

MAIN STREET (State Route 29) CORRIDOR STREETScape IMPROVEMENT



PROJECT:



IMMOKALEE CRA

Debrah Forester: CRA Director
Christie Betancourt: CRA Operations Manager
Yvonne Blair: CRA Project Manager

FDOT

Darryl Richard, RLA: Landscape Architect
FDOT Project Liaison

JOHNSON ENGINEERING INC.

Jeff Nagle, RLA: Project Manager
Tyler Rubley: Landscape Designer
Connor Eisenbraun: Landscape Designer
Amanda Martin, AICP: Planner
Kevin Nguyen, P.E.: Civil Engineer
Josh Hildebrand, P.E.: Transportation Engineer
David Hyatt, LS: Surveyor
John Curtis: Environmental Scientist

DESIGN TEAM:

WHAT WE NEED

★ Safety for walking & biking

★ Downtown revitalization

★ Litter abatement

★ Discourage loitering

★ Suppress feral chickens

WHAT WE KNOW

- High bike use exists
- No bike lanes exist
- Need bike parking/storage

- Existing streetscape is outdated and unappealing
- Site furnishings are deteriorating or missing

- Existing loose litter on streetscape
- Existing trash receptacles are not sized or located adequately

- Homeless camps exist on streetscape
- Existing food pantry creates extended stays

- Existing landscape areas create habitat for feral chickens
- No existing predator for the feral chickens
- The feral chickens are damaging existing landscaping and pose a human health concerns



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SOLUTION

- Provide “Share The Sidewalk” signs
- Provide additional bike racks

- Provide new furnishings that meet the intended design and aesthetic requirements.

- Provide trash receptacles with greater capacity and locate appropriately

- Provide furnishings that deter long stays in designated seating areas
- Coordinate incentives with food pantry for container returns

- Remove or reduce chicken habitat by eliminating chickens access to at grade landscape areas

Existing Constraints

Existing Site Geometry:

- No Demarcated Parallel parking spaces along SR 29
- Existing driveway access (aprons) behind the parallel parking
- Unconventional curbing layout at bump out intersections
- Existing obstructions within the sidewalk route (signs and light poles)



Regulatory (FDOT Design Restrictions):

- **4' Clear Zones from traveled lanes**
(no physical obstructions other than regulatory signs and service points)
(no plantings other than groundcover below 18" height)
- **500' -550' Clear Sight Lines from turning vehicles, side streets & driveways**
(no obstruction above 18" & below 8.5')
(tree species, location, spacing and height limitations)
- **100' no planting area from median nosing's**
(landscaping limited to groundcover 18" height or less)



Utility Conflicts:

- Underground electric
 - Underground fiber optic
 - Underground telephone
 - Underground potable water
 - Underground non-potable water
 - Underground sanitary sewer
 - Underground storm drainage
- (all utility lines require a 10' clearance from trees)



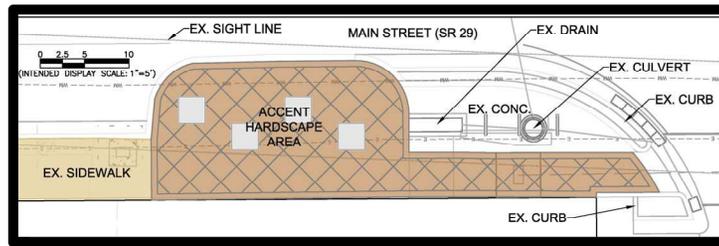
Existing Site Areas:

- Existing concrete sidewalk (+/- 5' wide)= 24,000 SF
- Existing stamped concrete in extended sidewalk areas = 6,200 SF
- Existing brick pavers in sidewalk banding strip (+/- 2' wide)= 3,600 SF
- Existing sod in sidewalk banding strip (east of 1st Street) = 1,000 SF
- Existing benches in extended sidewalk areas = 37 ea.
- Existing planters in extended sidewalk areas = 44 ea.

Proposed Site Areas:

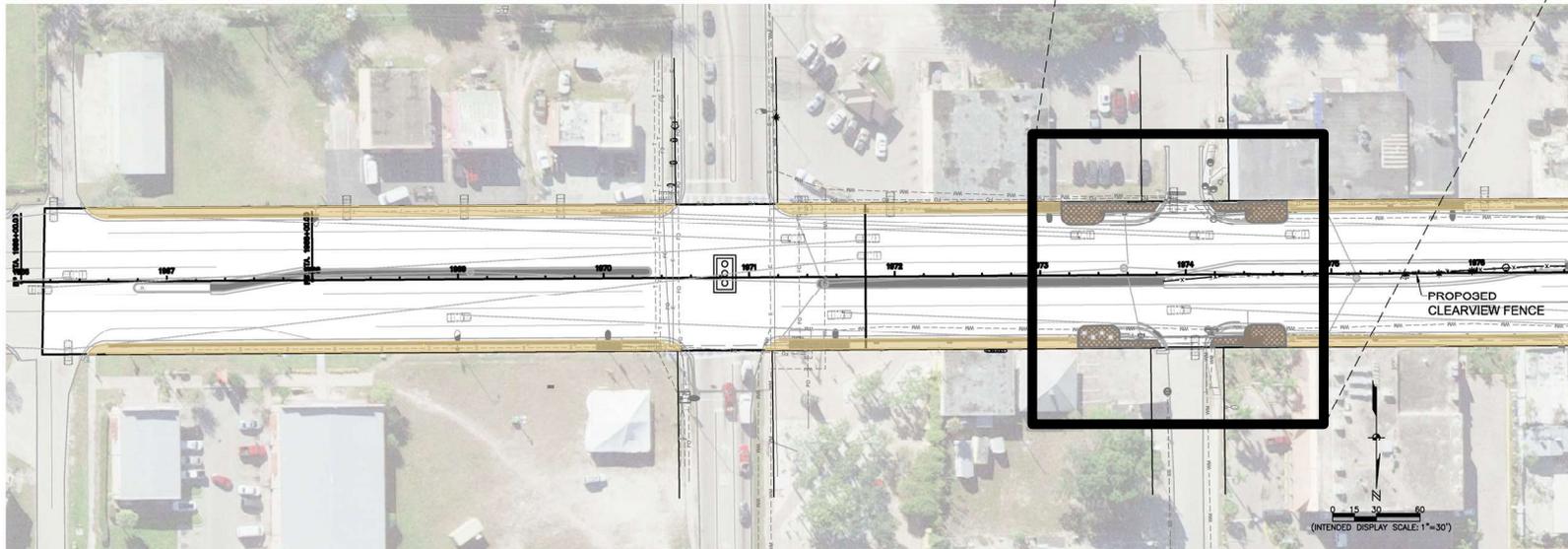
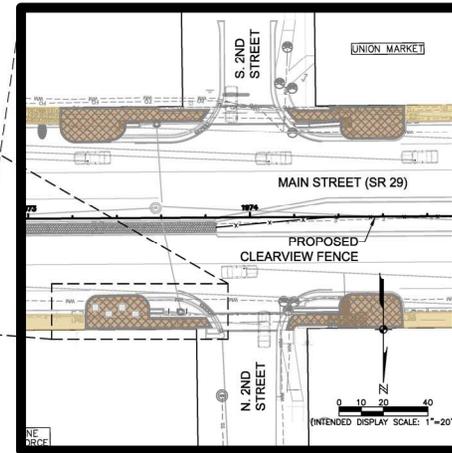
- Proposed standard concrete sidewalk (including brick & sod banding strip) = 28,600 SF
- Proposed decorative concrete treatment in extended sidewalk areas = 14,000 SF
- Proposed accented roadway crosswalk areas (1st Street & 9th Street intersections) = 6,300 SF
- Proposed benches in extended sidewalk areas (average 3 per area) = 72 ea.
- Proposed bike racks in extended sidewalk areas (average 3 per area) = 72 ea.
- Proposed conventional trash receptacles in extended sidewalk areas (average 1 per area) = 14 ea.
- Proposed compacting trash receptacles in extended sidewalk areas (average 1 per area) = 10 ea.

Proposed Hardscape Improvements

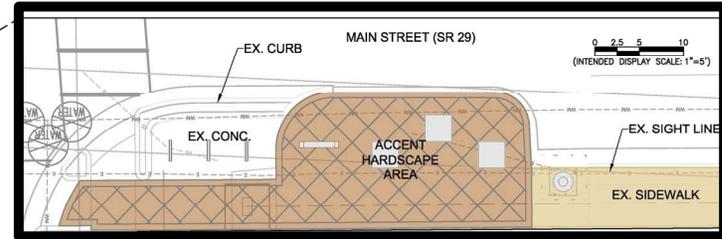
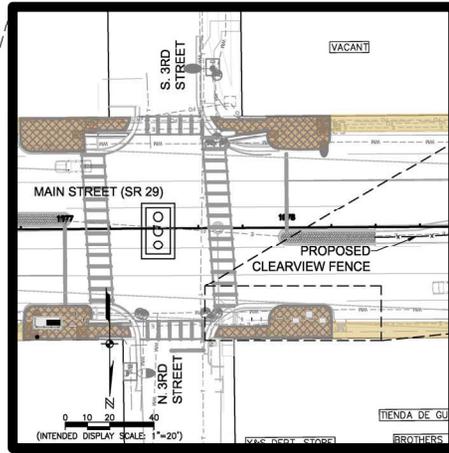


SIDEWALK AREAS ACCENT AREAS

MAIN STREET HARDSCAPE IMPROVEMENTS LAYOUT



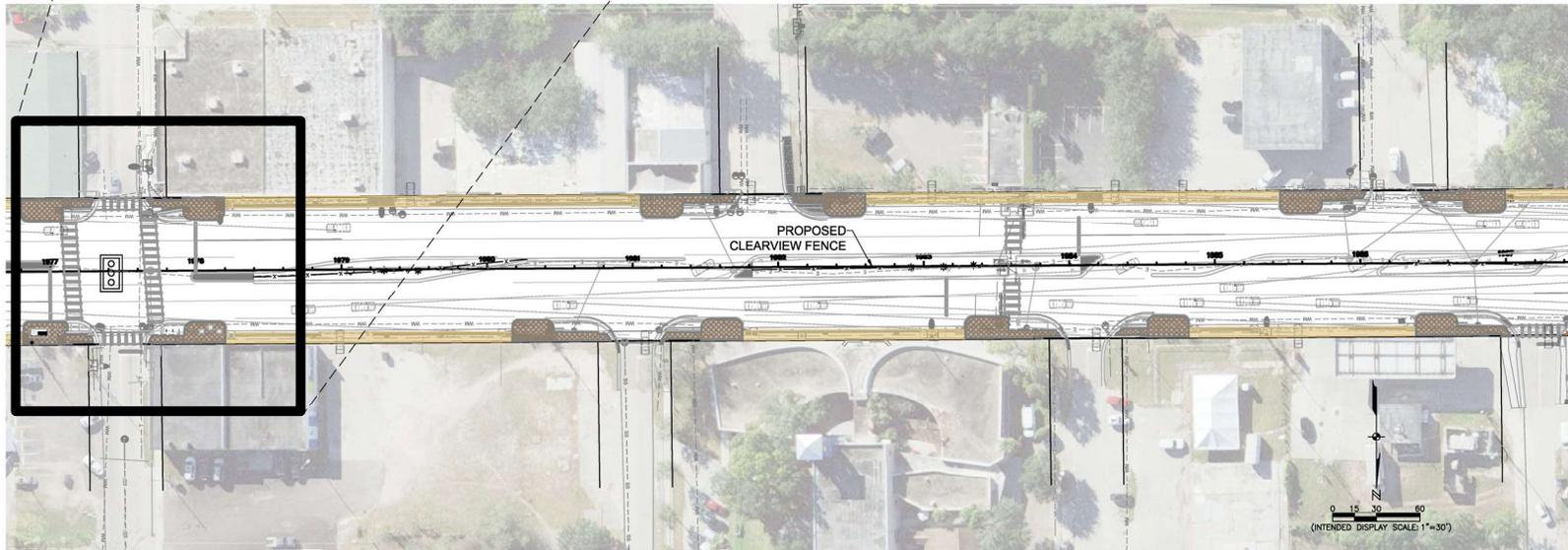
Proposed Hardscape Improvements



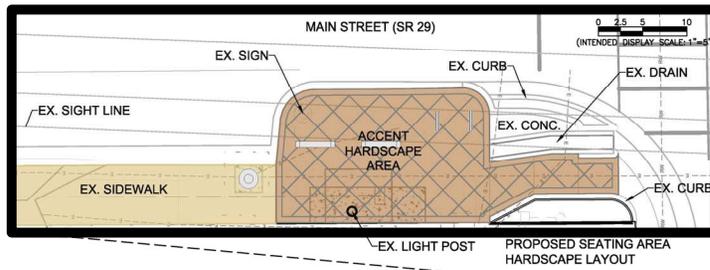
PROPOSED SEATING AREA
HARDSCAPE LAYOUT

■ SIDEWALK AREAS ■ ACCENT AREAS

MAIN STREET HARDSCAPE IMPROVEMENTS LAYOUT

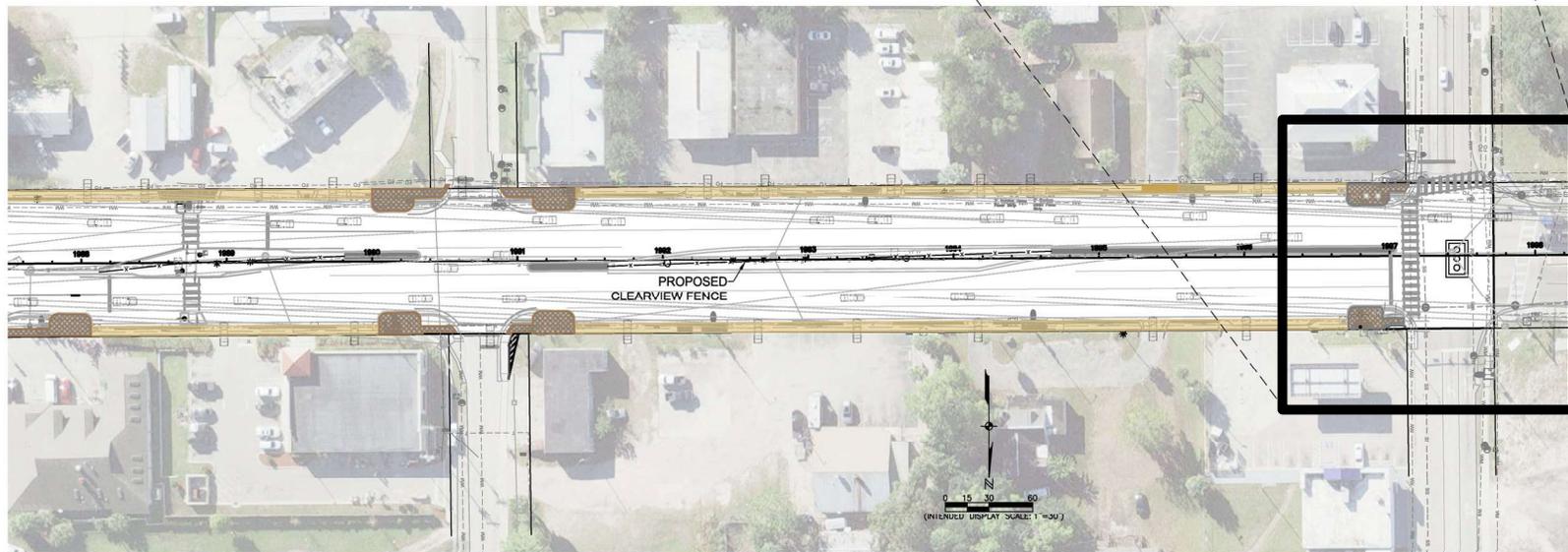
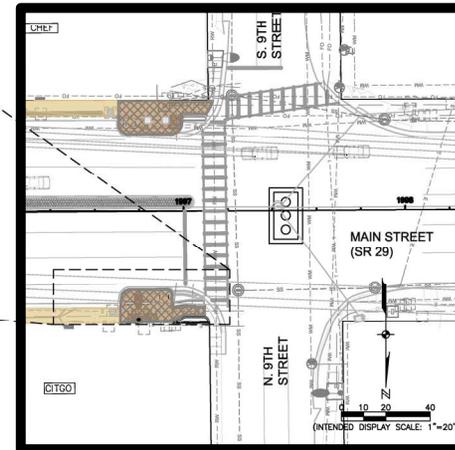


Proposed Hardscape Improvements



EX. SIDEWALK ACCENT AREAS

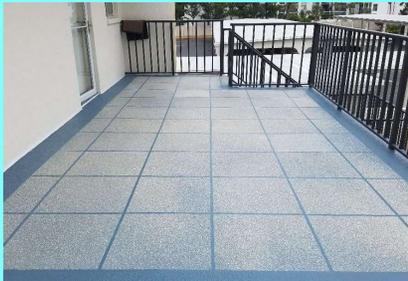
MAIN STREET HARDSCAPE IMPROVEMENTS LAYOUT



Hardscape Options

Concrete Sidewalk Accents

Select ONLY 1
(Option A or B)



COST: ± \$4.5/\$6.5 SF
TOTAL: ± \$274,625



Option A
Surface Paint

COST: ± \$20 SF
TOTAL: ± \$1,152,500

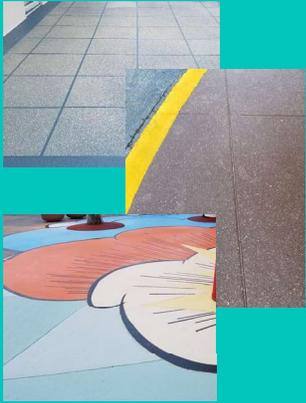


Option B
Epoxy Finish

Hardscape Options

Concrete Sidewalk Surface Paint Selection Palette

Option A Surface Paint



Estimated Surface Paint Cost:

Sidewalk (28,600 SF x \$4.5 SF) = \$128,700

Sitting Area Accent (14,000 SF x \$6.5 SF)
= \$91,000

Total Sidewalk & Accent Surface Painting
(\$219,700 [25%]) =

\$274,625

Color:

Option A - Preference 1

Select 3 color preferences for blended color or 1 for general sidewalks. (example: Smoke, Sahara, Carmel)

Option A - Preference 2

Select 2 color preferences for blended color or 1 for sitting area accents. (example: Peach, Coral)



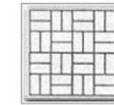
Sitting Area Accent:

Option A - Preference 3

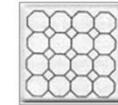
Select 1 pattern preference
(example: herringbone)



Ashlar Slate



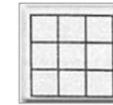
Basket weave



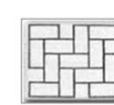
Diamond Tile



Old English Cobblestone



Square Tile



Herringbone



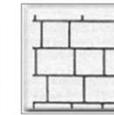
Regal Tile



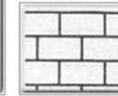
Mock Herringbone



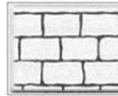
Random Blue Stone



Jumbo Brick



Running Bond



Rustic Brick



Face Brick



Stacked Bond

Hardscape Options

Concrete Sidewalk Epoxy Surfacing Selection Palette

Option B Epoxy Finish



Estimated Epoxy Surfacing Cost:

Sidewalk (28,600 SF x \$20 SF) = \$572,000

Sitting Area Accent (14,000 SF x \$25 SF) = \$350,000

Total Sidewalk & Accent Epoxy Surfacing (\$922,000 [25%]) =

\$1,152,500

Color:

Option B - Preference 1

Select 3 color preferences for blended color or 1 for general sidewalks. (example: Smoke, Sahara, Carmel)

Option B - Preference 2

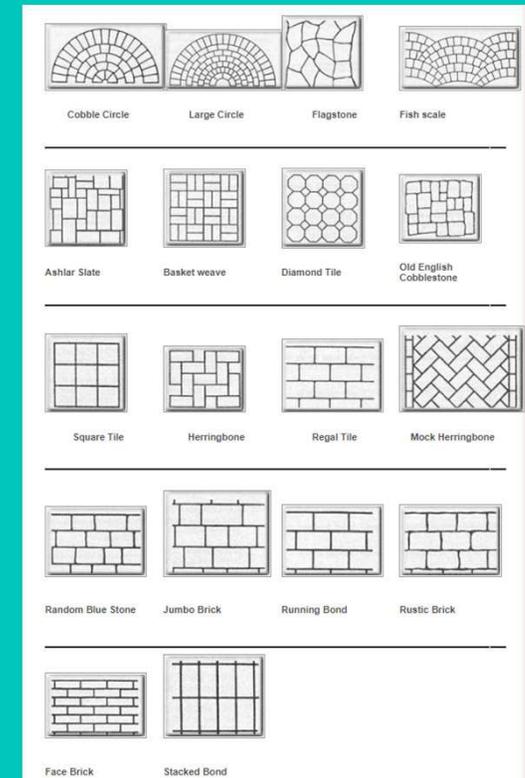
Select 2 color preferences for blended color or 1 for sitting area accents. (example: Peach, Coral)



Sitting Area Accent:

Option B - Preference 3

Select 1 pattern preference (example: herringbone)



Hardscape Options

Roadway Accents
Select ONLY 1
(Option C or D)



COST: ± \$11.5 SF
TOTAL: ± \$90,562



Option C
Stamped/Colored Asphalt

COST: ± \$20 SF
TOTAL: ± \$126,000



Option D
Concrete Pavers

Hardscape Options

1st Street Crosswalk Stamp/Color Asphalt Selection Palette

Crosswalk Color:

Option C – Preference 1

Select 1 color preference for field.
(example: Old Brick)

Option C – Preference 2

Select 1 color preference for banding.
(example: Yellow)

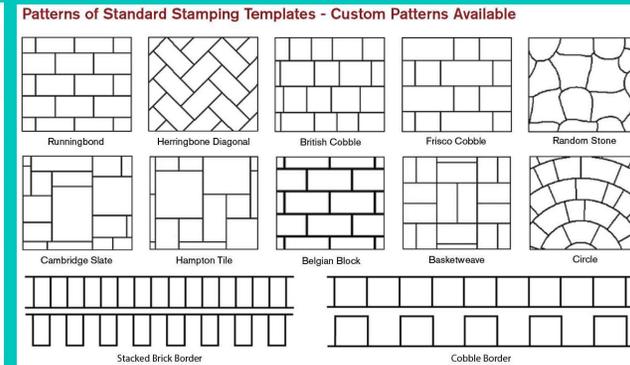
Crosswalk Pattern:

Option C – Preference 3

Select 1 pattern preference for field.
(example: herringbone)

Option C

Stamp/Color Asphalt



Estimated Crosswalk Stamp/Colored Asphalt Cost:

$$(6,300 \text{ SF} \times \$11.5 \text{ SF}) = \$72,450$$

$$\text{Total Crosswalk Concrete} \\ (\$72,450 [25\%]) =$$

\$90,562

Hardscape Options

1st Street Crosswalk Concrete Pavers Selection Palette

Option D Concrete Pavers



Estimated Crosswalk Concrete Pavers Cost:

$(6,300 \text{ SF} \times \$20 \text{ SF}) = \$126,000$

Total Crosswalk Concrete Pavers
 (\$126,000 [25%]) =
\$325,000

Crosswalk Color:

Option D – Preference 1

Select 1 color preference for field color.
 (example: Coffee)

Option D – Preference 2

Select 1 color preference for banding color.
 (example: label B)

STANDARD COLORS

			
AUTUMN BLEND Blend: White Blend	GLACIER Blend: White	SAND DUNE Blend: White	SIERRA Blend: White

OFFERED COLORS

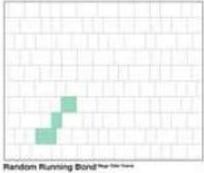
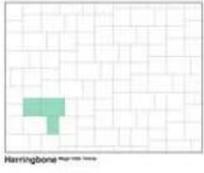
			
CAPPUCCINO Blend: White	COFFEE Blend: Grey	DRIFTWOOD Blend: Grey	GRANITE Blend: Grey
			
HERITAGE Blend: Grey	LION'S BRIDGE Blend: White	OLD CHICAGO White Blend	SANTA FE Blend: Grey

Crosswalk Pattern:

Option D – Preference 3

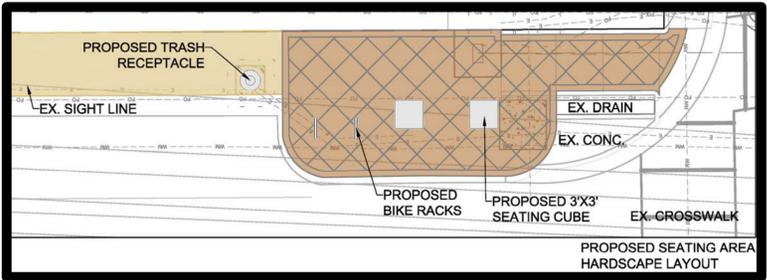
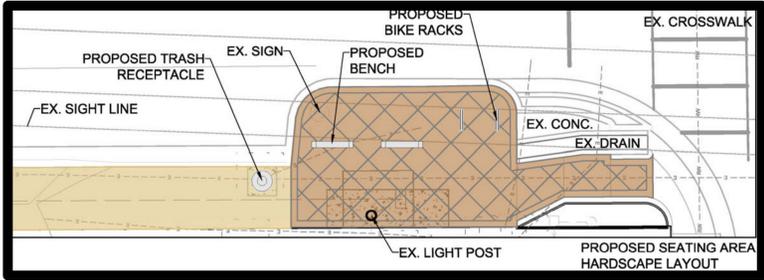
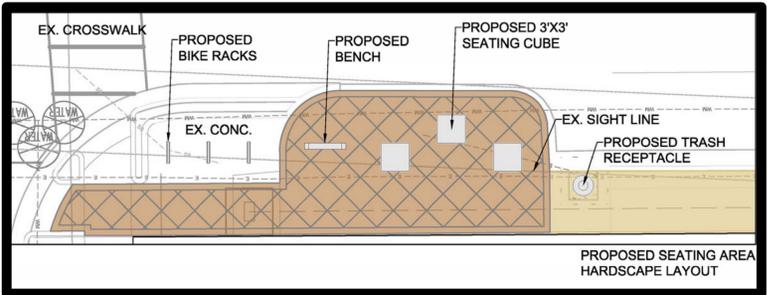
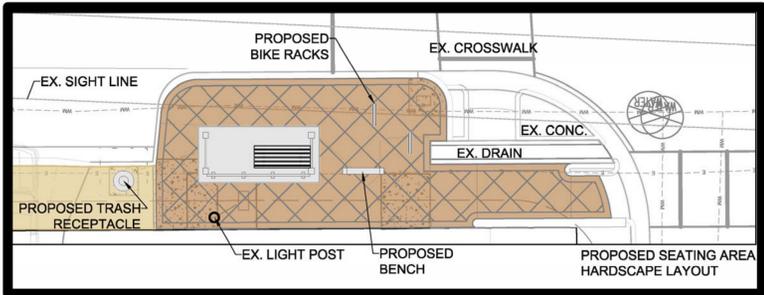
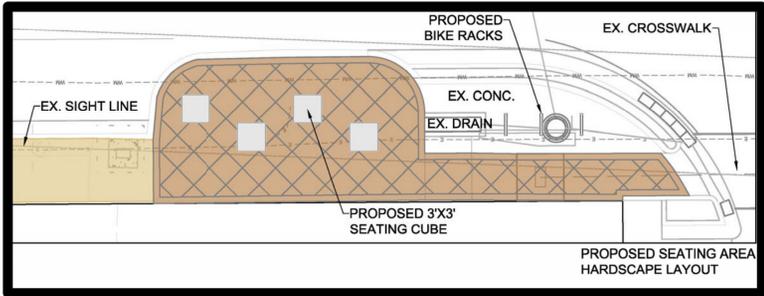
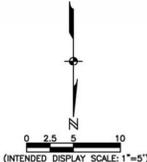
Select 1 pattern preference for field.
 (example: Herringbone)

INSTALLATION PATTERNS

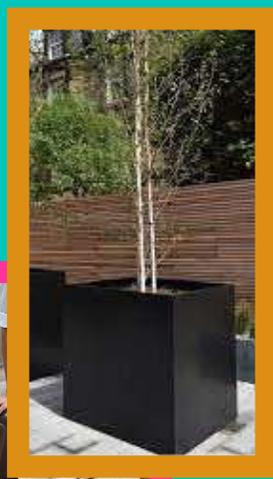
	
RANDOM RUNNING BOND	HERRINGBONE

Proposed Site Furnishing Improvements

TYPICAL SITE FURNISHINGS LAYOUT



Furnishing Options



Concrete Options

Metal Options

Concrete Bench Options

Select ONLY 1
(Option E or F)

Option E

Wausau Tile Square
Concrete Bench
(1.5' SQ)



COST ± \$85,500
(72 benches x \$950ea. = \$68,400)
\$68,400 [25%] = \$85,500

Option E- Preference 1

Select 1 color/finish preference for bench.
(example: Weatherstone, White)



Option F

Belson Square
Concrete Bench
(3' SQ)

Option F - Preference 1

Select 1 color preference for bench.
(example: white)

COST ± \$114,750
(72 benches x \$1,275 ea. = \$91,800)
\$91,800 [25%] = \$114,750



Metal Bench Options

Select ONLY 1
(Option G or H)



Option G Keystone Ridge Metal Leaning Bench

COST ± \$101,250
(72 benches x \$1,125 ea.) = \$81,000
\$81,000 [25%] = \$101,250

Option G – Preference 1
Select 1 preference for
bench color. (example: Charcoal)

STANDARD KEYSHIELD® COLOR OPTIONS



Option H LandscapeForms Metal Sitting Rail Bench

COST ± \$153,900
(72 benches x \$1,710 ea.) = \$123,120
\$123,120 [25%] = \$153,900

Option H – Preference 1
Select 1 preference for
bench color. (example: White)



Powdercoated Metal (Gloss)*



Powdercoated Metal (Metallic)*



Designer Palette Architectural Series (Low Sheen)*



Trash Receptacle Options

Select Preferred Option

Recommendation is 10 Compacting & 14 Concrete Trash Receptacles

COST ± \$43,200
 (24 Trash x \$1,140 ea.) = \$34,560
 \$34,560 [25%] = \$43,200

Option I

Wausau Tile Concrete Trash Receptacle (53 gal)



Option I – Preference 1

Select 1 finish preference for trash receptacle color.
 (example: Finish 21)

Option I – Preference 2

Select 1 color preference for lid color.
 (example: Lid color 14)

Choose Finish: Acid Wash Buff (A21)



Choose Lid Color :



Option J

Ecube Lab Compacting Trash Receptacle (64 gal)

COST ± \$101,250
 (24 Trash x \$6,000 ea.) = \$144,000
 \$144,000 [25%] = \$180,000

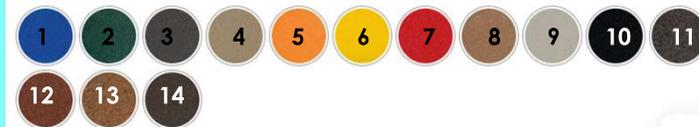


Option J – Under 20 units color is black.

Option J – Preference 2

Manufacture does offer customized Trash receptacle wraps for additional fee if preferred.
 (example: 14)

Choose Lid Color :



Planter Options

Select **ONLY 1**

(Option K or L)

Option K

**Crowd Control Square
Concrete Planter**
(3' SQ)

Option K – Preference 1

Select 1 color preference for concrete planter.
(example: Charcoal)

COST ± \$23,600
(16 Planters x \$1,180 ea.) = \$18,880
\$18,880 [25%] = \$23,600



STANDARD ACID WASH

1 A20 White	2 A21 Buff	3 A22 Sand	4 A23 Gray	5 A24 Brick Red
6 A25 Brown	7 A26 Charcoal			

STANDARD WEATHERSTONE

8 W20 White	9 W21 Buff	10 W22 Sand	11 W23 Gray	12 W24 Brick Red
13 W25 Brown	14 W26 Charcoal			

STANDARD EXPOSED ROCK

15 E20 White	16 E21 Buff	17 E22 Sand	18 E23 Gray
19 E25 Brown	20 E26 Charcoal	21 E24 Brick Red	

Option L

**Tournesol Square
Metal Planter**
(3' SQ)

Option L – Preference 1

Select 1 color preference for metal planter.
(example: 24)

COST ± \$54,300
(16 Planters x \$2,715 ea.) = \$43,440
\$43,440 [25%] = \$54,300



Standard Colors

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	

Weathering Steel

After Natural Patina

--	--

Bike Rack Options

Select ONLY 1
(Option M or N)

Option M

Concrete Bike Rack
(3' SQ)



COST ± \$63,450
 (72 Bike Rack x \$705 ea.) = \$50,760
 \$50,760 [25%] = \$63,450

Option M – Preference 1

Select 1 color preference for bike rack.
(example: Beige)

Materials: Etched and waterproofed UHPC Concrete.

Colours:



UHPC GR. Grey



UHPC BL. White



UHPC BG. Beige

Option N

LandscapeForms
Metro 40 Bike Rack



COST ± \$81,000
 (72 Metal Bike Rack x \$900 ea.) = \$64,800
 \$64,800 [25%] = \$81,000



Option N – Preference 1

Select 1 color preference for bike rack.
(example: White)

Powdercoated Metal (Metallic)*



Bronze Silver Steel Stone Titanium Mercury

Designer Palette Architectural Series (Low Sheen)*



Blue Ash Dark Nutmeg Obsidian Onyx Matte Black

Powdercoated Metal (Gloss)*



Black Blue Bell Buttercup Cranberry Flame Orange Grass

Ivy Ocean Stormcloud White



Additional Amenity Options

Subject to FDOT approval

Structured Shade Systems Select ONLY 1 (Option O or P or Q)



Option O

Landscape Forms
Metal Shade (79"
diameter)

Select 1 color preference
COST ± \$7,875 each



Option P

Inmod Tri Corale
Tensile Sun Shade (60"
diameter)

Select 1 color preference
COST ± \$1,875 each



Option Q

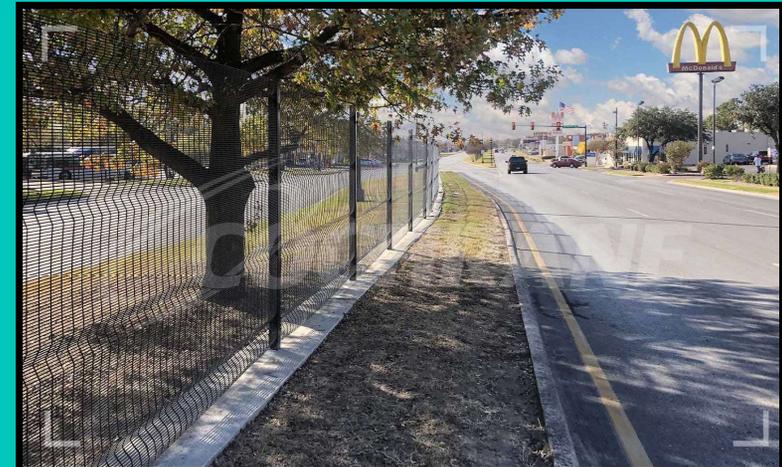
LandscapeForms
Metal Kaleidoscope
Open Structure 7'-4" x
9'-9")

Select 1 color preference
COST ± \$18,950 each



Mid-Block Crossing Control Fencing (Option Like or Dislike)

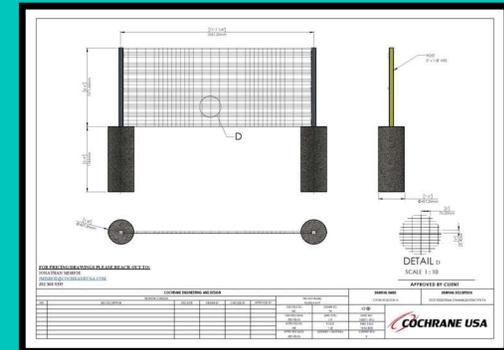
48" High Located within median landscaping



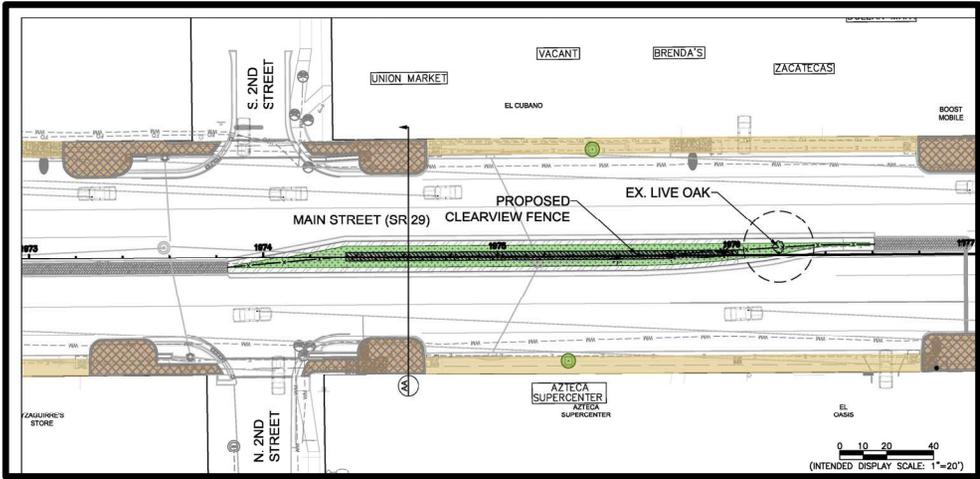
CLEARVU
COCHRANE'S INVISIBLE WALL

COCHRANE USA
cochraneusa.com

COST ± \$63,400
(ClearVu Fence \$1,268 LF
x \$40 LF .) = \$50,720
\$50,720 [25%] = \$63,400

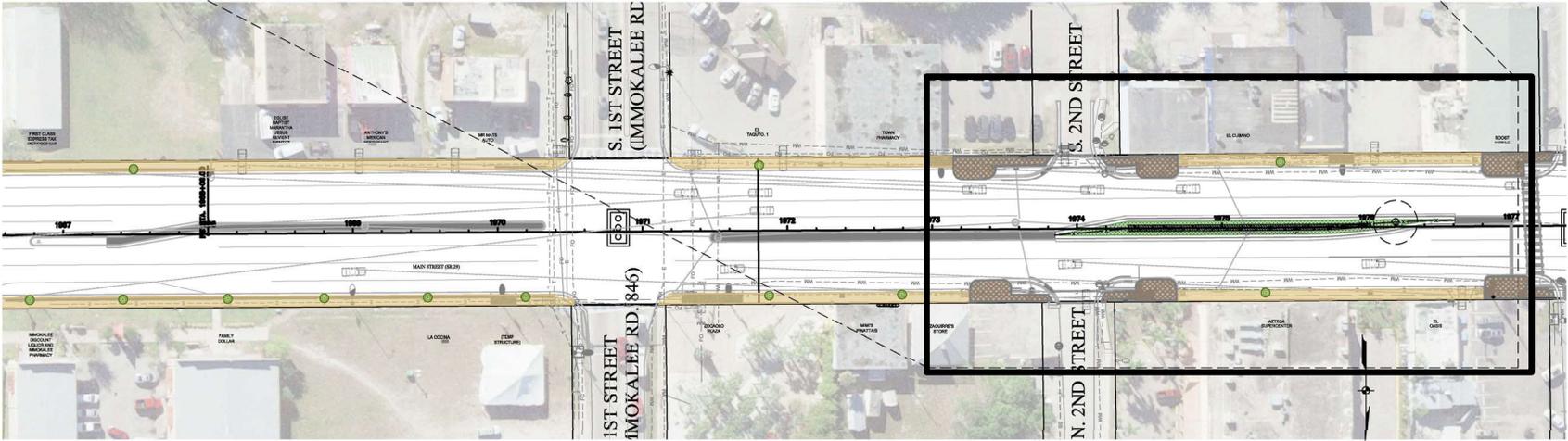


Landscape Improvements

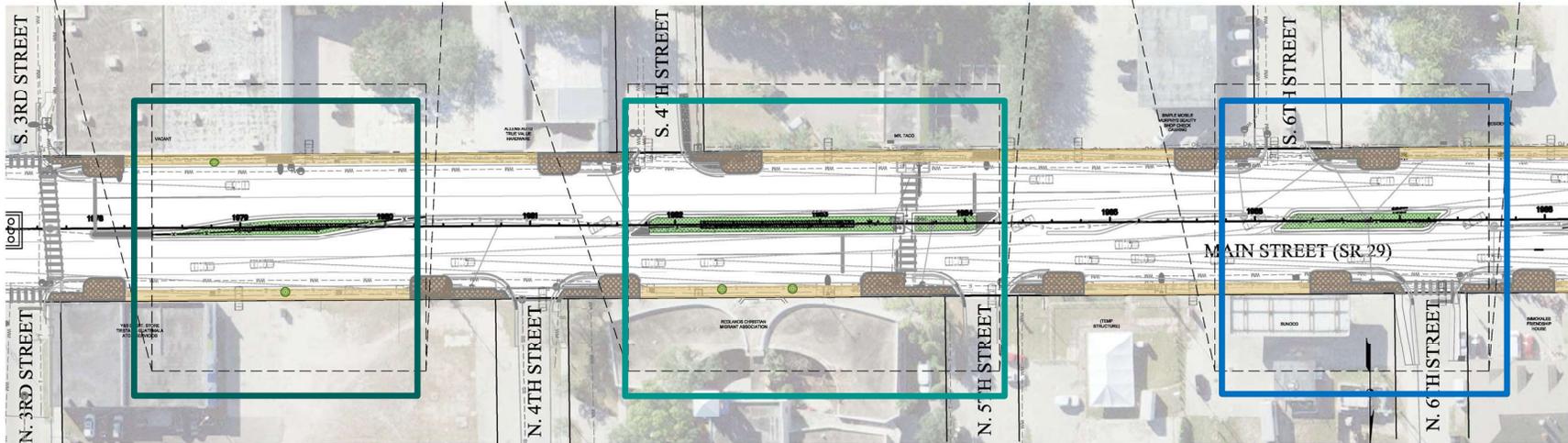
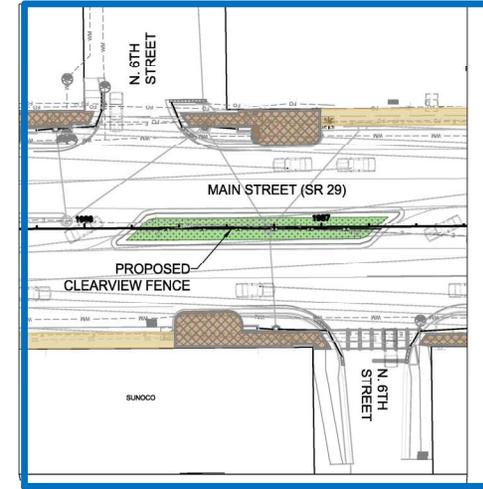
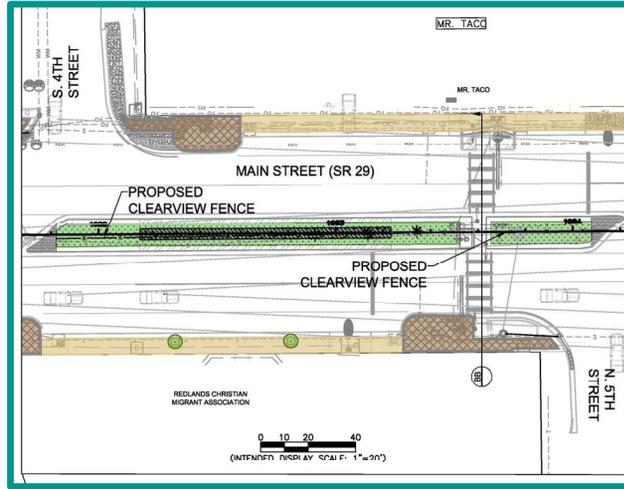
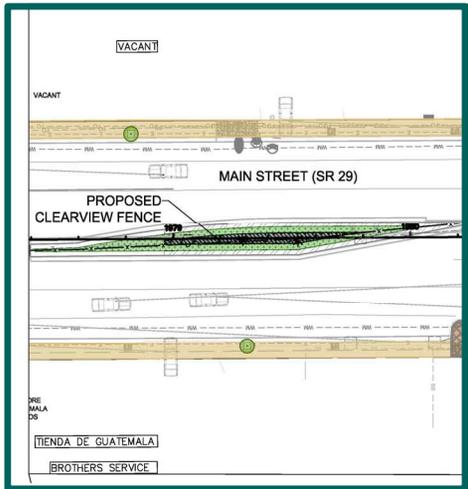


MAIN STREET LANDSCAPE IMPROVEMENTS

-  CLEAR ZONE AREAS
-  GROUNDCOVER AREAS (<18")
-  MEDIUM SHRUB AREAS (>18")
-  PROPOSED PLANTER WITH 8' PALM
-  EXISTING TREES
-  EXISTING PALMS



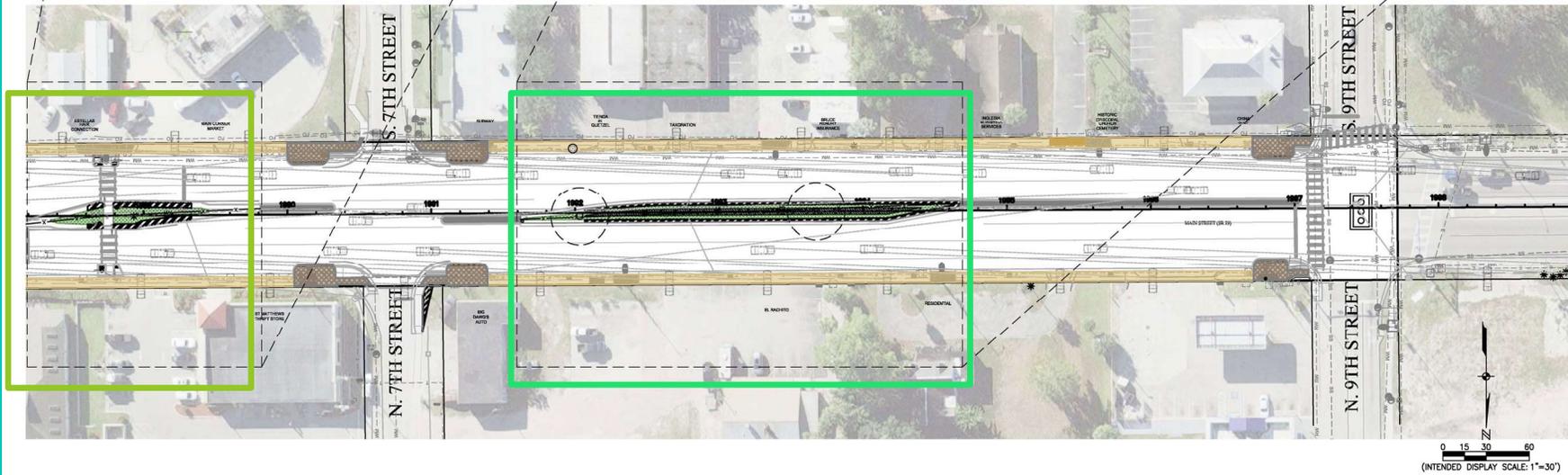
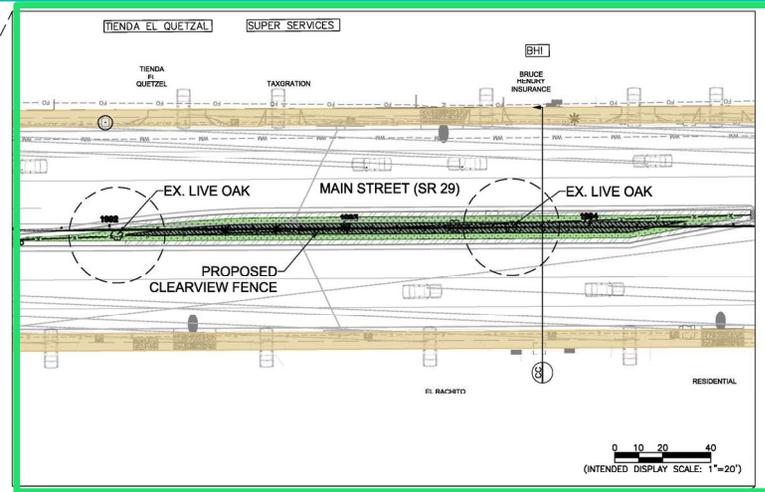
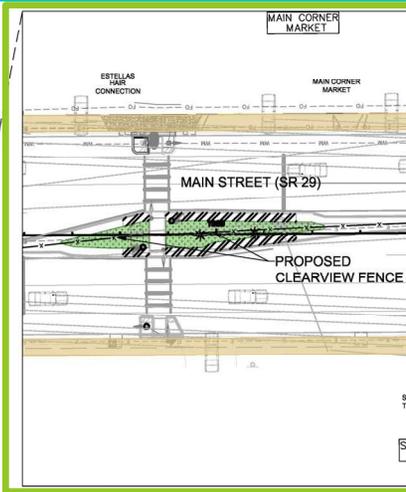
Landscape Improvements



0 15 30 60

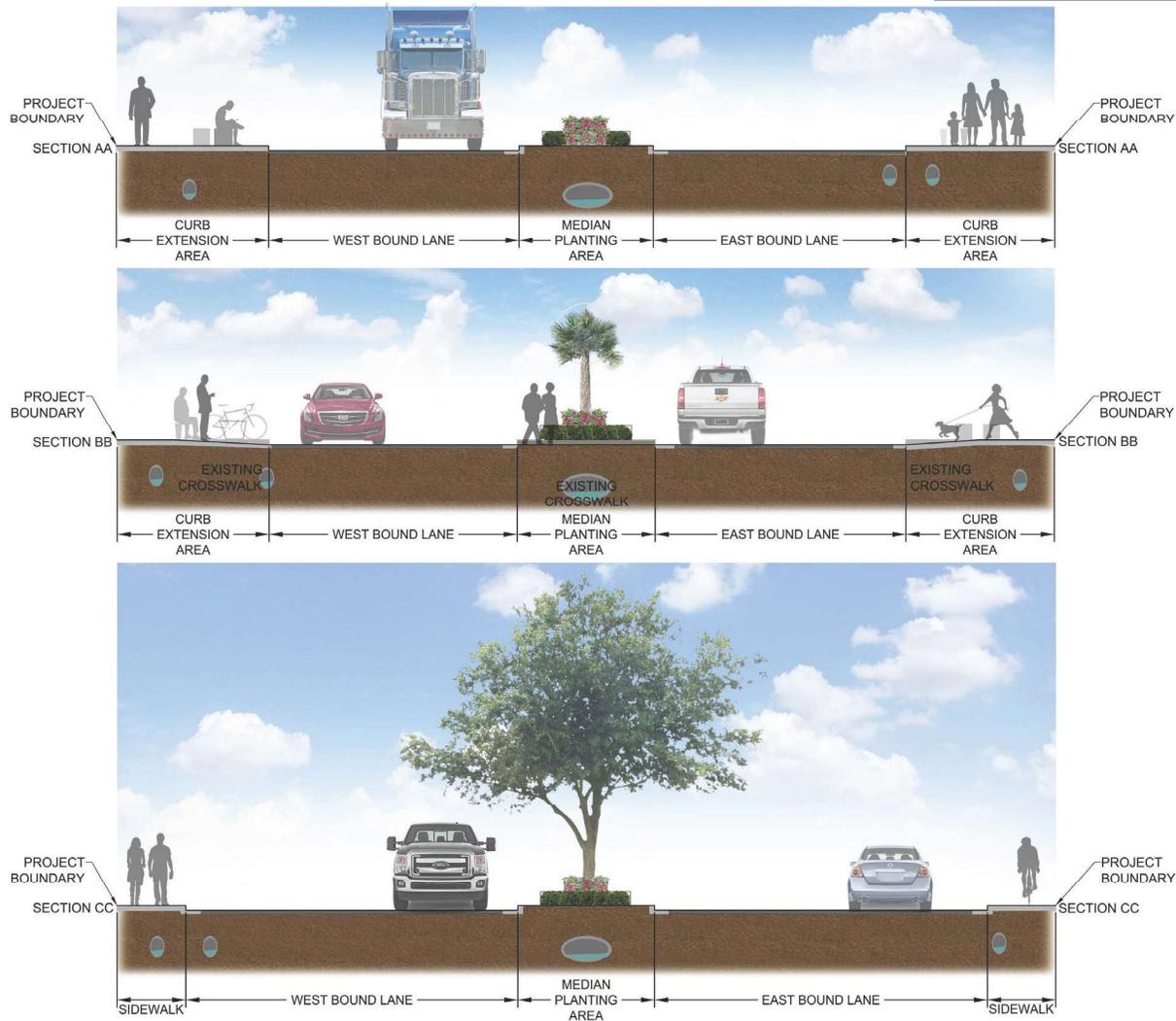
(INTENDED DISPLAY SCALE: 1"=30')

Landscape Improvements



Landscape Improvements

TYPICAL PROPOSED LANDSCAPE SECTIONS



Plant Palette Selection

Trees/Palms

Rank order of preferences for trees/palms.

COST ± \$375 each



Muskogee Crape Myrtle



Desert Cassia



Pygmy Date Palm

Large Shrubs

Rank order of preferences for large shrubs.

COST ± \$70 each



Cocoplum



Silver Buffonwood



Clusia



Golden Thryallis



Simpson Stopper

Plant Palette Selection

Small Shrubs

Rank order of preference for small shrubs.

COST ± \$30 each



Dwarf Clusia



Carissa



Pink Bougainvillea



Blue Porterweed

Ornamental Grasses

Rank order of preference for ornamental grasses.

COST ± \$15 each



Muhly Grass (3' ht.)



White Fountain Grass (3' ht.)



Purple Lovegrass (1' ht.)



Elliott's Lovegrass 1' ht.)

Groundcover

Rank order of preference for groundcover.

COST ± \$6.00 each



Asiatic Jasmine



Foxtail Fern



Perennial Peanut

**Next Step
Prepare Permitting Plans
for FDOT Submittal**

**Next Scheduled Meeting
for Construction Plans Presentation
-To Be Determined-**

Next Step:

Thank You for Your Participation!

