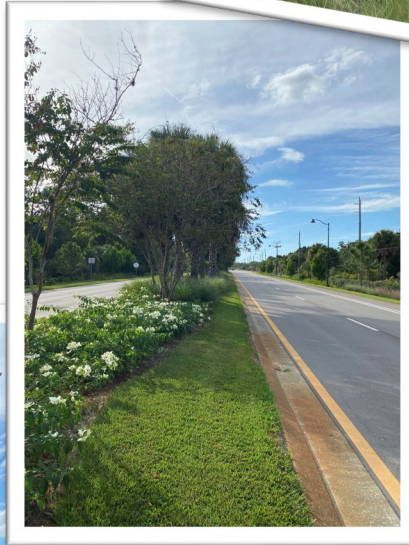


# JOHNSON ENGINEERING

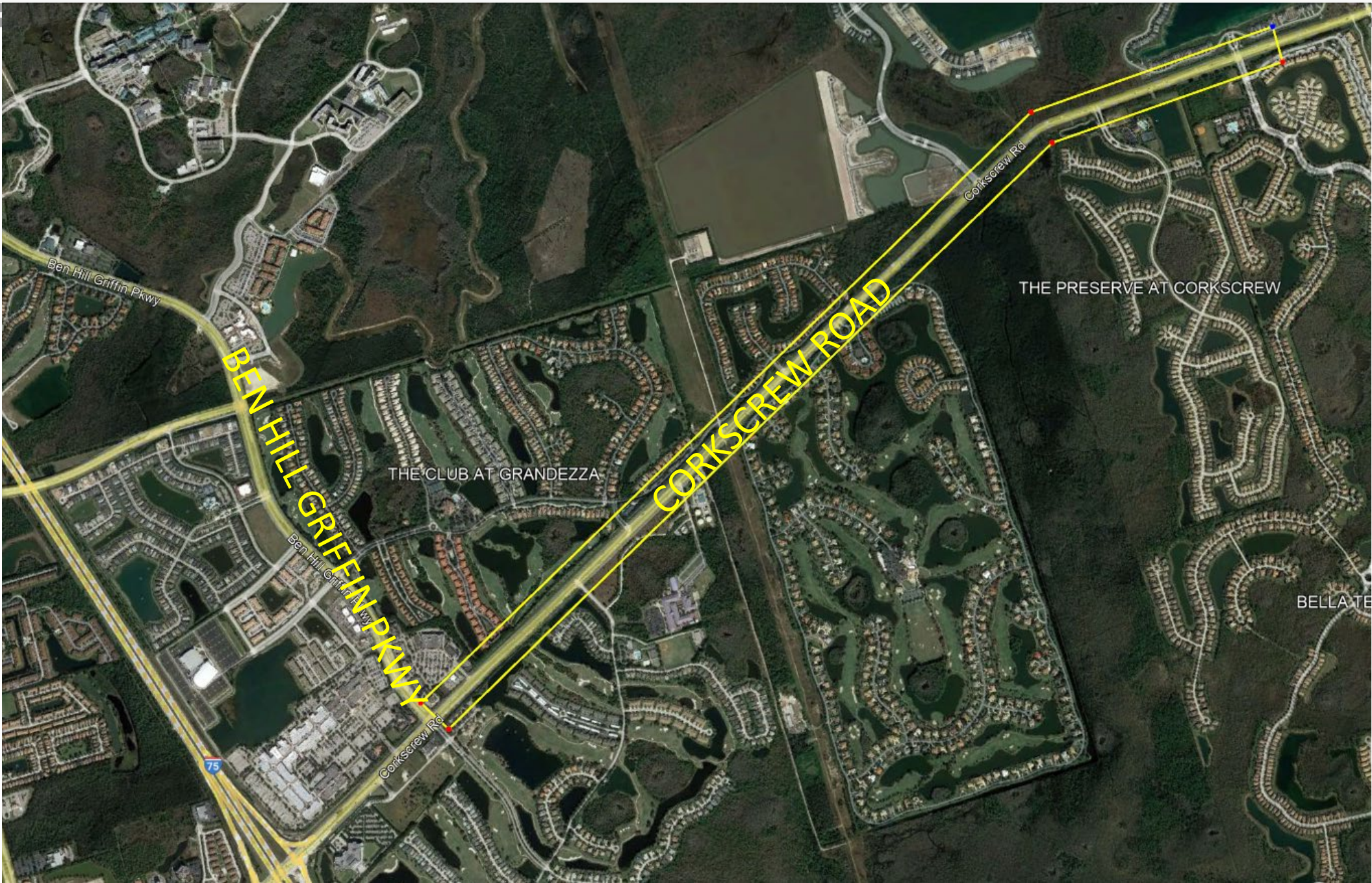
## CORKSCREW ROAD

Landscape & Irrigation Site Analysis &  
Conceptual Planting Design

2.85 miles from Ben Hill Griffin  
Parkway to Bella Terra Boulevard  
for

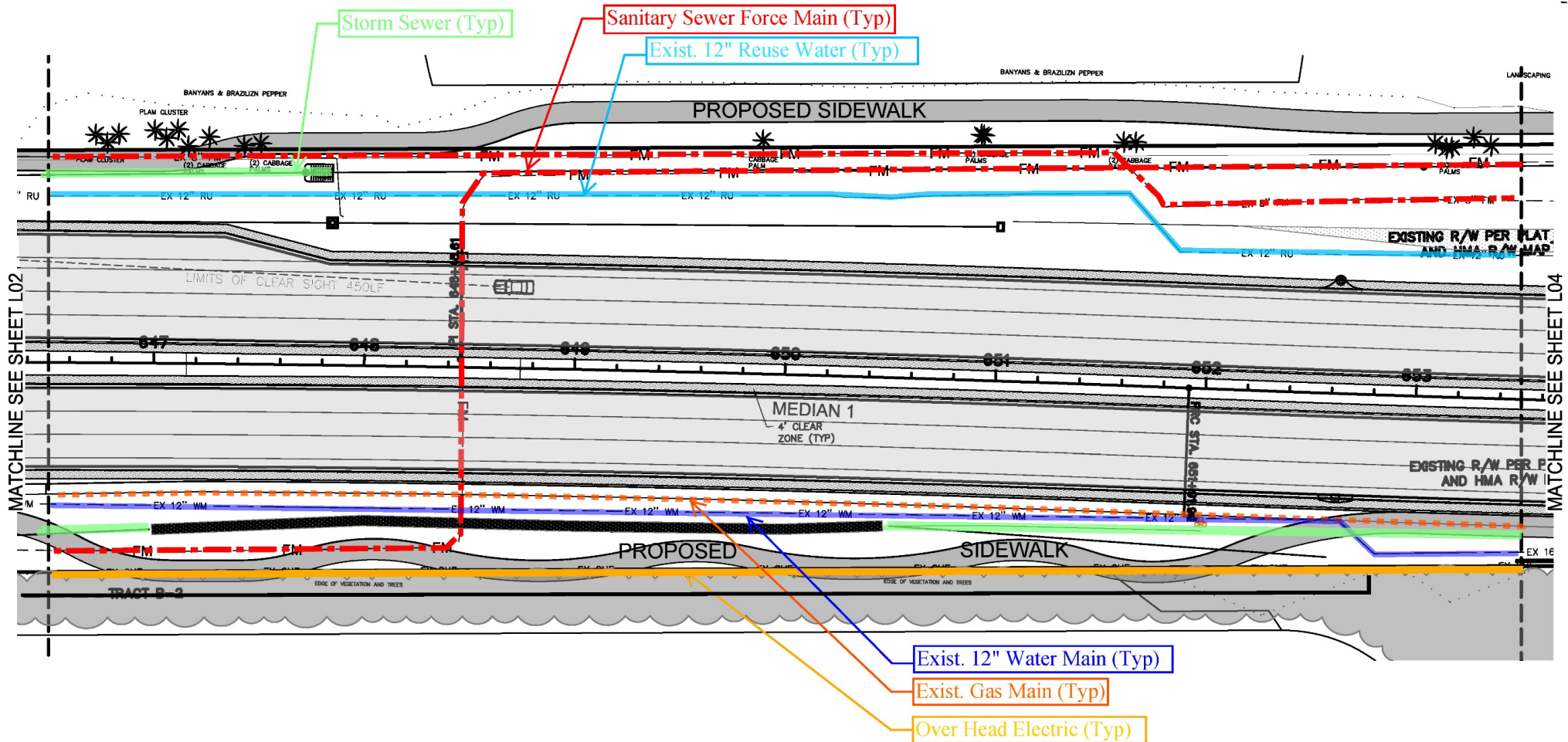


# PROJECT SCOPE

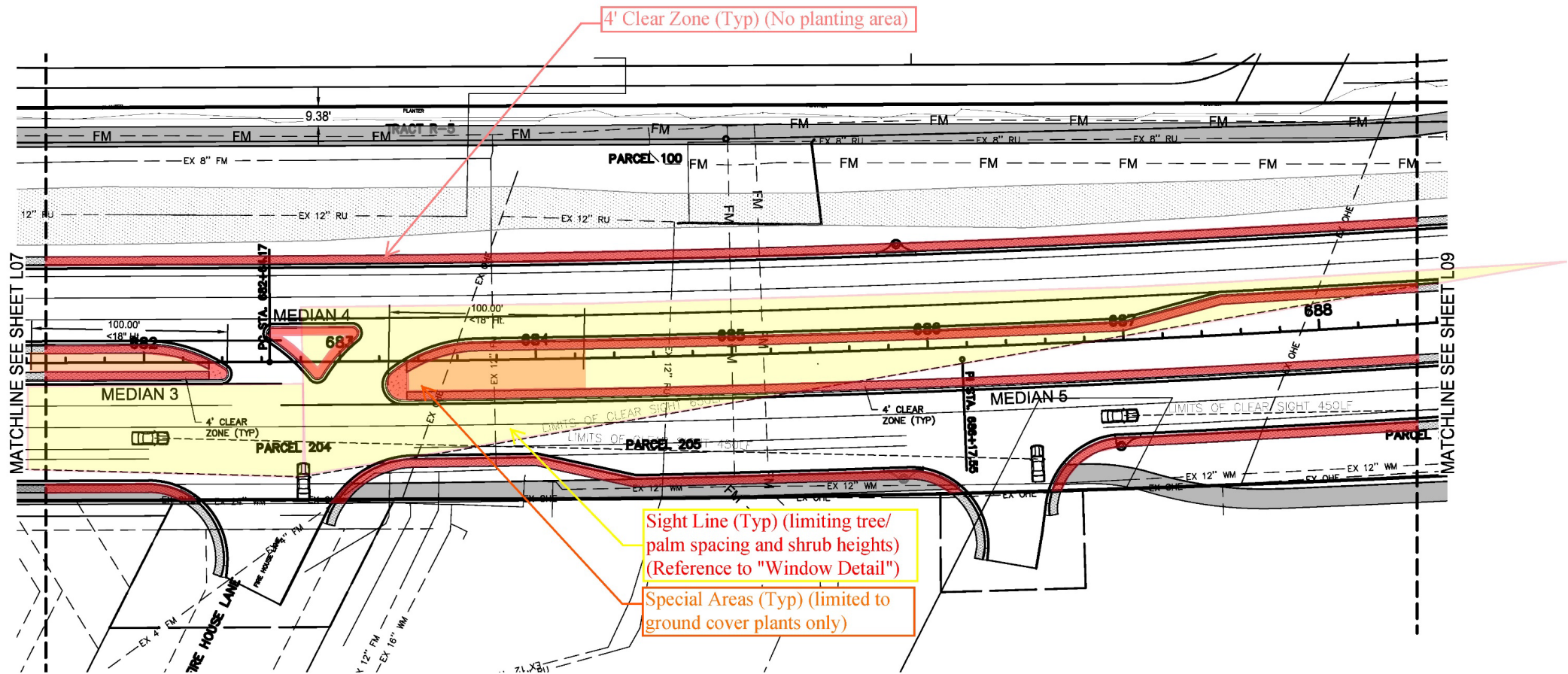


# EXISTING UTILITIES THAT PREVENT PLANTING LARGE TREES/PALMS

Per Lee County Utilities (LCU) “the root balls of palm trees shall be a minimum of five (5) feet and the root balls of shade trees shall be a minimum of ten (10) feet from any existing or proposed LCU owned and maintained pipe/infrastructure.”

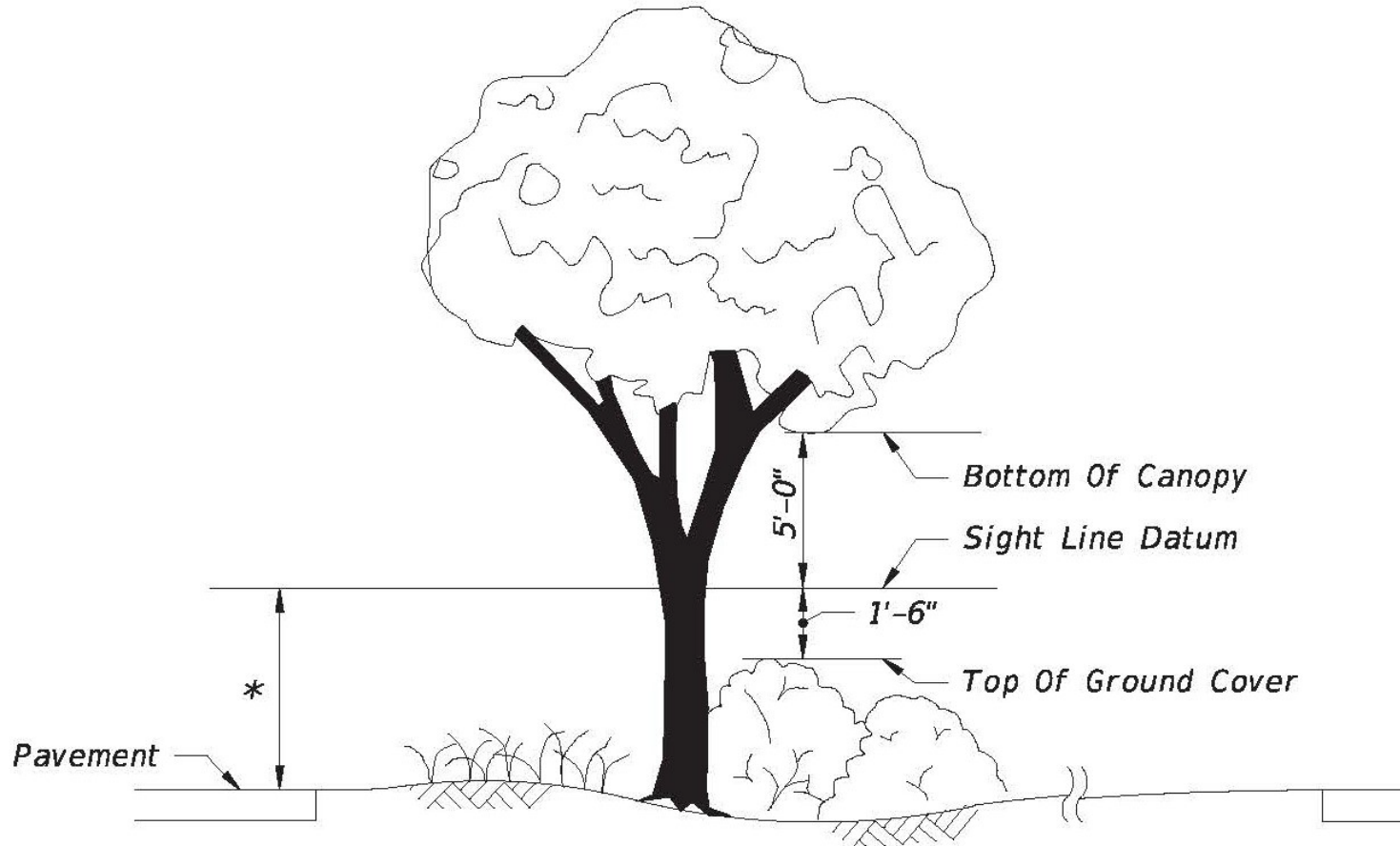


# FDOT SIGHT LINES AND CLEAR ZONES RESTRICTING PROPOSED PLANTINGS



# FDOT "WINDOW DETAIL"

Figure 212.11.2 Window Detail



\* Since observations are made in both directions, the line of sight datum between roadways is 3.5 feet above both pavements.

# FDOT SIGHT LINE RESTRICTIONS

**Table 212.11.3 Minimum Tree Spacing**

Design Speed (mph)	Minimum Tree Spacing (Center-to-Center of Trunk) (feet)	
	4" < Tree Diameter ≤ 11"	11" < Tree Diameter ≤ 18"
25-30	25	90
35	30	105
40	35	120
45	40	135
50	50	150
55	55	165
60	60	180

# EXISTING VIEW OF ROAD – WEST END LOOKING EAST



# EXISTING VIEW OF ROAD – EAST END LOOKING WEST





EXISTING VIEW OF ROAD – EAST OF FIRE HOUSE LANE LOOKING WEST



# SUMMATION OF ANALYSIS

Underground Utilities Will Significantly Limit Tree and Palm Placement in the Outside Edge of Pavement Area

FDOT Sight Lines, Clear Zones, and Special Areas Within the Medians will Limit Plant Placement Size Restrictions

Maintain Existing Landscaping of Existing Developments Where Possible and Transition Into Proposed Landscaping

Maintain Existing Landscaping Irrigation and Construct New Separate Irrigation System for Proposed Landscaping

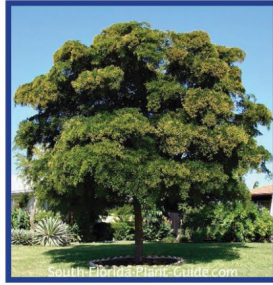
Proposed Landscaping Shall Consist of Native and Florida Friendly Plant Selections, Provide Cultural Consistency (USDA Temp Zone 10), and Limit Pruning

# CANOPY TREES



Bald Cypress (N, FF)

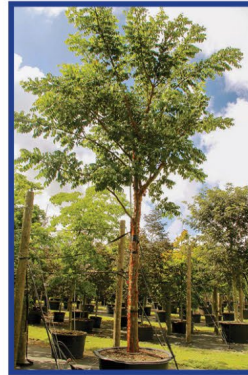
Shady Lady Black Olive (NN, FF) ●



Florida Red Maple (N, FF) ●



Gumbo Limbo (N, FF) ●



Southern Live Oak (N, FF) ●



Wax Myrtle Tee (N, FF) ●



Dahoon Holly (N, FF) ●



Pigeon Plum Tree (N, FF) ●



Green Buttonwood (N, FF) ●



SF Flash Pine (N, FF) ●



Laurel Oak (N, FF)

● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)

CORKSCREW ROAD  
PLANT PALETTE REVIEW



PRESENTATION GRAPHIC  
PROJECT # 20203155-000  
DATE: July 2022

# ACCENT TREES

Bottlebrush Tree (NN, FF)  
*limited use only*



Sweetbay Magnolia (N, FF) ●



Yellow Poinciana Tree (NN, FF) ●



Japanese Blueberry Tree (NN) ●



Orange Geiger (N, FF)  
*limited use only*



Queen Crape Myrtle (NN, FF)



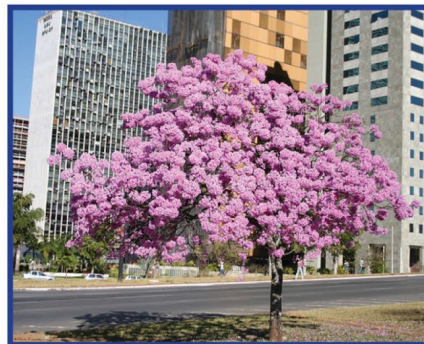
Crape Myrtle (NN, FF) ●



Silver Buttonwood Tree (N, FF)



Royal Poinciana Tree (NN, FF)  
*limited to large space only*



Pink Trumpet Tree (N, FF) ●

● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)

CORKSCREW ROAD  
PLANT PALETTE REVIEW



PRESENTATION GRAPHIC  
PROJECT # 20203155-000  
DATE: July 2022

# PALMS



Montgomery Palm (NN, FF)



Paurotis Palm (N, FF) ●



Royal Palm (N, FF)  
*clear of roads and sidewalks*



Sabal Palm (N, FF) ●

## CORKSCREW ROAD PLANT PALETTE REVIEW



● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)

PRESENTATION GRAPHIC  
PROJECT # 20203155-000  
DATE: July 2022

# ACCENT PALMS



Alexander Palm (NN, FF) ●



Bismark Palm (NN, FF) ●



Puerto Rican Hat Palm (NN, FF)



Florida Thatch Palm (N, FF) ●



Chinese Fan-Palm (NN, FF) ●

CORKSCREW ROAD  
PLANT PALETTE REVIEW

● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)



JOHNSON  
ENGINEERING

PRESENTATION GRAPHIC  
PROJECT # 20203155-000  
DATE: July 2022

# LARGE SHRUBS

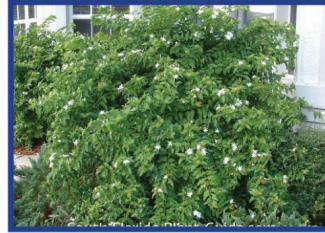
Cardboard Plant (NN, FF)



Crinum Lily (NN, FF)



Downey Jasmine (NN, FF) ●



Dwarf Firebush (NN, FF)  
*limited to large space only*



Green Saw Palmetto (N, FF) ●



Green Buttonwood (N, FF) ●



Red Tip Cocoplum (N, FF)  
*limited to large space only* ●



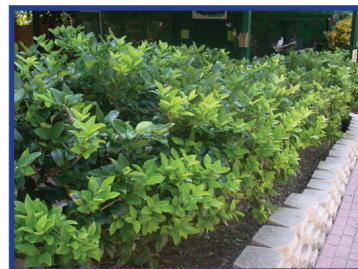
Jamaican Caper (N, FF)

Silver Buttonwood (N, FF) ●

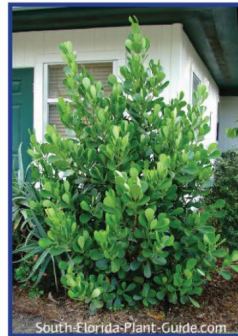


Silver San Palmetto (N, FF) ●

Simpson Stopper (N, FF)



Sweet Viburnum (NN, FF)



Small Leaf Clusia (NN)

Wild Coffee (N, FF) ●



● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)

# SMALL SHRUBS

Emerald Blanket Natal Plum (NN, FF) ●



Coontie (N, FF) ●



Dwarf Blue Porterweed (N, FF) ●



Dwarf White Bougainvillea (NN, FF) ●



*Miss Alice-White*

Croton Gold Dust (NN, FF) ●



Golden Creeper (N, FF)

Dwarf Small Leaf Clusia (NN)



Dwarf Pink Bougainvillea (NN, FF) ●



*Helen Johnson - Pink Silhouette - Pink/Lavendar*

● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)



# GRASS

Elliotts Lovegrass (N, FF)



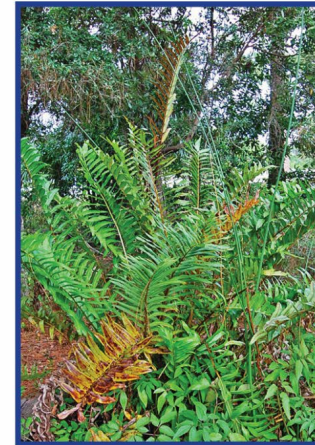
Muhley Grass (N, FF) ●



Purple Lovegrass (N, FF)



Leather Fern (N, FF) ●  
*limited to large space only*



Fakahatchee Grass (N, FF) ●



Sand Cordgrass (N, FF) ●

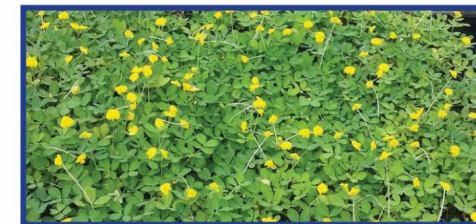


# GROUNDCOVER

African Iris (NN, FF)

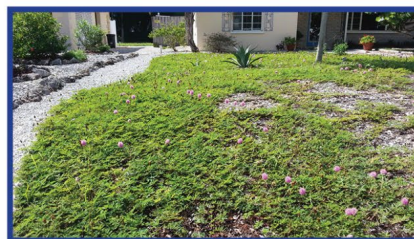


Asiatic Jasmine (NN, FF) ●



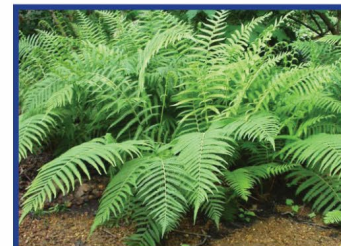
Perennial Peanut (NN, FF)

Agapanthus (NN, FF)



Sunshine Mimosa (N, FF)

Sword Fern (N, FF) ●

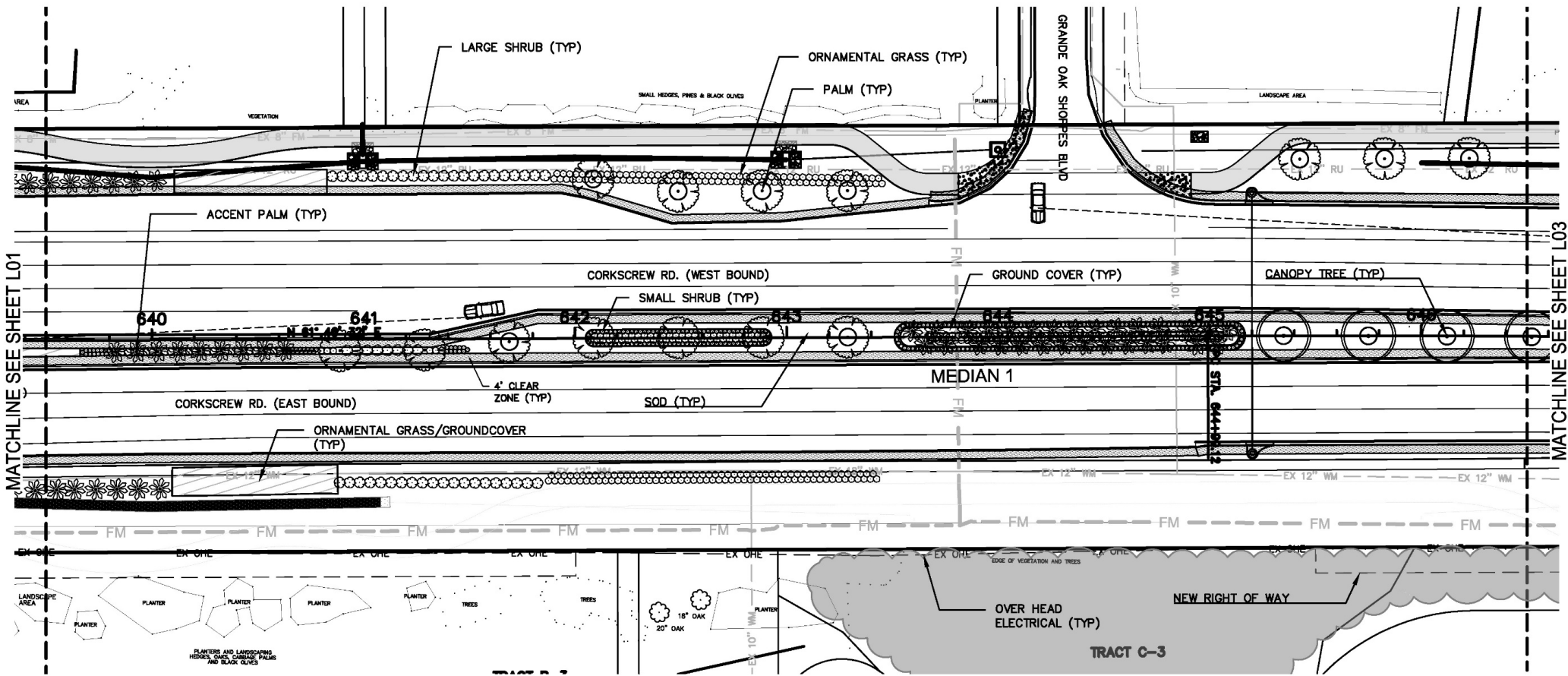


Southern Shield Fern (N, FF) ●

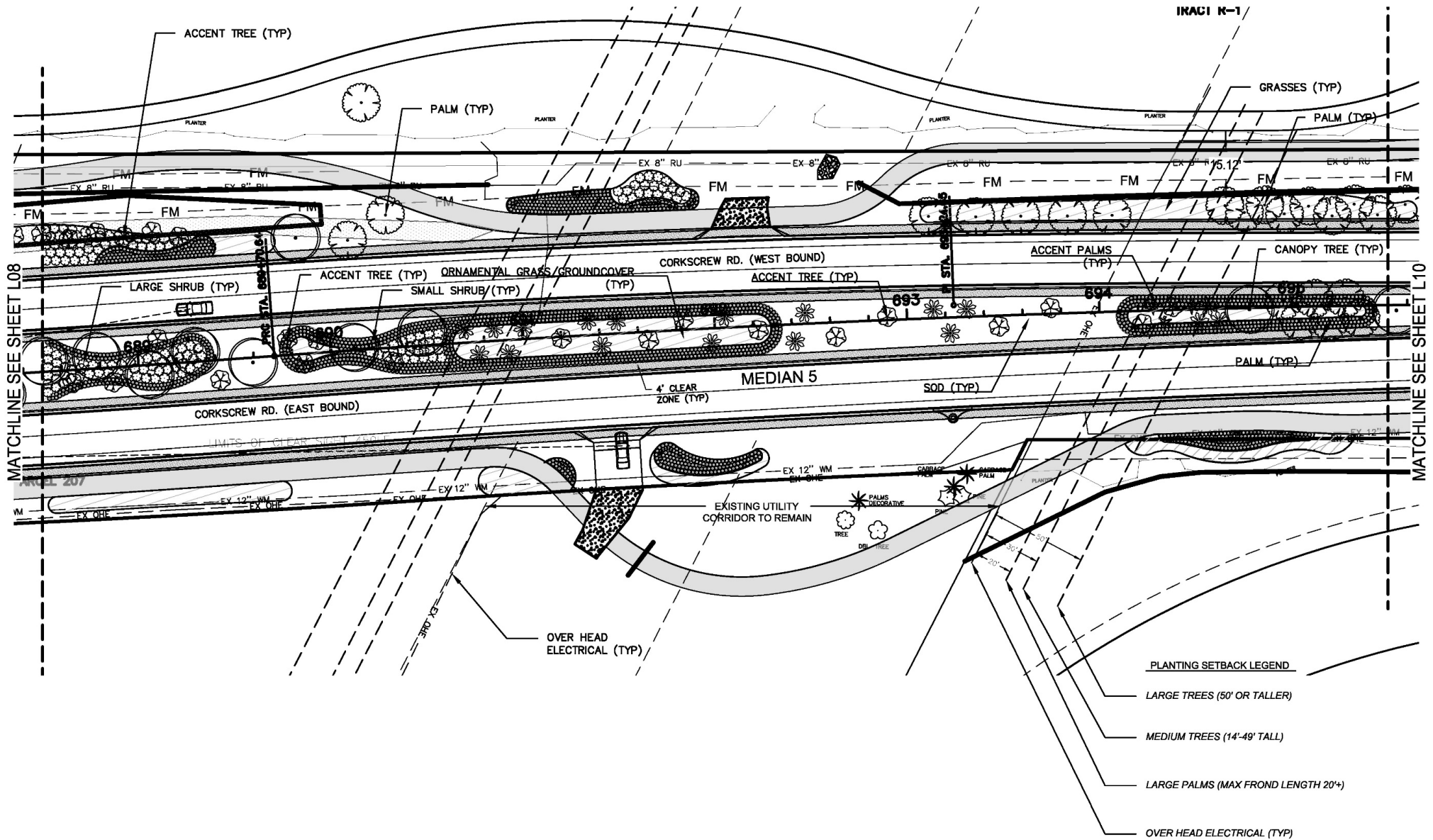
● Plant utilized on Estero Parkway project

Native (N)  
Non-Native (NN)  
Florida Friendly (FF)

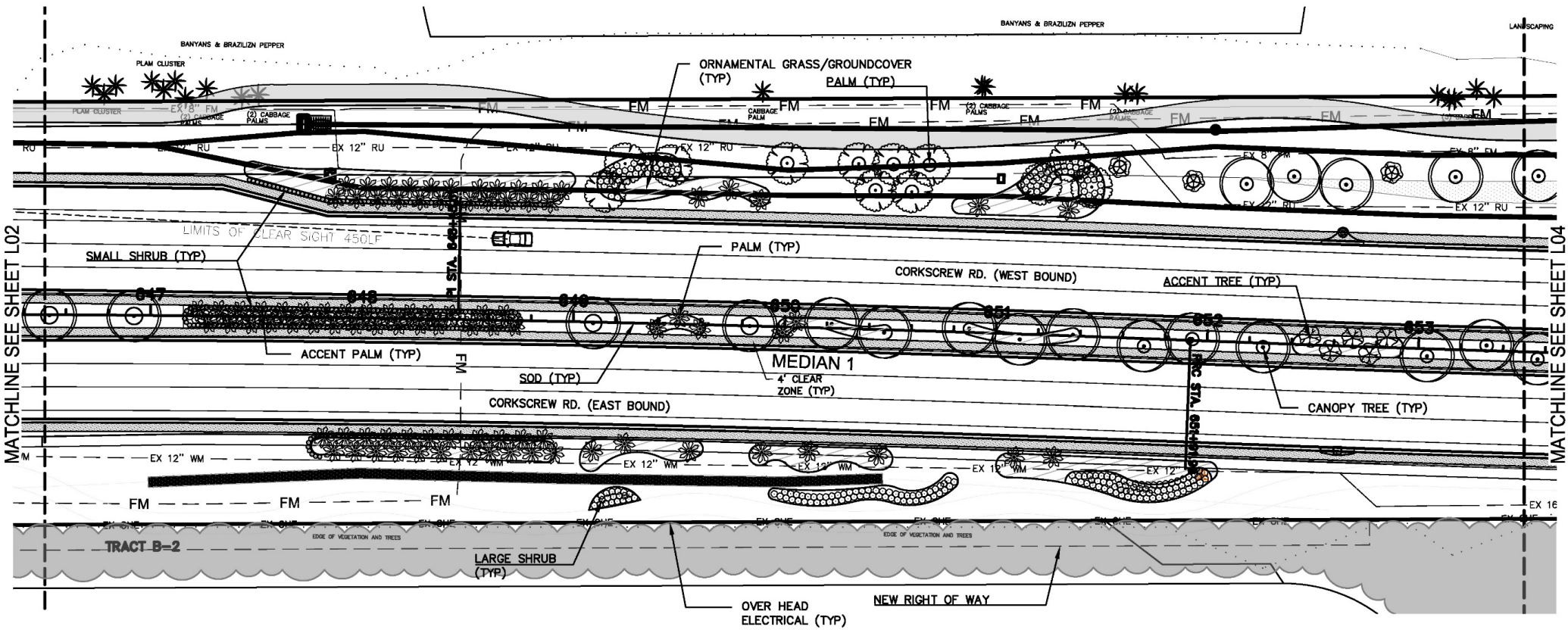
# CONCEPTUAL LANDSCAPE DESIGN – FORMAL (WEST END)



# CONCEPTUAL LANDSCAPE DESIGN – INFORMAL (EAST END)



# CONCEPTUAL LANDSCAPE DESIGN – TRANSITIONAL



THANK YOU!  
Any questions?

JOHNSON  
ENGINEERING

