SECTION No.(s): 86120
S.R. No.(s): 810
FM No: 437221-1-74-01
COUNTY: BROWARD

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

THIS AMENDMENT Number Five (5) to the Agreement dated May 27, 2009, made and entered into this 10th day of June 2015 by and between the State of Florida Department of Transportation hereinafter called the DEPARTMENT and the CITY OF COCONUT CREEK, a municipal subdivision of the State of Florida, hereinafter called the AGENCY.

WITNESSETH

WHEREAS, the parties entered into the Landscape Inclusive Maintenance of Agreement dated, May 27, 2009 for the purpose of maintaining the landscape improvements by the AGENCY on various roads including State Road 810 (Hillsboro Boulevard); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road 810 (Hillsboro Boulevard) in accordance with the above referenced Agreement; and,

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

1. Pursuant to paragraph 7 of the Landscape Inclusive Maintenance Memorandum of Agreement for State Road 810 (Hillsboro Boulevard) dated May 27, 2009, the DEPARTMENT will allow the AGENCY to construct additional landscape improvements or to modify an improvement located as indicated in **Exhibit "A"**, State Road 810 (Hillsboro Boulevard) From State Road 7 (US 441) (M.P.0.00) to State Road 91 (Florida Turnpike) (M.P. 2.00). 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 $313,977.00.

4. Pursuant to Exhibit "A" of the Landscape Inclusive maintenance Memorandum of Agreement for State Road 810 (Hillsboro Boulevard) dated May 27, 2009, the DEPARTMENT and the AGENCY agree to modify the limits of maintenance listed in the on State Road 810 (Hillsboro Boulevard) to State Road 810 (Hillsboro Boulevard) from State Road 7 (US 441) (M.P.0.00) to State Road 91 (Florida Turnpike) (M.P. 2.00).

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 - Landscape Improvements Maintenance Plan
Exhibit D - Approximate Cost For Landscape Improvements

In Witness whereof, the parties hereto have executed with this Amendment effective the 26th day May, 2015 year written and approved.
10th June 2015

CITY OF COCONUT CREEK

By: _____
Mary C. Blasi, City Manager

Attest: _____ (SEAL)
Leslie May, City Clerk

on behalf of

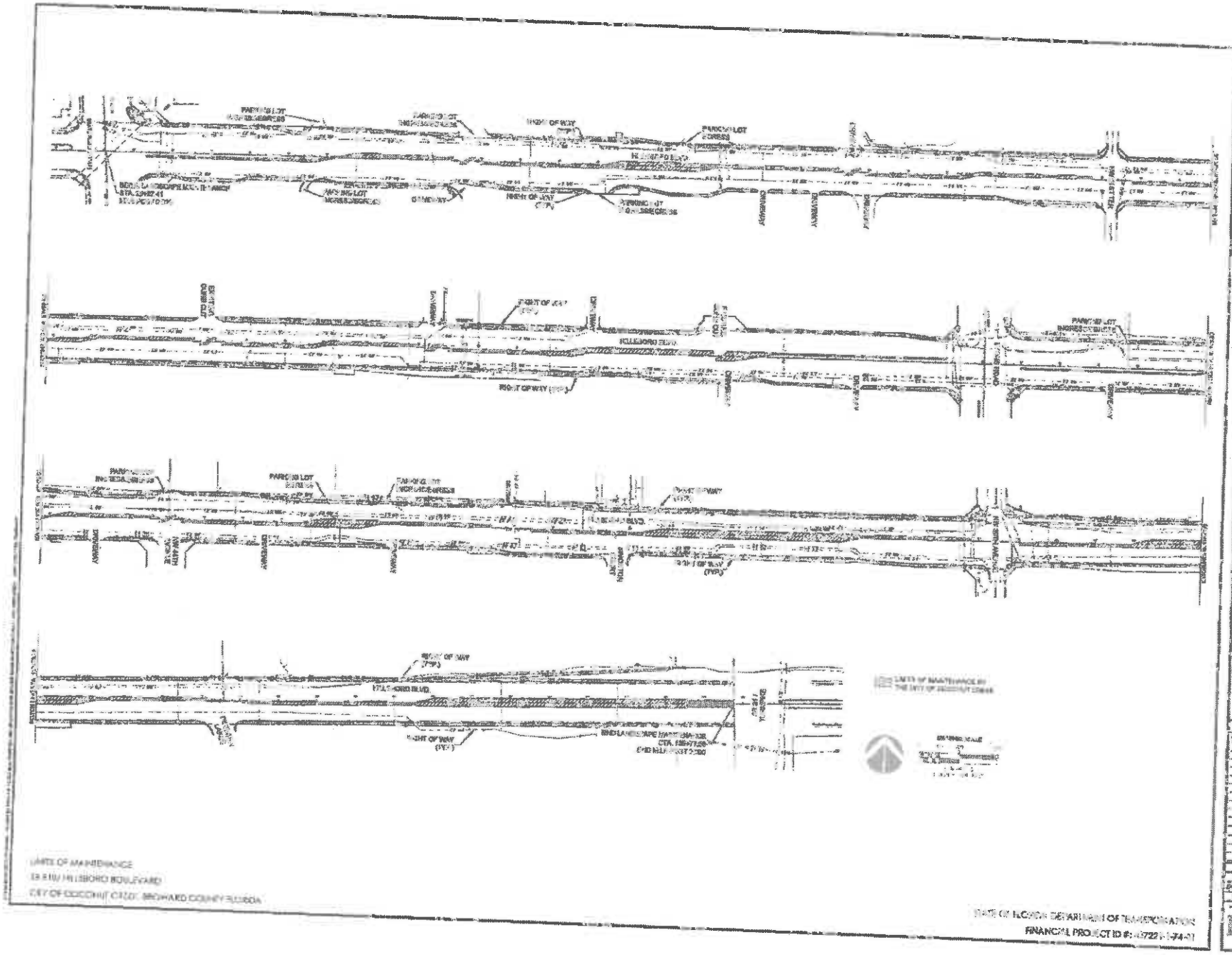
Legal Review _____ Date 05/21/15
Terrill Pyburn, City Attorney

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

By: _____
Transportation Development Director

Attest: _____ (SEAL)
Executive Secretary

Legal Review _____ Date 6/10/2015
Office of the General Counsel



HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

L5.00

SECTION No.(s): 86120
S.R. No.(s): 810
FM No: 437221-1-74-01
COUNTY: BROWARD

EXHIBIT A

LANDSCAPE IMPROVEMENTS PROJECT LIMITS

MAINTENANCE BOUNDARIES LIMITS AND LOCATION MAP

I. LANDSCAPE PROJECT LIMITS:
State Road 810 (Hillsboro Boulevard) from State Road 7 (US 441) (M.P.0.00) to State Road 91 (Florida Turnpike) (M.P. 2.00)

II. ORIGINAL INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS FOR State Road 810:

State Road 810 (Hillsboro Boulevard) from (M.P. 0.000) east of State Road 7 (US 441) to (M.P. 1.997) East of SR 91

III. MODIFIED INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS:
State Road 810 (Hillsboro Boulevard) from (M.P. 0.000) east of State Road 7 (US 441) to (M.P. 2.000)

IV. PROJECT BOUNDARY LIMITS MAP:

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

Please See Attached

SECTION No.(s): 86120
S.R. No.(s): 810
FM No: 437221-1-74-01
COUNTY: BROWARD

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:

Cristobal Alex Betancourt, RLA
Chen-Moore & Associates
Sheets L2.00
Sheets L2.01 - L2.26
Sheet L3.00
Sheets L3.01 - 3.26
Sheets L3.28 – L3.29
Dated: April 27, 2015

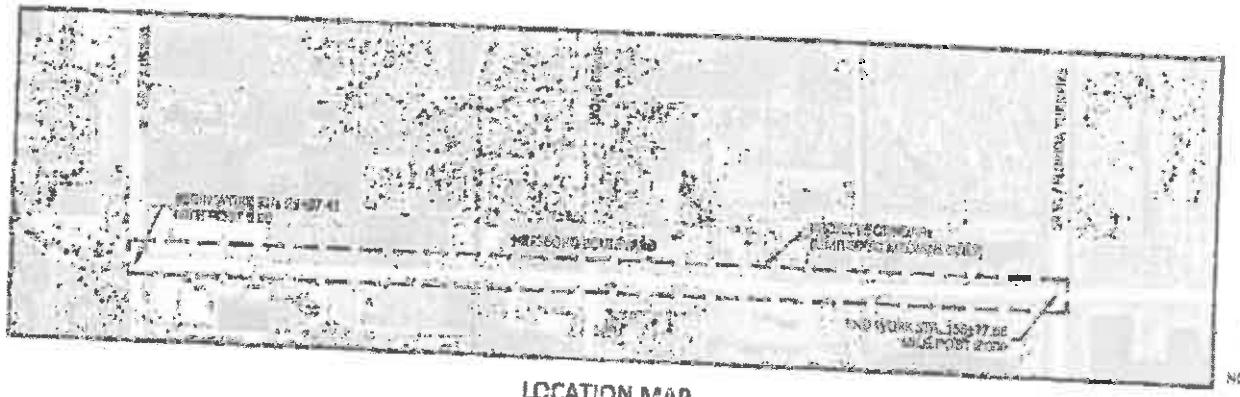
And

Sara Lorraine Matin, P.E.
Chen-Moore & Associates
Sheets L4.00 – 4.03
April 27, 2015

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS

CONSTRUCTION DRAWINGS

FOR: CITY OF COCONUT CREEK



LOCATION MAP

NOT TO SCALE

Coconut Creek Florida

CITY OF COCONUT CREEK
4800 W. Copans Road, Coconut Creek, FL • 33063
954.973.6760

CHEN·MOORE & ASSOCIATES

DRAWING INDEX

DRAWING NAME	SHEET NUMBER
COVER	
LANDSCAPE TABULATION OF QUANTITIES	L2.00
LANDSCAPE PLANS	L2.01 thru L2.26
IRRIGATION LANDSCAPE TABULATION OF QUANTITIES	L3.00
IRRIGATION PLANS	L3.01 thru L3.26
IRRIGATION SPECIFICATIONS	L3.27
IRRIGATION DETAILS	L3.28 thru L3.29
MOT PLANS	L4.00 thru L4.03

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, 2015 DESIGN STANDARDS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND 2015 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED BY CONTRACT DOCUMENTS

FOR DESIGN STANDARDS CLICK ON THE "DESIGN STANDARDS" LINK AT THE FOLLOWING WEB SITE: HTTP://WWW.DOT.STATE.FL.US/ROADDESIGN/

FOR THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION CLICK ON THE "SPECIFICATIONS" LINK AT THE FOLLOWING WEB SITE: HTTP://WWW.DOT.STATE.FL.US/SPECIFICATIONSOFFICE/

REGISTERED LANDSCAPE ARCHITECT
CRISTOBAL ALEX RETANCOURT
LA 6666041
STATE OF FLORIDA

SHEET 1 OF 82

FINANCIAL PROJECT ID #: 437221-1-74-01

P:\1 PROJECTS\2015\15-046.005 - HILLSBORO BLVD-SR7 TO FLORIDA TURNPIKE\DESIGN\CAD\PLANS\046.005 COV.DWG 4/29/15 by EHARRISON

GENERAL NOTES

1. BASE INFORMATION WAS DERIVED FROM AUTOCAD FILES (1968) PROVIDED BY THE CITY OF COCONUT CREEK, AS WELL AS USING AERIAL PHOTOGRAPHS: BROWARD COUNTY, 2018.
2. THE EXISTING STORM DRAIN PIPES LOCATED WITHIN A PORTION OF THE MEDIANS ARE REPRESENTED ON THESE PLANS & ASSUMED TO HAVE 3 FEET OF COVER. PER COORDINATION WITH CITY STAFF. VERIFY ABOVE AND BELOW GROUND UTILITIES PRIOR TO COMMENCING WORK IN THE PROJECT AREA.
3. IN THE CASE OF UTILITY CONFLICTS THE LANDSCAPE WILL BE ADJUSTED, DO NOT ADJUST THE UTILITY. IF UTILITY CONFLICTS ARE DISCOVERED, NOTIFY LANDSCAPE ARCHITECT AND FDOT DISTRICT OPERATIONS MANAGER IMMEDIATELY.
4. THE LOCATIONS OF PLANTS AS SHOWN ON THESE PLANS ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY CRITERIA AND FDOT DESIGN CRITERIA, OR AS OTHERWISE DIRECTED/APPROVED BY THE LANDSCAPE ARCHITECT AND FDOT DISTRICT OPERATIONS MANAGER. FLAG PROPOSED TREE AND PLANT BED LOCATIONS TO THE EXTENT REQUESTED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING FOR APPROVAL. NOTIFY UTILITY OWNERS AND SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT LEAST TWO FULL WORKING DAYS BEFORE CONSTRUCTION.
5. THE PAYMENT OF WATER BILLS AND REPORTING OF WATER USAGE PERTAINING TO THE IRRIGATION WILL BE THE RESPONSIBILITY OF THE INDIVIDUAL [illegible] MAINTAINING SAID SYSTEM THROUGHOUT THE CONSTRUCTION AND WARRANTY PERIODS.
6. CONTRACTOR SHALL REPAIR ANY AND ALL DAMAGE DONE TO FDOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
7. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE [illegible] IS [illegible]. EXCAVATED MATERIALS SHALL BE HAULED BY THE PERMITTEE, AT THE [illegible] & EXPENSE FROM THE SITE TO THE [illegible] OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.
8. RELOCATION OF ANY SIGNS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PLANTING NOTES

1. ALL EXISTING TREES ARE TO REMAIN.
2. PRIOR TO PLANTING CONTRACTOR SHALL VERIFY EXISTING SOIL CONDITIONS. IF EXISTING SUBGRADE IS COMPACTED ROAD BASE, CONTRACTOR SHALL REMOVE UNSUITABLE SOIL INCLUDING CONCRETE, PAVEMENT, ROAD BASE, STONES OVER 3" DIAMETER AND ALL CONSTRUCTION DEBRIS FROM MEDIAN AREA TO BE PLANTED. PLANTING AREA SHALL BE BACKFILLED WITH PLANTING SOIL, CONSISTING OF 60% SAND AND 40% MUCK.
3. AREAS TO BE PLANTED WITH SHRUBS AND/OR GROUND COVERS REMOVE COMPACTED SOIL TO A DEPTH OF 18" AND REPLACE WITH SPECIFIED [illegible] SOIL. PLANTING SOIL SHALL COME UP TO 4" FROM TOP OF CURB, RESERVING SPACE FOR 3" COMPACTED MULCH AND 1" CLEAR FROM TOP OF CURB.
4. PLANTING PITS FOR TREES AND PALMS: REMOVE COMPACTED SOIL WITHIN THE AREA OF EACH PLANTING PIT TO A DEPTH OF 24" FROM THE TOP OF CURB. PLANTING [illegible] SHALL COME UP TO 4" FROM TOP OF CURB, RESERVING SPACE FOR 3" COMPACTED MULCH AND 1" CLEAR FROM TOP OF CURB.
5. CYPRESS MULCH IS NOT PERMITTED ON FDOT RIGHT OF WAY. INSTALL 3" RECYCLED MULCH CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC). SUBMIT PROOF OF CERTIFICATION TO THE FDOT DISTRICT [illegible] IN GROUNDCOVER BEDS. A 3' MULCH RING SHALL BE INSTALLED AROUND ALL NEWLY INSTALLED FREESTANDING TREES.
6. SODDED AREAS WILL [illegible] ACCORDANCE WITH STANDARD INDEX 105 AND SECTIONS 162, 570, 981, 982, 983, 987 OF THE DEPARTMENT'S STANDARD SPECIFICATIONS. CONTRACTOR SHALL REMOVE THE EXISTING SOIL WITHIN A 3' RADIUS OF [illegible] TREES.
7. TREES, SHRUBS AND GROUNDCOVER SHALL BE INSTALLED PER FDOT INDEX 544, 2015 STANDARDS. REFER HTTP://WWW.DOT.STATE.FL.US/RDDESIGN/DS/15/IDX/00544.PDF
8. LANDSCAPE MAINTENANCE AND ESTABLISHMENT SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, JANUARY - JUNE [illegible], REFER TO HTTP://WWW.DOT.STATE.FL.US/[illegible], SECTION [illegible] FOR SPECIFICATION DETAILS. ALL DISTURBED AREAS WILL BE [illegible] WITHIN ONE (1) WEEK OF INSTALLATION OF ALL PERMITTED WORK.

ROOT PRUNING & TREE PROTECTION NOTES

[illegible]

DESIGN NOTES

1. DESIGN SPEED OF THE ROAD IS 45 MPH.
2. SIGHT ANGLES SHOWN ON THESE PLANS AREA BASED ON A 45 MPH DESIGN SPEED, 4 LANE DIVIDED ROADWAY (DISTANCE [illegible]) WITH A MEDIAN OF 22' OR LESS, CHANNELIZED MEDIAN OPENING DISTANCE OF 430.
3. INTERSECTIONS LABELED AS 'SIGNALIZED' ARE FULLY SIGNALIZED 24 HOURS PER DAY AND ARE NOT PLACED IN A FLASHING MODE AS PART OF THEIR NORMAL OPERATION.

PLANT SCHEDULE

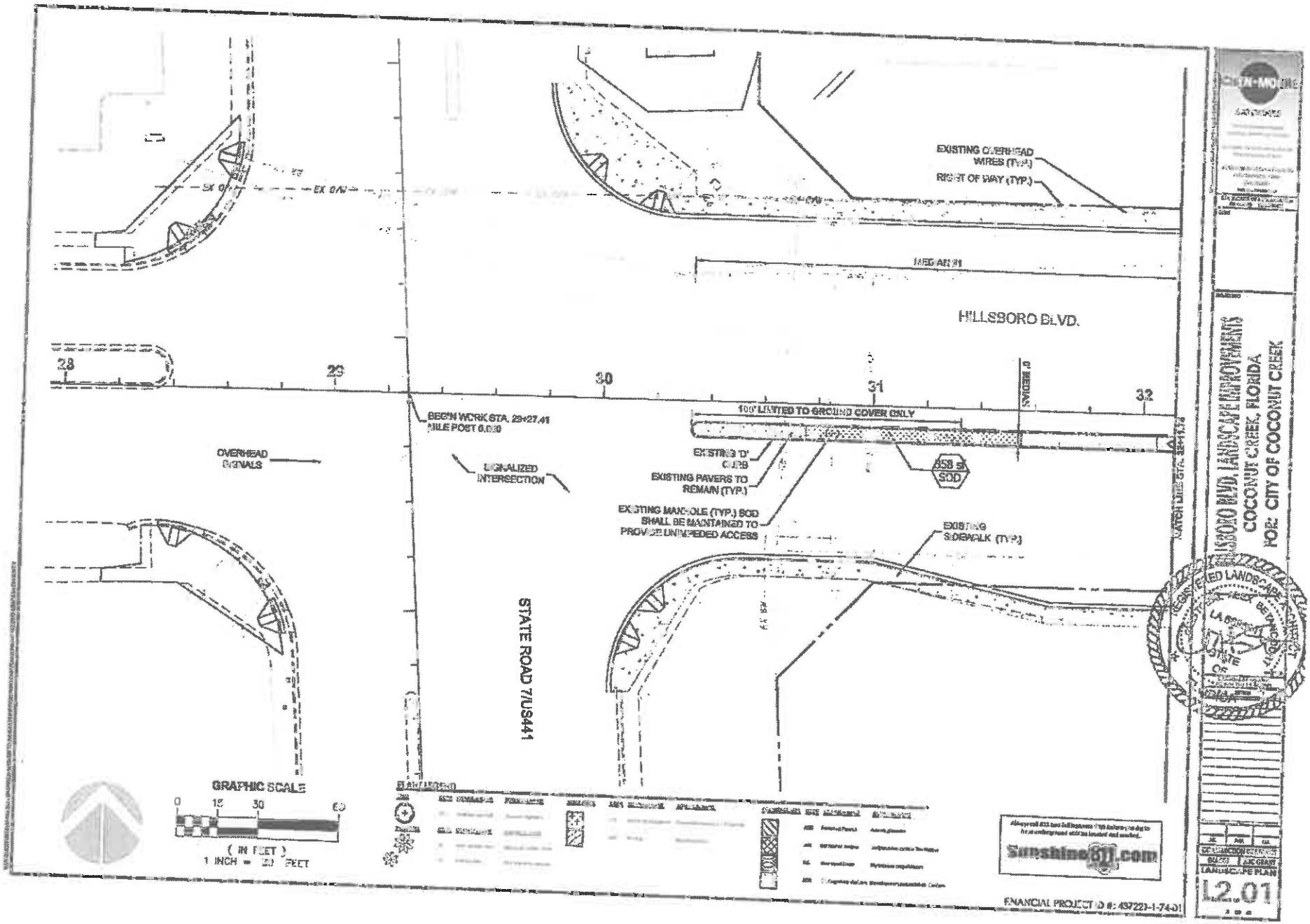
	Code	Quantity	Common	Botanical	Cont	Size	Native	Spacing	Mature Min. Hgt.	Mature Height
TREES										
	QV	10	Southern Live Oak	Quercus virginiana	B & B	16' HT, 7' SPRD, 4" CAL.	Yes	As Shown		
PALM TREES										
	BB	17	Silver Bismarck Palm	Bismarckia nobilis 'Silver'	B & B	12' - 14' OAH, 18" MAX TRUNK DIAMETER	No	As Shown		
	PE	67	Solitaire Palm	Ptychosperma elegans	B & B	16'-18' OAH	No	As Shown		
SHRUB AREAS										
	CHI	447	Horizontal Cocoplum	Chrysobalanus icaco 'Horizontalis'	3 gal	18"x18"	Yes	30" o.c.	24"	
	HAP	409	Dwarf Fire Bush	Hamelia patens 'Dwarf'	3 gal	18"x18"	Yes	24" o.c.	36"	
GROUND COVERS										
	ARG	3,180	Perennial Peanut	Arachis glabrata 'Ecoturf'	4"	8"	No	12" o.c.		6"
	JUH	543	Bar Harbor Juniper	Juniperus horizontalis 'Bar Harbor'	3 gal	14"x14"	No	24" o.c.		12"
	SA	1,617	Mondo Grass	[illegible]	1 gal	6"x6"	Yes	As Shown		18"
	SOD	384	St. Augustine 'Floritam'	Stenotaphrum secundatum 'Floritam'		Solid Sod	N/A	As Shown		

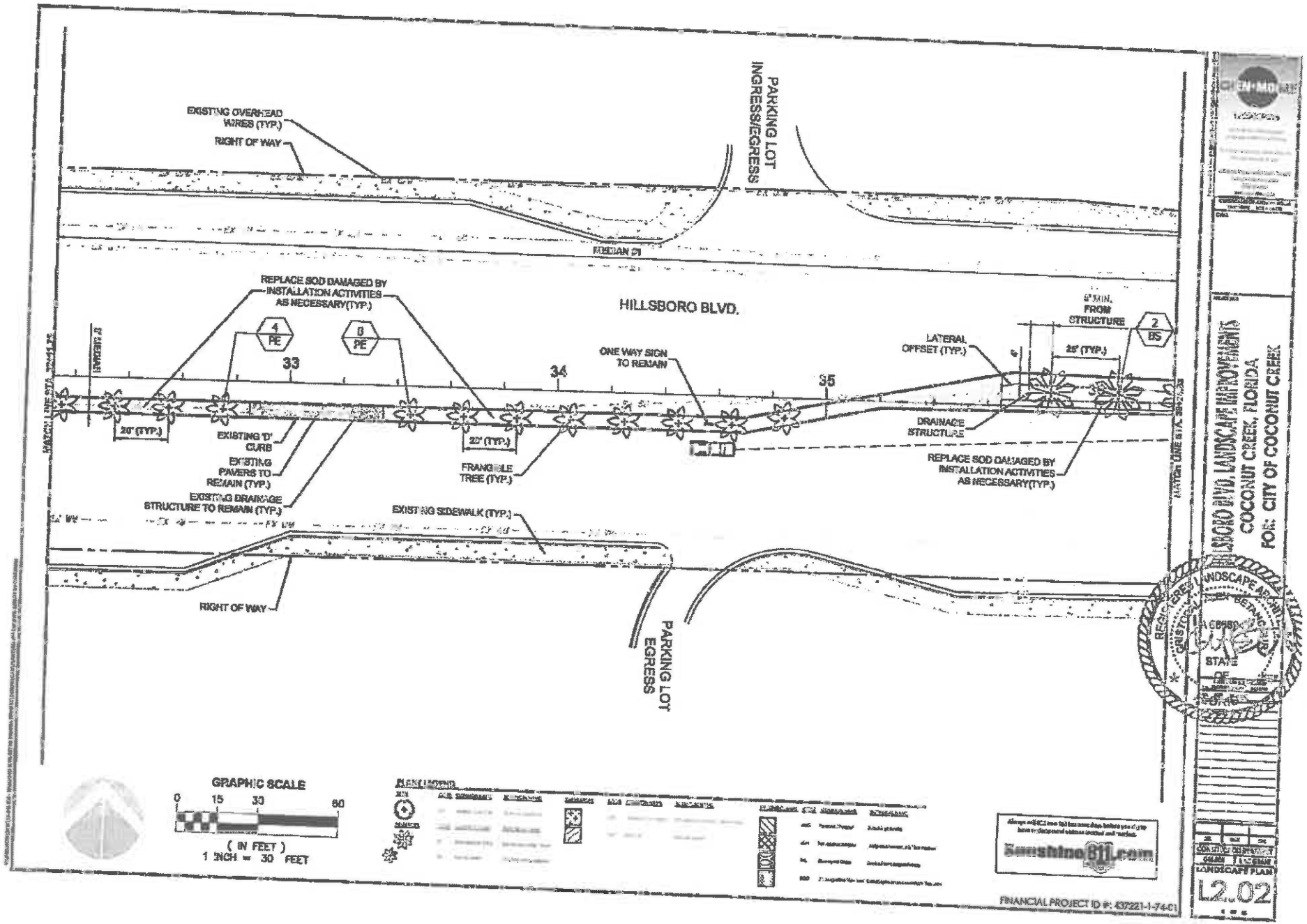
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

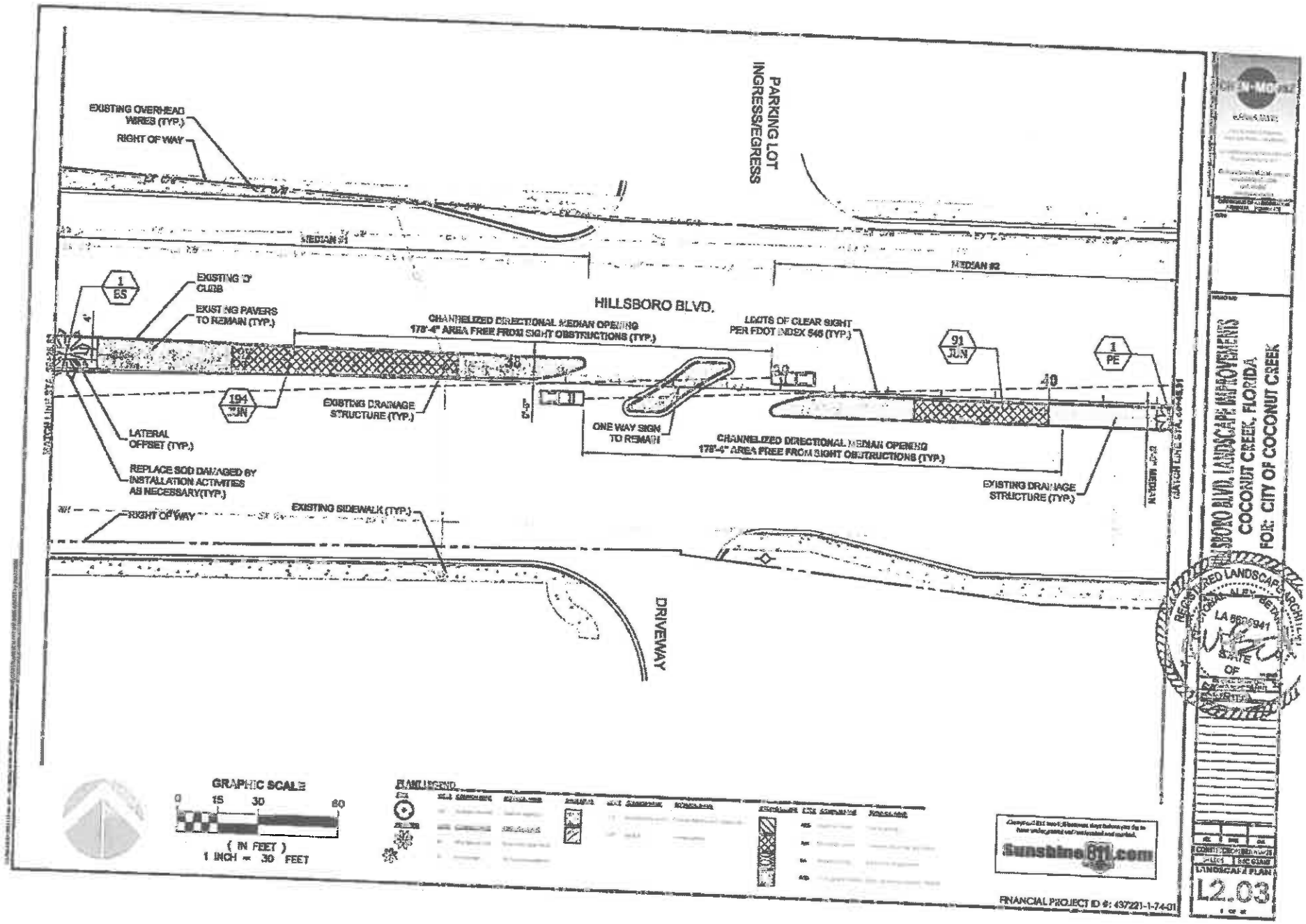
PLANT SCHEDULE AND NOTES

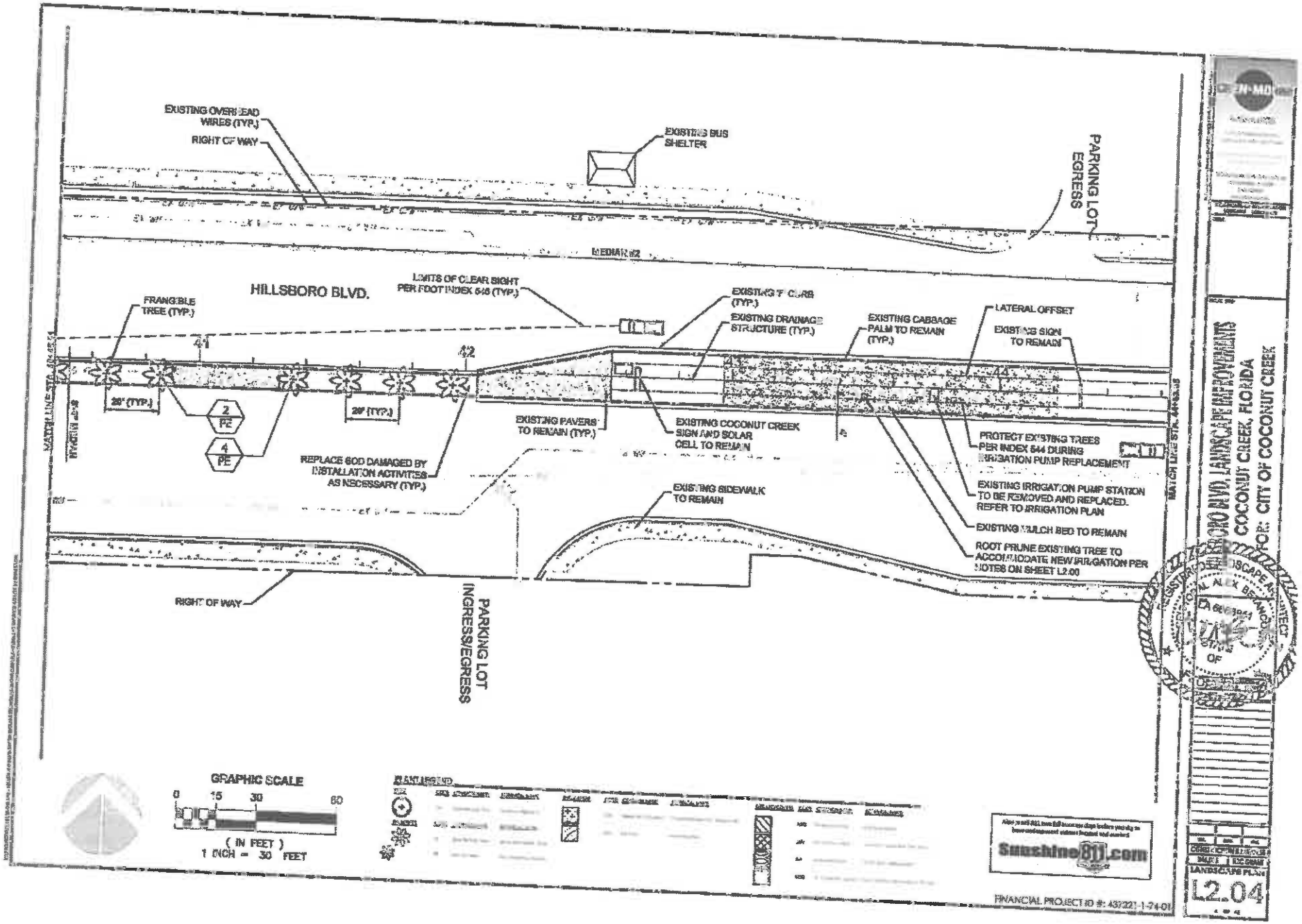
L2.00

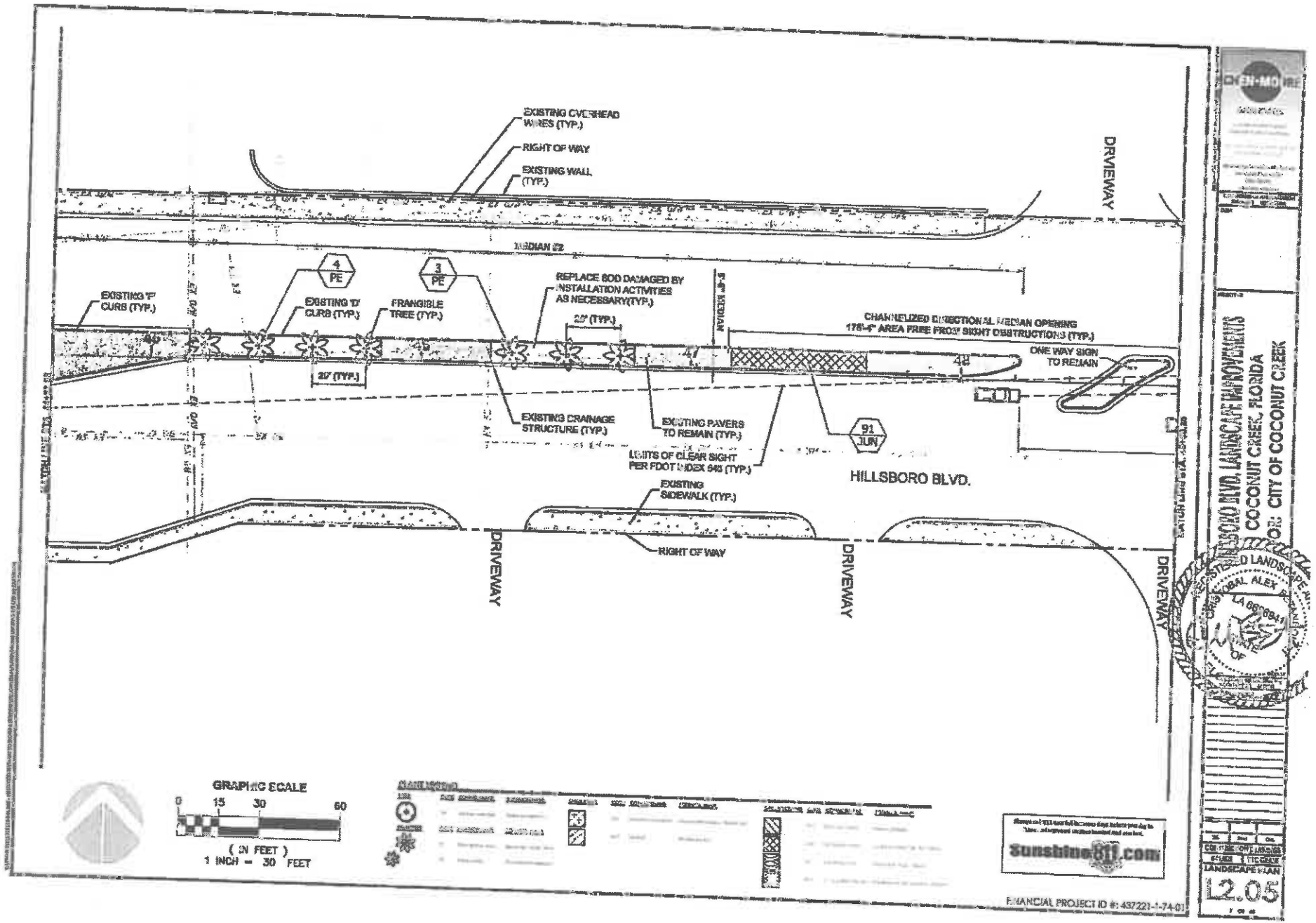
FINANCIAL PROJECT ID #: 437221-1-74-01


HILLSBORO BLVD.
STATE ROAD 7/US441
28
29
30
31
32
EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY (TYP.)
BEGIN WORK STA. 29+27.41
MILE POST 6.030
100' LIMITED TO GROUND COVER ONLY
EXISTING 'D' CURB
EXISTING PAVERS TO REMAIN (TYP.)
358 SY SOD
EXISTING MANHOLE (TYP.) SOD SHALL BE MAINTAINED TO PROVIDE UNIMPEDED ACCESS
EXISTING SIDEWALK (TYP.)
OVERHEAD SIGNALS
SIGNALIZED INTERSECTION
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.01


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
PARKING LOT INGRESS/EGRESS
MEDIAN (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY(TYP.)
HILLSBORO BLVD.
4 PE
8 PE
33
34
35
ONE WAY SIGN TO REMAIN
LATERAL OFFSET (TYP.)
6" MIN. FROM STRUCTURE
2 BS
25' (TYP.)
20' (TYP.)
EXISTING 'D' CURB
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING DRAINAGE STRUCTURE TO REMAIN (TYP.)
22' (TYP.)
FRANGIBLE TREE (TYP.)
DRAINAGE STRUCTURE
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY(TYP.)
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
PARKING LOT EGRESS
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.02


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
PARKING LOT INGRESS/EGRESS
MEDIAN #1
MEDIAN #2
HILLSBORO BLVD.
1 ES
EXISTING 'D' CURB
EXISTING PAVERS TO REMAIN (TYP.)
CHANNELIZED DIRECTIONAL MEDIAN OPENING 178'-4" AREA FREE FROM SIGHT OBSTRUCTIONS (TYP.)
LOOTS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
91 JUN
1 PE
194 JUN
EXISTING DRAINAGE STRUCTURE (TYP.)
LATERAL OFFSET (TYP.)
ONE WAY SIGN TO REMAIN
CHANNELIZED DIRECTIONAL MEDIAN OPENING 178'-4" AREA FREE FROM SIGHT OBSTRUCTIONS (TYP.)
EXISTING DRAINAGE STRUCTURE (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY(TYP.)
RIGHT OF WAY
EXISTING SIDEWALK (TYP.)
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
REGISTERED LANDSCAPE ARCHITECT
LA 6666941
STATE OF
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
L2.03

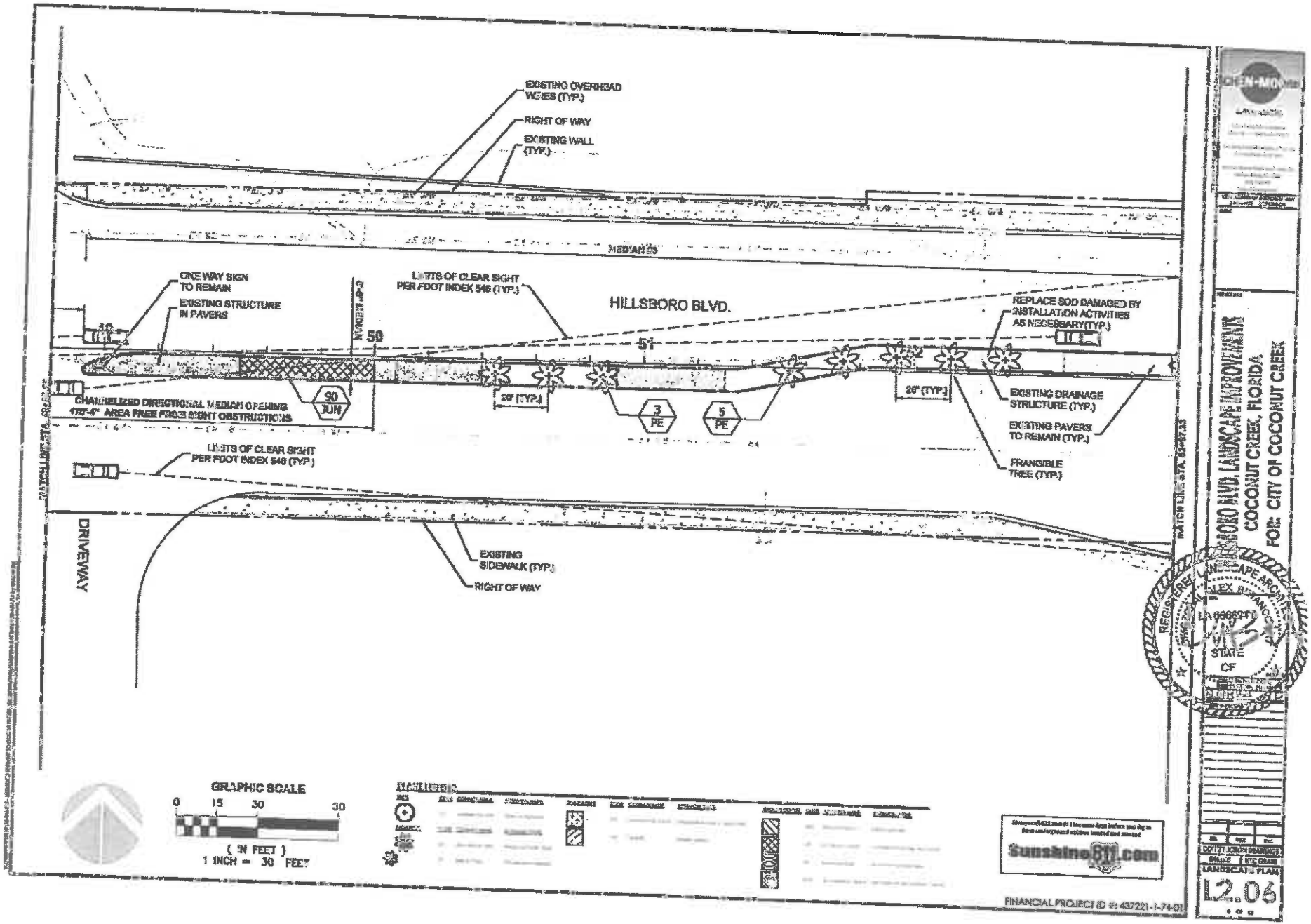

EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
EXISTING BUS SHELTER
PARKING LOT EGRESS
MEDIAN #2
HILLSBORO BLVD.
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
FRANGIBLE TREE (TYP.)
EXISTING 'F' CURB (TYP.)
EXISTING DRAINAGE STRUCTURE (TYP.)
EXISTING CABBAGE PALM TO REMAIN (TYP.)
LATERAL OFFSET
EXISTING SIGN TO REMAIN
41
42
43
44
20' (TYP.)
2 PE
4 PE
20' (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING COCONUT CREEK SIGN AND SOLAR CELL TO REMAIN
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
PROTECT EXISTING TREES PER INDEX 544 DURING IRRIGATION PUMP REPLACEMENT
EXISTING IRRIGATION PUMP STATION TO BE REMOVED AND REPLACED. REFER TO IRRIGATION PLAN
EXISTING MULCH BED TO REMAIN
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
EXISTING SIDEWALK TO REMAIN
RIGHT OF WAY
PARKING LOT INGRESS/EGRESS
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.04

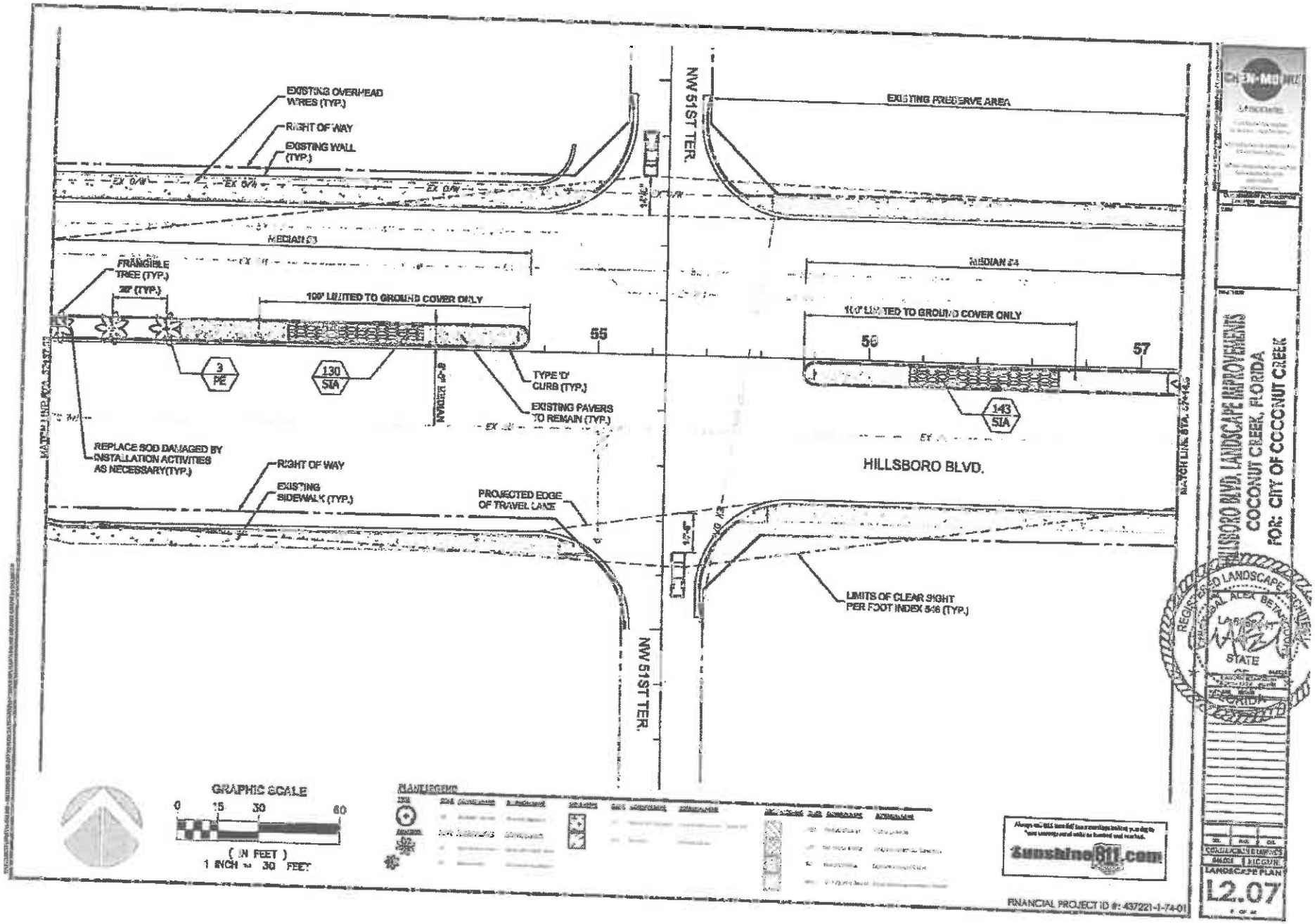


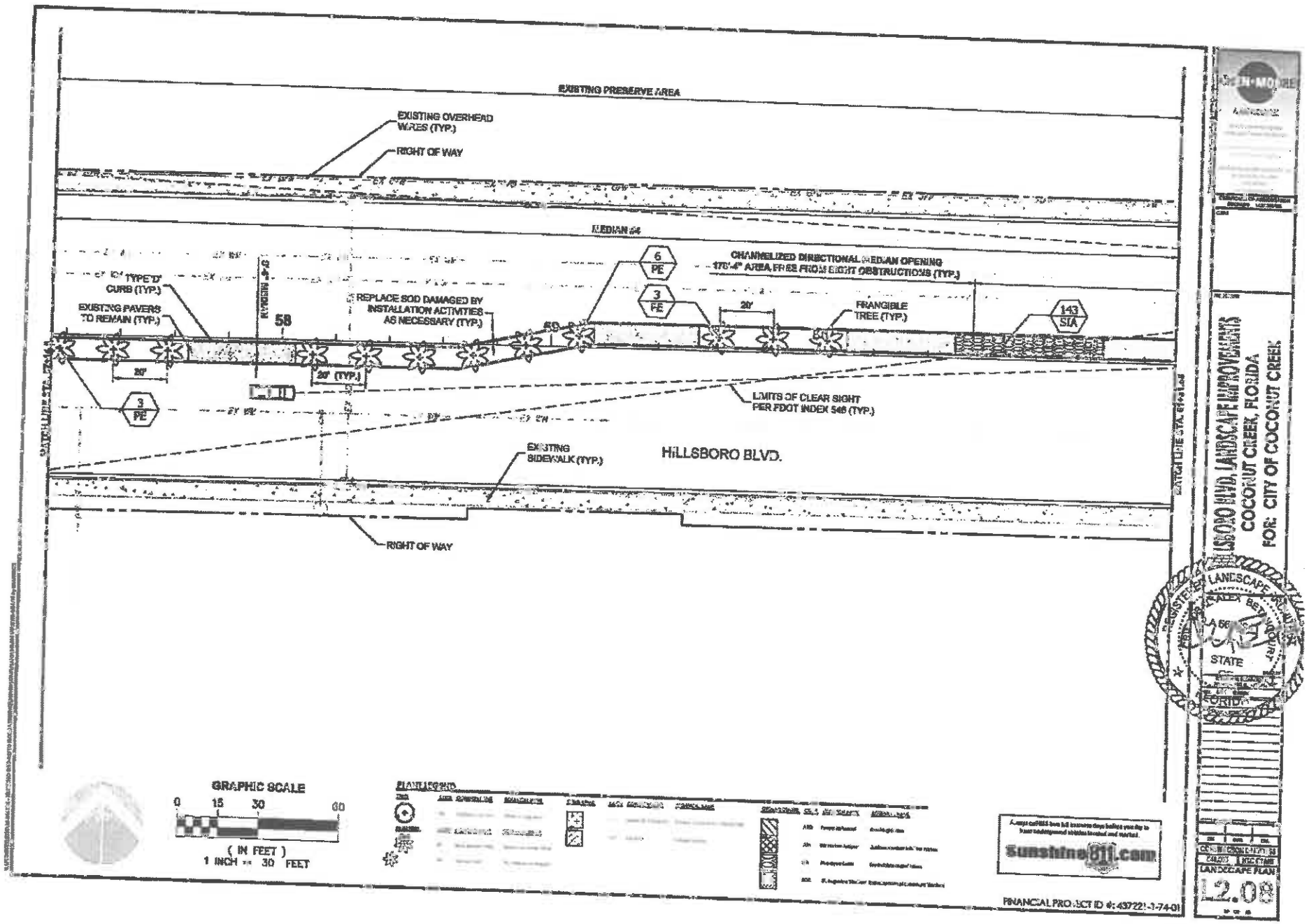
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
CITY OF COCONUT CREEK

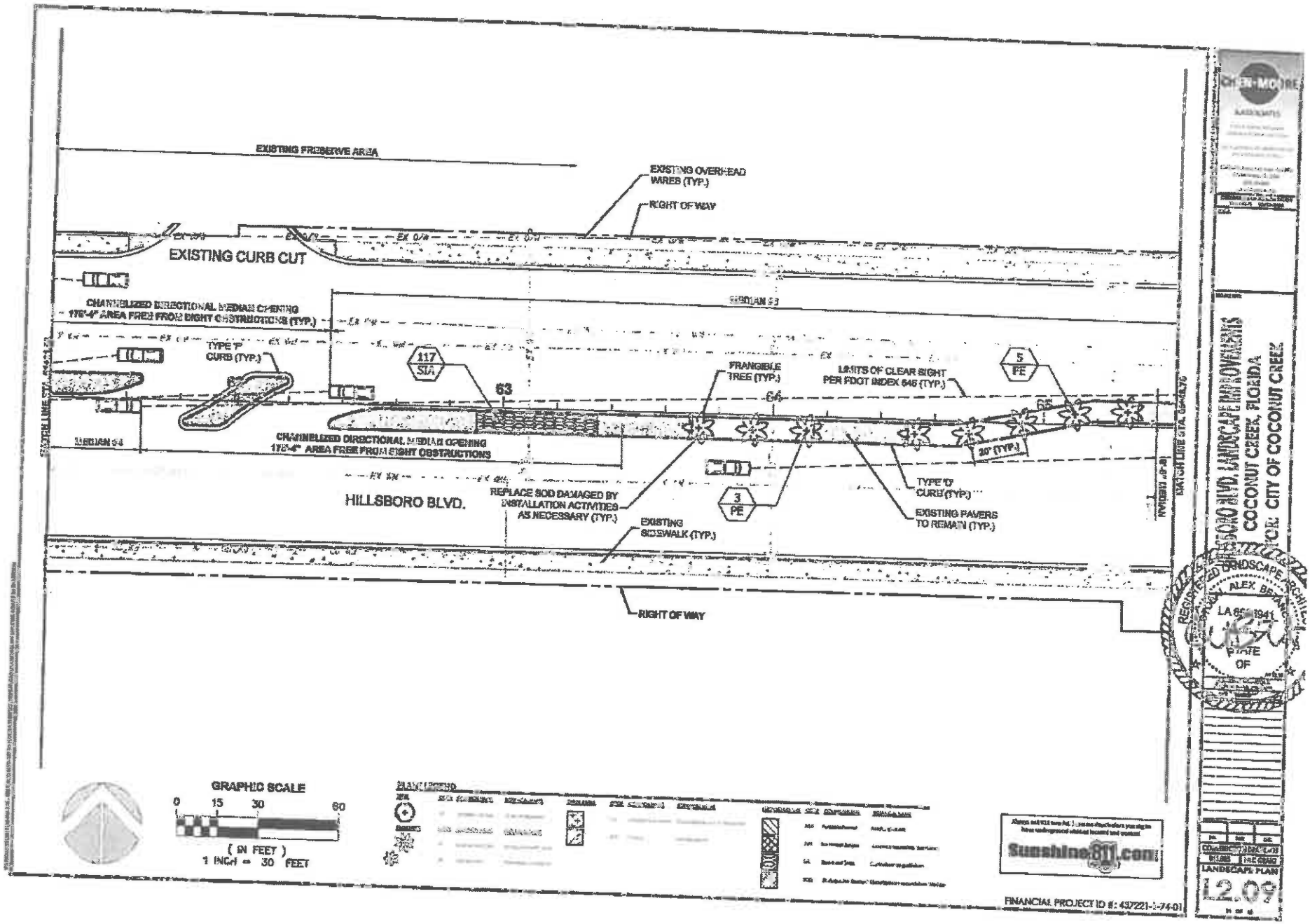
LANDSCAPE PLAN

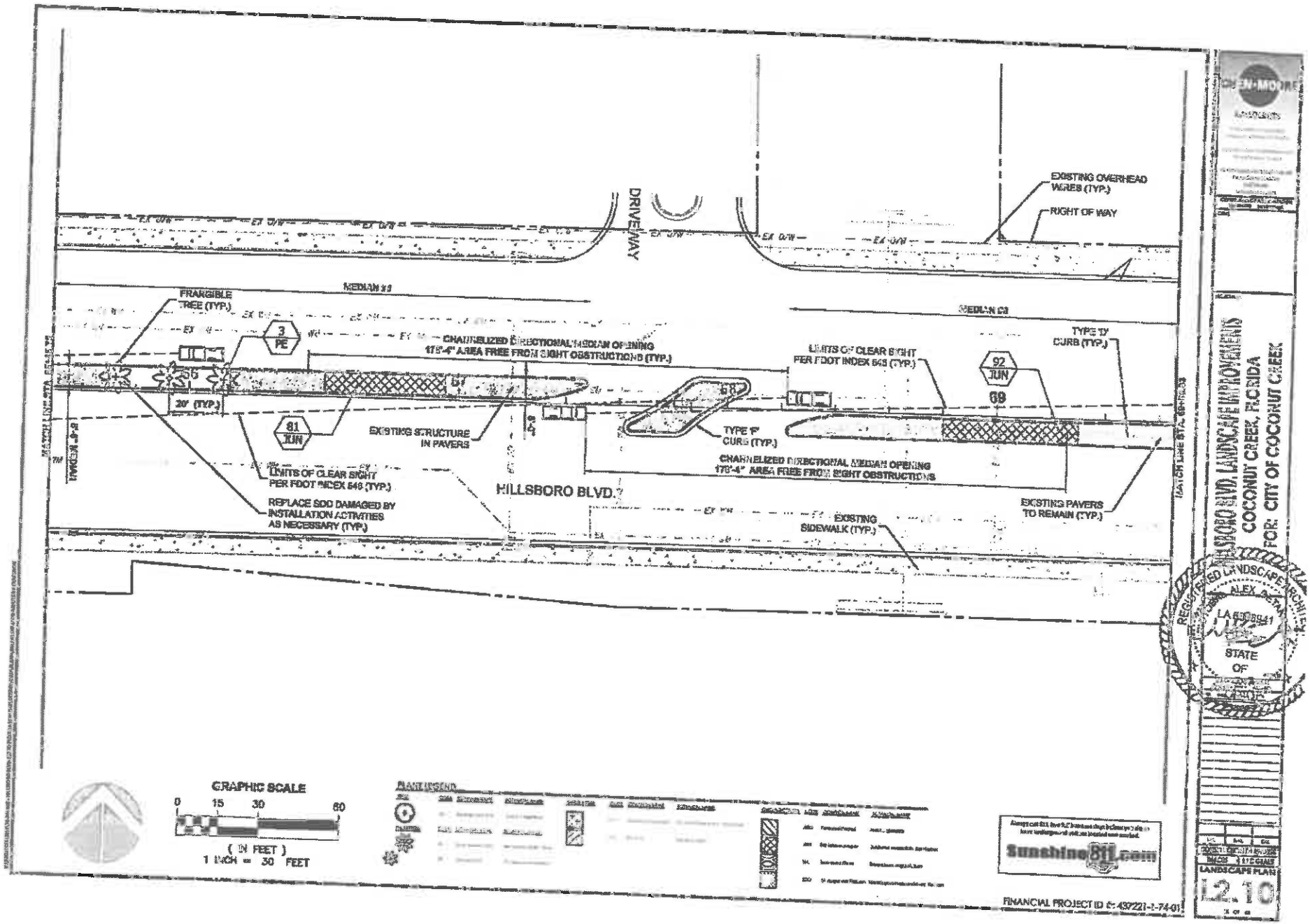
L2.05

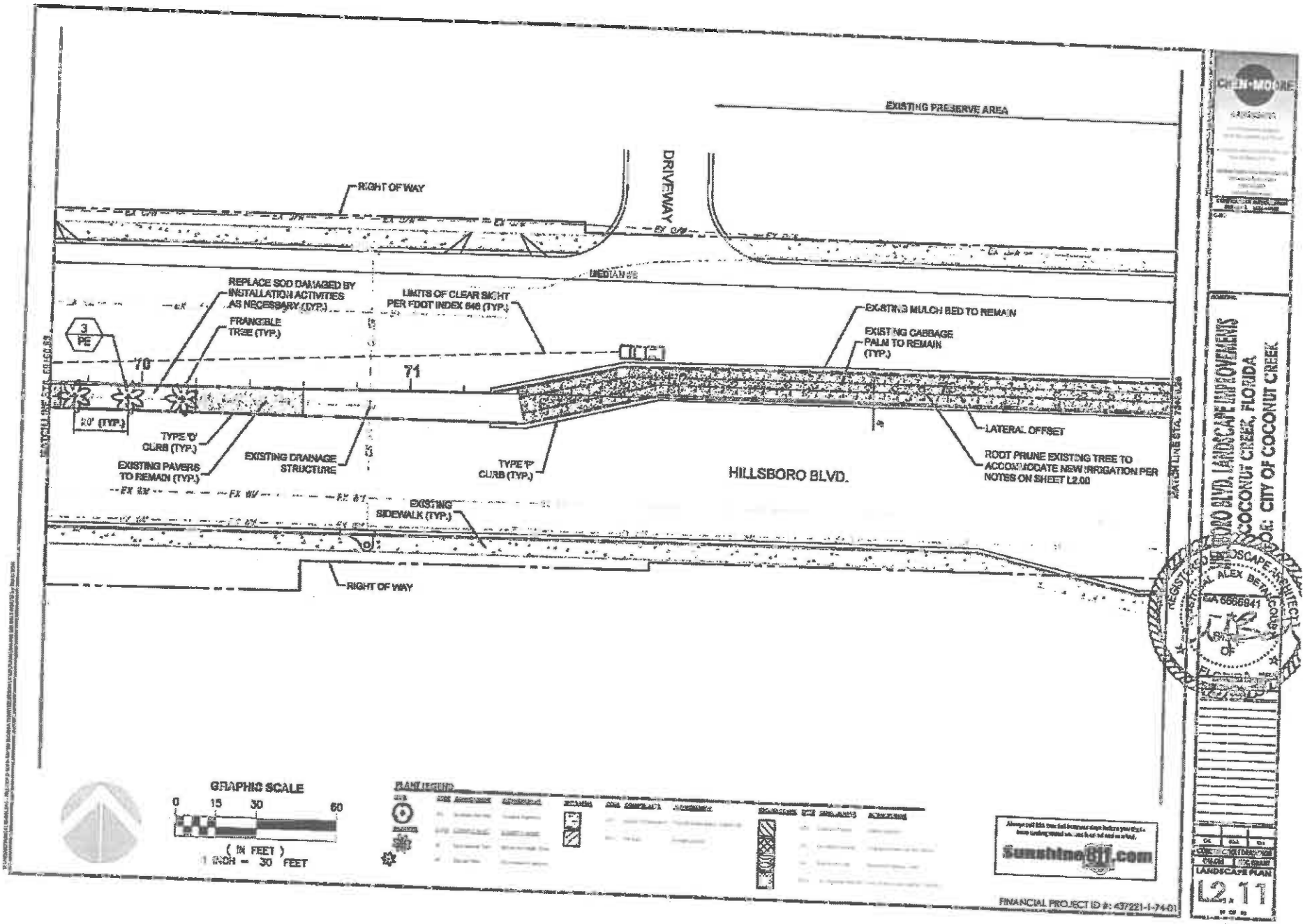

EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
EXISTING WALL (TYP.)
MEDIAN
ONE WAY SIGN TO REMAIN
EXISTING STRUCTURE IN PAVERS
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
HILLSBORO BLVD.
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
50
51
CHANNELIZED DIRECTIONAL MEDIAN OPENING 170'-0" AREA FREE FROM SIGHT OBSTRUCTIONS
90 JUN
20' (TYP.)
3 PE
5 PE
20' (TYP.)
EXISTING DRAINAGE STRUCTURE (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
FRANGIBLE TREE (TYP.)
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
DRIVEWAY
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
ALIGNMENT
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENT
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.06

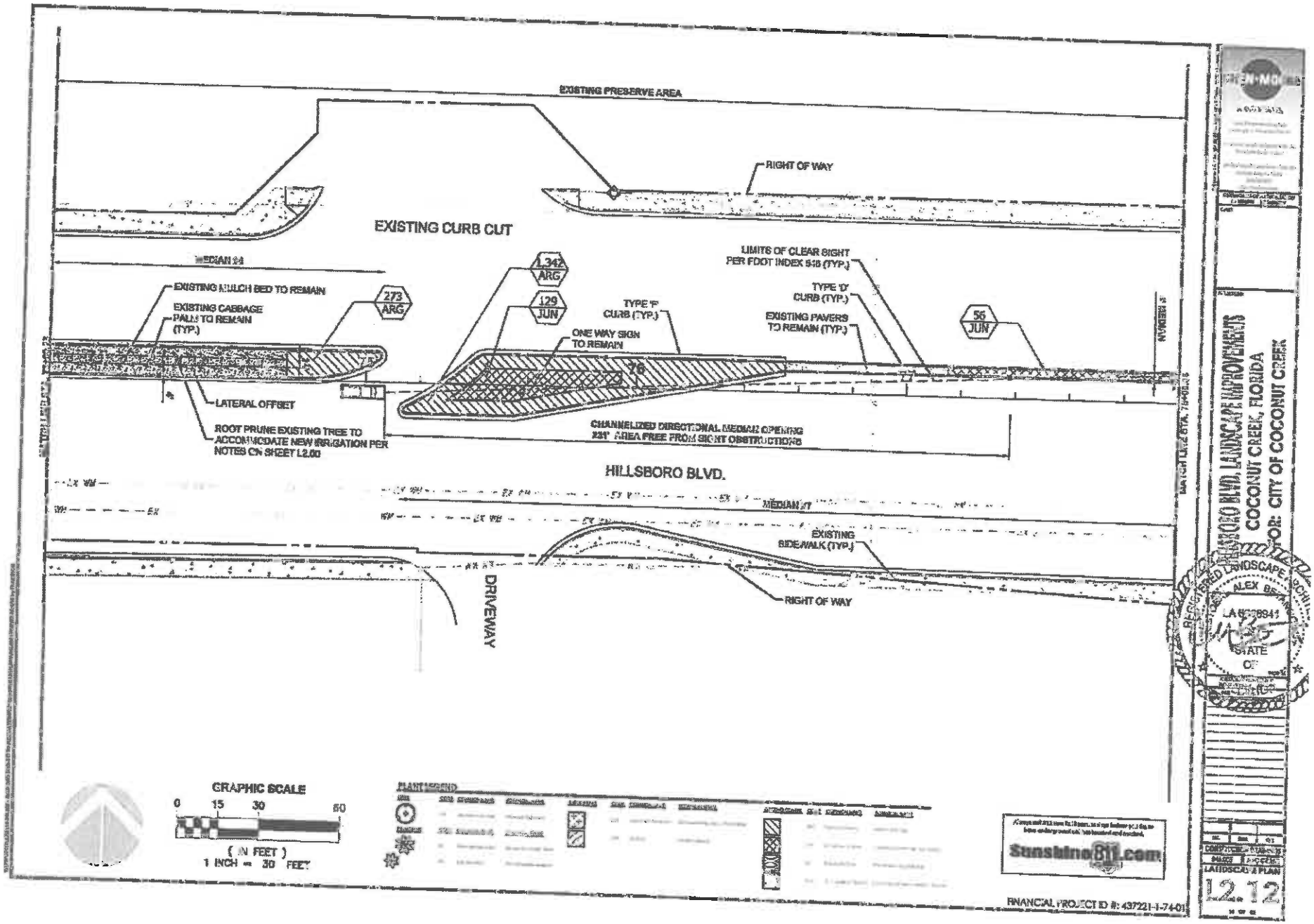

EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
EXISTING WALL (TYP.)
NW 51ST TER.
EXISTING PRESERVE AREA
MEDIAN #3
MEDIAN #4
FRANGIBLE TREE (TYP.)
20' (TYP.)
100' LIMITED TO GROUND COVER ONLY
55
56
57
3 PE
130 SIA
143 SIA
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY(TYP.)
RIGHT OF WAY
EXISTING SIDEWALK (TYP.)
PROJECTED EDGE OF TRAVEL LANE
HILLSBORO BLVD.
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
NW 51ST TER.
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BETANCOURT
STATE
FLORIDA
LANDSCAPE PLAN
L2.07

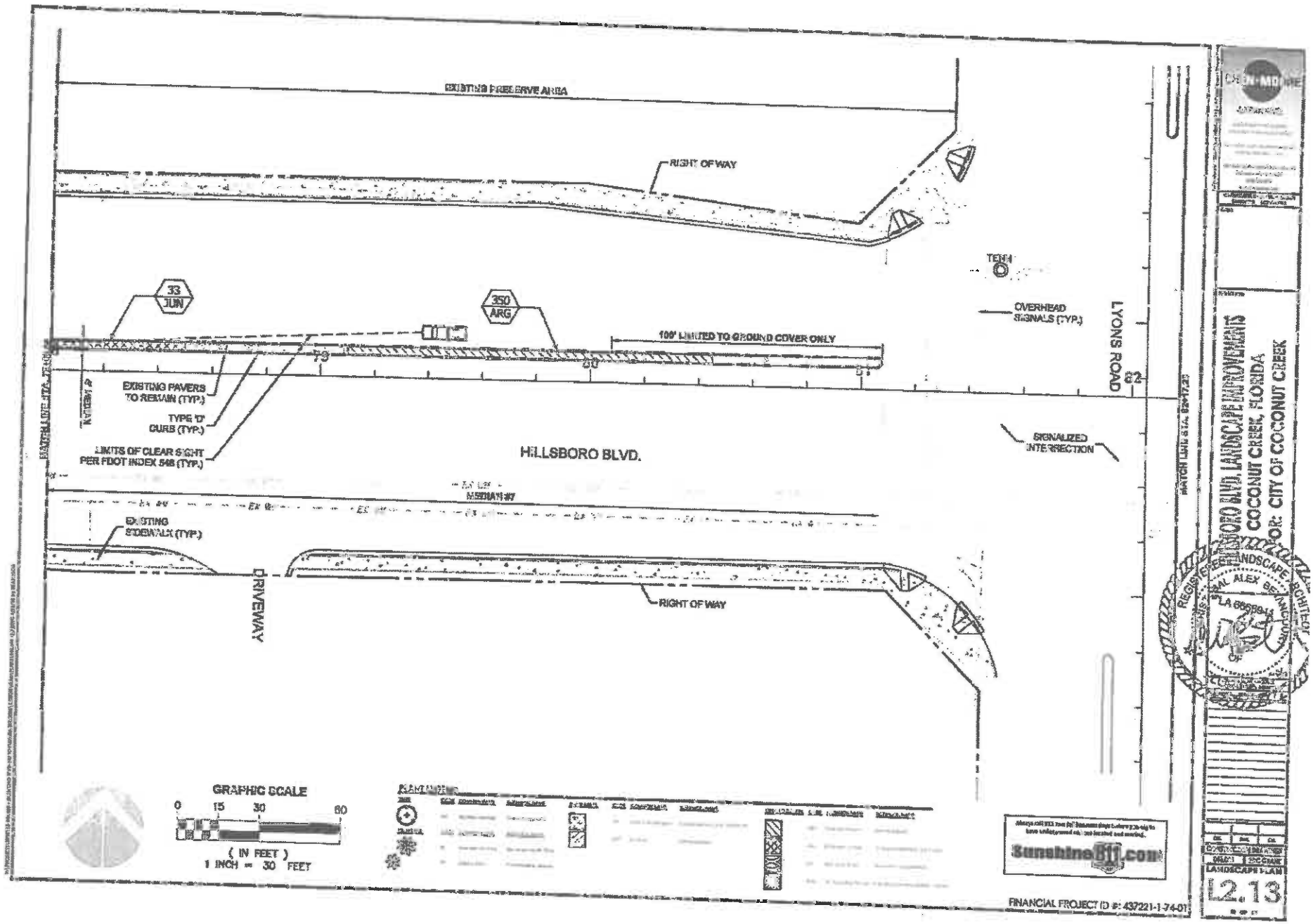

EXISTING PRESERVE AREA
EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN #4
CHANNELIZED DIRECTIONAL MEDIAN OPENING
170'-4" AREA FREE FROM SIGHT OBSTRUCTIONS (TYP.)
6 PE
3 PE
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
58
20'
20' (TYP.)
FRANGIBLE TREE (TYP.)
143 SIA
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
EXISTING SIDEWALK (TYP.)
HILLSBORO BLVD.
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
LANDSCAPE PLAN
L2.08

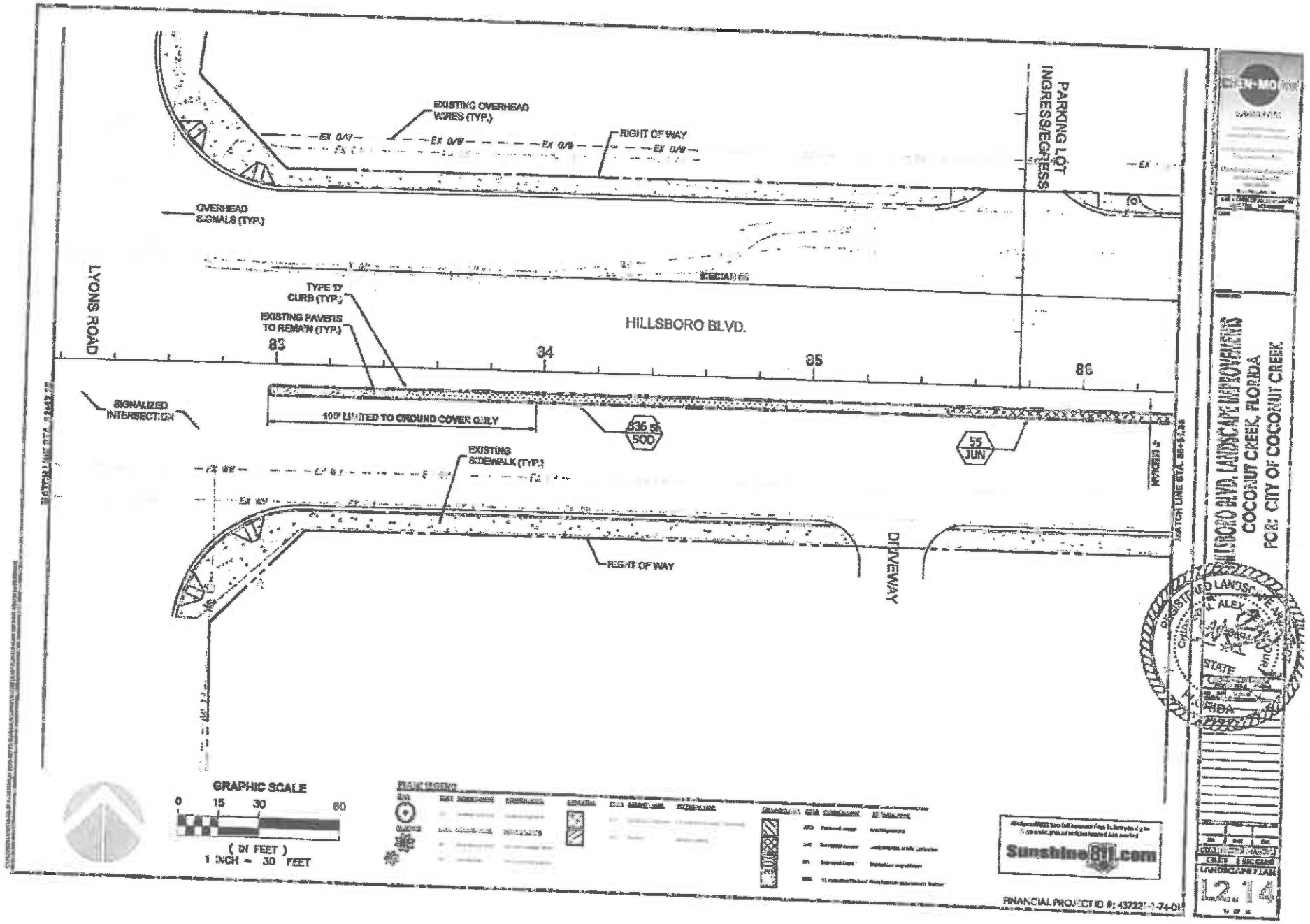

EXISTING PRESERVE AREA
EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
EXISTING CURB CUT
CHANNELIZED DIRECTIONAL MEDIAN OPENING 175'-4" AREA FREE FROM SIGHT OBSTRUCTIONS (TYP.)
MEDIAN 63
TYPE 'F' CURB (TYP.)
117 SIA
63
FRANGIBLE TREE (TYP.)
64
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
5 PE
65
MEDIAN 64
CHANNELIZED DIRECTIONAL MEDIAN OPENING 175'-4" AREA FREE FROM SIGHT OBSTRUCTIONS
20' (TYP.)
HILLSBORO BLVD.
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
3 PE
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
MATCH LINE STA. 64+48.76
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
CHEN-MOORE
LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BEZANO
LA 8[illegible]1941
STATE OF
LANDSCAPE PLAN
L2.09

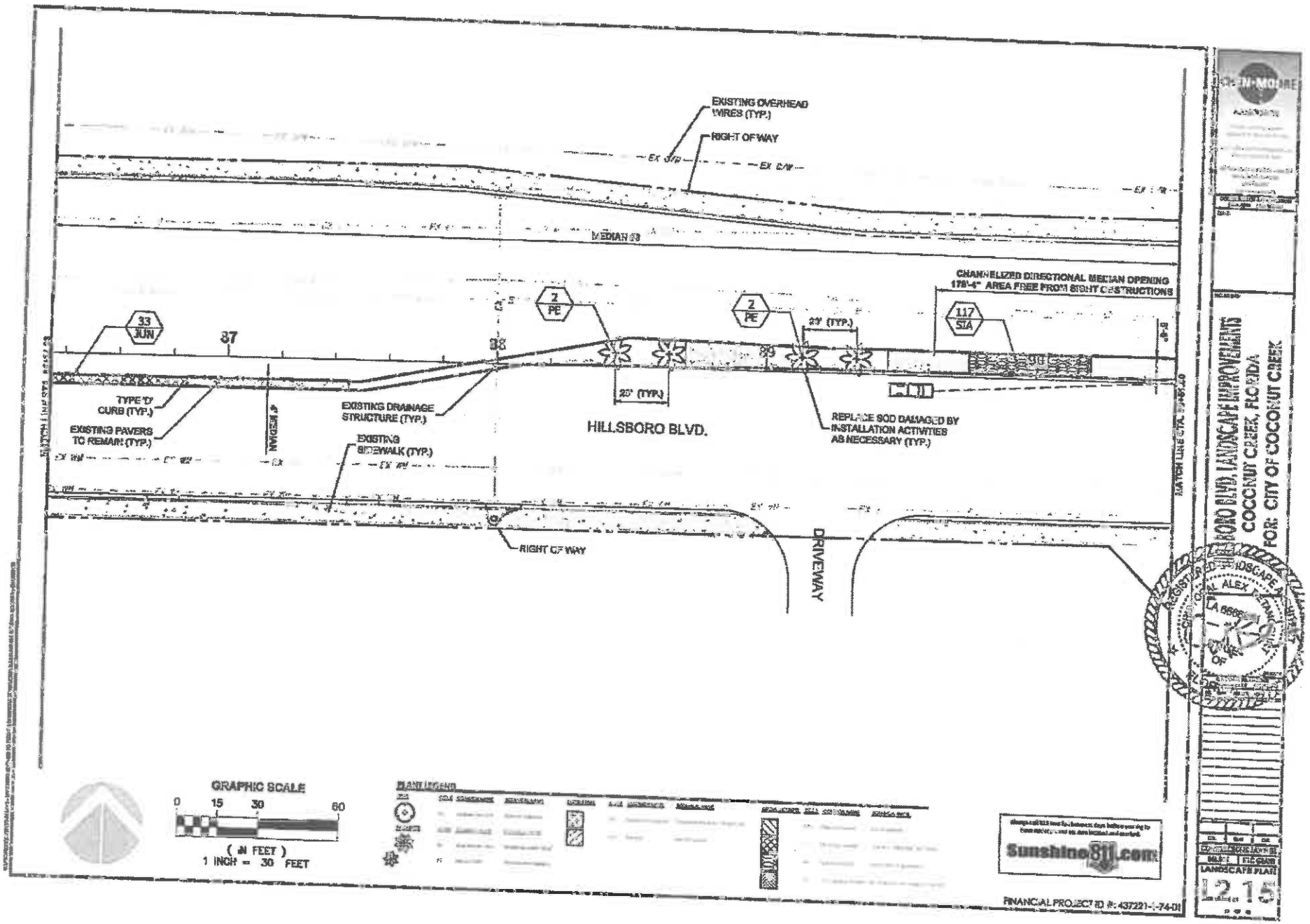

DRIVEWAY
EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN #1
MEDIAN #2
FRANGIBLE TREE (TYP.)
3 PE
CHANNELIZED DIRECTIONAL MEDIAN OPENING 175'-4" AREA FREE FROM SIGHT OBSTRUCTIONS (TYP.)
UNITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
92 JUN
TYPE 'D' CURB (TYP.)
20' (TYP.)
81 JUN
EXISTING STRUCTURE IN PAVERS
TYPE 'F' CURB (TYP.)
CHANNELIZED DIRECTIONAL MEDIAN OPENING 175'-4" AREA FREE FROM SIGHT OBSTRUCTIONS
UNITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
HILLSBORO BLVD.
EXISTING SIDEWALK (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 439221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX JETAN
LA 6666941
STATE OF
LANDSCAPE PLAN
L2.10

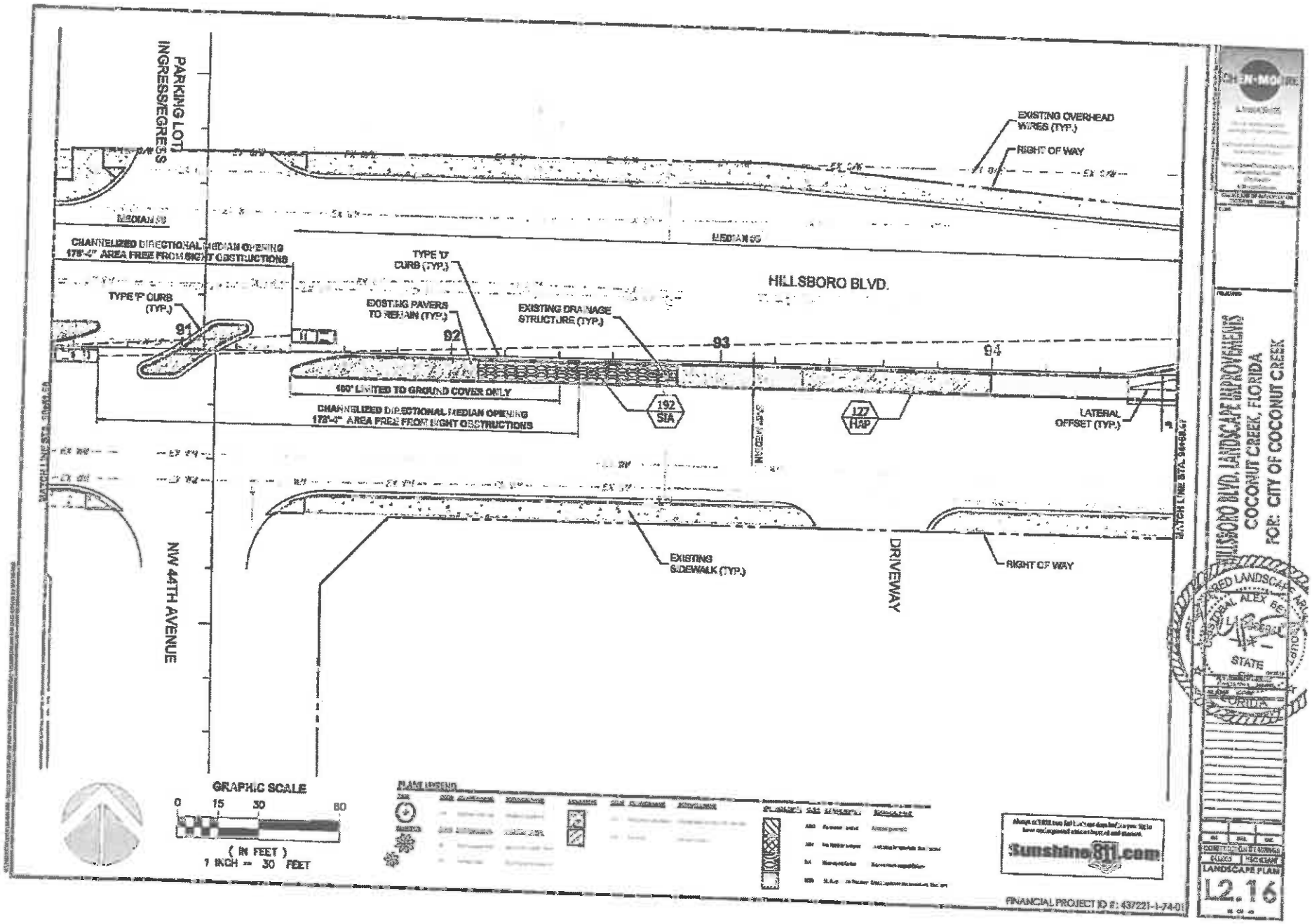

EXISTING PRESERVE AREA
DRIVEWAY
RIGHT OF WAY
MEDIAN
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
FRANGIBLE TREE (TYP.)
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
EXISTING MULCH BED TO REMAIN
EXISTING CABBAGE PALM TO REMAIN (TYP.)
3 PE
70
71
20' (TYP.)
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING DRAINAGE STRUCTURE
TYPE 'F' CURB (TYP.)
HILLSBORO BLVD.
LATERAL OFFSET
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
CHEN-MOORE
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BETANCOURT
LANDSCAPE PLAN
L2.11


EXISTING PRESERVE AREA
RIGHT OF WAY
EXISTING CURB CUT
MEDIAN 24
EXISTING MULCH BED TO REMAIN
EXISTING CABBAGE PALM TO REMAIN (TYP.)
273 ARG
1,342 ARG
129 JUN
TYPE 'F' CURB (TYP.)
ONE WAY SIGN TO REMAIN
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
56 JUN
LATERAL OFFSET
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
CHANNELIZED DIRECTIONAL MEDIAN OPENING 231' AREA FREE FROM SIGHT OBSTRUCTIONS
HILLSBORO BLVD.
MEDIAN 27
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.12


EXISTING PRESERVE AREA
RIGHT OF WAY
33
JUN
350
ARG
100' LIMITED TO GROUND COVER ONLY
TERM
OVERHEAD SIGNALS (TYP.)
LYONS ROAD
EXISTING PAVERS TO REMAIN (TYP.)
TYPE 'D' CURB (TYP.)
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
HILLSBORO BLVD.
SIGNALIZED INTERSECTION
MEDIAN
EXISTING SIDEWALK (TYP.)
DRIVEWAY
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.13


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
PARKING LOT INGRESS/EGRESS
OVERHEAD SIGNALS (TYP.)
LYONS ROAD
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
HILLSBORO BLVD.
83
84
85
86
SIGNALIZED INTERSECTION
836 SY SOD
55 JUN
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 43722
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
AIA
FRIBA
LANDSCAPE PLAN
12 14


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN #8
CHANNELIZED DIRECTIONAL MEDIAN OPENING 178'-4" AREA FREE FROM SIGHT OBSTRUCTIONS
33 JUN
37
38
39
7 PE
2 PE
117 SIA
29' (TYP.)
20' (TYP.)
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING DRAINAGE STRUCTURE (TYP.)
EXISTING SIDEWALK (TYP.)
HILLSBORO BLVD.
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
RIGHT OF WAY
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.15

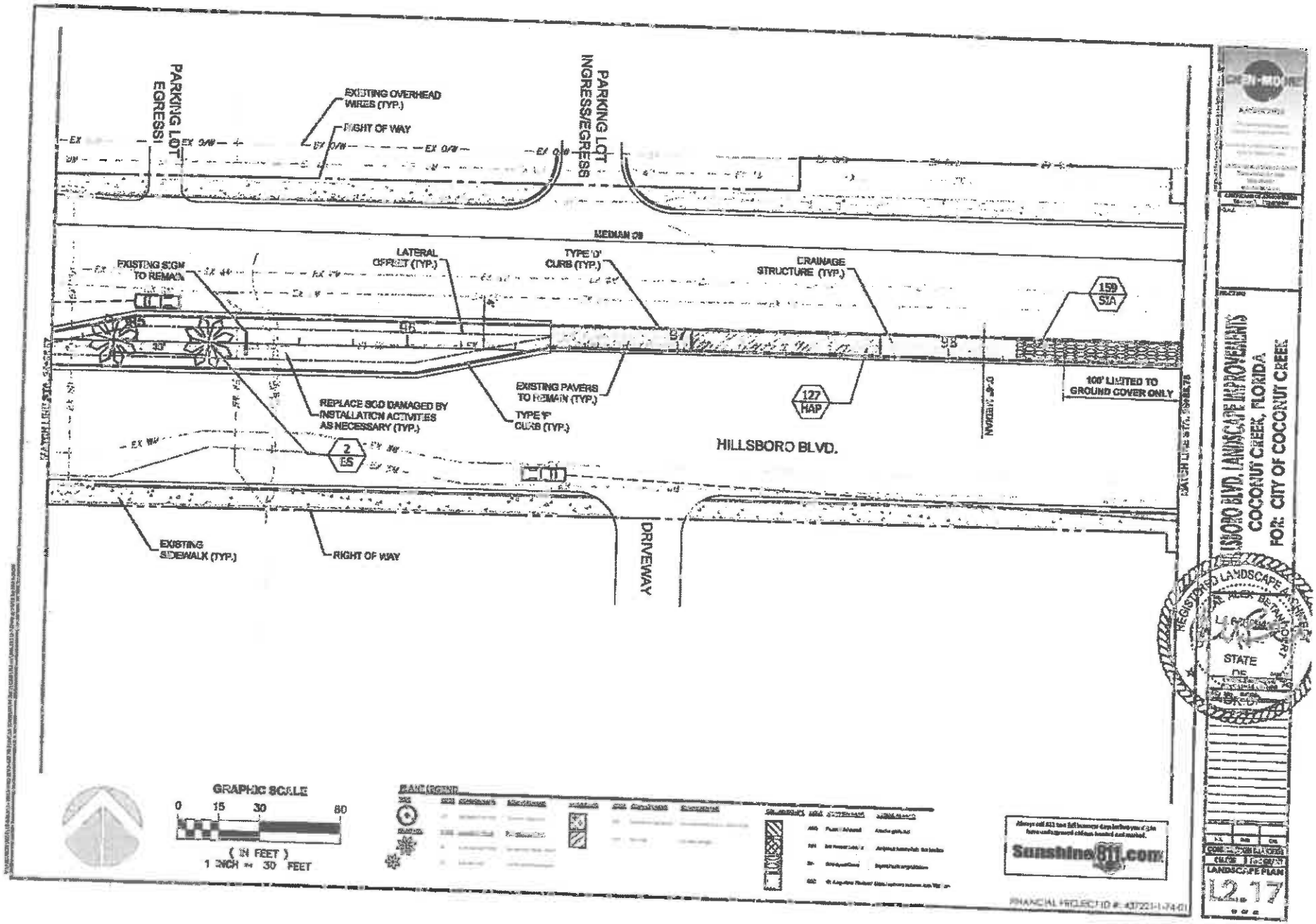


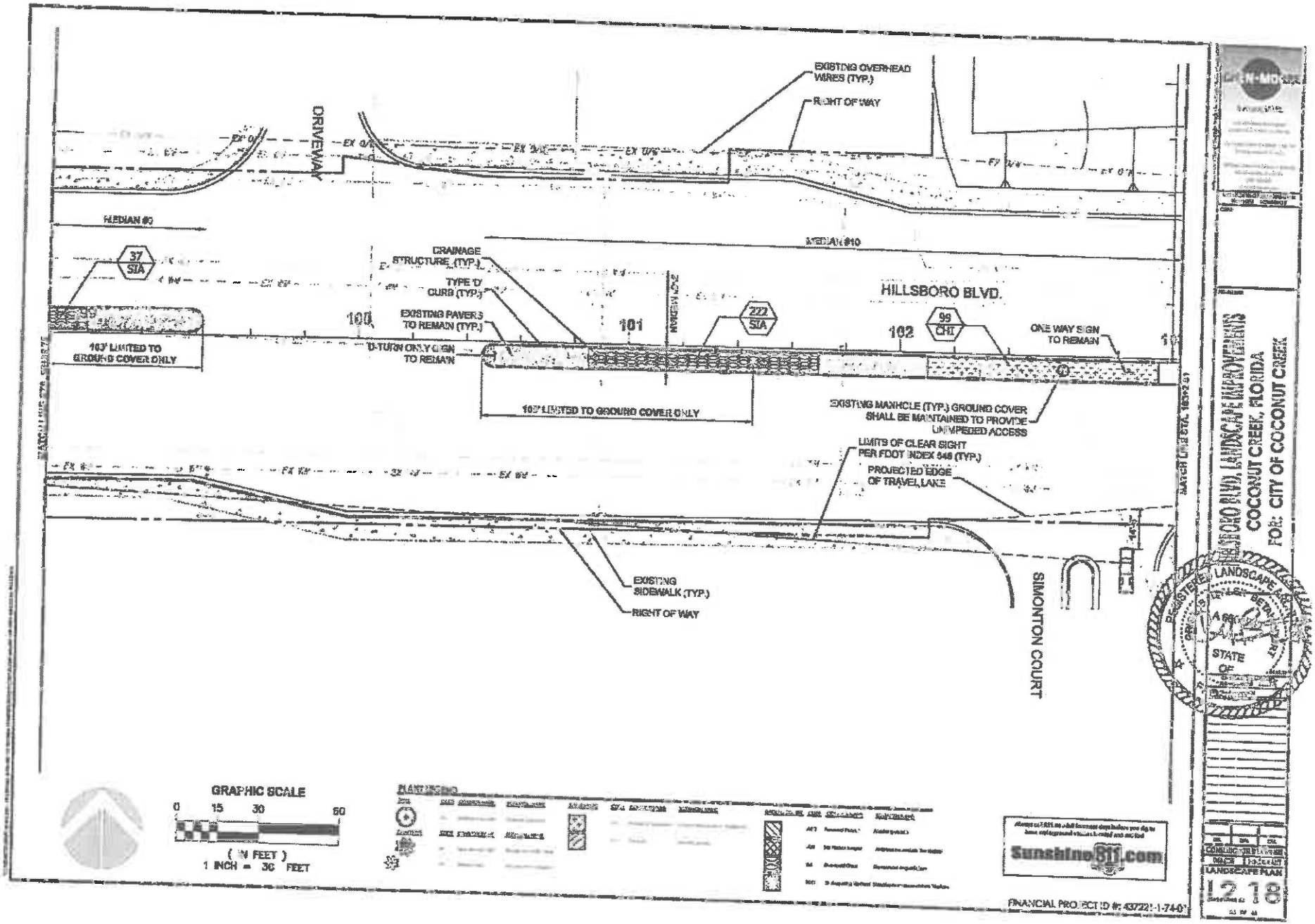
CHEN MOORE

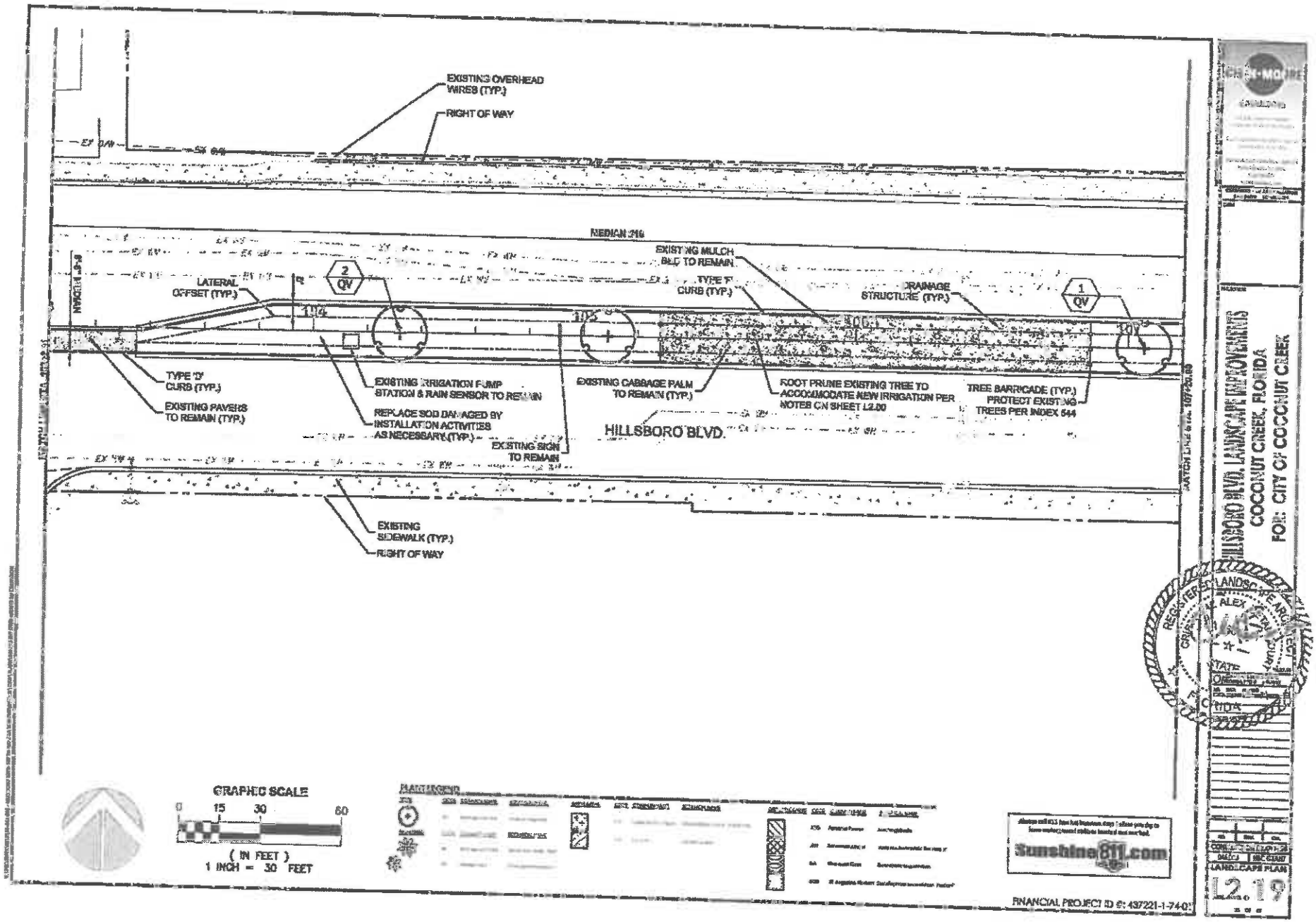
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

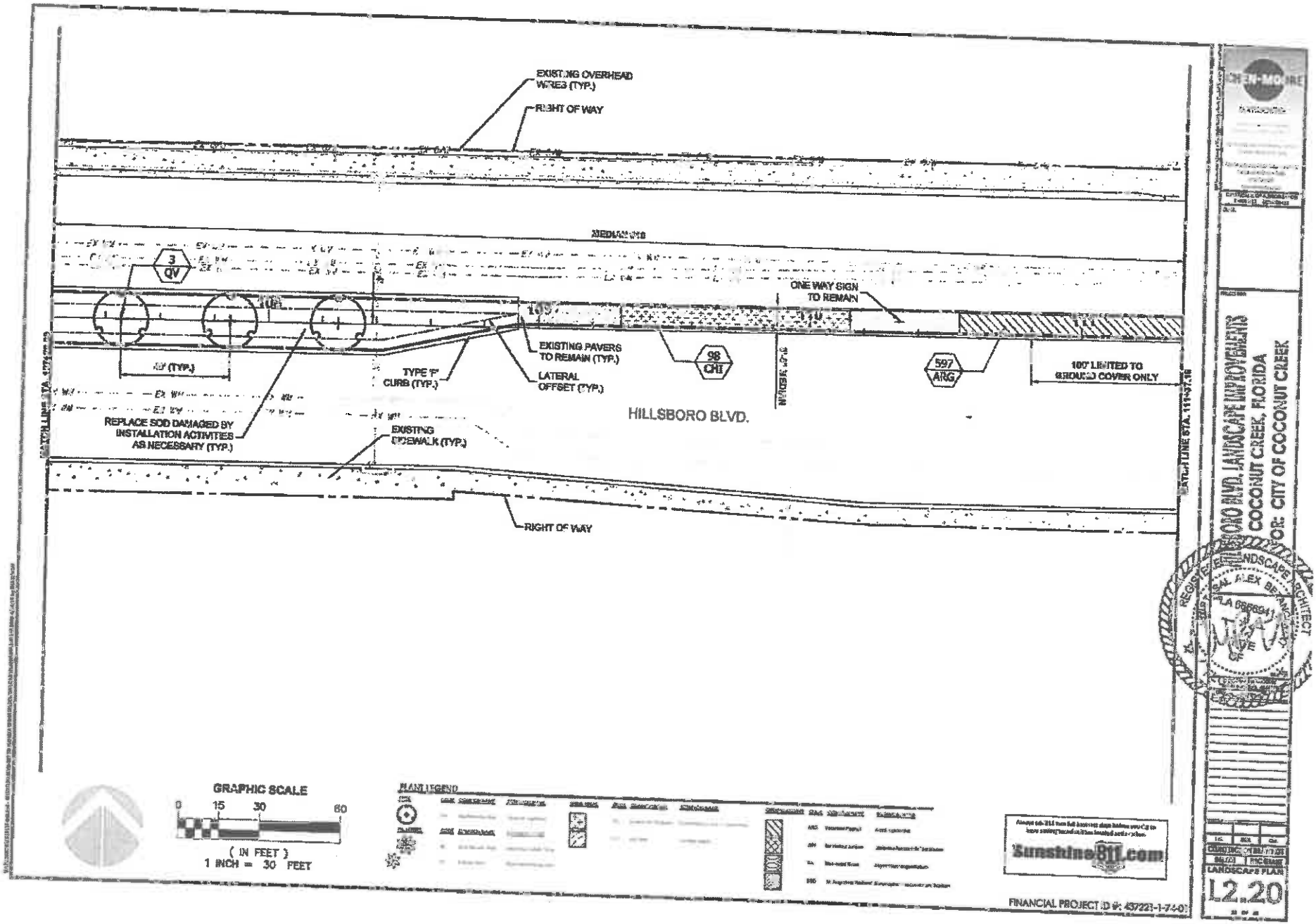
REGISTERED LANDSCAPE ARCHITECT
ALEX BEJAR
STATE OF FLORIDA

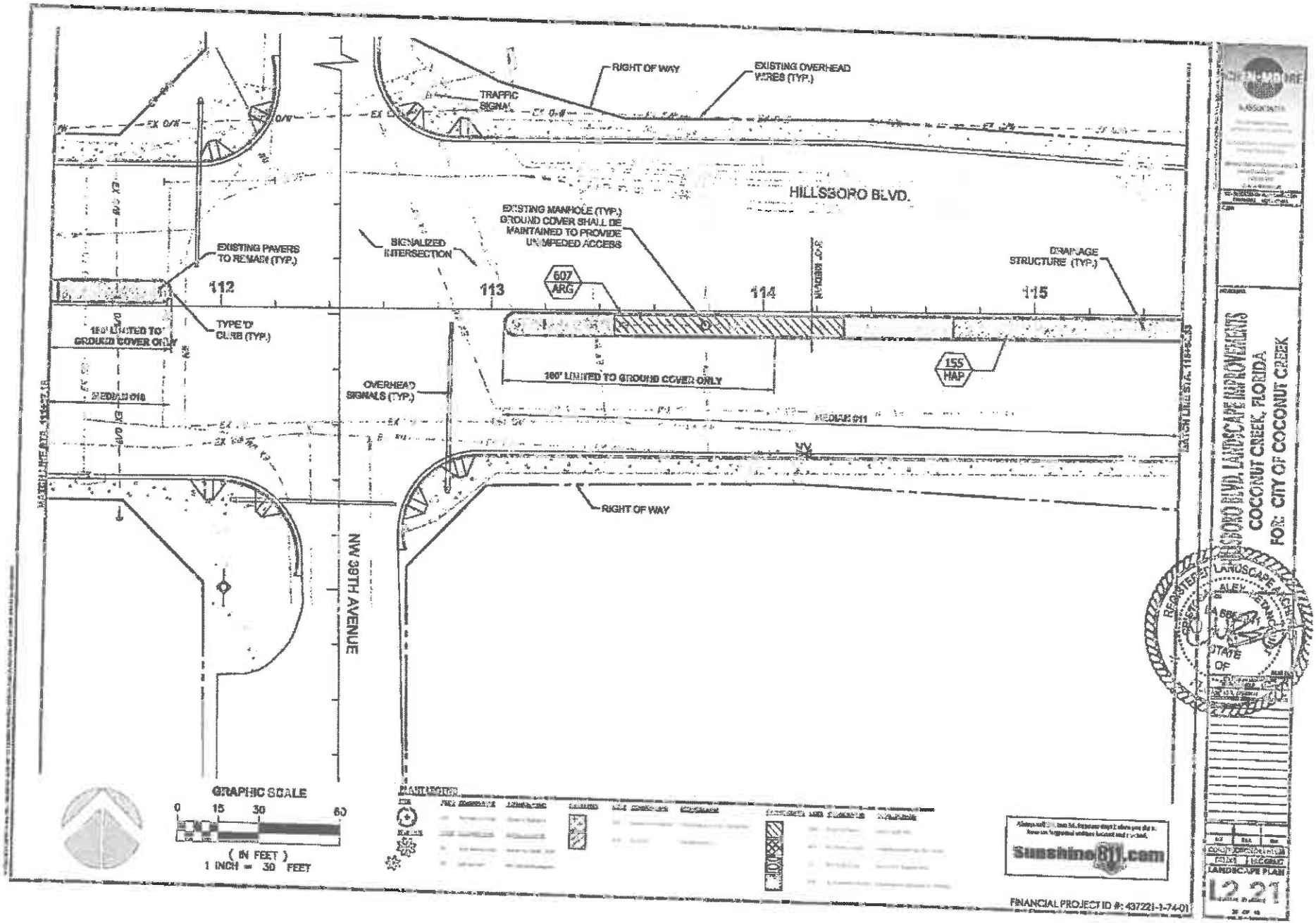
LANDSCAPE PLAN
L2.16


PARKING LOT EGRESS
EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
PARKING LOT INGRESS/EGRESS
MEDIAN
EXISTING SIGN TO REMAIN
LATERAL OFFSET (TYP.)
TYPE 'D' CURB (TYP.)
DRAINAGE STRUCTURE (TYP.)
159 STA
127 HAP
100' LIMITED TO GROUND COVER ONLY
EXISTING PAVERS TO REMAIN (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
TYPE 'F' CURB (TYP.)
2 ES
HILLSBORO BLVD.
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
STATE OF
LANDSCAPE PLAN
L2.17


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
DRIVEWAY
MEDIAN #9
MEDIAN #10
37 SIA
DRAINAGE STRUCTURE (TYP.)
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
100
101
222 SIA
HILLSBORO BLVD.
102
99 CHI
ONE WAY SIGN TO REMAIN
103' LIMITED TO GROUND COVER ONLY
U-TURN ONLY SIGN TO REMAIN
102' LIMITED TO GROUND COVER ONLY
EXISTING MANHOLE (TYP.) GROUND COVER SHALL BE MAINTAINED TO PROVIDE UNIMPEDED ACCESS
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
PROJECTED EDGE OF TRAVEL LANE
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
SIMONTON COURT
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANTING
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
LANDSCAPE PLAN
L2.18


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN #16
EXISTING MULCH BED TO REMAIN
LATERAL OFFSET (TYP.)
TYPE F CURB (TYP.)
DRAINAGE STRUCTURE (TYP.)
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
EXISTING IRRIGATION PUMP STATION & RAIN SENSOR TO REMAIN
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
EXISTING SIGN TO REMAIN
EXISTING CABBAGE PALM TO REMAIN (TYP.)
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
TREE BARRICADE (TYP.) PROTECT EXISTING TREES PER INDEX 544
HILLSBORO BLVD.
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.19
FINANCIAL PROJECT ID #: 437221-1-74-01

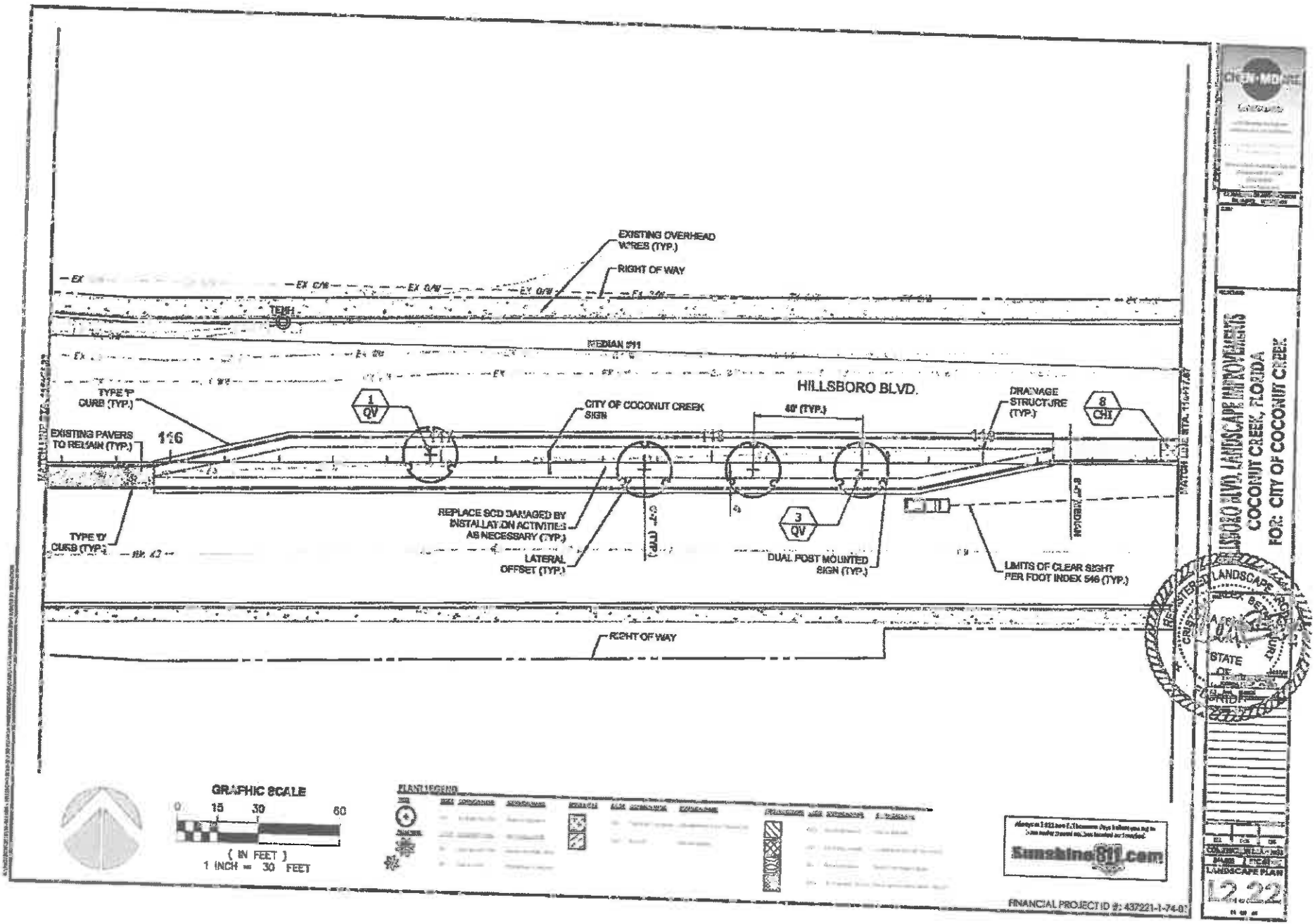

EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN VARIES
3 QV
10'
ONE WAY SIGN TO REMAIN
EXISTING PAVERS TO REMAIN (TYP.)
98 CHI
597 A/G
100' LIMITED TO GROUND COVER ONLY
TYPE 'F' CURB (TYP.)
LATERAL OFFSET (TYP.)
HILLSBORO BLVD.
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
EXISTING SIDEWALK (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
SunshineBIT.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BERMUDEZ
LA 0666941
STATE OF FLORIDA
LANDSCAPE PLAN
L2.20

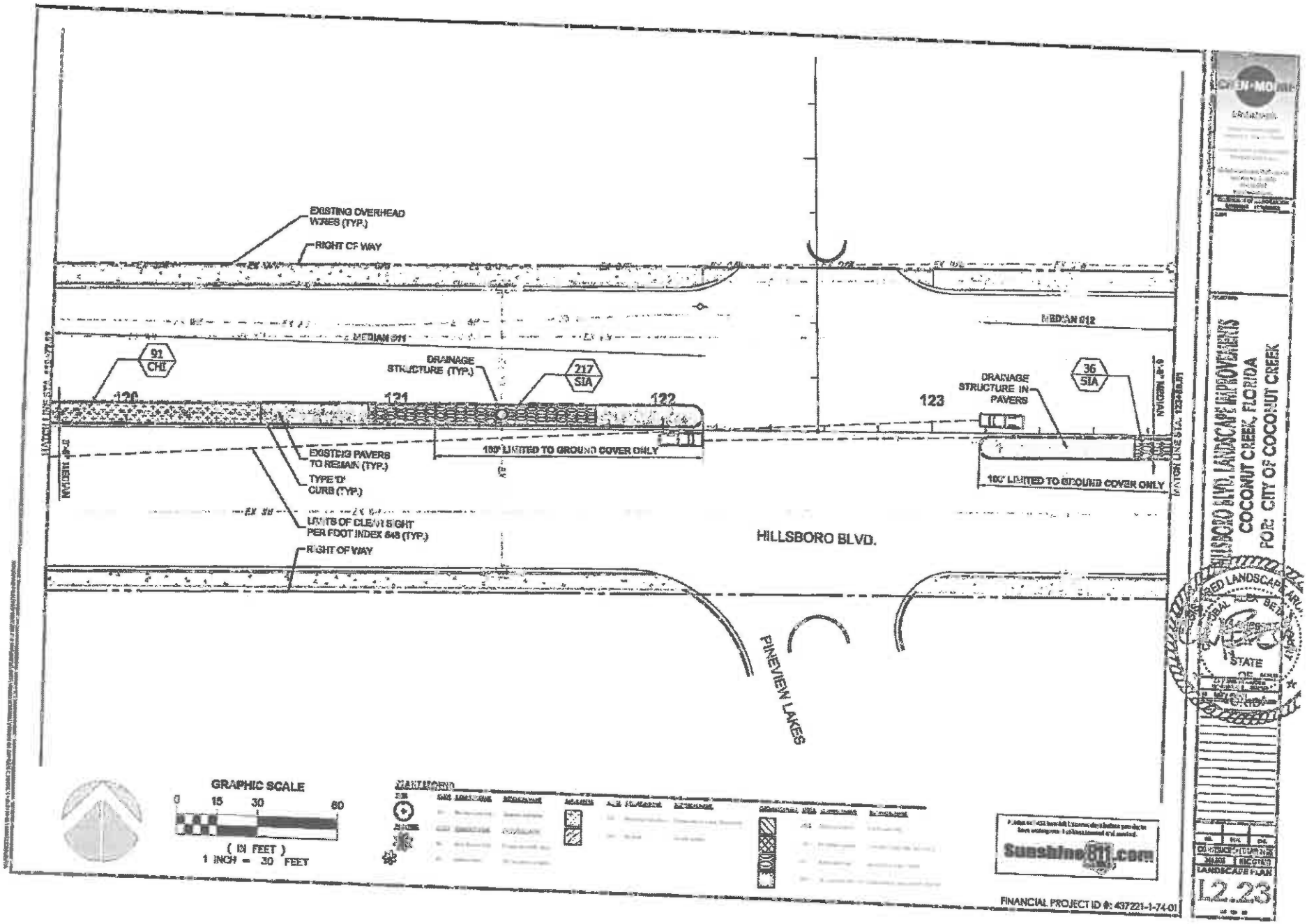


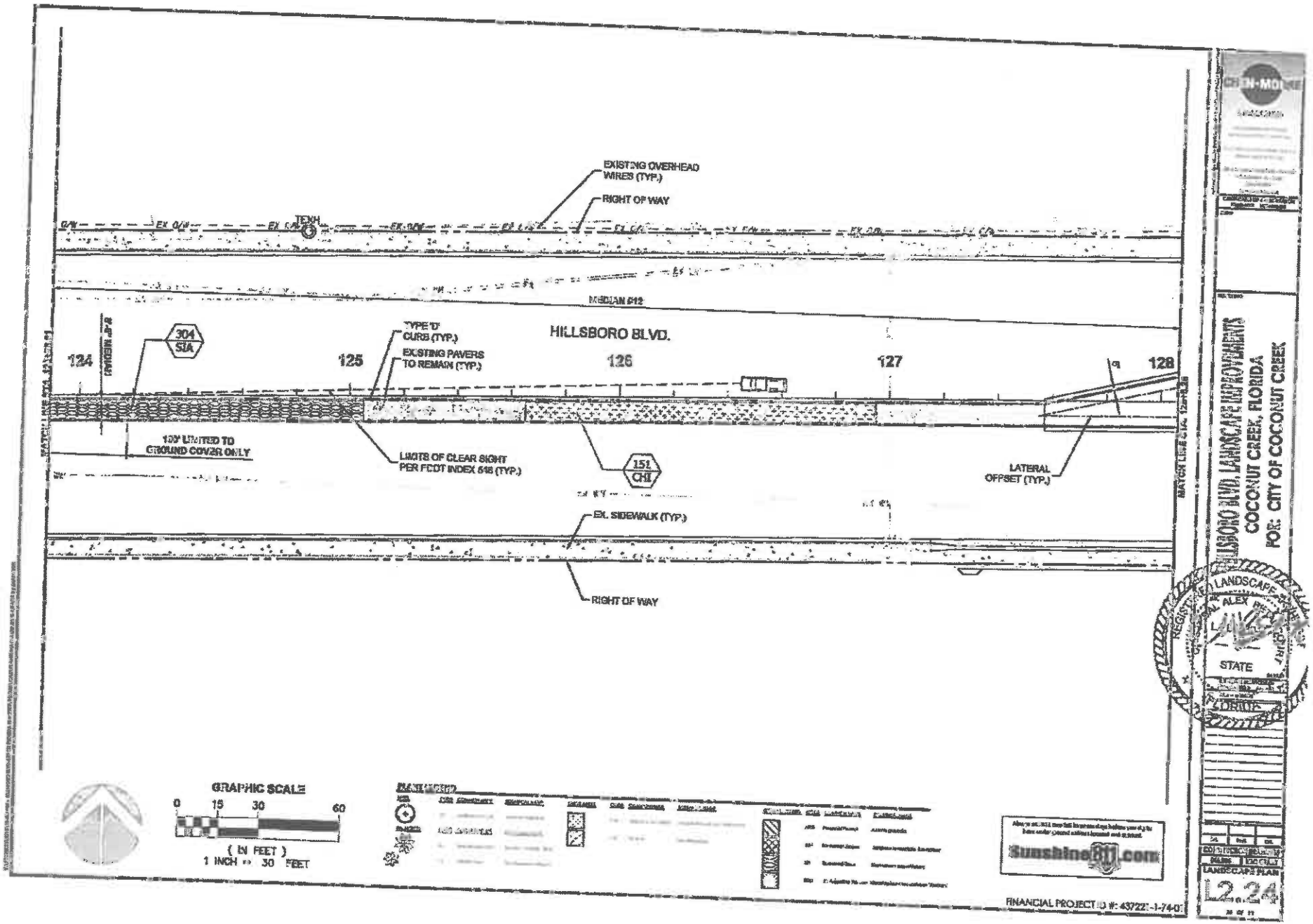
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

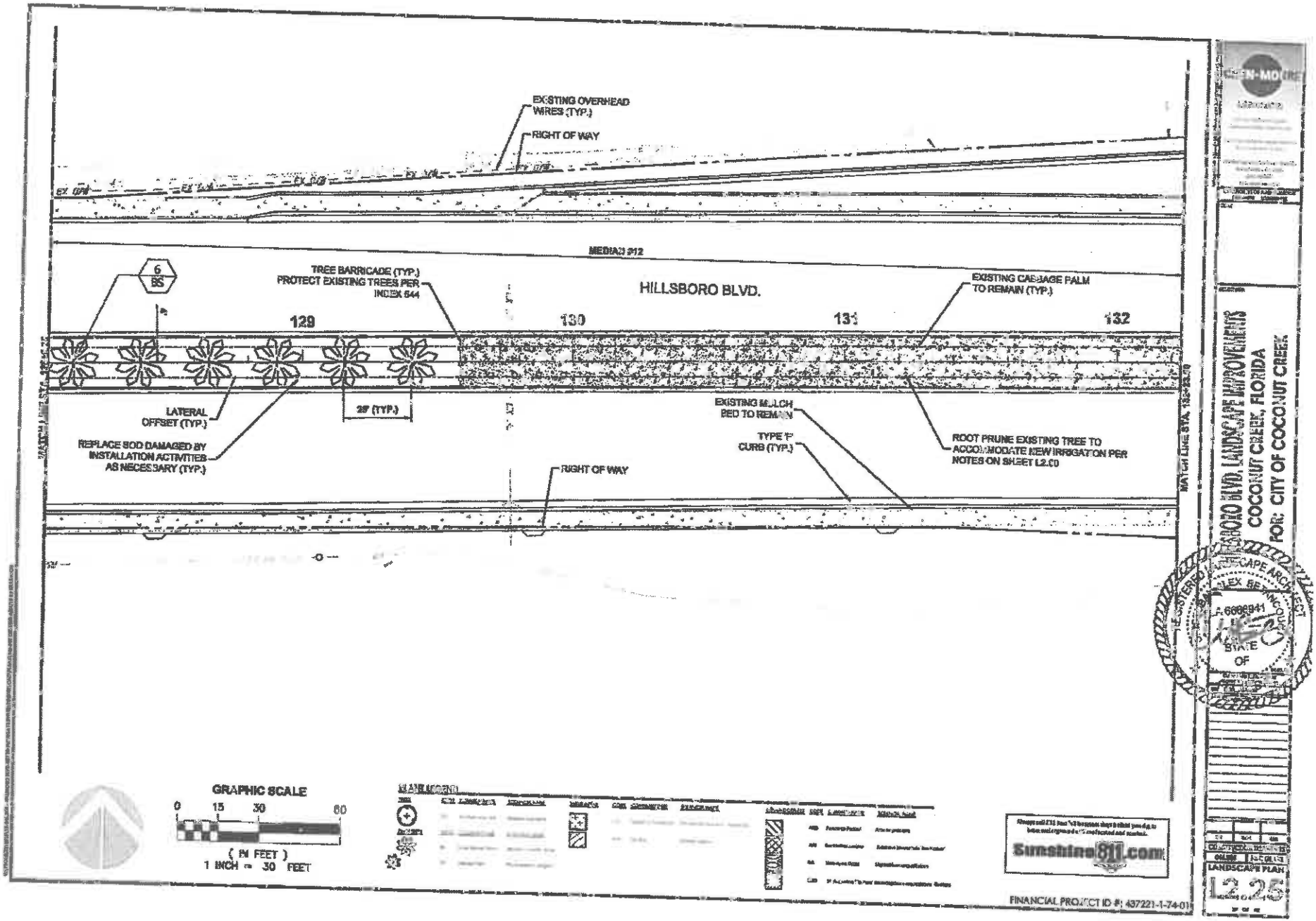
REGISTERED LANDSCAPE ARCHITECT
ALEX TECHNICO
LA 6667971
STATE OF

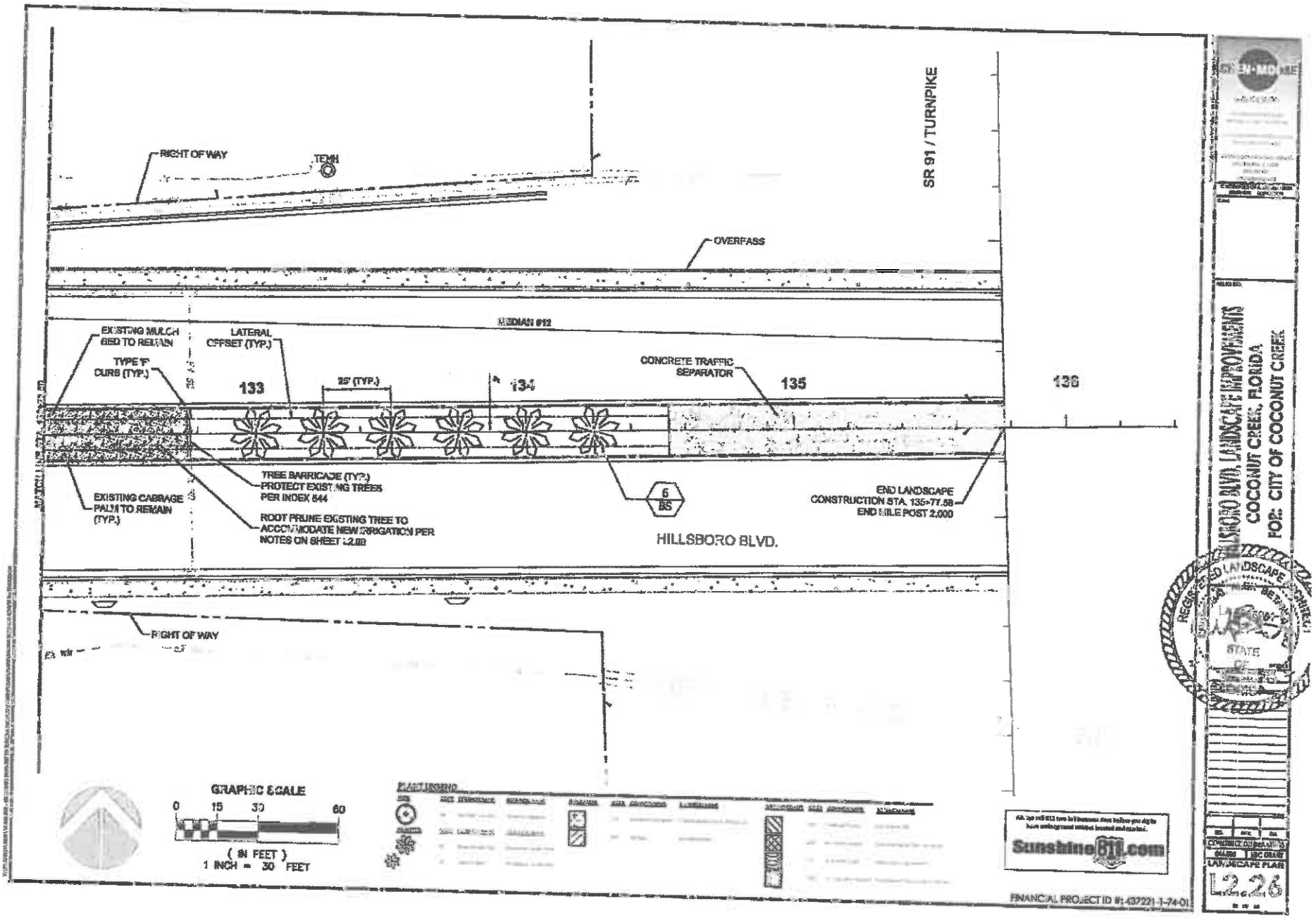
LANDSCAPE PLAN
L2.21


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN 511
HILLSBORO BLVD.
TYPE 'F' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
116
1 QV
CITY OF COCONUT CREEK SIGN
40' (TYP.)
DRAINAGE STRUCTURE (TYP.)
8 CHI
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
TYPE 'D' CURB (TYP.)
LATERAL OFFSET (TYP.)
3 QV
DUAL POST MOUNTED SIGN (TYP.)
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.22


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN 011
MEDIAN 012
91 CHE
DRAINAGE STRUCTURE (TYP.)
217 SIA
36 SIA
DRAINAGE STRUCTURE IN PAVERS
120
121
122
123
EXISTING PAVERS TO REMAIN (TYP.)
TYPE 'D' CURB (TYP.)
100' LIMITED TO GROUND COVER ONLY
100' LIMITED TO GROUND COVER ONLY
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
RIGHT OF WAY
HILLSBORO BLVD.
PINEVIEW LAKES
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.23


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
TEXH
MEDIAN #12
HILLSBORO BLVD.
TYPE 'D' CURB (TYP.)
EXISTING PAVERS TO REMAIN (TYP.)
124
125
126
127
128
304 SIA
100' LIMITED TO GROUND COVER ONLY
LIMITS OF CLEAR SIGHT PER FDOT INDEX 546 (TYP.)
151 CHI
LATERAL OFFSET (TYP.)
EX. SIDEWALK (TYP.)
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 43722-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
LANDSCAPE PLAN
L2.24


EXISTING OVERHEAD WIRES (TYP.)
RIGHT OF WAY
MEDIAN #12
HILLSBORO BLVD.
TREE BARRICADE (TYP.) PROTECT EXISTING TREES PER INDEX 544
EXISTING CABBAGE PALM TO REMAIN (TYP.)
129
130
131
132
LATERAL OFFSET (TYP.)
REPLACE SOD DAMAGED BY INSTALLATION ACTIVITIES AS NECESSARY (TYP.)
25' (TYP.)
EXISTING MULCH BED TO REMAIN
TYPE 'F' CURB (TYP.)
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
RIGHT OF WAY
MATCH LINE STA. 133+22.70
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.25


RIGHT OF WAY
TEMH
SR 91 / TURNPIKE
OVERPASS
MEDIAN #12
EXISTING MULCH BED TO REMAIN
TYPE 'F' CURB (TYP.)
LATERAL OFFSET (TYP.)
133
25' (TYP.)
134
CONCRETE TRAFFIC SEPARATOR
135
136
TREE BARRICADE (TYP.) PROTECT EXISTING TREES PER INDEX 544
ROOT PRUNE EXISTING TREE TO ACCOMMODATE NEW IRRIGATION PER NOTES ON SHEET L2.00
EXISTING CABBAGE PALM TO REMAIN (TYP.)
6 BS
END LANDSCAPE CONSTRUCTION STA. 135+77.58 END MILE POST 2.000
HILLSBORO BLVD.
RIGHT OF WAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
PLANT LEGEND
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
REGISTERED LANDSCAPE ARCHITECT
STATE OF FLORIDA
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
LANDSCAPE PLAN
L2.26

GENERAL NOTES

1. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
2. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ASSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
3. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH FPL ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
4. CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF POWER LINES.
5. MAINLINE LOCATION, WHERE SHOWN, IS FOR GRAPHIC CLARITY PURPOSES ONLY. INSTALL AT THE BACK OF CURB, FRONT OF WALK, BACK OF WALK, OR ADJACENT TO OTHER HARDSCAPES TO FACILITATE FUTURE LOCATION AND TO PROTECT FROM DAMAGE. ENSURE MAINLINE IS INSTALLED ACCORDING TO THE IRRIGATION SPECIFICATIONS AND DETAILS.
6. IF IT IS NECESSARY TO HAVE PIPING UNDER HARDSCAPE AREAS SUCH AS ROADS, WALKS AND PATIOS, THE PIPES MUST BE SLEEVED USING SCH 40 PVC WITH THE SLEEVE DIAMETER BEING AT LEAST TWICE THE SIZE OF THE PIPE IT IS CARRYING.
7. ANY MAJOR DESIGN CHANGES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OF RECORD PRIOR TO CONSTRUCTION. CONTRACTOR PROCEEDS WITH CHANGES AT OWN RISK.
8. NO SUBSTITUTIONS SHALL BE PERMITTED EXCEPT WITH WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT OF RECORD.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	PSI	PSI @ POC	GPM	PRECIP
A-1	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	44.44	64.28	[illegible]
A-2	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	41.47	[illegible]	[illegible]
A-3	Rain Bird PESB-PRS-D	2"	Turf Spray	39.34	40.39	[illegible]	1.40 in/h
A-4	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	43.01	[illegible]	[illegible]
A-5	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	17.34	[illegible]
A-6	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	[illegible]	[illegible]	1.40 in/h
A-7	Rain Bird PESB-PRS-D	2"	Turf Spray	40.19	[illegible]	[illegible]	[illegible]
A-8	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	[illegible]	28.17	1.44 in/h
A-9	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	[illegible]	[illegible]
B-1	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	[illegible]	[illegible]	[illegible]
B-2	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	[illegible]	[illegible]
B-3	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	41.22	[illegible]	[illegible]
B-4	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	[illegible]	1.34 in/h
B-5	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	[illegible]	[illegible]
B-6	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	43.12	[illegible]	[illegible]
B-7	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	40.23	62.30	[illegible]
B-8	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	37.80	16.40	[illegible]
B-9	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	38.20	28.40	1.37 in/h
B-10	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	47.17	78.22	[illegible]
B-11	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	[illegible]	25.40	[illegible]
B-12	Rain Bird PESB-PRS-D	2"	Shrub Spray	[illegible]	43.16	[illegible]	[illegible]
B-13	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	46.42	45.65	[illegible]
B-14	Rain Bird PESB-PRS-D	2"	Turf Spray	[illegible]	[illegible]	44.35	[illegible]

IRRIGATION SCHEDULE

SYMBOL | MANUFACTURER/MODEL | QTY

[illegible]

SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY

[illegible] 23

[illegible]

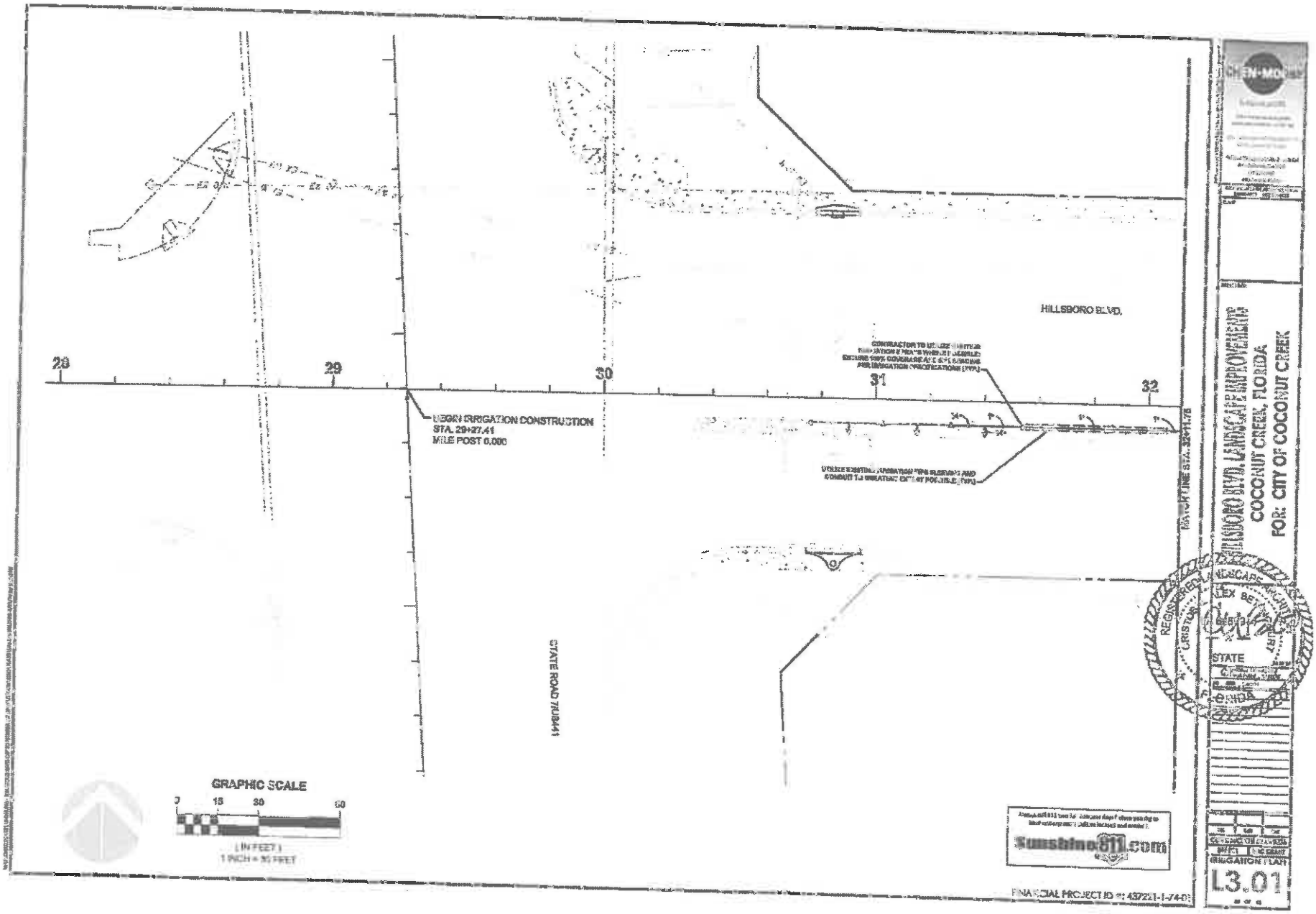
FINANCIAL PROJECT ID #: 437221-1-74-01

[illegible] BORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

REGISTERED LANDSCAPE ARCHITECT
STATE OF [illegible]

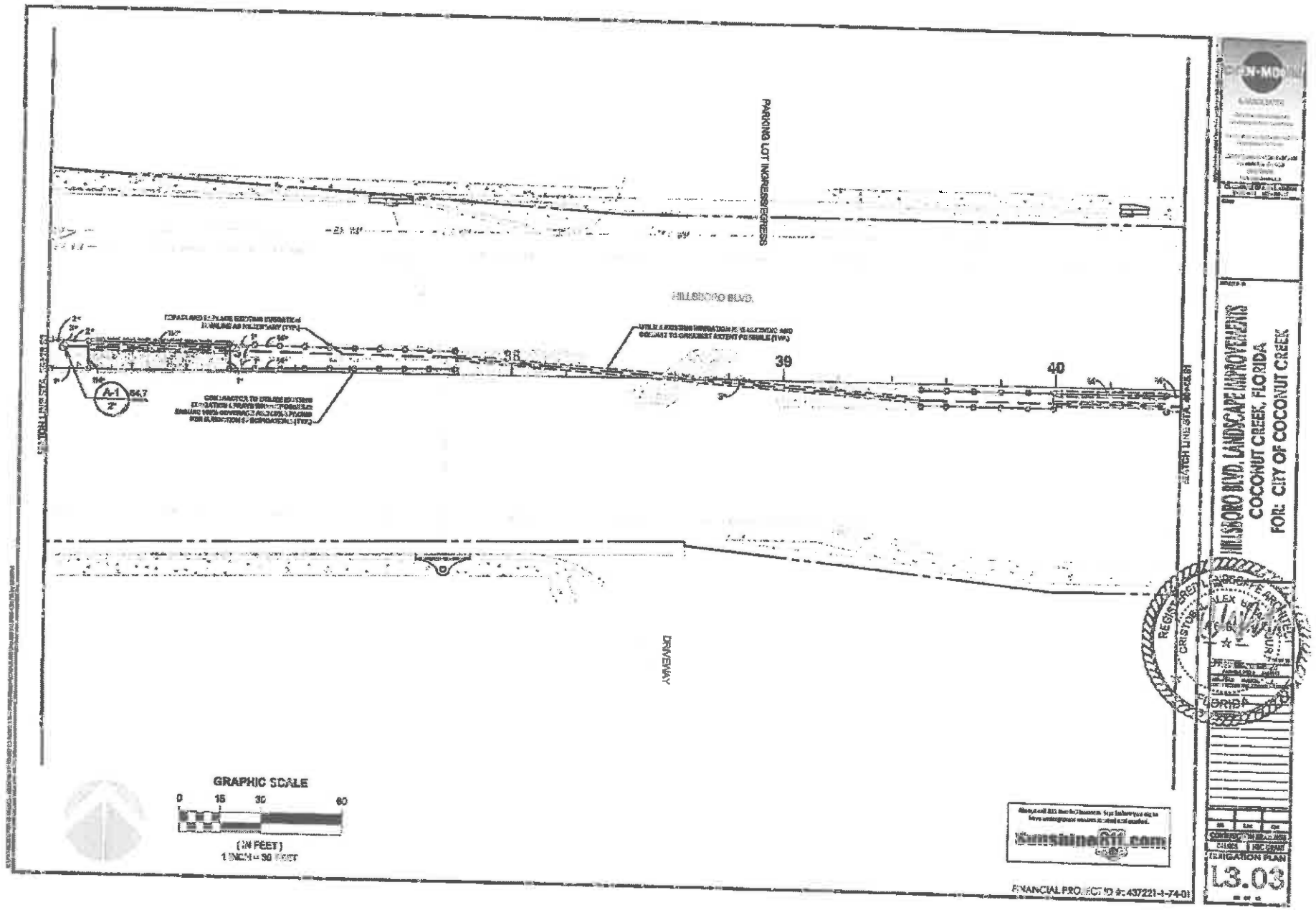
IRRIGATION [illegible]

L3.00



HILLSBORO BLVD.
28
29
30
31
32
BEGIN IRRIGATION CONSTRUCTION
STA. 29+27.41
MILE POST 0.000
STATE ROAD 7/US441
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
IRRIGATION PLAN
L3.01

PARKING LOT INGRESS/EGRESS
PARKING LOT EGRESS
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET
FINANCIAL PROJECT ID #: 437221-1-74-01
13.02



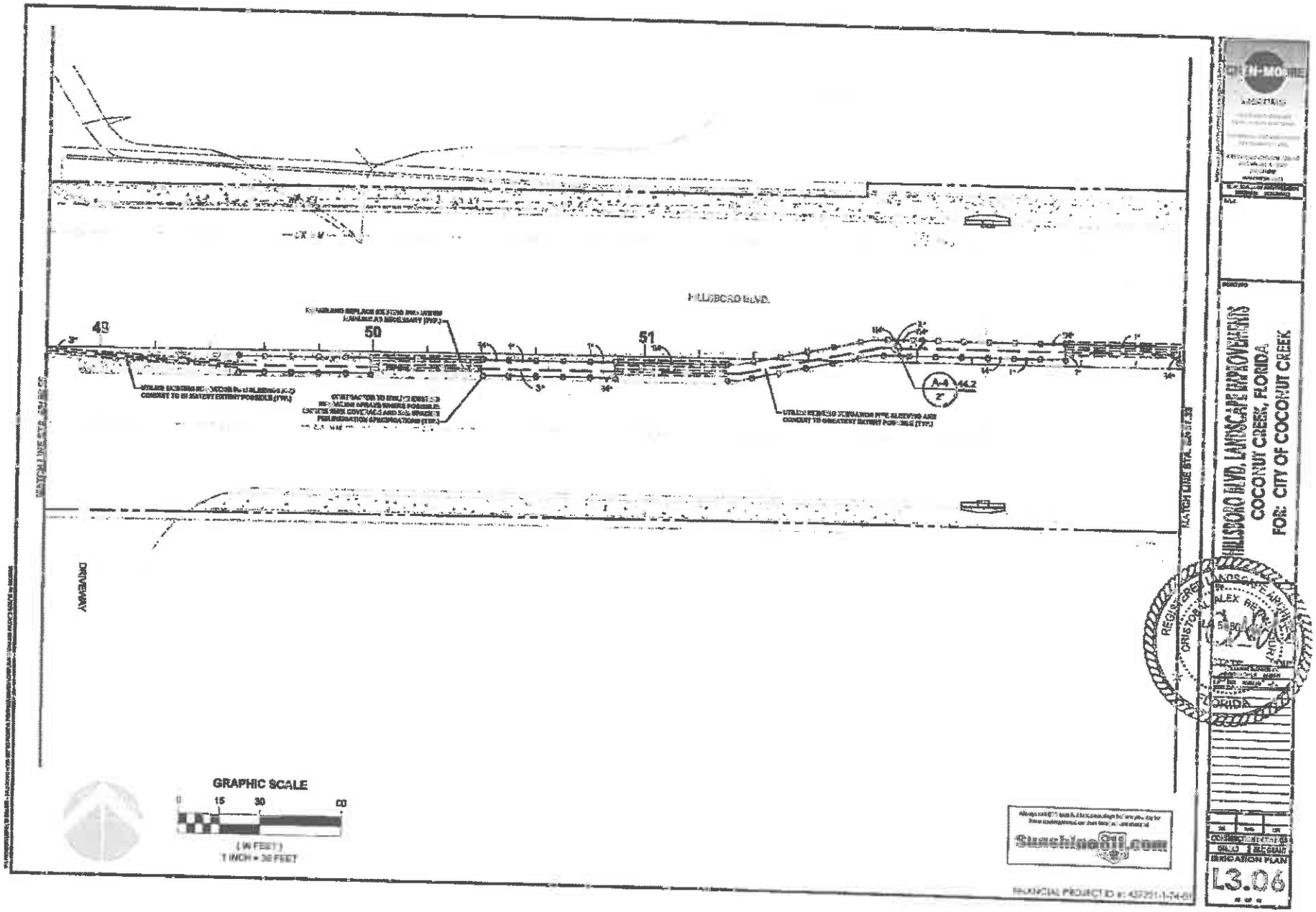
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

IRRIGATION PLAN
L3.03

FINANCIAL PROJECT ID #: 437221-1-74-01

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
IRRIGATION PLAN
L3.04
PARKING LOT EGRESS
PARKING LOT INGRESS/EGRESS
HILLSBORO BLVD.
GRAPHIC SCALE
(IN FEET)
1 INCH = 30 FEET
FINANCIAL PROJECT ID #: 437221-1-74-01

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
L3.05
DRIVEWAY
DRIVEWAY
DRIVEWAY
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET

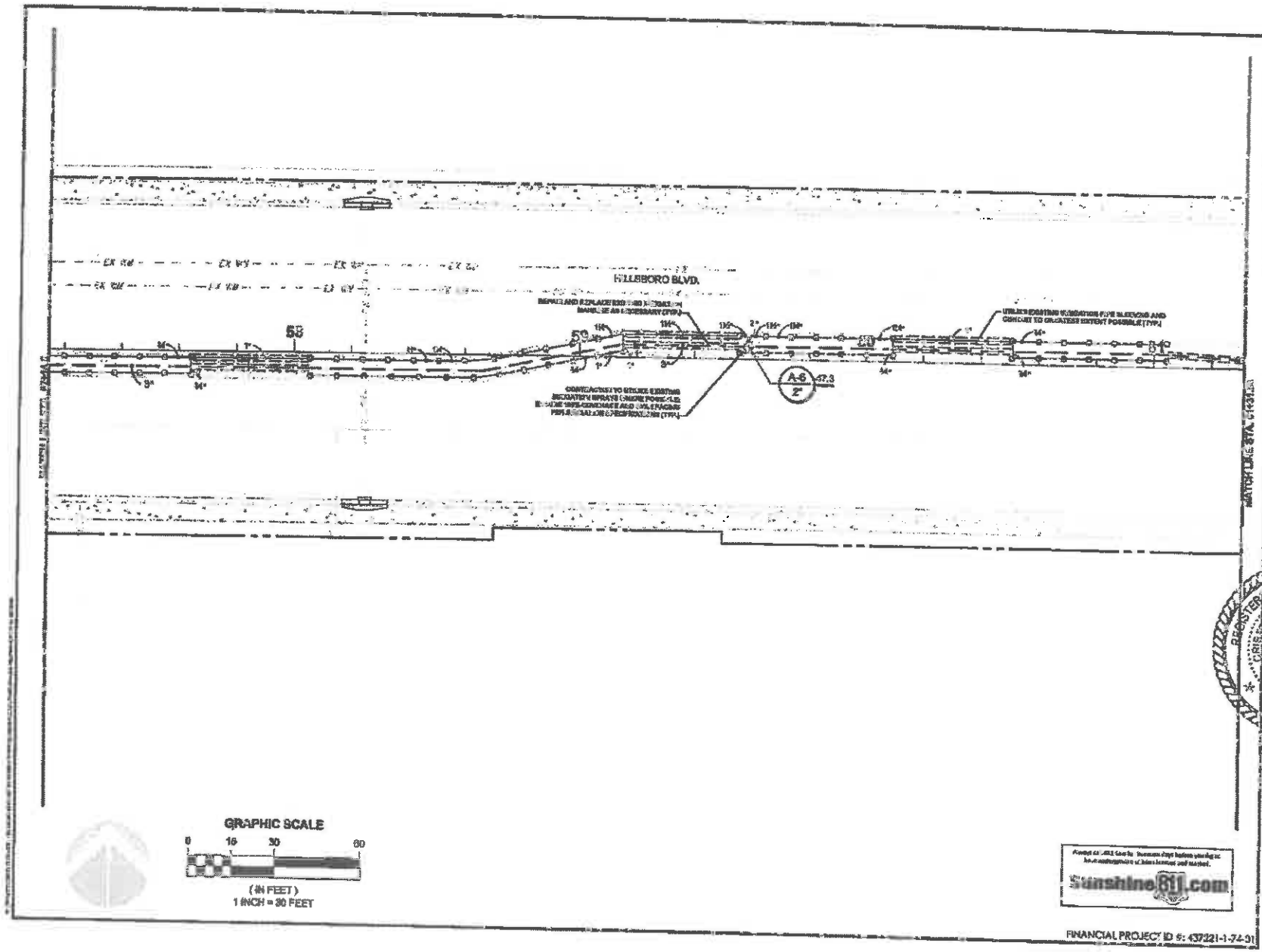


HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

IRRIGATION PLAN

L3.06

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED
NW 61ST TER.
NW 61ST TER.
HILLSBORO BLVD.
GRAPHIC SCALE
(IN FEET)
1 INCH = 30 FEET
13.07

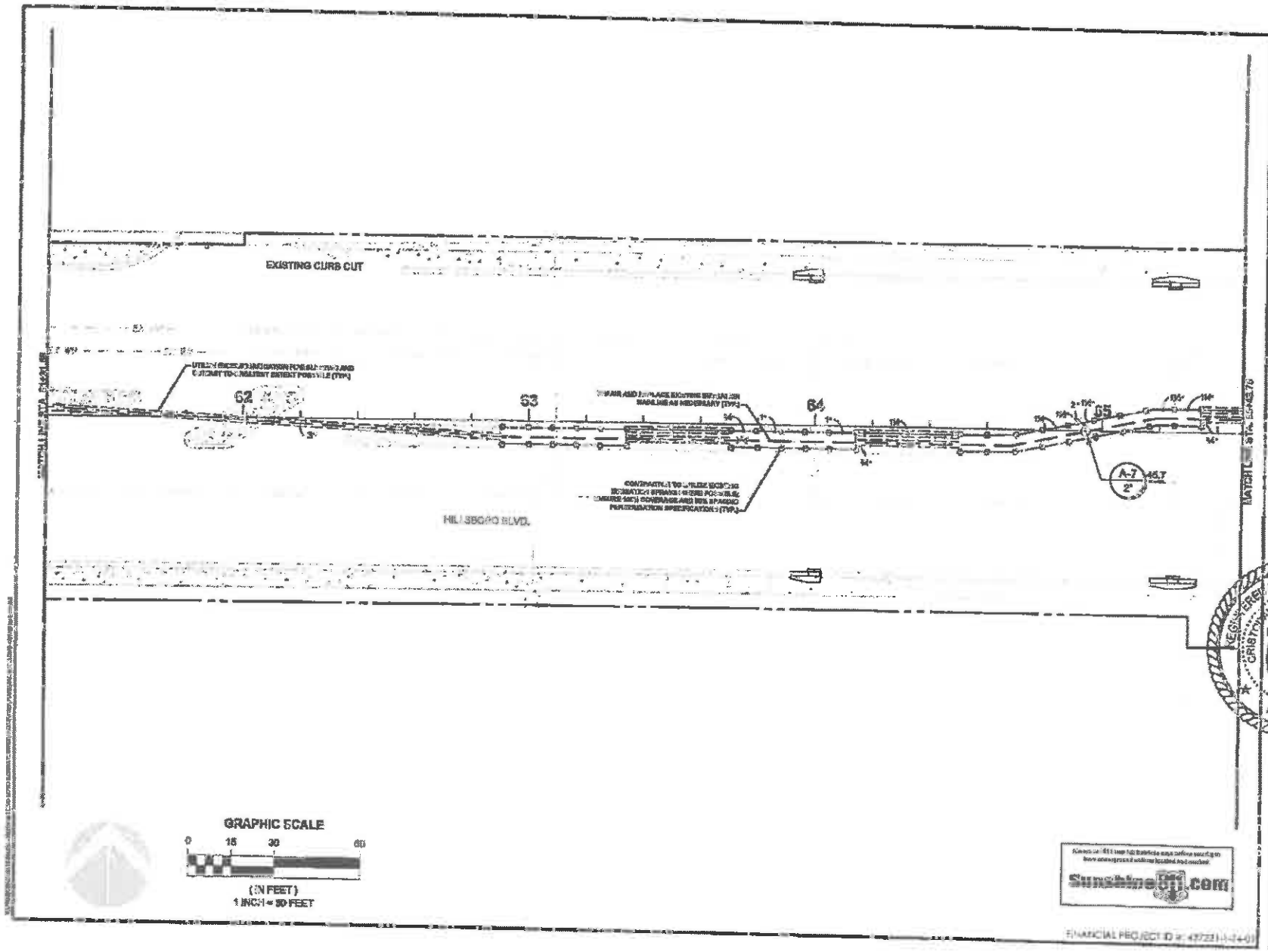


HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

IRRIGATION PLAN

L3.09

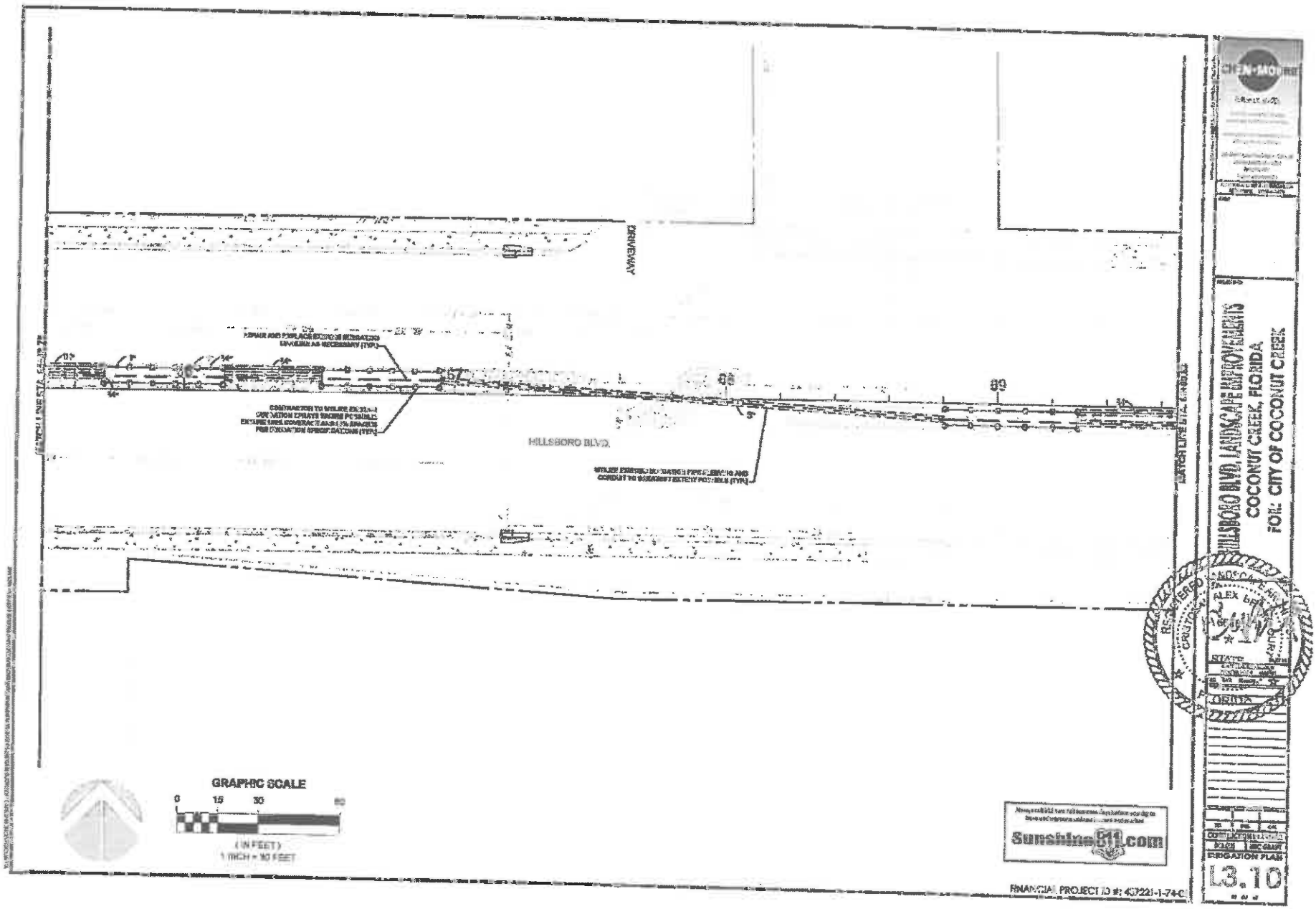
FINANCIAL PROJECT ID #: 437221-1-74-01



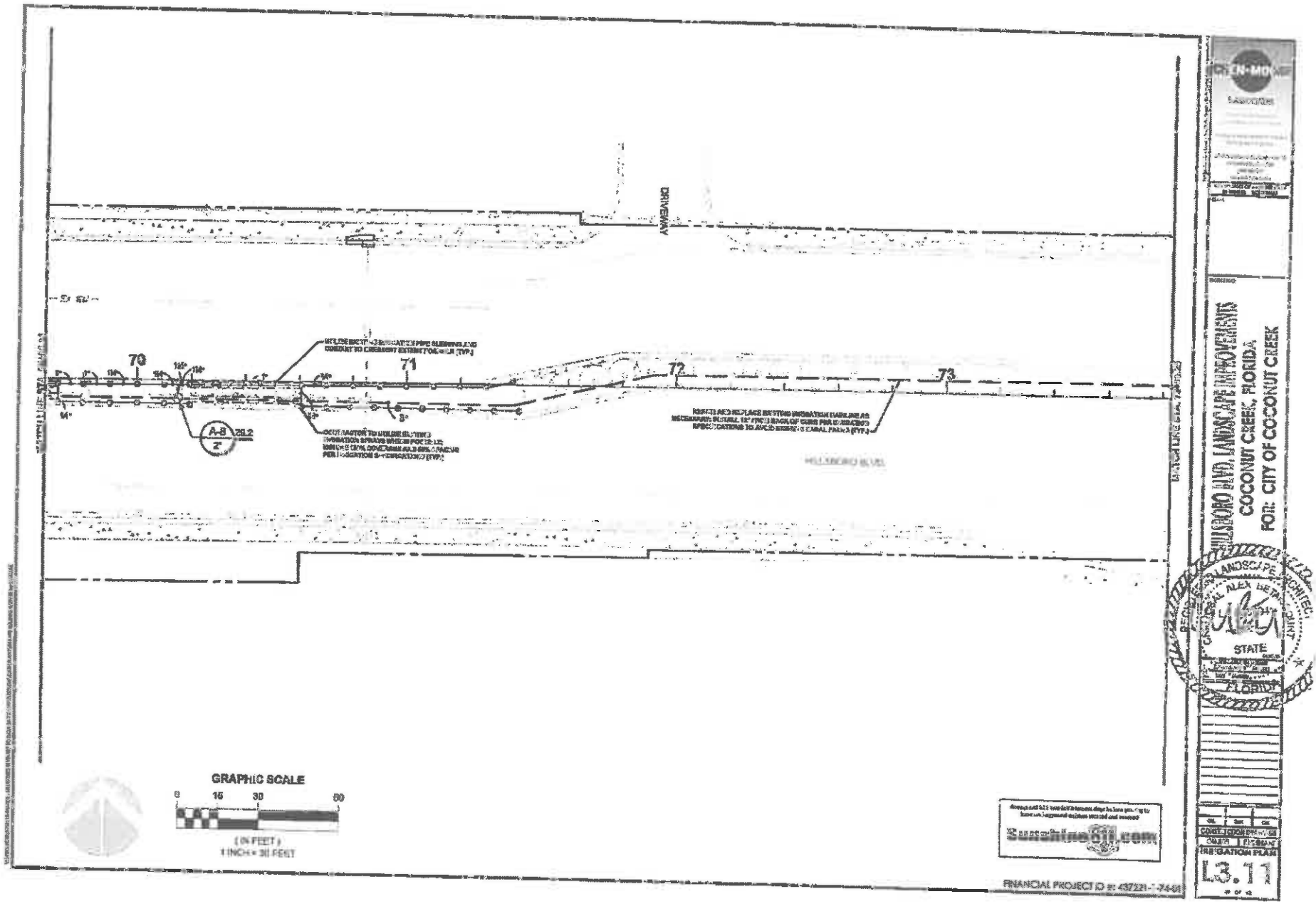
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

IRRIGATION PLAN

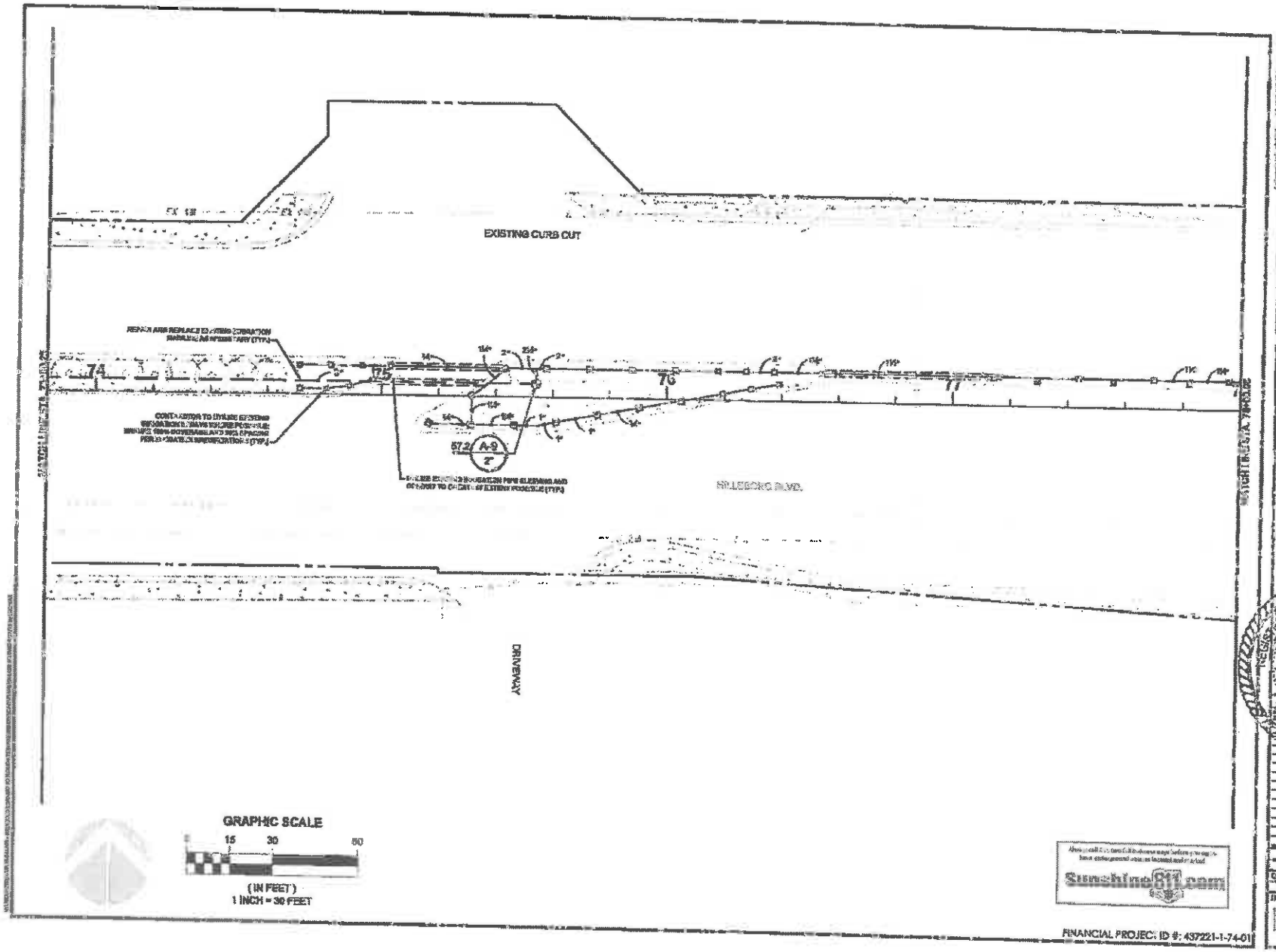
L3.09



DRIVEWAY
HILLSBORO BLVD.
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
CHEN-MOORE
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
ORIDA
IRRIGATION PLAN
L3.10



DRIVEWAY
70
71
72
73
A-8
2'
28.2
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
FLORIDA
IRRIGATION PLAN
L3.11



CHEN-MOORE

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

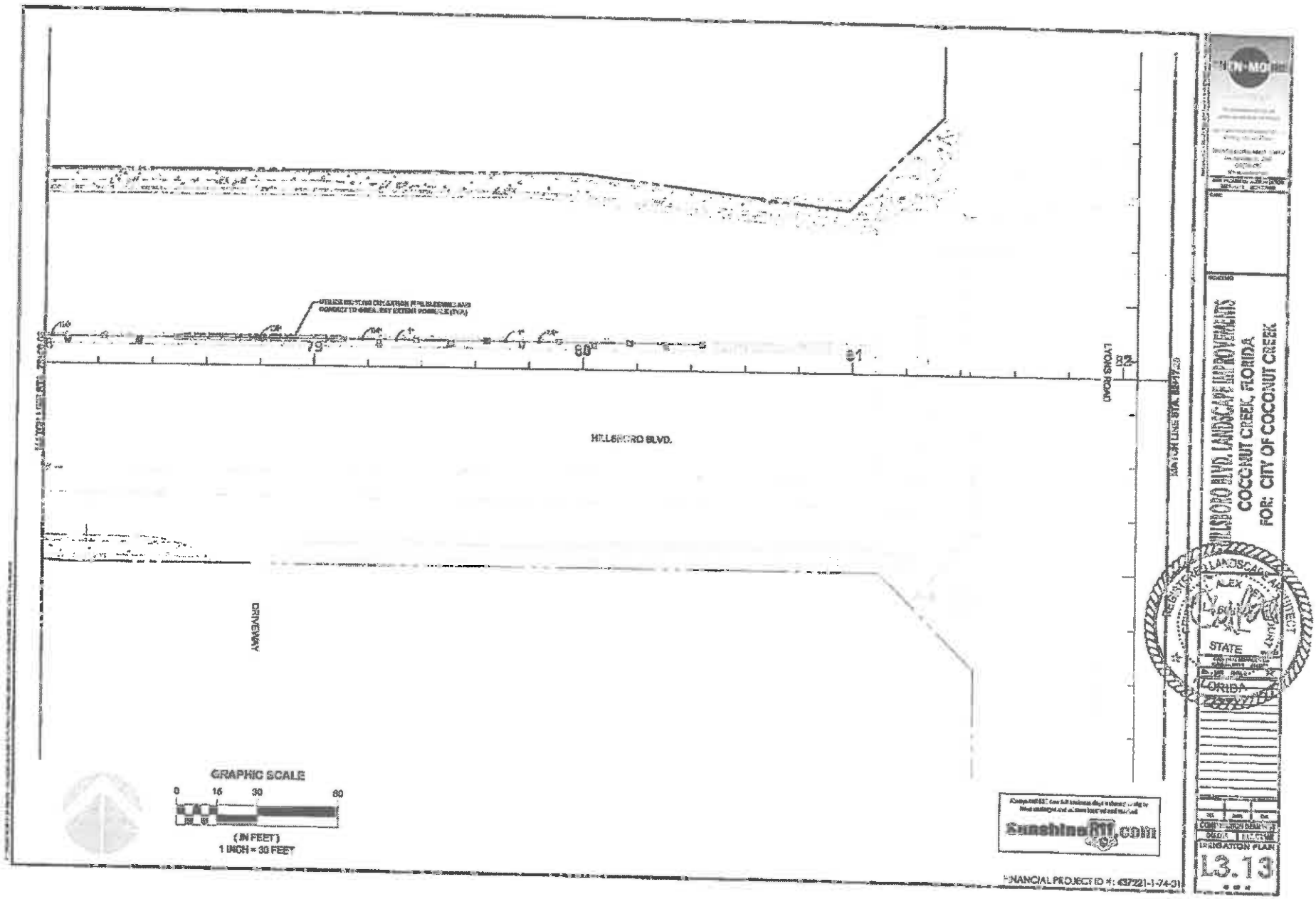
REGISTERED LANDSCAPE ARCHITECT
ALEX BE
STATE OF FLORIDA

Sunshine811.com

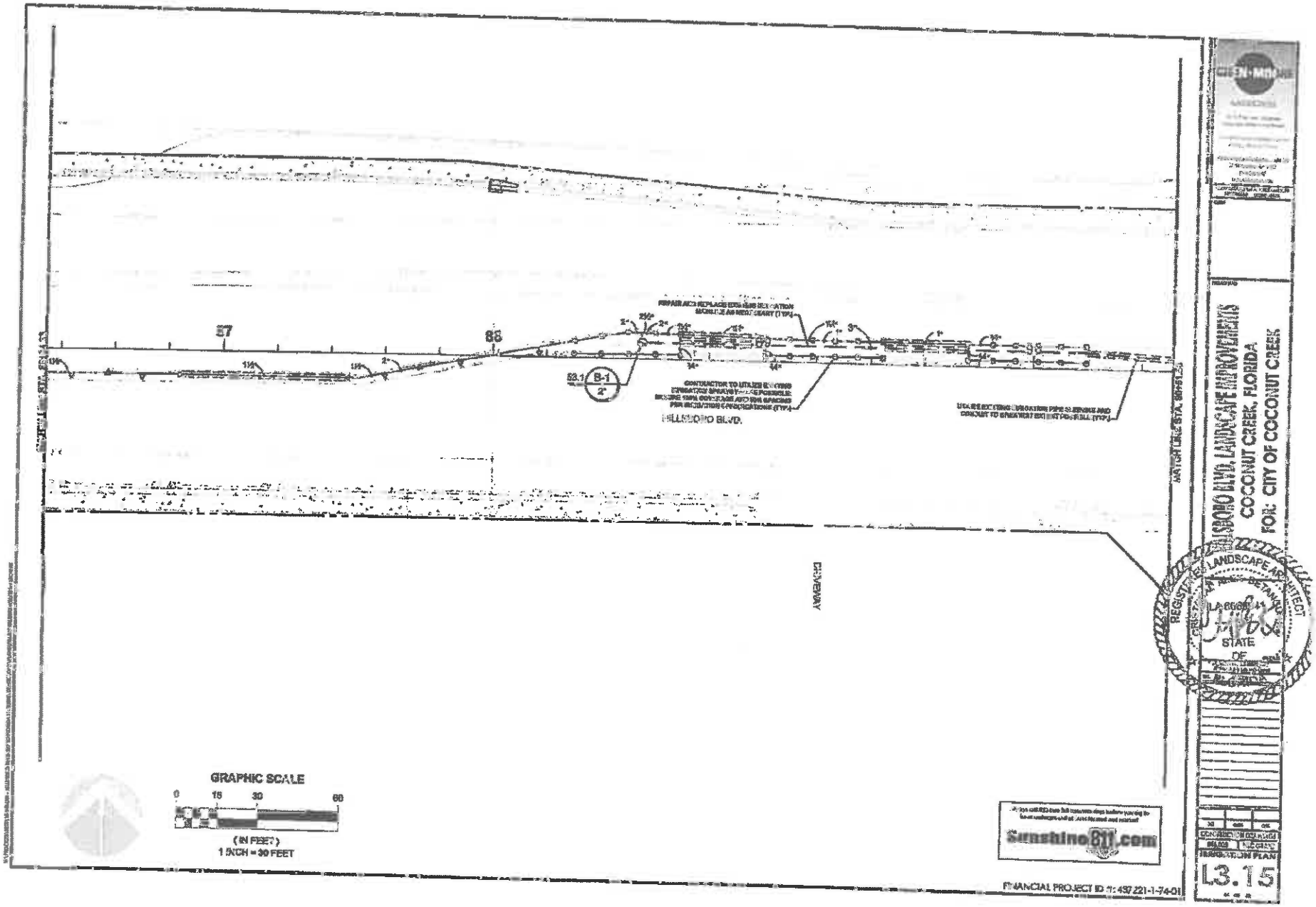
FINANCIAL PROJECT ID #: 437221-1-74-01

IRRIGATION PLAN

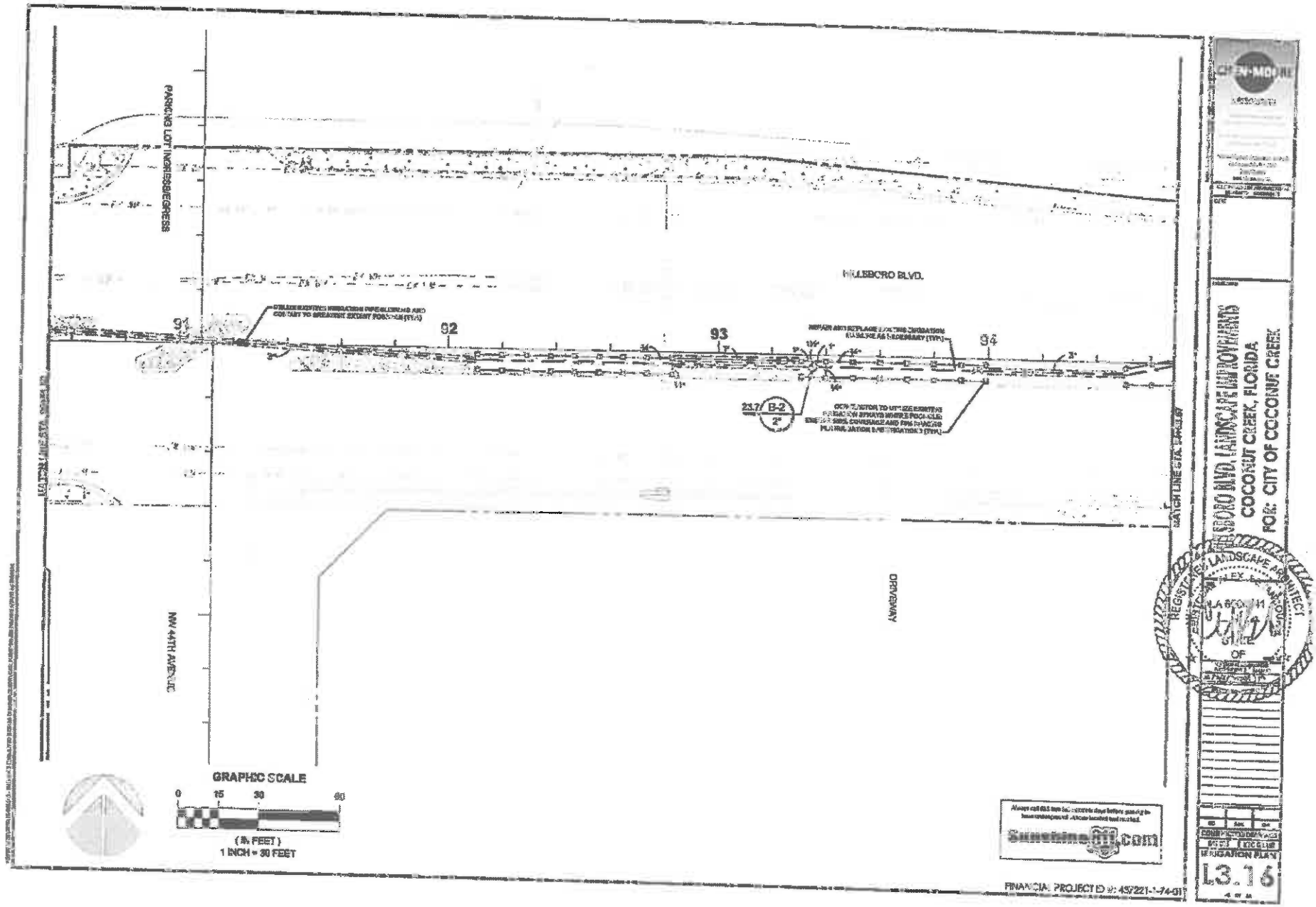
L3.12


HILLSBORO BLVD.
LYONS ROAD
DRIVEWAY
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
FLORIDA
IRRIGATION PLAN
L3.13

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
L3.14
PARKING LOT INGRESS/EGRESS
DRIVEWAY
HILLSBORO BLVD.
LYONS ROAD
66
65
64
63
GRAPHIC SCALE
(IN FEET)
1 INCH = 30 FEET



57
88
53.1
B-1
2"
HILLSBORO BLVD.
CONTRACTOR TO UTILIZE EXISTING IRRIGATION SPRAYS WHERE POSSIBLE. MISSING SIGN COVERAGE AND SIGN SPACING FOR IRRIGATION CONSTRUCTIONS (TYP.)
UTILIZE EXISTING IRRIGATION PIPE SLEEVING AND CONDUIT TO GREATEST EXTENT POSSIBLE (TYP.)
MATCH LINE STA. 50+51.25
CRIVEWAY
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
GREEN-MOORE
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
STATE
OF
IRRIGATION PLAN
L3.15



CHEN MOORE

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

REGISTERED LANDSCAPE ARCHITECT
STATE OF FLORIDA

IRRIGATION PLAN

L3.16

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

L3.17

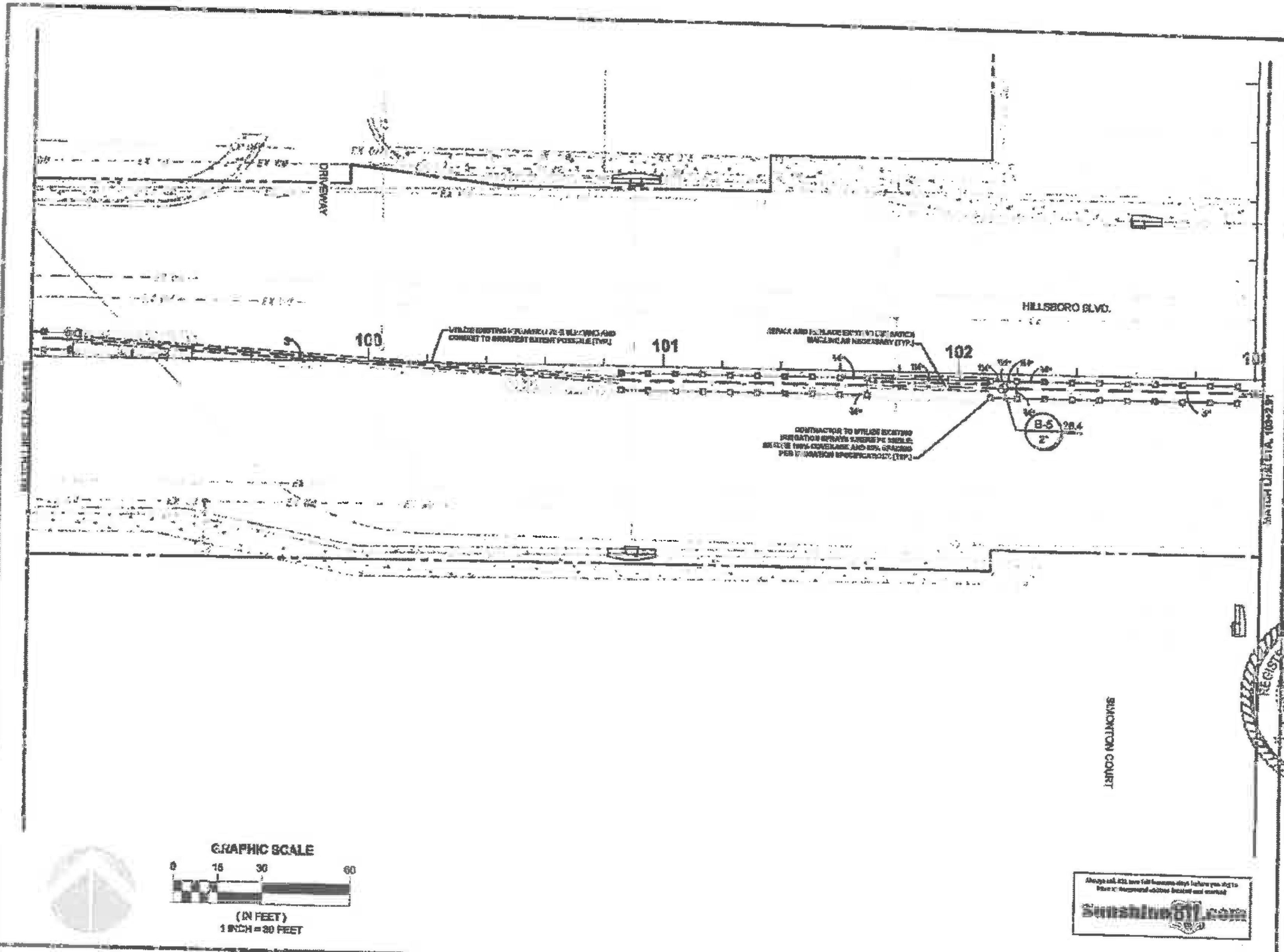
FINANCIAL PROJECT ID #: 437221-1-74-01

DRIVEWAY

PARKING LOT INGRESS/EGRESS

PARKING LOT EGRESS

GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET

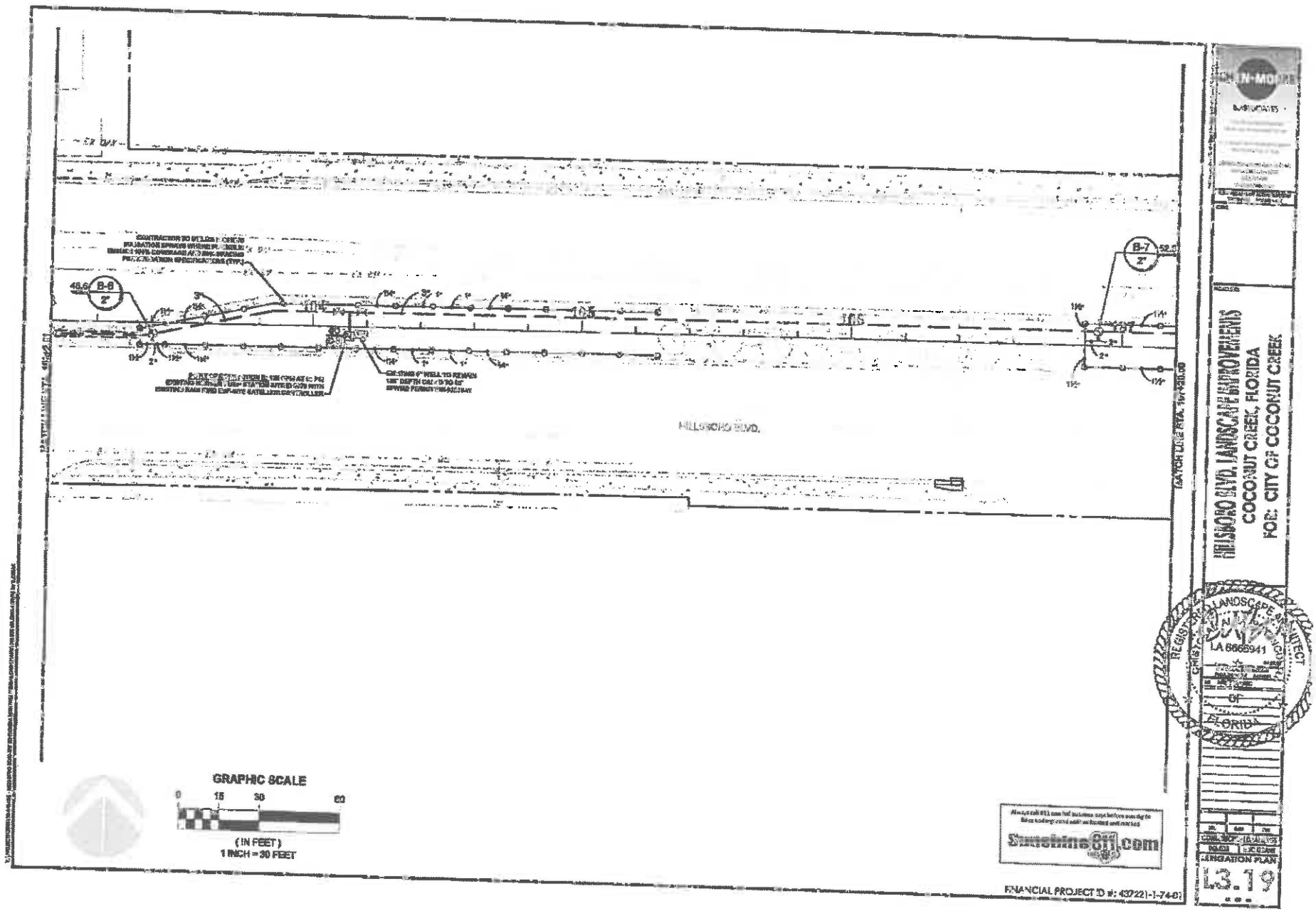


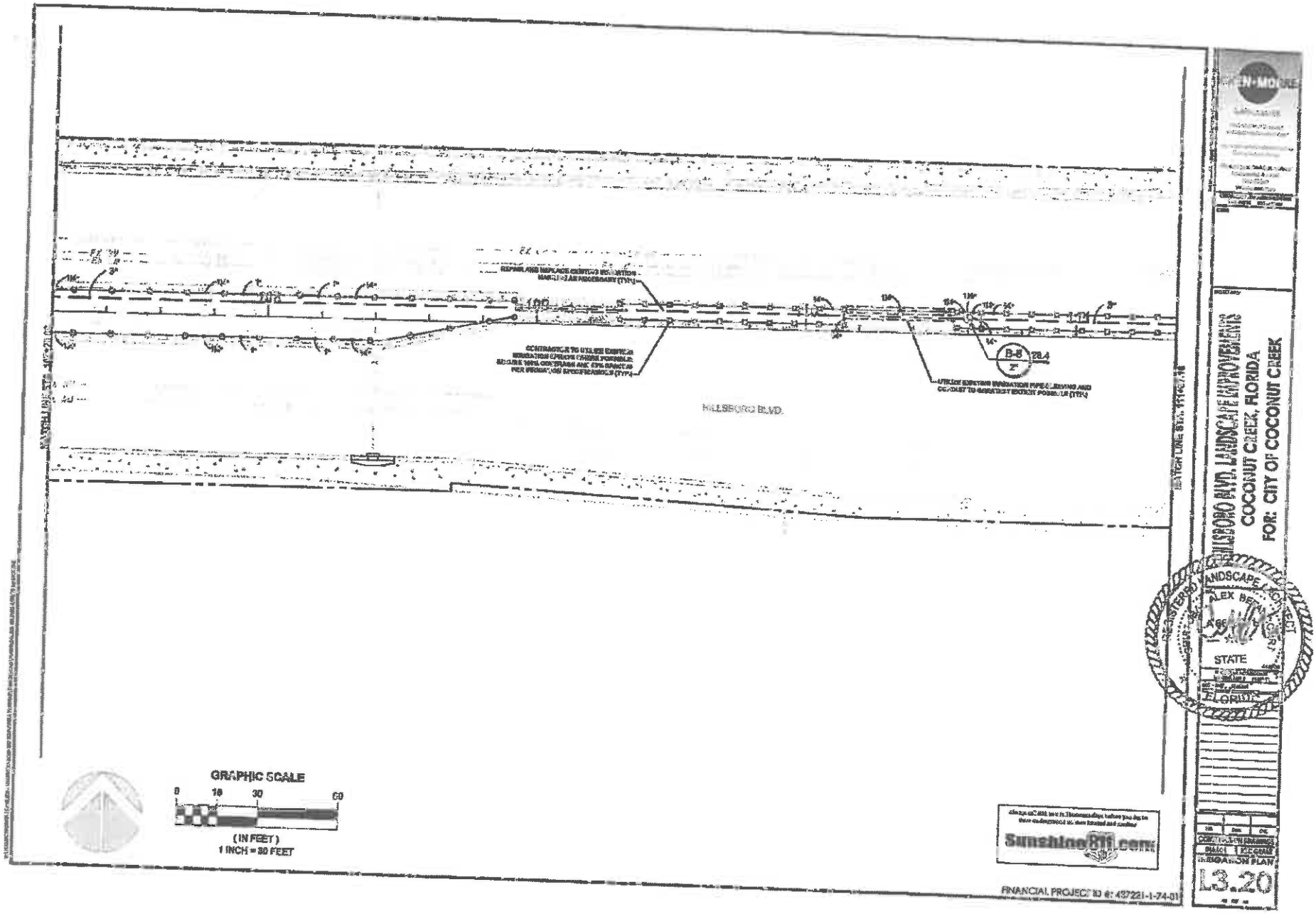
FINANCIAL PROJECT ID #: 437221-1-74-01

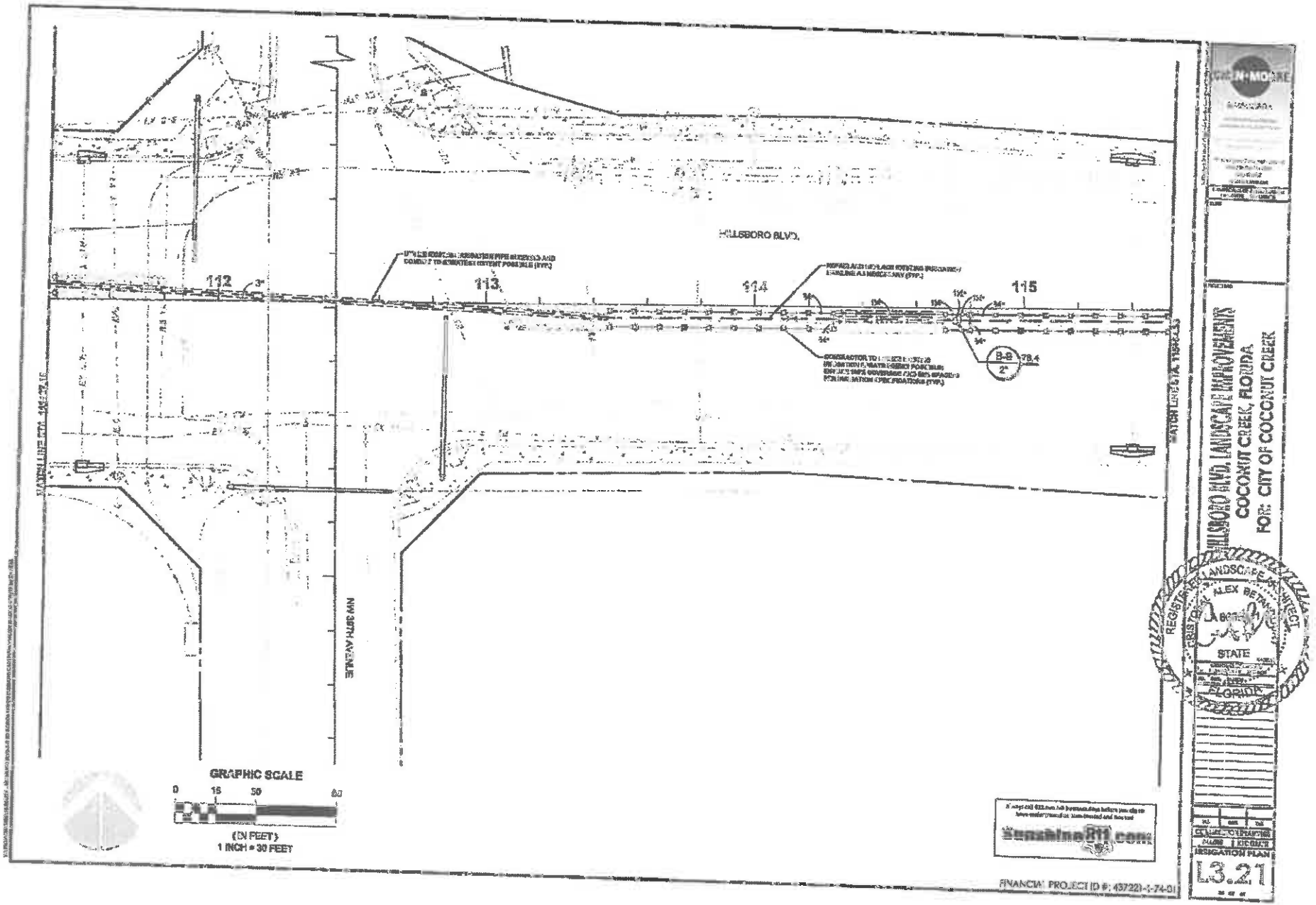
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

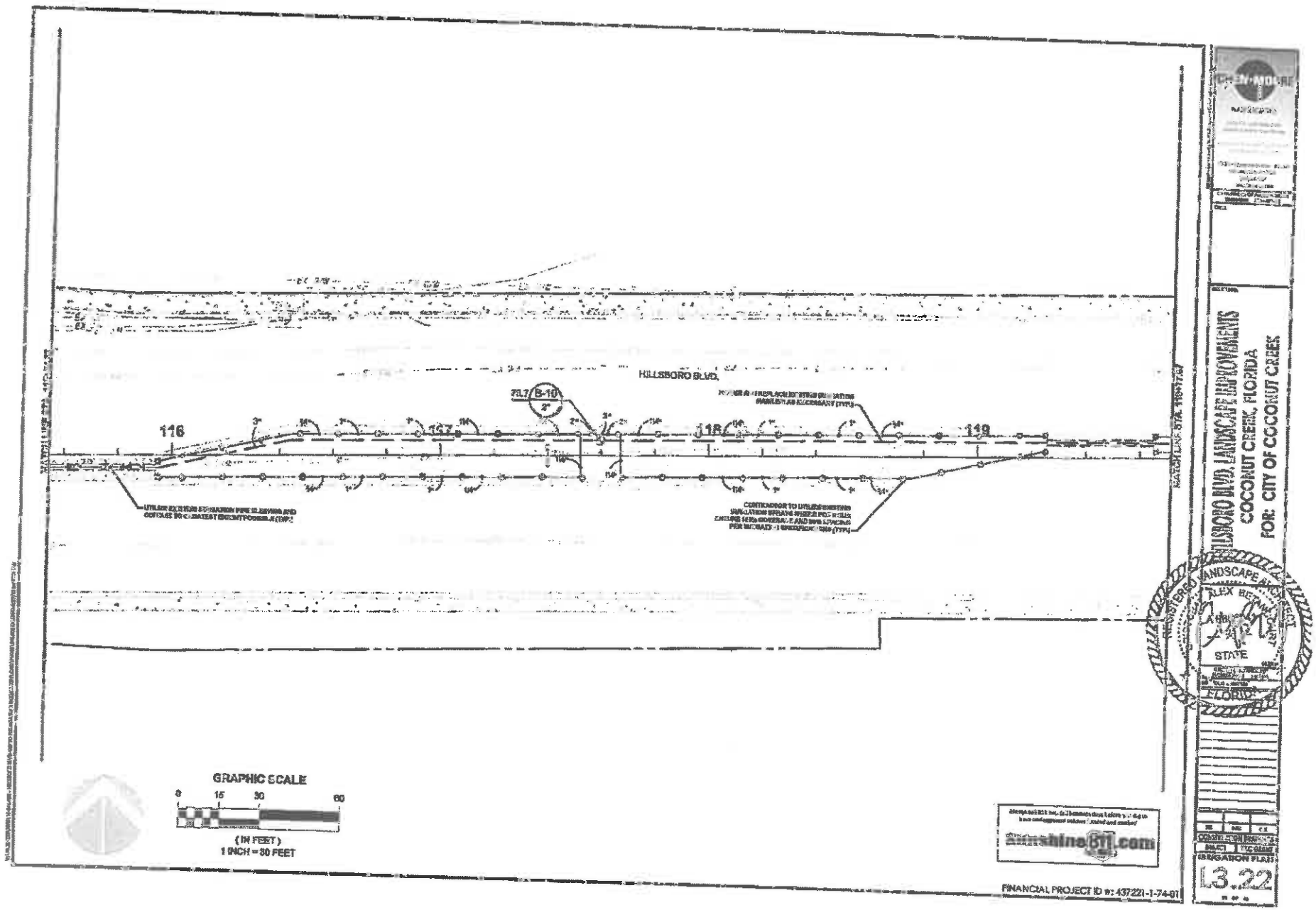
IRRIGATION PLAN

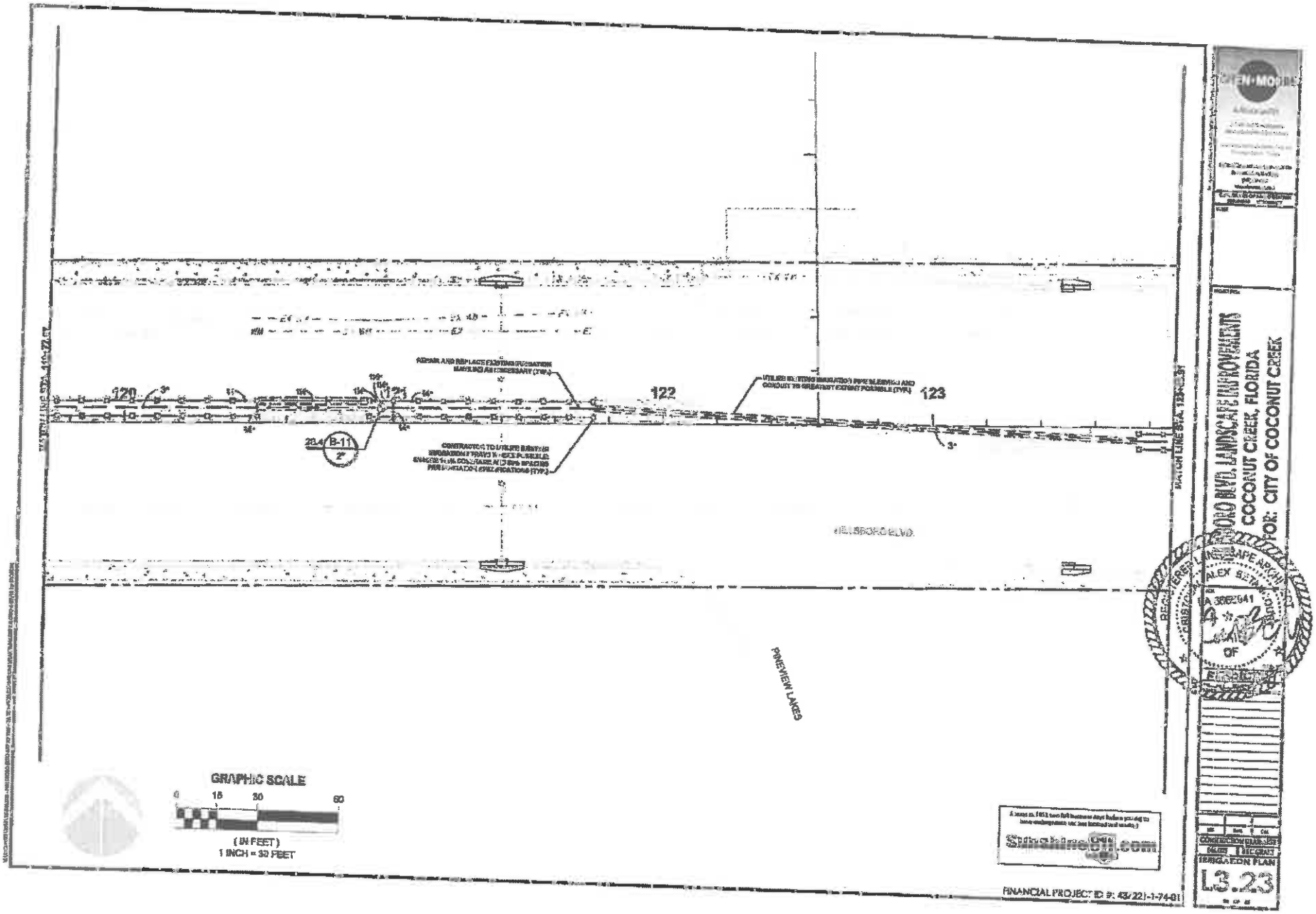
L3.18


HILLSBORO BLVD.
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
LANDSCAPE ARCHITECT
LA 6666941
STATE OF FLORIDA
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
IRRIGATION PLAN
L3.19
FINANCIAL PROJECT ID #: 43722[1-1-74-01

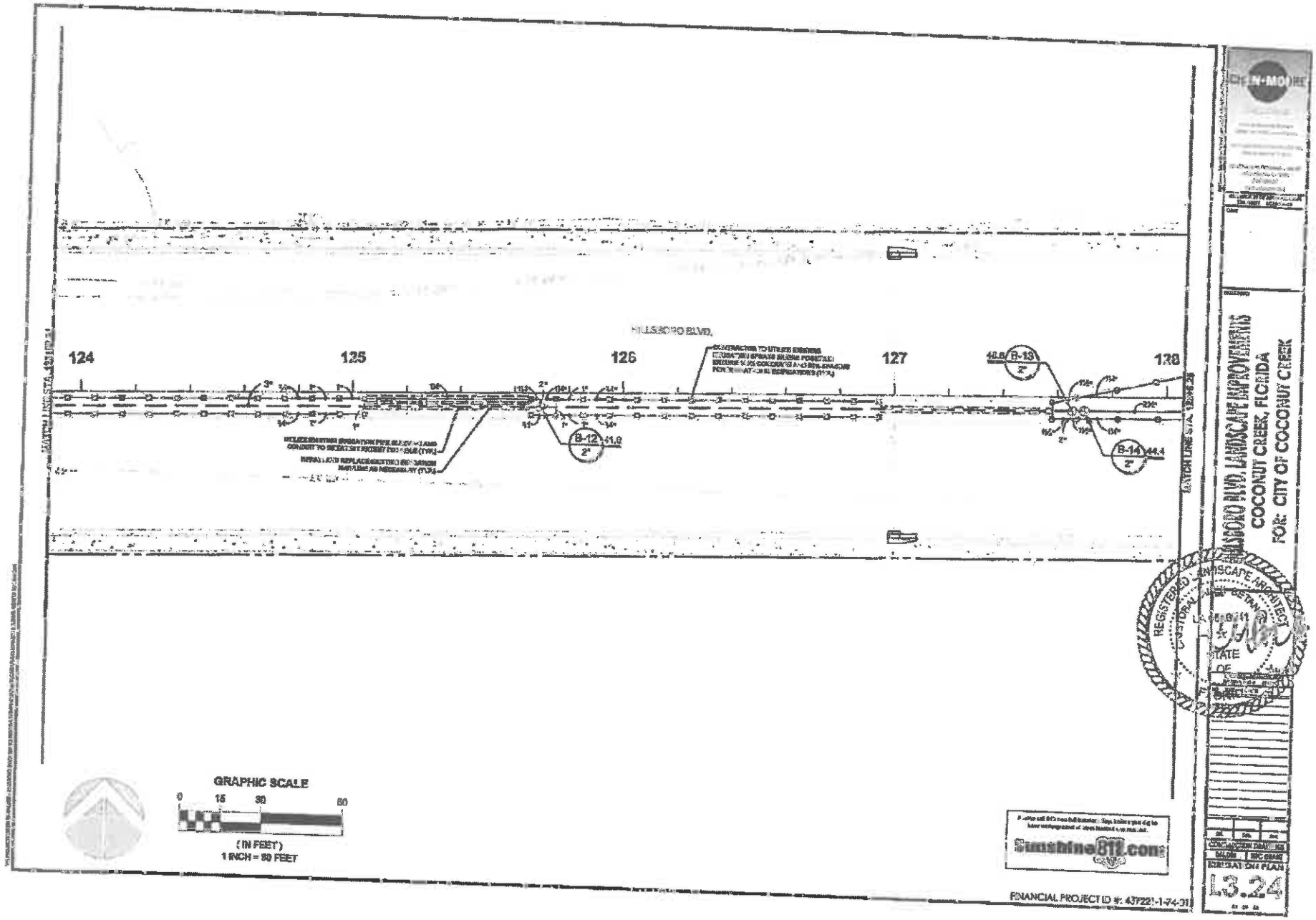

HILLSBORO BLVD.
B-8
28.4
GRAPHIC SCALE
0
10
30
60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
FLORIDA
L3.20


HILLSBORO BLVD.
NW 39TH AVENUE
112
113
114
115
B-8
78.4
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BETANCUR
STATE
FLORIDA
IRRIGATION PLAN
L3.21


HILLSBORO BLVD.
116
117
118
119
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
STATE
FLORIDA
L3.22



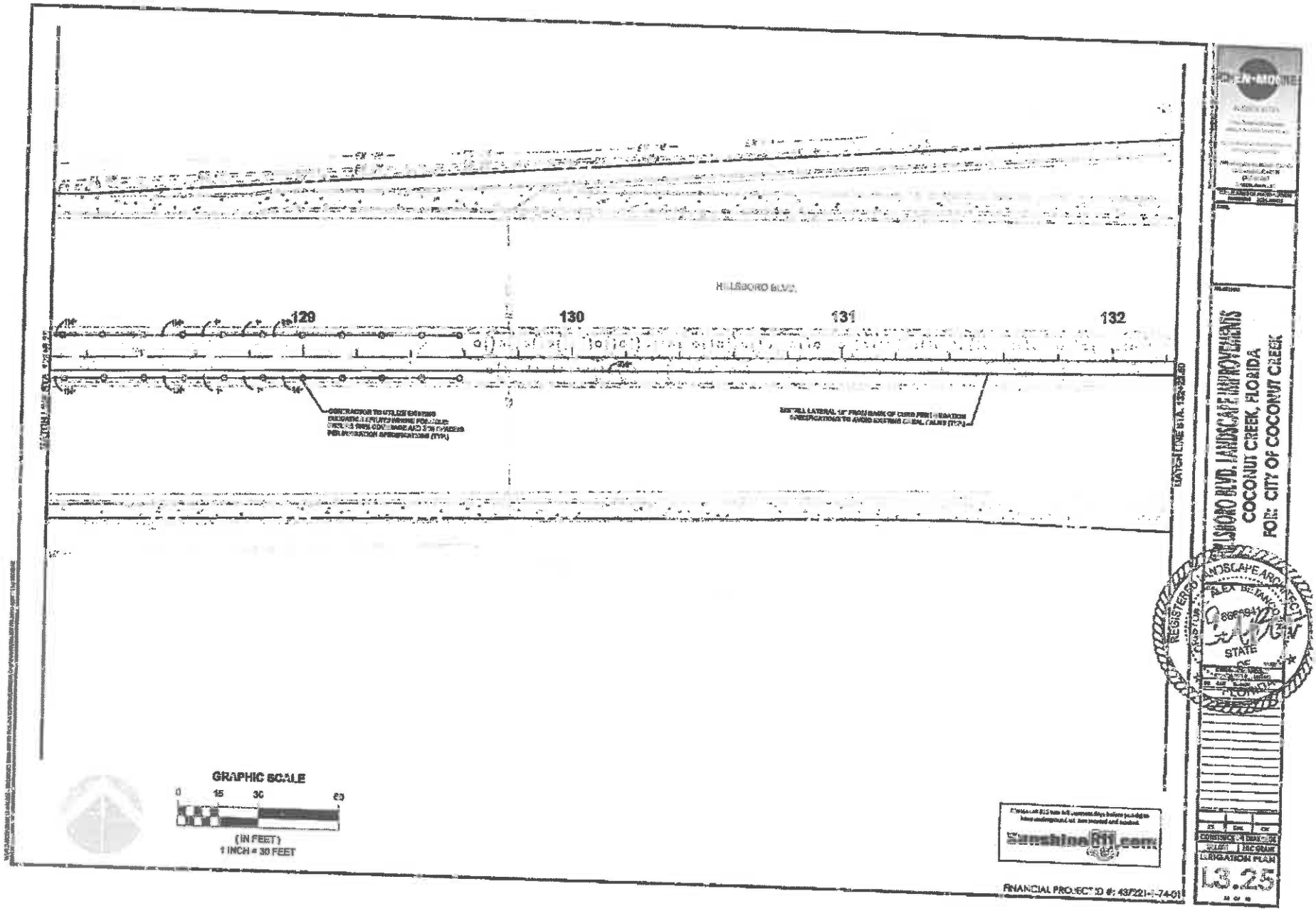
120
121
122
123
B-11
2"
PINEVIEW LAKES
GRAPHIC SCALE
0
15
30
60
(IN FEET)
1 INCH = 30 FEET
FINANCIAL PROJECT ID #: 43/221-1-74-01
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
IRRIGATION PLAN
L3.23



HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

FINANCIAL PROJECT ID #: 437221-1-74-01

L3.24

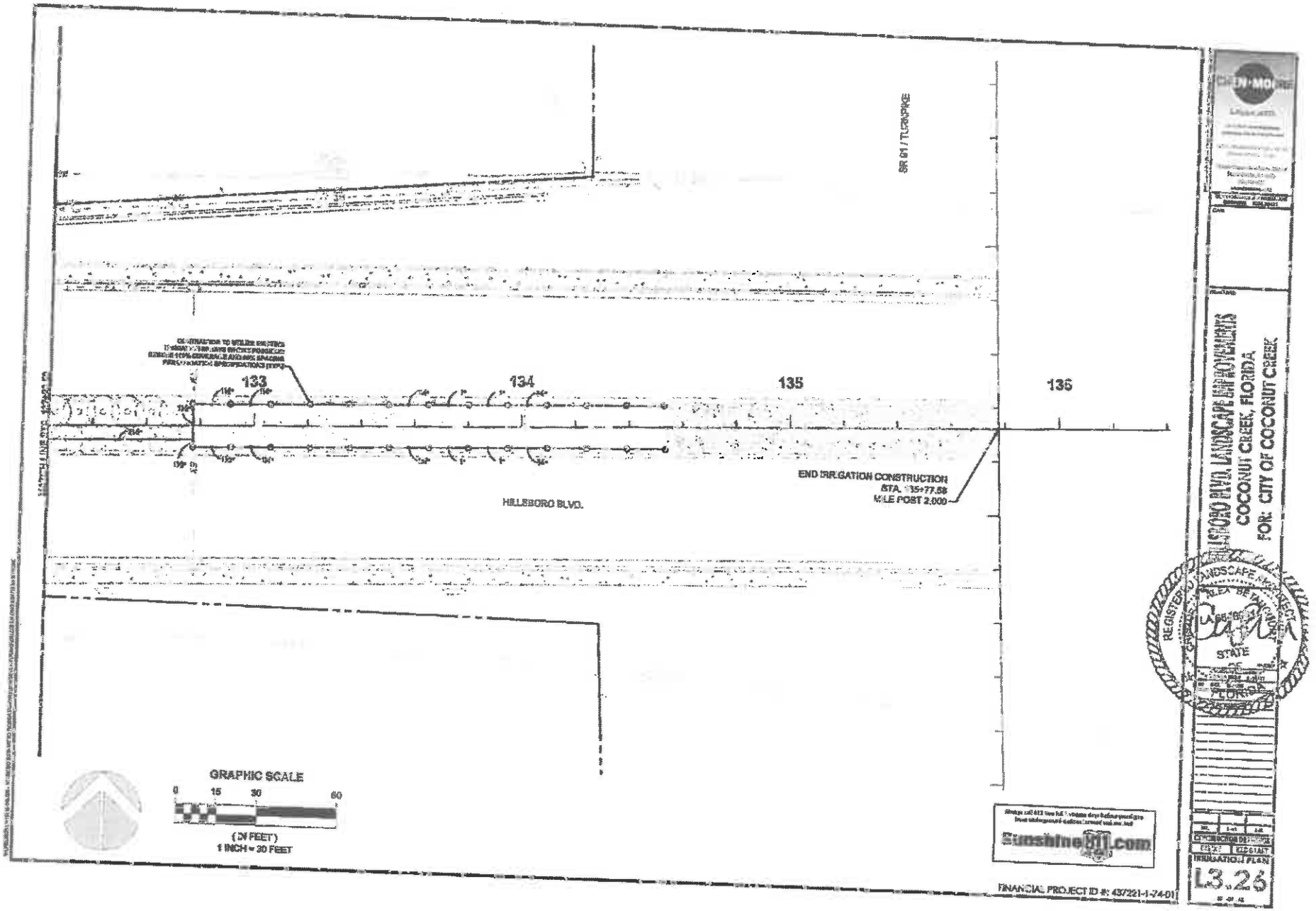


FINANCIAL PROJECT ID #: 43/221-1-74-01

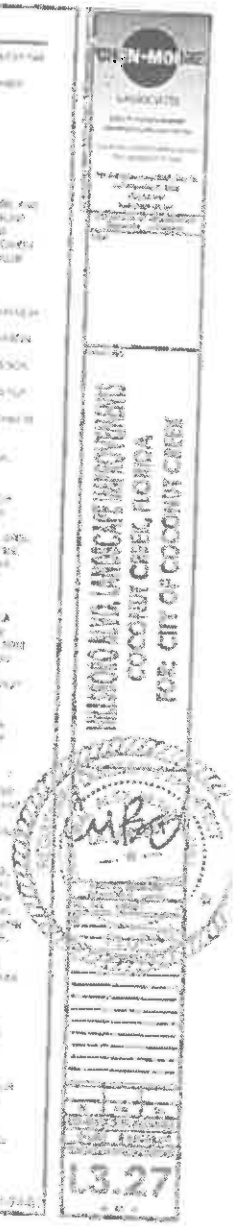
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

REGISTERED LANDSCAPE ARCHITECT
ALEX BETANCO
STATE OF FLORIDA

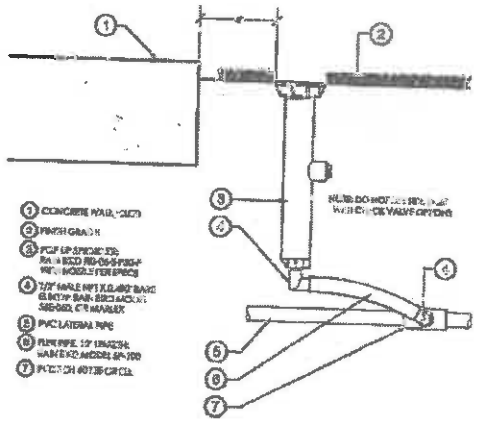
IRRIGATION PLAN
L3.25


SR 811 / TURNPIKE
133
134
135
136
HILLSBORO BLVD.
END IRRIGATION CONSTRUCTION
STA. 135+77.58
MILE POST 2.000
GRAPHIC SCALE
0 15 30 60
(IN FEET)
1 INCH = 30 FEET
Sunshine811.com
FINANCIAL PROJECT ID #: 437221-1-74-01
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK
REGISTERED LANDSCAPE ARCHITECT
ALEX BETANCOURT
STATE OF FLORIDA
IRRIGATION PLAN
L3.26

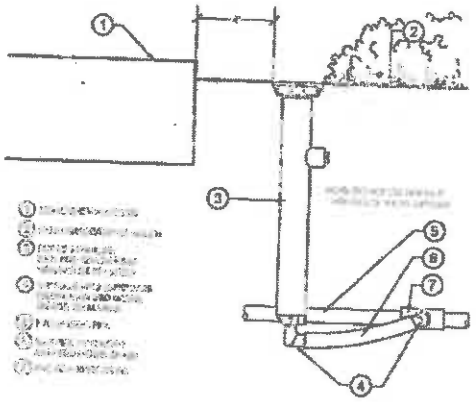
IRRIGATION SPECIFICATIONS



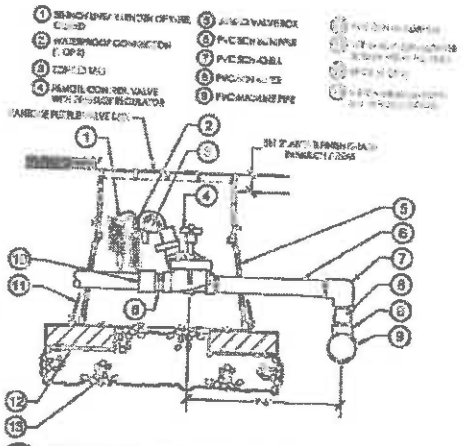
FINANCIAL PROJECT ID # 437221-1-74-01



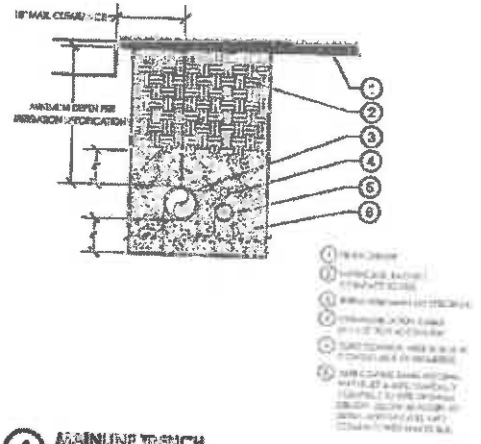
1 6" POP-UP SPRAY



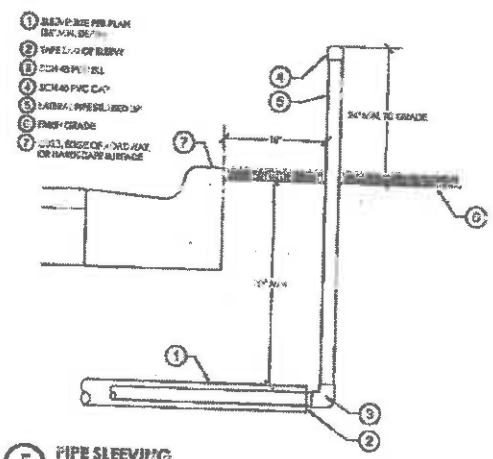
2 12" POP-UP SPRAY



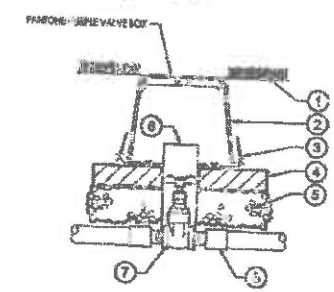
3 PRESSURE REGULATING REMOTE CONTROL VALVE



4 MAINLINE TRENCH



5 PIPE SLEEVING



6 ISOLATION VALVE

FINANCIAL PROJECT ID # 437221-1-74-01

GREEN-MOORE

LANDSCAPE

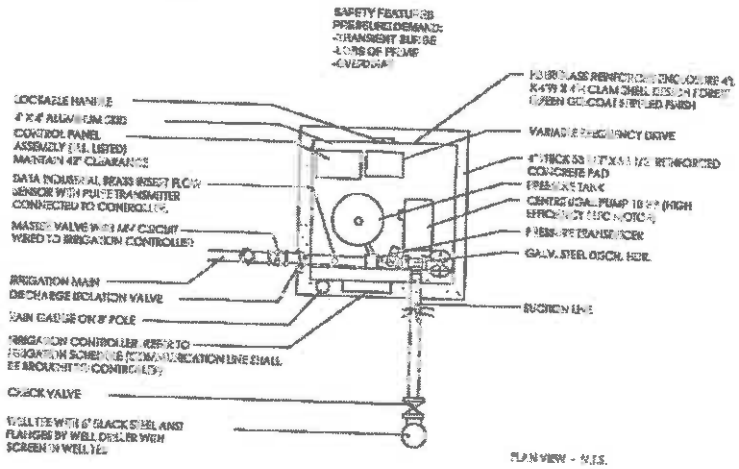
FELLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

REGISTERED LANDSCAPE ARCHITECT
STATE OF FLORIDA

L3.28

NOTE: SUCTION PIPE SHALL BE SCHED 40 GALVANIZED STEEL WITH GALVANIZED ROLL GROOVE FITTINGS FROM THE PUMP TO THE WELL TEE. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE. 2" AND SMALLER SHALL BE POPPET STYLE.

PROVIDE MINIMUM OF 4" CLEARANCE ON ALL SIDES OF PUMP SYSTEM
* OPTIONAL FEATURES ARE INCLUDED IF MARKED WITH AN "X"
X VARIABLE FREQUENCY DRIVE
X IRRIGATION CONTROLLER RAIN BIRD SPEW WITH BUILD IN COIL 24 STATIONS WITH FLOW SENSOR AND RAIN GAUGE ON 8' POLE.
X PRESSURE TANK FOR PRESSURE DEMAND SYSTEMS
— HOOVER FLOW GUARD



PLAN VIEW - N.T.S.

ELECTRIC SERVICE TO BE, IN ORDER OF PREFERENCE: 480V 3-PHASE, 208V CLOSED-DELTA 3-PHASE, 208 WYE 3-PHASE, 230 1-PHASE, 208V 1-PHASE, 230 OPEN-DELTA 3-PHASE.

PUMP PERFORMANCE:
[illegible]

HOOVER PUMPING MODEL: [illegible]
Pompano Beach, Florida, Tel: [illegible]

CITY OF COCONUT CREEK HILLSBORO BLVD WEST REPLACEMENT CENTRIFUGAL PUMP SYSTEM DETAIL

[illegible]

[illegible]

FINANCIAL PROJECT ID #: 43722[illegible]-1-74-01

GREEN-MOORE

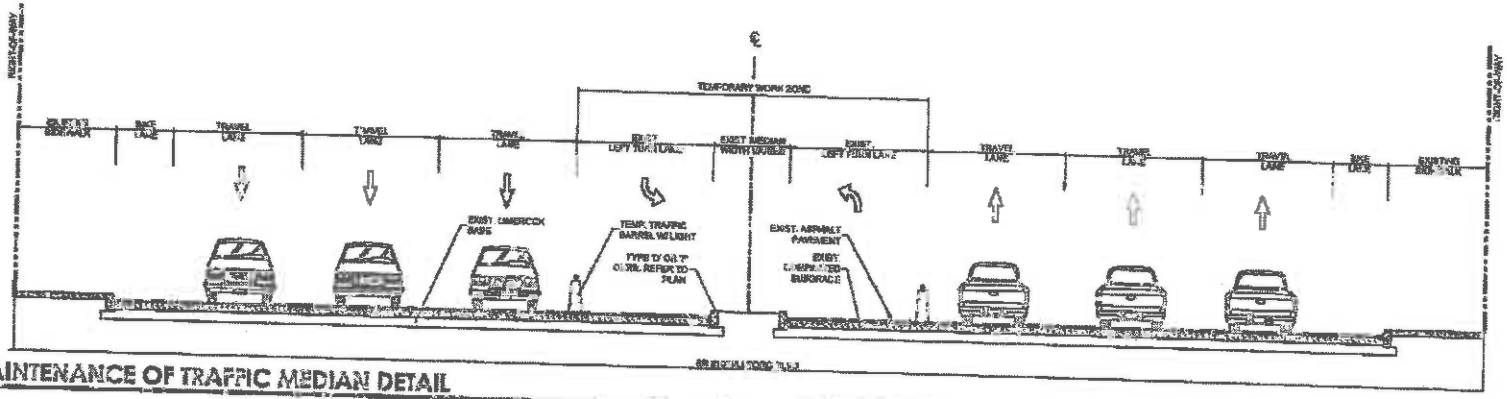
HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

REGISTERED LANDSCAPE ARCHITECT
STATE OF FLORIDA

DESIGNATION DETAILS
L3.29

MAINTENANCE OF TRAFFIC NOTES

1. MAINTENANCE OF TRAFFIC PLANS ARE A TRADE SECRET. CONTRACTOR SHOULD PROVIDE THEIR PLANS FOR PRIOR APPROVAL.
2. ADVANCE WARNING SIGNS FOR ON SITE AND OFF SITE DETOUR SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION.
3. WORK ZONE PAVEMENT MARKINGS ARE SHOWN ON THE MOT PLANS AND TYPICAL SECTIONS.
4. CONTRACTOR IS TO FIELD VERIFY EXISTING CONDITIONS AND NOTIFY CITY AND LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL PROTECT ALL EXISTING TREES, SOD, IRRIGATION SYSTEMS, ETC. LOCATED IN THE RIGHT-OF-WAY. CONTRACTOR IS TO COORDINATE WITH THE CITY OF COCONUT CREEK AND LANDSCAPE ARCHITECT OF RECORD PRIOR TO CONSTRUCTION.
6. ALL DISTURBED AREAS SHALL BE RESODDED TO ORIGINAL CONDITIONS PRIOR TO COMPLETION.
7. ANY EXISTING SIGNS DAMAGED BY CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR IN KIND.
8. FLORIDA DEPARTMENT OF TRANSPORTATION, 2013 DESIGN STANDARDS AND REVISIONS THEREOF APPLICABLE HEREIN, SHALL ALSO BE A GOVERNING SPECIFICATION FOR ROADWAY AND DRAINAGE CONSTRUCTION AS AMENDED BY THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS.

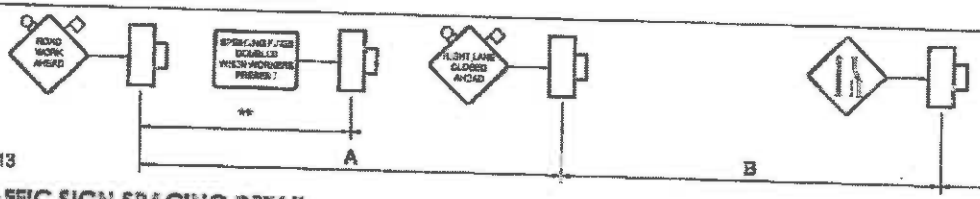


MAINTENANCE OF TRAFFIC MEDIAN DETAIL

N.T.S.

NOTES:
1. ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO WORK BEGINNING.
2. TYPICAL NOTE 1 TO BE COMPLETED WHEN APPLICABLE.
3. TYPICAL NOTE 2 TO BE COMPLETED WHEN APPLICABLE.

SR810 (HILLSBORO BLVD.)



**SIGN SPACING PER FDOT INDEX 613

TYPICAL MAINTENANCE OF TRAFFIC SIGN SPACING DETAIL

N.T.S.

TYPICAL CROSS STREET

SARAH LORRAINE MAYO
LICENSE
No 70342
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

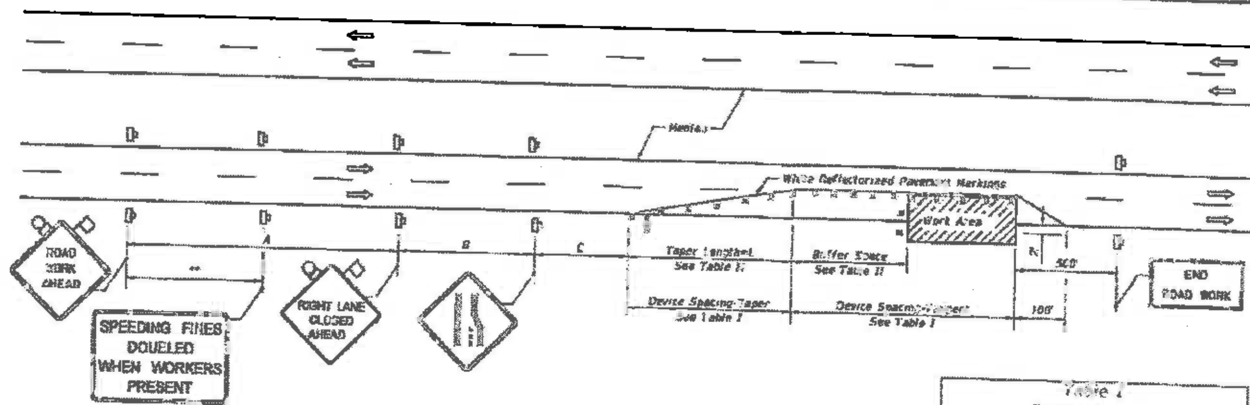
FINANCIAL PROJECT ID #: 437221-1-74-01

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

MOT EXHIBIT

MOT NOTES & DETAILS

L4.00



DISTANCE BETWEEN SIGNS			
Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1640	1000

Table I Device Spacing				
Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
[illegible]	25	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	50
[illegible]	25	[illegible]	50	100

Table II
Buffer Space and Taper Length

GENERAL NOTES

DURATION NOTES

SYMBOLS

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' ...

LAST REVISION	REVISION	DESCRIPTION:
07/01/09		

FDOT 2015 DESIGN STANDARDS

MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE

INDEX NO. 613 SHEET 1 of 2

FDOT INDEX 613

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

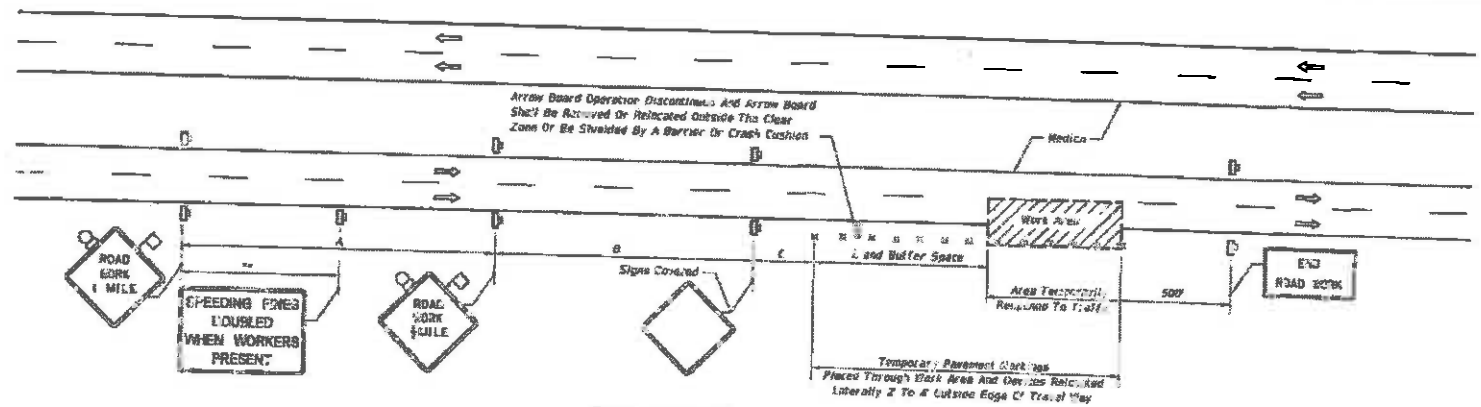
MOT EXHIBIT

FDOT INDEX 613

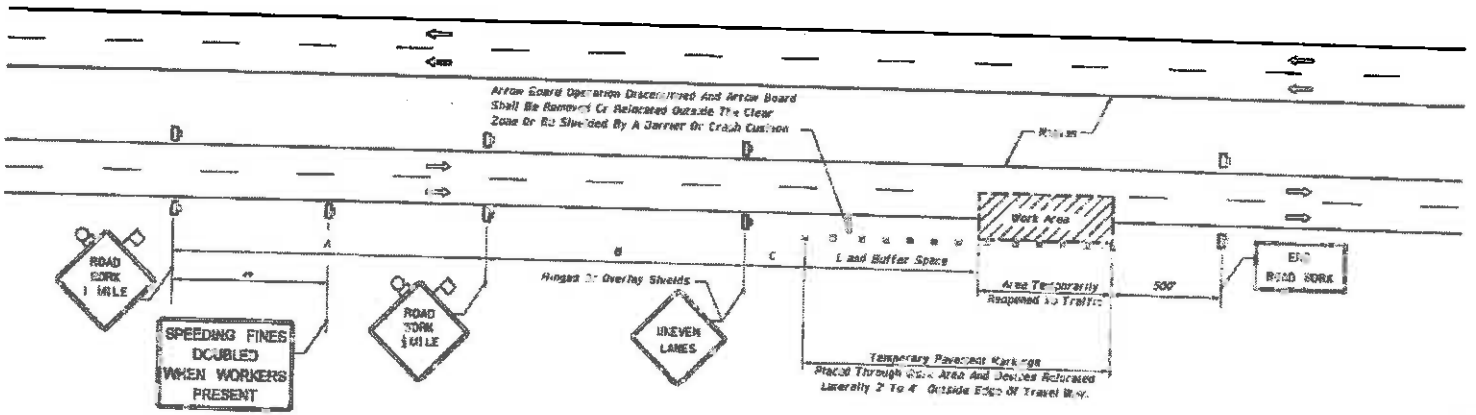
L4.01

N.T.S.

FINANCIAL PROJECT ID ...221-1-74-01



EVEN PAVEMENT



UNEVEN PAVEMENT

INTERMITTENT WORK STOPPAGE - LANE REOPENED TO TRAFFIC

LAST REVISION 07/01/05	REVISION	DESCRIPTION:	FDOT 2015 DESIGN STANDARDS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	613	2 of 2

FDOT INDEX 613

SARAH LORRAINE MATTI LICENSE No 70842 STATE OF FLORIDA PROFESSIONAL ENGINEER

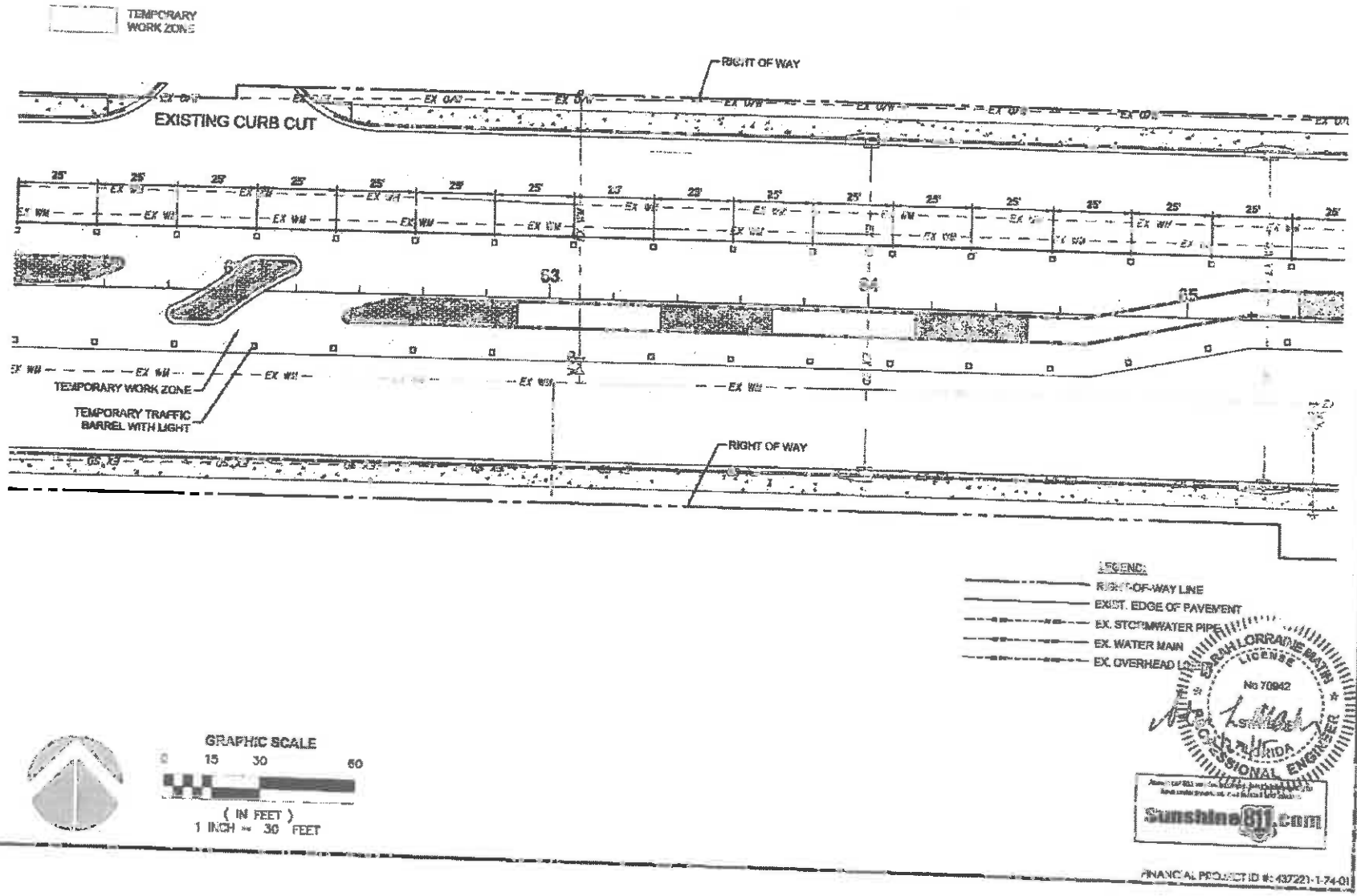
CHEN-MOORE ASSOCIATES

HILLSBORO BLVD. LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

FDOT EXHIBIT
FDOT INDEX 613
L4.02

N.T.S.

FINANCIAL PROJECT ID #: 437221-1-74-01



RELOCATED LANDSCAPE IMPROVEMENTS
COCONUT CREEK, FLORIDA
FOR: CITY OF COCONUT CREEK

MOT EXHIBIT
TYP. MOT PLAN

L4.03

SECTION No.(s):	86120
S.R. No.(s):	810
FM No:	437221-1-74-01
COUNTY:	BROWARD

EXHIBIT C

MAINTENANCE PLAN 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.

Please see attached

MAINTENANCE PLAN
Landscape Improvements

Project State Road No(s):	**State Road 810 (Hillsboro Boulevard) from State Road 7 (US 441) (M.P.0.00) to State Road 91 (Florida Turnpike) (M.P. 2.00)**
FM No(s):	**437221-1-74-01**
Maintaining Agency:	**City of Coconut Creek**
RLA of Record:	**Cristobal Betancourt**
Date:	**March 23, 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. 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 provides recommendations prepared by the Registered Landscape Architect of Record specific to the attached approved plans.

WATERING REQUIREMENTS

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

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

IRRIGATION SYSTEM

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

INTEGRATED PLANT MANAGEMENT

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

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

MULCHING

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

PRUNING

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

STAKING AND GUYING

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

TURF MOWING:

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

LITTER CONTROL:

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

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

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

HARDSCAPE (SPECIALTY SURFACING)
All tree grates and specialty surfacing (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

The City of Coconut Creek shall maintain the proposed plant material(s) as noted below:

- Palm tree fronds shall not be trimmed higher than 3 and 9 o'clock.
- Shrubs shall be maintained at a maximum height of 24" and trimmed to preserve their natural growth habit to the greatest extent possible
    - Chrysobalanus icaco 'Horizontalis'/Horizontal Cocoplum
    - Hamelia patens 'Dwarf'/Dwarf Fire Bush
- Shrubs shall be maintained to prevent encroachment onto existing hardscape areas (pavers and curbing).
- Groundcover shall be maintained to prevent encroachment onto existing hardscape areas (pavers and curbing). In addition, where ground cover beds are intermixed, ground cover shall be trimmed to keep plant species segregated by a margin no greater than 12".

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. I Chapter 2.11 Lateral Offset*
Table 2.11.5 Lateral Offset 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/SP5800000FA.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

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

UF IFAS: *Fertilization of Field-grown and Landscape Palms in Florida*
http://edis.ifas.ufl.edu/ep261

U.S. Department of Transportation, Federal Highway Administration, ***Manual on Uniform Traffic Control Devices***
http://www.mutcd.fhwa.dot.gov

SECTION No.(s):	86120
S.R. No.(s):	810
FM No:	437221-1-74-01
COUNTY:	BROWARD

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

Anticipated Terms of a Separate Agreement

I.	FDOT PARTICIPATION: Via Separate Agreement	$100,000.00
	AGENCY PARTICIPATION:	$213,977.00
II.	APPROXIMATE LANDSCAPE IMPROVEMENT COST: Amounts are approximate	$313,977.00

Please see attached

COST ESTIMATE

Florida Highway Beautification Council Grant

City of Coconut Creek, Florida - SR810 / Hillsboro Boulevard

FPID # 437221-1-74-01

Date: 03/20/15

	Item	Description	Qty.	Unit Cost	Total Cost
1.	Silver Bismark Palm	12' - 14' OAH, 18" MAX TRUNK DIA.	17	1,275.00	21,675.00
2.	Solitaire Palm, Single	16'-18' OAH	67	575.00	38,525.00
3.	Southern Live Oak	18' HT, 7' SPRD, 4" CAL.	10	1,200.00	12,000.00
4.	Chrysobalanus Icaco 'Horizontalis'	3 Gal., 18"ht. x 18"spr., 30" o.c.	447	15.00	6,705.00
5.	Dwarf Fire Bush	3 Gal., 18"ht. x 18"spr., 24" o.c.	409	10.00	4,090.00
6.	Perennial Peanut	4" Pots. 3" Ht., 12" o.c.	3,169	3.00	9,507.00
7.	Blue-eyed Grass	1 Gal., 6"ht. x 6"spr., 20" o.c.	1,817	5.00	9,085.00
8.	Juniperus horizontalis 'Bar Harbor'	3 Gal., 14"ht. x 14"spr., 24" o.c.	945	10.00	9,450.00
9.	St. Augustine Sod 'Floritam'	Solid Sod (SF)	694	0.55	381.70
10.	6" Pop-up Spray:	Rain Bird RD-06-S-P30-F	664	28.00	18,592.00
11.	12" Pop-up Spray	Rain Bird RD-12-S-P30-F	362	32.00	11,584.00
12.	Remote Control Valve:	Rain Bird PESB-PRS-D 1-1/2"	23	200.00	4,600.00
13.	Isolation Valve:	Nibco T-113	8	300.00	2,400.00
14.	Controller:	Rain Bird ESP-24SITE-W	1	2,500.00	2,500.00
15.	Controller:	Reconfigure Existing	1	500.00	500.00
16.	Rain Sensor:	Rain Bird RSD-CEx	1	100.00	100.00
17.	Pump Station:	Hoover Pump Station	1	10,000.00	10,000.00
18.	Irrigation Lateral Line	PVC Class 200 SDR 21 ¾"-2½"	12,938	0.50	6,469.00
19.	Irrigation Mainline	PVC Class 200 SDR 21 3"	7,875	7.50	59,062.50
75	Maintenance of Traffic (MOT)	Maintenance of Traffic	1	10,000.00	10,000.00
21.	Clearing & Grubbing	Preparation of existing landscape areas	1	10,000.00	10,000.00
22.	Site Mobilization / General Requirements	5% of Landscape, Irrigation & Misc. Sub-total	1	12,361.31	12,361.31
23	Establishment/Maintenance of New Plants/1 Year Warranty	12% of Landscape, Irrigation & Misc. Sub-total	1	29,667.14	29,667.14
24.	Contingency	10% of Landscape, Irrigation & Misc. Sub-total	1	24,722.62	24,722.62
				Total Cost	$313,977.27

Notes:

1. Unit costs includes the means and methods necessary to complete the work described in the contract documents. This includes, but is not limited to; delivery, labor, backfill, installation, mulch, equipment etc.
2. Items of work within this estimate shall be performed or sub-contracted by City of Coconut Creek
3. The irrigation has designed as a worst case scenario. This line item reflects installation of all new lateral line within the limits of construction. It is anticipated that the existing lateral lines will be utilized to the greatest extent possible, reducing the estimated cost shown.