

**DISTRICT FOUR (4) AMENDMENT NUMBER TWO (2)
TO STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
LANDSCAPE INCLUSIVE MEMORANDUM OF AGREEMENT**

1

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

Exhibits

Exhibit A - LANDSCAPE IMPROVEMENTS LIMITS & MAINTENANCE BOUNDARIES

Exhibit B - LANDSCAPE IMPROVEMENT PLANS

Exhibit C - MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

Exhibit D - APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

In Witness whereof, the parties hereto have executed with this Amendment effective the 1st day April year written and approved.

City of Hallandale Beach
a municipal corporation.

BY:



City Manager


City Attorney

3/21/14
Date

State of Florida
Department of Transportation

BY:


Transportation Development


District General Counsel

3/31/2014
Date

SECTION NO: 86200000
S.R. NO.(S): 858
COUNTY: Broward
FM NO.(S): 431960-1-58-01

EXHIBIT A

LANDSCAPE IMPROVEMENTS LIMITS AND MAINTENANCE BOUNDARIES

I. LANDSCAPE IMPROVEMENTS PROJECT LOCATION:

State Road 858 (Hallandale Beach Boulevard) from I-95 Ramp (M.P. 2.586) to East of N.W. 10th Terrace (M.P. 2.726)

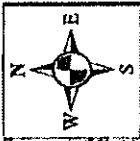
II. INCLUSIVE LIMITS OF LANDSCAPE IMPROVEMENTS MAINTENANCE FOR THIS ROADWAY STATE ROAD 858 (Hallandale Beach Boulevard):

State Road 858 (Hallandale Beach Boulevard) from (M.P. 2.586) (Median East of SR 9/I-95) to (M.P. 5.429) (SR A1A)

III. LANDSCAPE IMPROVEMENTS MAINTENANCE MAP FOR THIS ROADWAY PROJECT:

(All maintenance boundaries of original agreement apply)

Please See Attached



END MP 2.726

SW 10TH TERRACE

ANSIN BOULEVARD

HALLANDALE BEACH BOULEVARD

BEGIN MP 2.586

I-95



LANDSCAPE MAINTENANCE MAP HALLANDALE BEACH/I-95

LEGEND

- FDOT RIGHT OF WAY
(Approximate, based on property appraiser)
- Maintenance Area

SECTION NO: 86200000
S.R. NO.(S): 858
COUNTY: Broward
FM NO.(S): 431960-1-58-01

EXHIBIT B

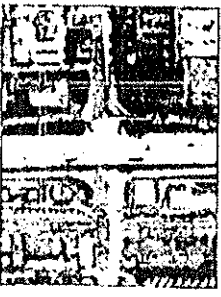
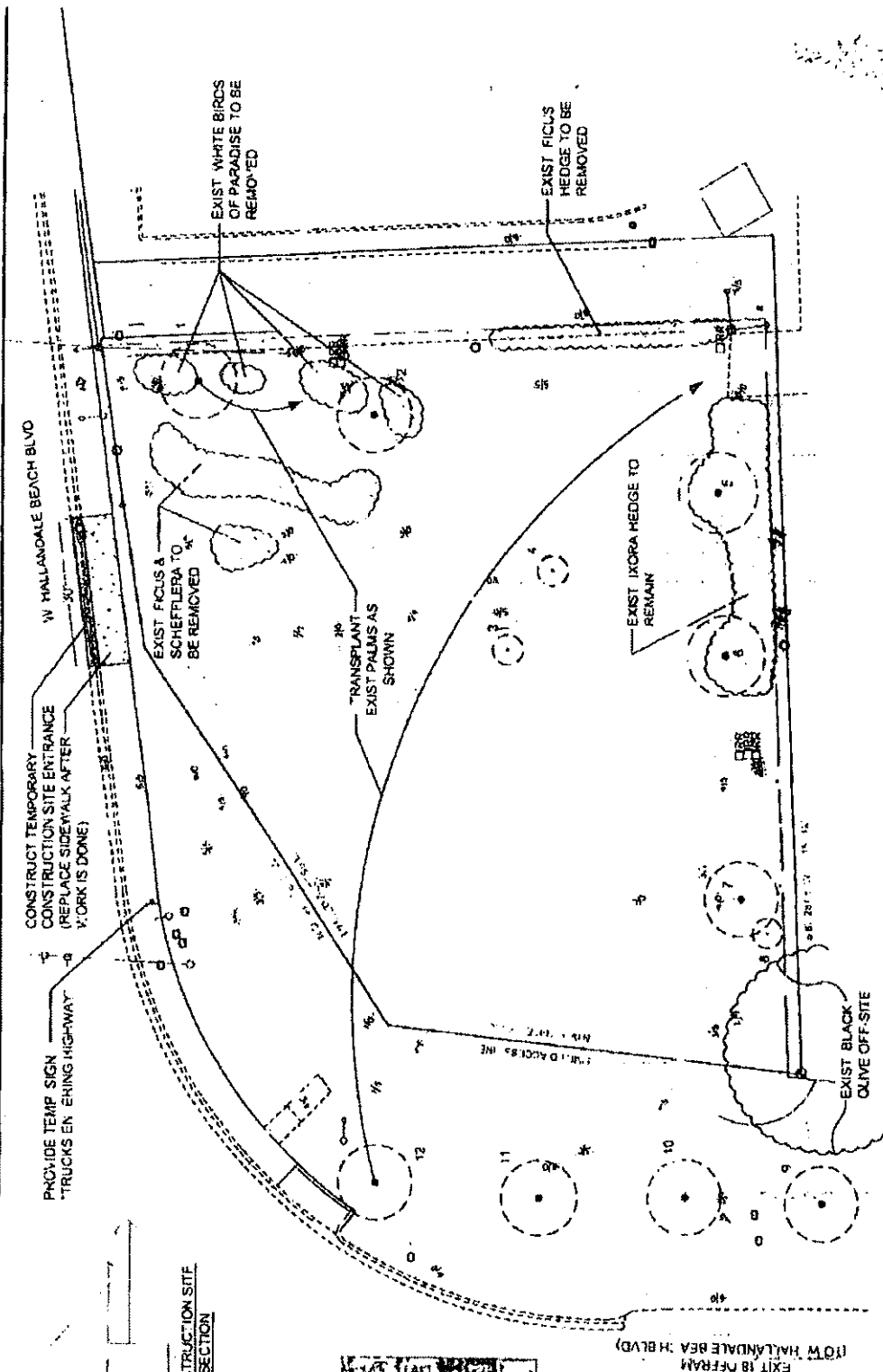
LANDSCAPE IMPROVEMENT PLANS

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

Please see attached plans prepared by: Rosenberg Gardener Design

**Dated: December 16, 2013
Sheets LA 1 - 4**

**January 14, 2014
Sheets LA 1.01, LA 1.02 & LA 1.03
LA 2.01 & 2.02
LA 3.01 - 3.04**



REFERENCE PLAN

NOTES:
Install Temporary signs as per FDOT design standards 600 & 602

TEMPORARY CONSTRUCTION SITE ENTRANCE SECTION



ROSENBERG
GARDNER
DESIGN

Existing Traffic Distribution Plan
(South Side)

HALLANDALE LRS POND RECONFIGURATION

FILE NO. 100-100-100-100

DATE	10/1/00
BY	10/1/00
CHECKED	10/1/00
APPROVED	10/1/00

KEY	BOTANICAL NAME	COMMON NAME	HT (m)	SPRFT	COL (m)	DISPOSITION	
						REMAIN	REMOVE
1	Pinus sp. 1219	N. Y.	2	2	2		
2	Pinus sp. 1219	N. Y.	2	2	2		
3	Pinus sp. 1219	N. Y.	2	2	2		
4	Pinus sp. 1219	N. Y.	2	2	2		
5	Pinus sp. 1219	N. Y.	2	2	2		
6	Pinus sp. 1219	N. Y.	2	2	2		
7	Pinus sp. 1219	N. Y.	2	2	2		
8	Pinus sp. 1219	N. Y.	2	2	2		
9	Pinus sp. 1219	N. Y.	2	2	2		
10	Pinus sp. 1219	N. Y.	2	2	2		
11	Pinus sp. 1219	N. Y.	2	2	2		
12	Pinus sp. 1219	N. Y.	2	2	2		
13	Pinus sp. 1219	N. Y.	2	2	2		
14	Pinus sp. 1219	N. Y.	2	2	2		
15	Pinus sp. 1219	N. Y.	2	2	2		
16	Pinus sp. 1219	N. Y.	2	2	2		
17	Pinus sp. 1219	N. Y.	2	2	2		
18	Pinus sp. 1219	N. Y.	2	2	2		
19	Pinus sp. 1219	N. Y.	2	2	2		
20	Pinus sp. 1219	N. Y.	2	2	2		
21	Pinus sp. 1219	N. Y.	2	2	2		
22	Pinus sp. 1219	N. Y.	2	2	2		
23	Pinus sp. 1219	N. Y.	2	2	2		
24	Pinus sp. 1219	N. Y.	2	2	2		
25	Pinus sp. 1219	N. Y.	2	2	2		
26	Pinus sp. 1219	N. Y.	2	2	2		
27	Pinus sp. 1219	N. Y.	2	2	2		
28	Pinus sp. 1219	N. Y.	2	2	2		
29	Pinus sp. 1219	N. Y.	2	2	2		
30	Pinus sp. 1219	N. Y.	2	2	2		
31	Pinus sp. 1219	N. Y.	2	2	2		
32	Pinus sp. 1219	N. Y.	2	2	2		
33	Pinus sp. 1219	N. Y.	2	2	2		
34	Pinus sp. 1219	N. Y.	2	2	2		
35	Pinus sp. 1219	N. Y.	2	2	2		
36	Pinus sp. 1219	N. Y.	2	2	2		
37	Pinus sp. 1219	N. Y.	2	2	2		
38	Pinus sp. 1219	N. Y.	2	2	2		
39	Pinus sp. 1219	N. Y.	2	2	2		
40	Pinus sp. 1219	N. Y.	2	2	2		
41	Pinus sp. 1219	N. Y.	2	2	2		
42	Pinus sp. 1219	N. Y.	2	2	2		
43	Pinus sp. 1219	N. Y.	2	2	2		
44	Pinus sp. 1219	N. Y.	2	2	2		
45	Pinus sp. 1219	N. Y.	2	2	2		
46	Pinus sp. 1219	N. Y.	2	2	2		
47	Pinus sp. 1219	N. Y.	2	2	2		
48	Pinus sp. 1219	N. Y.	2	2	2		
49	Pinus sp. 1219	N. Y.	2	2	2		
50	Pinus sp. 1219	N. Y.	2	2	2		

NOTE:

THE UNIVERSITY OF CHICAGO

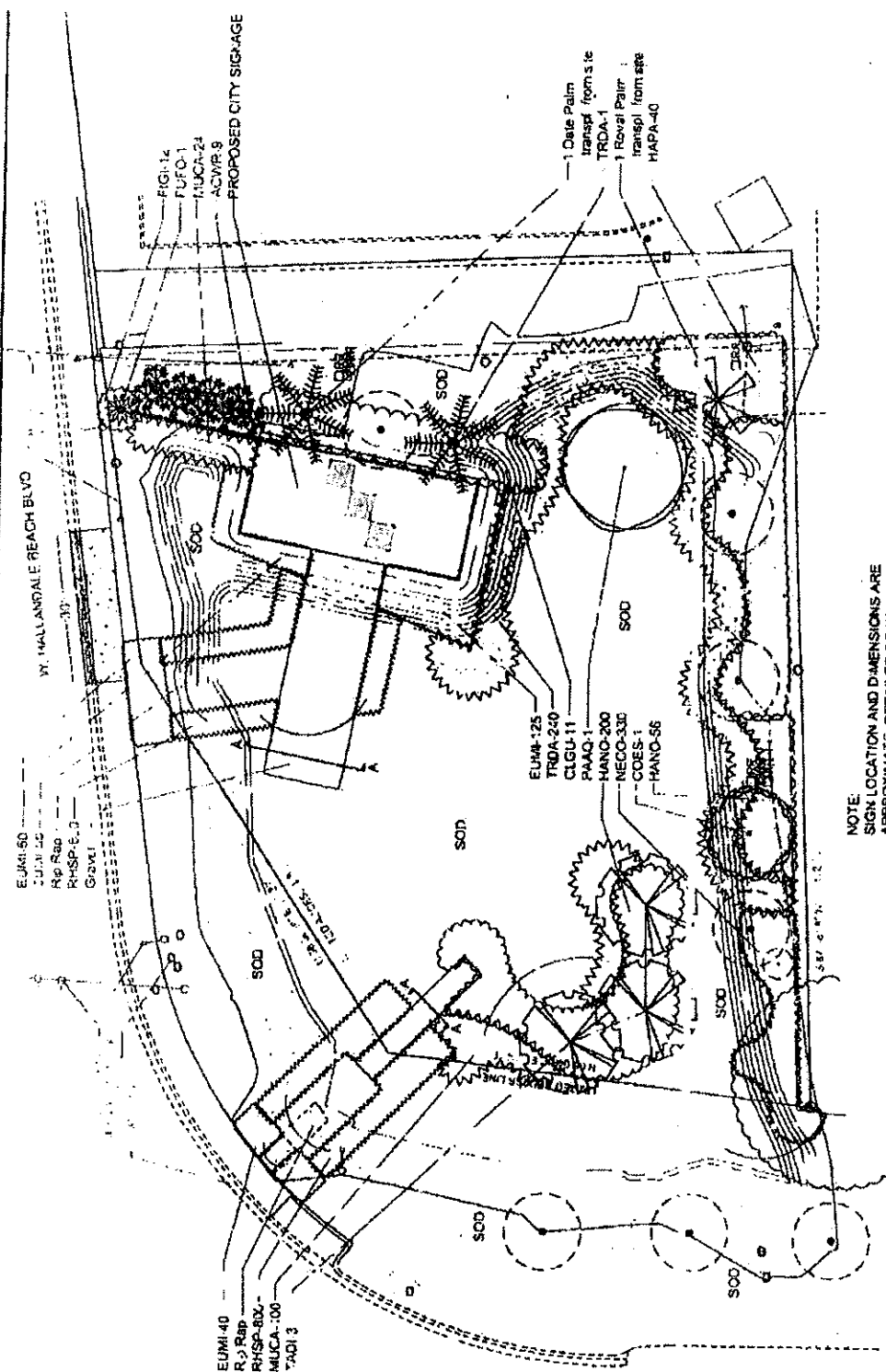


ROSENBERG
GARDNER
DESIGN

Erklärung; Treue Divulgeon L'uy

HALLANDALE 1-95 POND RECONFIGURATION

المجلس الأعلى للدراسات الإسلامية - القاهرة



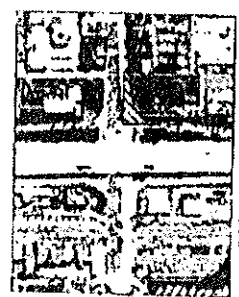
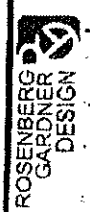
NOTE:
SIGN LOCATION AND DIMENSIONS ARE
APPROXIMATE. DETAILED DRAWINGS
HAVE NOT YET BEEN DEVELOPED.



1	FIG-12	1	FIG-12
2	PUFO-1	2	PUFO-1
3	MUCA-24	3	MUCA-24
4	AZVR-8	4	AZVR-8
5	PROPOSED CITY SIGNAGE	5	PROPOSED CITY SIGNAGE

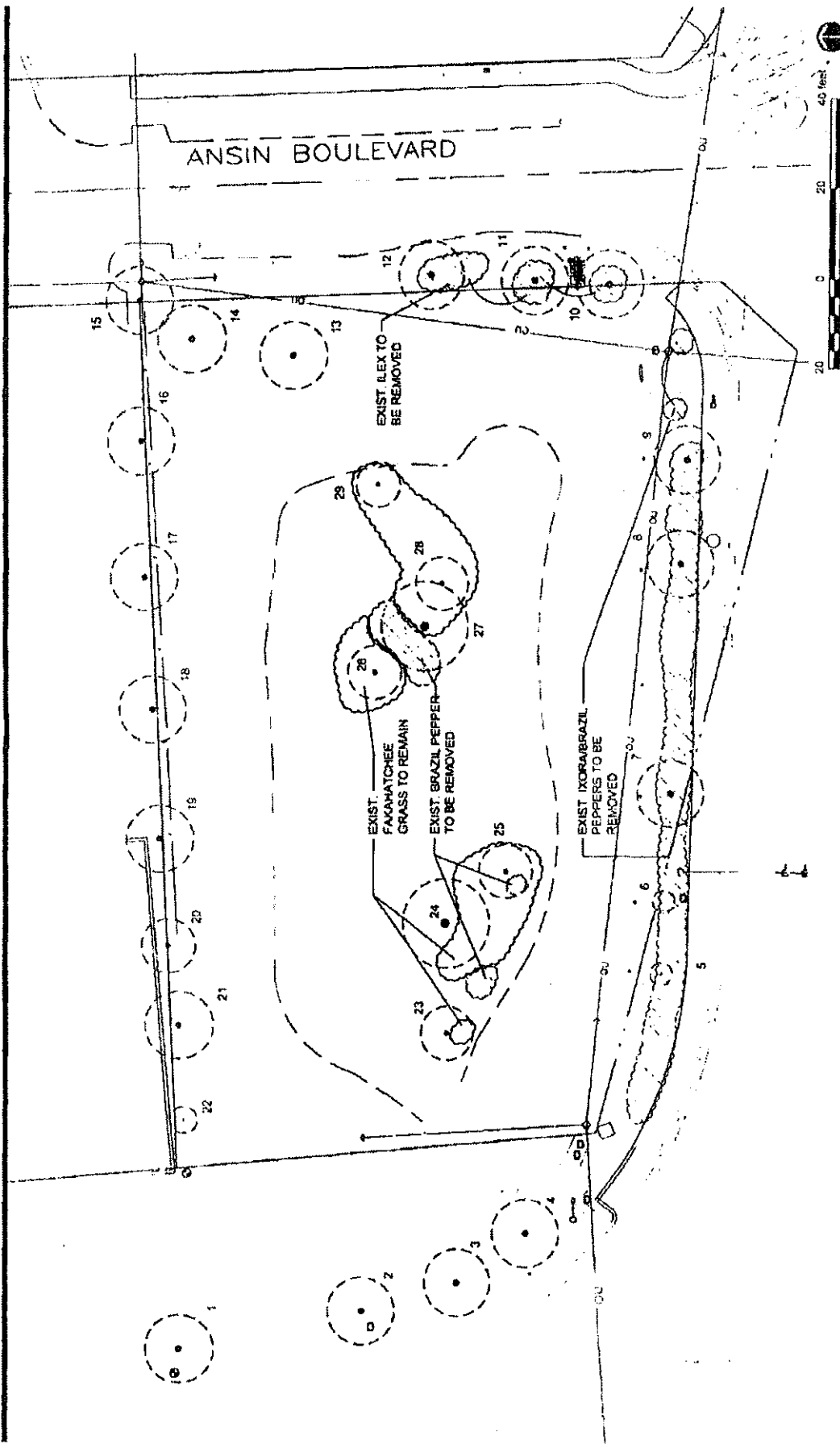
HALLANDALE 195 POND RECONFIGURATION

Planting Plan
(South Side)



REFERENCE PLAN

EXIT 18 OFFRAMP
(TO W. HALLANDALE BEACH BLVD)



ROSENBERG
GARDNER
DESIGN

Existing Tree Disposal on Plan
(North Side)

HALLANDALE BEACH BOULEVARD SWALES

DATE: 08/20/18

BY: J. B. 10/18/18

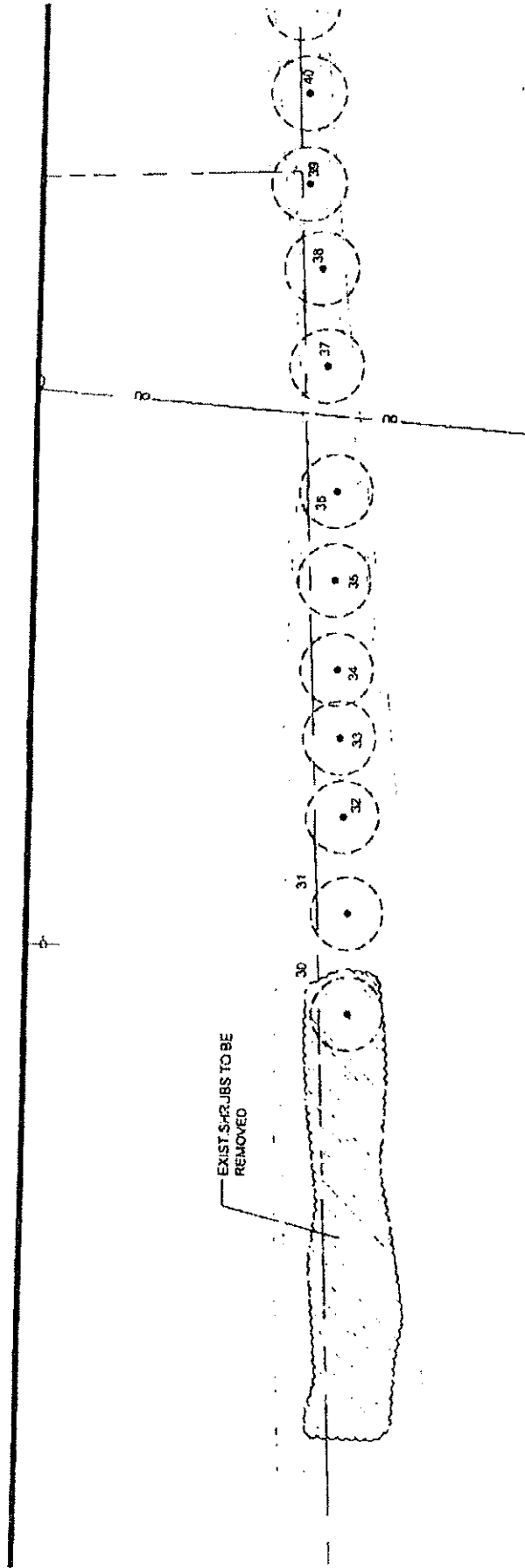
PROJECT: 18-001

CLIENT: HALLANDALE BEACH

LOCATION: 18-001

DATE: 08/20/18

BY: J. B. 10/18/18



20 0 20 40 feet

HALLANDALE BEACH BOULEVARD SWALES

Map Date: 7/26/2018

Existing Tree Disposition (Jordan)

**ROSENBERG
GARDNER
DESIGN**

DATE: 7/26/2018

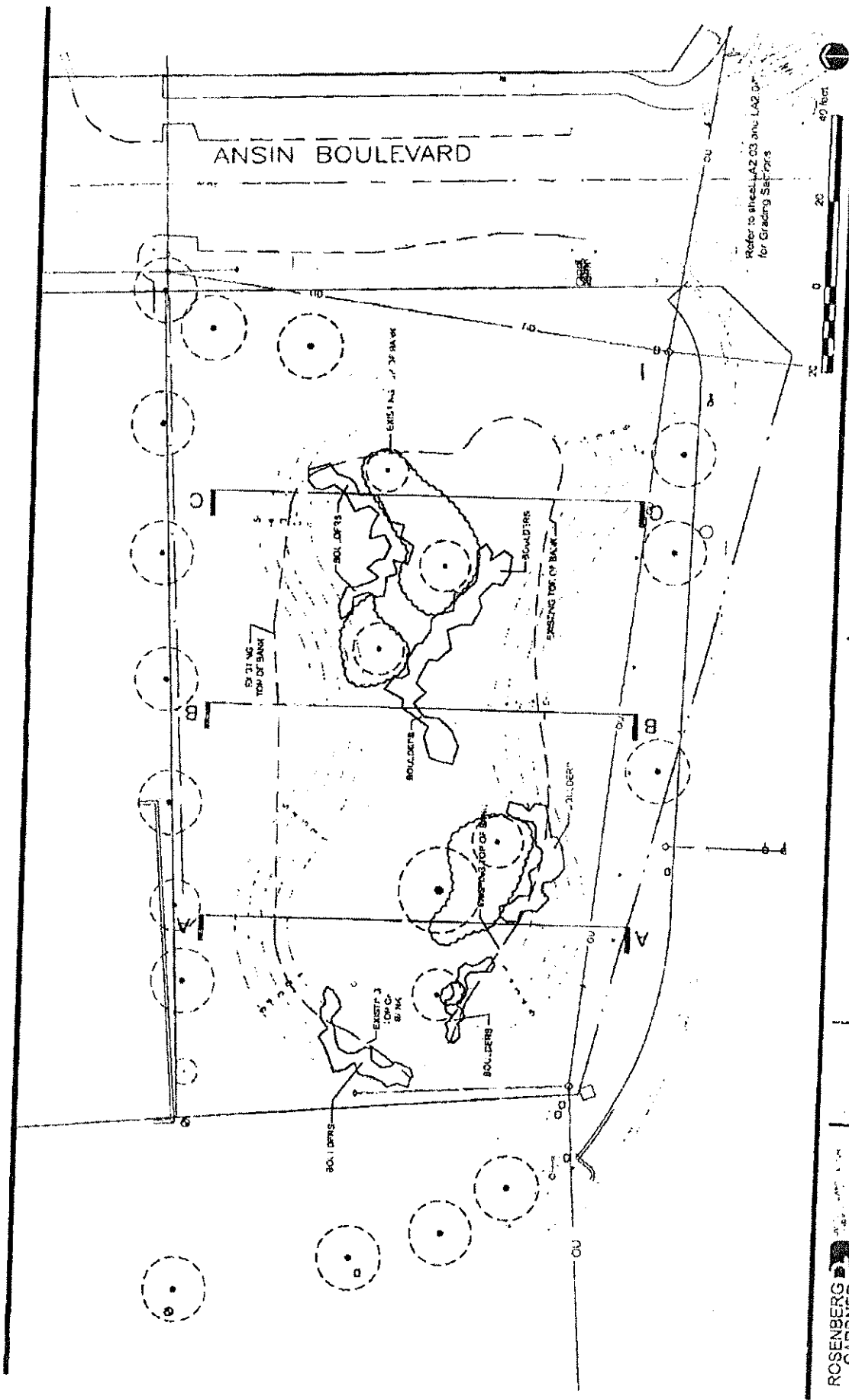
BY: J. JORDAN

PROJECT: HALLANDALE BEACH BOULEVARD SWALES

SCALE: 1" = 40'

11.14

LAT 22

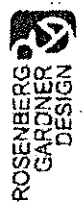


LAZ 01	1.10
LAZ 02	1.10
LAZ 03	1.10
LAZ 04	1.10
LAZ 05	1.10
LAZ 06	1.10
LAZ 07	1.10
LAZ 08	1.10
LAZ 09	1.10
LAZ 10	1.10

HALLENDALE BEACH BOULEVARD SVALES

Grading Plan
(North Side)

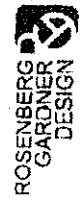
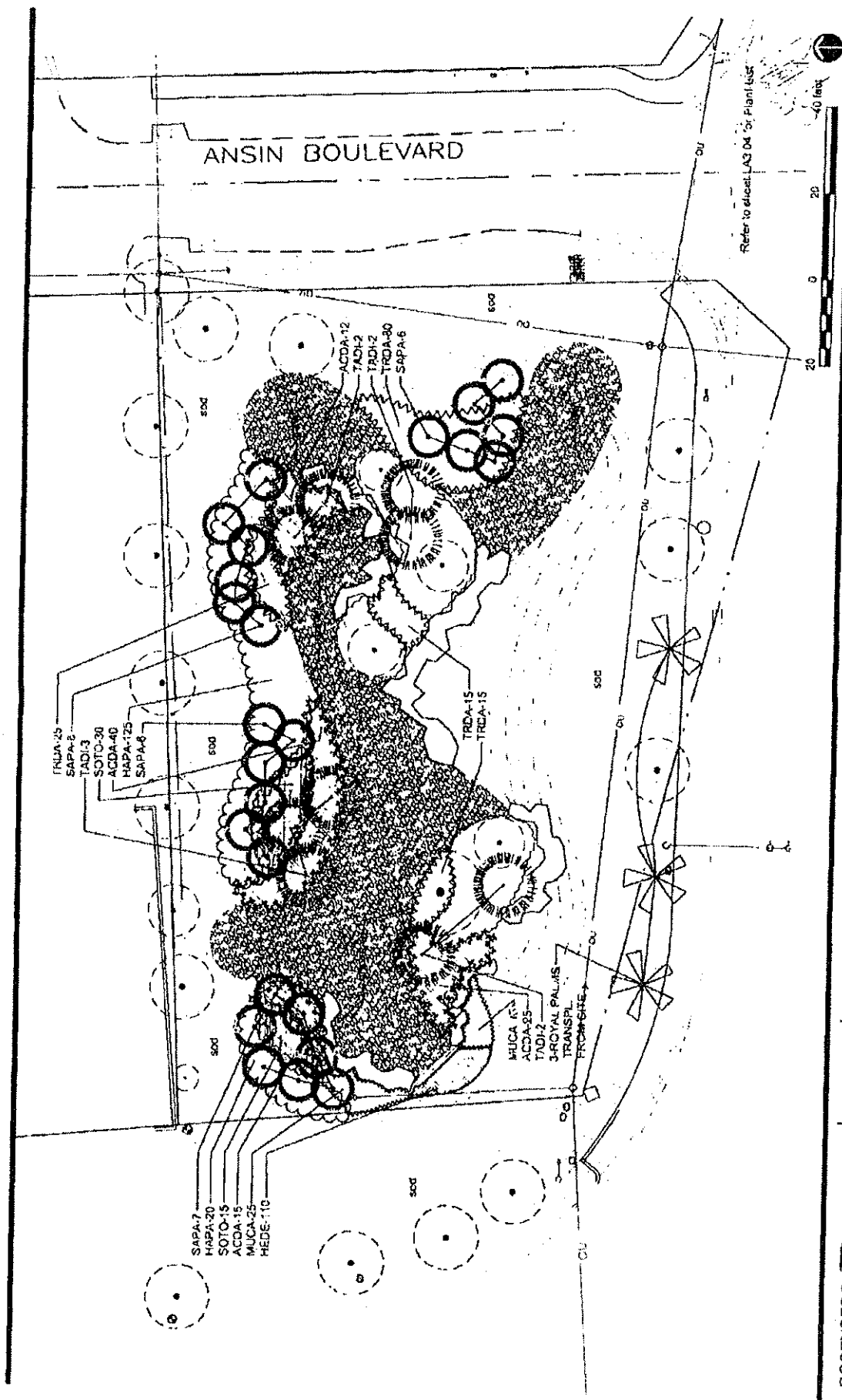




Grading Sections

HALLANDALE BEACH BOULEVARD SWALES

DATE	11/11/10
BY	LAZ.02
CHECKED	
APPROVED	

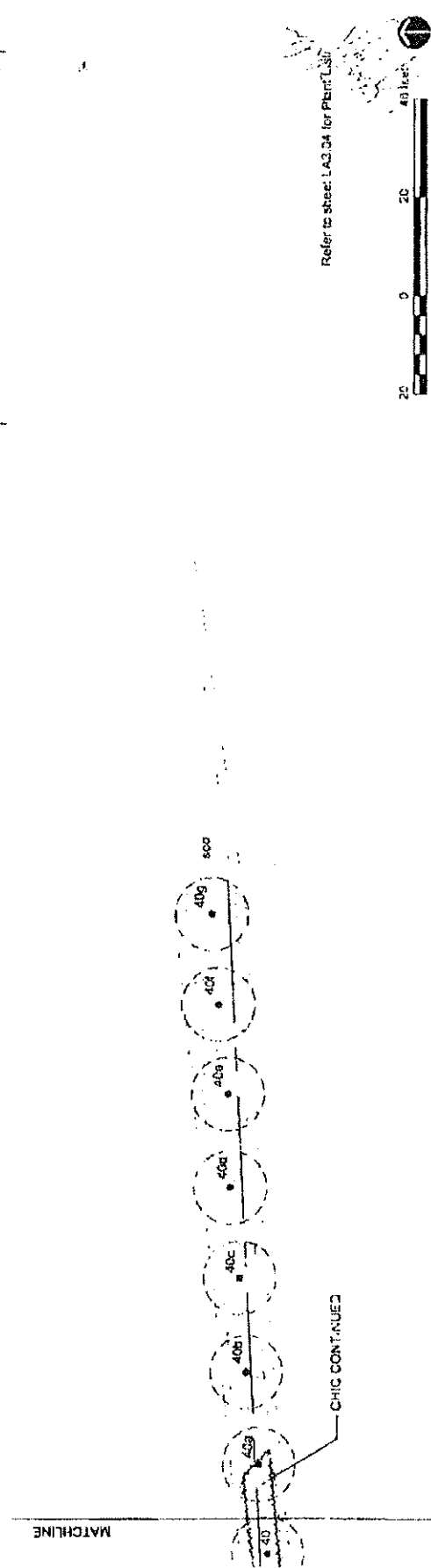
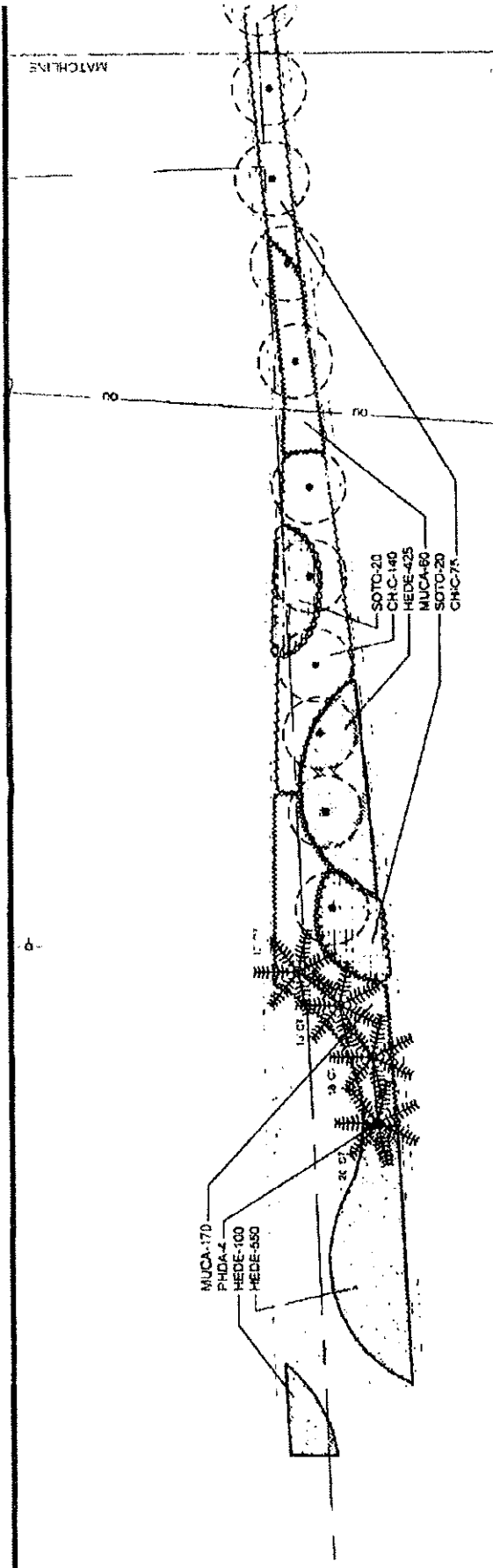


Existing Plan
(North Side)

HALLANDALE BEACH BOULEVARD SWALES

12. 11.12.2017

LA3 D4	LA3 D5	LA3 D6	LA3 D7	LA3 D8
LA3 D9	LA3 D10	LA3 D11	LA3 D12	LA3 D13
LA3 D14	LA3 D15	LA3 D16	LA3 D17	LA3 D18
LA3 D19	LA3 D20	LA3 D21	LA3 D22	LA3 D23
LA3 D24	LA3 D25	LA3 D26	LA3 D27	LA3 D28
LA3 D29	LA3 D30	LA3 D31	LA3 D32	LA3 D33
LA3 D34	LA3 D35	LA3 D36	LA3 D37	LA3 D38
LA3 D39	LA3 D40	LA3 D41	LA3 D42	LA3 D43
LA3 D44	LA3 D45	LA3 D46	LA3 D47	LA3 D48
LA3 D49	LA3 D50	LA3 D51	LA3 D52	LA3 D53
LA3 D54	LA3 D55	LA3 D56	LA3 D57	LA3 D58
LA3 D59	LA3 D60	LA3 D61	LA3 D62	LA3 D63
LA3 D64	LA3 D65	LA3 D66	LA3 D67	LA3 D68
LA3 D69	LA3 D70	LA3 D71	LA3 D72	LA3 D73
LA3 D74	LA3 D75	LA3 D76	LA3 D77	LA3 D78
LA3 D79	LA3 D80	LA3 D81	LA3 D82	LA3 D83
LA3 D84	LA3 D85	LA3 D86	LA3 D87	LA3 D88
LA3 D89	LA3 D90	LA3 D91	LA3 D92	LA3 D93
LA3 D94	LA3 D95	LA3 D96	LA3 D97	LA3 D98
LA3 D99	LA3 D100	LA3 D101	LA3 D102	LA3 D103



Refer to sheet LA3.04 for Plant List



DATE	11/12/11
BY	LA3.02
CHECKED	
APPROVED	

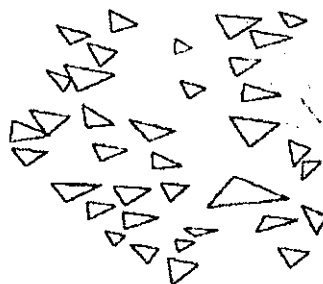
HALLANDALE BEACH BOULEVARD SWALES

11/12/11

Final Plan
(Masthead)

DATE	11/12/11
BY	LA3.02
CHECKED	
APPROVED	

**ROSENBERG
GARDNER
DESIGN**



UN
T
X

NOTE - PER COLLAR OR MOUNTED STICKS
SHALL HAVE A SHARPER STAMPING PATTERN AS
A WILE TRUNKED BELLS STAKES NEED NOT
BE ATTACHED TO EVERY STAKE

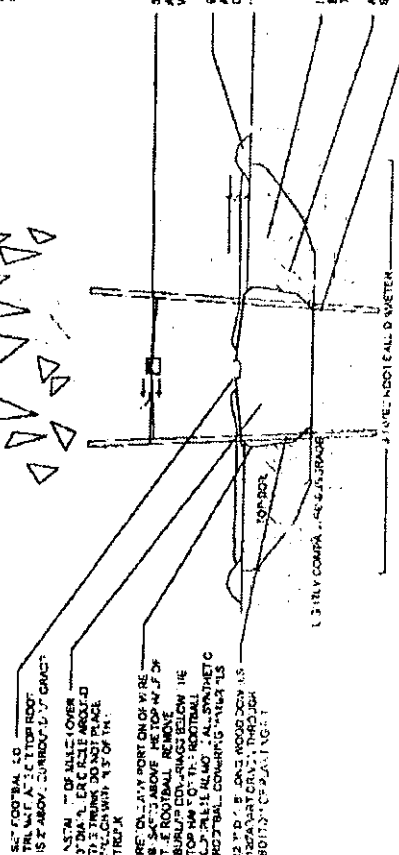
ALL SUPPORT VEHICLES ARE TO BE REMOVED
FROM THE TRUCKS ONCE THE TRUCKS HAVE
BEEN ESTABLISHED AND TO BE REMOVED
WITHIN 20 MINUTES OF THE
CLOSURE

AT CLEVELAND, OHIO, 1963.

... HIGH TEN HOURS DXT OF VILCH TO
LAST ST WAK CATLON ON THE TREE RECEIVE
ON 23 WDAI 3 AFTER 45 STATION
... ISSUED CR 100

2-LES O ACCOMMODATE PLAIN'S FIVE
THE ANIMALS
THEY'RE FOR THREE
THEY'RE FOR THREE
THEY'RE FOR THREE

ALL BACKFILL FOR TREES SHALL BE AS FOLLOWS:
FILL WITH ALL ROCKS 2" OR LARGER REJECTED
EXCEPT SHALL BE INSTALLED AS PER THE
SPECIFICATIONS.



ts

PLANT LIST			
REV	PLANT NAME	QTY.	UT. SIZE
ACCA	Acrostichum denigratum	92	3 gallon cans, 38" o.c.
CHC	Chrysanthemum	215	3 gallon cans, 24" o.c.
MAFA	Mammelia latifolia	145	3 gallon cans, 30" o.c.
HEBE	Hebe	1185	1 gallon cans, 12" o.c.
NUCA	Nyctaginia	1270	3 gallon cans, 24" o.c.
PHDA	Phoenix	4	1312 CT. 1018 CT. 1218 CT. 1920 CT. classic o.c.
SAPA	Sabal	25	1518 1618 1818 2018 2218 2418 2618 2818 3018 3218 3418 3618 3818 4018 4218 4418 4618 4818 5018 5218 5418 5618 5818 6018 6218 6418 6618 6818 7018 7218 7418 7618 7818 8018 8218 8418 8618 8818 9018 9218 9418 9618 9818 10018 10218 10418 10618 10818 11018 11218 11418 11618 11818 12018 12218 12418 12618 12818 13018 13218 13418 13618 13818 14018 14218 14418 14618 14818 15018 15218 15418 15618 15818 16018 16218 16418 16618 16818 17018 17218 17418 17618 17818 18018 18218 18418 18618 18818 19018 19218 19418 19618 19818 20018 20218 20418 20618 20818 21018 21218 21418 21618 21818 22018 22218 22418 22618 22818 23018 23218 23418 23618 23818 24018 24218 24418 24618 24818 25018 25218 25418 25618 25818 26018 26218 26418 26618 26818 27018 27218 27418 27618 27818 28018 28218 28418 28618 28818 29018 29218 29418 29618 29818 30018 30218 30418 30618 30818 31018 31218 31418 31618 31818 32018 32218 32418 32618 32818 33018 33218 33418 33618 33818 34018 34218 34418 34618 34818 35018 35218 35418 35618 35818 36018 36218 36418 36618 36818 37018 37218 37418 37618 37818 38018 38218 38418 38618 38818 39018 39218 39418 39618 39818 40018 40218 40418 40618 40818 41018 41218 41418 41618 41818 42018 42218 42418 42618 42818 43018 43218 43418 43618 43818 44018 44218 44418 44618 44818 45018 45218 45418 45618 45818 46018 46218 46418 46618 46818 47018 47218 47418 47618 47818 48018 48218 48418 48618 48818 49018 49218 49418 49618 49818 50018 50218 50418 50618 50818 51018 51218 51418 51618 51818 52018 52218 52418 52618 52818 53018 53218 53418 53618 53818 54018 54218 54418 54618 54818 55018 55218 55418 55618 55818 56018 56218 56418 56618 56818 57018 57218 57418 57618 57818 58018 58218 58418 58618 58818 59018 59218 59418 59618 59818 60018 60218 60418 60618 60818 61018 61218 61418 61618 61818 62018 62218 62418 62618 62818 63018 63218 63418 63618 63818 64018 64218 64418 64618 64818 65018 65218 65418 65618 65818 66018 66218 66418 66618 66818 67018 67218 67418 67618 67818 68018 68218 68418 68618 68818 69018 69218 69418 69618 69818 70018 70218 70418 70618 70818 71018 71218 71418 71618 71818 72018 72218 72418 72618 72818 73018 73218 73418 73618 73818 74018 74218 74418 74618 74818 75018 75218 75418 75618 75818 76018 76218 76418 76618 76818 77018 77218 77418 77618 77818 78018 78218 78418 78618 78818 79018 79218 79418 79618 79818 80018 80218 80418 80618 80818 81018 81218 81418 81618 81818 82018 82218 82418 82618 82818 83018 83218 83418 83618 83818 84018 84218 84418 84618 84818 85018 85218 85418 85618 85818 86018 86218 86418 86618 86818 87018 87218 87418 87618 87818 88018 88218 88418 88618 88818 89018 89218 89418 89618 89818 90018 90218 90418 90618 90818 91018 91218 91418 91618 91818 92018 92218 92418 92618 92818 93018 93218 93418 93618 93818 94018 94218 94418 94618 94818 95018 95218 95418 95618 95818 96018 96218 96418 96618 96818 97018 97218 97418 97618 97818 98018 98218 98418 98618 98818 99018 99218 99418 99618 99818 100018 100218 100418 100618 100818 101018 101218 101418 101618 101818 102018 102218 102418 102618 102818 103018 103218 103418 103618 103818 104018 104218 104418 104618 104818 105018 105218 105418 105618 105818 106018 106218 106418 106618 106818 107018 107218 107418 107618 107818 108018 108218 108418 108618 108818 109018 109218 109418 109618 109818 110018 110218 110418 110618 110818 111018 111218 111418 111618 111818 112018 112218 112418 112618 112818 113018 113218 113418 113618 113818 114018 114218 114418 114618 114818 115018 115218 115418 115618 115818 116018 116218 116418 116618 116818 117018 117218 117418 117618 117818 118018 118218 118418 118618 118818 119018 119218 119418 119618 119818 120018 120218 120418 120618 120818 121018 121218 121418 1216

SECTION NO: 86200000
S.R. NO.(S): 858
COUNTY: Broward
FM NO.(S): 431960-1-58-01

EXHIBIT C

MAINTENANCE PLAN FOR LANDSCAPE IMPROVEMENTS

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 18, 2014

MAINTENANCE PLAN

Landscape Improvements

Project State Road No(s): State Road 858 (Hallandale Beach Boulevard) from I-95
Ramp (M.P. 2.586) to East of N.W. 10th Terrace (M.P. 2.726)
FM No(s): 431960-1-58-01
Maintaining Agency: City of Hallandale Beach
RLA of Record: Rosenberg Gardner Design
Date: February 18, 2014

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

*This information is for informational purposes only and is not intended to be used as a contract document. The information is subject to change without notice. The information is provided for informational purposes only and is not intended to be used as a contract document.

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, vegetation management activities shall be coordinated with the ODA permit holder. The permit holder shall be notified of any proposed vegetation management activities that may affect the ODA. The permit holder shall be consulted on the timing and location of any proposed vegetation management activities. The permit holder shall be consulted on the timing and location of any proposed vegetation management activities.

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 Videos (ADA)

<http://www.access-board.gov/news/sidewalk-videos.htm>

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

www.isa-arbor.com

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

<http://www.doacs.state.fl.us/pi/pubs.html>

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/14/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/14/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/14/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/14/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/2013RPPM.shtm>

Source: 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, 2013 RPPM, 2013.

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

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/MRPHandbook2012Draftweditfinal.pdf>

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

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

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/pdffiles/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:	86200000
S.R. NO.(S):	858
COUNTY:	Broward
FM NO.(S):	431960-1-58-01

EXHIBIT D

APPROXIMATE COST FOR LANDSCAPE IMPROVEMENTS

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.

Anticipated Terms of a Separate Agreement

I.	FDOT PARTICIPATION: Via Separate Agreement	\$ 48,000.00
	AGENCY PARTICIPATION:	\$112,216.40
II.	APPROXIMATE LANDSCAPE IMPROVEMENT COST: Amounts are approximate	<u>\$160,216.40</u>

Please see attached

OPINION OF CONSTRUCTION COST

S.R. 858/Hallandale Beach Blvd. from I-95' to east of NW 10th Terrace

FM# 431960-1-58-01

Date: 02/18/14

ITEM DESCRIPTION	QTY	UNIT	TOTAL COST
Mobilization	1	LS	\$ 1,000.00
Regular Excavation	666	CY	\$ 10,256.40
Concrete Sidewalk and Driveway	20	SY	\$ 862.00
Clearing and Grubbing	1	LS	\$ 3,500.00
Landscape Plants	1	LS	\$ 143,918.00
Utility Pipe, F&I, PE, Water/Sewer 2"-4.9"	34	LF	\$ 680.00
TOTAL			\$ 160,216.40