

P@ 4/28/15 (L) CR #6

DOCUMENT ROUTING FORM

NAME OF DOCUMENT: FDOT: AMENDMENT NO. 9 TO LANDSCAPE INCLUSIVE MEMORANDUM OF AGREEMENT

4-7-15- CR-6

Routing Origin: CAO Also attached: copy of CAM Original Documents

City Attorney's Office: Approved as to Form 6 Originals and Delivered to City Manager on _____.

Assistant City Attorney: Rhonda Montoya Hasan *RMN by ma*

Sr. Assistant City Attorney: _____

CIP FUNDED YES NO
Capital Investment / Community Improvement Projects

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, real.

2) City Manager: Please sign as indicated and forward 6 originals to Mayor.

3) Mayor: Please sign as indicated and forward 6 originals to Clerk for attestation and City seal.

INSTRUCTIONS TO CLERK'S OFFICE

Karen mandrela 3798

4) City Clerk: Retains one original and forwards 5 original documents to: - Clerk if 15-74 is not attached when the originals reach you - please attach signed, certified 15-74 to Agreement going to FDOT
→ Original Route form to Glynis CAO
Thank you

4/23



Florida Department of Transportation

**RICK SCOTT
GOVERNOR**

3400 West Commercial Boulevard
Fort Lauderdale, FL 33309

**ANANTH PRASAD, P.E.
SECRETARY**

May 7, 2015

CITY CLERK
2015 MAY 13 PM 12:08

Ms. Karen Mendrela
Principal Planner
Transportation & Mobility
City of Fort Lauderdale
290 N.E. 3rd Avenue
Fort Lauderdale, Florida 33301

Dear Ms. Mendrala,

RE: District Four (4) Amendment Number Nine (9) Landscape Maintenance Memorandum of Agreement (MMOA) for State Road A1A from N.E. 9th Street (M.P. 3.248) to N.E. 18th Street (M.P. 4.322). FM# 433688-6-52-01.

Enclosed please find three (3) original executed Amendment Number Nine (9) Landscape Maintenance Memorandum of Agreement (MMOA) for State Road A1A from **N.E. 9th Street (M.P. 3.248) to N.E. 18th Street (M.P. 4.322)**. This agreement is in the City of Fort Lauderdale under FM# 433688-6-52-01.

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

Enclosure
CC:S. Peterson, P.E., FDOT
File

SECTION No.(s): 860500
S.R. No.(s): A1A
FM No: 433688-6-52-01
COUNTY: BROWARD COUNTY

**DISTRICT FOUR (4) AMENDMENT NUMBER NINE (9) TO STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE
MEMORANDUM OF AGREEMENT**

THIS AMENDMENT Number Nine (9) to the Agreement dated January 31, 2008, made and entered into this 7th day of May 2015 by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT and the CITY OF FORT LAUDERDALE, 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, January 31, 2008 for the purpose of maintaining the landscape improvements by the AGENCY on State Road A1A ; and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road A1A in accordance with the above referenced Agreement; and,

WHEREAS, the AGENCY by Resolution No. 15-74 dated April 7, 2015 attached hereto and by this reference made a part hereof, desires to enter into this Agreement and authorized its officers to do so; 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 paragraph 14 of the Landscape Inclusive Maintenance Memorandum of Agreement for State Road A1A dated January 31, 2008, the DEPARTMENT has decided to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road A1A from N.E. 9th Street (M.P. 3.248) to N.E. 18th Street (M.P. 4.322) in accordance with the plans attached as **Exhibit "B"**.
2. The AGENCY shall agree to maintain the additional landscape improvements in the Agreement described above according the **Exhibit "C"** Maintenance Plan, attached to this Amendment.
3. 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 \$973,204.00.

4-7-15
CR-6
15-0346

2015 MAY 18 PM 12:09

CITY CLERK

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 Landscape Improvements
- Exhibit D - Approximate Cost For Landscape Improvements

IN WITNESS WHEREOF, this Agreement is to be executed below for the purposes specified herein. Authorization has been given to enter into and execute this Agreement by Resolution 15-74, hereto attached.

WITNESSES:

Jeannette A. Johnson
Jeannette A. Johnson
[Witness type/print name]

Miranda Scott
MIRANDA SCOTT
[Witness type/print name]

CITY OF FORT LAUDERDALE

John P. "Jack" Seiler
John P. "Jack" Seiler, Mayor

Lee R. Feldman
Lee R. Feldman, City Manager

ATTEST:

Jonda K. Joseph
Jonda K. Joseph, City Clerk

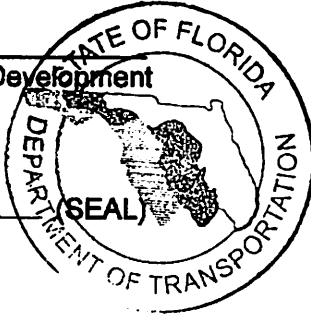
APPROVED AS TO FORM:

Rhonda Montoya Hasan
Rhonda Montoya Hasan
Assistant City Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: [Signature]
Director of Transportation Development

Attest: [Signature]
Executive Secretary



Legal Review

Date

[Signature] 5/6/2015

Office of the General Counsel

SECTION No.(s): 860500
S.R. No.(s): A1A
FM No: 433688-6-01
COUNTY: BROWARD COUNTY

EXHIBIT A

**LANDSCAPE IMPROVEMENTS PROJECT LIMITS
MAINTENANCE BOUNDARIES LIMITS AND LOCATION MAP**

- I. **LANDSCAPE PROJECT LIMITS:**
State Road A1A from N.E. 9th Street (M.P. 3.248) to N.E. 18th Street (M.P. 4.322) (M.P. 4.322)

- II. **INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS:**
North Fort Lauderdale Beach Area (Section 86050000)
M.P. 2.039 (South of Poinsettia Street) to M.P. 6.410 (Flamingo Drive)

- III. **MAINTENANCE BOUNDARY LIMITS MAP:**

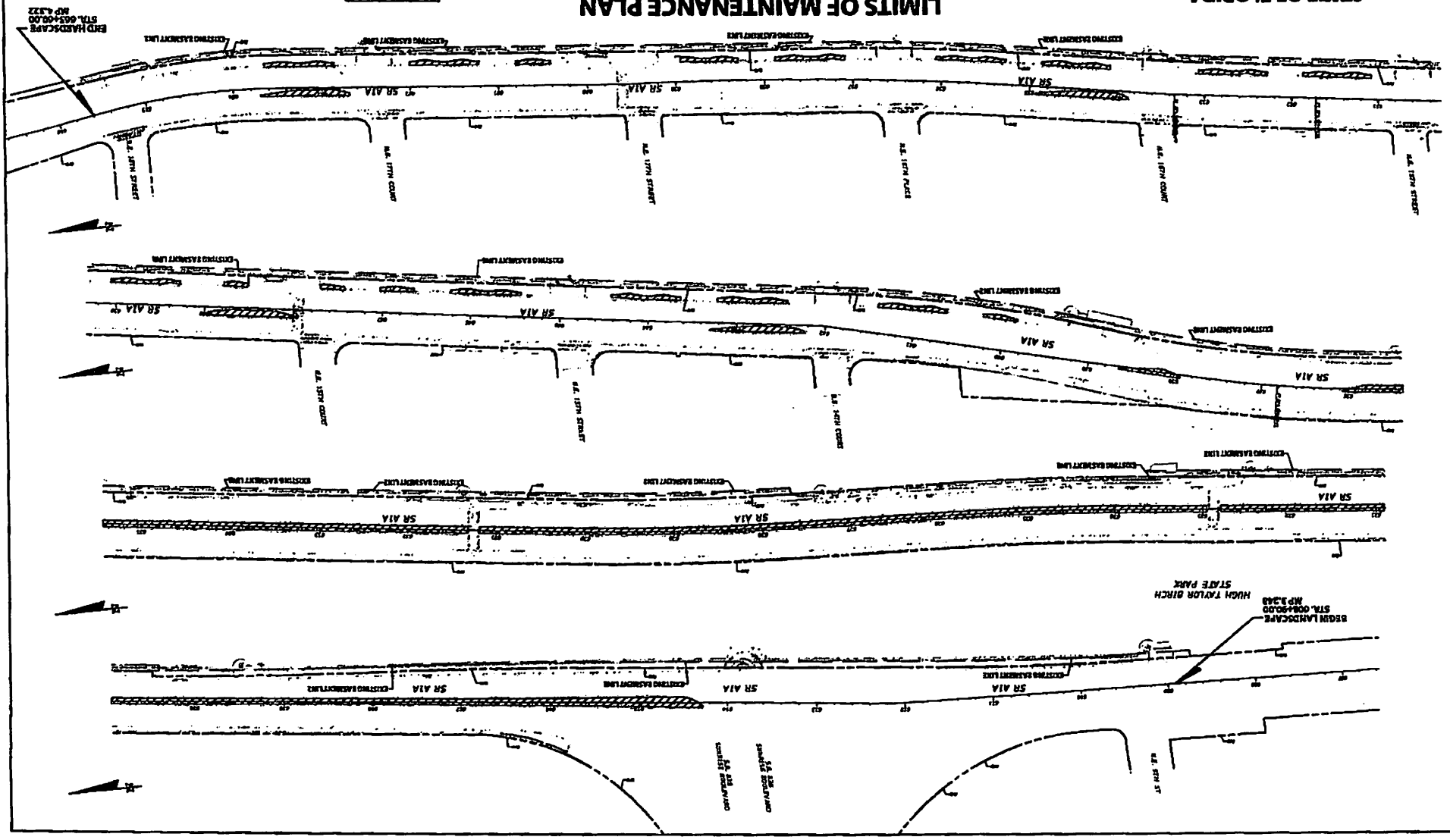
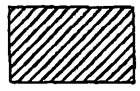
***All limits of the original agreement and amendments shall apply**

Please See Attached

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
FPI 433688-6-52-01

**LIMITS OF MAINTENANCE PLAN
SR A1A
BROWARD COUNTY**

LIMITS OF MAINTENANCE
BY CITY OF FORT LAUDERDALE



SECTION No.(s): 860500
S.R. No.(s): A1A
FM No: 433688-6-52-01
COUNTY: BROWARD COUNTY

EXHIBIT B

LANDSCAPE IMPROVEMENT PLANS

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

Please see attached plans prepared by: Cheryl C. Callender, R.L.A. 6667177
Keith and Schnars, PA.
Date: January 14, 2015

Sheets LD -1 - 4
SQ -1 & 2
LD - 5 - 43

COMPONENTS OF CONTRACT PLANS SET

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

- SHEET NO.
- LD-1 SHEET DESCRIPTION
- LD-2 SIGNATURE SHEET
- LD-3 SUBMITTAL SHEET
- LD-4 TABULATION OF QUANTITIES
- SD-1 LANDSCAPE NOTES
- SD-2 LANDSCAPE NOTES
- SD-3 LANDSCAPE NOTES
- LD-5 LANDSCAPE DETAILS
- LD-6 TO LD-7 LANDSCAPE DETAILS
- LD-8 SHEET LAYOUT
- LD-9 TO LD-22 LANDSCAPE PLAN
- LD-23 IRRIGATION TABULATION OF QUANTITIES
- LD-24 IRRIGATION NOTES
- LD-25 IRRIGATION DETAILS
- LD-26 TO LD-30 IRRIGATION PLAN
- LD-31 TRAFFIC CONTROL PLAN
- LD-32 TO LD-38 TRAFFIC CONTROL PLAN GENERAL NOTES
- LD-39 TO LD-43 TRAFFIC CONTROL PLAN

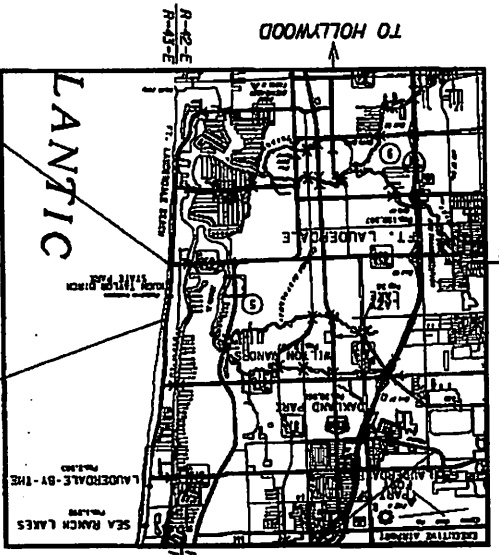
GOVERNOR STANDARDS AND SPECIFICATIONS:
 FLORIDA DEPARTMENT OF TRANSPORTATION, LANTIC DESIGN STANDARDS AND SPECIFICATIONS
 DESIGNER CHECK DRAWINGS AS APPLICABLE HEREIN, AND ALL DESIGN STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS APPLICABLE BY CONTRACT DOCUMENTS.
 FOLLOWING MESSAGE:
 FOR DESIGN STANDARDS CHECK ON THE DESIGN STANDARDS LINK AT THE FOLLOWING WEBSITE:
<http://www.dot.state.fl.us/standards/specifications>
 FOR THE STANDARDS CHECK DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION CHECK ON THE "DESIGN CHECKERS" LINK AT THE FOLLOWING WEBSITE:
<http://www.dot.state.fl.us/standards/specifications>

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 433688-6-52-01
 BROWARD COUNTY (86050)
 STATE ROAD NO. A1A

LANDSCAPE PLANS



LENGTH OF PROJECT

ROADWAY	5,637.00	1,079
BRIDGES	N/A	N/A
NET LENGTH OF PROJECT	5,637.00	1,079
EXCEPTIONS	N/A	N/A
GROSS LENGTH OF PROJECT	5,637.00	1,079
LINEAR FEET		MILES

FDOT PROJECT MANAGER: SCOTT PETERSON, PE

KEY SHEET REVISIONS

DATE	DESCRIPTION

CONSTRUCTABILITY
 JANUARY 2015

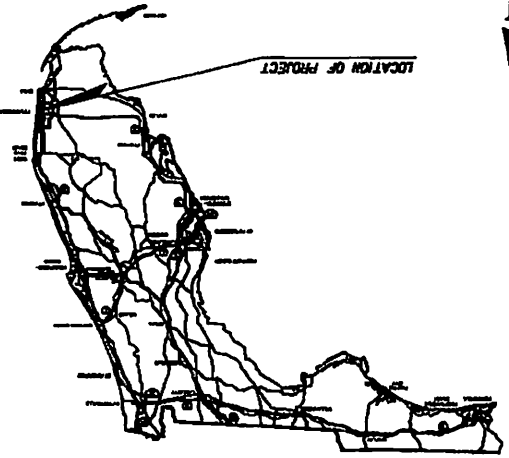
LANDSCAPE PLANS ARCHITECT: CHERYL C. CALLENDER, R.L.A.
 R.L.A. NO.: 66877

LANDSCAPE SHOP DRAWINGS TO BE SUBMITTED TO:
 CHERYL C. CALLENDER, R.L.A.
 KETH AND SCHWAB, P.A.
 6500 NORTH ANDREWS AVE
 FT. LAUDERDALE, FL 33309
 (954) 716-1646

PLANS PREPARED BY:
 KETH AND SCHWAB, P.A.
 FT. LAUDERDALE, FL 33309-0332
 F.L. LAUDERDALE, FL 33309-0332

CERTIFICATE OF AUTHORIZATION NO. 1337
 VENDOR IDENTIFICATION NO. 59-405-307
 CONTRACT NO. C-902

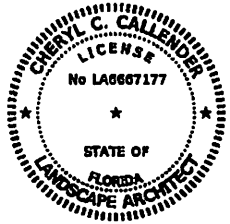
NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.



CONSTRUCTION CONTRACT NO.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61B04.001, F.A.C.

LD-1	16
FISCAL SHEET NO.	YEAR

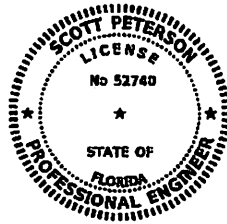


KEITH AND SCHNARS, P.A.
 6500 NORTH ANDREWS AVE
 FT. LAUDERDALE, FL 33309
 CERTIFICATE OF AUTHORIZATION #4337
 CHERYL C CALLENDER, R.L.A. NO. 6667177

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, 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	TABULATION OF QUANTITIES
LD-5	LANDSCAPE NOTES
LD-6 TO LD-7	LANDSCAPE DETAILS
LD-8	SHEET LAYOUT
LD-9 TO LD-22	LANDSCAPE PLAN
LD-23	IRRIGATION TABULATION OF QUANTITIES
LD-24	IRRIGATION NOTES
LD-25	IRRIGATION DETAILS
LD-26 TO LD-39	IRRIGATION PLAN



FLORIDA DEPARTMENT OF TRANSPORTATION,
 DISTRICT IV
 3400 WEST COMMERCIAL BOULEVARD
 FT. LAUDERDALE, FL 33309
 SCOTT PETERSON, P.E. NO. 52740

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.003, F. A. C.

LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-2	SIGNATURE SHEET
SQ-1 TO SQ-2	SUMMARY OF QUANTITIES
LD-40	TRAFFIC CONTROL PLAN GENERAL NOTES
LD-41 TO LD-43	TRAFFIC CONTROL PLAN

REVISIONS						CERTIFICATE OF AUTHORIZATION #4337 KEITH and SCHNARS, P.A. 6500 N. Andrews Ave, Ft. Lauderdale, FL 33309-2132 (954)778-1210	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. SIGNATURE SHEET LD-2
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
						A1A	BROWARD	433688-6-52-01		

08/30/2018 11:21:07 AM

FLORIDA DEPARTMENT OF TRANSPORTATION
 PROJECT SUMMARY OF PAY ITEMS
 FOR PROJECT: 433688-6-52-01

LEAD PROJECT : 433688-6-52-01 DISTRICT : 04 COUNTY/SECTION : 80950000
 PROJECT(S) : 43368883701 COUNTY : BROWARD

GOOD SUMMARY OF LANDSCAPE / PESTICIDAL

SPEC ALY	ITEM NUMBER	ITEM DESCRIPTION	UNIT	4336885301 QUANTITY TOTAL
	0992- 3-	LUMP SUM CONTRACT, ALTERNATIVE BIDDING	LS	1.000
	0993- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID	LS	1.000

NOTE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 600.009, F.A.C.

	SUMMARY OF PAY ITEMS	
STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID A/A BROWARD 433688-6-52-01		
LEAD PROJECT : 433688-6-52-01 COUNTY : BROWARD PROJECT(S) : 43368883701		
KEITH and SCHNARS, P.A. <small>REGISTERED PROFESSIONAL ENGINEERS AND ARCHITECTS 200 N. Andrews Ave., Ft. Lauderdale, FL 33301-4122 (954) 778-1473</small>		
DATE	REVISION	DESCRIPTION

SUMMARY OF LUMP SUM ITEMS					
PAY ITEM NO.	PAY ITEM DESCRIPTION	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
		P	F		
101-1	Mobilization	1			
099-2	Lump Sum Contract	1			
099-23	Initial Contingency Amount	1			

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE I			PHASE IA			PHASE II			TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION		TOTAL	DURATION		TOTAL	DURATION		TOTAL	TOTAL			
			DAYS	P	P	DAYS	P	DAYS	P	DAYS	P	P	F		
	Maintenance of Traffic	LS													
	Work Zone Sign	ED													
	Temporary Barricade, Types T, TT, DT, VP, Drum, or Icon	ED													
	Barricade Temporary, Type III, 6'	ED													
	Arrow Board/ Advance Warning Arrow Panel	ED													
	High Intensity Flashing Lights, Temp. Type B	ED													
	Portable Changeable Message Sign	ED													

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS															
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PHASE III			PHASE IV			TOTAL			GRAND TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
			DURATION		TOTAL	DURATION		TOTAL	DURATION		TOTAL	TOTAL			
			DAYS	P	P	DAYS	P	DAYS	P	P	F	P	F		
	Maintenance of Traffic	LS													
	Work Zone Sign	ED													
	Temporary Barricade, Types T, TT, DT, VP, Drum, or Icon	ED													
	Barricade Temporary, Type III, 6'	ED													
	Arrow Board/ Advance Warning Arrow Panel	ED													
	High Intensity Flashing Lights, Temp. Type B	ED													
	Portable Changeable Message Sign	ED													

DATE	DESCRIPTION	DATE	DESCRIPTION
ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 37240 FOOT DISTRICT IV 3008 WEST COMMERCIAL BLVD. GAITHERSBURG, MD, PL 33009 (410) 777-4410 scott.peterson@dot.state.md.us			
REVISIONS		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION	
ROAD NO. A1A		COUNTY BROWARD	
FINANCIAL PROJECT ID 433986-6-02-01		SUMMARY OF QUANTITIES	
SHEET NO.		SQ-1	

SUMMARY OF LITTER REMOVAL AND MOWING

CONST. PHASE	LOCATION STA. TO STA.	SIDE	DURATION (DAYS)	FREQUENCY (DAYS)	LITTER REMOVAL				MOWING				DESIGN NOTES	
					AREA ID	LENGTH	WIDTH	CYCLES	AREA TOTAL (AC) P F	AREA ID	LENGTH	WIDTH		CYCLES
I				30										
IA				30										
II				30										
III				30										

SHEET NO.

50-2

SUMMARY OF QUANTITIES

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY PROJECT ID
AIA BROWARD 483686-6-52-01

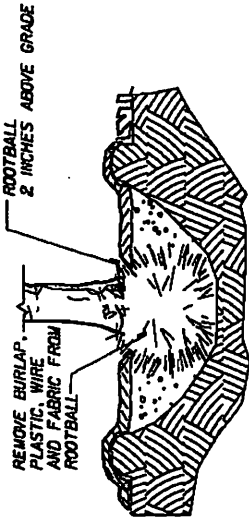
ENGINEER OF RECORD: SCOTT PETERSON, P.E.
P.E. LICENSE NUMBER 52740
FOOT DISTRICT OFFICIAL BLDG.
4100 W. BURGESS BLVD., FL 33309
(954) 777-4416
scott.peterson@dol.state.fl.us

DATE	DESCRIPTION	DATE	DESCRIPTION

DATE: 10/12/2014 10:38:53 AM

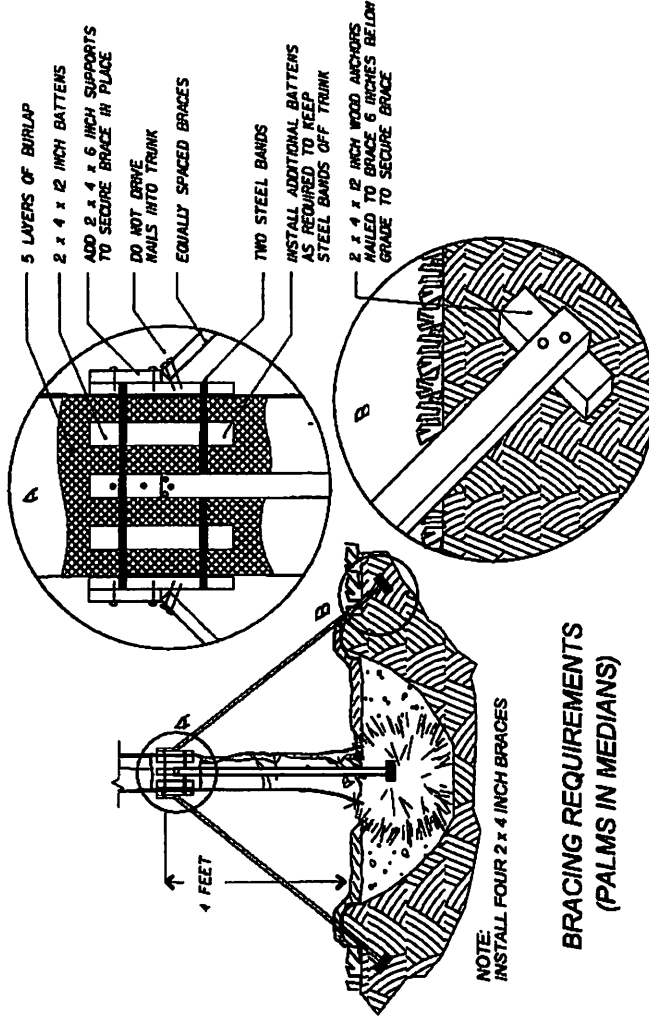
7/23/15

483686-6-52-01

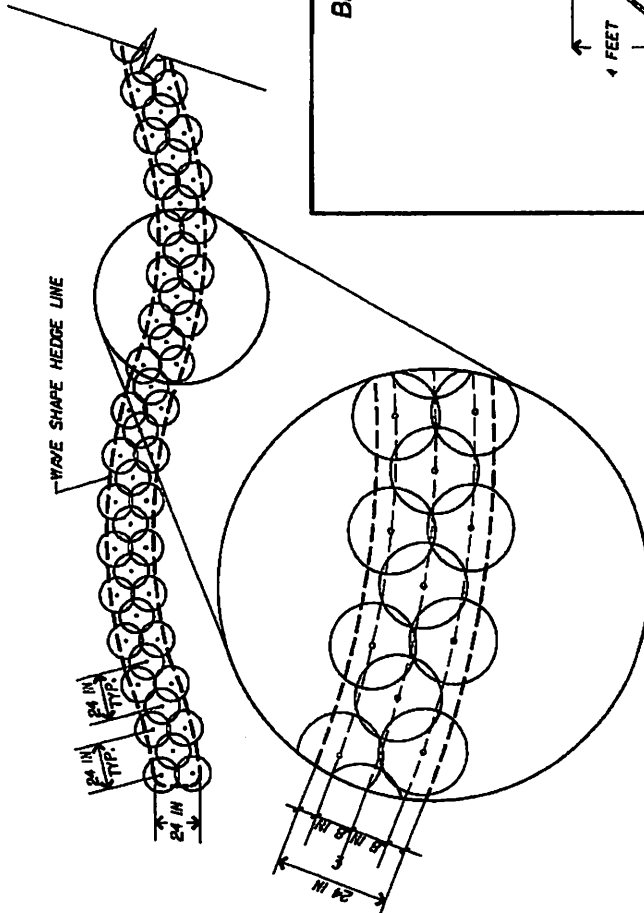


PALM INSTALLATION REQUIREMENTS
NOT TO SCALE

BRACING DETAILS REPLACE INDEX 544 BRACING DETAILS
NOT TO SCALE



BRACING REQUIREMENTS (PALMS IN MEDIANS)



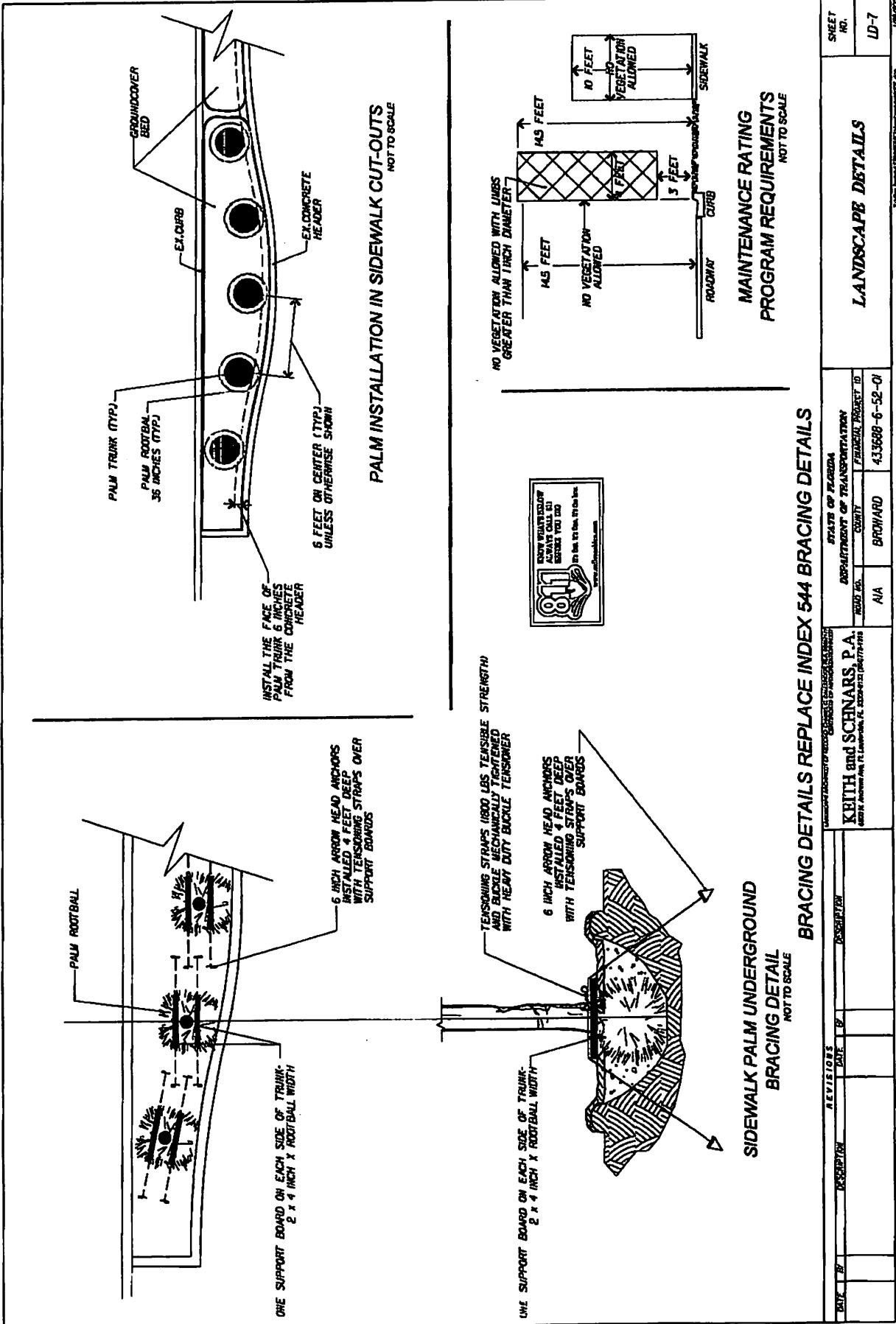
SILVER BUTTONWOOD WAVE HEDGE
INSTALLATION DETAIL
NOT TO SCALE



REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION PROJECT NO. 7 BRIDGE PROJECT ID A/A		BRIDGE NO. 433688-6-52-01	
LANDSCAPE DETAILS			
SHEET NO.		LD-6	

KEITH and SCHNARS, P.A.
800 N. Andrus Ave., Ft. Lauderdale, FL 33304-3333 (305) 774-8888



PALM INSTALLATION IN SIDEWALK CUT-OUTS
NOT TO SCALE

MAINTENANCE RATING PROGRAM REQUIREMENTS
NOT TO SCALE

BRACING DETAILS REPLACE INDEX 544 BRACING DETAILS

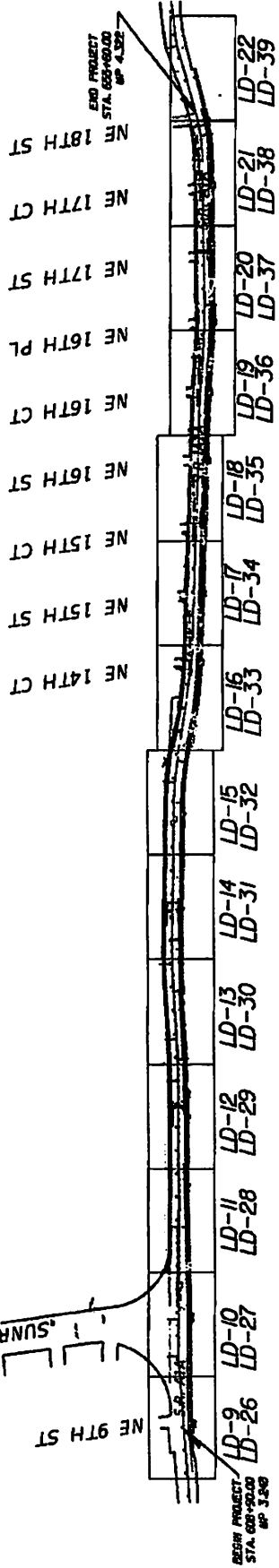
SIDEWALK PALM UNDERGROUND BRACING DETAIL
NOT TO SCALE

REVISIONS		DESCRIPTION		DATE BY	

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		SHEET NO. LD-7	
BROWARD COUNTY		PROJECT ID 433688-6-52-C1		LANDSCAPE DETAILS	
AIA		BROWARD			
KEITH and SCNARS, P.A.		DESIGNER			
1000 N. UNIVERSITY AVENUE, SUITE 100, FORT LAUDERDALE, FL 33304-1111					



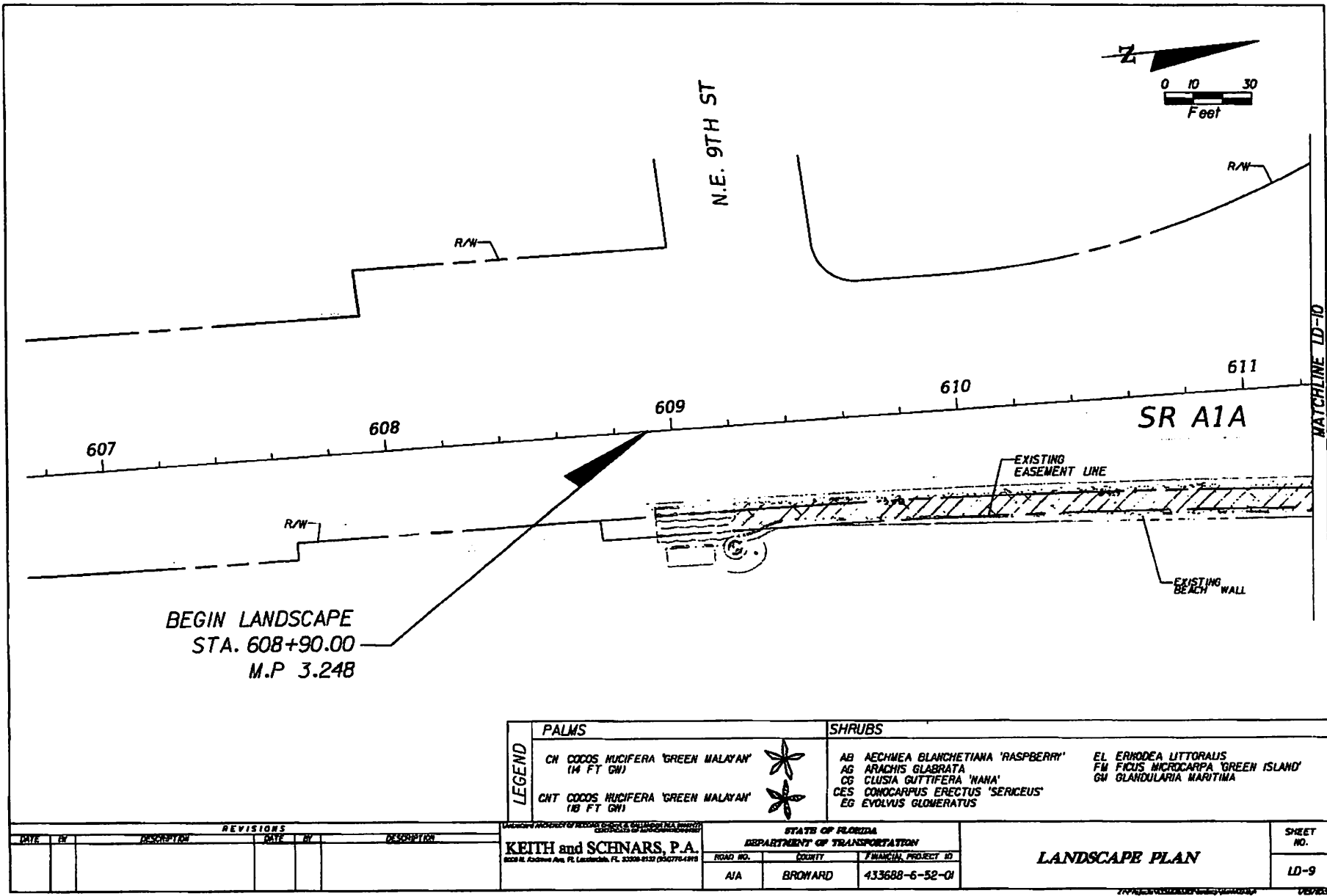
NE 9TH ST
S.R. SUNRISE BOULEVARD
838



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D002.01, F.A.C.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433688-6-52-01		SHEET NO. LD-8
CONTRACTOR: KEITH and SCHNARS, P.A. 2000 S. UNIVERSITY AVENUE, SUITE 100, GAITHERSBURG, MD 20878-4000 (301) 251-1100		
DATE	REVISIONS	DESCRIPTION
	NO. 1	DESCRIPTION

DATE PLOTTED: 03/20/2007 10:00 AM



BEGIN LANDSCAPE
 STA. 608+90.00
 M.P. 3.248

LEGEND	PALMS	SHRUBS
	CN COCOS NUCIFERA 'GREEN MALAYAN' (14 FT GW) CNT COCOS NUCIFERA 'GREEN MALAYAN' (18 FT GW)	

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

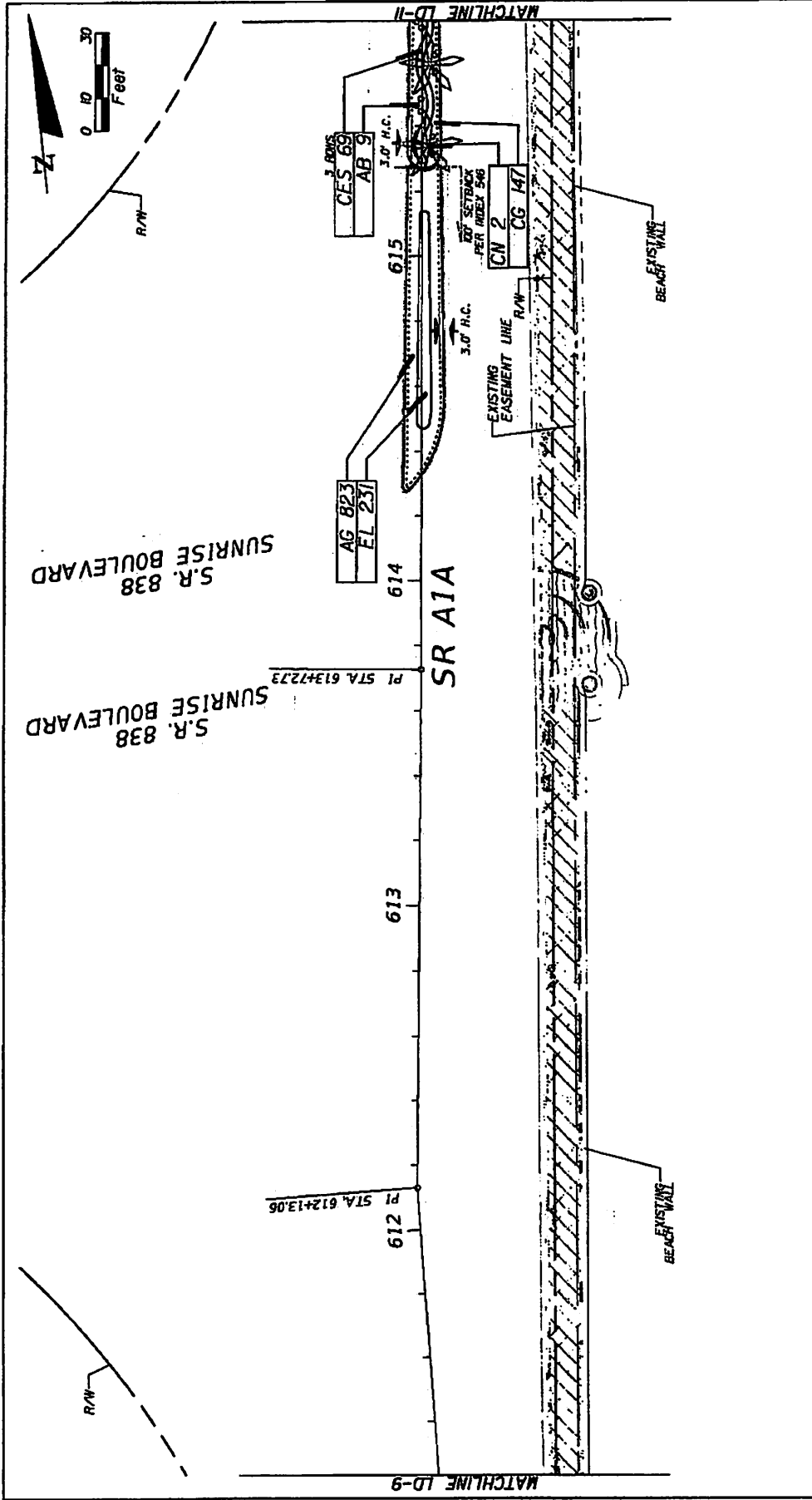
KEITH and SCHNARS, P.A.
 8028 N. Redwood Ave., Ft. Lauderdale, FL 33328-8127 (304)776-4193

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
A1A	BROWARD	433688-6-52-01

LANDSCAPE PLAN

SHEET NO.
LD-9

MATCHLINE LD-10
 NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D8-2.001, F.A.C.



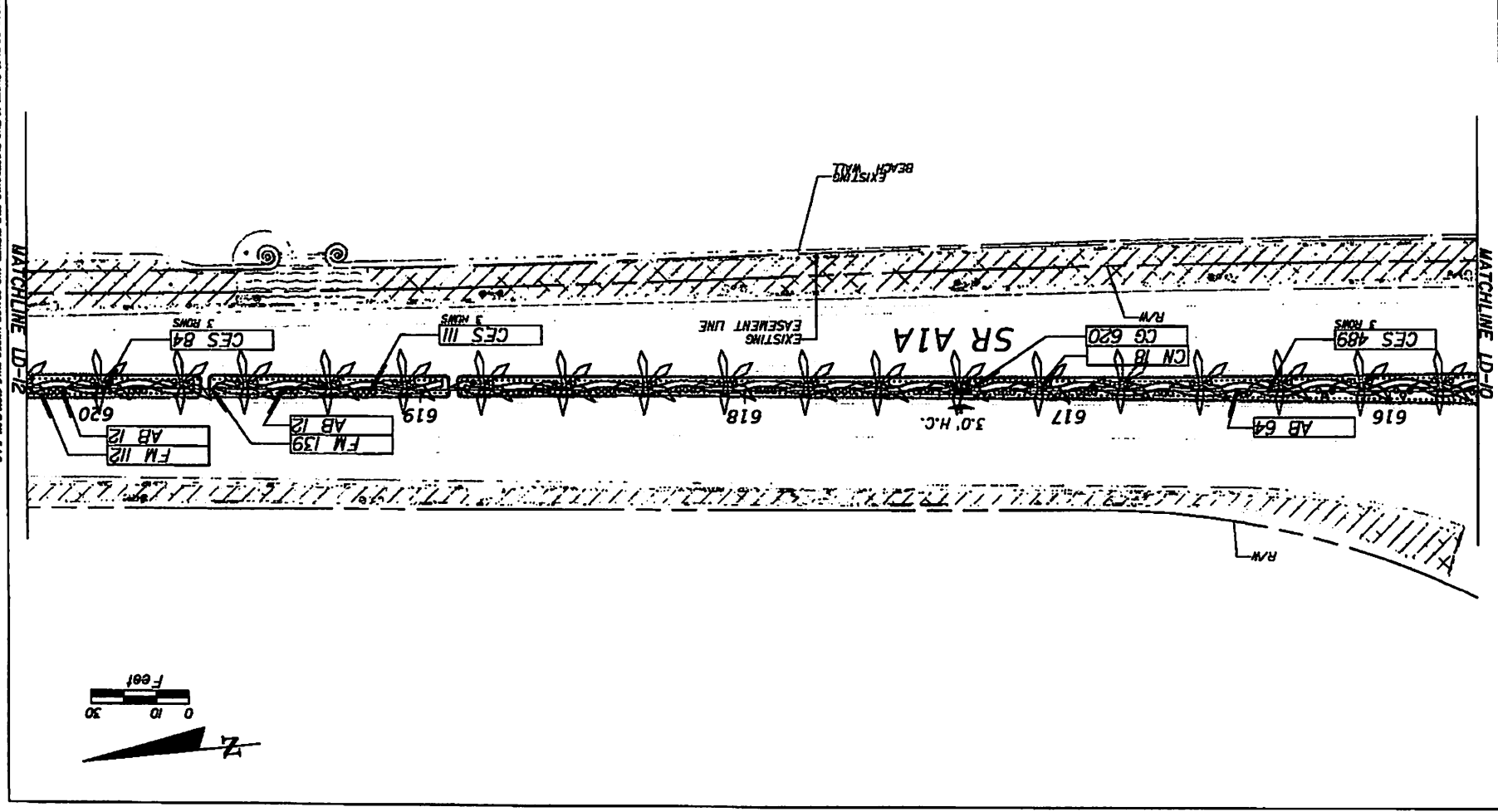
DATE	REVISION	REVISOR	DATE	DESCRIPTION

LEGEND PALMS CH CoccoS RUCIFERA 'GREEN MALAYAN' 14 FT. CM CHT CoccoS RUCIFERA 'GREEN MALAYAN' 18 FT. CM		SHRUBS AB AECHMEA BLANCHETIANA 'RASPBERRY' AG ARACHIS GLABRATA 'WAMA' CG CLUSIA GUTTIFERA CES COMOCARPUS ERECTUS 'SERICEUS' EG EVOLVUS GLOMERATUS	
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT ID 433668-6-52-01		SHEET NO. LD-10	
KEITH and SCHNARS, P.A. 200 N. ANDERSON AVE. FT. LAUDERDALE, FL 33301-3274 (954) 371-1111			

LANDSCAPE PLAN

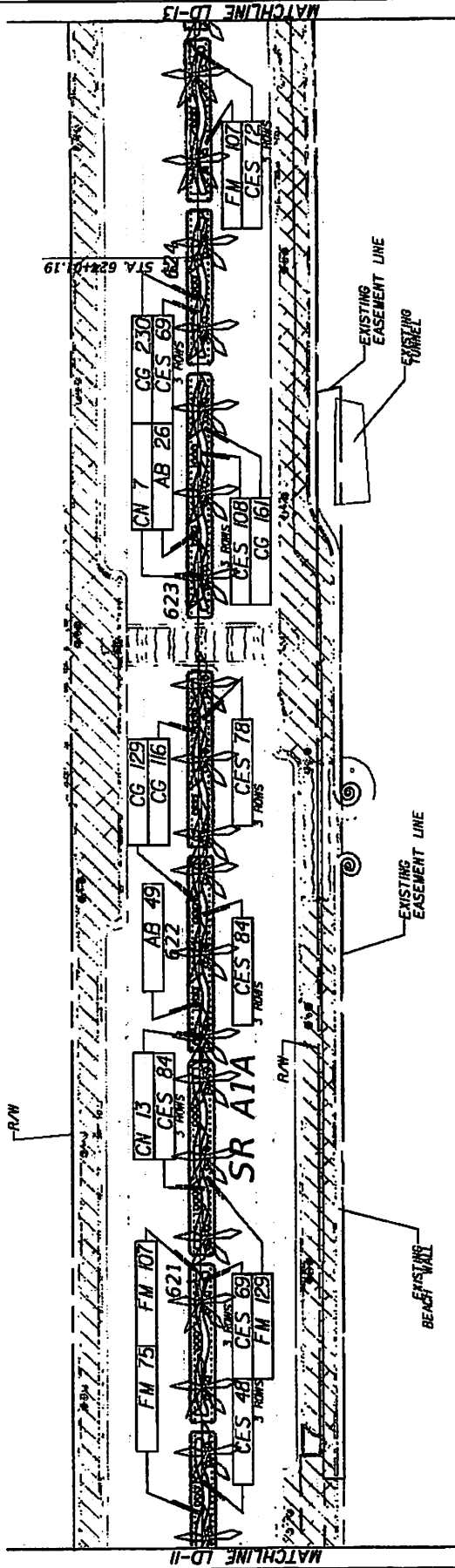
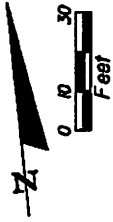
SHEET NO.	LANDSCAPE PLAN	432688-6-52-01	BROWARD	AIA	KEITH and SCHNARS, P.A.	DATE	REVISIONS	DESCRIPTION	DATE
			PROJECT NO.	COUNTY					
LD-11									

PALMS	CN COCOS MACIFERA 'GREEN MALAYAN' (14 FT GW) CMT COCOS MACIFERA 'GREEN MALAYAN' (18 FT GW)
	AB AECHMEA BLANCHETIANA 'RASPBERRY' AG ANACARDIS GLABRATA FM FICUS MICROCARPA 'GREEN ISLAND' GM GLANDULIFERA MARTIANA EG EVOLYS GLOMERATUS CES COMOCARPUS ERECTUS 'SEMCEUS' CG CLUSIA GUTTIFERA 'NANA'
SHRUBS	



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEARCHED UNDER FILE NUMBER 432688-6-52-01.

HUGH TAYLOR BIRCH STATE PARK



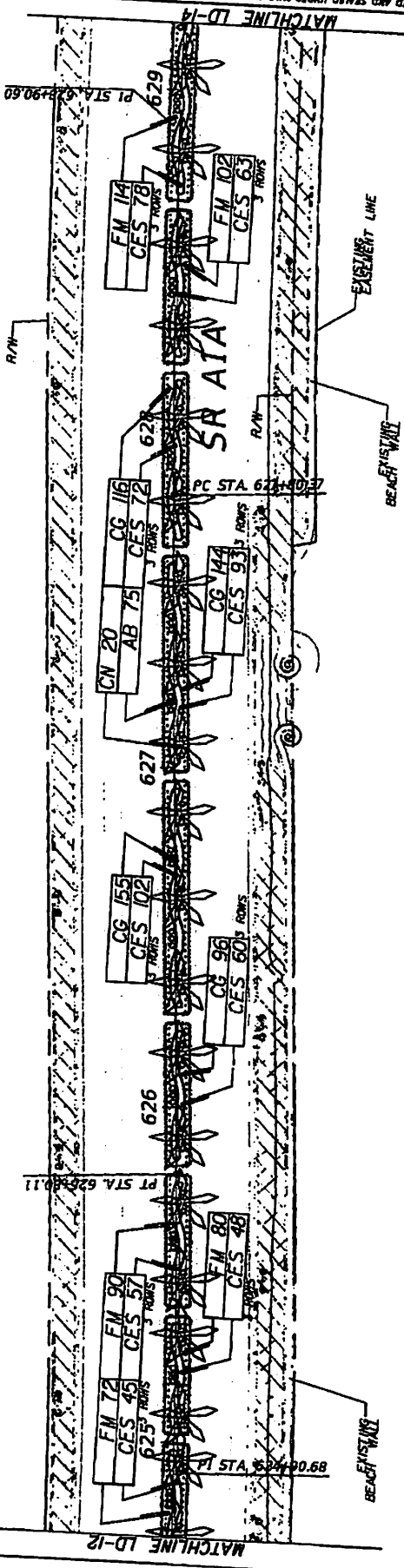
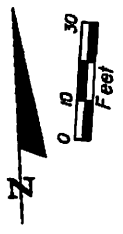
DATE	BY	DESCRIPTION	REVISOR	DATE	BY	DESCRIPTION

LEGEND PALMS CN COCOS THICIFERA 'GREEN MALAYAN' (14 FT CW) CNT COCOS THICIFERA 'GREEN MALAYAN' (18 FT CW)		SHRUBS AB ACCHIEA BLANCHETIANA 'RASPBERRY' AG ARACHIS GLABRATA CG CLUSIA GUTTIFERA 'NANA' CES COMOCARPUS ERECTUS 'SERICEUS' EG EYOLVUS GLOMERATUS	
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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT NO. 433688-6-92-01	EL ERANDEA LITTORALIS 'GREEN ISLAND' FU FICUS MICROCARPA GU GUARDULARIA MARTINA
--	---

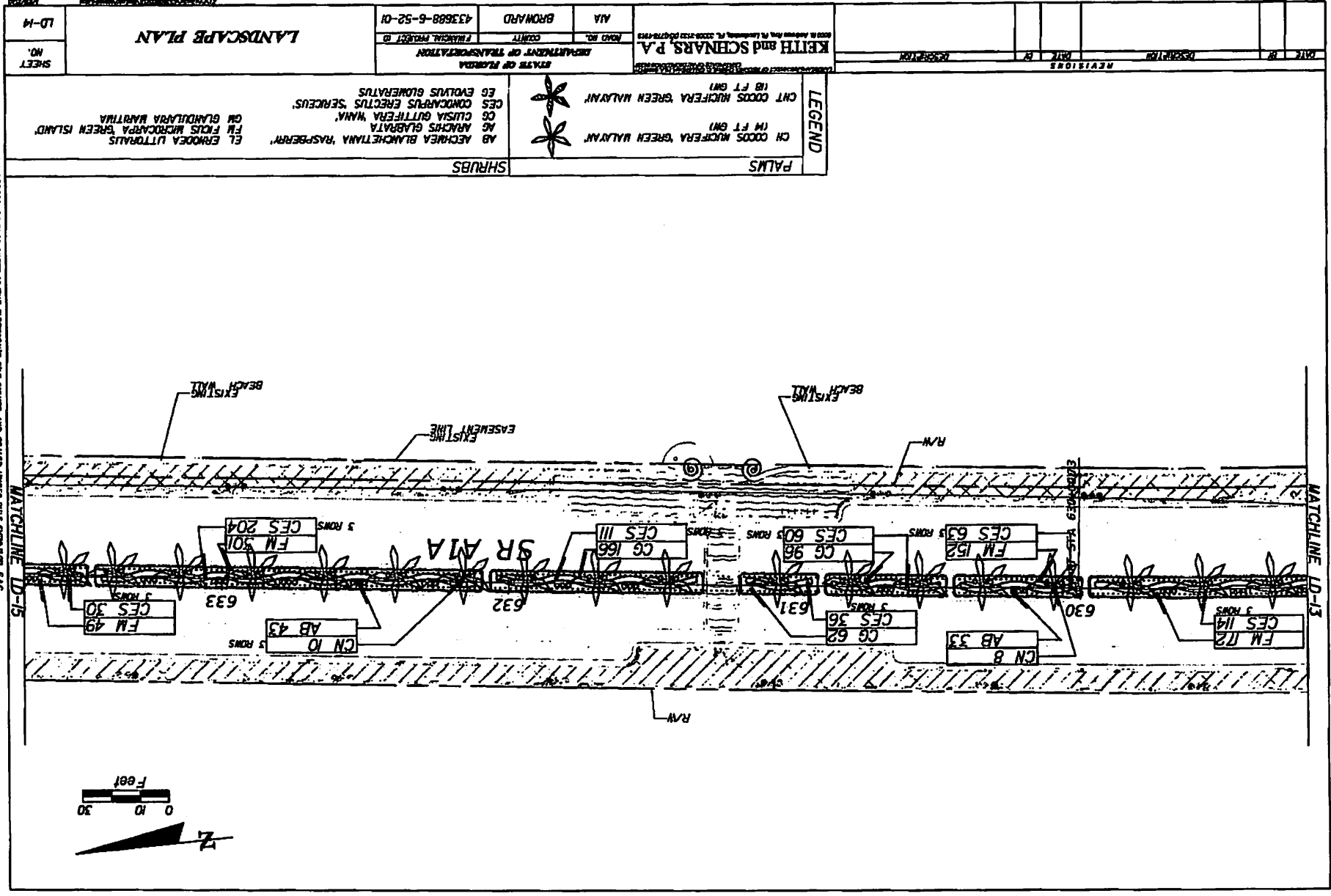
KEITH BIRD SCHNARS, P.A. 2000 N. University Ave., Ft. Lauderdale, FL 33305-5028 (954) 774-1974	SHEET NO. LD-12
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DATE		REVISIONS	DATE	BY	DESCRIPTION
<p>LEGEND</p> <p>PALMS CH COCOS THICIFERA 'GREEN MALAYAN' CNT COCOS THICIFERA 'GREEN MALAYAN' <small>18 FT GW</small></p>					
<p>SHRUBS AB AECHMEA BLANCHETIANA 'RASPBERRY' AC ARACHIS CLABRATA CG CLUSIA CUTTIFERA 'NANA' CES COMOCARPUS ERECTUS 'SERICEUS' EG ECVOLVUS GLOMERATUS</p>					
<p>LANDSCAPE PLAN</p>					
<p>STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT NO. 433688-6-82-01</p>					
<p>KEITH and SCHNARS, P.A. 3000 N. University Ave., Ft. Lauderdale, FL 33308-4127 (407) 784-5000</p>					
<p>PROJECT NO. 433688-6-82-01</p>					<p>SHEET NO. LD-13</p>



DATE		DESCRIPTION		REVISIONS	

SHEET NO.	STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION		COUNTY	ROAD NO.	MILE NO.	PROJECT @	433688-6-52-01
	LANDSCAPE PLAN		BROWARD						
LD-11	KEITH and SCENARS, P.A.								

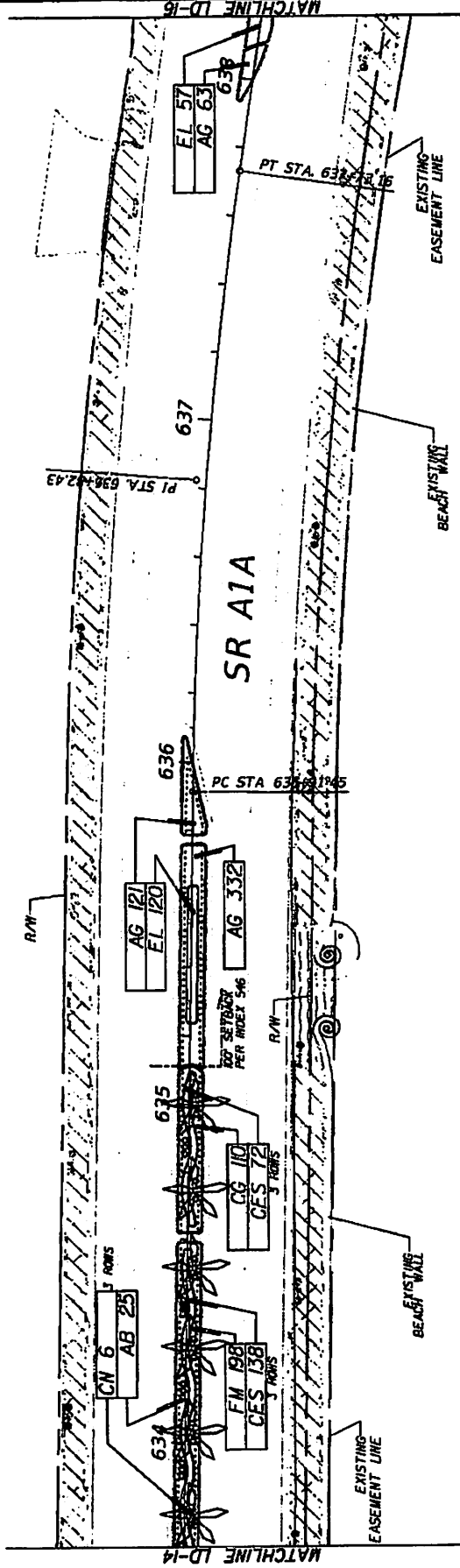
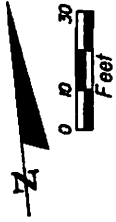
LEGEND	
CH 0005 NUCIFERA GREEN PALMYRA (M FT GNI)	
CN 0005 NUCIFERA GREEN PALMYRA (18 FT GNI)	
PALMS	
SHRUBS	
AB ACEREA BLANCHETTIANA 'RASPBERRY' AG ARACHIS GLABRATA CG CUSIA GUTTIFERA 'NANA' CG CONCARPUS ERECTUS 'SERICEUS' EG EVOLYS GLOMERATUS EL ERMOEA LITORALIS FM FICUS MICROCARPA GREEN ISLAND GM GLANDULIFERA MANTHA	

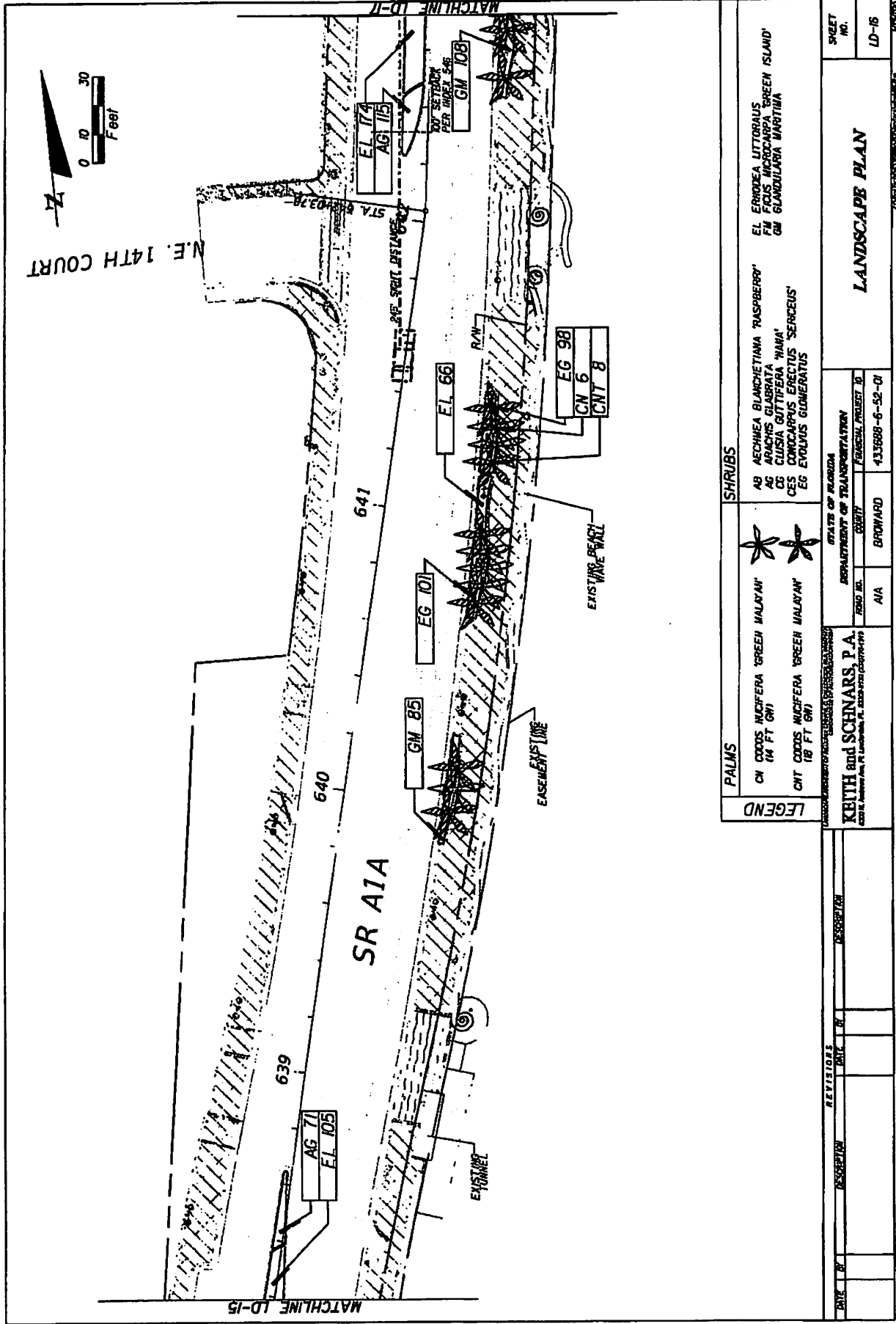
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MATCHLINE D-15

MATCHLINE D-13

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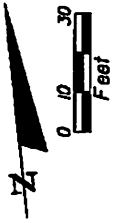


REVISORS		DATE		DESCRIPTION	

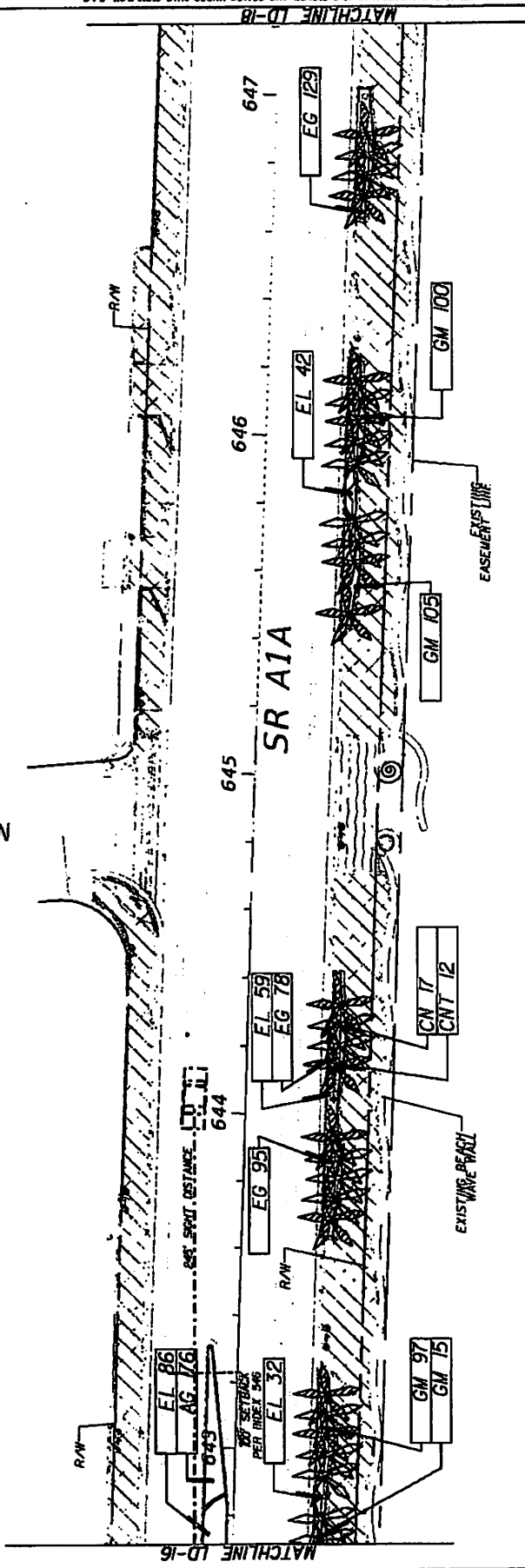
LEGEND PALMS CN COCOS THUFERA 'GREEN MALAYAN' (14 FT. GM) CNT COCOS THUFERA 'GREEN MALAYAN' (18 FT. GM)		SHRUBS AB AECHMEA BLANCHETIANA 'RASPBERRY' AG ARACHIS GLABRATA 'MAMA' CG CLUSIA GUTTIFERA 'MAMA' CES COMOCARPUS ERECTUS 'SERCEUS' EG EVOLVUS GOMERATUS	
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KEITH and SCHNARS, P.A. 600 N. Andrews Ave., Ft. Lauderdale, FL 33309-3702 (305) 461-1199		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 433888-6-52-01 BRIDGE BROWARD	PROJECT NO. 433888-6-52-01
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LANDSCAPE PLAN		SHEET NO. LD-16
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N.E. 15TH STREET



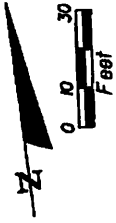
LEGEND

PALMS	SHRUBS
CN COCOS THICIFERA 'GREEN MALYAN' (14 FT GW)	AB AECHEIA BLANCHETIANA 'RASPBERRY'
CNT COCOS THICIFERA 'GREEN MALYAN' (18 FT GW)	EL ERBODIA LITTORALIS
	EG FICUS MICROCARPA 'GREEN ISLAND'
	GM GLANDULARIA MARTINA
	AG ABACUS 'GLABRATA'
	CE CLUSIA GUTTIFERA 'WANA'
	CEB COMOCARPUS ERECTUS 'SERICEUS'
	EG EVOLVUS GLOMERATUS

DATE	REVISION	DATE	DESCRIPTION

STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	PROJECT NO.	433688-6-52-01
ROAD NO.	A1A	SECTION	BROWARD
KEITH and SCIMARS, P.A. <small>REGISTERED PROFESSIONAL LANDSCAPE ARCHITECTS, P.A. 12224 P.O. BOX 20771-1011</small>		LANDSCAPE PLAN SHEET NO. LD-7	

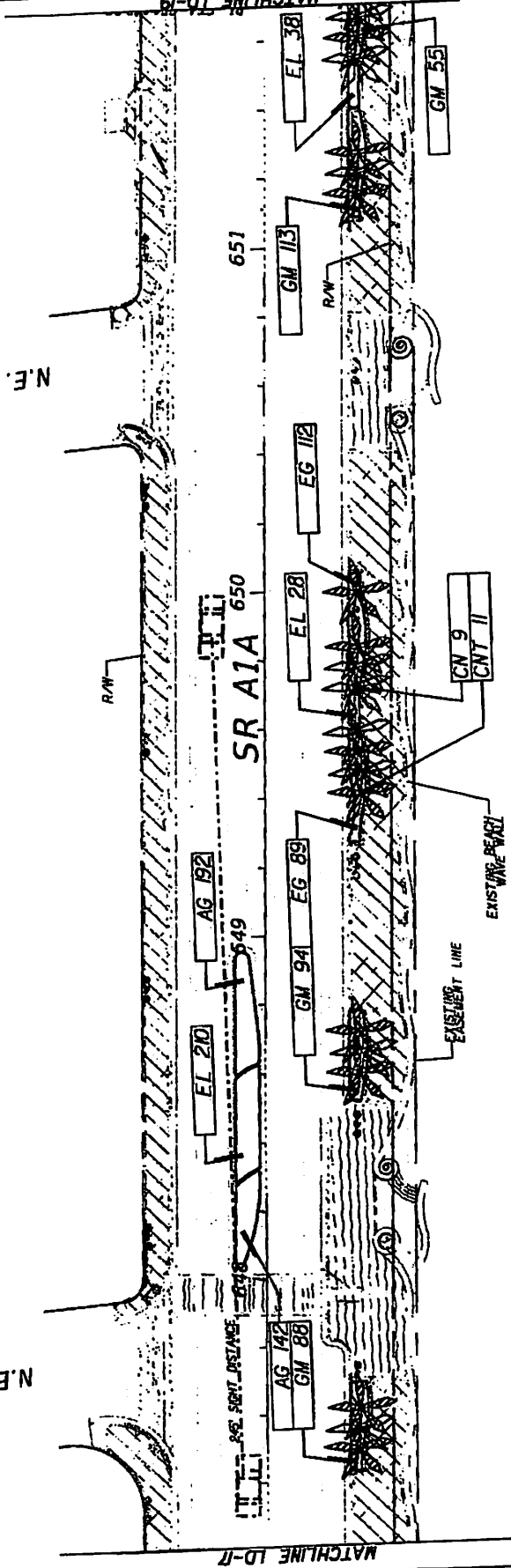
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N.E. 15TH COURT

N.E. 16TH STREET

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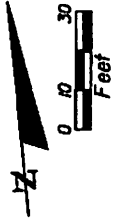


DATE	BY	DESCRIPTION

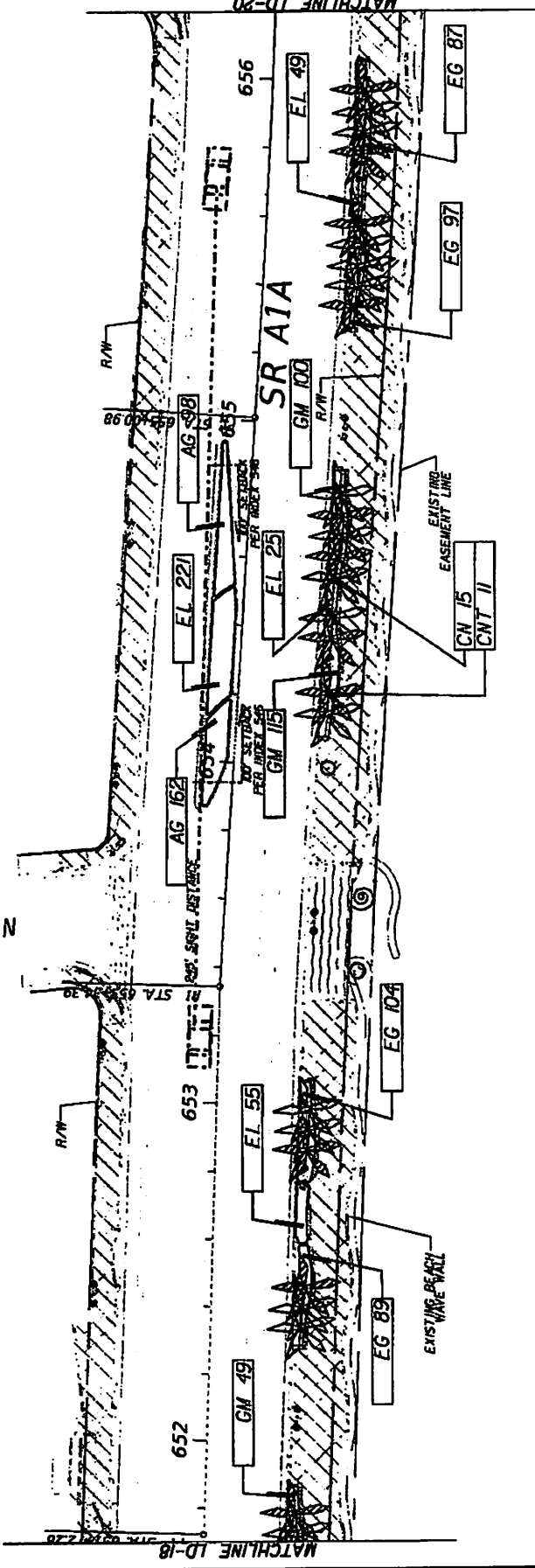
KEITH and SCHNARS, P.A. <small>2000 N. Andrews Ave., Ft. Lauderdale, FL 33304-3234 (954) 363-6800</small>	ROAD NO. A1A COUNTY BROWARD STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION TRAVELER PROJECT ID 433688-6-52-01	SHEET NO. LD-18 TOTAL SHEETS 79/98
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PALMS	SHRUBS
CN COCOS NICIFERA 'GREEN MALAYAN' (14 FT. ON) CNT COCOS NICIFERA 'GREEN MALAYAN' (18 FT. ON)	AG ACHEUEA BLANCHETIANA 'RASPBERRY' AS ARACHIS GLABRATA CS CUSCUTA GUTTIFERA 'NANA' CES COMPOSITUS ERECTUS 'SERICEUS' EG EUGENIA GLOMERATUS
EL ERINDEA LITTORALIS FM FICUS LASiocARPA 'GREEN ISLAND' GM GUMMULARIA MARTINA	

LEGEND



N.E. 16TH COURT



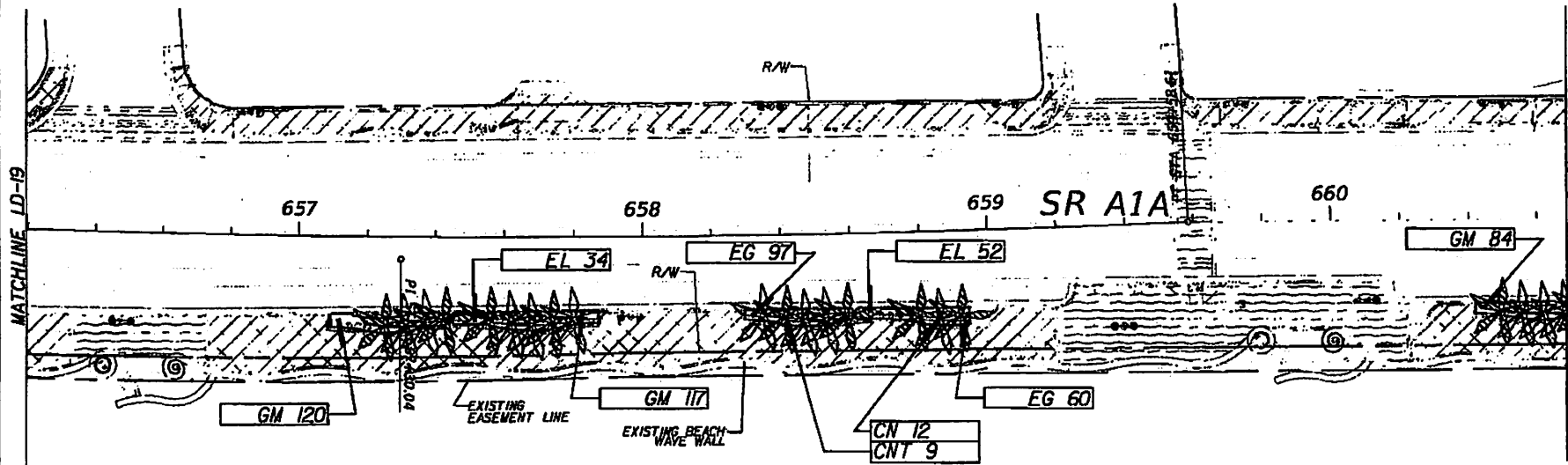
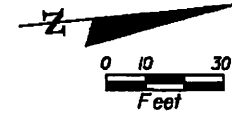
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 63D2-0.01, F.A.C.

REV. NO.	DESCRIPTION	DATE	BY	REVISIONS

LEGEND PALMS CN COCOS THICIFERA 'GREEN MALAYAN' (14 FT GM) CNT COCOS THICIFERA 'GREEN MALAYAN' (18 FT GM)		SHRUBS AB AECHMEA BLANCHETIANA 'RASPBERRY' AC APACHIA GLABRATA CC CLUSIA CUTTIFERA 'NANA' CES CONCARPUS ERRECTUS 'SERICEUS' EG EVOIIVUS GLOMERATUS	
EL ERHODEA LITTORALIS FM FICUS MICROCARPA 'GREEN ISLAND' GM GUNDELARIA MARTIMA		DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD 433688-6-52-01	
KEITH and SCHNARS, P.A. <small>REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA, LICENSE NO. 12507</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID	
LANDSCAPE PLAN		SHEET NO. LD-19	

N.E. 16TH PLACE

N.E. 17TH STREET



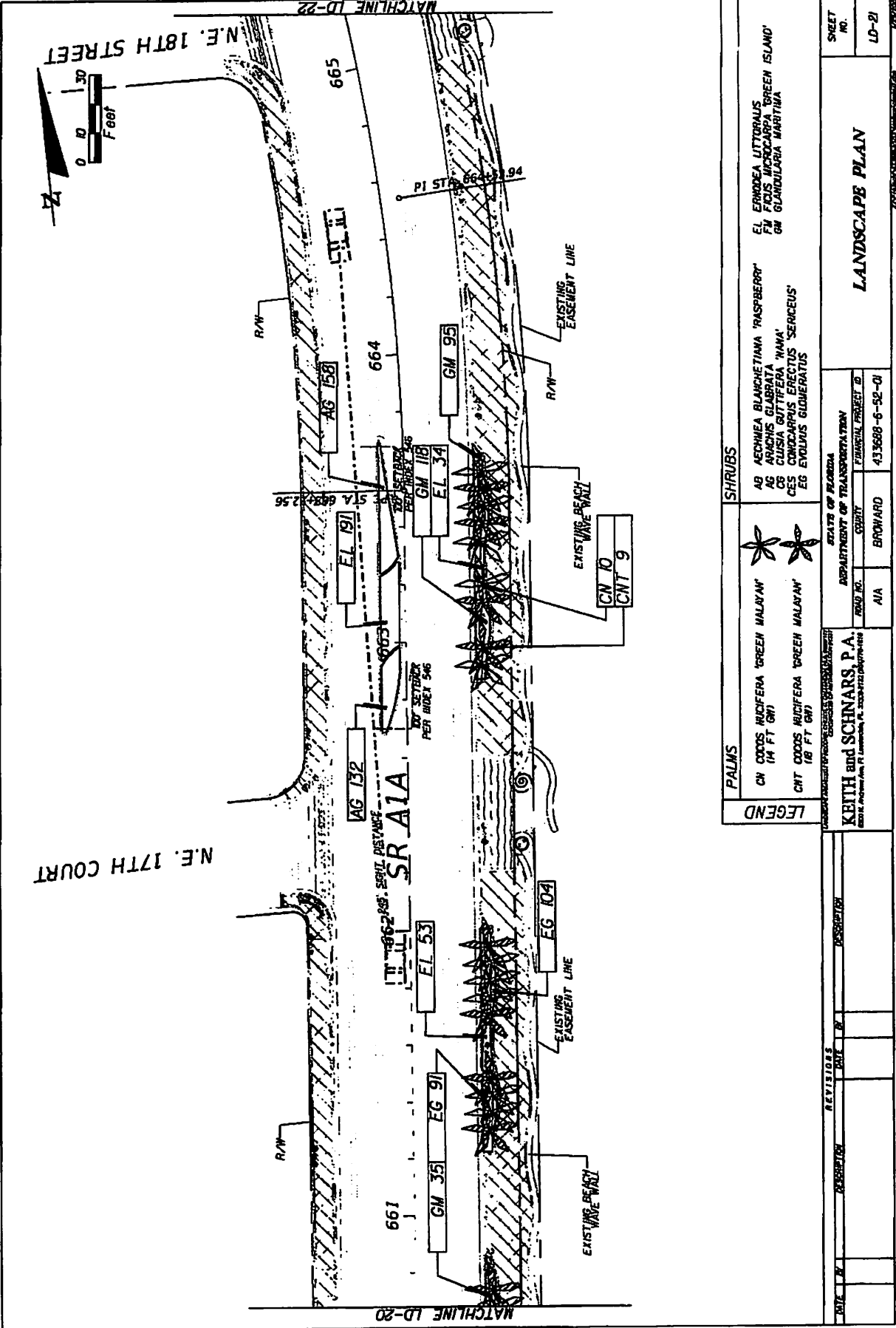
LEGEND	PALMS	SHRUBS
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

KEITH and SCHNARS, P.A. <small>8000 N. Andrews Ave., Ft. Lauderdale, FL 33328-2122 (561)770-1818</small>			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	LANDSCAPE PLAN		
A1A	BROWARD	433688-6-52-01			

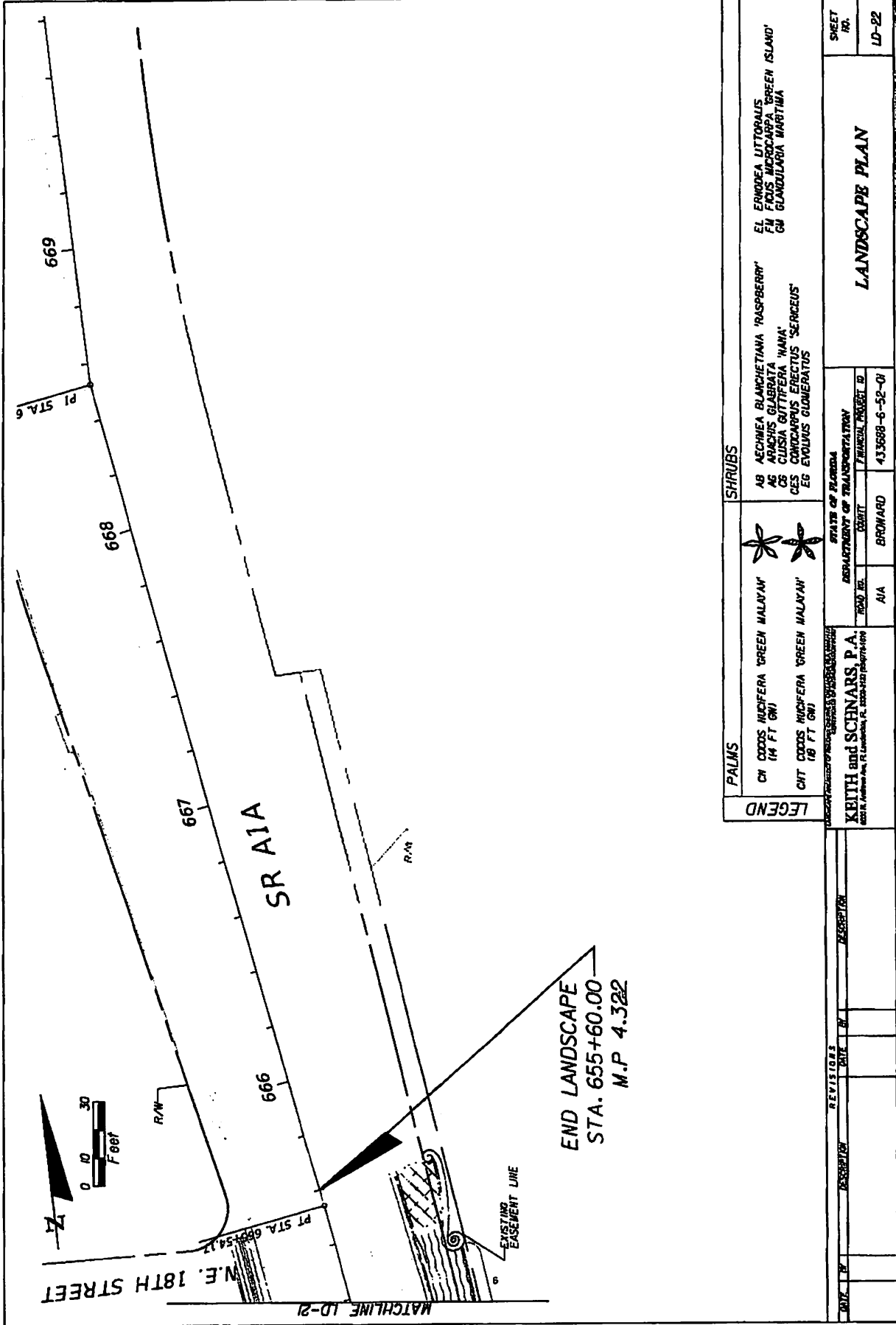
SHEET NO.
LD-20

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DATE	REVISION	DESCRIPTION	REVISION DATE	DESCRIPTION

LEGEND PALMS CH COCOS THICIFERA 'GREEN MALAYAN' (14 FT GW) CNT COCOS THICIFERA 'GREEN MALAYAN' (18 FT GW)		SHRUBS AB ACONIA BLANCHETIANA 'RASPBERRY' AG ARACHIS GLABRATA 'WAMA' CG CLUSIA GUTTIFERA CES CONOCARPUS ERECTUS 'SERICEUS' EG EYOLIVUS GLOUERATUS	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FEDERAL PROJECT ID COUNTY BROWARD PROJECT NO. 433688-6-52-01	SHEET NO. LD-21
			KEITH and SCHNARS, P.A. 2001 N. PROSPECT AVE. FT. LAUDERDALE, FL 33309-3122 (201) 774-6100	LANDSCAPE PLAN



DATE	BY	REVISION	DESCRIPTION

PALMS CH COCOS RHOPALM 'GREEN MALVAM' (14 FT GW) CHT COCOS RHOPALM 'GREEN MALVAM' (18 FT GW)		SHRUBS AB ACICHA BLANCHETIANA 'RASPBERRY' AG ANACARDIUM GLABRATA 'NANA' CS CLUSIA GUTTIFERA 'SERICEUS' CES CONCARPUS ERECTUS 'SERICEUS' EG EVOLVUS GLOMERATUS	
KEITH and SCENARS, P.A. 600 N. Andrew Ave., Ft. Lauderdale, FL 33309-3100 (954) 561-6100		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD PROJECT NO. 433668-6-52-01	
LEGEND		LANDSCAPE PLAN	
SHEET NO. LD-22		7/25/2018	

IRRIGATION TABULATION OF QUANTITIES		
ITEM	SPECIFICATION	UNIT QUANTITY
CONTROLLER	RAINBIRD TBOS II - 1 STATION CONTROL MODULE	EA 10
RAIN SENSOR	RAINBIRD RSD-C&X RAIN SENSOR	EA 10
ELECTRIC VALVES	RAINBIRD 1 INCH P&B VALVE WITH TBOS POTTED LATCHING SOLENOIDS	EA 10
BACKFLOW PREVENTER	WILKINS PVB	EA 10
PVB LOCK	CABLEGUARD SC75-200	EA 10
VALVE BOX	FIBRELYTE TIER 8, 13 IN X 24 IN X 12 IN DEEP VALVE BOX	EA 10
ZONE GATE VALVES	NIBCO MODEL T-311-Y, MATCH LINE SIZE	EA 10
CONTROL WIRE	14 GAUGE	LF 100
#57 ROCK	BELOW VALVE BOXES PER DETAIL	CF 35
FILTER FABRIC	TO CONTAIN THE GRAVEL UNDER THE VALVE BOXES PER DETAIL	SF 80
MAIN LINE	SCHEDULE 40	LF 100
LATERAL LINE	3/4 INCH TO 2 INCH PVC SCHEDULE 40	LF 5700
SPRAY BODY	RAINBIRD 1812 PPS	EA 557
SPRAY NOZZLES	RAINBIRD 6 SERIES	EA 47
	RAINBIRD 8 SERIES	EA 5
	RAINBIRD SQ, 4FT X 8FT HALF	EA 8
	RAINBIRD SQ, 8FT X 8FT FULL	EA 443
	RAINBIRD 16 STRIP SERIES, 15SST	EA 38
	RAINBIRD 15 STRIP SERIES, 15SST	EA 5
	RAINBIRD 16 STRIP SERIES, 15CST	EA 11
RISER ASSEMBLY	PER DETAIL	EA 283

DATE		REVISED	DATE	BY	REVISION
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. <u> </u> COUNTY <u> </u> FINANCIAL PROJECT ID <u> </u>			AIA <u> </u> BROWARD <u> </u> 433688-6-52-01		
IRRIGATION TABULATION OF QUANTITIES					
SHEET NO. LD-23 PROJECT NO. 433688-6-52-01					

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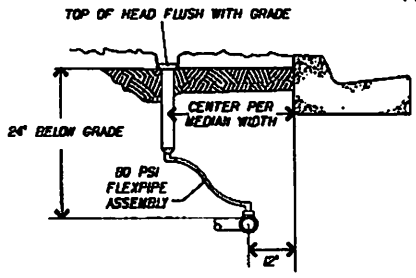
IRRIGATION NOTES

- 1) VERIFY SITE CONDITIONS BEFORE BIDDING. INSTALLATIONS MAY REQUIRE ADDITIONAL EQUIPMENT FOR SPECIFIC SITE CONDITIONS.
- 2) SYSTEM DESCRIPTION: THESE ARE CLOCK START (BATTERY) SYSTEMS USING EXISTING MUNICIPAL WATER METERS.
- 3) BEFORE THE PRECONSTRUCTION MEETING, SUBMIT SHOP DRAWINGS/MANUFACTURES PRODUCT SHEETS FOR EACH ITEM SPECIFIED.
- 4) AS-BUILT PLANS: PREPARE AS-BUILT PLANS AS THE WORK PROGRESSES, INDICATING THE ACTUAL LOCATION OF EQUIPMENT. KEEP THE AS-BUILT PLAN SET ON SITE DURING CONSTRUCTION. SUBMIT FINAL AS-BUILT TO THE LANDSCAPE ARCHITECT.
- 5) PLAN DEVIATIONS: PLAN LAYOUT IS SCHEMATIC FOR GRAPHIC CLARITY. INSTALL EQUIPMENT IN PERVIOUS AREAS, EXCEPT WHERE SLEEVING IS INDICATED. ROUTE PIPES TO AVOID TREES OR OTHER CONFLICTS. NOTIFICATION IS REQUIRED WHEN THESE ISSUES ARE ENCOUNTERED. FIELD ADJUSTMENTS REQUIRE APPROVAL.
- 6) TRENCHING AND PIPE INSTALLATION AND APPROVAL: BEFORE BACKFILLING TRENCHES, REQUEST A REVIEW OF THE PIPE INSTALLATION. PERFORM DIRECTIONAL BORING WHERE REQUIRED.
- BACKFILL IN ACCORDANCE WITH ASTM D2774, FREE OF STONES AND ROCKS LARGER THAN 1 ½ INCH IN DIAMETER.
- MAKE PVC SOLVENT WELD CONNECTIONS IN ACCORDANCE WITH ASTM D2855. APPLY PURPLE COLORED PVC PRIMER IN ACCORDANCE WITH ASTM F866. APPLY PVC CEMENT IN ACCORDANCE WITH ASTM D2564.
- 7) ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS TO PREVENT OVERSPRAY.
- 8) THE COST OF WATER THROUGHOUT CONSTRUCTION AND THE ESTABLISHMENT PERIOD IS THE RESPONSIBILITY OF THE CITY. CITY CONTACT: MARK ALMY, PARKS SUPERVISOR, 954-828-5869

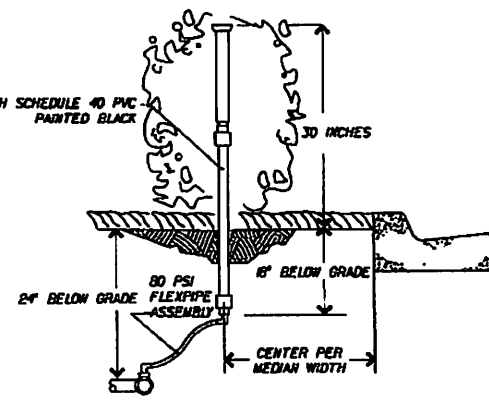
DATE		BY		REVISIONS		DESCRIPTION	
DATE	BY	DATE	BY	NO.	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. PROJECT ID	
COUNTY	433608-6-52-01
CITY	BROWARD
ROAD NO.	N/A

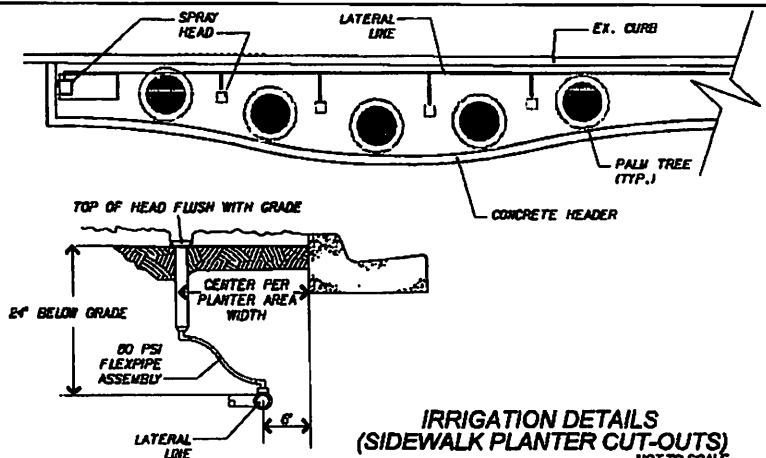
KRITH and SCHNARS, P.A. 600 N. ANDERSON AVE., FT. LAUDERDALE, FL 33304-1400	
IRRIGATION NOTES	



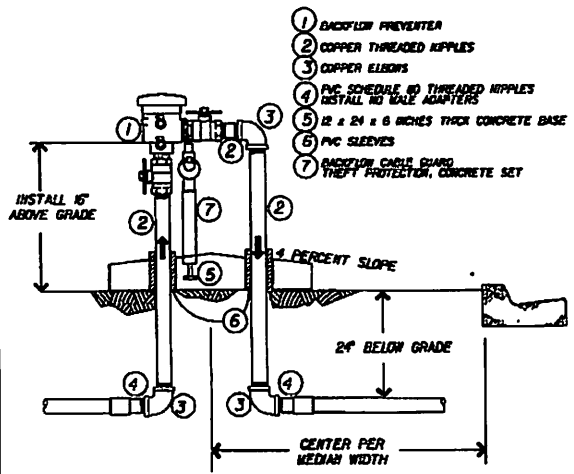
**IRRIGATION HEAD
IN MEDIAN GROUND COVER AREAS**
NOT TO SCALE



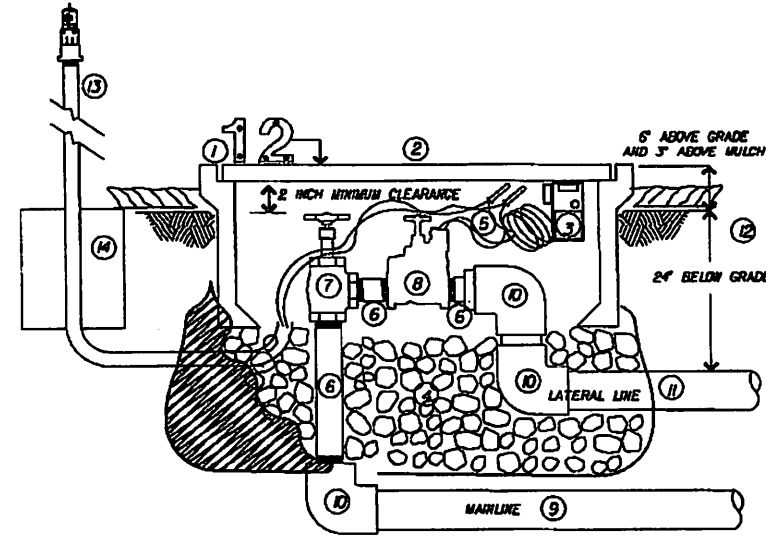
**IRRIGATION HEAD ON RISER
IN MEDIAN SHRUB AREAS**
NOT TO SCALE



**IRRIGATION DETAILS
(SIDEWALK PLANTER CUT-OUTS)**
NOT TO SCALE



BACKFLOW PREVENTER
NOT TO SCALE



VALVE INSTALLATION
NOT TO SCALE

- 1 BACKFLOW PREVENTER
- 2 COPPER THREADED KIPPLIES
- 3 COPPER ELBOWS
- 4 PVC SCHEDULE 40 THREADED HIPPLES
INSTALL NO MALE ADAPTERS
- 5 12 x 24 x 6 INCHES THICK CONCRETE BASE
- 6 PVC SLEEVES
- 7 BACKFLOW CURB GUARD
THEFT PROTECTION, CONCRETE SET

- 1 ALUMINUM VALVE IDENTIFICATION NUMBER, SCREWED IN PLACE
- 2 VALVE BOX
- 3 BATTERY CONTROLLER
- 4 VALVE SLUMP: 12 INCHES DEEP FILLED WITH MOUND OF
ROCK AND WRAPPED IN FILTER FABRIC
- CONTROL WIRE: TYPE UF-63 THRU/TWIST WITH A 24 SERVICE COIL
AND 63-6 WATERPROOF WIRE CONNECTORS
- 5 SCHEDULE 80 PVC THREADED HIPPLES
INSTALL NO MALE ADAPTERS
- 6 MANUAL GATE VALVE:
RIGHT ANGLE VALVE, MATCH ELECTRIC VALVE SIZE
- 7 ELECTRIC CONTROL VALVE:
- 8 MARLINE PIPE:
INSTALL LABELS FACING UP
- 9 FITTINGS: PVC SCHEDULE 40.
- 10 LATERAL LINE PIPE:
INSTALL LABELS FACING UP
- 12 PIPE DEPTH REQUIREMENTS
- 13 1 INCH GALVANIZED CONDUIT, 6 FT HEIGHT WITH RAIN SENSOR
- 14 6 x 6 x 6 INCH CONCRETE FOOTER

REVISIONS				
DATE	BY	DESCRIPTION	DATE	BY

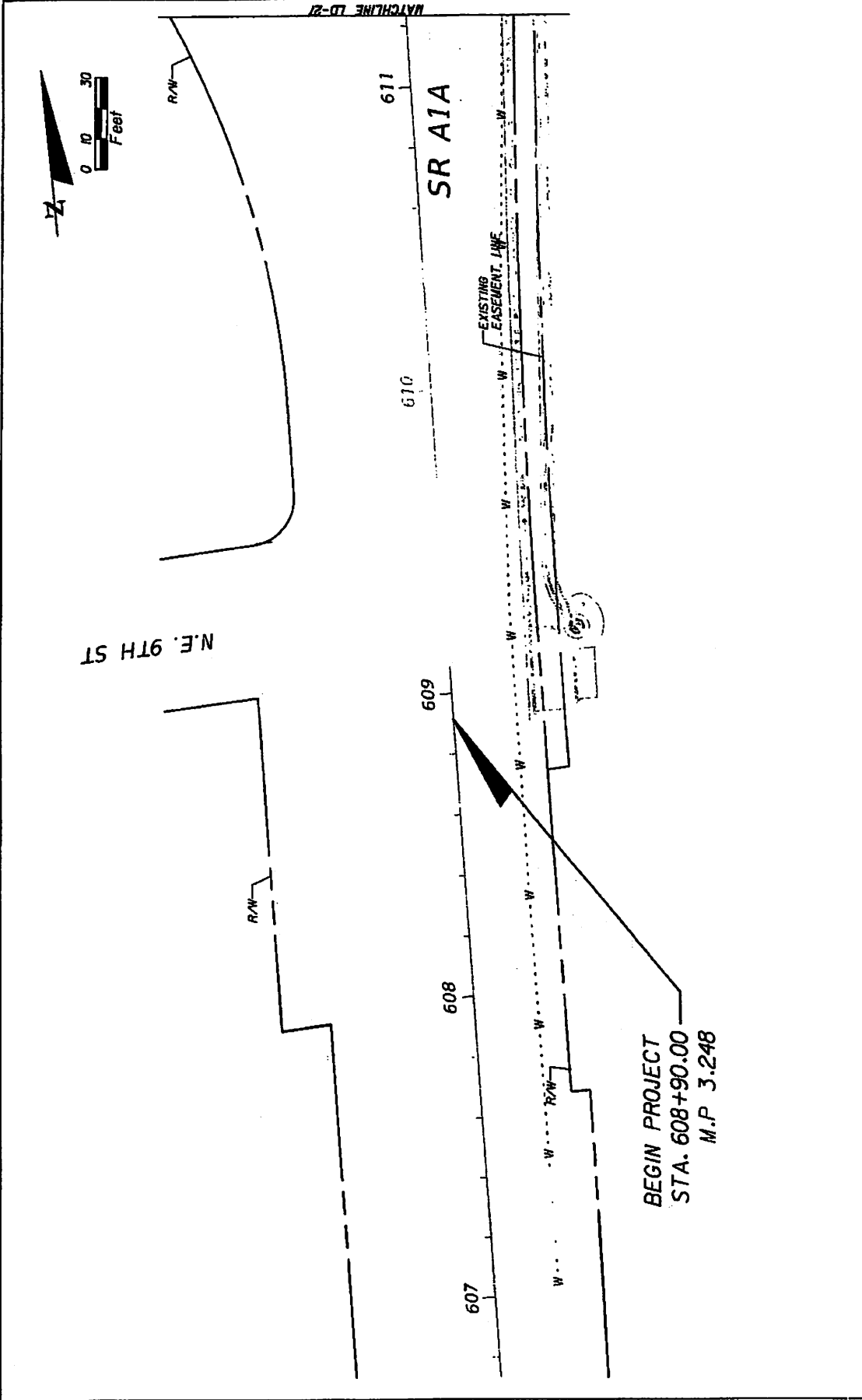
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
KEITH and SCHNARS, P.A.
6320 N. Andrews Ave., Ft. Lauderdale, FL 33309-2132 (954) 771-1416

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT #
A/A	BROWARD	433688-6-52-01

IRRIGATION DETAILS

SHEET NO.
LD-25

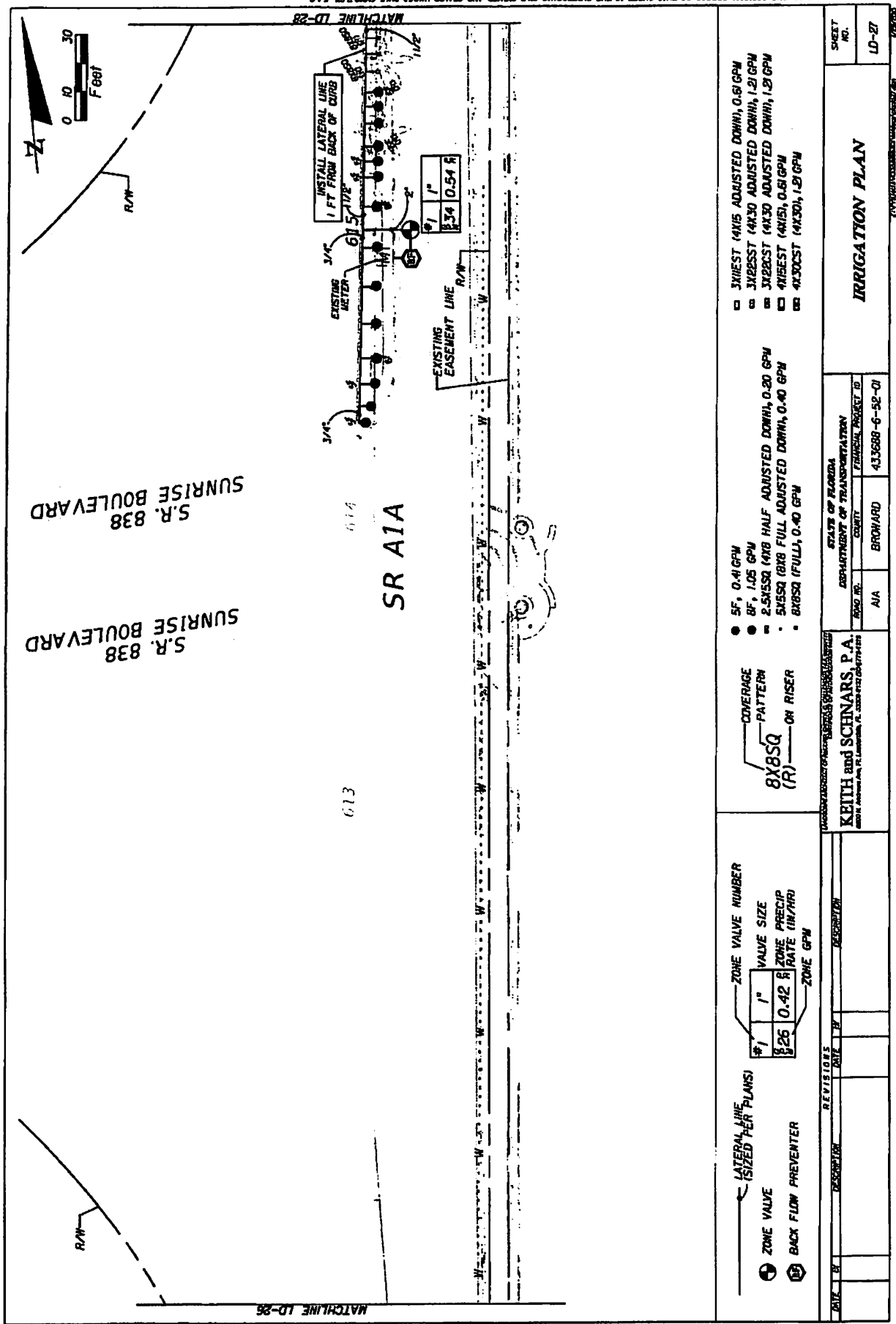
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REVISIONS		DESCRIPTION	
DATE	BY	DATE	DESCRIPTION

UNDER THE AUTHORITY OF THE BOARD OF COUNTY COMMISSIONERS OF KEITH and SCHNARS, P.A. <small>6800 N. Arroyo Way, Ft. Lauderdale, FL 33309-5200 (954) 991-1111</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID 433688-6-52-01	SHEET NO. LD-26
ROAD NO. A1A	COUNTY BROWARD	IRRIGATION PLAN	

7/19/2013 10:46:00 AM 10/13/2013 10:46:00 AM



S.R. 838
SUNRISE BOULEVARD

S.R. 838
SUNRISE BOULEVARD

014

SR A1A

013

MATCHLINE LD-26

MATCHLINE LD-28

LATERAL LINE
SIZED PER PLANS

ZONE VALVE

BACK FLOW PREVENTER

ZONE VALVE NUMBER	VALVE SIZE	ZONE PRECIP RATE (IN/HR)	ZONE GPM
#1	1"	0.42	61

COVERAGE
PATTERN
8X85Q
(R) ON RISER

- 5F, 0.41 GPM
- 8F, 1.05 GPM
- 2.5X85Q 14X8 HALF ADJUSTED DOWN, 0.20 GPM
- 5X85Q 18X8 FULL ADJUSTED DOWN, 0.40 GPM
- 8X85Q (FULL), 0.40 GPM

- 3X185ST 14X15 ADJUSTED DOWN, 0.61 GPM
- 3X185ST 14X30 ADJUSTED DOWN, 1.21 GPM
- 3X285ST 14X15 ADJUSTED DOWN, 1.21 GPM
- 4X185ST 14X15, 0.61 GPM
- 4X305ST 14X30, 1.21 GPM

DATE	BY	DESCRIPTION

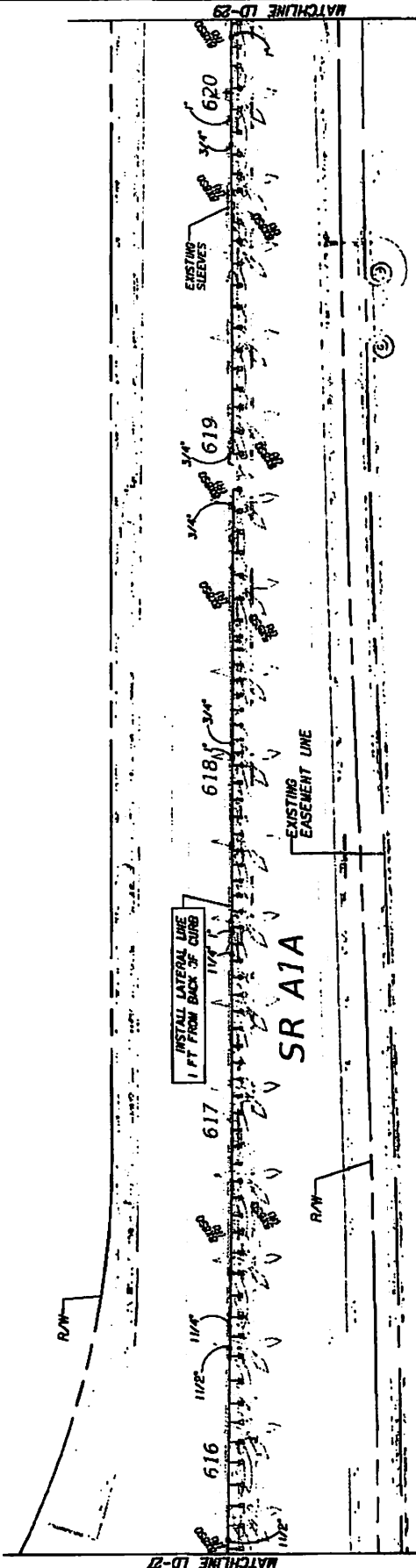
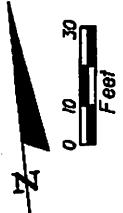
KEITH and SCHNARS, P.A.
CIVIL ENGINEERS
10000 W. BIRCHWOOD BLVD., SUITE 100
DUBLIN, OHIO 43017

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
BROWARD COUNTY
PROJECT ID: 433680-6-52-Q1

IRRIGATION PLAN

SHEET NO.
LD-27

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- 3181EST 1415 ADJUSTED DOWN, 0.61 GPM
- 3182EST 14130 ADJUSTED DOWN, 1.21 GPM
- 3183EST 14130 ADJUSTED DOWN, 1.21 GPM
- 4185EST 1415, 0.61 GPM
- 41300EST 14130, 1.21 GPM

- 5F, 0.41 GPM
- 6F, 1.05 GPM
- 2.5185SQ 1418 HALF ADJUSTED DOWN, 0.80 GPM
- 5185SQ 1418 FULL ADJUSTED DOWN, 0.40 GPM
- 8185SQ (FULL), 0.40 GPM

COVERAGE PATTERN
8X85SQ (R) OH RISER

ZONE VALVE NUMBER	VALVE SIZE	ZONE PRECIP RATE (IN/HR)	ZONE CAP
#1	1"	0.42	6

- LATERAL LINE (SIZED PER PLANS)
- ZONE VALVE
- BACK FLOW PREVENTER

REVISIONS		DATE		DESCRIPTION	

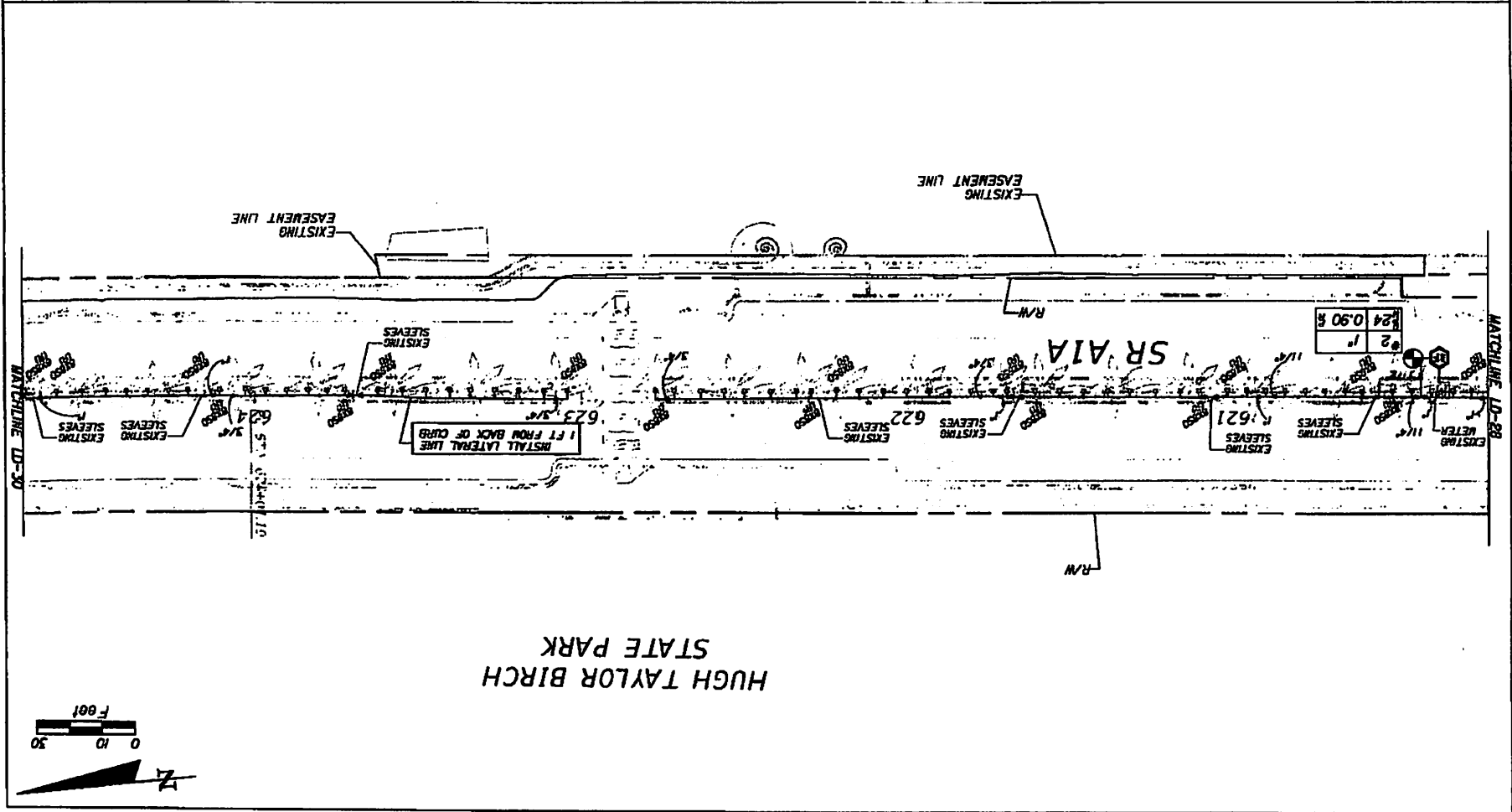
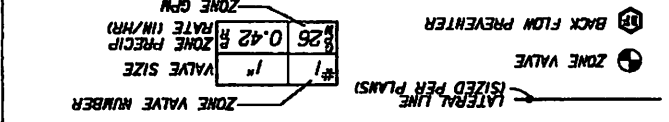
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	PROJECT NO.	CONTRACT	PROJECT ID
A1A	BROWARD	433688-6-52-01	

KEITH END SCHNARS, P.A.	
1001 N. UNIVERSITY AVENUE, SUITE 100, LAUDERHILL, FL 33407 (954) 741-1001	

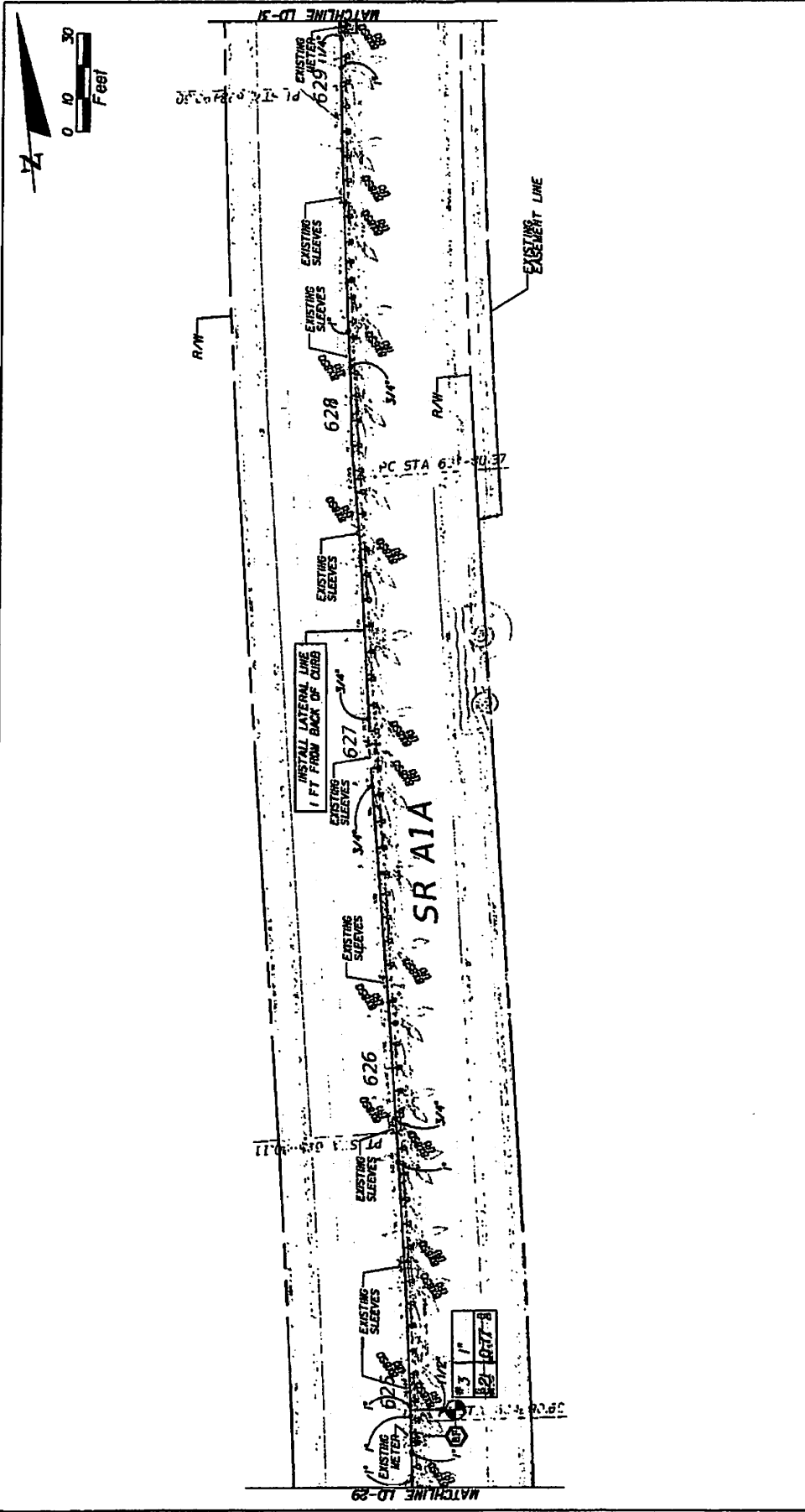
IRRIGATION PLAN		SHEET NO.
		LD-28

SHEET NO. LD-29	IRRIATION PLAN	STATE OF FLORIDA	DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT NO.	433588-6-52-01	ROAD NO.	N/A	COUNTY	BROWARD	DATE		DESCRIPTION					
		KRITH and SCHNARS, P.A. 6200 N. Andrews Ave., Ft. Lauderdale, FL 33309-2112 (954) 779-1818															

- SF, 0.41 GPM
- SF, 1.05 GPM
- 2.5K5SQ (4X8 HALF ADJUSTED DOWN, 0.20 GPM)
- 5K5SQ (8X8 FULL ADJUSTED DOWN, 0.40 GPM)
- 8X8SQ (FULL), 0.40 GPM
- XIEST (4X8 ADJUSTED DOWN, 0.61 GPM)
- XPEEST (4X30 ADJUSTED DOWN, 1.21 GPM)
- XPEEST (4X30 ADJUSTED DOWN, 1.21 GPM)
- XPEEST (4X15), 0.61 GPM
- X30CST (4X30), 1.21 GPM



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61D00-20.0, F.A.C.



- ZONE VALVE
- ZONE VALVE (SIZED PER PLANS)
- ⊗ BACK FLOW PREVENTER
- ⊕ EXISTING METER
- ⊖ EXISTING SLEEVES
- ⊘ EXISTING LINE
- ⊙ EXISTING VALVE
- ⊚ EXISTING FITTING
- ⊛ EXISTING TEE
- ⊜ EXISTING ELBOW
- ⊝ EXISTING END CAP
- ⊞ EXISTING FLANGE
- ⊟ EXISTING GROMMET
- ⊠ EXISTING WELD
- ⊡ EXISTING HOLE
- ⊢ EXISTING CUT
- ⊣ EXISTING NOTCH
- ⊤ EXISTING VEE
- ⊥ EXISTING TEE
- ⊦ EXISTING CROSS
- ⊧ EXISTING T
- ⊨ EXISTING Y
- ⊩ EXISTING J
- ⊪ EXISTING L
- ⊫ EXISTING Z
- ⊬ EXISTING S
- ⊭ EXISTING H
- ⊮ EXISTING Q
- ⊯ EXISTING X
- ⊰ EXISTING C
- ⊱ EXISTING K
- ⊲ EXISTING G
- ⊳ EXISTING J
- ⊴ EXISTING P
- ⊵ EXISTING B
- ⊶ EXISTING F
- ⊷ EXISTING D
- ⊸ EXISTING M
- ⊹ EXISTING N
- ⊺ EXISTING V
- ⊻ EXISTING W
- ⊼ EXISTING Y
- ⊽ EXISTING R
- ⊾ EXISTING T
- ⊿ EXISTING L
- ⊞ EXISTING K
- ⊟ EXISTING J
- ⊠ EXISTING I
- ⊡ EXISTING H
- ⊢ EXISTING G
- ⊣ EXISTING F
- ⊤ EXISTING E
- ⊥ EXISTING D
- ⊦ EXISTING C
- ⊧ EXISTING B
- ⊨ EXISTING A
- ⊩ EXISTING Z
- ⊪ EXISTING Y
- ⊫ EXISTING X
- ⊬ EXISTING W
- ⊭ EXISTING V
- ⊮ EXISTING U
- ⊯ EXISTING T
- ⊰ EXISTING S
- ⊱ EXISTING R
- ⊲ EXISTING Q
- ⊳ EXISTING P
- ⊴ EXISTING O
- ⊵ EXISTING N
- ⊶ EXISTING M
- ⊷ EXISTING L
- ⊸ EXISTING K
- ⊹ EXISTING J
- ⊺ EXISTING I
- ⊻ EXISTING H
- ⊼ EXISTING G
- ⊽ EXISTING F
- ⊾ EXISTING E
- ⊿ EXISTING D
- ⊞ EXISTING C
- ⊟ EXISTING B
- ⊠ EXISTING A

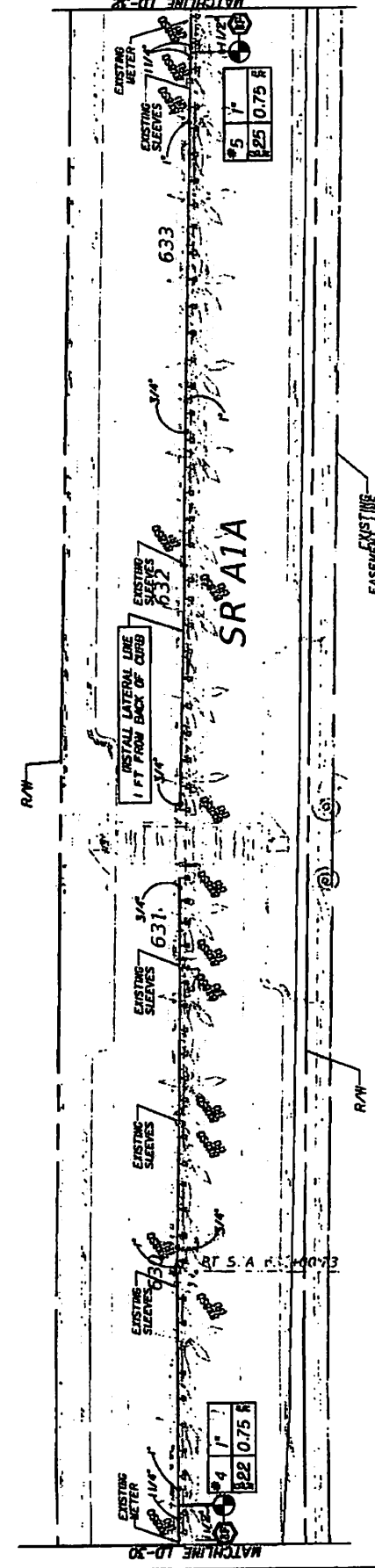
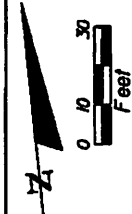
REVISIONS		DATE		BY		DESCRIPTION	

LATERAL LINE (SIZED PER PLANS)		ZONE VALVE NUMBER	626
ZONE VALVE	1"	VALVE SIZE	0.42
BACK FLOW PREVENTER		ZONE PRECIP RATE (IN/HR)	
		ZONE GPM	

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	AIA	COUNTY	BROWARD
PROJECT ID		433688-6-52-01	

KEITH and SCENARS, P.A.	
2020 N. Andrews Ave., Ft. Lauderdale, FL 33304-7202 (954) 776-1111	

IRRIGATION PLAN	
SHEET NO.	LD-30



- 5", 0.41 GPM
 - 8", 1.05 GPM
 - 2.5"SSQ (4"X 8" HALF ADJUSTED DOWN), 0.30 GPM
 - 3"SSQ (4"X 8" FULL ADJUSTED DOWN), 0.40 GPM
 - 8"SSQ (FULL), 0.40 GPM
- COVERAGE PATTERN
8"X8"SQ (R) ON RISER
- | ZONE VALVE NUMBER | VALVE SIZE | ZONE PRECIP RATE (IN/HR) | ZONE GPM |
|-------------------|------------|--------------------------|----------|
| #1 | 1" | 0.42 | 22 |
| #2 | 1" | 0.42 | 25 |
- 3"X1EET (4"X5 ADJUSTED DOWN), 0.61 GPM
 - 3"X2EET (4"X30 ADJUSTED DOWN), 1.21 GPM
 - 3"X2EET (4"X30 ADJUSTED DOWN), 1.21 GPM
 - 4"X1EET (4"X5), 0.61 GPM
 - 4"X30EET (4"X30), 1.21 GPM

DATE	BY	DESCRIPTION

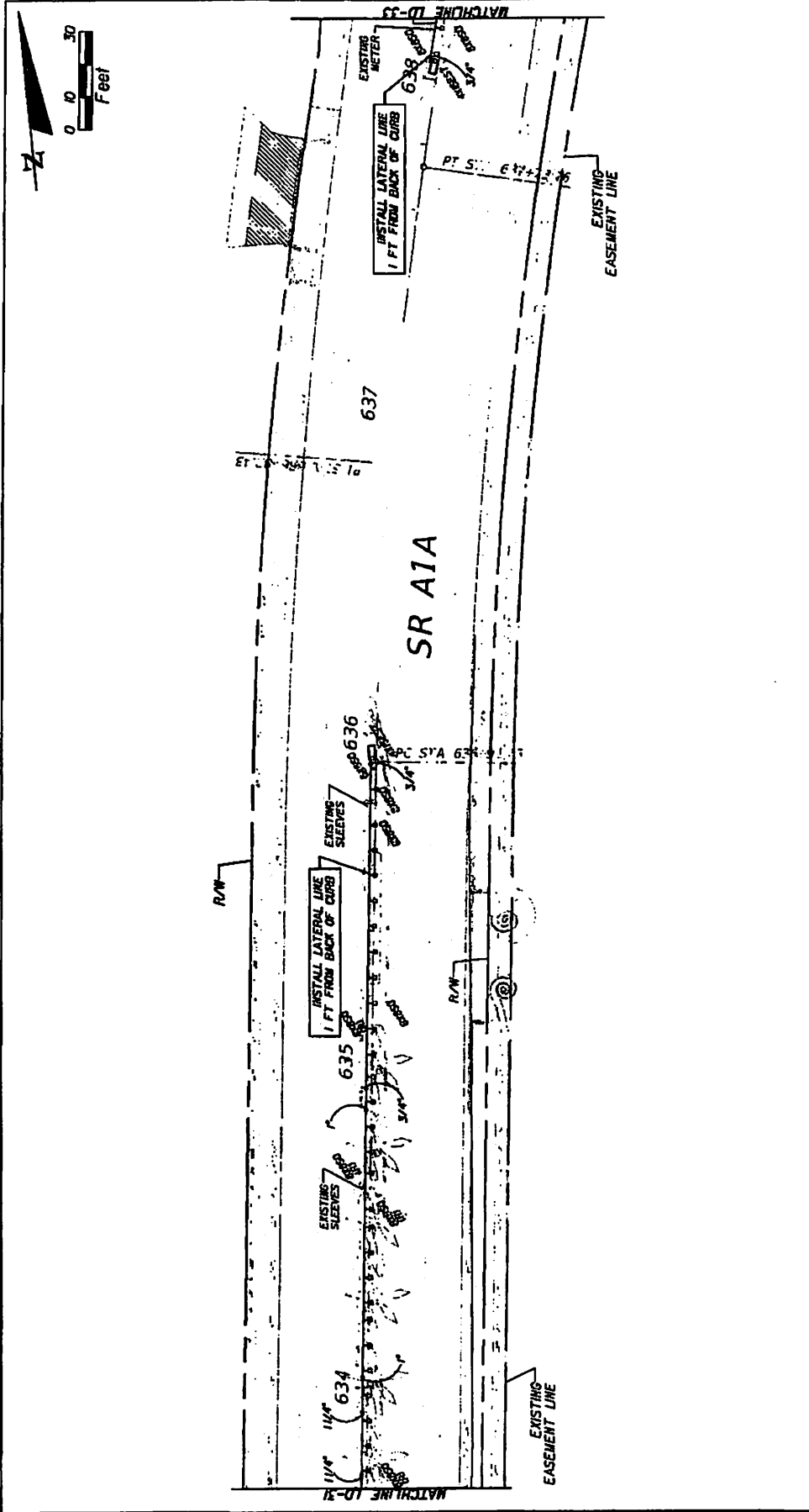
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	PROJECT NO. 43368B-6-52-01
ROAD NO. A1A	EXHIBIT BROWARD

KEITH and SCHNARS, P.A. 600 N. ANDERSON AVE., FT. LAUDERDALE, FL 33304-1122 (305)776-0948
--

SHEET NO. LD-31

IRRIGATION PLAN

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D.010, F.A.C.



- 5", 0.4 GPM
- 6", 1.05 GPM
- 2.5X55Q (4X8 HALF ADJUSTED DOWN), 0.80 GPM
- 5X55Q (8X8 FULL ADJUSTED DOWN), 0.40 GPM
- 8X85Q (FULL), 0.40 GPM

- 3X18E5T (4X5 ADJUSTED DOWN), 0.51 GPM
- 3X28E5T (4X30 ADJUSTED DOWN), 1.21 GPM
- 3X28E5T (4X30 ADJUSTED DOWN), 1.21 GPM
- 4X18E5T (4X25), 0.51 GPM
- 4X30E5T (4X30), 1.21 GPM

8X85Q (R) ON RISER

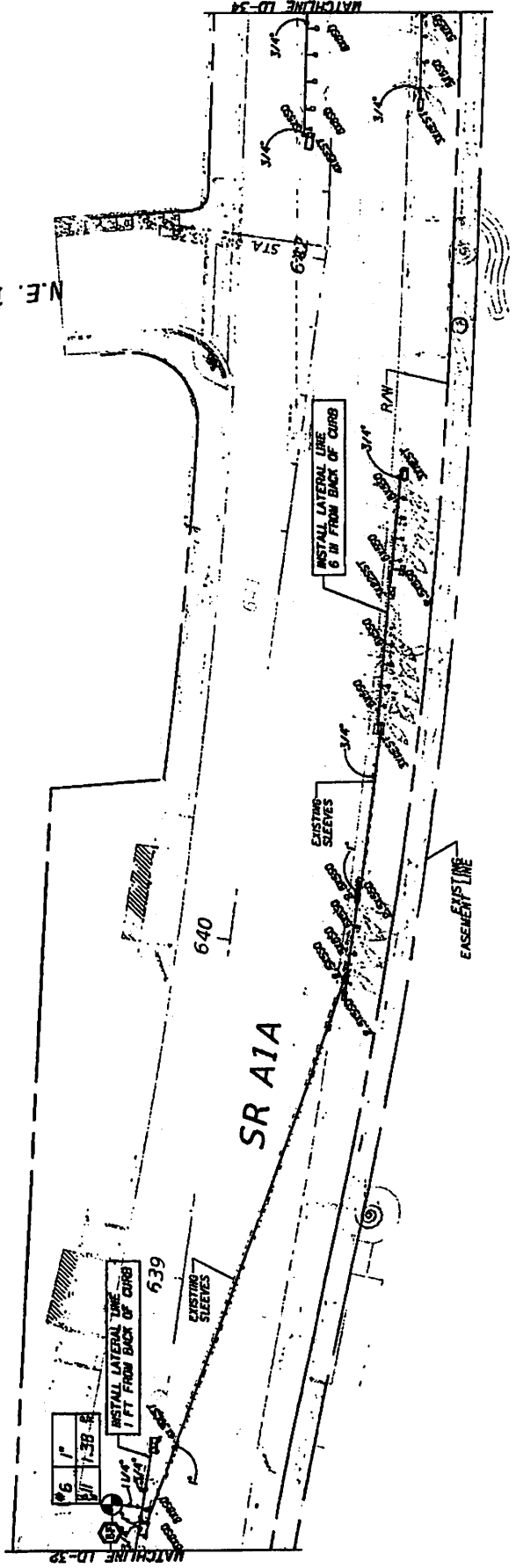
ZONE VALVE NUMBER	VALVE SIZE	ZONE PRECIP RATE (IN/HR)	ZONE GPM
#1	1"	0.42 R	

- LATERAL LINE (SIZED PER PLANS)
- ZONE VALVE
- ⊖ BACK FLOW PREVENTER

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 433688-6-52-01	
ROAD NO. A1A	COUNTY BROWARD	FINANCIAL PROJECT ID	
PROJECT DESIGNER KRITH and SCHNARS, P.A. 2000 N. UNIVERSITY BLVD., SUITE 200, FT. LAUDERDALE, FL 33309		SHEET NO. LD-32	
DATE	REVISIONS	DESCRIPTION	
	NO.	DATE	



N.E. 14TH COURT



SR AIA

- 5F, 0.41 GPM
- 8F, 1.05 GPM
- 2.5WSSQ 1418 HALF ADJUSTED DOWN, 0.20 GPM
- 5WSSQ 1818 FULL ADJUSTED DOWN, 0.40 GPM
- 8WSSQ (FULL), 0.40 GPM

- 3W1EEST (4X15) ADJUSTED DOWN, 0.61 GPM
- 3W2EEST (4X30) ADJUSTED DOWN, 1.21 GPM
- 3W3EEST (4X150) ADJUSTED DOWN, 1.21 GPM
- 4W1EEST (4X15), 0.61 GPM
- 4X30EEST (4X30), 1.21 GPM

- 8WSSQ (R) ON RISER

COVERAGE PATTERN

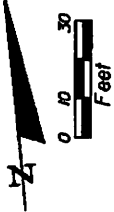
8WSSQ (R) ON RISER

ZONE VALVE NUMBER	VALVE SIZE	ZONE PRECIP RATE (IN/HR)	ZONE GPM
#1	1"	0.42	5
#26	1"	0.42	5

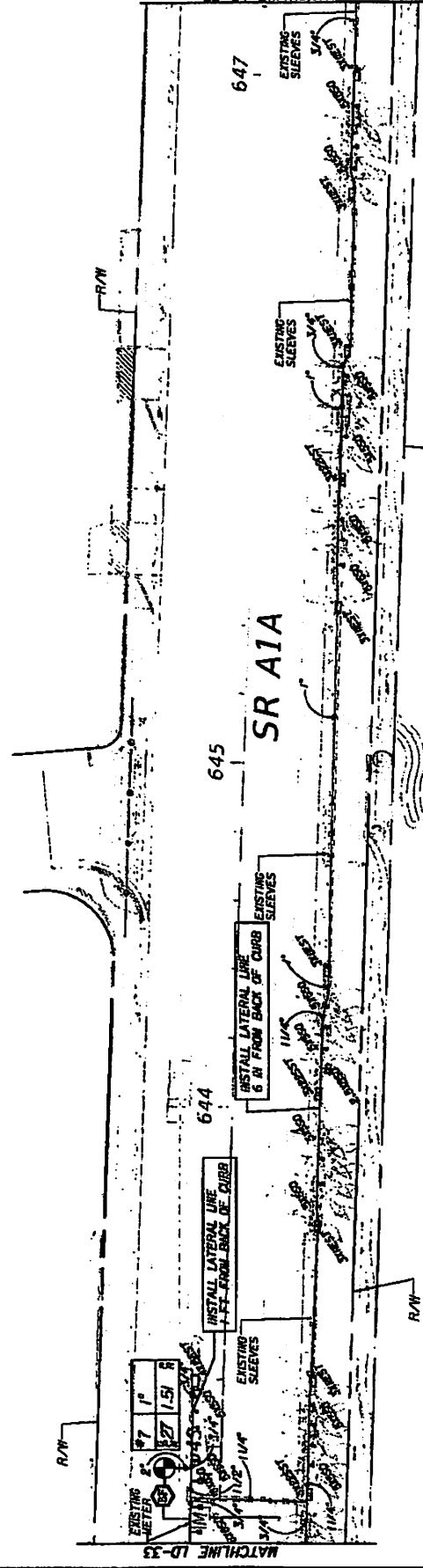
- ← LATERAL LINE (SIZED PER PLANS)
- ⊕ ZONE VALVE
- ⊖ BACK FLOW PREVENTER

DATE		DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY: BROWARD AIA: 433688-6-52-01 PROJECT: FURNACE CREEK II						
KEITH and SCHNARS, P.A. <small>6000 N. Andrews Ave., Ft. Lauderdale, FL 33309-5128 (954) 978-1111</small>						SHEET NO. LD-33
IRRIGATION PLAN						7/20/2015 10:00:00 AM 7/20/2015 10:00:00 AM

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D0-2.001, F.A.C.



N.E. 15TH STREET



- 31X25ST (4X30 ADJUSTED DOWN), 0.61 GPM
- 31X25ST (4X30 ADJUSTED DOWN), 1.21 GPM
- 31X25ST (4X30 ADJUSTED DOWN), 1.21 GPM
- 41X85ST (4X15), 0.61 GPM
- 41X85ST (4X30), 1.21 GPM

- 5F, 0.41 GPM
- 8F, 1.05 GPM
- 2-5X5SQ (4X8 HALF ADJUSTED DOWN), 0.20 GPM
- 5X5SQ (8X8 FULL ADJUSTED DOWN), 0.40 GPM
- 5X5SQ (FULL), 0.40 GPM

COVERAGE PATTERN ON RISER
 8X8SQ (R)

ZONE VALVE NUMBER
 VALVE SIZE
 1" 0.42
 ZONE PRECIP RATE (IN/HR)
 ZONE GPM

- LATERAL LINE (SIZED PER PLANS)
- ZONE VALVE
- BACK FLOW PREVENTER

DATE		BY	DESCRIPTION
REVISIONS		DATE	DESCRIPTION
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433608-6-52-01			
KEITH and SCENARS, P.A. <small>2000 N. Andrews Ave., Ft. Lauderdale, FL 33304-3321 (954) 775-8111</small>			SHEET NO. LD-34
IRRIGATION PLAN			

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61D02-102, F.A.C.

SHEET NO.	LD-35	IRIGATION PLAN	413688-6-52-01		BROWARD COUNTY FINANCIAL PROJ. ID	ROAD NO.	A/A	PROJECT NO.	DATE	REVISIONS	DATE	BY	DESCRIPTION
			STATS OF FLORIDA DEPARTMENT OF TRANSPORTATION										

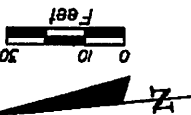
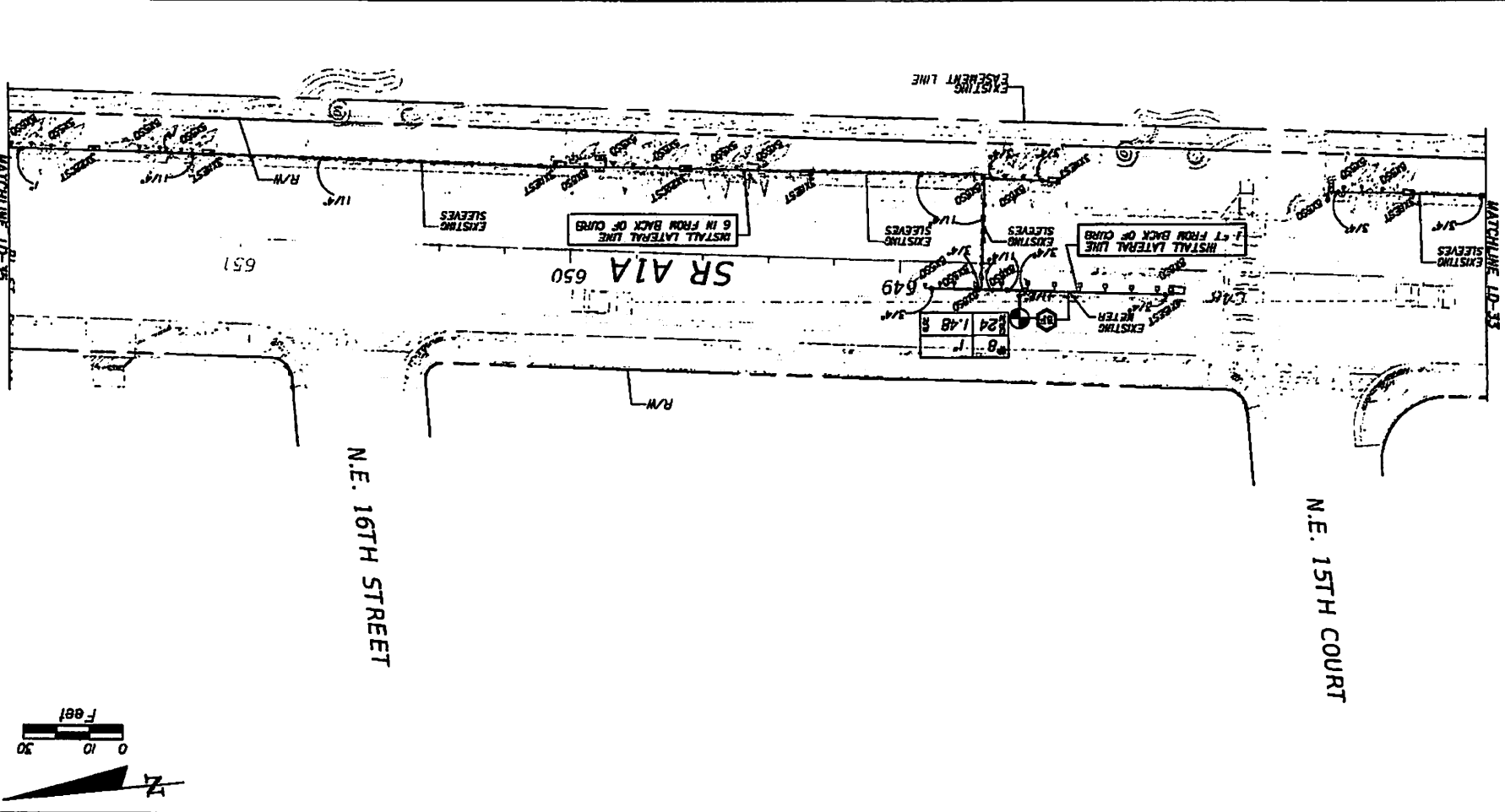
- XH1E5T (4X15 ADJUSTED DOWN, 0.61 GPM)
- XH2E5T (4X30 ADJUSTED DOWN, 1.21 GPM)
- XH3E5T (4X15, 0.61 GPM)
- XH30C5T (4X30, 1.21 GPM)

- SF, 0.41 GPM
- BF, 1.05 GPM
- 2.5X550 (4X8 HALF ADJUSTED DOWN, 0.20 GPM)
- 5X550 (4X8 FULL ADJUSTED DOWN, 0.40 GPM)
- 8X850 (FULL), 0.40 GPM

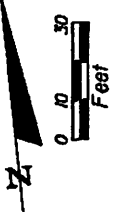
ON RISER (R)
 8X850
 PATTERN
 COVERAGE

ZONE VALVE NUMBER	#1
VALVE SIZE	1"
ZONE PRECIP RATE (IN/HR)	0.42
ZONE GPM	26

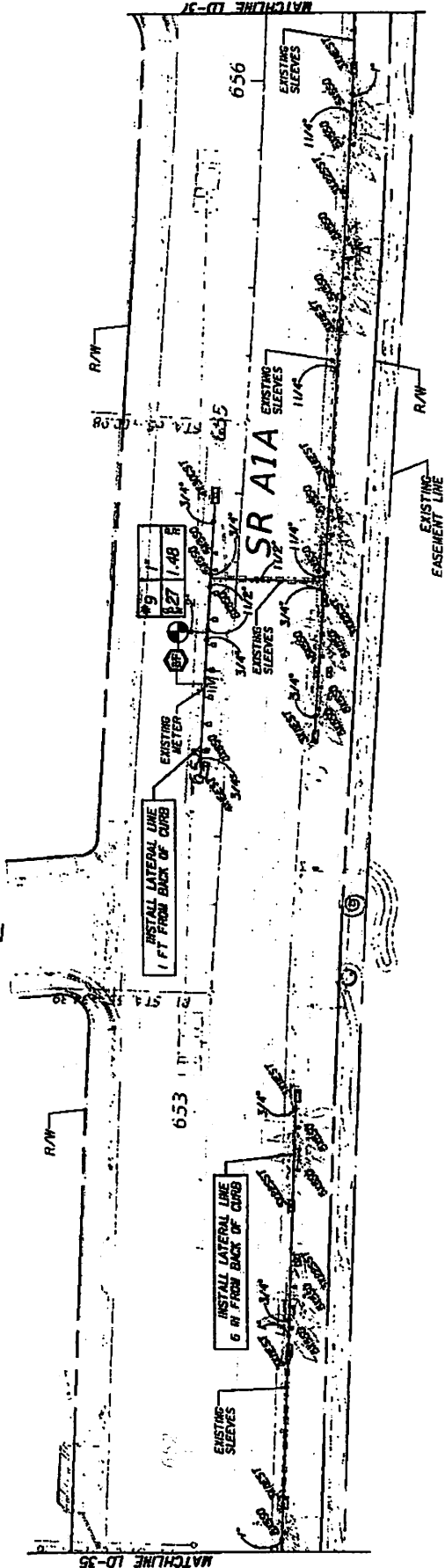
- ZONE VALVE
 - ⊗ BACK FLOW PREVENTER
- LATERAL LINE (SIZED PER PLANS)
 ZONE VALVE NUMBER



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE REGULATIONS, F.A.C.



N.E. 16TH COURT



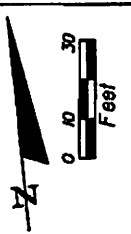
- 5F, 0.41 GPM
- 6F, 1.05 GPM
- 2.5K85SQ (418 HALF ADJUSTED DOWN), 0.30 GPM
- 5K65SQ (818 FULL ADJUSTED DOWN), 0.40 GPM
- 8K65SQ (FULL), 0.40 GPM

COVERGE
PATTERN
8X85SQ
(R) ON RISER

LATERAL LINE (SIZED PER PLANS)	ZONE VALVE NUMBER
● ZONE VALVE	VALVE SIZE
● BACK FLOW PREVENTER	ZONE PRECIP RATE (IN/HR)
	ZONE GPM

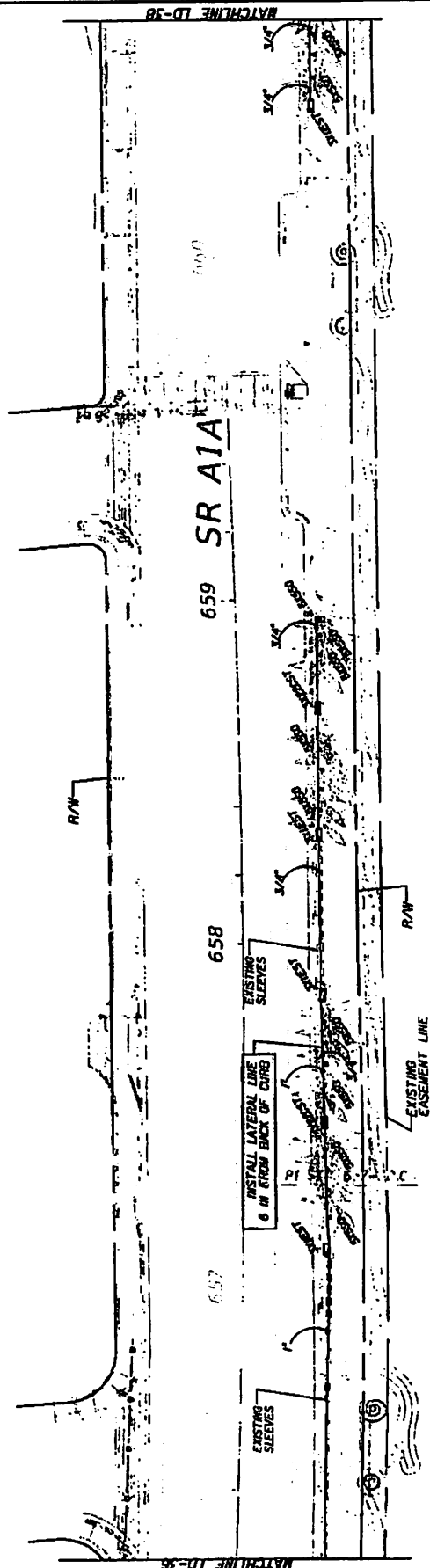
DATE	DESCRIPTION	REVISIONS	DATE	BY	DESCRIPTION
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
ROAD NO.		COMMIT.		FINANCIAL PROJECT ID	
A1A		BROWARD		433688-6-52-01	
KEITH and SCHNARS, P.A. <small>6025 W. BAYVIEW BLVD., SUITE 200, MIAMI, FL 33149-3200</small>					
IRRIGATION PLAN					
SHEET NO.					LD-36

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D(1)(L), F.A.C.



N.E. 17TH STREET

N.E. 16TH PLACE



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 6D(1)(b), F.A.C.

- 5F, 0.41 GPM
- 8F, 1.05 GPM
- 2.5VSSQ (418 HALF ADJUSTED DOWN), 0.20 GPM
- 5VSSQ (818 FULL ADJUSTED DOWN), 0.40 GPM
- 8V6SQ (FULL), 0.40 GPM

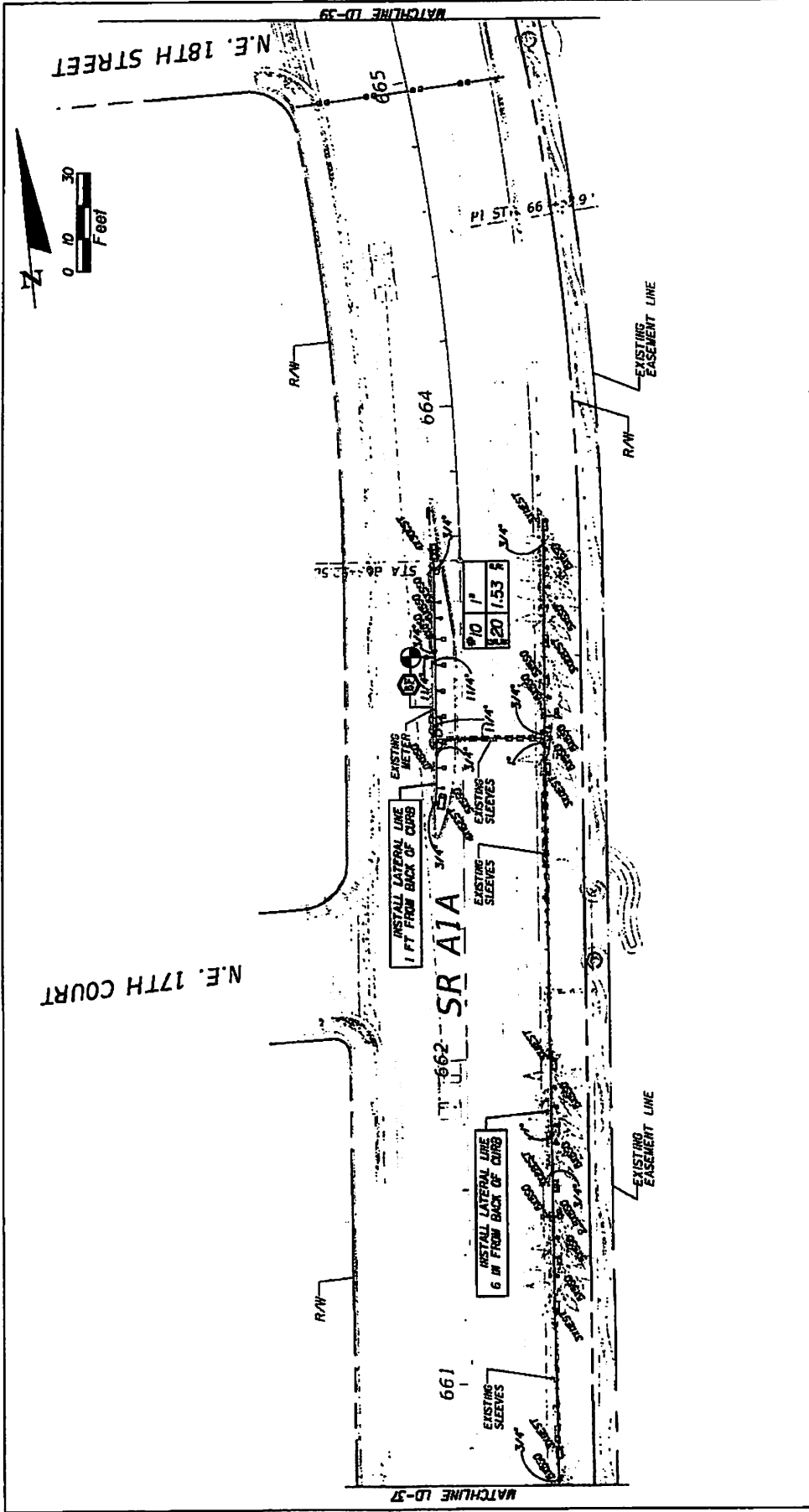
- 3X1E8T (418 ADJUSTED DOWN), 0.61 GPM
- 3X2E8T (4X30 ADJUSTED DOWN), 1.21 GPM
- 3X2E8T (4X30 ADJUSTED DOWN), 1.21 GPM
- 4X3E8T (418), 0.61 GPM
- 4X3E8T (4X30), 1.21 GPM

8X8SQ (R) ON RISER

ZONE VALVE NUMBER	1
VALVE SIZE	1"
ZONE PRECIP RATE (IN/HR)	0.26
ZONE GPM	0.42

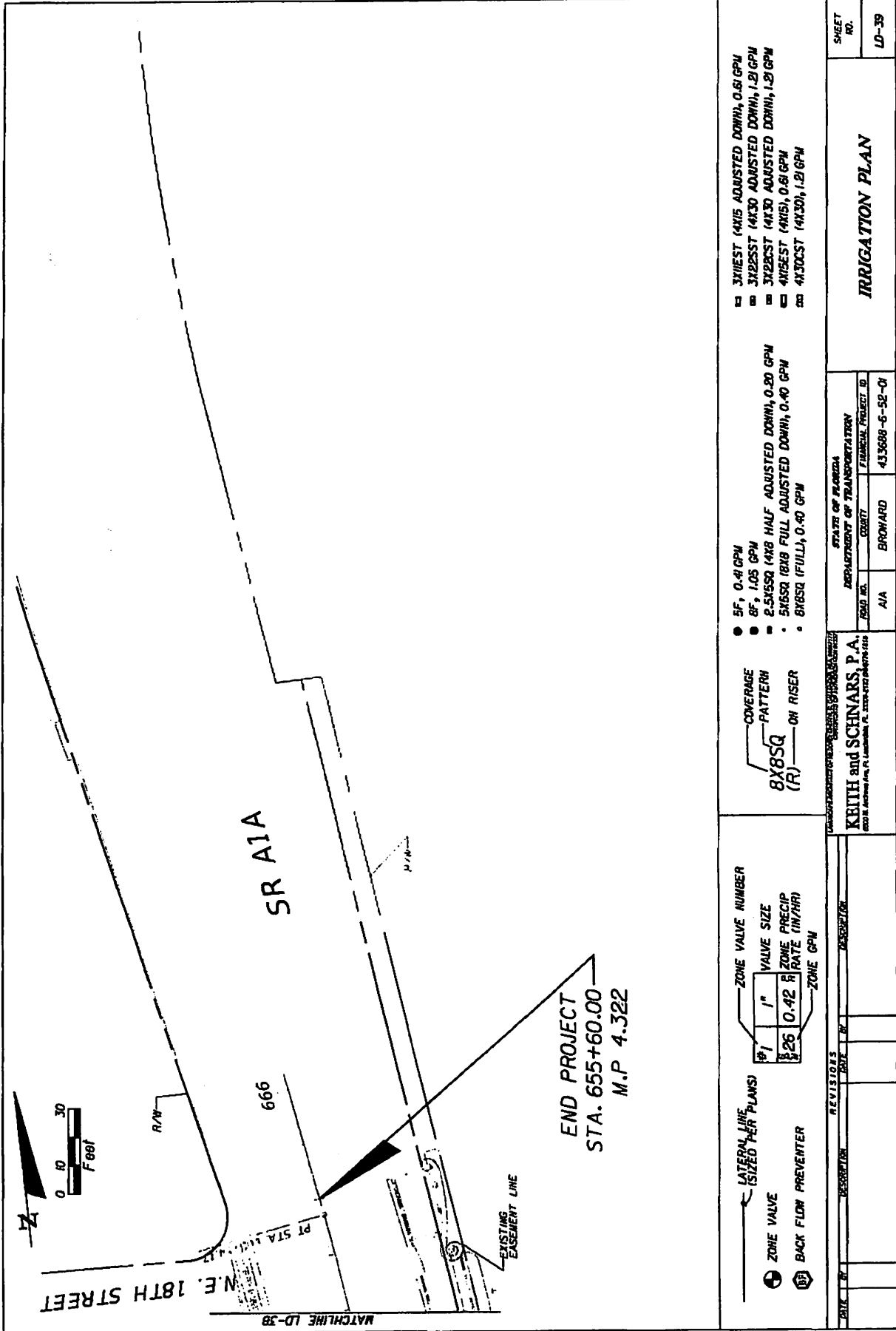
- LATERAL LINE (SIZED PER PLANS)
- ZONE VALVE
- ⊖ BACK FLOW PREVENTER

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		PROJECT NO. 433688-6-52-01	
ROAD NO. A1A	CITY BROWARD	SHEET NO. LD-37	
IRRIGATION PLAN			
DESIGNED BY KEITH and SCHNARS, P.A. Civil Engineers, P.A., Lakeland, FL 33803-2000		DATE 08/26/08	
REVISIONS	DATE	DESCRIPTION	



- ZONE VALVE
- ⊕ BACK FLOW PREVENTER
- LATERAL LINE (SIZED PER PLANS)
- ZONE VALVE NUMBER
- VALVE SIZE
- ZONE PRECIP RATE (IN/HR)
- ZONE GPM
- COVER
- PATTERN
- 8x8sq (R) — ON RISER
- 5F, 0.41 GPM
- 8F, 1.05 GPM
- 2.5x5sq (4x8 HALF ADJUSTED DOWN), 0.20 GPM
- 5x5sq (8x8 FULL ADJUSTED DOWN), 0.40 GPM
- 8x8sq (FULL), 0.40 GPM
- 3x12sqst (4x30 ADJUSTED DOWN), 0.81 GPM
- 3x25sqst (4x30 ADJUSTED DOWN), 1.21 GPM
- 4x35sqst (4x55), 0.81 GPM
- 4x30sqst (4x30), 1.21 GPM

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	PROJECT NO.	PROJECT NAME
A/A	BROWARD	433688-6-52-01	IRRIGATION PLAN
KEITH and SCHNARS, P.A. 600 N. ANDERSON AVE., FORT LAUDERDALE, FL 33304-2202 (954) 774-7470			
DATE	DESIGNED BY	REVISIONS	DESCRIPTION
		SHEET NO. LD-38	



- 5F, 0.4 GPM
- 6F, 1.05 GPM
- 2.5X55Q (4X8 HALF ADJUSTED DOWN), 0.20 GPM
- 5X55Q (4X8 FULL ADJUSTED DOWN), 0.40 GPM
- 8X8SQ (FULL), 0.40 GPM

- 3X18E1T (4X15 ADJUSTED DOWN), 0.61 GPM
- 3X22E1T (4X30 ADJUSTED DOWN), 1.21 GPM
- 3X28E1T (4X30 ADJUSTED DOWN), 1.21 GPM
- 4X18E1T (4X15), 0.61 GPM
- 4X30E1T (4X30), 1.21 GPM

COVER
PATTERN
8X8SQ
(R) ON RISER

ZONE VALVE NUMBER	VALVE SIZE	ZONE PRECIP RATE (IN/HR)	ZONE GPM
#1	1"	0.42	
#26	1"	0.42	

- ZONE VALVE
- ⊕ BACK FLOW PREVENTER
- ⊕ ZONE VALVE

LATERAL LINE (SIZED PER PLANS)

REVISIONS		DESCRIPTION		SHEET NO.
DATE	BY	DATE	BY	
				LD-38

STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
A/A	BROWARD	433688-6-52-01	

KRITH and SCHNARS, P.A.
 600 N. Andrews Ave., Ft. Lauderdale, FL 33304-1112 (954) 774-1112

IRRIGATION PLAN

DATE	DESCRIPTION	REVISIONS	ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 57740 FOOT DISTRICT IN 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 777-4416 SCOTT.PETERSON@STRETFLOUS	AAA BROWARD	43388-6-52-01	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID	LD-40
SHEET NO.	TRAFFIC CONTROL PLAN GENERAL NOTES						

1. REGULATORY SPEED IN AN ACTIVE WORK ZONE IS 25 MPH

2. PRIOR TO ANY LANE CLOSURE THE CONTRACTOR SHALL NOTIFY THE FOOT PROJECT ADMINISTRATOR AS WELL AS THE FOOT DISTRICT & PUBLIC INFORMATION OFFICERS AT LEAST 14 BUSINESS DAYS PRIOR TO CLOSURE. NOTIFY:
 BARBARA KELLEHER, DISTRICT & PUBLIC INFORMATION OFFICER
 FLORIDA DEPARTMENT OF TRANSPORTATION
 3400 WEST COMMERCIAL BLVD.
 FORT LAUDERDALE, FLORIDA 33309-3421
 PHONE: (954) 777-4091

DATA TABLES: BROWARD OPERATIONS PUBLIC INFORMATION OFFICER
 FLORIDA DEPARTMENT OF TRANSPORTATION
 3526 NW 8TH AVE.
 FORT LAUDERDALE, FLORIDA 33309
 PHONE: (954) 940-7583

3. LOCAL POLICE, FIRE RESCUE, AND AMBULANCE SERVICE SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO ANY CLOSURE.

4. BUS STOPS SHALL BE MAINTAINED, IF REQUIRED, BUS STOP CLOSURES SHALL BE COORDINATED WITH THE PROJECT ADMINISTRATOR AND BROWARD COUNTY TRAFFIC.

5. THE CONTRACTOR SHALL NOT WORK EAST OF THE EXISTING ROADWAY FOOTPRINT DURING TURNLE NESTING SEASON (MARCH TO OCTOBER) UNLESS SPECIFIC WORK ACTIVITIES ARE APPROVED BY THE ENGINEER AND THE PERTINENT AGENCIES.

6. THE CONTRACTOR SHALL PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) IN ALL DIRECTIONS FROM TRAFFIC DRIVING NORTH AND SOUTH ON AAA AND TRAFFIC DRIVING EAST ON SINNISE (FROM TO CONSTRUCTION WITH DISPLAYS AS FOLLOWS, OR AS DIRECTED BY THE ENGINEER.

7. NO STOCK PILING OF CONSTRUCTION MATERIALS TO BE ALLOWED EAST OF THE EASEMENT LINE AND WEST OF THE APPROVED CONSTRUCTION FOOTPRINT. EAST OF THE EASEMENT SHALL BE PERFORMED WITHIN THE FOOTPRINT OF THE APPROVED AREA OF PERMIT.

8. CONSTRUCTION EQUIPMENT WILL BE ALLOWED ONLY ON SN AIA. NO STAGING OF EQUIPMENT OR MATERIALS TO BE ALLOWED EAST OF THE EASEMENT LINE.

9. PROJECT INFORMATION SIGN PANELS SHALL BE PURCHASED BY THE CONTRACTOR IN ACCORDANCE WITH INDEX 609 SHEET 7 OF 12. THESE SIGNS SHALL BE POSTED WITH BLUE BACKGROUND AND WHITE LETTERING. PROJECT INFORMATION SIGNS SHALL BE INSTALLED MAY BE REMOVED ONCE NO LONGER NEEDED AS DETERMINED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN PAY ITEM 102-1. THE THREE (3) SIGNS SHALL BE LOCATED 500 FEET BEFORE THE FIRST WARNING SIGN:

THE THREE (3) SIGNS SHALL BE LOCATED 500 FEET BEFORE THE FIRST WARNING SIGN:
 1. A1A FACING NORTHBOUND ON A1A
 2. A1A FACING SOUTHBOUND ON SINNISE BLVD
 3. A1A FACING EASTBOUND ON SINNISE BLVD

SN AIA
 A1A 2016
 (954) 777-4091
 FOR ADDITIONAL INFORMATION, CONTACT:
 BARBARA KELLEHER, DISTRICT & PUBLIC INFORMATION OFFICER
 FLORIDA DEPARTMENT OF TRANSPORTATION
 3400 WEST COMMERCIAL BLVD.
 FORT LAUDERDALE, FLORIDA 33309
 PHONE: (954) 777-4091

1. ROAD WORK AHEAD (RW) SIGN
 2. ROAD WORK AHEAD (RW) SIGN

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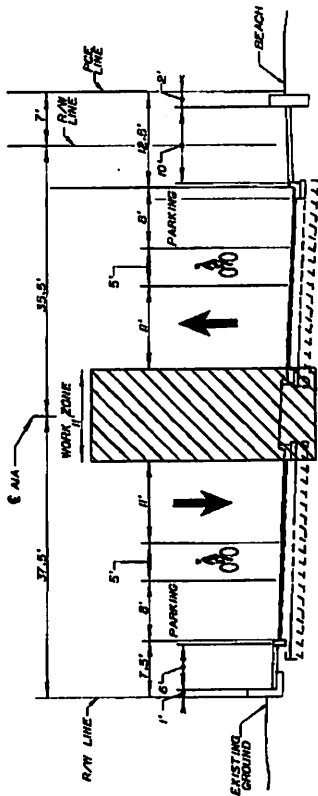
1. ROAD WORK AHEAD (RW) SIGN
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NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61015-23.003, F.A.C.

PHASE I

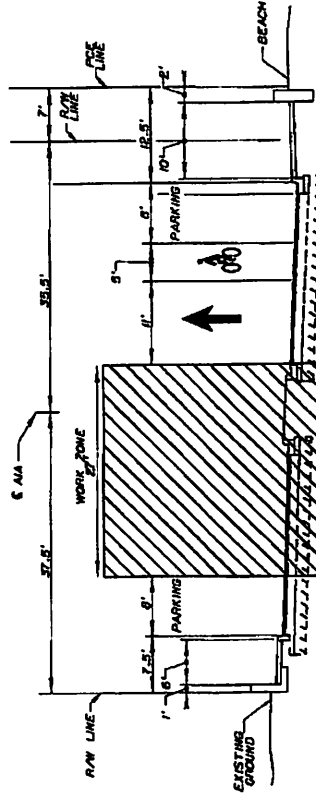
- INSTALL TRAFFIC CONTROL DEVICES AS PER INDEX 601 THRU 608 AND 660
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN NORTHBOUND AT ALL TIMES
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN SOUTHBOUND AT ALL TIMES
- MAINTAIN ONE BIKE LANE AT ALL TIMES
- INSTALL VEGETATION AND ALL OTHER MEDIAN COMPONENTS EXCEPT PALM TREES WHICH WILL BE INSTALLED IN PHASE IA



STA 616+49.25 - 636+97.90

PHASE IA

- INSTALL TRAFFIC CONTROL DEVICES AS PER INDEX 601 THRU 608 AND 660
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN NORTHBOUND AT ALL TIMES
- MAINTAIN AT LEAST ONE (1) BICYCLE LANE OPEN AT ALL TIMES
- INSTALL PALM TREES IN MEDIAN
- LANE CLOSURE IS ALLOWED ONLY BETWEEN 9 PM AND 6 AM FOR A MAXIMUM OF FOUR NIGHTS
- PROVIDE SIGNAGE FOR ROAD CLOSED TO THROUGH TRAFFIC. SEE SHEET LD-42.

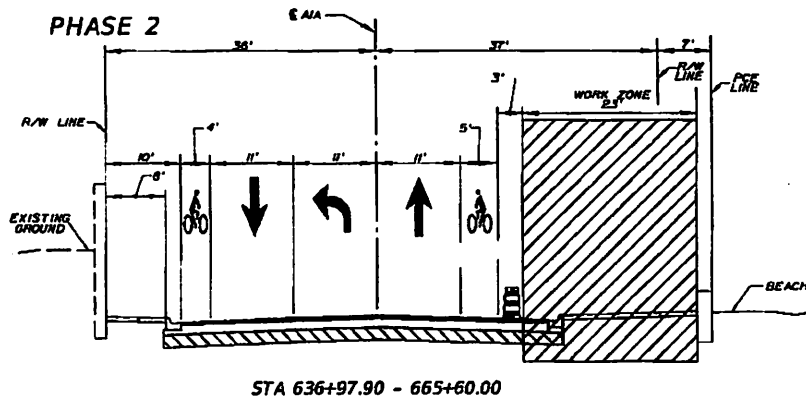


STA 616+49.25 - 636+97.90

DATE	DESCRIPTION	PAGE	REVISIONS	DESCRIPTION	ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 52740 CIVIL DISTRICT IV 3400 WEST COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309 (954) 777-4416 SCOTT.PETERSON@scgcs.com	ROAD NO. A1A COUNTY BROWARD FINANCIAL PROJECT ID 433608-6-32-00	DEPARTMENT OF TRANSPORTATION STATE OF FLORIDA	SHEET NO. LD-41

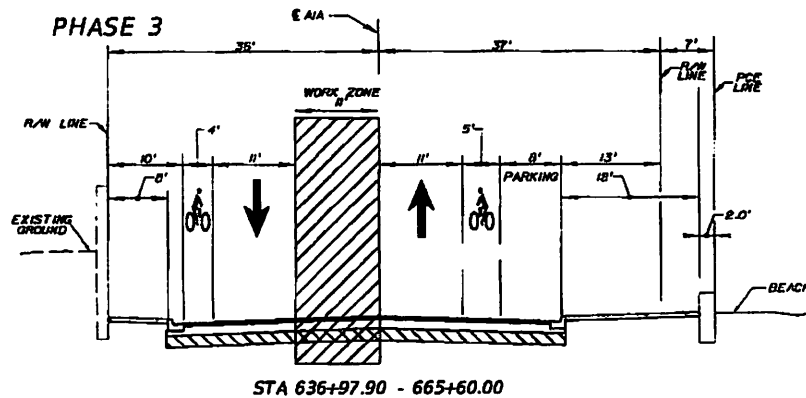
DATE: 03/27/2013 10:27:13 AM

PHASE 2



- INSTALL TRAFFIC CONTROL DEVICES AS PER INDEX 601 THRU 608 AND 660
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN NORTHBOUND AT ALL TIMES
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN SOUTHBOUND AT ALL TIMES
- MAINTAIN BOTH BICYCLE LANES OPEN AT ALL TIMES
- INSTALL LANDSCAPING ON THE EAST SIDE OF THE ROADWAY
- MAINTAIN BEACH ACCESS AT PEDESTRIAN CROSSINGS

PHASE 3




- INSTALL TRAFFIC CONTROL DEVICES AS PER INDEX 601 THRU 608 AND 660
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN NORTHBOUND AT ALL TIMES
- MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC OPEN SOUTHBOUND AT ALL TIMES
- MEDIAN PLANTING WORK ZONES WILL BE WITHIN THE LEFT TURN LANES

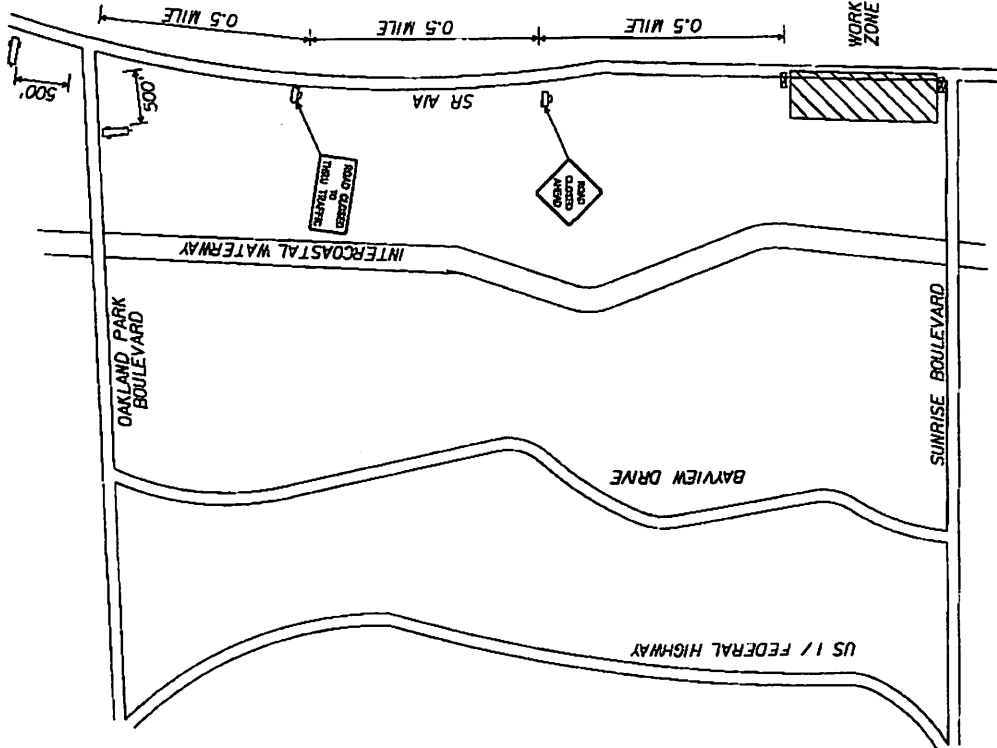
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61015-23.003, F.A.C.

REVISIONS		ENGINEER OF RECORD: SCOTT PETERSON, P.E.		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TRAFFIC CONTROL PLAN	SHEET NO. LD-42
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				ALA	BROWARD	438688-6-32-01		

PHASE 1A DETOUR

 PORTABLE CHANGEABLE MESSAGE SIGN
 LOC TRAF ONLY SB A/A SEEK ALT ROUTE

 TYPE III BARRICADE WITH "ROAD CLOSED" SIGN



NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

DATE	DESCRIPTION	REVISIONS	DATE	DESCRIPTION

ENGINEER OF RECORD: SCOTT PETERSON, P.E. P.E. LICENSE NUMBER 32740 FOOT DISTRICT IV 3400 WEST COMMERCIAL BLVD. AUSTIN, TEXAS 78746 (512) 791-1111 scott.peterson@dot.state.tx.us		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. A/A COUNTY BROWARD FINANCIAL PROJECT ID 433886-6-37-01	SHEET NO. LD-43
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SECTION No.(s): 860500
S.R. No.(s): A1A
FM No: 433688-6-52-01
COUNTY: BROWARD COUNTY

EXHIBIT C

LANDSCAPE IMPROVEMENT MAINTENANCE PLANS

MAINTENANCE PLAN Landscape Improvements

Project State Road No(s): State Road A1A
Project Limits: From N.E. 9th Street (M.P. 3.248) to N.W. 18th Street (M.P. 4.322)
FM No(s): 433688-6-52-01
Maintaining Agency: City of Fort Lauderdale
RLA of Record: Cheryl C. Callender, R.L.A. 6667177
Date: January 29, 2015

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. 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 if 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 general use permit is required from FDOT for approval by the FDOT District Landscape Architect.

HARDSCAPE (SPECIALTY SURFACING)

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 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 (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)

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)

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. Maintain all Coconut trees without fruits and blooms
2. Maintain wave shape of Silver Button Wood hedge in medians per plans, maintain hedge height to a 36 inch maximum.

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

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*

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

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/

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/DS/15/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.dot.state.fl.us/rddesign/DS/15/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.dot.state.fl.us/rddesign/DS/15/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.dot.state.fl.us/rddesign/DS/15/IDx/00700.pdf>

Florida Department of Transportation, *FDOT Plans Preparation Manual (PPM) Vol. 1 Chapter 2.11 Horizontal Clearance*

Table 2.11.5 Horizontal Clearance to Trees

Table 2.11.11 Recoverable Terrain

<http://www.dot.state.fl.us/rddesign/PPMManual/2014PPM.shtm>

Florida Department of Transportation, *FDOT Standard Specifications for Road and Bridge Construction, Section 580 Landscape Installation*

<http://www.dot.state.fl.us/specificationsoffice/Maintenance/Jul14/Files/SS5800000.doc>

<http://www.dot.state.fl.us/specificationsoffice/Implemented/Workbooks/JulWorkbook2014/Files/S5800000FA.pdf>

Florida Department of Transportation, Landscape Architecture Website
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.fisstate.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

A Guide to Roadside Vegetation Management

[http://www.dot.state.fl.us/statemaintenanceoffice/DOT%20Final%20\(3\)Turf%20Management%20Guide%20UF.pdf](http://www.dot.state.fl.us/statemaintenanceoffice/DOT%20Final%20(3)Turf%20Management%20Guide%20UF.pdf)

Interlocking Concrete Pavement Institute (ICPI)

<http://www.icpi.org/>

International Society of Arboriculture (ISA)

www.isa-arbor.com

UF IFAS: *Selecting Tropical and Subtropical Tree Species for Wind Resistance*

<http://edis.ifas.ufl.edu/pdf/FR/FR17500.pdf>

U.S. Department of Transportation, Federal Highway Administration, *Manual on Uniform Traffic Control Devices*

<http://www.mutcd.fhwa.dot.gov>

SECTION No.(s): 860500
S.R. No.(s): A1A
FM No: 433688-6-52-01
COUNTY: BROWARD COUNTY

EXHIBIT D

APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

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.

\$973,204.00



OPINION OF CONSTRUCTION COST

PROJECT STATE ROAD No(s): STATE ROAD A1A
 MAINTENANCE LIMITS: FROM N.E. 8th ST (M.P. 3.248) TO N.E. 18TH ST (M.P. 4.322)
 FM No(s): 433688-6-52-01
 MAINTAINING AGENCY: CITY OF FORT LAUDERDALE
 RLA OF RECORD: CHERYL C. CALLENDER
 DATE: 30-Jan-15

	DESCRIPTION	SPECIFICATION	UNIT	QTY	UNIT PRICE MAT & LAB	SUB-TOTAL
	MOBILIZATION	10% PLANT AND IRRIGATION COST	LS	1		\$77,238
	MAINTENANCE OF TRAFFIC	10% PLANT AND IRRIGATION COST	LS	1		\$77,238
	LARGE PLANTS					\$573,838
CN	COCOS NUCIFERA 'GREEN MALAYAN' (GREEN MALAYAN COCONUT)	14 FT GW	EA	153	\$2,493.40	\$381,490
CNT	COCOS NUCIFERA 'GREEN MALAYAN' (GREEN MALAYAN COCONUT)	18 FT GW	EA	60	\$3,205.80	\$192,348
	SMALL PLANTS					\$148,546
AB	AECHMEA BLANCHETIANA 'RASPBERRY' (RASPBERRY BROMELIAD)	3G		348	\$27.40	\$9,535
AG	ARACHIS GLABRATA (PERENNIAL PEANUT)	1G X 4 IN HT X 12IN SPR		2585	\$6.85	\$17,707
CG	CLUSIA GUTTIFERA 'NANA' (DWARF CLUSIA)	3G X 16IN HT X 16IN SPR		2348	\$13.70	\$32,168
CES	CONOCARPUS ERECTUS 'SERICEUS' (SILVER BUTTONWOOD)	3G X 18IN HT X 18IN SPR		2811	\$10.96	\$30,808
EG	EVOLVULUS GLOMERATUS - BLUE DAZE	1 G		1431	\$6.85	\$9,802
EL	ERNODEA LITTORALIS (BEACH CREEPER)	1 G		1562	\$6.85	\$13,440
FM	FICUS MICROCARPA 'GREEN ISLAND' (GREEN ISLAND FICUS)	3G X 18IN HT X 18IN SPR		1999	\$12.33	\$24,848
GM	GLANDULARIA MARITIMA (BEACH VERBENA)	1 G		1693	\$6.17	\$10,437
	IRRIGATION SYSTEM		LS	1	\$50,000.00	\$50,000
	SUBTOTAL					\$926,881
	CONTINGENCY 5%		LS	1		\$46,343
GRAND TOTAL CONSTRUCTION=						\$973,204

CERTIFICATION

I certify this to be a true and correct copy of the record of the City of Fort Lauderdale, Florida.

WITNESSETH my hand and official seal of the City of Fort Lauderdale, Florida, this the 28th day of Nov, 20 15
Wendy A. Brown City Clerk



RESOLUTION NO. 15-74

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE AMENDMENT NO. 9 TO THE LANDSCAPE INCLUSIVE MEMORANDUM OF AGREEMENT WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION TO CONSTRUCT ADDITIONAL LANDSCAPE IMPROVEMENTS ON STATE ROAD A1A BETWEEN NE 9TH STREET AND NE 18TH STREET, FINANCIAL PROJECT NO. 433688-6-52-01; PROVIDING FOR THE REPEAL OF RESOLUTIONS OR PARTS THEREOF IN CONFLICT HEREWITH; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the City of Fort Lauderdale ("City") and the Florida Department of Transportation ("FDOT") entered into a Landscape Inclusive Memorandum of Agreement for the purpose of maintaining the landscape improvements made by FDOT, dated January 31, 2008; and

WHEREAS, City and FDOT have agreed to add additional landscaping to be installed on State Road A1A between NE 9TH Street and NE 18TH Street in accordance with the plans of Amendment No. 9 to the above referenced agreement, FDOT Financial Project No. 433688-6-52-01; and

WHEREAS, City and FDOT agree that said landscape improvements will be provided for a total amount not to exceed \$973,204.00; and

WHEREAS, FDOT requires execution of, and City desires to enter into Amendment No. 9 to Landscape Inclusive Maintenance Memorandum of Agreement ("MMOA") for completion of Project; and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

SECTION 1. That the proper City officials are hereby authorized to execute Amendment No. 9 to Landscape Inclusive Maintenance Memorandum of Agreement for additional landscape improvements to be installed on State Road A1A between NE 9th Street and NE 18th Street, FDOT Financial Project No. 433688-6-52-01.

SECTION 2. That the office of the City Attorney shall review and approve as to form all documents prior to their execution by City officials.

SECTION 3. That any Resolutions, or parts thereof, in conflict herewith are hereby repealed.


SECTION 4. That this Resolution shall be in full force and effect upon final passage.

ADOPTED this the 7th day of April, 2015.



Mayor
JOHN P. "JACK" SEILER

ATTEST:



City Clerk
JONDA K. JOSEPH

L:\COMM 2015\Resolution\April 7th15-74.docx