

Village of Estero Council Workshop for

# **WILLIAMS RD./ ATLANTIC GULF BLVD.**

Intersection Improvements

EC2020-61

October 27, 2021



**KCA**  
KISINGER CAMPO  
& ASSOCIATES



# OBJECTIVE

The goal of this project is to improve the existing operational and safety problems along Williams Road from the Life Care Center entrance/exit to US 41.





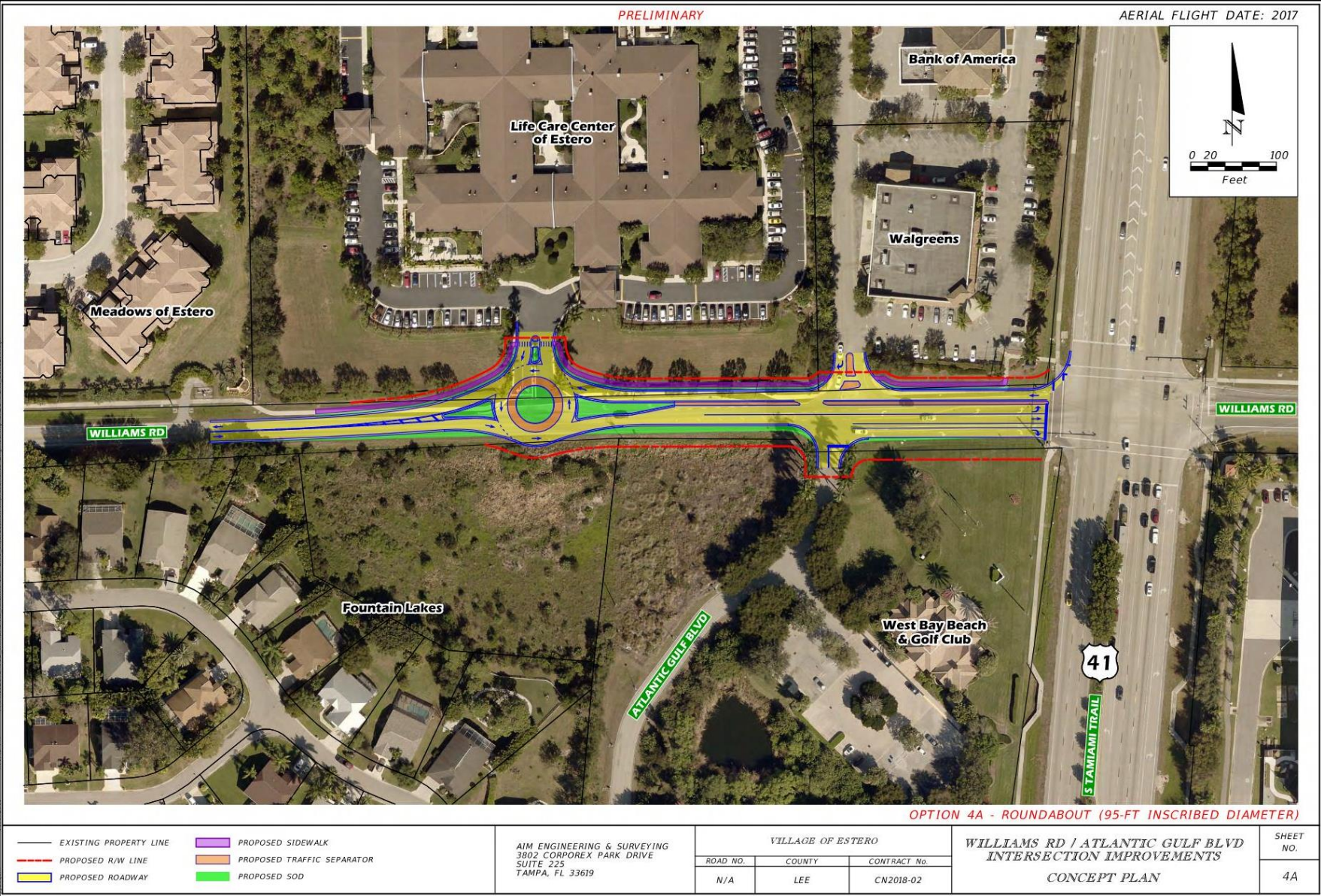
# DISCUSSION TOPICS

- **Concept Plan from Previous Study**
- **Technical Traffic Memorandum**
- **Current Concept Plan**
  - Enhancements
  - Plan View
  - Plan View Comparison
  - Cross Section Views
  - Right-of-Way Impact Comparison
  - Northwest Corner Impacts
  - Landscape Concept Plan





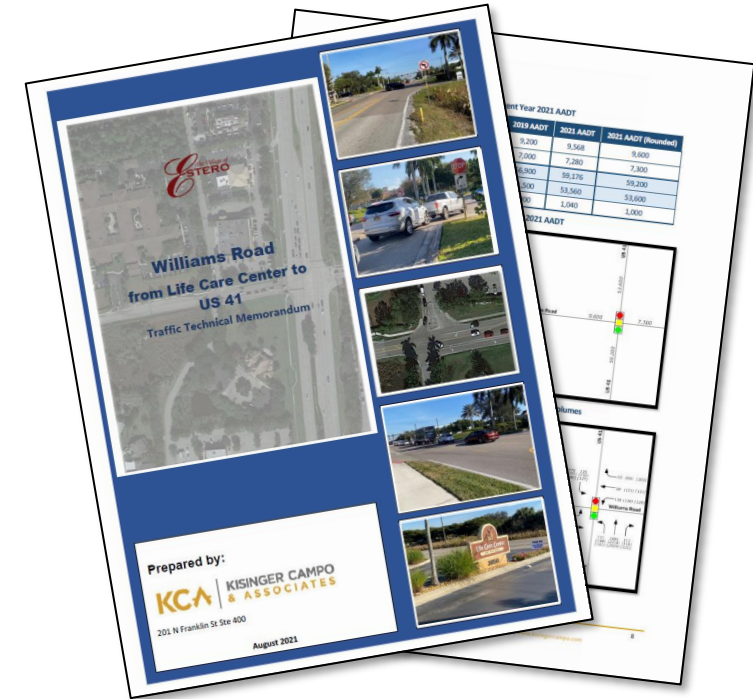
# CONCEPT PLAN FROM PREVIOUS STUDY





# TECHNICAL TRAFIC MEMORANDUM

- **Single Lane Roundabout**
  - Will operate at an acceptable level of service in 2045
  - Best option to improve delay and safety concerns
  - Designated location for U-turn movements
- **Williams Rd. Turn Lanes\***
  - Extend eastbound left turn lane to 495'
  - Extend eastbound right turn lane to 345'
  - Will reduce eastbound delays at US 41
- **Safety**
  - Full median closure to prevent crossing movements at side streets



\*Additional Recommendation: Add dedicated westbound right turn lane east of US 41 (outside project limits)

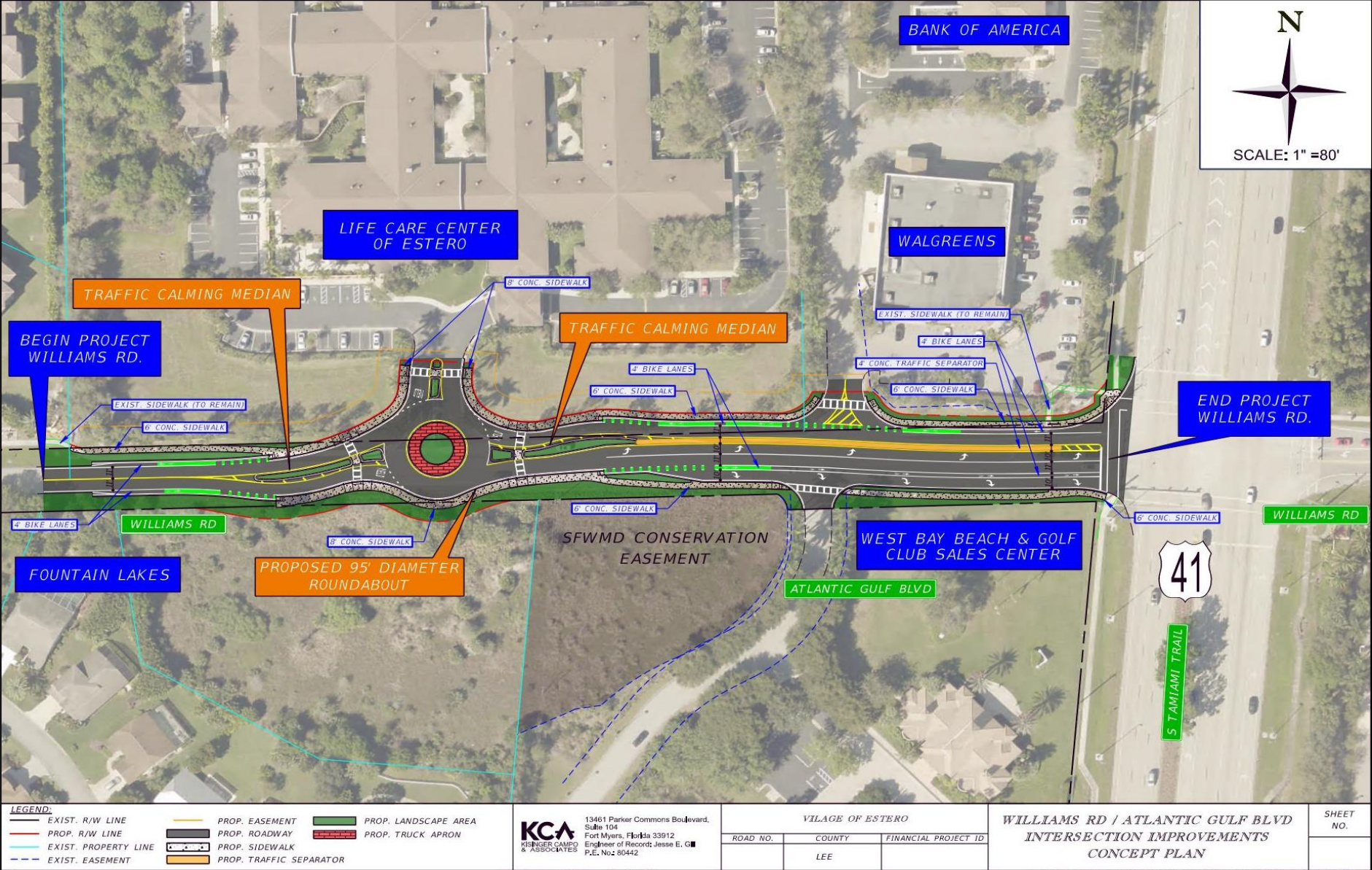
# ENHANCEMENTS

- **Extended eastbound left turn, right turn and thru Lanes**
- **Bicycle Lanes**
  - Green Pavement at transitions – Added Safety/Aesthetics
- **Sidewalk along both sides of Williams Rd**
- **Traffic Calming Chicanes**
- **High Emphasis Crosswalks**
  - East & West of Roundabout
- **Traffic Separator (Intersection Safety)**
- **Landscape**
- **Decorative Lighting**



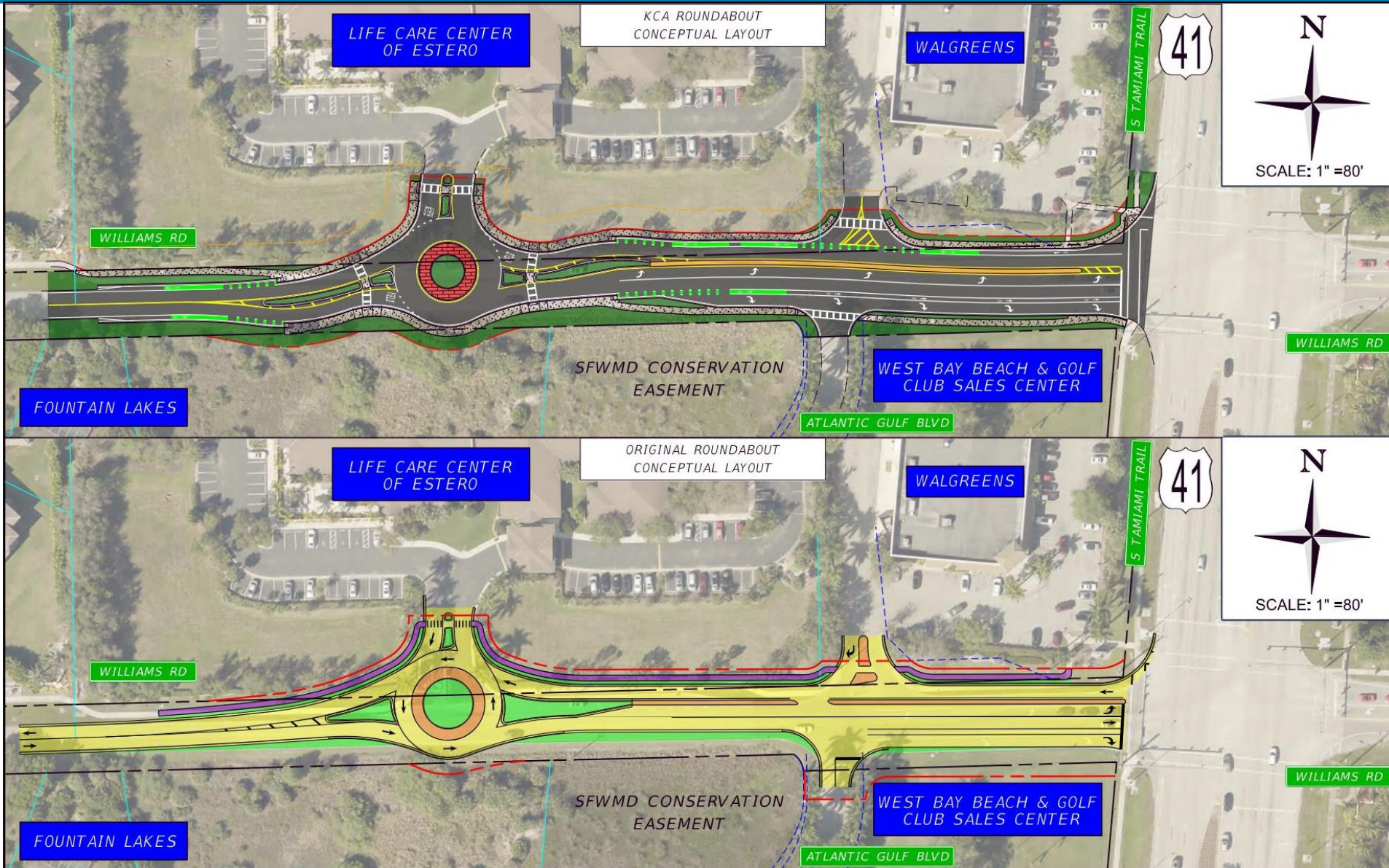


# KCA CONCEPT PLAN



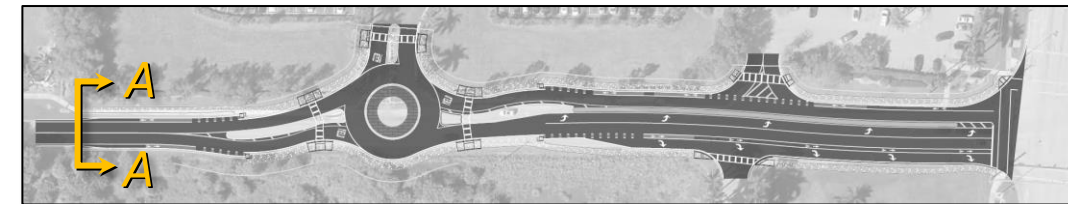
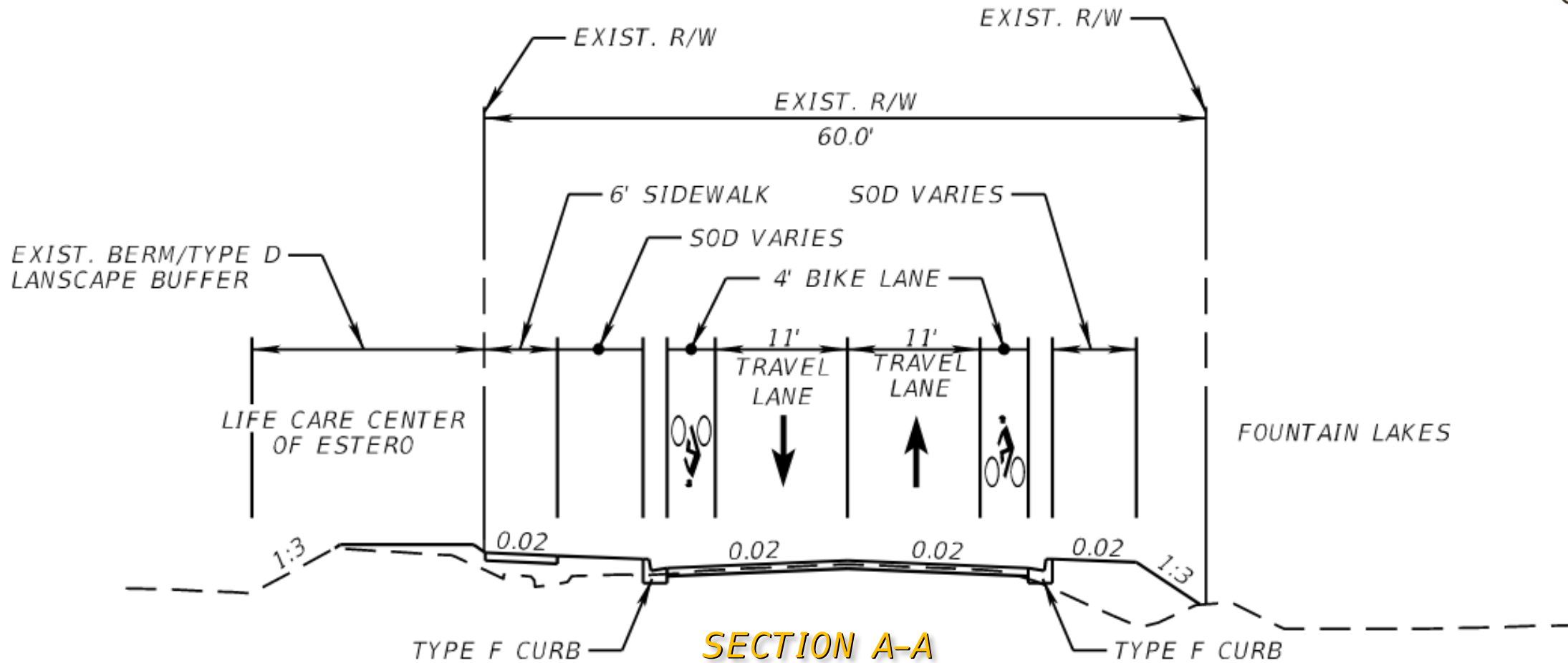


# CONCEPT COMPARISON



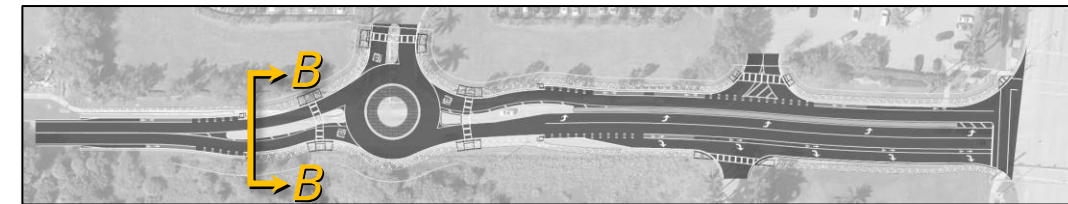
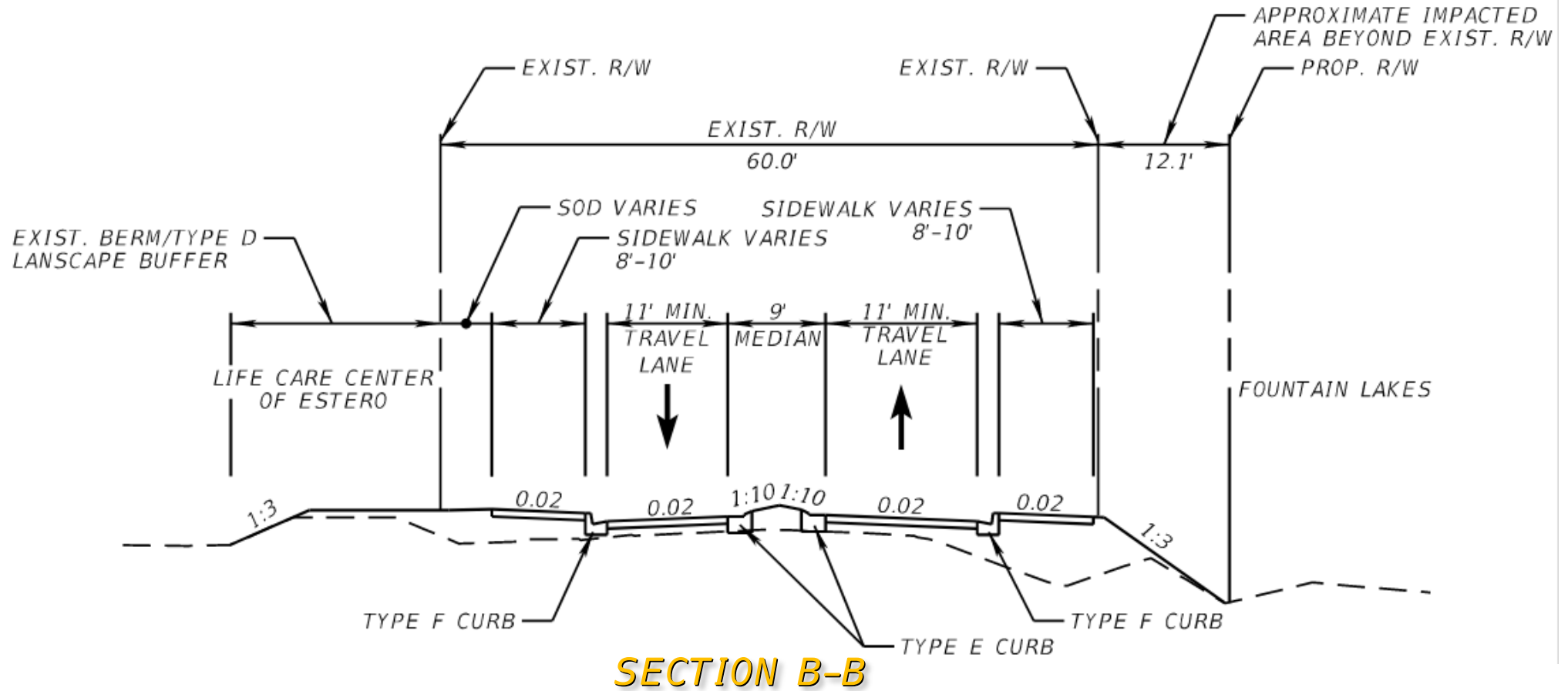


# CROSS SECTIONS



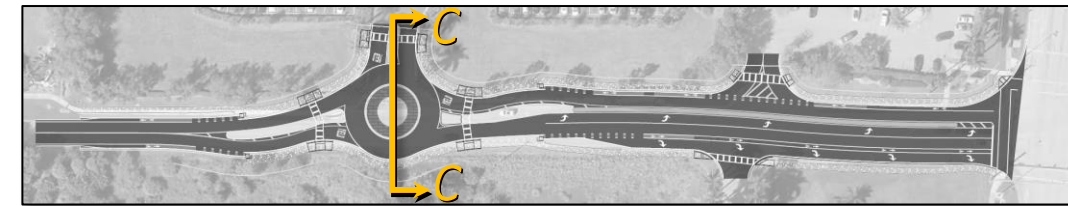
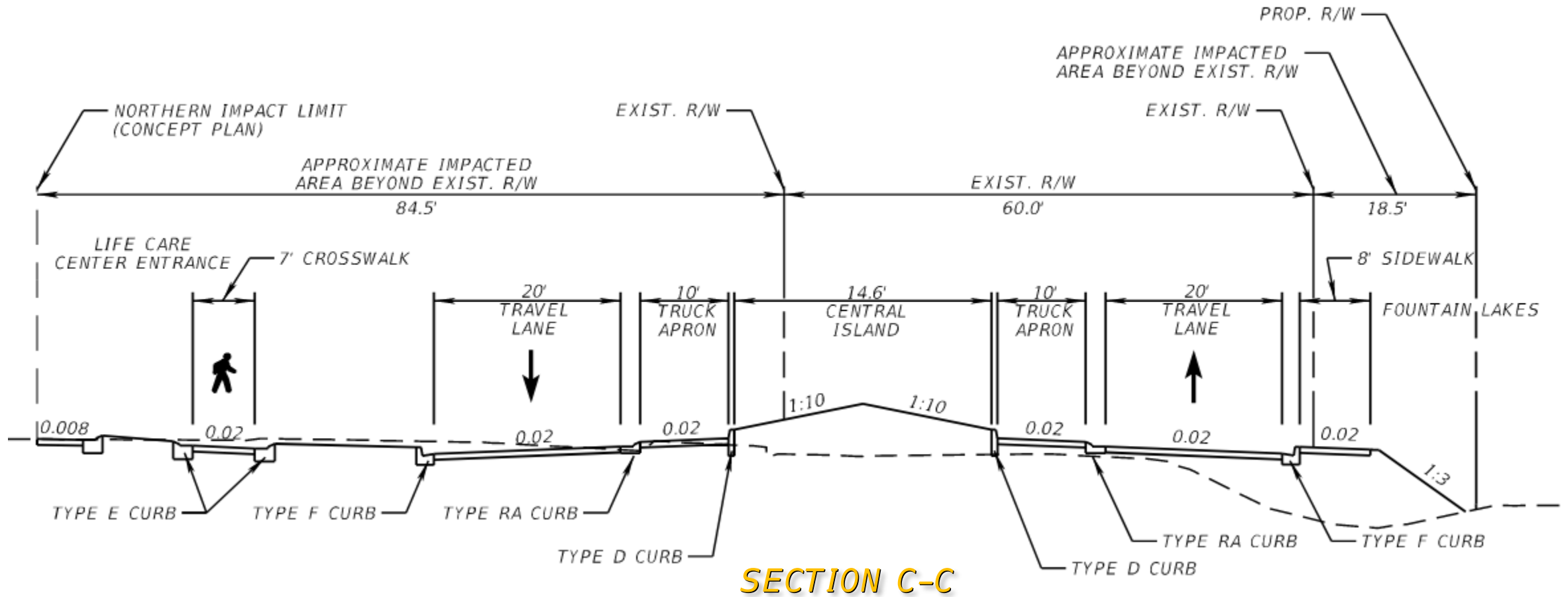


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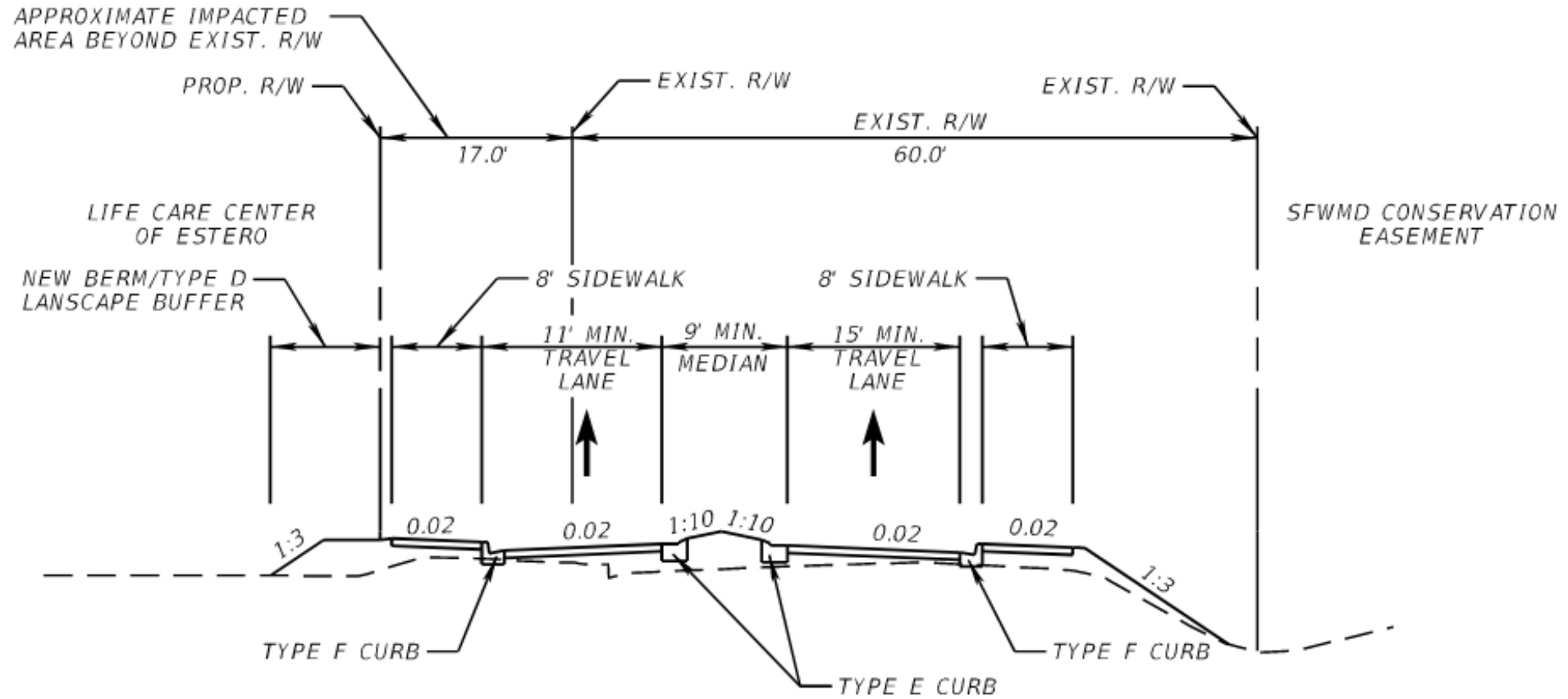


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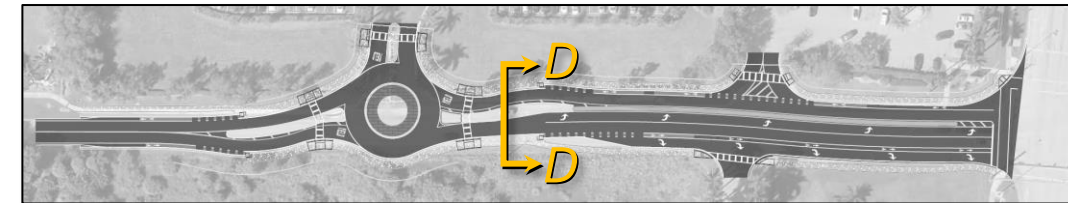




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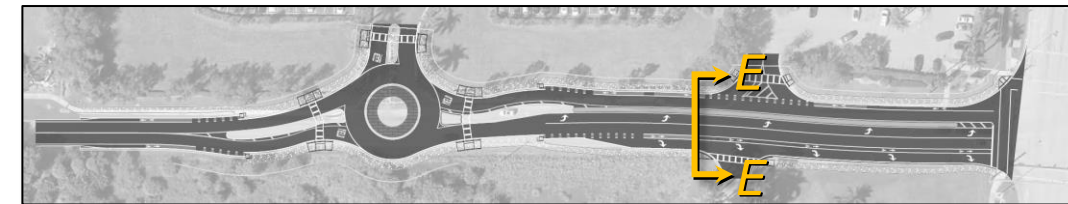
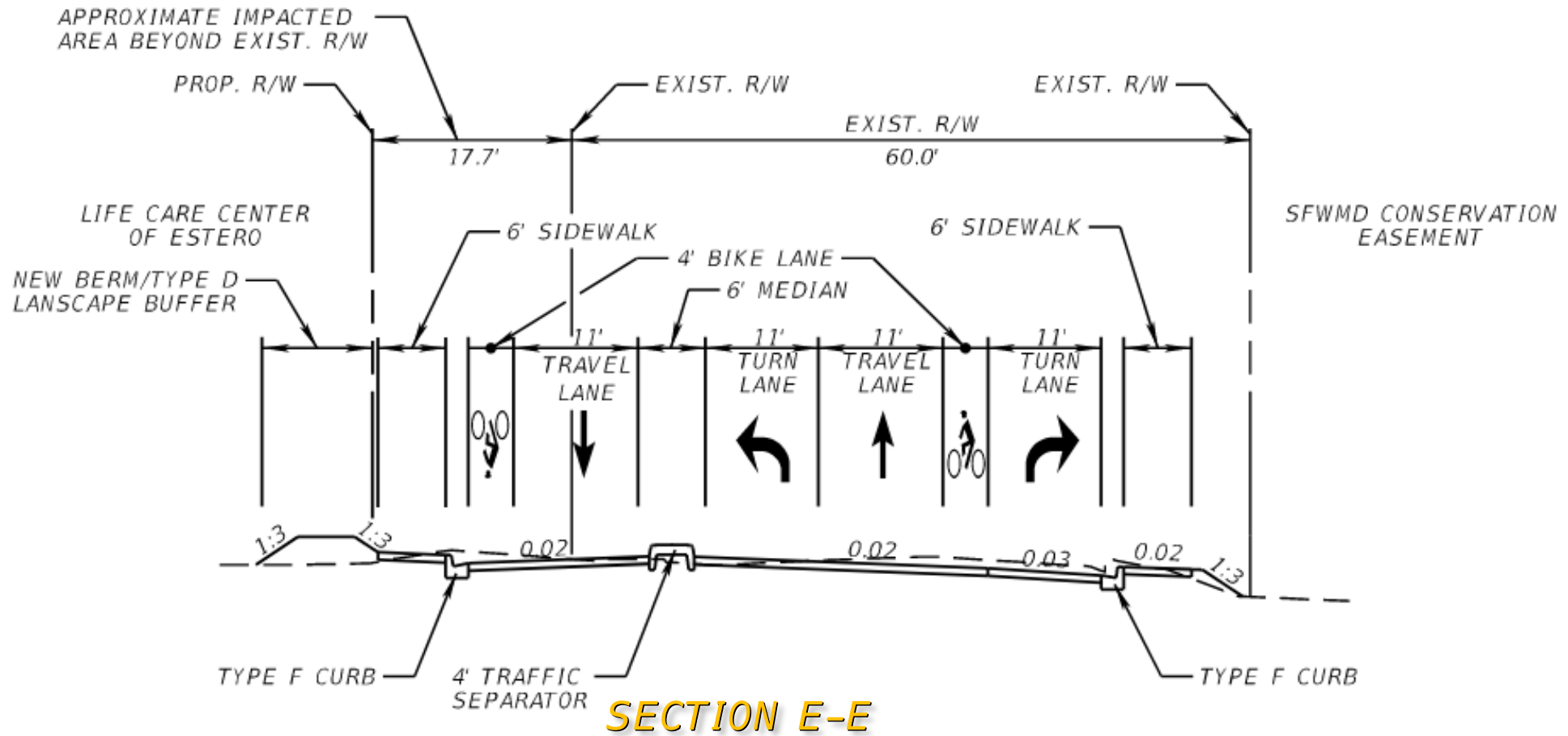


SECTION D-D



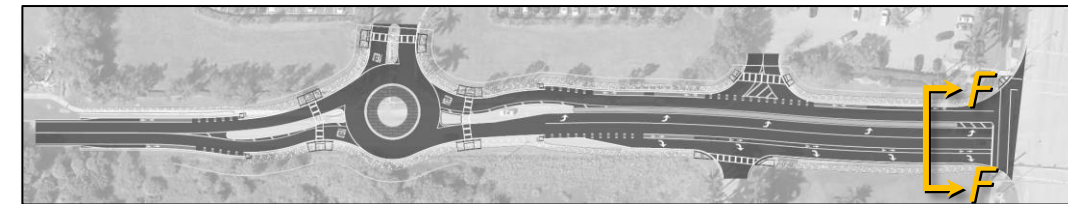
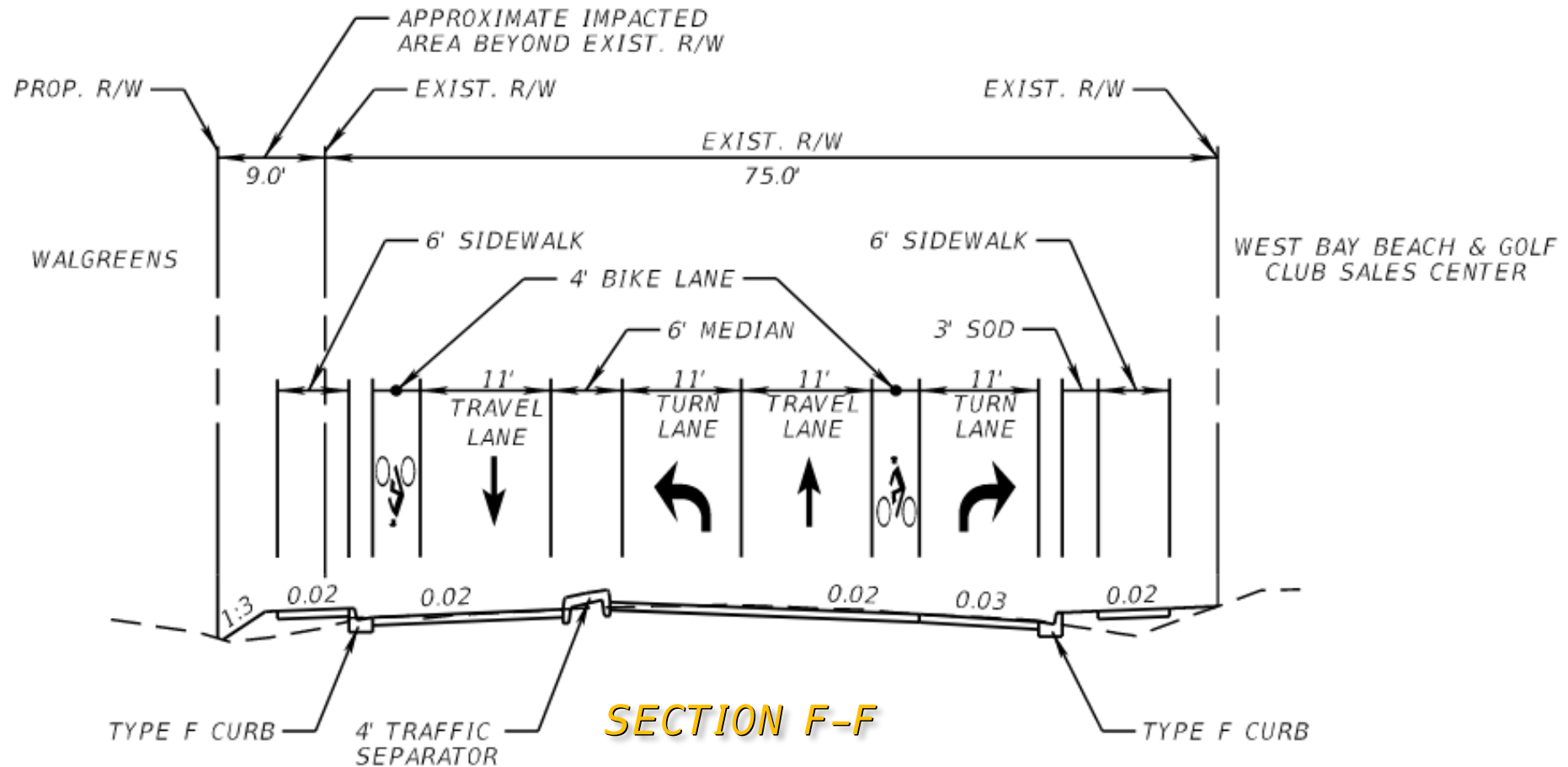


# CROSS SECTIONS





# CROSS SECTIONS





## TOTAL ESTIMATED R/W IMPACTS COMPARISON

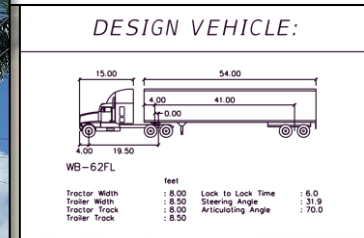
	PRELIMINARY STUDY - 4A (ACRES)	KCA CONCEPT PLAN (ACRES)
LIFE CARE CENTER OF ESTERO	0.312	0.290
FOUNTAIN LAKES	0.012	0.054
WALGREENS	0.085	0.112
WEST BAY SALES CENTER	0.083	-
CONSERVATION AREA	-	-
<b>TOTAL (ACRES)</b>	<b>0.492</b>	<b>0.456</b>



# NW CORNER IMPACTS

DESCRIPTION	COST
MOT/MOB (20%)	\$9,500
ROADWAY	\$23,200
DRAINAGE	\$13,000
SIGNING & PAVEMENT MARKINGS	\$1,000
PEDESTRIAN SIGNAL (REMOVE/REPLACE)	\$4,000
LCDOT PULL BOXES (REMOVE/REPLACE)	\$3,100
FDOT LIGHT POLE (RELOCATE)	\$3,200
SUBTOTAL	\$57,000
CONTINGENCY	\$11,400
<b>TOTAL</b>	<b>\$68,300</b>
FPL POWER POLE RELOCATION(S)*	TBD
R/W AQUISITION	TBD

\*PENDING COMPENSABILITY RIGHTS





# LANDSCAPE CONCEPT PLAN

