTELLIGENT TRAFFIC SYSTEM (ITS) COMPONENT

Description of Work

X-Items

Pay item	Description	Quantity Unit	Unit Price	Extended Amount
630-2-11	CONDUIT, F& I, OPEN TRENCH	11,524.00 LF	\$10.33	\$119,042.92
630-2-12	CONDUIT, F& I, DIRECTIONAL BORE	5,762.00 LF	\$19.82	\$114,202.84
630-2-15	CONDUIT, F& I, BRIDGE MOUNT	2,593.00 LF	\$21.63	\$56,086.59
633-1-122	FIBER OPTIC CABLE, F&I, UG,13-48	5,762.00 LF	\$3.33	\$19,187.46
633-1-124	FIBER OPTIC CABLE, F&I, UG,97-144	28,808.00 LF	\$3.51	\$101,116.08
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	477.00 EA	\$46.41	\$22,137.57
633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERM	1,030.00 EA	\$98.24	\$101,187.20
633-3-11	FIBER OPTIC CONN HDWR, SPLICE ENCLOSURE	43.00 EA	\$885.58	\$38,079.94
633-3-12	FIBER OPTIC CONN HDWR, SPLICE TRAY	43.00 EA	\$68.68	\$2,953.24
633-3-13	FIBER OPTIC CONN HDWR, PRETERM CONNECT A	43.00 EA	\$56.58	\$2,432.94
633-3-15	FIBER OPTIC CONN HDWR, PRETERM PATCH PAN	43.00 EA	\$1,848.01	\$79,464.43
633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, F&I	12,870.00 LF	\$7.48	\$96,267.60
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24"	57.00 EA	\$676.97	\$38,587.29
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36"	52.00 EA	\$1,353.72	\$70,393.44
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" OR 36"	48.00 EA	\$2,643.27	\$126,876.96
639-1-122	ELECTRICAL POWER SRV,F&I, UG,PUR CONT	3.00 AS	\$2,939.57	\$8,818.71
639-2-1	ELECTRICAL SERVICE WIRE, F&I	17,719.00 LF	\$5.09	\$90,189.71
639-3-12	ELEC SERV DISCON, F&I,	43.00 EA	\$665.48	\$28,615.64

	CABINET			
641-3-163	CONCRETE CCTV POLE, FUR & INS W/LOW	17.00 EA	\$22,079.77	\$375,356.09
660-3-11	VEHICLE DETECTION SYSTEM-MICRO,F&I, CAB	22.00 EA	\$774.22	\$17,032.84
660-3-12	VEHICLE DETECTION SYSTEM-MICRO,F&I, ABO	22.00 EA	\$9,030.42	\$198,669.24
660-6-121	VEHICLE DETECTION SYSTEM-AVI B,F&I, CAB	2.00 EA	\$2,198.98	\$4,397.96
660-6-122	VEHICLE DETECTION SYSTEM-AVI B,F&I, ABO	2.00 EA	\$7,699.27	\$15,398.54
676-2-122	ITS CABINET- F&I, POLE, 336S	21.00 EA	\$8,523.42	\$178,991.82
676-2-143	ITS CABINET- F&I, BASE, 334	21.00 EA	\$8,723.50	\$183,193.50
682-1-113	ITS CCTV CAMERA, F&I, DOME ENCL-PRESS	17.00 EA	\$7,546.08	\$128,283.36
684-2-1	DEVICE SERVER, F&I	22.00 EA	\$994.36	\$21,875.92

EX-Items

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	TOLLING GANTRY Comment: Cost includes toll building and all equipment. Price is from I-95 PHASE 3B-1 EXPRESS LANES (8/15/2016)	2.00	LS	\$1,700,000.00	\$3,400,000.00
Intelligent Traffic System (ITS) Component Total					\$5,638,839.83
Sequence 12 Total					\$9,745,141.76

Sequence: 13 MIS - Miscellaneous Construction**Net** 0.000 MI
Length: 0 LF**Description:** Sequence for Risk Based Contingency**MISCELLANEOUS COMPONENT****EX-Items**

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
1	RISK BASED CONTINGENCY	1.00	LS	\$11,300,000.00	\$11,300,000.00

Miscellaneous Component Total					\$11,300,000.00
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Sequence 13 Total					\$11,300,000.00
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Date: 6/8/2020 5:11:12 PM

FDOT Long Range Estimating System - Production

R3: Project Details by Sequence Report

Project: 439891-1-52-01**Letting Date:** 12/2022**Description:** SR-869/SW 10 ST FROM W OF SR-845/POWERLINE RD TO WEST OF MILITARY TRL**District:** 04 **County:** 86 BROWARD**Market Area:** 12**Units:** English**Contract Class:** 9 **Lump Sum Project:** N**Design/Build:** Y**Project Length:** 2.158 MI**Project Manager:** BOSTIAN**Version 30 Project Grand Total****\$183,698,495.51****Description:** SR-869/SW 10TH STREET FROM WEST OF POWERLINE ROAD TO WEST OF MILITARY TRAIL. Without Powerline Road access ramps and HDR quantities for Signing and ITS.**Project Sequences Subtotal****\$141,740,412.93**

102-1	Maintenance of Traffic	10.00 %	\$14,174,041.29
101-1	Mobilization	8.00 %	\$12,473,156.34

Project Sequences Total**\$168,387,610.56**

Project Unknowns	0.00 %	\$0.00
Design/Build	9.00 %	\$15,154,884.95

Non-Bid Components:

Pay item	Description	Quantity	Unit	Unit Price	Extended Amount
999-16	PARTNERING (DO NOT BID)	2.00	LS	\$3,000.00	\$6,000.00
999-25	INITIAL CONTINGENCY AMOUNT (DO NOT BID)		LS	\$150,000.00	\$150,000.00
Project Non-Bid Subtotal					\$156,000.00

Version 30 Project Grand Total**\$183,698,495.51**

Appendix G – Pump Station Technical Memorandum

DRAFT

To:	Robert Bostian, P.E. FDOT Project Manager	FPID No:	439891-1-22-02
		Contract No.:	C9V60
From:	Cassie Piche, P.E. 3400 West Commercial Blvd Fort Lauderdale FL		
Subject:	Pump Station Analysis		
Date:	October 10, 2018		

A preliminary pump station analysis was completed for four alternatives being presented at the November 29 Public Alternatives Workshop. The following technical memo describes the assumptions and computations for the pump station design for each alternative.

Fully Depressed Alternative (117)

For the pump stations serving the depressed section the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within NEMA 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, there does appear to be space on this alternative to use one. For the pump station serving the canal on the north and south side of SW 10th street we are using a building to house both the generator and the electrical gear. A fuel tank is not shown, as there are a number of options for the fuel tank which include a tank within the building, underground tank, or above ground tank adjacent to the building. Below are the backup assumptions for determining the size.

Alternative 117 – (Fully Depressed Section)

- Area of depressed roadway = 14.96 acres – 4.43 acres (bridge) = 10.53
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = (10.53)(0.95)(9.25) = 92.53 cfs
- Plan is to use two pump stations for the Fully Depressed Section.
- West Pump Station will pump to Pond Alternative 2
- East Pump Station will pump to C-2 Canal
- Each Pump Station Capacity = 45.3cfs = 20,767gpm
- Quadplex Pump Station with each pump sized for a third of the total capacity.
- Forcemain size from pump station to each discharge location = 48" (3.69fps) with a total length of 3425ft.
- Approximate Pump Duty Point = 7000 gpm at 54ft – Yields approximate horsepower of 135hp
- Approximate Generator Size = 600Kw (Conservatively sized for four pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3 minutes of run time for one pump.

- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

C-2 Canal Pump Stations

This alternative requires a pump station on the north and south side of SW 10th street to pump provide either flow to the north or flow to the south. The existing canal is served by two 72" RCP pipes. The required capacity of the C-2 canal in the north direction or south direction are currently unknown. The capacity of the two 72" RCP pipes is conservatively estimated to equal 328 cfs (this is believed to be well over the actual required drainage capacity). Each station north and south are sized to be equal and equipped with its own electrical gear and generator. Pump Station will use an open intake from the canal. Discharge will utilize an inverted siphon under the depressed roadway section.

- Each Pump Station Capacity = 328 cfs = 147,226gpm
- Pump Station will utilize 5 axial flow pumps where each pump is sized for a quarter of the total capacity.
- Estimated horsepower is 250 hp each
- Approximate Generator Size = 1500 Kw (Conservatively sized for five pumps to operate. Use an indoor generator housed within a masonry building)

Depressed WB Alternative (237)

For this pump station the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, there does appear to be space on this alternative to use one. Below are the backup assumptions for determining the size.

Alternative 237 – (depressed ramp)

- Area of depressed roadway = 1.18 acres - 0.268 acres (bridge) = 0.91
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(0.91)(0.95)(9.25) = 8.0$ cfs
- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 8.0 cfs = 3,590 gpm
- Triplex Pump Station with each pump sized for half of the total capacity.
- Forcemain size from pump station to pond = 18" (4.5 fps) with a total length of 2700 ft.
- Approximate Pump Duty Point = 1800 gpm at 60 ft – Yields approximate horsepower of 40-45 hp
- Approximate Generator Size = 200 Kw (Conservatively sized for three pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

Depressed Eastbound Managed Lanes Alternative (242)

This particular alternative does not have sufficient space for the sound wall and the pump station and associated equipment. The pump station will fit within the right of way at the expense of eliminating the space for the sound wall. The wetwell extends beneath the sidewalk. For this pump station, the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders, it appears additional land will be required. Below are the backup assumptions for determining the size.

Alternative 242 – (Two eastbound lanes depressed)

- Area of depressed roadway = 3.70 acres - 0.19 acres (bridge) = 3.51
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(3.51)(0.95)(9.25) = 30.8$ cfs
- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 30.8 cfs = 13,843 gpm
- Triplex Pump Station with each pump sized for half of the total capacity.
- Forcemain size from pump station to pond = 36" (4.41 fps) with a total length of 3125 ft.
- Approximate Pump Duty Point = 7000 gpm at 52 ft – Yields approximate horsepower of 130-135 hp
- Approximate Generator Size = 450 Kw (Conservatively sized for three pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3 minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate)

Partially Depressed Alternative (245)

For this pump station the plan is to use a generator within a sound enclosure (with base fuel tank) and electrical equipment within a Nema 4X cabinets which are outdoor rated to eliminate the need for a building. If a building is desired by FDOT or stakeholders there does appear to be space on this alternative to use one. Below are the backup assumptions for determining the size.

Alternative 245 – (Optimized depressed section)

- Area of depressed roadway = 6.10 acres - 0.29 acres (bridge) = 5.81
- Weighted C = 0.95
- Rainfall Intensity = 9.25
- Flow = $(5.81)(0.95)(9.25) = 51.1$ cfs
- Worst Case Scenario is pumping to Pond Alternative 2
- Pump Station Capacity = 51.1 cfs = 22,917 gpm
- Quadplex Pump Station with each pump sized for a third of the total capacity.

- Forcemain size from pump station to pond = 48" (4.08 fps) with a total length of 3425 ft.
- Approximate Pump Duty Point = 7667 gpm at 54 ft – Yields approximate horsepower of 150 hp
- Approximate Generator Size = 750 Kw (Conservatively sized for four pumps to operate. Use an outdoor generator with a sound attenuated enclosure)
- Wetwell size to meet Flygt Pumps Minimum Design Recommendations (based on Hydraulic Institute)
- Wetwell volume is sized to provide 3 minutes of run time for one pump.
- To minimize wetwell size the influent drainage pipe will need to be sized to provide additional working volume within the pump operating level range (influent pipe will need to be larger and deeper than drainage flow alone would indicate).

Draft

Appendix H – COAT Recommendations

Draft

History of the COAT

In 2015, the Broward Metropolitan Planning Organization (MPO) created the Community Oversight Advisory Team (COAT). The COAT was tasked with obtaining consensus on a vision for the SW 10th Street corridor. The team was comprised of members from the surrounding community (businesses and homeowner representatives) as well as elected and appointed officials. The composition of the team consisted of:

- Nine members from the City of Deerfield Beach:
 - Four residents from communities adjacent to SW 10th Street;
 - Two business representatives; and
 - Three citywide representatives.
- Eight members from the SW 10th Street Study Area:
 - Two from the City of Coconut Creek;
 - Two from the City of Coral Springs;
 - Two from the City of Parkland; and
 - Two representing Broward County interests.

The COAT ultimately provided 18 recommendations and 15 sub-recommendations to the Broward MPO in 2016. The PD&E team has had numerous meetings with the COAT since the start of the PD&E Study, the meeting minutes for those meetings are included in the Comments and Coordination Report, available under separate cover.

The COAT recommendations and a summary of how each recommendation is being implemented or considered and a reference for where additional information on that topic can be found is included in the table below.

COAT Recommendations Table

Rec #	Recommendation	Disposition	Reference for More Information
1	Creatively determine if an engineering solution which is environmentally feasible can be provided to improve safety of SW 10 th Street and provide an efficient traffic solution between Sawgrass / Turnpike and I-95 while maintaining quality of life.	The project will have two roadway envelopes that address the safety and improve operations of the facility while maintaining the quality of life by including a lower posted speed on local SW 10 th Street and incorporating complete street elements including a shared use path, as well as landscaping and aesthetic treatments along the corridor.	PER Section 6
2	Improve safety while maximizing improvements to traffic flow of 10 th Street and roadway intersections and expressway interchanges.	The project includes a managed lane system which adds capacity to the corridor with a limited access connector road that will connect I-95 with the Sawgrass Expressway and Florida's Turnpike while also providing ingress and egress to the SW 10 th Street local lanes. This "connector road", which will not be tolled initially, will allow trucks to use the facility, thereby helping to maximize the reduction of congestion in the local SW 10 th street lanes. This congestion reduction will, in turn, reduce congestion related incidents as well as provide improved emergency response times. A 12-foot wide shared use path along the south side of local SW 10 th Street is also proposed.	Traffic conditions: PER Section 4.4.2
2.1	To include public safety accessibility		Intersection Design: PER Section 6.1.8 Safety Improvements: PTAR Section 7.2
3	Include near term solutions.	Near term solutions include signal timing improvements and other Transportation Systems	

Rec #	Recommendation	Disposition	Reference for More Information
		Management and Operations (TSM&O) type improvements.	
3.1	Signal timing improvements - current technology.	The signals have been optimized by Broward County Traffic Engineering (BCTE) along SW 10 th Street and are continually monitored. BCTE conducted a vehicle detection test in April 2019 to confirm traffic signal optimization is working correctly.	TSM&O: PER Sections 4.3 and 6.1.9 Additional Capacity: PER Sections 6.1.1 and 6.1.4
3.2	Adaptive Signal Technology.	Adaptive traffic signal technology does not improve the flow of traffic when the roadway is at, or over, capacity. Adaptive traffic signals alone does not provide a long-term solution. However, adaptive technologies will be built into the project and the latest technology utilized for the improvements. FDOT is also considering work-zone oriented applications that could provide benefits to the local system after construction as well.	
3.3	Additional Traffic Lanes	Additional travel lanes are not considered as a near-term solution, but the project includes four additional managed lanes (four-lane connector road).	
4	Include a below-grade expressway with at-grade local access roads.	The With Powerline Road Ramp Alternative includes a below-grade movement for the westbound managed lane exit ramp. The Without Powerline Road Ramp Alternative does not include any depressed features, but also does not include any elevated roadway in the middle of the corridor. Local roads will remain at-grade with both alternatives.	

Rec #	Recommendation	Disposition	Reference for More Information
4.1	Include extending below-grade expressway, west of westerly residential roadway connection to SW 10 th Street.	This has been determined to not be feasible due to the proximity to the Turnpike overpass and future planned improvements at the Turnpike and Sawgrass Expressway interchange. However, the overpass bridge at Waterways has been moved west, to minimize visual impact to the residential areas.	PER Sections: 6.1.2 and 6.1.4
4.2	Include extending below-grade expressway as close to Military Trail as possible, that would allow Military Trail intersection to remain at grade (No overpass of Military Trail over Expressway).	The Build Alternatives remains at-grade as close to Military Trail as possible per FDOT geometric design criteria. Military Trail will remain at-grade. The managed lanes are required to go over Military Trail due to the proximity of the railroad crossing.	
5	Minimize, and attempt to eliminate, use of above grade overpass where adjacent to residential areas.	Overpasses are being used only where absolutely unavoidable. The Preferred Alternative does include a managed lane overpass at Military Trail and Powerline Road, which transition to at-grade in the vicinity of residential areas. In order to keep the local roads at-grade and due to the proximity of the railroad, these overpasses are necessary. The overpass previously proposed at Waterways Boulevard was moved to the west to better comply with this recommendation.	
6	Improve access for local roadways and expressways west of I-95.	The project includes two facilities in one corridor: managed lanes on the north, and local SW 10 th Street on the south side. Locating SW 10 th Street on the south allows access to residential communities and	
6.1	Improve residential access to SW 10th and expressways from		

Rec #	Recommendation	Disposition	Reference for More Information
	Waterways, Independence Bay, Century Village, Waterford Homes, Waterford Courtyards, and the Renaissance (nursing home).	commercial centers to remain. There will also be median modifications that improve safety and traffic flow along local SW 10 th Street. Additional features will be provided to help enhance business access, such as an additional traffic signal along Powerline Road to facilitate a protected left-turn out of Quiet Waters Business Park and a roundabout at SW 12 th Avenue and Newport Center Drive to facilitate movements due to the proposed intersection reconfiguration at the Newport Center / SW 10 th Street intersection. Both of these features also enhance the commercial access to the managed lanes.	PER Section 6.1.7 and 6.1.8
6.2	Improve commercial access to SW 10 th and expressways for Newport Center, Publix Distribution, Palm Trails Plaza, SW 10 th Street strip mall, Industrial area along SW 30 th Street, Sawgrass Promenade.		
6.3	Improve Sawgrass Expressway and Turnpike connection to I-95.		
7	Encourage improved access to expressway and 10 th Street from local roads east of I-95.	The project provides ingress and egress access to local SW 10 th Street that will accommodate traffic coming from and going to locations along SW 10 th Street east of I-95.	PER Sections 4.4.2 and 6.1.7
8	Include generous table top intersections for local roads to improve pedestrian and bike connectivity north and south across SW 10 th Street.	Table top intersections were envisioned to improve pedestrian and bicycle connectivity. However, since the project utilizes a northern alignment, this connectivity is not needed in the form of table tops. The project includes crosswalks at all signalized intersections and a 12-foot wide shared use path along the south side of SW 10 th Street.	PER Section 6.1.5
9	Prepare Noise Study and identify mitigation needs required.	A Noise Study Report has been prepared and has identified mitigation requirements in the form of	

Rec #	Recommendation	Disposition	Reference for More Information
		noise walls where warranted adjacent to residential areas.	
9.1	Include noise walls (include at the beginning of construction).	The Noise Study Report prepared for the Build Alternatives indicates that noise walls are warranted in front of all residential areas on SW 10 th Street. Noise walls that are desired and identified to be constructed with the project, will be constructed as early in the construction project as possible (project commitment).	
9.2	Explore sound proofing for affected homes and businesses.	FDOT has worked closely with the Federal Highway Administration (FHWA) and the FDOT Office of Environmental Management to determine the potential for soundproofing windows and doors for residential properties. Based on this coordination and per the FHWA 23 CFR 772 regulation as well as State Statute 335.17, it has been determined that interior noise abatement may only be considered for qualifying public facilities (medical facilities, libraries, place of worship etc.) or nonprofit institutions. FDOT does not have authorization to provide noise abatement outside of the FDOT proposed right-of-way except for those facilities listed above if it is warranted.	Noise Analysis: NSR and PER Section 6.2.7 Project Commitments: PER Section 1.3
10	Accelerate SW 10 th Street PD&E scoping and consultant selection to catch up with:	The SW 10 th Street PD&E scoping and consultant selection were accelerated to align with the adjacent PD&E Studies.	

Rec #	Recommendation	Disposition	Reference for More Information
10.1	PD&E for the Sawgrass / 10 th Street interchange with Turnpike.	The SW 10 th Street PD&E project has been accelerated and is now anticipated to be completed prior to the Sawgrass / Turnpike interchange with SW 10 th Street PD&E Study. The acceleration of the SW 10 th Street project has allowed both teams to collaborate and refine roadway geometry on the west end of the SW 10 th Street project.	N/A
10.2	PD&E for the SW 10 th Street interchange with I-95.	SW 10 th Street PD&E and the I-95 interchange PD&E from SW 10 th Street to Hillsboro Boulevard project schedules are closely aligned to obtain Location Design Concept Acceptance (LDCA) within a short time frame of each other. The two studies had joint public alternatives meeting and are scheduled to have a joint public hearing.	
11	Create a Gateway to North Broward by maximizing landscaping along 10 th Street and north and south along adjacent connecting roadways, including landscape buffers and berms (by using native species).	The FDOT has created two stand-alone landscaping projects to occur after the construction of the SW 10 th Street Connector and the I-95 project. The FDOT will maintain trees, but if more robust landscaping is desired, then the FDOT is willing to construct it, but would require the City of Deerfield Beach to maintain. FDOT commits that landscaping and aesthetic treatments will be coordinated with the local communities and the City of Deerfield Beach during the final design phase. Aesthetic treatments and landscaping schemes will be in conformance with the City of Deerfield Beach guidelines.	Project Commitments: PER Section 1.3

Rec #	Recommendation	Disposition	Reference for More Information
11.1	Explore use of revenue generated by tolls for maintenance of landscaping and tabletop parks.	FDOT commits that the managed lanes will open and remain without tolling until performance and operations fall below acceptable levels. The project does not provide for tabletop parks. Any potential future tolling revenue will be allocated per FS 338.166.	
12	Minimize impacts to the environment including wetlands and air and water quality.	The project has been designed to minimize the natural, physical, cultural, and social impacts. The natural environment impacts have been documented in a Natural Resources Evaluation (NRE) Report. There are no wetland impacts associated with this project and minimal surface water impacts. FDOT commits to conducting updated bald eagle survey the nesting season prior to the start of construction and will coordinate the results with United States Fish and Wildlife Service (USFWS). The air quality has been assessed and documented in the Air Quality Technical Memorandum (AQTM). The addition of the managed lanes is anticipated to improve traffic flow along the corridor which will reduce greenhouse gas emissions. The water quality has been documented in the Water Quality Impact Evaluation (WQIE) as well as the Sole Source Aquifer (SSA) checklist that has been coordinated with the Environmental Protection Agency (EPA). No significant water quality impacts are anticipated. During design, permitting and construction this will be further addressed through	NRE, AQTM, and WQIE

Rec #	Recommendation	Disposition	Reference for More Information
		the use of best management practices and adherence to the standard specifications for roadway and bridge construction.	
13	Encourage mass transit and carpooling alternatives.	Broward County lacks a transit route along SW 10 th Street, but the City has a local bus route. FDOT will work with both entities to accommodate bus stops and other transit features to facilitate transit service.	PER Section 6.1.6
14	Protect Deerfield Beach's West Well Field.	The City of Deerfield Beach drinking wells are protected to a depth of approximately 90 feet and the actual well begins at approximately 170 feet below ground. Meetings have been held with the City, County and permitting agencies. Coordination with agencies will continue as project progresses. Temporary and permanent groundwater evaluations have been performed. Minor fluctuations to the ground water have no impact on the drinking water wells.	PER Appendix J
15	Maximize business signage visibility and include temporary signage for local businesses during construction.	The FDOT standards require business signing during construction. These details will be coordinated during the design phase. Access will be maintained to all businesses and communities during construction.	FDOT Design Standards
16	If tolling is planned for expressway, locate toll stations so as not to adversely affect local roadway network.	FDOT commits that the managed lanes will open and remain without tolling until performance and operations fall below acceptable levels. When the introduction of tolling could improve the declining	Project Commitments: PER Section 1.3

Rec #	Recommendation	Disposition	Reference for More Information
		performance levels, at such time the FDOT will notify the public and solicit feedback for any tolling that is proposed in the future. FDOT commits that any future tolling of the managed lanes will be electronic tolling that does not require vehicles to stop and pay a toll.	
17	Include alternate transportation routes during the construction phase to alleviate congestion once construction begins on SW 10 th Street and plans to alleviate congestion on Hillsboro Blvd., Sample Rd., Wiles Rd., and SW 18 th St.	Public outreach will be conducted to notify SW 10 th Street users of the construction and potential for traffic delays. Alternate routes will be encouraged and temporary improvements to traffic signal timing along alternate routes will be implemented. A conceptual Temporary Traffic Control Plan will be further developed during the design phase to identify any detour routes if needed.	Design Phase
17.1	Explore the potential to go under the railroad tracks at Hillsboro Blvd, to alleviate traffic during the construction phase and resolve issues on I-95.	The tunnel alternative was deemed infeasible and not advanced as part of the I-95 from SW 10 th Street to Hillsboro Boulevard Interchange PD&E Study.	I-95 PD&E (FM # 436964-1) PER
18	Install utilities underground.	Utility coordination is being performed as a part of this PD&E study. City utilities will be relocated at no cost to the City of Deerfield Beach. Florida Power and Light (FP&L) has indicated that their transmission lines, if relocated, must remain above ground. Most other utilities will remain buried or attached to the FP&L poles.	Utility Assessment Report

Appendix I – Groundwater Technical Memorandum



MEMORANDUM

To: Chris Jackson, PE, LEED AP
RS&H, Inc.

Phil Schwab, PE
RS&H, Inc.

From: Jason C. Sheasley, PG

Date: September 13, 2019

RE: **Public Water Supply Wells Considerations**
FPID No. 439891-1-22-02
SW 10th Street Connector PD&E Study
Broward County, Florida

Kimley-Horn and Associates, Inc. (Kimley-Horn) has reviewed the SW 10th Street Connector Project Development & Environmental (PD&E) Study Preferred Alternative plans which propose to depress a section of SW 10th Street adjacent to existing public water supply wells maintained by the City of Deerfield Beach. Based on our review of the plans and Deerfield Beach well field data we do not anticipate any adverse impacts to the existing public water supply wells.

BACKGROUND

The depressed roadway will be constructed in cells; each approximately 100-feet long and 40-feet deep. Sheet piling will be installed along the perimeter of each cell to facilitate excavation and construction. The sheet pile will be constructed to depths ranging from 40 to 60 feet below land surface (bls). Furthermore, the sheet pile walls will be sealed using grout to preclude ground water infiltration into the excavation. As excavation and construction proceeds, the area inside each cell will be dewatered. Water-proofing will be installed in each cell prior to the construction of a concrete slab and concrete retaining walls. Each cell and the corresponding depressed roadway will be constructed in such a manner that permanent dewatering will not be necessary.

The City of Deerfield Beach maintains three public water supply wells (WW-22, WW-23 and FA-2) along the southern side of SW 10th Street (**Figure 1**). Wells WW-22 and WW-23 are constructed into the Biscayne Aquifer whereas FA-2 is constructed into the upper Floridan aquifer. The construction information for the three wells is presented below in **Table 1**.

TABLE 1
DEERFIELD BEACH WELL CONSTRUCTION DETAILS

Well No.	Diameter (inches)	Total Depth (feet, bls)	Casing Depth (feet, bls)	Pump Capacity (gallons/minute)
WW-22	14	170	105	2,800
WW-23	14	200	105	2,800
FA-2	12	1,030	915	3,000

**FIGURE 1
DEERFIELD BEACH WELL LOCATIONS**



HYDROGEOLOGY

There are two principal aquifer systems in northern Broward County; the surficial aquifer and the Floridan aquifer. According to Fish (1987), the surficial aquifer system is comprised of all materials from the top of the water table to the top of the intermediate confining unit. The intermediate confining unit is a thick sequence of low permeability sediments that separates the surficial aquifer from the underlying Floridan aquifer. The Floridan aquifer includes a thick sequence of highly permeable limestone and carbonate rocks. It is divided into the upper Floridan aquifer, middle confining or semi-confining unit and lower Floridan aquifer.

In the vicinity of SW 10th Street, the base of the surficial aquifer occurs at an altitude of approximately -320 feet below sea level. The bottom of the intermediate confining unit and the top of the Floridan aquifer occurs at approximately -1,000 feet below sea level.

The permeability of the sediments within the surficial aquifer system are highly variable. The system may be divided locally into one or more water bearing units separated by units of lower permeability. The most prominent water-bearing unit within the surficial aquifer system is known as the Biscayne

aquifer. It is comprised of sand, limestone and shelly limestone and is highly transmissive (150,000 to 300,000 feet²/day). For this reason, the Biscayne aquifer serves as the principal source of drinking water for several communities in south Florida, including Deerfield Beach.

The intermediate confining unit, which separates the surficial aquifer system from the Floridan aquifer is comprised chiefly of interbedded sand, silt and clay with mudstone, claystone, and dolomite. These lithologic units have very low permeabilities and have limited capacities for transmitting water. Furthermore, the low permeability of the intermediate confining unit precludes the movement of water between the overlying surficial aquifer system and the underlying Floridan aquifer. In the vicinity of the SW 10th Street, the low permeability units of the intermediate confining unit are more than 700 feet thick.

The Floridan aquifer is comprised of highly permeable limestone, dolomite, and dolomitic limestone. Historically, the Floridan aquifer has not been used as a source of drinking water in south Florida due to elevated chloride concentrations. However, in recent years the Floridan aquifer in south Florida has been used as an alternative water supply due to increased demands. The upper Floridan aquifer is highly transmissive. The transmissivity of the aquifer ranges from 20,000 to 29,000 feet²/day in the vicinity of SW 10th Street.

Based on the geotechnical data from the proposed depressed roadway section and lithologic logs for the City of Deerfield Beach wellfields unconsolidated sand, silt and shell hash is present to a depth of approximately 40 to 50 feet bls in the vicinity of SW 10th Street. Between 50 to 100 feet bls an alternating sequence of limestone, sand and sandstone is present. Below 100 feet bls, alternating sequences of limestone, sandstone, phosphatic sands, and shell hash are present to a depth of approximately 320 feet bls.

DISCUSSION

Kimley-Horn has considered both the short-term and long-term effects of the depressed roadway section on the nearby public water supply wells and presents the following discussion.

Construction Dewatering

We anticipate that there will be little to no effect on the nearby public water supply wells as a result of the proposed construction dewatering activities. This is based on the following:

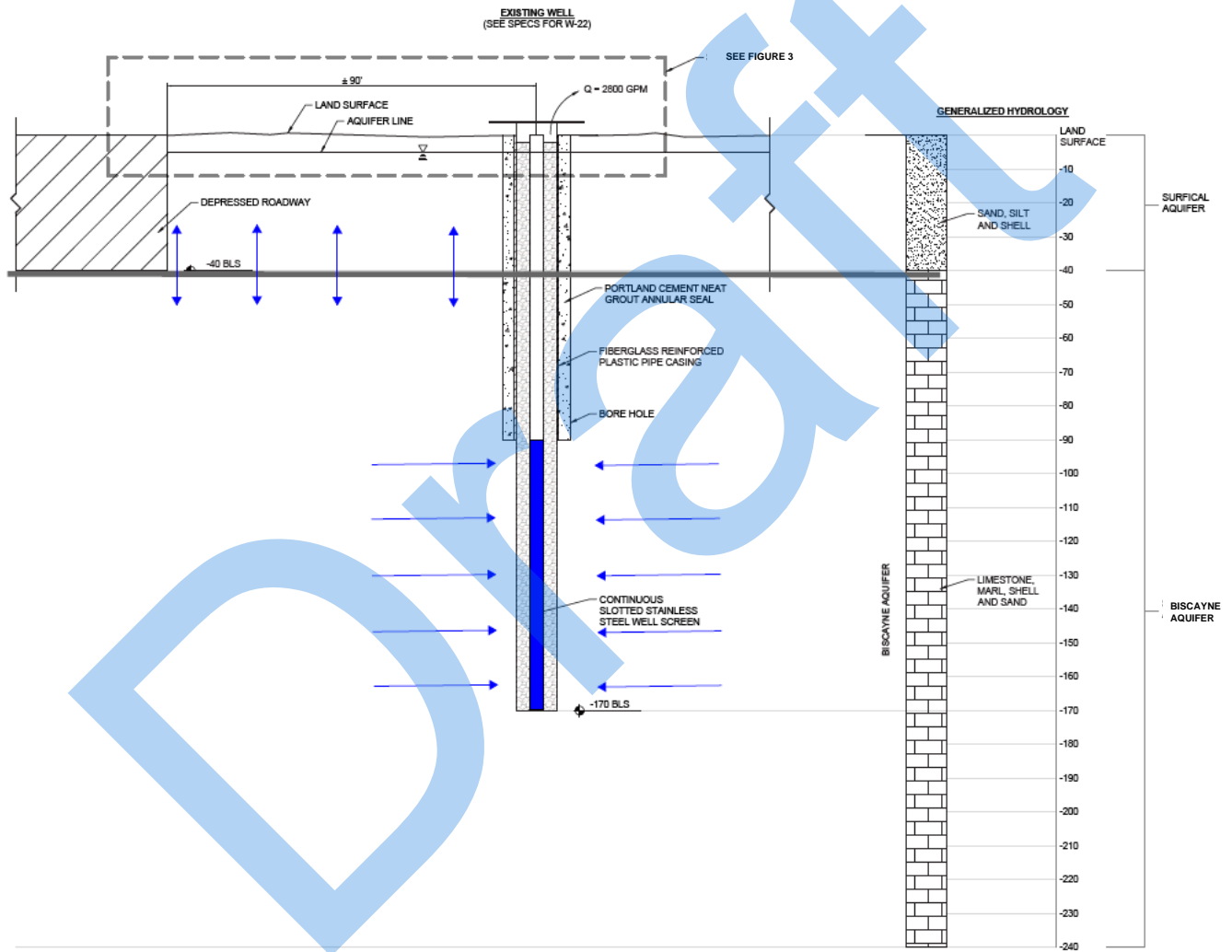
1. The proposed construction dewatering will occur inside of sheet piled cells. The sheet piling and tremie seal will isolate the individual cells from the surrounding subsurface area and prevent the infiltration of ground water into the excavation. Conversely, the sheet piling and tremie seal will preclude drawdown of the water table outside of the excavation area. Thus, the area inside the cells may be pumped dry to facilitate excavation and construction of the depressed roadway section.

The South Florida Water Management District (SFWMD) considers the use of sheet pile as an effective physical barrier to prevent drawdown of the water table due to short-term construction dewatering activities.

2. The total depths of the two Biscayne aquifer wells WW-22 and WW-23 are 170 and 200 feet bls, respectively. The wells are cased to approximately 105 feet bls. The depressed roadway

will be constructed to a depth of approximately 40 feet bls. Thus, the excavation activities will not intersect the water-bearing zone for the two production wells (**Figure 2**).

**FIGURE 2
DEPRESSED ROADWAY AND PUBLIC WATER SUPPLY WELL
CROSS-SECTION**



- It is estimated that it will take approximately two months to complete each cell. Thus, the duration of dewatering will be short-term. When permitting short-term construction dewatering permits, the SFWMD does not require the corresponding impact analysis to include nearby water wells due to the limited duration at which potential impacts could occur.

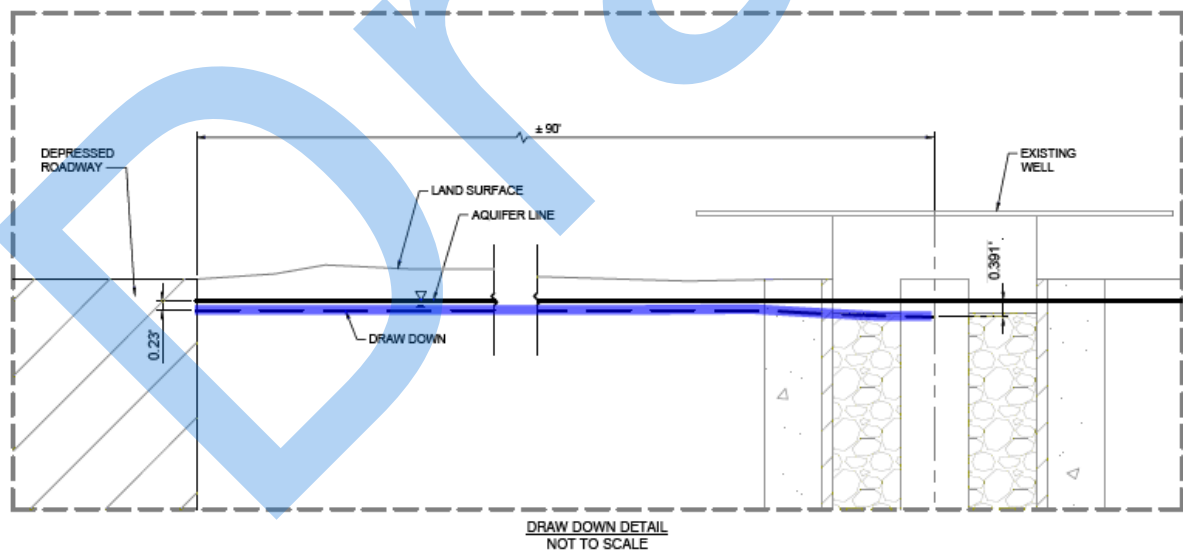
4. With regards to the nearby Floridan aquifer well FA-2, the intermediate confining unit between the surficial aquifer and underlying Floridan aquifer will preclude any hydraulic influence on the well.

Post-Construction Long-Term Effects

Kimley-Horn does not anticipate any long-term effects on the nearby public supply wells as a result of the depressed roadway section. This is based on the following:

1. The primary production zone for the two Biscayne aquifer wells (WW-22 and WW-23) is between approximately 100 to 200 feet bls, which is 60 to 160 feet below the base of the depressed roadway section. As such, the completed depressed roadway will not physically interfere with the production zone of the well.
2. The Biscayne aquifer is highly transmissive in the vicinity of SW 10th Street. Ground water modeling performed by CDM Smith for the City of Deerfield Beach's Water Use Permit demonstrated that the depressed roadway is within the 0.1-foot drawdown contour for WW-22 and WW-23 (**Figure 3**). The limited amount of drawdown predicted to occur in the surficial aquifer suggests that the depressed roadway will have little to no effect on the two wells.

**FIGURE 3
DRAWDOWN CROSS-SECTION**



3. The depressed roadway section and wells WW-22 and WW-23 are located within the Northern Broward County Recharge System (NBCRS). The system is a diversion and impoundment project consisting of several canals that capture rainfall and runoff to maintain water levels in the surficial aquifer and recharge wetlands. The NBCRS will regionally maintain water levels in the surficial aquifer including within the areas of WW-22, WW-23 and the depressed roadway.

Furthermore, the two wells are located immediately adjacent to the C-2 canal, which maximize the amount of recharge to the aquifer.

4. Construction of the depressed roadway will include the use of sealed sheet piling and tremie seals. These controls will effectively seal each construction cell and preclude depressed roadway from acting as a conduit for the introduction and downward migration of contaminants into the aquifer.
5. Regarding the nearby Floridan aquifer well FA-2, the intermediate confining unit between the surficial aquifer and underlying Floridan aquifer will preclude any hydraulic influence on the well.