

*CITY OF SARASOTA*  
 PLANNING DEPARTMENT  
 CONCEPT PLANS

*10TH STREET & BOULEVARD OF THE ARTS*

SARASOTA COUNTY

LANDSCAPE 10TH ST & BOULEVARD OF THE ARTS

INDEX OF LANDSCAPING PLANS

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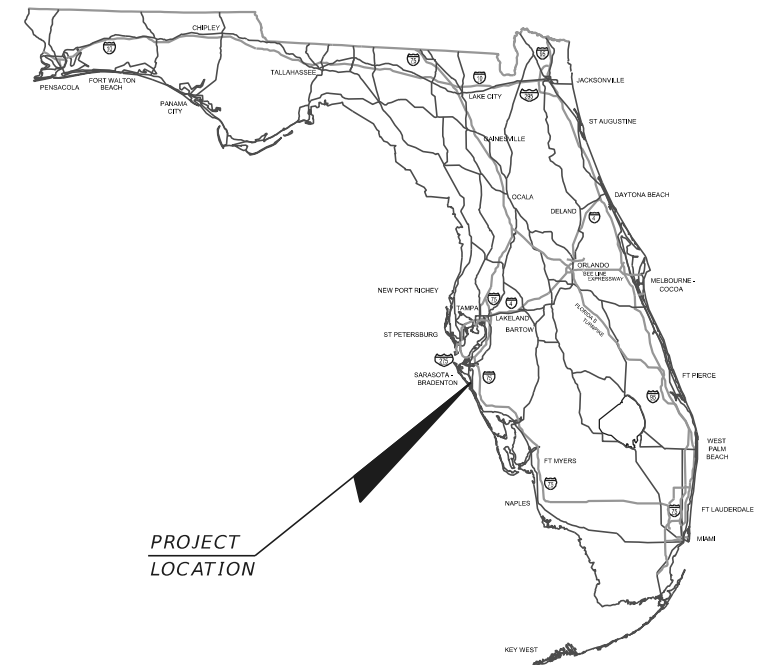
PROJECT LOCATION URL: NONE

PROJECT LIMITS: 10TH STREET -  
 FROM WEST OF COCOANUT AVENUE  
 TO NORTH OF ORANGE AVENUE  
 BOULEVARD OF ART THE ARTS -  
 FROM WEST OF NORTH TAMiami TRAIL  
 TO EAST OF KUMQUAT COURT

EXCEPTIONS: NONE

BRIDGE LIMITS: NONE

RAILROAD CROSSING: NONE



PROJECT  
 LOCATION

LANDSCAPE PLANS DEVELOPED BY:

CHRISTOPHER KELLER, AICP, PLA  
 NO. LA 00001352  
 HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY,  
 SUITE 200  
 LAKE MARY, FL 32746  
 (407) 805-0355

DEVELOPMENTAL STANDARDS:

CITY OF SARASOTA ENGINEERING DESIGN STANDARDS MANUAL

CITY OF SARASOTA PROJECT MANAGER:  
 CORINNE ARRIAGA, AICP, CPH  
 SENIOR TRANSPORTATION PLANNER  
 1761 12TH STREET  
 SARASOTA, FL 34236  
 (941) 263-6362

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T.B.D.	24	1

NATURE OF CONSTRUCTION ACTIVITIES:

1. THIS PROJECT CONSISTS OF PRELIMINARY PLANS THAT WILL SERVE TO INFORM THE FINAL DESIGN FOR PLANTING, IRRIGATION AND HARDSCAPE IMPROVEMENTS IN A DESIGN BUILD DELIVERY APPROACH.
2. CONSTRUCTION WILL TAKE PLACE WITHIN THE RIGHTS OF WAY FOR THE BOULEVARD OF THE ARTS AND 10" STREET CORRIDORS. BOTH CORRIDORS ARE WITHIN THE JURISDICTION OF THE CITY OF SARASOTA. ACCORDINGLY, THE DESIGN-BUILD TEAM (DB TEAM) MUST ADHERE TO ALL APPLICABLE FEDERAL STATE, AND LOCAL LAWS, RULES, POLICIES AND CODES.
3. GREEN INFRASTRUCTURE ELEMENTS SUCH AS RAIN GARDENS AND BIOSWALES MUST BE INCORPORATED INTO THE DRAINAGE SYSTEM TO THE EXTENT PRACTICABLE.

DESIGN INTENT:

1. BASED ON THE RESULTS FROM THE VISUAL PREFERENCE STUDY THE BOULEVARD OF THE ARTS (BOTA) CORRIDOR IS TO BE THEMED "ARTS AND CULTURE" AND 10" STREET THEMED COASTAL AND AQUATIC. TO THAT END, THE DB TEAM HAS BEEN TASKED WITH THE REFINEMENT OF THESE PLANS CONSISTENT WITH THE THEME, COLOR PALETTE AND GENERAL LAYOUT OF THE ELEMENTS AS SHOWN.
2. THE PLANT PALETTE PROVIDED REPRESENTS A CORE GROUP OF SPECIES THAT HAVE BEEN REQUESTED BY THE CITY AND WHICH HAVE BEEN DETERMINED TO PERFORM WELL WITHIN THIS URBAN CONTEXT. THE LIST IS NOT EXHAUSTIVE AND THE DB TEAM CAN CONSIDER OTHER SPECIES AS THEY DEEM NECESSARY.
3. WHILE THE DB TEAM IS ENCOURAGED TO BE CREATIVE IN THEIR DESIGN APPROACH, TO PROVIDE COHESION, DESIGNS FOR EACH CORRIDOR AND INTERSECTION SHOULD INCLUDE PAVEMENTS, SITE FURNISHINGS, AND PLANT MATERIALS WITHIN AN ESTABLISHED 'FAMILY' AND COLOR PALETTE.
4. THE PAVEMENTS AND SITE FURNISHINGS WHICH HAVE RECENTLY BEEN INSTALLED AT ROSEMARY PARK SHALL INFORM THE DB TEAM WHEN SELECTING THE SAME FOR EACH CORRIDOR.
5. SHADE TREES, AND WHERE RIGHT OF WAY IS RESTRICTED, SHADE STRUCTURES AND/OR SMALL TREES AND PALMS MUST BE UTILIZED LIBERALLY TO MITIGATE THE HEAT-ISLAND EFFECT AND PROVIDE VISUAL INTEREST.
6. ALL NON-PAVED AREAS WILL BE PLANTED WITH TREES, SHRUBS OR GROUNDCOVERS. SOD IS NOT PREFERRED.
7. SIDEWALK PAVEMENT GEOMETRY MUST BE DEVELOPED TO INCORPORATE TREE LOCATIONS, LIGHTING STANDARD LOCATIONS, AND TO THE EXTENT PRACTICABLE, UTILITY SURFACE ELEMENTS (MANHOLE COVERS, VALVE BOXES, ETC.).
8. THE PEDESTRIAN EXPERIENCE AT THE INTERSECTIONS WILL BE ENHANCED BY INCORPORATING DECORATIVE PAVEMENTS, ICONIC SEATING STRUCTURES, AND THE PROVISION OF SHADE.
9. THE APPROACHES TO INTERSECTIONS WILL BE ENHANCED WITH DECORATIVE STREET PAVEMENTS, ICONIC VERTICAL STRUCTURES, AND ENHANCED LIGHTING TO PROMOTE A SAFE SYSTEMS APPROACH TO INTERSECTION DESIGN. IN GENERAL, ALL LANDSCAPE ATTRIBUTES WILL BECOME MORE DENSE WITH ENHANCED LIGHTING, AND HARDSCAPE ELEMENTS AS VEHICLES APPROACH. BY PROVIDING THESE ENHANCED TREATMENTS, MOTORIST ENGAGEMENT IS INCREASED AND THE MOTORIST WILL BE INCLINED TO PROCEED SLOWLY TO AND THROUGH THE INTERSECTION.
10. ART AND CULTURE ARE CORE VALUES OF THE CITY. PRESENTING CONCEPTUAL DESIGNS REPRESENTATIVE OF THE ASSOCIATED SURVEYS IS IMPORTANT; HOWEVER, THE USE OF MATERIALS, COLORS PALLETS, AND DESIGN ELEMENTS FOR BOTH CORRIDORS SHOULD PRIMARILY REFLECT A UNIFIED AND COHESIVE DESIGN.

LANDSCAPE NOTES:

1. A VEGETATION SURVEY WAS NOT PREPARED FOR THIS CONTRACT. STREET TREES WERE ASSESSED AT THE TIME OF PREPARATION OF THESE PLANS. TREES TO REMAIN OR BE RELOCATED ARE SHOWN ON THE PLANS. ALL OTHER ARE TO BE REMOVED. THE DB TEAM MUST PERFORM THEIR OWN ASSESSMENT TO DETERMINE THE VIABILITY OF TREES TO REMAIN, BE RELOCATED OR BE REMOVED.
2. UTILITIES HAVE BEEN DESIGNATED FOR THE PREPARATION OF THESE PLANS HOWEVER, THE DB TEAM MUST PERFORM THEIR OWN DESIGNATIONS AND LOCATES (AS NECESSARY) TO AVOID PLANTING/UTILITY CONFLICTS.
3. RE-USE WATER IS AVAILABLE AND MUST BE THE FIRST SOURCE CONSIDERED FOR IRRIGATION PURPOSES. ALL PLANTINGS MUST RECEIVE SUPPLEMENTARY IRRIGATION.
4. EXISTING SOILS ARE ASSUMED TO BE OF LOW QUALITY FOR PLANT GROWTH. THE DB TEAM WILL ANALYZE REPRESENTATIVE SAMPLES AND REMOVE AND REPLACE, OR ENHANCE IN-SITU SOILS TO ACCEPTABLE HORTICULTURAL STANDARDS.
5. AREAS DISTURBED BY THE DB TEAM WILL BE RESTORED TO THEIR PRE-EXISTING CONDITIONS AT NO ADDITIONAL COST.
6. ALL LANDSCAPE AREAS WILL RECEIVE A UNIFORM APPLICATION OF MULCH TO A MINIMUM THICKNESS OF 3"COMPACTED.
7. MULCH TYPE WILL BE INORGANIC (SHELL OR STONE) TO AVOID FIRE AND OXIDATION.
8. AN IRRIGATION SYSTEM IS PROPOSED FOR THIS PROJECT AS SHOWN IN THE PLANS. THE IRRIGATION SYSTEM MUST BE CAPABLE OF PROVIDING SUPPLEMENTAL WATER DURING PERIODS OF LOW RAINFALL. THE SYSTEM WILL BE FULLY AUTOMATIC AND CAPABLE OF OPERATING AT THE TIME PLANT MATERIALS ARE INSTALLED.

9. ALL PLANT MATERIALS WILL BE PROPERLY HYDRATED AND NOURISHED DURING THE EXTENT OF THE CONTRACT. PROPER HYDRATION IS DEFINED AS KEEPING THE SOIL AT FIELD CAPACITY DURING THE CRITICAL FIRST 3 MONTHS OF ESTABLISHMENT. PROPER NOURISHMENT WILL BE DEFINED AS MAINTAINING FERTILITY LEVELS SUCH THAT THE PLANT MATERIALS SHOW NO SIGNS OF LEAF DEFORMATION NORMALLY ASSOCIATED WITH LACK OF PROPER NOURISHMENT (CHLOROSIS, NECROSIS, LEAF SPOTS, FRIZZLE TOP, ETC.)
10. REQUIRED SUBMITTALS:
  - A. UNIT COST PRICE BREAKDOWN FOR ALL MATERIALS PRIOR TO RELEASE FOR CONSTRUCTION
  - B. PRODUCT CUT SHEETS, SAMPLES OR MATERIAL MAKE UP OF ALL MATERIALS AND PRODUCTS SPECIFIED PRIOR TO RELEASE FOR CONSTRUCTION INCLUDING BUT NOT LIMITED TO:
    1. SOIL MIX
    2. SOIL AMENDMENTS
    3. FERTILIZER
    4. PRE-EMERGENT HERBICIDE
    5. MULCH

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REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	GENERAL NOTES  (LANDSCAPE)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				2

10TH STREET  
THEME AND COLOR PALETTE  
COASTAL & AQUATIC



Based on the results from the Visual Preference Study the 10TH Street corridor is to be themed "Coastal and Aquatic". To that end, the design of the hardscape elements will be proposed with elements representative of the coastal aquatic environment in the preferred color scheme. Colors will be "muted and sophisticated"




SCHEDULE NO.	DESCRIPTION	SPECIFICATION
1	SIDEWALKS	<p>Sidewalks will be integrally colored, 4" depth (6" at driveways) with uniform color and texture throughout the corridor. Scoring and joint pattern to align with tree grates and lighting standards in modular fashion.</p>
2	PEDESTRIAN LANDING	<p>In order to enhance pedestrian safety and establish sense-of-place, each intersection will be developed with enhanced pedestrian landing zones and decorative street pavements. The landing zones will have enhanced lighting (2 Ft Candles), enhanced landscape plantings, seating, shade, banners or other vertical design elements when feasible. The pavements will be integrally colored concrete with unique colors, textures and scoring patterns representative of the Coastal and Aquatic theme.</p>
3	RAIN GARDEN/BIOSWALE	<p>Rain Gardens will be site-built, 6" concrete walls, minimum of 80 SF, with 24" depth of well-drained soil fill. Each unit will include a trash separator at the inlet. Plantings will consist of herbaceous and woody emergent species. Bioswales will be organic in design. Where feasible, they will incorporate form, structure and seating.</p>

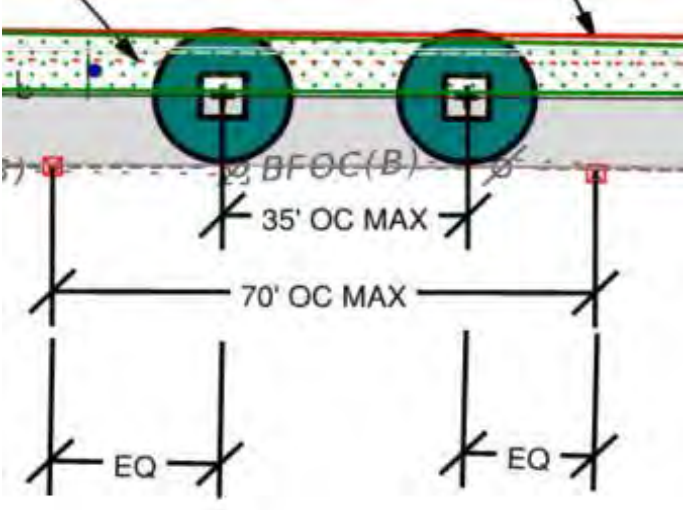

REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	LANDSCAPE SCHEDULE	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION				

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SCHEDULE NO.	DESCRIPTION	SPECIFICATION
4	SHADE STRUCTURE	  <p>Shade structures will be utilized where street trees cannot be planted. They are to be constructed of a combination of materials (steel, glass, wood). provide 9' of vertical clearance, Provide 100 SF of shade surface, and include flowering vines. The shade structures must be designed in concert with the Coastal Aquatic theme.</p>



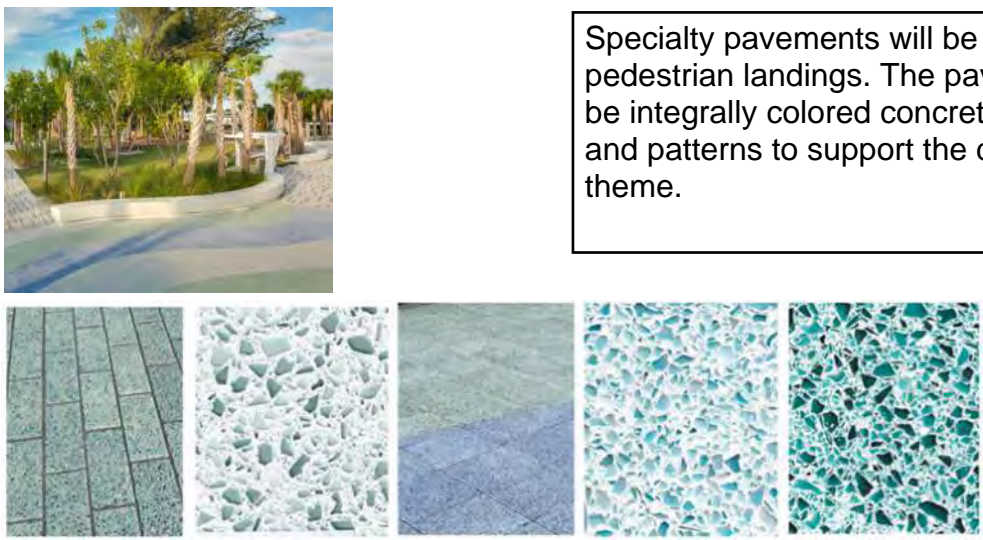
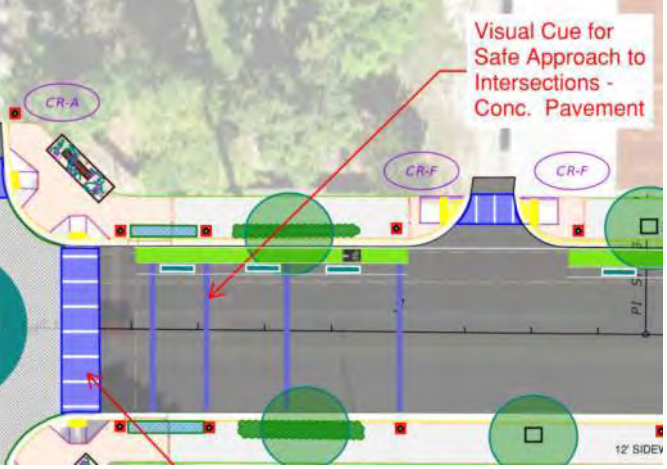

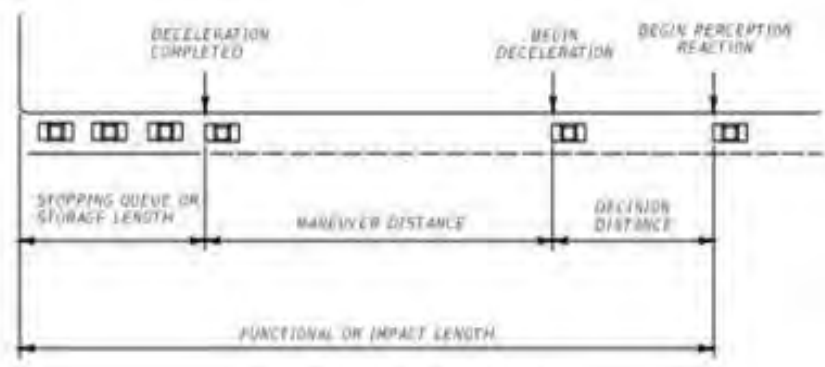
5	SEATING	   <p>Seating will be provided at each of the quadrants of all intersections and along the corridor where feasible. They may be site-built or modular contemporary style with wood slats.</p>
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6	STREET TREES W/ ROOT VAULTS AND PAVER GRATE	  <p>Street Trees will be provided with a maximum spacing of 35' when feasible. Each tree will be Florida Number 1 quality and of sufficient size to allow for limbing-up to meet ADA standards. Trees will be installed with root vaults. The minimum root zone soil volume will be 1000 cubic feet at a depth of 30". The contractor will work with The City to determine the most appropriate materials for tree wells.</p>
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DATE	DESCRIPTION	DATE	DESCRIPTION				
							4

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SCHEDULE NO.	DESCRIPTION	SPECIFICATION
7	SPECIALITY PAVEMENT	   <div data-bbox="2331 151 2937 393" style="border: 1px solid black; padding: 5px;"> <p>Specialty pavements will be utilized at pedestrian landings. The pavement will be integrally colored concrete with color and patterns to support the design theme.</p> </div>
8	SAFE APPROACH TO INTERSECTIONS	  <div data-bbox="1724 725 2533 1239"> <p><b>Figure 212.4.3 Elements of the Functional Area</b></p>  <p>Ref: Figure 9-3, 2018 AASHTO Green Book</p> </div> <div data-bbox="2548 715 2968 1260" style="border: 1px solid black; padding: 5px;"> <p>The DB Firm will use a safe systems approach to intersections and speed management within the functional area. Designs must include visual cues (decorative pavements, cross-lane linear markers, vertical markers, enhanced lighting and landscaping) which are intended to increase driver engagement when approaching intersections.</p> </div>

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BOULEVARD OF ARTS  
THEME AND COLOR PALETTE  
ARTS & CULTURE



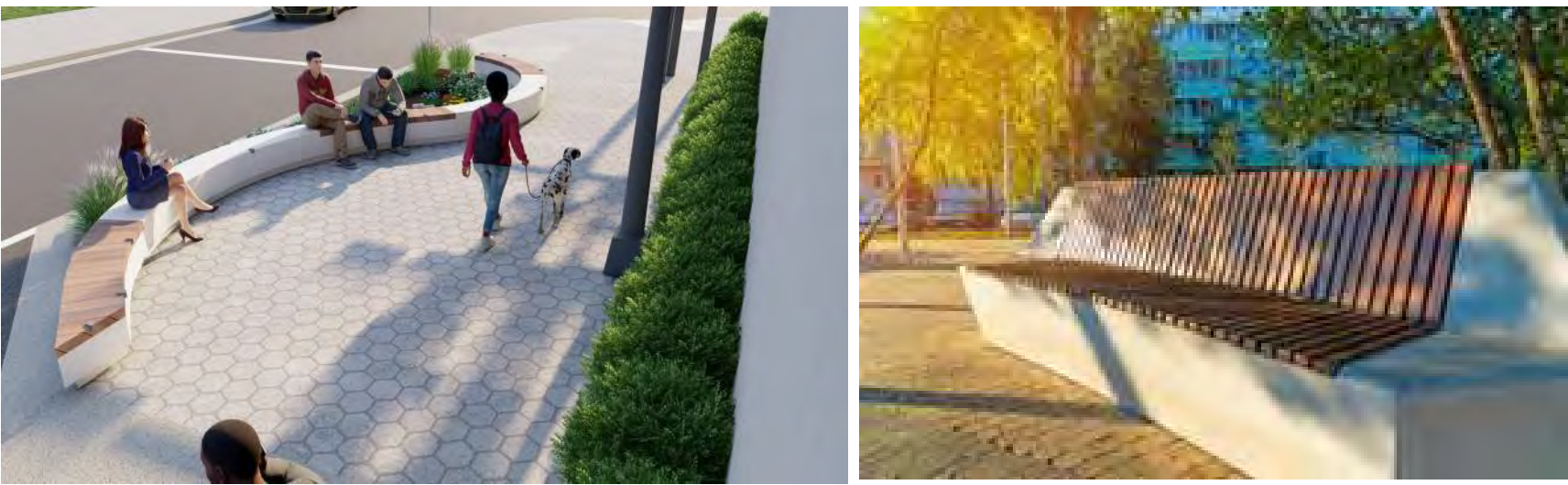
Based on the results from the Visual Preference Study, The BoTA corridor is to be themed "Arts and Culture" To that end, the design of the hardscape elements will be designed in an artistic genre within the preferred color scheme. Colors will be "muted and sophisticated"

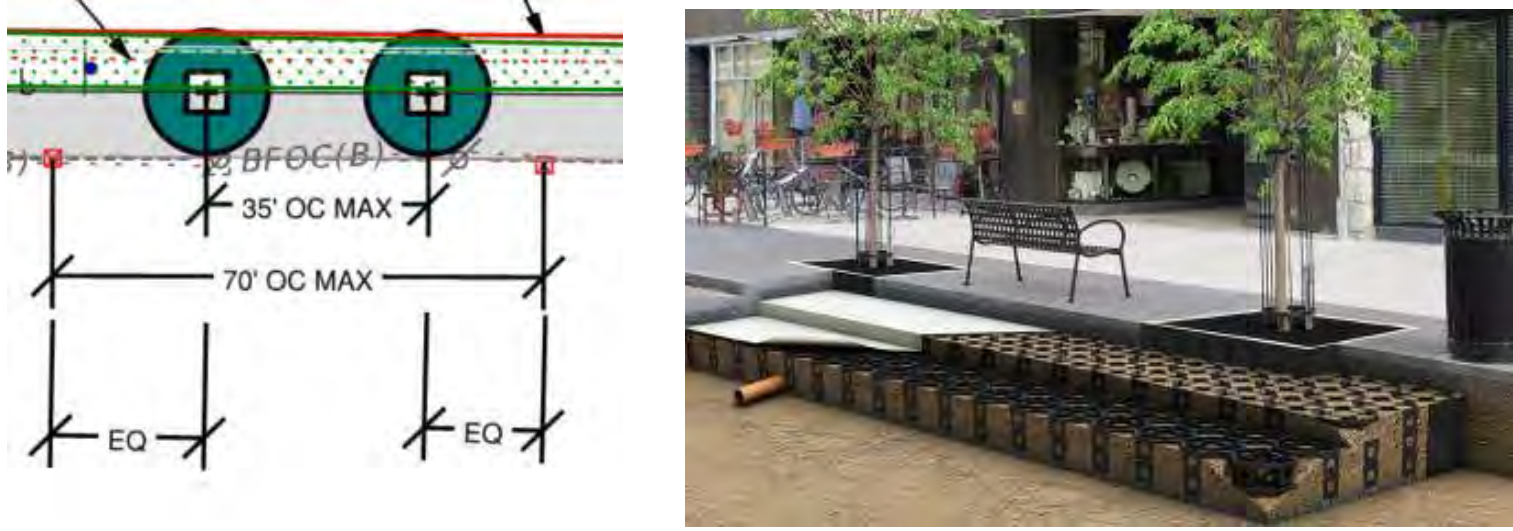
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1	SIDEWALKS	<p>Sidewalks will be integrally colored, 4" depth (6" at driveways) with uniform color and texture throughout the corridor. Scoring and joint pattern to align with tree grates and lighting standards in modular fashion.</p>
2	PEDESTRIAN LANDING	<p>In order to enhance pedestrian safety and establish sense-of-place, each intersection will be developed with enhanced pedestrian landing zones and decorative street pavements. The landing zones will have enhanced lighting (2 Ft Candles), enhanced landscape plantings, seating, shade, banners or other vertical design elements when feasible. The pavements will be integrally colored concrete with unique colors, textures and scoring patterns representative of the Arts and Culture theme.</p>
3	RAIN GARDEN	<p>Rain Gardens will be site-built, 6" concrete walls, minimum of 80 SF, with 24" depth of well-drained soil fill. Each unit will include a trash separator at the inlet. Plantings will consist of herbaceous and woody emergent species. Where feasible, they will incorporate form, structure and seating.</p>

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DATE	DESCRIPTION	DATE	DESCRIPTION				6



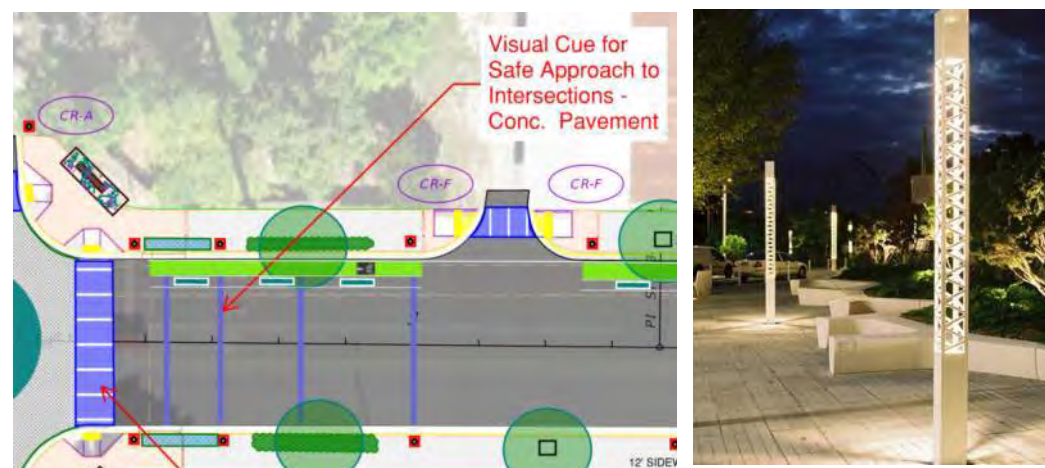
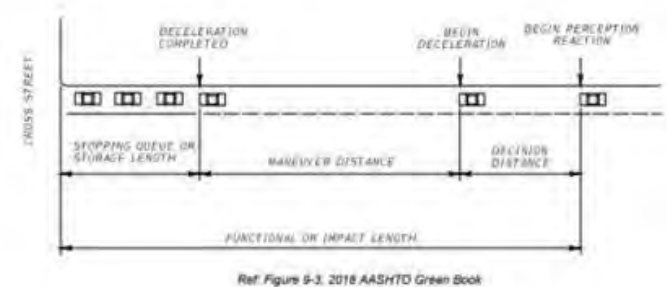
SCHEDULE NO.	DESCRIPTION	SPECIFICATION
4	SHADE STRUCTURE	 <p>Shade structures will be utilized where street trees cannot be planted. They are to be constructed of a combination of materials (steel, glass, wood). provide 9' of vertical clearance, Provide 100 SF of shade surface, and include flowering vines. The shade structures must be designed in concert with the Arts and Culture theme.</p>

5	SEATING	 <p>Seating will be provided at each of the quadrants of all intersections and along the corridor where feasible. Intersection seating must provide enough space for 8 adults. They may be site-built or modular, contemporary style with wood slats.</p>
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6	STREET TREES W/ROOT VAULTS AND PAVEMENT GRATE	 <p>Street Trees will be provided with a maximum spacing of 35' when feasible. Each tree will be Florida Number 1 quality and of sufficient size to allow for limbing-up to meet ADA standards. Trees will be installed with root vaults. The minimum root zone soil volume will be 1000 cubic feet at a depth of 30". The contractor will work with The City to determine the most appropriate materials for tree wells.</p>
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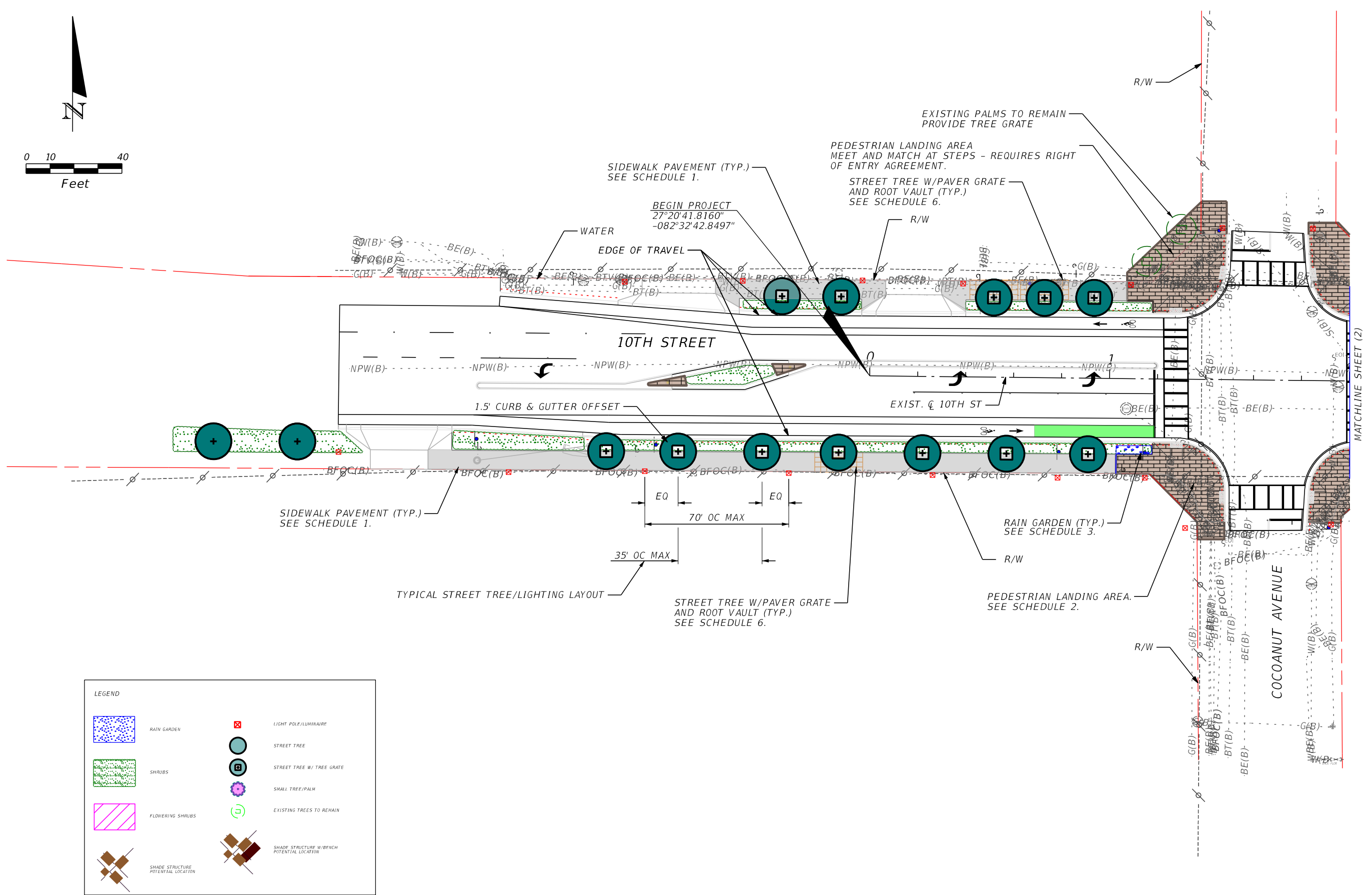
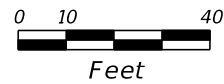
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SCHEDULE NO.	DESCRIPTION	SPECIFICATION
7	SAFE APPROACH TO INTERSECTIONS	 <p>Visual Cue for Safe Approach to Intersections - Conc. Pavement</p> <p>Figure 212.4.3 Elements of the Functional Area</p>  <p>Ref: Figure 9-3, 2018 AASHTO Green Book</p> <p>The DB Firm will use a safe systems approach to intersections and speed management within the functional area. Designs must include visual cues (decorative pavements, cross-lane linear markers, vertical markers, enhanced lighting and landscaping) which are intended to increase driver engagement when approaching intersections.</p>

REVISIONS					CITY OF SARASOTA	LANDSCAPE SCHEDULE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		10TH STREET & BOULEVARD OF THE ARTS		8
				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352			

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LEGEND	
	RAIN GARDEN
	SHRUBS
	FLOWERING SHRUBS
	SHADE STRUCTURE POTENTIAL LOCATION
	LIGHT POLE/LUMINAIRE
	STREET TREE
	STREET TREE W/ TREE GRATE
	SMALL TREE/PALM
	EXISTING TREES TO REMAIN
	SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

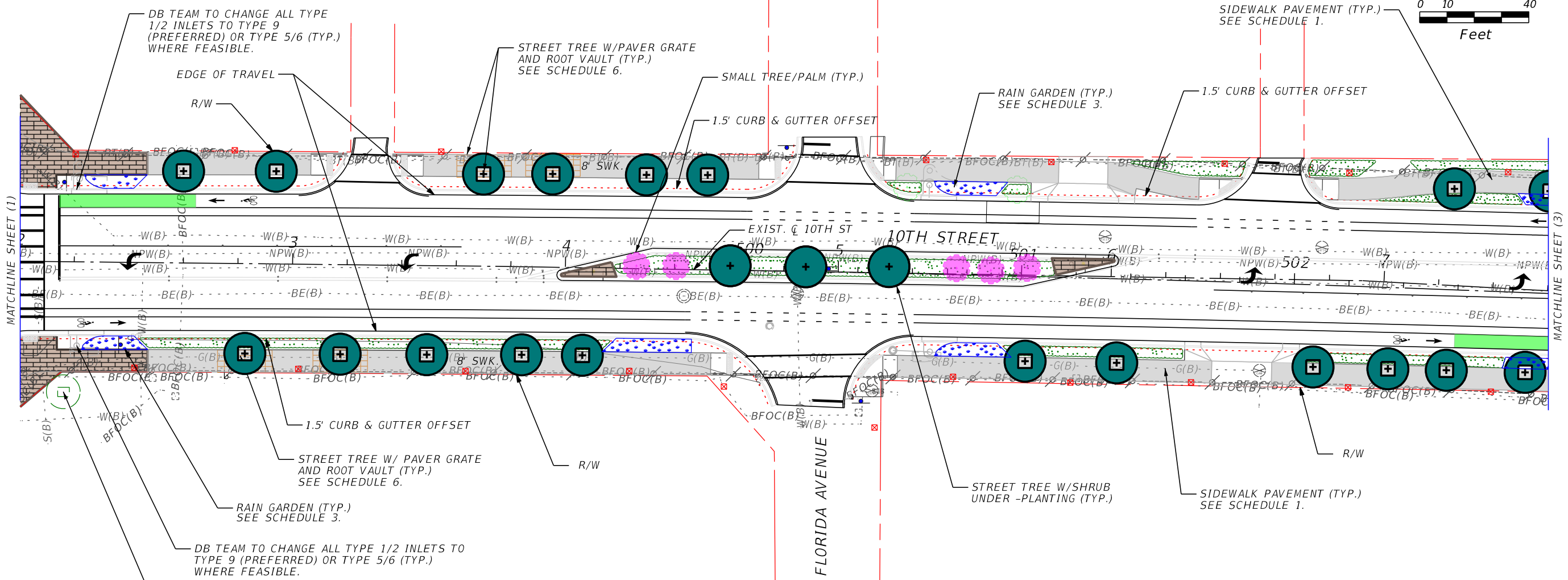
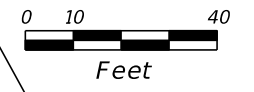
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
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CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (1)  
 SHEET NO. 9

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LEGEND	
	RAIN GARDEN
	SHRUBS
	FLOWERING SHRUBS
	SHADE STRUCTURE POTENTIAL LOCATION
	LIGHT POLE/LUMINAIRE
	STREET TREE
	STREET TREE W/ TREE GRATE
	SMALL TREE/PALM
	EXISTING TREES TO REMAIN
	SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

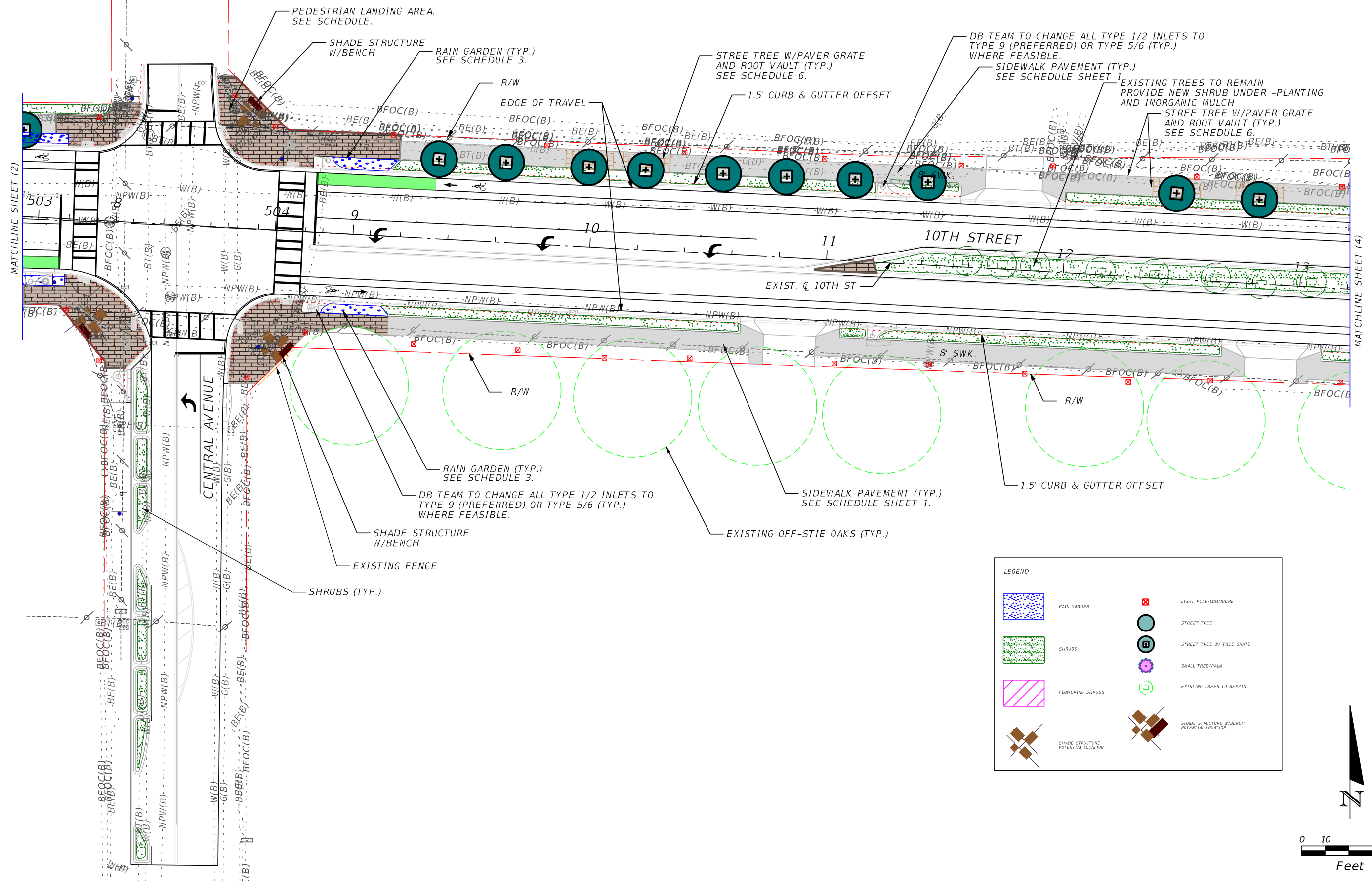
HNTB CORPORATION  
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 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
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PLAN SHEET (2)  
 SHEET NO.  
 10

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**LEGEND**

	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

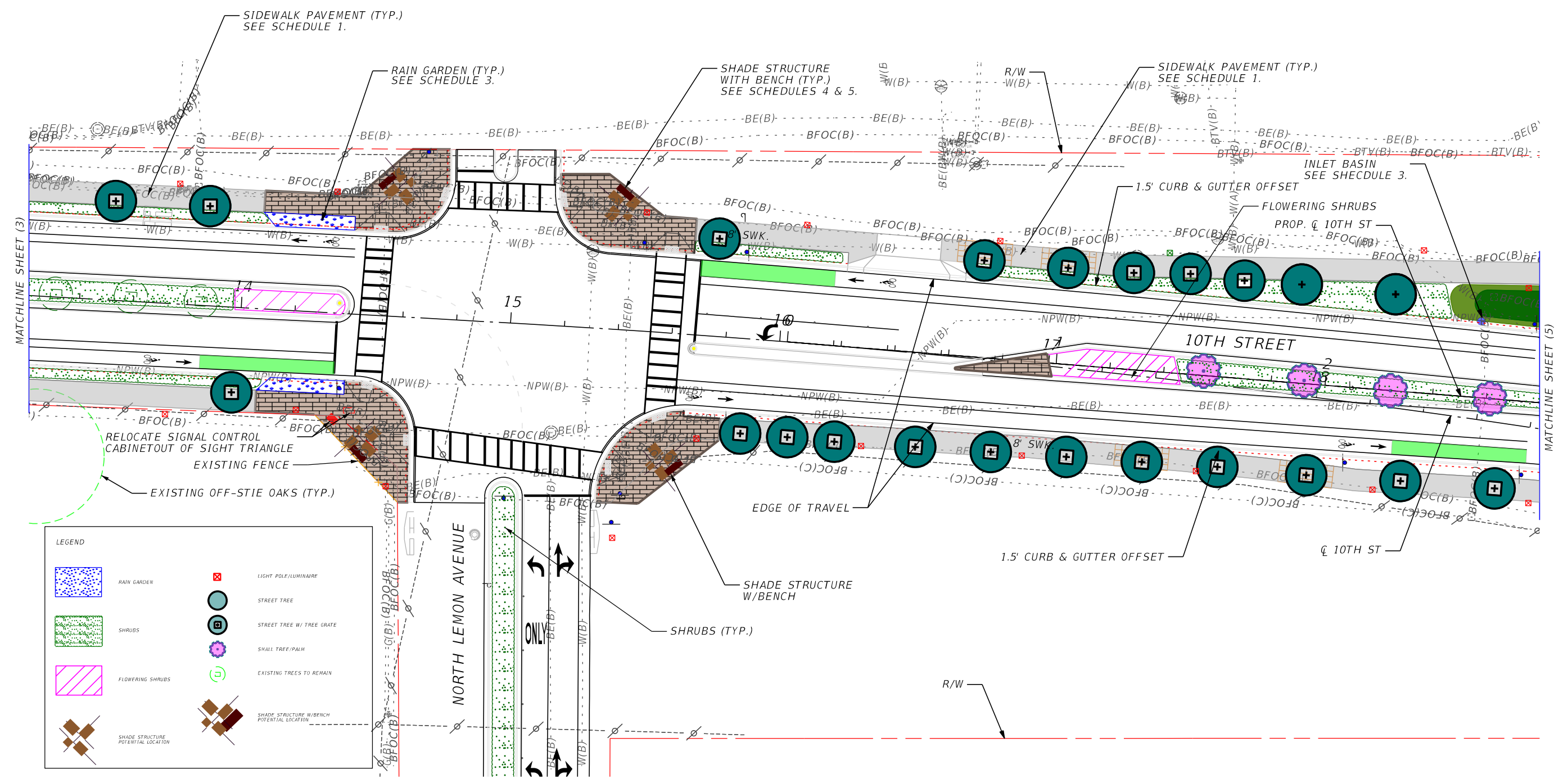
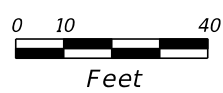
REVISIONS			
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CITY OF SARASOTA  
 10TH STREET &  
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PLAN SHEET (3)  
 SHEET NO.  
 11

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**LEGEND**

	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
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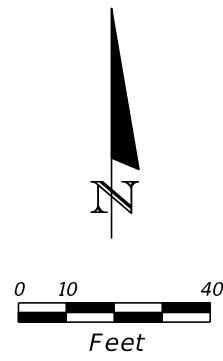
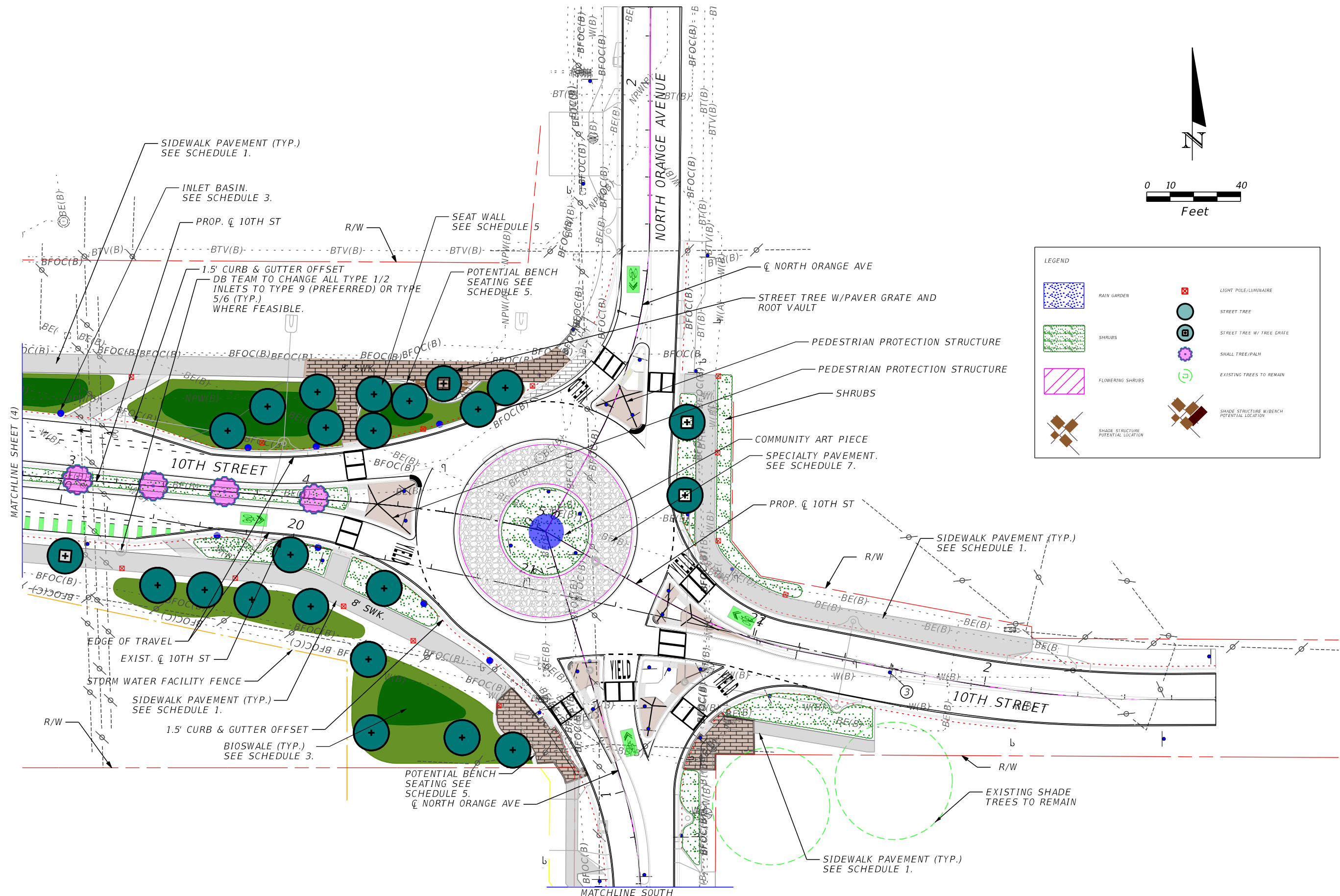
CITY OF SARASOTA  
 10TH STREET &  
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PLAN SHEET (4)

SHEET NO.  
 12

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**LEGEND**

	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067

CHRISTOPHER KELLER, P.L.A. NO 00001352

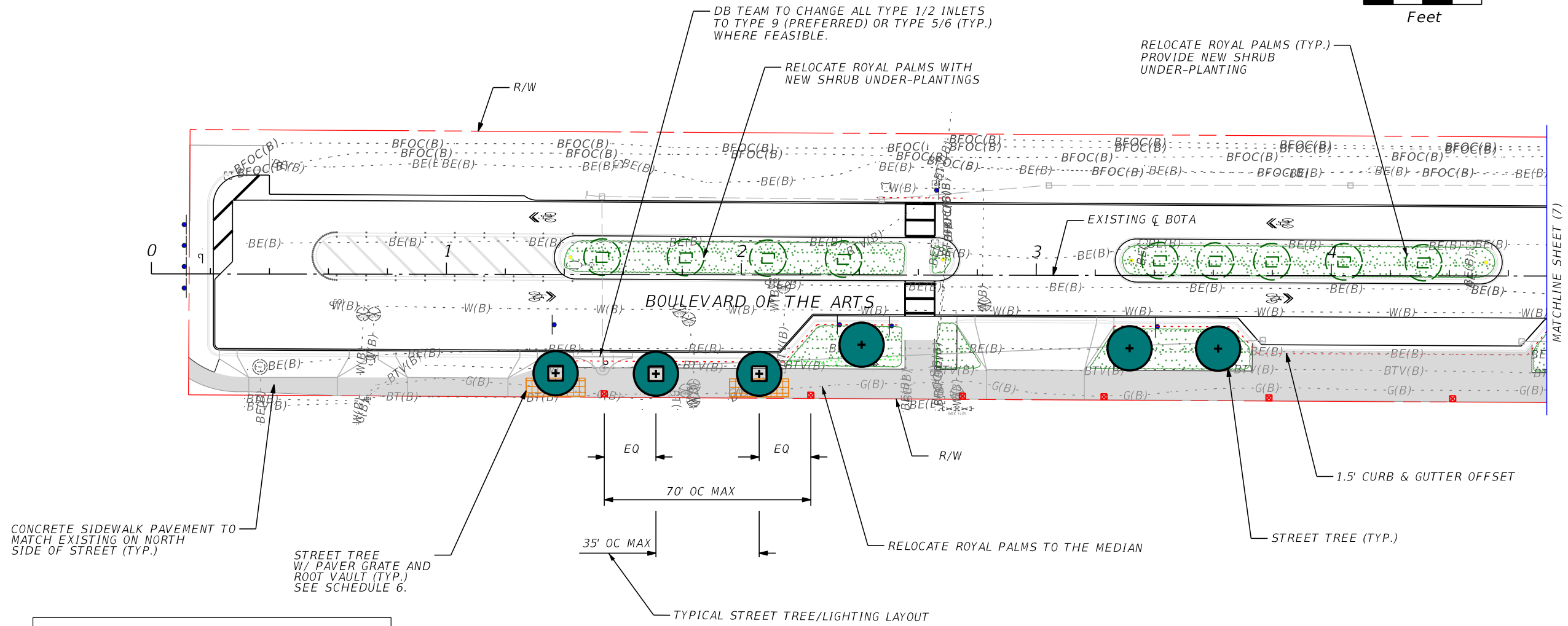
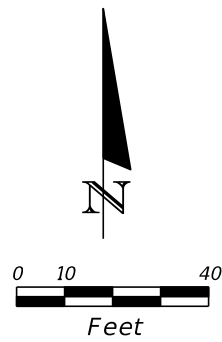
**CITY OF SARASOTA**

**10TH STREET & BOULEVARD OF THE ARTS**

**PLAN SHEET (5)**

SHEET NO.  
**13**

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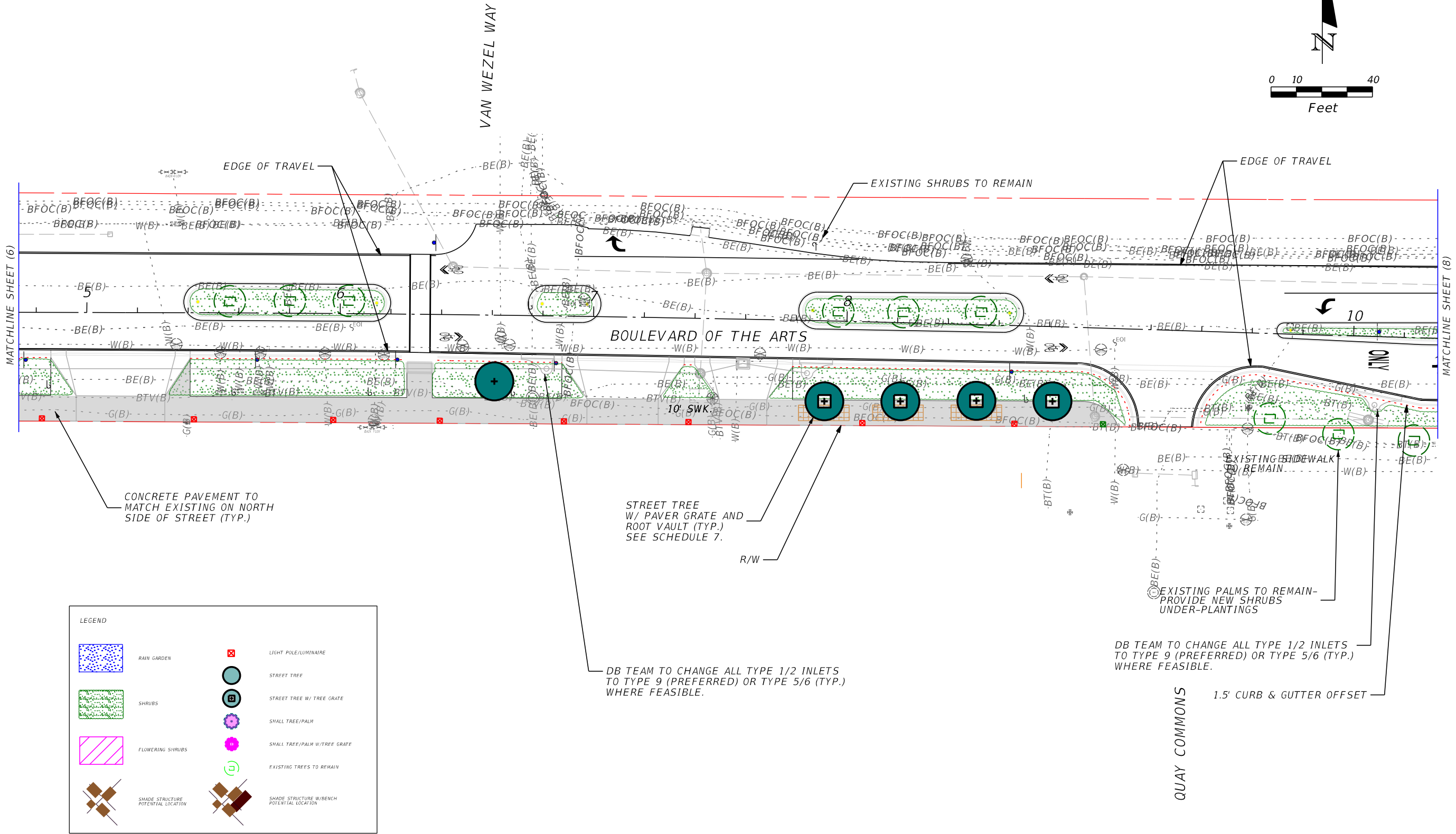
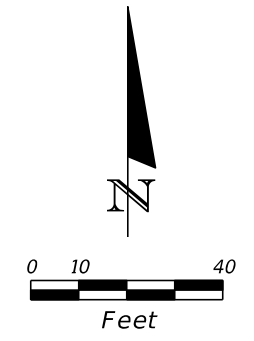


LEGEND			
	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			SMALL TREE/PALM W/TREE GRATE
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	PLAN SHEET (6)	SHEET NO.  14
DATE	DESCRIPTION	DATE	DESCRIPTION				

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**LEGEND**

	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			SMALL TREE/PALM W/TREE GRATE
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

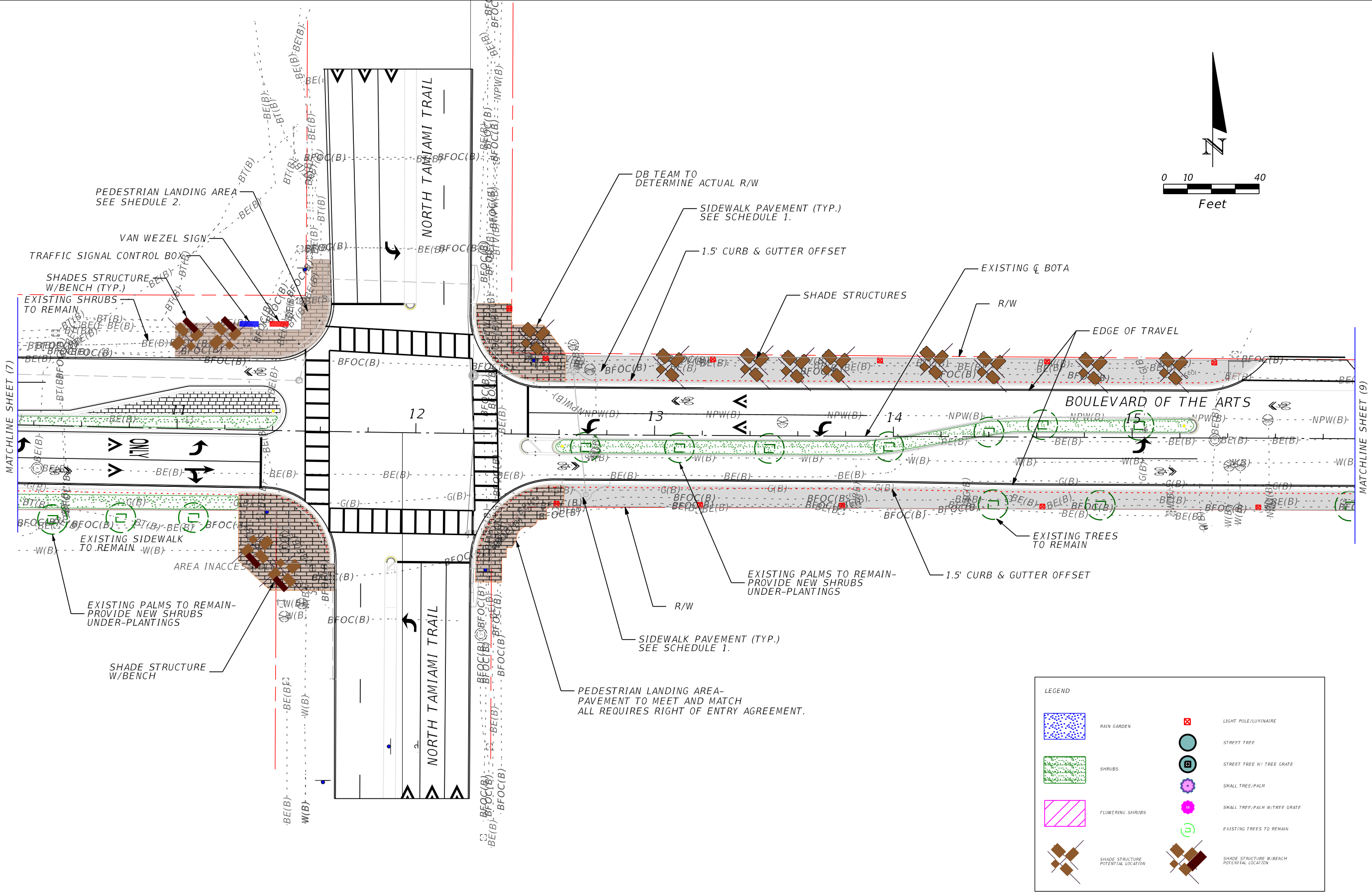
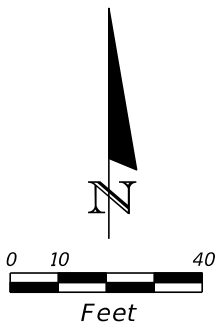
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (7)  
 15

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**LEGEND**

	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			SMALL TREE/PALM W/TREE GRATE
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067

CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA

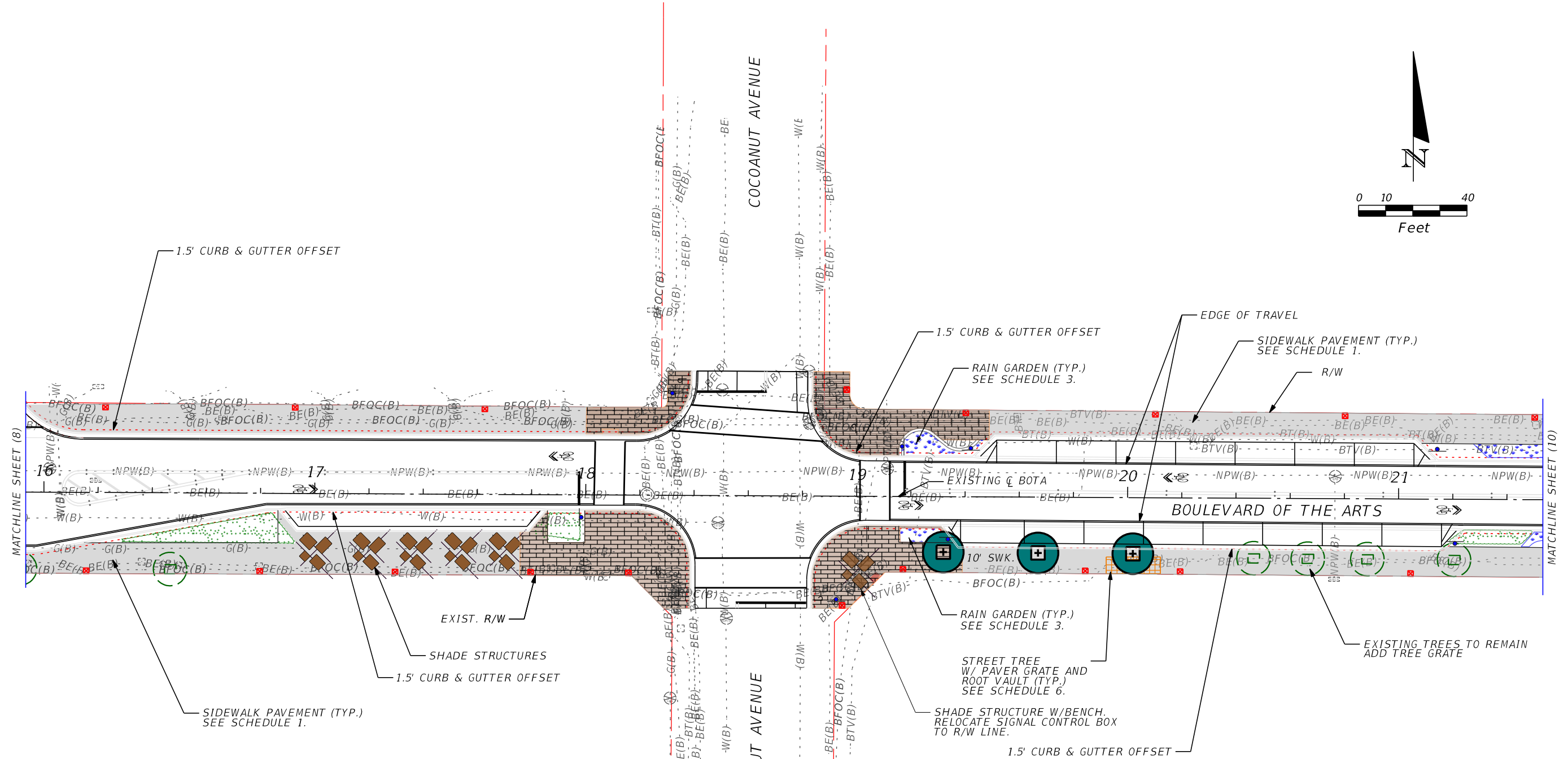
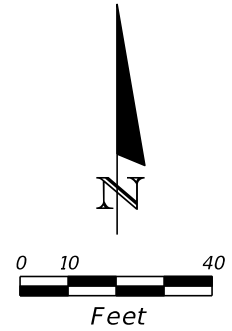
10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (8)

SHEET NO.  
 16

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LEGEND			
	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			SMALL TREE/PALM W/TREE GRATE
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

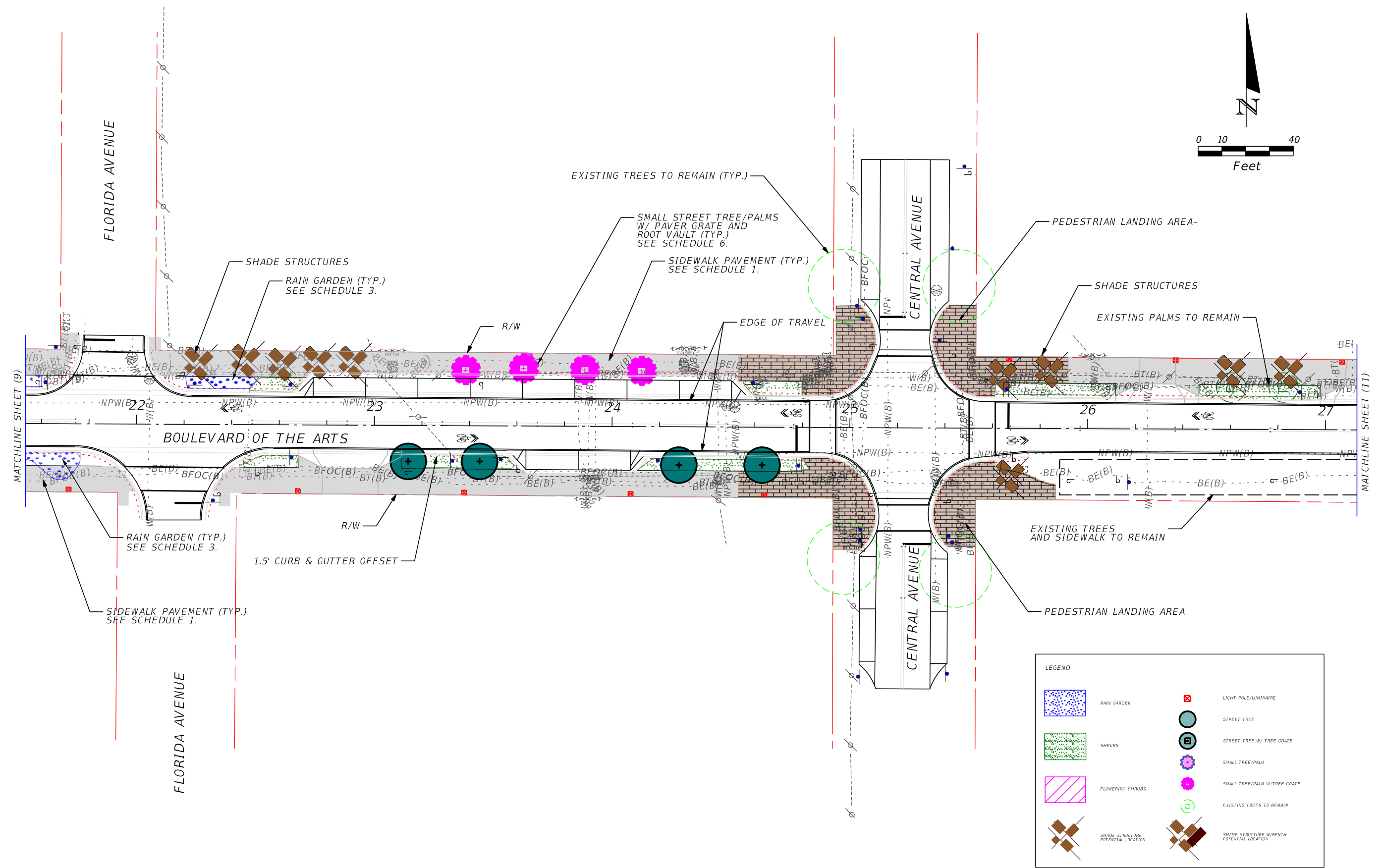
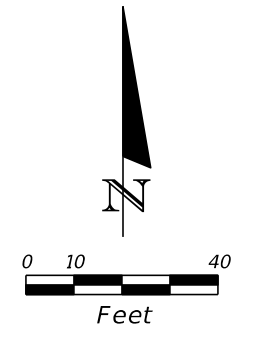
HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (9)  
 17

SHEET NO.  
 17

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LEGEND			
	RAIN GARDEN		LIGHT POLE/LUMINAIRE
	SHRUBS		STREET TREE
	FLOWERING SHRUBS		STREET TREE W/ TREE GRATE
	SHADE STRUCTURE POTENTIAL LOCATION		SMALL TREE/PALM
			SMALL TREE/PALM W/TREE GRATE
			EXISTING TREES TO REMAIN
			SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

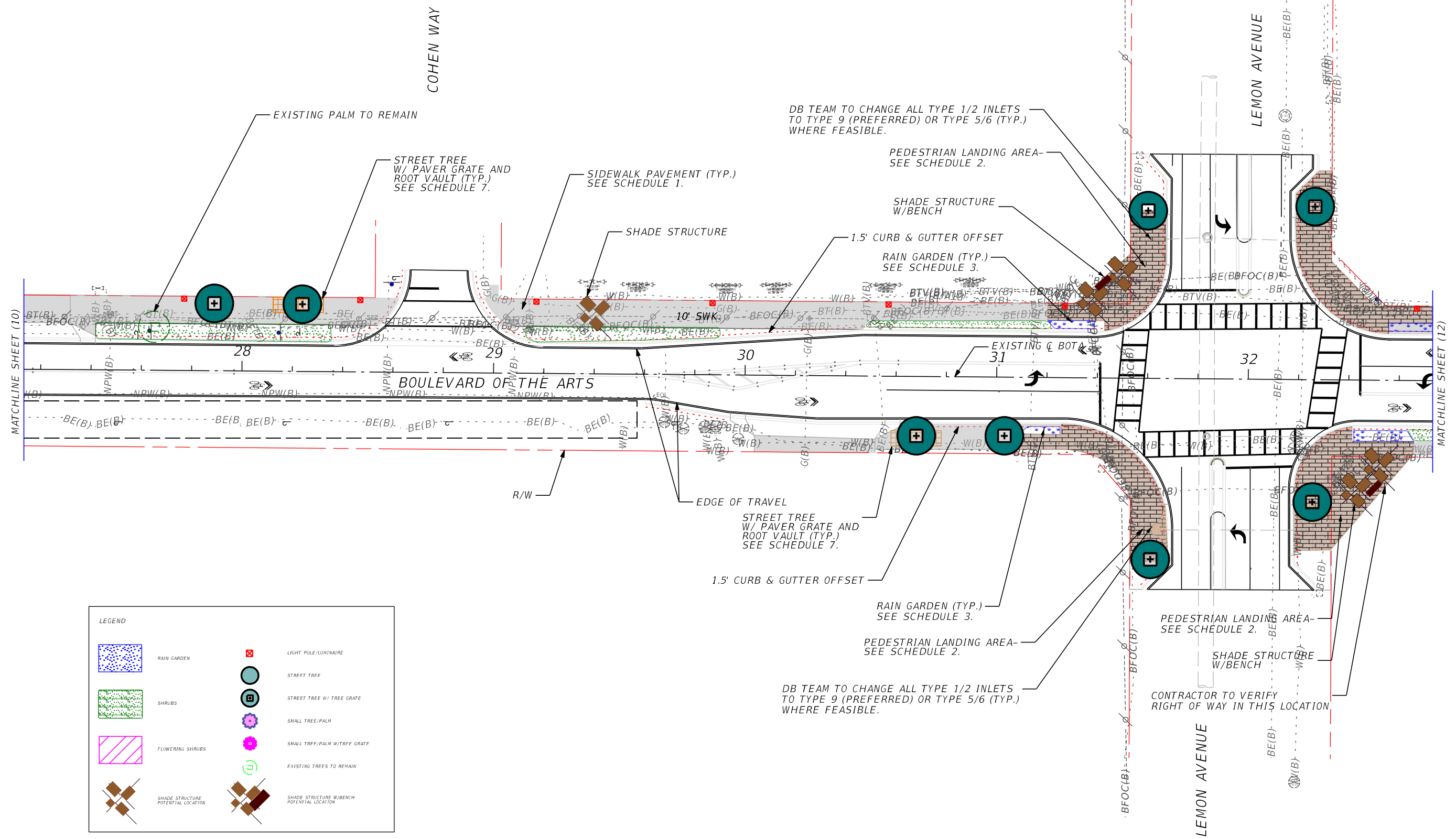
CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (10)

SHEET NO.  
 18

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.





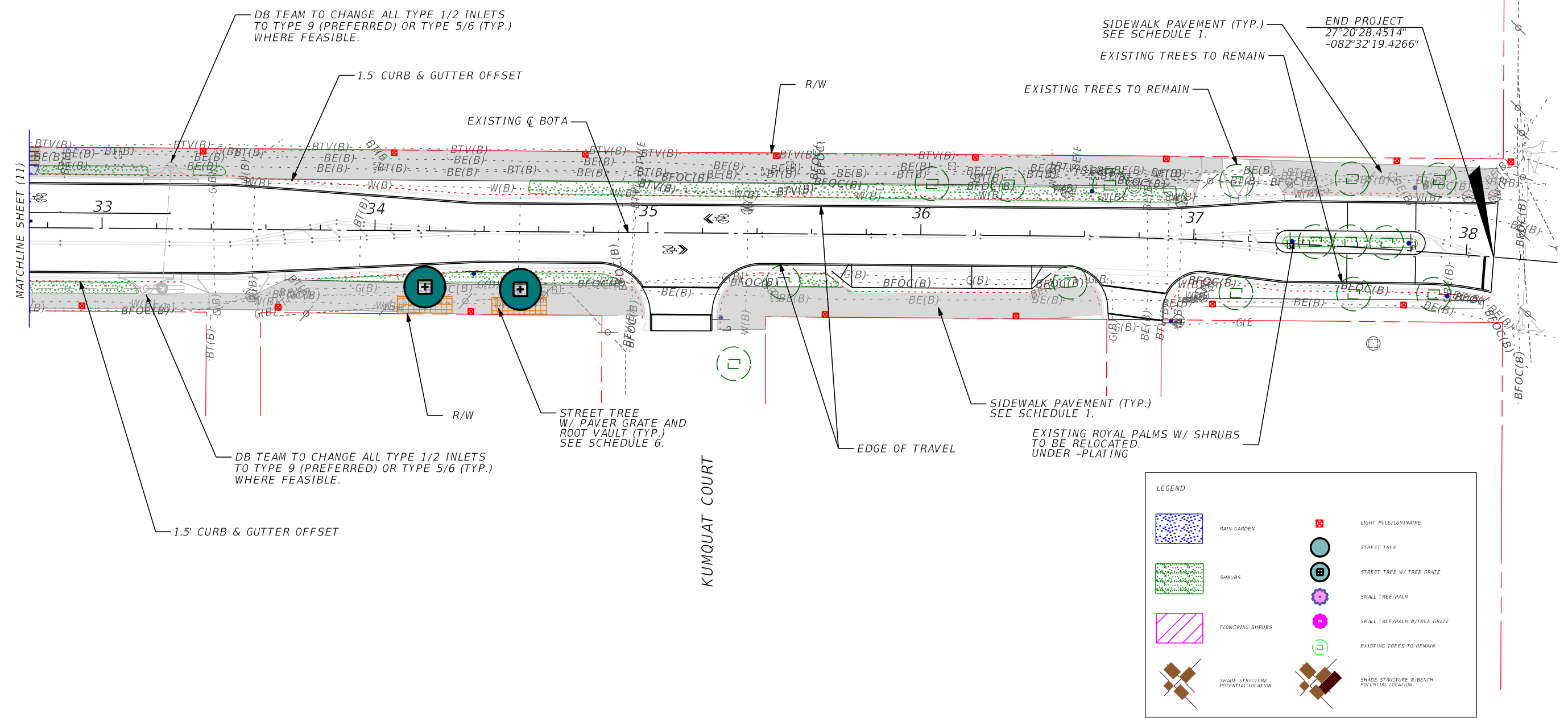
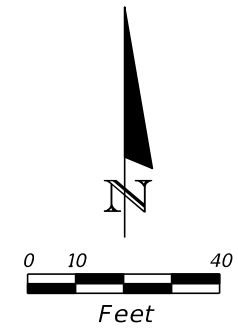
LEGEND	
	RAIN GARDEN
	SHRUBS
	FLOWERING SHRUBS
	SHADE STRUCTURE POTENTIAL LOCATION
	LIGHT POLE/LUMINAIRE
	STREET TREE
	STREET TREE W/ TREE GRATE
	SMALL TREE/PALM
	SMALL TREE/PALM W/TREE GRATE
	EXISTING TREES TO REMAIN
	SHADE STRUCTURE W/BENCH POTENTIAL LOCATION

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (11)  
 SHEET NO.  
 19



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

PLAN SHEET (12)

SHEET NO.  
 20

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PLANT PALETTE - SHRUBS

Indian Hawthorne - *Rhaphiolepis indica*



Florida Coontie - *Zamia pumila*



Carissa – *Carissa macrocarpa*



Green Island Ficus – *Ficus microcarpa*



REVISIONS				CITY OF SARASOTA		PLANT PALLET (SHEET 1 OF 7)	SHEET NO.  21
DATE	DESCRIPTION	DATE	DESCRIPTION	10TH STREET & BOULEVARD OF THE ARTS			
				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352			

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PLANT PALETTE - SHRUBS

Bird of Paradise – Strelitzia ssp



Cardboard Palm - Zamia furferacea



Pineapple Guava – Feijoa sellowiana



REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	PLANT PALLET (SHEET 2 OF 7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				22

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PLANT PALETTE – RAINGARDEN/BIOSWALE

Fresh Water Rush- *Juncus* ssp



Florida Canna Lilly - *Canna flaccida* Salibs



Florida String Lilly - *Crinum americanum*



Marsh Marigold – *Caltha palustris*



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DATE	DESCRIPTION	DATE	DESCRIPTION				23

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PLANT PALETTE – RAINGARDEN/BIOSWALE

Wetland Grasses – *Spartina* ssp



Pickerel Weed – *Pontederia cordata*



Steeple Bush – *Spirea tomentosa*



Paurotis Palm – Everglades Fan Palm



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DATE	DESCRIPTION	DATE	DESCRIPTION		10TH STREET & BOULEVARD OF THE ARTS			24

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PLANT PALETTE – STREET TREES

Cathedral Live Oak - Quercus virginiana 'Cathedral'



Black Olive – Terminalia buceras



Gumbo Limbo – Bursera simaruba



REVISIONS				CITY OF SARASOTA		PLANT PALLET (SHEET 5 OF 7)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	10TH STREET & BOULEVARD OF THE ARTS			25
				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352			

PLANT PALETTE – PALMS

Cabbage Palm - Sabal palmetto



Bismarck Palm – Bismarckia nobilis



Adonidia merrillii – Christmas Palm



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DATE	DESCRIPTION	DATE	DESCRIPTION				26

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PLANT PALETTE – PALMS

MacArthur Palm - *Ptychosperma macarthurii*



Thatch Palm – *Thrinax radiata*



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DATE	DESCRIPTION	DATE	DESCRIPTION		10TH STREET & BOULEVARD OF THE ARTS			27

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RAIN GARDEN W/CUSTOM SEAT WALL



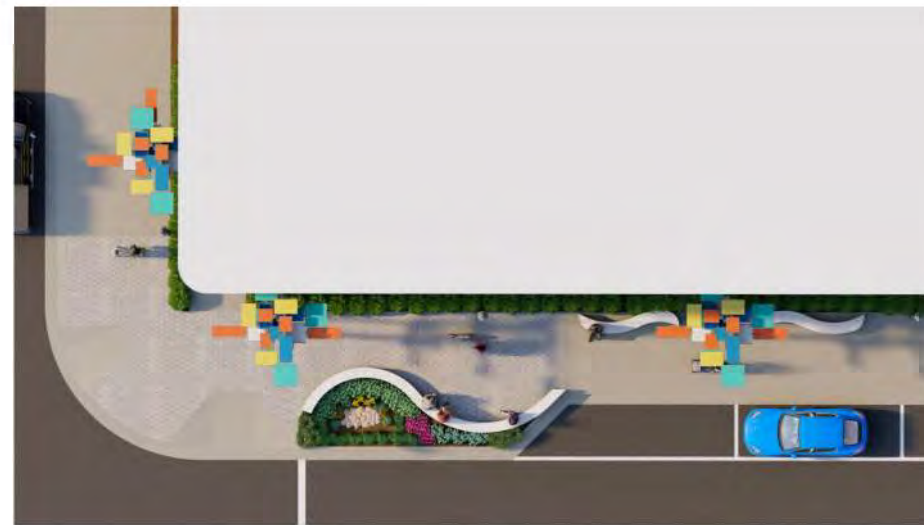
CUSTOM SEAT WALL AND SPECIALTY PAVEMENT



RAIN GARDEN W/CUSTOM SEAT WALL



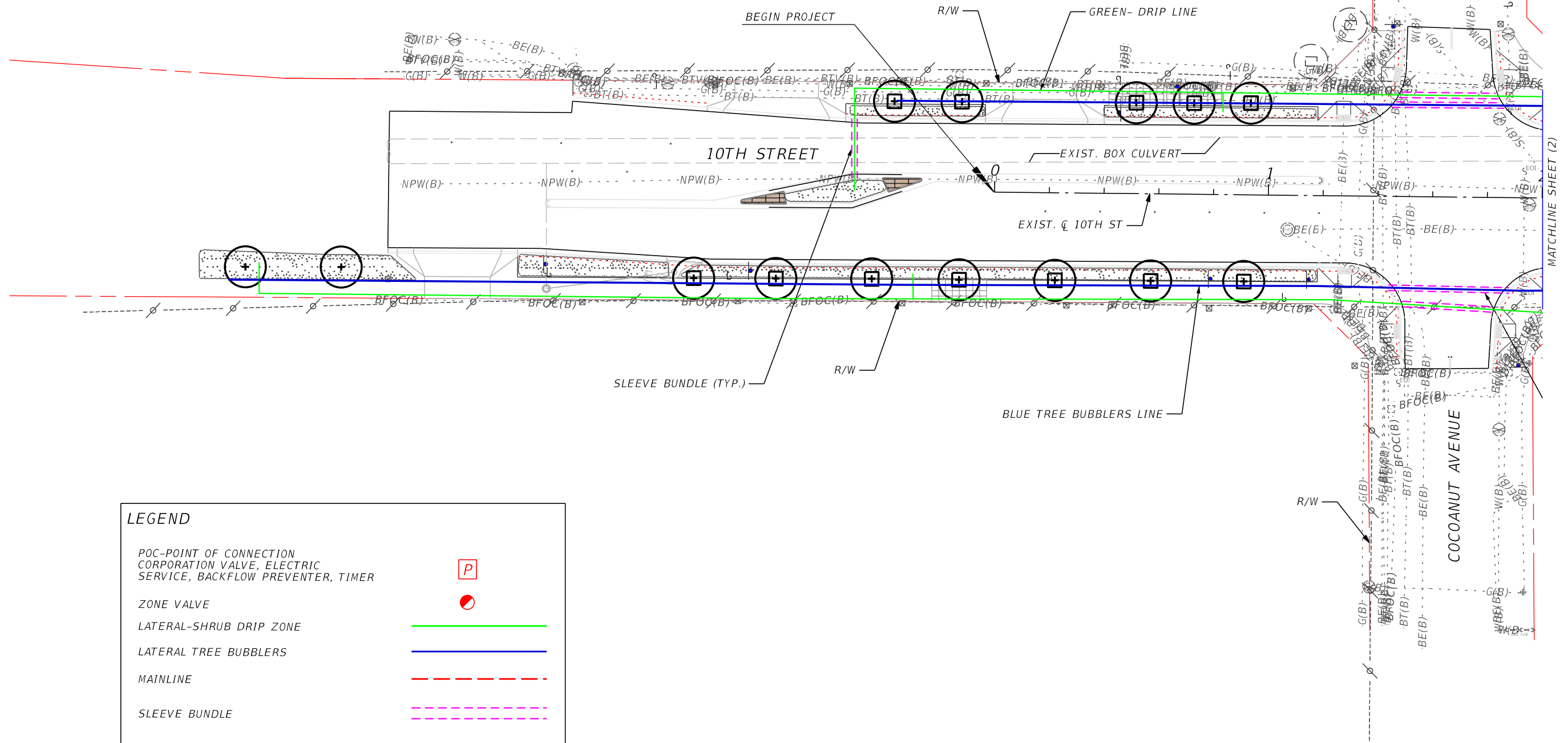
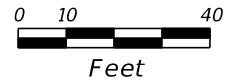
PEDESTRIAN LANDING W/SPECIALTY PAVEMENT, SEAT WALL, RAIN GARDEN AND SHADE STRUCTURES



PEDESTRIAN LANDING-PLAN VIEW

REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	LANDSCAPE DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				28





LEGEND	
POC-POINT OF CONNECTION CORPORATION VALVE, ELECTRIC SERVICE, BACKFLOW PREVENTER, TIMER	[ P ]
ZONE VALVE	●
LATERAL-SHRUB DRIP ZONE	—
LATERAL TREE BUBBLERS	—
MAINLINE	- - -
SLEEVE BUNDLE	- - -

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

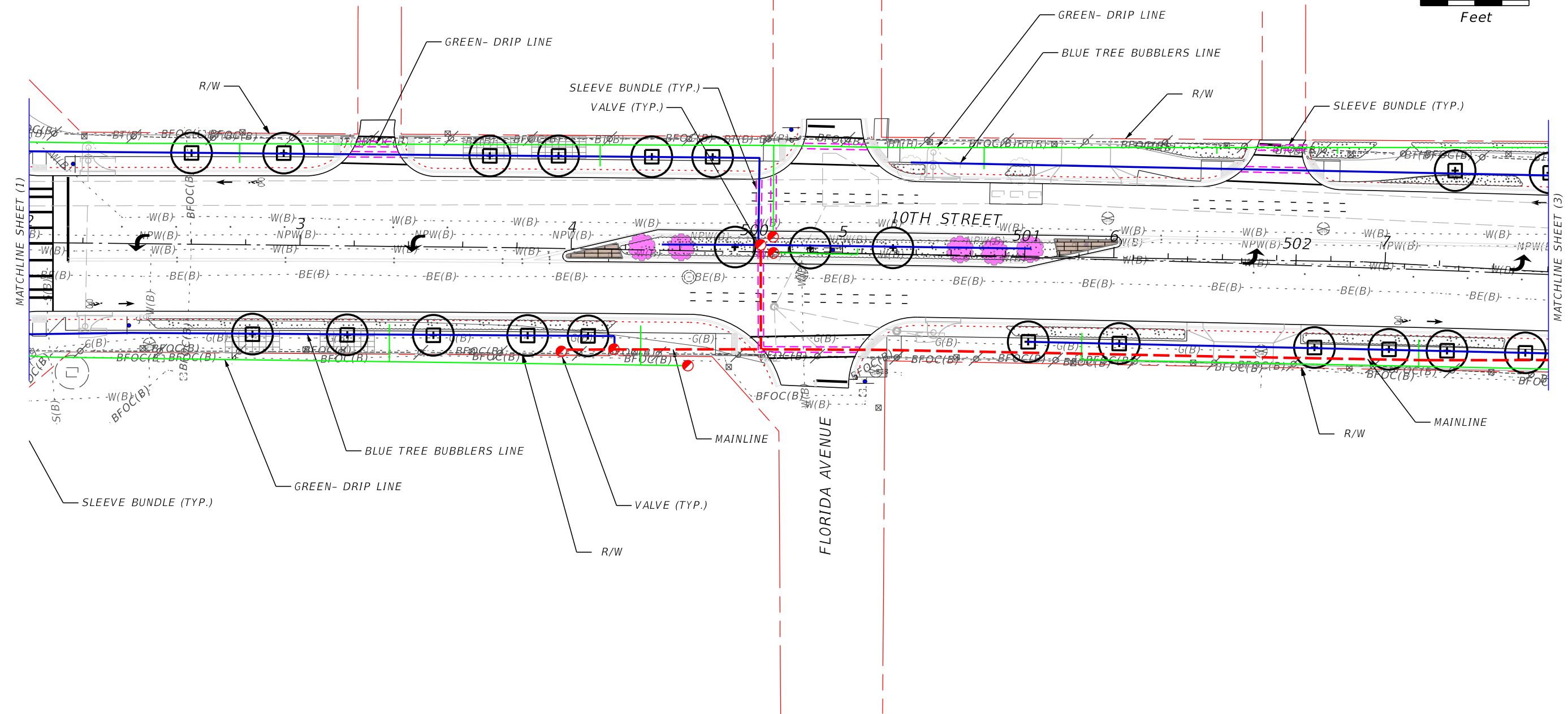
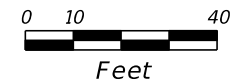
HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

**CITY OF SARASOTA**  
**10TH STREET &  
 BOULEVARD OF THE ARTS**

**IRRIGATION PLAN SHEET (1)**

SHEET  
 NO.  
**29**

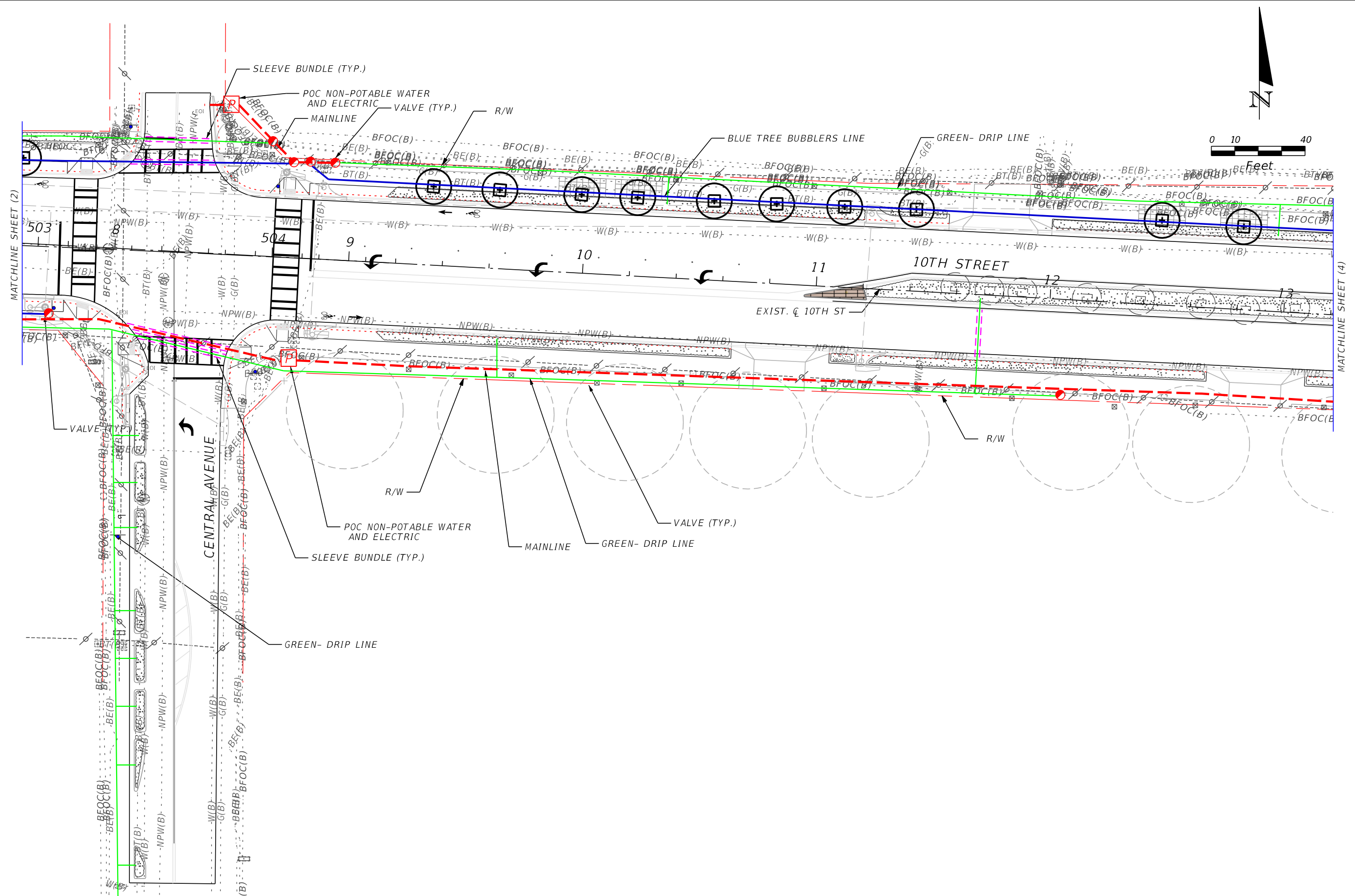
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DATE	DESCRIPTION	DATE	DESCRIPTION				30

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REVISIONS	
DATE	DESCRIPTION

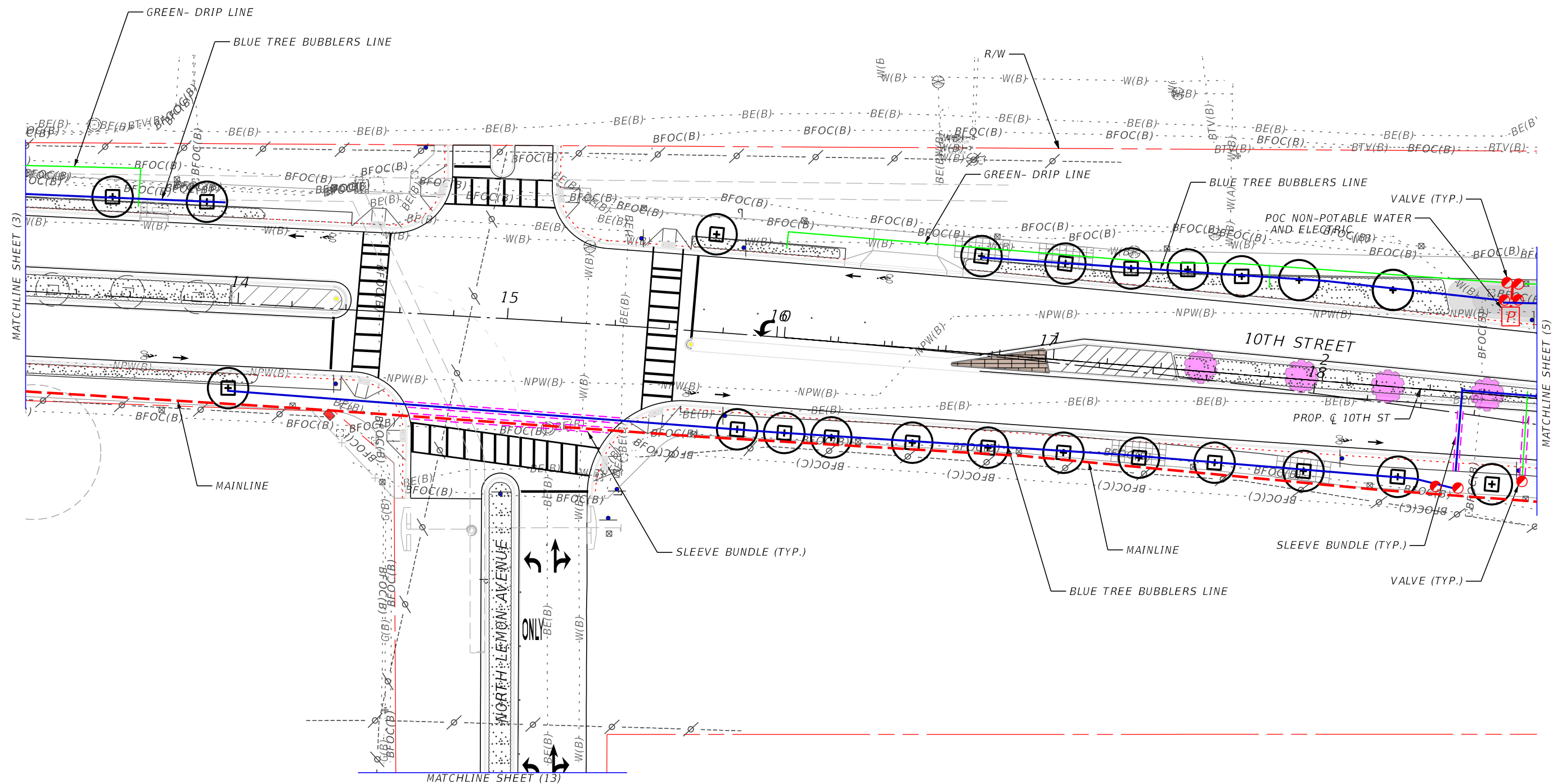
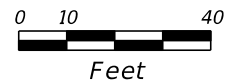
HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

IRRIGATION PLAN SHEET (3)

SHEET NO.  
 31

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

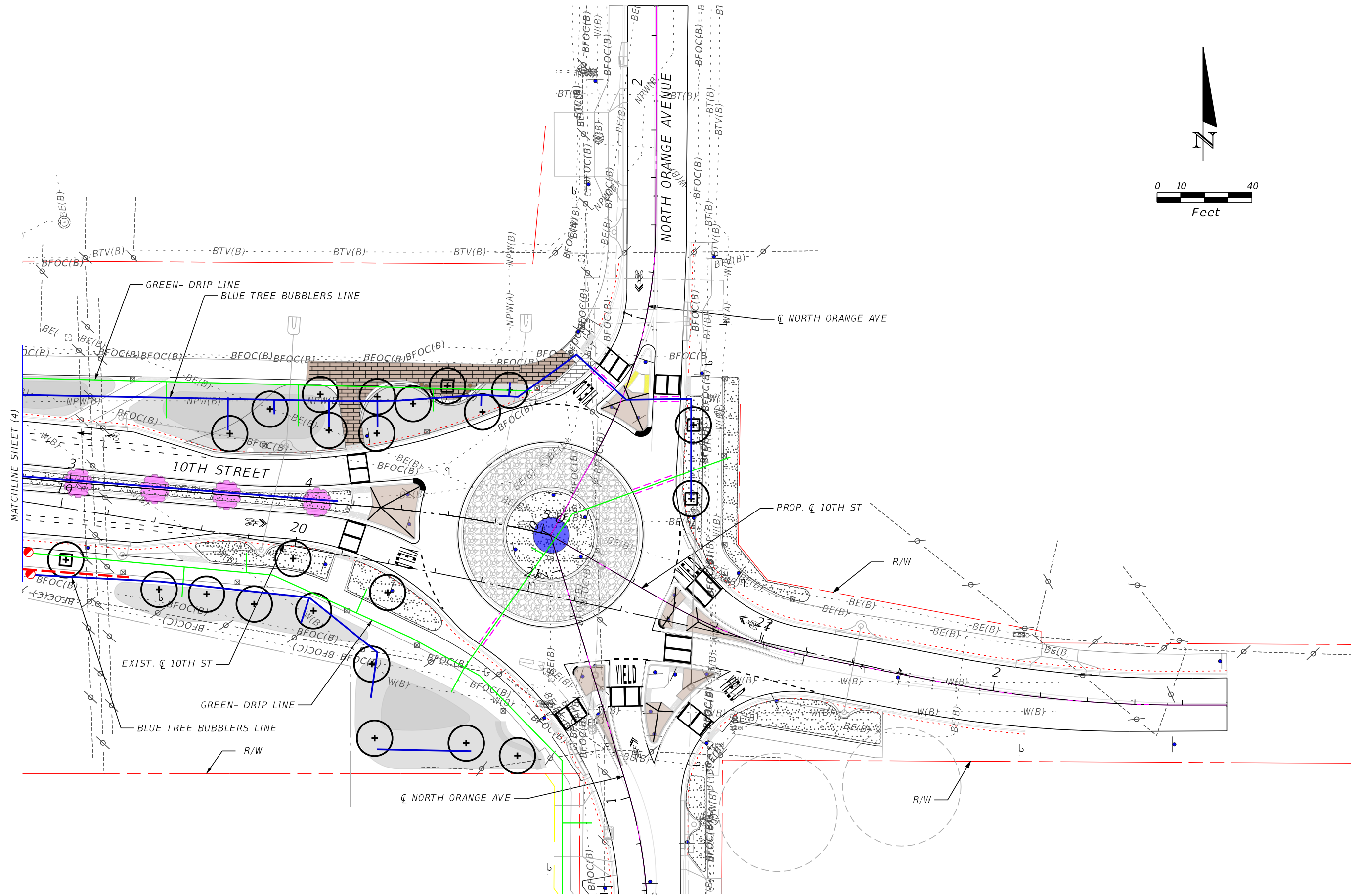
CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

**IRRIGATION PLAN SHEET (4)**

SHEET NO.  
**32**

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

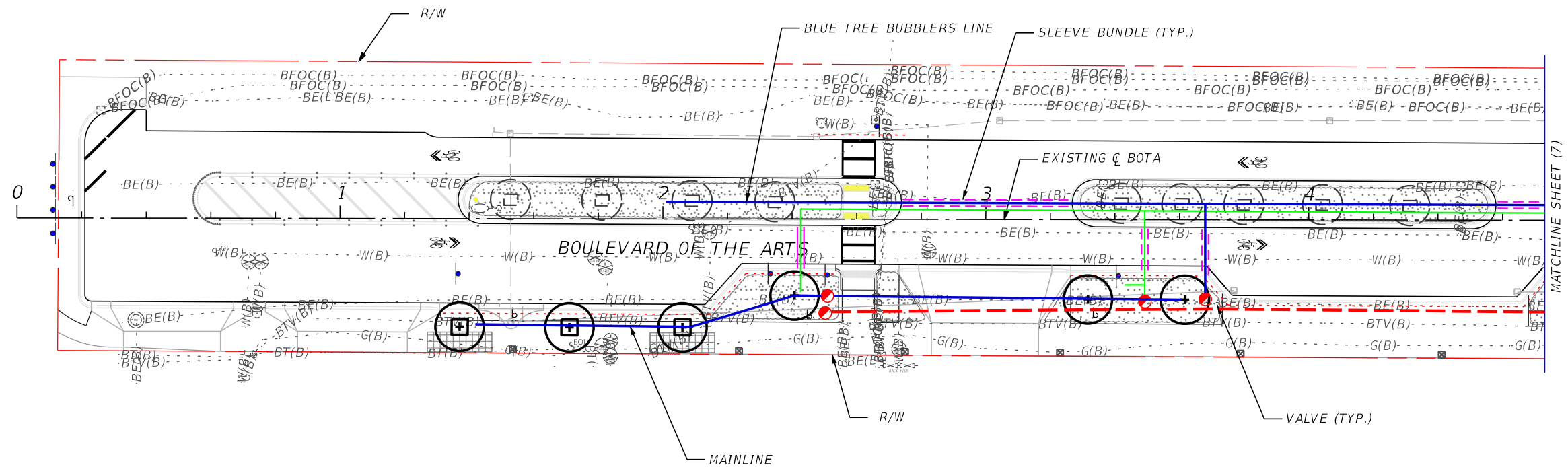
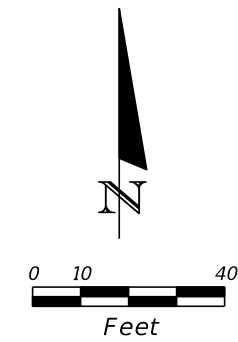
HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

*IRRIGATION PLAN SHEET (5)*

SHEET NO.  
**33**

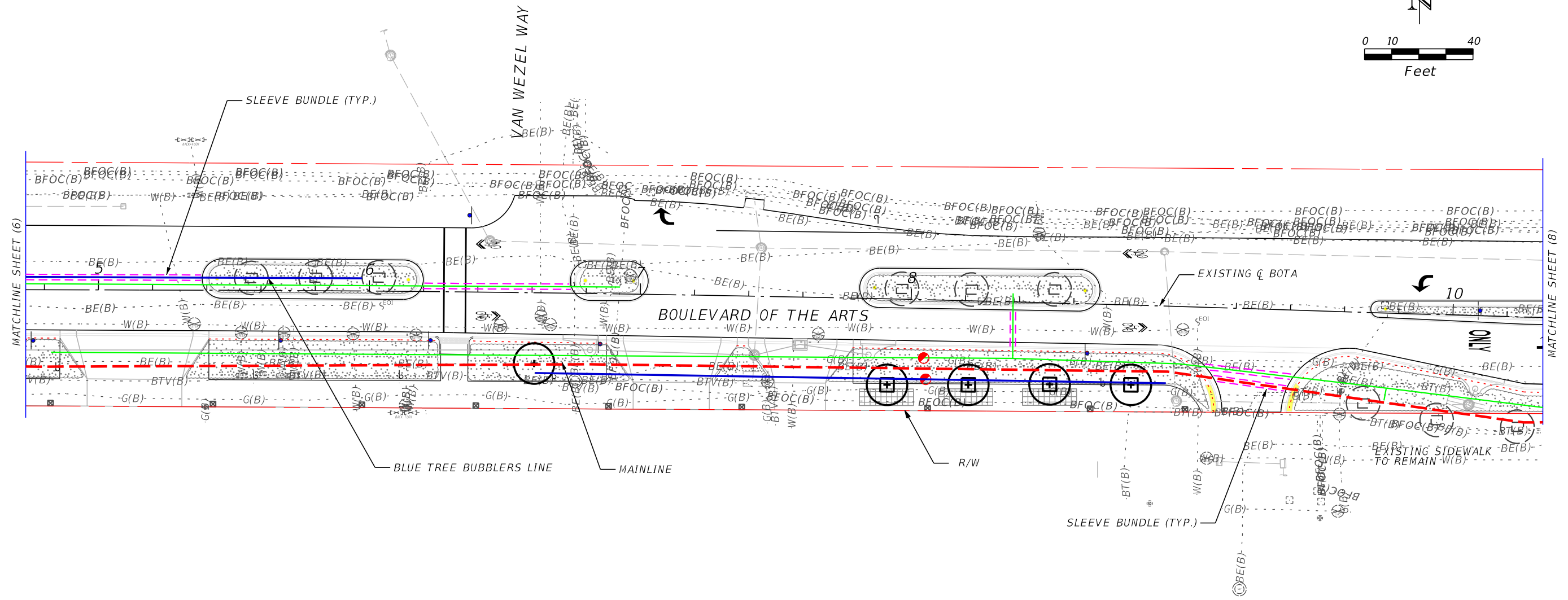
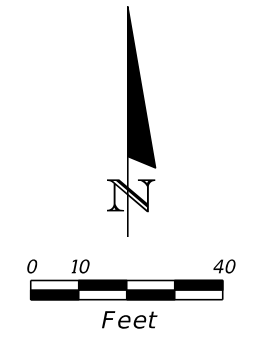
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DATE	DESCRIPTION	DATE	DESCRIPTION				

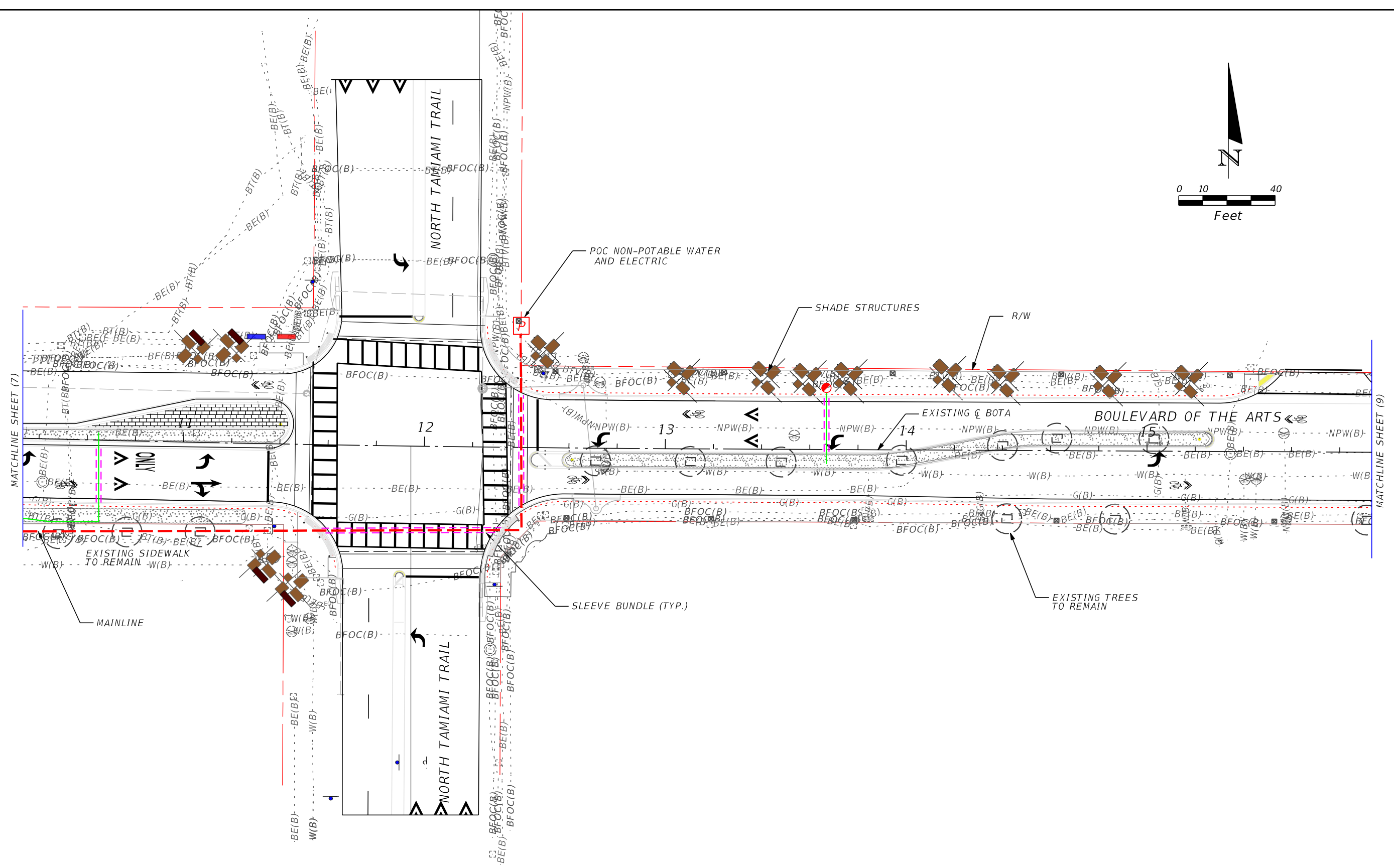
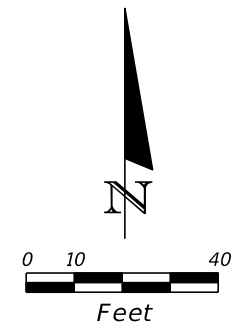
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REVISIONS		REVISIONS		HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	IRRIGATION PLAN SHEET (7)	SHEET NO.  35
DATE	DESCRIPTION	DATE	DESCRIPTION				

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MATCHLINE SHEET (7)

MATCHLINE SHEET (9)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

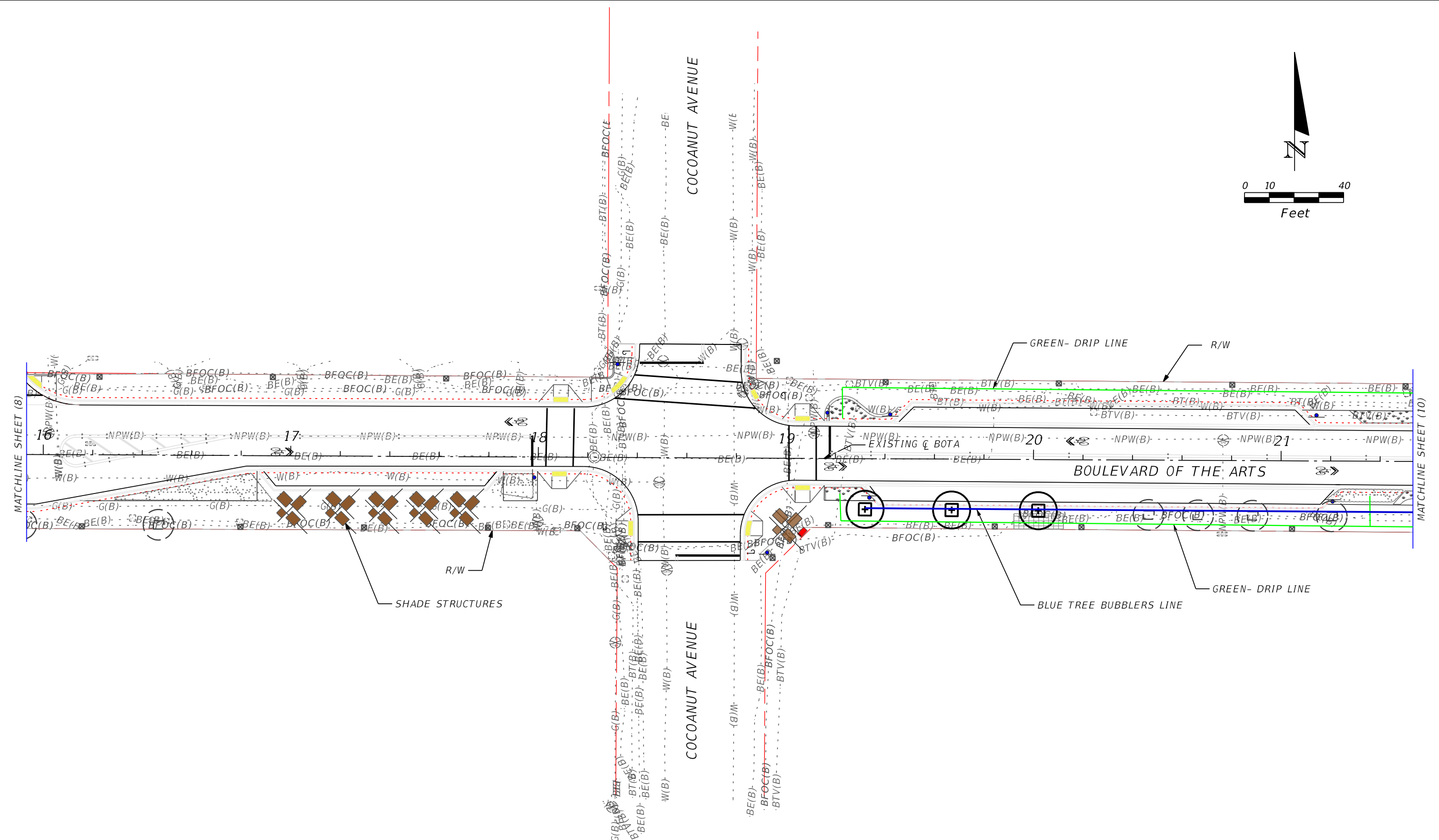
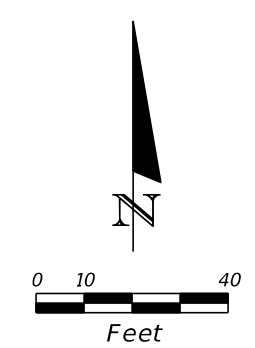
CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

IRRIGATION PLAN SHEET (8)

SHEET NO.  
 36

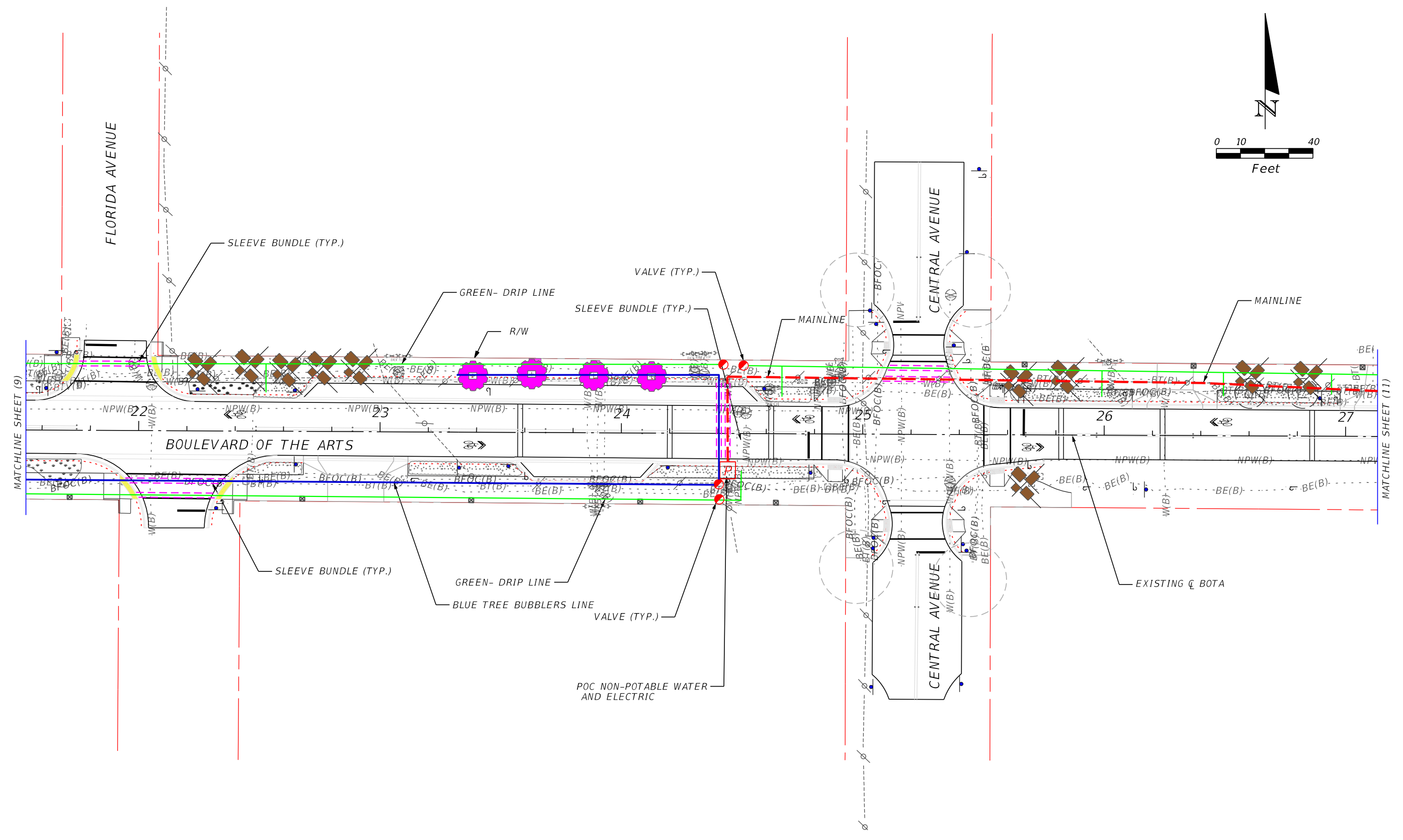
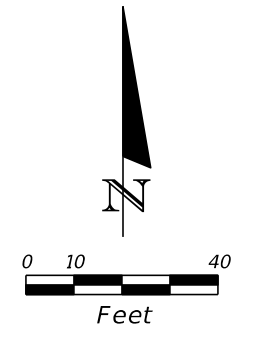
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REVISIONS				HNTB CORPORATION 200 COLONIAL CENTER PARKWAY, SUITE 200 LAKE MARY, FL 32746 PHONE: (407) 547-3067  CHRISTOPHER KELLER, P.L.A. NO 00001352	CITY OF SARASOTA  10TH STREET & BOULEVARD OF THE ARTS	IRRIGATION PLAN SHEET (9)	SHEET NO.  37
DATE	DESCRIPTION	DATE	DESCRIPTION				

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DATE	DESCRIPTION	DATE	DESCRIPTION

HNTB CORPORATION  
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 CHRISTOPHER KELLER, P.L.A. NO 00001352

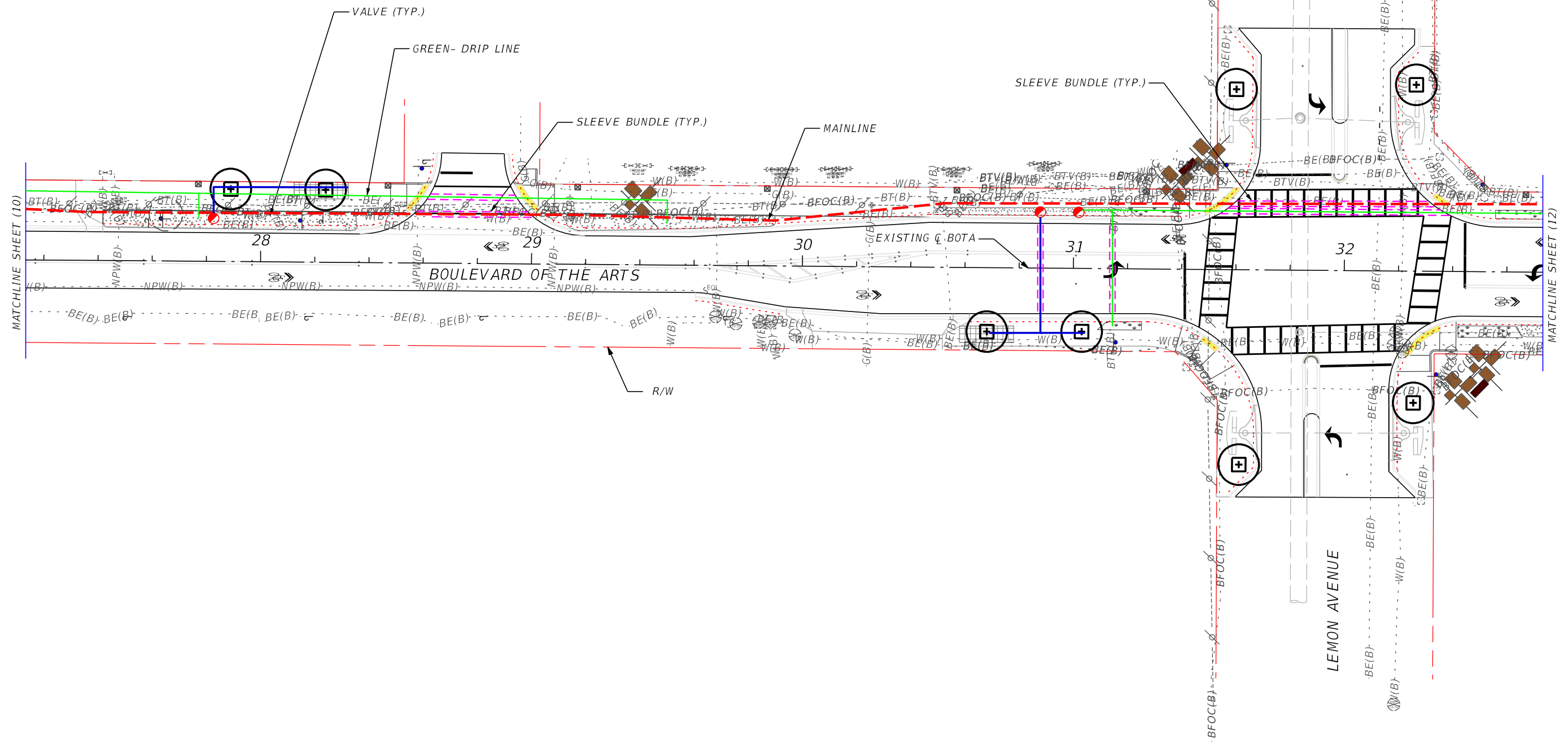
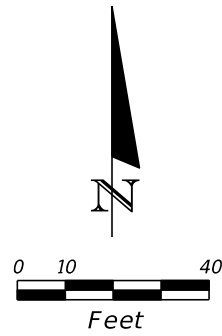
CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

IRRIGATION PLAN SHEET (10)

SHEET NO.  
 38

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

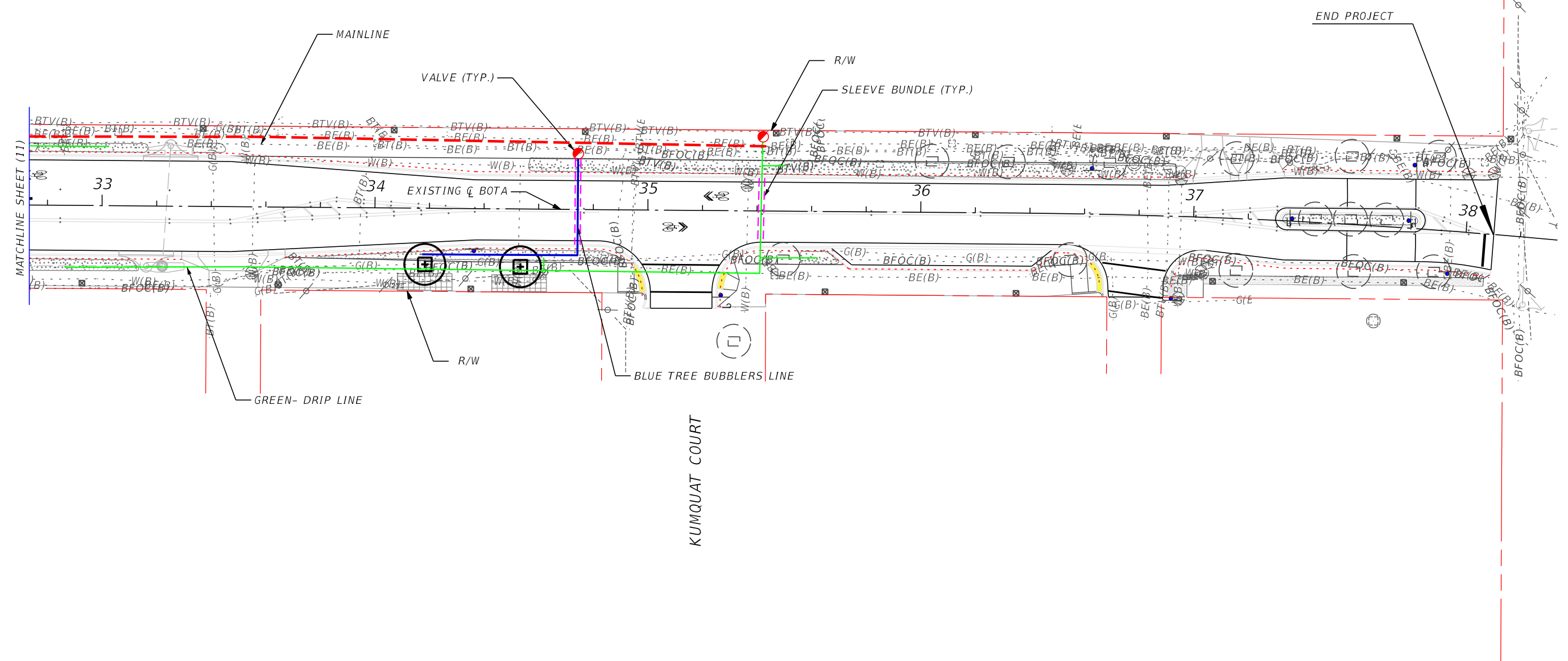
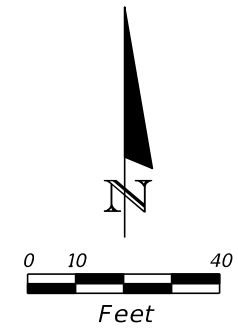
HNTB CORPORATION  
 200 COLONIAL CENTER PARKWAY, SUITE 200  
 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

IRRIGATION PLAN SHEET (11)

SHEET NO.  
 39

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DATE	DESCRIPTION	DATE	DESCRIPTION

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 LAKE MARY, FL 32746  
 PHONE: (407) 547-3067  
 CHRISTOPHER KELLER, P.L.A. NO 00001352

CITY OF SARASOTA  
 10TH STREET &  
 BOULEVARD OF THE ARTS

IRRIGATION PLAN SHEET (12)

SHEET NO.  
 40

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*IRRIGATION NOTES:*

1. *THE IRRIGATION SYSTEM FOR BOTH CORRIDORS CONSISTS OF DRIP EMITTERS FOR SHRUB AREAS AND BUBBLERS FOR TREES.*
2. *THE IRRIGATION SOURCE IS NON-POTABLE WATER. THE CONTRACTOR MUST VERIFY LOCATION, FLOW AND PRESSURE FOR ALL POINTS OF CONNECTION.*
3. *THE CONTRACTOR MUST VERIFY THE LOCATION, VOLTAGE AND AMPERAGE FOR ALL POINTS OF CONNECTION.*
4. *ALL POINTS OF CONNECTION WILL INCLUDE A CORPORATION JOINT (VALVE) BACKFLOW PREVENTION, MASTER FLOW VALVE AND TIMER.*
5. *THE SYSTEM MUST OPERATE ON A TWO-WIRE SYSTEM.*
6. *THE LOCATION OF ALL POINTS OF CONNECTION, VALVES AND LATERAL LINES ARE SHOWN SCHEMATICALLY FOR CLARITY.*
7. *TO THE EXTENT POSSIBLE, ALL VALVES AND MECHANICAL EQUIPMENT WILL BE LOCATED IN SHRUB BEDS.*
8. *ALL ELECTRICAL AND MECHANICAL COMPONENTS WILL BE ENCLOSED IN WEATHERPROOF/VANDAL PROOF CABINETS.*
9. *RAIN GARDENS AND BIOSWALES WILL BE IRRIGATED HOWEVER, THEY MUST ME PLACED ON A SEPARATE ZONE.*
10. *FINAL IRRIGATION DESIGN MUST BE PREPARED BY A CERTIFIED IRRIGATION DESIGNER.*
11. *EXISTING IRRIGATION COMPONENTS WILL BE EVALUATED AND PRESERVED IF FOUND TO BE SUITABLE FOR THE NEW DESIGN.*

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DATE	DESCRIPTION	DATE	DESCRIPTION		10TH STREET & BOULEVARD OF THE ARTS			41

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