

**SECTION No. 86100**  
**S.R. No.(s): 7**  
**FM No: 227775-3-52-01**  
**COUNTY: Broward**

**DISTRICT FOUR (4) AMENDMENT NUMBER FIVE (5) TO STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE  
MEMORANDUM OF AGREEMENT**

**THIS AMENDMENT Number Five (5)** to the Agreement dated **February 26, 2013** made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT and the **CITY OF HOLLYWOOD**, a municipal subdivision of the State of Florida, hereinafter called the AGENCY.

**W I T N E S S E T H**

**WHEREAS**, the parties entered into the Landscape Inclusive Maintenance of Agreement dated, **February 26, 2013** for the purpose of maintaining the landscape improvements by the AGENCY on various roads including **State Road 7 (US 441)**; and,

**WHEREAS**, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on **State Road (US 441)** 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:

1. Pursuant to page 5, paragraph 7 of the Landscape Inclusive Maintenance Memorandum of Agreement including **State Road 7 (US 441)** dated **February 26, 2013**, the DEPARTMENT has decided to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road 7 (US 441) from Pembroke Road (M.P. 1.56) to North of Farragut Drive at the boundary line between the City of Hollywood and the Seminole Tribe (M.P. 4.34), City of Hollywood includes medians, linear parks and landscape area (between the roadway and the right of way line). In accordance with the plans attached as **Exhibit "B"**.
2. The **AGENCY** shall agree to maintain the landscape improvements including landscape maintenance of the dry retention ponds in the Inclusive Agreement described above and as provided in accordance with the attached as Maintenance Plan, "**Exhibit C**", and Pond Maintenance, "**Exhibit E**".
3. The DEPARTMENT agrees to enter into a contract to have installed said landscape improvements for an amount as indication in **Exhibit "D"** not to exceed **\$1,767,857.22**.

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

#### LIST OF EXHIBITS

- Exhibit A - Landscape Improvements Limits and Maintenance Boundaries and Location Map
- Exhibit B - Landscape Improvement Plans
- Exhibit C - Maintenance Plan for Landscape Improvements
- Exhibit D - Cost Estimate
- Exhibit E - Pond Maintenance

In Witness whereof, the parties hereto have executed with this Amendment effective the \_\_\_\_ day \_\_\_\_\_ year written and approved.

CITY OF HOLLYWOOD

By: \_\_\_\_\_  
Chairperson/Mayor/City Manager

Attest: \_\_\_\_\_ (SEAL)  
Clerk

Legal Review \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_  
Transportation Development Director

Attest: \_\_\_\_\_ (SEAL)  
Executive Secretary

Legal Review \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_ Office of the General Counsel

**SECTION No.: 86100**  
**S.R. No.(s): 7**  
**FM No: 227775-3-52-01**  
**COUNTY: Broward**

**EXHIBIT A**

**LANDSCAPE IMPROVEMENTS PROJECT LIMITS**

**MAINTENANCE BOUNDARIES LIMITS AND LOCATION BOUNDARIES MAP**

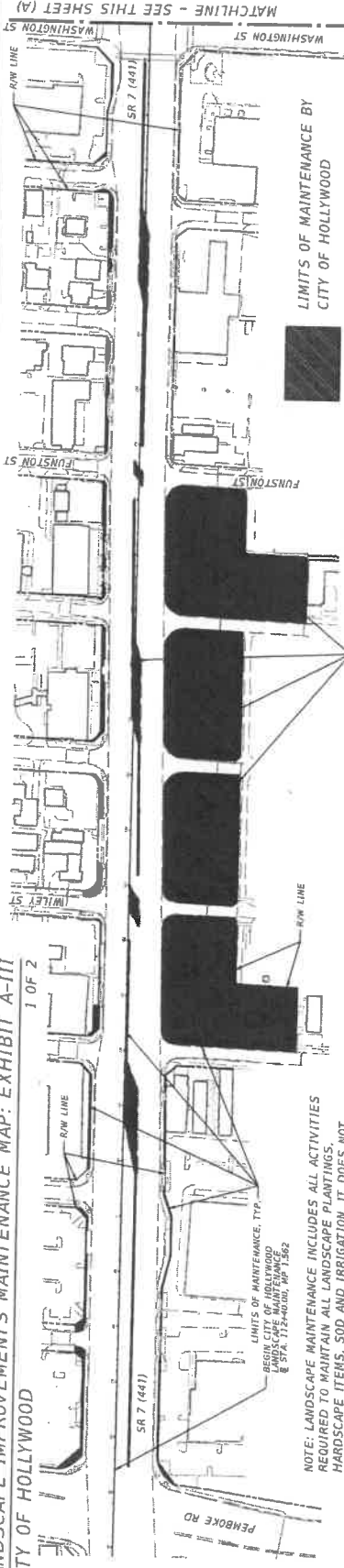
- I. INCLUSIVE LIMITS OF LANDSCAPE IMPROVEMENTS MAINTENANCE FOR THE ROADWAY FOR STATE ROAD 7 (US 441):  
Section 86100000  
(State Road 824/Pembroke Road) M.P. 1.56 to (515' North of Farragut Street) M.P. 4.34
  
- II. LANDSCAPE IMPROVEMENTS MAINTENANCE LIMITS AND MAINTENANCE BOUNDARIES MAP FOR THIS PROJECT:  
State Road 7 (US 441) from Pembroke Road (M.P. 1.56) to North of Farragut Drive at the boundary line between the City of Hollywood and the Seminole Tribe (M.P. 4.34)  
City of Hollywood includes medians, linear parks and landscape area (between the roadway and the right of way line)

\*All limits of the original agreement and amendments shall apply

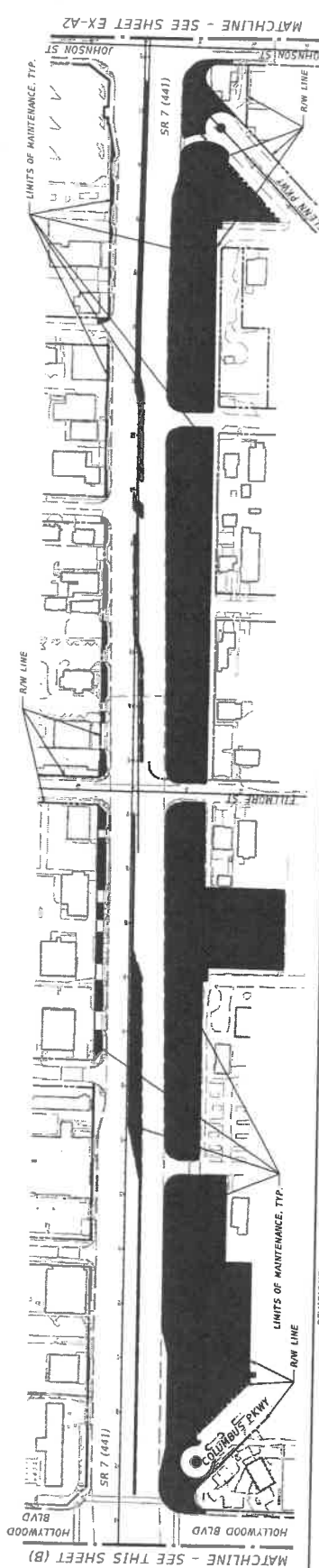
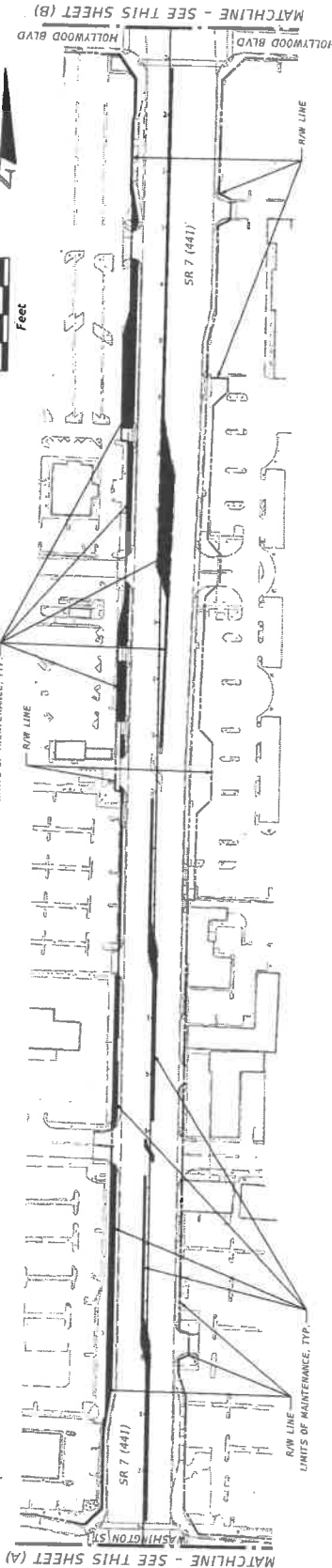
Please See Attached

LANDSCAPE IMPROVEMENTS MAINTENANCE MAP: EXHIBIT A-III  
CITY OF HOLLYWOOD

1 OF 2



NOTE: LANDSCAPE MAINTENANCE INCLUDES ALL ACTIVITIES REQUIRED TO MAINTAIN ALL LANDSCAPE PLANTINGS, HARDSCAPE ITEMS, SOD AND IRRIGATION. IT DOES NOT INCLUDE MAINTAINING THE FUNCTIONALITY OF THE PONDS, ROADWAY OR DRAINAGE STRUCTURES.



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.A. #1087  
**Cotleur & Hearing, Inc.**  
1934 Commerce Lane, Suite 1  
Jupiter, Florida 33458  
Tel: 407-8536 Fax: 561-749-1377  
Cell: 813-448-8829

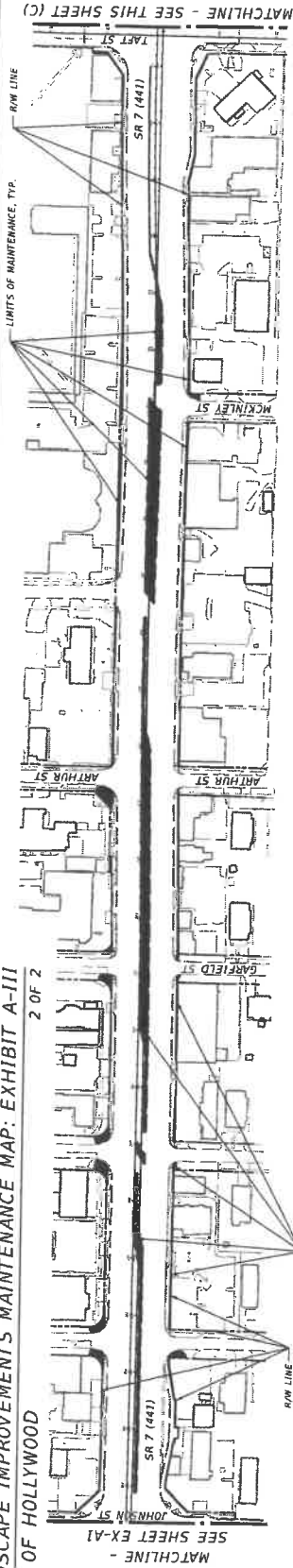
STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227774-3-52-01

LANDSCAPE IMPROVEMENTS  
MAINTENANCE MAP

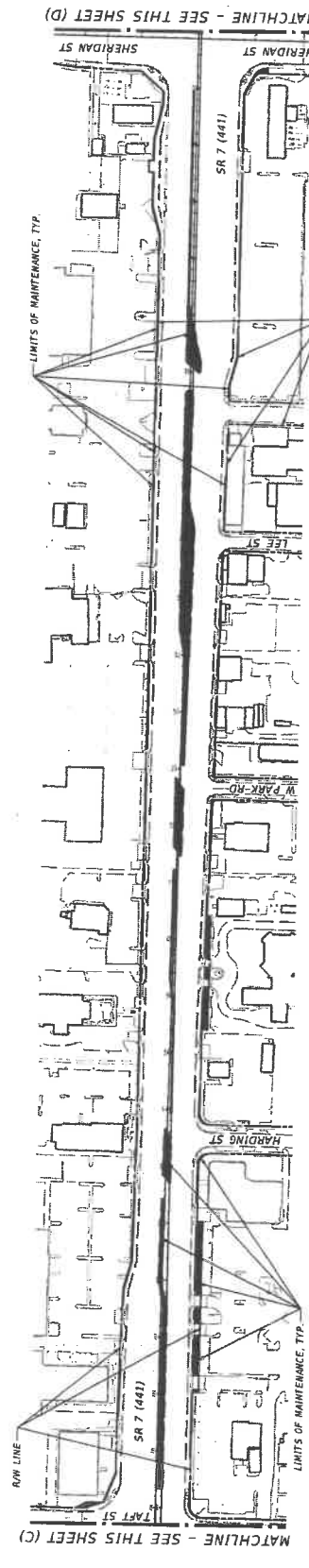
SHEET NO. EX-A1

STILES STILES

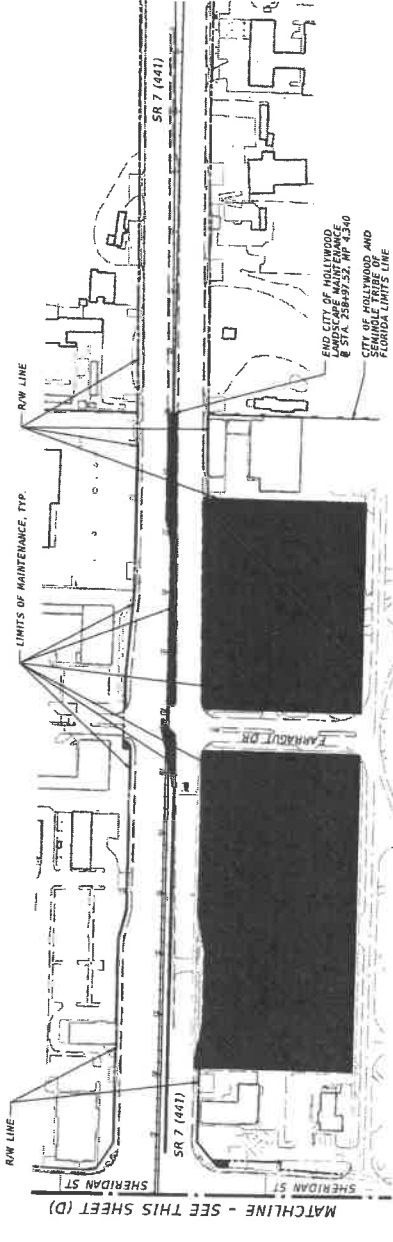
LANDSCAPE IMPROVEMENTS MAINTENANCE MAP: EXHIBIT A-III  
2 OF 2  
CITY OF HOLLYWOOD



MATCHLINE - SEE SHEET EX-A1

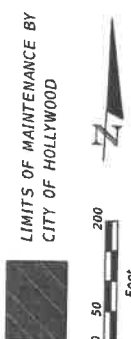


MATCHLINE - SEE THIS SHEET (C)



MATCHLINE - SEE THIS SHEET (D)

NOTE: LANDSCAPE MAINTENANCE INCLUDES ALL ACTIVITIES REQUIRED TO MAINTAIN ALL LANDSCAPE PLANTINGS, HARDSCAPE ITEMS, SOD AND IRRIGATION. IT DOES NOT INCLUDE MAINTAINING THE FUNCTIONALITY OF THE PONDS, ROADWAY OR DRAINAGE STRUCTURES.



LIMITS OF MAINTENANCE BY  
CITY OF HOLLYWOOD

END CITY OF HOLLYWOOD  
E STA. 2518+97.52, WP 4.30  
CITY OF HOLLYWOOD AND  
SEMINOLE TRIBE OF  
FLORIDA LIMITS LINE

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect: Robert J. Collier, Ruk #1087  
1934  
Jupiter, Florida 33458  
561-747-6326 Fax 561-747-1377  
Cert. of Arch. LC-000239

**Cotleur & Hearing, Inc.**

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. SR 7	COUNTY BROWARD
FINANCIAL PROJECT ID 227774-3-52-01	

SHEET NO. EX-A2
LANDSCAPE IMPROVEMENTS MAINTENANCE MAP

**SECTION No.(s): 86100**  
**S.R. No.: 7**  
**FM No: 227775-3-52-01**  
**COUNTY: Broward**

**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: **Robert J. Cotleur, RLA**  
**Cotleur and Hearing, Inc.**

**Date: April 12, 2017**

CONTRACT PLANS COMPONENTS  
LANDSCAPE PLANS

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

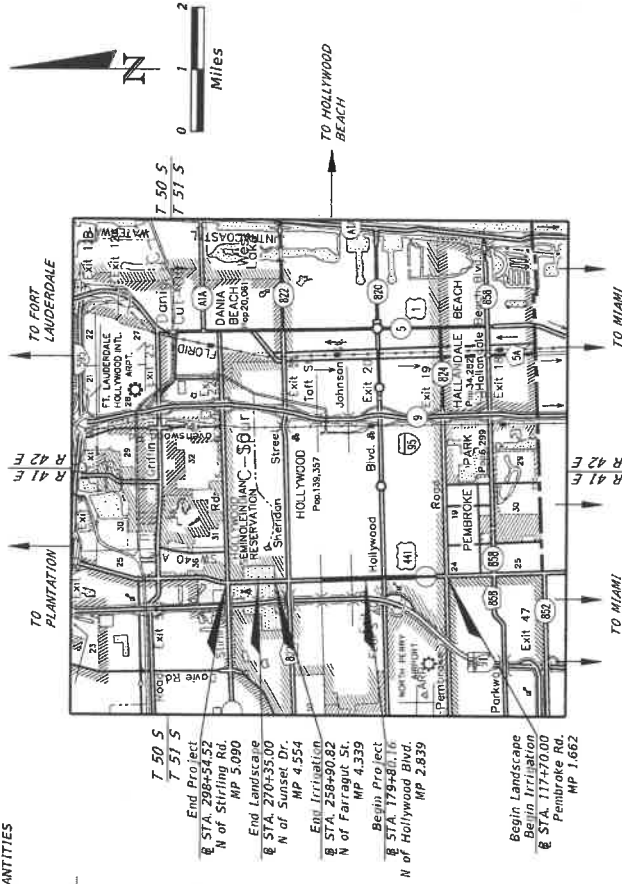
CONTRACT PLANS

FINANCIAL PROJECT ID 227775-3-52-01  
BROWARD COUNTY (86100)  
STATE ROAD NO. 7

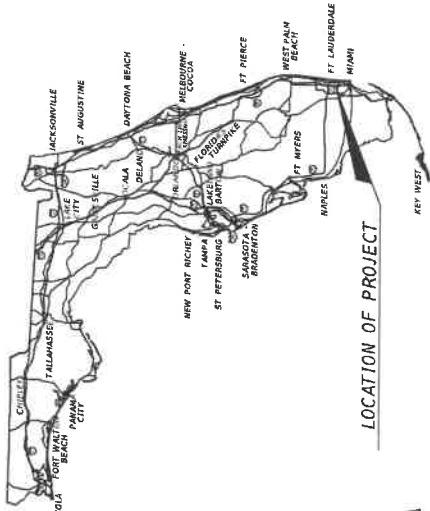
LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-3	SUMMARY OF PAY ITEMS
LD-4 TO LD-8	TABULATION OF QUANTITIES AND PLANT SCHEDULE
LD-9	SUMMARY OF QUANTITIES
LD-10	LANDSCAPE PROJECT NOTES
LD-11 TO LD-12	LANDSCAPE DETAILS
LD-13 TO LD-41	LANDSCAPE PLAN
LD-42A TO LD-42B	IRRIGATION LEGEND AND TABULATION OF QUANTITIES
LD-43	IRRIGATION PROJECT NOTES AND DETAILS
LD-44 TO LD-47	IRRIGATION PLAN
LD-48 TO LD-76	IRRIGATION PLAN
LD-77 TO LD-78	STORM-WATER-POLLUTION-PREVENTION-PLAN
LD-79 TO LD-81	TRAFFIC-CONTROL-PLAN
LD-82	ELECTRICAL-TABULATION-OF-QUANTITIES
LD-83	ELECTRICAL PROJECT NOTES
LD-84 TO LD-86	ELECTRICAL-PLAN-(t-3)



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.01, F.A.C.



LANDSCAPE PLANS  
PROFESSIONAL OF RECORD:  
ROBERT J. COTLEUR, R.L.A. 1067  
COTLEUR & HEARING, INC.  
1934 COMMERCE LANE, SUITE 1  
JUPITER, FL 33458  
CONTRACT NO. C9277  
CERTIFICATE OF AUTHORIZATION NO. LC-26000535

KEY SHEET REVISIONS

DATE	DESCRIPTION

REVISIONS:

GOVERNING DESIGN STANDARDS:  
Florida Department of Transportation, FY 2018 Design Standards eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:  
<http://www.fdot.gov/design/DesignStandards/Standards.shtm>

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, 2018 Standard Specifications for Road and Bridge Construction at the following website:  
<http://www.fdot.gov/programmanagement/implemented/SpecBooks>

CONSTRUCTION CONTRACT NO.	
FISCAL YEAR	18
SHEET NO.	LD-1

FDOT PROJECT MANAGER:  
BRENT LEE-SHUE-LING, P.E.

12:05:34 PM 4/12/2017 F:\PROJECTS-FDOT\2277753201 - SR 7 North\Nandax\Nandax1001.dgn



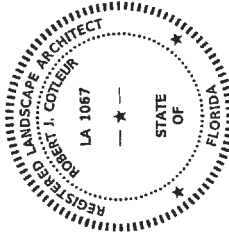
THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by Robert J Cotleur  
Date: 2017.04.12 13:41:34 -04'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

COTLEUR & HEARING, INC.  
1934 COMMERCE LANE, SUITE 1  
JUPITER, FL 33458  
PHONE: (561) 747-6336

VENDOR No.: F-47-1877271  
CERTIFICATE OF AUTHORIZATION: IC-00002339  
ROBERT J. COTLEUR, R.L.A. No. 1067

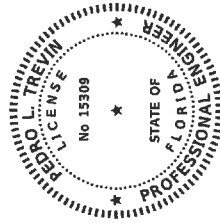


THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61610-11.011, F.A.C.

### LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-3	SUMMARY OF PAY ITEMS
LD-4 TO LD-8	TABULATION OF QUANTITIES AND PLANT SCHEDULE
LD-10	LANDSCAPE PROJECT NOTES
LD-11 TO LD-12	LANDSCAPE DETAILS
LD-13 TO LD-41	LANDSCAPE PLAN
LD-42A TO LD-42B	IRRIGATION LEGEND AND TABULATION OF QUANTITIES
LD-43	IRRIGATION PROJECT NOTES AND DETAILS
LD-44 TO LD-47	IRRIGATION DETAILS
LD-48 TO LD-76	IRRIGATION PLAN

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61615-23.004, F.A.C.

### LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-2	SIGNATURE SHEET
LD-82	ELECTRICAL TABULATION OF QUANTITIES
LD-83	ELECTRICAL PROJECT NOTES
LD-84 TO LD-86	ELECTRICAL PLAN (1-3)

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

ATKINS  
320 WEST COMMERCIAL BLVD., SUITE 100  
FT. LAUDERDALE, FL 33309  
PHONE: (954) 733-7233  
FAX: (954) 590-6566  
CERTIFICATE OF AUTHORIZATION: IC-00002339  
RAUL L. ANDUJAR, P.E. No. 62989



THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61615-23.004, F.A.C.

### LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-2	SIGNATURE SHEET
LD-77 TO LD-78	SUMMARY OF QUANTITIES
LD-79 TO LD-81	STORMWATER POLLUTION PREVENTION PLAN
	TRAFFIC CONTROL PLAN

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

ATKINS NORTH AMERICA, INC.  
2001 NORTHWEST 107TH AVENUE  
MIAMI, FLORIDA 33172  
PHONE: (305) 562-7275  
FPEE CERTIFICATE OF AUTHORIZATION NO.24  
PEDRO L. TREVIN, P.E. NO. 15309

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61615-23.004, F.A.C.

### LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-2	SIGNATURE SHEET
LD-82	ELECTRICAL TABULATION OF QUANTITIES
LD-83	ELECTRICAL PROJECT NOTES
LD-84 TO LD-86	ELECTRICAL PLAN (1-3)

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR 7	BROWARD	221775-3-52-01	

COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: (561) 747-6336 Fax: (561) 747-1377 Cert. of Arch. LC-000239	<b>SIGNATURE SHEET</b>		SHEET NO. LD-2
---	------------------------	--	-------------------

02/25/2016 15:33:02 PM

FLORIDA DEPARTMENT OF TRANSPORTATION  
PROJECT SUMMARY OF PAY ITEMS  
FOR PROJECT: 22775-3-52-01

LEAD PROJECT : 22775-3-52-01      DISTRICT : 04      COUNTY/SECTION : 06100000  
PROJECT(S) : 2277535201      COUNTY : BROWARD

0200 SUMMARY OF ROADWAY

SPC	ALT	ITEM NUMBER	ITEM DESCRIPTION	UNIT	2277535201	QUANTITY TOTAL
		0999 - 2-	LUMP SUM CONTRACT, ALTERNATIVE BIDDING 2277535201	LS	1.000	1.000
		0999 - 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID 2277535201	LS	1.000 N	1.000

**PAY ITEM NOTES**

999-2 LUMP SUM CONTRACT: ALL OTHER PAY ITEM NUMBERS SHOWN IN THE CONTRACT PLANS ARE PROVIDED ONLY FOR THE PURPOSE OF DESCRIBING THE WORK TO BE PERFORMED. PAY ITEM DESCRIPTIONS ARE FOUND IN THE DEPARTMENT'S BASIS OF ESTIMATES MANUAL.

REFER TO TABULATION OF QUANTITIES FOR SUMMARY OF ALL OTHER PAY ITEMS.

	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7      COUNTY BROWARD      FINANCIAL PROJECT ID 22775-3-52-01	SUMMARY OF PAY ITEMS LD-3	SHEET NO. LD-3
Landscape Architect: Robert J. Collier, RJA #1007 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 561-745-1377 Fax: 561-745-1377 Cert. of Auth. LC-000229		01/17/2017 12:02:55 PM F:\PROJECTS\8001\2277535201 - SR 7 BROWARD\EST\SUMMARY.DWG	

LANDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	SYMBOL	DESCRIPTION	SIZE / REMARKS	NATIVE	MAX. MAINT. SIZE	UNIT	SHEET NUMBERS						TOTAL THIS SHEET				
							LD-13	LD-14	LD-15	LD-16	LD-17	LD-18	PLAN	FINAL	PLAN	FINAL	PLAN
570-1-2		<i>Paspalum notatum</i> - Bahía Sod		Y		SY											
580-1-1		<i>Stenochyrum secundatum</i> 'Floratum' - St. Augustine Sod		N		SY			1955								3,300
		<b>SMALL PLANTS</b>															
	DT	<i>Dianella tasmanica</i> - Blueberry Flax Lily	#3 GAL, 1'x 1.5', 2' OC	N	NF/2'	LS											1
	FG	<i>Ficus macrophylla</i> 'Green Island' - Green Island Ficus	#3 GAL, 1.5'x 1.5', 2' OC	N	NF/2'	LS											140
	IV	<i>Ilex vomitoria</i> 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL, 1'x 1', 2' OC	Y	3"		200										330
	JP	<i>Juniperus parsonii</i> - Parsons Juniper	#3 GAL, 1'x 1.5', 2' OC	Y	2.2'		55										55
	LM	<i>Liriope muscari</i> - Liriope	#1 GAL, 1'x 1', 2' OC	N	NF/1.5'												75
	MS	<i>Mimosa strigillosa</i> - Sunshine Mimosa	#1 GAL, 4" x 6", 1' OC	N	NF/1'												0
	MU	<i>Muhlenbergia capillaris</i> - Muhly Grass	#3 GAL, 1.5'x 1', 2' OC	Y	NF/3'		40										0
	PD	<i>Podocarpus nectar</i> 'Mega' - Dwarf Podocarpus	#3 GAL, 1.5'x 1.5', 2' OC	N	NF/3'		110										290
	PD7	<i>Podocarpus nectar</i> 'Mega' - Dwarf Podocarpus	#7 GAL, 3'x 2', 2.5' OC	N	8"												0
	SAW	<i>Schefflera arboricola</i> 'Trinette' - Dwarf Variegated Schefflera	#3 GAL, 1.5'x 1.5', 2.5' OC	N	3.5'		40										110
	SJ	<i>Stachytarpheta urticifolia</i> - Blue Porter Weed	#1 GAL, 1'x 1', 2' OC	N	3"												0
580-1-2		<b>LARGE PLANTS</b>															
	BA	<i>Bulnesia arborea</i> - Yerwood	12' OA x 6' SPREAD, 2' CAL. FULL	N	40"												1
	BC	<i>Bolitaea capitata</i> - Pilido Palm	8' CT. SINGLE, DC, RP	N	NF/25'												0
	BN	<i>Bismarckia nobilis</i> 'Silver' - Silver Bismarck Palm	8' CT. SINGLE, RP, FF	N	NF/30'					8							0
	BR0	<i>Bromelarea imperialis</i> - Imperial Bromeliad	#7 GAL, 24" OA	N	NF/2.5'												4
	CE5	<i>Conocarpus erectus</i> var. <i>sericeus</i> - Silver Buttonwood	10'x 6', MULTI, LIMB UP 3'	Y	15'												0
	CLP	<i>Crinum augustum</i> 'Queen Emma' - Purple Crinum Lily	#15 GAL, 3'x 3', FULL	Y	15'												19
	CLG	<i>Cordia alliodora</i> - Small Leaf Clusia	10'x 6' TREE FORM, LIMB UP 3'	Y	20"		14										14
	CCN	<i>Cocos nucifera</i> 'Green Malayani' - Curved Malaysian Coconut Palm	10', 14', 18' CT. (SEE PLAN), CURVED TRUNKS, FF	Y	20"												0
	CI	<i>Cocos nucifera</i> 'Green Malayani' - Malaysian Coconut Palm	10', 14', 18' CT. (SEE PLAN), FF	N	NF/50'												0
	CS	<i>Cassia surattensis</i> - Cassia	8-10' OA x 5' SPREAD, 1.5' CAL	N	NF/50'												32
	DR	<i>Delonix regia</i> - Royal Poinciana	16' OA x 8' SPREAD, 5" CAL	N	15'												0
	HL	<i>Hyophorbe lageniculis</i> - Bottle Palm	8' OA, SINGLE, FF	N	NF/12'												0
	HW	<i>Hyophorbe verschaffeltii</i> - Spindle Palm	8' OA, SINGLE, FF	N	NF/12'												0
	JAM	<i>Jatropha integrirama</i> - Jatropha	6' OA x 4' SPREAD, MULTI, LIMB UP 2'	N	12"												0
	JAT	<i>Jatropha integrirama</i> - Jatropha	4' x 3' BUSH FORM, 4' OC	N	6"												0
	LD	<i>Levinsonia declivens</i> - Ribbon Palm	12'-14' CT. SINGLE, DC, MATCHED, FF	N	NF/35'												0
	LI	<i>Lagerstroemia indica</i> 'Muskogee' - Lavender Crepe Myrtle	12' OA x 6' SPREAD, MULTI, LIMB UP 5', FF	N	15'												40
	LIT	<i>Lagerstroemia indica</i> 'Tuskegee' - Dark Pink Crepe Myrtle	12' OA x 6' SPREAD, MULTI, LIMB UP 5', FF	N	15'												32
	LJ	<i>Ligustrum japonicum</i> - Ligustrum Tree Form	8' OA/7' SPREAD, LIMB UP 3'	N	15'		3										0
	LI	<i>Lobelia laudricii</i> - Blue Lacin Palm	10' OA, SINGLE, FF	N	NF/20'												3
	LS	<i>Lagerstroemia speciosa</i> - Queen's Crepe Myrtle	14' OA x 6' SPREAD, 2' CAL. FULL	N	NF/35'												0
	MG	<i>Magnolia grandiflora</i> 'Bracken' - Bracken Magnolia	14' - 16' x 7', 4.5' CAL	N	40"NE												7
	PDU	<i>Peitophorum ubium</i> - Yellow Poinciana	16' OA x 7' SPREAD, 4" CAL	N	40"												16
	PEA	<i>Psychosperma elegans</i> - Solitaire Palm	MIN 12' CT. SINGLE, MAX 4" CAL, FF	N	NF/25'												0
	PEA3	<i>Psychosperma elegans</i> - Triple Solitaire Palm	MIN 10' CT (ALL STEMS), TRIPLE	N	NF/25'												0
	PHC	<i>Phoenix canariensis</i> - Canary Island Date Palm	13', 17', 21' CT. (SEE PLAN), DC, FF	N	NF/50'		3										0
	PHM	<i>Phoenix dactylifera</i> 'Medjool' - Medjool Date Palm	13' CT, FF, DC, MATCHED	N	NF/50'		2										0
	PR	<i>Phoenix roebelenii</i> - Pinyon Date Palm	8' OA, DOUBLE, FF, MATCHED	N	NF/12'												0
	QV	<i>Quercus virginiana</i> - Live Oak	16' OA x 6' SPREAD, 3" CAL, FULL, 5' CT	Y	50"												2
	RM1	<i>Ravenala madagascariensis</i> - Traveler's Palm	22' - 24' OA, FIELD GROWN, SPECIMEN	N	NF/40'												0
	RM2	<i>Ravenala madagascariensis</i> - Traveler's Palm	14' - 16' OA, #100 GAL	N	NF/40'												0
	SP	<i>Sabal palmetto</i> - Sabal Palmetto	12' - 16', 20', 24' CT. (SEE PLAN), SLICK, REGEN	Y	NF/50'												0
	TR	<i>Thrinax radiata</i> - Thatch Palm	8' OA SINGLE, FF	Y	NF/15'												73
	VM3	<i>Veitchia montgomeryana</i> - Montgomery Palm	MIN 14' CT (ALL STEMS), TRIPLE, FF	Y	NF/40'												0
	VM2	<i>Veitchia montgomeryana</i> - Montgomery Palm	MIN 14' CT (ALL STEMS), DOUBLE, FF	N	NF/40'												3
	VM2B	<i>Veitchia montgomeryana</i> - Montgomery Palm	24' CT (STAGGER HEADS MIN 5'), DOUBLE, FF (SEE PLANS)	N	NF/40'												0
	VW	<i>Veitchia montgomeryana</i> - Montgomery Palm	14' CT, SINGLE, FF	N	NF/40'												0
590-70		IRRIGATION SYSTEM				LS											1
599-1-22		ELECTRIC SERVICE				LS											1

ABBREVIATION KEY: CAL=CALIPER, CT=CLEAR TRUNK, DC=DIAMOND CUT TRUNK, FF=FLORIDA FANCY GRADE, GAL=GALLON SIZE, LS=LUMP SUM, MAINT=MAINTAINED, MAX=MAXIMUM, MIN=MINIMUM, MULTI=MULTIPLE STEMS, NF=NATURAL FORM, N=NO, OA=OVERALL HEIGHT, OC=ON CENTER, REGEN=REGENERATED ROOTS, RP=ROOT PRUNED (MIN 60 DAYS), SY=SQUARE YARD, Y=YES

REVISIONS  
 DATE DESCRIPTION  
 \_\_\_\_\_  
 \_\_\_\_\_

Landscaping Architect Of Record: Robert J. Gehring, RLA #1087  
 COLLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458 747-1177  
 Cert. of Arch. LC-C000339

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID	22775-3-52-01
COUNTY				
BROWARD	SR 7			
<p style="text-align: center;"><b>TABULATION OF QUANTITIES AND PLANT SCHEDULE</b></p>				
SHEET NO.		LD-4		

LANDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	SYMBOL	DESCRIPTION	SIZE / REMARKS	NATIVE	MAX. MAINT. SIZE	UNIT	SHEET NUMBERS						TOTAL THIS SHEET							
							LD-19	LD-20	LD-21	LD-22	LD-23	LD-24	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
570-1-2	S001	Paspalum notatum - Bahia Sod																		
580-1-1	S002	Stenotaphrum secundatum 'Floratam' - St. Augustine Sod																		
		<b>SMALL PLANTS</b>																		
	DT	Dianella baesmannii - Blueberry Flex Lily	#3 GAL, 1 1/2" x 2" OC	N	NF/2"															
	FG	Ficus macrophylla 'Green Island' - Green Island Ficus	#3 GAL, 1 1/2" x 1.5" x 2" OC	N	NF/2"															
	IV	Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL, 1 1/2" x 2" OC	Y	2.2															
	JP	Juncus parsonii - Parsons Juniper	#3 GAL, 1 1/2" x 2" OC	N	NF/1.5															
	LH	Liriodendron muscari - Liriodendron	#1 GAL, 1 1/2" x 2" OC	N	NF/1"															
	MS	Mimosa strigillosa - Sunshine Mimosa	#1 GAL, 4" x 6" x 1" OC	Y	NF/1"															
	MU	Muhlenbergia capillaris - Muhly Grass	#3 GAL, 1 1/2" x 2" OC	Y	NF/1.5"															
	PD	Podocarpus neriifolius - Dwarf Podocarpus	#3 GAL, 1 1/2" x 2" OC	Y	NF/1.5"															
	PDV	Podocarpus neriifolius - Dwarf Podocarpus	#7 GAL, 3" x 2" x 2.5" OC	N	8"															
	SD	Schefflera arboricola 'Trinette' - Dwarf Variegated Schefflera	#3 GAL, 1 1/2" x 1.5" x 2.5" OC	N	3.5"															
	SJ	Stachytarpheta urticifolia - Blue Porter Weed	#1 GAL, 1 1/2" x 2" OC	N	3"															
580-1-2		<b>LARGE PLANTS</b>																		
	BA	Bulnesia arborea - Yerewood	12' OA x 6" SPREAD, 2" CAL, FULL	N	40'															
	BC	Bursera capitata - Pindo Palm	8' CT, SINGLE, DC, RP	N	NF/25'															
	BB	Bismarckia nobilis 'Silver' - Silver Bismarck Palm	8' CT, SINGLE, RP, FF	N	NF/30'															
	BRO	Alcantarea imperialis - Imperial Bromeliad	#7 GAL, 24" OA	N	NF/2.5"															
	CES	Conocarpus erectus var. sericeus - Silver Buttonwood	10' x 6', MULTI, LIMB UP 3'	Y	15'															
	CLP	Crinum augustum 'Queen Emma' - Purple Crinum Lily	#15 GAL, 3 1/2" x 3" FULL	N	NF/4.5"															
	CLG	Cordia alliodora - Small Leaf Clusia	10' x 6', TREE FORM, LIMB UP 3'	Y	20'															
	CCN	Cocos nucifera 'Green Malay' - Curved Malaysian Coconut Palm	10', 14', 18' CT, (SEE PLANS), CURVED TRUNKS, FF	N	NF/50'															
	CW	Cocos nucifera 'Green Malay' - Kolayan Coconut Palm	8'-10' OA x 5" SPREAD, 1.5" CAL	N	NF/50'															
	CS	Cassia surattensis - Cassia	8'-10' OA x 5" SPREAD, 1.5" CAL	N	15'															
	DL	Delonix regia - Royal Poinciana	16' OA x 8" SPREAD, 5" CAL	N	40'															
	HR	Hypochaeris lagunculis - Baitie Palm	8' OA, SINGLE, FF	N	NF/12'															
	HV	Hypochaeris verschaffeltii - Spindle Palm	8' OA, SINGLE, FF	N	NF/12'															
	JAK	Jatropha integerrima - Jatropha	8' OA x 4" SPREAD, MULTI, LIMB UP 2'	N	12'															
	JAT	Jatropha integerrima - Jatropha	4' x 3" x 3" BUSH FORM, 4" OC	N	6'															
	LAV	Lavandula angustifolia - Lavender	12'-14' CT, SINGLE, DC, MATCHED, FF	N	NF/35'															
	LIM	Livistonia decipiens - Ribbon Palm	12' OA x 6" SPREAD, MULTI, LIMB UP 5', FF	N	15'															
	LID	Livistonia decipiens - Ribbon Palm	12' OA x 6" SPREAD, MULTI, LIMB UP 5', FF	N	15'															
	LIT	Livistonia decipiens - Ribbon Palm	12' OA x 6" SPREAD, MULTI, LIMB UP 5', FF	N	15'															
	LJ	Livistonia japonicum - Livistron Tree Form	8' OA, SPREAD, LIMB UP 3'	N	15'															
	LL	Lacania loddigesii - Blue Lagoon Palm	10' OA, SINGLE, FF	N	NF/20'															
	LS	Lagerstroemia speciosa - Queen's Crepe Myrtle	14' - 16' x 7', 4.5" CAL	N	NF/35'															
	NG	Magnolia grandiflora 'Bracken' - Bracken Magnolia	16' OA x 7" SPREAD, 4" CAL	N	40'															
	PDU	Pelltophorum dubium - Yellow Poinciana	MIN 12' CT, SINGLE, MAX 4" CAL, FF	N	NF/25'															
	PEA	Psychosperma elegans - Solitaire Palm	MIN 10' CT (ALL STEMS), TRIPLE	N	NF/25'															
	PEA3	Psychosperma elegans - Triple Solitaire Palm	13', 17', 21' CT, (SEE PLANS), DC, FF	N	NF/40'															
	PHK	Phoenix canariensis - Canary Island Date Palm	8' OA, DOUBLE, FF, MATCHED	N	NF/50'															
	PR	Phoenix dactylifera 'Medjool' - Medjool Date Palm	16' OA x 6" SPREAD, 3" CAL, FULL, 5' CT	N	NF/12'															
	QV	Quercus virginiana - Live Oak	22' - 24' OA, FIELD GROWN, SPECIMEN	Y	50'															
	RMI	Ravenna madagascariensis - Traveler's Palm	14' - 16' OA, #100 GAL	Y	NF/40'															
	RM2	Ravenna madagascariensis - Traveler's Palm	12', 16', 20', 24' CT, (SEE PLANS), SLICK, REGEN	Y	NF/50'															
	SP	Sabal palmetto - Sabal Palmetto	8' OA SINGLE, FF	Y	NF/40'															
	TR	Thrinax radiata - Thatch Palm	MIN 14' CT (ALL STEMS), TRIPLE, FF	Y	NF/15'															
	VM3	Veitchia montgomeryana - Montgomery Palm	MIN 14' CT (ALL STEMS), DOUBLE, FF	N	NF/40'															
	VM2	Veitchia montgomeryana - Montgomery Palm	24' CT (STAGGER HEADS MIN 5'), DOUBLE, FF (SEE PLANS)	N	NF/40'															
	VM2B	Veitchia montgomeryana - Montgomery Palm	14' CT, SINGLE, FF	N	NF/40'															
	VM4	Veitchia montgomeryana - Montgomery Palm		N	NF/40'															
590-70		<b>IRRIGATION SYSTEM</b>																		
639-1-22		<b>ELECTRIC SERVICE</b>																		

ABBREVIATION KEY: CAL=CALLIPER, CT=CLEAN TRUNK, DC=DIAMOND CUT TRUNK, FF=FLORIDA FANCY GRADE, GAL=GALLON SIZE, MAX=MAXIMUM, MIN=MINIMUM, MULTI=MULTIPLE STEMS, NF=NATURAL FORM, N=NO, OA=OVER-ALL HEIGHT, OC=ON CENTER, REGEN=REGENERATED ROOTS, RP=ROOT PRUNED (MIN 60 DAYS), SY=SQUARE YARD, Y=YES

Landscaping Architect Of Record: Robert J. Collier, R.I.A. #1087  
 COLLEUR E. HEARNS INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 561-474-8338 Fax 561-747-1377  
 C.O.P. of Archt. LC-C000239

DATE	DESCRIPTION	BY

STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. COUNTY FINANCIAL PROJECT ID  
 SR 7 BROWARD 227775-3-95-01

TABULATION OF QUANTITIES  
 AND PLANT SCHEDULE



LANDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE

Main table with columns: PAY ITEM NO., SYMBOL, DESCRIPTION, SIZE / REMARKS, NATIVE, MAX. MAINT. SIZE, UNIT, and SHEET NUMBERS (LD-31 to LD-36). Rows include plants like Passiflora nitens, Stenotaphrum secundatum, Dianella tasmanica, etc.

Summary and administrative table with columns: DATE, DESCRIPTION, REVISIONS, DEPARTMENT OF TRANSPORTATION, FINANCIAL PROJECT ID, ROAD NO., COUNTY, BROWARD, SR 7, STATE OF FLORIDA, TABULATION OF QUANTITIES AND PLANT SCHEDULE, SHEET NO., LD-7.

LANDSCAPE ARCHITECT OF RECORD: Robert J. Carter, P.L.A. #1097  
COTLEUR & HEARING, INC.  
1934 Commerce Lane Suite 1  
Jupiter, Florida 33458  
Tel: 561-747-1377  
Lic. of Arch. LC-C000239

LANDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	SYMBOL	DESCRIPTION	SIZE / REMARKS	NATIVE	MAX. MAINT. SIZE	UNIT	SHEET NUMBERS						TOTAL THIS SHEET		GRAND TOTAL					
							LD-37		LD-38		LD-39		LD-40		LD-41		PLAN	FINAL	PLAN	FINAL
							PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
570-1-2	S0D1	Paspalum notatum - Bahia Sod		Y	SY															
570-1-2	S0D2	Stenotaphrum secundatum 'Floracorn' - St. Augustine Sod		N	SY	1630											11,043			
580-1-1		SMALL PLANTS			LS															
	DT	Dianella tasmanica - Blueberry Flax Lily	#3 GAL, 1' x 1.5', 2' OC	N	NF/2'												1			
	FG	Ficus macrophylla 'Green Island' - Green Island Ficus	#3 GAL, 1.5' x 1.5', 2' OC	N	NF/2'	200											3,232			
	IV	Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL, 1' x 1', 2' OC	Y	2.2'	20											3,234			
	JP	Juniperus parsonii - Parsons Juniper	#3 GAL, 1' x 1.5', 2' OC	N	NF/1.5'	65											890			
	LW	Liriodie muscari - Liriodie	#1 GAL, 1' x 1', 2' OC	N	NF/2'	770											670			
	MS	Mimosa strigillosa - Sunshine Mimosa	#1 GAL, 4" x 8", 1' OC	Y	NF/1'	125											2,220			
	MU	Muhlenbergia capillaris - Ruby Grass	#3 GAL, 1.5' x 1', 2' OC	Y	NF/3'												2,575			
	PD	Podocarpus macr. 'Pringles' - Ruby Grass	#3 GAL, 1.5' x 1.5', 2' OC	Y	NF/3'												480			
	PD	Podocarpus macr. 'Mete' - Dwarf Podocarpus	#3 GAL, 1.5' x 1.5', 2' OC	N	8'	130											1,225			
	PD7	Podocarpus macr. 'Naki' - Japanese Yew	#7 GAL, 3' x 2', 2.5' OC	N	8'												138			
	PDW	Schefflera arboricola 'Trineite' - Dwarf Variegated Schefflera	#3 GAL, 1.5' x 1.5', 2.5' OC	N	3.5'	70											1,178			
	SJ	Stachytarpheta urticifolia - Blue Porter Weed	#1 GAL, 1' x 1', 2' OC	N	3'	50											100			
		LARGE PLANTS			LS															
580-1-2	BA	Banksia arborea - Verawood	12' OA x 6' SPREAD, 2" CAL, FULL	N	40'	3											39			
	BC	Bauhinia capitata - Pindo Palm	8' CT, SINGLE, DC, RP	N	NF/25'												42			
	BK	Bismarckia nobilis 'Silver' - Silver Bismarck Palm	8' CT, SINGLE, RP, FF	N	NF/30'												26			
	BRO	Alcantarea imperialis - Imperial Bromeliad	#7 GAL, 24" OA	N	NF/2.5'	2											27			
	CES	Conocarpus erectus var. sericeus - Silver Buttonwood	10' x 6', MULTI, LIMB UP 3'	Y	15'	10											95			
	CLP	Critium augustum 'Queen Emma' - Purple Critium Lily	#15 GAL, 3' x 3', FULL	N	NF/4.5'	6											65			
	CLG	Cleome guttifera - Small Leaf Cleome	10' x 6', TREE FORM, LIMB UP 3'	Y	20'												4			
	CCN	Cocos nuc. 'Green Malay' - Curved Malaysian Coconut Palm	10', 14', 18' CT. (SEE PLAN), CURVED TRUNKS, FF	N	NF/50'	20											35			
	CN	Cocos nucifera 'Green Malay' - Malaysian Coconut Palm	10', 14', 18' CT. (SEE PLAN), FF	N	NF/50'												71			
	CS	Cassia surattensis - Cassia	8-10' OA x 5' SPREAD, 1.5" CAL	N	15'												4			
	DR	Delonix regia - Royal Poinciana	16' OA x 8' SPREAD, 5" CAL	N	40'	8											56			
	HL	Hyophorbe lageniculis - Bottle Palm	8' OA, SINGLE, FF	N	NF/12'												1			
	HY	Hyophorbe verschaffeltii - Spindle Palm	8' OA, SINGLE, FF	N	NF/12'												3			
	JAV	Jatropha integrirama - Jatropha	6' OA x 4' SPREAD, MULTI, LIMB UP 2'	N	12'	8											92			
	JAT	Jatropha integrirama - Jatropha	4' x 3', BUSH FORM, 4' OC	N	6'												204			
	LD	Livistonia decipiens - Ribbon Palm	12-14' CT, SINGLE, DC, MATCHED, FF	N	NF/35'	5											10			
	LD	Lagerstroemia indica 'Mustogee' - Lavender Crepe Myrtle	12' OA x 6' SPREAD, MULTI, LIMB UP 5' - FF	N	15'	5											63			
	LIT	Lagerstroemia indica 'Juskepe' - Dark Pink Crepe Myrtle	12' OA x 6' SPREAD, MULTI, LIMB UP 5' - FF	N	15'	5											48			
	LJ	Ligustrum japonicum - Ligustrum Tree Form	8' OA x 7' SPREAD, 4" CAL	N	15'												3			
	LL	Laranea loddigesii - Blue Lican Palm	14' OA x 6' SPREAD, 2" CAL, FULL	N	NF/20'	6											14			
	LS	Lagerstroemia speciosa - Queen's Crepe Myrtle	14' OA x 6' SPREAD, 2" CAL, FULL	N	NF/35'	6											25			
	NG	Magnolia grandiflora 'Bracken' - Bracken Magnolia	14' - 16' x 7', 4.5" CAL	N	40'/NF												16			
	PDU	Pentstemon dubium - Yellow Poinciana	16' OA x 7' SPREAD, 4" CAL	N	40'												3			
	PEA	Psychosperma elegans - Solitaire Palm	MIN 12' CT, SINGLE, MAX 4" CAL, FF	N	NF/25'	8											95			
	PEA3	Psychosperma elegans - Solitaire Palm	MIN 12' CT, SINGLE, MAX 4" CAL, FF	N	NF/25'												8			
	PHC	Phoenix canariensis - Canary Island Date Palm	13' CT, FF, DC, MATCHED	N	NF/40'	10											20			
	PHM	Phoenix dactylifera 'Medjool' - Medjool Date Palm	13', 17', 21' CT. (SEE PLAN), DC, FF	N	NF/50'												6			
	PR	Phoenix roebelenii - Pinyon Date Palm	8' OA, DOUBLE, FF, MATCHED	N	NF/12'	3											28			
	QV	Quercus virginiana - Live Oak	8' OA, DOUBLE, FF, MATCHED	N	NF/12'	2											4			
	RMT	Ravenala madagascariensis - Traveler's Palm	16' OA x 6' SPREAD, 3" CAL, FULL, 5' CT	Y	50'	1											10			
	RMP	Ravenala madagascariensis - Traveler's Palm	22' - 24' OA, FIELD GROWN, SPECIMEN	N	NF/40'												1			
	SP	Sabal palmetto - Sabal Palm	14' - 16' OA, #100 GAL	N	NF/40'												2			
	TR	Thrinax radiata - Thatch Palm	12', 16', 20', 24' CT. (SEE PLAN), SLICK, REGEN	Y	NF/50'	3											216			
	VH3	Veitchia montgomeryana - Montgomery Palm	8' OA SINGLE, FF	Y	NF/15'	6											30			
	VH2	Veitchia montgomeryana - Montgomery Palm	MIN 14' CT (ALL STEMS), TRIPLE, FF	N	NF/40'	2											84			
	VH2B	Veitchia montgomeryana - Montgomery Palm	MIN 14' CT (ALL STEMS), DOUBLE, FF	N	NF/40'												3			
	VH2B	Veitchia montgomeryana - Montgomery Palm	24' CT (STAGGER HEADS MIN 5'), DOUBLE, FF (SEE PLANS)	N	NF/40'												2			
	VH	Veitchia montgomeryana - Montgomery Palm	14' CT, SINGLE, FF	N	NF/40'												1			
590-70		IRRIGATION SYSTEM			LS												1			
639-1-22		ELECTRIC SERVICE			LS												1			

ABBREVIATION KEY: CAL=CALIPER, CT=CLEAR TRUNK, DC=DIAMOND CUT TRUNK, FF=FLORIDA FANCY GRADE, GAL=GALLON SIZE, LS=LUMP SUM, MAINT.=MAINTAINED, MAX=MAXIMUM, MIN=MINIMUM, MULTI=MULTIPLE STEMS, NF=NATURAL FORM, N=NO, OA=OVERALL HEIGHT, OC=ON CENTER, REGEN=REGENERATED ROOTS, RP=ROOT PRUNED (MIN 60 DAYS), SY=SQUARE YARD, Y=YES

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION	STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID	SHEET NO.
					BROWARD COUNTY	23775-3-52-01		LD-8
					SR 7			

**LANDSCAPE PROJECT NOTES**

- NOT ALL OF THE PROPOSED PLANTING AREAS ARE IRRIGATED AND THE IRRIGATION SYSTEM MAY NOT BE FULLY OPERATIONAL AT THE TIME OF PLANTING. THEREFORE, HAND WATERING IS REQUIRED. COSTS FOR HAND WATERING OF PLANTINGS WILL BE INCLUDED IN THE LUMP SUM PROJECT COST.
- SIGHT TRIANGLES SHOWN ON THESE PLANS ARE BASED ON A 45 MPH DESIGN SPEED, 6 LANE DIVIDED ROADWAY, DISTANCE OF 625, CHANNELIZED DIRECTIONAL MEDIAN OPENINGS, DISTANCE OF 430'. 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.
- ALL TREES SHALL HAVE A MINIMUM 5' DIAMETER MULCH RING WHEN NOT LOCATED WITHIN A MULCH BED.
- EXISTING BAHIA SOD WILL BE REMOVED IN ALL AREAS WHERE NEW FLORATAM SOD OR PLANTS ARE PROPOSED. ALL OTHER AREAS OF EXISTING BAHIA SOD ARE TO REMAIN. EXISTING BAHIA SOD TO REMAIN SHALL BE REPAIRED, AS NEEDED, AFTER LANDSCAPE AND IRRIGATION IMPROVEMENTS.
- THE CONTACT FOR THE CITY OF HOLLYWOOD IS THE CITY LANDSCAPE ARCHITECT, MR. DALE BRYANT, (954) 921-3997.
- CERTAIN PALM TREE SPECIES ARE SPECIFIED WITH MAXIMUM CALIPER DIMENSIONS TO ENSURE COMPLIANCE WITH INDEX #346 VISIBILITY CRITERIA. THESE MAXIMUM DIMENSIONS ARE ONLY REQUIRED WHEN THE TREE IS WITHIN THE LIMITS OF CLEAR SIGHT, AND WILL BE MEASURED FROM 2" TO 8.5' FROM ROADWAY GRADE.
- BOTH THE CENTER LINE OF CONSTRUCTION AND SURVEY BASE LINE ARE SHOWN ON THE PLANS. ANY STATIONS PROVIDED IN THE PLANS REFER TO THE SURVEY BASELINE UNLESS OTHERWISE NOTED.

**UTILITY PROVIDERS LIST**

PROVIDER	CONTACT	PHONE
AT&T - DISTRIBUTION	OTIS KEEVE	954-723-2540
AT&T COMMUNICATIONS/FO	GREG JACOBSON	813-342-0512
BROWARD COUNTY TRAFFIC ENGINEERING	BRET HENDERSON	954-847-2702
BROWARD COUNTY WATER & SEWER	DAVE O'CONNOR	954-831-0910
CITY OF HOLLYWOOD DEPT OF PUBLIC UTILITIES	FENG JIANG	954-921-3930
COMCAST CABLE	LEONARD MAXWELL-NEUBOLD	954-447-8405
CROWN CASTLE	BRYANT LOWE	724-416-2193
ELAND ENGINEERING	CRIS BEAUDRY	954-847-1996
EMBROKE PINES	KARL KENNEDY	954-518-9044
FLORIDA POWER & LIGHT - BROWARD (DIST.)	BYRON SAMPLE	954-321-2056
FLORIDA POWER & LIGHT - BROWARD (TRANS.)	GEORGE J BECK	561-904-3604
FLORIDA POWER & LIGHT - FIBERNET	DANNY HASKETT	305-552-2931
SUBURBAN PROPANE	JORGE YAMES	305-635-4427
SYSTEM INTEGRATION & MAINTENANCE, INC.	MICHAEL COLLIER	305-624-1113
TECO PEOPLES GAS - SOUTH FLORIDA	MAX CHAMORRO	954-453-0812
TOWN OF DAVIES UTILITIES	LARRY DOUGHTY	954-327-3744
XO COMMUNICATION	ANTHONY KOWALESKI	305-356-3160

**BCTED COMMUNICATION NOTES**

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED COMMUNICATIONS EQUIPMENT IS THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). PROVIDE SUBMITTAL DATA THAT IS COMPATIBLE WITH THE MAINTAINING AGENCY. PROVIDE THE MAINTAINING AGENCY'S REQUIRED EQUIPMENT AND VERIFY WITH THE MAINTAINING AGENCY PRIOR TO PURCHASING SUCH EQUIPMENT. BECOME FAMILIAR WITH AND COMPLY WITH BCTED'S INSPECTION PROCEDURES.

**COPPER INTERCONNECT CABLE AND FIBER OPTIC CABLE NOTIFICATION CONTACT PERSON**

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE INTERRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THE NOTIFICATION SHALL BE CONVEYED VIA ELECTRIC MAIL (EMAIL) TO THE TRAFFIC SIGNAL TECHNICIAN III/ COMMUNICATIONS MANAGER AT [teccommunications@broward.org](mailto:teccommunications@broward.org). NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN THREE CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

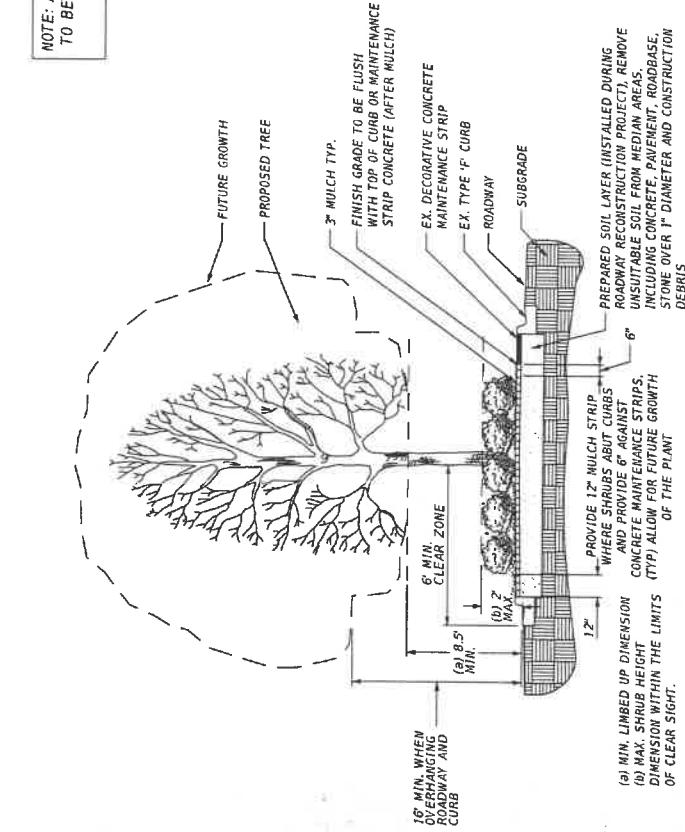
Landscape Architect of Record: Robert J. Collier, RJA #1067  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Tel: 561-746-1317  
 Fax: 561-746-1317  
 C.O. of Arch. LC-000229

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 7	227775-3-52-01
COUNTY	
BROWARD	

LANDSCAPE PROJECT NOTES	
SHEET NO.	LD-10



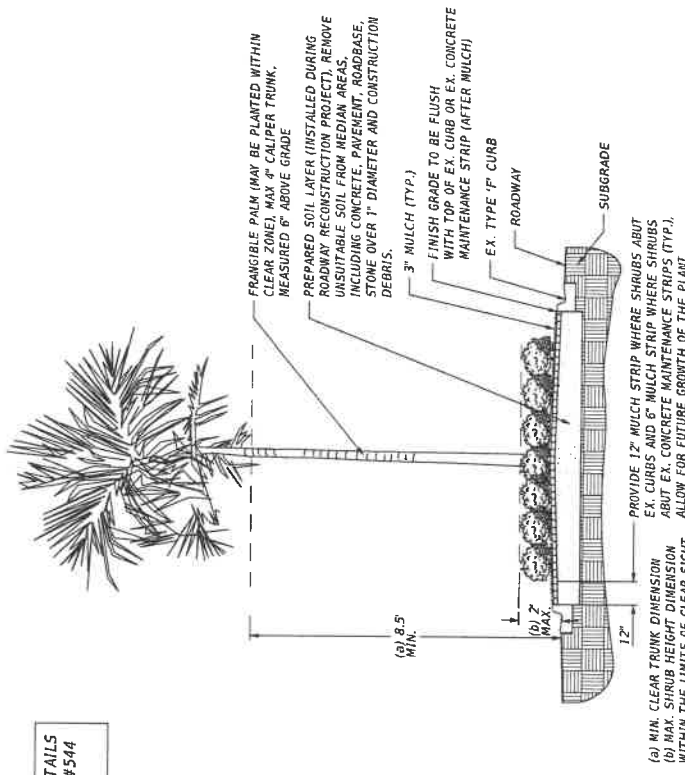
NOTE: ALL STAKING AND PLANTING DETAILS TO BE IN ACCORDANCE WITH INDEX #544 EXCEPT AS SHOWN HEREIN.



- (a) MIN. LIMBED UP DIMENSION AND PROVIDE 6" AGAINST CONCRETE MAINTENANCE STRIPS.
- (b) MAX. SHRUB HEIGHT DIMENSION WITHIN THE LIMITS OF CLEAR SIGHT.

TYPICAL MEDIAN SECTION

NOT TO SCALE



- (a) MIN. CLEAR TRUNK DIMENSION WITHIN THE LIMITS OF CLEAR SIGHT.
- (b) MAX. SHRUB HEIGHT DIMENSION WITHIN THE LIMITS OF CLEAR SIGHT.

MEDIAN LANDSCAPE DETAIL - WITHIN CLEAR ZONE

NOT TO SCALE

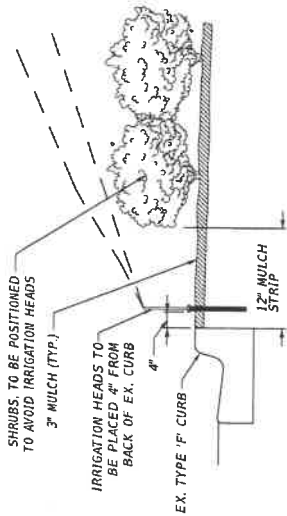
REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Cotleur, AIA #1087  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Tel: 561-747-1377  
 Cert. of Auth. LC-C000239

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 7	227775-3-52-01
COUNTY	
BROWARD	

LANDSCAPE DETAILS	
SHEET NO.	LD-11

ADJUST SHRUB SPACING AS NEEDED TO AVOID BLOCKING IRRIGATION SPRAY



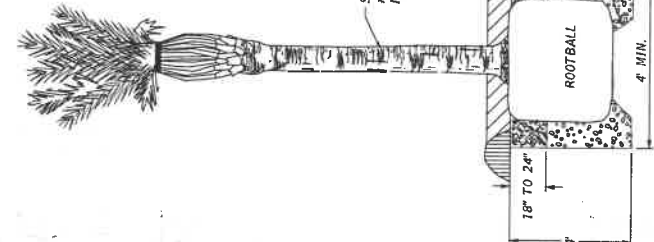
IRRIGATION HEADS TO BE PLACED 4\"/>

EX. TYPE 'F' CURB

SHRUB PLACEMENT / IRRIGATION HEAD DETAIL

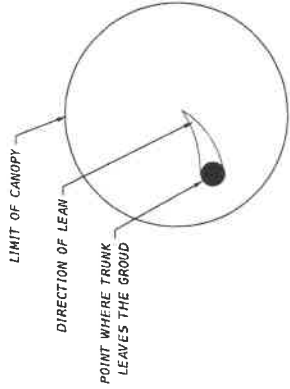
NOT TO SCALE

NOTE: ALL STAKING AND PLANTING DETAILS TO BE IN ACCORDANCE WITH INDEX #544 EXCEPT AS SHOWN HEREIN. AS A SPECIFIC REQUIREMENT ALL MEDIUM DATE, CANARY ISLAND DATE AND COCONUT PALMS SHALL UTILIZE 4\"/>

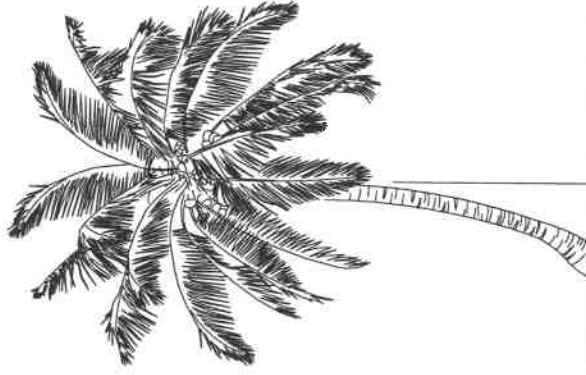


DATE PALM - SPECIAL PLANTING DETAIL

NOT TO SCALE



PLAN VIEW



ELEVATION VIEW

CURVED TRUNK COCONUT PALM DETAIL

NOTE: COCONUT PALMS ARE INTENDED TO LEAN AWAY FROM FPL WIRES

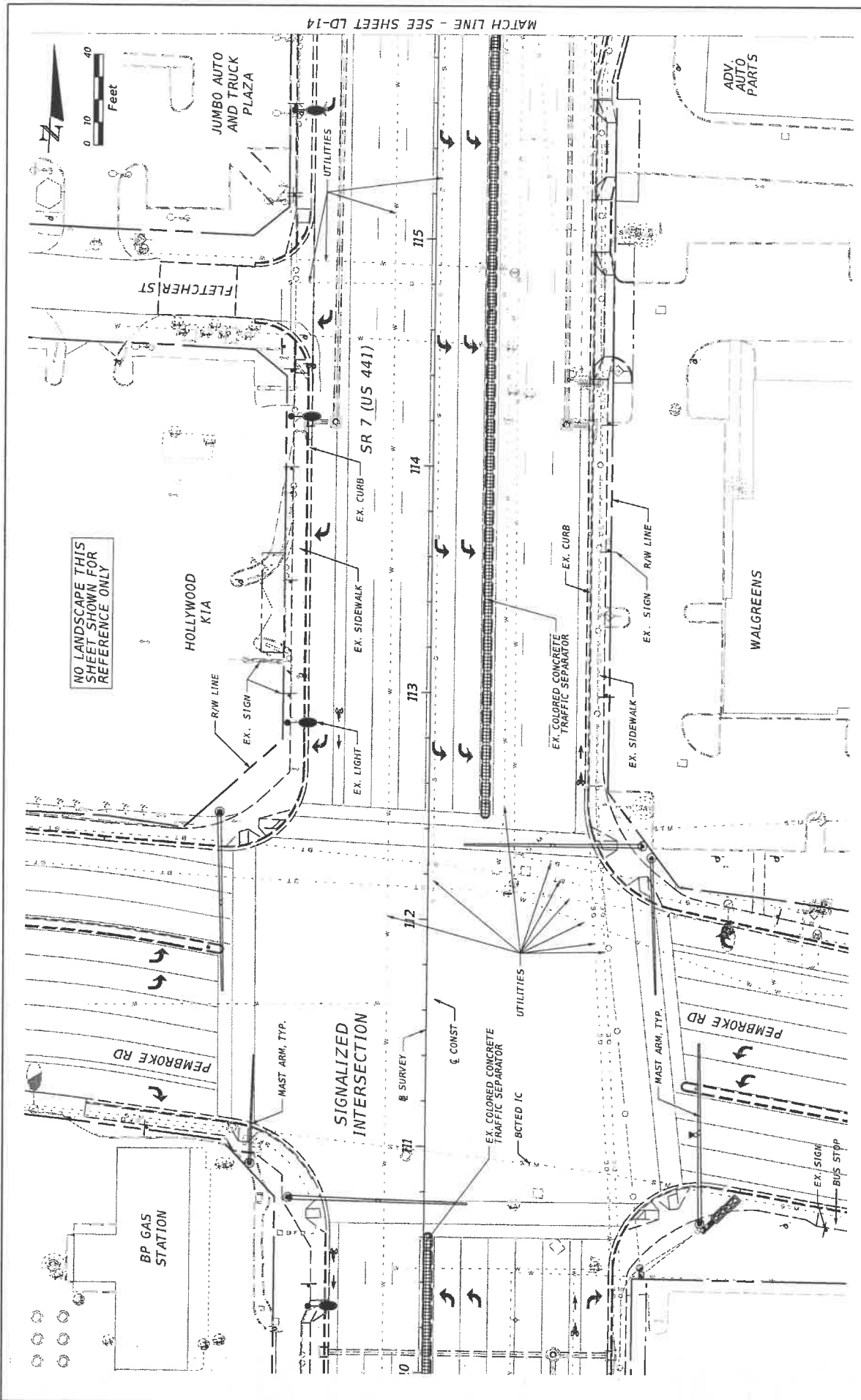
NOT TO SCALE

Landscape Architect Of Record: Robert J. Collier, R/LA #1067  
 COTLEIGH & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 561-747-6536 Fax 561-747-1377  
 CORP. OF ARCH. LC-C008239

STATES OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. COUNTY FINANCIAL PROJECT ID  
 SR 7 BROWARD 227775-3-52-01

SHEET NO. LD-12

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

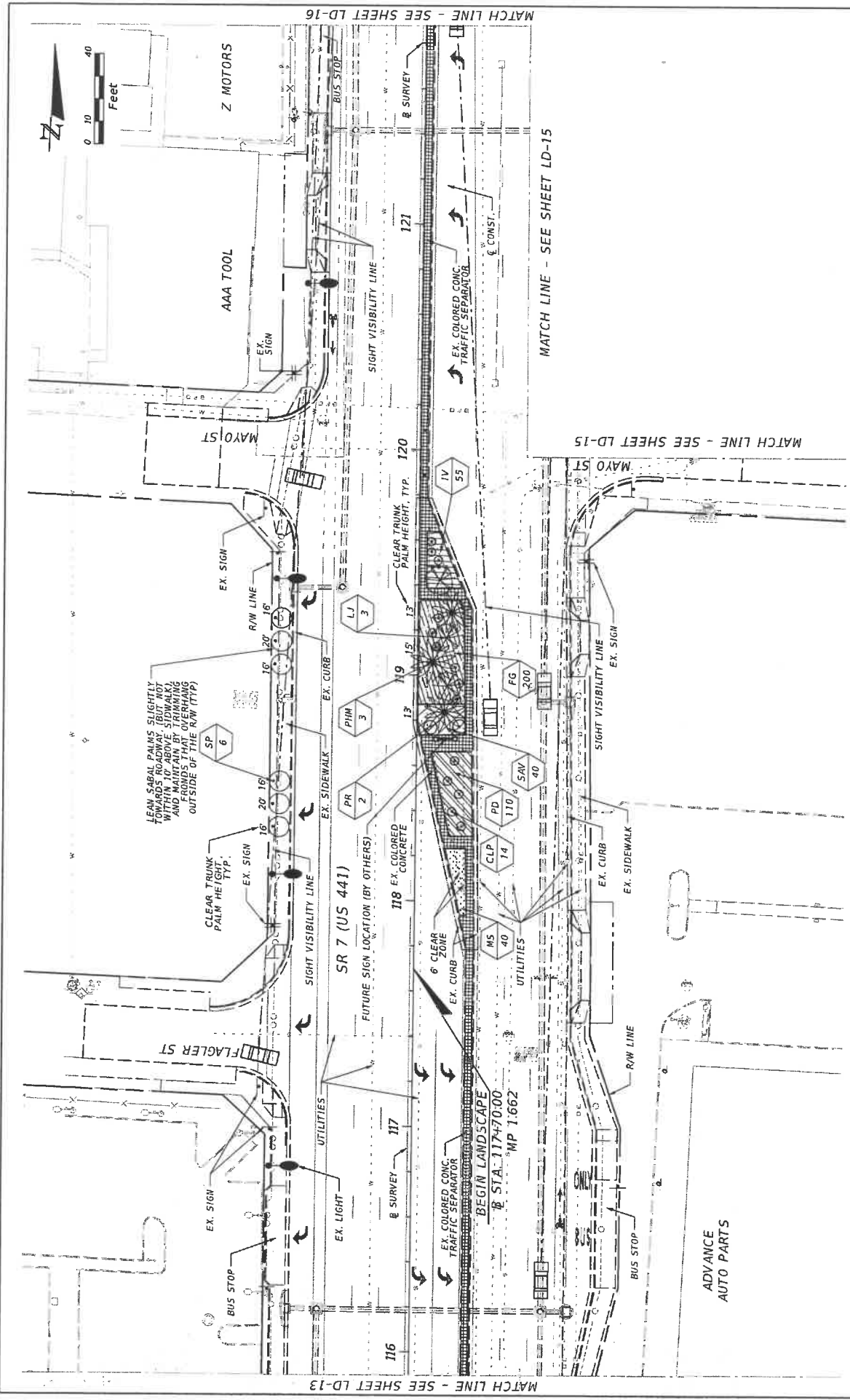


NO LANDSCAPE THIS SHEET SHOWN FOR REFERENCE ONLY

DATE	REVISIONS	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. #1067		STATE OF FLORIDA	SHEET NO.
Cotleur & Hearing, Inc.		DEPARTMENT OF TRANSPORTATION	LD-13
1934 Commerce Lane Suite 1		ROAD NO.	7
Jupiter, Florida 33458		COUNTY	BROWARD
201-747-6336 Fax: 201-747-1137		FINANCIAL PROJECT ID	227715-3-52-01
C.E.C. OF ARCH. LC-000239		DATE	4/12/2017
			12:05:43 PM
			F:\PROJECTS\1001\22771533201 - SR 7 North\NewSitePlan.DWG



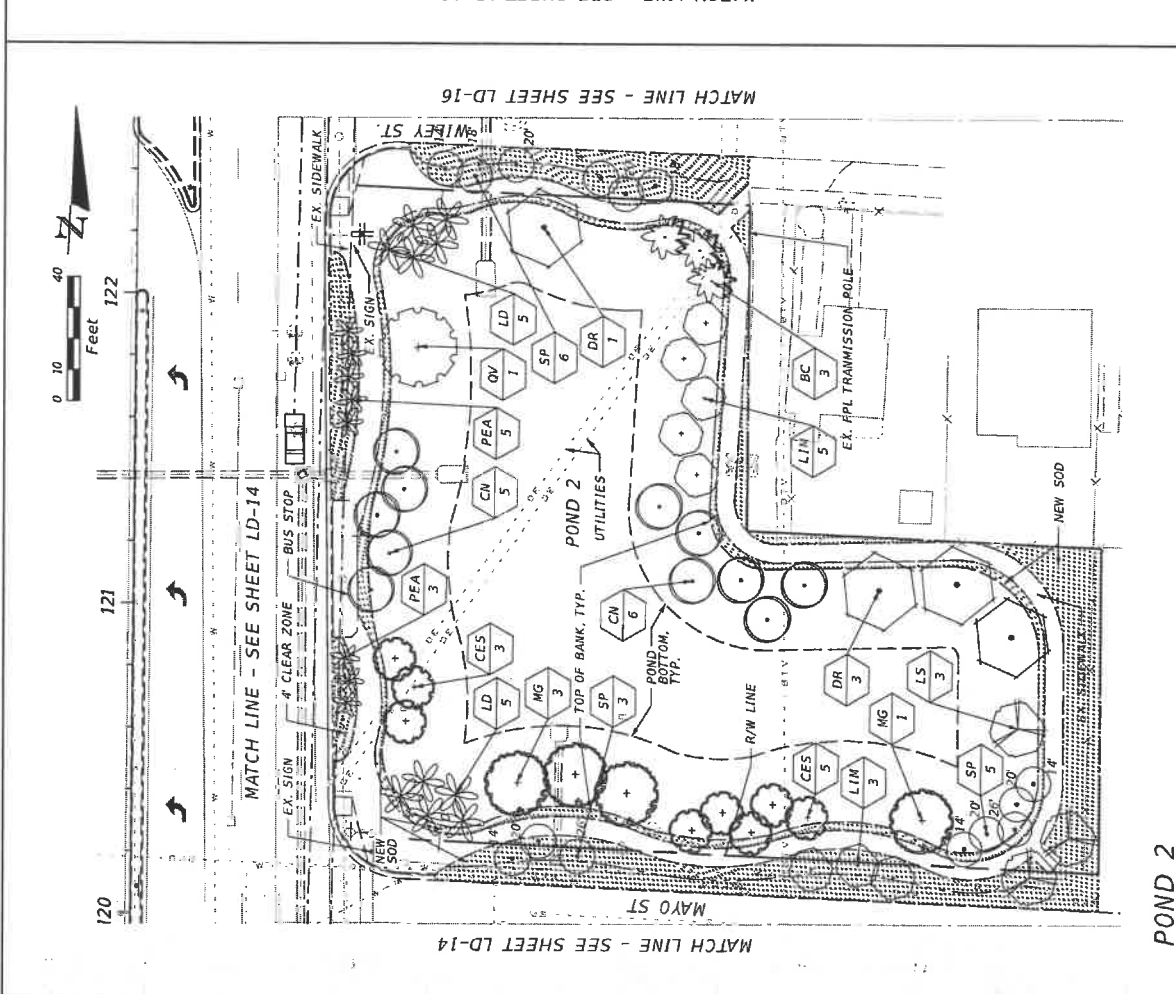
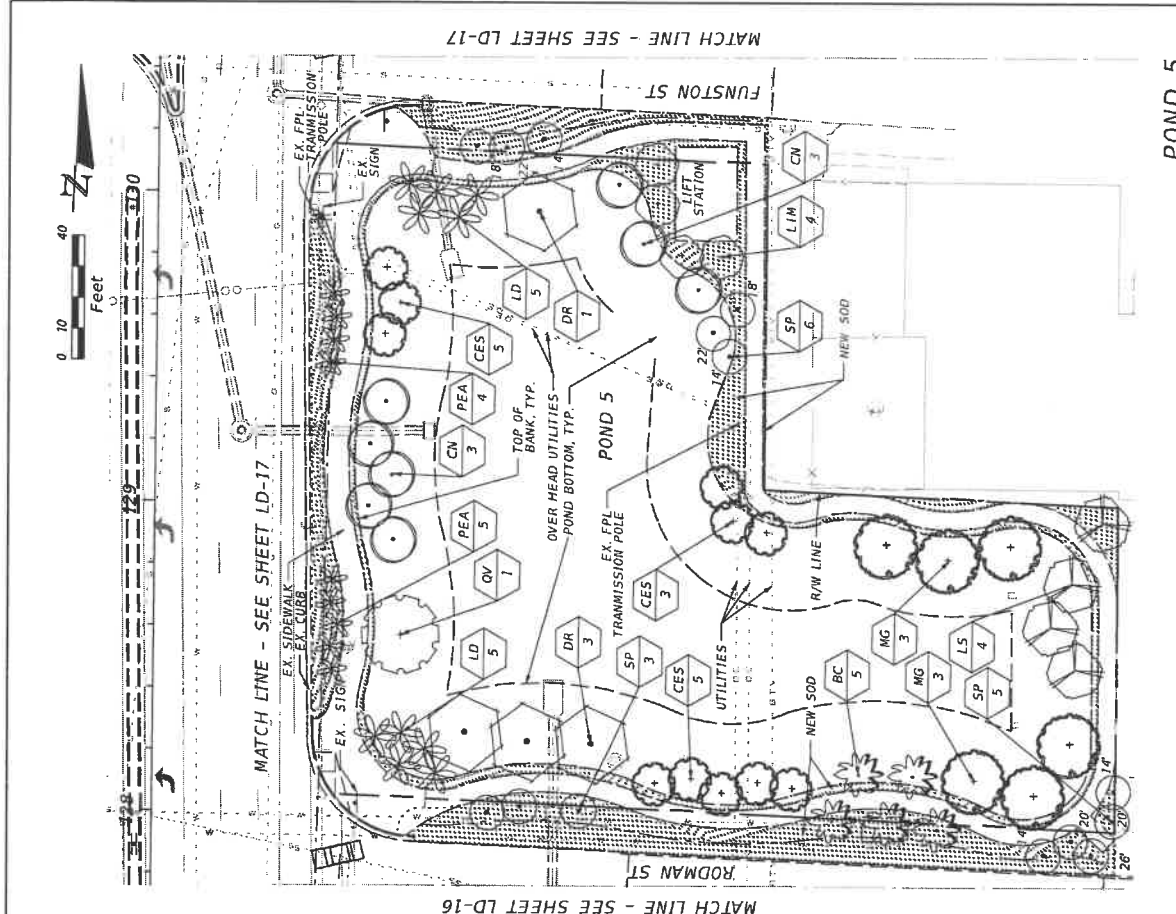
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. #1087 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: (561) 747-1377 Cell: (407) 442-1377 Fax: (561) 747-1377 Cert. of Arch. LC-C000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-14
---	--	---	-----------------

4/12/2017 12:05:45 PM F:\PROJECTS-COT\2277753201 - SR 7 North\Drawings\LD14.dgn



POND 5

POND 2

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

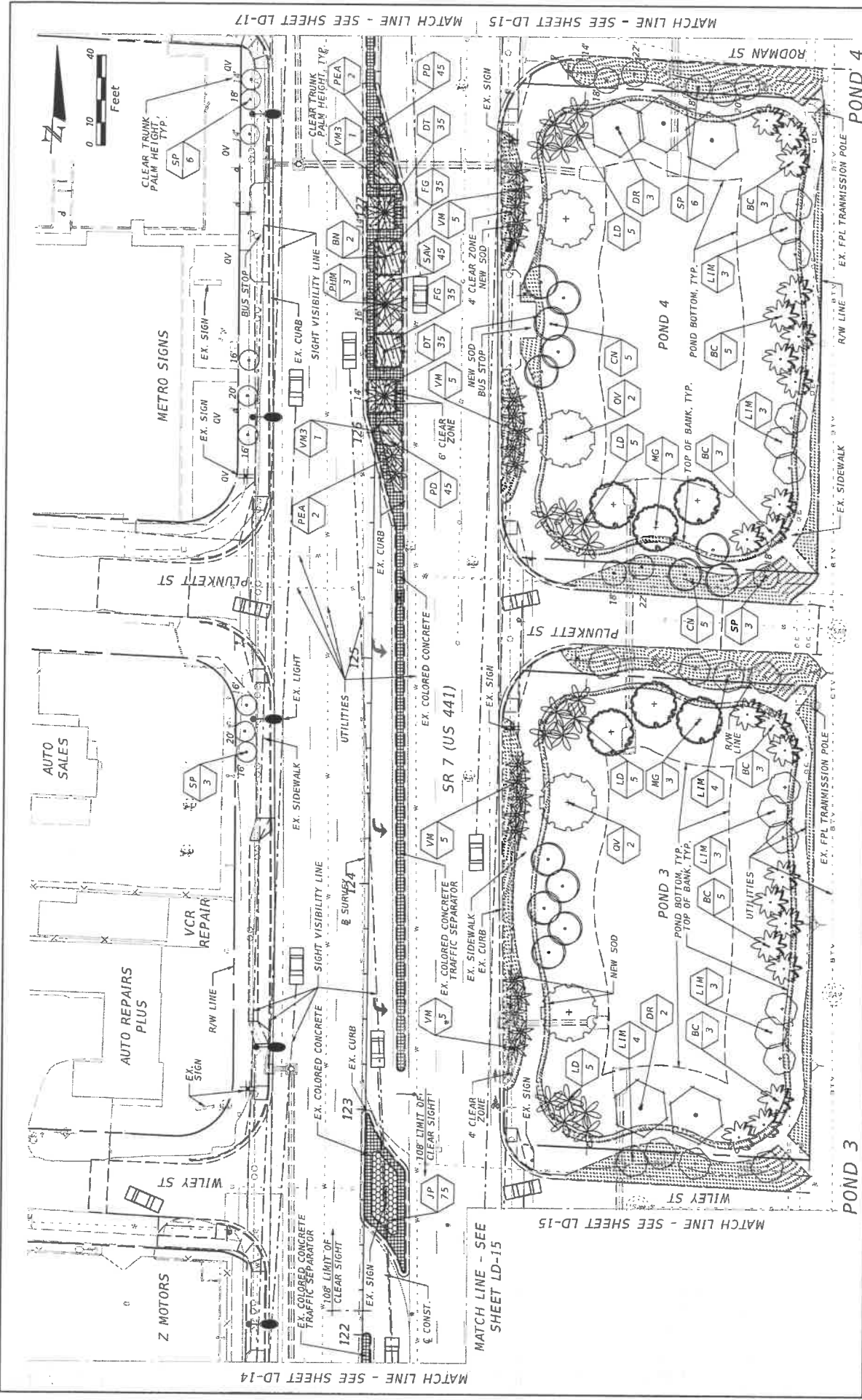
  

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN		SHEET NO.	
ROAD NO.		COUNTY		FINANCIAL PROJECT ID		LD-15	
7		BROWARD		227715-3-52-01			

Landscape Architect Dr. Robert J. Cotleur, R.L.A. #1067  
**Cotleur & Hearing, Inc.**  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 561-749-6336 Fax: 561-749-1377  
 Cert. of Auth. LC-0300239

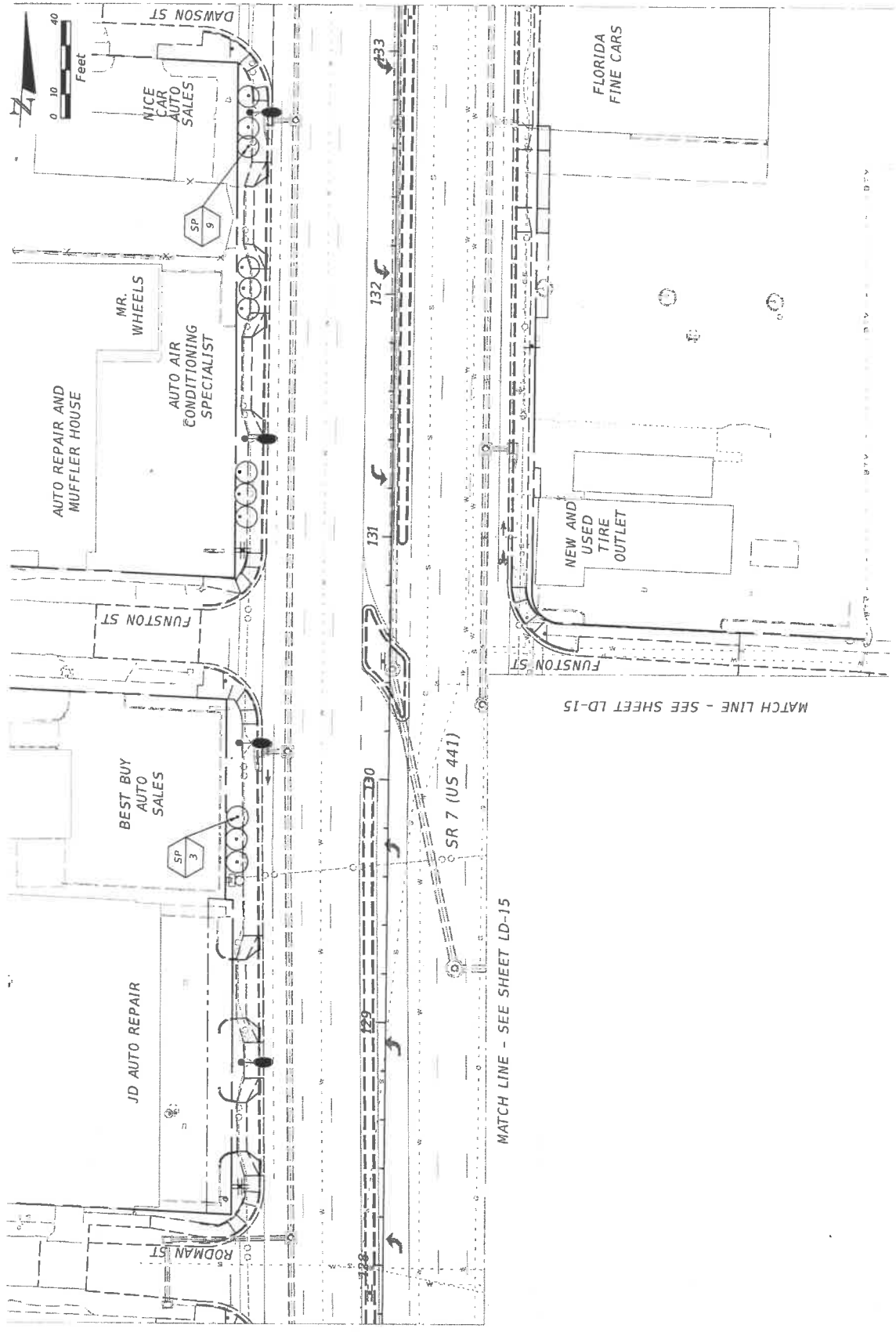
4/17/2017 12:05:47 PM F:\PROJECTS\TOWN\3277933201 - SR. 7 North\Drawings\LAND\15.DWG



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.A. #1069 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-47-6336 Fax: 561-47-1377 Cert. of Arch. LC-008229		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-16 PROJECTS-T001\227753201 - SR 7 Northside\PlanLD-16.dwg 12/25/00 PM 4/12/2007
--	--	---	--



MATCH LINE - SEE SHEET LD-18

MATCH LINE - SEE SHEET LD-15

MATCH LINE - SEE SHEET LD-16

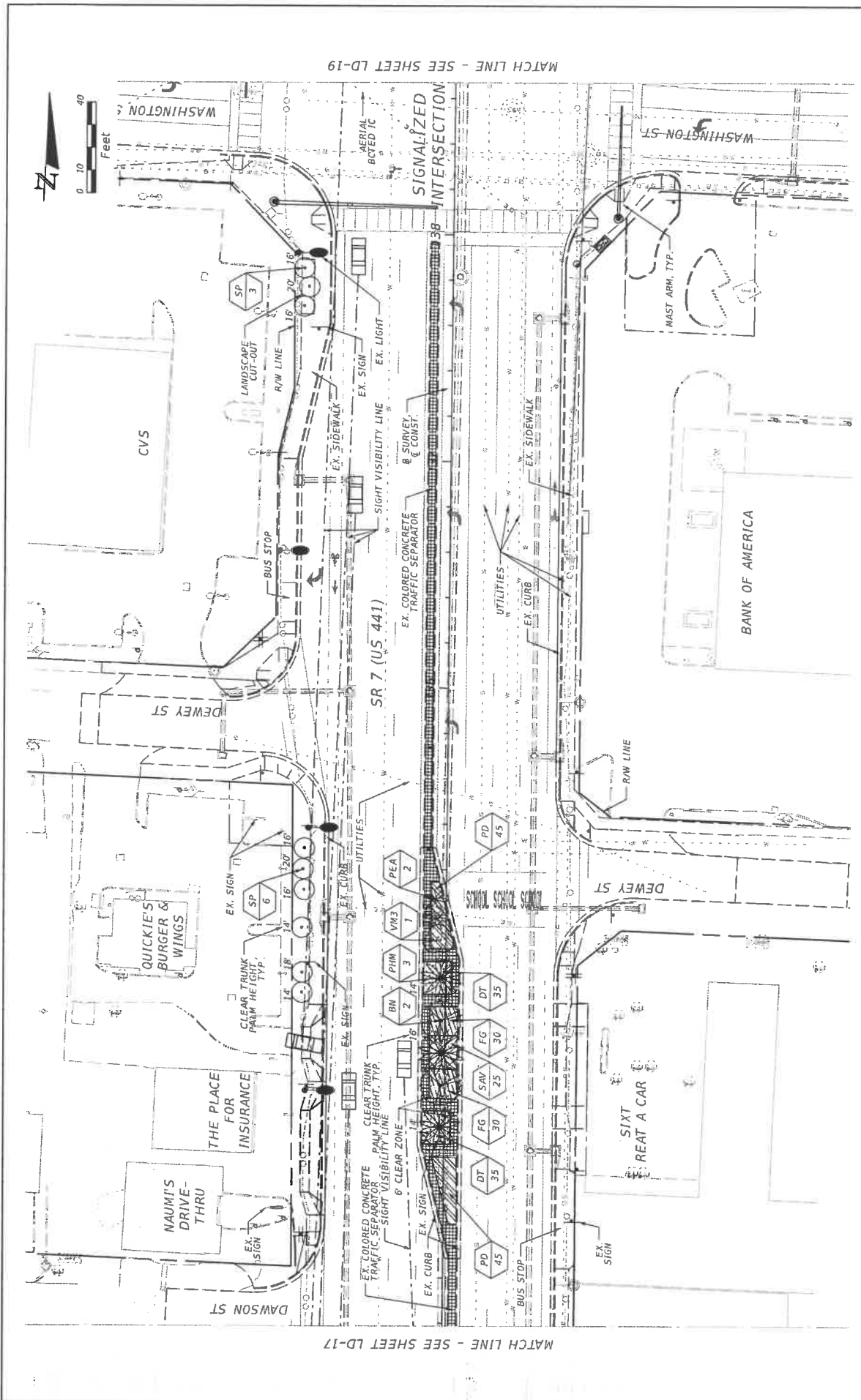
REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA #1067		STATE OF FLORIDA	
Cotleur & Hearing, Inc.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	FINANCIAL PROJECT ID
Jupiter, Florida 33458		7	227775-3-52-01
Cell #: 407-836-1137		COUNTY	BROWARD
Conf. of Arch. LC-000239		w/whr	

LANDSCAPE PLAN		SHEET NO.
		LD-17



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

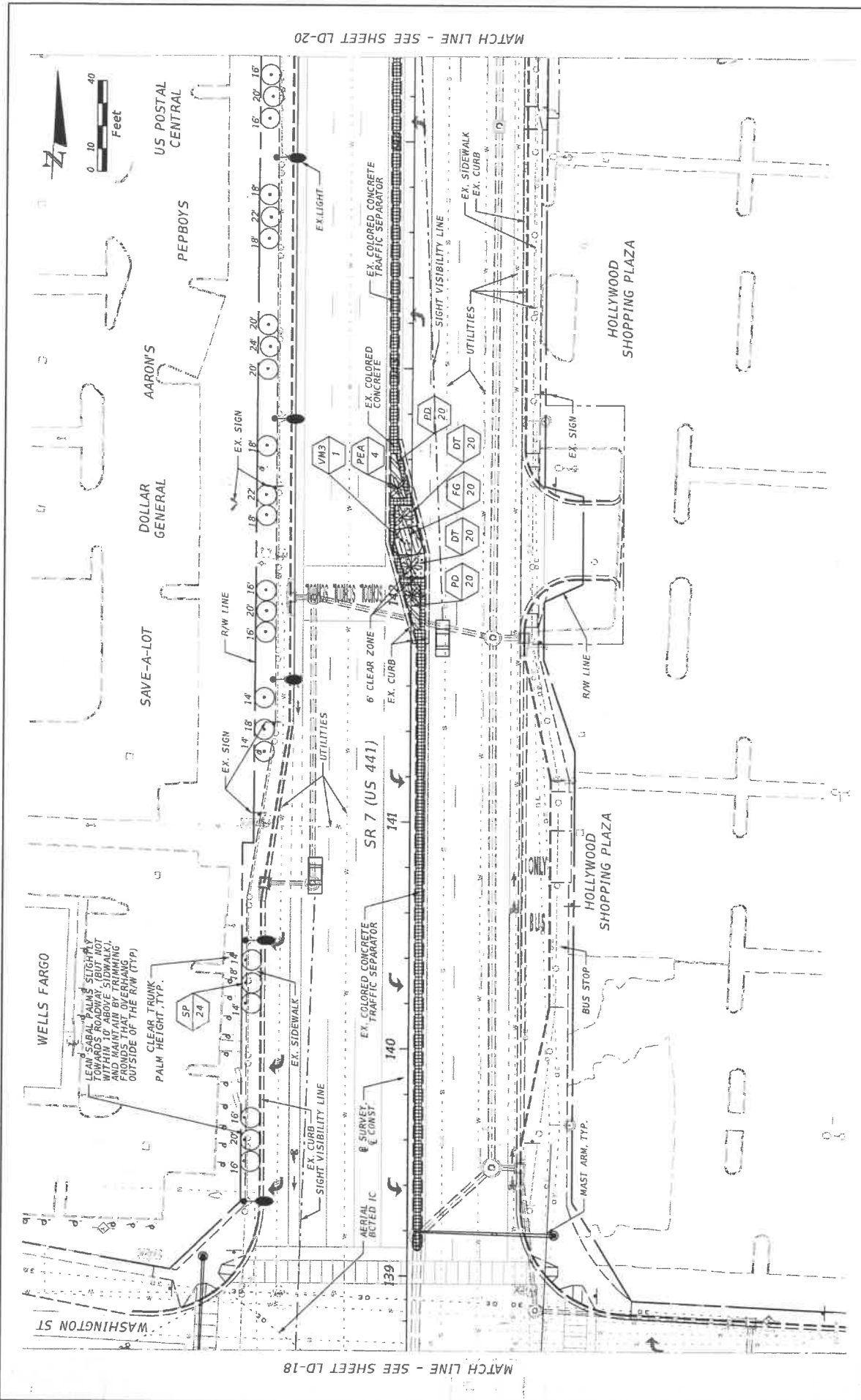
  

Landscape Architect Dr. Robert J. Collier, R.L.R. #1067 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane, Suite 1 Jupiter, Florida 33458 561-747-0336 Fax: 561-747-1377 Cert. of Arch. LC-0008295		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. <b>LD-18</b>
---	--	---	---------------------------

4/12/2017 12:00:02 PM F:\PROJECTS\DOT\2277753301 - SR 7 North\ansco\plan\LD18.dgn





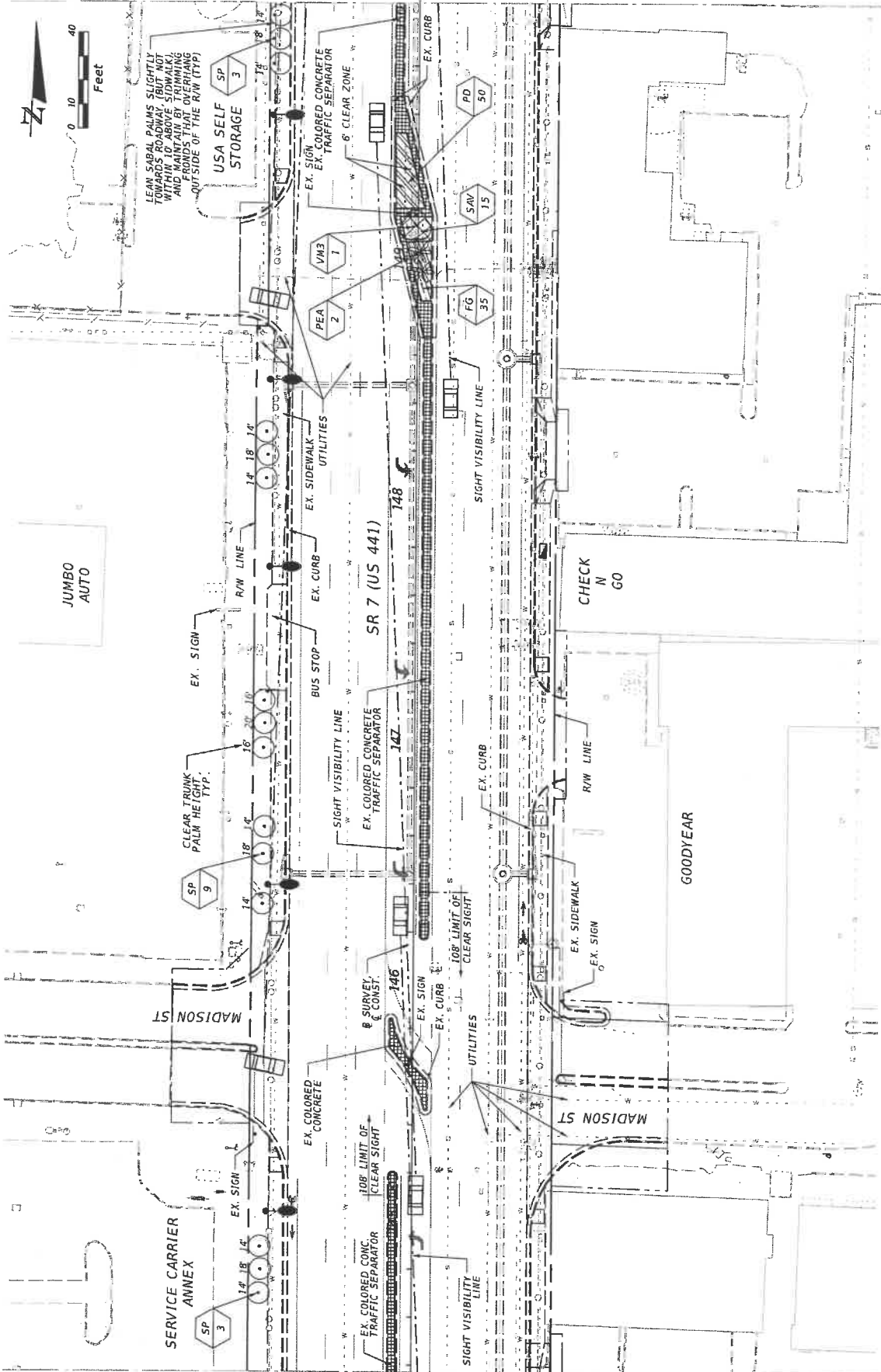
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. #1067	
<b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-4036 Fax: 561-747-1377 Cert. of Auth. LC-0008239	
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. 7	COUNTY BROWARD
FINANCIAL PROJECT ID 227715-3-52-01	PROJECT NO. 22771533201 - SR 7 Northbound Right of Way

LANDSCAPE PLAN	SHEET NO. LD-19
----------------	-----------------



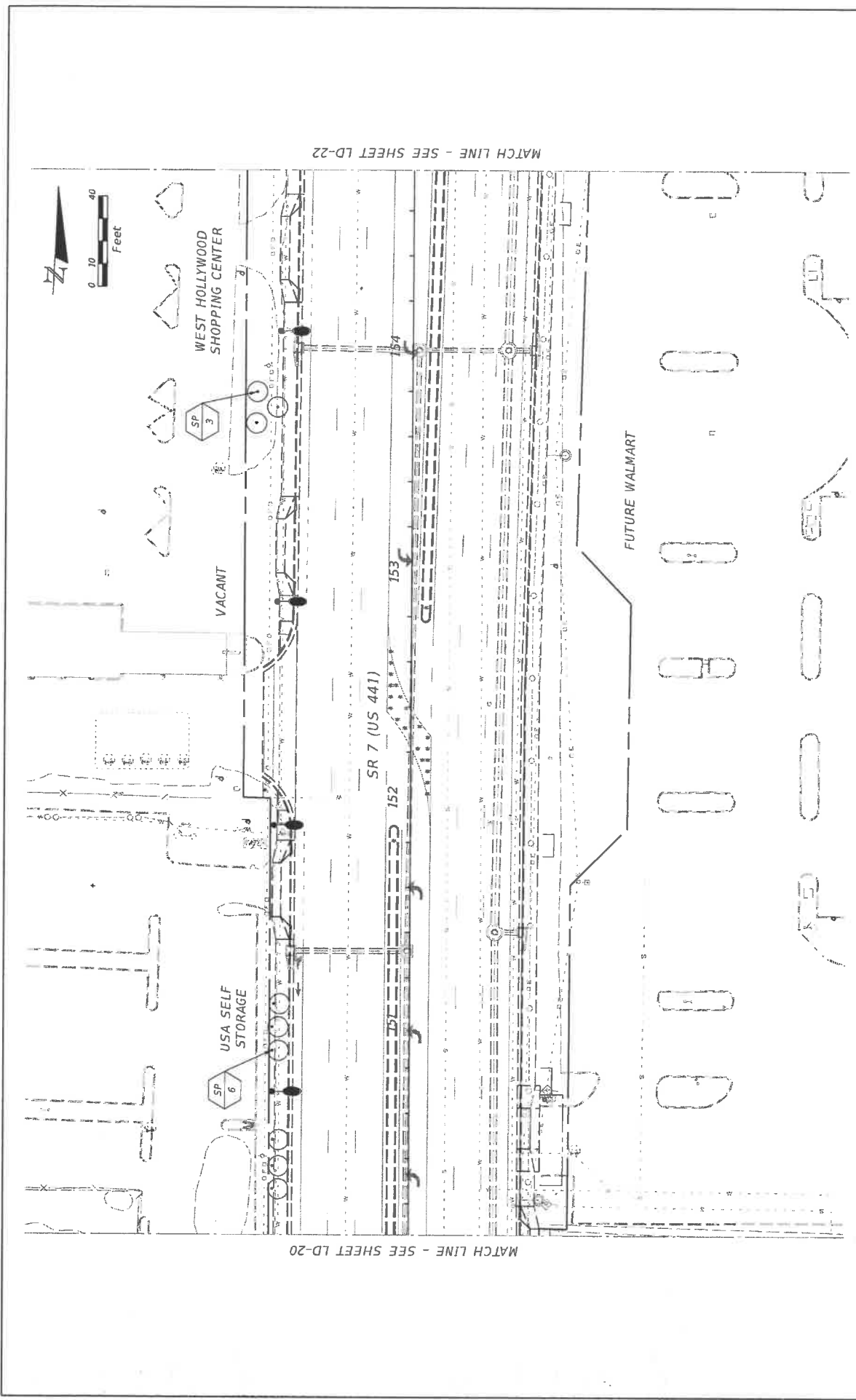
MATCH LINE - SEE SHEET LD-19

MATCH LINE - SEE SHEET LD-21

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. #1067				
<b>Cotleur &amp; Hearing, Inc.</b>				
1934 Commerce Lane Suite 1				
Jupiter, Florida 33456				
561-747-8336 Fax 561-747-1377				
City of Aventura, FL 3306229				
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	STATE OF FLORIDA	
7	BROWARD	227775-3-52-01	DEPARTMENT OF TRANSPORTATION	
LANDSCAPE PLAN		4/12/2017	12:03:05 PM	E:\PROJECTS\2007\2277753201 - SR 7 (US 441)\LandscapePlan.DWG
SHEET NO.	LD-20			



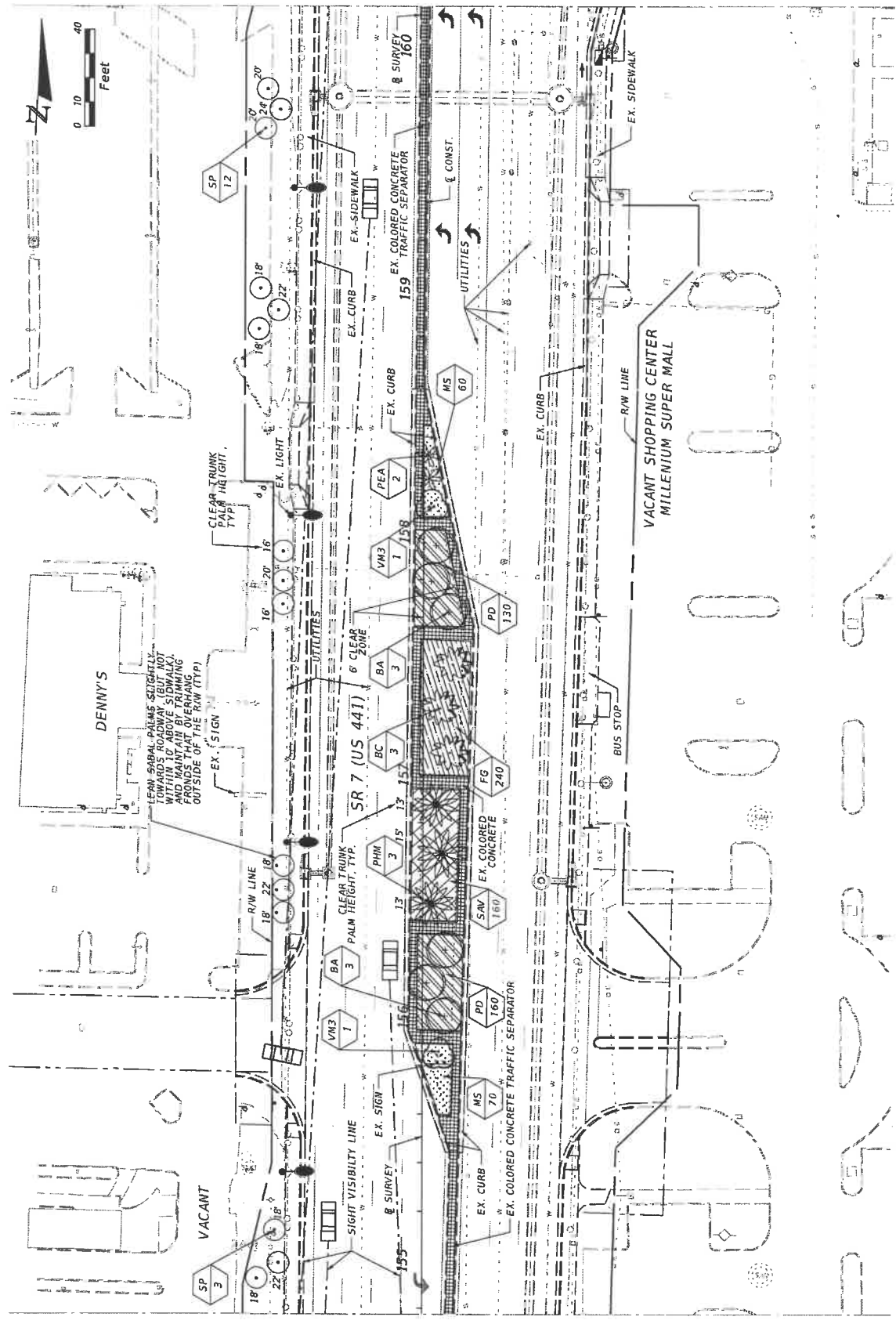
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. # 1007 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33456 Tel: 1-888-6336-2222 Fax: 1-888-6336-1377 Corp. of Arch. LC-0004239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. <b>LD-21</b>
--	--	---	---------------------------

4/12/2017 12:03:11 PM FN\PROJECTS\2007\2277753201 - SR 7 Rev\NandscapePlanLD21.dgn



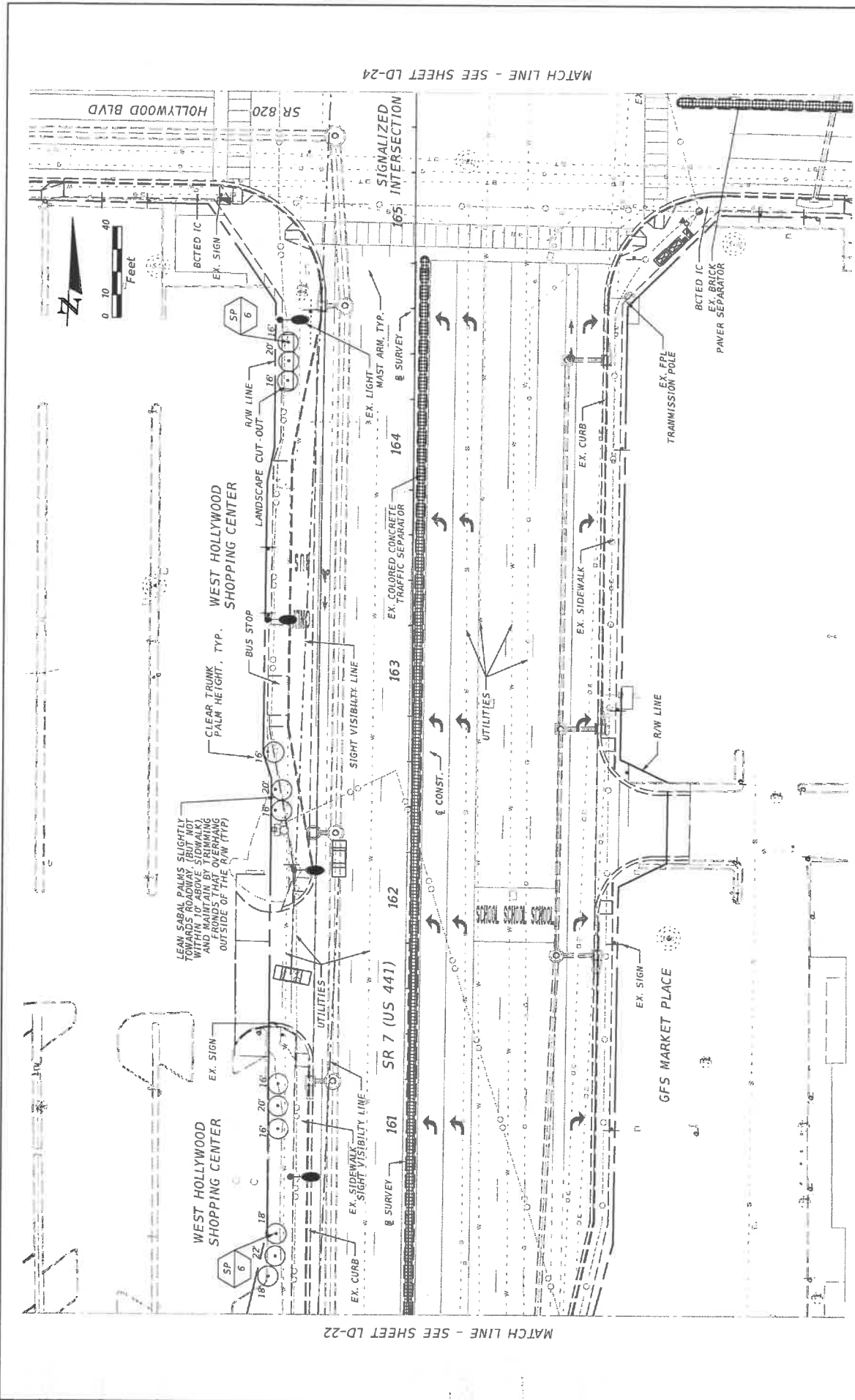
MATCH LINE - SEE SHEET LD-23

MATCH LINE - SEE SHEET LD-21

DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01
LANDSCAPE PLAN		
Landscape Architect of Record: Robert J. Collier, A.L.A. #1807 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite J Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 Corp. of Arch. LC-0008239		
SHEET NO. LD-22	4/12/2017 12:00:12 PM F:\PROJECTS\1001\2277753201 - SR 7 ROW\IN\LANDSCAPE\LAND22.dgn	7 BROWARD 227775-3-52-01



MATCH LINE - SEE SHEET LD-22

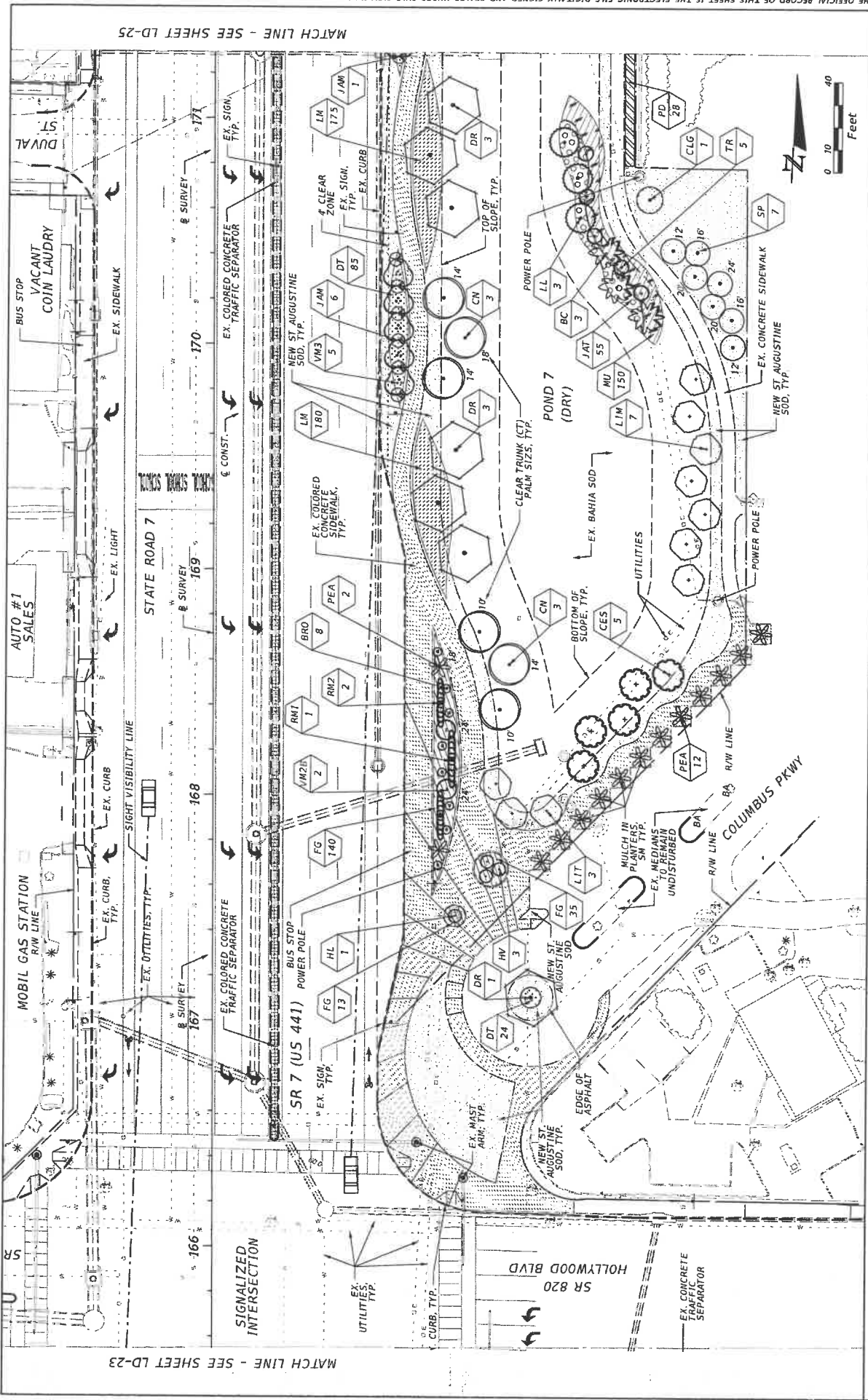
MATCH LINE - SEE SHEET LD-24

REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, R.L.A. #1067  
**Cotleur & Hearing, Inc.**  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Phone: 561-742-1377  
 Fax: 561-742-1377  
 Cert. of Auto. LC-000239

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. 7  
 COUNTY BROWARD  
 FINANCIAL PROJECT ID 227775-3-52-01

SHEET NO. LD-23

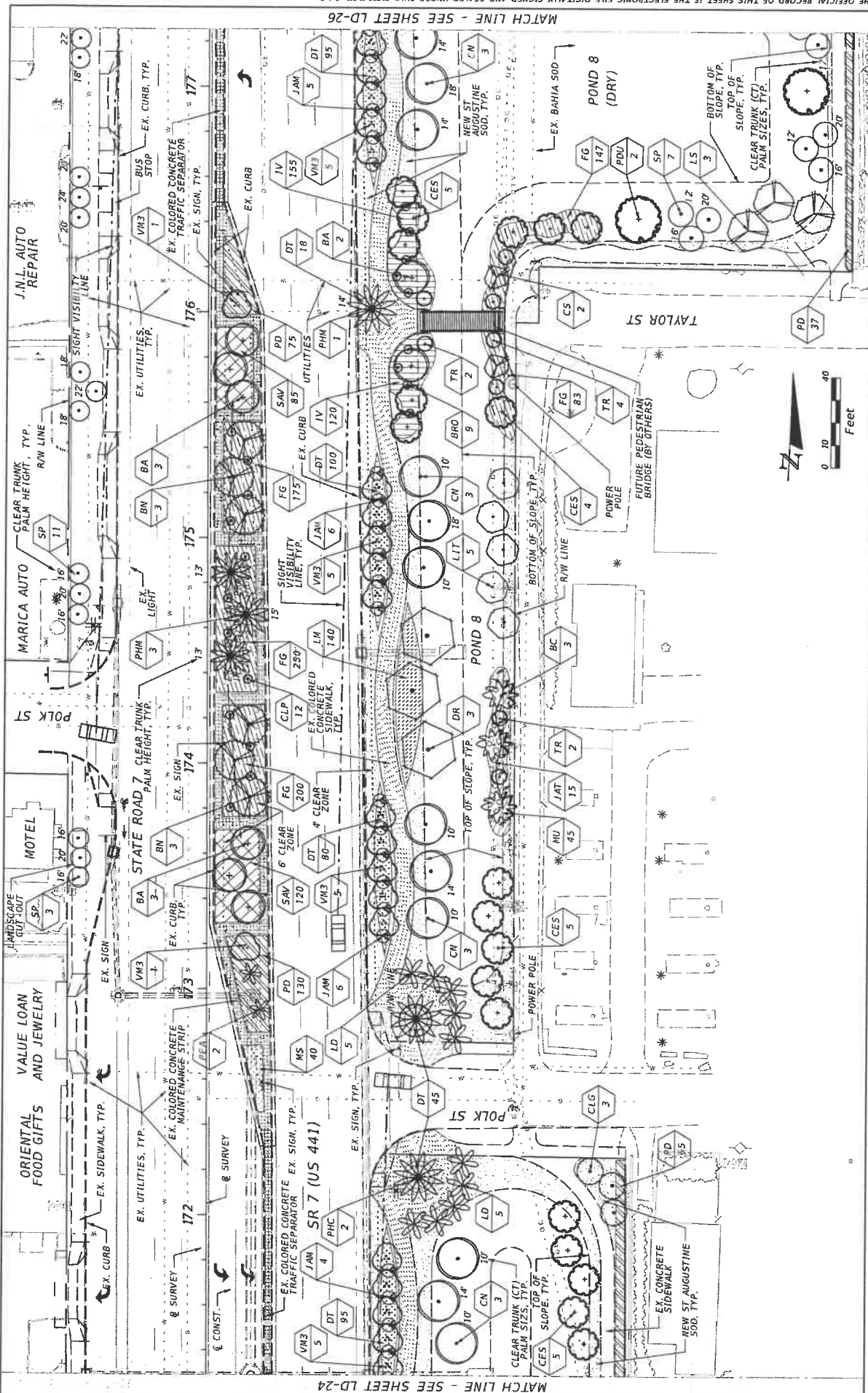


MATCH LINE - SEE SHEET LD-25

MATCH LINE - SEE SHEET LD-23

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Collier, R.L.A. #1087 COLLEIER & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 772-5536100 Fax: 561-962-1377 Co. of Adm. Lic: C080225		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 221775-3-52-01
LANDSCAPE PLAN LD-24		SHEET NO. LD-24 9/12/2017 12:03:17 PM F:\PROJECTS\400\221775\0301 - SR 7 NORTH\DWG\CAD\024.rvt

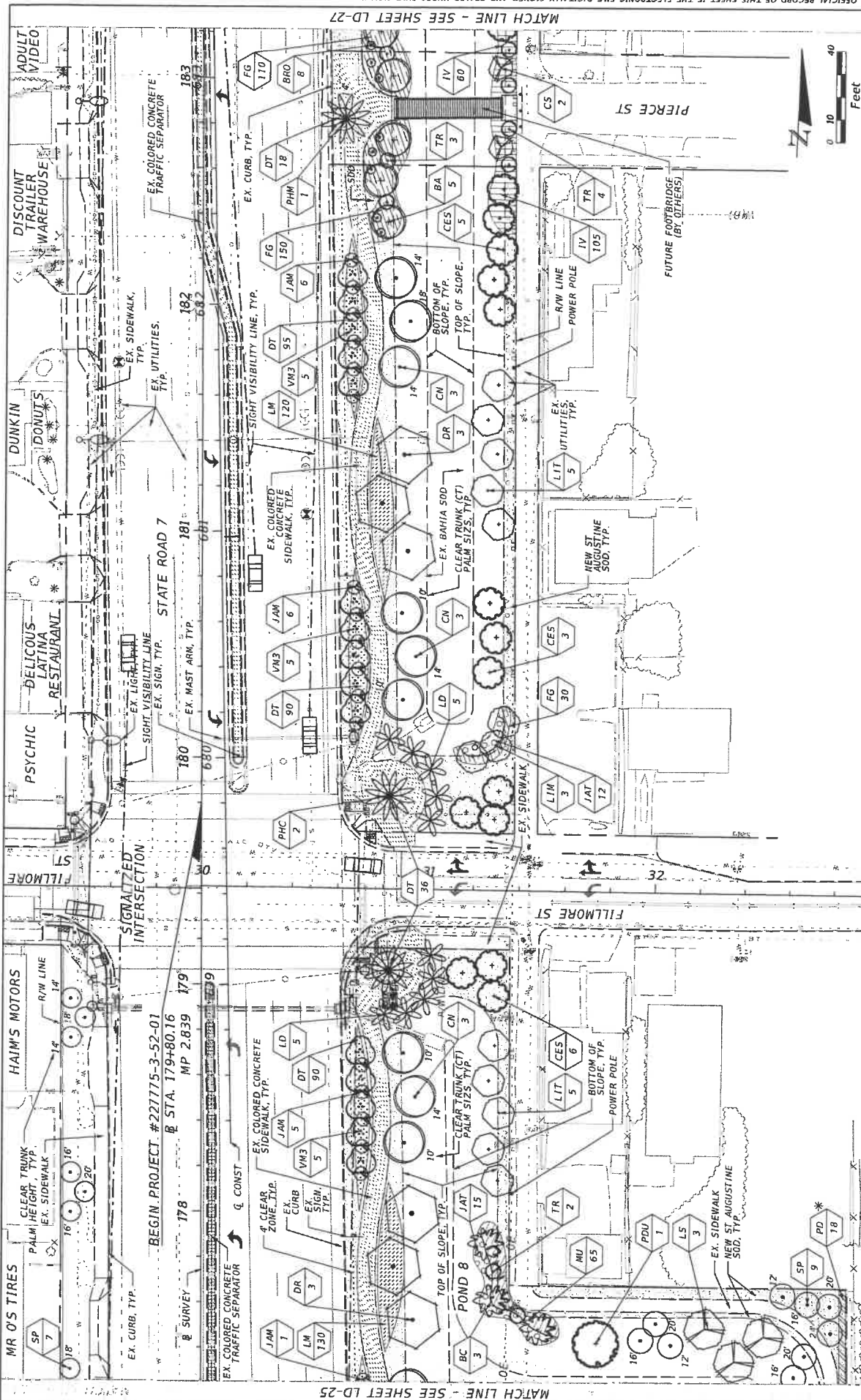


MATCH LINE - SEE SHEET LD-24

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Collier, AIA #1087 COTLEUR & HEARING, INC. 1934 Commerce Line Suite 1 Jupiter, Florida 33458 Tel: 772-47-8258 Fax: 561-747-1377 Cert. of Arch. LC-0004559		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR 7 BROWARD 22775-3-52-01	
LANDSCAPE PLAN		SHEET NO. LD-25	



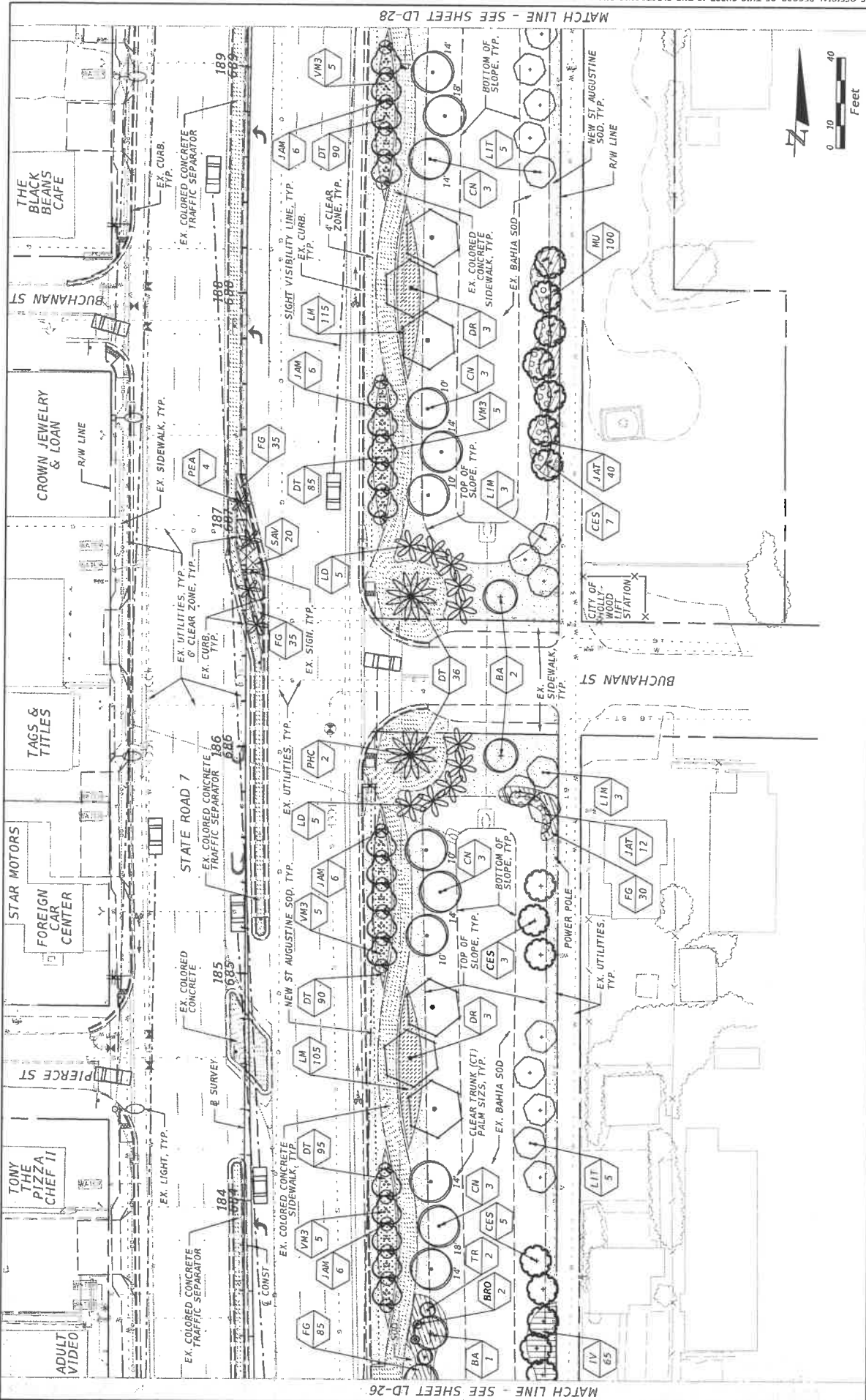
DATE	REVISIONS	DESCRIPTION

Landscape Architect of Record: Robert J. Callow, R.L.A. #1067		STATE OF FLORIDA	
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	
Jupiter, Florida 33458		SR 7	
Tel: 772-5536		COUNTY	
Fax: 772-5536		BROWARD	
City of Aventura, FL 3300333		FINANCIAL PROJECT ID	
		227775-3-52-01	
		SHEET NO.	
		LD-26	

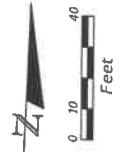
4/12/2017 1:40:32 PM F:\PROJECTS\2007\2277753301 - SR 7\A01\NANSECA\PLAND\26.dwg





MATCH LINE - SEE SHEET LD-26

MATCH LINE - SEE SHEET LD-28



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

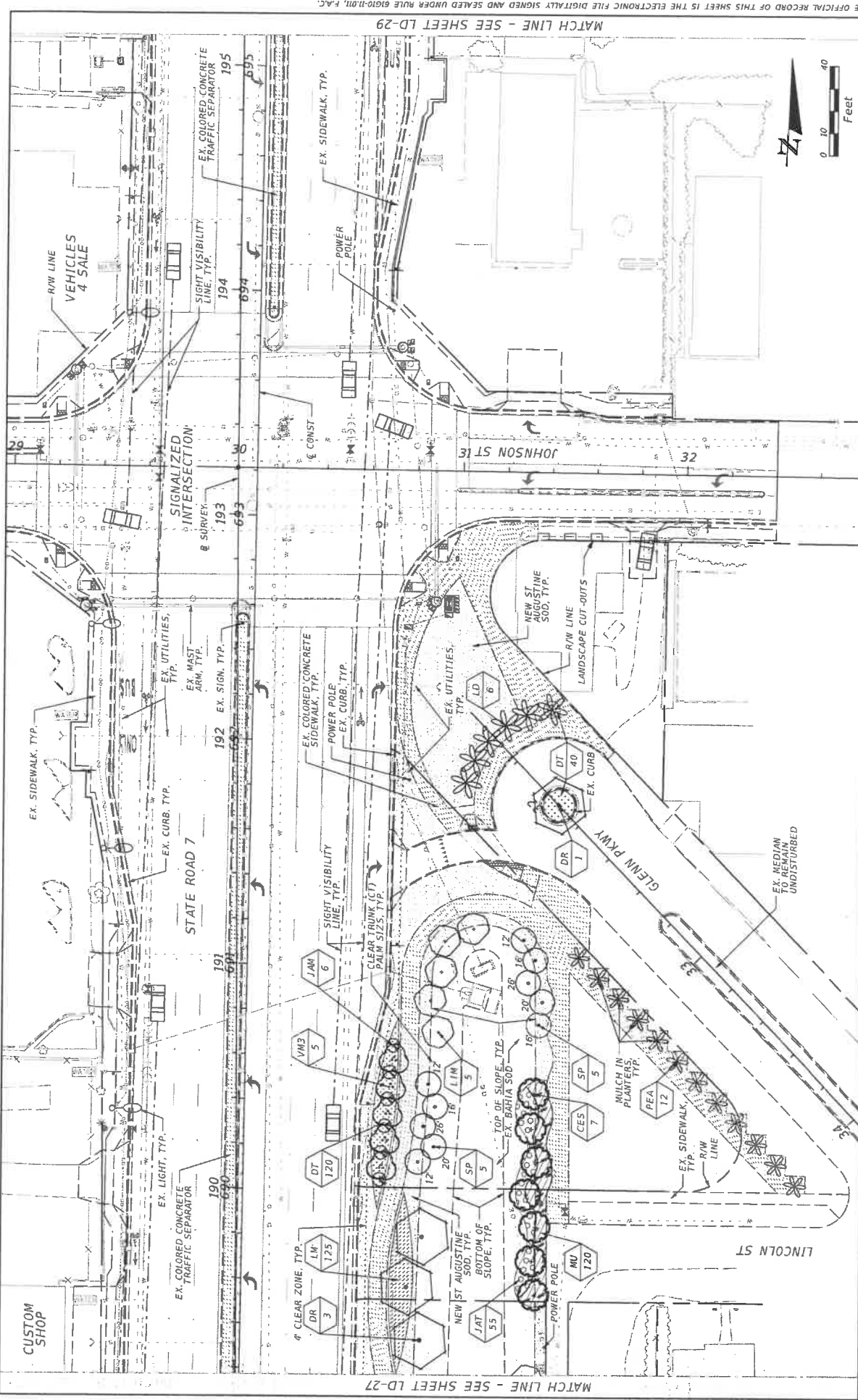
  

Landscape Architect of Record: Robert J. Colleur, RLA #1087		STATE OF FLORIDA	
COLLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	
Jupiter, Florida 33458		SR 7	
Tel: 561-744-1377		COUNTY	
Fax: 561-744-1377		BROWARD	
Lic. No. LC-000239		FINANCIAL PROJECT ID	
		227715-3-52-01	

SHEET NO.	LD-27
-----------	-------

4/12/2017 12:03:23 PM E:\PROJECTS\DOT\2277153201 - SR 7\North\LD27.dwg



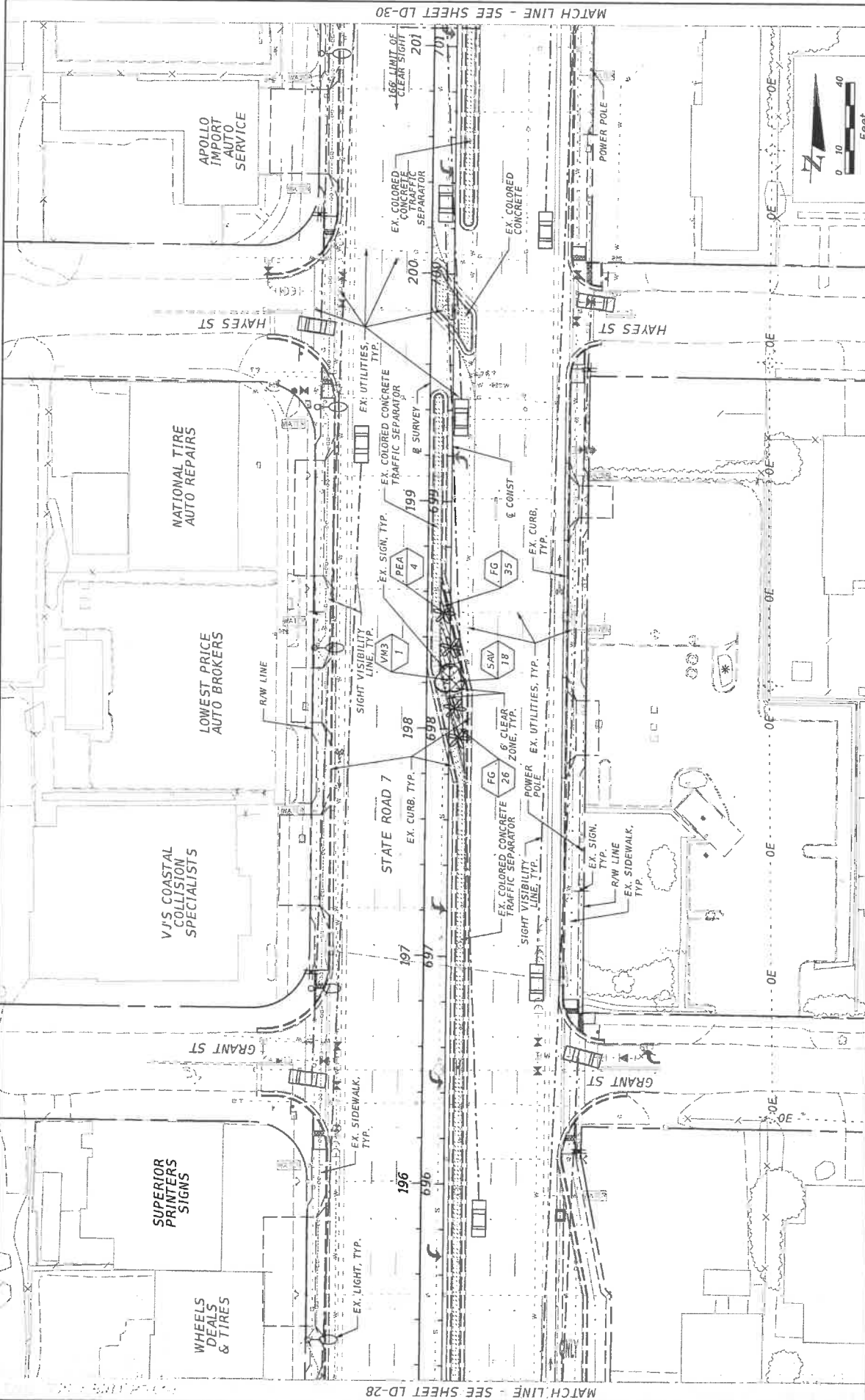
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.A. #1087  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Cell Phone: 561-747-1377  
 CoE. of. Arch. LC-C00023

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO. SR 7	COUNTY BROWARD	FINANCIAL PROJECT ID 2277753-52-01
--	---------------	----------------	------------------------------------

LANDSCAPE PLAN  
 SHEET NO. LD-28  
 4/12/2017 12:03:23 PM F:\PROJECTS-2007\27753301 - SR 7 North\NewSitePlan\LD28.dwg

OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-1.01, F.A.C.  
 MATCH LINE - SEE SHEET LD-27  
 MATCH LINE - SEE SHEET LD-29



MATCH LINE - SEE SHEET LD-28

MATCH LINE - SEE SHEET LD-30

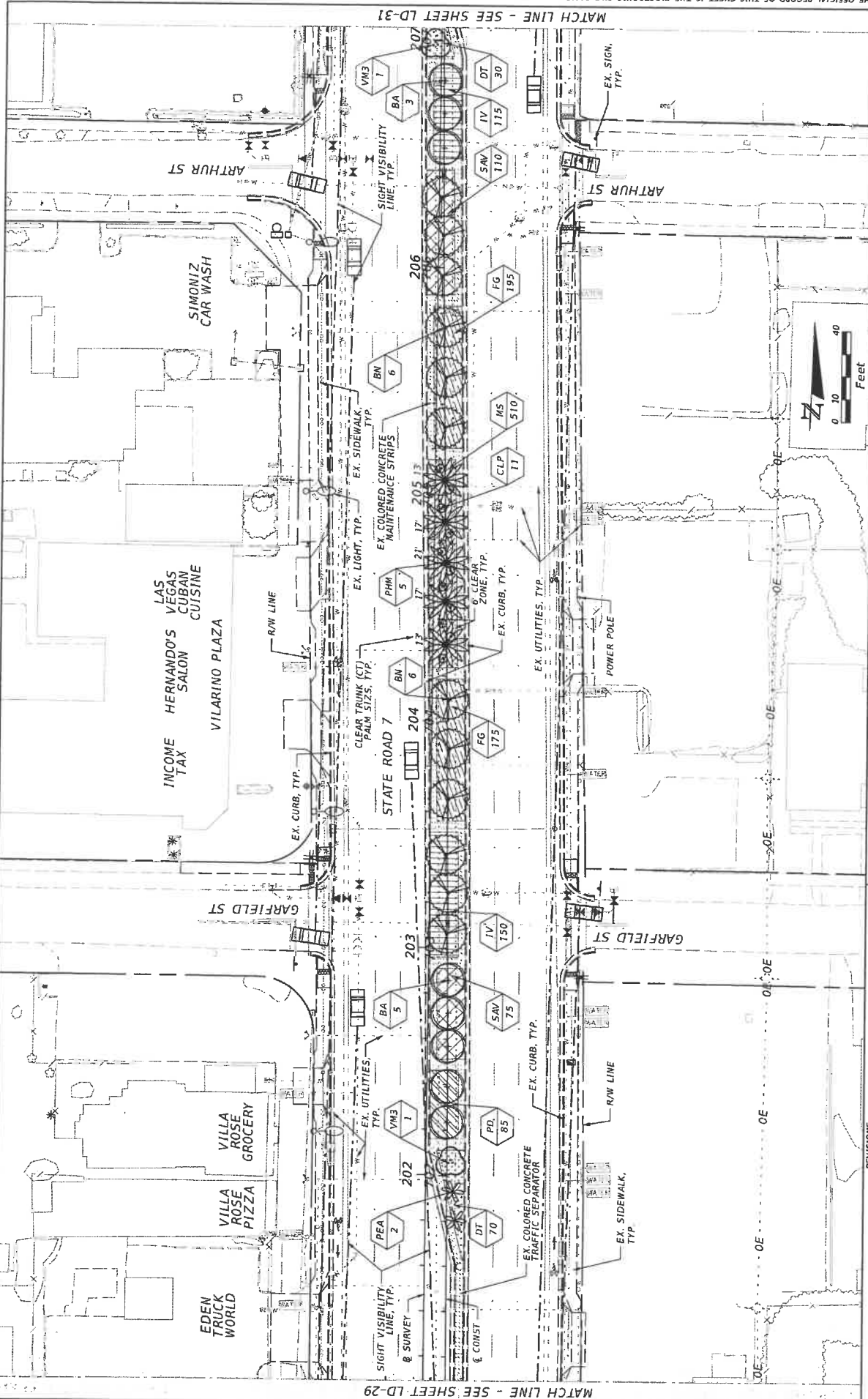
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: ROBERT J. CHENIER, R.A.#1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 888-777-8336 FAX 561-741-1377 CCP of ARCH. LC-000235	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-29
---	--	-----------------

LANDSCAPE PLAN

4/12/2017 12:03:26 PM F:\PROJECTS\LD001\227753201 - SR 7\ROAD\BUSINESS\LANDSCAPE.PLT



MATCH LINE - SEE SHEET LD-29

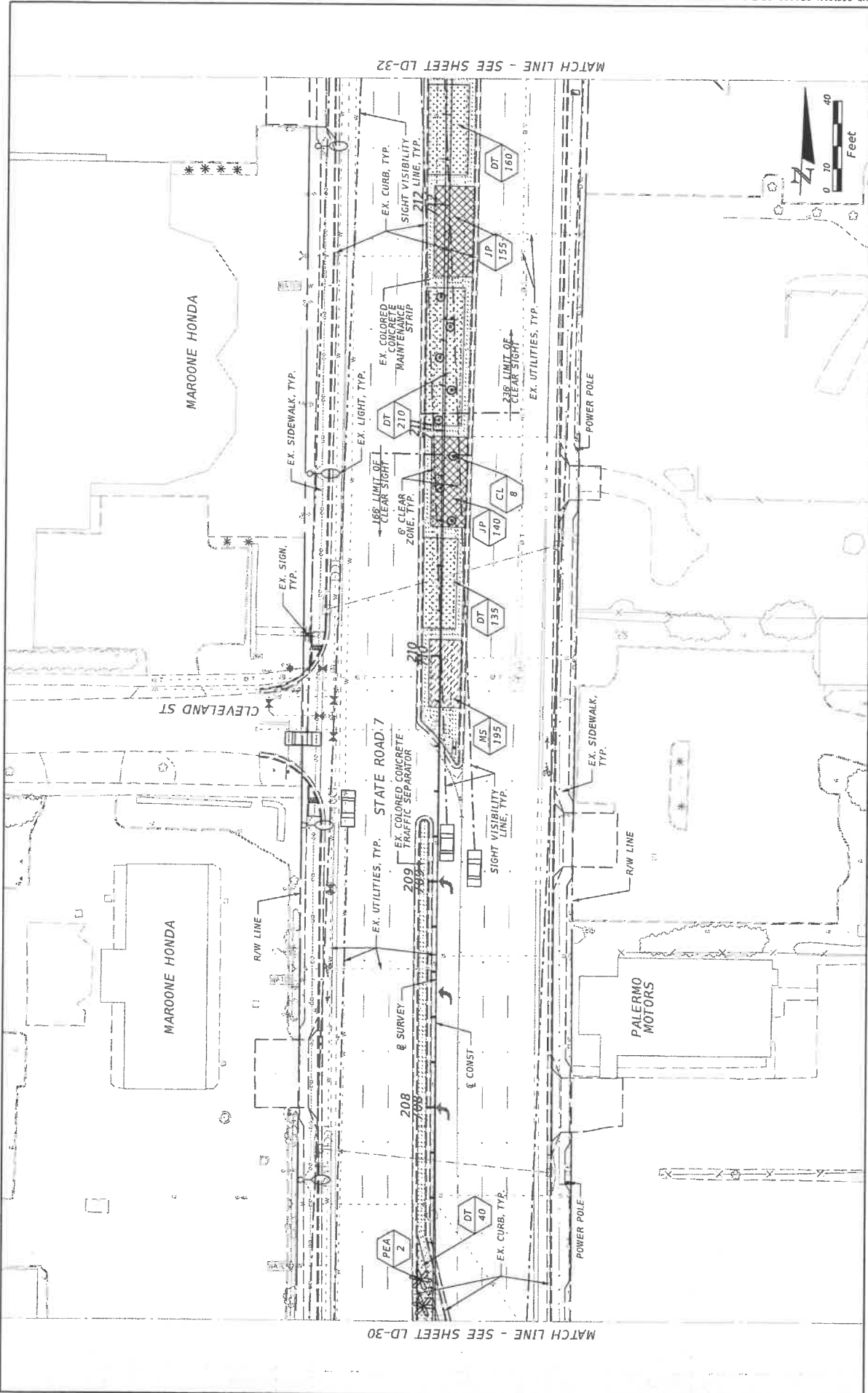
MATCH LINE - SEE SHEET LD-31

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Cellier, RLA # 1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: 561-747-1377 Cell: 561-747-1377 Fax: 561-747-1377 Cert. of Arch. LC-000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-30 4/12/2017 12:03:27 PM F:\PROJECTS-2001\2277753201 - SR 7 North\landscape\dmLD30.dwg
---	--	--	---

LANDSCAPE PLAN



DATE	REVISIONS	DESCRIPTION

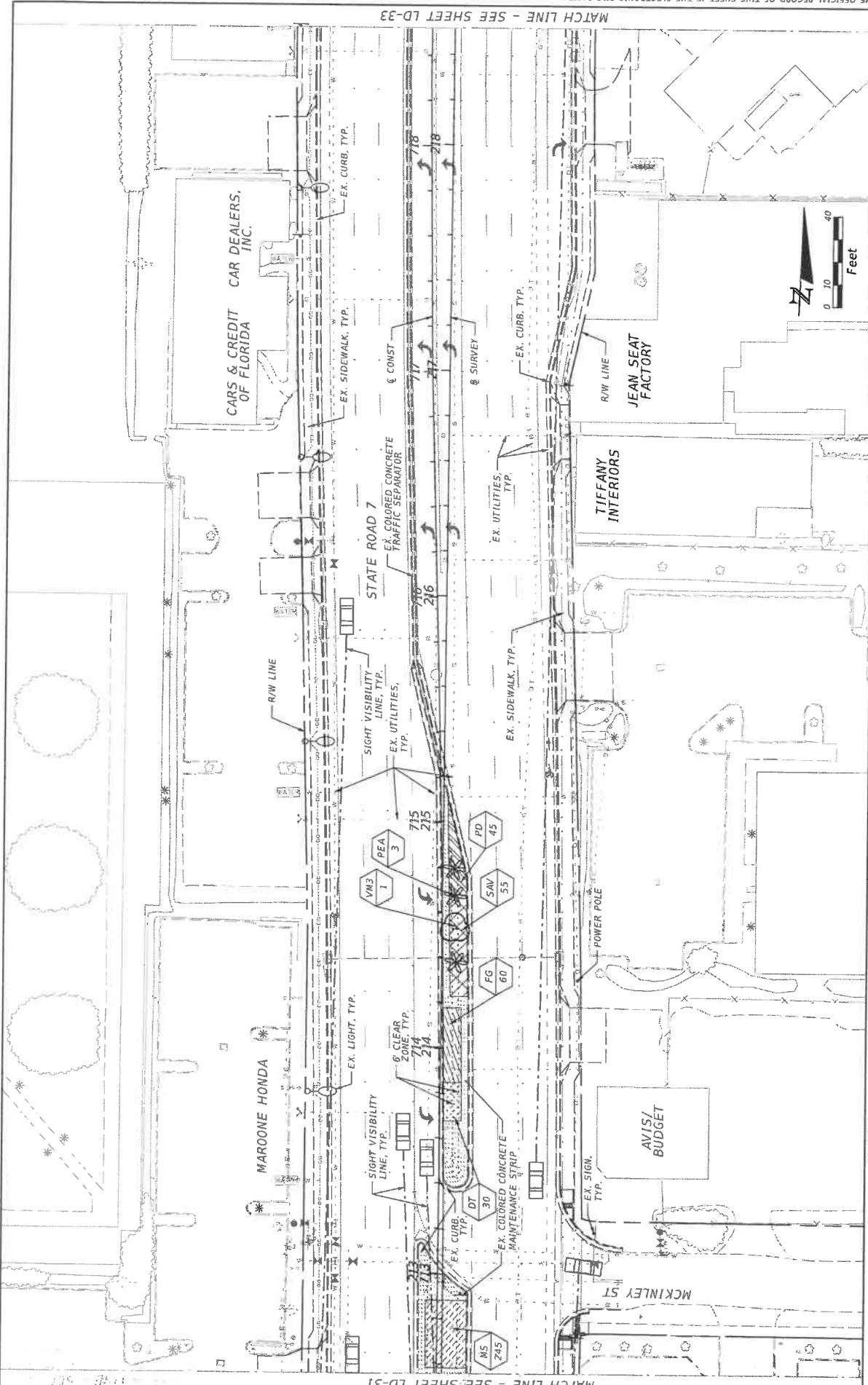
  

Landscape Architect of Record: Robert J. Cotleur, R.I.A. #11967	
COTLEUR & HEARING, INC.	
1934 Commerce Lane Suite 1	
Jupiter, Florida 33458	
Tel: 561-748-1717 Fax: 561-748-1377	
Cert. of Auth. LC-000229	
ROAD NO.	SR 7
COUNTY	BROWARD
FINANCIAL PROJECT ID	227775-3-52-01

STATE OF FLORIDA	4/12/2017	1:02:28 PM	F:\PROJECTS\1001\2277753301 - SR 7\North\MSA\PLAN\LD31.dwg
DEPARTMENT OF TRANSPORTATION			
LANDSCAPE PLAN			
SHEET NO.	LD-31		

MATCH LINE - SEE SHEET LD-33



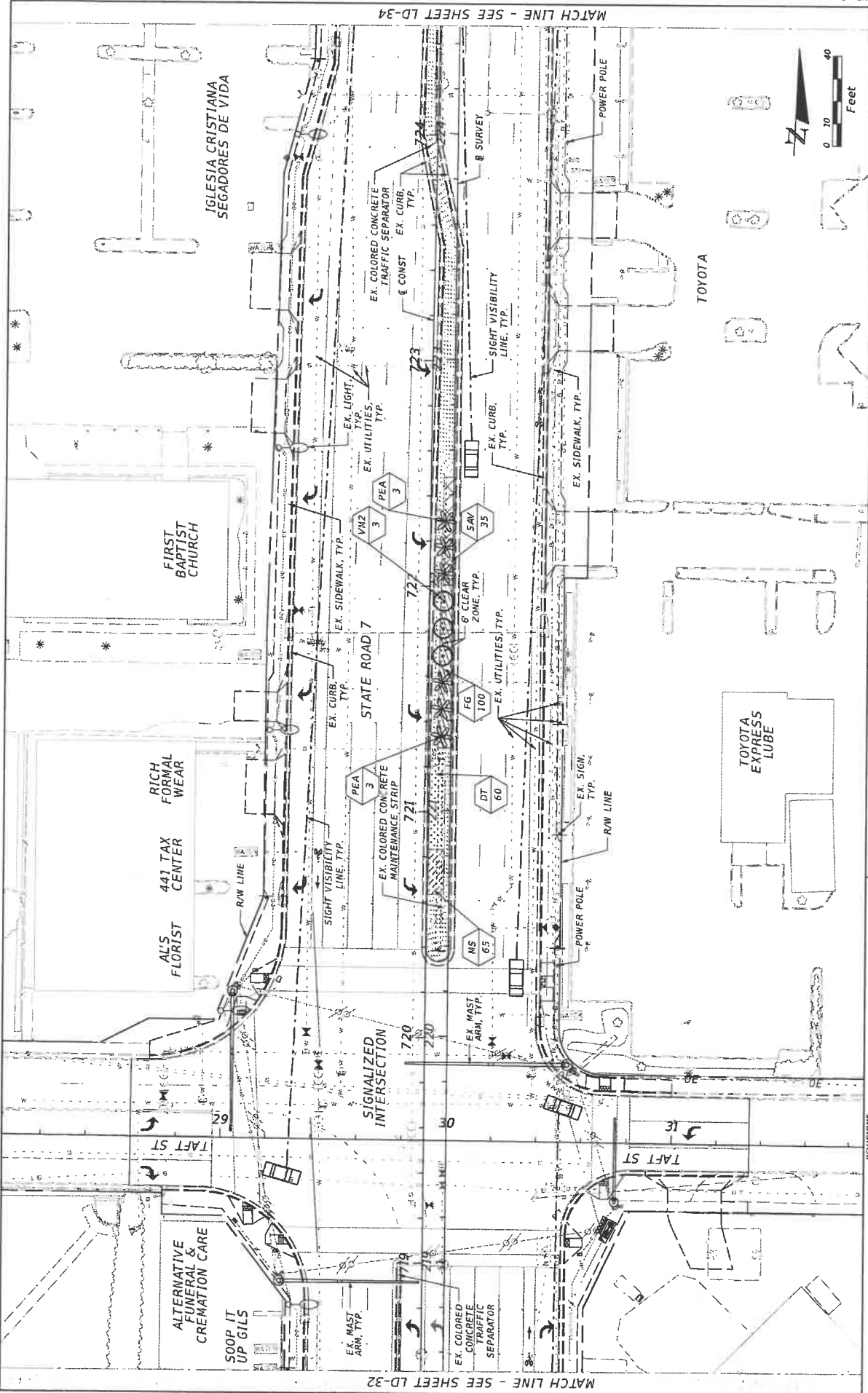
MATCH LINE - SEE SHEET LD-31

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.A. #1087 COLLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 2010 of Arch. LC-0004229		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-32
--	--	---	-----------------

MATCH LINE - SEE SHEET LD-34



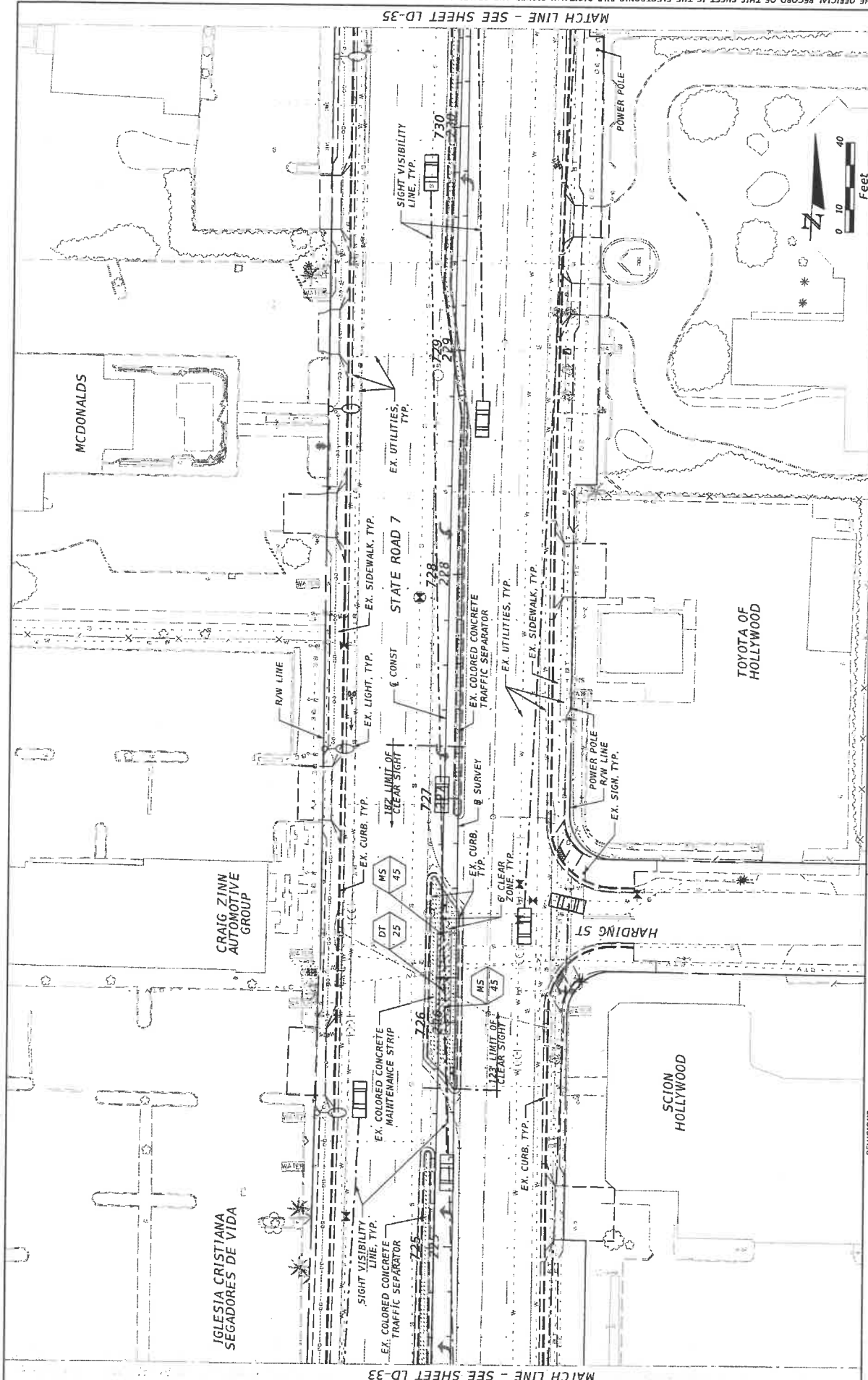
MATCH LINE - SEE SHEET LD-32

DATE	DESCRIPTION	REVISIONS	DATE

Landscape Architect of Record: Robert J. Carbur, R.L.A. #1097 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: 561-742-1377 Cell: 408-6000280		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-33
ROAD NO. SR 7	COUNTY BROWARD	FINANCIAL PROJECT ID 227775-3-52-01	LANDSCAPE PLAN
4/12/2017 12:03:31 PM E:\PROJECTS\F001\2277753201 - SR 7 North\BROWARD\LD33.dwg		author	

MATCH LINE - SEE SHEET LD-35



MATCH LINE - SEE SHEET LD-33



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

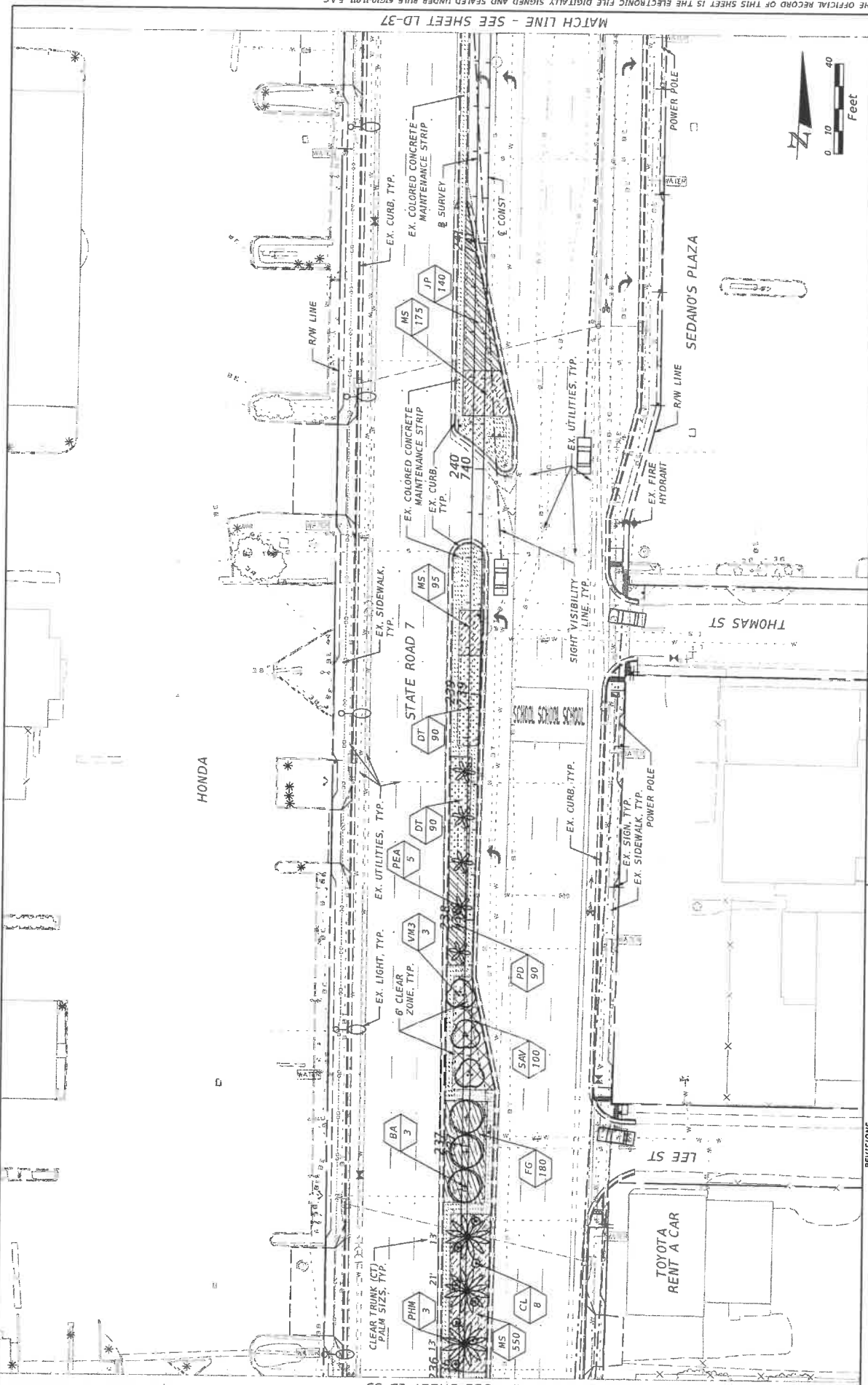
  

LANDSCAPE ARCHITECT OF RECORD: Robert J. Centaur, R.I.A. #1067		STATE OF FLORIDA	SHEET NO.
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	LD-34
1934 Commerce Lane, Suite 1		COUNTY	BROWARD
Jupiter, Florida 33458		FINANCIAL PROJECT ID	
Cell: 407-249-1377		SR 7	227775-3-52-01
Fax: 407-560-0023		PROJECTS-000-2277753201 - SR 7 NORTHBOUND WIMLDS4.0P	





MATCH LINE - SEE SHEET LD-37



MATCH LINE - SEE SHEET LD-35

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

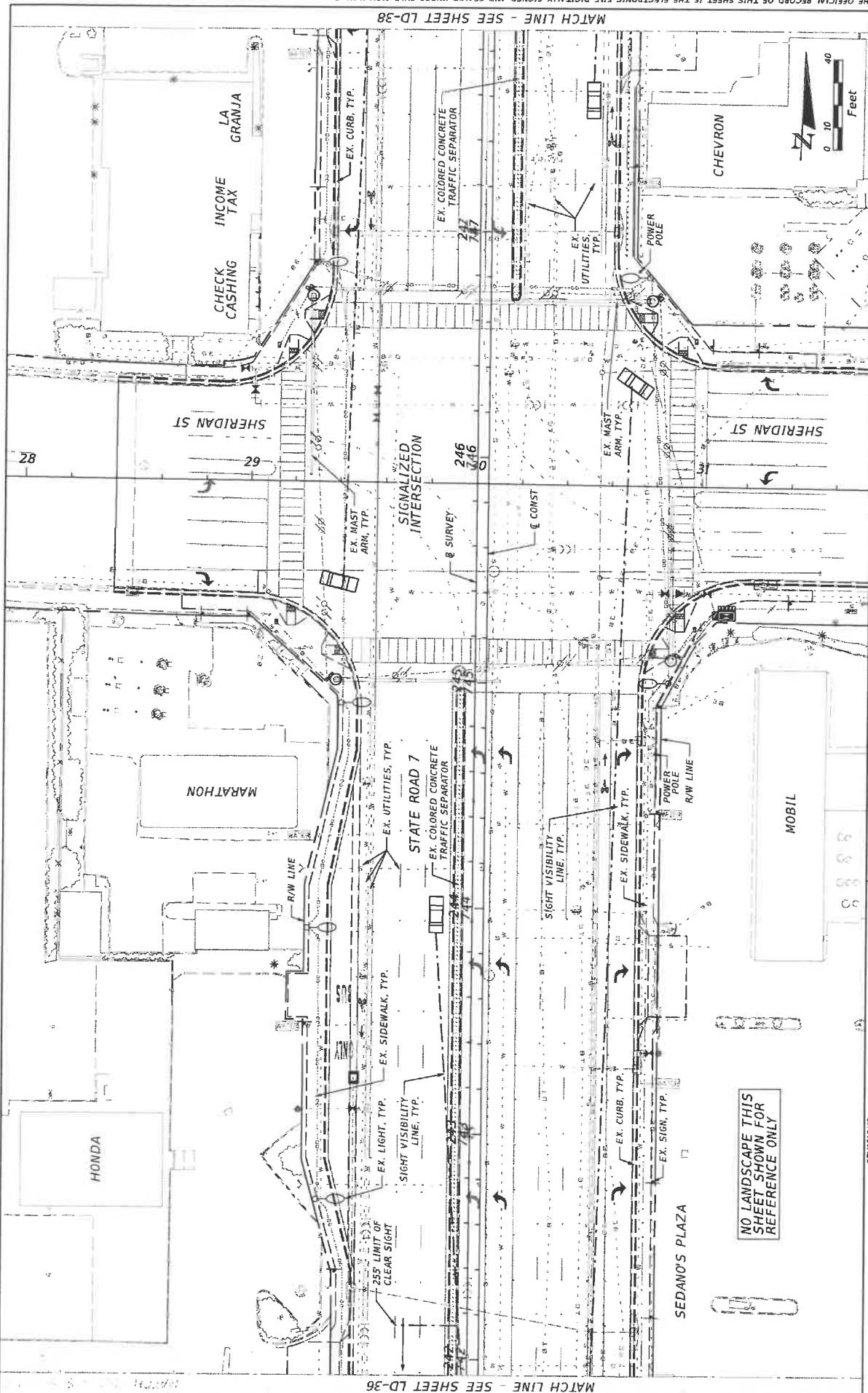
  

Landscape Architect of Record: Robert J. Corbett, R.L.A. #1067		STATE OF FLORIDA	
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO. SR 7	
Apalachee, Florida 32458		COUNTY BROWARD	
Tel: 904-472-1377		FINANCIAL PROJECT ID 227775-3-52-01	
Fax: 904-472-1377		SR 7	
Cert. of Auth. LC-C000229		PROJECTS #001-2277753201 - SR 7 NorthsideCA March 20, 2011	

SHEET NO.	LD-36
<b>LANDSCAPE PLAN</b>	

MATCH LINE - SEE SHEET LD-38



MATCH LINE - SEE SHEET LD-36

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Collier, RLA #1087 COLLIER & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Cell: 407-747-1377 Off: 407-747-1377 Lic. No. LC-C000233		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO. SR 7	COUNTY BROWARD	FINANCIAL PROJECT ID 227775-3-52-01
--	--	--	------------------	-------------------	--

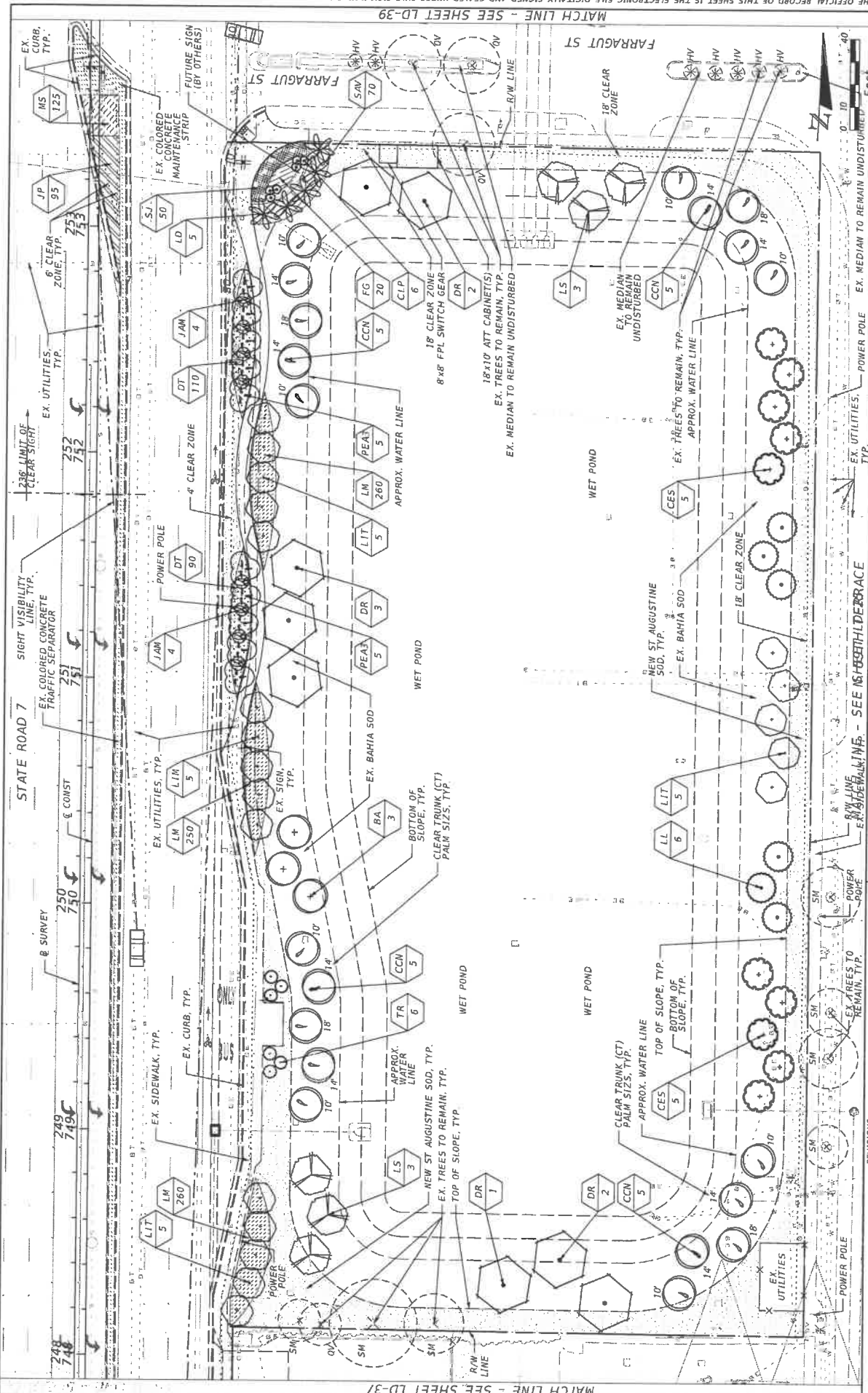
  

SHEET NO. LD-37	LANDSCAPE PLAN
--------------------	----------------

4/17/2017 12:02:36 PM \\projects\1001\2277753201 - SR 7\m\l\landscape\plan\037.dwg

MATCH LINE - SEE SHEET LD-37

MATCH LINE - SEE SHEET LD-38



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 7  
 COUNTY BROWARD  
 FINANCIAL PROJECT ID 22775-3-52-01

Landscape Architect of Record: Robert J. Collier, RLA # 1067  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Phone: 561-747-1377  
 Cell: 561-238-8888  
 Fax: 561-747-1377  
 E-mail: info@cotleur.com

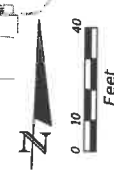
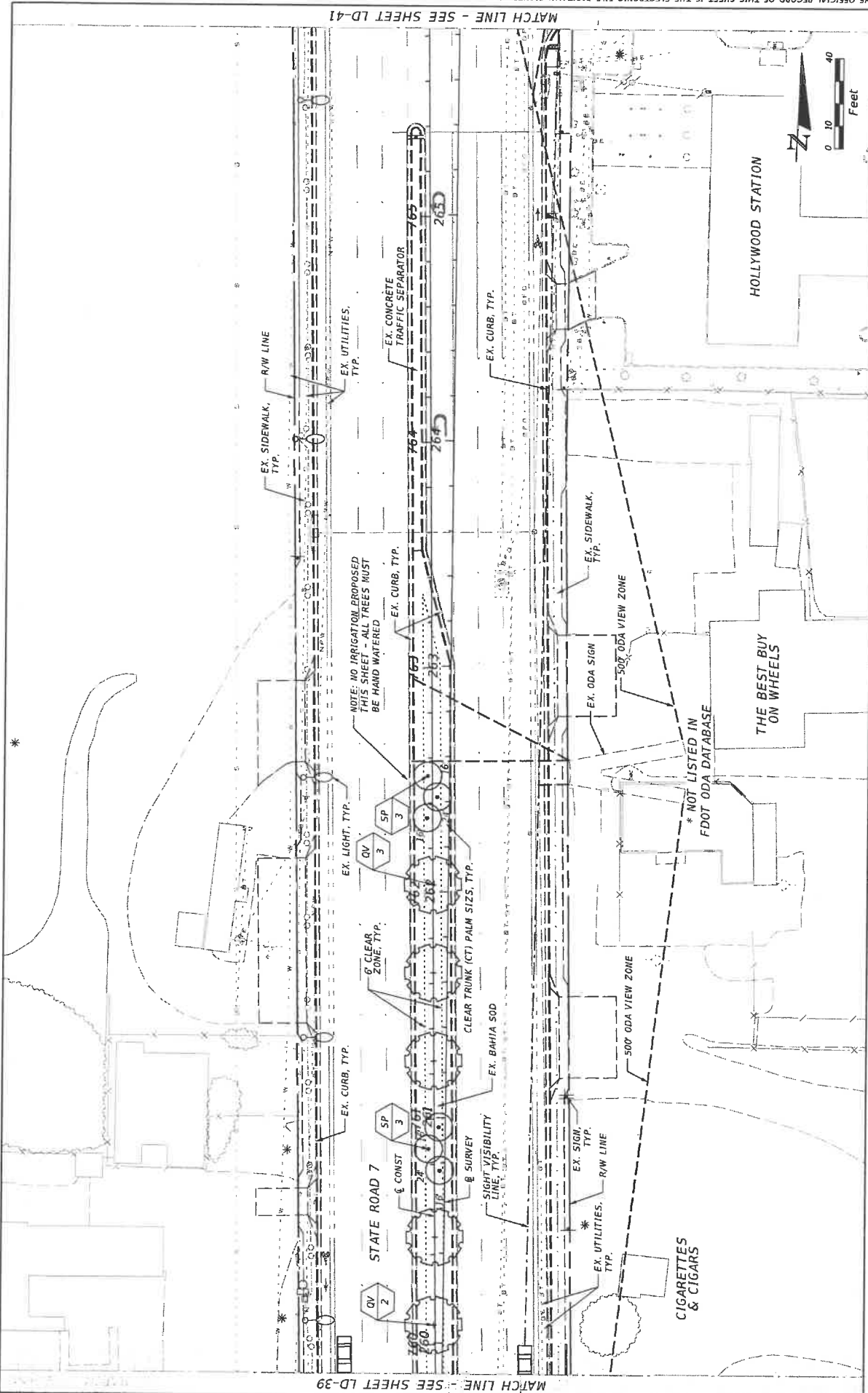
EX. MEDIAN TO REMAIN UNDISTURBED  
 EX. UTILITIES, TYP.  
 POWER POLE  
 EX. MEDIAN TO REMAIN UNDISTURBED

LANDSCAPE PLAN  
 SHEET NO. LD-38  
 PROJECTS: 2007-2017  
 4/17/2017



MATCH LINE - SEE SHEET LD-41

MATCH LINE - SEE SHEET LD-39



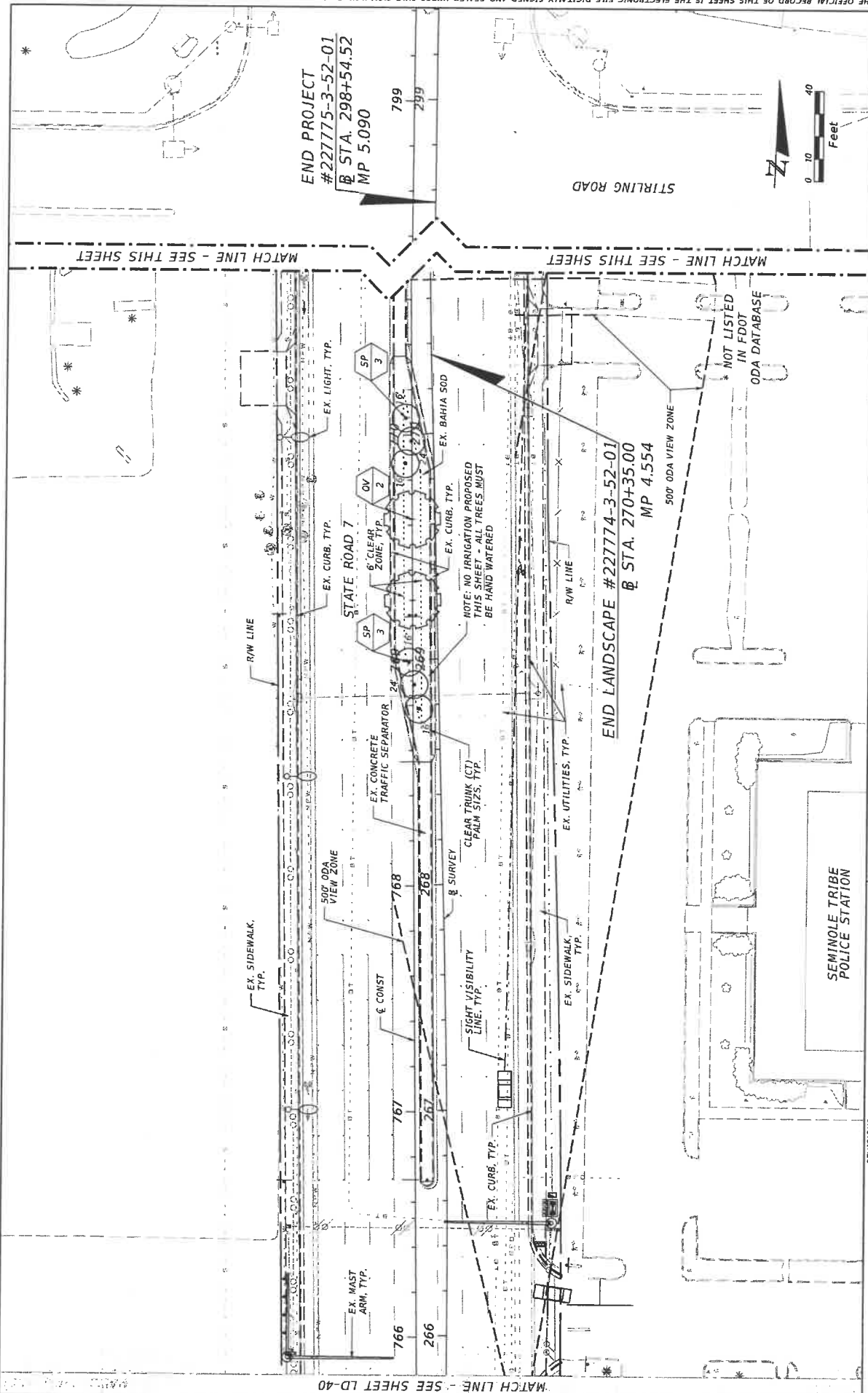
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, R.L.A. #1087		STATE OF FLORIDA		SHEET NO.
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION		LD-40
1934 Commerce Lane Suite 1		ROAD NO.		SR 7
Jupiter, Florida 33458		COUNTY		BROWARD
Tel: 772-47-6336 Fax: 772-47-1377		FINANCIAL PROJECT ID		22775-3-52-01
E-Reg. of Arch. LC-0089229				

4/12/2017	12:03:40 PM	F:\PROJECTS-EDOT\227753201 - SR 7\Map\NVA\LD-40.dwg
-----------	-------------	---



END PROJECT  
#22775-3-52-01  
@ STA. 298+54.52  
MP 5.090

END LANDSCAPE #22774-3-52-01  
@ STA. 270+35.00  
MP 4.554

SEMINOLE TRIBE  
POLICE STATION

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, RLA #1067 COLLIER & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 561-747-1377 Fax: 561-747-1378 Lic. No. LC-000233		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-41
ROAD NO. SR 7	COUNTY BROWARD	FINANCIAL PROJECT ID 22775-3-52-01	PROJECT NO. 22775-3-52-01





IRRIGATION LEGEND AND TABULATION OF QUANTITIES

SYM	DESCRIPTION	UNIT	QUANTITY BY SHEET													TOTAL	
			LD-67	LD-68	LD-69	LD-70	LD-71	LD-72	LD-73	LD-74	LD-75	LD-76					
⊕	RAIN BIRD 1404 SERIES BUBBLER	EA															
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP E.S. (END STRIP)	EA	2	2	1												10
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP S.S. (SIDE STRIP)	EA	7	2													24
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP E.S. (END STRIP)	EA															4
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP S.S. (SIDE STRIP)	EA															4
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 10' QUARTER	EA	2	2	5												1
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 10' HALF	EA	7	15	35												26
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP 10' QUARTER	EA															
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP 10' HALF	EA															10
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP 15' QUARTER	EA															
⊕	RAIN BIRD 1800 PRS SERIES, 6" POP UP 15' HALF	EA															5
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 15' FULL	EA															
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 15' QUARTER	EA															
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 15' HALF	EA															20
⊕	RAIN BIRD 1800 PRS SERIES, 12" POP UP 15' FULL	EA															26
⊕	RAIN BIRD ROTOR 5004 SERIES, QUARTER	EA															
⊕	RAIN BIRD ROTOR 5004 SERIES, HALF	EA															5
⊕	RAIN BIRD ROTOR 5004 SERIES, FULL	EA															3
⊕	RAIN BIRD 1" COMMERCIAL CONTROL ZONE KIT, SERIES KCZ-PRB-100-COM	EA															31
⊕	RAIN BIRD 1-1/2" COMMERCIAL CONTROL ZONE KIT, SERIES KCZ-PRB-150-COM	EA															46
⊕	RAIN BIRD PGA ANGLE SERIES 1-1/2" ELECTRIC VALVE IN 12"x 18" CARSON VALVE BOX	EA	1	1	2												2
⊕	2" REDUCED PRESSURE ASSEMBLY BACKFLOW PREVENTER (RPZ)	EA															
⊕	RAIN BIRD ESP-MC-SS-PED 24 STATION CONTROLLER WITH RAIN SENSOR & 120 VOLT DISCONNECT SWITCH	EA															
⊕	WATER SERVICE TAP & 1.5" METER IN 12"x 18" CON-400-18 CONCRETE METER BOX	EA															
⊕	5 HP PUMP WITH 240 VOLT DISCONNECT SWITCH, LAKE WATER AS SOURCE, RAIN BIRD ESP-MC-24 CONTROLLER WITH A 120 VOLT DISCONNECT SWITCH & RAIN SENSOR	EA															
⊕	* PVC SCH. 40 LATERAL LINES	LF	260	564	232	591	944										2201
⊕	* 2-1/2" SCH. 40 PVC MAIN LINE	LF															1390
⊕	DIRECTIONAL BORE (SIZE NOTES ON THE PLANS)	LF															2155
⊕	* SCH. 40 PVC SLEEVE (INSTALLED AS PART OF THE PREVIOUS ROADWAY PROJECT, FPI 227775-1-52-01)	LF															1018
⊕	* SURFACE DRIP LINE, RAIN BIRD XF-09-12, 1' ON CENTER	SF	1484														786

ELECTRICAL SERVICE LEGEND

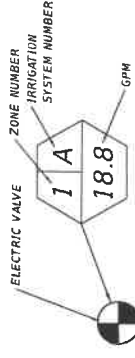
POWER DISTRIBUTION POINT, FOR REQUIREMENTS SEE SERVICE POINT DETAIL SHEET.

NOTES: REFER TO IRRIGATION LEGEND FOR PRODUCT DESCRIPTION AND MODEL NUMBERS  
 \* PIPE LENGTHS BASED ON SCHEMATIC LAYOUT SHOWN IN THESE PLANS. ACTUAL QUANTITIES MAY VARY.

DATE	DESCRIPTION	DATE	DESCRIPTION
REVISIONS			
LANDSCAPE ARCHITECT OF RECORD: Robert J. Collier, R.I.C.A. #1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: 561-747-1377 Cert. of Auth. LC-C-000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	
IRRIGATION LEGEND AND TABULATION OF QUANTITIES			SHEET NO. LD-42B

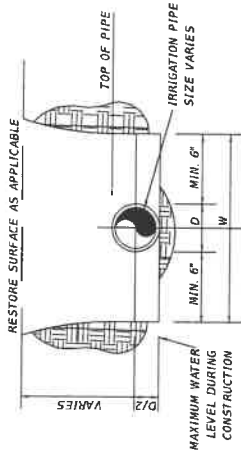
**IRRIGATION PROJECT NOTES**

1. REFER TO DETAIL SHEETS FOR ELECTRIC SERVICE POINT DETAILS.
2. REFER TO LANDSCAPE PROJECT NOTES FOR A LIST OF KNOWN UTILITY PROVIDERS IN THE AREA.
3. IRRIGATION PLANS DO NOT COVER THE ENTIRE PROJECT LIMITS. ONLY AREAS TO RECEIVE IMPROVEMENTS ARE SHOWN.
4. IN AREAS WHERE IRRIGATION SYSTEMS ARE PROVIDED, MAKE ADJUSTMENTS TO THE IRRIGATION SYSTEM TO ENSURE 100% COVERAGE AND TO MINIMIZE OVERSPRAY AND SUBSTITUTE ADJUSTABLE NOZZLES FOR FIXED PATTERN NOZZLES SPECIFIED WHERE NECESSARY.
5. ALL NEW SLEEVES ARE SHOWN IN THESE PLANS AND WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE. VERIFY ALL EXISTING SLEEVES OR DIRECTIONAL BORES CONSTRUCTED WITH PROJECT #22775-3-52-01 AND ALL EXISTING IRRIGATION MAIN LINES AND LOW VOLTAGE WIRES INSTALLED WITH PROJECT #22774-3-52-01 PRIOR TO COMMENCEMENT. CONSULT WITH THE ENGINEER IF ANY DISCREPANCIES ARE FOUND.
6. ALL SUBSTITUTIONS TO MATERIALS SPECIFIED SHALL BE APPROVED BY THE ENGINEER AND THE MAINTAINING AUTHORITY.
7. THE IRRIGATION CONTRACT FOR THE CITY OF HOLLYWOOD IS THE IRRIGATION SUPERVISOR, MR. DAVE MCNUITY, (954) 967-4220.
8. INSTALLATION REQUIREMENTS SHALL FOLLOW THE CURRENT FLORIDA BUILDING CODE, APPENDIX F - PROPOSED CONSTRUCTION BUILDING CODES FOR TURF AND LANDSCAPE IRRIGATIONS SYSTEMS.



**VALVE LABEL DETAIL**

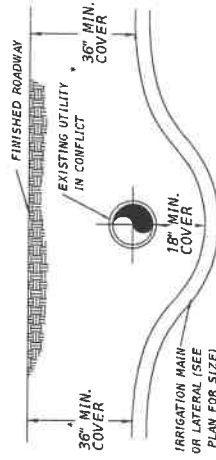
NOT TO SCALE



NOTES: BEDDING FOR TYPICAL IRRIGATION WATER 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 (ASHITO T-180). TYPE C BEDDING SHALL BE DEFINED AS: SAND WITH 100 PERCENT PASSING A #75 SIEVE AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 30.

**\* TYPICAL TRENCH DETAIL**

\* 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.



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 FOOT UTILITY ACCOMMODATION MANUAL

**TYPICAL CONFLICT DETAIL**

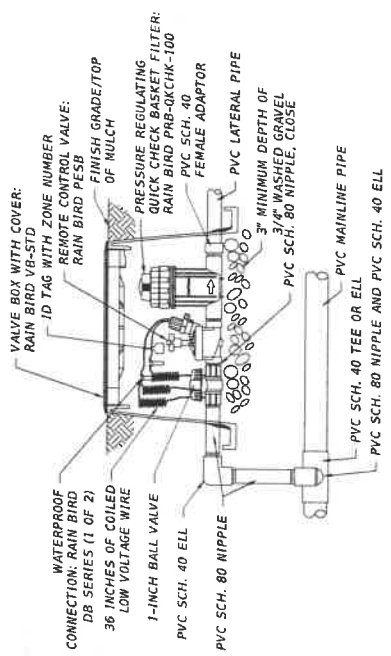
NOT TO SCALE

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, R.L.A. #1087  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 (407) 747-6336 FAX (407) 747-1377  
 Corp. of Arch. LC-0000229

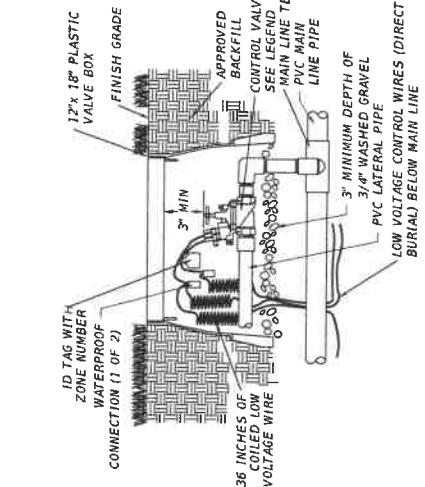
STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
5R 7	22775-3-52-01
COUNTY	
BROWARD	

<b>IRRIGATION PROJECT NOTES AND DETAILS</b>	
SHEET NO.	LD-43



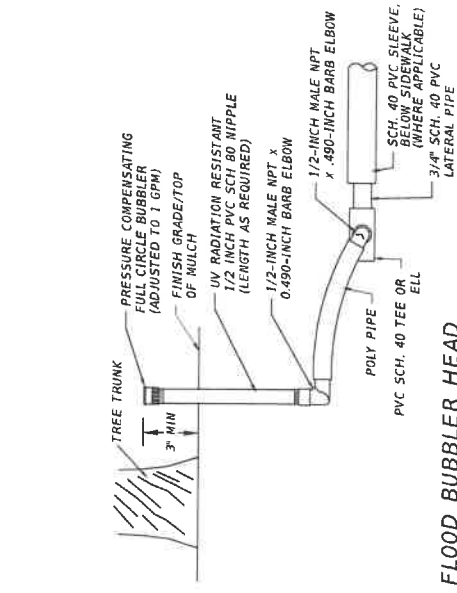
**RAIN BIRD 1" COMMERCIAL CONTROL ZONE KIT IN SQUARE VALVE BOX DETAIL (SERIES XCZ-PRB-100-COM)**

NOT TO SCALE



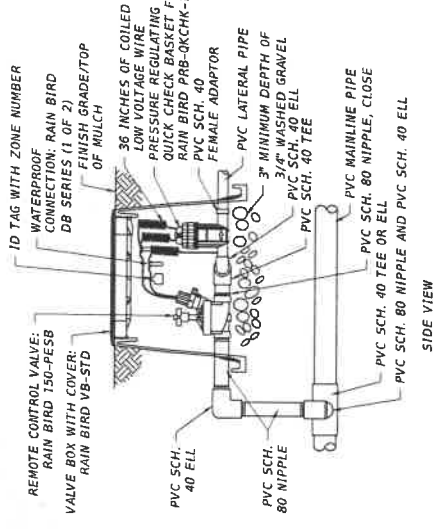
**RAIN BIRD 1" COMMERCIAL CONTROL ZONE KIT IN SQUARE VALVE BOX DETAIL (SERIES XCZ-PRB-100-COM)**

NOT TO SCALE



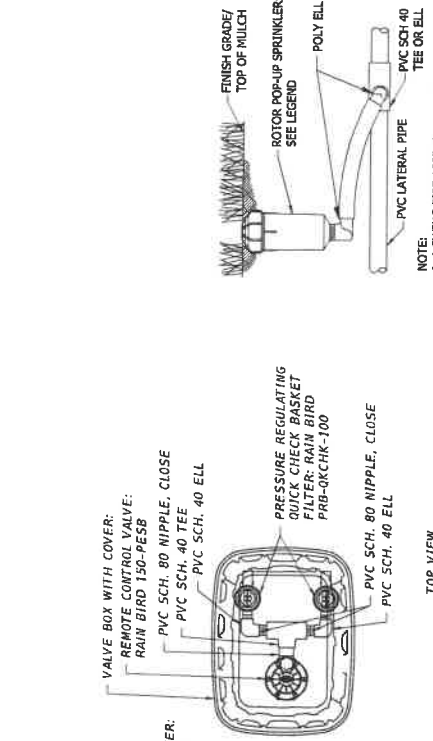
**FLOOD BUBBLER HEAD**

NOT TO SCALE



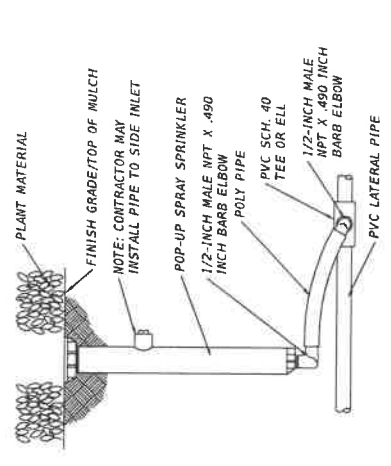
**RAIN BIRD 1-1/2" COMMERCIAL CONTROL ZONE KIT IN SQUARE VALVE BOX DETAIL (SERIES XCZ-PRB-150-COM)**

NOT TO SCALE



**RAIN BIRD 1-1/2" COMMERCIAL CONTROL ZONE KIT IN SQUARE VALVE BOX DETAIL (SERIES XCZ-PRB-150-COM)**

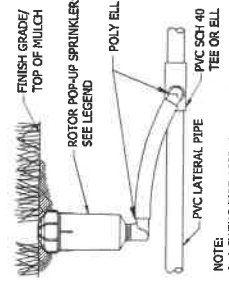
NOT TO SCALE



**6" OR 12" POP-UP SPRINKLER**

NOTE: INSTALL IRRIGATION HEADS 4" FROM BACK OF CURB, TYP.

NOT TO SCALE



**ROTOR HEAD DETAIL**

NOTE: 1. A SWING PIPE ASSEMBLY MAY BE USED WITH FLOWS LESS THAN 4 GPM.

NOT TO SCALE

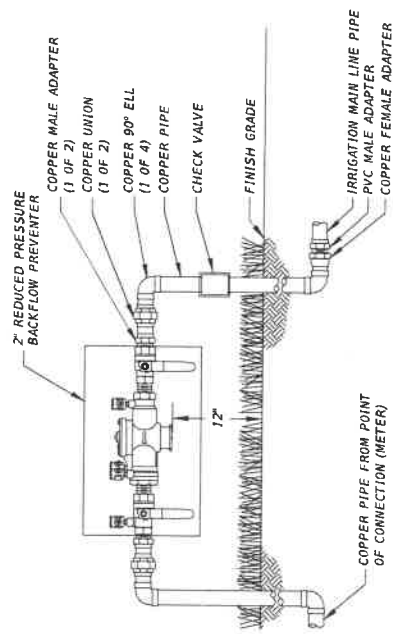
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Colleur, R.L.A. #1067  
**COLLEUR & HEARING, INC.**  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Phone: 561-744-1377  
 Cert. of Auth. LC-C000239

STATE OF FLORIDA	
DEPARTMENT OF TRANSPORTATION	
ROAD NO.	FINANCIAL PROJECT ID
SR 7	227775-3-52-01
COUNTY	number
BROWARD	

SHEET NO. LD-44

**IRRIGATION DETAILS**



NOTE: INSTALL RPZ BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

**2" RPZ BACKFLOW PREVENTER**

NOT TO SCALE

1-1/2" FLANGE TO 1-1/2" INNER DIAMETER THREADED COUPLING (ALL WORK UPSTREAM OF THIS FLANGE WILL BE COMPLETED BY THE CITY AND PAID FOR BY THE CONTRACTOR)

CONCRETE METER BOX, TOP OF BOX WILL BE SET FLUSH WITH FINISH GRADE (SEE PLAN FOR ACTUAL LOCATION)

1-1/2" WATER METER, INSTALLED BY CITY AND PAID FOR BY CONTRACTOR

GATE VALVE WITH LOCKING HANDLE COMPRESSION AND COMPRESSION BALL CURB STOP

EPOXY COATED 2" DOUBLE STRAP, SADDLE 1/2" THREAD

CORD STOP

BRASS COUPLING

EM5 MARKER

GRAVEL 3" MIN.

H.D.P.E. 2" ELL REQUIRED

GRAVEL 3" MIN. SERVICE LINE (H.D.P.E.)

COPPER PIPE

IRRIGATION MAIN LINE

LATERAL LINE

IRRIGATION CONTROL VALVE LOCATED WITHIN MEDIAN AND/OR EDGE OF RIGHT OF WAY SEE IRRIGATION DETAILS

IRRIGATION CONTROL VALVE LOCATED WITHIN MEDIAN AND/OR EDGE OF RIGHT OF WAY SEE IRRIGATION DETAILS

PROPOSED MEDIAN LANDSCAPING

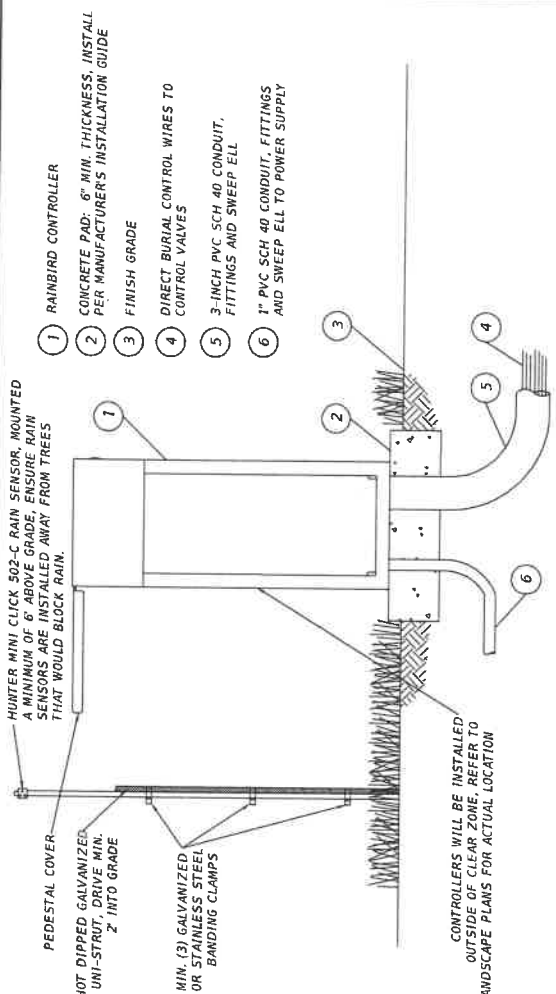
PROPOSED MEDIAN LANDSCAPING

ROADWAY PAVEMENT

MEDIAN CURB

H.D.P.E. OR SCH. 40 PVC (SEE NOTES)

ALL PROPOSED SLEEVES LOCATED BELOW ROADWAY & CURBING ARE EXISTING AND WERE INSTALLED UNDER ROADWAY PROJECT #227775-1-S2-01 OR ROADWAY PROJECT #227774-1-S2-01 (REFER TO PLAN FOR SLEEVE LOCATIONS AND SIZES)



**RAINBIRD ESP-MC-SS-PED IRRIGATION CONTROLLER WITH RAIN SENSOR**

NOT TO SCALE

RPZ, SEE DETAIL THIS SHEET

PROPOSED LANDSCAPING AREA

IRRIGATION CONTROL VALVE LOCATED WITHIN MEDIAN AND/OR EDGE OF RIGHT OF WAY SEE IRRIGATION DETAILS

IRRIGATION CONTROL VALVE LOCATED WITHIN MEDIAN AND/OR EDGE OF RIGHT OF WAY SEE IRRIGATION DETAILS

PROPOSED MEDIAN LANDSCAPING

PROPOSED MEDIAN LANDSCAPING

ROADWAY PAVEMENT

MEDIAN CURB

H.D.P.E. OR SCH. 40 PVC (SEE NOTES)

ALL PROPOSED SLEEVES LOCATED BELOW ROADWAY & CURBING ARE EXISTING AND WERE INSTALLED UNDER ROADWAY PROJECT #227775-1-S2-01 OR ROADWAY PROJECT #227774-1-S2-01 (REFER TO PLAN FOR SLEEVE LOCATIONS AND SIZES)

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

LATERAL LINE

IRRIGATION LATERAL LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

IRRIGATION MAIN LINE

NOTE: 1) POLY TUBING FITTINGS REQUIRE METAL (S.S.) INSERTS. 2) ALL PROPOSED PIPE LOCATED BELOW ROADWAY, CURBING, & SIDEWALK WILL BE HIGH DENSITY POLYETHYLENE (H.D.P.E.) TYPICAL REFER TO PLAN FOR SLEEVE LOCATIONS AND SIZES. 3) CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING PAVEMENT, CURBING, & SIDEWALK DISTURBED DURING CONSTRUCTION OF IRRIGATION SYSTEM. 4) COORDINATE WITH CITY OF HOLLYWOOD UNDERGROUND UTILITY REPRESENTATIVES FOR TAPPING OF CITY WATER MAIN AND INSTALLATION OF WATER METER.

**TYPICAL IRRIGATION SERVICE CONNECTION**

NOT TO SCALE

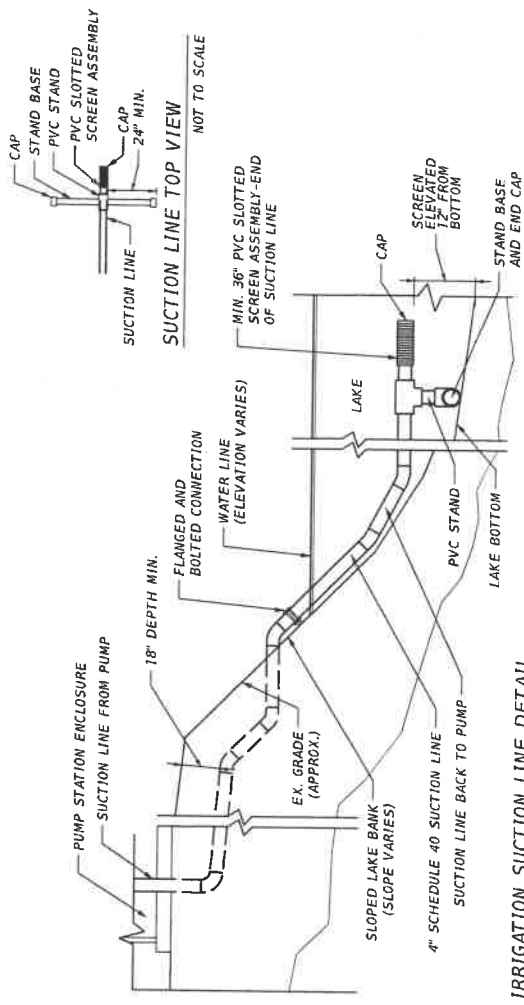
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Collier, R.L.A. #1067  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Cell: 772-4636-1537  
 Fax: 772-4636-1537  
 Cert. of Arch. LC-000239

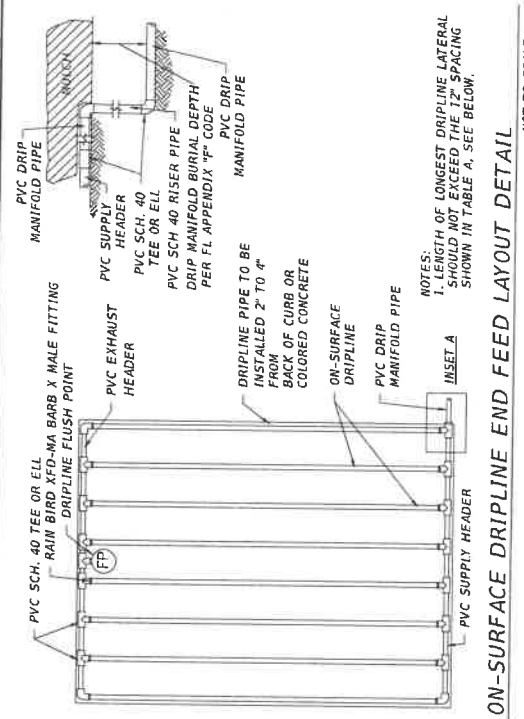
STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. SR 7  
 COUNTY BROWARD  
 FINANCIAL PROJECT ID 227775-3-52-01

SHEET NO. LD-45

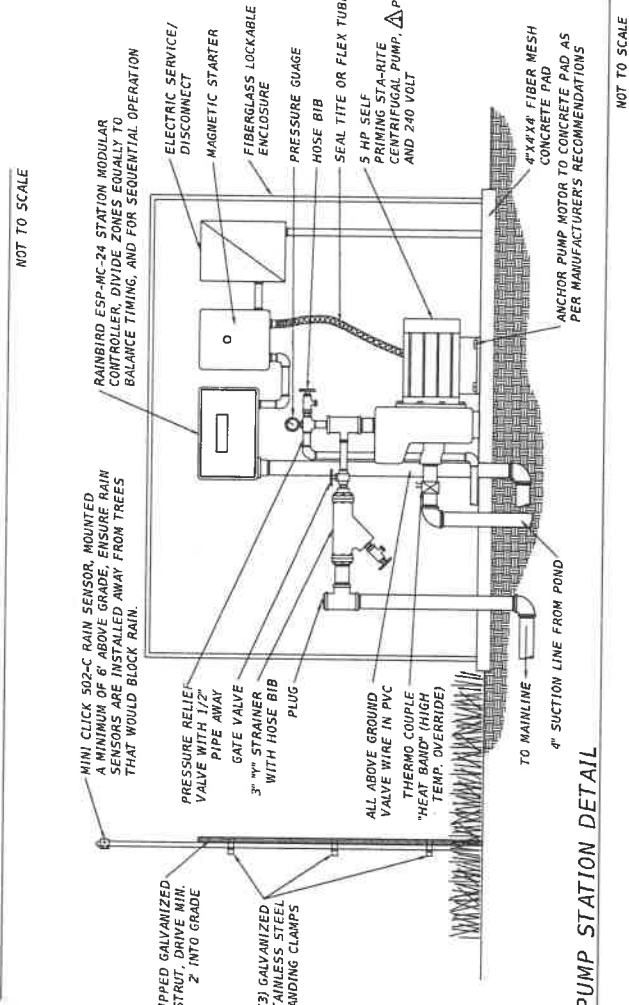
4/12/2017 1:03:48 PM F:\PROJECTS\5-2007\227775\3201 - SR 7\MAIN\4465\KONR1\LD09.dwg



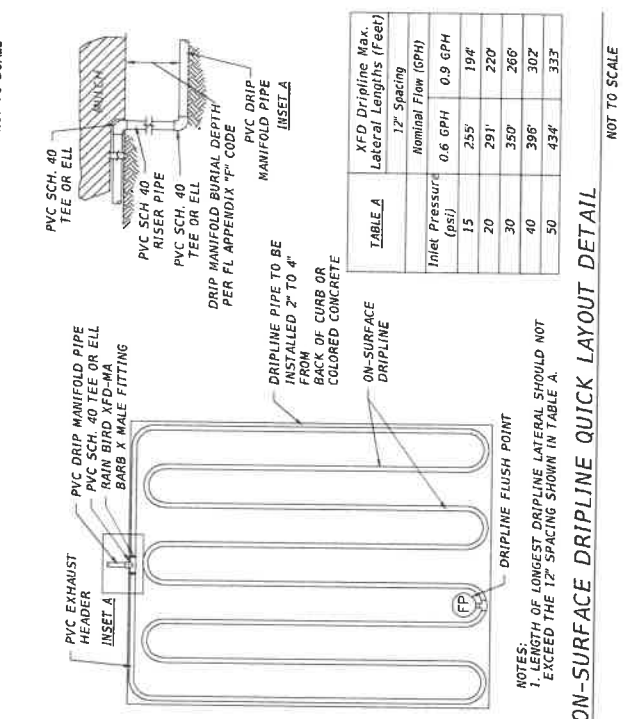
IRRIGATION SUCTION LINE DETAIL  
NOT TO SCALE



ON-SURFACE DRIPLINE END FEED LAYOUT DETAIL  
NOT TO SCALE



PUMP STATION DETAIL  
NOT TO SCALE



ON-SURFACE DRIPLINE QUICK LAYOUT DETAIL  
NOT TO SCALE

TABLE A		XFD Driplings Max. Lateral Lengths (Feet)	
		12\" Spacing	
Inlet Pressure (psi)	Nominal Flow (GPH)		
15	255	194'	
20	291	220'	
30	350	266'	
40	396	302'	
50	434	337'	

NOTES:  
1. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE 12\" SPACING SHOWN IN TABLE A.

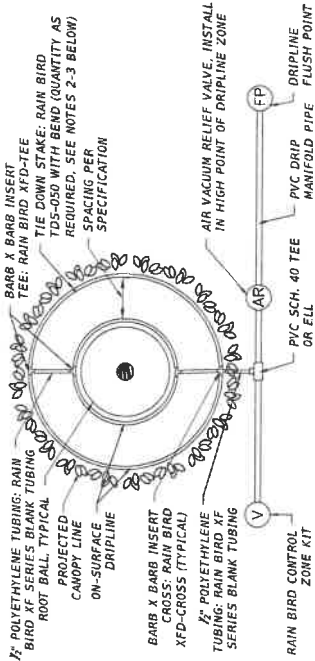
DATE	DESCRIPTION	DATE	REVISIONS

Landscap Architect of Record: Robert J. Corbett, R.L.A. #1087  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458  
 Tel: 561-746-1235 Fax: 561-746-1377  
 Cert. of Auth. LC-000225

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD NO. COUNTY FINANCIAL PROJECT ID  
 SR 7 BROWARD 227775-3-52-01

PROJECTS: FDOT\2277753301 - SR 7 ROW\10\1464\FOLDER2.dwg  
 4/12/2017 12:03:45 PM  
 SHEET NO. LD-46

IRRIGATION DETAILS



- NOTES:
1. ALL MULTIPLE RINGS AS REQUIRED TO PROVIDE IRRIGATION COVERAGE FROM ROOT BALL TO PROJECTED TREE CANOPY REFER TO NOTES 2 AND 3 FOR TIE-DOWN METHODS AND SPECIFICATIONS FOR RECOMMENDED SPACING BETWEEN RINGS.
  2. PLACE TIE DOWN STAKES EVERY THREE FEET.
  3. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

**MULTIPLE TREE ON-SURFACE DRIPLINE DETAIL**

CITY OF HOLLYWOOD, (TREES: BA, BC, BM, LJ, LS, PEA, PHM2, PR, VM3)

NOT TO SCALE

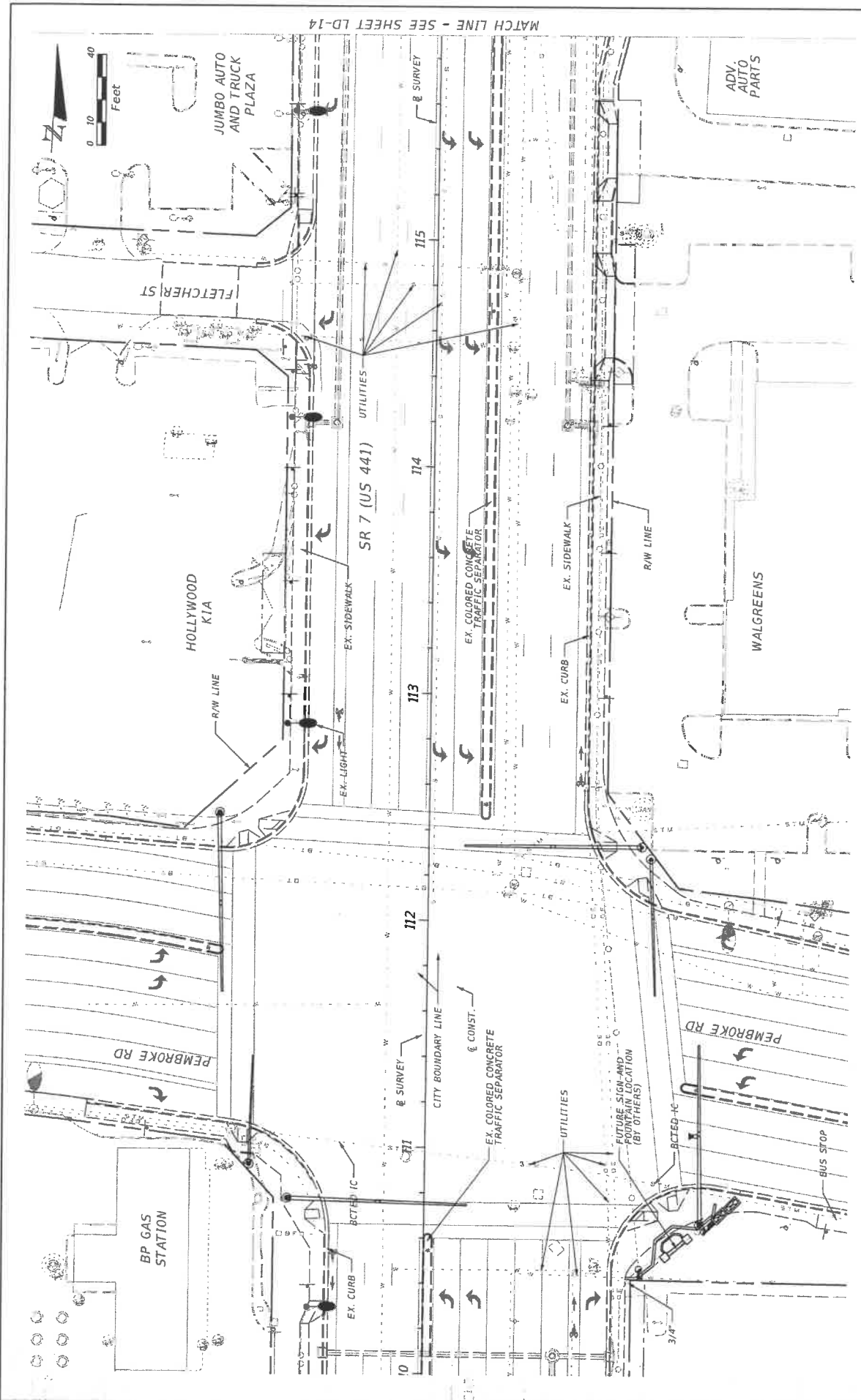
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Goffeur, R.L.A. #1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Cell: 561-744-1137 Fax: 561-744-1377 Corp. of Arch. LC-0001239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-47
---	--	--	--------------------

**IRRIGATION DETAILS**

4/12/2017 12:05:05 PM EN:\PROJECTS-000\227753261 - SR 7\BROWARD\IRRGATELLO02.dwg

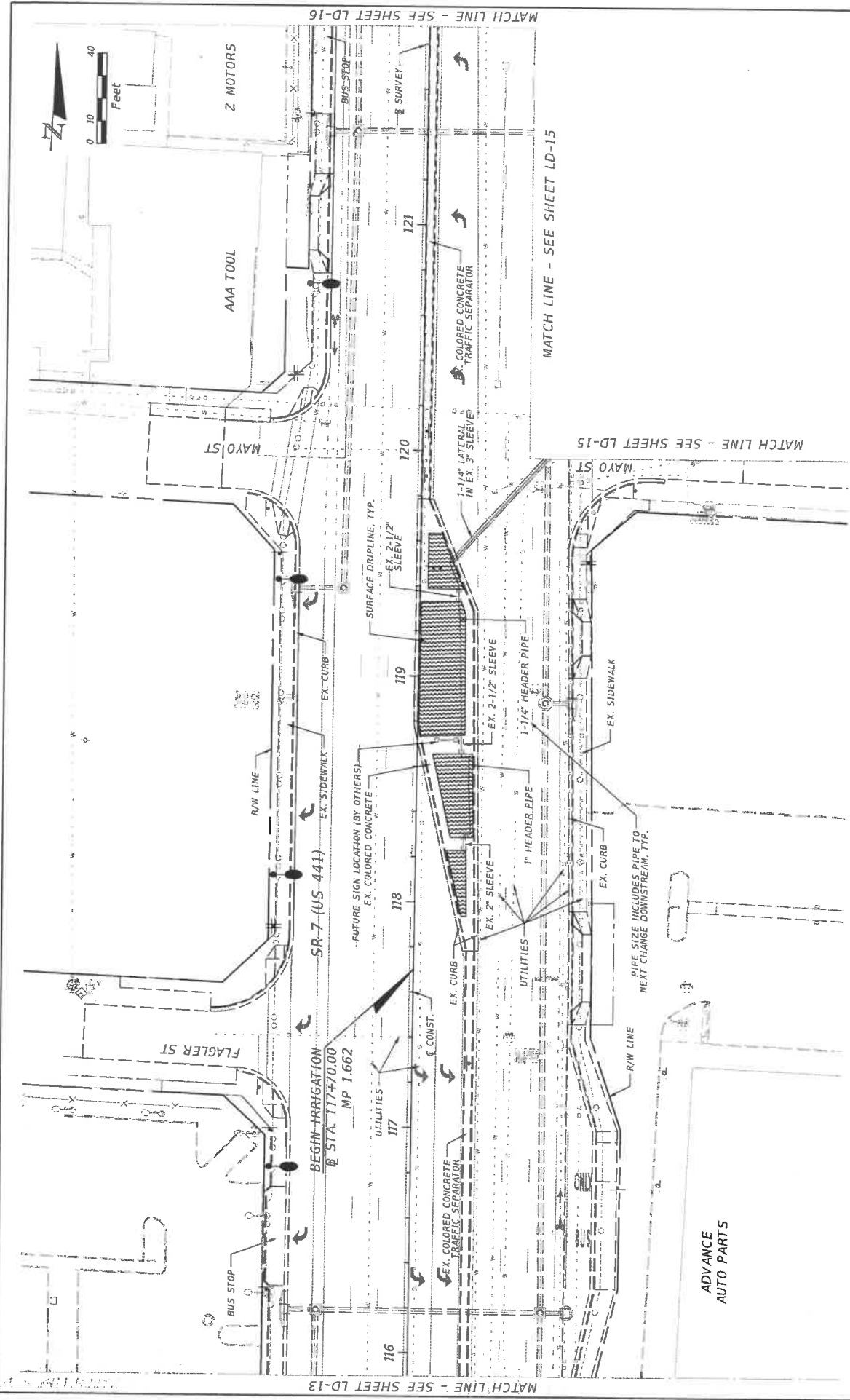


MATCH LINE - SEE SHEET LD-14

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architects Of Record: Robert J. Celler, R.L.A. #1087		STATE OF FLORIDA	
Cotleur & Hearing, Inc.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	
Jupiter, Florida 33458		7	
Tel: 772-47-6336 Fax: 772-47-1377		COUNTY	
Cdn. of Arch. LC-0088239		BROWARD	
		FINANCIAL PROJECT ID	
		227775-3-52-01	
		PROJECTS-0001-227753201 - SR 7 Interchange/Plan/04/26/09	
		4/12/2017 1:03:28 PM	
		w/rlr	
		IRRIGATION PLAN	
		SHEET NO.	
		LD-48	



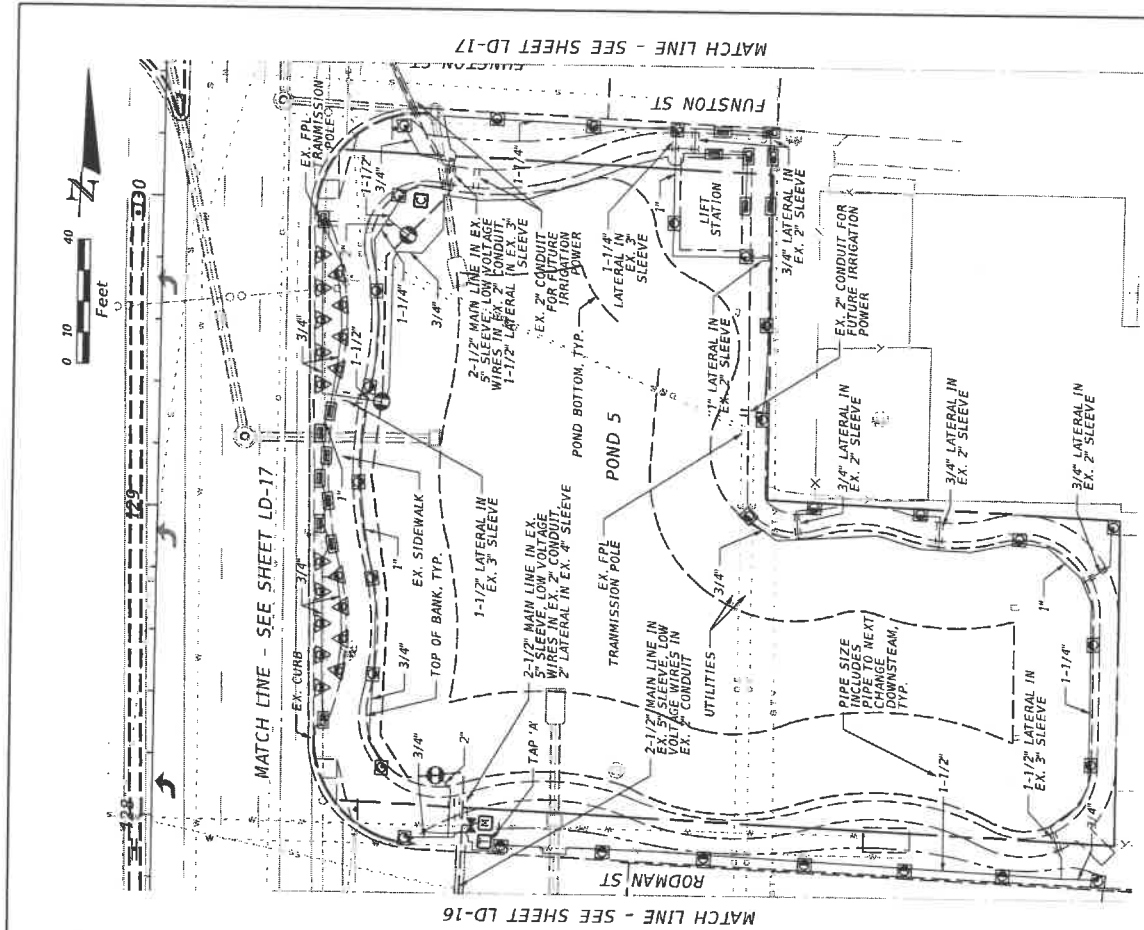
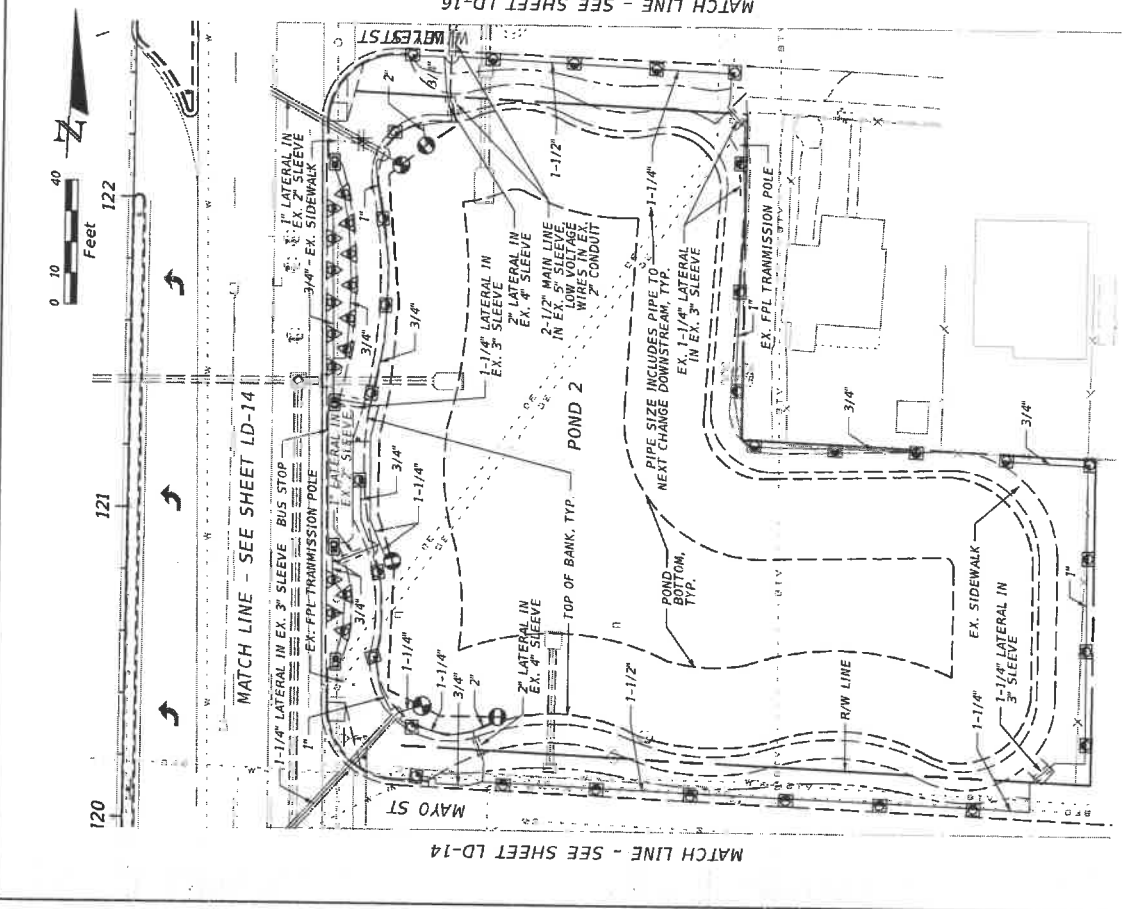
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Colthur, RLA # 1087 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Cell: 772-6256-1234 Fax: 561-47-1377 Cert. of Arch. LC-0001239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. <b>LD-49</b>
---	--	---	---------------------------

4/12/2013 12:01:49 PM F:\PROJECTS-FDOT\2277753201 - SR 7\Irrigation\Irrigation.dwg



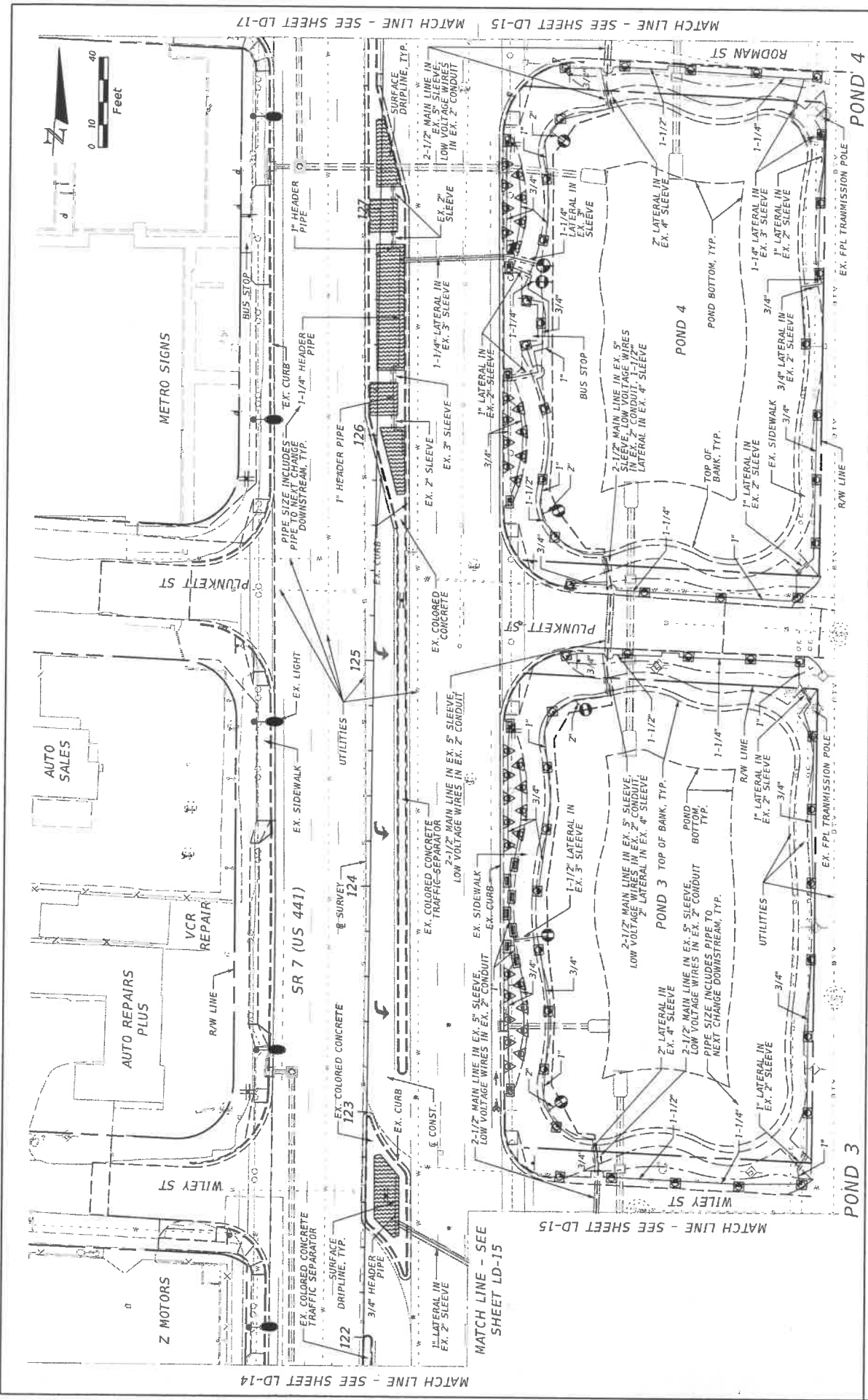


DATE	DESCRIPTION	REVISIONS	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.C. #1067 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: 561-747-1377 Cert. of Auth. LC-C000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-50 IRRIGATION PLAN POND 5 POND 2
--	--	---	--

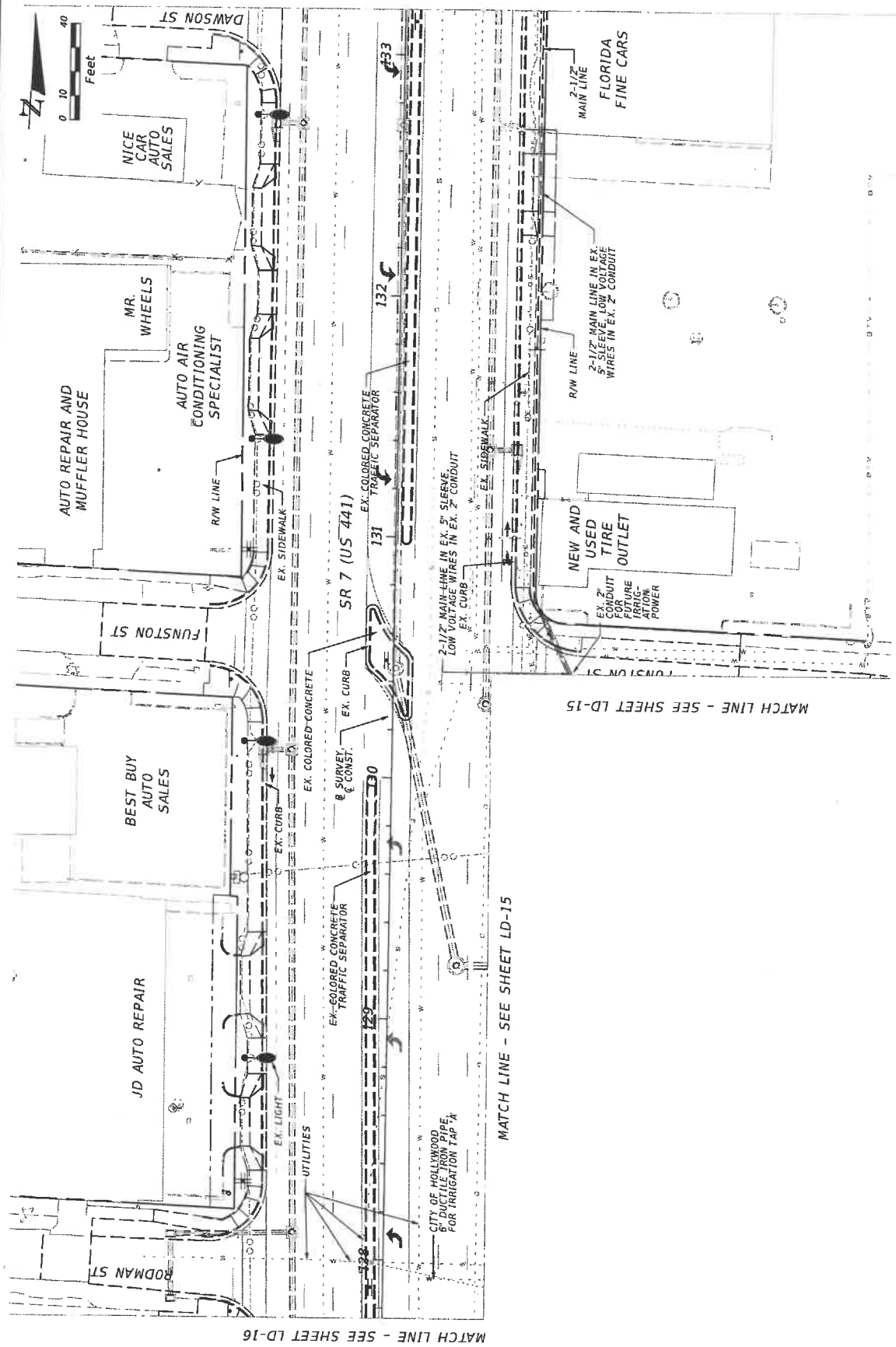
120352.PN F:\PROJECTS-F001\2277753201 - SR 7 North\A064CP\A064.DWG 4/12/2011



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT: <b>OT RECORD: Robert J. Collier, RLA # 1087</b> <b>Cottle &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-8338 Fax 561-747-1377 CORP. OF ADMIN. LC-C004839		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-51 4/12/2017 12:03:51 PM IRRIGATION PLAN
--	--	---	---



DATE	DESCRIPTION	REVISIONS	DESCRIPTION

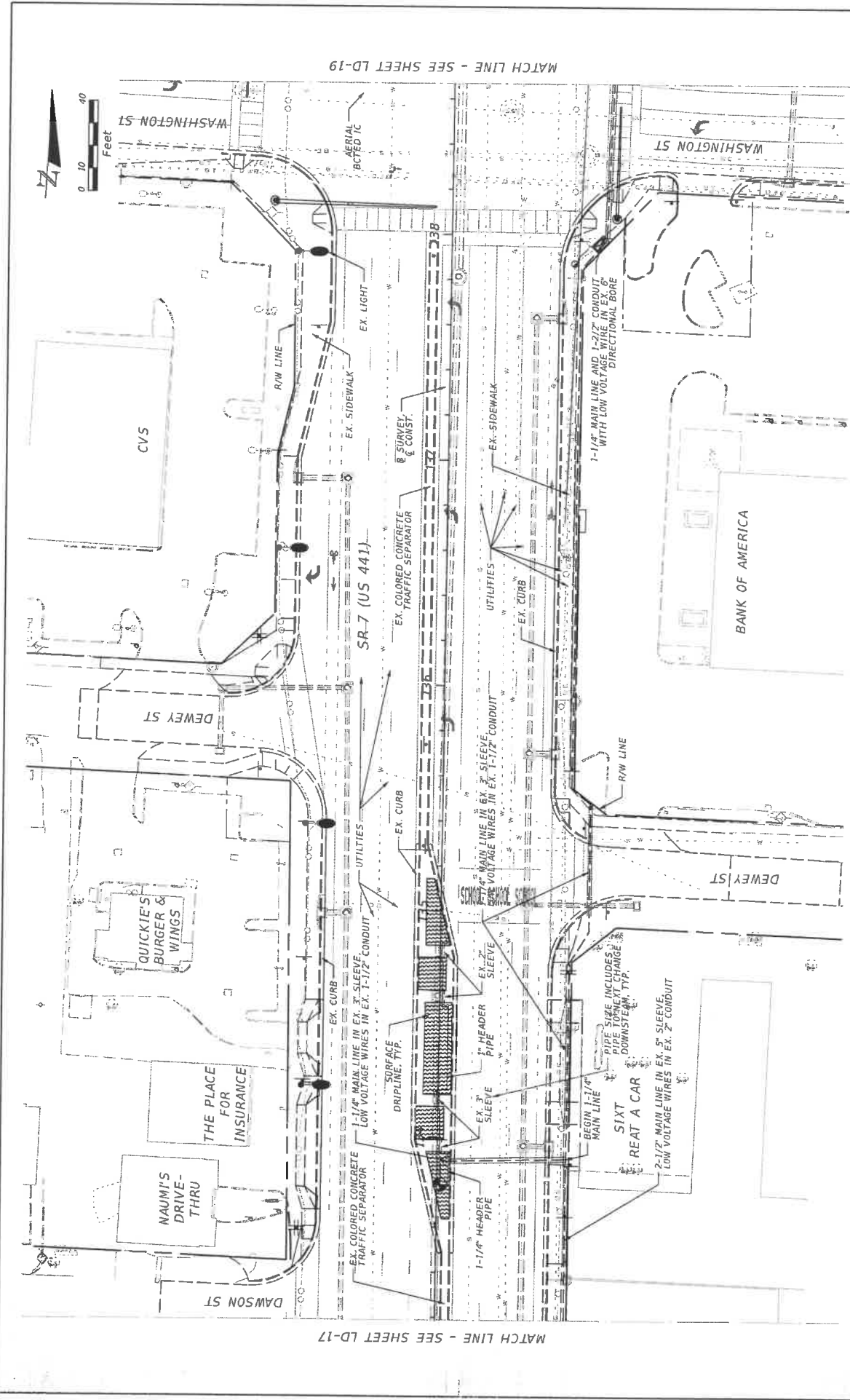
  

Landscape Architect Of Record: Robert J. Cotleur, R.L.A. #1067 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 561-747-1317 Fax: 561-747-1317 Cert. of Auth. LC-C000239		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 22775-3-52-01	
4/12/2017 12:03:55 PM F:\PROJECTS-ED01\227753301 - SR 7 NorthAmerica\Main.DWG.rvt		4/12/2017 12:03:55 PM F:\PROJECTS-ED01\227753301 - SR 7 NorthAmerica\Main.DWG.rvt	

**IRRIGATION PLAN**

SHEET NO.

LD-52



MATCH LINE - SEE SHEET LD-19

MATCH LINE - SEE SHEET LD-17

DATE	DESCRIPTION	REVISIONS	DESCRIPTION

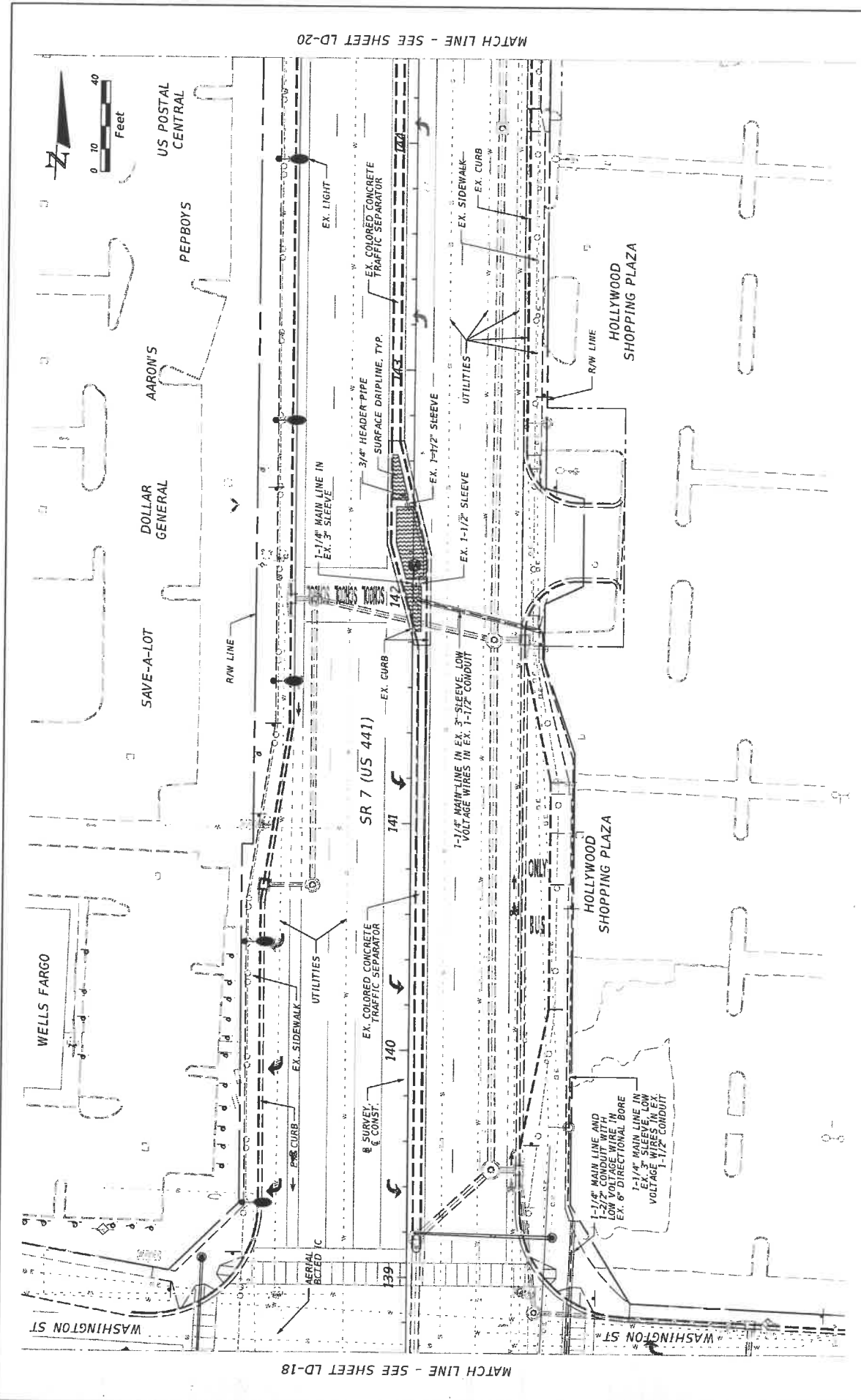
Landscape Architect: Of Record: Robert J. Collier, B.L.A. # 1087			
Cotleur & Hearing, Inc.			
1934 Commerce Lane Suite 1			
Jupiter, Florida 33459			
Tel: 772-4336747 Fax: 772-4336137			
City of Admin. LC-0000239			

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID	221775-3-52-01
ROAD NO.	COUNTY	BROWARD	7

DATE	12/12/2017	TIME	12:03:57 PM
PROJECT NO.	F:\PROJECTS-2007\2217753201 - SK 7 North\Garrett\Jan1003399		
SHEET NO.	LD-53		
<b>IRRIGATION PLAN</b>			



MATCH LINE - SEE SHEET LD-20

MATCH LINE - SEE SHEET LD-18

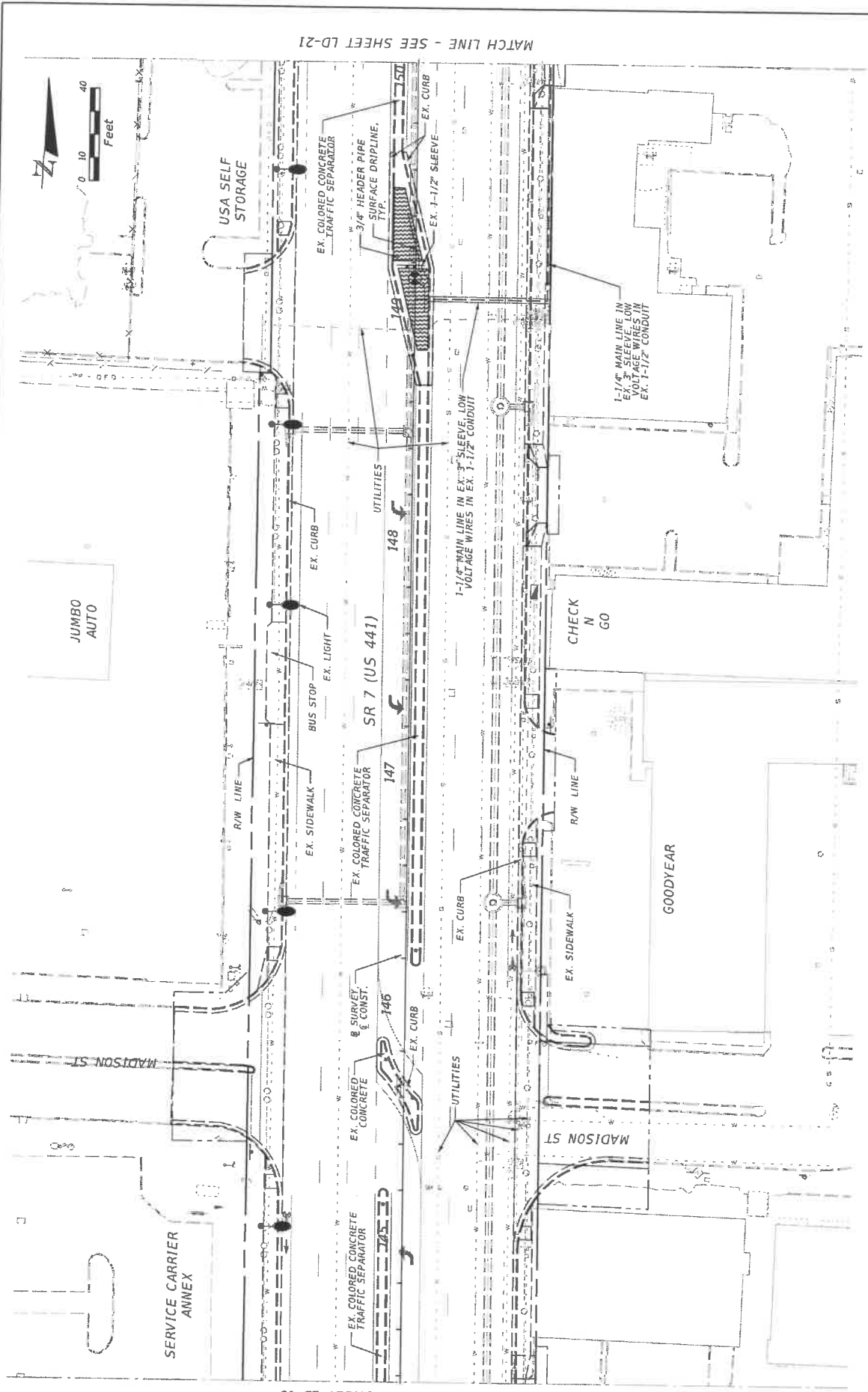


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Cotleur, RLA #1067 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33459 Phone: 561-747-1377 Cert. of Auth. LC-000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 22775-3-52-01	SHEET NO. LD-54 4/12/2017 12:03:58 PM F:\PROJECTS\1001\22775\2201 - SR 7 North\vaadec\plan\ld54.dwg
--	--	--	---

**IRRIGATION PLAN**



MATCH LINE - SEE SHEET LD-19

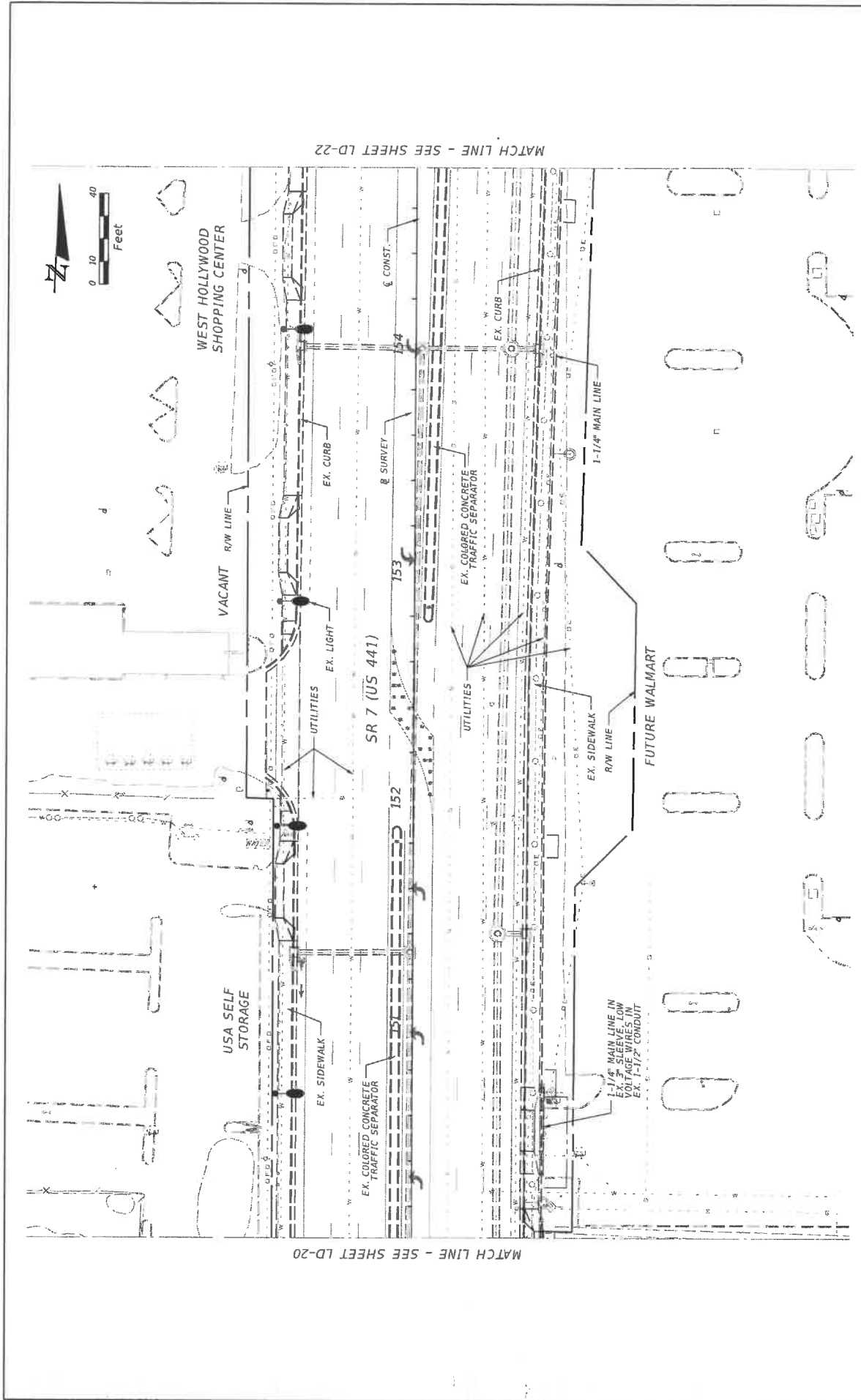
MATCH LINE - SEE SHEET LD-21

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Collier, R.L.A. #1087 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane, Suite 1 Jupiter, Florida 33458 Phone: (561) 741-1377 Cell: (407) 6009239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-55 4/17/2017 12:05:59 PM EN:PROJECTS\LD01\2277753201 - SR 7\0410\NARR\CP\MJD\05.dwg
---	--	---	---

**IRRIGATION PLAN**



MATCH LINE - SEE SHEET LD-20

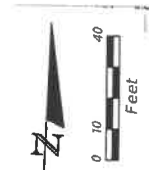
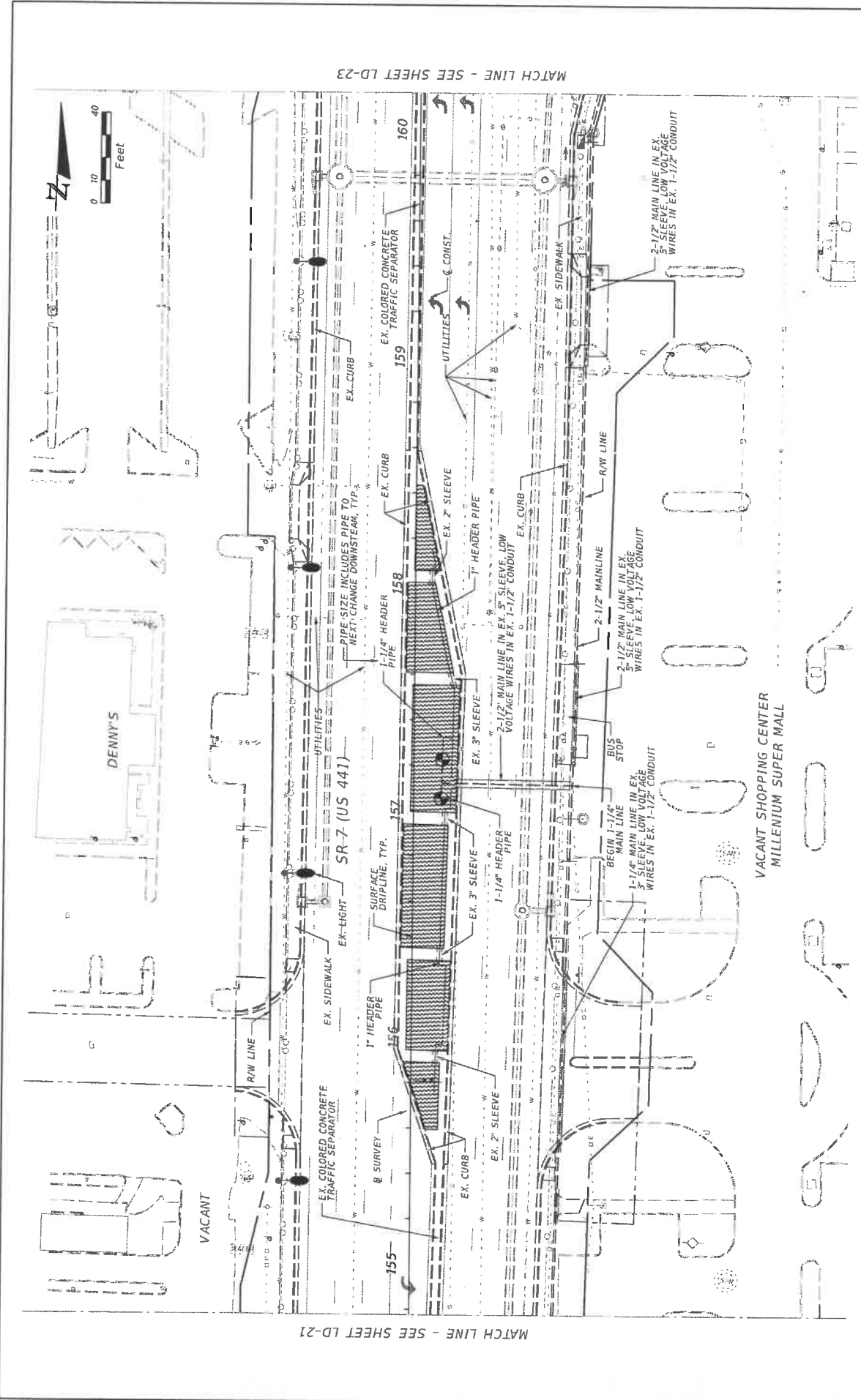
MATCH LINE - SEE SHEET LD-22

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect Of Record: Robert J. Colthur, RLA #1087 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane, Suite 1 Jupiter, Florida 33458 561-747-6336 Fax: 561-747-1377 Cert. of Arch. LC-C009259		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-56 4/12/2017 12:04:01 PM F:\PROJECTS-E001\2277753201 - SR 7 NORTH\DWG\PLAN\LD56.dwg
---	--	---	---

**IRRIGATION PLAN**



MATCH LINE - SEE SHEET LD-21

MATCH LINE - SEE SHEET LD-23

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

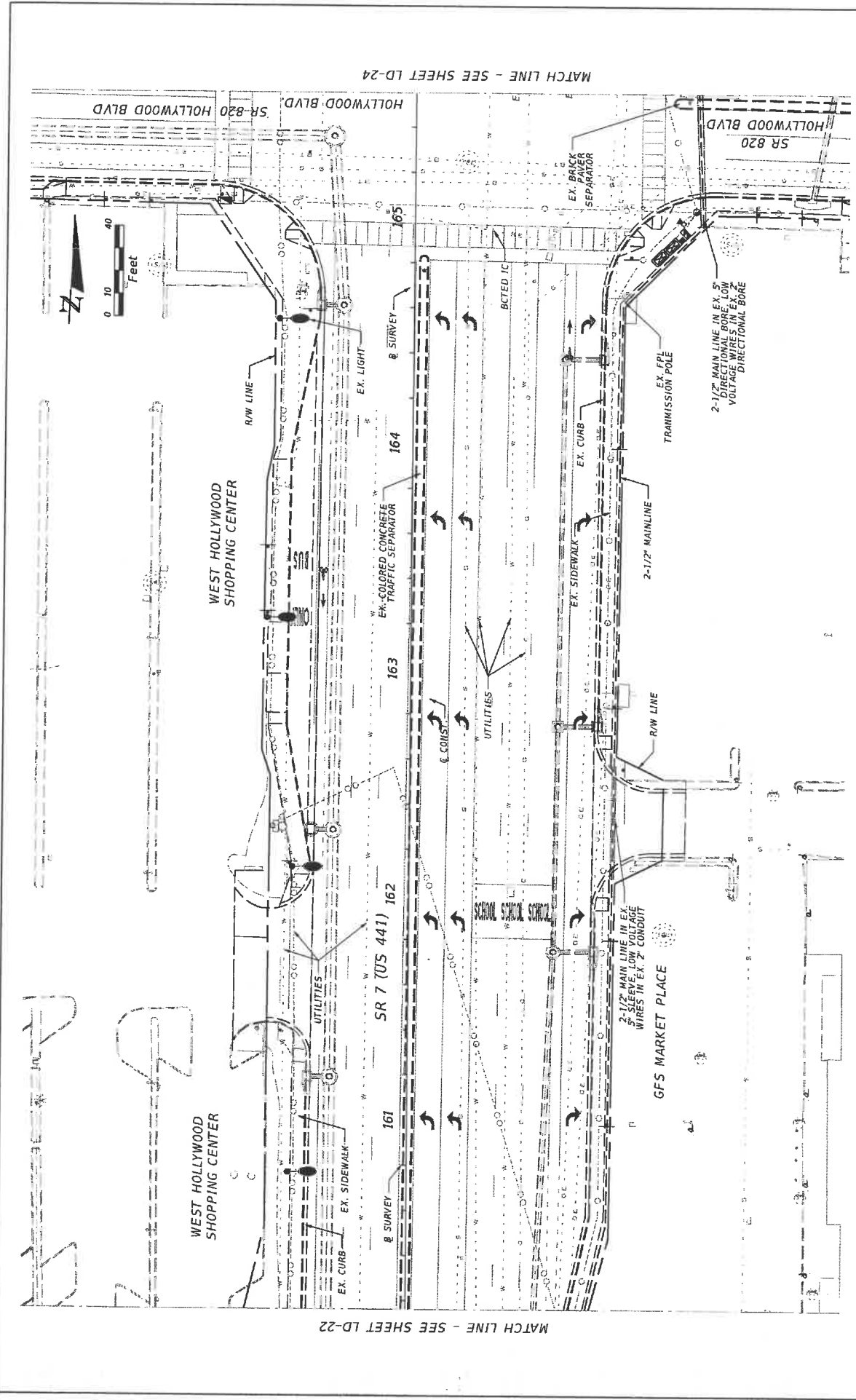
  

Landscape Architect Of Record: Robert J. Collier, R.L.A. # 1067 <b>Cotleur &amp; Hearing, Inc.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 Corp. of Arch. LC-0086259		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-57
---	--	---	--------------------

**IRRIGATION PLAN**

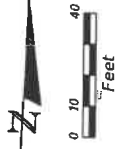
12.04.02 PH F:\PROJECTS-1001\227753201 - SR 7 North\ERCA\IRRDIST.dwg





MATCH LINE - SEE SHEET LD-22

MATCH LINE - SEE SHEET LD-24



REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION

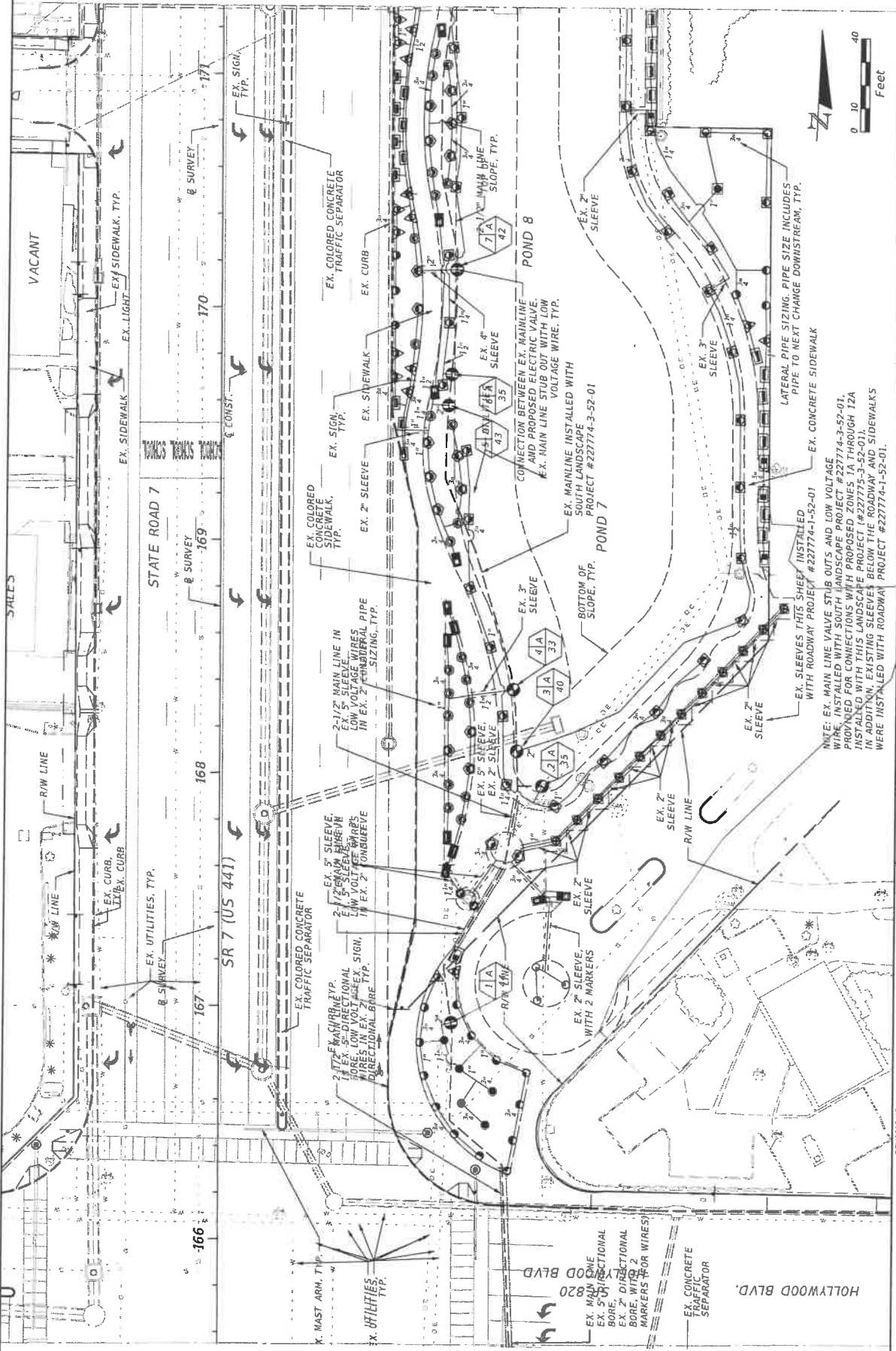
Landscape Architect Of Record: Robert J. Cotleur, RLA # 1007		STATE OF FLORIDA	
Cotleur & Hearing, Inc.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	
Jupiter, Florida 33456		7	
Tel: 561-744-1377		COUNTY	
Cert. of Auth. LC-000329		BROWARD	
		FINANCIAL PROJECT ID	
		227775-3-52-01	

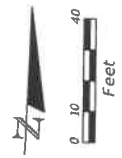
IRRIGATION PLAN		SHEET NO.
		LD-58

6/17/2017 12:04:07 PM F:\PROJECTS\2007\2277753\301 - SR 7 North\Drawings\Plan\LD58.dwg

MATCH LINE - SEE SHEET LD-25



MATCH LINE - SEE SHEET LD-23



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

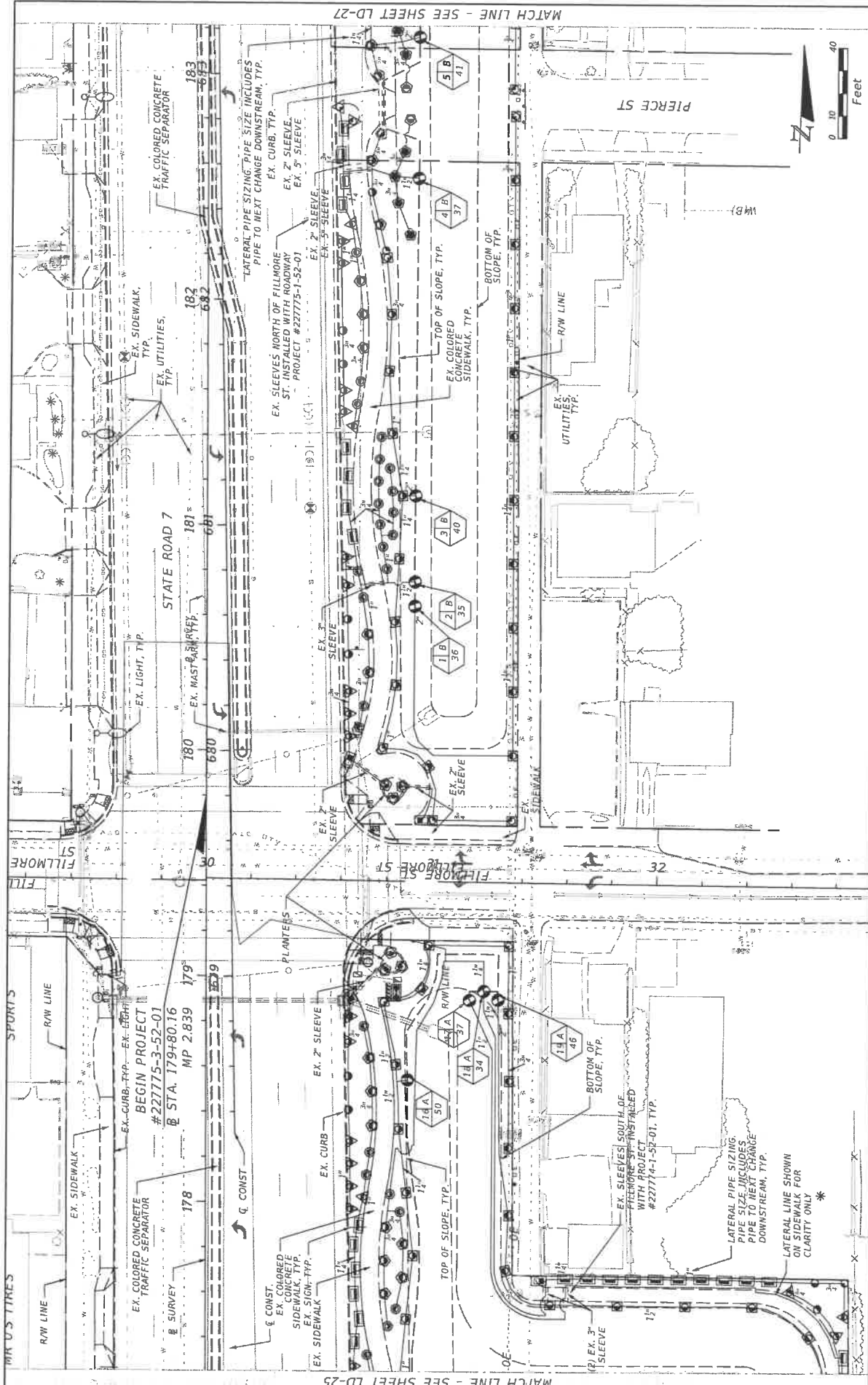
  

Landscape Architect of Record: Robert J. Collier, R.L.A. #1067 COLIER & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-745-5336 Fax 561-947-1377 Cert. of Agr. EC-C0004239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-59 4/12/2017 12:04:07 PM F:\PROJECTS\1200\2277753201 - SR 7 NorthVadco\Drawings\LD59.dwg
--	--	--	---

**IRRIGATION PLAN**



MATCH LINE - SEE SHEET LD-27



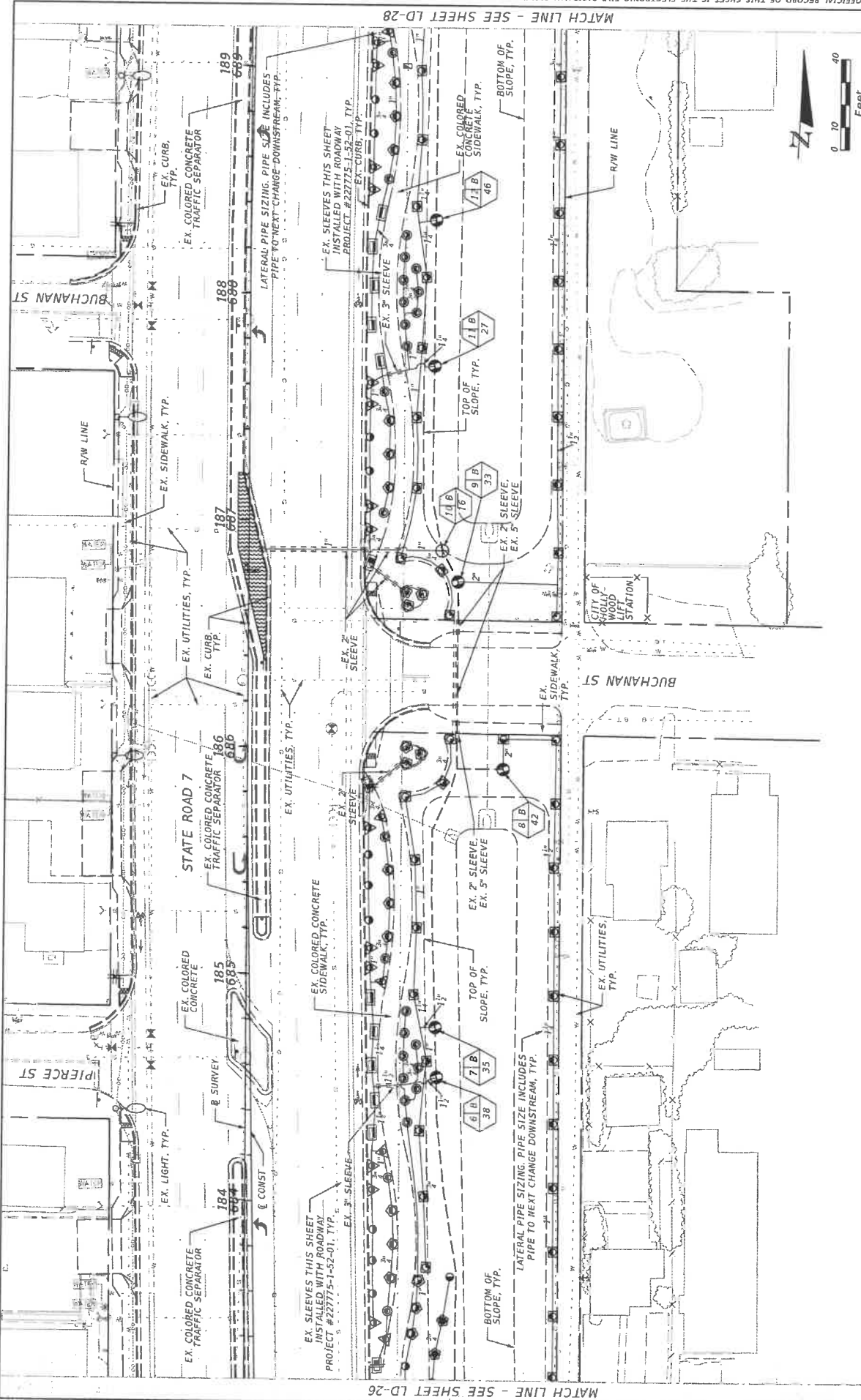
MATCH LINE - SEE SHEET LD-25

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

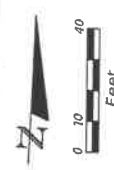
  

Landscape Architect of Record: Robert J. Collier, R.L.A. #1097 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: (561) 744-1377 Cell: (408) 660-0029		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-61
--	--	--	-----------------

MATCH LINE - SEE SHEET LD-28



MATCH LINE - SEE SHEET LD-26



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

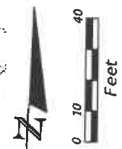
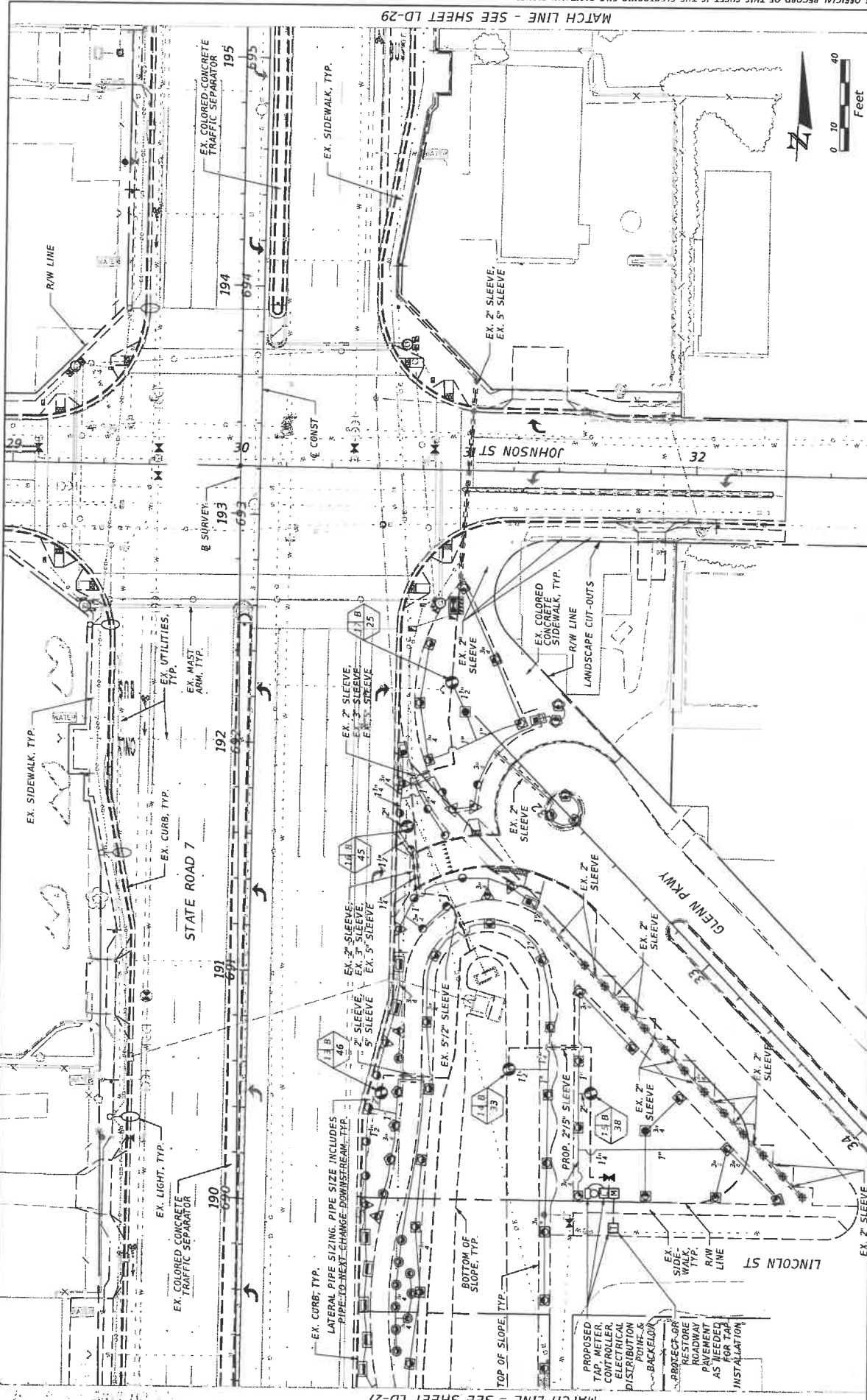
Landscape Architect Of Record: Robert J. Collier, R.I.A. # 1067		STATES OF FLORIDA	
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	FINANCIAL PROJECT ID
Jupiter, Florida 33458		SR 7	227775-3-52-01
561-747-6536 Fax: 561-747-1377		COUNTY	BROWARD
CITY OF AUSTIN, LC-C000239		PROJECT NO.	227775-3-52-01

SHEET NO.	LD-62
-----------	-------

4/17/2017 12:08:12 PM P:\PROJECTS-4007\227753\201 - SR 7 RecordSheet\plan\062.dgn

MATCH LINE - SEE SHEET LD-29



MATCH LINE - SEE SHEET LD-27

DATE	DESCRIPTION	REVISIONS	SCALE	DESCRIPTION

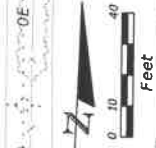
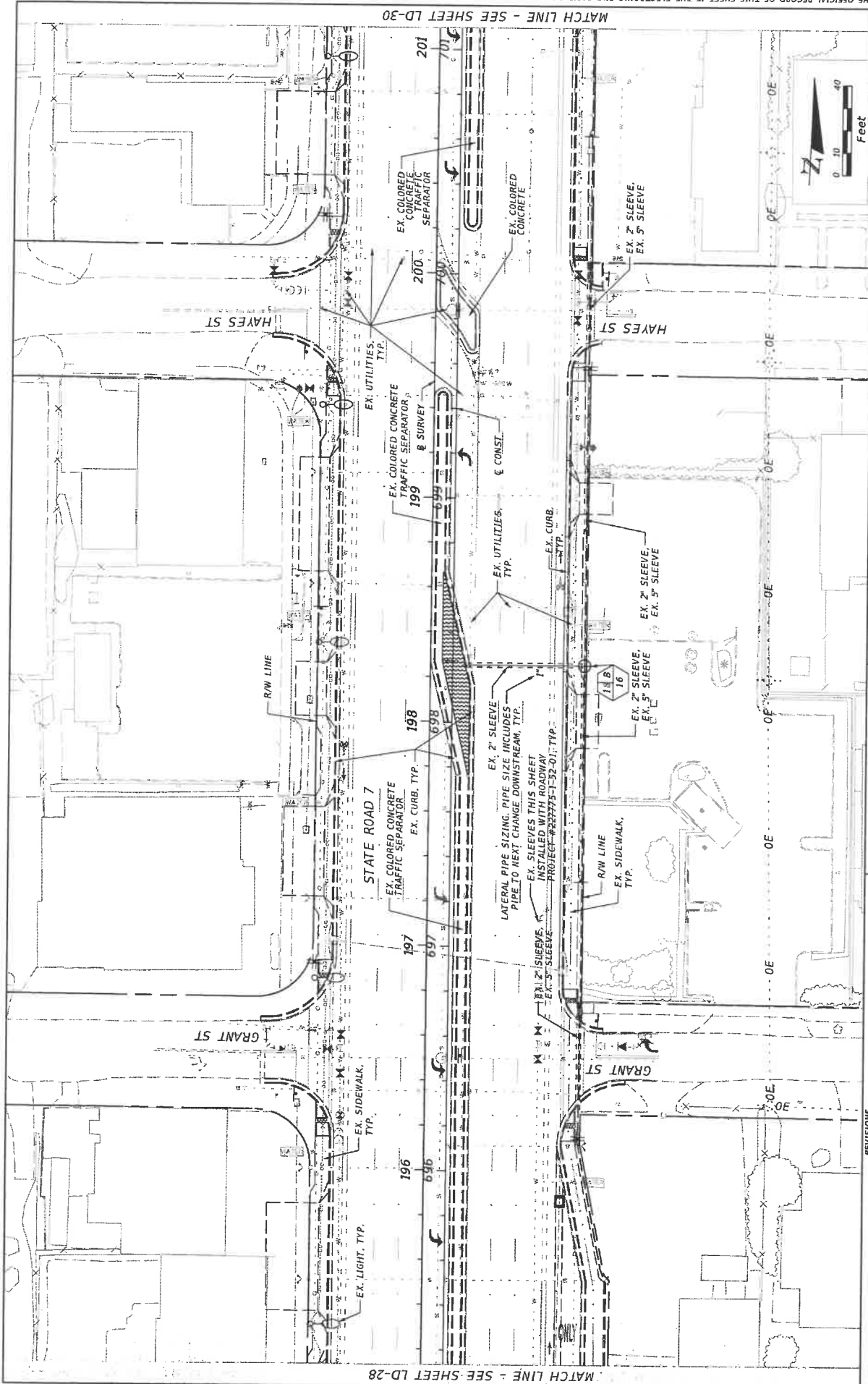
  

Landscape Architect Of Record: Robert J. Collier, RLA # 1067 COLLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-5336 Fax 561-747-1377 Corp. of Arch. LC-0009239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-63
ROAD NO. SR 7	COUNTY BROWARD	FINANCIAL PROJECT ID 227775-3-52-01	IRRIGATION PLAN

4/17/2017 12:06:14 PM F:\PROJECTS\2007\2277753201 - SR 7 North\DWG\CP\IRRI05.dwg

MATCH LINE - SEE SHEET LD-30

MATCH LINE - SEE SHEET LD-28



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

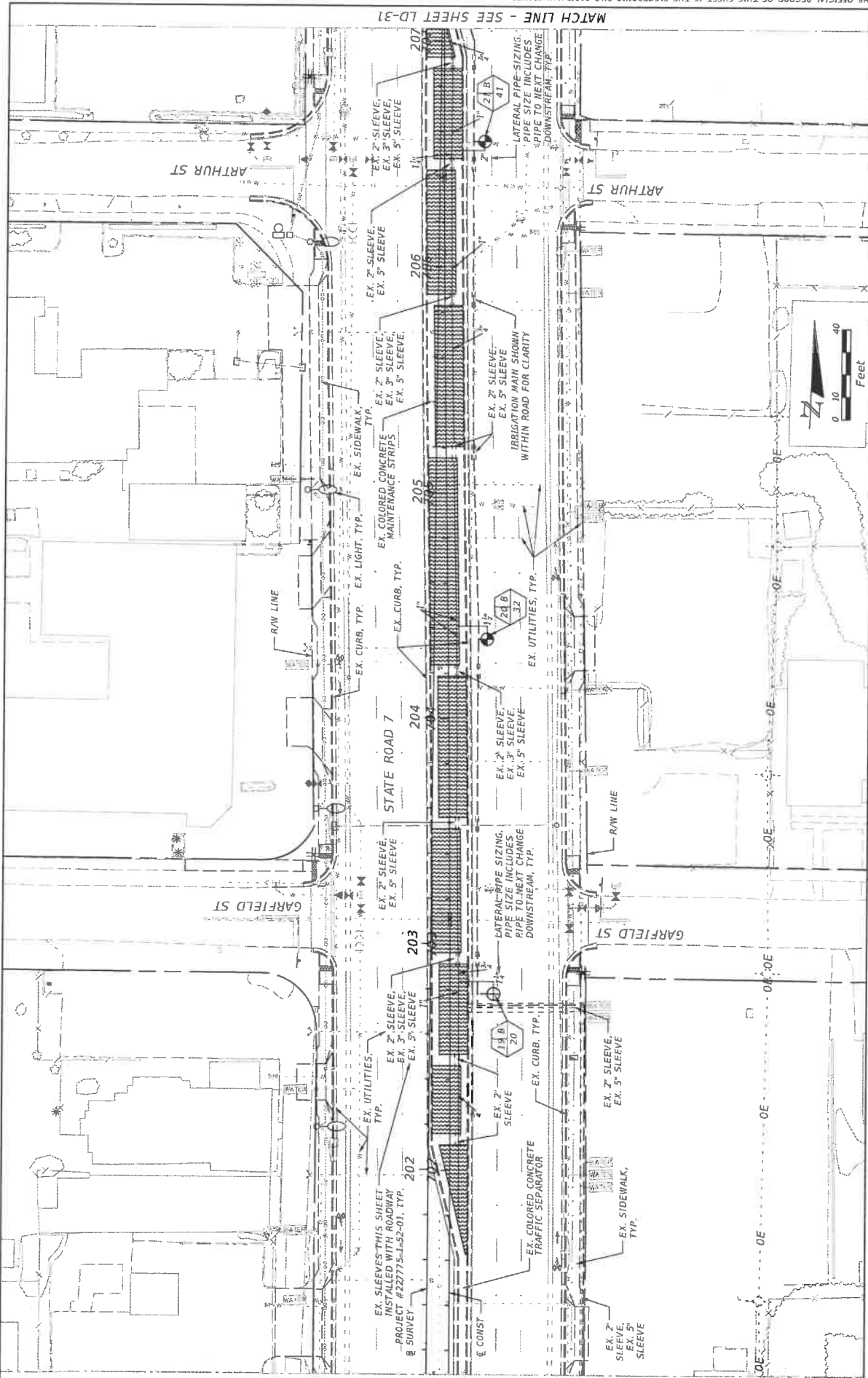
Landscape Architect of Record: Robert J. Cotleur, R.A. #1087 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: 561-741-1177 Cert. of Auth. LC-000329		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-64
--	--	--	-----------------

IRRIGATION PLAN

4/17/2017 12:45:15 PM F:\PROJECTS\227775\3-52-01\227775-3-52-01\227775-3-52-01\IRRIPLAN.dwg

ewibur

MATCH LINE - SEE SHEET LD-31



MATCH LINE - SEE SHEET LD-29

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

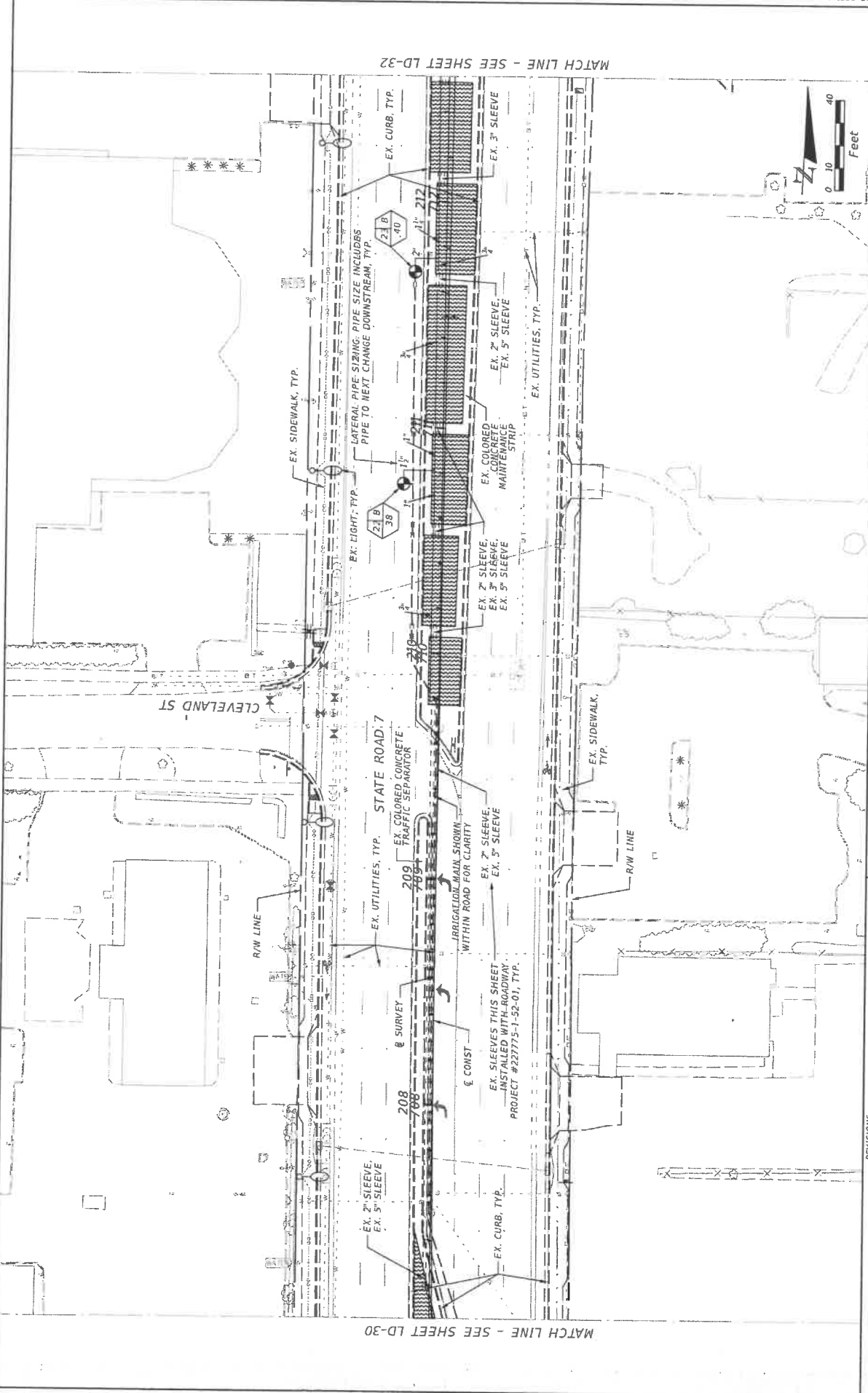
  

Landscape Architect Of Record: Robert J. Collins, R.A. #1087		STATE OF FLORIDA	
COTLEUR & HEARING, INC.		DEPARTMENT OF TRANSPORTATION	
1934 Commerce Lane Suite 1		ROAD NO.	
Jupiter, Florida 33458		SR 7	
Tel: 561-747-6336 Fax: 561-747-1377		COUNTY	
Cdn. of Arch. LC-080229		BROWARD	
		FINANCIAL PROJECT ID	
		227775-3-52-01	

SHEET NO.	LD-65
<b>IRRIGATION PLAN</b>	
4/12/2017 12:04:16 PM F:\PROJECTS\FDOT\227753201 - SR 7 ROW\NAMESCA\Plan\052.dwg	





MATCH LINE - SEE SHEET LD-30

MATCH LINE - SEE SHEET LD-32



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

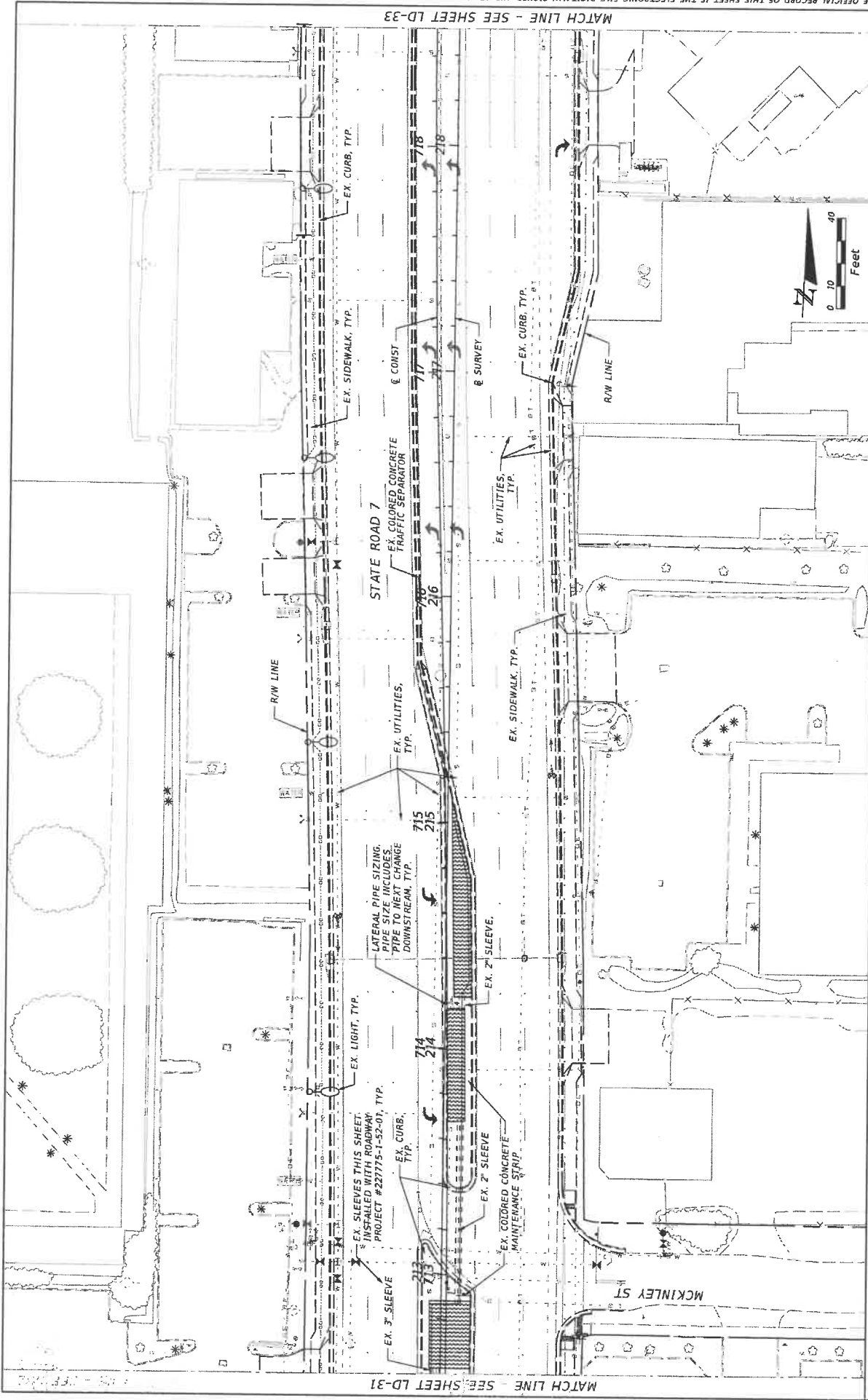
  

Landscape Architect of Record: Robert J. Corleau, R.L.A. #1987 <b>COTLEAU &amp; HEARING, INC.</b> 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: (561) 741-1371 Cell: (407) 600-2239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 7	BROWARD	227775-3-52-01

4/12/2017 12:00:17 PM PROJECTS\DOT\2277753201 - SR 7\DOT\ANS\CP\PLAN\LD65.dwg	SHEET NO. <b>LD-66</b>
---	---------------------------

MATCH LINE - SEE SHEET LD-33



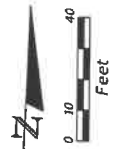
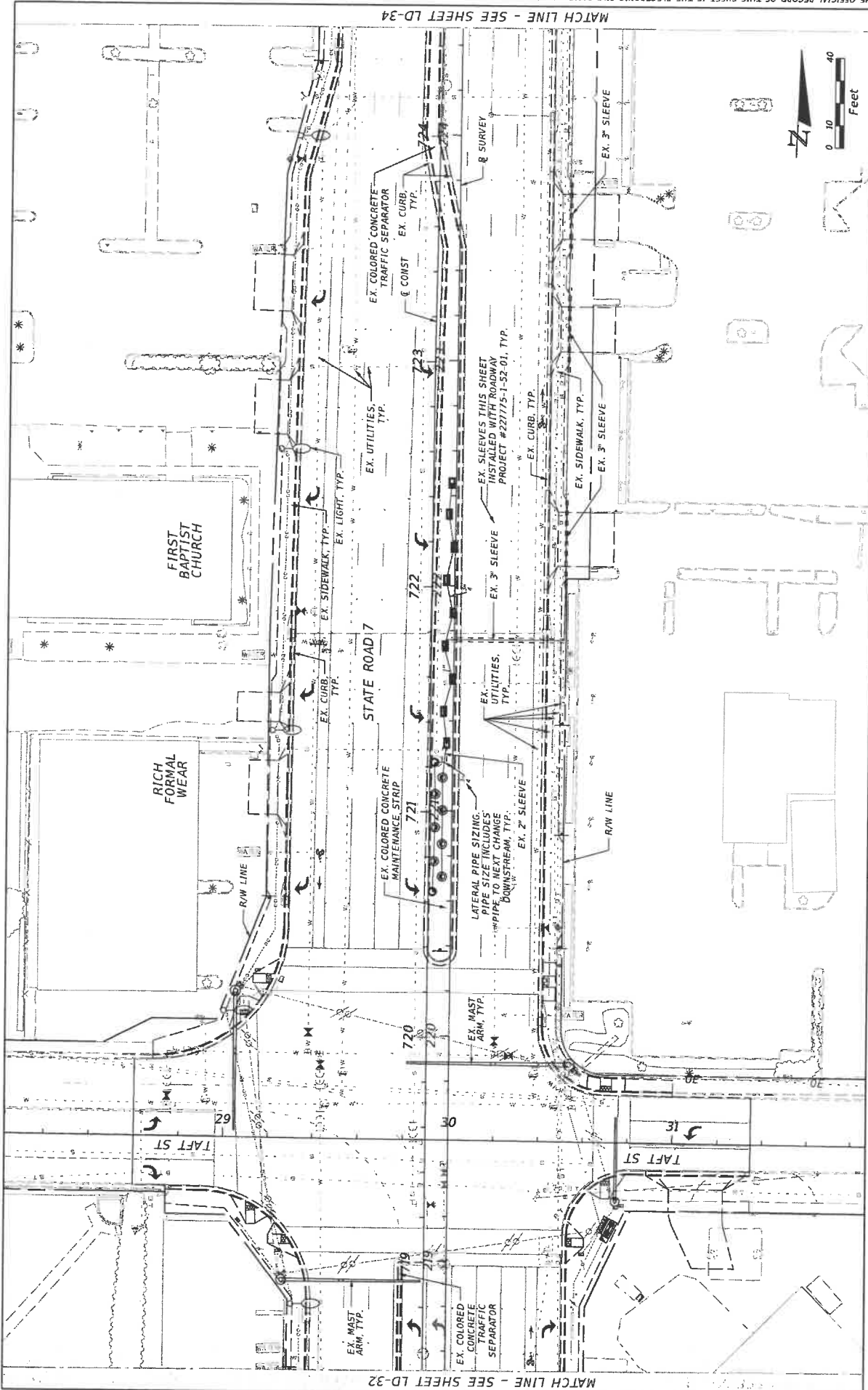
MATCH LINE - SEE SHEET LD-31

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, RLA #1107 <b>COTLEUR &amp; HEARING, INC.</b> 1934 Commerce Lane Suite 1 Ft. Lauderdale, FL 33309 954-577-4338 Cert. of Auth. LC-C000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-67
--	--	--	-----------------

MATCH LINE - SEE SHEET LD-34



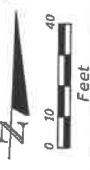
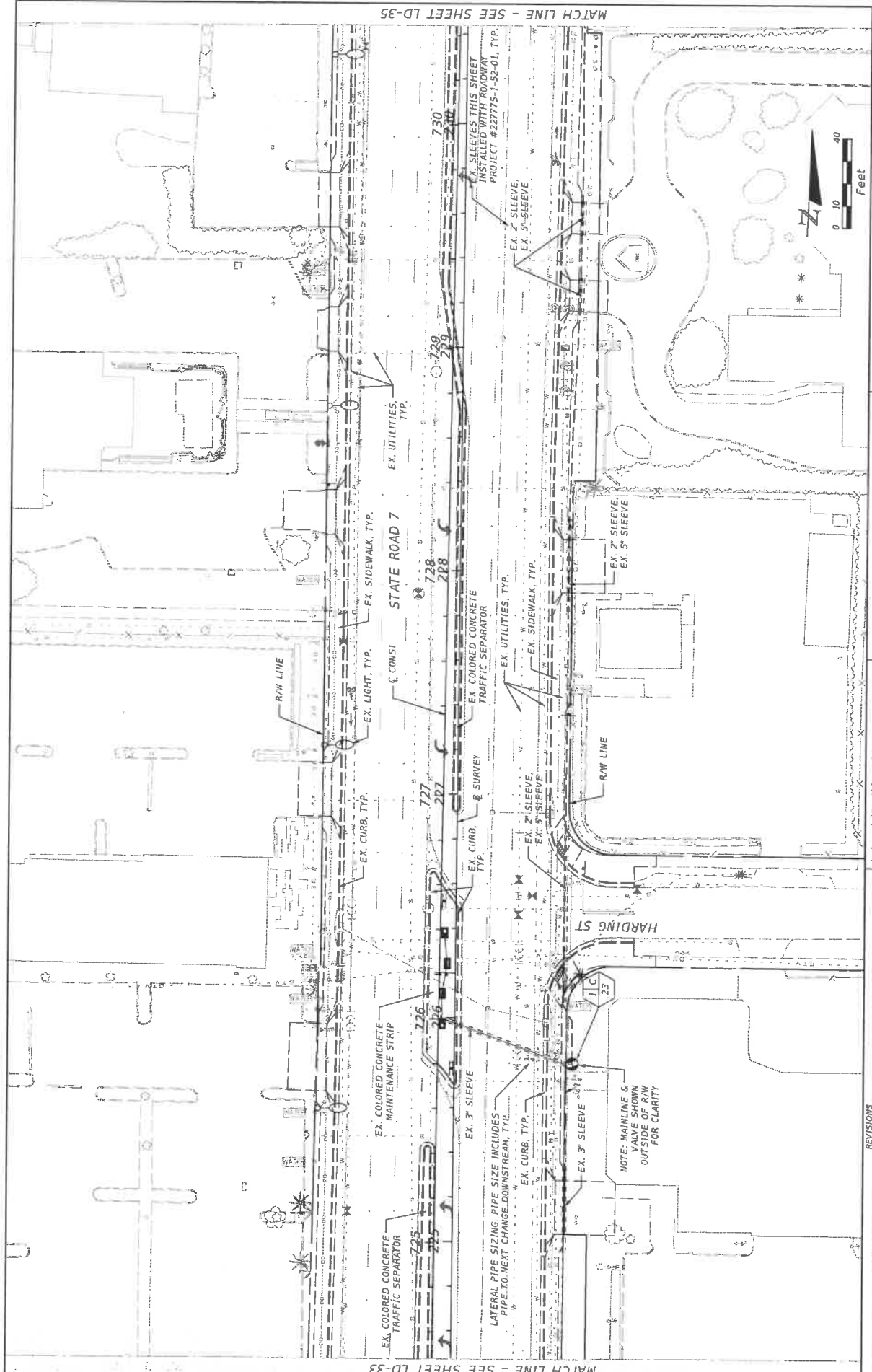
MATCH LINE - SEE SHEET LD-32

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION
Landscape Architect Of Record: Robert J. Collier, P.L.A. #1067 COLLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-747-6336 Fax 561-747-1377 Corp. of Arch. LC-0009259				
ROAD NO. SR 7		COUNTY BROWARD		FINANCIAL PROJECT ID 227775-3-52-01
<b>IRRIGATION PLAN</b>				
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				SHEET NO. LD-68

4/12/2017 12:04:19 PM F:\PROJECTS-1\001\2277753201 - SR 7\Irrigation\Irrigation.dwg

MATCH LINE - SEE SHEET LD-33

MATCH LINE - SEE SHEET LD-35

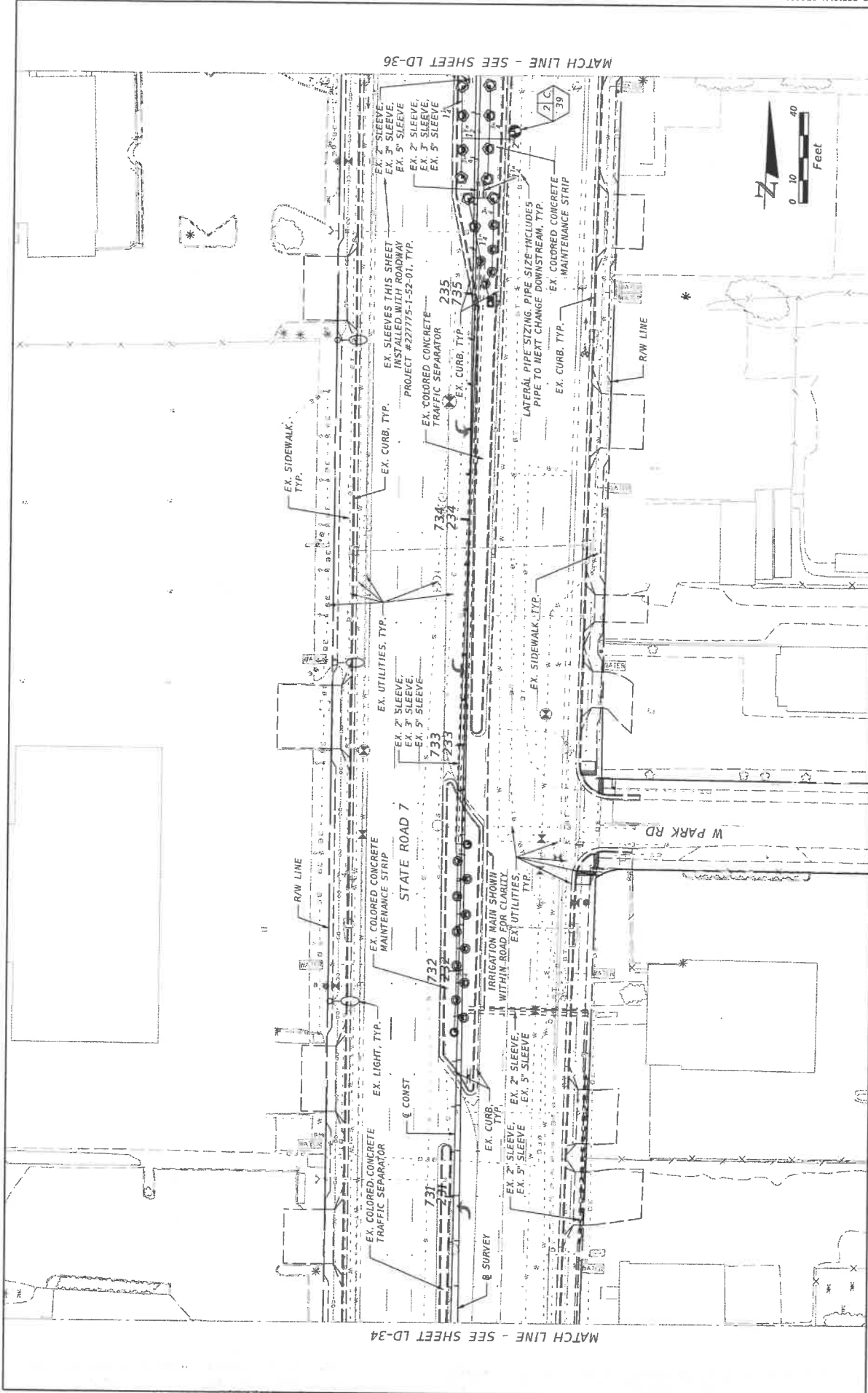


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: Robert J. Cotleur, R.L.A. #1067 COTLEUR & HEARING, INC. 1934 Commerce Lane, Suite 1 Jupiter, Florida 33458 561-749-0336 Fax: 561-749-1377 Cert. of Arch. LC-500225		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-69 4/12/2017 12:06:20 PM E:\PROJECTS\FDOT\2277533201 - SR 7 North\mxd\IrrigPlan1.dwg
--	--	--	--

**IRRIGATION PLAN**



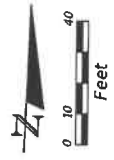
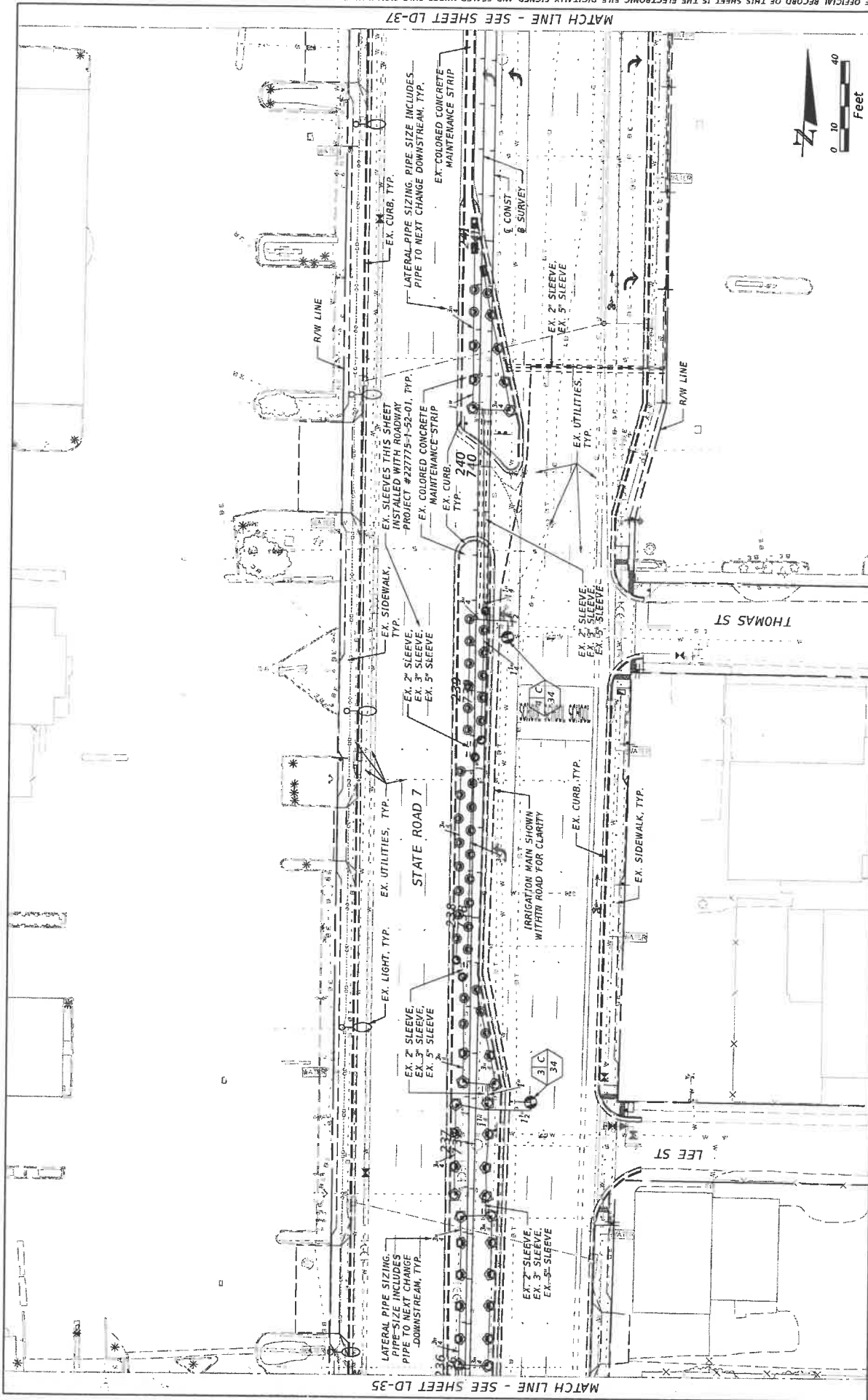
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, R.L.A. #1067		STATE OF FLORIDA		SHEET NO. LD-70
COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 561-742-1377 Cert. of Auth. LC-C000239		DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
SR 7	BROWARD	227775-3-52-01		

4/17/2017 12:04:32 PM F:\PROJECTS\F001\2277753301 - SR 7 ROW\LANDSCAPE\LAND70.DWG

MATCH LINE - SEE SHEET LD-37

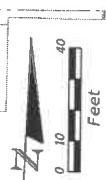
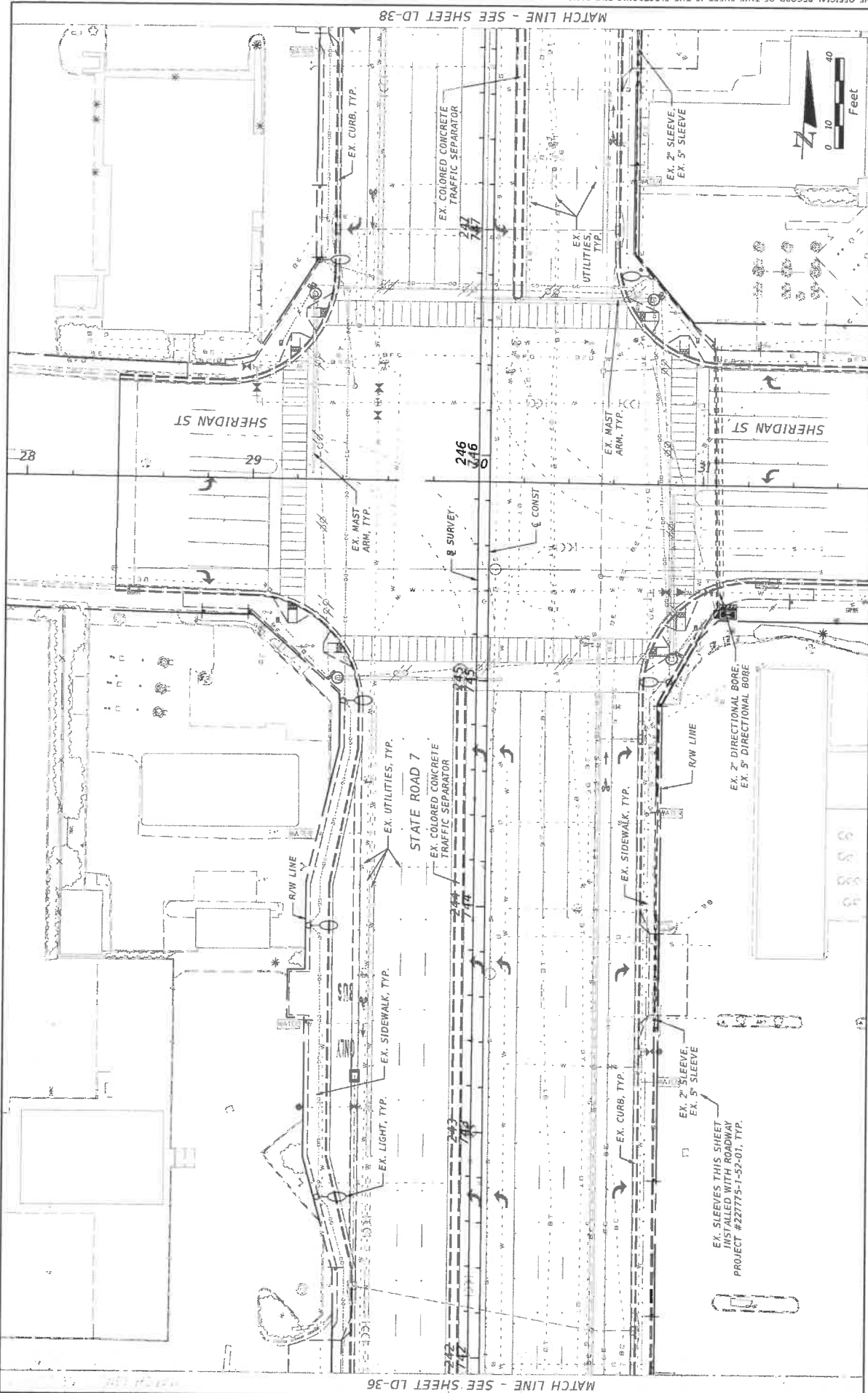


DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, RLA #107 COLLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Phone: (561) 743-1377 Cert. of Auth. LC-C000239		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 22775-3-52-07	SHEET NO. LD-71 6/12/2017 12:04:23 PM F:\PROJECTS\F007\2277533201 - SR 7 Match\Drawings\plan\LD71.dwg
---	--	---	---

MATCH LINE - SEE SHEET LD-35



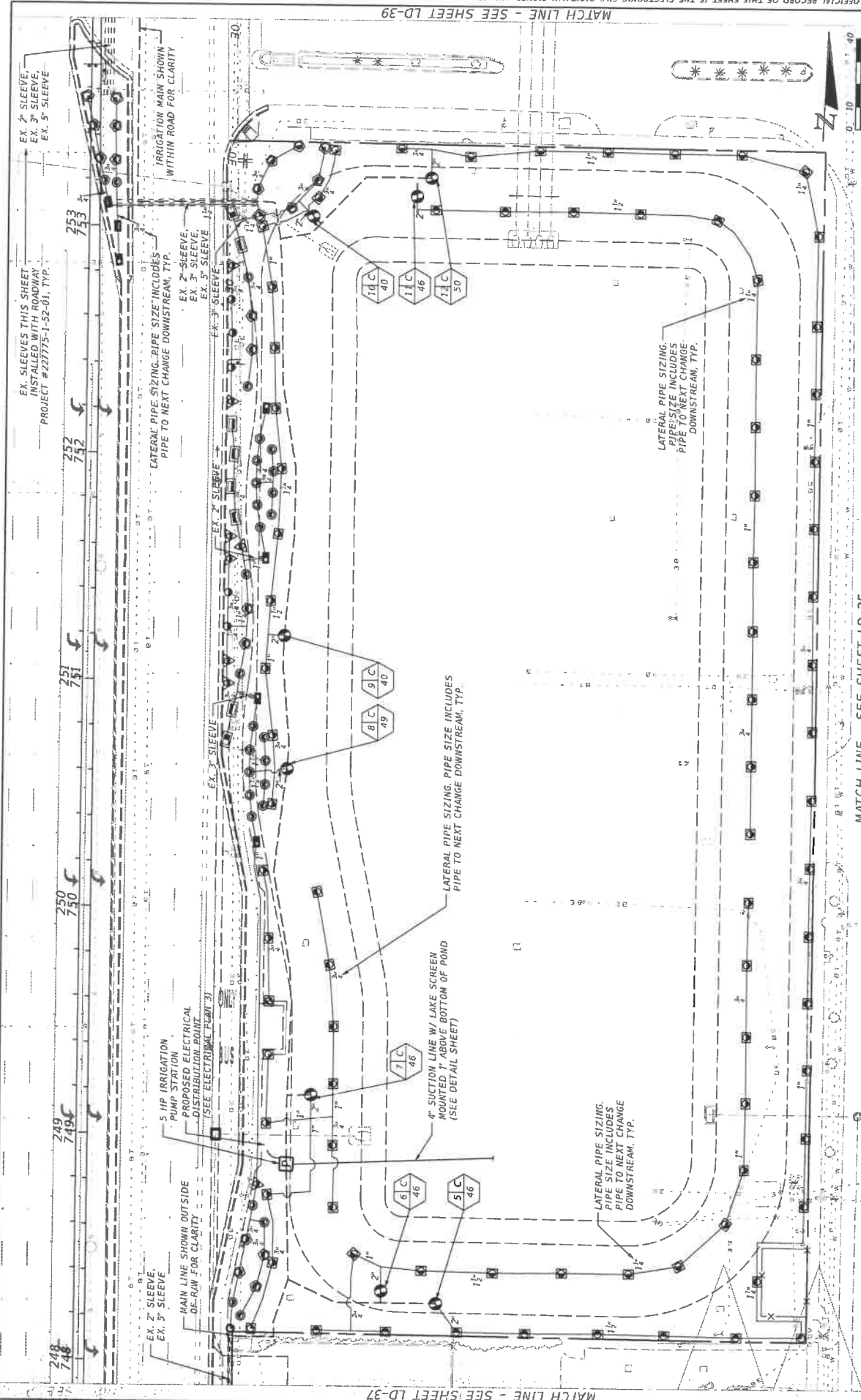
MATCH LINE - SEE SHEET LD-38

MATCH LINE - SEE SHEET LD-36

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANDSCAPE ARCHITECT OF RECORD: ROBERT J. COLLIER, R.L.A. #1067 COLLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 407-747-6336 Fax: 407-747-1377 Corp. of Arch. LC-008923		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-72
---	--	--	-----------------



EX. SLEEVES THIS SHEET  
 INSTALLED WITH ROADWAY  
 PROJECT #227775-1-52-01, TYP.

EX. SLEEVES THIS SHEET  
 INSTALLED WITH ROADWAY  
 PROJECT #227775-1-52-01, TYP.

EX. SLEEVES THIS SHEET  
 INSTALLED WITH ROADWAY  
 PROJECT #227775-1-52-01, TYP.

MATCH LINE - SEE SHEET LD-37

MATCH LINE - SEE SHEET LD-39

Scale: Feet

0 10 20 30 40

STATE OF FLORIDA  
 DEPARTMENT OF TRANSPORTATION

ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01

LANDSCAPE ARCHITECT OF RECORD: Robert J. Cottleur, AIA #1097  
 COTLEUR & HEARING, INC.  
 1934 Commerce Lane Suite 1  
 Jupiter, Florida 33458 Phone: 561-747-1377  
 Cert. of Auth. LC-C000239

4/12/2017 12:04:26 PM

PROJECTS-1201\2277753201 - SK 7 MATCHLINE\DWG\Irrig23.dwg

4/12/2017 12:04:26 PM

irvibr

IRRIGATION PLAN

LD-73

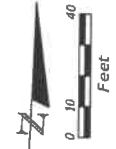
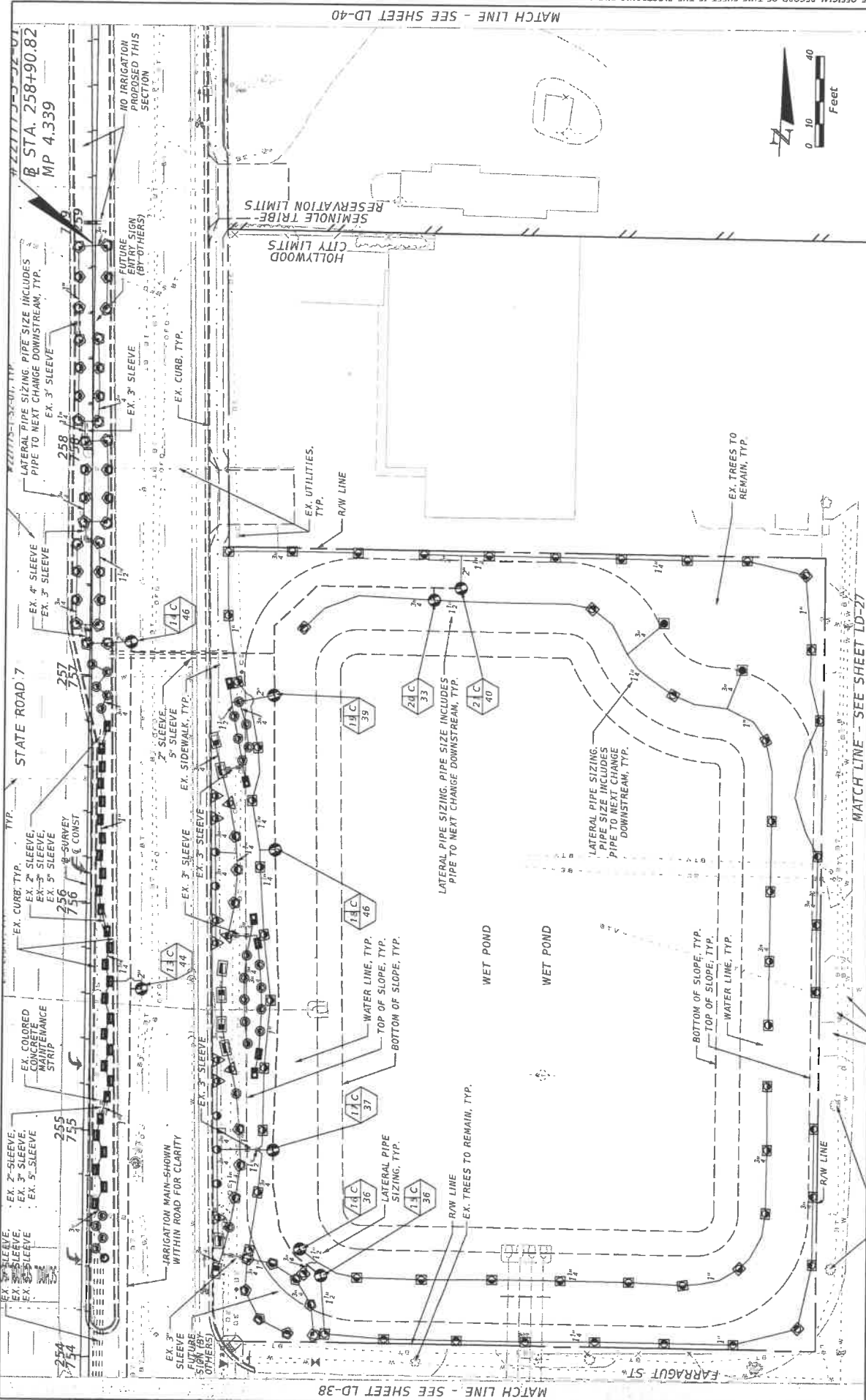
DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

MATCH LINE - SEE SHEET LD-37

MATCH LINE - SEE SHEET LD-25



MATCH LINE - SEE SHEET LD-40



DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

LANGUAGE ARCHITECT OF RECORD: Robert J. Collier, R.L.A. #1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 Tel: 561-746-1137 Fax: 561-746-1377 Cert. of Arch. LC-000229		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 227775-3-52-01	SHEET NO. LD-74
--	--	--	-----------------

4/12/2017 12:04:27 PM F:\PROJECTS\1000\2277753201 - SR 7 North\NAMESCA\PLAN\LD74.DWG

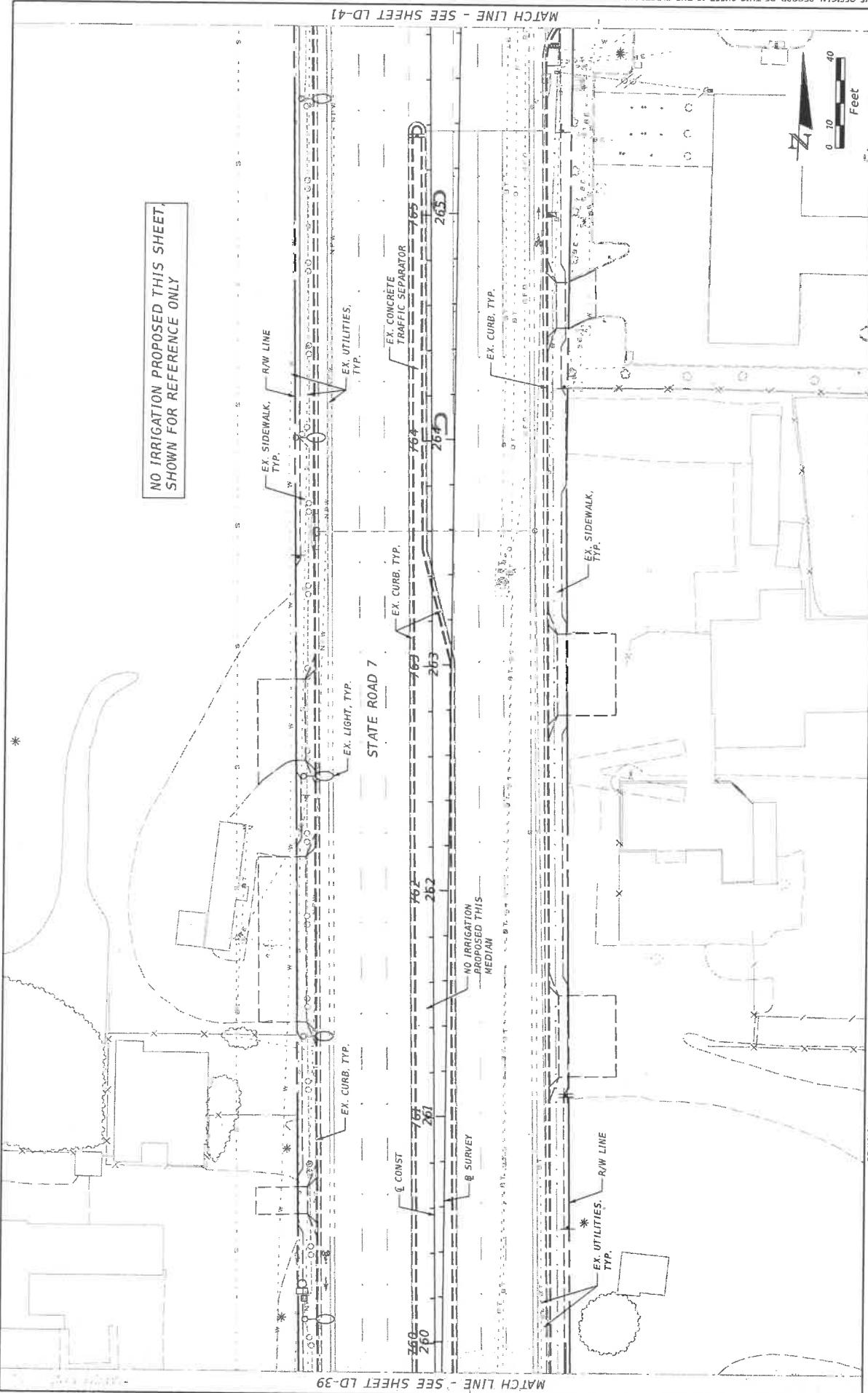
rwilbur

MATCH LINE - SEE SHEET LD-27

MATCH LINE - SEE SHEET LD-38

MATCH LINE - SEE SHEET LD-41

NO IRRIGATION PROPOSED THIS SHEET,  
SHOWN FOR REFERENCE ONLY



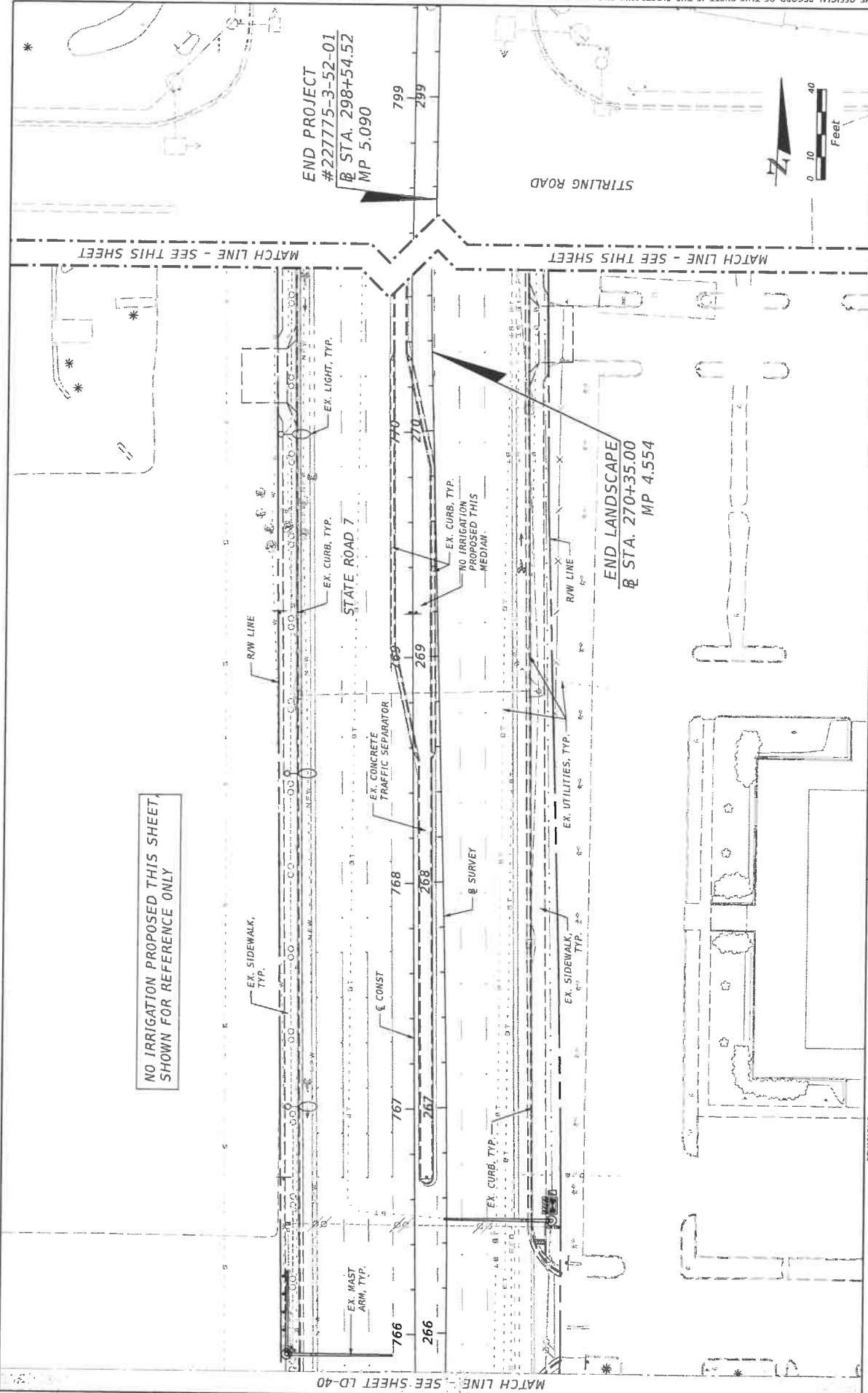
MATCH LINE - SEE SHEET LD-39

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Corliss, R.L.A. #1067 COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 561-746-8366 C.E. of Arch. LC-000253		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. SR 7 COUNTY BROWARD FINANCIAL PROJECT ID 22775-3-52-01	SHEET NO. LD-75
--	--	---	-----------------

12/04/2018 4:12/2018 PROJECTS-EDD\N27753301 - SR 7 NorthVillage\ARC025.dwg



NO IRRIGATION PROPOSED THIS SHEET, SHOWN FOR REFERENCE ONLY

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

Landscape Architect of Record: Robert J. Collier, R.L.A. #1067		STATE OF FLORIDA		SHEET NO.
COTLEUR & HEARING, INC. 1934 Commerce Lane Suite 1 Jupiter, Florida 33458 888-747-6336 Fax: 888-747-1377 2011 W. Palm Beach Blvd., Suite 200, Palm Beach, FL 33480		DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	IRRIGATION PLAN	
SR 7	BROWARD	227775-3-52-01	LD-76	

**SECTION No.: 86100**  
**S.R. No.(s): 7**  
**FM No: 227775-3-52-01**  
**COUNTY: Broward**

**EXHIBIT C**

**MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS**

*See Attached*

## MAINTENANCE PLAN Landscape Improvements

**Project State Road No(s):** 7 (US 441) from Pembroke Road (M.P. 1.562) to North of Farragut Drive at the boundary line between the City of Hollywood and the Seminole Trip (M.P. 4.3400).  
City of Hollywood includes medians, linear parks and landscape areas (between the roadway and the right of way line)

**FM No(s):** 227775-3-52-01

**Maintaining Agency:** City of Hollywood

**RLA of Record:** Robert J. Cotleur

**Date:** April 12, 2017

---

### **I. GENERAL MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS:**

The purpose of a plan for the landscape improvements maintenance practices is to allow the plant material on your project to thrive in a safe and vigorous manner while fulfilling their intended purpose and conserving our natural resources. Plantings and all other landscape improvements shall be maintained to avoid potential roadway hazards and to provide required clear visibility, accessibility, clearance, and setbacks as set forth by Florida Department of Transportation (FDOT) governing standards and specifications: *FDOT Design Standards, FDOT Plans Preparation Manual Vol. 1, Chapter 2.11* and *FDOT Standard Specifications for Road and Bridge Construction*, as amended by contract documents, and all other requirements set forth by the District 4 Operations Maintenance Engineer. The initial portion of the Maintenance Plan describes general maintenance requirements and recommendations. **The concluding section provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.**

### **WATERING REQUIREMENTS**

Watering is a critical concern for not only the maintenance of healthy plant material but also for observing water conservation practices. The amount of water to apply at any one time varies with the weather, drainage conditions and water holding capacity of the soil. For plant materials that have been established, it is imperative that any mandated water restrictions be fully conformed to on FDOT roadways.

Proper watering techniques should provide even and thorough water dispersal to wet the entire root zone, but not saturate the soil or over-spray onto travel lanes.

### **IRRIGATION SYSTEM**

The Agency shall ensure there are no roadway overspray or irrigation activities during daytime hours (most notably "rush hour" traffic periods). It is imperative the irrigation controller is properly set to run early enough that the watering process will be entirely completed before high traffic periods, while adhering to mandated water restrictions. To ensure water conservation, the Agency shall monitor the system for water leaks and the rain sensors to ensure they are functioning properly so that the system shuts down when there is sufficient rainfall.

## **INTEGRATED PLANT MANAGEMENT**

An assessment of each planting area's soil is recommended to periodically determine the nutrient levels needed to sustain healthy, vigorous plant growth.

Palms, shrubs, trees and turf areas shall be fertilized in such a manner and frequency to ensure that the plant material remains healthy and vigorously growing. Please be alert to changes in fertilization types per University of Florida, Institute of Food and Agricultural Services (I.F.A.S.) recommendations. Establishment of an integrated pest management program is encouraged to ensure healthy plants, which are free of disease and pests.

## **MULCHING**

Mulch planting beds in such a manner as to prevent weed growth, retain moisture to the plants, protect against soil erosion and nutrient loss, maintain a more uniform soil temperature, and improve the appearance of the planting beds. Avoid mulch mounded up on the trunks of trees, palms, and the base of shrubs to encourage air movement in this area which aids in lowering disease susceptibility. Cypress mulch is prohibited on state right of way.

±

## **PRUNING**

All pruning, and the associated safety criteria, shall be performed according to American National Standard Institute (ANSI) A300 standards and shall be supervised by an International Society of Arboriculture (ISA) Certified Arborist. Pruning shall be carried out with the health and natural growth of plant materials in mind, to specific pruning heights maintaining clear visibility for motorists, and provide vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions, and all trees and palms must be maintained to prevent potential roadway and pedestrian hazards, all palms are to be kept fruit free. The specific pruning heights are determined by understanding the designer's intent when selecting and placing the plants. The intended mature maintained height and spread of plants are noted on the plans (See Exhibit B.) and see Part II. Specific Requirements and Recommendations for guidelines. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be maintained at a height in compliance with *FDOT Design Standards* Index 546; Page 6 of 6, Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program (MRP)* standards.

## **STAKING AND GUYING**

All staking materials, except for replacements, are to be removed by the completion of FDOT warranty period or at one year (whichever comes first). Any subsequent staking and guying activities by the Agency must adhere to *FDOT Design Standards* guidelines (See Index 544). The Agency shall closely monitor staking and guying attachment materials so that they are securely fastened to avoid potential roadway hazards.

## **TURF MOWING:**

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT Maintenance Rating Program (MRP)*.

**LITTER CONTROL:**

The project site shall remain as litter free as practicable. It is recommended to recycle this litter to avoid unnecessary waste by its reuse. Litter removal efforts must meet *FDOT Maintenance Rating Program (MRP)* standards.

**WEEDING/HERBICIDE**

All planting areas shall be maintained as weed free as practicable by enlisting integrated pest management practices in areas specified on the plans and maintaining proper mulch levels. Extreme care is recommended when using a chemical herbicide to avoid overspray onto plant materials. It is the applicator's responsibility to restore any damage, resulting from overspray to the plantings, per the approved plans.

**PLANT REPLACEMENT**

Plant replacement shall be the same species and specification as the approved plan. Move and replace all plant materials that may conflict with utility relocations and service. Only plants graded Florida #1 or better, per the *Florida Department of Agriculture and Consumer Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a permit is required from FDOT for approval by the FDOT District Landscape Architect.

**HARDSCAPE (SPECIALTY SURFACING)**

All tree grates and specialty surfacing shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook Pages 43-47; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

**Or Use When Concrete Pavers**

All tree grates and specialty surfacing (if applicable) shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current *Interlocking Concrete Pavement Institute (ICPI), Guide Specifications for Pavers on an Aggregate Base, Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the specialty surfacing or tree grates become damaged, they shall be replace with the same type and specification as the approved plan.

**HARDSCAPE (NON-STANDARD) TRAVELWAY SURFACING**

It shall be the responsibility of the AGENCY to restore an unacceptable ride condition of the roadway, including asphalt pavement (if applicable), caused or contributed by the installation or failure of non-standard surfacing, and/or the header curb, on the Department of Transportation right of way within the limits of this Agreement. Pavement restoration areas or "patches" will have a minimum length of 10-ft, measured from the edge of the header curb, and a width to cover full lanes for each lane affected by the restoration.

Pavement restoration will be performed in accordance with the most current edition of the *FDOT Standard Specifications for Road and Bridge Construction*, and the *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System*.

It shall be the responsibility of the AGENCY to maintain all signs located within a non-standard surfacing area. Such maintenance to be provided by the AGENCY shall include repair and replacement of the sign panel, post, and base.

#### **HARDSCAPE (LANDSCAPE ACCENT LIGHTING) (IF APPLICABLE)**

Landscape accent lighting shall be maintained in such a manner as to prolong the life of the lighting fixture and prevent potential safety hazards. If the lighting fixtures and their system become damaged, they shall be replaced with the same type and specification as the approved plan. Landscape lighting shall meet requirements for the sea turtle nesting and hatching.

#### **MAINTENANCE OF TRAFFIC CONTROL**

Reference the FDOT website regarding the selection of the proper traffic control requirements to be provided during routine maintenance and / or new installations of this DOT roadway.

#### **VEGETATION MANAGEMENT AT OUTDOOR ADVERTISING (ODA) (IF APPLICABLE)**

To avoid conflicts with permitted outdoor advertising, please reference the State of Florida website regarding the vegetation management of outdoor advertising. This website provides a portal to search the FDOT Outdoor Advertising Inventory Management System Database. The database contains an inventory of outdoor advertising structures, permits and other related information maintained by the Department.

Also, reference the *Florida Highway Beautification Program* website link for "Vegetation Management at ODA signs" "Florida Statutes" and "Florida Administrative Code" related to vegetation management at outdoor advertising sign, permit applications for vegetation management and determining mitigation value of roadside vegetation.

## **II. SPECIFIC PROJECT SITE MAINTENANCE REQUIREMENTS AND RECOMMENDATIONS**

### **1. General Information**

Some of the unique landscape features provided include:

- The retention ponds along the corridor are being designed as linear parks. These areas include colored concrete curvilinear sidewalks around their perimeters, colored concrete plazas and extensive landscape.
- The medians have solid shrub/ground cover plantings (without sod), large and small palms, accent trees and shrubs with colored concrete maintenance strips to provide maintenance access as well as colored concrete traffic separators. The medians were designed with irrigation drip systems to conserve water where possible while several medians to the north utilize spray systems along with the linear park areas. The water sources for the system will be potable city water as well as one of the wet ponds.



- The plans also provide provisions for future improvements by the City, including conduit for future landscape lighting, pedestrian bridges, signage and street furniture at which time this agreement will be updated.
- The remainder of the landscape within Hollywood includes plantings of Sabal palms located at the back of sidewalk along the west side of SR 7. These palms will not be irrigated and were chosen based on their ability to thrive in these conditions and to allow visibility to the commercial properties from the roadway.

## 2. Specific Maintenance Requirements

### a. Hardscape Areas

- The decorative hardscape areas will need to be periodically pressure cleaned. In addition, weeds will need to be removed from cracks and edges, etc. For any hardscape areas that become damaged or broken in the future, care will need to be taken to ensure the color of the restored colored concrete matches the 'existing' concrete to the extent possible.

### b. Specific Fertilization Requirements

- Several of the plant species utilized, must receive periodic feedings to keep them healthy. These species include Pindo palms, Bismarck palms, Bottle palms, Spindle palms, Ribbon palms, Ligustrum trees, Solitaire palms, all varieties of Date palms, Royal palms and Montgomery palms.
- Utilize this fertilizer on all the plants, including palms, trees and shrubs. Do not utilize fertilizers that are specifically formulated for trees and shrubs on the palms. Follow all manufacturer recommended rates and application methods.

### c. Specific Pruning Requirements

- For all the palms, pruning should only be done to remove the fronds that are below 90° from the trunk, and only when broken or completely dead. Self-cleaning palms do not require pruning, as their fronds fall off when the available nutrients have been exhausted. Do Not pull them off.
- All of the Coconut palms must be maintained fruit free and the nuts should not be allowed to develop due to the proximity to the sidewalks.
- The trees should be pruned to maintain all lateral offsets and vertical clearance requirements, increase wind resistance and develop a strong central leader (except multi-stemmed trees) and to correct structural problems; such as crossing branches, etc.
- Pruning should be done before the height of the hurricane season.

### d. Shrub Trimming

- The following species can be sheared as a rounded mass to provide a uniform height. The edges of the mass should be leaned inward and should be rounded off at the top; as opposed to straight sides with square corners. The masses of different species should be maintained at different heights, as provide more visual interest. These species include the ahrub form Jatropa (6'), Green Island Ficus (3.2'), Dwarf Firebush, Dwarf Yaupon Holly (2.2'), Parsons Juniper (1.5'), Dwarf Podocarpus (2.5'), Japanese Yew (8'), Blue Porter Weed and the Dwarf Variegated Schefflera (3.5').

- The following monocot shrub should **not** be sheared, but instead should be cutback every year (or every other year, as needed) to remove bio-mass and regenerate the plant. This trimming should be done in early spring and includes the Dianella and the Muhly Grass.
- The following shrubs should only be trimmed to remove dead or damaged leaves, never to control height and never sheared. Species include Crinum Lily and Bromeliad. Leaves should never be removed above 90° from the trunk. Excessive sucker growth should be removed carefully from the base. Ensure the main stalk is not damaged in the process.

### 3. Specific Irrigation Requirements

- Some of the species utilized do not tolerate wet soil conditions for extended periods (after the plants are established) and therefore, the irrigation should be monitored to ensure the plants are receiving the proper amount of supplemental water and are not being over-watered. These species include Dianella, Montgomery palms and all varieties of Date palms.

## REFERENCES

This reference list is provided as a courtesy. The list may not contain the most current websites. The most current references must be accessed for up to date information.

Accessible Sidewalk (ADA)

<http://www.access-board.gov/guidelines-and-standards/streets-sidewalks>

Americans with Disabilities Act (ADA) (ADAAG)

[http://www.ada.gov/2010ADAstandards\\_index.htm](http://www.ada.gov/2010ADAstandards_index.htm)

American National Standard Institute, *ANSI A300, (Part 1) for Tree Care Operations – Trees, Shrub, and Other Woody Plant Maintenance – Standard Practices (Pruning)*, available for purchase

<http://webstore.ansi.org>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Plants 2015*

<http://www.freshfromflorida.com/Divisions-Offices/Plant-Industry/Bureaus-and-Services/Bureau-of-Plant-and-Apiary-Inspection>

Florida Department of Community Affairs (DCA), *Florida Board of Building Codes & Standards, 2010 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A*

[http://www2.iccsafe.org/states/florida\\_codes/](http://www2.iccsafe.org/states/florida_codes/)

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 544 Landscape Installation*

<http://www.fdot.gov/roadway/DS/17/IDx/00544.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 546 Sight Distance at Intersections*

<http://www.fdot.gov/roadway/DS/17/IDx/00546.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 600 Traffic Control through Work Zones*

<http://www.fdot.gov/roadway/DS/17/IDx/00600.pdf>

Florida Department of Transportation, *FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 700 Roadside Offsets*

<http://www.fdot.gov/roadway/DS/17/IDx/00700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. I Chapter 4, 4.2.4 Lateral Offset*

*Table 4.2.1 Clear Zone Width Requirements*

*Table 4.2.3 Lateral Offset Criteria (for Trees)*

<http://www.fdot.gov/roadway/PPMManual/2016PPM.shtm>

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation*

<http://www.fdot.gov/programmanagement/Maintenance/2017Jan/Files/SS5800000.doc>

Department of Transportation, Landscape Architecture Website  
[www.MyFloridaBeautiful.com](http://www.MyFloridaBeautiful.com)

Florida Department of Transportation, *Maintenance Rating Program Handbook*

<http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm>

Florida Department of Transportation Outdoor Advertising Database

<http://www2.dot.state.fl.us/rightofway/>

Florida Exotic Pest Plant Council Invasive Plant Lists

<http://www.fleppc.org/list/list.htm>

Florida Irrigation Society

<http://www.fisstaterg.org>

Florida Power and Light (FPL), *Plant the Right Tree in the Right Place*

[http://www.fpl.com/residential/trees/right\\_tree\\_right\\_place.shtml](http://www.fpl.com/residential/trees/right_tree_right_place.shtml)

SECTION No.: 86100  
S.R. No.(s): 7  
FM No: 227775-3-52-01  
COUNTY: Broward

**EXHIBIT D**

**APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS**

This Exhibit forma an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the state of Florida Department of Transportation and the AGENCY.

**Dated: April 11, 2017**

**\$1,767,857.22**

*See Attached*

**SR 7 (NORTH PROJECT) - LANDSCAPE COST ESTIMATE**

FPI# 227715-3-52-01, CH# 130601.01  
LAST UPDATE April 11, 2017

*PAY ITEM NO.	SYMBOL	DESCRIPTION	SIZE / REMARKS	NATIVE	MAX. MAINT. SIZE	UNIT	GRAND TOTAL	UNIT COST	INSTALLED UNIT COST	SUB-TOTAL
522-2	NOB	Mobilization				LS	1	173,142.86	\$	173,142.86
523-2	NOT	Maintenance of Traffic (NOT)				LS	1	70,714.29	\$	70,714.29
570-1-2	SOD1	Paspalum notatum - Bahua Sod	5% OF LANDSCAPE & IRRIGATION COST	Y	SEE SPECS	SY	0	2.43	\$	\$
570-1-2	SOD2	Stenotaphrum secundatum 'Floratum' - St. Augustine Sod	5% OF LANDSCAPE & IRRIGATION COST	N	SEE SPECS	SY	11,043	3.52	\$	\$
580-1-1		SMALL PLANTS				LS	1		\$	36,871.36
	DT	Dianella tasmanica - Blueberry Flax Lily	#3 GAL. 1' x 1.5' x 2' OC	N	NF/2		3,222	5.50	\$	31,108.00
	FG	Ficus macrophylla 'Green Island' - Green Island Ficus	#3 GAL. 1' x 1.5' x 2' OC	N	3,2		3,234	5.50	\$	31,127.25
	IV	Ilex venicaria 'Stokes Dwarf' - Dwarf Yaupon Holly	#3 GAL. 1' x 1' x 2' OC	Y	2,2		800	5.50	\$	8,566.25
	JP	Juniperus parsonii - Parsons Juniper	#3 GAL. 1' x 1.5' x 2' OC	N	NF/1.5		670	5.50	\$	6,448.75
	LM	Liriodendron muscari - Liriope	#1 GAL. 1' x 1' x 2' OC	N	NF/2		2,220	2.00	\$	7,770.00
	MS	Mimosa stipulosa - Smooth Mimosa	#1 GAL. 4' x 8' x 1' OC	Y	NF/1		2,675	2.00	\$	9,012.50
	MU	Muhlenbergia capillaris - Muffy Grass	#3 GAL. 1' x 1' x 2' OC	Y	NF/2		480	5.50	\$	4,620.00
	PD	Podocarpus nacr. 'Pringles or Mera' - Dwarf Podocarpus	#3 GAL. 1' x 1.5' x 2' OC	N	2,5		1,225	5.75	\$	12,376.56
	PD7	Podocarpus nacr. 'Mak' - Japanese Yew	#7 GAL. 3' x 2' x 2.5' OC	N	8		138	20.00	\$	4,830.00
	SAV	Scaevola arbutifolia 'Trinaster' - Dwarf Variegated Scheff	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	3,5		1,178	5.50	\$	11,338.25
	SJ	Stachytarpheta urticifolia - Blue Porter Weed	#1 GAL. 1' x 1' x 2' OC	N	3		100	3.00	\$	525.00
580-1-2		LARGE PLANTS				LS	1		\$	14,040.00
	BA	Bauhinia arborea - Yellow Butterfly	12' OA x 6' SPREAD, 2' CAL. FULL	N	40		39	180.00	\$	3,600.00
	BC	Butia capitata - Pindo Palm	6' CT. SINGLE, DC. RP	N	NF/25		42	550.00	\$	46,200.00
	BN	Bismarckia nobilis 'Silver' - Silver Bismarck Palm	6' CT. SINGLE, RP, FF	N	NF/30		26	540.00	\$	28,080.00
	BRO	Bromelia imperialis - Imperial Bromeliad	#7 GAL. 24" OA	N	NF/2.5		27	50.00	\$	2,362.50
	CES	Conocarpus erectus var. sericeus - Silver Buttonwood	10' x 6' MULTI, LIMB UP 3'	Y	15		65	125.00	\$	250.00
	CLP	Crinum augustum 'Queen Emma' - Purple Crinum Lily	#15 GAL. 3' x 3' FULL	N	NF/4.5		4	40.00	\$	80.00
	CLG	Cordia alliodora - Small Leaf Clusia	10' x 6' TREE FORM, LIMB UP 3'	Y	20		4	225.00	\$	450.00
	COB	Coccothrinax sp. - Curved Malayan Coconut Palm	10', 14', 18' CT. (SEE PLANS), CURVED TRUNKS, FF	N	NF/50		35	575.00	\$	1,500.00
	CN	Cocos nucifera 'Green Malayan' - Malayan Coconut Palm	10', 14', 18' CT. (SEE PLANS), FF	N	NF/50		71	525.00	\$	40,250.00
	CS	Cassia surattensis - Cassia	8'-10' OA x 5' SPREAD, 5' CAL.	N	15		4	125.00	\$	250.00
	DR	Delonix regia - Royal Poinciana	16' OA x 8' SPREAD, 5' CAL.	N	40		56	210.00	\$	420.00
	HL	Hyporhoe lasiocarpa - Bottle Palm	8' OA, SINGLE, FF	N	NF/12		1	175.00	\$	350.00
	HY	Hyporhoe verschaffeltii - Spindle Palm	8' OA, SINGLE, FF	N	NF/12		3	175.00	\$	525.00
	JAN	Jatropha integriceps - Jatropha	6' OA x 4' SPREAD, MULTI, LIMB UP 2'	N	12		92	45.00	\$	4,140.00
	JAT	Jatropha integriceps - Jatropha	4' x 3' BUSH FORM, 4' OC	N	6		204	20.00	\$	8,280.00
	LD	Livistonia decipiens - Ribbon Palm	12'-14' CT. SINGLE, DC, MATCHED, FF	N	NF/35		86	275.00	\$	8,160.00
	LIM	Livistonia decipiens - Ribbon Palm	12' OA x 6' SPREAD, MULTI, LIMB UP 5' - FF	N	15		63	200.00	\$	550.00
	LIT	Livistonia decipiens - Ribbon Palm	12' OA x 6' SPREAD, MULTI, LIMB UP 5' - FF	N	15		48	200.00	\$	400.00
	LJ	Livistonia decipiens - Ribbon Palm	8' OA x 7' SPREAD, MULTI, LIMB UP 3'	N	15		3	250.00	\$	750.00
	LL	Lararium odijissii - Blue Lantan Palm	10' OA, SINGLE, FF	N	NF/20		14	225.00	\$	9,100.00
	LS	Livistonia decipiens - Ribbon Palm	14' OA x 6' SPREAD, 2' CAL. FULL	N	NF/35		25	210.00	\$	4,200.00
	HG	Magnolia grandiflora 'Bracten' - Bracten Magnolia	14' - 16' x 7' x 4.5' CAL	N	40		16	400.00	\$	800.00
	PDU	Petalochrom dubium - Yellow Poinciana	16' OA x 7' SPREAD, 4' CAL	N	40		3	225.00	\$	450.00
	PEA	Psychotria elegans - Solitaire Palm	MIN 12' CT. SINGLE, MAX 4' CAL, FF	N	NF/25		85	200.00	\$	400.00
	PEA3	Psychotria elegans - Solitaire Palm	MIN 10' CT (ALL STEMS), TRIPLE	N	NF/25		20	300.00	\$	6,000.00
	PHC	Phoenix canariensis - Canary Island Date Palm	13' CT. FF, DC, MATCHED	N	NF/40		6	4,600.00	\$	9,200.00
	PHM	Phoenix dactylopera 'Neajud' - Neajud Date Palm	8' OA, DOUBLE, FF, MATCHED	N	NF/50		28	3,500.00	\$	6,125.00
	PH	Phoenix roebelenii - Pinyon Date Palm	13', 17', 21' CT. (SEE PLANS), DC, FF	N	NF/12		4	175.00	\$	350.00
	OV	Quercus virginiana - Live Oak	18' OA x 6' SPREAD, 3' CAL. FULL, 5' CT	Y	50		10	350.00	\$	1,400.00
	AM1	Ravenea madagascariensis - Traveler's Palm	22' - 24' OA, FIELD GROWN, SPECIMEN	N	NF/40		2	400.00	\$	800.00
	AM2	Ravenea madagascariensis - Traveler's Palm	14' - 16' OA, #100 GAL	N	NF/40		2	250.00	\$	500.00
	SP	Sabal palmetto - Sabal Palmetto	12', 16', 20', 24' CT. (SEE PLANS), SLICK, REGEN	N	NF/50		216	195.00	\$	73,710.00
	TR	Thrinax radiata - Thatch Palm	8' OA, SINGLE, FF	Y	NF/15		30	185.00	\$	370.00
	W3	Veitchia montgomeryana - Montgomery Palm	MIN 14' CT (ALL STEMS), TRIPLE, FF	Y	NF/40		84	350.00	\$	437.50
	W4	Veitchia montgomeryana - Montgomery Palm	MIN 14' CT (ALL STEMS), TRIPLE, FF	N	NF/40		3	220.00	\$	440.00
	VA29	Veitchia montgomeryana - Montgomery Palm	24' CT (STAGGER HEADS MIN 5'), DOUBLE, FF (SEE PLANS)	N	NF/40		2	220.00	\$	440.00
	VM	Veitchia montgomeryana - Montgomery Palm	14' CT, SINGLE, FF	N	NF/40		20	175.00	\$	3,500.00
500-70		IRRIGATION SYSTEM				LS	1	418,419.35	\$	418,419.35
538-1-22		ELECTRIC SERVICE				LS	4	3,500.00	\$	14,000.00
		7 YEAR EXTENDED MAINTENANCE FOR LANDSCAPE (12% OF LANDSCAPE & IRRIGATION COST)				LS	1	169,714.29	\$	169,714.29
									\$	183,857.15
									\$	432,419.35
									\$	981,866.42
									\$	169,714.29
									\$	1,767,857.22
									\$	1,767,913.00
									\$	55.78

GRAND TOTAL	UNIT COST	INSTALLED UNIT COST	SUB-TOTAL
169,714.29	\$	\$	\$
418,419.35	\$	\$	\$
14,000.00	\$	\$	\$
183,857.15	\$	\$	\$
432,419.35	\$	\$	\$
981,866.42	\$	\$	\$
169,714.29	\$	\$	\$
1,767,857.22	\$	\$	\$
1,767,913.00	\$	\$	\$
55.78	\$	\$	\$

**SECTION No.(s): 86100**  
**S.R. No.: 7**  
**FM No: 227775-3-52-01**  
**COUNTY: Broward**

## **EXHIBIT E**

### **POND MAINTENANCE**

This Exhibit forms an integral part of the DISTRICT FOUR (4) LANDSCAPE MAINTENANCE MEMORANDUM OF AGREEMENT between the State of Florida, Department of Transportation and the AGENCY.

All improvements to the pond (s), such as installation of aerators, littoral and transitional zone planting, and surrounding pond plant material in this Agreement shall implement the following maintenance program:

Maintenance shall be conducted as needed to ensure the planted littoral, transitional, and surrounding pond areas are maintained free of any debris and exotic/nuisance vegetation listed on the United States Department of Agriculture Florida State Noxious Weeds List (<http://plants.usda.gov>) and any other species such as, cattails (*Typha spp.*) and torpedo grass (*Panicum repens*) which impede the growth of desirable vegetation. Pond areas shall be kept free of these exotic/nuisance vegetation at all times.

Appropriate methods to control the exotic/nuisance vegetation may include mechanical (removal by hand or machine) and chemical treatments (aquatic approved herbicides within or next to water) or a combination thereof. Special care should be taken when using herbicides not to impact the desirable plantings. When herbicides are necessary, follow all applicable laws and regulations, read the label and use Best Management Practices to determine which herbicide to use. The herbicide applicator shall possess a current Commercial Pesticide Applicator License with a Right of Way Pest Control endorsement issued by the State of Florida, Department of Agriculture and Consumer Services.

Any ornamental grasses are intended to grow to their natural height and habit. Cut back yearly to reduce thatch build up and promote new fresh growth.

All grassed areas are to be mowed and trimmed with sufficient frequency to maintain a deep, healthy root system while providing a neat and clean appearance to the urban landscape. All turf efforts, mowing, curb/sidewalk edging and turf condition, must at a minimum, meet *FDOT* Maintenance Rating Program (MRP).

(<http://www.dot.state.fl.us/statemaintenanceoffice/MaintRatingProgram.shtm>)

No fertilizer shall be used within ten (10) feet from the edge of water.

Maintain vegetative cover of the pond slopes to prevent erosion. The pond slopes may require replanting if the planted vegetation dies. Should it become necessary to change the species, prior approval must be obtained from the FDOT District Landscape Architect.

Keep pond aerators (if applicable) free and clear of debris so as to maintain their functionality. Maintenance of the system should be performed in accordance with manufacturer recommendations.

Treat the pond for algae and all other nutrient imbalances to maintain a clear, oxygenated and balanced system.

Keep the drainage structure openings clean and free of debris, but excluding functionality of the structure.

All other maintenance of the pond area (s) shall follow the Maintenance Plan included in the Landscape Maintenance Memorandum of Agreement (MMOA).