SECTION NO: 86028
S.R. NO(S): 834 (Sample Rd.)
COUNTY: Broward
FM NO.(S): 421656-1-52-01

DISTRICT FOUR (4) AMENDMENT # TWO (2) TO STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND CITY OF COCONUT CREEK LANDSCAPE INCLUSIVE LANDSCAPE MEMORANDUM OF AGREEMENT

This is Amendment Number Two to the Agreement dated May 27, 2009, made and entered into this 10th day of March 2010 by and between the State of Florida Department of Transportation hereinafter called the "**DEPARTMENT**" and the City of Coconut Creek, a political subdivision of the State of Florida, hereinafter called the "**AGENCY**".

WHEREAS, the parties entered into the Inclusive Maintenance of Agreement dated May 27, 2009 for the purpose of maintaining the landscape improvements by the AGENCY on various State Roads including State Road 834 (Sample Road) and

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

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 6 of the Inclusive Agreement for State Road 834 dated May 27, 2009 the **DEPARTMENT** has decided to construct additional landscape improvements or to modify an improvement located as indicated in Exhibit A. State Road 834 (Sample Road) from west of N.W. 54th Avenue (M.P. 3.221) to east of Tradewinds Park Road (M.P. 4.763) in accordance with the plans attached as Exhibit B.

2. 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.

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 **$72,283.71**.

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 & MAINTENANCE BOUNDARIES & 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 2010 year written and approved.

City of Coconut Creek
a municipal corporation.

BY: _____
David J. Rivera
City Manager

ATTEST:

_____
Barbara S. Price,
City Clerk

APPROVED AS TO FORM:

_____
Paul S. Stuart
City Attorney NANCY A. COUSINS

State of Florida
Department of Transportation

BY: _____
Transportation Development

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

_____ March 10, 2010
Office of the General Counsel Date

SECTION NO: 86028
S.R. NO(S): 834 (Sample Rd.)
COUNTY: Broward
FM NO.(S): 421656-1-52-01

EXHIBIT A

I. PROJECT LOCATION:

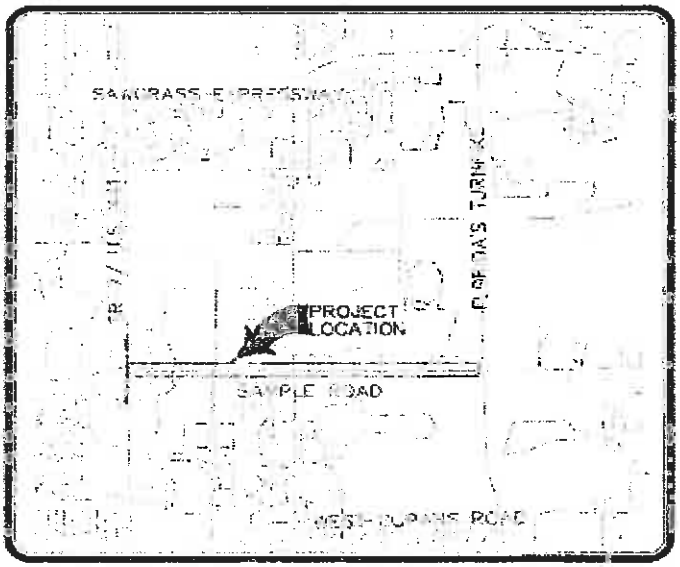
State Road 834 (Sample Road) from west of N.W. 54th Avenue (M.P. 3.221) to east of Tradewinds Park Road (M.P. 4.763) (City of Coconut Creek, in Broward County)

II. PROJECT MAINTENANCE LIMITS FOR THIS PROJECT:

State Road 834 (Sample Road) from west of N.W. 54th Avenue (M.P. 3.221) to east of Tradewinds Park Road (M.P. 4.763) (City of Coconut Creek, in Broward County). The Agency shall still be responsible for the maintenance of SR 834 (Sample road) from M.P. 3.008 to M.P. 5.030 and all other roads listed in the original agreement.

III. PROJECT MAINTENANCE BOUNDARY MAP:

BEGIN PROJECT



END PROJECT

LOCATION MAP

SECTION NO: 86028
S.R. NO(S): 834 (Sample Rd.)
COUNTY: Broward
FM NO.(S): 421656-1-52-01

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: Ken Gardner R.L.A.
Rosenberg Gardner Design
Dated: 2/11/2010

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 421656-1-52-01

BROWARD COUNTY (86028)

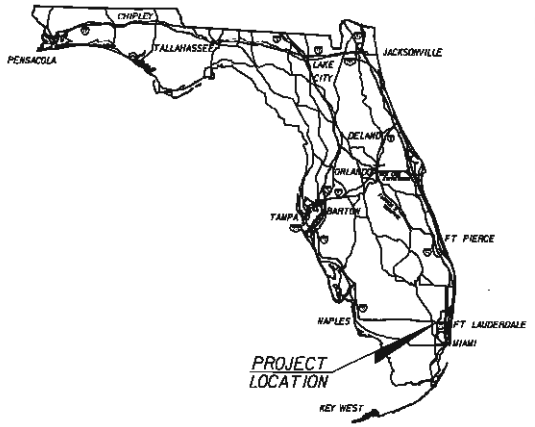
STATE ROAD NO. 834 (SAMPLE ROAD)

FROM WEST OF NW 54 AVE TO EAST OF TRADEWINDS PARK ROAD

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	KEY MAP
LD-3	TABULATION OF QUANTITIES/PLANT SCHEDULE
LD-4	TABULATION OF QUANTITIES IRRIGATION & SITE AMENTITIES
LD-5	GENERAL AND PAY ITEM NOTES
LD-6	EXISTING TREE DISPOSITION LIST
LD-7 - LD-10	EXISTING LANDSCAPE DISPOSITION PLAN
LD-11 - LD-14	PLANTING PLAN
LD-15	IRRIGATION PLAN
LD-16	FLEXIBLE SWING JOINT DETAIL



LANDSCAPE SHOP DRAWINGS TO BE SUBMITTED TO:

ROSENBERG GARDNER DESIGN
ATTN: KEN GARDNER
5190 N.W. 167 STREET, SUITE 111
MIAMI, FLORIDA 33014

PLANS PREPARED BY:

ROSENBERG GARDNER DESIGN

LANDSCAPE ARCHITECTURE
LAND PLANNING
5190 NW 167th ST, Suite 111
MIAMI, FLORIDA 33014
PHONE: 305-620-7761
FAX: 305-520-7787
CORPORATE #: LC0000295
www.ROSENBERGGARDNER.com

CONTRACT NO. C-8095
VENDOR NO. (355)957-001
C.A. NO. LC0000266

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

KEY SHEET REVISIONS	
DATE	DESCRIPTION

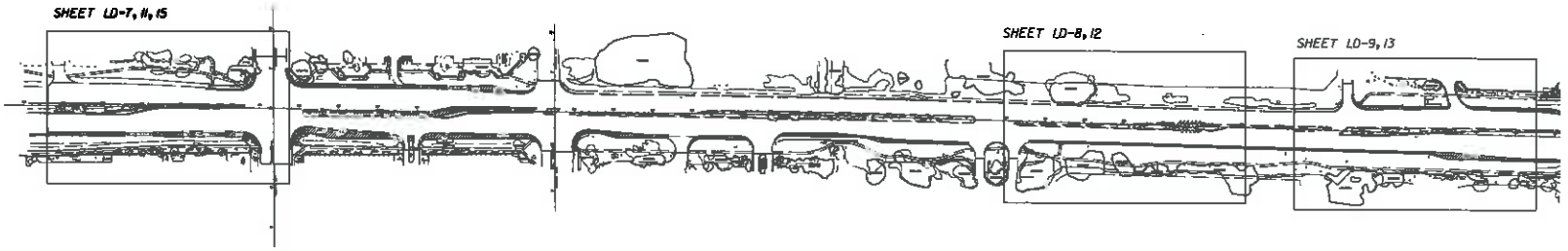
LANDSCAPE PLANS LANDSCAPE ARCHITECT OF RECORD: KEN GARDNER

R.L.A. NO.:

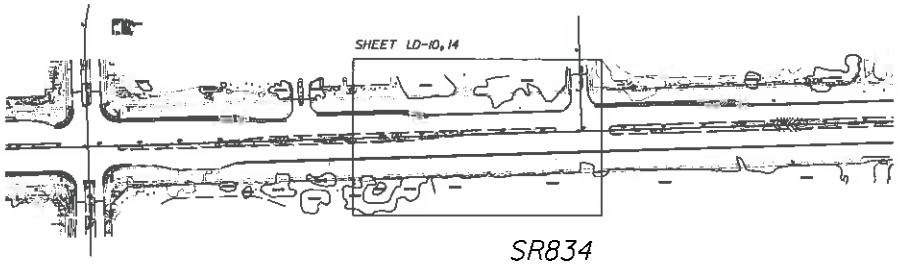
FISCAL YEAR	SHEET NO.
11	LD-1

FDOT PROJECT MANAGER: THUC LE, P.E.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.001, F.A.C.



SR834



SR834

N

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.001, F.A.C.

REVISIONS				ROSENBERG GARDNER DESIGN	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			KEY MAP	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		LD-2
					834	BROWARD	421656-1-52-01		

TABULATION OF QUANTITIES / PLANT SCHEDULE

PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS								TOTAL THIS SHEET		GRAND TOTAL	
										LD-11		LD-12		LD-13		LD-14					
										PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
162-1-12			PREPARED SOIL LAYER						SY	408		205		300		237		1150		1150	
570-1-2	SMALL	SOD	ST. AUGUSTINE "FLORATAM"		SOLID SOD, PATCH AS REQUIRED	3"			SF	55								55		55	
570-1-1	LARGE	PHDA	PHOENIX DACTYLIFERA 'MEDJOOL'	MEDJOOL DATE PALM	25' TALL	N/A	N/A		EA	1								1		1	
580-1-1	SMALL	JUPA	JUNIPERUS DAVURICA 'PARSONII'	PARSON'S JUNIPER	1 GAL. CANS, FULL	12"	12"		EA	2530		2057		2350		1670		8607		8607	
590-70			IRRIGATION SYSTEM COMPLETE						LS									1		1	

TABULATION OF QUANTITIES / PLANT SCHEDULE

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-11.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
KEN GARDNER, FL LA 0181

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	42[illegible]356-1-52-01

TABULATION OF QUANTITIES
PLANT SCHEDULE

SHEET NO.
LD-3

TABULATION OF QUANTITIES
/ SCHEDULE FOR IRRIGATION & SITE AMENTITIES

SYMBOL	QUANTITY	UNIT	DESCRIPTION / REMARKS
———	AS REQUIRED		PVC LATERALS & MAINS SHALL BE SCHEDULE 40 PVC (SIZED AS SHOWN ON PLANS) FLEXIBLE PVC OR POLYPIPE (FOR SWING JOINTS)
			RAINBIRD SPRAY HEADS 1800 @ 30 PSI SERIES W/MPR NOZZLES (OR APPROVAL EQUAL) 12" POP-UP IN SHRUB AREAS
	12	EA	15-H (1.85 GPM)
	2	EA	15-SST (1.21 GPM)
	1	EA	15-EST (0.61 GPM)

TABULATION OF QUANTITIES
/ SCHEDULE FOR IRRIGATION & SITE AMENTITIES

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, FL LA 0001111

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

TABULATION OF QUANTITIES
IRRIGATION & SITE AMENTITIES

SHEET NO. LD-4

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G1-11.011, F.A.C.

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL REQUIREMENTS.

2. ALL TREES AND PALMS SHOWN TO BE REMOVED IN THE EXISTING TREE DISPOSITION PLANS SHALL BE INCLUDED UNDER 110-1-1 CLEARING AND GRUBBING.
(REFER TO ROADWAY PLANS) THE COST FOR THE REMOVAL OF ANY EXISTING INVASIVE VEGETATION WITHIN THE PROJECT LIMITS SHALL BE INCLUDED UNDER 110-1-1 CLEARING AND GRUBBING.

3. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE CONTINUAL OPERATION OF ANY SPRINKLER SYSTEM ENCOUNTERED IN THE ROW, BY IMMEDIATELY REPAIRING AND REPLACING PIPES, SPRINKLER HEADS, AND IRRIGATION CONTROLS. THE COST OF REPAIRING OR MAINTAINING EXISTING IRRIGATION SYSTEMS SHALL BE INCLUDED IN THE COST FOR IRRIGATION (0590-70). WHEN THE OPERATION OF THE SYSTEM IS INTERRUPTED, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE WATER BY OTHER MEANS, SUCH AS HAND WATERING OR WATER TRUCK.

4. PROTECTION OF EXISTING VEGETATIONPRIOR TO AND DURING CONSTRUCTION, SURROUND ALL LANDSCAPE TO REMAIN AS PER INDEX 544. STAKE MESH A MINIMUM OF 6 FEET ON CENTER. KEEP PROTECTION AS FAR AS POSSIBLE FROM THE PLANTS CONSISTENT WITH MOT AND SPACE FOR
CONSTRUCTION. IN CLEAR SIGHT ZONES (PER INDEX 546), KEEP MESH NO HIGHER THAN 18 INCHES ABOVE TOP OF CURB HEIGHT. USE 1 INCH PVC
STAKES IN HORIZONTAL CLEAR ZONE.

5. THE COST OF ALL LANDSCAPE AND IRRIGATION MAINTENANCE ACTIVITES SHALL BE INCLUDED IN THE COST FOR PAY ITEM (0590-70)

6. ALL EXISTING LANDSCAPE SHALL BE FERTILIZED SUFFICIENTLY TO MAINTAIN A HEALTHY, GROWING STATE THROUGHOUT CONSTRUCTION AND THE ONE-YEAR MAINTENANCE AND WARRANTLY PERIOD.

7. THE PALMS SHALL BE ROUTINELY EVALUATED DURING CONSTRUCTION AND WARRANTY PERIOD FOR PEST INFESTATION AND TREATED AS DEEMED
NECESSARY.

8. ISA CERTIFIED ARBORIST CURRENT WITH A BROWARD COUNTY TREE TRIMMERS LICENSE MUST BE PRESENT ON SITE TO SUPERVISE THE TRIMMING OF ANY EXISTING TREES AND PALMS IN THE R.O.W.

PAY ITEM NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THE PAY ITEM FOR CLEARING & GRUBBING (110-1-1, SEE ROADWAY PLANS), FOR THE COST OF REMOVING FROM ANY NEW LANDSCAPE AREAS IN THE MEDIANS, PRIOR TO PLANTING AND IRRIGATION INSTALLATION, ALL ASPHALT OR CONCRETE PAVING, LIMESTONE ROADROCK RUBBLE, AND COMPACTED ROAD BASE DOWN 12" MEASURED FROM ADJACENT TOP OF ASPHALT.

2. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER CLEARING AND GRUBBING PAY ITEM FOR REPLACING ANY SHRUBS, PALMS, AND TREES DAMAGED DURING CONSTRUCTION. THE SAME SPECIES SHALL BE USED, AND THE SIZES OF PALMS AND TREES SHALL MATCH AS CLOSELY AS POSSIBLE THE SIZES OF THOSE NEEDING REPLACEMENT.

PAY ITEM 162-1-12 SHALL INCLUDE THE FOLLOWING:

1. BACKFILL THOSE AREAS OF THE MEDIANS EXCAVATED FOR LANDSCAPING TO WITHIN 3" FROM TOP OF CURB.

2. SUBMIT A SOIL SAMPLE TO PROJECT ENGINEER FOR APPROVAL BEFORE BACKFILLING.

GENERAL IRRIGATION NOTES:

1. SCOPE OF WORK: THE CONTRACTOR SHALL FURNISH ALL LABOR, MACHINERY, TOOLS, SUPPLIES, AND EQUIPMENT AS NECESSARY TO CONSTRUCT AND PROVIDE AN OPERATING SYSTEM, AS INDICATED IN THE PLANS. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, FURNISHING MATERIALS (PIPE, SPRINKLER HEADS, FITTINGS, PRIMER, GLUE, ETC.), LAYOUT, PROTECTION TO THE PUBLIC, EXCAVATION, ASSEMBLY, INSTALLATION, BACKFILLING, COMPACTION, REPAIR OF ROAD OR PAVEMENT SURFACES, CLEAN-UP, MAINTENANCE AND GUARANTEE, AND AS-BUILT PLANS.

2. GUARANTEE: THE IRRIGATION SYSTEM SHALL BE GUARANTEED FOR A MINIMUM OF ONE CALENDAR YEAR FROM THE TIME OF FINAL ACCEPTANCE.

3. REPAIR UTILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE LOCATION OF ALL UTILITIES BY HAND EXCAVATION OR OTHER APPROPRIATE MEASURES BEFORE PERFORMING ANY WORK THAT MAY RESULT IN DAMAGE TO UTILITIES STRUCTURES, OR PROPERTY. THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REPAIR, REPLACE, OR RESTORE ALL SERVICES TO ANY UTILITIES WHICH ARE DISRUPTED DUE TO HIS OPERATIONS. ALL COSTS INVOLVED IN DISRUPTION OF SERVICE AND REPAIRS DUE TO NEGLIGENCE ON PART OF THE CONTRACTOR SHALL BE HIS RESPONSIBILITY.

4. AS-BUILT DRAWINGS: PRINTS OF THE PLANS WILL BE SUPPLIED TO THE CONTRACTOR FOR RECORDING "AS-BUILT" INFORMATION. IMMEDIATELY UPON INSTALLATION OF ANY WORK WHICH DEVIATES FROM WHAT IS SHOWN ON THE PLANS, THE CONTRACTOR SHALL CLEARLY INDICATE SUCH CHANGES IN RED PENCIL ON THE PRINTS. SUCH CHANGES SHALL INCLUDE, BUT NOT BE LIMITED TO, CHANGES IN (1) MATERIALS; (2) SIZES OF MATERIAL; (3) LOCATION; AND (4) QUANTITIES.

5. THE ENTIRE INSTALLATION SHALL FULLY COMPLY WITH ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES. THE CONTRACTOR SHALL TAKE OUT ALL REQUIRED PLUMBING AND ELECTRICAL APPLICATIONS AND PERMITS, ARRANGE FOR ALL NECESSARY INSPECTIONS AND SHALL PAY ALL FEES AND EXPENSES IN CONNECTION WITH SAME AS PART OF WORK UNDER THE CONTRACT.

6. UNIT PRICES: THE SUCCESSFUL BIDDER SHALL FURNISH, TO THE OWNER, A UNIT PRICE BREAKDOWN FOR ALL MATERIALS. THE OWNER MAY AT HIS OWN DISCRETION, ADD TO OR DELETE FROM THE MATERIALS, USING THE UNIT PRICE BREAKDOWN SUBMITTED TO AND ACCEPTED BY THE OWNER.

7. MAINTENANCE PERIOD: THE IRRIGATION SYSTEM SHALL BE MAINTAINED FOR A PERIOD OF 90 DAYS AFTER FINAL ACCEPTANCE OF INSTALLATION. MAINTENANCE SHALL INCLUDE CHECKING OF THE SYSTEM 2 TIMES PER WEEK. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE/REPAIR ANY BROKEN OR MALFUNCTIONING PARTS OF THE SYSTEM INCLUDING THOSE DAMAGED BY ACCIDENTS OR VANDALISM. REPAIRS SHALL BE MADE IMMEDIATELY AT THE TIME OF INSPECTION OR WHEN NOTIFIED BY THE PROJECT ENGINEER.

8. THE IRRIGATION SYSTEM SHALL PROVIDE 100% COVERAGE WITH A MINIMUM OF 90% OVERLAP OF WATER SPRAY.

9. THE SYSTEM IS DESIGN TO PROVIDE SPRINKLER PRECIPITATION RATES THAT ARE NEARLY EQUAL IN EACH ZONE. MIXING OF SPRINKLERS WITH WIDELY VARYING PRECIPITATION RATES IN A ZONE WILL NOT BE ACCEPTED.

10. ALL PIPE SHALL BE MADE OF SCHEDULE 40 PVC, EXCEPT FLEXIBLE PVC (OR TORO FUNNY PIPE) FOR FLEXIBLE SWING JOINTS. PIPE LOCATIONS SHALL BE ADJUSTED IN THE FIELD. WHEN LAYING OUT MAINS AND LATERALS, LOCATE PIPE NEAR EDGES OF PAVEMENT OR AGAINST BUILDINGS WHEREVER POSSIBLE, TO ALLOW SPACE FOR PLANT ROOTBALLS. COORDINATE PIPE LOCATIONS WITH PLANTINGS. BURY ALL LATERALS 12". DEPTH SHALL BE MEASURED TO TOP OF PIPE.

11. KEEP POP-UP SPRINKLER HEADS A MINIMUM OF 12" FROM EDGES OF CURBING.

IRRIGATION EXPANSION NOTES:

IT IS ANTICIPATED THAT AFTER COMPLETION OF THESE TASKS THERE WILL BE A FULLY FUNCTIONING AUTOMATIC IRRIGATION SYSTEM (EQUIPPED WITH AN AUTOMATIC RAIN-SHUT OFF DEVICE) THAT WILL PROVIDE IRRIGATION TO ALL NEW LANDSCAPE AREAS WITH 90% OVERLAP OF SPRAY.

1.THE CONTRACTOR SHALL LOCATE EXISTING CONNECTION TO WATER SOURCE (PUMP AND WELL, LAKE INTAKE OR WATER METER), CONTROLLER, RAIN SHUT OFF DEVICE, VALVES AND MAINLINE. THE CONTRACTOR SHALL THEN VERIFY THAT ALL SYSTEMS ARE IN WORKING ORDER AND PERFORM A FLOW TEST TO DETERMINE THE AMOUNT OF WATER FLOW AND PRESSURE THROUGHOUT THE SYSTEM.
2.IF THERE IS NO EXISTING RAIN SHUT OFF DEVICE THEN THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW ONE. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE ELECTRICAL HOOK UP IS PERFORMED TO ALL APPLICABLE CODES AND ORDINANCES.
3.IF FLOWS ARE NOT SUFFICIENT TO PROPERLY OPERATE THE SYSTEM, THE CONTRACTOR SHALL MAKE SUGGESTIONS FOR CORRECTIONS.

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G60-11.004, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
NEW GARDNER, FL LA 0101?

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				SHEET NO.
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	GENERAL AND PAY ITEM NOTES	LD-5
834	BROWARD	421656-1-52-01		

TREE #	COMMON NAME	BOTANICAL NAME	NATIVE	DBH (In.)	CANOPY AREA (sq. ft.)	TO BE REMOVED	TO REMAIN	TO BE RELOCATED	STATION	OFFSET	NOTES
CITY OF COCONUT CREEK											
1	Sabal Palm	Sabal palmetto	Y	12	79		X		268+84.564	(-)10.11'	
2	Sabal Palm	Sabal palmetto	Y	12	79		X		268+89.781	0'	
3	Sabal Palm	Sabal palmetto	Y	12	79		X		268+94.811	(-)10.11'	
4	Sabal Palm	Sabal palmetto	Y	12	79		X		269+00.529	0'	
5	Sabal Palm	Sabal palmetto	Y	12	79		X		269+04.843	(-)10.24'	
6	Sabal Palm	Sabal palmetto	Y	12	79		X		269+09.523	(-)11.01'	
7	Sabal Palm	Sabal palmetto	Y	12	79		X		269+15.078	(-)10.38'	
8	Sabal Palm	Sabal palmetto	Y	12	79		X		269+20.075	(-)11.08'	
9	Sabal Palm	Sabal palmetto	Y	12	79		X		269+25.913	(-)10.31'	
10	Sabal Palm	Sabal palmetto	Y	12	79		X		269+30.395	(-)11.12'	
11	Sabal Palm	Sabal palmetto	Y	12	79		X		269+34.668	(-)10.32'	
12	Sabal Palm	Sabal palmetto	Y	12	79		X		269+39.909	0'	
13	Sabal Palm	Sabal palmetto	Y	12	79		X		269+43.771	(-)10.41'	
14	Sabal Palm	Sabal palmetto	Y	12	79		X		269+50.066	0'	
15	Sabal Palm	Sabal palmetto	Y	12	79		X		269+55.149	(-)10.41'	
16	Solitaire Palm	Ptychosperma elegans	N	5	50		X		270+09.355	(-)13.81'	
17	Solitaire Palm	Ptychosperma elegans	N	7	50		X		270+50.101	(-)12.24'	
18	Solitaire Palm	Ptychosperma elegans	N	6	50	X			270+69.878	(-)11.74'	
19	Solitaire Palm	Ptychosperma elegans	N	6	50	X			270+89.861	(-)11.11'	
20	Medjool Date Palm	Phoenix dactylifera 'Medjool'	N	16	201	X			271+30.431	1.18'	
21	Royal Palm	Roystonea regia	Y	14	201		X		296+13.059	(-)15.1'	
22	Royal Palm	Roystonea regia	Y	14	201		X		296+27.788	(-)15.13'	
23	Royal Palm	Roystonea regia	Y	14	201		X		296+42.672	(-)15.13'	
24	Sabal Palm	Sabal palmetto	Y	10	79		X		297+24.768	(-)11.1'	
25	Sabal Palm	Sabal palmetto	Y	12	79	X			297+29.981	(-)13.67'	
26	Sabal Palm	Sabal palmetto	Y	12	79	X			297+34.908	(-)11.1'	
27	Sabal Palm	Sabal palmetto	Y	12	79	X			297+39.828	(-)13.42'	
28	Sabal Palm	Sabal palmetto	Y	10	79		X		297+44.602	0'	
29	Sabal Palm	Sabal palmetto	Y	12	79	X			297+49.377	(-)13.12'	
30	Sabal Palm	Sabal palmetto	Y	10	79	X			297+55.196	(-)11.26	
31	Sabal Palm	Sabal palmetto	Y	14	79	X			297+59.451	(-)13.03	
32	Sabal Palm	Sabal palmetto	Y	10	79		X		297+64.383	(-)11.14	
33	Sabal Palm	Sabal palmetto	Y	10	79	X			297+70.644	(-)12.72	
34	Sabal Palm	Sabal palmetto	Y	10	79	X			297+74.261	(-)11.14	
35	Sabal Palm	Sabal palmetto	Y	10	79	X			297+79.192	0.31	
36	Sabal Palm	Sabal palmetto	Y	12	79		X		297+85.056	(-)13.12	
37	Solitaire Palm	Ptychosperma elegans	N	6	50		X		301+87.482	(-)10.7	
38	Solitaire Palm	Ptychosperma elegans	N	6	50		X		302+05.499	(-)10.64	
39	Solitaire Palm	Ptychosperma elegans	N	6	50		X		302+27.184	0	
40	Solitaire Palm	Ptychosperma elegans	N	6	50		X		302+67.034	0.89	
41	Solitaire Palm	Ptychosperma elegans	N	6	50		X		302+87.812	1.21	
42	Medjool Date Palm	Phoenix dactylifera 'Medjool'	N	24	201		X		303+57.567	5.01	
43	Sabal Palm	Sabal palmetto	Y	10	79		X		329+10.158	(-)14.41	
44	Sabal Palm	Sabal palmetto	Y	10	79	X			329+13.941	3.11	
45	Sabal Palm	Sabal palmetto	Y	10	79	X			329+20.482	(-)14	
46	Sabal Palm	Sabal palmetto	Y	10	79		X		329+25.007	3.08	
47	Sabal Palm	Sabal palmetto	Y	10	79	X			329+30.503	(-)13.88	
48	Sabal Palm	Sabal palmetto	Y	10	79	X			329+33.564	2.76	
49	Sabal Palm	Sabal palmetto	Y	10	79		X		329+40.407	(-)13.52	
50	Royal Palm	Roystonea regia	Y	14	201		X		329+58.942	(-)10.74	
51	Royal Palm	Roystonea regia	Y	14	201		X		329+98.847	0.54	
52	Royal Palm	Roystonea regia	Y	14	201		X		330+18.693	1.01	
53	Royal Palm	Roystonea regia	Y	14	201		X		330+38.167	2.11	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-11.001, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

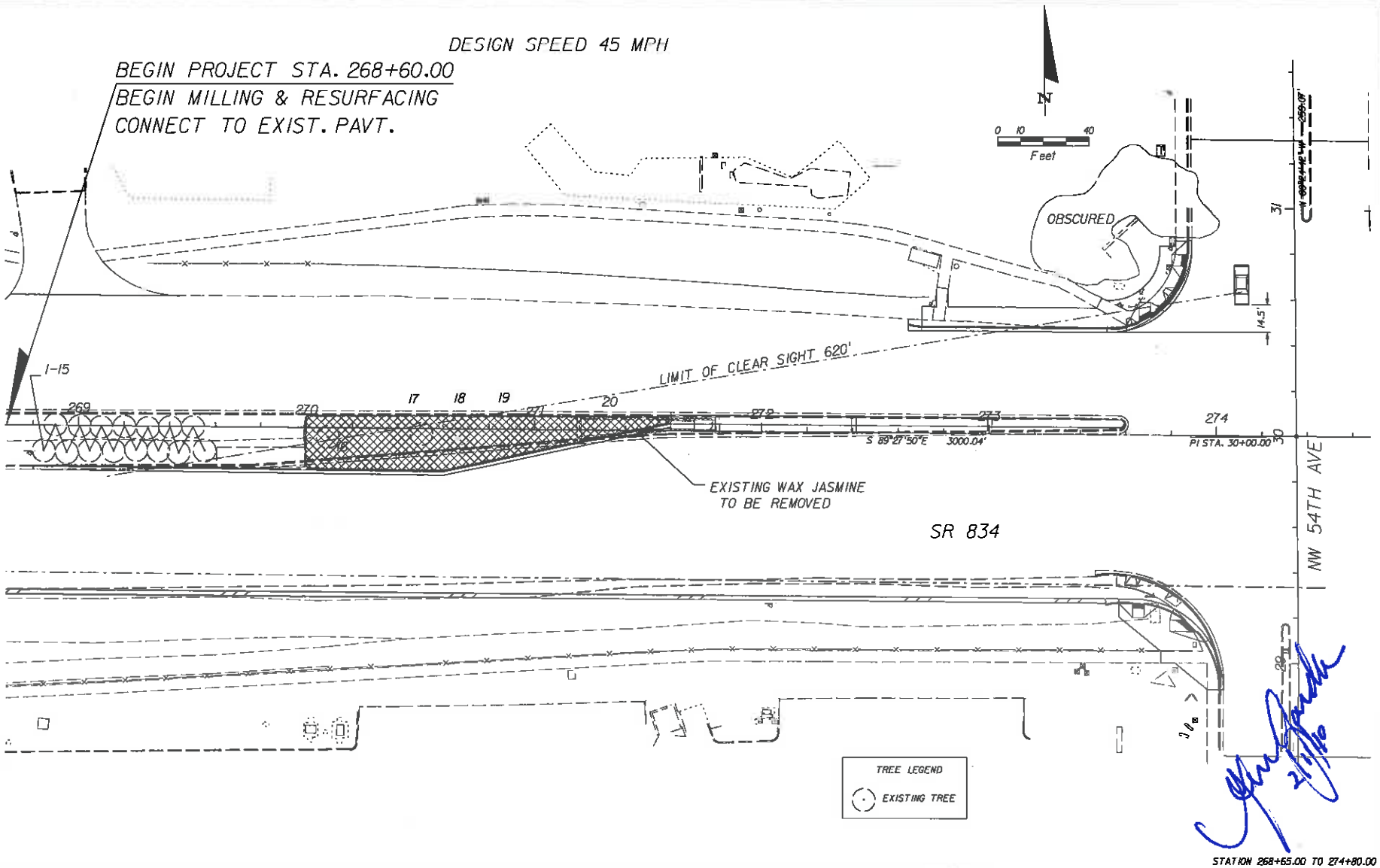
ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, FL LA 0[illegible]

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

EXISTING TREE DISPOSITION LIST

SHEET NO. LD-6



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING

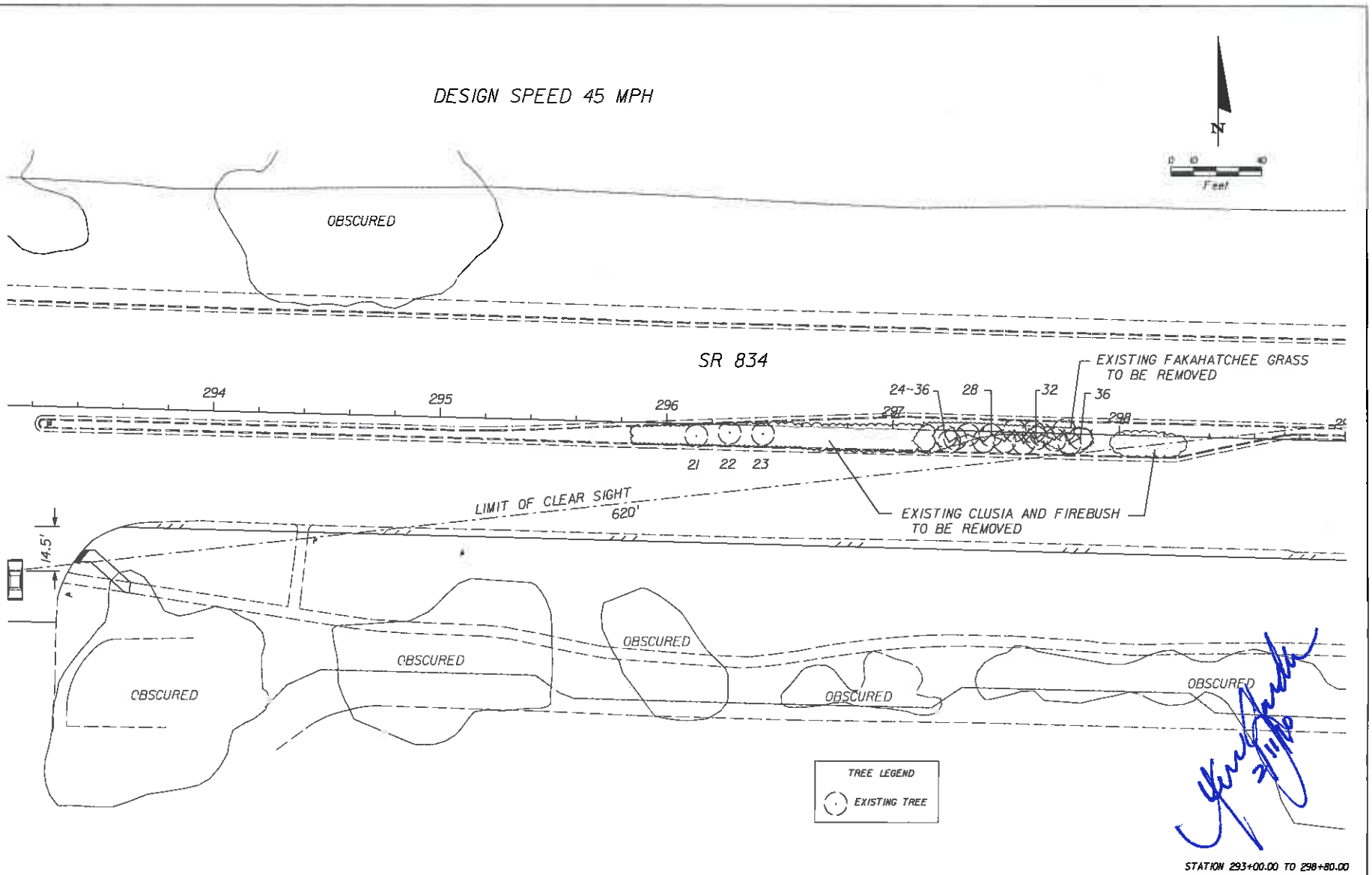
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

EXISTING LANDSCAPE DISPOSITION PLAN

SHEET NO. LD-7

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G0-11.014, F.A.C.



STATION 293+00.00 TO 298+80.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING

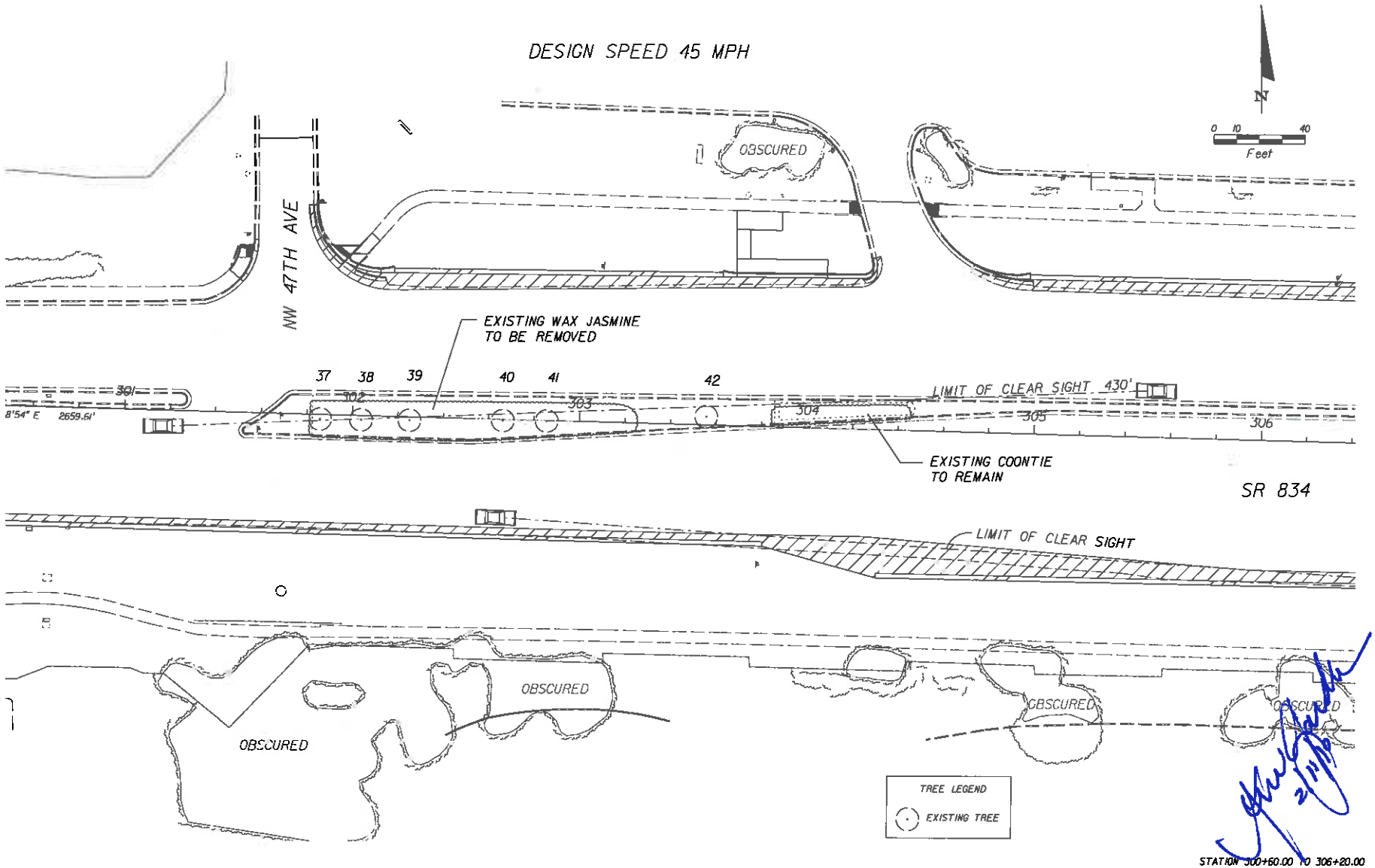
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

EXISTING LANDSCAPE DISPOSITION PLAN

SHEET NO. LD-8

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 5J60-41.011, F.A.C.



STATION 300+60.00 TO 306+20.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

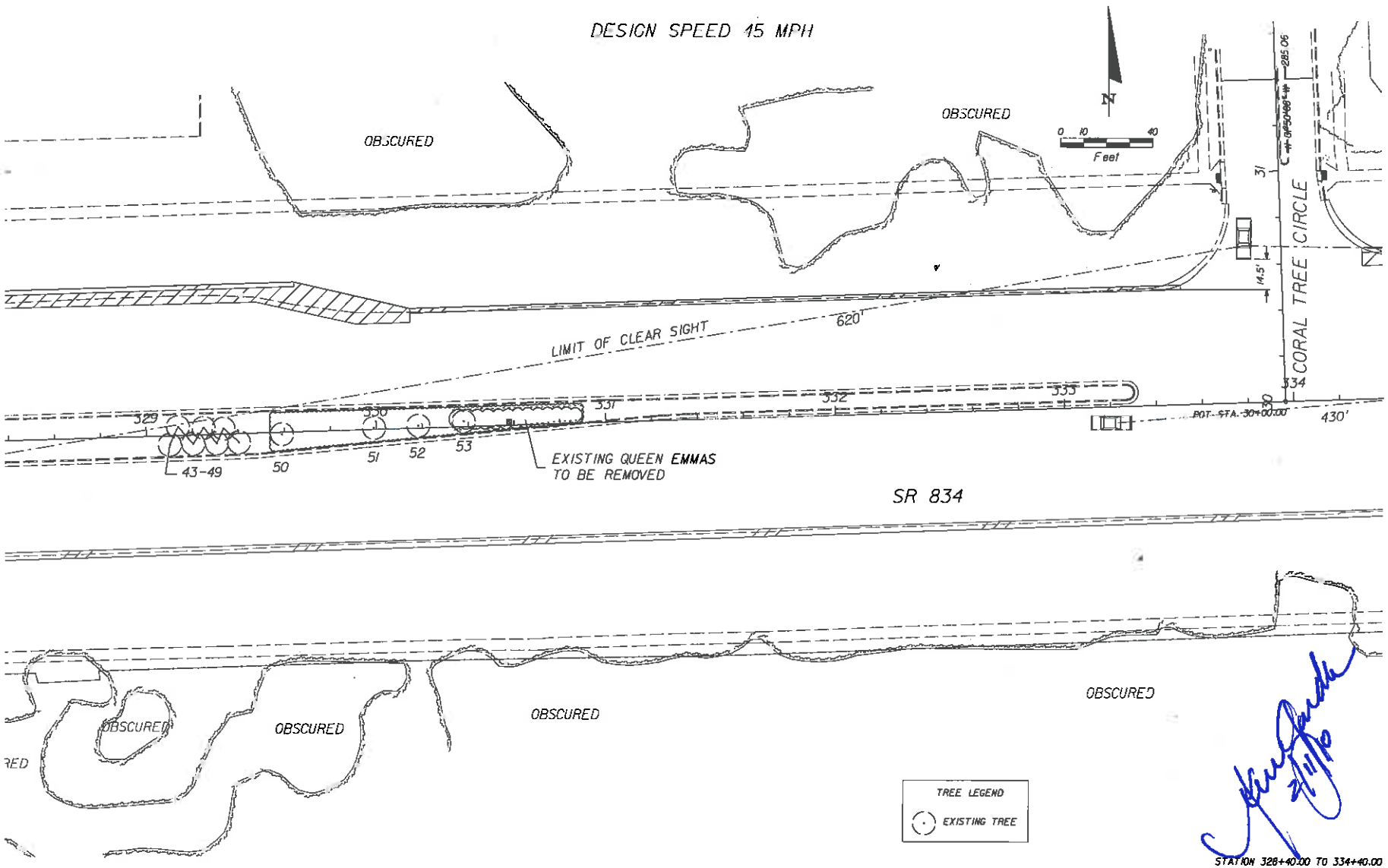
ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
KEN GARDNER, FL LA 0916

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

EXISTING LANDSCAPE DISPOSITION PLAN

SHEET NO. LD-9



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, FL LA 0667

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

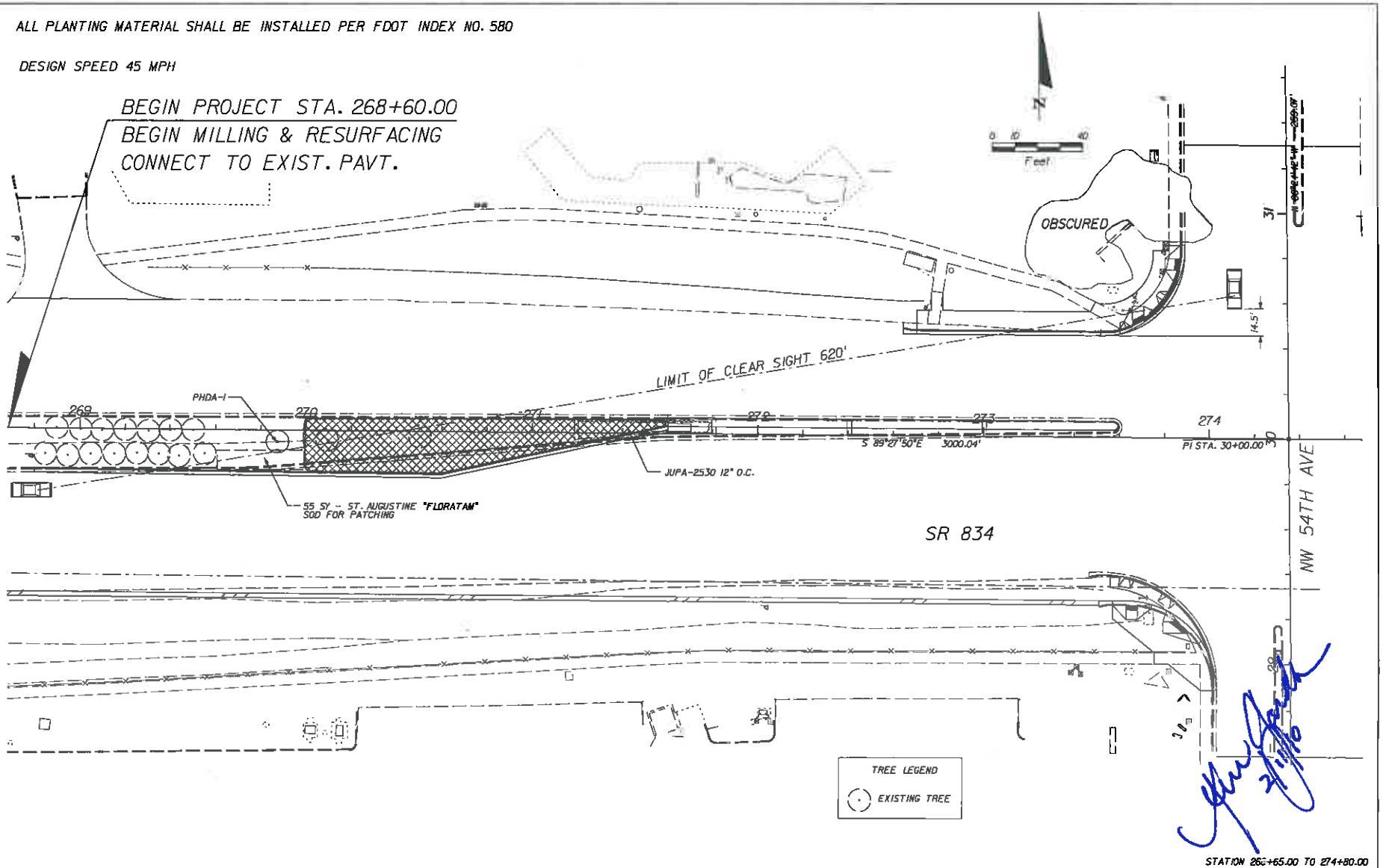
EXISTING LANDSCAPE DISPOSITION PLAN

SHEET NO. LD-10

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 5J60-11.011, F.A.C.

ALL PLANTING MATERIAL SHALL BE INSTALLED PER FDOT INDEX NO. 580

DESIGN SPEED 45 MPH



STATION 268+65.00 TO 274+80.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, PLA #1673

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

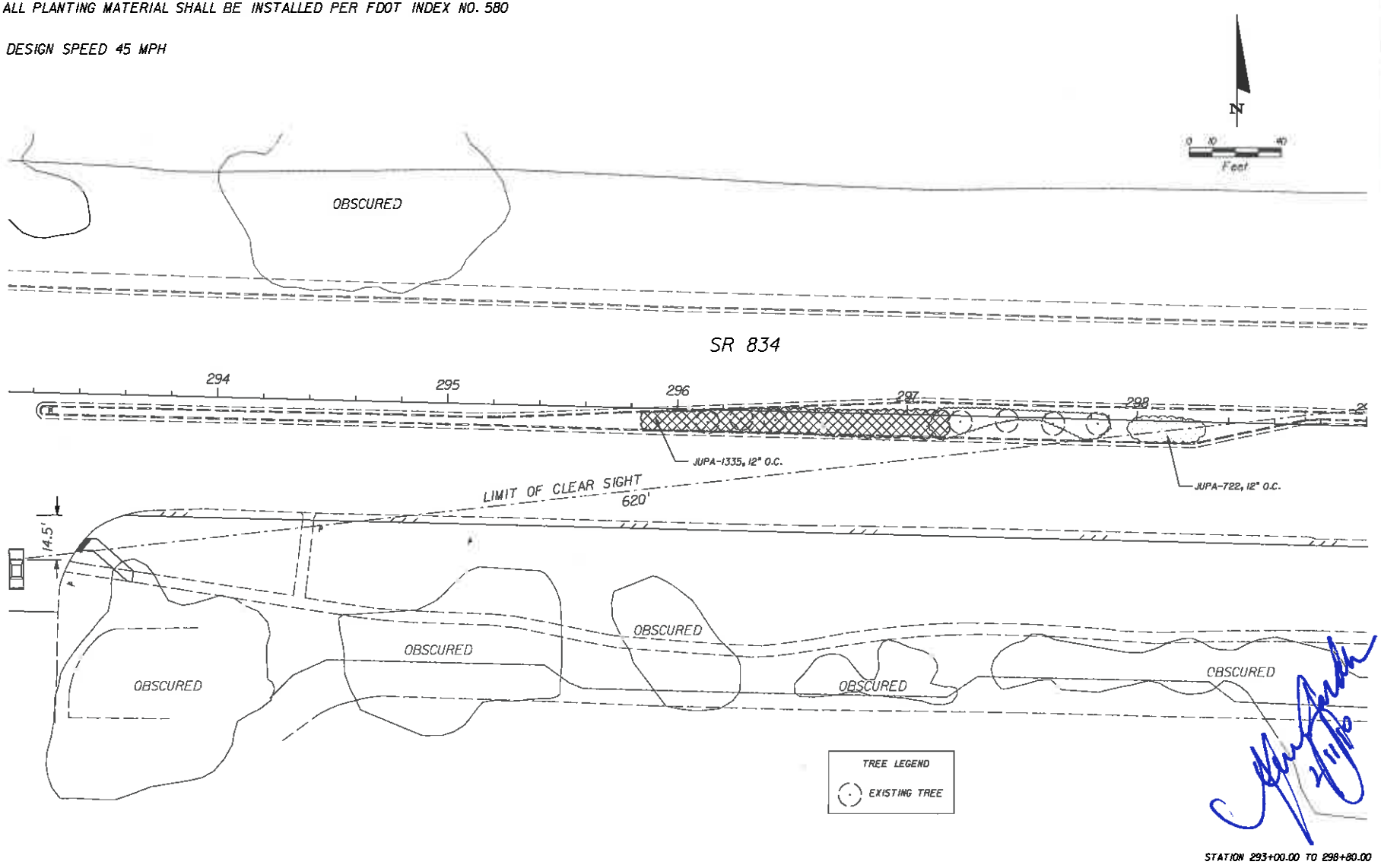
PLANTING PLAN

SHEET NO. LD-11

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

ALL PLANTING MATERIAL SHALL BE INSTALLED PER FDOT INDEX NO. 580

DESIGN SPEED 45 MPH



STATION 293+00.00 TO 298+80.00

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
KEN GARDNER, FL LA 818

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

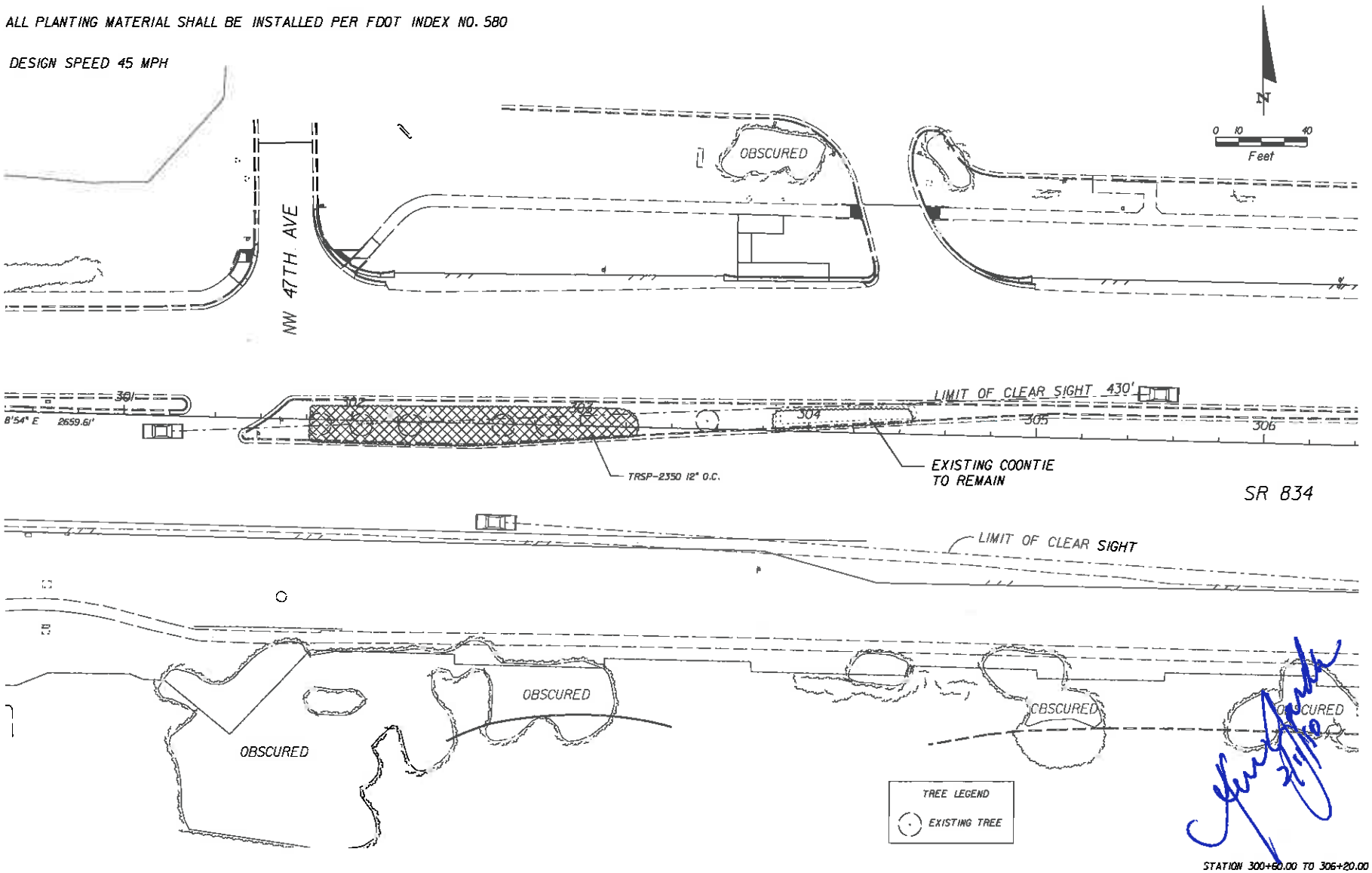
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

PLANTING PLAN

SHEET NO.
LD-12

ALL PLANTING MATERIAL SHALL BE INSTALLED PER FDOT INDEX NO. 580

DESIGN SPEED 45 MPH



STATION 300+60.00 TO 306+20.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, FLLA #1569

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

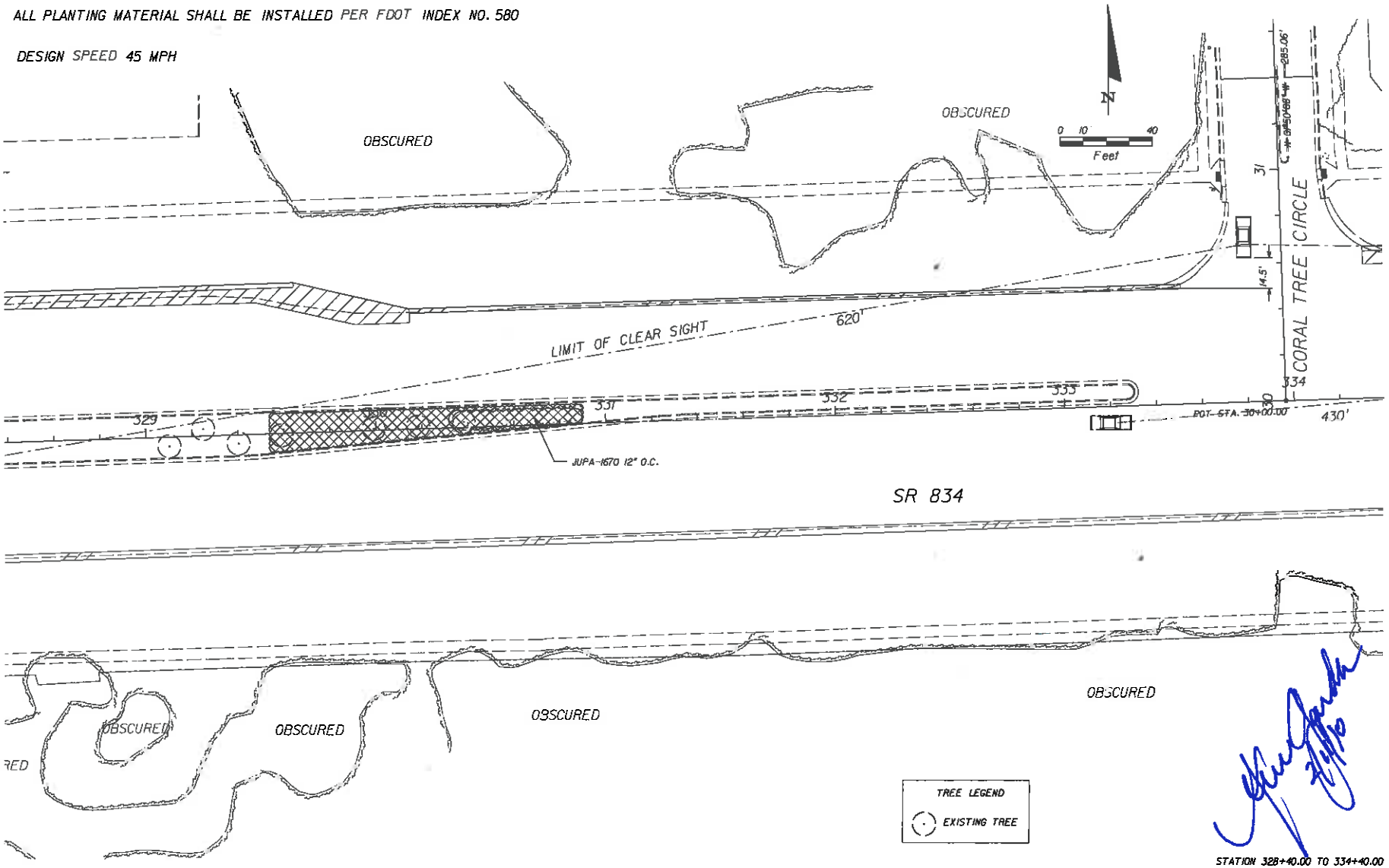
PLANTING PLAN

SHEET NO. LD-13

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G0-4.004, F.A.C.

ALL PLANTING MATERIAL SHALL BE INSTALLED PER FDOT INDEX NO. 580

DESIGN SPEED 45 MPH



TREE LEGEND

EXISTING TREE

STATION 328+40.00 TO 334+40.00

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G10-4.001, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
KEN GARDNER, FL LA #[illegible]

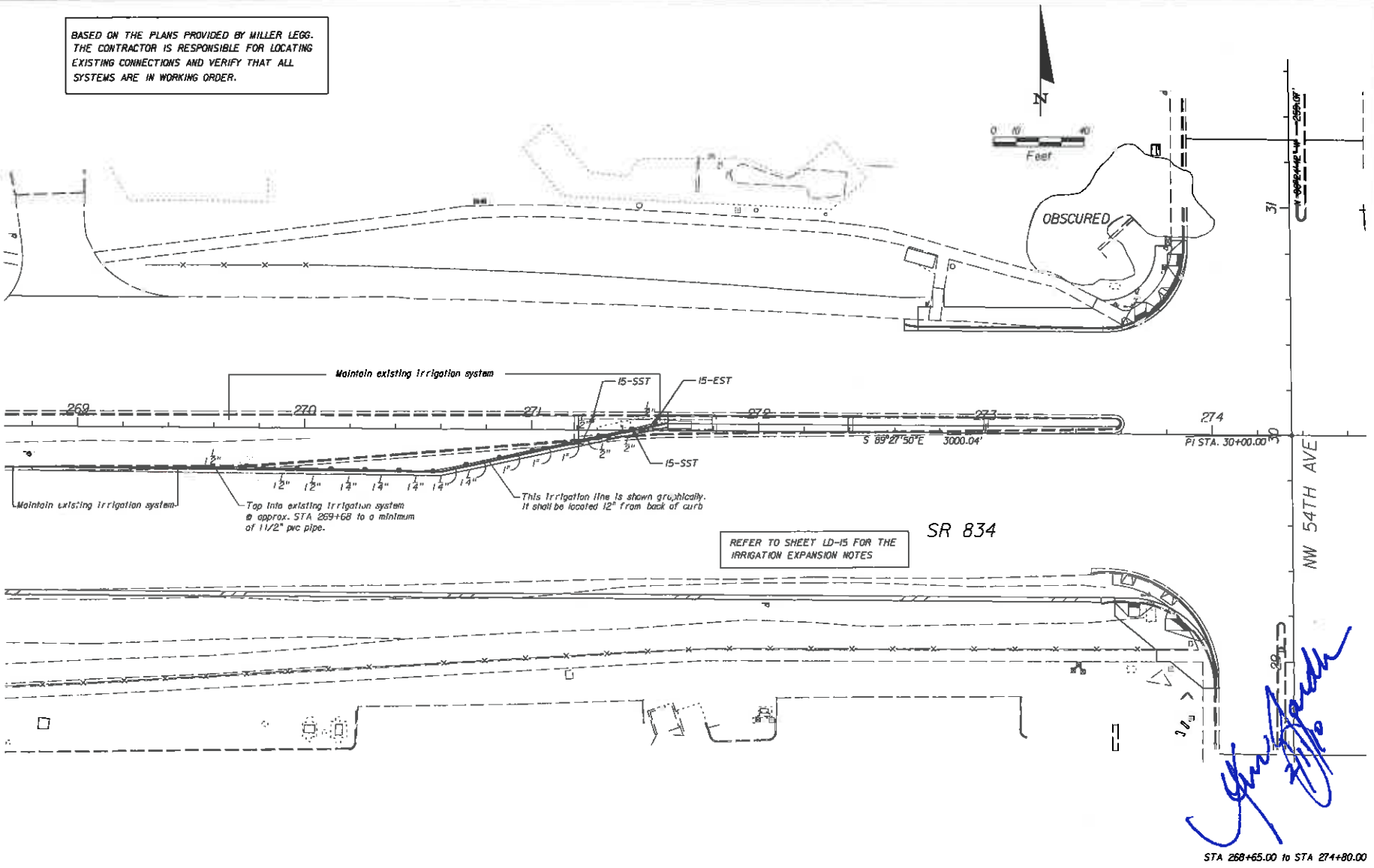
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

PLANTING PLAN

SHEET NO.
LD-14

BASED ON THE PLANS PROVIDED BY MILLER LEGG. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING CONNECTIONS AND VERIFY THAT ALL SYSTEMS ARE IN WORKING ORDER.



REFER TO SHEET LD-15 FOR THE IRRIGATION EXPANSION NOTES

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

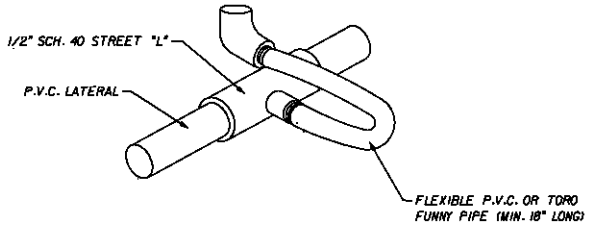
ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE LAND PLANNING
KEN GARDNER, FL LA #1888

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

IRRIGATION PLAN

SHEET NO. LD-15



FLEXIBLE SWING JOINT DETAIL

N.T.S.

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ROSENBERG GARDNER DESIGN
LANDSCAPE ARCHITECTURE
LAND PLANNING
KEN GARDNER, FL L.A. #[illegible]

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
834	BROWARD	421656-1-52-01

FLEXIBLE SWING JOINT DETAIL

SHEET NO.
LD-16

SECTION NO: 86028
S.R. NO(S): 834 (Sample Rd.)
COUNTY: Broward
FM NO.(S): 421656-1-52-01

EXHIBIT C

MAINTENANCE PLAN

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

Dated: February 11. 2010

MAINTENANCE PLAN
Landscape Improvements

Project State Road No(s):	**834**
Project Limits:	**From west of NW 54 Ave. (M.P. 3.221) to east of Tradewinds Park Road (M.P. 4.763)**
FM No(s):	**421656-1-52-01**
Maintaining Agency:	**City of Coconut Creek**
RLA of Record:	**Ken Gardner #1569**
Date:	**February 11, 2010**

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 shall be maintained in such a manner as to prevent any potential tripping hazards and protect damage to the pavers. 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 become damaged, they shall be replaced with the same type and specification as existing.

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

II.Specific Project Site Maintenance Requirements and Recommendations:
None

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.fisstate.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: 86028
S.R. NO(S): 834 (Sample Rd.)
COUNTY: Broward
FM NO.(S): 421656-1-52-01

EXHIBIT D

PROJECT COST

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

Dated: 1/7/2010

I. APPROXIMATE PROJECT COST: $ 72,283.71

SR 834 (Sample Road) Cost Estimate				
FM# 421656-1-52-01	1/7/2010			
ITEM	QTY.	UNIT	UNIT COST	TOTAL COST
Removal and disposal of Sabal Palms	13	ea.	$ 200.00	$ 2,600.00
Removal and disposal of Solitaire Palms	2	ea.	$ 150.00	$ 300.00
Removal and disposal of Medjool Palm	1	ea.	$ 450.00	$ 450.00
Clearing and Grubbing				$ 5,000.00
Medjool Date Palm	1	ea.	$ 8,000.00	$ 8,000.00
St. Augustine 'Floratam'	355	s.f.	$ 0.30	$ 106.50
Dwarf Variegated Oyster Plant	7085	ea.	$ 4.60	$ 32,591.00
Irrigation Heads (incl. laterals & fittings)	14	ea.	$ 35.00	$ 490.00
			TOTAL COST	$ 65,309.40
General Contractor Mark up (15%)				$ 6,974.31
			GRAND TOTAL	$ 72,283.71