

CITY OF MARGATE, FLORIDA

RESOLUTION NO. 11-484

A RESOLUTION OF THE CITY OF MARGATE, FLORIDA, APPROVING AMENDMENT NUMBER ONE TO DISTRICT FOUR (4) MAINTENANCE MEMORANDUM OF AGREEMENT INCLUSIVE AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR MAINTENANCE OF LANDSCAPING IMPROVEMENTS ON STATE ROADS IN THE CITY OF MARGATE.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF MARGATE, FLORIDA:

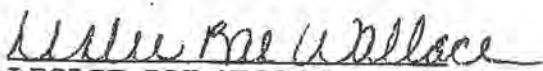
SECTION 1: That the City Commission of the City of Margate, Florida hereby approves Amendment Number One to District Four (4) Maintenance Memorandum of Agreement Inclusive Agreement with the Florida Department of Transportation for maintenance of landscaping improvements on State roads in the City of Margate.

SECTION 2: That the Mayor and City Manager are hereby authorized and directed to execute said agreement on behalf of the City of Margate, a copy of which is attached and made a part of this Resolution.

SECTION 3: That this Resolution shall become effective immediately upon its passage.

PASSED, ADOPTED AND APPROVED THIS 1st DAY OF JULY, 2009.

ATTEST:


LESLIE RAE WALLACE
CITY CLERK


MAYOR ARTHUR J. BROSS

RECORD OF VOTE

Donovan	Yes
McLean	Yes
Talerico	Aye
Varsallone	Aye
Bross	Aye

SECTION NO.: 86100000
FM NO. (s): 416878-1-52-01
COUNTY: BROWARD
S.R. NO(s): 7 (US 441)

**AMENDMENT # ONE TO DISTRICT FOUR STATE OF FLORIDA DEPARTMENT
OF TRANSPORTATION AND CITY OF MARGATE HIGHWAY LANDSCAPE
INCLUSIVE MEMORANDUM OF AGREEMENT**

This is Amendment Number One to the Agreement dated July 16, 2008, made and entered into this 10th day of July 2009 by and between the State of Florida Department of Transportation hereinafter called the "DEPARTMENT" and the CITY OF MARGATE, a political subdivision of the State of Florida, hereinafter called the "AGENCY".

WITNESSETH

WHEREAS, the parties entered into the Inclusive Maintenance of Agreement dated July 16, 2008 for the purpose of maintaining landscape by the AGENCY on various State 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 7 (US 441) in accordance with the above referenced Agreement;

WHEREAS, the AGENCY by Resolution No. 11-484 dated July 1, 2009, attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorizes its officers to do so;

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

Pursuant to paragraph 14 of the Inclusive Agreements for State Road 7 (US 441) dated July 16, 2008 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 SW 8th Court (M.P. 17.040) to just north of N.W. 31st Street (M.P. 20.592) in accordance with the plans attached as Exhibit B.

1. The AGENCY shall agree to maintain the landscape improvements in the Inclusive Agreement described above and as provided in accordance with the Maintenance Plan, attached as Exhibit C.
2. The DEPARTMENT agrees to enter into a contract to have installed said landscape improvements for an amount as indicated in Exhibit D not to exceed \$1,066,728.69.

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

Exhibits

Exhibit A - PROJECT LOCATION & PROJECT LOCATION MAP

Exhibit B - PROJECT PLANS

Exhibit C - MAINTENANCE PLAN

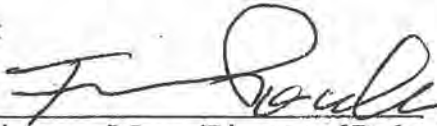
Exhibit D - PROJECT COSTS

In Witness whereof, the parties hereto have executed with this Amendment effective the
10th day July year written and approved.

City of Margate
a municipal corporation.

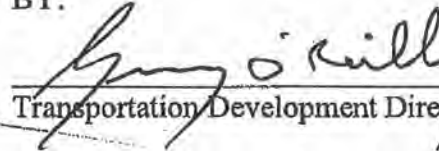
State of Florida
Department of Transportation

BY:

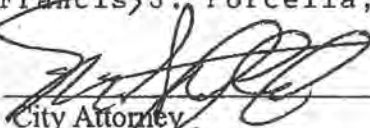


Chairperson/Mayor/Director of Parks &
Recreation/City Manager/City Engineer/
Director of Public Works
Francis J. Porcella, City Manager

BY:

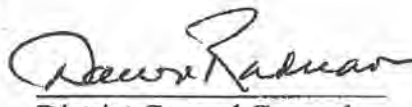


Transportation Development Director



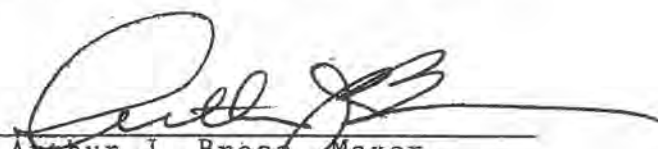
City Attorney,
Eugene Steinfeld

7/6/09
Date



District General Counsel

7/9/2009
Date



Arthur J. Bross, Mayor

SECTION NO.:	86100000
FM NO. (s):	416878-1-52-01
COUNTY:	BROWARD
S.R. NO(s):	7 (US 441)

EXHIBIT A

PROJECT LOCATION AND MAINTENANCE BOUNDARIES

I. PROJECT LOCATION FOR THE ROADWAY PROJECT:

State Road 7 (U.S. 441) from Cypress Creek Canal (M.P. 17.828) to SR 834 Sample Road (M.P. 20.865)

II. PROJECT LIMITS OF FOR THIS LANDSCAPE PROJECT:

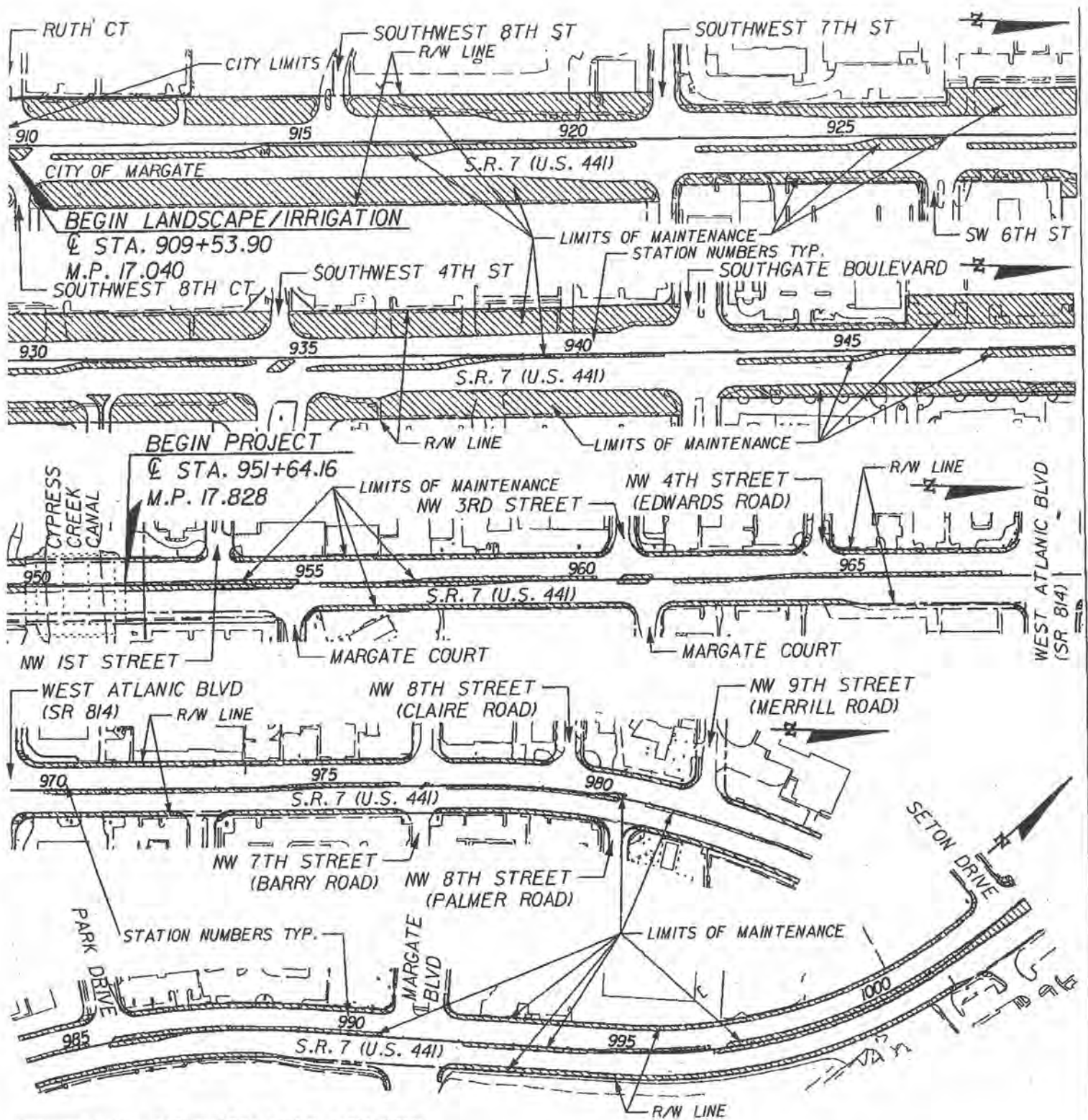
State Road 7 (U.S. 441) from S.W. 8th Court (M.P. 17.040) to north of NW 31st Street (M.P. 20.592).

III. LIMITS OF MAINTENANCE FOR STATE ROAD 7 (US 441):

State Road 7 (US 441) from (M.P. 16.698) to North of N.W. 31st Street (M.P. 20.600)

IV. PROJECT MAINTENANCE MAP:

See Attachments for Limits of Maintenance Map



Landscape Architect Of Record: Robert J. Coteleur, RLA: #1067



Cotleur Hearing
 1934 Commerce Lane Suite 1
 Jupiter, Florida 33458
 561-747-6336 Fax 561-747-1377
 Cert. of Auth. LC-C000239
 Vendor No. 65-0270814

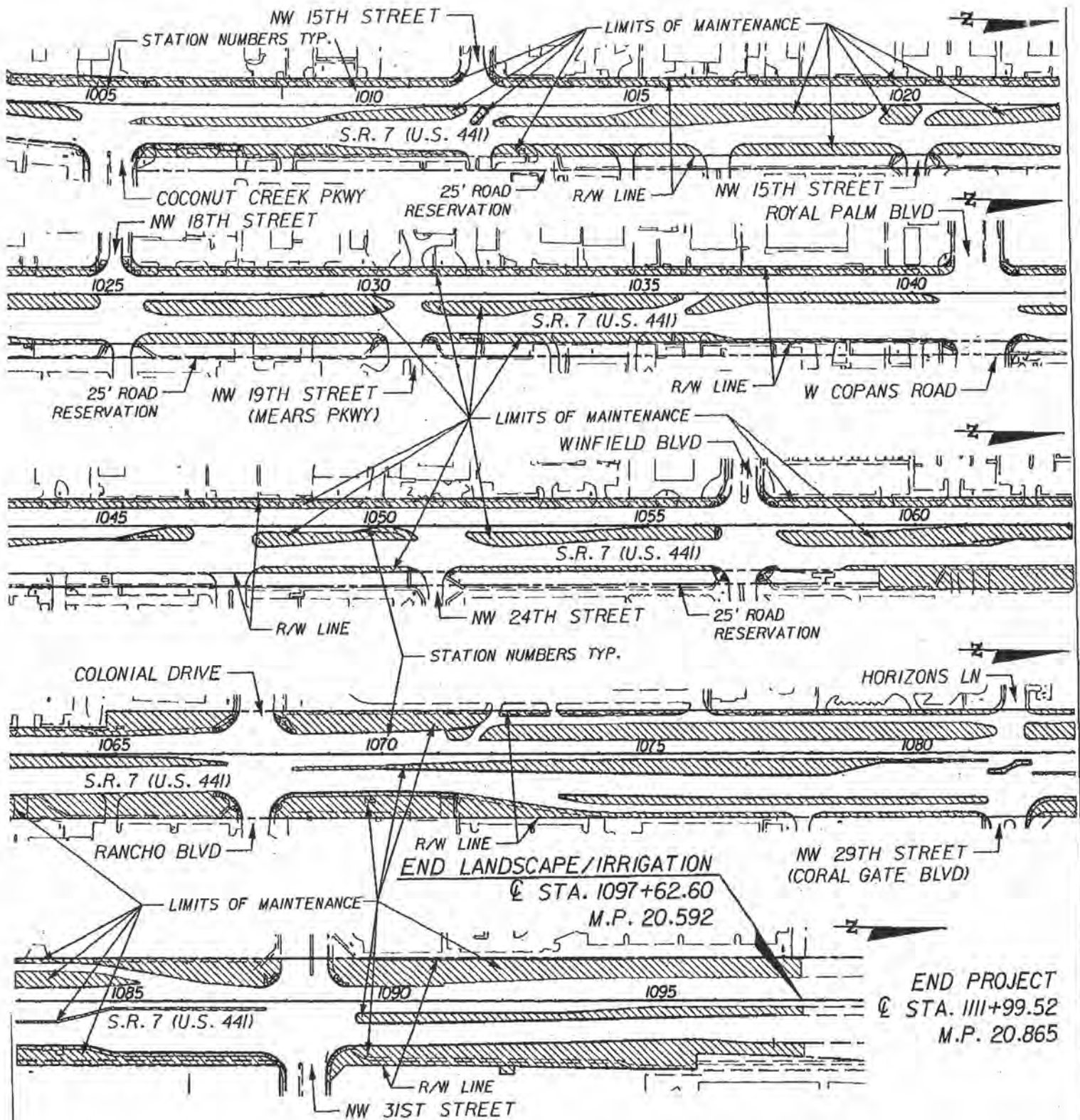
Limits of Maintenance Map City of Margate

SR 7 Resurfacing - Landscape Project
 Florida Department Of Transportation
 FPI No. 416878-1-52-01



LIMITS OF MAINTENANCE
 BY CITY OF MARGATE

Not To Scale
 CH Project No. 07-0115
 June 10, 2009
 Sht 1 of 2



Landscape Architect Of Record: Robert J. Coteleur, RLA: #1067



Cotleur Hearing

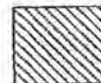
1934 Commerce Lane Suite 1
Jupiter, Florida 33458
561-747-6336 Fax 561-747-1377
Cert. of Auth. LC-C000239
Vendor No. 65-0270814

Limits of Maintenance Map
City of Margate

SR 7 Resurfacing - Landscape Project

Florida Department Of Transportation

FPI No. 416878-1-52-01



LIMITS OF MAINTENANCE
BY CITY OF MARGATE

Not To Scale
CH Project No. 07-0115
June 10, 2009
Sht 2 of 2

SECTION NO.:	86100000
FM NO. (s):	416878-1-52-01
COUNTY:	BROWARD
S.R. NO(s):	7 (US 441)

EXHIBIT B

PROJECT PLANS

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

Please see attached plans prepared by: Cotleur & Hearing, Inc., Robert J. Cotleur,
R.L.A.

Date: June 10, 2009

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

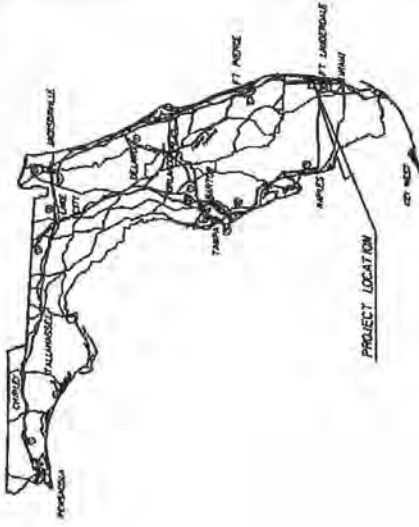
CONTRACT PLANS

FINANCIAL PROJECT ID 416878-1-52-01
(FEDERAL FUNDS)
BROWARD COUNTY (86100)
STATE ROAD NO. 7

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2 TO LD-6	TABULATION OF QUANTITIES / PLANT SCHEDULE
LD-7	LANDSCAPE GENERAL NOTES
LD-8	LANDSCAPE DETAILS
LD-9 TO LD-38	LANDSCAPE PLAN
LD-39	IRRIGATION LEGEND AND TABULATION OF QUANTITIES
LD-40	IRRIGATION GENERAL NOTES AND DETAILS
LD-41	IRRIGATION DETAILS
LD-42 TO LD-70	IRRIGATION PLAN



LANDSCAPE SHOP DRAWINGS
TO BE SUBMITTED TO:

ROBERT J. COTTEUR
COTTEUR & NEARNS, INC.
1834 COMMENCE LANE, SUITE 1
JUPITER, FL 33408

PLANS PREPARED BY:

Landscapes Architect of Record: Robert J. Cotteur, RLA #008
Cotteur Hearing
834 Commerce Lane Suite 1
Jupiter, Florida 33408
561-747-6336 Fax 561-747-1377
Per. of Auth. LC-0000229
Vendor No. 65-027004

CONTRACT NO. C-8424

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

JUN 10 2003

DATE	KEY SHEET REVISIONS DESCRIPTION

LANDSCAPE PLANS
LANDSCAPE
ARCHITECT OF RECORD: ROBERT J. COTTEUR

ALLA NO. 057

FISCAL YEAR	SHEET NO.
10	LD-1

FDOT PROJECT MANAGER: DONOVAN PESSON, P.E.

6/10/2003 3:42:38 PM C:\P\101-46P\86100\86100-01\86100-01.dwg

TABULATION OF QUANTITIES / PLANT SCHEDULE

[illegible]

LECODE: OC= ON CENTER, CT= CLEAR TRUNK, CAL= CALIPER, CM= CORNWOOD, Y= YES, LS= LANDSCAPE, STGB= STAGBRED, NP= NATURAL FORM, OA= OVER ALL, SPAD= SPREAD
= WHERE SHRUBS AND GROUNDCOVERS ARE LOCATED WITHIN SIGHT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24" FROM ROWWAY GRADE AS SHOWN IN TYPICAL MEDIAN SECTION.

[illegible]

TABULATION OF QUANTITIES / PLANT SCHEDULE

P&E ITEM NO.	SYM	DESCRIPTION	SIZE/REMARKS	NATIVE	MAXIMUM MAINTAINED SIZE	SHEET NUMBERS												TOTAL THIS SHEET	REF. SHEET
						LD-18	LD-17	LD-16	LD-15	LD-14	LD-13	LD-12	LD-11	LD-10	LD-9	LD-8	LD-7		
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
500-1-2		PANERS, ARCHITECTURAL (ISOWALK)																131	
500-1-2		PERFORMANCE, SOD (ST. AUGUSTINE)																427	
500-1-1		SMALL PLANTS																1	
CL		Chrysanthemum leucum 'Red Tip' - Red Tip Chrysanthemum	#3 GAL, 1.5' x 1.5' x 2.5' OC	Y	4"													225	
CID		Chrysanthemum leucum 'Horizon' - Dwarf Chrysanthemum	#3 GAL, 2' x 1' x 1' OC	Y	2"													229	
CV		Coreopsis verticillata 'Vermilion' - Coreopsis	#3 GAL, 2' x 1' x 1' OC, 11/3 CORRESPOND, 2/3 NORMA PER MASS.	Y	4"													0	
DT		Dianthus barbatus 'Bicolor' - Dianthus	#3 GAL, 1.5' x 1.5' x 2' OC	N	1.8"													384	
FG		Ficus macrophylla 'Green Island' - Green Island Ficus	#3 GAL, 1.5' x 1.5' x 2' OC	N	3"													358	
JP		Jasminum polyanthum - Parasol Jasmine	#3 GAL, 1.5' x 1.5' x 2' OC	N	2"													278	
IV		Ilex verticillata 'States Dwarf' - Dwarf Yaupon Holly	#3 GAL, 2' x 1' x 1' OC	Y	2.4"													191	
PO		Poncirus microcarpa 'Purpurea' or 'New' - Dwarf Potted Citrus	#3 GAL, 1.5' x 1.5' x 2' OC	N	2"													165	
SAV		Scaevola taccada 'Tribute' - Dwarf Verticillate SandPine	#3 GAL, 1.5' x 1.5' x 2.5' OC	N	3.5"													80	
SB		Sorbus bairdii - Sand Dune Grass	#3 GAL, 1.5' x 1.5' x 2.5' OC	Y	3.8"													295	
TD		Triplaris discolorata - Florida Sand Grass	#3 GAL, 2' x 1' x 1' OC	Y	4"													80	
TRF		Triplaris floridana - Florida Sand Grass	#3 GAL, 2' x 1' x 1' OC	Y	3"													0	
500-1-2		LARGE PLANTS																1	
BN		Bismarckia nobilis - Bismarckia Palm	8' CT, SINGLE	N	NF													0	
BS		Bursera alata - Bursera Limbo	14' x 6' x 4' CAL, FULL	Y	NF													0	
CE		Cordia alliodora - Cordia Limbo	10' x 6' STANDARD	Y	NF													0	
LD		Livistonia decipiens - Ribbon Palm	8'-10' CT, SINGLE	N	NF													8	
PEA		Phoradendron elegans - Southern Palm	MIN 10' CT, SINGLE, MAX 4' CAL, WATCHED, SEE LS. NOTE #14	N	NF													12	
PHI		Phoenix dactyloides 'Med Joe' - Med Joe Date Palm	10' DN / 1' CT, MAX 18" CAL, SEE LS. NOTE #14	N	NF													2	
QV		Quercus virginiana - Live Oak	12'-14' CAL, 3" CAL, FULL, 5' CT	Y	NF													0	
SP		Sporobolus vaginatus - Sand Poinsettia	10' x 14' CT, 10' CT, 10' CT	Y	NF													0	
500-10		IRRIGATION SYSTEM																0	

LENDING: OC= ON CENTER, CT= CLEAR TRUNK, CAL= GALLON, MAX= MAXIMUM, MIN= MINIMUM, CAL= CALIPER, DN= DRY WOOD, NF= NO, Y= YES, LS= LANDSCAPE, STOS= STAGGERED, STOS= NATURAL FORM, DA= OVER ALL, SPDS= SPREAD

** WHERE SHRUBS AND GROUNDCOVERS ARE LOCATED WITHIN RIGHT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24" FROM ROADWAY GRADE AS SHOWN IN TYPICAL MEDIAN SECTION.

DATE		REVISIONS		DESCRIPTION		DATE		REVISIONS		DESCRIPTION	

Landscaping Authority of Broward County, Inc. (LABC) 400
 400 N. Broward Blvd., Suite 100
 Fort Lauderdale, FL 33304
 954-443-1100
 FAX 954-443-1101
 WWW.LABC.COM

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 7
 COUNTY BROWARD
 PROJECT ID 416878-1-52-01

TABULATION OF QUANTITIES
 / PLANT SCHEDULE

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TABULATION OF QUANTITIES / PLANT SCHEDULE

P&T ITEM NO.	SYM	DESCRIPTION	SIZE/REMARKS	NATURAL MAINTAINED UNIT	SHEET NUMBERS												TOTAL THIS SHEET	REF. SHEET
					LD-22			LD-23			LD-24			LD-25				
					PLAN	FINAL		PLAN	FINAL		PLAN	FINAL		PLAN	FINAL			
500-1-2		P&T, ARCHITECTURAL (SIDEWALK)			229	287		255	254		255	236		236	236		1,360	
500-1-2		PERFORMANCE SOD (ST. AUGUSTINE)			243	213		247	647		247	717		717	659		3,225	
500-1-1		SMALL PLANTS			60			95	80		80	95		95	285		285	
	CI	Chrysanthemum 'Red Tip' - Red Tip Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	CH	Chrysanthemum 'Red Tip' - Red Tip Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	CV	Cedrela 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	DI	Diandra 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	FS	Ficus 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	IN	Ipomoea 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	JP	Juncus 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	PD	Podocarpus 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	SW	Schefflera 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	SB	Scaevola 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	TD	Triplaris 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	TRP	Triplaris 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
		LARGE PLANTS			LS													
	BN	Banana 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	BS	Bursera 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	CEC	Cecropia 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	LD	Leucaena 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	PEA	Phaseolus 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	PH	Phoenix 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	QV	Quercus 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
	SP	Sabal 'Horse' - Horse Coccoloba	#3 GAL, 1.5' x 1.5', 2.5' OC	Y	4'													
500-1-2		IRRIGATION SYSTEM			LS													

LEADER: OC = ON CENTER, CT = CLEAR TRUNK, GAL = GALLON, MAX = MAXIMUM, MIN = MINIMUM, CAL = CALIPER, GW = GREY WOOD, H = NO, Y = YES, LS = LANDSCAPE, STGB = STAGGERED, NF = NATURAL FIRM, DA = OVER ALL, SPGD = SPREAD
AND WHERE SHROUBS AND GROUNDCOVERS ARE LOCATED WITHIN SHOT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24 FEET FROM ROADWAY GRADE AS SHOWN IN TYPICAL MEDIAN SECTION.

DATE	DESCRIPTION	REVISIONS	DATE	DATE	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD PROJECT NO. 416578-1-52-01	SHEET NO. 10	LD-4
TABULATION OF QUANTITIES / PLANT SCHEDULE							

LETSIDE: CC = ON CENTER, CT = CLEAR TRUNK, GAE = GALLON, MAX = MAXIMUM, MIN = MINIMUM, CAL = CALIPER, GW = GROSS WEIGHT, STGP = STAGGERED, NP = NATURAL FORM, DA = OVER ALL SPREAD
WHERE SHRUBS AND GROUNDCOVERS ARE LOCATED WITHIN SIGHT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24" FROM ROWWAY GRADE AS SHOWN IN TYPICAL MEDIAN SECTION.

Cotleur Hearing
6934 Commerce Lane Suite 1
Austin, Texas 78753
502-76-6336 Fax 502-76-0377
Cotleur, at Austin, TX 78753
Working at Austin, TX 78753

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	41587R-1-52-01

TABULATION OF QUANTITIES
/ PLANT SCHEDULE

SHEET
NO. 10-1

TABULATION OF QUANTITIES / PLANT SCHEDULE

[illegible]

LEVEDO: OC = ON CENTER, CT = CLEAR TRUNK, CAL = GALLON, MAX = MAXIMUM, MIN = MINIMUM, CAL = CALIPER, GR = GREY WOOD, N = NO, Y = YES, LS = LANDSCAPE, STOS = STAGES, NF = NATURAL FORM, DA = OVER ALL, SPQD = SPREAD

[illegible]

FOR FURTHER INFORMATION CONTACT: 1-800-451-7234 / 202-451-7234

TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	SW	DESCRIPTION	SIZE/REMARKS	NATIVE	MAXIMUM MAINTAINED SIZE	SHEET NUMBERS												TOTAL THIS SHEET	GRAND TOTAL	REF. SHEET
						LD-34	LD-35	LD-36	LD-37	LD-38	LD-39	LD-40	LD-41	LD-42	LD-43	LD-44	LD-45			
505-1-2		PAVERS, ARCHITECTURAL (SEMI-GLAZED) - INCLUDING CONCRETE RETAINING CURB																		
570-1-2		PERFORMANCE 500 (ST. AUGUSTINE)																		
580-1-1		SMALL PLANTS																		
	C1	Chrysanthemum 'Red Tip' - Red Tip Coccinea	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	4'	100	100	100	100	100	100	100	100	100	100	100	100	853	3,707	
	C1D	Chrysanthemum 'Red Tip' - Red Tip Coccinea	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	4'	100	100	100	100	100	100	100	100	100	100	100	100	849	6,979	
	C1V	Chrysanthemum 'Red Tip' - Red Tip Coccinea	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	4'	100	100	100	100	100	100	100	100	100	100	100	100	845	1,855	
	DT	Dianella 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	1.5'													0	860	
	FG	Ficus macrocarpa 'Green Island' - Green Island Ficus	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	3'	60	60	60	60	60	60	60	60	60	60	60	60	166	1,357	
	JP	Juncus macrocarpa 'Green Island' - Green Island Ficus	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	3'	60	60	60	60	60	60	60	60	60	60	60	60	201	1,330	
	IV	Impatiens 'Shades of Blue' - Shades of Blue	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	2.4'	50	50	50	50	50	50	50	50	50	50	50	50	187	778	
	PD	Podocarpus 'Nana' - Dwarf Podocarpus	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	2'	60	60	60	60	60	60	60	60	60	60	60	60	275	1,547	
	SAV	Scaevola 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	3.5'	60	60	60	60	60	60	60	60	60	60	60	60	399	769	
	SB	Scaevola 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	3.8'	60	60	60	60	60	60	60	60	60	60	60	60	485	1,679	
	TD	Triplaris 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	4'	60	60	60	60	60	60	60	60	60	60	60	60	590	2,420	
	TRF	Triplaris 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	3'	60	60	60	60	60	60	60	60	60	60	60	60	127	1,531	
	500-1-2	LARGE PLANTS																1	1,469	
	BN	Blechnum 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	1.5'													10	19	
	BS	Bursera 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	1.5'													12	18	
	CE	Ceanothus 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	1.5'													3	9	
	LD	Lonicera 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	1.5'													0	27	
	PEA	Photinia 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	1.5'													3	45	
	PHU	Photinia 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	N	1.5'													0	6	
	OV	Olea 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	1.5'													3	33	
	SP	Solid 'Blueberry Flax Lily'	#3 GAL. 1.5' x 1.5' x 2.5' OC	Y	1.5'													35	35	

LEGEND: OC = ON CENTER, CT = CLEAR TRUNK, GAL = GALLON, MAX = MAXIMUM, MIN = MINIMUM, CAL = CALIPER, CM = CENTIMETER, STAG = STAGGERED, NF = NATURAL FORM, DM = OVER ALL, SPWD = SPREAD
 == WHERE SHRUBS AND GROUNDCOVERS ARE LOCATED WITHIN SIGHT TRIANGLES, THE MAXIMUM MAINTAINED HEIGHT SHALL BE 24" FROM ROADWAY GROOVE AS SHOWN IN TYPICAL MEDIAN SECTION.

DATE		REVISIONS		DESCRIPTION		DATE	

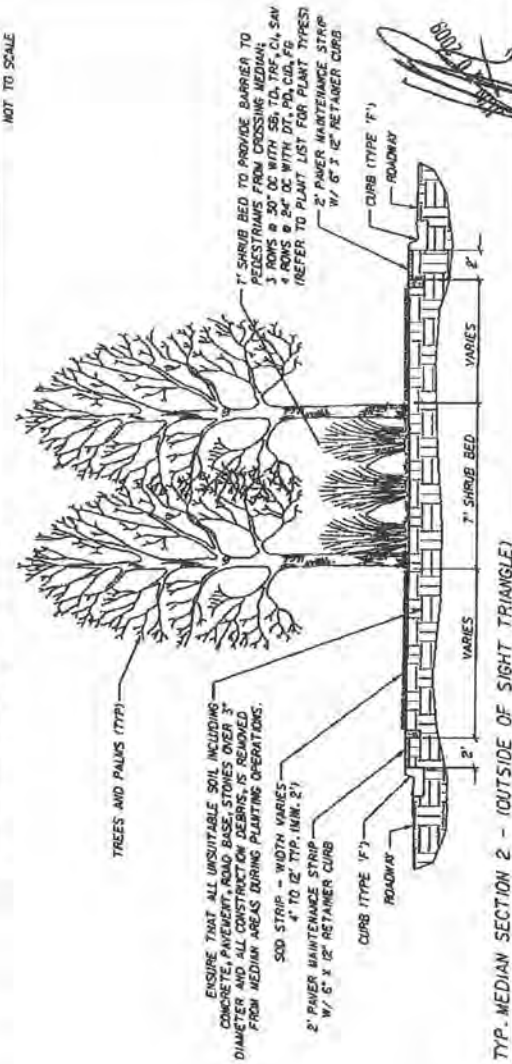
EXISTING PLANT LEGEND:

EXISTING VEGETATION WITHIN THE MEDIAN THAT IS NOT SHOWN ON THE LANDSCAPE PLANS SHALL BE REMOVED.
SEE GENERAL NOTE AB, SHEET LD-7.

SHRUBS		PALMS / TREES	
CI	COCCOPLUM	CE	GREEN BUTTWOOD
DJ	DURANTA	CS	SLIVER
II	MOBA	CS	SLIVER
ED	PODOPHYLL	PE	OLIVER STANDARD
ED	PODOPHYLL	PE	SLASH PINE
SAV	VAR. NORTON	PHM	MEDJOL DATE PALM
TRF	VAR. SCITIFERA	PA	MEJOL DATE PALM
Y5	FL GAMA GRASS	QV	LIVE OAK
Y5	VIBURNUM	WB	WANDERER
ZW	CARDONARD PALM	WB	SCOTCH PALM
		WB	FOXTAIL PALM
		WB	WASHINGTON PALM

NOTE: ALL STAKING TO BE IN ACCORDANCE WITH INDEX #544

NOTE: OPEN CANOPIES ON DAY OF INSTALLATION



TYP. MEDIAN SECTION 2 - (OUTSIDE OF SIGHT TRIANGLE)

NOT TO SCALE

[illegible]

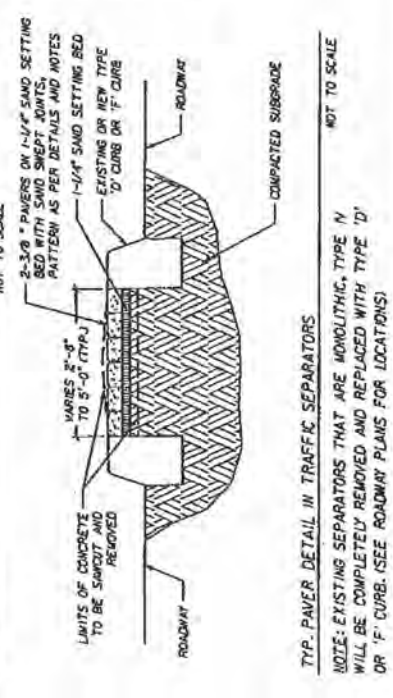
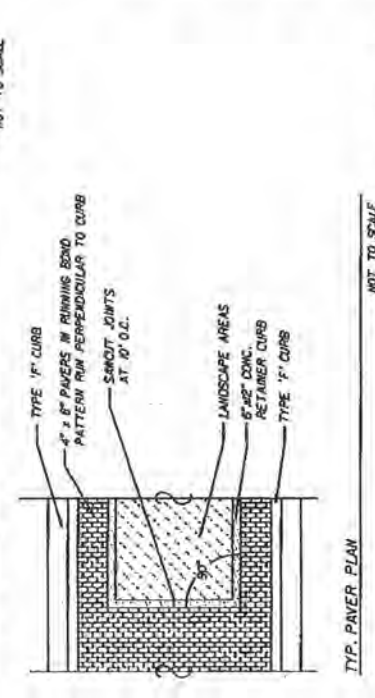
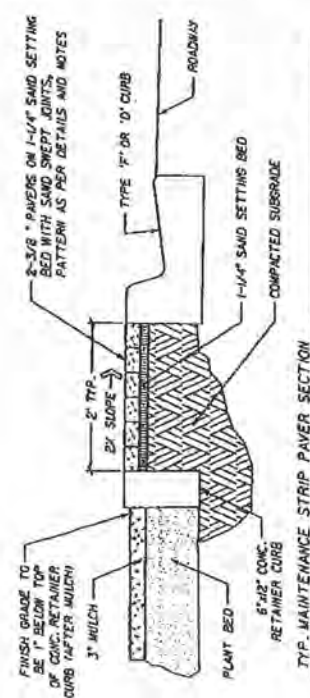
Landscapes Architect & Planner: Robert J. Diller, RLA, AICP
Codeur Hearing
 834 Commerce Lane Suite 1
 Austin, TX 78704 37-68
 501-761-6335 Fax 501-761-4377
 Corp. of Austin, TX 78702-29
 Project No. 83-000204

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	BROWARD	416878-1-52-01

LANDSCAPE DETAILS

NO.
SHEETS

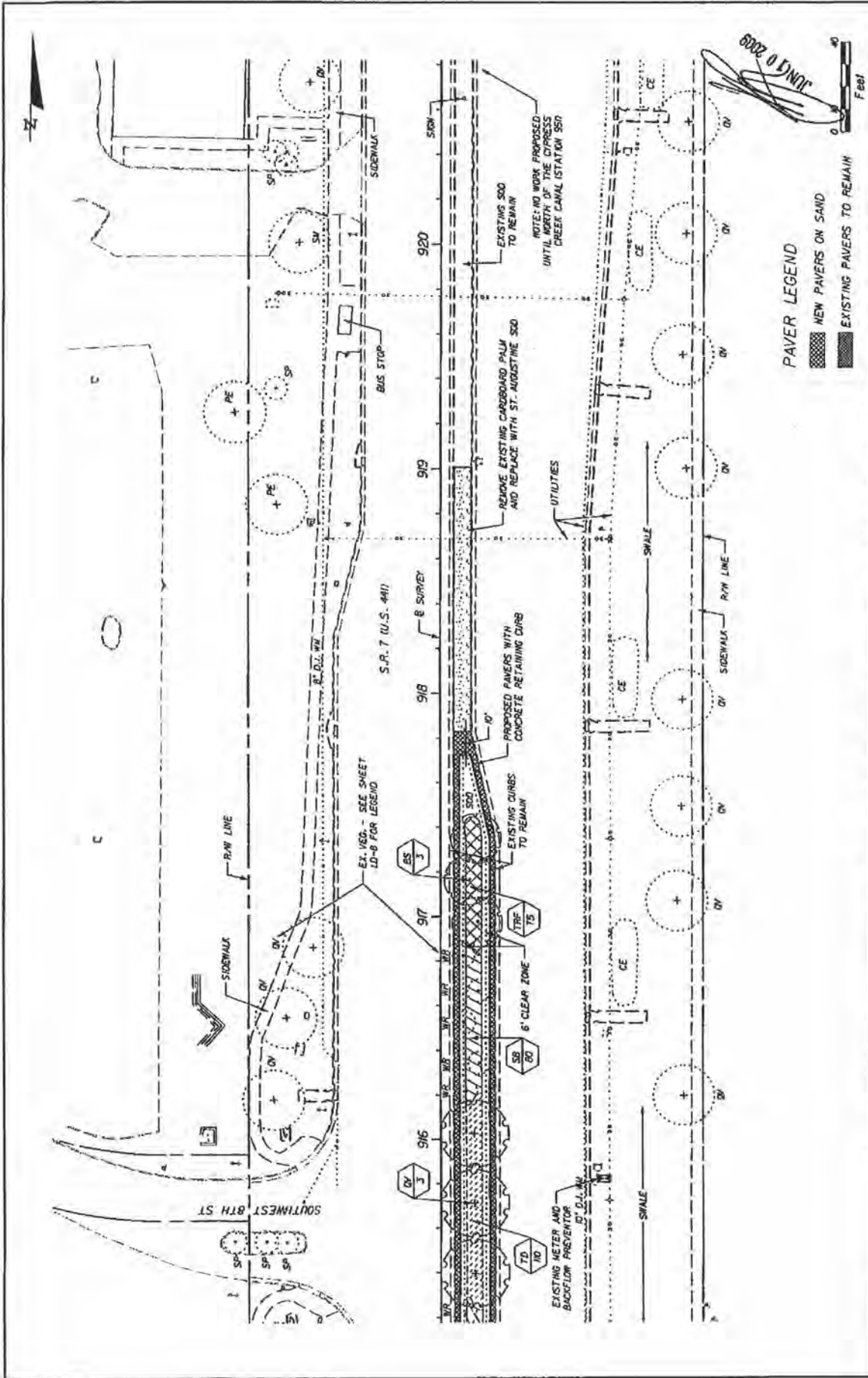
LD-8



- PAVER GENERAL NOTES:**
- THESE PAVER NOTES AND DETAILS ONLY APPLY TO PAVERS WITHIN MEDIAN AREAS.
 - PAVER WORK SHALL COMPLY WITH SECTION 506 OF THE FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2008 EDITION.
 - THE CONTRACTOR SHALL VISIT THE SITE TO ACQUAINT HIMSELF WITH EXISTING CONDITIONS AND INSURE THAT ALL RELATED WORK BY OTHER SUBCONTRACTORS HAS BEEN COMPLETED AND ACCEPTED BY THE ENGINEER. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE PROPOSED WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY BEFORE BEGINNING ANY WORK.
 - PROTECT ALL EXISTING SITE IMPROVEMENTS SPECIFIED TO REMAIN DURING ALL PHASES OF CONSTRUCTION. ANY SITE IMPROVEMENTS THAT ARE DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, WITH A NEW ITEM IDENTICAL TO THE DAMAGED ITEM.
 - REMOVE EXISTING VEGETATION TO INCLUDE SOIL, SHRUBS AND BROADLEAF TREES, AND EXCAVATE SOIL TO APPROXIMATELY 4" BELOW TOP OF CURB BEFORE BEGINNING WORK. LEVEL AND COMPACT SUBGRADE AND PREPARE FOR PAVERS. ALL DEBRIS RESULTING FROM EXCAVATION SHALL BE REMOVED FROM THE SITE AND DISPOSED IN A LEGAL LANDFILL OR DUMPING SITE. STOCK PILING AREAS MUST BE APPROVED BY THE ENGINEER.
 - VERIFY THAT ALL IRRIGATION SYSTEM WORK HAS BEEN COMPLETED AND THAT SLEEVES, AS NECESSARY, ARE INSTALLED AS PER PLANS BEFORE BEGINNING WORK.
 - INSTALL SOLID INTERLOCKING PAVERS, ASTM DESIGNATION C536-02 MANUFACTURED BY:
 - 1) PAVER SYSTEMS
 - 785 INTERPACE RD.
 - WEST PALM BEACH, FL 33407
 - 2) APPROVED EQUAL
 - A PAVES TYPE IS "HOLLAND STONE" SET IN A RUNNING BOND PATTERN AS SHOWN IN DETAILS. PAVER COLOR SHALL BE SOLID AND MATCH EXACTLY THE STANDARD COLOR OF "HARVEST BLOND" IS MANUFACTURED BY PAVER SYSTEMS, INC. SUBMIT TYPICAL PAVER SAMPLES TO THE ENGINEER AND CITY OF BARGATE REPRESENTATIVE TO OBTAIN DOCUMENTED APPROVAL BEFORE INSTALLING ANY PAVERS.
 - PAVERS SHALL BE INSTALLED ON A SAND LEVELING BED OVER SUBGRADE COMPACTED TO OF SIX WAX DENSITY AS PER AASHTO T-99. PAVER SHALL BE 4" x 8" x 2-3/8" WITH JOINTS Laid OUT IN A RUNNING BOND PATTERN, AS INDICATED ON THE PAVER DETAILS SHEET AND ADDITIONALLY AS FOLLOWS:
 - C PAVES JOINTS SHALL BE SET AT 90 DEGREES AS SHOWN ON LAYOUT DETAILS, UNLESS OTHERWISE NOTED ON PLANS.
 - D PAVERS SHALL BE PLACED ON BEDDING COURSE OF SHARP, NORMAL WEIGHT SCREENING OR CONCRETE SAND, TO A UNIFORM DEPTH NOT TO EXCEED 1-1/2".
 - E PAVERS SHALL BE TAMPED WITH A MECHANICAL COMPACTOR UNTIL UNIFORM LEVEL OR TRUE TO SPECIFIED GRADES (SEE LAYOUT DETAILS). USE A LOW VIBRATING VIBRATOR CAPABLE OF 500 FOOT POUNDS TO VIBRATE AND COMPACT PAVERS INTO THE BEDDING SAND. VIBRATE THE PAVERS, SWEEPING DRY SAND INTO THE JOINTS AND VIBRATING UNTIL FULL. DO NOT VIBRATE WITHIN 3" OF THE UNRESTRAINED EDGES OF THE PAVERS.
 - F AS NECESSARY, CUT PAVERS WITH AN APPROVED CUTTER TO FIT ACCURATELY, NEATLY AND WITHOUT DAMAGED EDGES.
 - G FILL JOINTS WITH SAND.
 - H JOINTS BETWEEN PAVERS ON AVERAGE WILL BE BETWEEN 1/8" TO 3/16" WIDE; ALSO LEAVE A FINAL SURFACE ELEVATION OF PAVERS OF 1/8" TO 1/4" ABOVE ADJACENT DRAINAGE INLETS, CONCRETE COLLARS OR CHANNELS. DO NOT ALLOW FINAL SURFACE ELEVATIONS TO EXCEED 3/8" DEVIATION UNDER A 10' STRAIGHT EDGE.
 - I AT THE END OF EACH DAY, ALL WORK WITHIN 3" OF LAYING FACE MUST BE LEFT FULLY COMPACTED WITH SAND FILLED JOINTS.
 - J PAVERS SHALL UTILIZE EXISTING CURB FOR RETAINER ON ALL SIDES WHERE PAVERS ABUT CURB. A CONCRETE RETAINER CURB SET FLUSH WITH THE TOP OF PAVERS SHALL BE INSTALLED BETWEEN PAVERS AND ALL PLANT BEDS AS INDICATED ON THE PLANS. RETAINER CURB SHALL CONFORM TO SECTION 500 OF THE SPECIFICATIONS.
 - K ALL AREAS OF INTERLOCKING PAVERS SHALL DRAIN AND AT NO TIME SHALL ANY WATER STAND ON PAVES AREAS.
 - L LOCATIONS OF TRAFFIC SIGNS, SCHOOL SIGNS, AND GENERAL INFORMATION SIGNS SHALL NOT BE AFFECTED BY PROPOSED PAVER INSTALLATION. REPAIR OR REPLACE ANY SIGNS THAT ARE MOVED OR DAMAGED DURING INSTALLATION OF THIS WORK.

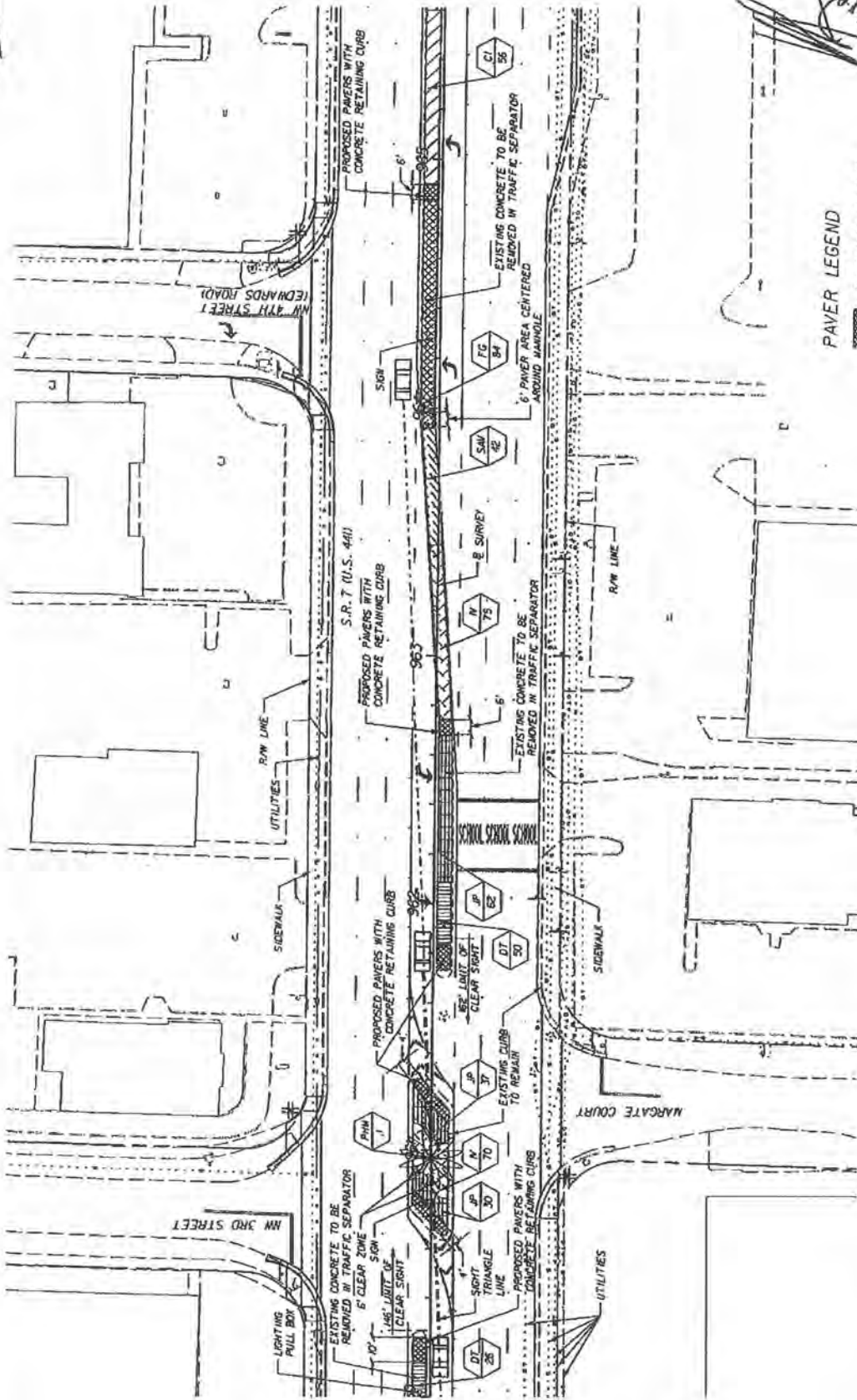
JUN 10 2009

PAVER DETAILS		SHEET NO. LD-9
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO. 7	COUNTY BROWARD	FINANCIAL PROJECT ID 416878-1-52-01
LICENSEE: Andrew J. Doherty, P.E., No. 10000 Seal: [Seal]		
PROJECT: 416878-1-52-01 DATE: 06-10-2009 DRAWN BY: JLD		
TABLE	REVISIONS	DESCRIPTION
BY	DATE	BY



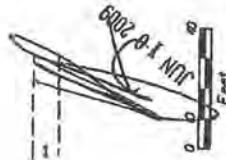
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COUNTY		FINANCIAL PROJECT ID		COURT REPORTING	
ROAD NO.		7		DATE: 10/15/2023	
CITY		BROWARD		DRAWN BY: J. O'BRIEN	
PROJECT NO.		416578-1-52-01		CHECKED BY: J. O'BRIEN	
SHEET NO.		LD-11		DATE: 10/15/2023	



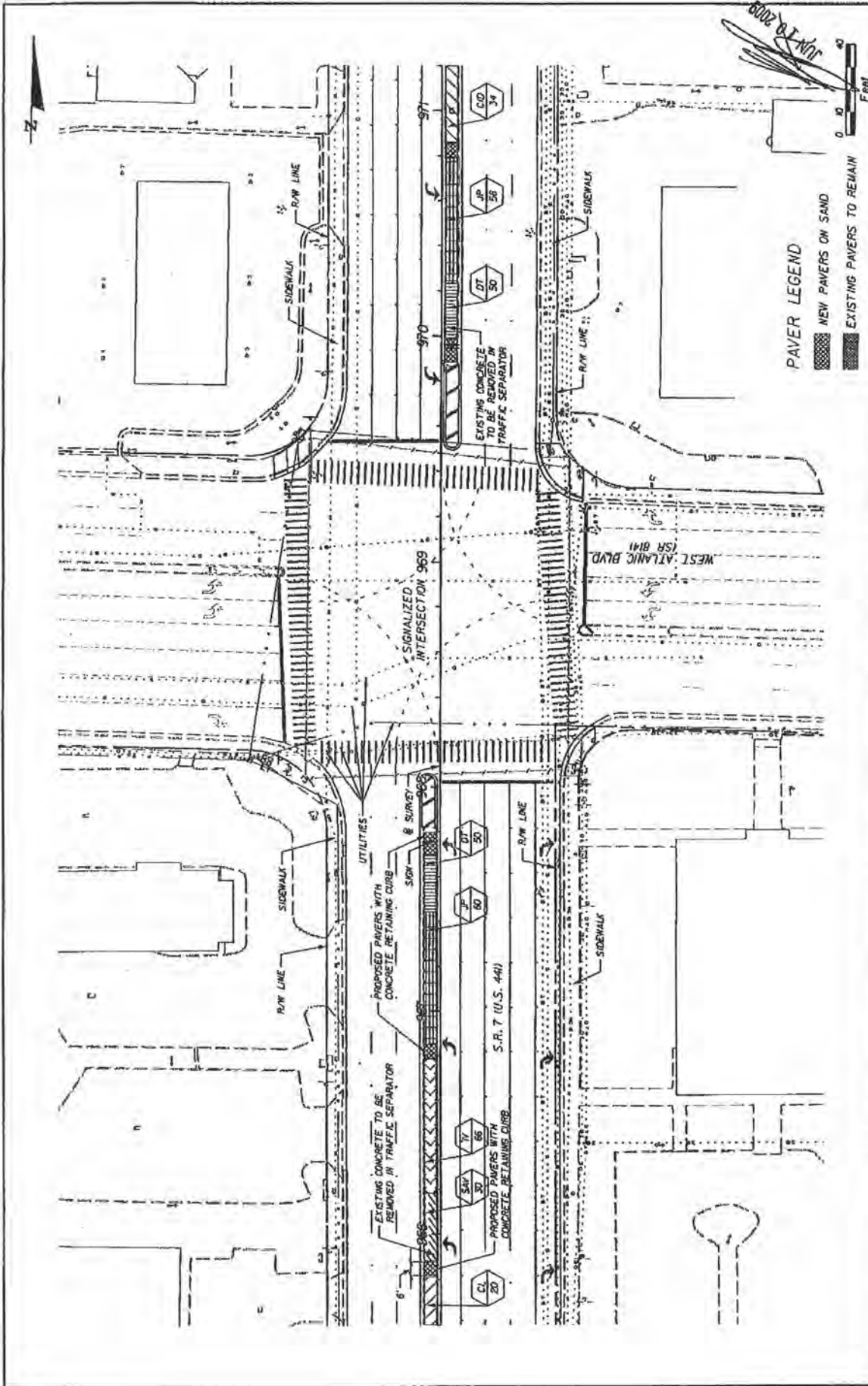


PAVER LEGEND

- NEW PAVERS ON SAND
- EXISTING PAVERS TO REMAIN

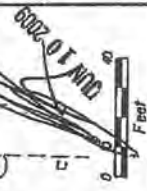
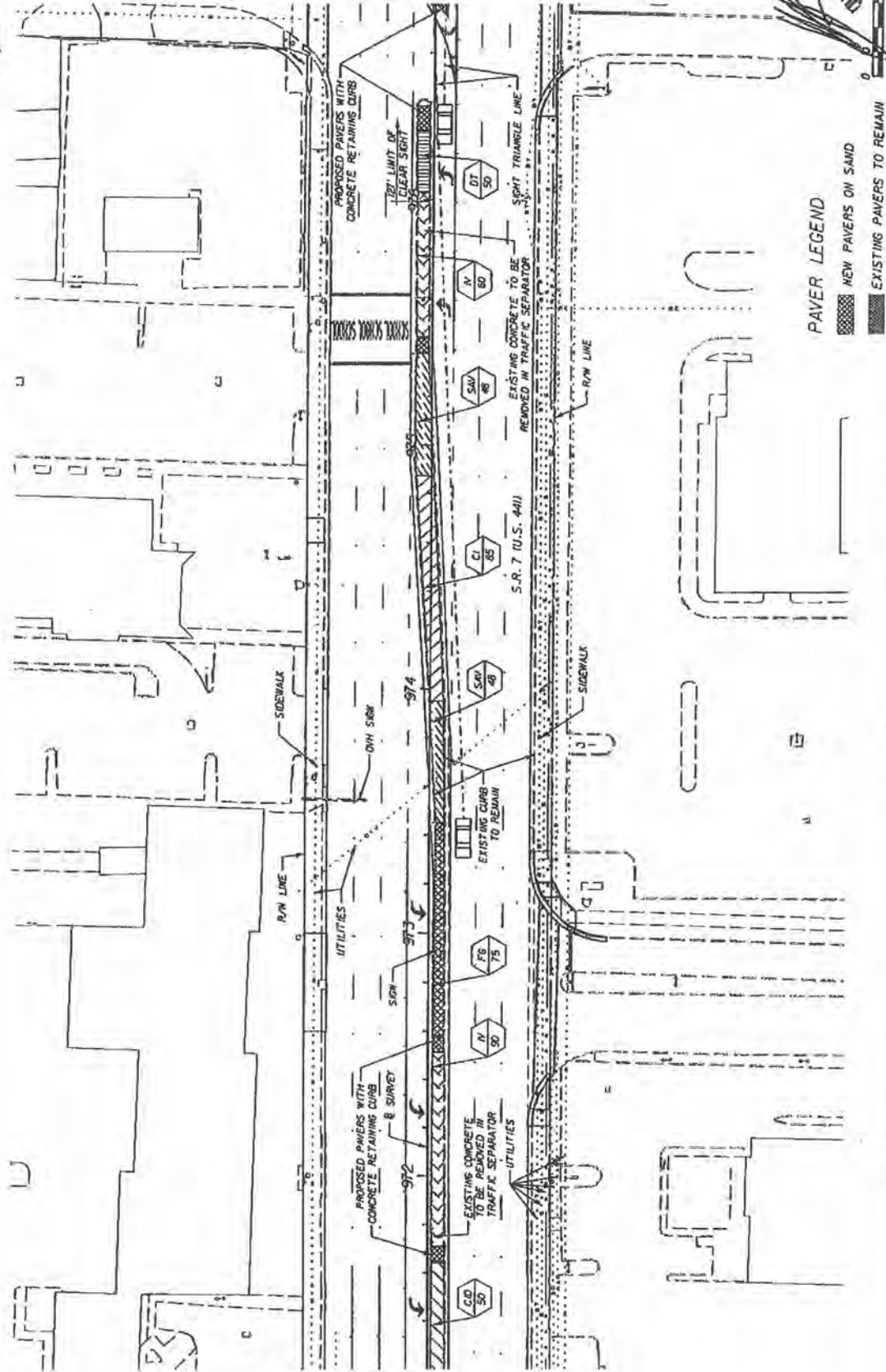


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						ROAD NO.	7	COUNTY	BROWARD	FINANCIAL PROJECT ID	416278-1-52-01



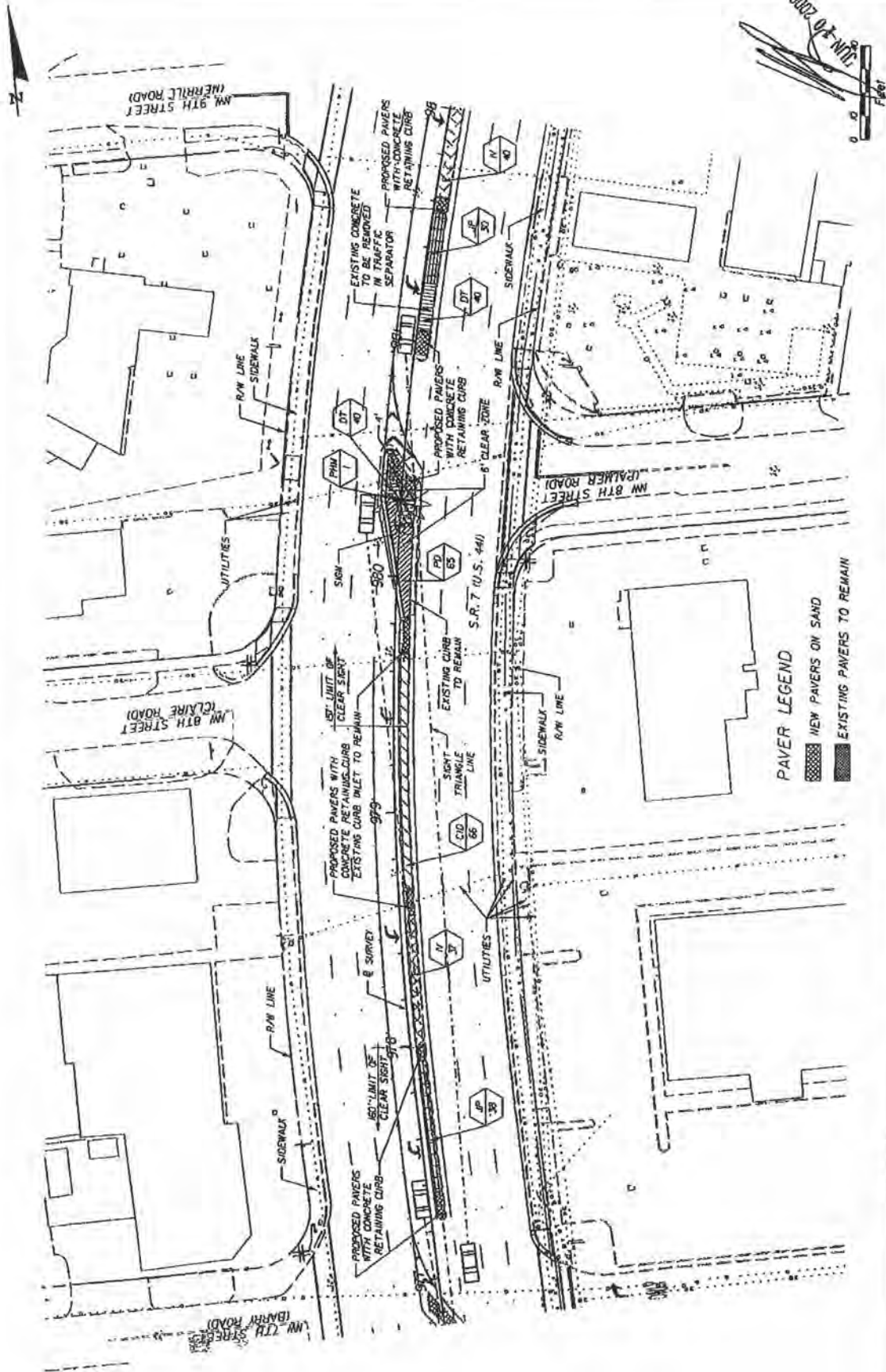
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ROAD NO. 7		COUNTY BROWARD		PROJECT NO. 416578-1-52-01	
DATE 		REVISIONS 		DESCRIPTION 	
DATE 		REVISIONS 		DESCRIPTION 	
DATE 		REVISIONS 		DESCRIPTION 	

LANDSCAPE ARCHITECT OF RECORD: NORTON & ASSOCIATES, INC., 1000 N. W. 10th Ave., Suite 1000, Fort Lauderdale, FL 33304
 PROJECT NO. 416578-1-52-01
 DATE: 4/10/2008
 DRAWN BY: J. J. JONES
 CHECKED BY: J. J. JONES
 APPROVED BY: J. J. JONES

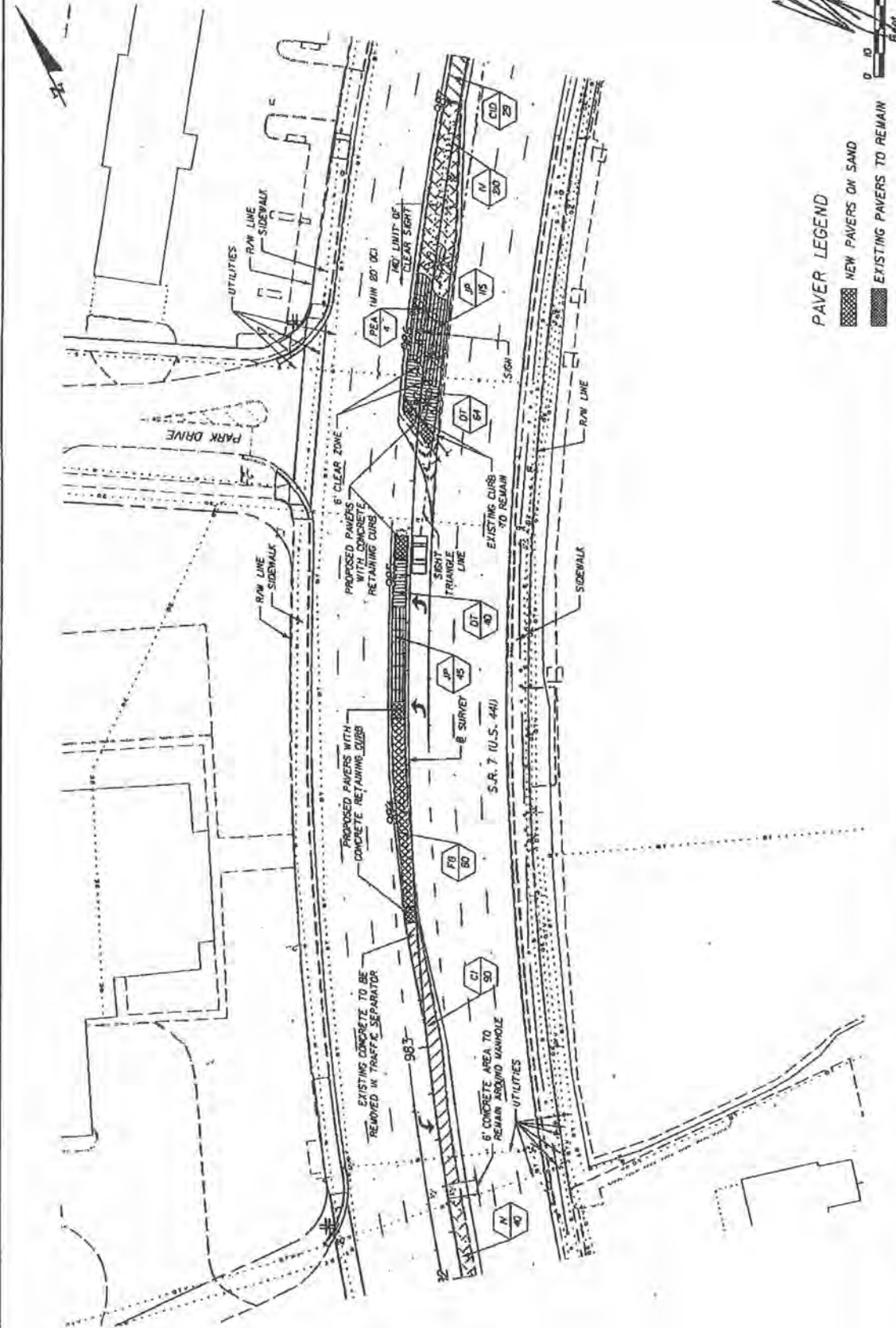


PAVER LEGEND
NEW PAVERS ON SAND
EXISTING PAVERS TO REMAIN

REVISIONS		STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-16
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				Landscape Architect of Record: Robert A. Quaker, P.L.C. 0053				
				Codeur Hearing				
				0211-000000-000-0000-				

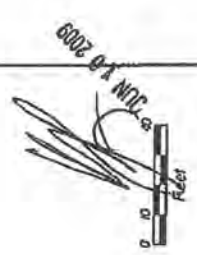


DATE		REVISIONS		APPROVED BY:  Cotéur Hearing 654 Commerce Lane, Suite 1 Boca Raton, FL 33433 Phone: 561-991-19-377 Cell: 408.11-000028 Vendor ID: ES-207104	STATES OF FLORIDA		LANDSCAPE PLAN	SHEET NO.
DESCRIPTION		DATE			DEPARTMENT OF TRANSPORTATION			
					FINANCIAL PROJECT ID			
					ROAD NO.			
				COURT		7		416878-1-52-01
				BROWARD				
								LD-17



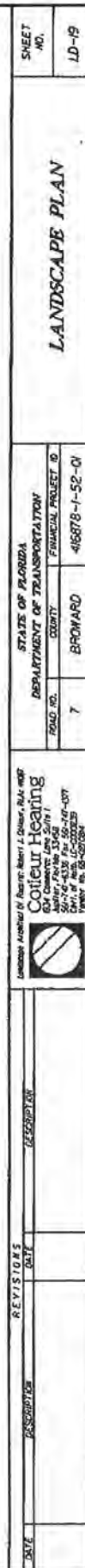
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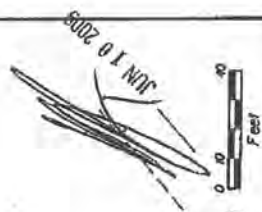
- NEW PAVERS ON SAND
- EXISTING PAVERS TO REMAIN



DATE DESCRIPTION REVISIONS		DATE DESCRIPTION REVISIONS		DATE DESCRIPTION REVISIONS	
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Landmark Architect of Record: Robert J. Oliver, P.E., F.A.S. #0057
 Civil Engineer License No. 1
 State of Florida License No. 1
 State of Florida License No. 1
 State of Florida License No. 1
 State of Florida License No. 1



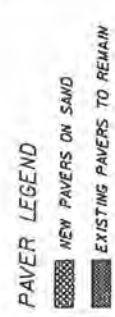


NEW PAVERS ON SAND

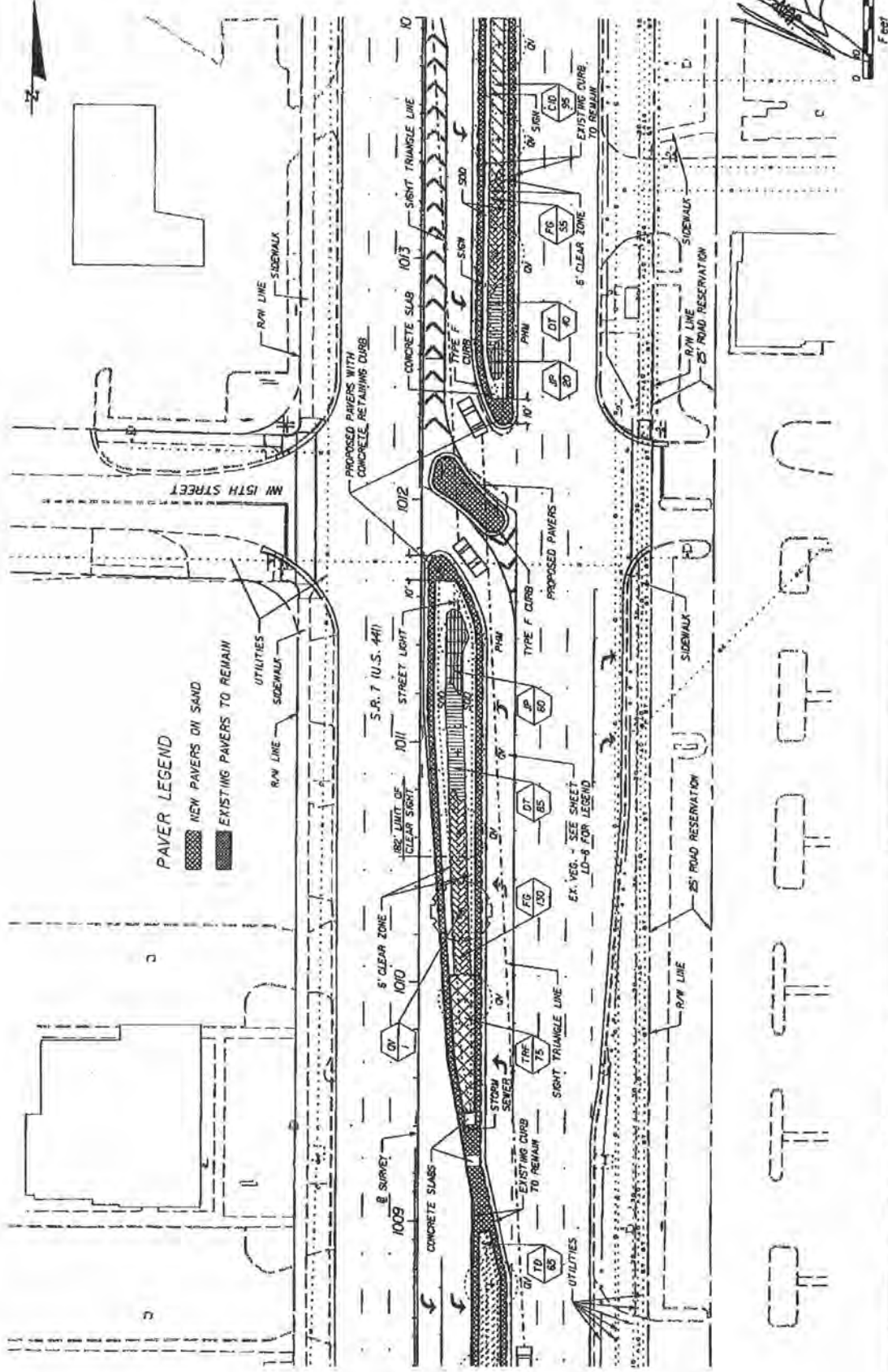
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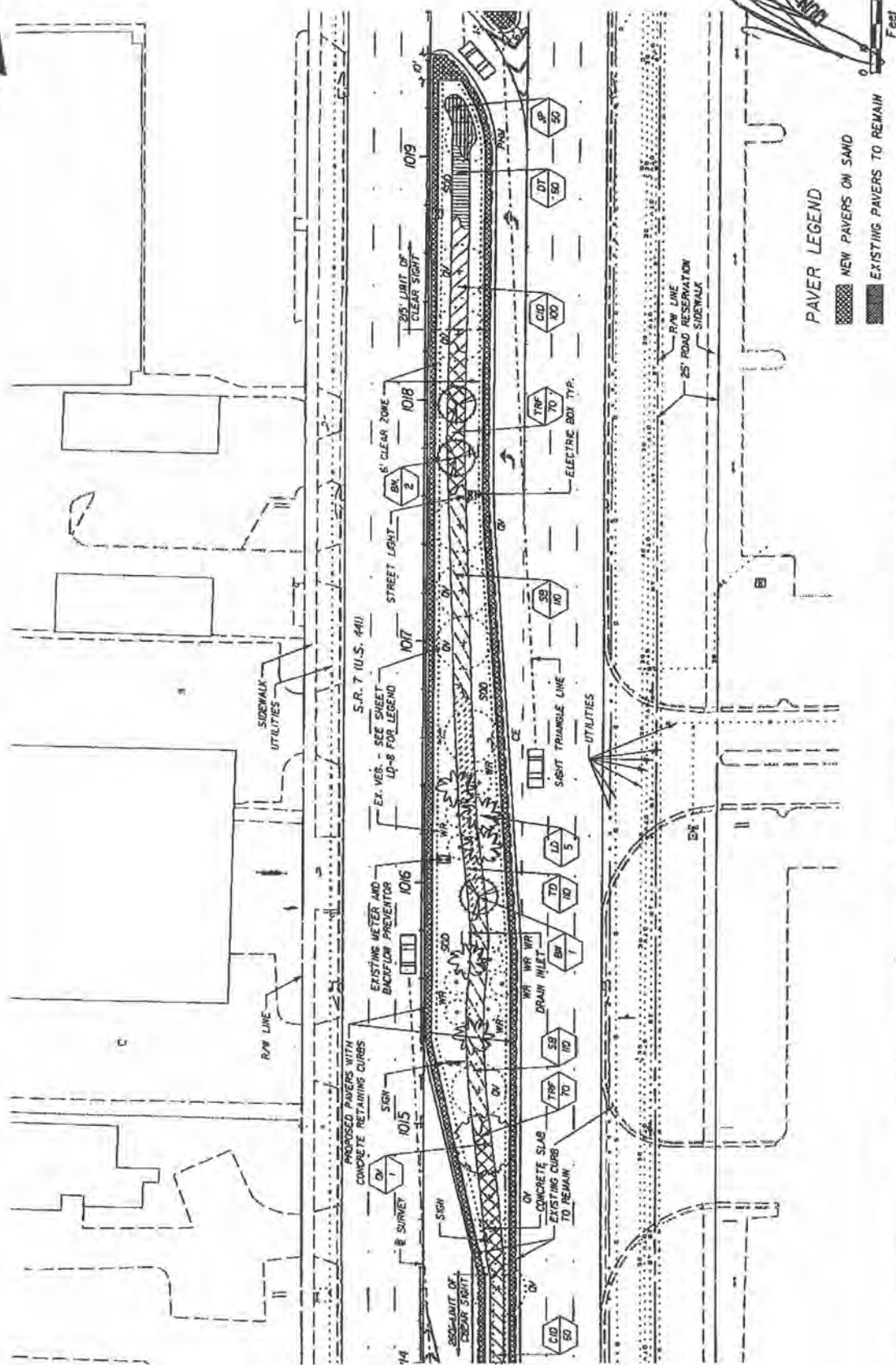
LANDSCAPE ARCHITECT OF RECORD: Robert J. O'Leary, P.L.C. #68 		LANDSCAPE ARCHITECT OF RECORD: Robert J. O'Leary, P.L.C. #68 454 Commerce Lane Suite 1 Springfield, MA 01103 Tel: 413-262-7477 Fax: 413-262-7477 E-mail: rjoleary@robertjoleary.com Project No. 05-207004		LANDSCAPE PLAN SHEET NO. LD-20
REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
DATE	DESCRIPTION	ROAD NO.	QUANTITY	
		7	BROWARD	415278-1-52-01



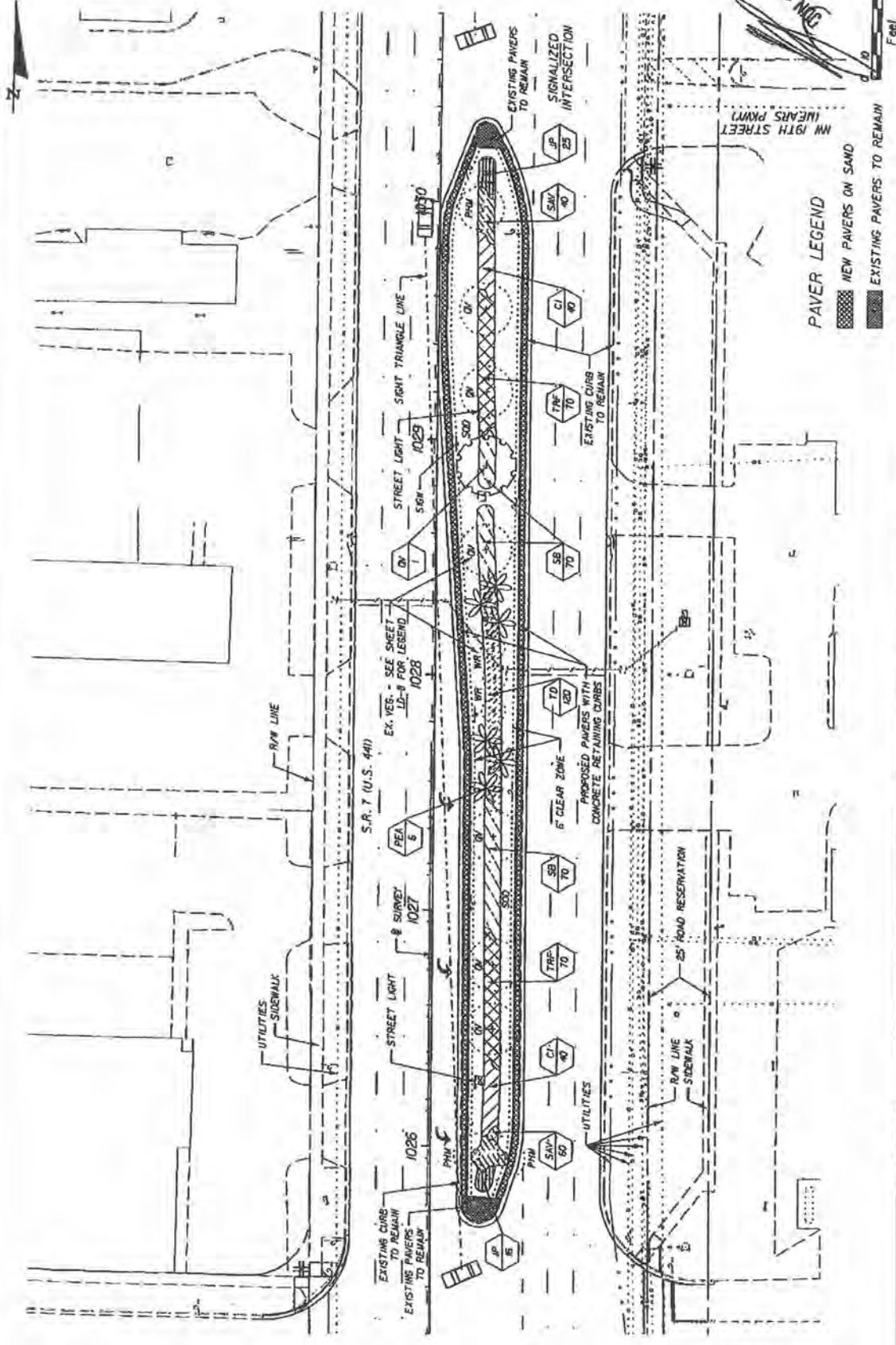
DATE	RECEIVED BY	DATE	RECEIVED BY	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. <u>7</u> COUNTY <u>BROWARD</u> FINANCIAL PROJECT ID <u>416878-1-52-01</u> Colleur Hearing  LANDSCAPE ARCHITECT OF PUBLIC WORKS, A. Dallara, RMA 4057 654 Commerce Lane, Suite 1 Jupiter, Florida 33463 (407) 744-4326 Fax (407) 744-4325 E-mail: dallara@colleur.com Vendor No. 65-467004	LANDSCAPE PLAN SHEET NO. <u>LD-22</u>
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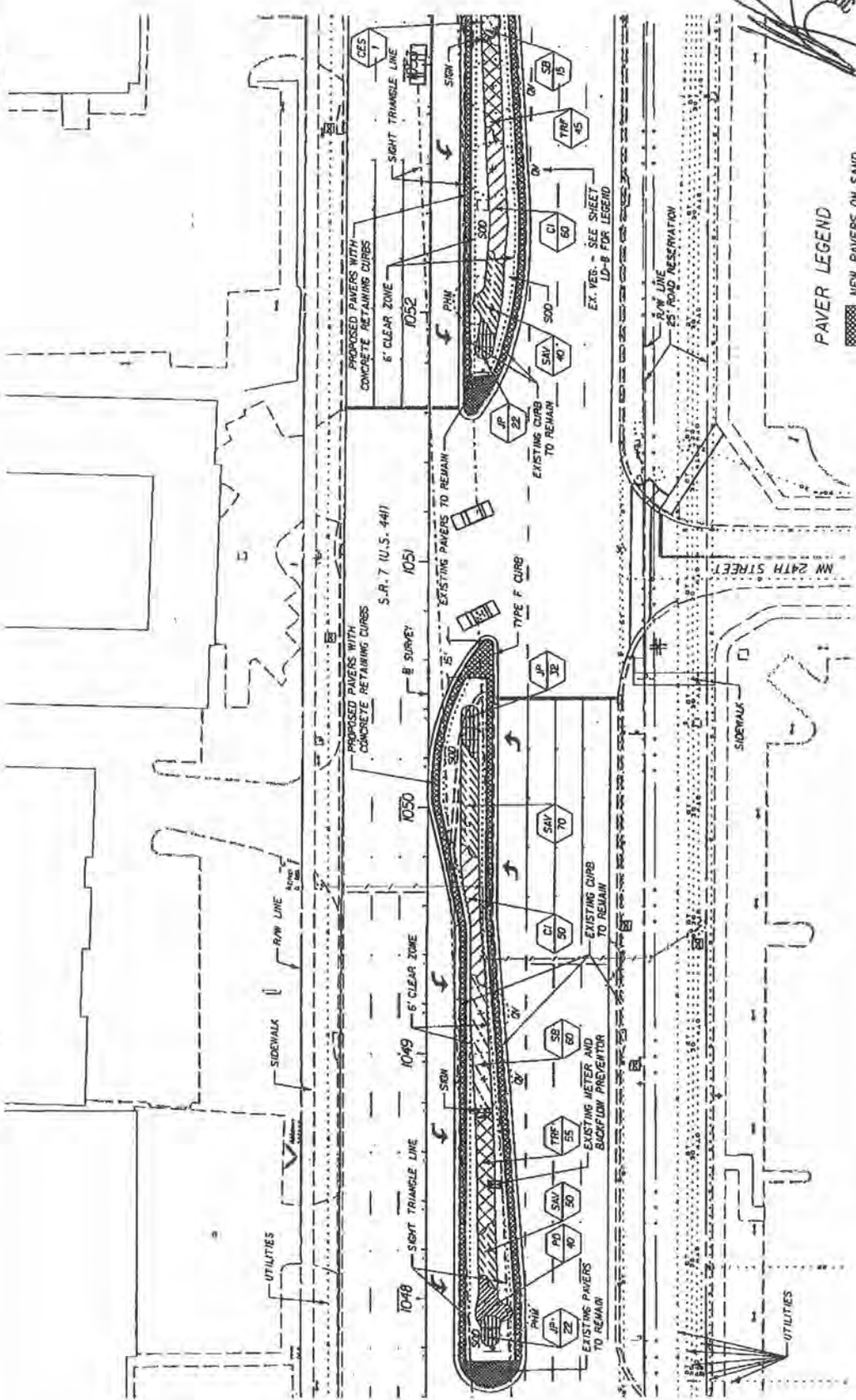
DATE		REVISIONS		DESCRIPTION		DATE	



DATE		DESCRIPTION		REVISIONS		License Certificate Of: Colville Heating, L.L.C., License No. 12-000028 Colville Heating 854 Commerce Lane, Suite 1 Naples, Florida 34105 Phone: 239-445-1077 Fax: 239-445-1077 City of Naples, FL 34105 Validity: No. 12-000028 		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN		SHEET NO. LD-24
								ROAD NO.		COUNTY	FISCAL PROJECT ID	
								7		BROWARD	416378-1-SF-01	



DATE		DESCRIPTION		REVISIONS		DATE		DATE	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FRANCHISE PROJECT ID 46878-1-52-01 PROJECT NO. 46878-1-52-01									
LANDSCAPE PLAN SHEET NO. LD-25 10/10/2009 10:00 AM									



PAVER LEGEND

NEW PAVERS ON SAND

EXISTING PAVERS TO REMAIN

Feel

SHEET NO.

LANDSCAPE PLAN

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
C.	COUNTY	FINANCIAL PROJECT ID
	BROWARD	416878-1-52-01

Coteleur Hearing
834 Commerce Lane Suite 1
Aurifer, Florida 33458
352-747-6336 Fax 352-747-4377
Coteleur, Inc. 352-747-6336
www.coteleur.com

REVISIONS	
DESCRIPTION	DATE

REVISIONS

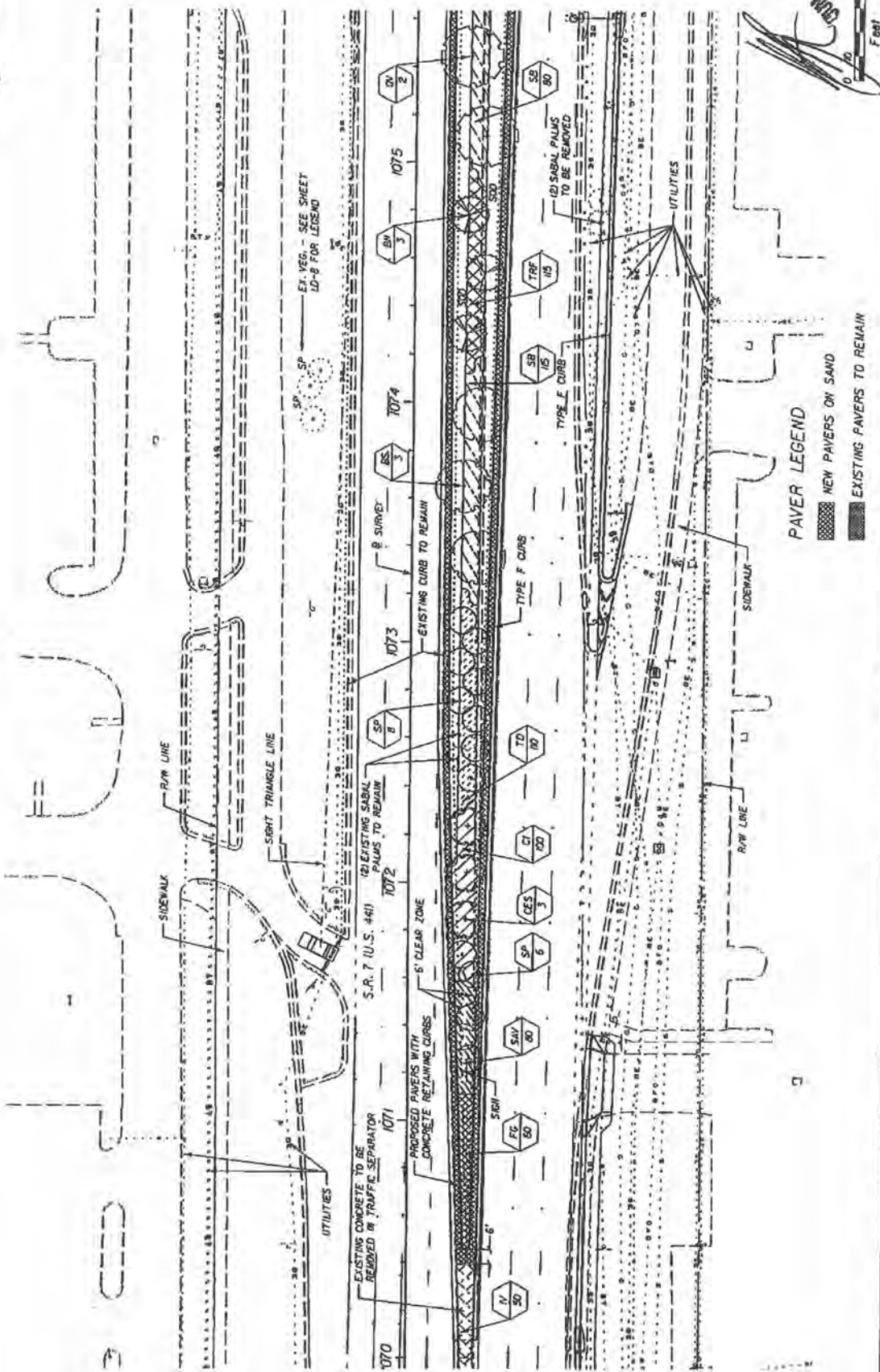
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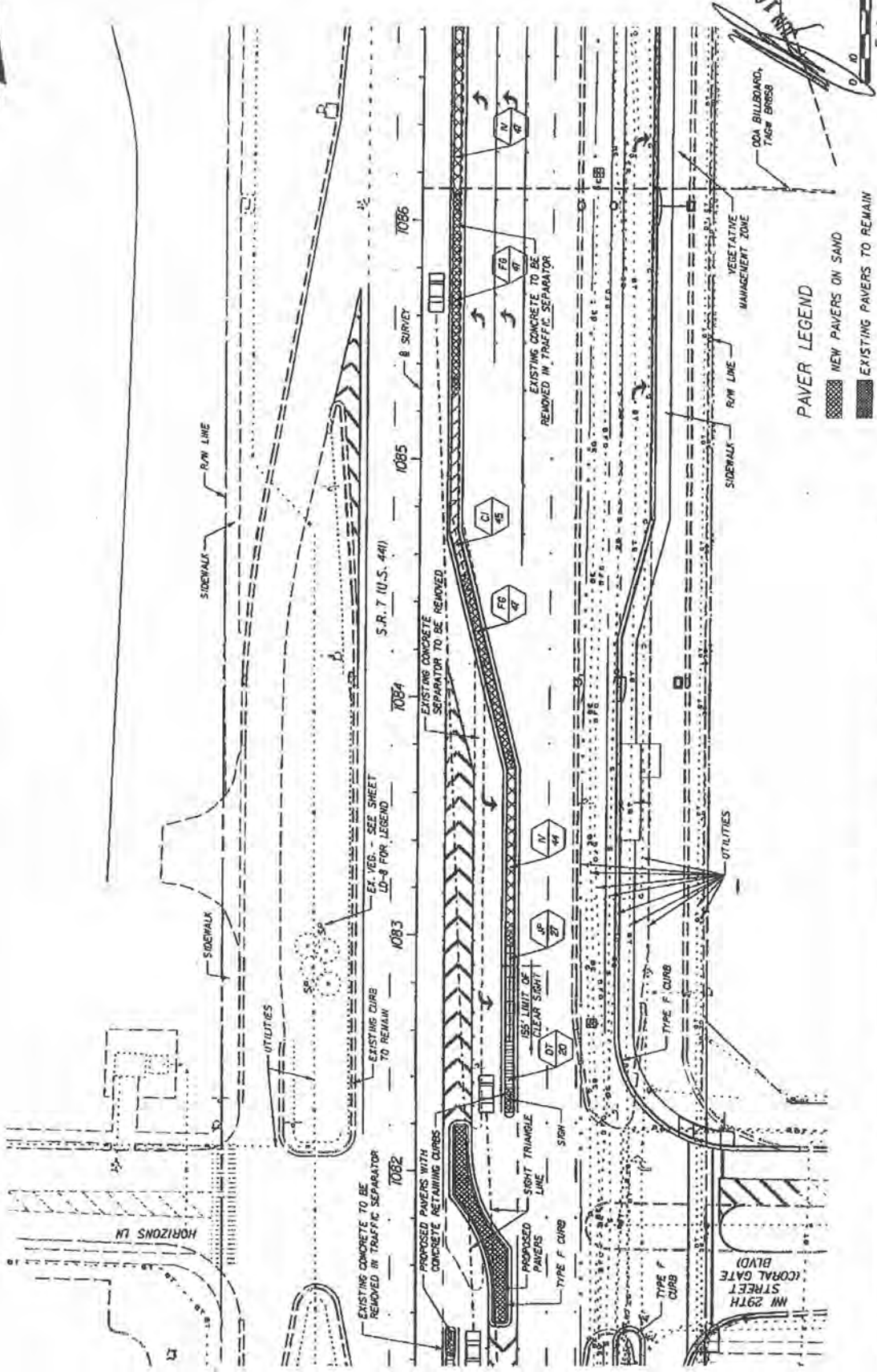
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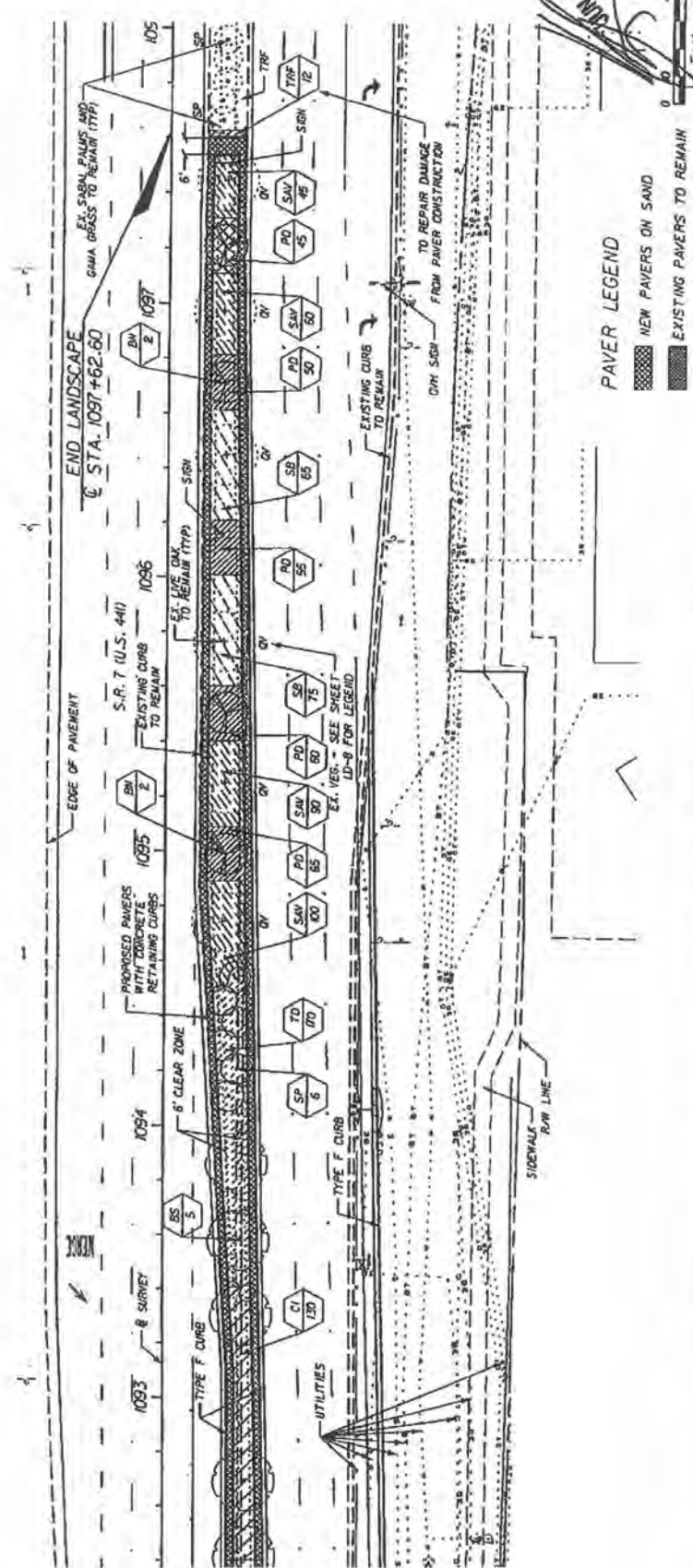
Coteleur Hearing
834 Cassinette Lane Suite 1
Aurifer, Pa 15008
59-74-6336 fax 59-74-4377
Carl, or Ann, 1-800-239-
Vendor No. 63-007394



LANDSCAPE ARCHITECT OF FLORIDA Robert L. Colner, A.L.A. #287		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.	
855 Commercial Ave. Suite 1 Apollo, Florida 33611 813-747-4333 Fax 813-747-4377 E-mail: rcolner@colner.com WWW: www.colner.com		ROAD NO. 7 COUNTY BROWARD PROJECT NO. AHS818-1-52-01		LD-34	
LANDSCAPE ARCHITECT'S SEAL		PROJECT TITLE		LANDSCAPE PLAN	
DATE		REVISIONS		SHEET NO.	
DESCRIPTION		DATE		LD-34	



REVISIONS				STATES OF FLORIDA		LANDSCAPE PLAN		SHEET NO.
DATE		DESCRIPTION		DEPARTMENT OF TRANSPORTATION				
DATE		DESCRIPTION		FINANCIAL PROJECT ID				
				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LD-36	Fee!
				7	BROWARD	415378-1-52-Q1		
				Enclosure: Architect Of Record Robert J. Calver, P.E. MSRP				
								
				Colour Hearing				
				9341 Old Florida Ave. SW #1				
				33074-5438 Ft. Meade, FL 32050				
				Tel. 904.446.1000				
				Fax 904.446.1004				

[illegible]

QUANTITY BY SHEET

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

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

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NOTES

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GENERAL NOTES:

THE EXTENT OF IRRIGATION SYSTEM IMPROVEMENTS VARY THROUGHOUT THE PROJECT LIMITS. THE FOLLOWING IS A GENERAL SUMMARY OF PROPOSED IMPROVEMENTS. ALL AREAS TO BE IRRIGATED ARE WITHIN ROADWAY MEDIANS.

THE MEDIAN AREAS BETWEEN MARGATE COURT (STA 955) AND MARGATE BLVD (STA 958) WILL RECEIVE ENTIRELY NEW IRRIGATION SYSTEMS, INCLUDING TAPPING POTABLE WATER MAINS AND INSTALLING METERS, BACKFLOW PREVENTORS AND CONTROLLERS. ALL OTHER AREAS WILL UTILIZE EXISTING WATER SOURCES, WHICH ARE ALL POTABLE, EXCEPT FOR THE AREA NORTH OF NW 35TH STREET (STA 0088), WHICH UTILIZES AN EXISTING WELL AND PUMP STATION, LOCATED NORTH OF SAMPLE ROAD. PROPOSED IMPROVEMENTS VARY IN THESE AREAS FROM ENTIRELY NEW ZONES AND CONTROLLERS TO REPLACING HEADS ON EXISTING ZONES. IN SOME CASES, EXISTING ZONES WILL REMAIN UNDISTURBED.

THE OVERALL SCOPE OF IRRIGATION WORK WILL INCLUDE FURNISHING ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE ALL ADJUSTMENTS AS SHOWN IN THE PLANS, INCLUDING, BUT NOT LIMITED TO: (1) MODIFICATIONS AND ADJUSTMENTS TO EXISTING SYSTEMS (ON ZONES 12) DIRECT TAPPING, TRENCHING AND BACKFILLING, (3) INSTALLATION OF FULLY AUTOMATED IRRIGATION SYSTEMS, (4) ZONES 12) DIRECT TAPPING, TRENCHING AND BACKFILLING, (5) HYDROSTATIC AND OPERATIONAL TESTING, (6) PREPARATION OF AS-BUILT DRAWINGS, (7) COORDINATION WITH MAINTENANCE STAFF FROM THE MAINTAINING AUTHORITIES, (MARGATE AND CORAL SPRINGS). THE SCOPE OF IRRIGATION WORK WILL NOT INCLUDE PROVIDING ANY WELLS, PUMP STATIONS, SECTION LINES OR PROVIDING ELECTRIC SERVICE. THE SCOPE OF IRRIGATION WORK DOES NOT INCLUDE CUTTING OR IMPACTING ANY ROADWAY PAVEMENT.

1. PRIOR TO STARTING WORK, THE CONTRACTOR WILL PERFORM A VISUAL INSPECTION AND PERFORMANCE TEST OF THE EXISTING IRRIGATION SYSTEMS OF COMPONENTS THAT ARE INTENDED TO REMAIN, IN THE PRESENCE OF THE ENGINEER AND CITY REPRESENTATIVE TO DOCUMENT THEIR CONDITION. ANY REPAIRS THAT ARE REQUIRED AT THAT TIME WILL BE COMPLETED BY THE CITY.

2. ALL IRRIGATION SYSTEMS ARE WITHIN THE CITY OF MARGATE LIMITS AND WATER SERVICE JURISDICTION. THE IRRIGATION SYSTEM NORTH OF NW 35TH STREET IS MAINTAINED BY THE CITY OF CORAL SPRINGS AND UTILIZES A PUMP STATION AND CONTROLLER THAT IS LOCATED NORTH OF SAMPLE ROAD, WITHIN THE CITY LIMITS OF CORAL SPRINGS. THEREFORE, THE CONTRACTOR WILL NEED TO COORDINATE THE WORK IN THIS AREA WITH THE CITY OF CORAL SPRINGS; CONTACT PERSON MARK WESTFALL, (PH# 954-344-4171).

THE WORK IN ALL OTHER AREAS WILL BE COORDINATED WITH THE CITY OF MARGATE. ALL NEW IRRIGATION TAPS, METER BOXES, QUBG STOPS, AND VALVES WILL BE INSTALLED BY THE CONTRACTOR. ALL NEW METERS WILL BE INSTALLED BY THE CITY OF MARGATE AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING THE AREA IMMEDIATELY AFTER THE CITY COMPLETES THEIR WORK. THE CITY OF MARGATE CONTACT FOR COORDINATING THIS WORK WILL BE EMILIO ESTAGUIR, (PH# 954-912-0828).

3. THE CONTRACTOR SHALL RUN 2 ADDITIONAL SETS OF WIRES IN EACH DIRECTION TO EACH END OF THE MAIN FOR FUTURE USE, (ON NEW SYSTEMS ONLY).

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HARD WIRING ALL ELECTRICAL SERVICE CONNECTIONS.

5. ALL NEW SLEEVES BELOW ROADWAY PAVEMENT SHALL BE HOPE OR SCH. 40 AND WILL BE PAID FOR UNDER THE CONTRACT LUMP SUM PRICE FOR IRRIGATION. ALL NEW SLEEVES BELOW PAVEMENT AREAS SHALL BE SCH. 40 (MIN.) AND THE COST FOR THESE SLEEVES WILL ALSO BE INCLUDED IN THE LUMP SUM COST OF THE IRRIGATION SYSTEM.

6. SOME SLEEVES BELOW ROADWAY PAVEMENT ARE EXISTING AND ARE CONSIDERED TO BE ADEQUATE FOR USE AS INTENDED. THE SIZE, CONDITION AND LOCATION INFORMATION FOR THESE SLEEVES IS PROVIDED BY THE CITY AND IS ASSUMED TO BE ACCURATE. IF IT IS DETERMINED THAT THESE SLEEVES CANNOT BE LOCATED OR ARE NOT IN A USABLE CONDITION FOR THEIR INTENDED PURPOSE, THEN THE CONTRACTOR SHALL PROVIDE A COST PROPOSAL TO THE DEPARTMENT FOR INSTALLING NEW SLEEVES, EITHER BY OPEN TRENCHING OR BY DIRECTIONAL DRILLING AS REQUIRED. THE CONTRACTOR SHALL LOCATE AND CONFIRM THE LOCATION OF ALL EXISTING SLEEVES TO BE UTILIZED ON THE PROJECT AS EARLY AS POSSIBLE DURING CONSTRUCTION AND BEFORE ROADWAY RESURFACING HAS BEGUN.

7. FINAL LOCATION OF ALL COMPONENTS SHALL BE SUBJECT TO ENGINEERS APPROVAL.

8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO CONTACT THE ENGINEER FOR HYDROSTATIC AND OPERATIONAL TESTING.

9. ALL MAIN LINE PIPES PLACED IN SLEEVES SHALL BE SCH. 40 SOLVENT WELD WITH ADEQUATE RESTRAINTS. THE SLEEVE SHALL BE A MINIMUM TWO (2) TIMES LARGER THAN THE ENCASED PIPE DIAMETER.

10. ALL COMPONENTS SHOWN AND/OR DEPICTED ON THE PLAN SHEETS REPRESENT APPROXIMATE LOCATION ONLY, AND ARE FOR CLARIFICATION PURPOSES. THE FINAL LOCATION OF ALL COMPONENTS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

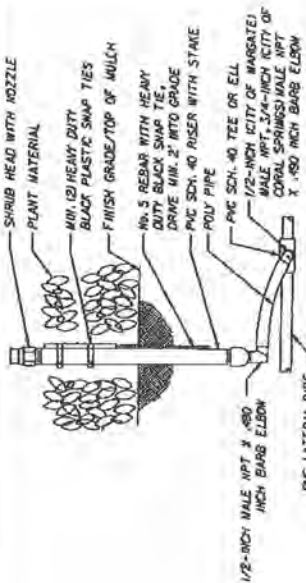
11. DO NOT SCALE PLAN FOR EXACT HEAD LOCATION.

12. IRRIGATION COMPONENT TRADE NAMES ARE SPECIFIED DUE TO REQUEST BY MAINTAINING AUTHORITY, (CITY OF MARGATE), TO ENSURE COMPATIBILITY WITH OTHER CITY SYSTEMS. ALL SUBSTITUTIONS TO MATERIALS SPECIFIED SHALL BE APPROVED BY THE ENGINEER AND THE MAINTAINING AUTHORITY.

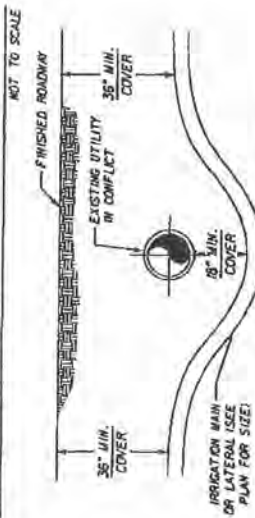
13. ALL PIPING ON THE PLANS IS DIAGRAMMATICALLY ROUTED FOR CLARITY AND SHALL BE ROUTED TO AVOID PLANTS AND UTILITIES. DESIGN MODIFICATIONS WILL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS AND ONLY UPON APPROVAL OF THE ENGINEER.

14. THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE PROPOSED IRRIGATION SYSTEM TO INSURE 100% COVERAGE AND TO MINIMIZE OVERSPRAY. THE CONTRACTOR SHALL SUBSTITUTE ADJUSTABLE NOZZLES FOR FIRED PATTERN NOZZLES SPECIFIED WHERE NECESSARY.

15. ALL RISERS SHALL BE PAINTED FLAT BLACK.

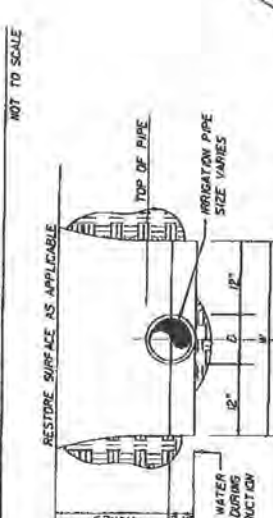


SHRUB RISER DETAIL



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.

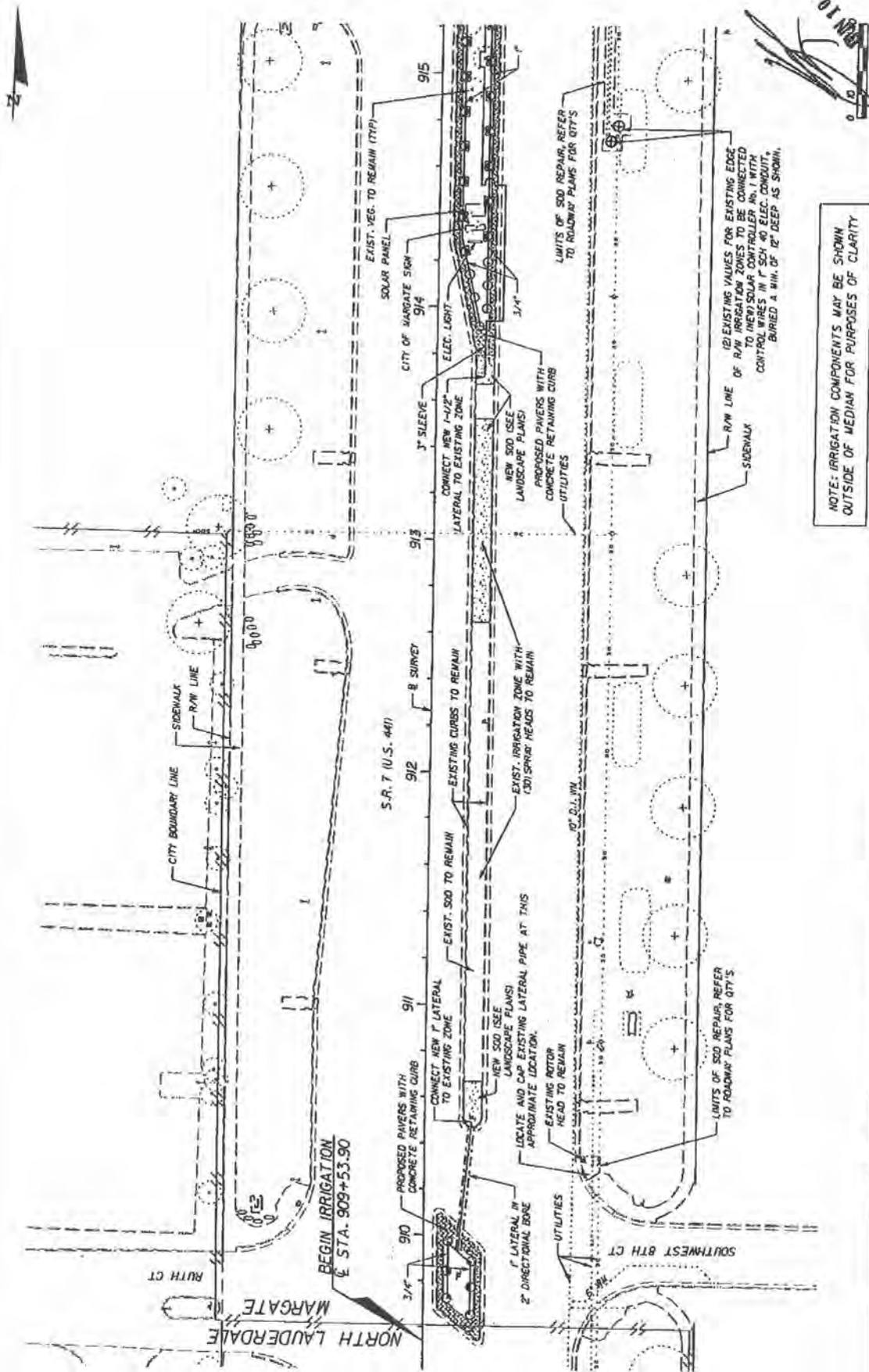
TYPICAL CONFLICT DETAIL



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 (MASHIT) T-180L TYPE C BEDDING SHALL BE DEFINED AS: SAND WITH 40 PERCENT PASSING A 97.5 SIEVE, AT LEAST 5 PERCENT PASSING A NUMBER 4 SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 10.

TYPICAL TRENCH DETAIL

STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO.	
ROAD NO. 7		LD-40	
COUNTY BROWARD		PROJECT NO. 416278-1-52-01	
DESIGNER Collier Heening 10000 N. W. 11th Ave., Suite 100 Miami, Florida 33150 (305) 446-4335 Fax (305) 446-4337 Internet: www.collierheening.com		DATE 01-15-2008	
REVISIONS		DATE 01-15-2008	
DATE	BY	DESCRIPTION	DATE



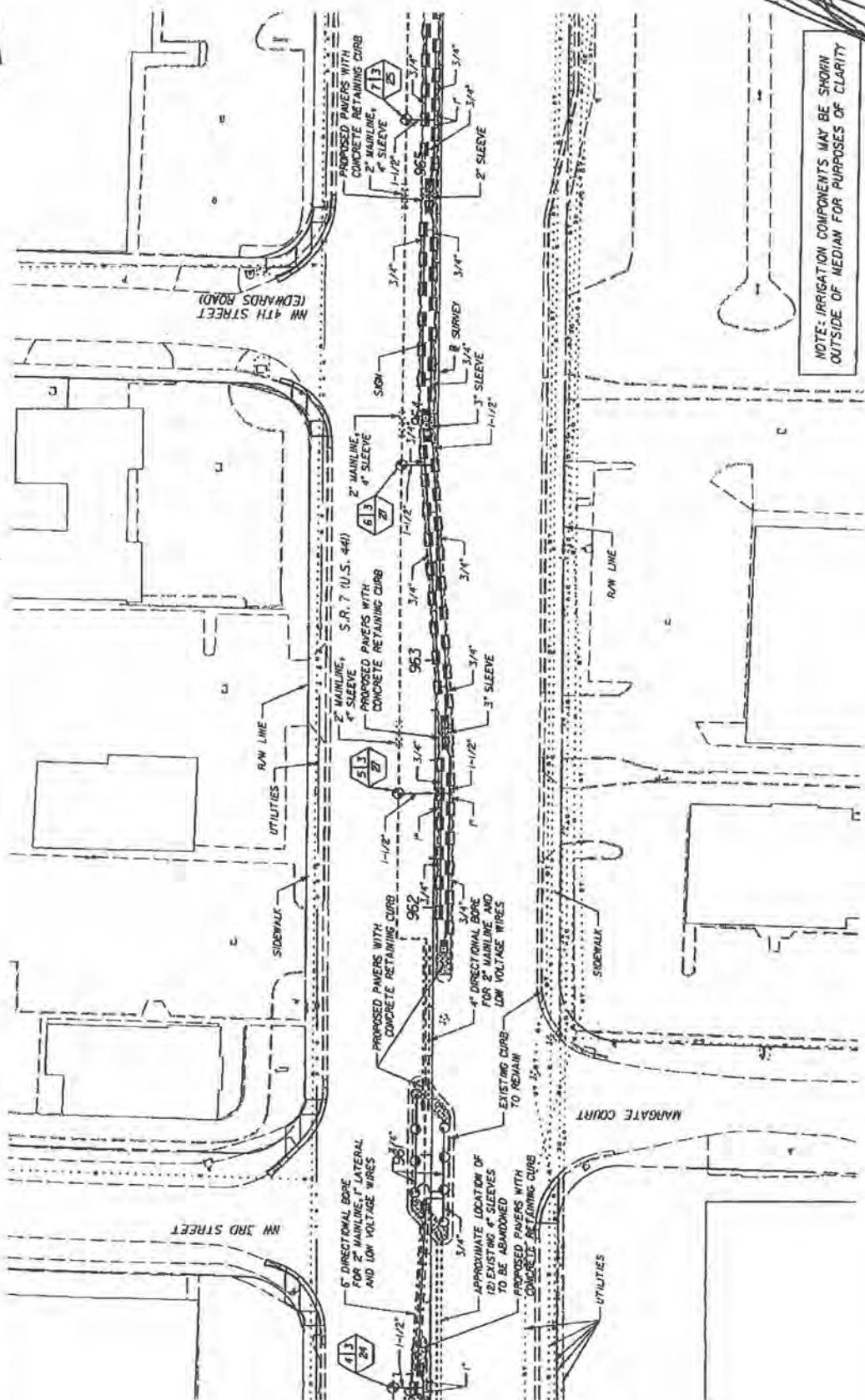
NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

DATE		2/22/2017		REVISED		DATE		2/22/2017	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 416878-1-52-01									
IRRIGATION PLAN SHEET NO. LD-42									



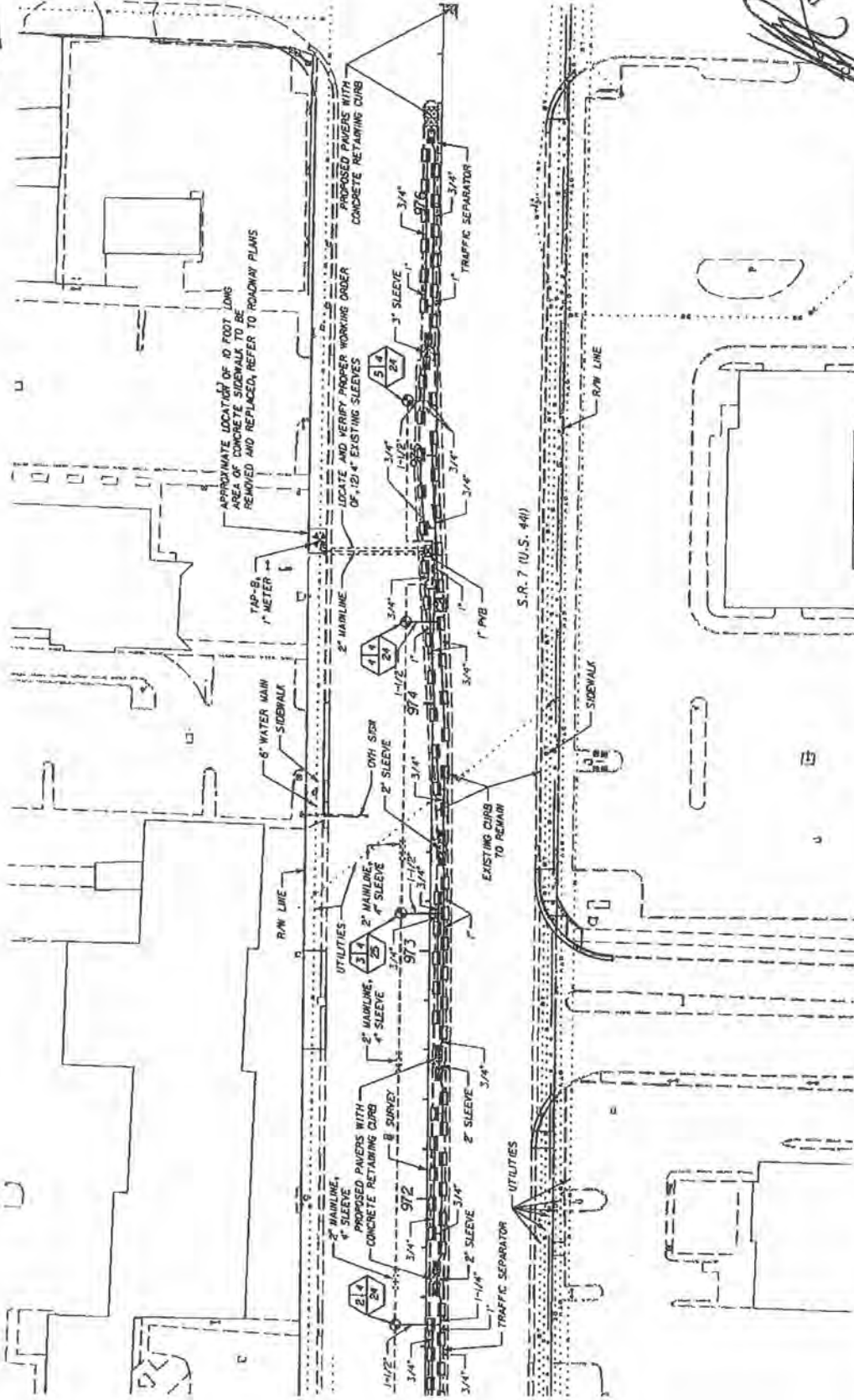
NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

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NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

DATE		DESCRIPTION		REVISIONS		DATE		DATE	
Division Engineer of Roads Robert J. Collier, ALE-4002 Colour Hearing JANUARY 11, 2007 JANUARY 11, 2007 JANUARY 11, 2007 JANUARY 11, 2007 JANUARY 11, 2007									
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				ROAD NO. 7		COUNTY BROWARD		FINANCIAL PROJECT ID -46878-1-52-Q1	
SHEET NO.				LD-46		4/10/2008 1:00 PM 1:00 PM 1:00 PM 1:00 PM 1:00 PM			

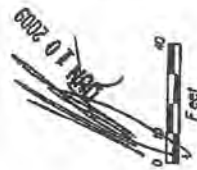


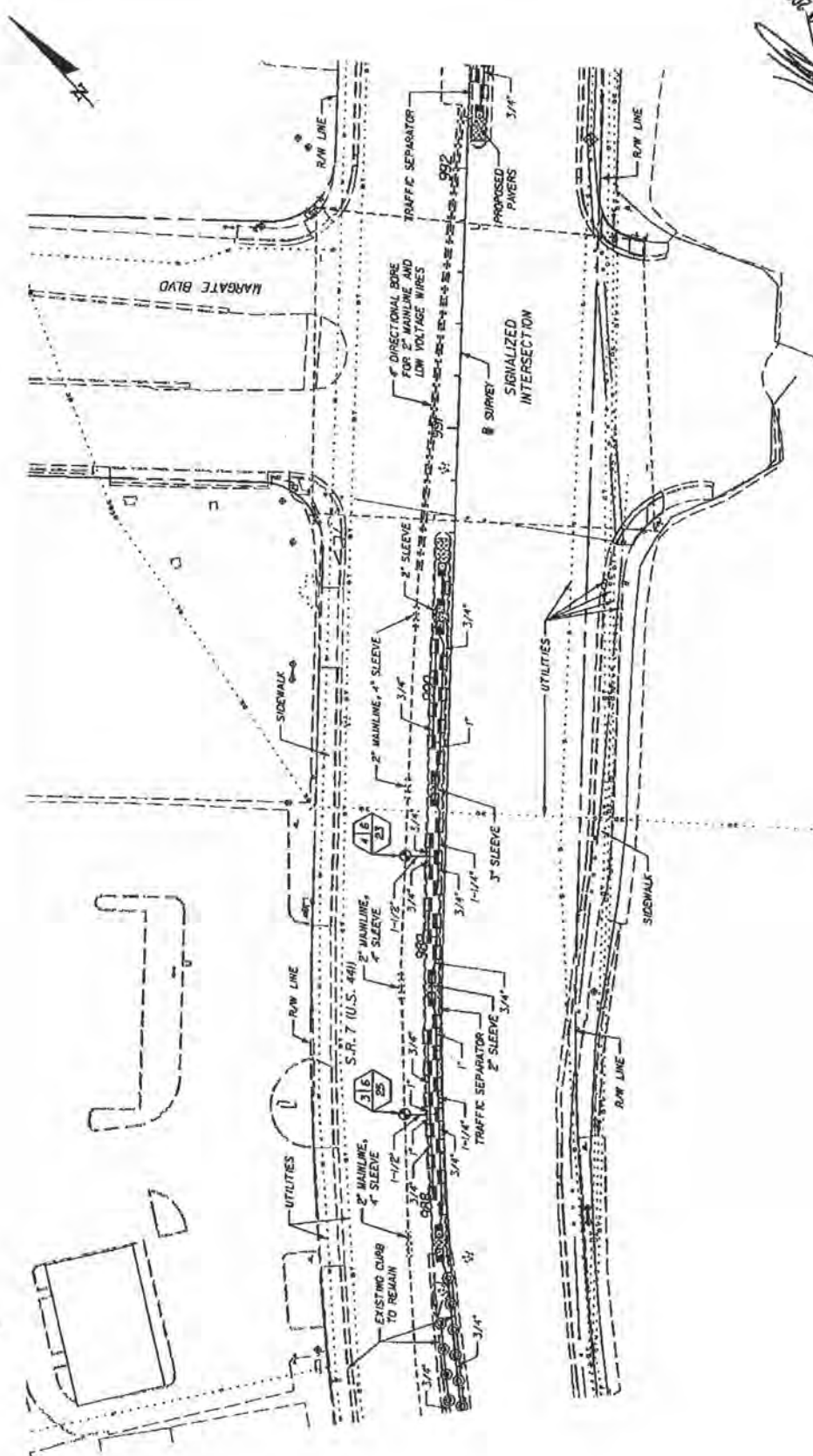
NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

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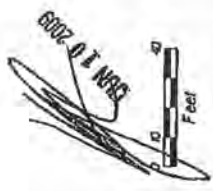
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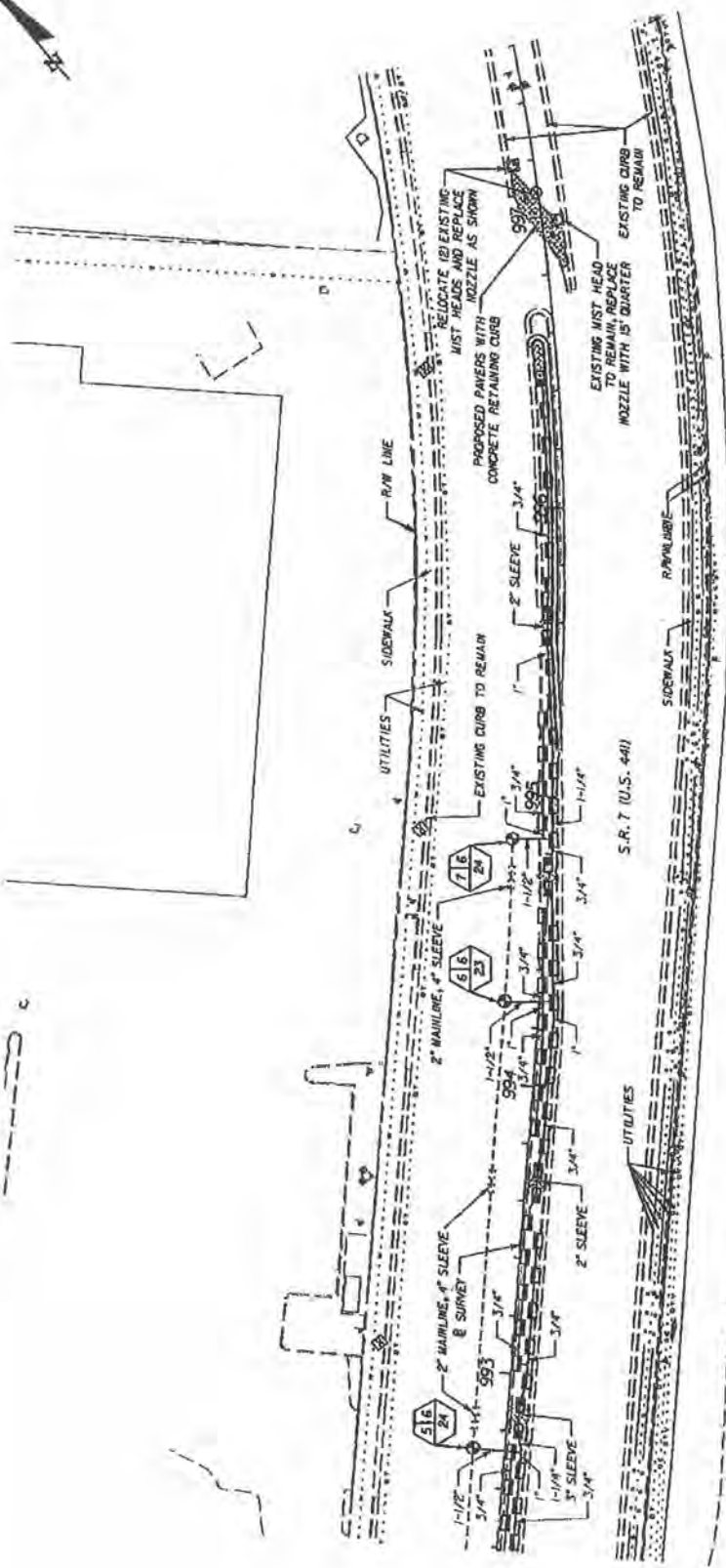
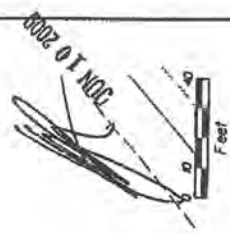
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NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

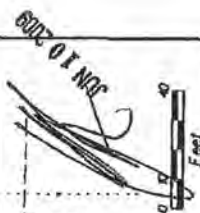


DATE		REVISIONS		DESCRIPTION		DATE	



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

DATE	DESIGNED BY	REVISIONS	 Licensed Architect & Engineer Robert J. Quisenberry, No. 12578 624 Commerce Lane, Suite 1 Naples, Florida 33957 State of Florida, License No. 12578 Exp. 12-31-2023 BOARD No. 10-107894	ROAD NO. 7 COUNTY BROWARD FRANCHISE PROJECT ID 4165878-1-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-52



REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		IRRIGATION PLAN	
DATE	BY	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
12-26-79	RECORDED	7	BROWARD	415878-1-52-01	LD-55

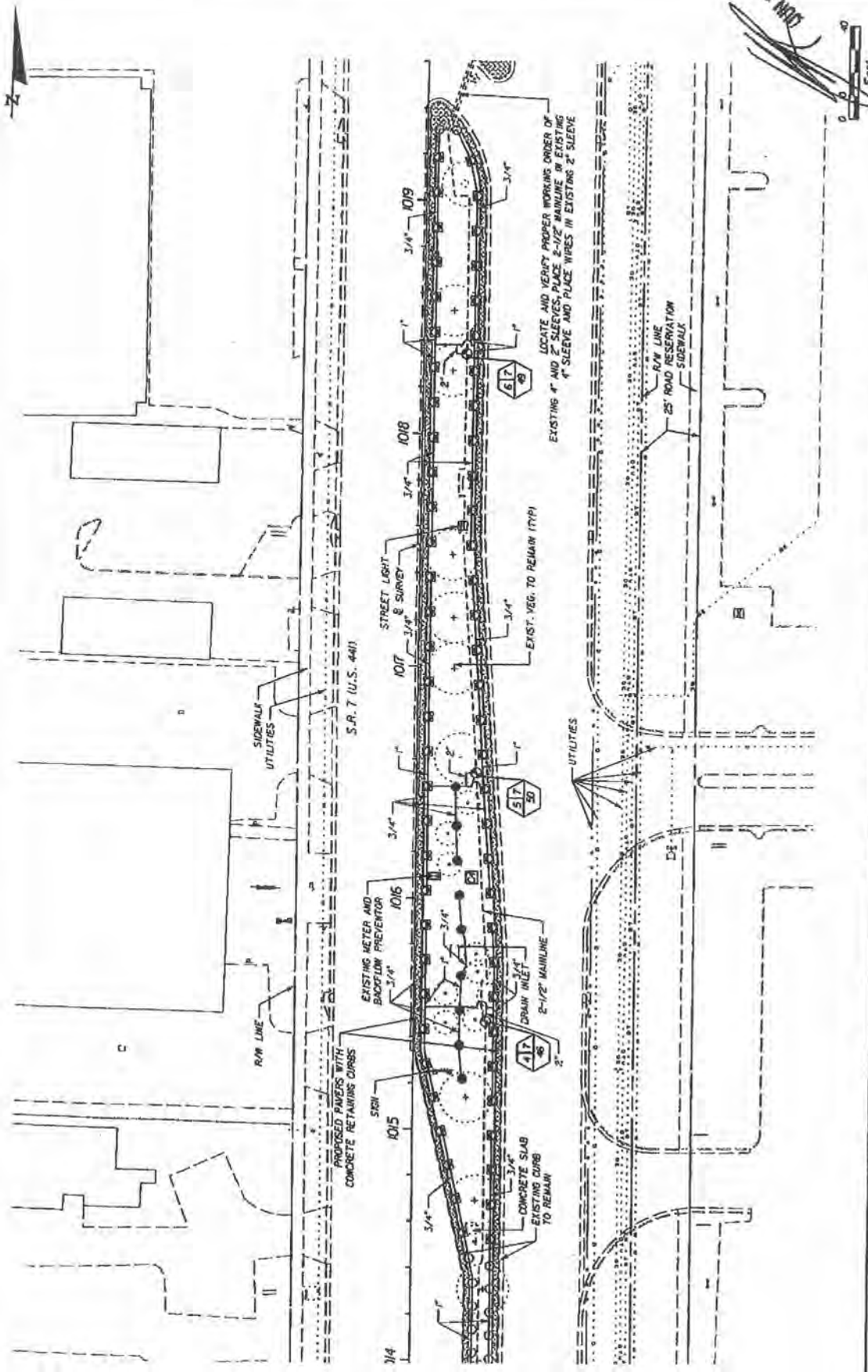
Contract Awarded By: Broward County, FL - 4027

Concur Hearing

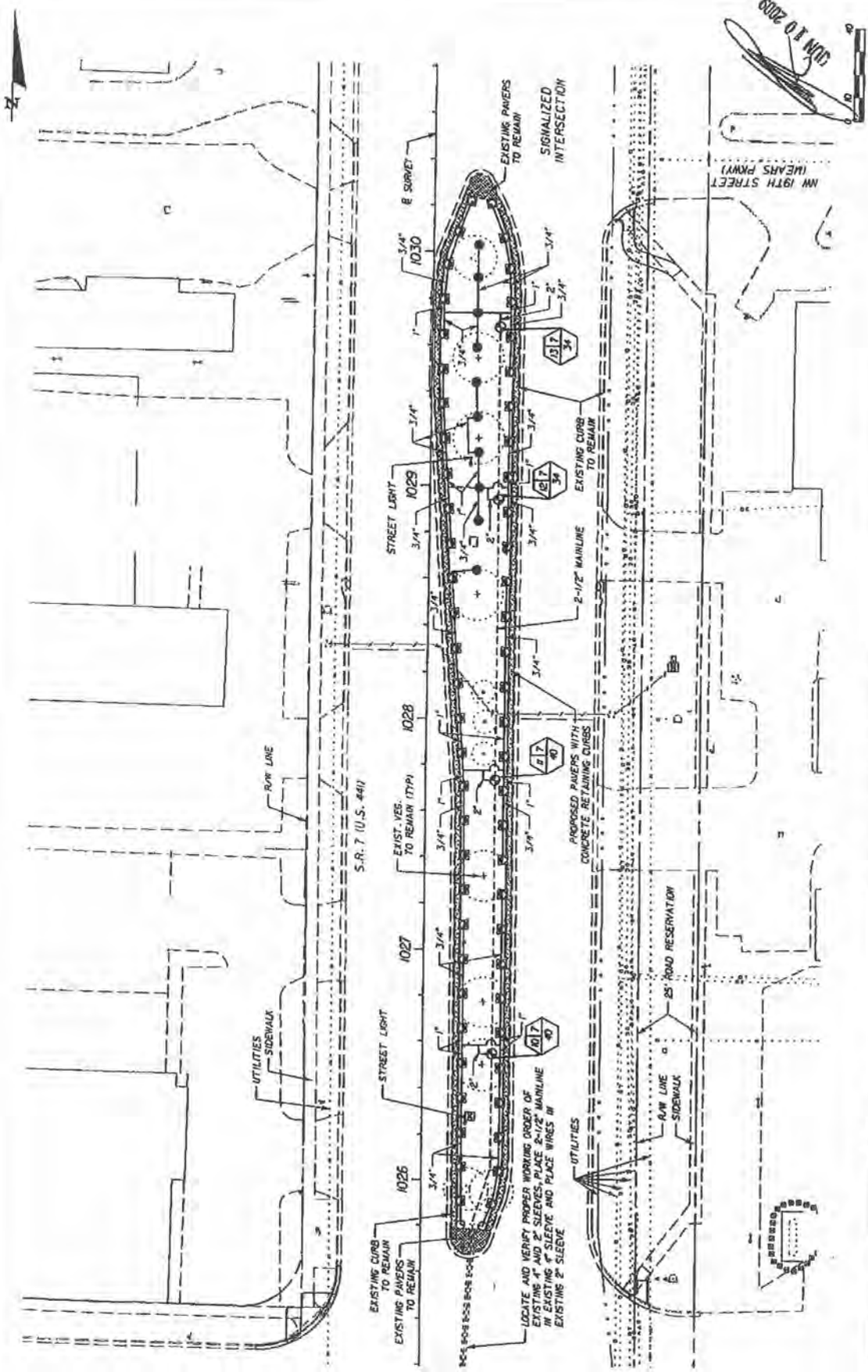
254 S. Broward Blvd., Suite 1
Ft. Lauderdale, FL 33304
39-14-4203, 1m 56-14-4-427
Cert. of Acc. 15-0000039
Permit No. 15-4201504



LD-55



DATE		REVISIONS		DESCRIPTION		Unadvised Applicant of Florida Highway & Transportation, H&T-1000 Content Hearing H&T-1000 304 Commerce Lane, Suite 1 Fort Lauderdale, FL 33304 Tel. 305-461-1000 Fax 305-461-1001 Dept. of Trans. & Transportation Permit No. 10-1000000	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY PROJECT ID 7 BROWARD 416878-1-52-01	SHEET NO. 1D-56



DATE: _____ DESCRIPTION: _____ DATE: _____ DESCRIPTION: _____ DATE: _____ DESCRIPTION: _____		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD FINANCIAL PROJECT ID 46878-1-52-01		SHEET NO. LD-58
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Locusts Available at: Hensel Phelps & Co., Inc., 1000 N. 1st St., Suite 100, Fort Lauderdale, FL 33304

Contract No. 46878-1-52-01

Drawn by: J. L. Smith

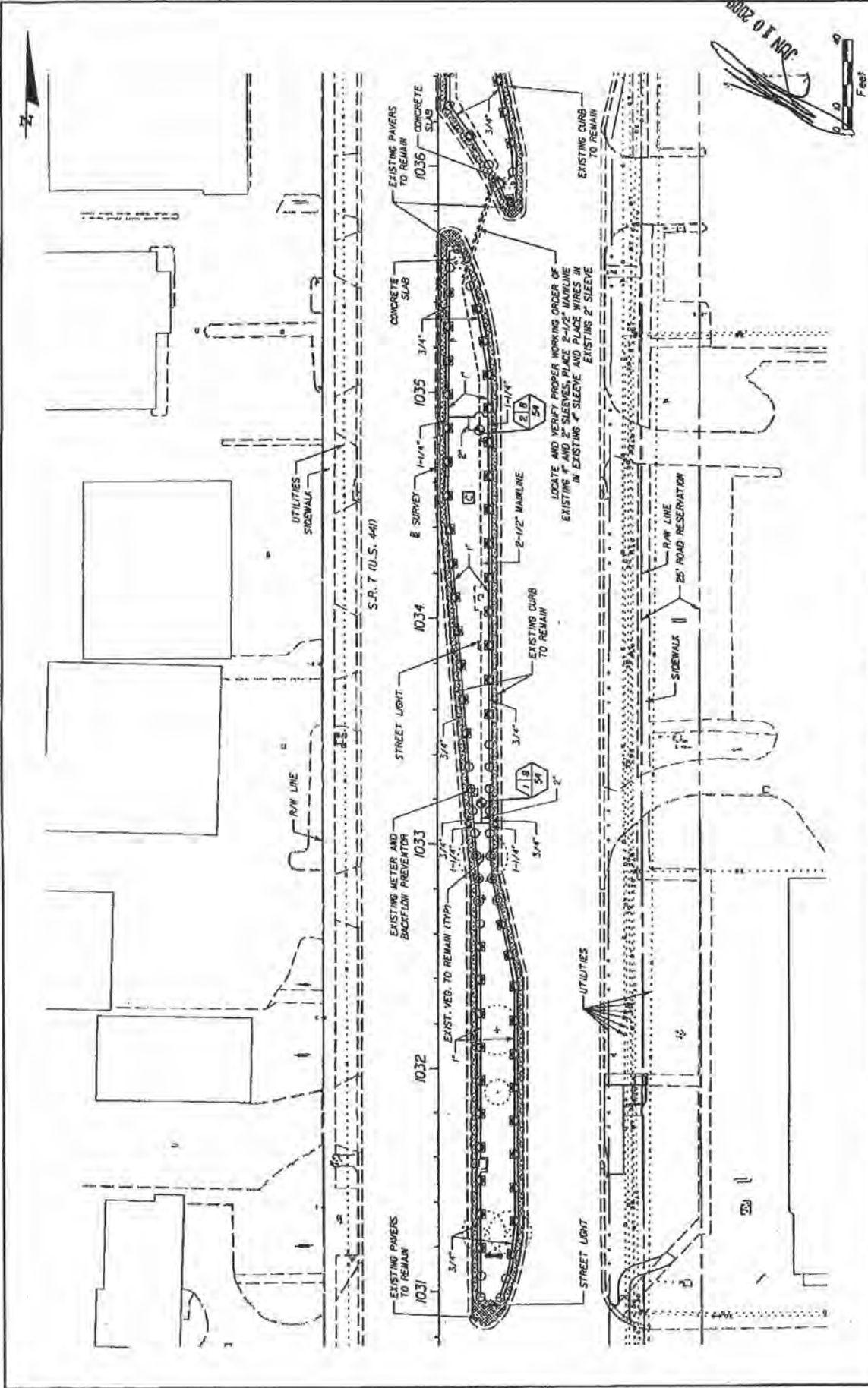
Check by: J. L. Smith

Project No. 46878-1-52-01

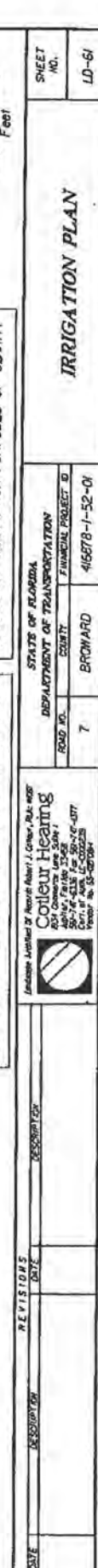
DATE: JUN 10 2008

TIME: 10:00 AM

FILE: 46878-1-52-01



DATE		REVISIONS		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. 7	COUNTY BROWARD	FINANCIAL PROJECT ID 416578-1-52-01	IRRIGATION PLAN	SHEET NO. LD-59
DESCRIPTION		DATE		DESCRIPTION						



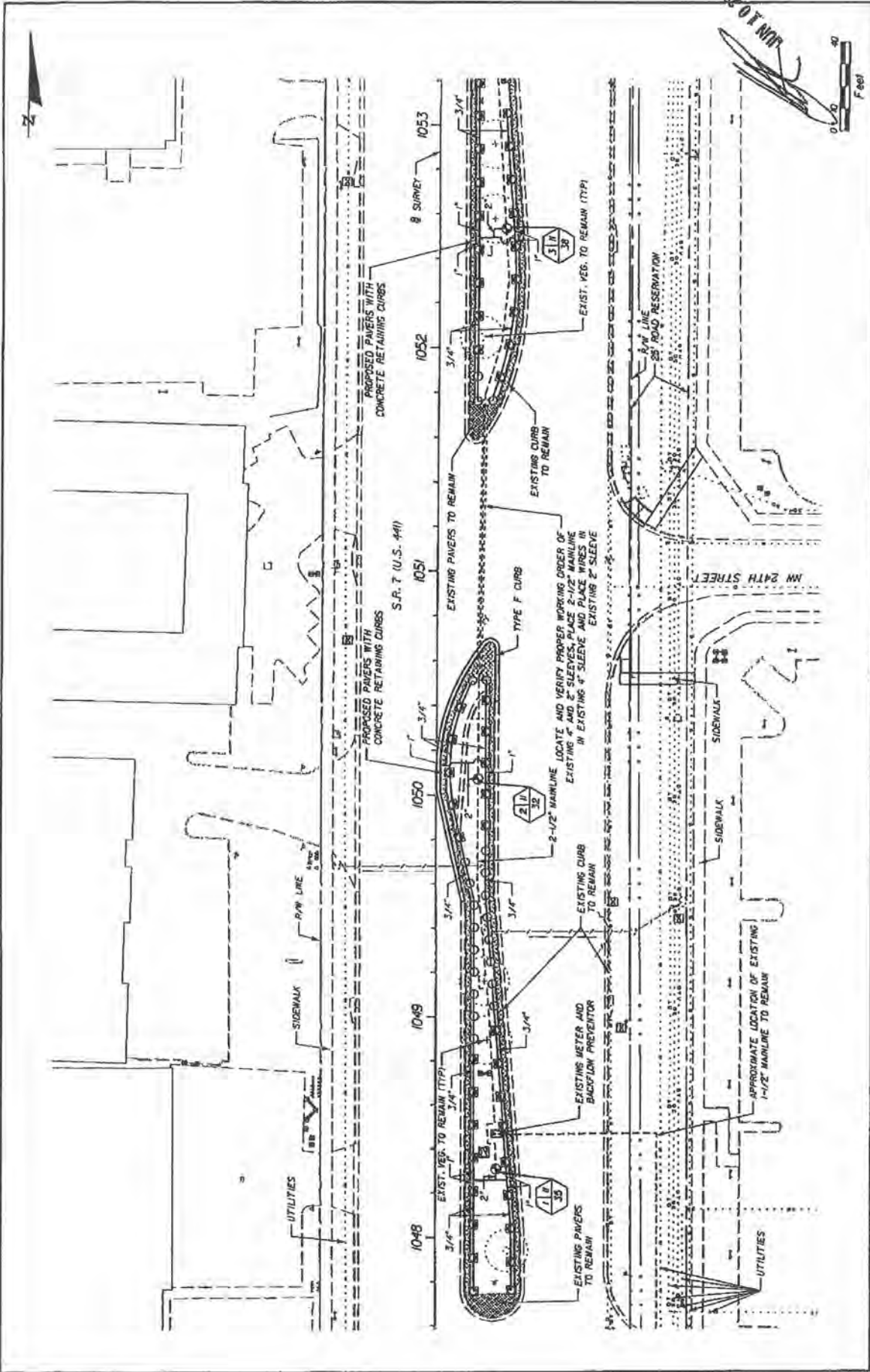
Cotleur Hearing
R254 Connecticut Lane Suite 1
Apt 616, Fairport 25068
59-747-4316 Fax 59-747-4377
Cari at AHS 47-CARIN

NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

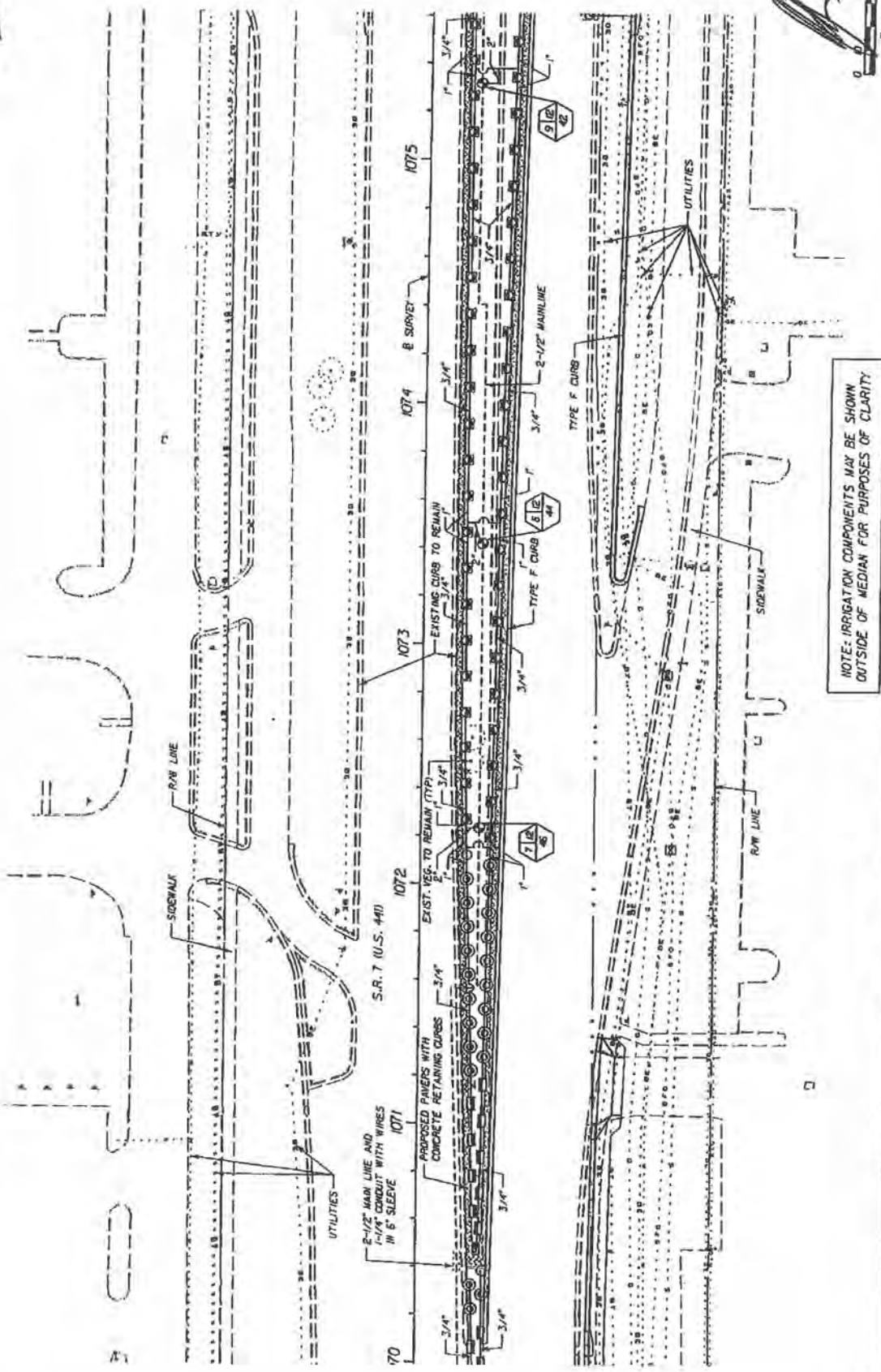
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
7	DOUGLASS	210 000 1 00 00

SHEET NO.	DATE
1	10/10/20

REPLICATION BY A N⁺



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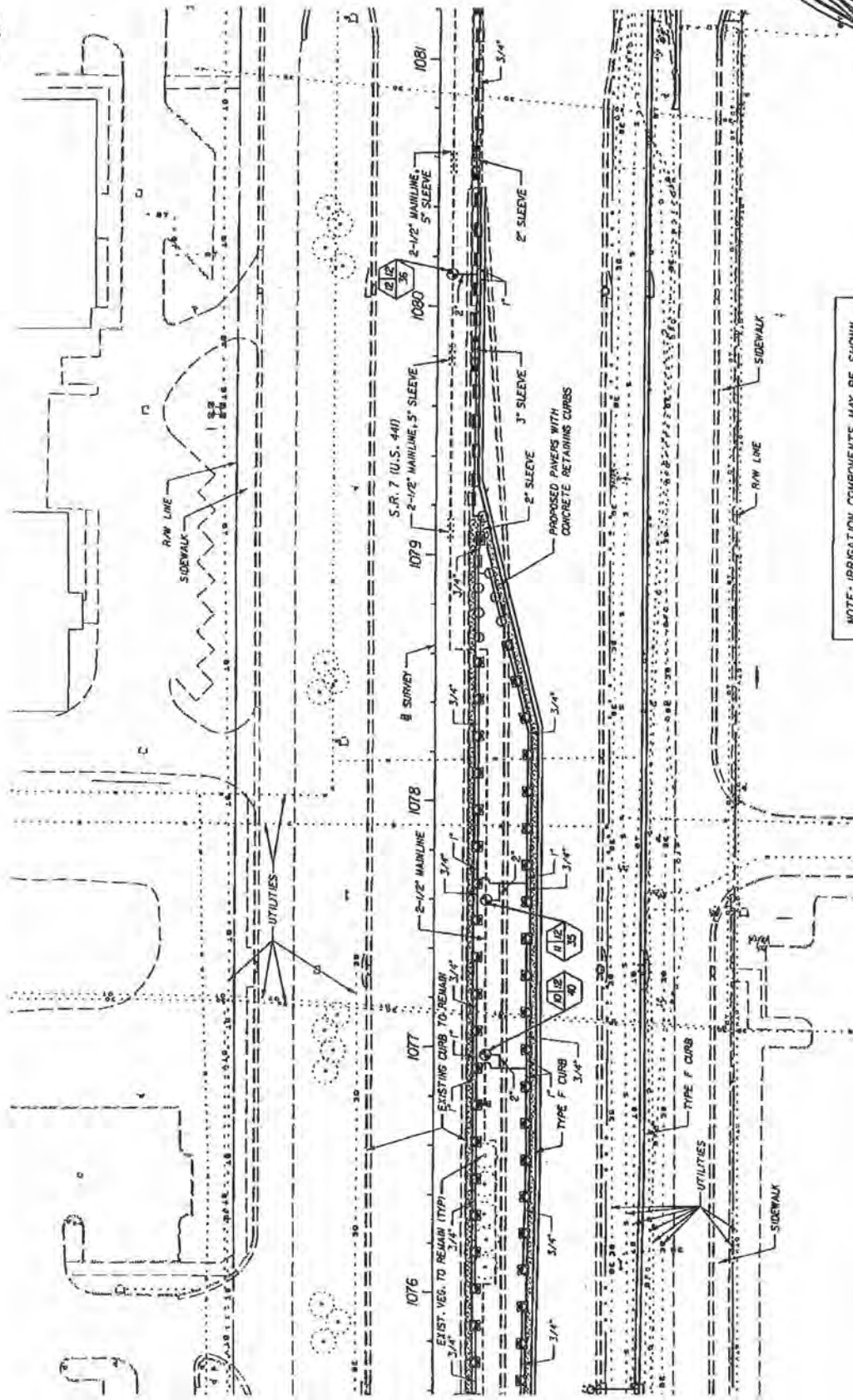
NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY



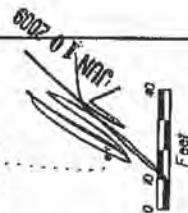
REVISIONS		DATE		DESCRIPTION	

UNLESS NOTED OTHERWISE, ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING:	
STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION
ROAD NO. 7	COUNTY BROWARD
PROJECT NO. 416578-1-52-01	FINANCIAL PROJECT NO. 416578-1-52-01

SHEET NO.	LD-66
IRRIGATION PLAN	



NOTE: IRRIGATION COMPONENTS MAY BE SHOWN
OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY



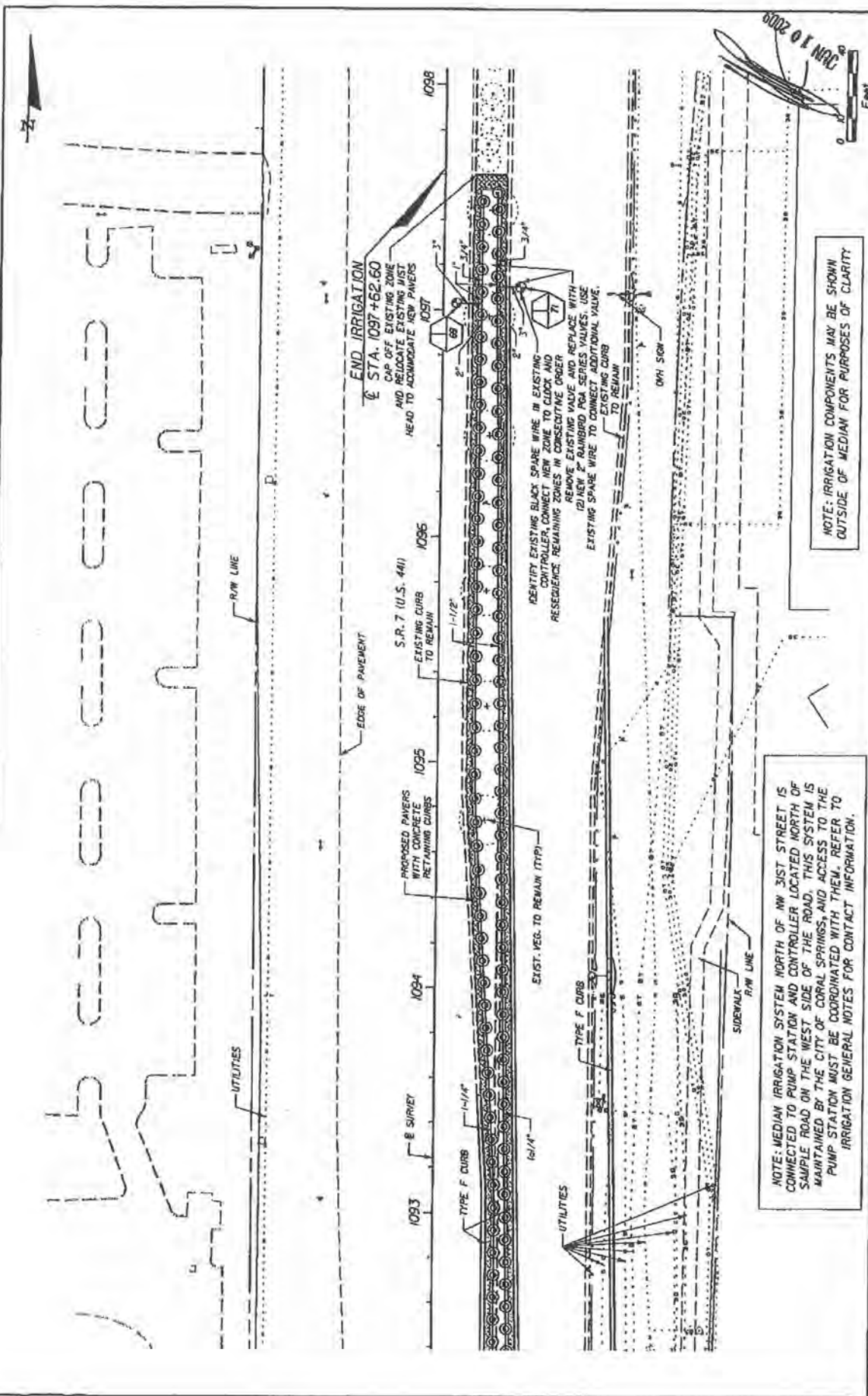
REVISE		DATE	DESCRIPTION

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	PROJECT NO.	PROJECT NAME
7	BROWARD	415878-1-52-01	

SHEET NO.	LD-67

DATE: 6/27/2020
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

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NOTE: MEDIAN IRRIGATION SYSTEM NORTH OF NW 31ST STREET IS CONNECTED TO PUMP STATION AND CONTROLLER LOCATED NORTH OF SAMPLE ROAD ON THE WEST SIDE OF THE ROAD. THIS SYSTEM IS MAINTAINED BY THE CITY OF CORAL SPRINGS, AND ACCESS TO THE PUMP STATION MUST BE COORDINATED WITH THEM. REFER TO IRRIGATION GENERAL NOTES FOR CONTACT INFORMATION.

NOTE: IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE OF MEDIAN FOR PURPOSES OF CLARITY

REVISIONS DATE DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY BROWARD PROJECT NO. 415878-1-52-01		SHEET NO. LD-70
PROJECT NO. 415878-1-52-01		PROJECT NO. 415878-1-52-01		SCALE 1"=40'
PROJECT NO. 415878-1-52-01		PROJECT NO. 415878-1-52-01		PROJECT NO. 415878-1-52-01

SECTION NO.:	86100000
FM NO. (s):	416878-1-52-01
COUNTY:	BROWARD
S.R. NO(s):	7 (US 441)

EXHIBIT C

MAINTENANCE PLAN

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

Please see attached

MAINTENANCE PLAN

Landscape Improvements

Project State Road No(s): SR 7 (U.S. 441)
Project Limits: SR 7 (U.S. 441) from SW 8th Court (M.P. 17.040) to North of NW 31st Street (M.P. 20.592)
FM No(s): 416878-1-52-01
Maintaining Agency: City of Margate, (Mr. Emilio Estaban Ph. 954-972-0828)
RLA of Record: Robert J. Cotleur, R.L.A. (#1067)
Date: June 10, 2009

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. I, 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 is recommendations prepared by the 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. Establishment of an integrated plant 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 that 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, and to specific pruning heights maintaining clear visibility for motorists, and vertical clearance for pedestrian, bicyclist, and truck traffic where applicable. Visibility windows must be maintained free of view obstructions and all trees and palms (with particular attention to fronds and fruit) maintained to prevent potential roadway and pedestrian hazards. 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 should be noted on the planting plans. (See Specific Requirements and Recommendations per Approved Landscape & Irrigation Design for these guidelines). The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) of the medians 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 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 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 enlisting integrated pest management practices in areas specified on the plans and by maintaining proper mulch levels. Extreme care is recommended if using a chemical herbicide to avoid overspray onto plant

materials. Any damage resulting from overspray is the applicator's responsibility to restore the plantings to 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 Consumers Services, Grades and Standards for Nursery Plants* are permitted on FDOT roadways. Should it become necessary to change the species, a general use permit is required from FDOT for approval by the FDOT District Landscape Architect.

Hardscape (Specialty Surfacing):

All specialty pavers and tree grates 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), Section 23 14 13 Interlocking Concrete Pavers, Part 3.05*. If the pavers or tree grates become damaged, they shall be replaced 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, 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, replace of the sign panel, post, and base.

Hardscape (Landscape Accent Lighting)

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.

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.

Website: Series 600 Traffic Control through Work Zones

<http://www.dot.state.fl.us/rddesign/DesignStandards/Standards.htm>

Vegetation Management at Outdoor Advertising (ODA)

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.

Website: FDOT Outdoor Advertising Database
<http://www2.dot.state.fl.us/rightofway/Default.aspx>

Also, reference the Florida Highway Beautification Program website link for Vegetation Management at ODA signs for the Florida Statutes and Administrative Codes related to Vegetation Management at Outdoor Advertising Signs and Permit Applications for Vegetation Management and Outdoor Advertising Signs determining Mitigation Value of Roadside Vegetation.

Website: FDOT Environmental Management office for Landscape Architects
<http://www.dot.state.fl.us/emo/beauty/FLA.shtm>

Specific Project Site Maintenance Requirements and Recommendations:

The landscape design for the medians consists of existing trees and palms with supplemental trees and palms and shrubs. There are some existing paver areas to remain and the medians will receive new paver strips around the perimeter and at the 'noses' as an aesthetic and functional element. These paver areas provide the maintenance workers with areas for access and lay down space without having to disturb the landscape or sod areas. In addition they will provide protection for the landscape from vehicles running over the curbs and the ends of the medians. No new trees or palms will be added at the edges of the rights of ways.

The extent of irrigation improvements varies greatly from entirely new systems, including new (potable) water sources, to new systems downstream of existing water meters, to minor modifications and expansions to existing systems. In some areas the existing systems will remain undisturbed.

The city of Margate also requested that the existing, solid concrete traffic separators be removed and replaced with new curbing that will also have landscape and irrigation added. These traffic separators vary in width from 5' to 30" wide (between the back of curbs) and therefore only groundcovers and shrubs could be added, (no trees). Areas of pavers were also incorporated to protect the ends of the medians and provide some maintenance space. The city understands that the landscape within these separators can be damaged from vehicular traffic and it will be important to repair it soon if and when it occurs. For this reason, the shrub materials proposed in these areas is only the hardiest and most readily available species.

The overall design is intended to be relatively low maintenance. All shrubs within sight restricted areas must be maintained at a low height as shown in the typical median section detail in the plans and Index #546. All other shrubs and vegetation will be trimmed as needed to promote a uniform and healthy appearance and to meet all FDOT safety criteria.

Native grasses, such as Sand Cordgrass, Fakahatchee and Florida Gama Grass were utilized as 'theme' shrub materials for the wider median areas within the project with their main purpose being to prevent pedestrians from crossing the medians, through the landscape. The most important maintenance activity for these grasses will be to be cut them back once per year to generate re-growth, and to prevent them from choking themselves out with the biomass they create as they mature. This trimming should be done as close to the ground as possible and

should be done in the spring time before the start of the rainy season, (April or May). For best results, remove all biomass from the trimming work off site.

This project received design variations to allow existing trees to remain as well as proposed trees to be added within median taper areas in accordance with specific restrictions that were determined in coordination with input obtained from the FDOT District Design Engineer. The restrictions included only proposing new trees in median areas that are 12' or wider (between the back of curbs), and not within 145' of the end of the median, or turn lane. A review of crash history data showed that there was no safety problems associated with the existing trees.

There is one ODA sign within the project limits and the view zones have been approved and are shown in the plans.

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.

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://www.treespecialists.com/pdfs/pruningstandards.pdf>

Florida Department of Agriculture and Consumer Services, Division of Plant Industry, *Florida Grades and Standards for Nursery Stock*, available for purchase
<http://www.doacs.state.fl.us/pi/plantinsp/publications.html>

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.dot.state.fl.us/rddesign/rd/RTDS/08/544.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.dot.state.fl.us/rddesign/rd/RTDS/08/546.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.dot.state.fl.us/rddesign/rd/RTDS/08/700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. I Chapters 2.11.5, Horizontal Clearance to Trees; Table 2.11.9 Horizontal Clearance and Clear Zone; Figure 4.1.2 Clear Zone; and Table 25.4.11.1 Clear Zone Width (feet) and Table 25.4.14.6 (for existing) trees*
<http://www.dot.state.fl.us/rddesign/PPMManual/2008/Volume1/zChap02.pdf>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*
<http://www.dot.state.fl.us/specificationsoffice/Implemented/CurrentBK/CurrentSpecs/580.pdf>

Florida Department of Transportation, *Maintenance Rating Program Handbook*
<http://ombnet.dot.state.fl.us/procedures/bin/850065002.pdf>

Florida Department of Transportation, Landscape Architecture Website
<http://www.dot.state.fl.us/emo/beauty/beauty.shtm>

Interlocking Concrete Pavement Institute (ICPI)
<http://www.icpi.org/> <http://www.fisstaterg.org>

International Society of Arboriculture (ISA)
www.isa-arbor.com

Manual on Uniform Traffic Control Devices
<http://www.mutcd.fhwa.dot.gov>

Florida Irrigation Society
<http://www.fisstate.org>

Florida Department of Community Affairs (FCA), *Florida Board of Building Codes & Standards, Florida Accessibility Code for Building Construction*
http://www.dca.state.fl.us/fbc/publications/1_publications.htm

Guide to Roadside Mowing and Guide to Turf Management, available for purchase
<http://infonet.dot.state.fl.us/SupportServicesOffice/plist.htm>

Accessible Sidewalk Videos (ADA)
<http://www.access-board.gov/news/sidewalk-videos.htm>

SECTION NO.:	86100000
FM NO. (s):	416878-1-52-01
COUNTY:	BROWARD
S.R. NO(s).:	7 (US 441)

EXHIBIT D

APPROXIMATE PROJECT COST

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

Date: 06/10/2009

APPROXIMATE PROJECT COST: \$ 1,066,728.69

TOTAL FDOT BUDGET: \$405,852.25

**TOTAL BUDGET CONTRIBUTED
BY CITY OF MARGATE:** \$660,876.44

SR 7/US 441 Resurfacing (416878-1) - Margate - Landscape Cost Estimate					LAST UPDATE: 6/10/2009	
PAY ITEM NO.	SYM	DESCRIPTION	UNIT	GRAND TOTAL	INSTALLED UNIT COST W/ MAINT.	SUB-TOTAL
526-1-2		PAVERS - (INCLUDING CONCRETE 14,553 LF RETAINING CURB)	SY	3,390	\$ 82.93	\$ 281,130.00
570-1-2		PERFORMANCE SOD (ST. AUGUSTINE)	SY	6,979	\$ 3.53	\$ 24,635.87
580-1-1		SMALL PLANTS	LS	1		\$ 190,530.92
	CI	Chrysobalanus Icaco 'Red Tip' - Red Tip Cocoplum		1,855	\$ 12.00	\$ 22,261.85
	CID	Chrysobalanus Icaco 'Horizontalis' - Dwarf Cocoplum		860	\$ 14.18	\$ 12,197.38
	CV	Codiaeum var. 'Norma' & 'Corkscrew' - Croton (Mex)		9	\$ 13.80	\$ 124.20
	DT	Dianella bismarckia - Blueberry Flax Lily		1,357	\$ 16.80	\$ 22,797.60
	FG	Ficus macrophylla 'Green Island' - Green Island Ficus		1,330	\$ 14.49	\$ 19,271.70
	JP	Juniperus parsonii - Parsons Juniper		778	\$ 10.71	\$ 8,332.38
	IV	Ilex vomitoria 'Stokes Dwarf' - Dwarf Yaupon Holly		1,547	\$ 11.00	\$ 17,017.00
	PD	Podocarpus macr. 'Pringles' or 'Mela' - Dwarf Podocarpus		769	\$ 13.20	\$ 10,150.80
	SAV	Schefflera arboricola 'Tiramisu' - Dwarf Variegated Schefflera		1,679	\$ 11.00	\$ 18,469.00
	SB	Spartina bakeri - Sand Cordgrass		2,120	\$ 12.00	\$ 25,440.00
	TD	Tripsacum dactyloides - Falsehatchee Grass		1,531	\$ 11.00	\$ 16,841.00
	TRF	Tripsacum floridana - Florida Gama Grass		1,469	\$ 12.00	\$ 17,628.00
580-1-2		LARGE PLANTS	LS	1		\$ 150,099.40
	BN	Bismarckia nobilis - Bismarckia Palm		19	\$ 2,200.00	\$ 41,800.00
	BS	Bursera smaragdula - Gumbo Limbo		18	\$ 327.60	\$ 5,896.80
	CES	Conocarpus erectus var. sericeus - Silver Buttonwood		9	\$ 226.80	\$ 2,041.20
	LD	Livistonia decipiens - Ribbon Palm		27	\$ 700.00	\$ 18,900.00
	PEA	Psychosperma elegans - Solitaire Palm		45	\$ 425.00	\$ 19,125.00
	PHM	Phoenix dactylifera 'Medjool' - Medjool Date Palm		6	\$ 7,000.00	\$ 42,000.00
	QV	Quercus virginiana - Live Oak		33	\$ 415.80	\$ 13,721.40
	SP	Sabal palmetto - Sabal Palmetto		35	\$ 189.00	\$ 6,615.00
590-70		IRRIGATION SYSTEM	LS	1	\$ 229,037.70	\$ 229,037.70
		CONCRETE REMOVAL (SEPARATOR)	SY	5,800		\$ 65,772.00
		TYPE D CURB REPLACEMENT	LF	6,214		\$ 125,522.80
TOTAL LANDSCAPE, IRRIGATION AND HARDSCAPE COST						\$ 1,066,728.69
TOTAL FDOT LANDSCAPE BUDGET (See Below)						\$ 405,852.25
TOTAL BUDGET FROM RESURFACING PROJECT						\$ 160,000.00
TOTAL BUDGET FROM SR 7 COLLABORATIVE PROJECT						\$ 220,852.25
TOTAL BUDGET FROM FDOT GRANT PROJECT						\$ 25,000.00
TOTAL BUDGET CONTRIBUTED BY CITY OF MARGATE						\$ 660,876.44

SR 7 / US 441 Resurfacing - Margate - Irrigation Cost Estimate

Last Update: 6/10/2009

FPI# 416878-1-52-01

Cottleur & Hearing Project No. 07-0115

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL QTY	UNIT COST	SUB TOTAL
590-70	IRRIGATION SYSTEM				
	RAINBIRD 1800 SERIES, 6" POP UPS	EA	793	\$ 18.00	\$ 14,274.00
	RAINBIRD 1800 SERIES, 12" POP UPS	EA	797	\$ 25.00	\$ 19,925.00
	RAINBIRD 1800 SERIES, PRS 12" POP UPS	EA	163	\$ 22.00	\$ 3,586.00
	RAINBIRD SHRUB ADAPTER ON PVC RISER	EA	29	\$ 7.00	\$ 203.00
	IRRITROL 100 SERIES, 1-1/2" ELECTRIC VALVE WITH ACTUATORS	EA	1	\$ 285.00	\$ 285.00
	IRRITROL 100 SERIES, 2" ELECTRIC VALVE WITH ACTUATORS	EA	71	\$ 320.00	\$ 22,720.00
	RAINBIRD PGA SERIES, 2" ELECTRIC VALVE	EA	2	\$ 220.00	\$ 440.00
	WILKIN 1" PRESSURE VACUUM BREAKER	EA	4	\$ 500.00	\$ 2,000.00
	LEIT 4000, 4 STATION SOLAR CONTROLLER WITH RAIN SENSOR	EA	5	\$ 1,700.00	\$ 8,500.00
	LEIT 4000, 6 STATION SOLAR CONTROLLER WITH RAIN SENSOR	EA	3	\$ 2,000.00	\$ 6,000.00
	LEIT XRC, 10 STATION SOLAR CONTROLLER WITH RAIN SENSOR	EA	3	\$ 2,500.00	\$ 7,500.00
	LEIT XRC, 16 STATION SOLAR CONTROLLER WITH RAIN SENSOR	EA	2	\$ 3,000.00	\$ 6,000.00
	SCH. 160 PVC LATERAL LINE	LF	21,890	\$ 0.76	\$ 16,636.40
	SCH. 40 MAINLINE	LF	9,071	\$ 5.80	\$ 52,611.80
	SCH. 40 PVC SLEEVE, SCH. 40 ELECTRIC CONDUIT & INSTALLATION	LF	1,238	\$ 9.25	\$ 11,451.50
	H.D.P.E. PIPE, DIRECTIONALLY BORED	LF	767	\$ 55.00	\$ 42,185.00
	LOW VOLTAGE WIRE	LF	13,000	\$ 0.34	\$ 4,420.00
	MISC. FITTINGS	LS	1	\$ 2,000.00	\$ 2,000.00
	TAP WATER MAIN, INSTALL SERVICE LINE & 1" METER (METER INSTALLED BY CITY, PAID FOR BY CONTRACTOR)	EA	3	\$ 1,600.00	\$ 4,800.00
	TAP WATER MAIN, INSTALL SERVICE LINE & 5/8" METER (METER INSTALLED BY CITY, PAID FOR BY CONTRACTOR)	EA	1	\$ 1,500.00	\$ 1,500.00
	PAVEMENT REMOVAL AND RESTORATION	LS	1	\$ 2,000.00	\$ 2,000.00
TOTAL IRRIGATION SYSTEM COST				\$	\$ 229,037.70

*WATER METER IMPACT FEES AND WATER BILLS ARE TO BE PAID FOR BY THE CITY OF MARGATE AND ARE NOT INCLUDED IN THE COST OF THE IRRIGATION SYSTEM.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

3400 West Commercial Boulevard
Fort Lauderdale, FL 33309-3421

STEPHANIE C. KOPELOUSOS
SECRETARY

July 13, 2009

Mr. Dennis Holste
Assistant Director Margate CRA
City of Margate
5790 Margate Blvd.
Margate, Florida 33063

Dear Mr. Holste:

RE: District Four Amendment Number One Inclusive Maintenance Memorandum of Agreement for State Road 7 (US 441) from (M.P.16.698) to just north of N.W. 31st Street (M.P.20.60). FM# 416878-1-52-01.

Enclosed is one (1) original executed Amendment Number One to the Inclusive Maintenance Memorandum of Agreement executed July 16, 2008 for improvements to be installed along State Road 7 (US 441) in the City of Margate under Financial Project Number 416878-1-52-01.

If you have any questions or need further information, please contact me at (954) 777-4219.

Sincerely,

Elisabeth A. Hassett, R.L.A.
District Landscape Architect

Enclosures

CC: F.Porcella, City Manager, City of Margate
D.Pessoa, P.E., FDOT
File

