### AMENDMENT NUMBER TWENTY-NINE (29) TO FLORIDA DEPARTMENT OF TRANSPORTATION DISTRICT FOUR (4) INCLUSIVE LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT

This is Amendment Number	Twenty-Nine (29) 1	to the Agreemen	t dated De	ecember 5, 200	7,
made and entered into this	day of		20	by and between	n
the FLORIDA DEPARTMENT OF	TRANSPORTATION	<b>ON</b> hereinafter o	alled the '	<b>'DEPARTMEN</b>	Τ"
and the CITY OF POMPANO BEA	CH, a municipal co	rporation of the	State of FI	orida, hereinaft	er
called the "AGENCY".					

**WHEREAS**, the parties entered into the Inclusive Landscape Maintenance Memorandum of Agreement dated December 5, 2007 for the purpose of maintaining the landscape improvements by the AGENCY on various State Road(s) including State Road 9 (I-95) and State Road 834 (Sample Road); and

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape improvements, to be installed on State Road 9 (I-95) at the State Road 834 (Sample Road) interchange, in accordance with the above referenced Agreement; and

**NOW THEREFORE**, for and in consideration of mutual benefits that flow each to the other, the parties covenant and agree as follows:

- Pursuant to paragraph 13, page 8 of the Inclusive Landscape Maintenance Memorandum of Agreement dated December 5, 2007, the DEPARTMENT plans to construct additional landscape improvements or to modify an improvement located as indicated in Exhibit "A", at the State Road 9 (I-95) and State Road 834 (Sample Road) Interchange, in accordance with the plans attached as Exhibit "B".
- 2. The AGENCY shall agree to maintain the additional landscape improvements according to Exhibit "F" Maintenance Plan of the original agreement, Amendment #21, and as follows:

#### PART II. Specific Project Site Maintenance Requirements and Recommendations:

- A. The medians include shrub plantings, canopy trees, and large palms. The interchange infields and sound walls include canopy trees, flowering trees, and large and small palms.
- B. Irrigation systems will cover all plantings within the medians. The proposed irrigation will be an extension of an existing system on Sample Road and operated by existing relocated valves.
- C. All trees are intended to be maintained at a mature height and spread and do not need pruning to control their overall height. The only pruning required will be as described

- above for safety, sightline visibility, to remove dead or damaged branches, to remove sucker growth, or to improve structure.
- D. To maintain the intended appearance of all palms, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications ('palm special' fertilizer blend with an 8-2-12 +4 Mg). This may be used for shrubs or turf grasses, however, do not use general-purpose fertilizers within 40' of any palm species.
- E. To maintain the intended appearance of all shrubs or turf grass, apply the latest fertilizer recommended by the University of Florida IFAS Extension per the manufacturer's specifications and in accordance with Broward County fertilizer restrictions.
- F. Do not remove fronds from self-cleaning palms, unless damaged. Palms with persistent fronds shall only have dead fronds removed, do not remove any green fronds. If it is deemed necessary to prune a palm's fronds, no fronds shall be trimmed above 3 o'clock and 9 o'clock on the horizontal plane.
- G. Maintain shrub horizontal growth to prevent foliage from growing beyond the limits of the planting areas shown on the plan. Inspect shrubs on a monthly basis to maintain full ground coverage.
- H. Maintain the Fakahatchee Grass (Tripsacum dactyloides) to the species' natural form, about 3.5' high and full to the ground. Native grasses should never be pruned to control their overall height and instead will be allowed to grow to their natural form (NF). Grasses can be cut back to within 6" from grade, as needed, to limit biomass and regenerate them. This is typically required every one to two years at most.
- I. Evaluate plant material on a monthly basis for pests, diseases, drought stress, or general decline. If required, follow the integrated pest management program established by the Agency to ensure healthy plants.
- J. Inspect the irrigation system performance on a quarterly basis to ensure the system is providing 100% coverage, does not have sections of low pressure, heads and valves are clean and clear of debris and any damaged irrigation components (i.e., spray nozzles, spray heads, valve boxes, etc.) are repaired or replaced.

Except as modified by this Amendment, all terms and conditions of the original AGREEMENT shall remain in full force and effect.

#### **LIST OF EXHIBITS**

Exhibit A – PROJECT LOCATION AND MAINTENANCE BOUNDARIES

Exhibit B – LANDSCAPE IMPROVEMENT PLANS

Exhibit C – APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

Exhibit D – RESOLUTION

**In Witness whereof,** the parties hereto have executed this Amendment effective the day and year first above written.

# **CITY OF POMPANO BEACH**

Bv:	See City Signature Page Attached	Date:
<i>,</i>	Chairperson/Mayor/Manager	
Attes	st: Clerk	(SEAL)
l ana	ıl Review:	
Lega	ii iteview.	
	TE OF FLORIDA ARTMENT OF TRANSPORTATION	
Ву:	Transportation Development Director	Date:
	st:Executive Secretary	-
Lega	al Review: Office of the General Counse	
	Office of the General Counse	el .

# **"CITY":**

# CITY OF POMPANO BEACH

	By:
	By: GREGORY P. HARRISON, CITY MANAGER
Attest:	Date:
KERVIN ALFRED CITY CLERK	(SEAL)
Approved As To Form:	
MARK E. BERMAN CITY ATTORNEY	

 SECTION:
 86070 / 86028

 PROJECT:
 444404-1-52-01

 COUNTY:
 BROWARD

 STATE RD:
 9 and 834

#### **EXHIBIT A**

#### PROJECT LOCATION AND MAINTENANCE BOUNDARIES

#### I. ORIGINAL INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS:

SR 834 (Sample Road):

M.P. 5.030 (Turnpike) to M.P. 9.481 (SR 5)

<u>SR 9 (I-95):</u>

M.P. 16.487 (south of McNab Road) to M.P. 21.582 (Sample Road)

#### II. LIMITS OF MAINTENANCE FOR THIS LANDSCAPE PROJECT:

SR 834 (Sample Road):

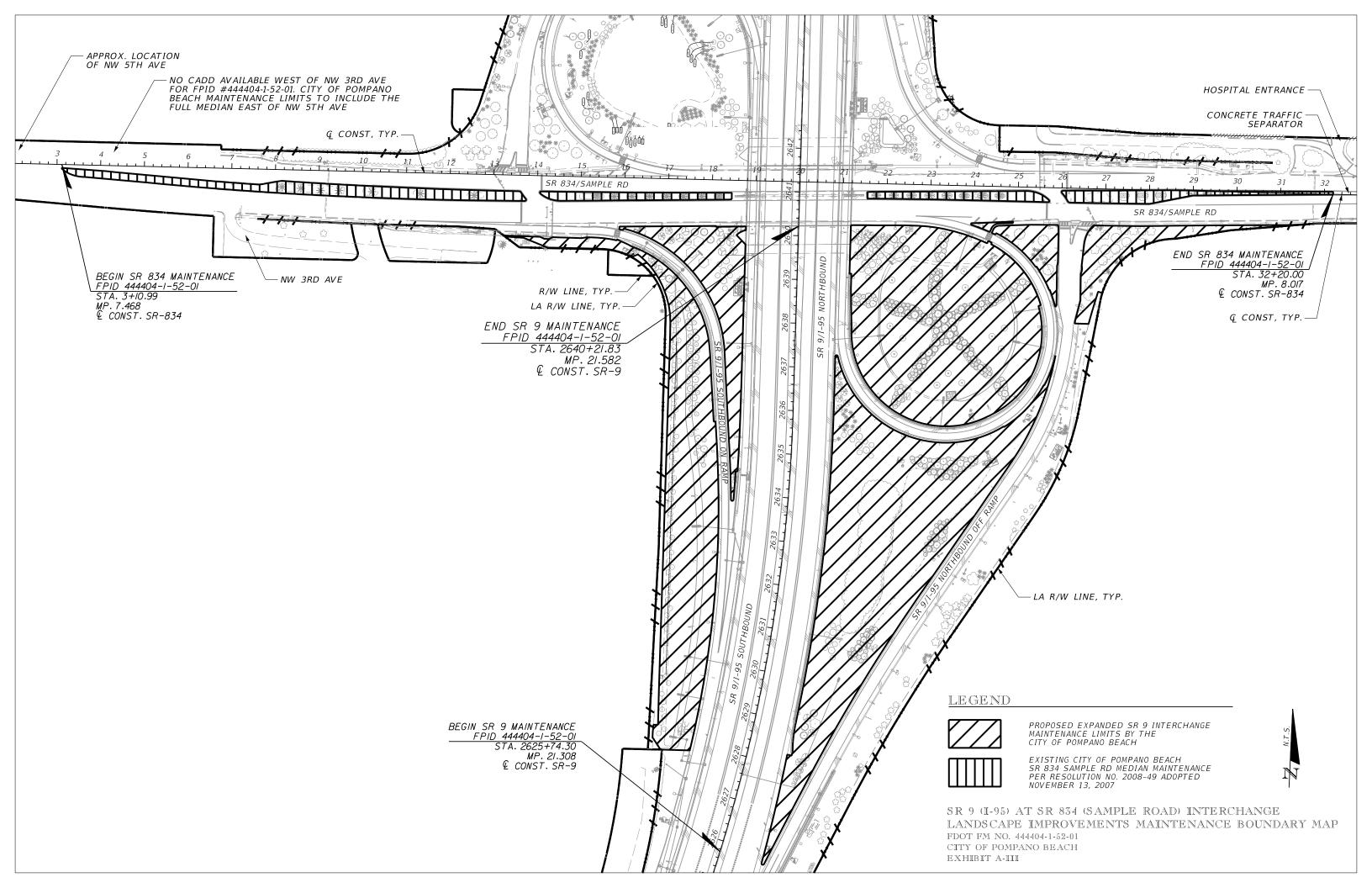
Medians from NW 5th Ave to west of NE 2nd Ave Section 86028, M.P. 7.468 to M.P. 8.017

SR 9 (I-95):

Infields south of SR 834 (Sample Road) Section 86070, M.P. 21.308 to M.P. 21.582

#### III. LANDSCAPE IMPROVEMENTS MAINTENANCE BOUNDARY MAP:

See Attached



#### **EXHIBIT B**

# LANDSCAPE IMPROVEMENT PLANS

The DEPARTMENT agrees to install the landscape improvements in accordance with the plans and specifications attached hereto and incorporated herein.

Please see attached plans prepared by: Cotleur & Hearing, LLC

Robert Cotleur, RLA

Date: 06/28/2024

Sheets: LD-1, LD-3 to LD-11

LD-14, LD-16 to LD-21

See attached PDF file of the signed and sealed plans.

# STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

# LANDS CAPE PLANS

# FINANCIAL PROJECT ID 444404-1-52-01

# INDEX OF LANDSCAPE PLANS SHEET NO. SHEET DESCRIPTION

LD-1 KEY SHEET
LD-2 SIGNATURE SHEET
LD-3 GENERAL NOTES
LD-4 LEGEND
LD-5 PROJECT LAYOUT
LD-6 TO LD-13 LANDSCAPE PLAN
LD-14 LANDSCAPE DETAILS

LD-15 SELECTIVE CLEARING AND GRUBBING DETAILS

LD-16 TO LD-19 IRRIGATION PLAN LD-20 TO LD-21 IRRIGATION DETAILS

LD-22 TO LD-23 TEMPORARY TRAFFIC CONTROL PLAN

BROWARD COUNTY (86070000)

STATE ROAD NO. 9 (I-95)
LANDSCAPING AT SR 834 (SAMPLE ROAD) INTERCHANGE

PROJECT LOCATION URL: https://tinyurl.com/444404-1

PROJECT LIMITS:

BEGIN MP 21.203 - END MP 22.143 (86070000) BEGIN MP 07.55 - END MP 08.017 (86028000)

EXCEPTIONS:

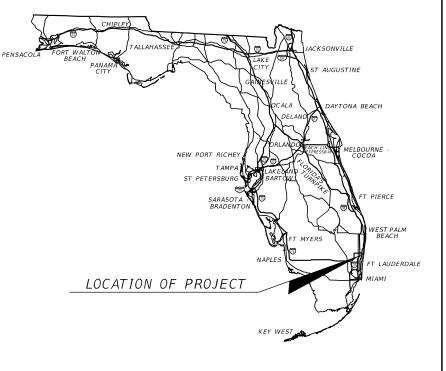
NONE

BRIDGE LIMITS:

BR#0121 MP 21.578 - MP 21.623 BR#0178 MP 21.578 - MP 21.623

RAILROAD CROSSING:

NONE



# LANDSCAPE PLANS PROFESSIONAL OF RECORD:

ROBERT J. COTLEUR, R.L.A. R.L.A. NO.: 1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 Vendor No. F471877271001 CONTRACT No. CAH36

# FDOT PROJECT MANAGER:

ROBERT LOPES, P.E.

CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
E4X57	25	

#### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2024-25 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

APPLICABLE IRs: N/A

Standard Plans for Bridge Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

#### GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, FY2024-25 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

#### GENERAL PROJECT NOTES:

1. COORDINATE WITH THE FDOT BROWARD OPERATIONS AT LEAST TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION IN ORDER TO DOCUMENT THE EXISTING SITE CONDITIONS AND TO ALLOW FOR ANY REQUIRED REMEDIAL WORK TO BE COMPLETED PRIOR TO CONSTRUCTION HANDOFF, CONTACT INFORMATION FOR BROWARD OPERATIONS PROVIDED BELOW:

COMPANY: FDOT BROWARD OPERATIONS

CONTACT: IVANOHE HERNANDEZ IVANOHE.HERNANDEZ@DOT.STATE.FL.US EMAIL:

PHONE: 954-958-7633

2. COORDINATE WITH THE FDOT ASSET MAINTENANCE CONTRACTOR AT LEAST TWO WEEKS PRIOR TO BEGINNING CONSTRUCTION IN ORDER TO ALLOW ASSET MAINTENANCE TO PERFORM UTILITY LOCATES FOR THE FDOT-OWNED I.T.S. FACILITIES WITHIN THE PROJECT LIMITS. CONTACT INFORMATION FOR ASSET MAINTENANCE PROVIDED BELOW:

COMPANY: JORGENSEN CONTRACT SERVICES, LLC

CONTACT: MARITZA TARDI

FMAII: MARITZA TARDI@ROYJORGENSEN.COM

PHONE: 954-626-3590

3. THE LANDSCAPE MAINTENANCE, WITHIN CITY LIMITS ONLY, WILL BE TAKEN OVER BY THE CITY OF POMPANO BEACH FOLLOWING THE COMPLETION OF THIS STAND-ALONE LANDSCAPE CONTRACT. COORDINATE WITH THE CITY TO NOTIFY PUBLIC WORKS OF THE ANTICIPATED DATE OF MAINTENANCE HANDOFF AND TO ALLOW A CITY REPRESENTATIVE THE OPPORTUNITY TO ATTEND ALL ESTABLISHMENT PERIOD INSPECTIONS.

CONTACT: ROBERT MCCAUGHAN, PUBLIC WORKS DIRECTOR

FMAII: ROBERT.MCCAUGHAN@COPBFL.COM

PHONE: (954) 786-4028

- 4. MULTIPLE PLANTS ARE PROPOSED NEAR EXISTING BURIED ELECTRIC AND UNDERGROUND I.T.S. UTILITY LINES. HAND DIG ALL PLANTING PITS FOR PLANTS PROPOSED WITHIN 5' OF THESE FACILITIES AND UTILITY LINES.
- 5. SIGHT TRIANGLES SHOWN ON THESE PLANS ARE BASED ON FLORIDA DESIGN MANUAL (FDM) STANDARDS, 45 MPH DESIGN SPEED. INTERSECTIONS LABELED AS 'SIGNALIZED ON THESE PLANS ARE FULLY SIGNALIZED 24 HOURS A DAY AND ARE NOT PLACED IN FLASHING MODE AS A PART OF THEIR NORMAL OPERATION.
- 6. BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:
  - UNIT COST BREAKDOWN FOR EACH ITEM OF WORK
- WEED CONTROL PRODUCT INFORMATION AND APPLICATION PROCEDURES h.
- LANDSCAPE SOIL PRODUCT INFORMATION
- WATERING APPLICATION PROCEDURES d.
- IRRIGATION PRODUCT INFORMATION e.
- FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES
- MULCH PRODUCT INFORMATION
- 7. HAND WATERING IS REQUIRED FOR THE SUCCESSFUL ESTABLISHMENT OF THE PROPOSED PLANTINGS. DETERMINE THE WATER SCHEDULE AND RATE TO ENSURE THE HEALTHY ESTABLISHMENT OF ALL PLANTS THROUGHOUT THE CONSTRUCTION AND ESTABLISHMENT PERIODS. WATER SUPPLIED FROM A WATER TRUCK MUST NOT BE APPLIED IN A MANNER THAT WOULD DAMAGE PLANTS. NOR IN A MANNER THAT WOULD REMOVE SOIL SAUCER RING OR MULCH AROUND EACH PLANT. PROVIDE AND MAINTAIN A RAIN GAUGE ON SITE FROM THE TIME ANY TREES ARE PLANTED OR RELOCATED UNTIL THE END OF THE ESTABLISHMENT PERIOD SO THE AMOUNTS OF RAINFALL CAN BE DOCUMENTED.
- 8. ALL EXISTING IRRIGATION COMPONENTS IN THE MEDIANS EAST OF 1-95 SHALL BE REMOVED DURING LANDSCAPE CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, MAIN LINES, LATERAL LINES, FLEX PIPE, CONTROL WIRE, AND SPRAY HEADS. EXISTING VALVES, VALVE BOXES, AND BATTERY CONTROLLERS WILL BE RELOCATED TO THE PROPOSED LOCATIONS SHOWN ON THE PLAN. EXISTING SLEEVES/BORES, BACKFLOW PREVENTERS, AND SHUT-OFF VALVES THAT ARE NOT IMPACTED MAY REMAIN IN PLACE. REVIEW EXISTING IRRIGATION SYSTEMS AND COMPONENTS TO REMAIN IN THE PRESENCE OF THE ENGINEER AND CITY REPRESENTATIVES PRIOR TO STARTING WORK TO CONFIRM THEIR CONDITION. ANY REPAIRS THAT ARE REQUIRED TO THE EXISTING COMPONENTS TO REMAIN WILL BE THE RESPONSIBILITY OF THE CITY.
- 9. ALL PROPOSED TREES SHALL RECEIVE A MINIMUM 5' DIAMETER, UNIFORMLY APPLIED MULCH RING. MAINTAIN MULCH BEDS AT A MINIMUM OF 3" DEPTH AT ALL TIMES. MULCH TYPE FOR ALL PLANT BEDS OTHER THAN CYPRESS, CEDAR, AND PINE TO BE RECYCLED ECO-MULCH MADE FROM VIRGIN ROUNDWOODS INCLUDING SLASH PINE, BLACK OLIVE, AND OAK. IT SHALL NOT INCLUDE ANY CYPRESS, MELALEUCA, CONSTRUCTION (C&D) WOOD, OR ANY MATERIAL CONTAINING ARSENIC OR COLOR DYES. THE MULCH TYPE FOR ALL PLANT BEDS CONTAINING CYPRESS, CEDAR, AND PINE SHALL BE PINE STRAW. APPLY A PRE-EMERGENT HERBICIDE IN CONJUNCTION WITH THE MULCHING OPERATIONS. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR RATES AND APPLICATION METHODS.

- 10. PROVIDE ADDITIONAL LANDSCAPE SOIL FOR BACKFILLING PLANT PITS OF SPECIFIC SPECIES (LOCATED WITHIN THE SAMPLE ROAD MEDIANS) IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 987-2.4. REFER TO THIS SHEET FOR THE SUPPLEMENTAL LANDSCAPE SOIL WORK TABLE INDICATING HOW MUCH SOIL TO PROVIDE PER SPECIES. PROVIDE SOIL TEST RESULTS PREPARED BY AN APPROVED SOIL TESTING LAB THAT CERTIFIES THAT THE SOIL MIXTURE MEETS THE REQUIREMENTS OF THE SPECIFICATIONS. PROVIDE A MINIMUM OF 1 TEST FOR EACH DIFFERENT SOIL SOURCE OR MIXTURE. SUBMIT TEST RESULTS TO THE ENGINEER FOR APPROVAL PRIOR TO UTILIZING ON SITE.
- 11. ALL PROPOSED TREES AND PALMS (EXCLUDING SABAL PALMS) WILL BE FERTILIZED TO MAINTAIN THEIR ORIGINAL GRADE AND PROPER FOLIAGE COLOR. IN ADDITION, FERTILIZE ALL EXISTING NON-NATIVE CANOPY TREES AND PALMS WITHIN THE PROJECT LIMITS.

THE FERTILIZER MIX FOR PALM TREES SHALL BE IN ACCORDANCE WITH THE MOST CURRENT RECOMMENDATIONS BY THE INSTITUTE OF FOOD AND AGRICULTURAL SERVICES (IFAS). AT A MINIMUM, APPLY AN 8-2-12+4 MG FERTILIZER, WITH ALL MICRONUTRIENTS. ONE HUNDRED PERCENT OF THE (N) NITROGEN, (K) POTASSIUM, (MG) MAGNESIUM, AND (8) BORON MUST BE IN CONTROLLED RELEASE FORM, PLUS ALL MICRONUTRIENTS IN WATER-SOLUBLE FORM. APPLICATION RATE PER MANUFACTURER'S RECOMMENDATIONS. BEGIN FERTILIZATION DURING THE CONSTRUCTION PHASE AND REPEAT EVERY 3 MONTHS.

ANY PROPOSED TREES OR PALMS THAT SHOW SIGNS OF CHLOROSIS OR OTHER DEFICIENCY AT ANY TIME DURING THE CONSTRUCTION OR ESTABLISHMENT PERIOD MUST BE REPLACED.

#### UTILITY PROVIDER LIST

UTILITY	CONTACT	PHONE NO.
AT&T DISTRIBUTION	LAZARO SIXTO	772-332-7382
BROWARD COUNTY WATER AND WASTEWATER SERVICES	GEORGE LOPEZ	954-831-0919
LUMEN - LEVEL 3	DANIEL GOETTE	RELOCATIONS@LUMEN.COM
LUMEN - CENTURYLINK	HEATHER BLACKBURN	RELOCATIONS@LUMEN.COM
CITY OF DEERFIELD BEACH DB1171	PATRICIA DESIR	954-480-4347
CITY OF FT. LAUDERDALE	JASON WALKER	954-828-7684
CITY OF POMPANO BEACH WATER/SEWER	JOHN SFIROPOULOS	954-545-7009
COMCAST CABLE	RICHARD SEES	954-774-9781
FP&L - DISTRIBUTION	BYRON SAMPLE	954-321-2056
FP&L - TRANSMISSION	JAMES JOSEPH	561-904-3634
мсі	JOHN R. HANSON	786-412-7878
TECO PEOPLES GAS SOUTH FLORIDA	MAX J. CHAMORRO	954-453-0811
FDOT I.T.S. AND LIGHTING	MIGUEL SOSA	954-940-7604

\*NOTE TO REVIEWERS: UTILITY PROVIDERS LIST TO BE UPDATED PRIOR TO BIDDABILITY PHASE PLAN SUBMITTAL ONCE THE PROJECT'S UTILITY COORDINATION HAS BEEN COMPLETED.

REVISIONS ROBERT J. COTLEUR, L.A. DESCRIPTION DESCRIPTION L.A. NO.: 1067 COTLEUR & HEARING, LLC. 1934 COMMERCE LN SUITE 1 JUPITER, FL 33458

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 9	BROW ARD	444404-1-52-01

GENERAL NOTES

NO.

LD-3

# PLANT SCHEDULE AND LEGEND

SYMBOL	ABBR.	BOTANICAL NAME / COMMON NAME SIZE	QTY
	TFD	TRIPSACUM DACTYLOIDES - FAKAHATCHEE GRASS #3 GAL, 2'x 2', 2.5' OC	551
<b>*</b>	AW	ACOELORRHAPHE WRIGHTII - PAUROTIS PALM 15' OA x 10' SPRD, 12 CANES MIN, CLEAN BASE	15
	BA	BULNESIA ARBOREA - VERAWOOD 14'x 6', 3" CAL, FULL	25
	BN	BISMARCKIA NOBILIS 'SILVER' - SILVER BISMARCK PALM 15' CT, MIN 5.5'x5.5' RB, RP, FF, MIN 7 LC.	22
	BS	BURSERA SIMARUBA - GUMBO LIMBO 16' OA x 8' SPRD, 6" CAL	20
$\bigcirc$	CD	COCCOLOBA DIVERSIFOLIA - PIGEON PLUM 12'x 5', 2.5" CAL	15
+	CE	CONOCARPUS ERECTUS - GREEN BUTTONWOOD 16' OA x 6' SPRD, 4" CAL	22
	CLG	CLUSIA FLAVA - SMALL LEAF CLUSIA 10' OA x 6' SPRD, 2" CAL	25
	DR	DELONIX REGIA - ROYAL POINCIANA 14'X 8', 5" CAL	21
+	FS	CHORISIA SPECIOSA - FLOSS SILK TREE 14'x 6', 5" CAL, FULL	15
*	HD	HAMELIA NODOSA – DWARF FIREBUSH #7 GAL, 2.5'x 2', 3' OC	98
	JA	JATROPHA INTEGERRIMA STANDARD PEREGRINA 6' x 4'	19
$\odot$	JB	JUNIPERUS VIRGINIANA SILICICOLA 'BRODIE' - SOUTHERN RED CEDAR 12'X 5'	49
	J5	JUNIPERUS V. SILICICOLA - SOUTHERN RED CEDAR 16' OA x 8' SPRD, 5" CAL	27
0	LAL	LATANIA LONTAROIDES - RED LATAN PALM 6'-7' 0A	14
	LS	LAGERSTROEMIA SPECIOSA - QUEEN'S CREPE MYRTLE 12' OA X 6' SPRD, LIMB UP 5'	34
	PE1	PINUS ELLIOTII DENSA - SO. FLORIDA SLASH PINE 8'-10' OA, 3" CAL	105

SYMBOL	ABBR.	BOTANICAL NAME / COMMON NAME SIZE	QTY
+ + +	PE2	PINUS ELLIOTII DENSA - SO. FLORIDA SLASH PINE 14'-16' OA, 6" CAL	52
*	PEA	PTYCHOSPERMA ELEGANS - SOLITAIRE PALM 12' CT (9' -13' RANGE), 15' CT (14'-17' RANGE) (SEE PLAN), SINGLE	15
	РНМ	PHOENIX DACTYLIFERA 'MEDJOOL' - MEDJOOL DATE PALM 10' GW x 16' CT, DC	4
+ + ~	QV	QUERCUS VIRGINIANA - LIVE OAK 16' OA x 8' SPRD, 4.5" CAL	22
$\odot$	SP	SABAL PALMETTO - SABAL PALMETTO 10'-24' CT (SEE PLAN), SLICK	119
•	SPC	SABAL PALMETTO - SABAL PALMETTO (CURVED) 10', 14' CT (SEE PLAN), SLICK, (MAX 8' LEAN)	53
$\otimes$	SR	SERENOA REPENS 'CINEREA' - SILVER SAW PALMETTO #15 GAL, 30" X 30"	127
	TA1	TABEBUIA CARAIBA - SILVER TRUMPET TREE 10'-12' OA X 5' SPRD, 4" CAL	28
	TA2	TABEBUIA CARAIBA - SILVER TRUMPET TREE 12'-14' OA X 6'-7' SPRD, 5" - 6" CAL	33
11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TD1	TAXODIUM DISTICHUM - BALD CYPRESS 10' OA, 3.5" CAL, B&B	128
+ + + + + + + + + + + + + + + + + + + +	TD2	TAXODIUM DISTICHUM - BALD CYPRESS 14' OA, 5.5" CAL, B&B	43
+	TD3	TAXODIUM DISTICHUM - BALD CYPRESS 18' OA, 7" CAL, B&B	19
<u> </u>	TR	THRINAX RADIATA - FLORIDA THATCH PALM 8'-10' OA, SL	28
$\odot$	VM1	VEITCHIA MONTGOMERYANA - MONTGOMERY PALM 20'-28' OA (SEE PLAN), SL, MIN 3.5'x3.5' RB, RP, MIN 8 LC	23
·	VM2	VEITCHIA MONTGOMERYANA - MONTGOMERY PALM 20'-28' OA, DBL, (SEE PLAN), MIN 4.5'x4.5' RB, RP, MIN 8 LC	19
	MULCH	MULCH	572 CY
	SOD	ST. AUGUSTINE 'FLORITAM' SOD	2,452 5Y

# EXISTING PLANT LEGEND

SYMBOL	DESC.
	PINDO PALM
	RIBBON PALM
	SABAL PALM/ WASHINGTON FAN PALM
	LIVE OAK
*	CREPE MYRTLE
*	DAHOON HOLLY
	SLASH PINE
	MISC. TREES

	ROBERT J. COTLEUR, L.A.			
DATE	DESCRIPTION	DATE	DESCRIPTION	
				L.A. NO.: 1067 COTLEUR & HEARING, LL
				1934 COMMERCE LN SUIT JUPITER, FL 33458

ERT J. COTLEUR, L.A.

NO.: 1067

LEUR & HEARING, LLC.

COMMERCE LN SUITE 1

TER, FL 33458

DEPARY

ROAD NO.

SR 9

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
ROAD NO. COUNTY FINANCIAL PROJEC		FINANCIAL PROJECT ID	
SR 9	BROWARD	444404-1-52-01	

LEGEND

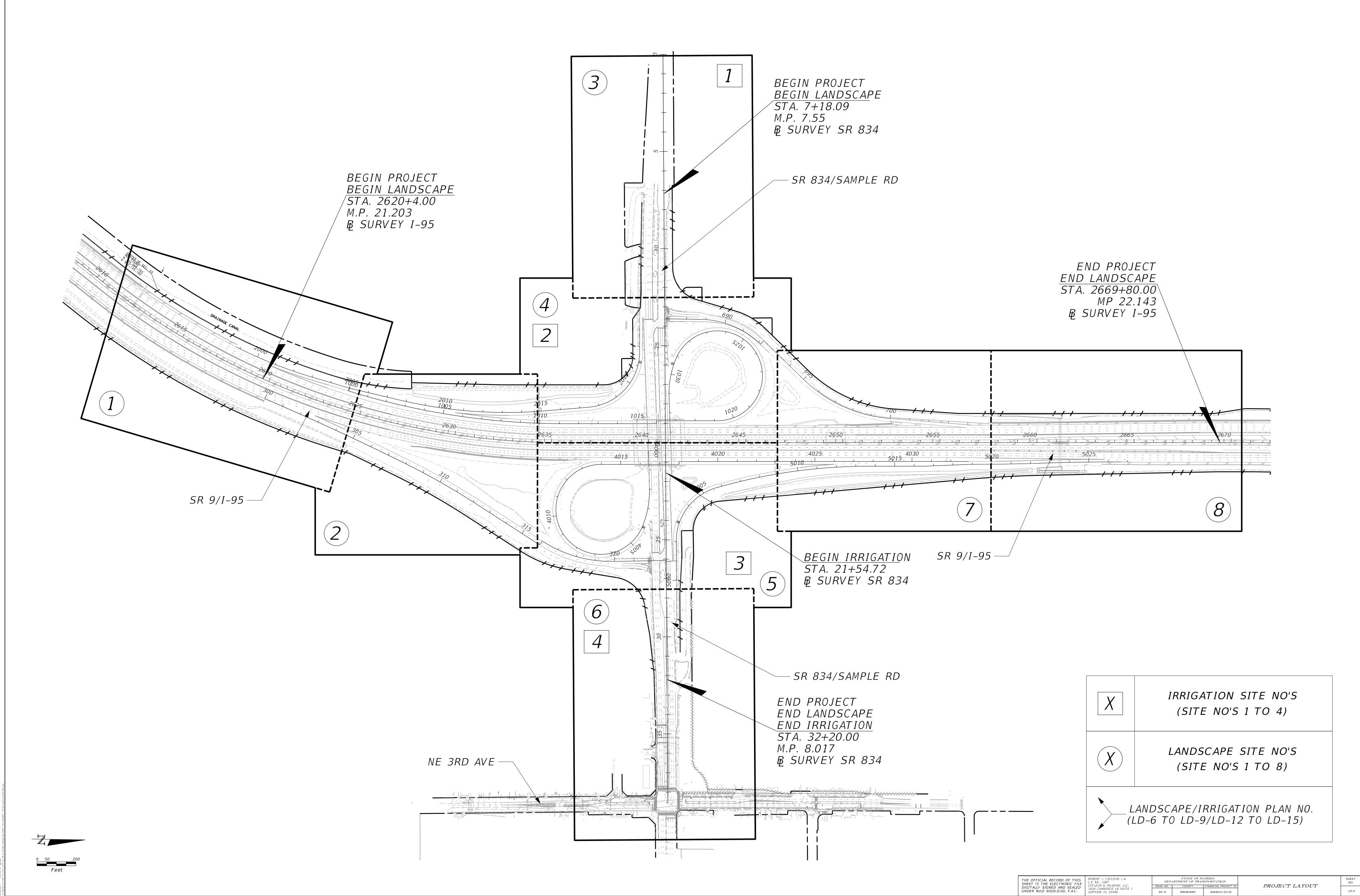
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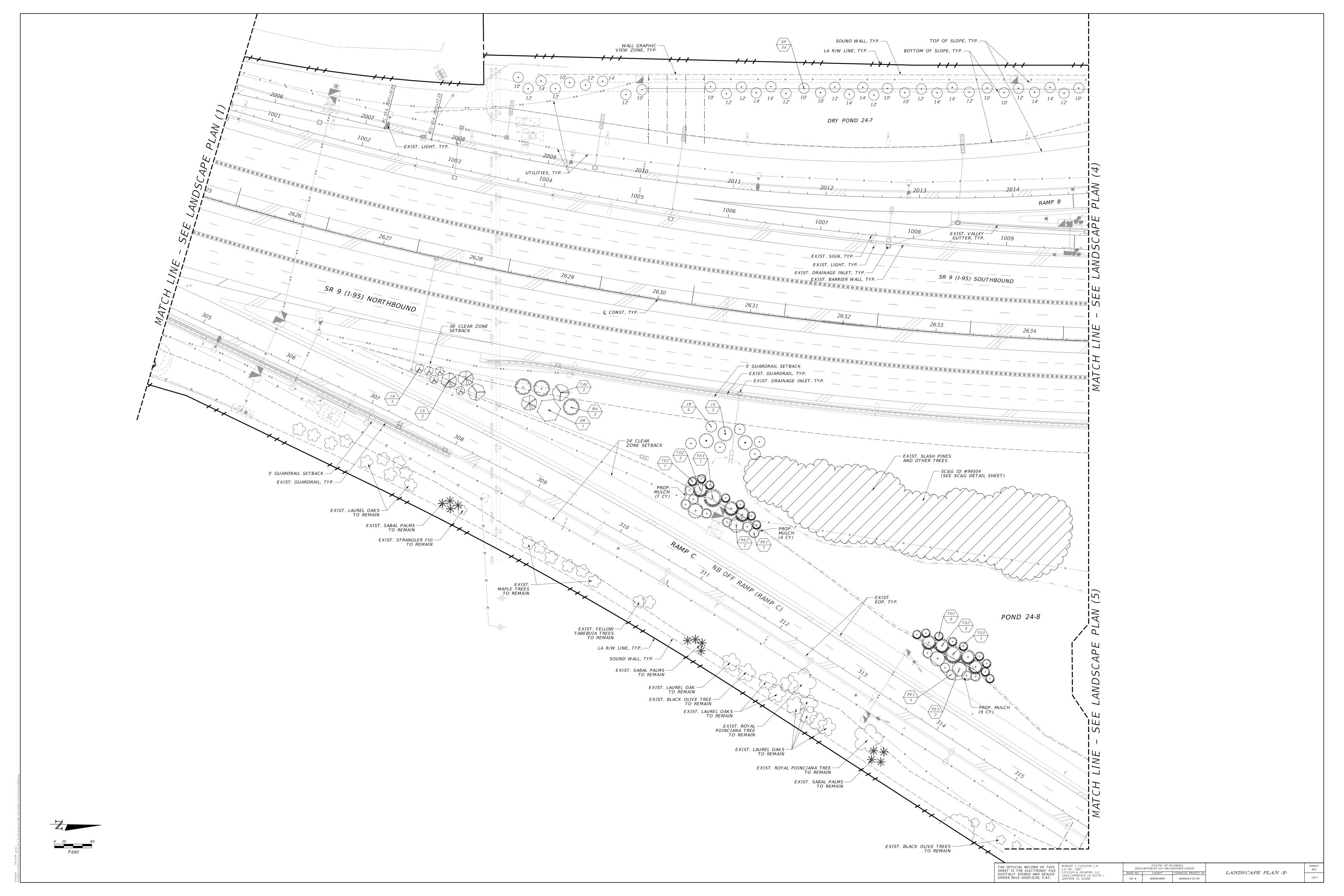
LD-4

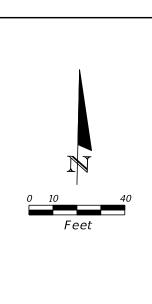
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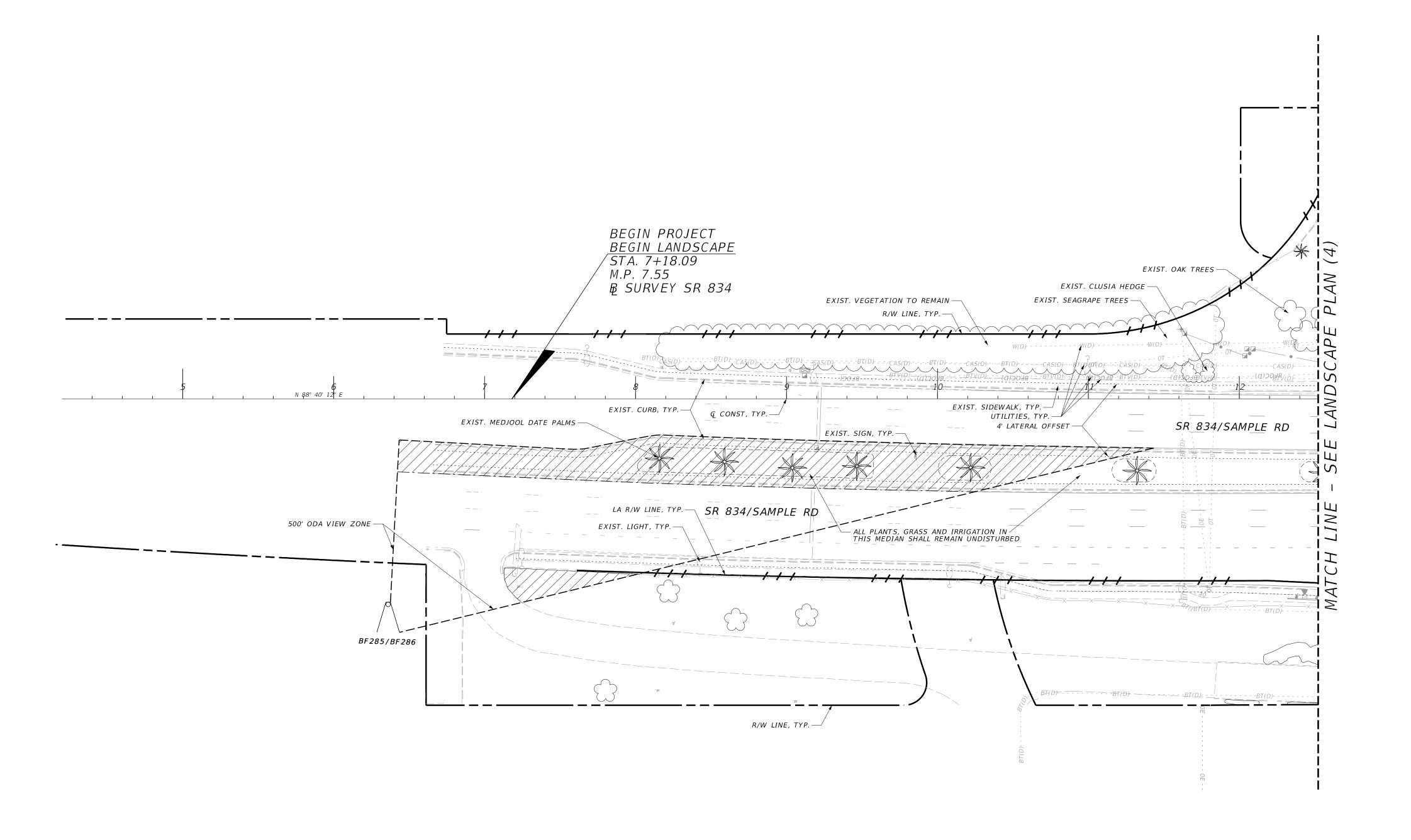
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LD-4









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

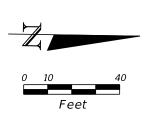
ROBERT J. COTLEUR, L.A.
L.A. NO: 1067
COTLEUR & HEARING, LLC.
1934 COMMERCE LN SUITE 1
JUPITER, FL 33458

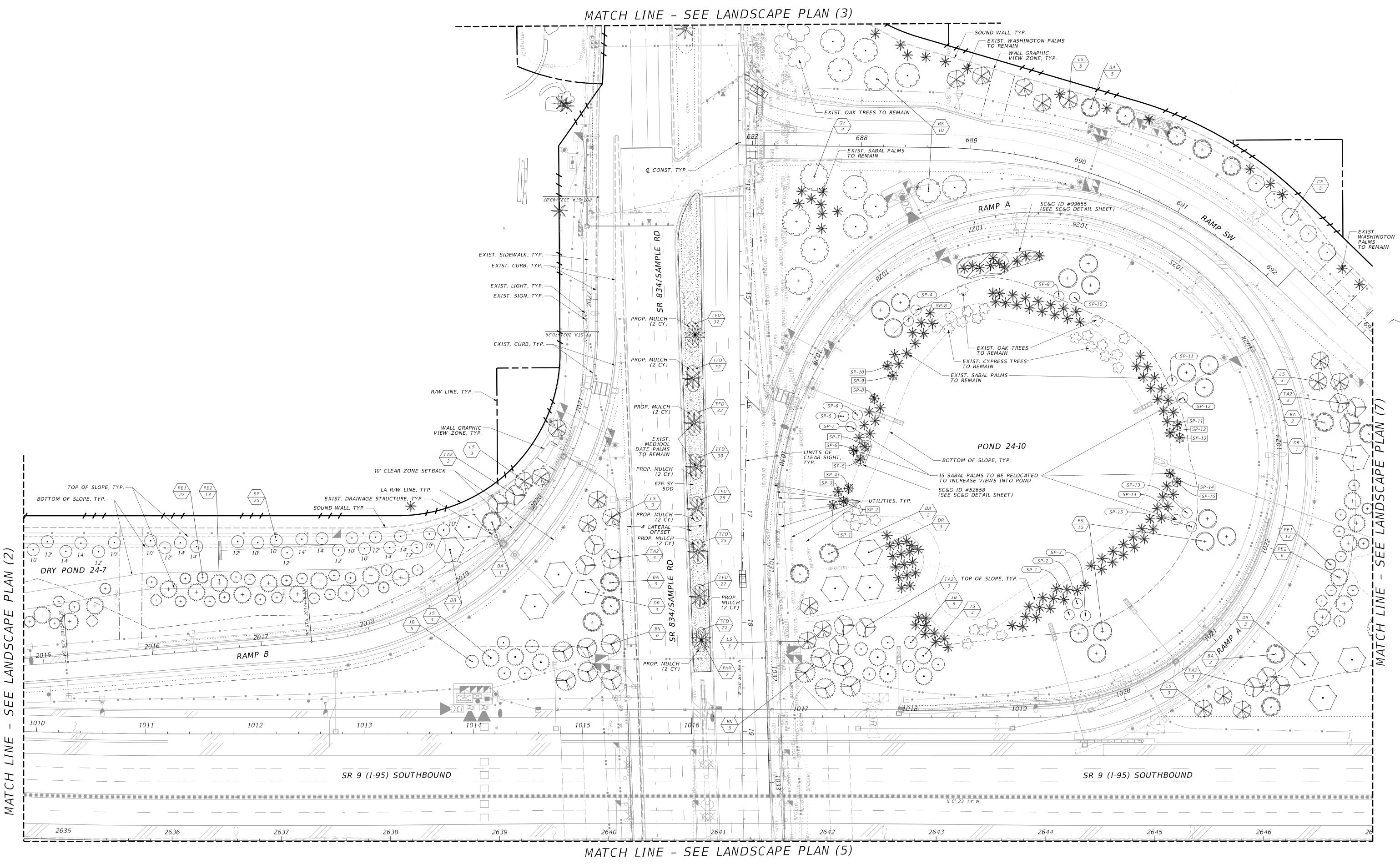
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DEPARTMENT OF TRANSPORTATION

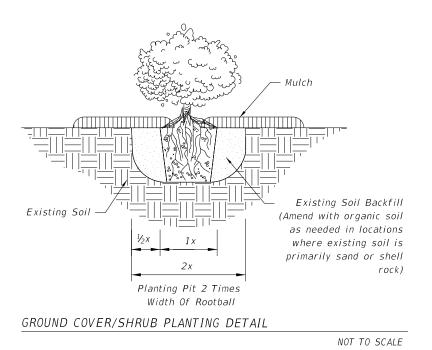
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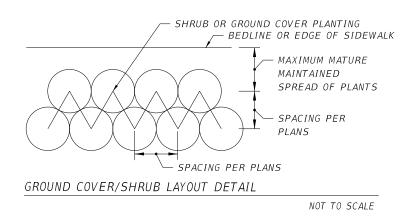
SR 9 BROWARD 444404-1-52-01

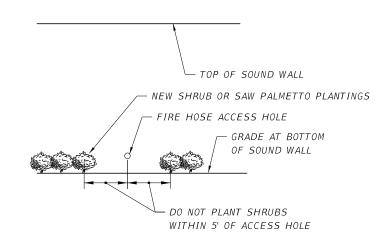
LANDS CAPE PLAN (3)





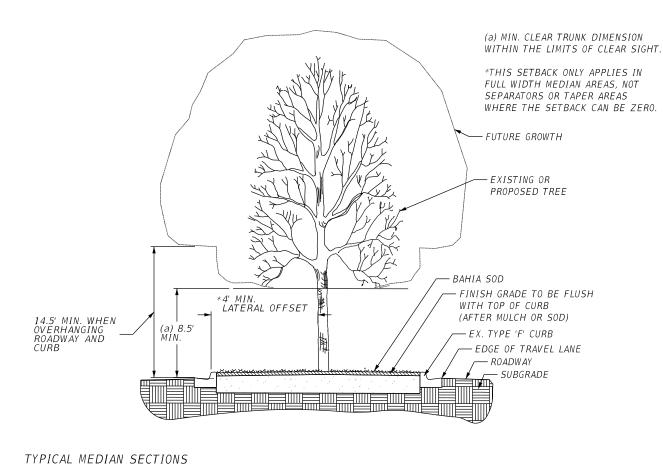






FIRE HOSE ACCESS HOLE DETAIL

NOT TO SCALE



	SUPPLEMENTAL LANDSCAPE SOIL WORK TABLE						
SYMBOL	PLANT TYPE	SPECIES	TOTAL PLAN QTY	SOIL (CF) PER PLANT	SUB TOTAL SOIL (CF)		
TFD	SHRUB	TRIPSACUM DACTYLOIDES, FAKAHATCHEE GRASS, #3 GAL, 2'x 2', 2.5'	551	0.25	137.75		
PEA	TREE	PTYCHOSPERMA ELEGANS, SOLITAIRE PALM, 12' CT (9' -13' RANGE), 15' CT (14'-17' RANGE) (SEE PLAN), SINGLE	15	1.5	22.50		
РНМ	TREE	PHOENIX DACTYLIFERA 'MEDJOOL', MEDJOOL DATE PALM, 10' GW x 16' CT, DC	4	4.0	16.00		
QV	TREE	QUERCUS VIRGINIANA, LIVE OAK, 16' OA x 8' SPRD, 4.5" CAL	3	2.000	6.00		
NOTE: ONLY PLANTS WITHIN THE SAMPLE ROAD MEDIANS ARE REQUIRED TO HAVE			TOTAL SOIL (CF)	182.3			
SUPPLEMENTAL ORGANIC SOIL ADDED, SEE DETAIL AND NOTES FOR MORE INFORMATION.			TOTAL SOIL (CY)	6.8			

NOT TO SCALE

REVISIONS

DATE DESCRIPTION DATE DESCRIPTION

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193
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ROBERT J. COTLEUR, L.A. L.A. NO.: 1067 COTLEUR & HEARING, LLC. 1934 COMMERCE LN SUITE 1 JUPITER, FL 33458 STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID

SR 9 BROWARD 444404-1-52-01

LANDS CAPE DETAILS

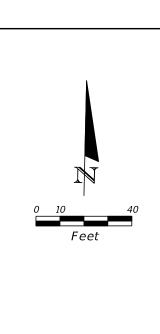
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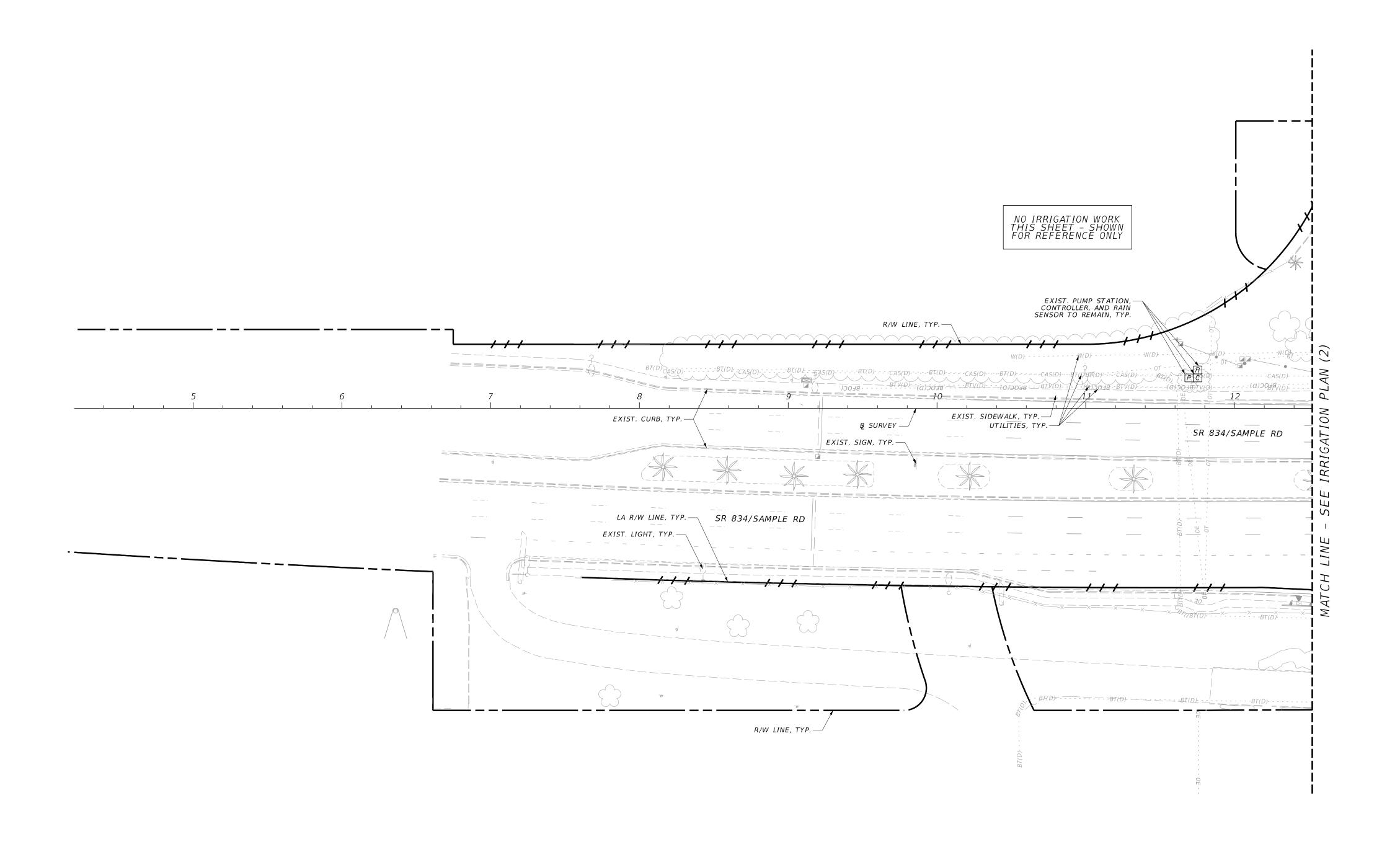
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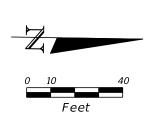
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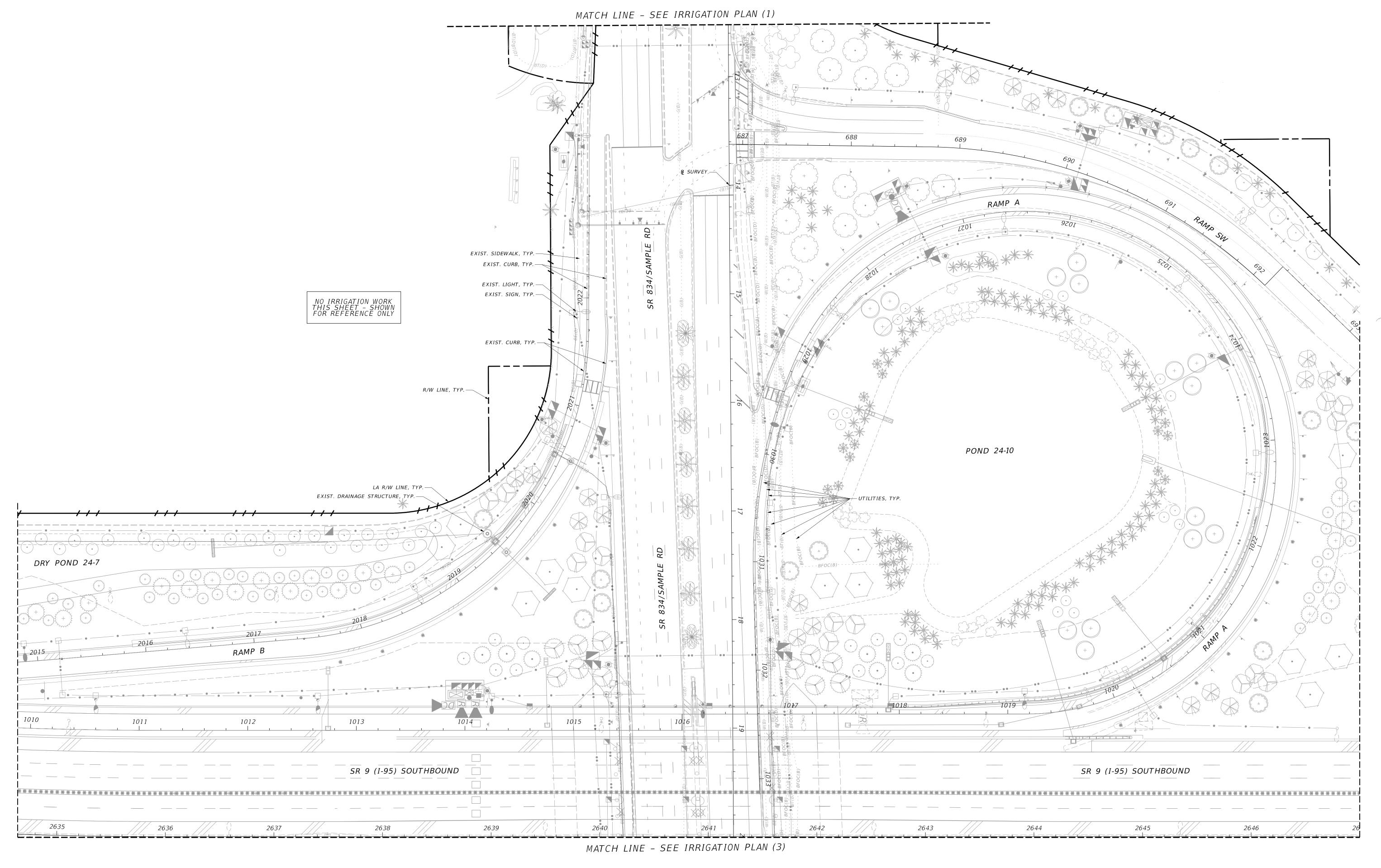
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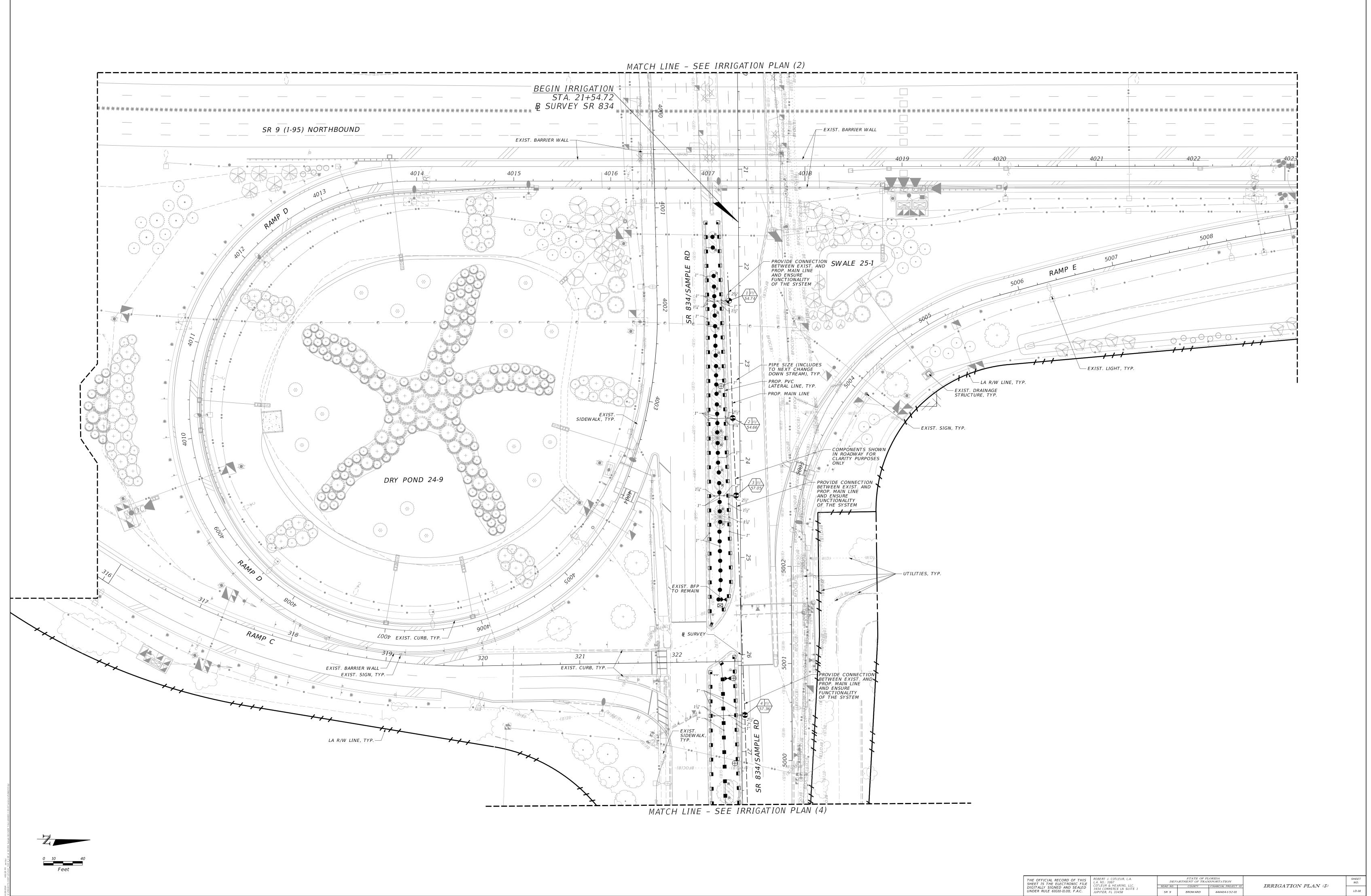
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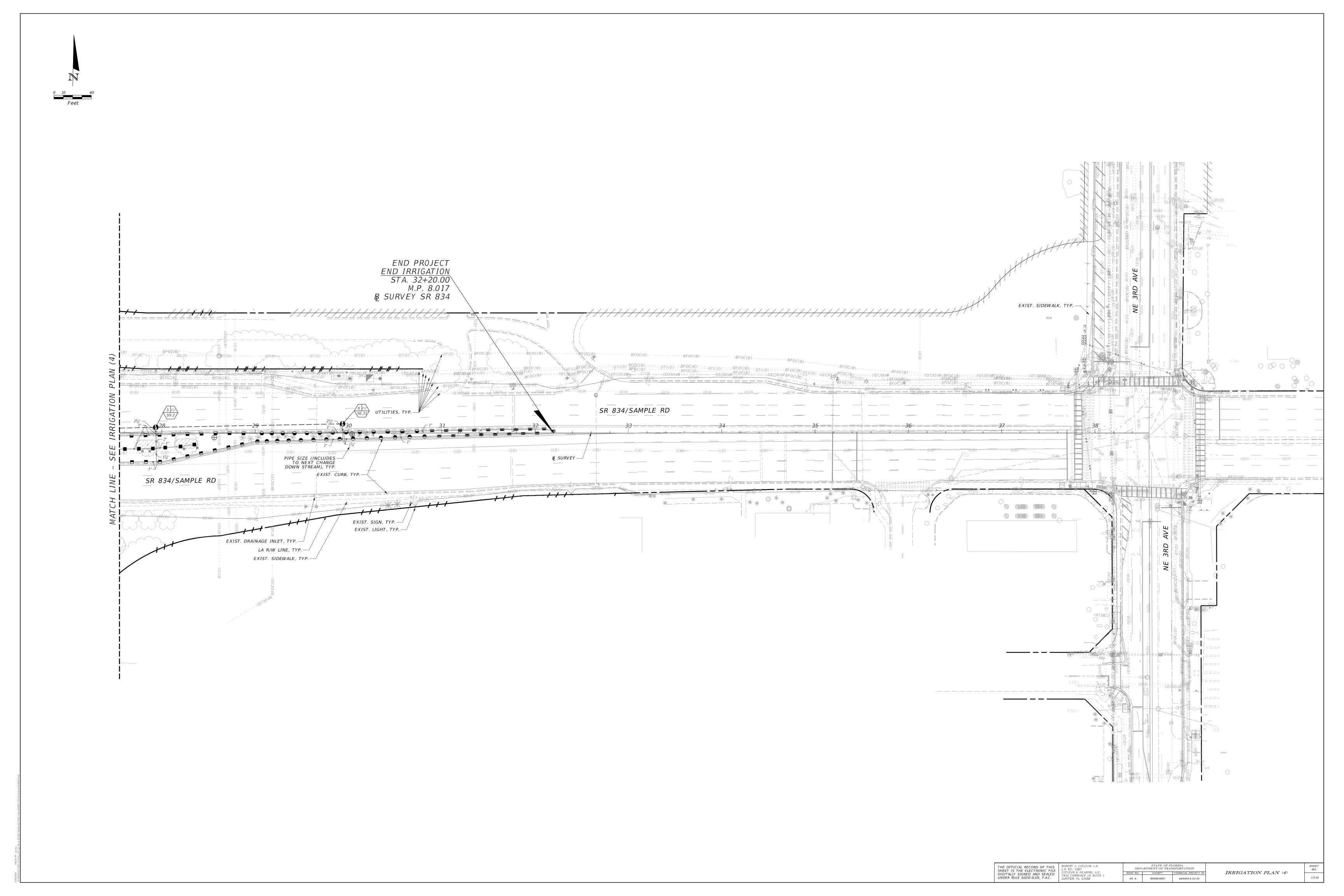












#### IRRIGATION LEGEND

RAIN BIRD 1806-SAM-PRS WITH MPR NOZZLE;
6" POP-UP, END STRIP (0.61 GPM)
(MODEL NO. #1806)

RAIN BIRD 1806-SAM-PRS WITH MPR NOZZLE; 6" POP-UP, SIDE STRIP (1.21 GPM) (MODEL NO. #1806)

RAIN BIRD 1806-SAM-PRS WITH VAN NOZZLE; 6" POP-UP, 10' RADIUS, HALF (1.45 GPM) (MODEL NO. #1806)

> RAIN BIRD 1806-SAM-PRS WITH VAN NOZZLE; 6" POP-UP, 10' RADIUS, FULL (2.60 GM) (MODEL NO. #1806)

RAIN BIRD VAN NOZZLE WITH RISER ASSEMBLY; 10' RADIUS, FULL (2.60 GPM) (MODEL NO. #1806)

RAIN BIRD 1806-SAM-PRS WITH VAN NOZZLE; 6" POP-UP, 15' RADIUS, QUARTER (0.92 GPM) (MODEL NO. #1806)

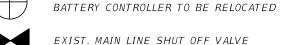
RAIN BIRD 1806-SAM-PRS WITH VAN NOZZLE; 6" POP-UP, 15' RADIUS, HALF (1.85 GPM) (MODEL NO. #1806)

RAIN BIRD 1806-SAM-PRS WITH VAN NOZZLE; 6" POP-UP, 15' RADIUS, FULL (3.70 GPM) (MODEL NO. #1806) RAIN AND H WITH (MODE

RAIN BIRD PEB 1.5" ELECTRIC VALVE AND HUNTER NODE BATTERY CONTROLLER WITH TIER 15 VALVE BOX (MODEL NO. #150-PEB)

EXIST. ELECTRIC CONTROL VALVE AND





EXIST. BACKFLOW PREVENTER

P EXIST. PUMP STATION

EXIST. CONTROLLER

EXIST. RAIN SENSOR

- PROP. SCH 40 LATERAL LINE (SIZE NOTED ON PLANS)

— — PROP. SCH 40 MAIN LINE (MATCH EXISTING SIZE)

- - EXIST. SCH 40 MAIN LINE

REVISIONS

ATE DESCRIPTION DATE DESCRIPTION

COTLEUR, L.A. No.: 1067
COTLEUR & HEARING, LLC.
1934 COMMERCE LN SUITE 1
JUPITER, FL 33458

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID

IRRIGATION DETAILS

SHEET NO.

LD-20

RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER R

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**BROW ARD** 

SR 9

444404-1-52-01

28/2024

# SYSTEM DESIGN CRITERIA FOR LATERAL PIPE SIZES

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\*ALL SLEEVING IS TO BE AT LEAST TWICE THE SIZE OF PIPE TRAVELING THROUGH \*ALL PIPE SHALL BE SIZED IN ACCORDANCE WITH THE PLANS, ABOVE CRITERIA PROVIDED FOR REFERENCE ONLY.

40

EXISTING ELECTRIC -VALVE AND VALVE BOX TO BE RELOCATED ZONE NUMBER RECEPTOR LOCATION OF VALVE SIZE RELOCATED ELECTRIC VALVE AND VALVE BOX 8

# VALVE LABEL DETAIL

PROPOSED ELECTRIC

VALVE IN PROPOSED

TIER 15 VALVE BOX

NOT TO SCALE

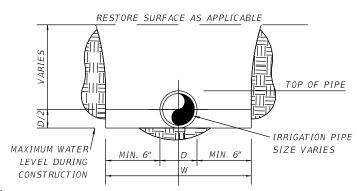
GALLONS PER MINUTE

# SPRAY NOZZLE (SEE IRRIGATION LEGEND FOR PATTERN, -PLANT MATERIAL, MULCH OR SOD FINISH GRADE/ TOP OF MULCH HEAVY DUTY, PRESSURE REGULATING (40 PSI) POP-UP SPRAY BODY 1/2-INCH MALE NPT X .490 INCH BARB ELBOW - POLY PIPF PVC LATERAL PIPE PVC SCH. 40 TEE OR ELL -1/2-INCH MALE NPT X .490 INCH BARB ELBOW

NOTES. 1. INSTALL IRRIGATION HEADS 4" FROM EDGE OF SIDEWALK/CURB

#### 6" POP-UP SPRINKLER NOT TO SCALE (Rain Bird #1806)

SR 9

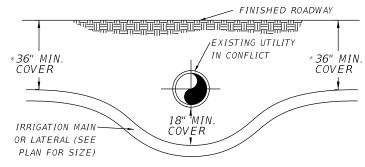


NOTES:

BEDDING FOR TYPICAL IRRIGATION MAIN OR LATERAL INSTALLATION SHALL BE TYPE C. BEDDING SHALL BE COMPACTED TO 95% OF THE MATERIALS MAXIMUM DENSITY AS DETERMINED IN ASTM D-1557 (AASHTO T-180). TYPE C BEDDING SHALL BE DEFINED AS: SAND WITH 100 PERCENT PASSING A 9.75 SIEVE, AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 30. \* FOR LOCATIONS WITHIN 3' OF CURB OR ROADWAY PAVEMENT AND OVER 18" DEEP. FOR LOCATIONS OUTSIDE OF 3' FROM THE CURB OR LESS THAN 18" DEEP. THE BACKFILL CAN BE EXISTING CLEAN SOIL AND IT DOES NOT NEED TO BE COMPACTED.

#### \* TYPICAL TRENCH DETAIL

NOT TO SCALE



NOTE: IRRIGATION MAIN LINES OR LATERAL LINES THAT ARE SHOWN AS PVC PIPES IN SLEEVES MAY NEED TO BE SUBSTITUTED WITH H.D.P.E. PIPE AND DIRECTIONALLY DRILLED WHERE EXISTING UTILITIES CAN NOT BE CROSSED WITHOUT EXCESSIVE EXCAVATION. COORDINATE ALL CHANGES WITH ENGINEER.

\*WHERE PIPES ARE INSTALLED VIA DIRECTIONAL DRILLING THE MINIMUM COVER DIMENSION WILL BE IN ACCORDANCE WITH THE FDOT UTILITY ACCOMMODATION MANUAL

#### TYPICAL CONFLICT DETAIL

NOT TO SCALE

	D
DESCRIPTION	
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	DESCRIPTION

HUNTER NODE BATTERY CONTROLLER (CLAMPED TO SOLENOID)

T.O.E. NIPPLE

RAINBIRD VAN NOZZLE ON RAIN BIRD 1806-SAM-PRS (SEE PLAN FOR TYPE)

STAINLESS STEEL HOSE CLAMPS (2 PER RISER)

PAINT RISER ASSEMBLY BLACK

UV RADIATION RESISTANT 1/2 INCH PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)

1/2-INCH MALE NPT x .490-INCH BARB ELBOW

NOT TO SCALE

3/4" SCH. 40 PVC LATERAL PIPE

1/2-INCH MALE NPT x 0.490-INCH BARB ELBOW

5/8" REBAR STAKE BURIED 18" DEEP

FINISH GRADE/TOP OF MULCH

1.5" REMOTE CONTROL VALVE WITH GLASS FILLED NYLON CONSTRUCTION

TIER 15 CONCRETE/POLYMER

EXISTING AND PROPOSED MAIN LINE PIPE AND

NOT TO SCALE

CONTROL WIRES PROVIDE CONNECTION FROM HUNTER NODE CONTROLLER TO VALVE SOLENOID

FINISH GRADE -

EXISTING BRICK -SUPPORTS

PVC SLIP UNIONS (2)

*VALVE DETAIL* 

HEIGHT 6" to 12"

ABOVE ADJACENT

SHRUBS

BURY RISER

18" MIN.

EXISTING WASHED GRAVEL

(Rain Bird 1.5" #150-PEB)

POLY PIPE -

RISER SPRAY DETAIL

(Rain Bird #1806)

PVC SCH. 40 TEE OR ELL

ROBERT J. COTLEUR, L.A. L.A. NO.: 1067 COTLEUR & HEARING, LLC. 1934 COMMERCE LN SUITE 1 JUPITER, FL 33458

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID

**BROWARD** 

SHEET NO.

IRRIGATION DETAILS

LD-21

444404-1-52-01

#### **EXHIBIT C**

## APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the Florida Department of Transportation and the AGENCY.

Approximate Cost of Landscape Improvements within the MMOA area: \$\_414,074.69\_

See attached table for cost breakdown.

# I-95/SAMPLE RD INTERCHANGE - LANDSCAPE COST ESTIMATE (MMOA LIMITS ONLY)

## FPI# 444404-1-52-01, CH# 22-0121 TWO 9 11/8/2023

SYMBOL	DESCRIPTION	NATIVE	MAX. MAINT. SIZE	UNIT	TOTAL QUANTITY		NSTALLED LANT COST		SUB TOTAL
	LUMP SUM CONTRACT			LS	1			\$	1,214,305.00
	SELECTIVE CLEARING & GRUBBING			AC	0.72	\$	_ :; : 0 0 : 0 0		17,235.49
	St. Augustine 'Floritam' Sod			SY	2,452	\$	5.25	\$	12,873.00
	INCIDENTAL			LS	1			\$	17,145.00
	Mulch			CY	381	\$	45.00	\$	17,145.00
	SMALL PLANTS			LS	1			\$	6,612.00
TFD	Tripsacum dactyloides, Fakahatchee Grass, #3 Gal, 2'x 2', 2.5' OC	Υ	3'	EΑ	551	\$	12.00	\$	6,612.00
	LARGE PLANTS			LS	1			\$	320,689.00
AW	Acoelorrhaphe wrightii, Paurotis Palm, 15' OA x 10' SPRD, 12 Canes Min, Clean Base	Υ	25' (NF)	EA	15	\$	900.00	-	13,500.00
BA	Bulnesia arborea, Verawood, 14'x 6', 3" Cal, Full	Ν	40'	EA	10	\$	590.00	-	5,900.00
BN	<u> Bismarckia nobilis 'Silver', Silver Bismarck Palm, 15' CT, Min 5.5'x5.5' RB, RP, FF, Min 7 LC.</u>	Ν	40' (NF)	EA	12	\$	2,400.00		28,800.00
BS	Bursera simaruba, Gumbo Limbo, 16' OA x 8' SPRD, 6" Cal	Υ	40' (NF)	EA	5	\$	590.00	-	2,950.00
DR	Delonix regia, Royal Poinciana, 14'x 8', 5" Cal	Ν	40'	EA	8	\$	950.00		7,600.00
JA	Jatropha integerrima standard, Peregrina 6' x 4'	Ν	10'	EΑ	11	\$	450.00	\$	4,950.00
JB	Juniperus virginiana silicicola 'Brodie', Southern Red Cedar, 12'x 5'	Ν	30' (NF)	EΑ	24	\$	550.00	\$	13,200.00
JS	Juniperus v. silicicola, Southern Red Cedar, 16' OA x 8' SPRD, 5" Cal	Υ	30' (NF)	EΑ	14	\$	950.00	\$	13,300.00
LS	Lagerstroemia speciosa, Queen's Crepe Myrtle, 12' OA x 6' SPRD, Limb up 5'	Ν	25'	EΑ	17	\$	450.00	\$	7,650.00
PE1	Pinus elliotii densa, So. Florida Slash Pine, 8'-10' OA, 3" Cal	Υ	40' (NF)	EΑ	93	\$	400.00	\$	37,200.00
PE2	Pinus elliotii densa, So. Florida Slash Pine, 14'-16' OA, 6" Cal	Υ	40' (NF)	EΑ	46	\$	650.00	\$	29,900.00
PEA	Ptychosperma elegans, Solitaire Palm, 12' CT (9' -13' Range), 15' CT (14'-17' Range) (See Plan), Single	Ν	25'	EA	15	\$	495.00	\$	7,425.00
PHM	Phoenix dactylifera 'Medjool', Medjool Date Palm, 10' GW x 16' CT, DC	Ν	50'	EA	4	\$	7,000.00	\$	28,000.00
Q۷	Quercus Virginiana, Live Oak, 16' OA x 8' SPRD, 4.5" Cal	Υ	50' (NF)	EA	6	\$	775.00	\$	4,650.00
SP	Sabal Palmetto, Sabal Palmetto, 10'-24' CT (See Plan), Slick	Υ	50' (NF)	EA	59	\$	260.00	\$	15,340.00
TA2	Tabebuia caraiba, Silver Trumpet Tree, 12'-14' OA x 6'-7' SPRD, 5" - 6" Cal	Ν	25'	EΑ	9	\$	561.00	\$	5,049.00
TD1	Taxodium distichum, Bald Cypress, 10' OA, 3.5" Cal, B&B	Υ	50' (NF)	EA	118	\$	400.00	\$	47,200.00
TD2	Taxodium distichum, Bald Cypress, 14' OA, 5.5" Cal, B&B	Υ	50' (NF)	EA	38	\$	700.00	\$	26,600.00
TD3	Taxodium distichum, Bald Cypress, 18' OA, 7" Cal, B&B	Υ	50' (NF)	EΑ	19	\$	975.00	\$	18,525.00
TR	Thrinax radiata, Florida Thatch Palm, 8'-10' OA, SL	Υ	20' (NF)	ΕA	5	\$	590.00	\$	2,950.00
	IRRIGATION SYSTEM (PAY ITEM #590-70)			LS	1			\$	39,520.20
	6" Pop-Up, End Strip			EΑ	2	\$	55.00	\$	110.00
	6" Pop-Up, Side Strip			EΑ	17	\$	55.00	\$	935.00
	6" Pop-Up, 10' Radius, Half			ΕA	27	\$	55.00	\$	1,485.00
	6" Pop-Up, 10' Radius, Full			ΕA	20	\$	55.00		1,100.00
	6" Pop-Up, 15' Radius, Quarter			EΑ	4	\$	55.00	\$	220.00
	6" Pop-Up, 15' Radius, Half			EΑ	92	\$	55.00		5,060.00
	6" Pop-Up, 15' Radius, Full			EA	15	\$	55.00		825.00
	Riser Assembly - 10' Radius, Full			EA	16	\$	45.00		720.00
	1.5" Electric Control Valve in Tier 15 Concrete-Polymer Valve Box			EA	1	\$	600.00		600.00
	Bluetooth Controller			EΑ	1	\$	400.00		400.00
	Main Line (Size noted on plans)			LF	564	\$	6.80	\$	3,835.20
	Lateral Line (Size noted on plans)			LF	2.600	\$	3.55		9,230.00
	Misc. (Fittings, Mobilization, Component Relocation, etc.)			LS	1	\$	15,000.00	\$	15,000.00
		SUB-TOTAL LANDSCAP							374,554.49
					SUB-TOTA	L IR	RIGATION	\$	39,520.20
	TOTAL PROJECT COST							\$	414,074.69

## **EXHIBIT D**

#### **RESOLUTION**

This Exhibit forms an integral part of the LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the Florida Department of Transportation and the AGENCY.

Please see attached

(Will be provided by City)