

SECTION No.(s): 86100000
S.R. No.(s): 7
FM No: 444935-1-74-01
COUNTY: BROWARD

**DISTRICT FOUR (4) AMENDMENT NUMBER SIX (6) TO STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION LANDSCAPE INCLUSIVE
MEMORANDUM OF AGREEMENT**

THIS AMENDMENT Number Six (6) to the Agreement dated May 27, 2009, made and entered into this 21st day of June 2019 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 Memorandum of Agreement dated, May 27, 2009 for the purpose of maintaining the landscape improvements by the AGENCY on various roads including State Road 7 (US 441); and,

WHEREAS, the DEPARTMENT and the AGENCY have agreed to add additional landscape to be installed on State Road 7 (US 441) in accordance with the above referenced Agreement; 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 7 (US 441) 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 7 (US 441 from Cullum Road (M.P. 21.411) to Eastbound State Road 869 (Sawgrass Expressway) On Ramp (M.P. 22.531). 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 to the **Exhibit "C"** Maintenance Plan, attached to this Amendment.
3. The DEPARTMENT and the AGENCY intend to enter into a separate agreement as further referenced in **Exhibit "D"** attached hereto and made a part hereof. The DEPARTMENT shall be invited to assist the AGENCY in final inspections before acceptance of the Project by the AGENCY. The DEPARTMENT must approve the landscape improvements before the Agency's contactor is released.

4. The AGENCY has represented that it has or will enter into an Interlocal Agreement with the City of Coral Springs providing for the design and construction of landscape improvements and sharing costs of maintenance to the medians on State Road 7 (US 441).
5. Pursuant to Exhibit "A" of the Landscape Inclusive Maintenance Memorandum of Agreement for State Road 7 (US 441) dated May 27, 2009, the DEPARTMENT and the AGENCY agree to modify the limits of maintenance listed on State Road 7 (US 441 from Cullum Road (M.P. 21.411) to Eastbound State Road 869 (Sawgrass Expressway) On Ramp (M.P. 22.531).

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 Maintenance Boundaries Limits
- 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 21st day June year written and approved.

CITY OF COCONUT CREEK

By: Mary C. Blasi
Chairperson/Mayor/Manager

Attest: Lexie Wallace May (SEAL)
Clerk

Legal Review Kathleen McLaughlin Date 6/12/18

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

Attest: [Signature] (SEAL)
Executive Secretary

Legal Review [Signature] Date 6/20/2019
Office of the General Counsel

By: [Signature]
Transportation Development Director

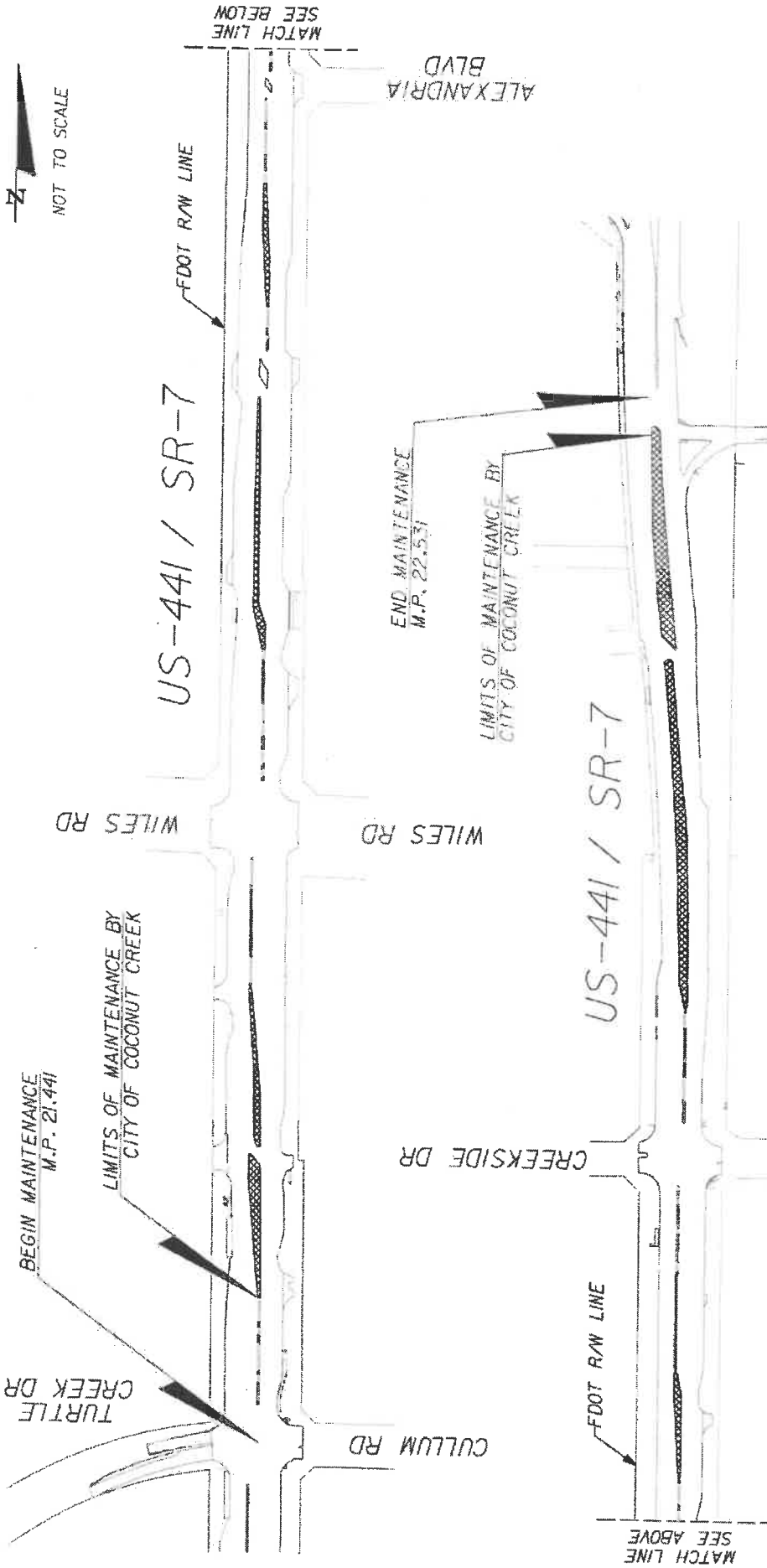
SECTION No.(s): 86100000
S.R. No.(s): 7
FM No: 444935-1-74-01
COUNTY: BROWARD

EXHIBIT A
LANDSCAPE IMPROVEMENTS
MAINTENANCE BOUNDARIES LIMITS

- I. **LANDSCAPE PROJECT LIMITS FOR THIS PROJECT:**
State Road 7 (US 441) from Cullum Road (M.P. 21.411) to Eastbound State Road 869 (Sawgrass Expressway) On Ramp (M.P. 22.531)
- II. **ORIGINAL INCLUSIVE LANDSCAPE MAINTENANCE AGREEMENT LIMITS FOR State Road 7 (US 441):**
State Road 7 (US 441) from M.P. 20.861 (Winston Park/Creekside Drive) to M.P. 24.591 (Broward/Palm Beach County Line)
- III. **LANDSCAPE IMPROVEMENTS MAINTENANCE RESPONSIBILITIES MAP:**

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

Please See Attached



US-441 / SR-7

US-441 / SR-7

BEGIN MAINTENANCE
M.P. 21.441

LIMITS OF MAINTENANCE BY
CITY OF COCONUT CREEK

END MAINTENANCE
M.P. 22.531

LIMITS OF MAINTENANCE BY
CITY OF COCONUT CREEK

SAWGRASS EXPY
NB ON RAMP

LANDSCAPE IMPROVEMENT MAINTENANCE
BOUNDARY MAP

LIMITS OF MAINTENANCE
BY CITY OF COCONUT CREEK

CITY OF COCONUT CREEK
MAY 13, 2019
FM# 444935-1-74-01



CITY OF COCONUT CREEK
BROWARD COUNTY

2019 STATE HIGHWAY BEAUTIFICATION GRANT
FINANCIAL PROJECT ID 444935-1-74-01
STATE ROAD NO. 7
FROM N. OF CULLUM RD TO S. OF SAWGRASS EXPRESSWAY

LANDSCAPE PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	LANDSCAPE GENERAL NOTES
LD-3	SHEET LAYOUT
LD-4	TREE DISPOSITION CHART
LD-5 THRU LD-14	TREE DISPOSITION PLANS
LD-15	PLANT SCHEDULE
LD-16	LANDSCAPE DETAILS
LD-17	HARDSCAPE DETAILS
LD-18 THRU LD-27	LANDSCAPE PLANS
LD-28	IRRIGATION NOTES & SCHEDULE
LD-29	IRRIGATION PLANS
LD-30 THRU LD-39	IRRIGATION PLANS
LD-40	TRAFFIC CONTROL PLAN
LD-41	IRRIGATION PUMP ELECTRICAL PLAN

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2018-19 Standard Plans for Road and Bridge Construction and Adoptable Interim Revisions (IRs).
Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fltdot.com/design/standards>
Standard Plans for Bridge Construction are included in the Structures Plans Catalogue.

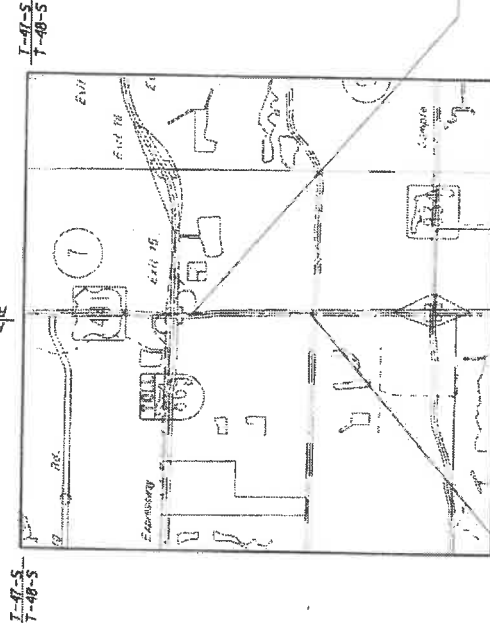
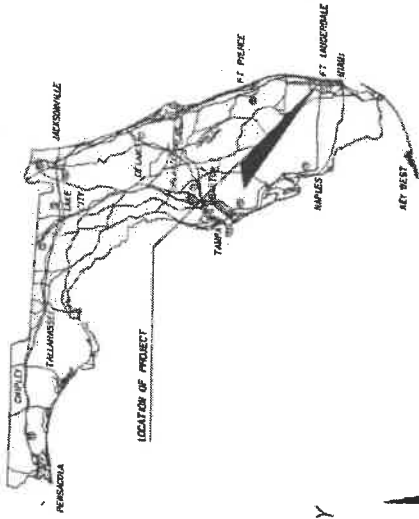
GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2018 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fltdot.com/programmanagement/implementation/specbooks>

DESIGN SPEED: 45 MPH



BUTTERFLY CAPITAL OF THE WORLD
CITY CONTACT: BRIAN ROSEN



PLANS PREPARED BY:
KS KEITH & SCHNARS

A DIVISION OF KCI
1609 N. Andrews Ave., Ft. Lauderdale, FL 33309-2124, 954-773-1616
LANDSCAPE ARCHITECT OF RECORD: TERRY W. WELLS, R.L.A. #80793-4
CERTIFICATE OF REGISTRATION #13177

CERTIFICATE OF AUTHORIZATION #1337

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



5/9/19

LANDSCAPE PLANS
PROJECT NO. 19-00000000
ARCHITECT OF RECORD: TERRY WELLS R.L.A.

R.L.A. NO. 80098

FISCAL YEAR	19	SHEET NO.	LD-1
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GENERAL NOTES

1. PROJECT DESCRIPTION: FURNISH, INSTALL, ESTABLISH, MAINTAIN AND WARRANTY PLANTS AND INCIDENTAL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. VERIFY SITE CONDITIONS BEFORE BIDDING.
3. UTILITIES:
 - a. CALL SUNSHINE 811 OF FLORIDA (811) TWO FULL BUSINESS DAYS BEFORE DIGGING.
 - b. THE CONTRACTOR MUST BE PRESENT FOR UTILITY LOCATES.
 - c. INSTALL INLET PROTECTION.
4. PROTECT EXISTING TREES ADJACENT TO INSTALLATION ACTIVITIES. REPLACE TREES DAMAGED OR DESTROYED WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER. REPAIR AND RESTORE EXISTING AREAS DISTURBED BY INSTALLATION.
5. ESTABLISHMENT OR MAINTENANCE ACTIVITIES.
6. REMOVE LITTER, DEBRIS, AND EXCESS MATERIAL AT THE END OF EACH DAY'S WORK.
7. REMOVE UNDESIRABLE VEGETATION AND ERADICATE FLORIDA EXOTIC PLANT PEET COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES. THIS INCLUDES FROM WALLS AND WITHIN FENCES.
8. STUMP GRIND TO 12" DEPTH STUMPS FROM REMOVED TREES
9. CONTRACTOR SHALL REPAIR ALL DAMAGE DONE TO FOOT PROPERTY DURING DEMOLITION, RELOCATION AND/OR INSTALLATION ACTIVITIES AT HIS SOLE EXPENSE.
10. ANY PLANT MATERIAL SUBSTITUTION WITHIN OR IMPACTING THE FOOT RIGHT OF WAY WHETHER REQUESTED BY THE CONTRACTOR, OWNER, LANDSCAPE ARCHITECT OR OTHER WILL NEED TO GET APPROVAL FROM THE FOOT DISTRICT OPERATIONS MANAGER.
11. ARCHITECTURAL PAVERS INSTALLATION FOR MEDANS WITHIN FOOT RIGHT OF WAY SHALL COMPLY WITH CURRENT FOOT STANDARD SPECIFICATION 528. ONLINE REFERENCE: [HTTP://WWW.FOOT.GOV/PROGRAMS/management/implementation/pebblesjanuar1301belleislelookzfe](http://www.foot.gov/programs/management/implementation/pebblesjanuar1301belleislelookzfe)
12. OWNERSHIP OF ALL SUITABLE EXCAVATED MATERIALS, AS DETERMINED BY THE DEPARTMENT, SHALL REMAIN IN THE DEPARTMENT UNTIL A FINAL ACCEPTANCE OF THE PERMITTED PROJECT IS FULLY FILLED. EXCAVATED MATERIALS SHALL BE HANDED BY THE PERMITTEE, AT THEIR COST & EXPENSE FROM THE SITE TO THE BROWARD OPERATIONS CENTER OR STOCKPILED IN THOSE AREAS AS DIRECTED BY THE DEPARTMENT, INCLUDING ASPHALT MILLINGS.
13. LOCATE EXISTING FOOT AND COUNTY DRAINAGE, ITS AND ELECTRICAL FACILITIES PRIOR TO CONSTRUCTION.

PLANTING NOTES

1. LANDSCAPE PLANT MATERIAL INSTALLED WITHIN THE FOOT RIGHT OF WAY SHALL COMPLY WITH CURRENT FOOT MAINTENANCE SPECIFICATIONS 580-2.1. ONLINE REFERENCE: [HTTP://WWW.FOOT.GOV/SIGNS/STANDARDS/PLANTS/CURRENT/IDX490-001.PDF](http://www.foot.gov/signs/standards/plants/current/idx490-001.pdf)
2. REFER TO FOOT STANDARD PLANS INDEX 860-001 LANDSCAPE INSTALLATION. ONLINE REFERENCE: [HTTP://WWW.FOOT.GOV/SIGNS/STANDARDS/PLANTS/CURRENT/IDX490-001.PDF](http://www.foot.gov/signs/standards/plants/current/idx490-001.pdf)
3. CONTRACTOR SHALL PRESERVE A CONTINUOUS BAND OF UNDISTURBED COMPACTED SUB-BASE 18" FROM THE BACK OF CURB.
4. CYPRESS MULCH IS NOT PERMITTED ON FOOT RIGHT OF WAY. MULCH PERMITTED TO BE USED ARE HARDWOOD MULCH CONTAINING NO CYPRESS PRODUCTS), RECYCLED MULCH OR APPROVED EQUAL, CERTIFIED BY THE MULCH AND SOIL COUNCIL (MSC).

5. SUBMIT PROOF OF CERTIFICATION TO THE FOOT DISTRICT OPERATIONS PERMIT LANDSCAPE INSPECTOR UPON INSPECTION. SODDED AREAS WILL BE IN ACCORDANCE WITH STANDARD PLANS INDEX 570-010 AND STANDARD SPECIFICATIONS SECTIONS 182.570, 881, 882, 883, 887 OF THE DEPARTMENT'S LATEST EDITION OF GOVERNING DESIGN STANDARDS AND STANDARD SPECIFICATIONS. ALL DISTURBED AREAS WILL BE SODDED WITHIN ONE (1) WEEK OF INSTALLATION OF SAID PERMITTED WORK.
6. SUBMITTALS: NOT LESS THAN 14 DAYS BEFORE THE PRE-CONSTRUCTION MEETING.
 - a. SCHEDULE OF VALUES FOR EACH ITEM OF WORK.
 - b. WEED CONTROL, PRODUCT INFORMATION AND APPLICATION PROCEDURES.
 - c. WATERING APPLICATION PROCEDURES.
 - d. SOIL AMENDMENT PRODUCT INFORMATION AND APPLICATION PROCEDURES.
 - e. FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES.
 - f. LANDSCAPE CONTRACTOR CERTIFICATION BY THE FLORIDA NURSERY GROWERS AND LANDSCAPE ASSOCIATION.
 - g. ARBORIST CERTIFICATION BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA).
 - h. ROOT PRUNING PROCEDURES.
 - i. A LIST OF NURSERIES WHERE PLANTS ARE TAGGED, INCLUDING CONTACT INFORMATION AND LOCATION. THE CITY AND CONTRACTOR MAY VISIT THE NURSERY SITES TO INSPECT REPRESENTATIVE SAMPLES AND LOOK TAG THE EXAMPLE PLANT MATERIAL.
 - j. AN ESTABLISHMENT PLAN FOR REVIEW AND COMMENT. SPECIFICALLY DESCRIBE THE ACTIVITIES AND SCHEDULE TO ACHIEVE ESTABLISHMENT OF PLANTS AND INCIDENTAL WORK. ACCEPTANCE OF THE ESTABLISHMENT PLANS NOT A RELEASE FROM RESPONSIBILITY OF THE ESTABLISHMENT AND MAINTENANCE AS REQUIRED IN THE CONTRACT DOCUMENTS. PERFORM INCILIARY ACTIVITIES THAT MAY BE REQUIRED TO ESTABLISH AND MAINTAIN PLANTS AND INCIDENTAL WORK.
 - k. EXISTING TREE PROTECTION PROCEDURES.
 - l. A SHOP DRAWING OF THE TREE RELOCATION TAGGING METHOD.
 - l. INSTALLATION: AN ENGLA CERTIFIED LANDSCAPE CONTRACTOR MUST BE ON SITE TO DIRECT LANDSCAPE OPERATIONS.
 8. INSTALL PLANTS THAT COMPLY WITH THE FLORIDA DEPARTMENT OF AGRICULTURE'S "GRADERS AND STANDARDS FOR NURSERY PLANTS", MINIMUM GRADE FLORIDA NUMBER 1, UNLESS OTHERWISE SPECIFIED. MAKE PLANT MATERIALS FOR INSPECTION BEFORE INSTALLATION.
 9. LAYOUT: MARK PLANT LOCATIONS BEFORE INSTALLATION. NOTIFY THE CITY WHEN COMPLETE. ADJUST FINAL LOCATIONS WHEN DIRECTED. INSTALL NO PLANTS THAT WILL BLOCK OR CREATE CONFLICTS WITH:
 - a. SIGNS.
 - b. LIGHTS.
 - c. OVERHEAD AND UNDERGROUND UTILITIES.
 - d. ACCESS WAYS.
 - e. GATES.
 - f. FPL RIGHT TREERIGHT PLACE SETBACKS.
 - g. ANS 2:133 UTILITY CLEARANCE REQUIREMENTS
 - h. FIRE PROTECTION EQUIPMENT.
 10. SOIL AMENDMENT: BACKFILL PLANTING HOLES WITH A 75:25 MIX OF EXISTING SOIL AND DECOMPOSED COMPOST.
 11. FROM INSTALLATION TO FINAL ACCEPTANCE, AT A MINIMUM:
 - a. MAINTAIN PLANTS AT THE SPECIFIED MINIMUM GRADE.
 - b. OPERATE AND MAINTAIN THE IRRIGATION SYSTEM.

- c. MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4-INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HARD CLUMP.
- d. APPLY AN 8-2-1-4 LAG FERTILIZER, PLUS WATER SOLUBLE MICRONUTRIENTS, 100 PERCENT OF THE (N) NITROGEN, (K) POTASSIUM (Mg), MAGNESIUM AND (B) BORON MUST BE IN CONTROLLED RELEASE FORM. APPLY 1.5 POUNDS OF ACTUAL FERTILIZER PER 100 SQUARE FEET FROM A CALIBRATED SPREADER. BEGIN FERTILIZATION AT INSTALLATION AND REPEAT EVERY 3 MONTHS.
- e. MAINTAIN A 3-INCH RED MULCH COVER.
- f. PRUNING: AN ISA CERTIFIED ARBORIST MUST BE ON SITE TO DIRECT PRUNING OPERATIONS. FOLLOW ANSI A300 PART 1 PRUNING STANDARDS AND THESE PLANS. PRUNING IS REQUIRED TO:
 - i. REMOVE CROSSING, DEFLECTING, AND CIRCLING ROOTS.
 - ii. REMOVE CROSSING, DEAD, AND DAMAGED BRANCHES.
 - iii. ESTABLISH AND MAINTAIN FLORIDA NUMBER 1 BRANCH STRUCTURE.
 - iv. MAINTAIN HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT PER FCM CHAPTER 212.
 - v. MAINTAIN VISIBILITY OF SIGNS.
 - vi. COMPLY WITH THESE PLANS.

REVISIONS

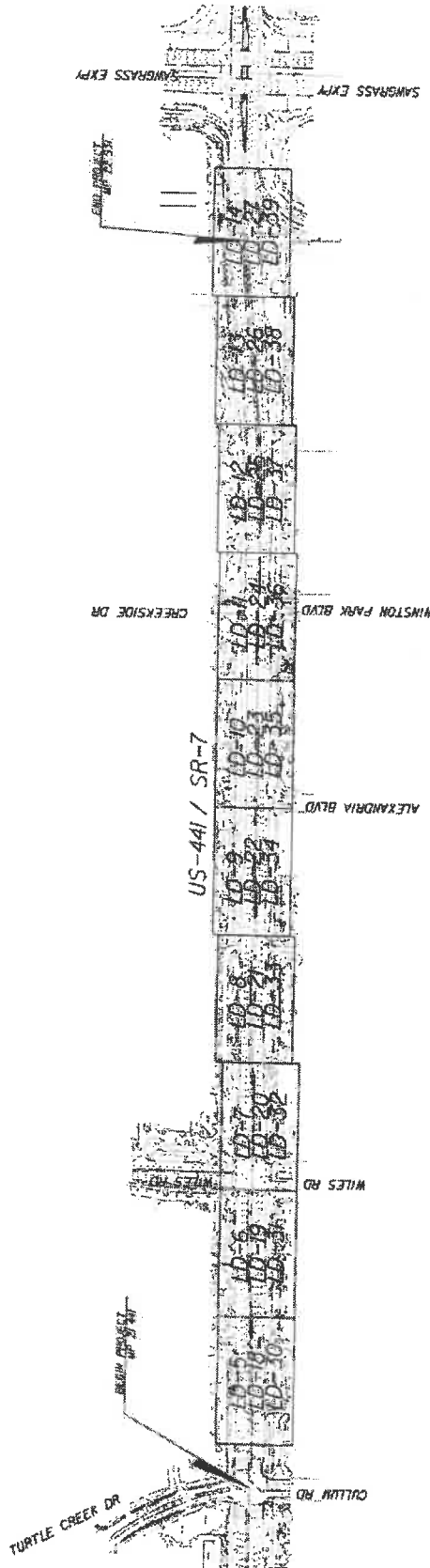


KS KEITH'S SCHNARS
 IS A DIVISION OF KCI
 6501 N. UNIVERSITY BLVD. SUITE 100
 BOCA RATON, FLORIDA 33433
 561-993-9999
 WWW.KSKEITHS.COM

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 7
 CITY OF COCONUT CREEK
 FINANCIAL PROJECT ID 449375-1-1-74-01

LANDSCAPE GENERAL NOTES

SHEET NO. LD-02



REVISIONS DATE: _____ BY: _____						STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID: 444935-1-75-01 CITY OF COCONUT CREEK		SHEET LAYOUT SHEET NO. LD-3	
		ROAD NO. 7		ROAD NO. 7		PROJECT NO. 444935-1-75-01		DATE: 02/08/09 DRAWN BY: J. W. ...	

DISPOSITION CHART

DISPOSITION CHART

NO.	SCIENTIFIC NAME	COMMON NAME	DBH INCH	SPREAD FOOT	HEIGHT FOOT	CONDITION	DISPOSITION	SHEET NO.
40	ORONCHUS VITIFOLIATA	LIVE OAK	4	18	20	FAIR	REMOVE	10 - 13
41	ORONCHUS VITIFOLIATA	LIVE OAK	6.5	22	26	GOOD	REMOVE	10 - 13
42	ORONCHUS VITIFOLIATA	LIVE OAK	4.5	8	12	OK-AD	REMOVE	10 - 13
43	ORONCHUS VITIFOLIATA	LIVE OAK	8	20	22	GOOD	REMOVE	10 - 13
44	ORONCHUS VITIFOLIATA	LIVE OAK	5.5	14	14	POOR	REMOVE	10 - 13
45	ORONCHUS VITIFOLIATA	LIVE OAK	6	10	18	GOOD	REMOVE	10 - 13
46	ORONCHUS VITIFOLIATA	LIVE OAK	8	18	19	GOOD	REMOVE	10 - 13
47	ORONCHUS VITIFOLIATA	LIVE OAK	9	18	24	GOOD	REMOVE	10 - 13
48	ORONCHUS VITIFOLIATA	LIVE OAK	10	18	26	GOOD	REMOVE	10 - 13
49	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
50	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
51	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
52	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
53	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
54	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
55	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
56	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
57	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
58	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
59	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
60	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
61	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
62	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
63	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
64	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
65	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
66	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13
67	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	26	GOOD	REMOVE	10 - 13

DISPOSITION CHART

DISPOSITION CHART

NO.	SCIENTIFIC NAME	COMMON NAME	DBH INCH	SPREAD FOOT	HEIGHT FOOT	CONDITION	DISPOSITION	SHEET NO.
1	ORONCHUS VITIFOLIATA	LIVE OAK	6	20	22	GOOD	REMOVE	10 - 13
2	ORONCHUS VITIFOLIATA	LIVE OAK	7	19	19	GOOD	REMOVE	10 - 13
3	ORONCHUS VITIFOLIATA	LIVE OAK	10	27	22	GOOD	REMOVE	10 - 13
4	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	18	GOOD	REMOVE	10 - 13
5	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
6	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
7	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
8	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
9	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
10	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
11	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
12	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
13	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
14	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
15	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
16	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
17	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
18	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
19	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
20	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
21	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
22	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
23	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
24	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
25	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
26	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
27	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
28	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
29	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
30	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
31	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
32	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
33	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
34	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
35	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
36	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
37	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
38	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
39	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
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41	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
42	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
43	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
44	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13
45	ORONCHUS VITIFOLIATA	LIVE OAK	10	19	20	GOOD	REMOVE	10 - 13

- PLANT RELOCATION NOTES
1. ATTACH TREE IDENTIFICATION TAGS THAT MATCH PLANT NUMBERS.
 2. WATER TREE ROOT ZONES TO FIELD CAPACITY FOR 3 CONTINUOUS DAYS BEFORE ROOT PRUNING.
 3. ROOT PRUNE 6 WEEKS BEFORE RELOCATION.
 4. ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED.
 5. NUMBER ONE OR BETTER.
 6. MAINTAIN THE SOIL MOISTURE WITH FLORIDA GROUNDS AND STANDARDS FLORIDA.
 7. BRACE ROOT PRUNED TREES AWAITING RELOCATION.
 8. INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION.
 9. MAINTAIN TREES IN THEIR ORIGINAL CONDITION OR BETTER.

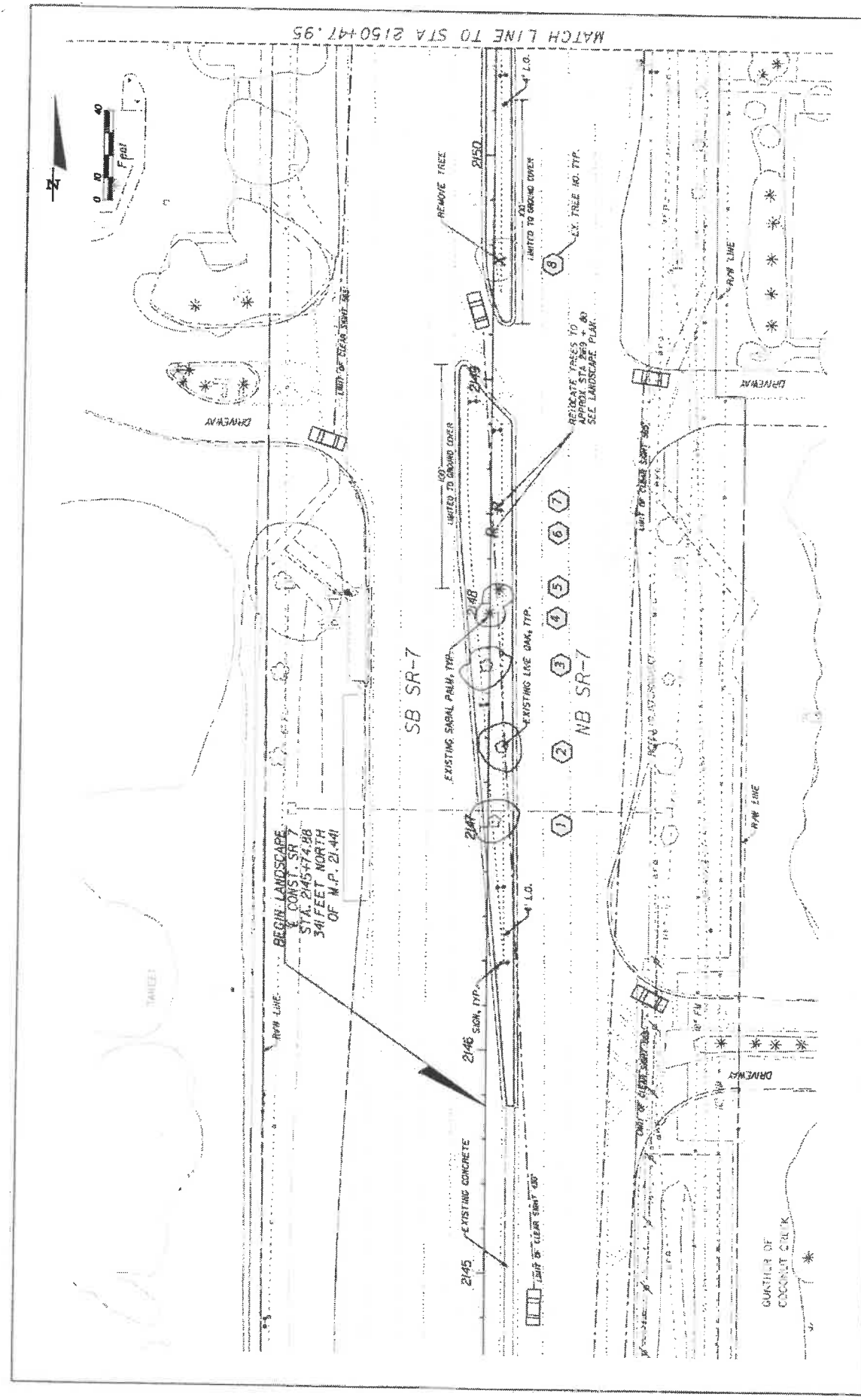


KS KEITH & SCHWAB
 A DIVISION OF KCI
 1000 N. W. 10th St., Suite 200, Ft. Lauderdale, FL 33304
 LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA
 CONTRACT NO. 44-935-1-74-01

STATE OF FLORIDA
 DEPARTMENT OF TRANSPORTATION
 ROAD NO. 7
 CITY OF COCONUT CREEK
 PROJECT ID 44-935-1-74-01

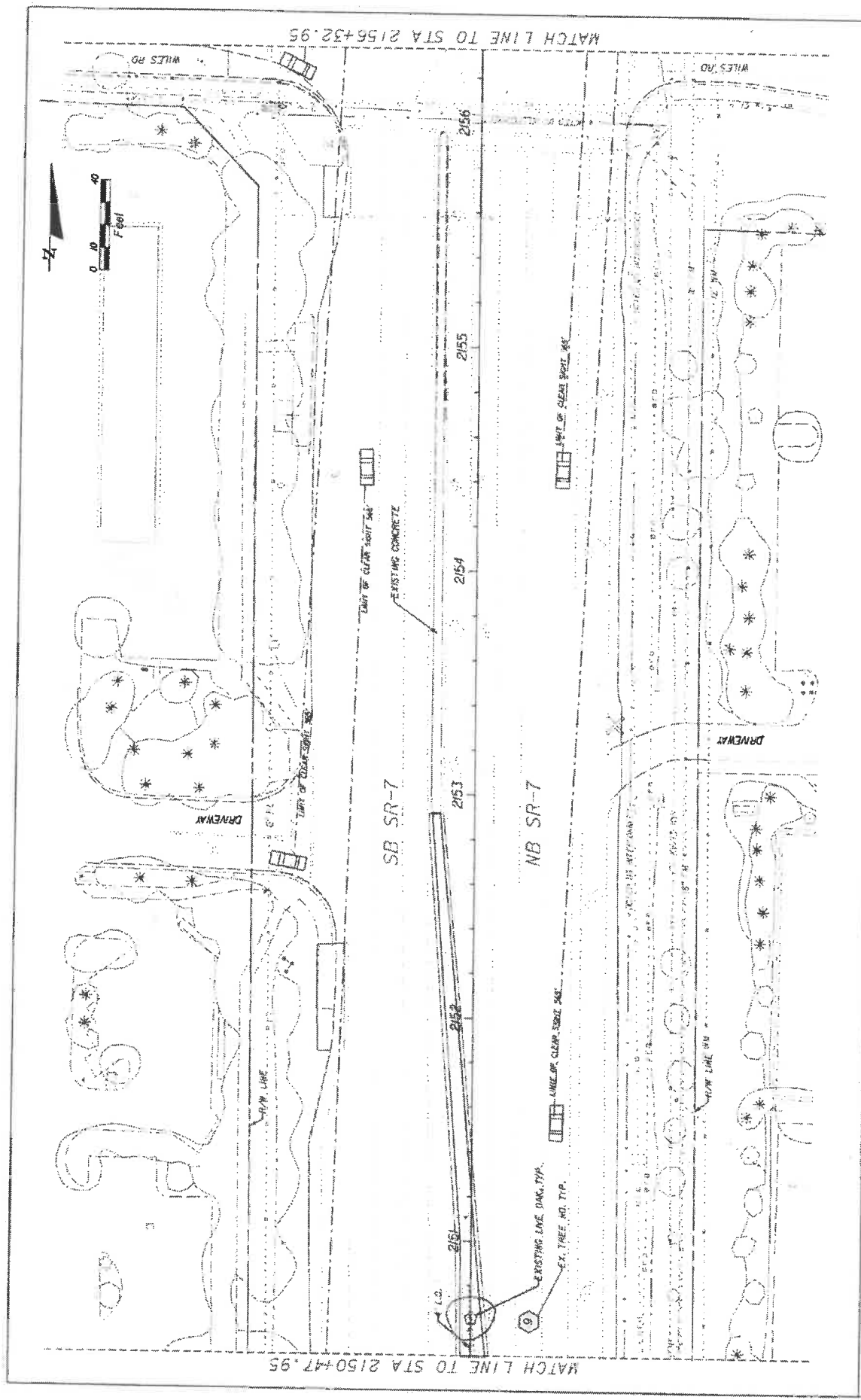
TREE DISPOSITION CHART

SHEET NO. LD-04

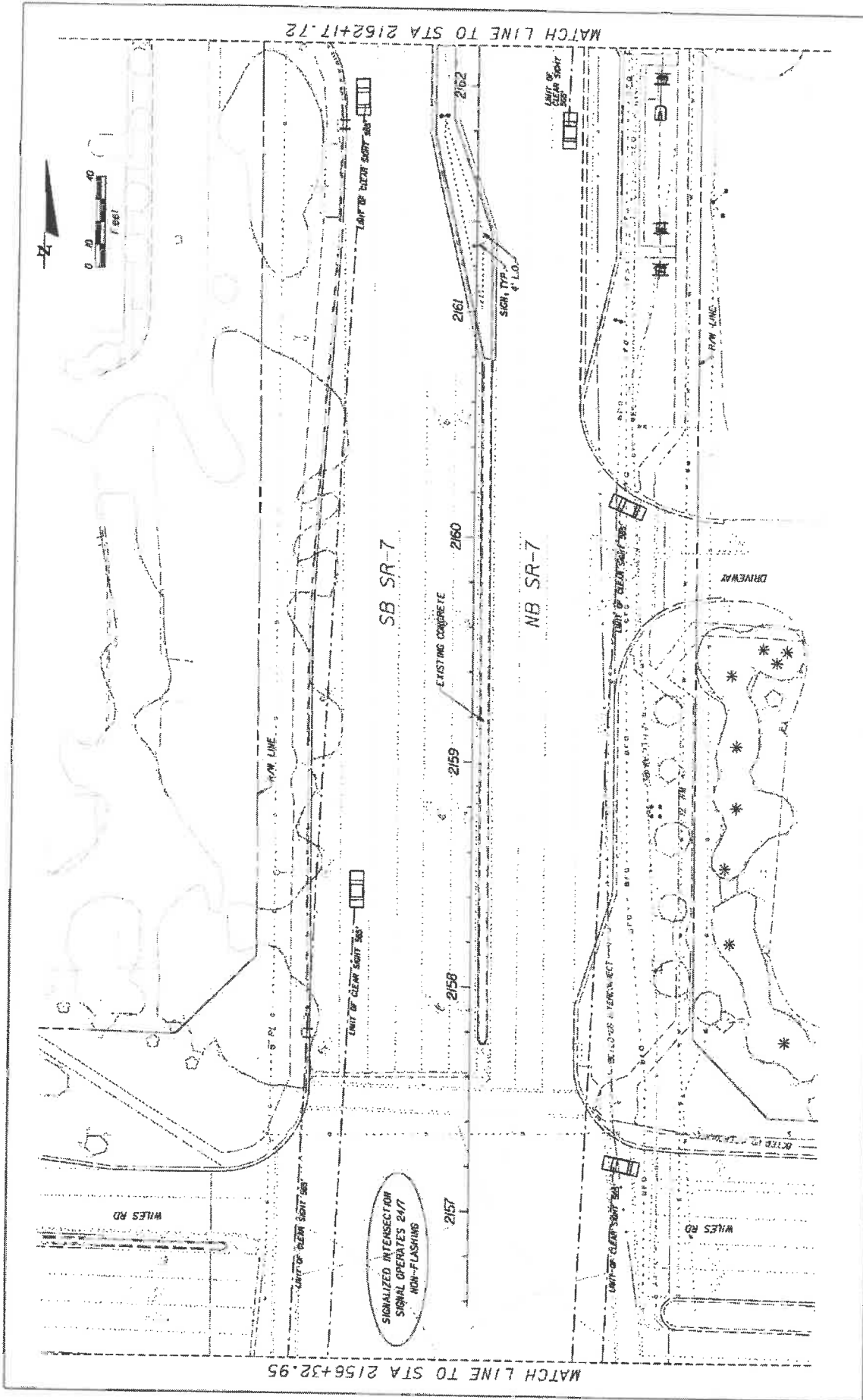


REVISED	REVISIONS	KS KEITH & SCHNARS IN A DIVISION OF KCI LANDSCAPE ARCHITECTS OF RECORD, 1400 N. UNIVERSITY BLVD., SUITE 100, BOCA RATON, FL 33433 LANDSCAPE ARCHITECTS	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-05
		ROAD NO. 7	CITY OF COCONUT CREEK	
		PROJECT NO. 44-835-1-74-01	FRANCHISE PROJECT NO.	

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 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT NO. 44-835-1-74-01
 SHEET NO. LD-05

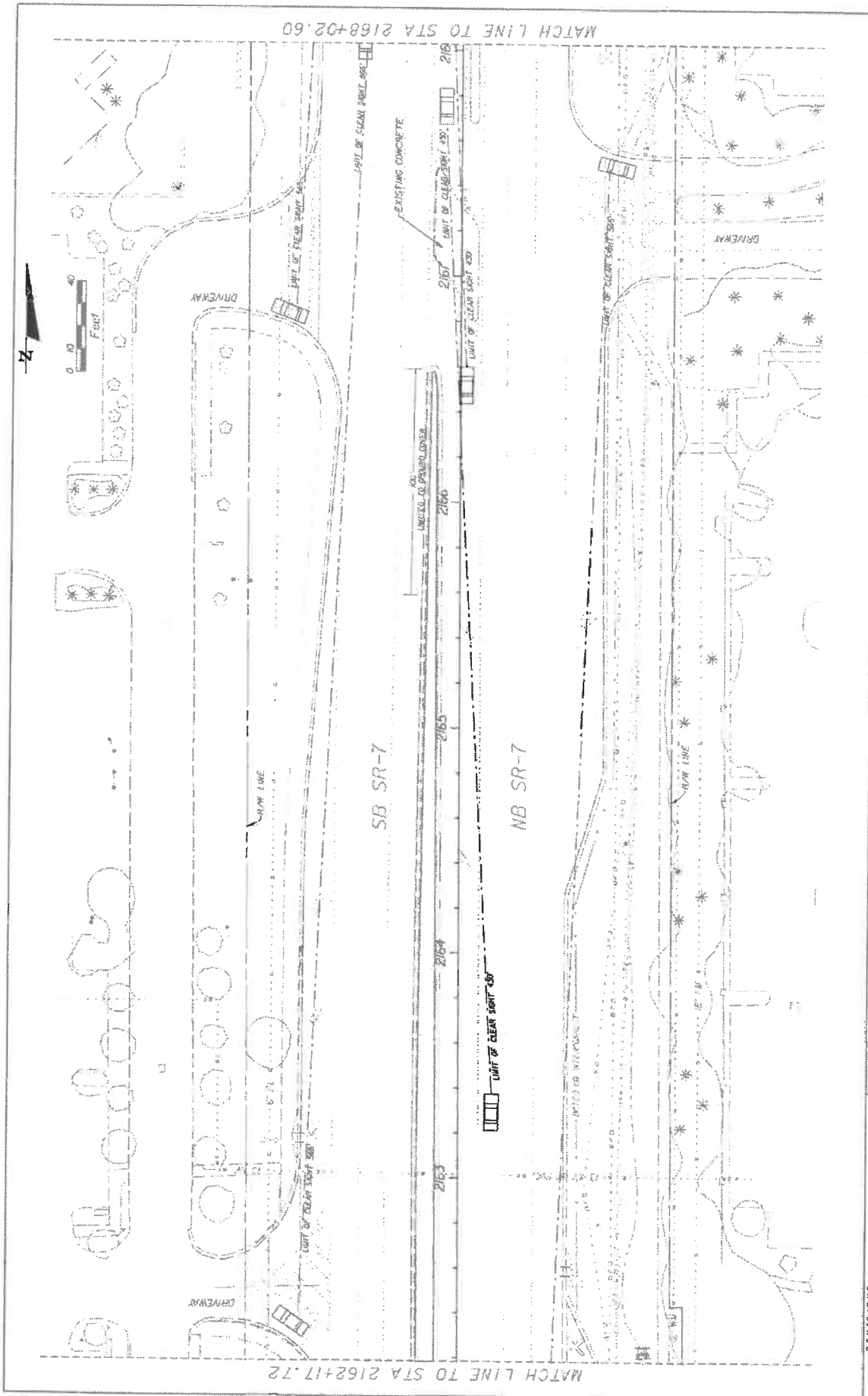


REVISIONS	STATE OF FLORIDA		SHEET NO. LD-08
	DEPARTMENT OF TRANSPORTATION		
CITY OF COCONUT CREEK	PROJECT NO.	44-035 1-74-01	TREE DISPOSITION PLAN
	CHECKED BY	COCONUT CREEK	
KS KEITHA SCHNARS A DIVISION OF KGI		DATE: 7/14/01	
BUTTERNUT CAPITAL OF THE WORLD		DATE: 7/14/01	

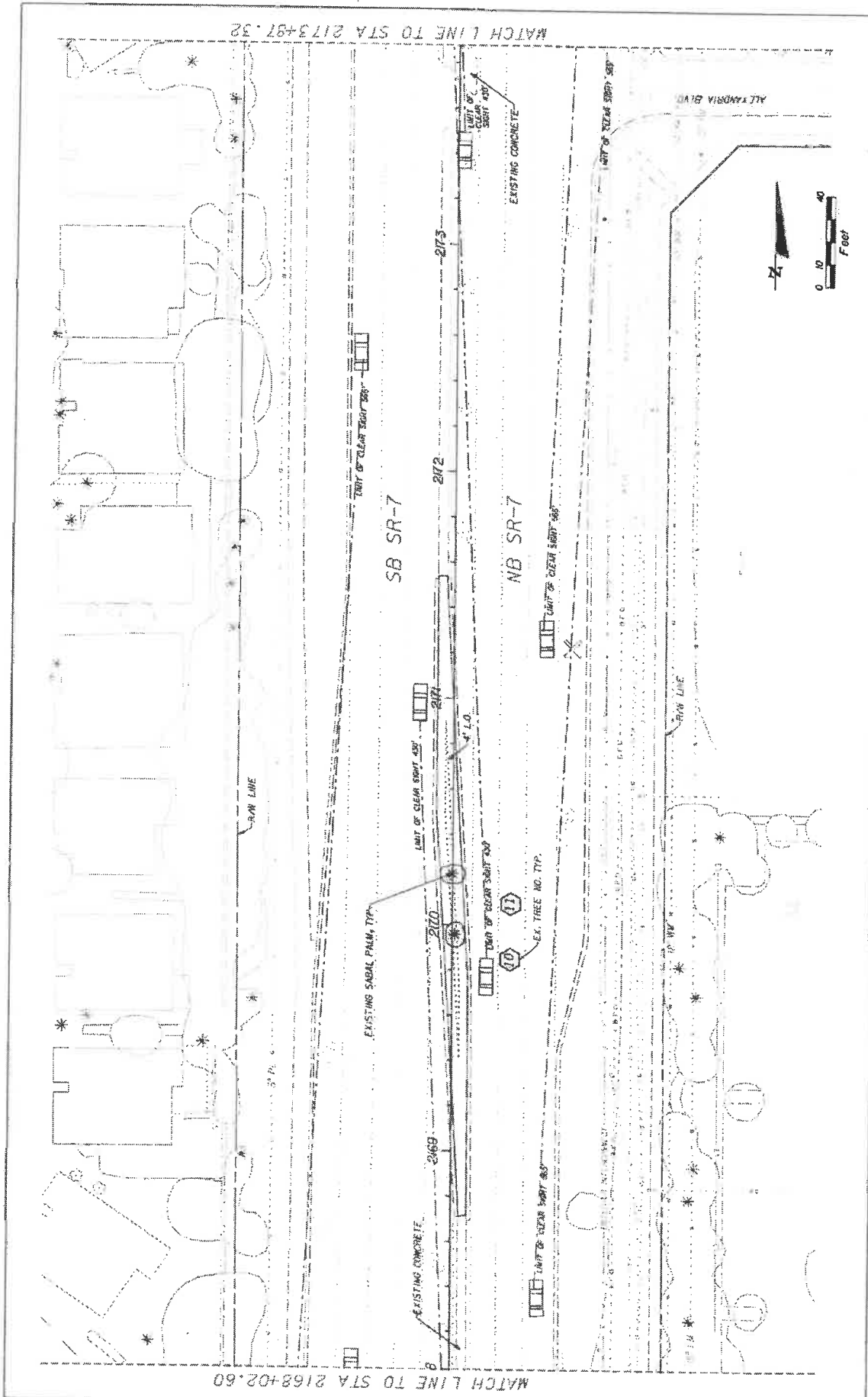


REVISED	REVISED	REVISED	REVISED		
REVISORS	DATE	REVISIONS	DATE		
 BUTTERFLY CAPITAL OF THE WORLD		 KEITH & SOINARS IN A DIVISION OF KCI <small> 10000 N. American Ave., Landover, MD 21116 410.321.1100 WWW.KCSOINARS.COM </small>		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 CITY OF COCONUT CREEK FINANCIAL PROJECT ID 444935-1-74-01	
TREE DISPOSITION PLAN		SHEET NO. LO-07			

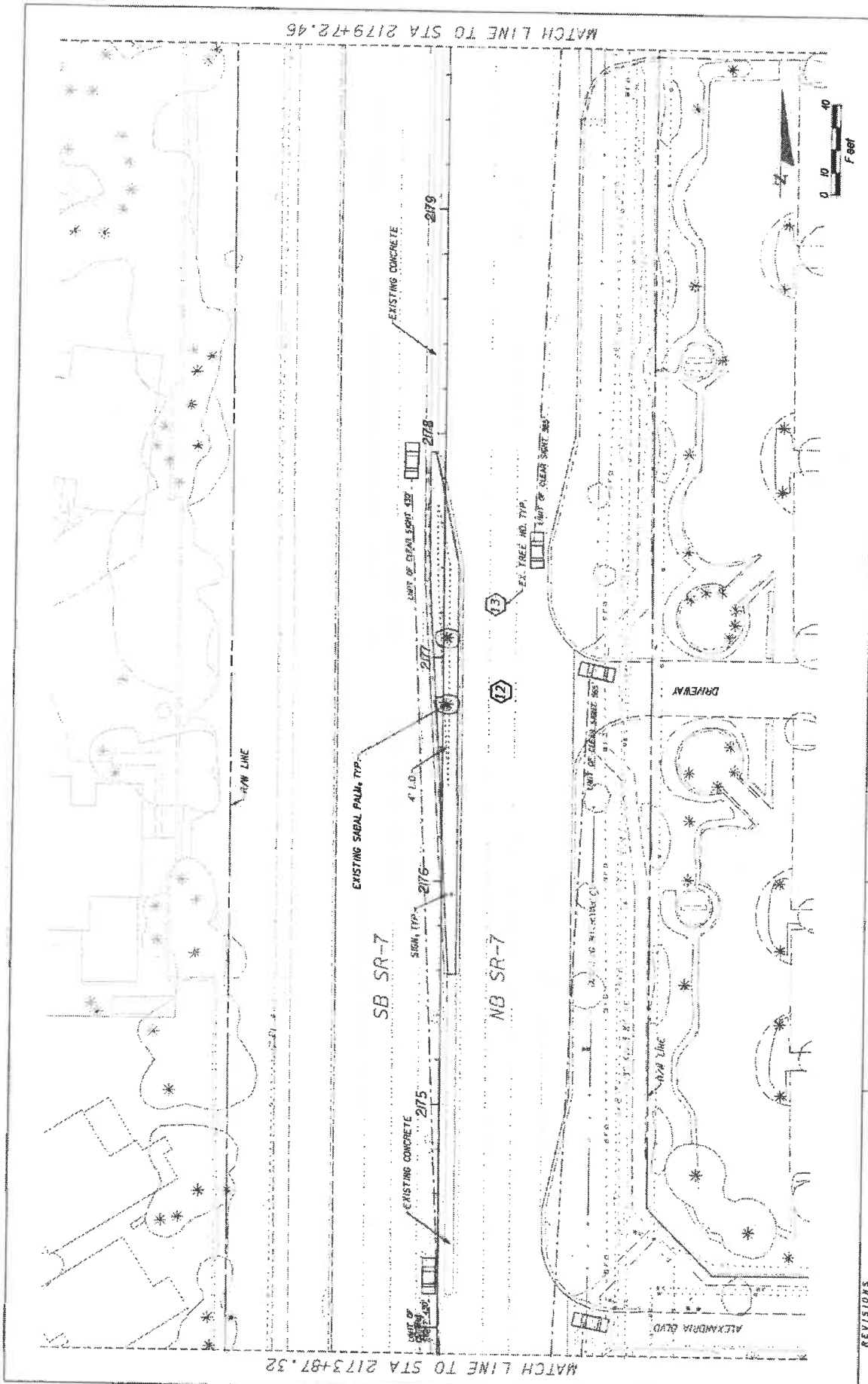
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DATE	REVISIONS	DESCRIPTION	KS KEITH & SCHNARS A DIVISION OF KCI <small>REGISTERED PROFESSIONAL ENGINEERS AND ARCHITECTS</small> <small>STATE OF FLORIDA LICENSE NO. 13087</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION <small>FLORIDA PROJECT #</small> <small>444935-174-D1</small>		SHEET NO.
			<small>ROAD #</small> 7	<small>PROJECT NUMBER</small> 444935-174-D1	LD-08		
			Coconut Creek BUTTERFLY CAPITAL OF THE WORLD®				

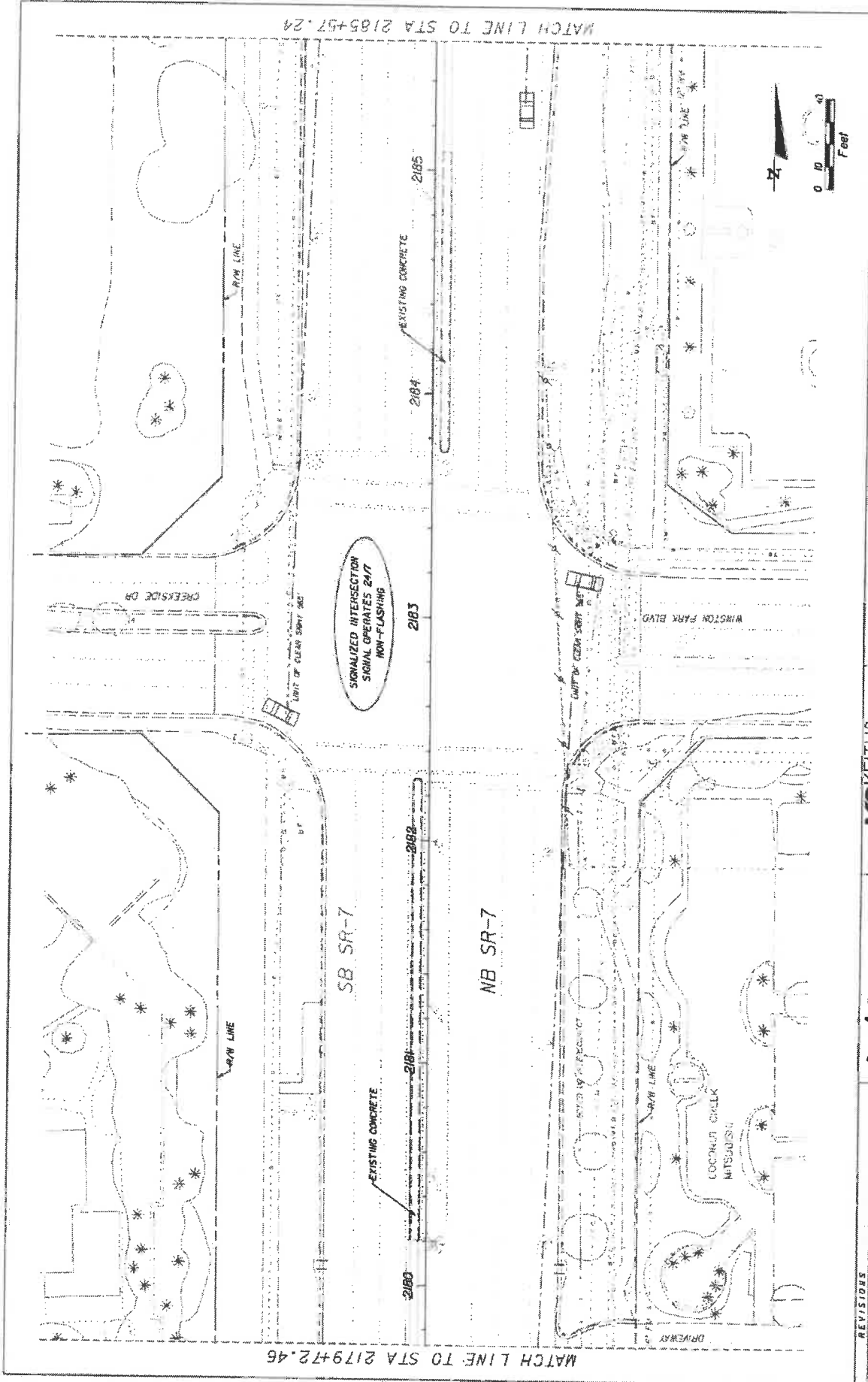


REVISIONS NO. DESCRIPTION	 Coconut Creek BUTTERFLY CAPITAL OF THE WORLD®	KS KEITH & SCHNARS A DIVISION OF KCI <small>20001 ADDRESS RD., LANTANA, FL 33462-2307 (561) 875-8018 LICENSE # 12506 STATE BOARD OF AUTOMOBILE INSUR.</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CITY OF COCONUT CREEK	FINANCIAL PROJECT ID 444935-174-01	SHEET NO. LD-09
			ROAD NO. 7	TREE DISPOSITION PLAN	DATE 08/12/2019



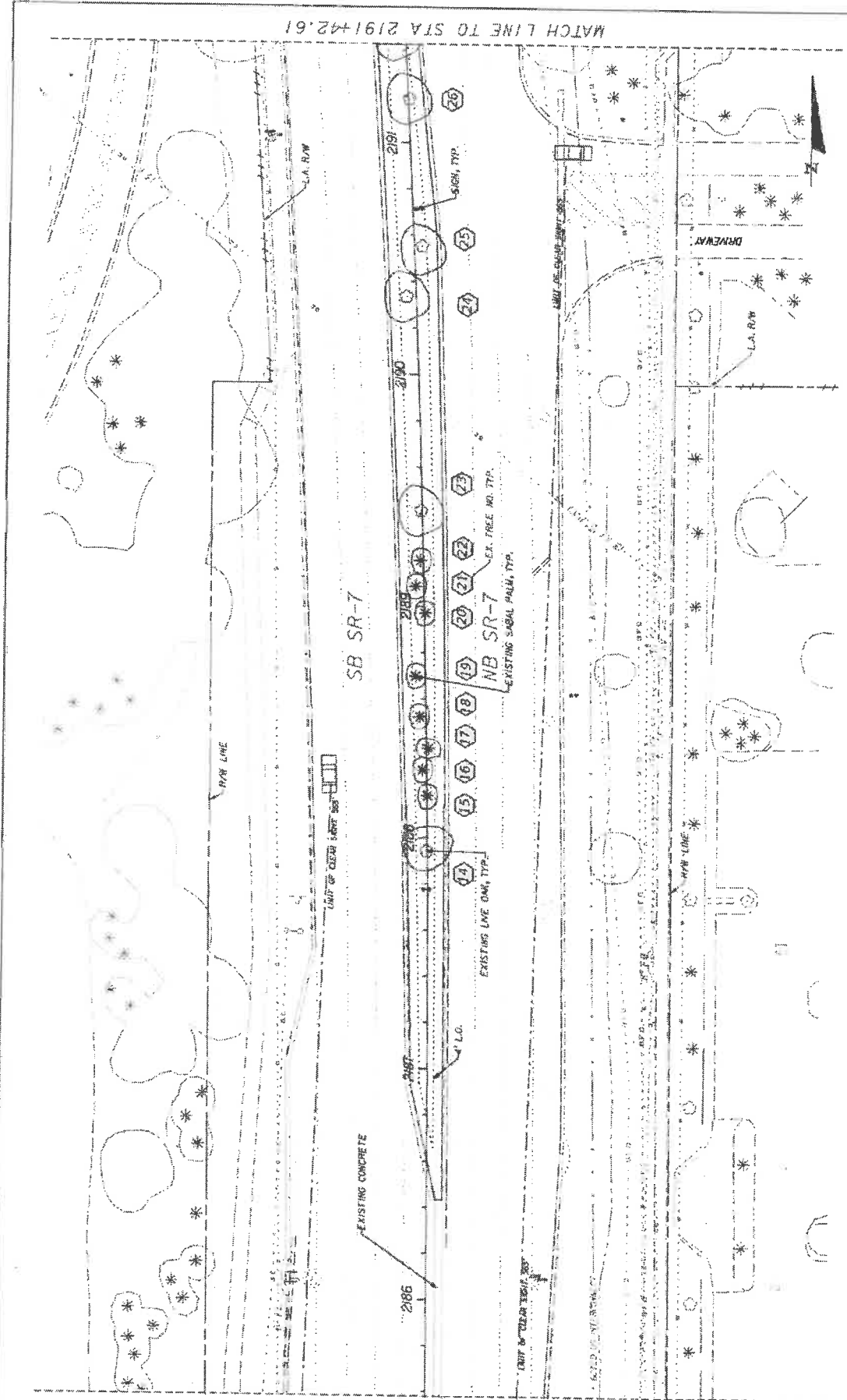
REVISIONS	DESCRIPTION	DATE	KS KEITH & SCHNARS S-A DIVISION OF KCI <small>AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 COUNTY COCONUT PROJECT ID: 44835-174-01	COCONUT CREEK BUTTERFLY CAPITAL OF THE WORLD!	SHEET NO. LD-10
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4/13/2015 2:05:23 PM
 2015/04/13 2:05:23 PM
 44835-174-01



REVISIONS	KS KEITH & SCHNARS P.A. DIVISION OF KCI <small>LANDSCAPE ARCHITECTS OF RECORD, 1000 W. WEAVER BLVD., SUITE 200, COCONUT CREEK, FL 33066</small> <small>CERTIFICATE OF PROFESSIONAL DESIGN</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-11
	Coconut Creek BUTTERFLY CAPITAL OF THE WORLD		FINANCIAL PROJECT ID 444935-1-74-01	TREE DISPOSITION PLAN
ROAD NO. 7 CITY OF COCONUT CREEK		FINANCIAL PROJECT ID 444935-1-74-01	PROJECT NO. 2179-24	DATE 11/11/11

MATCH LINE TO STA 2185+57.24



MATCH LINE TO STA 2191+42.61

REV 10/20/05

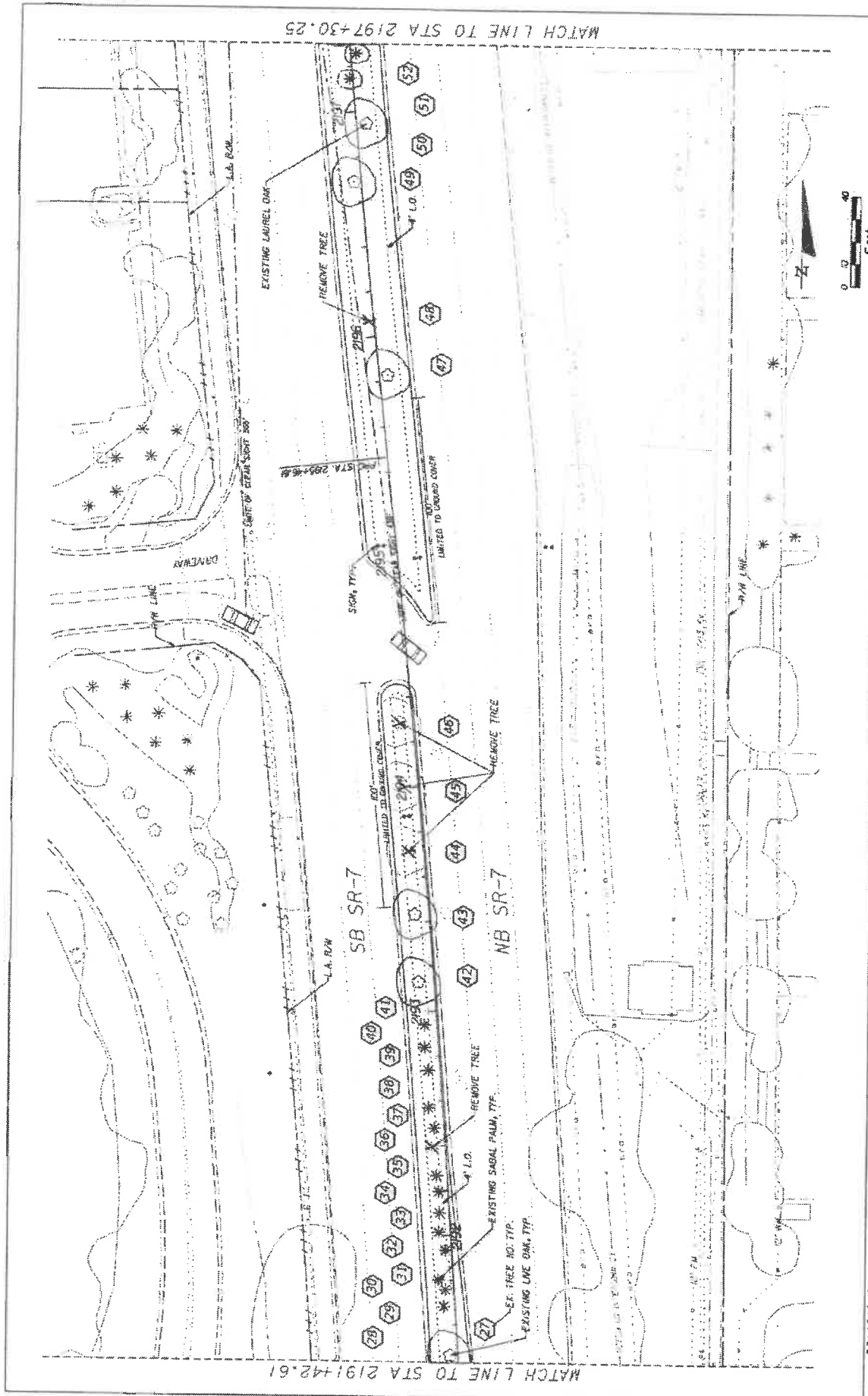


KS KEITH & SCHNARS
P.A. DIVISION OF KCI

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. 1
PROJECT NO. 44-535-1-74-01
CITY OF COCONUT CREEK

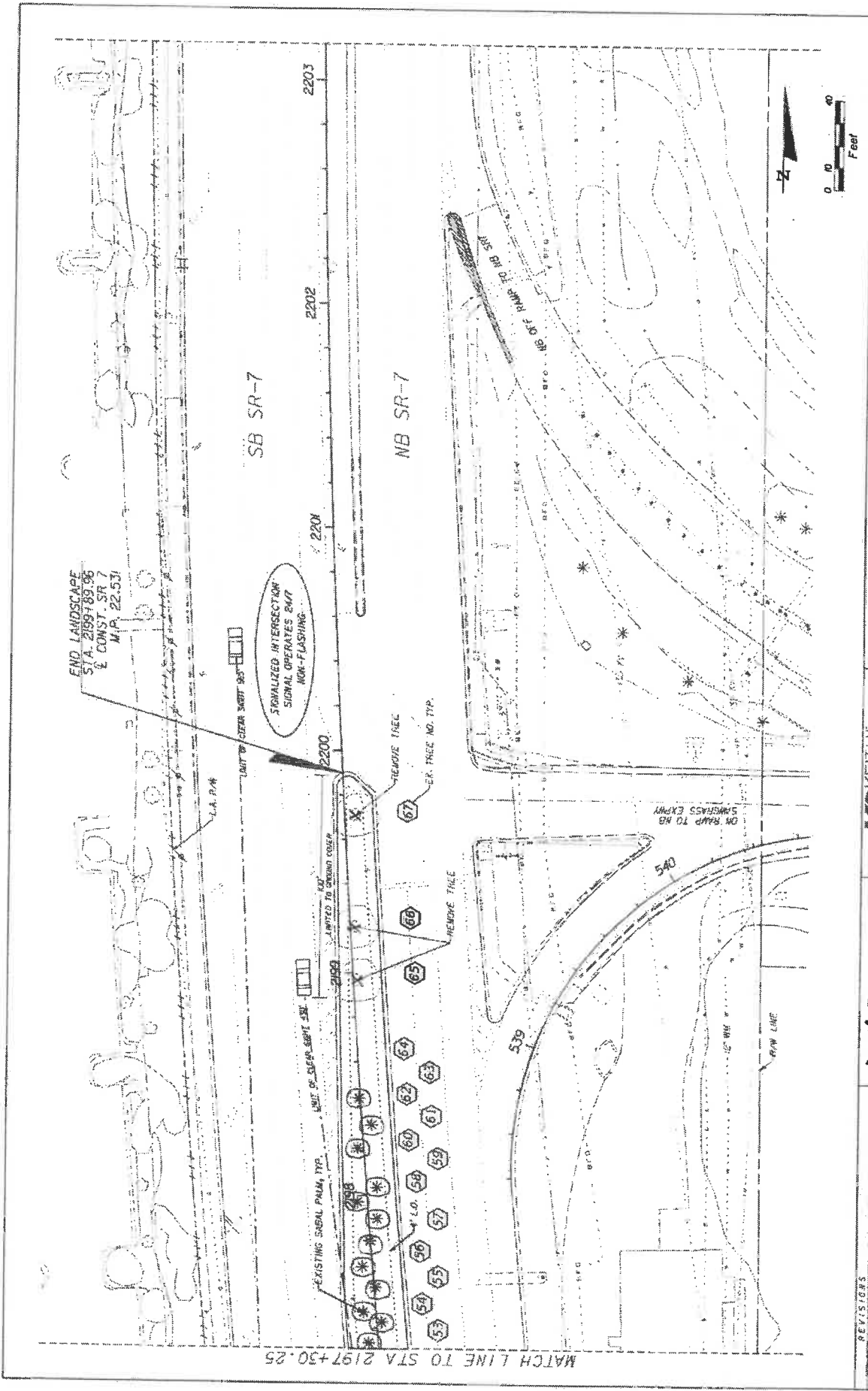
TREE DISPOSITION PLAN

SAFETY No. LD-12



CITY: <u> </u> REVISIONS: <u> </u>	KS KEITH & SCHNARS A DIVISION OF KCI <small>4800 N. University Ave., Ft. Lauderdale, FL 33309 LICENSED PROFESSIONAL ENGINEERS AND ARCHITECTS CONTRACTORS OF AUTOMOTIVE TRUCKS</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. <u>7</u> FISCAL YEAR <u>01</u> PROJECT NO. <u>444935-1-74-01</u>	SHEET NO. <u>LD-13</u> TREE DISPOSITION PLAN
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4/2/04 8:50 AM 2197+30.25 STA 7 SR-7 Draw P:\000\000000\000000.DWG



REV	REVISIONS	KS KEITH & SCHNARS A DIVISION OF KCI <small>LANDSCAPE ARCHITECTS OF RECORD, 1400 WASHINGTON BLVD., SUITE 1000, BUTTEFLY CAPITAL OF THE WORLD, BUTTEFLY, FLORIDA 32515</small>	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 CITY OF COCONUT CREEK COUNTY OF DADE PROJECT NO. 444935-1-74-01	SHEET NO.	LD-14
				TITLE	TREE DISPOSITION PLAN

LANDSCAPE TABULATION OF QUANTITIES

Date: 4/11/2019
Local Name: S.R. 7 HBC GRANT

Client: Mr. & Mrs. John C. & Deborah M. Grant, 11250 P.O. Box 100, Jacksonville, FL 32216

KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SPACING	CAL	SIZE	REMARKS
SHRUBS							
IV	184	ILEX VOMIFORA 'STOKES DWARF'	DWARF YAUPOIN HOLLY	24 IN O.C.	N/A	36 12 IN HT X 12 IN SPR	
CI	842	CHRYSOBALANUS ICACO 'HORIZONTALIS'	HORIZONTAL COCOPLUM	24 IN O.C.	N/A	36, 48 IN HT X 9 IN SPR	
TJ	741	TRACHELOSPERMUM JASMINEDES	CONFEDERATE JASMINE	24 IN O.C.	N/A	36 18 IN HT X 9 IN SPR	
TREES							
BA	3	BULNESIA ARBOREA	IVERWOOD TREE	AS SHOWN	2.5 IN	45G 10 FT HT 5 FT SPR	
LS	8	QUERUS VIRGINIANA SPECIOSA	QUEEYS GRAPE MYRTLE	AS SHOWN	2 IN	10 FT HT X 6 FT SPR	SINGLE TRUNK (STANDARD)
QV	10	QUERUS VIRGINIANA	SOUTHERN LIVE OAK	AS SHOWN	3-4 IN	14 FT HT X 7 FT SPR	
SP	10	SABAL PALMETTO	SABAL PALM	AS SHOWN	N/A	12 - 24 FT, O.A.	BOODED
SPR	2	SABAL PALMETTO - RELOCATED	RELOCATED SABAL PALM	AS SHOWN	N/A		
PE	20	PTYCHOSPERMA ELEGANS	SOLITARE PALM	AS SHOWN	4 IN	5 FT CT, 10 FT CT, MATCHED	
SOB							
SA	18,718	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE GRASS	BOG		SQUARE FOOT	
MULCH							
	1,200		RED MULCH	MULCH		CUBIC YARDS	
PAVERS							
	7,800		CONCRETE PAVERS	PAVERS		SQUARE FOOT	

REVISIONS



KS KEITH & SCHNARS
P.A. DIVISION OF KCI
LANDSCAPE ARCHITECTS & PLANNERS
10000 W. BAYVIEW BLVD., SUITE 100
DADE COUNTY, FL 33147
CERTIFICATE OF PROFESSIONAL FOST

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
PROJECT NO. 7
CITY OF COCONUT CREEK
FINANCIAL PROJECT ID 444935-1-14-01

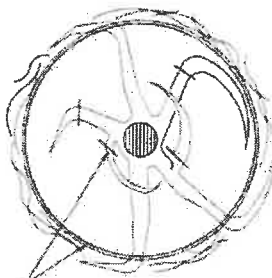
PLANT SCHEDULE

SHEET NO.

LD-15

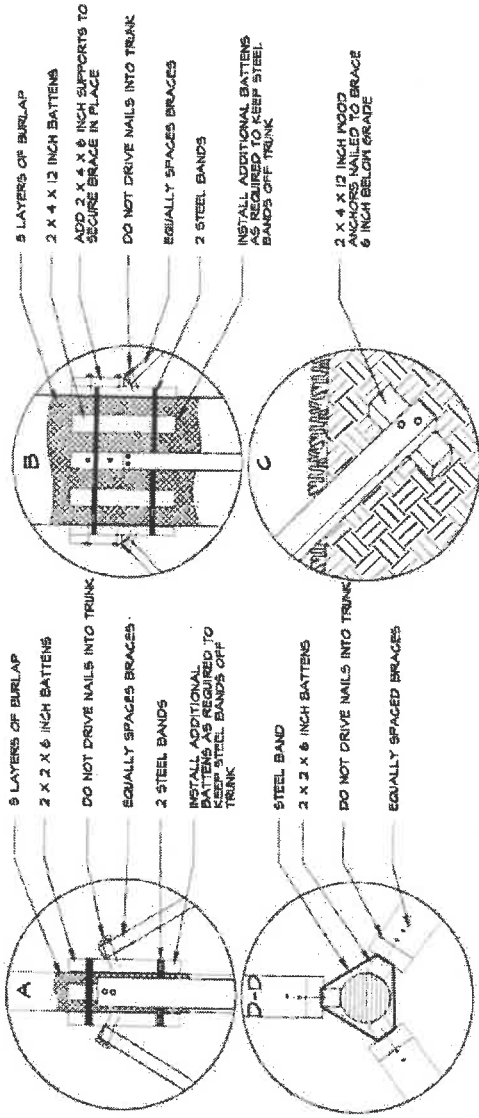
4/12/2019 05:04:11 PM C:\Users\jgrant\Documents\PLANT SCHEDULE.dwg

NOTE:
CUT CROSSING, DEFLECTING AND CIRCLING ROOTS BEFORE
INSTALLATION. THIS MAY REQUIRE CUTTING ALL OR THE ROOTS AT
THE ROOTBALL PERIMETER, RADIALLY PRUNING THE ROOTBALL TOP
TO BOTTOM AND CUTTING INDIVIDUAL ROOTS.



ROOT PRUNING
CUTS, TYPICAL

ROOT PRUNING REQUIREMENT



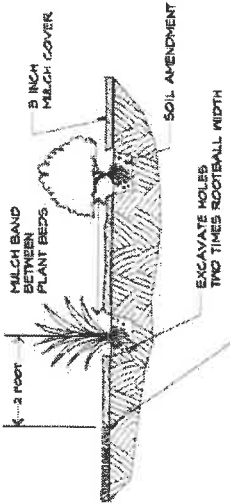
9 LAYERS OF BURLAP
2 X 2 X 6 INCH BATTENS
DO NOT DRIVE NAILS INTO TRUNK
EQUALLY SPACES BRACES
2 STEEL BANDS
INSTALL ADDITIONAL
BATTENS AS REQUIRED TO
KEEP STEEL BANDS OFF
TRUNK

5 LAYERS OF BURLAP
2 X 4 X 12 INCH BATTENS
ADD 2 X 4 X 6 INCH SUPPORTS TO
SECURE BRACE IN PLACE
DO NOT DRIVE NAILS INTO TRUNK
EQUALLY SPACES BRACES
2 STEEL BANDS
INSTALL ADDITIONAL BATTENS
AS REQUIRED TO KEEP STEEL
BANDS OFF TRUNK

STEEL BAND
2 X 2 X 6 INCH BATTENS
DO NOT DRIVE NAILS INTO TRUNK
EQUALLY SPACED BRACES

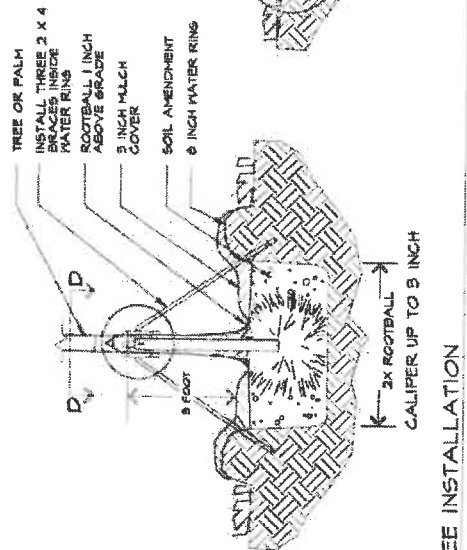
2 X 4 X 12 INCH MOOP
ANCHORS NAILED TO BRACE
6 INCH BELOW GRADE

TYPICAL SHRUB PLANTING
SETBACK WHERE BRUBS
ARE ADJACENT TO SOID
SIDEWALK OR PAVEMENT



3 FOOT
MULCH BAND
BETWEEN
PLANT BEDS
5 INCH
MULCH COVER
SOIL AMENDMENT
EXCAVATE HOLES
TWO TIMES ROOTBALL WIDTH
INSTALL MULCH 1/4 INCH BELOW TOP OF
ADJACENT CURB WHERE ONE EXISTS.

SHRUB INSTALLATION



TREE OR PALM
INSTALL THREE 2 X 4
BRACES INSIDE
WATER RING
ROOTBALL 1 INCH
ABOVE GRADE
3 INCH MULCH
COVER
SOIL AMENDMENT
6 INCH WATER RING

9 FOOT
6 FOOT
2X ROOTBALL
CALIPER UP TO 8 INCH

2X ROOTBALL
CALIPER OVER 8 INCH

TREE INSTALLATION

REVISIONS

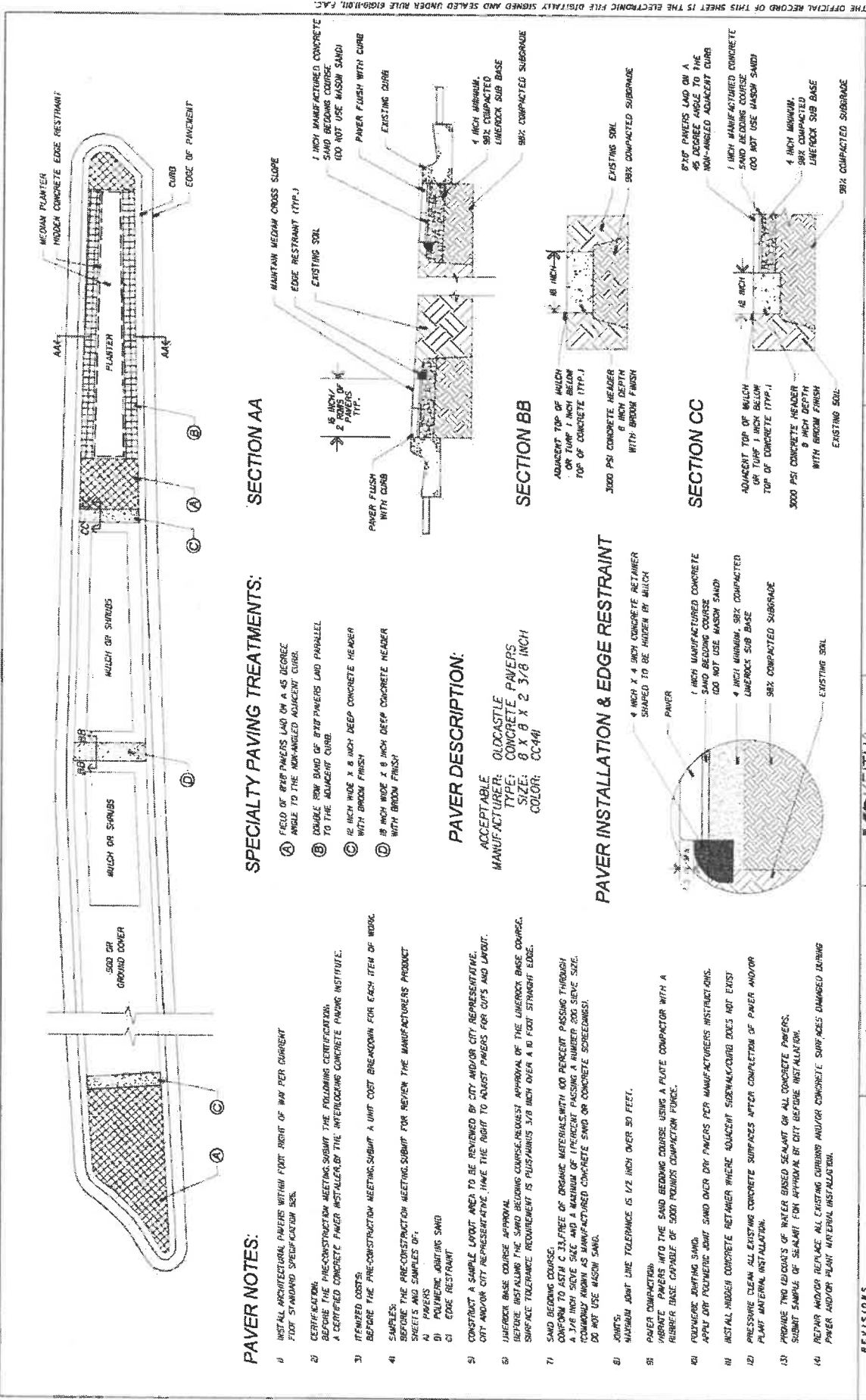


KS KEITH & SCHNARS
A DIVISION OF KCI
4801 S. Arroyo Ave. Ft. Lauderdale, FL 33309
LANDSCAPE ARCHITECTS
CERTIFICATE OF AUTHORIZATION #1037

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. 7
CITY OF COCONUT CREEK
PROJECT TO 444935-1-74-01

LANDSCAPE DETAILS

SHEET
NO.
LD-16



PAVER NOTES:

- 1) INSTALL ARCHITECTURAL PAVERS WITHIN FOOT RISE OF 3/4" PER CURRENT FOOT STANDARD SPECIFICATION SEE.
- 2) CERTIFICATION: BEFORE THE PRECONSTRUCTION MEETING, SUBMIT THE FOLLOWING CERTIFICATION: A CERTIFIED CONCRETE PAVEMENT INSTALLER, BY THE INTERLOCKING CONCRETE PAVING INSTITUTE.
- 3) ITEMIZED COSTS: BEFORE THE PRECONSTRUCTION MEETING, SUBMIT A UNIT COST BREAKDOWN FOR EACH ITEM OF WORK.
- 4) SAMPLES: BEFORE THE PRECONSTRUCTION MEETING, SUBMIT FOR REVIEW THE MANUFACTURERS PRODUCT SHEETS AND SAMPLES OF:
 - A) PAVERS
 - B) POLYMERIC BONDING SAND
 - C) EDGE RESTRAINT
- 5) CONSTRUCT A SAMPLE LAYOUT AREA TO BE REVIEWED BY CITY AND/OR CITY REPRESENTATIVE. CITY AND/OR CITY REPRESENTATIVE, HAVE THE RIGHT TO ADJUST PAVERS FOR CUTS AND LAYOUT.
- 6) LINEROCK BASE COURSE APPROVAL: BEFORE INSTALLING THE SAND BEDDING COURSE, REQUEST APPROVAL OF THE LINEROCK BASE COURSE. SURFACE TOLERANCE REQUIREMENT IS PLUS/MINUS 3/8" OVER A 10 FOOT STRAIGHT EDGE.
- 7) SAND BEDDING COURSE: CONFORM TO A.C.T. 11-02, OR AS PER THE MANUFACTURER'S INSTRUCTIONS. A 3/8" INCH SIEVE SIZE AND A MAXIMUM OF 1% FINE MATERIAL SHALL BE PERMITTED. COURSE SHALL BE MANUFACTURED CONCRETE SAND OR CONCRETE SCREENINGS. DO NOT USE WASH SAND.
- 8) JOINTS: MAINTAIN JOINT LINE TOLERANCE IS 1/2" HIGH OVER 50 FEET.
- 9) PAVEMENT COMPACTOR: VIBRATE PAVERS INTO THE SAND BEDDING COURSE USING A PLATE COMPACTOR WITH A RUBBER BASE CAPABLE OF 500 POUNDS COMPACTOR FORCE.
- 10) POLYMERIC BONDING SAND: APPLY DRY POLYMERIC BOND SAND OVER DRY PAVERS PER MANUFACTURERS INSTRUCTIONS.
- 11) INSTALL HIDDEN CONCRETE RETAINER WHERE ADJACENT SIDEWALK/CURB DOES NOT EXIST.
- 12) PRESURE CLEAN ALL EXISTING CONCRETE SURFACES AFTER COMPLETION OF PAVEMENT AND/OR PLANT MATERIAL INSTALLATION.
- 13) PROVIDE TWO TENDONS OF WATER BASED SEALANT ON ALL CONCRETE PAVERS. SUBMIT SAMPLE OF SEALANT FOR APPROVAL BY CITY BEFORE INSTALLATION.
- 14) RETAIN AND/OR REPLACE ALL EXISTING CURBS AND/OR CONCRETE SURFACES DAMAGED DURING PAVEMENT AND/OR PLANT MATERIAL INSTALLATION.

SPECIALTY PAVING TREATMENTS:

- A) FIELD OF PAVEMENT LAID ON A 45 DEGREE ANGLE TO THE NON-ANGLED ADJACENT CURB.
- B) DOUBLE ROW BAND OF 8" PAVEMENTS LAY PARALLEL TO THE ADJACENT CURB.
- C) 12" HIGH WIDE X 8" DEEP CONCRETE HEADER WITH BROOK FINISH.
- D) 18" HIGH WIDE X 8" DEEP CONCRETE HEADER WITH BROOK FINISH.

PAVER DESCRIPTION:

ACCEPTABLE OLDCASTLE CONCRETE PAVERS
 MANUFACTURE: TYPE: 8 X 8 X 2 3/8 INCH
 SIZE: COLOR: CC-44

PAVER INSTALLATION & EDGE RESTRAINT

4" INCH X 4" INCH CONCRETE RESTAINER SHAPED TO BE HIDDEN BY MULCH



1" INCH MANUFACTURED CONCRETE SAND BEDDING COURSE
 DO NOT USE WASH SAND
 4" INCH MINIMUM, 5/8" COMPACTED LINEROCK SUB BASE
 98% COMPACTED SUBGRADE
 EXISTING SOIL

SECTION AA



15" INCH, 2 ROWS OF PAVERS (TYP.)
 PAVEMENT FLUSH WITH CURB

SECTION BB



ADJACENT TOP OF MULCH OR TYP. 1" INCH BELOW TOP OF CONCRETE (TYP.)

SECTION CC



ADJACENT TOP OF MULCH TYP. 1" INCH BELOW TOP OF CONCRETE (TYP.)

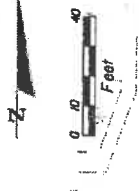
NO.	REVISIONS

Coconut Creek
 BUTTERFLY CAPITAL OF THE WORLD

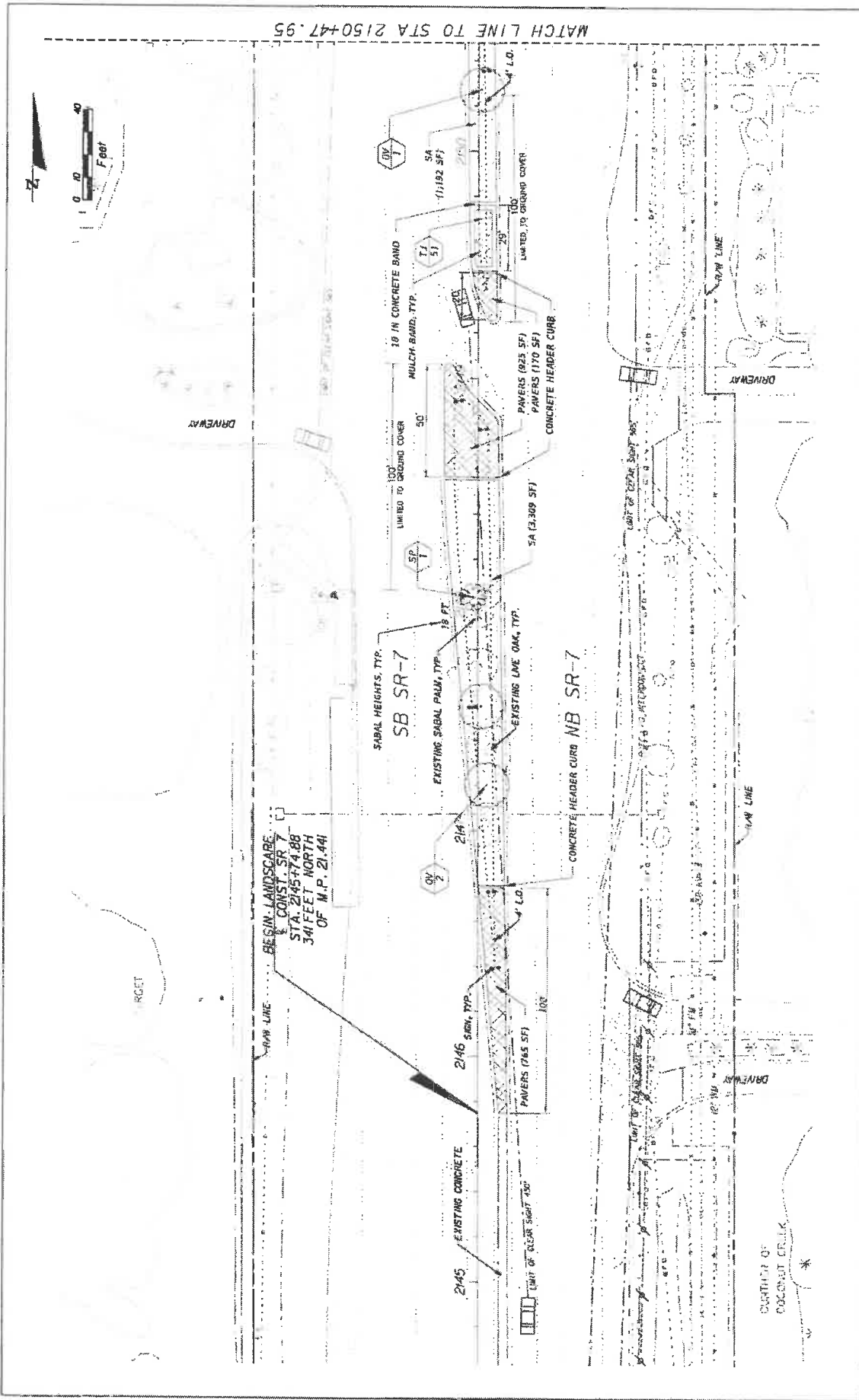
KS KEITH & SCHNARS
 A DIVISION OF KCI
 LANDSCAPE ARCHITECTS OF RECORD FOR COCONUT CREEK, FLA. LANDSCAPE ARCHITECTS OF RECORD FOR THE STATE OF FLORIDA
 444935-1-74-01
 COUNTY: COCONUT
 PROJECT ID: FINANCIAL PROJECT ID

HARDSCAPE DETAILS

DATE: 05/26/2016
 DRAWN BY: JACOB M
 CHECKED BY: JACOB M
 SHEET NO. LD-17

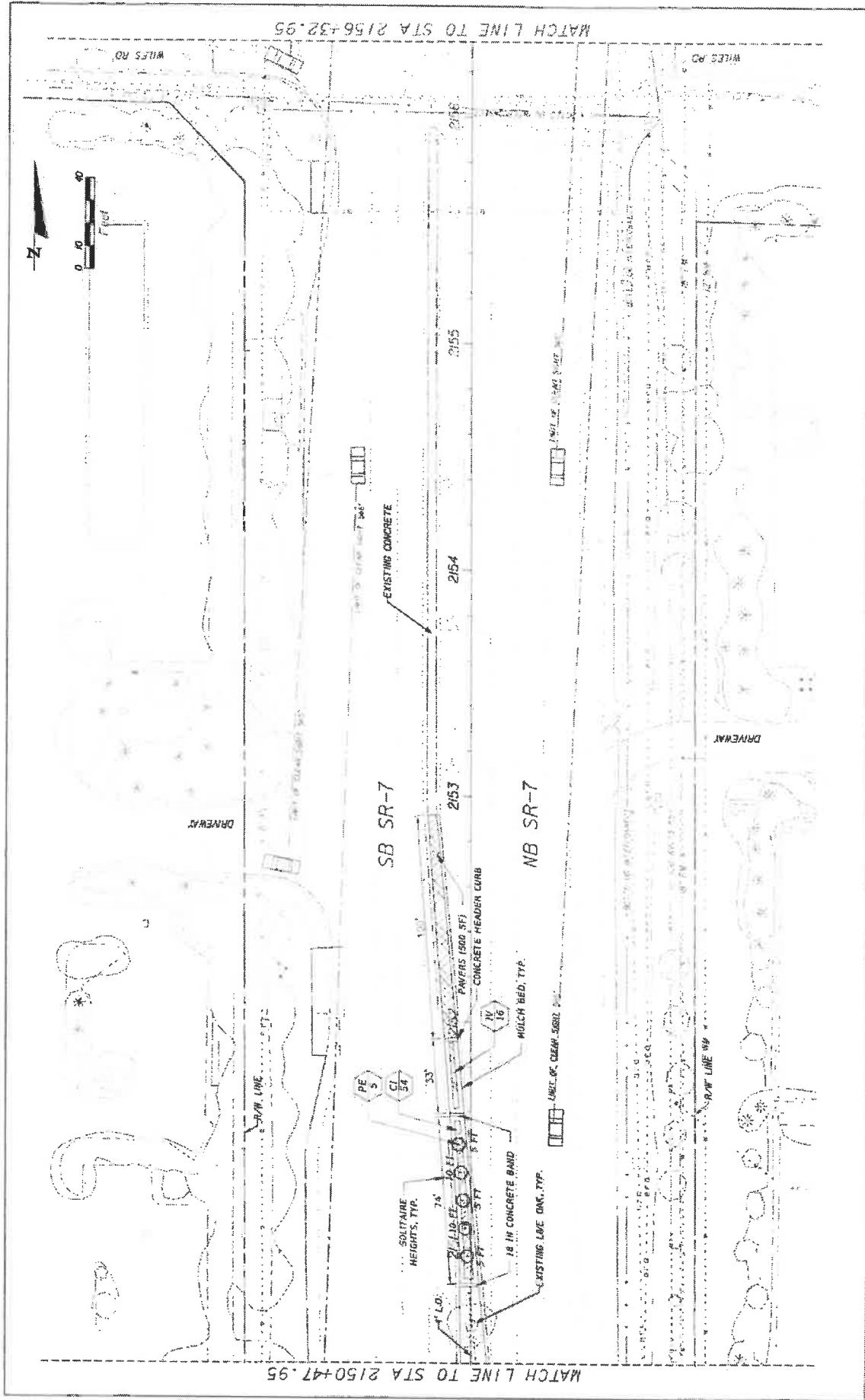


MATCH LINE TO STA 2150+47.95

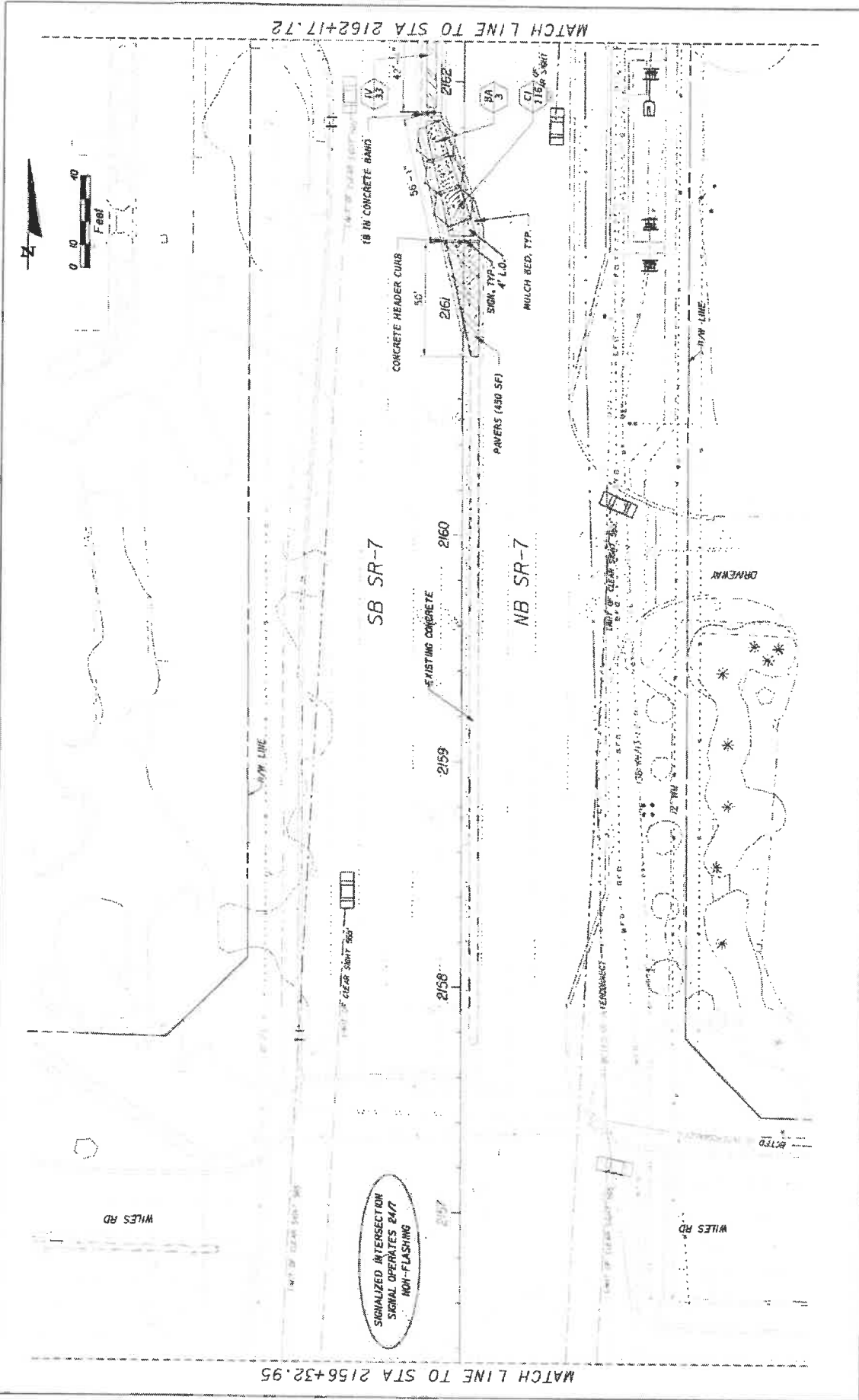


DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 CITY OF COCONUT CREEK 449335-1-74-C1	LANDSCAPE PLAN	SHEET NO. LD-18
			KS KEITH & SCHNARS P.A. DIVISION OF KCI 2000 N. WINDY HILL BLVD., SUITE 100, COCONUT CREEK, FL 33009 LANDSCAPE ARCHITECTS LICENSE NO. LA00000011		

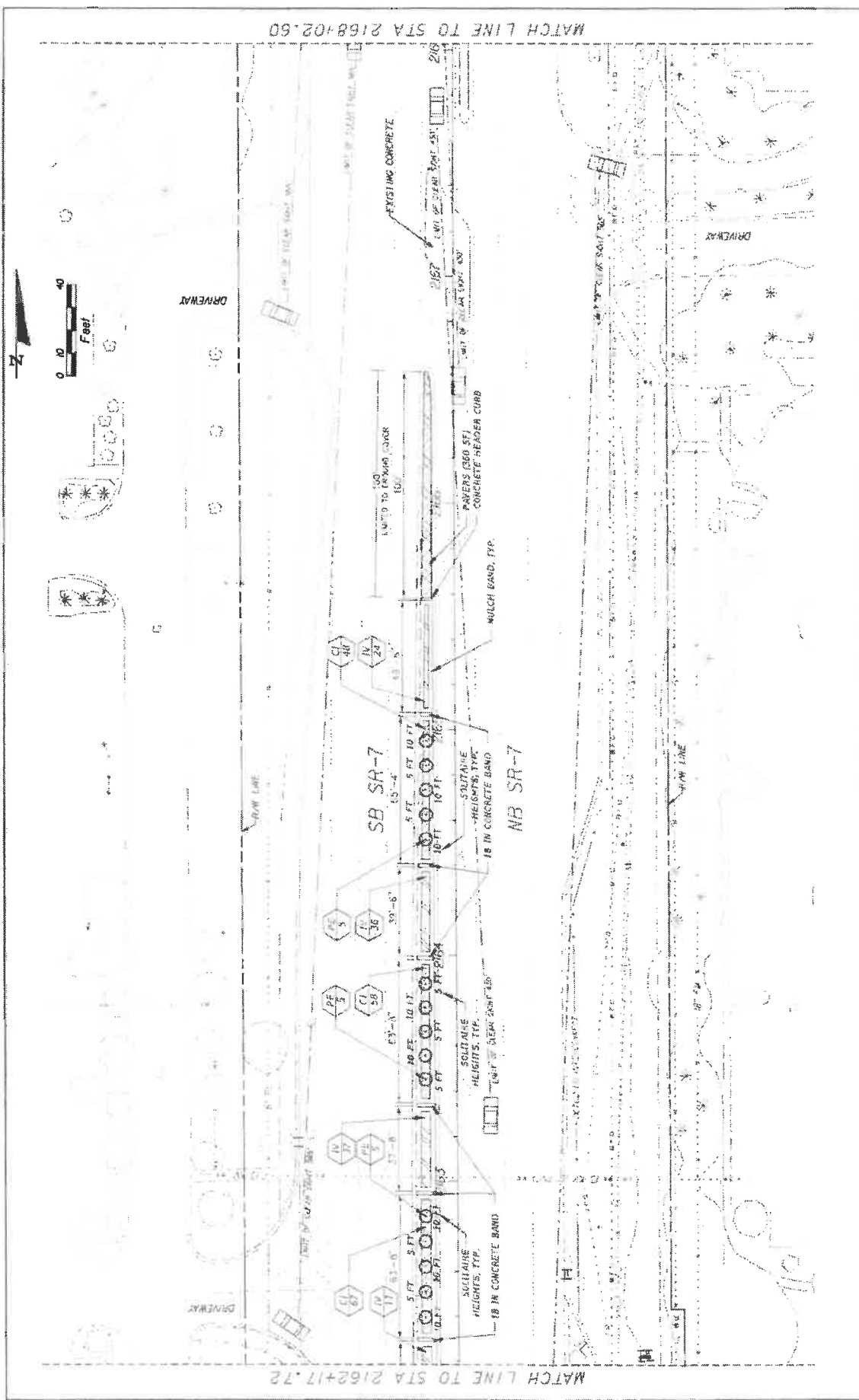
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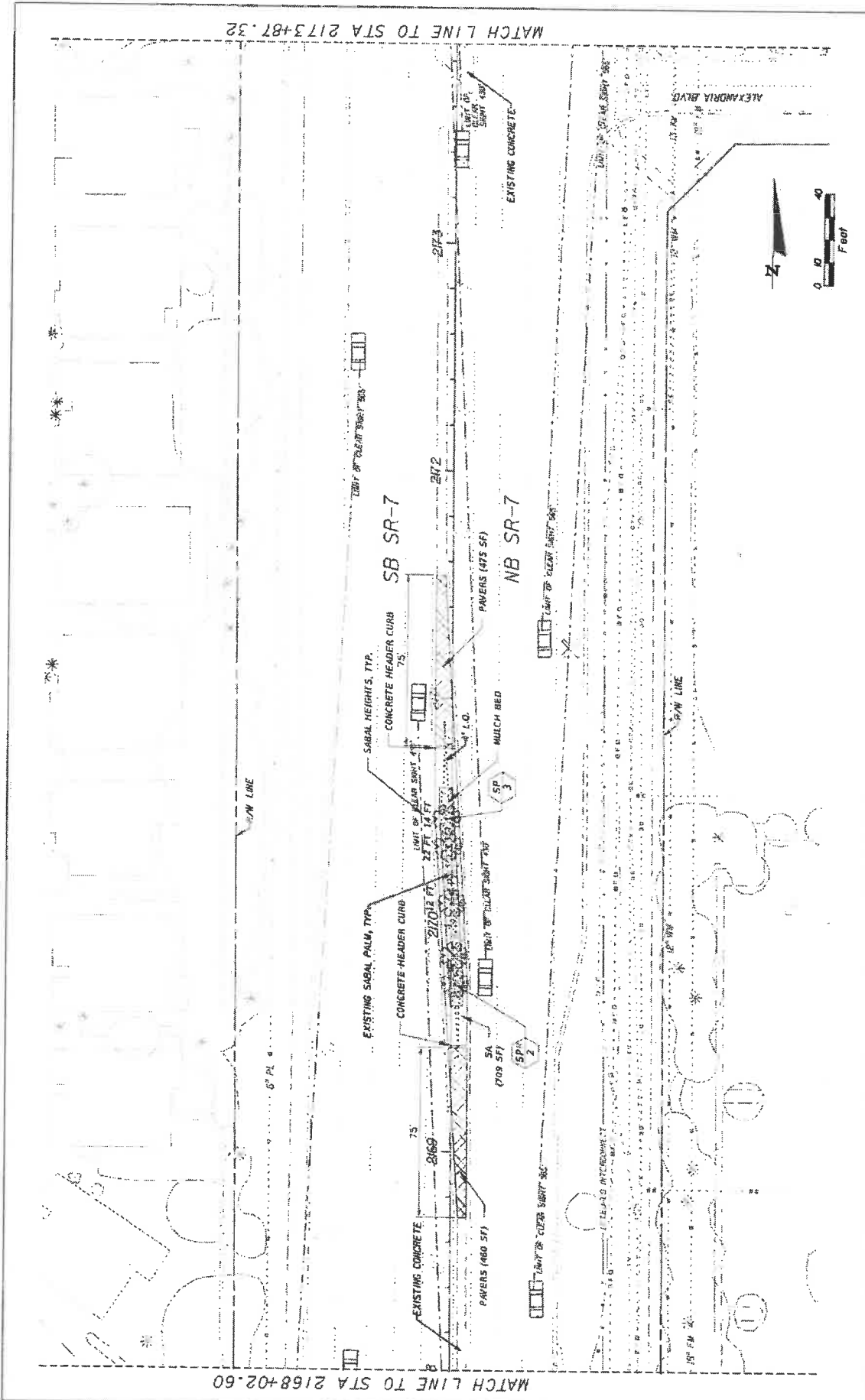
DATE	REVISIONS	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO. LD-19
			PROJECT NO. 7	COUNTY COCONUT CREEK	DRAWING NO. 44935-1-74-01	
KS KEITH SCHMIDT A DIVISION OF KCI <small>KS Keith Schmidt Inc. 5110 N.W. 11th St., Suite 100, Ft. Lauderdale, FL 33309 KCI Inc. 10000 W. Sunrise Blvd., Suite 100, Ft. Lauderdale, FL 33321</small>			LANDSCAPE PLAN			



STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		LANDSCAPE PLAN		SHEET NO. LD-20
ROAD NO. 7		CITY OF COCONUT CREEK FINANCIAL PROJECT ID 444935-1-74-01		
KS KEITH & SOHNARS A DIVISION OF KCI <small>ASSESSORS, ARCHITECTS, ENGINEERS, PLANNERS, LANDSCAPE ARCHITECTS, INTERIOR DESIGNERS, 1000 MARKET BLVD. SUITE 1000, COCONUT CREEK, FLORIDA 33408-1000</small> <small>REGISTERED PROFESSIONAL ENGINEERS</small>		DATE: REVISIONS: DRAWN BY: CHECKED BY: DATE: DRAWN BY: CHECKED BY:		
<small>6/2/2019 2:05:38 PM C:\Projects\COCONUT SR 7 18C Landscape\ADMIN\LANDSCAPE</small>				



REVISIONS NO. DATE BY	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. LD-21
	ROAD NO. 7	CITY OF COCONUT CREEK	FINANCIAL PROJECT ID 444935-174-01
KS KEITH & SCHNARS IN A DIVISION OF KCI <small> 8000 AIRPORT BLVD., SUITE 100, MIAMI, FL 33136 (305) 575-1000 WWW.KSKEITHANDSCHNARS.COM </small>		LANDSCAPE PLAN	
Coconut Creek BUTTERFLY CAPITAL OF THE WORLD		DATE PLOTTED: 11/27/2018 DRAWN BY: [unclear]	



SHEET NO.
LD-22

LANDSCAPE PLAN

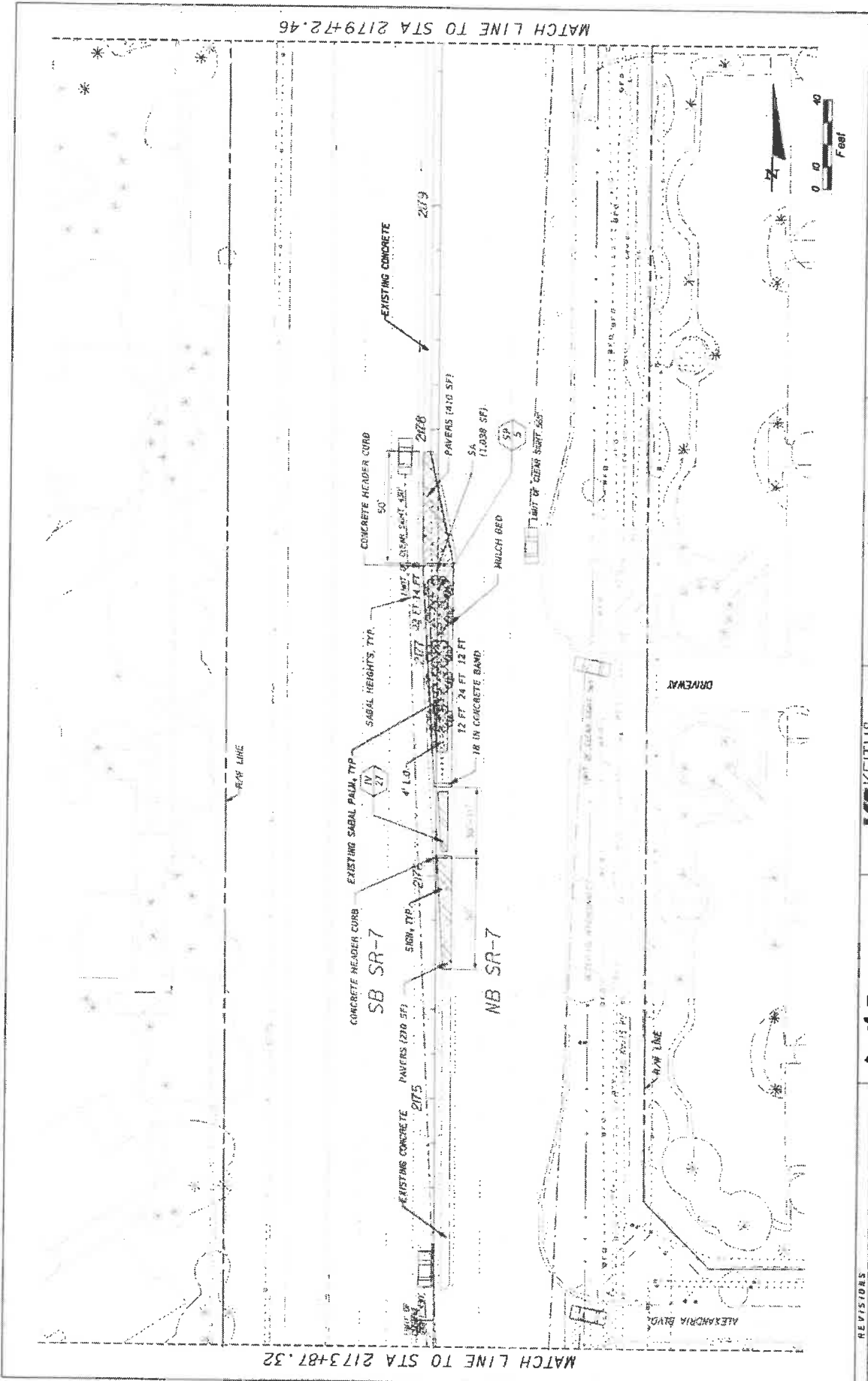
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. 7
FINANCIAL PROJECT ID: 444935-1-74-01

KS KEITH & SCHNARS
P.A. DIVISION OF KCI
LANDSCAPE ARCHITECTS
13100 UNIVERSITY BLVD, SUITE 100, TAMPA, FL 33613
LANDSCAPE ARCHITECTS

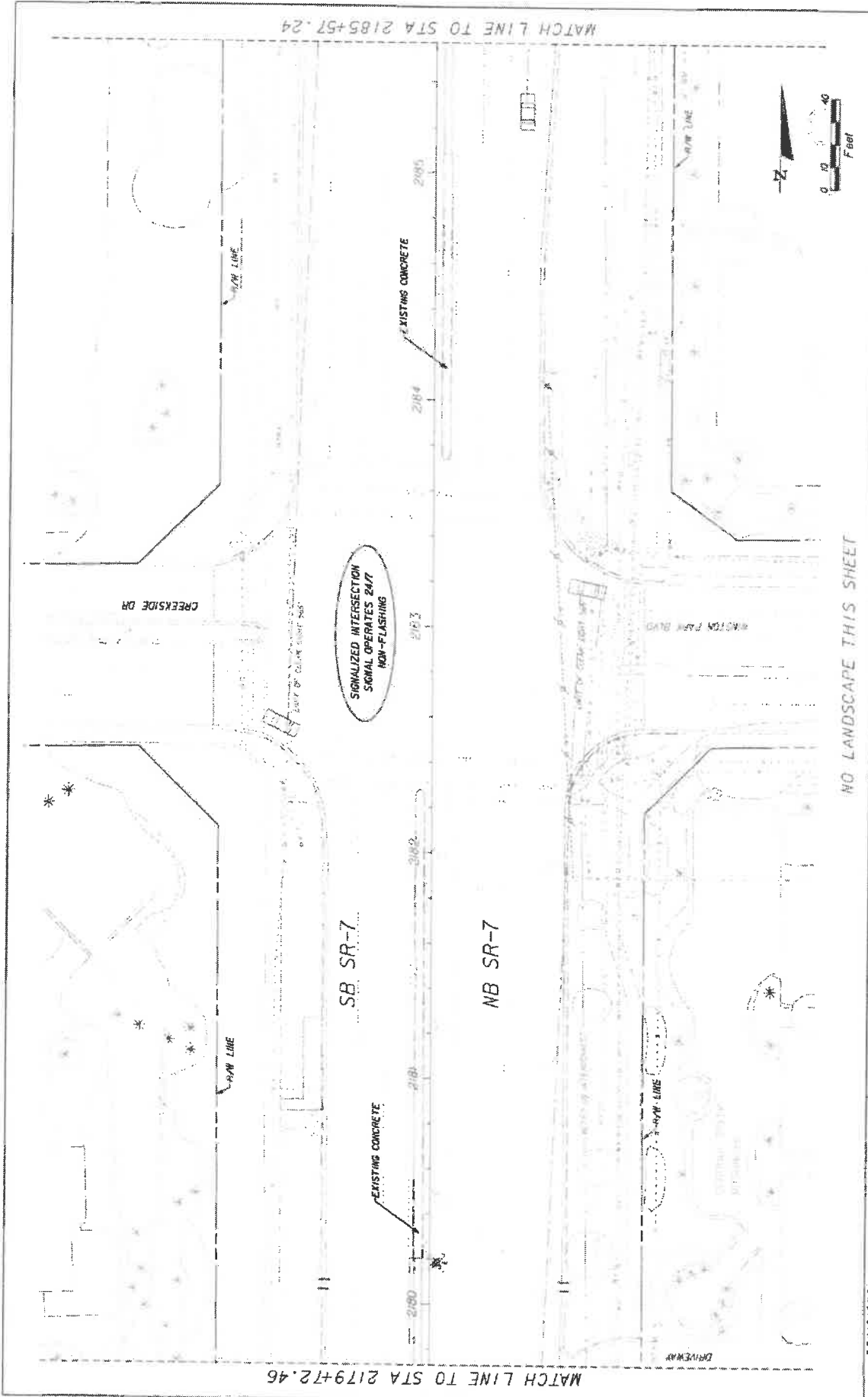


NO.	REVISIONS

DATE: 05/21/2014 11:36 AM



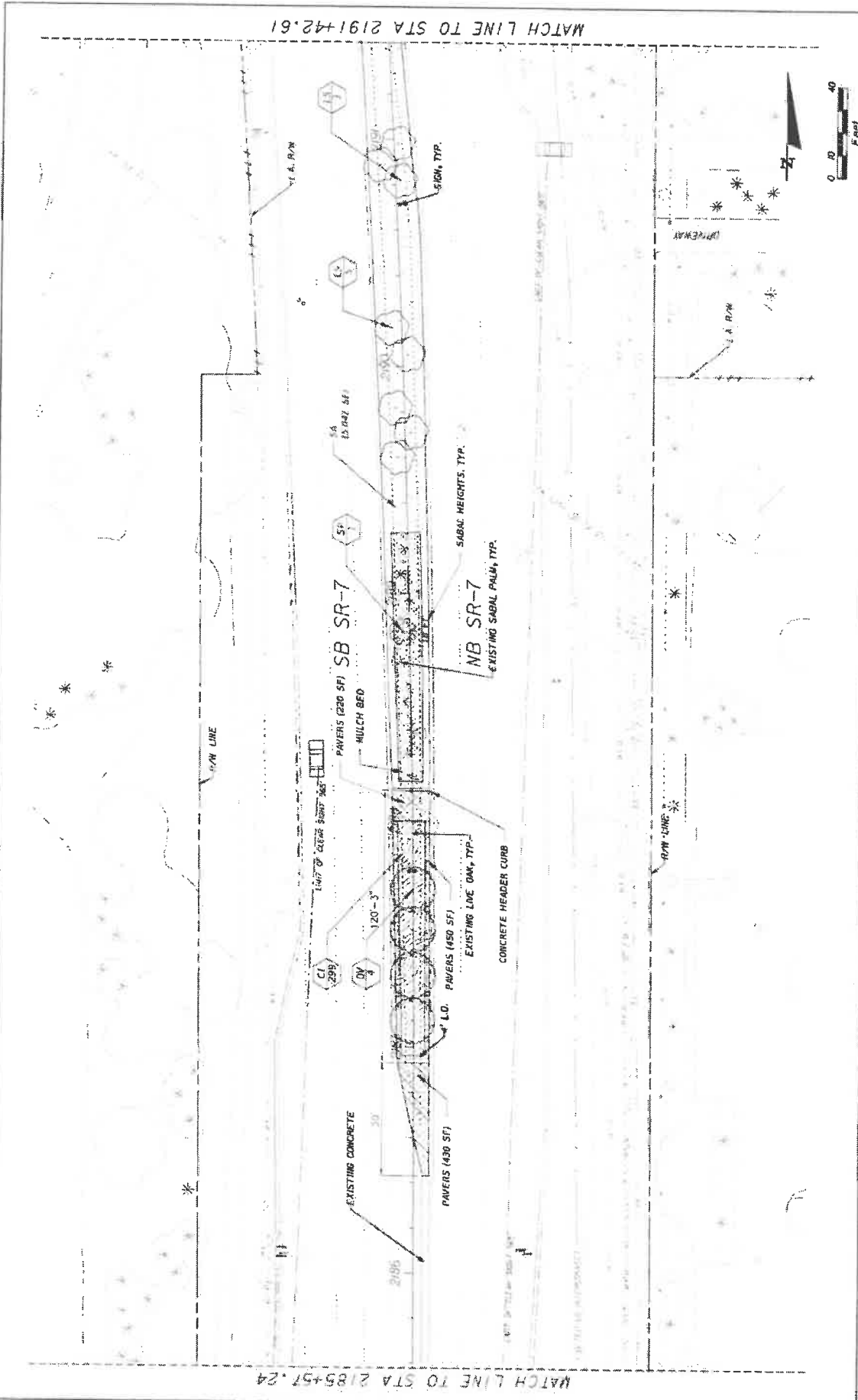
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DESCRIPTION		ROAD NO.	CITY OF	LANDSCAPE PROJECT ID	
		7	COCONUT CREEK	444935-174-01	
		KS KEITH & SCHNARS P.A. DIVISION OF KCI LANDSCAPE ARCHITECTS, P.A. CERTIFICATE OF PROFESSIONAL FEE		DATE 04/20/18	
		Coconut Creek BUTTERFLY CAPITAL OF THE WORLD		DATE 04/20/18	



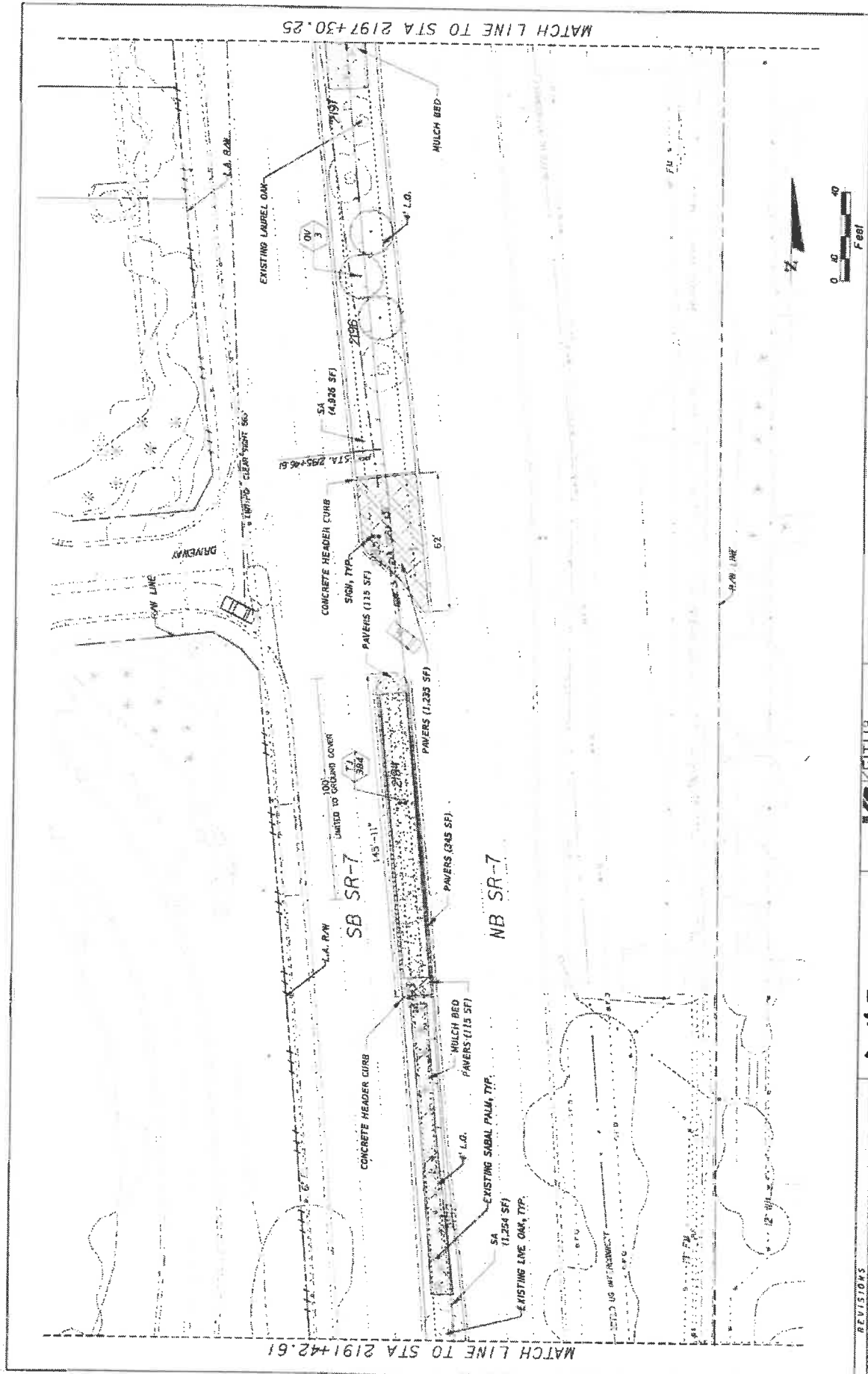
NO LANDSCAPE THIS SHEET

REVISIONS DATE: _____ DESCRIPTION: _____	 Coconut Creek BUTTERFLY CAPITAL OF THE WORLD	 KEITH & SCHNARS IN A DIVISION OF KCI <small>KCI CONSULTANTS, INC. 10000 W. BOYNTON BLVD. SUITE 200 BOYNTON BEACH, FL 33435-2000 CERTIFICATE OF PROFESSIONAL ENGINEERING NO. 12000</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-24
			ROAD NO. 7 CITY OF COCONUT CREEK FINANCIAL PROJECT ID 444935-1-74-01	LANDSCAPE PLAN

DATE: 06/08/11 07/2011 APPROVED BY: T. MICHAEL GARDNER/PLANNER/ENR

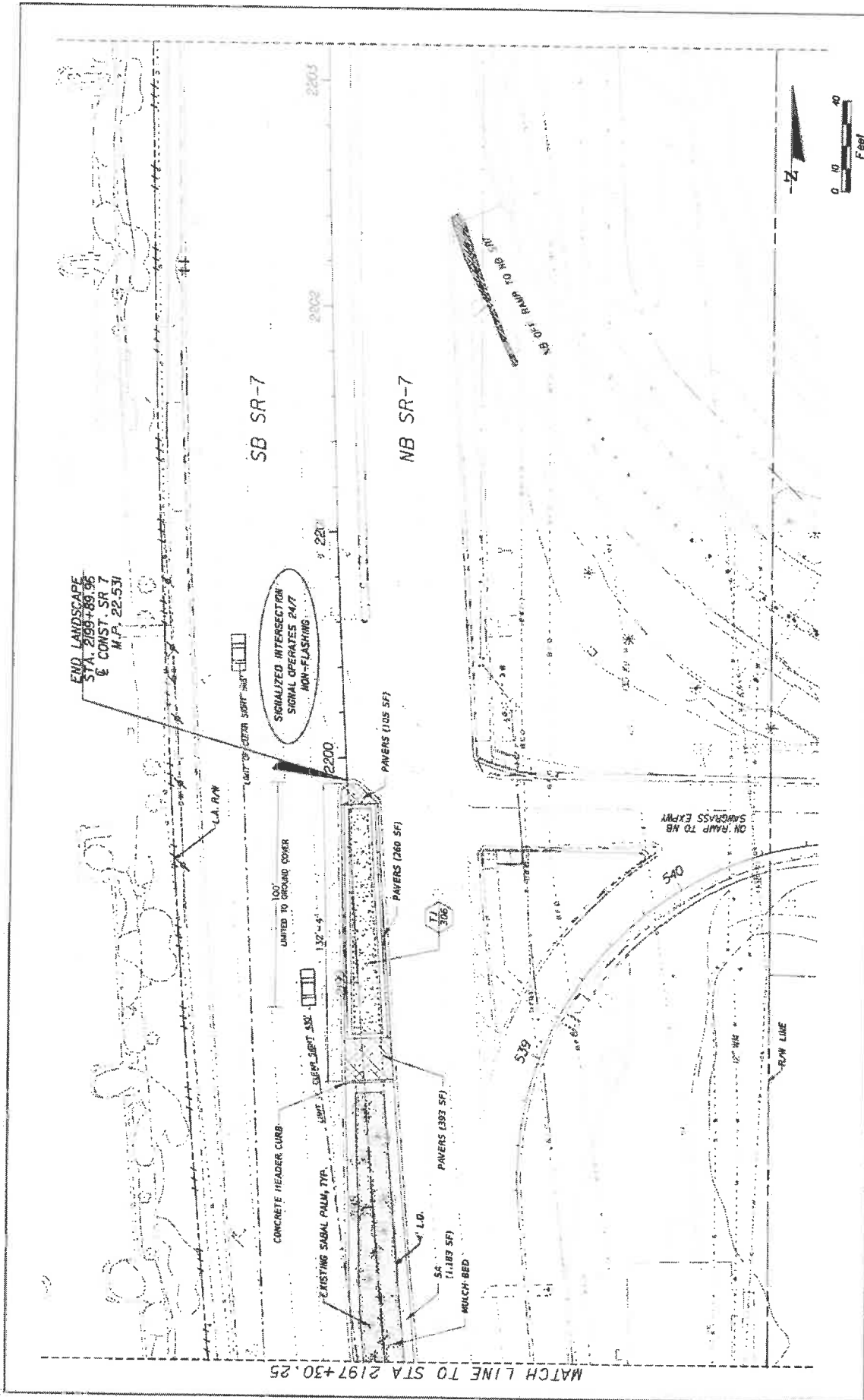


REVISIONS	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 CITY OF COCONUT CREEK FINANCIAL PROJECT ID 444935-1-74-01			SHEET NO. LD-25
	KS KEITH & SCHNARS P.A. DIVISION OF KCI 4000 N. UNIVERSITY AVENUE, SUITE 200 COCONUT CREEK, FLORIDA 33073-4148 LANDSCAPE ARCHITECTS CERTIFICATE OF AUTHORIZATION #1037			LANDSCAPE PLAN
DATE: _____				1/17/2008 02:00 PM 2191+42.61 TO STA 2185+57.24



DATE	REVISIONS	 K.S. KEITH & S. SCHNARS P.A. DIVISION OF KCI <small>10000 W. University Blvd., Suite 100, Jacksonville, FL 32217 904.241.1111</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO.	
			ROAD NO. 7 CITY OF COCONUT CREEK FINANCIAL PROJECT ID 444935-1-74-01	LD-26	
		 COCONUT CREEK BUTTERFLY CAPITAL OF THE WORLD	LANDSCAPE PLAN		

MATCH LINE TO STA 2191+42.61
 MATCH LINE TO STA 2197+30.25
 4/22/2019 8:03:14 AM
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DATE	REVISIONS	 IN A DIVISION OF KCI	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7 CITY OF COCONUT CREEK PROJECT NO. 444935-1-74-01	SHEET NO. 10-27

IRRIGATION NOTES

- 1) UNDER PIPING IS A NEW IRRIGATION SYSTEM AND PUMP STATION.
- 2) SUBMITTALS NOT LESS THAN 14 DAYS BEFORE THE RECONSTRUCTION MEETING.
 - A. SCHEDULE OF VALUES FOR EACH ITEM OF WORK.
 - B. IRRIGATION CONTRACTOR IDENTIFICATION BY THE IRRIGATION ASSOCIATION (IA).
 - C. SLOP DRAWINGS MANUFACTURERS PRODUCT SHEETS FOR EACH ITEM.
- 3) INSTALLATION AREA CERTIFIED IRRIGATION CONTRACTOR SHALL BE ON SITE TO DIRECT IRRIGATION OPERATIONS.
- 4) LAYOUT APPROVAL MARK EQUIPMENT LOCATIONS BEFORE INSTALLATION. NOTIFY THE CITY WHEN COMPLETE. ADJUST FINAL LOCATIONS WHEN DIRECTED.
- 5) COORDINATE PHONE SERVICE CONNECTION WITH THE PHONE SERVICE PROVIDER. ATMT: LINDA FARRAGUDD 901-807-4240 OR BTR@ATT.COM
- COORDINATE ELECTRICAL SERVICE CONNECTION WITH THE ELECTRICAL PROVIDER. FFL DISTRIBUTION: CHARLIE LESRAUF 904-999-3002 CHARLIE.LESRAUF@FLA.COM
- FORM ELECTRICAL SERVICE CONNECTIONS BY A LICENSED ELECTRICIAN.
- 6) ASSEMBLY PLANS: PREPARE AS-BUILT PLANS AS THE WORK PROGRESSES. INDICATE THE ACTUAL LOCATION OF EQUIPMENT. KEEP THE AS-BUILT PLAN SET ON SITE DURING CONSTRUCTION. SUBMIT FINAL AS-BUILT TO THE LANDSCAPE ARCHITECT.
- 7) TRENCHING AND PIPE INSTALLATION
 - A. TRENCH UNDERSTANDING TREE ROOTS OVER 1 INCH DIAMETER.
 - B. PERFORM DIRECTIONAL BORING WHEN REQUIRED.
 - C. OBTAIN APPROVAL OF THE MAINLINE INSTALLATION BEFORE BACKFILLING.
 - D. BARS/SHIELDS AND CONTACT TO FINISHED GRADE WITH EXISTING SOILS FREE OF ROCKS OR OBJECTS THAT COULD DAMAGE THE PVC.
 - E. MAKE PVC SOLVENT WELD CONNECTIONS IN ACCORDANCE WITH ASTM E2886.
 - F. APPLY PURPLE COLORED PVC PRIMER IN ACCORDANCE WITH ASTM D2854. APPLY PVC CEMENT IN ACCORDANCE WITH ASTM D2854.
- 8) MAINLINE LEAK TEST
 - A. NOTIFICATION IS REQUIRED BEFORE TESTING.
 - B. PERFORM MAINLINE LEAK TEST AT 100 PSI FOR 2 HOURS.
 - C. PROVIDE AND OPERATE TEST EQUIPMENT.
 - D. BEFORE TESTING, THE MAINLINE MUST BE COMPLETE. NO CUTTING OR MODIFICATIONS ALLOWED AFTER SUCCESSFUL COMPLETION OF THE LEAK TEST.
 - E. BEFORE TESTING, ISOLATE THE MAINLINE. FILL WITH WATER AND LEAK TEST TO THE TEST PRESSURE FOR 24 HOURS TO REMOVE AIR FROM THE MAINLINE.
 - F. ALLOWABLE MAKEUP WATER DURING TEST FOR GASKETED MAINLINE IS GAL./SQ.FT./33,200 WHERE S = LENGTH OF PIPE TESTED, D = NOMINAL DIAMETER OF THE PIPE IN INCHES AND P = AVERAGE TEST PRESSURE DURING THE LEAKAGE TEST IN POUNDS PER SQUARE FOOT GAUGE. NO LEAKAGE ALLOWED AT SOLENT WELD MAINLINES.
- 9) IRRIGATION HEAD PRESSURE TEST:
 - A. NOTIFICATION IS REQUIRED BEFORE TESTING.
 - B. PERFORM PRESSURE TEST ON EACH ZONE AT THE FIRST AND LAST IRRIGATION HEADS. PRESSURE REQUIREMENTS ARE PLUS OR MINUS 10 PERCENT OF THE DESIGN OPERATING PRESSURE.
- 10) ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS TO PREVENT OVERSPRAY.
 - 1) VALVE SCHEDULES: GEM VALVES DISCONNECTED WITH LETTERS. MULTIMETER/KEYS FOR IRRIGATION HEADS AND 18 INCH SMALL TANGENT VALVES FOR THIS SCHEDULE THROUGH MANU CONTROL SYSTEM. COORDINATE WITH CITY.
 - 2) SYSTEM OPERATION: PROVIDE EXISTING LAYOUT AND OPERATION WALKTHROUGH TRAINING FOR MAINTENANCE PERSONNEL.
 - 3) CITY OF COCONUT CREEK CONTACT: JOHN TETTORNS 904-845-4302

IRRIGATION SYMBOL KEY

SYMBOL	DESCRIPTION
(Symbol)	5 FT
(Symbol)	6 FT
(Symbol)	10 FT
(Symbol)	STRIP
(Symbol)	8 FT
(Symbol)	10 FT
(Symbol)	12 FT
(Symbol)	15 FT
(Symbol)	VAN
(Symbol)	STRIP
(Symbol)	0.80
(Symbol)	1.0
(Symbol)	1.6
(Symbol)	REMOTE CONTROL VALVE
(Symbol)	AIR VACUUM RELEASE VALVE
(Symbol)	MAINLINE ISOLATION VALVE
(Symbol)	PUMP STATION / WELL / CONTROLLER
(Symbol)	IRRIGATION LATERAL LINE
(Symbol)	IRRIGATION MAINLINE
(Symbol)	DIRECTIONAL BORE
(Symbol)	SLEEVE
(Symbol)	VALVE SCHEDULE
(Symbol)	VALVE NUMBER
(Symbol)	VALVE SIZE
(Symbol)	VALVE TYPE

IRRIGATION TABULATION OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
1	ELECTRICAL POWER DISC	EA	1
2	SEE ELECTRICAL PLANS	EA	1
3	PHONE LINE FOR MAIN BIRD WARDEN	EA	1
4	INVERTER PUMP STATION MODEL: WEST 2000 5.4-6.2	EA	1
5	REARWARD PRESS	EA	18
6	MAINLINE ISOLATION VALVE	EA	3
7	MANUVALVE RELIEF VALVE	EA	2
8	OLD CASTLE TIER 8 RATED ISOLATION VALVE	EA	20
9	OLD CASTLE TIER 8 RATED PRESSURIZED 17 1/2 X 30 X 12 INCH GPP	EA	2
10	ALUMINUM NUMBERS LETTERS	EA	59
11	1/2" SCHEDULE 80	EA	61
12	1/2" SCHEDULE 80	EA	116
13	1/2" INCH VACUUM BORE 5 FEET DETAIL	EA	1
14	1/2" INCH VACUUM BORE 6 FEET DETAIL	EA	1
15	MAINLINE	LF	330
16	MAINLINE FITTINGS	EA	24
17	1/2" INCH POLYVALV SCHEDULE 80 FOR TRENCH (PVC SCH 80)	EA	1
18	2 INCH BEJECTABLE WARNING TAPE	LF	150
19	2 INCH PVC SCHEDULE 80 GRIEY	LF	150
20	1/2" INCH COPPER TYPE UF AS THE MAINLINE COMMON WIRE	LF	170
21	1/2" INCH COPPER TYPE UF AS TRIMMINUM HOT WIRES	LF	430
22	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	2
23	WSPAL 1/2" COPPER WIRE TIES	EA	10
24	INSTALL WHITE COLOR FOR CONCRETE WIRE	EA	10
25	WIRE CONNECTORS	EA	50
26	LATERAL LINE FITTINGS	EA	160
27	1/2" INCH MINIMUM 1/2" SCHEDULE 80 PVC SCH 80 60 ELBOW WELD FITTINGS	EA	10
28	1/2" INCH POLYVALV SCHEDULE 80 FOR TRENCH (PVC SCH 80)	EA	10
29	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
30	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
31	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
32	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
33	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
34	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
35	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
36	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
37	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
38	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
39	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
40	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
41	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
42	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
43	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
44	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
45	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
46	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
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53	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
54	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
55	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10
56	1/2" INCH COPPER TYPE UF FOR HOT WIRES	EA	10

VALVE SCHEDULE		
VALVE NUMBER	SIZE	TYPE
1	1-1/2"	1/2" Spray
2	1"	1/2" Spray
3	1-1/2"	1/2" Spray
4	1"	1/2" Spray
5	1-1/2"	1/2" Spray
6	1"	1/2" Spray
7	1-1/2"	1/2" Spray
8	1"	1/2" Spray
9	1-1/2"	1/2" Spray
10	1"	1/2" Spray
11	1-1/2"	1/2" Spray
12	1"	1/2" Spray
13	1-1/2"	1/2" Spray
14	1"	1/2" Spray
15	1-1/2"	1/2" Spray
16	1"	1/2" Spray
17	1-1/2"	1/2" Spray
18	1"	1/2" Spray
19	1-1/2"	1/2" Spray
20	1"	1/2" Spray

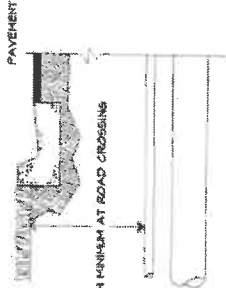
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
CITY OF COCONUT CREEK
PROJECT # 44935-174-01
REG. NO. 7

KS KEITH'S
SCHNAIS
A DIVISION OF KCI
400 SOUTH STATE STREET, SUITE 201
MARIETTA, GA 30067
(770) 576-1000

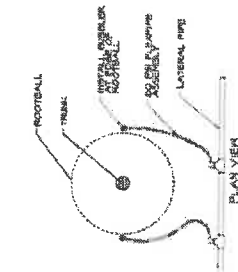
IRRIGATION NOTES &
IRRIGATION SCHEDULE



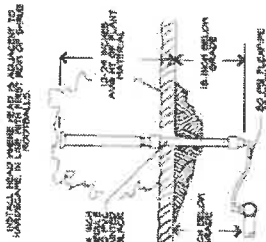
- 1) INSTALL HOPE BORE UNDER ROADWAYS AND OTHER INTERVIEWS AREAS.
- 2) ROAD TRENCHING ONLY PERMITTED WITH WRITTEN APPROVAL.
- 3) ROAD TRENCHING REQUIRES BACKFILLING WITH CRUSHED FILL.



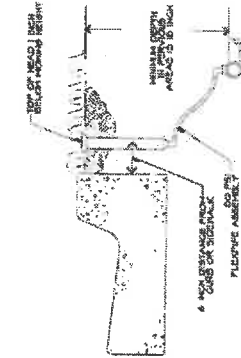
ROAD CROSSING



TREE BUBBLER

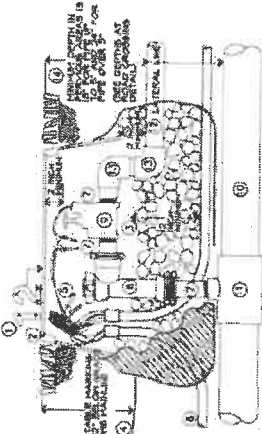


IRRIGATION HEAD IN PLANT BED



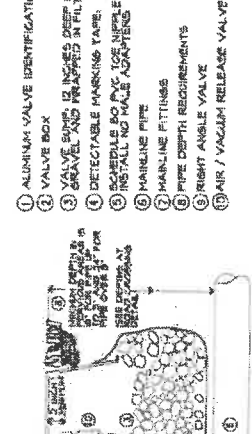
IRRIGATION HEAD IN TURF

- 1) ALUMINUM VALVE IDENTIFICATION NUMBER SCREWED IN PLACE.
- 2) VALVE BOX.
- 3) VALVE SHAFT IS INCHES DEEP FILLED WITH 5/16 INCH GRAVEL AND WRAPPED IN FILTER FABRIC.
- 4) DETECTABLE MARKING TAPE.
- 5) CONTROL WIRE AND WIRE CONNECTORS.
- 6) CONTROL WIRE CONDUIT.
- 7) SCHEDULE 40 PVC TEE AND 1/2 INCH PVC TEE NIPPLE.
- 8) RIGHT ANGLE GATE VALVE.
- 9) ELECTRIC CONTROL VALVE.



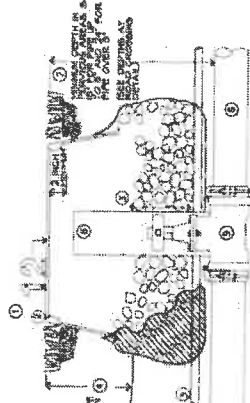
REMOTE CONTROL VALVE

- 1) ALUMINUM VALVE IDENTIFICATION NUMBER SCREWED IN PLACE.
- 2) VALVE BOX.
- 3) VALVE SHAFT IS INCHES DEEP FILLED WITH 5/16 INCH GRAVEL AND WRAPPED IN FILTER FABRIC.
- 4) DETECTABLE MARKING TAPE.
- 5) SCHEDULE 40 PVC TEE NIPPLE.
- 6) REINSTALLING NO HOLE ADAPTING.
- 7) MAINLINE PIPE.
- 8) PIPE DEPTH REQUIREMENTS.
- 9) RIGHT ANGLE VALVE.
- 10) AIR / VACUUM RELEASE VALVE.



AIR/VACUUM RELEASE VALVE

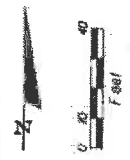
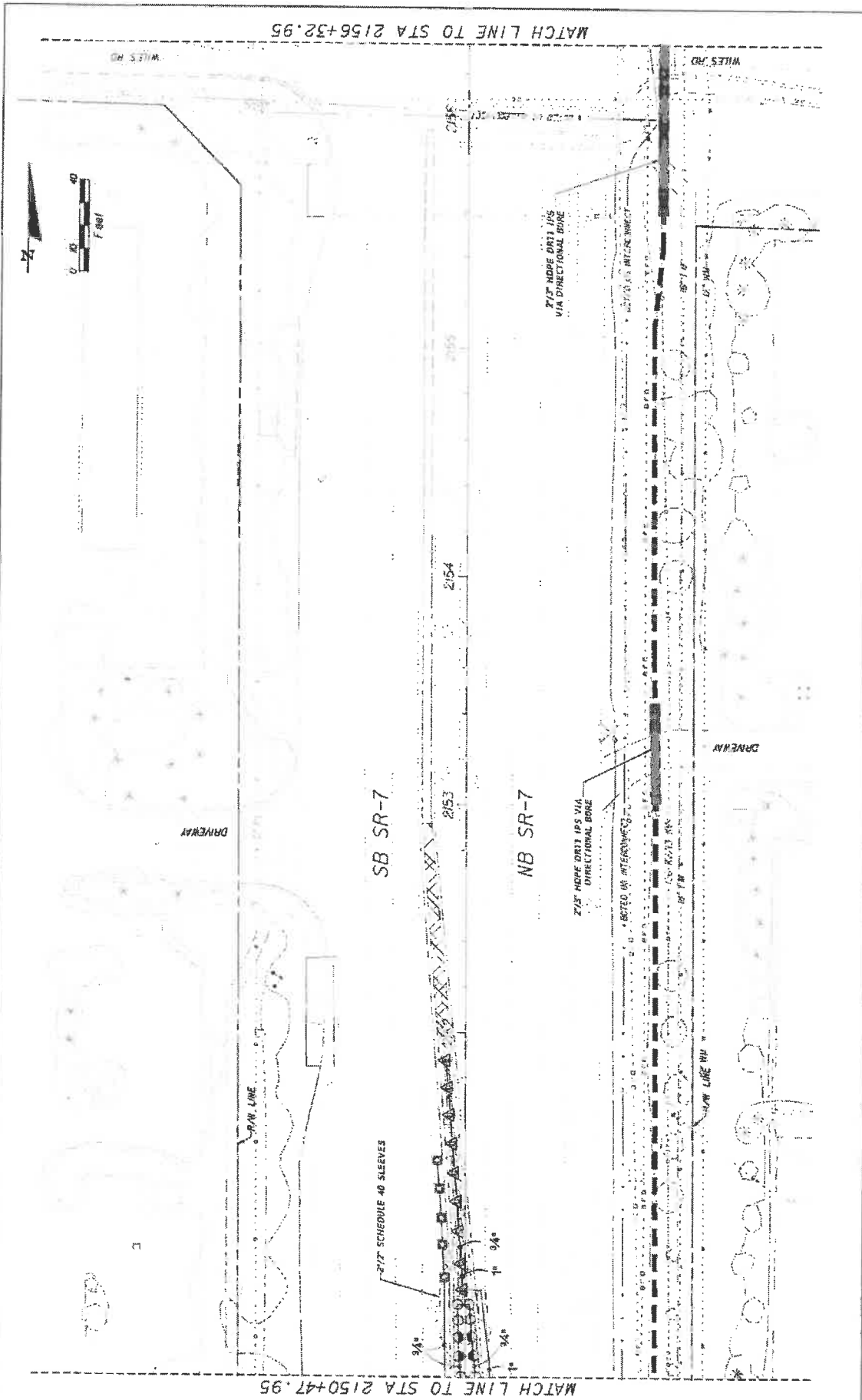
- 1) ALUMINUM VALVE IDENTIFICATION NUMBER SCREWED IN PLACE.
- 2) VALVE BOX.
- 3) VALVE SHAFT IS INCHES DEEP FILLED WITH 5/16 INCH GRAVEL AND WRAPPED IN FILTER FABRIC.
- 4) DETECTABLE MARKING TAPE.
- 5) CONTROL WIRE CONDUIT.
- 6) MAINLINE PIPE.
- 7) PIPE DEPTH REQUIREMENTS.
- 8) PVC ACCESS TUBE.
- 9) ISOLATION VALVE.



MAINLINE ISOLATION VALVE

- 1) MAINLINE PIPE.
- 1) MAINLINE FITTINGS.
- 2) LATERAL LINE PIPES.
- 2) LATERAL LINE FITTINGS.
- 3) MATERIAL LINE FITTINGS.
- 3) PVC SCHEDULE 40.
- 4) PIPE DEPTH REQUIREMENTS.

REVISIONS	DATE	BY	DESCRIPTION
 A DIVISION OF KCI			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
 BUTTERFLY CAPITAL OF THE WORLD			FINANCIAL PROJECT ID 44-9535-74-01
8001 ANDERSON AVENUE, SUITE 100, WEST PALM BEACH, FL 33411 CONTACT US BY PHONE: 561-966-1234			ROAD NO. 7
4000 N.W. 12TH AVENUE, SUITE 100, WEST PALM BEACH, FL 33411 CONTACT US BY FAX: 561-966-1234			SHEET NO. LD-29

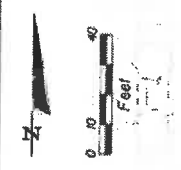
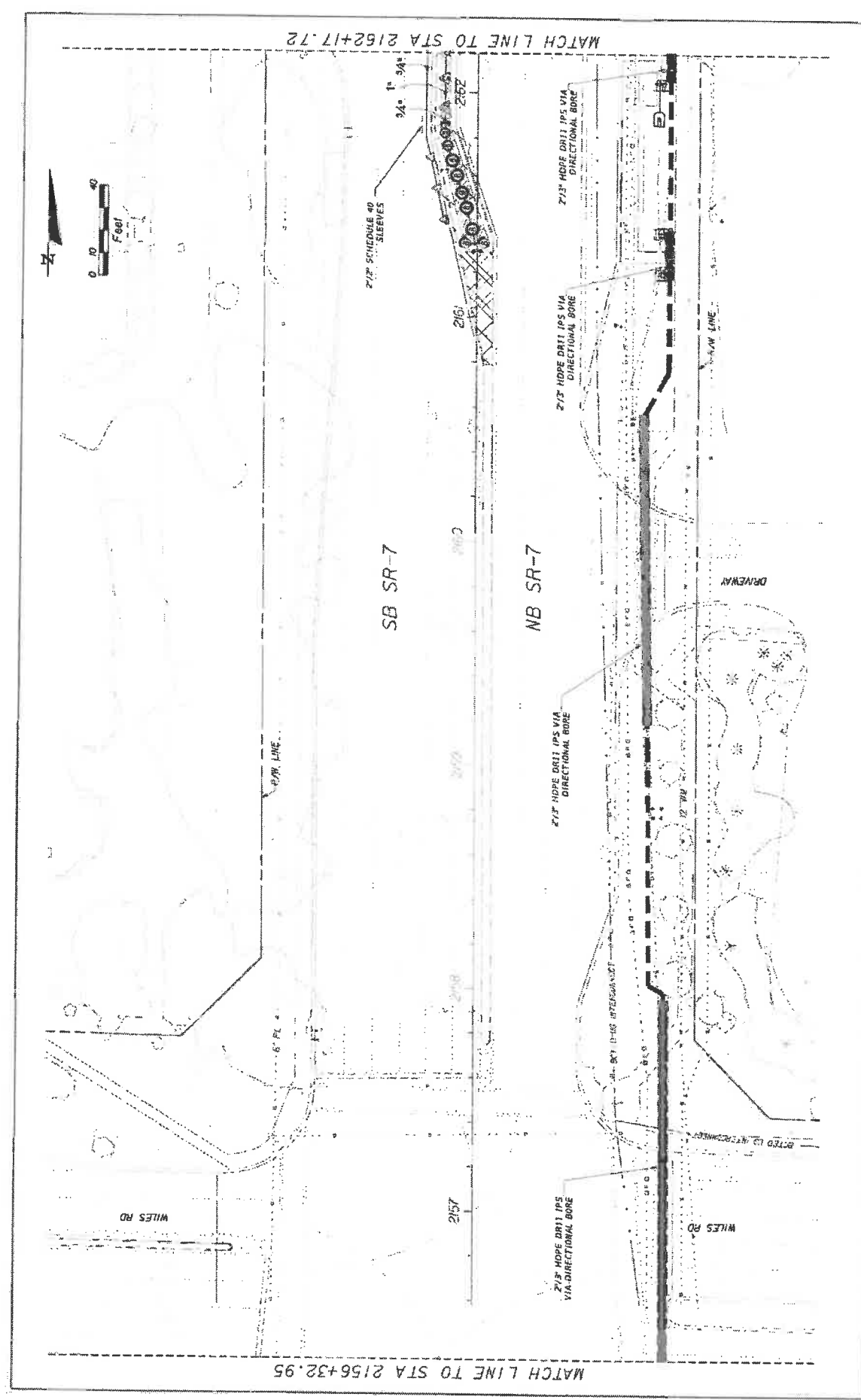


DATE	REVISIONS		 Coconut Creek BUTTERFLY CAPITAL OF THE WORLD®	KS KEITH & SCHNARS P.E. A DIVISION OF KCI <small>KCI is a member of the Kiewit Group of Companies. All rights reserved. No part of this document may be reproduced without written permission from KCI.</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SHEET NO. LD-31
	ROAD NO.	CITY OF			IRRIGATION PROJECT ID	ROAD NO.	
			7	COCONUT CREEK	444935-1-74-01		

DATE: 01/24/2024
 TIME: 10:48 AM
 USER: jk...@flhwy.com

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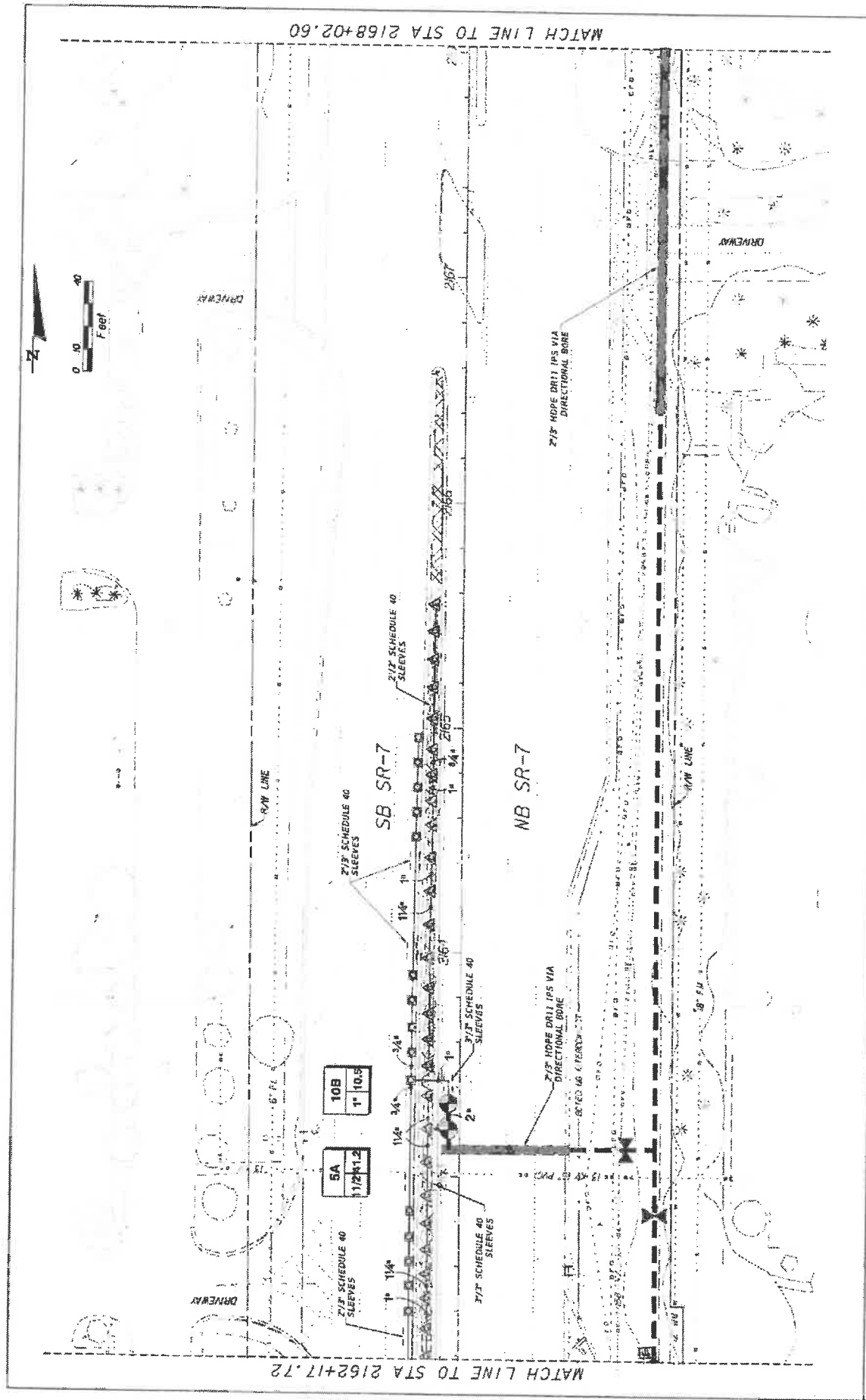
MATCH LINE TO STA 2150+47.95



MATCH LINE TO STA 2162+17.72

MATCH LINE TO STA 2156+32.95

DATE	REVISIONS	 Coconut Creek BUTTERFLY CAPITAL OF THE WORLD	 KS KEITH & SCHNARS A DIVISION OF KCI <small>2600 N. UNIVERSITY AVENUE, SUITE 100, BOCA RATON, FL 33433</small> <small>PH: (561) 991-1100 FAX: (561) 991-1101</small> <small>WWW.KSKEITHANDSCHNARS.COM</small>	ROAD NO. 7 CITY OF COCONUT CREEK FINANCIAL PROJECT # 444935-1-74-01	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-32
				6/1/23 AM 230919161000001 SR 7 IRRIGATION PLAN		

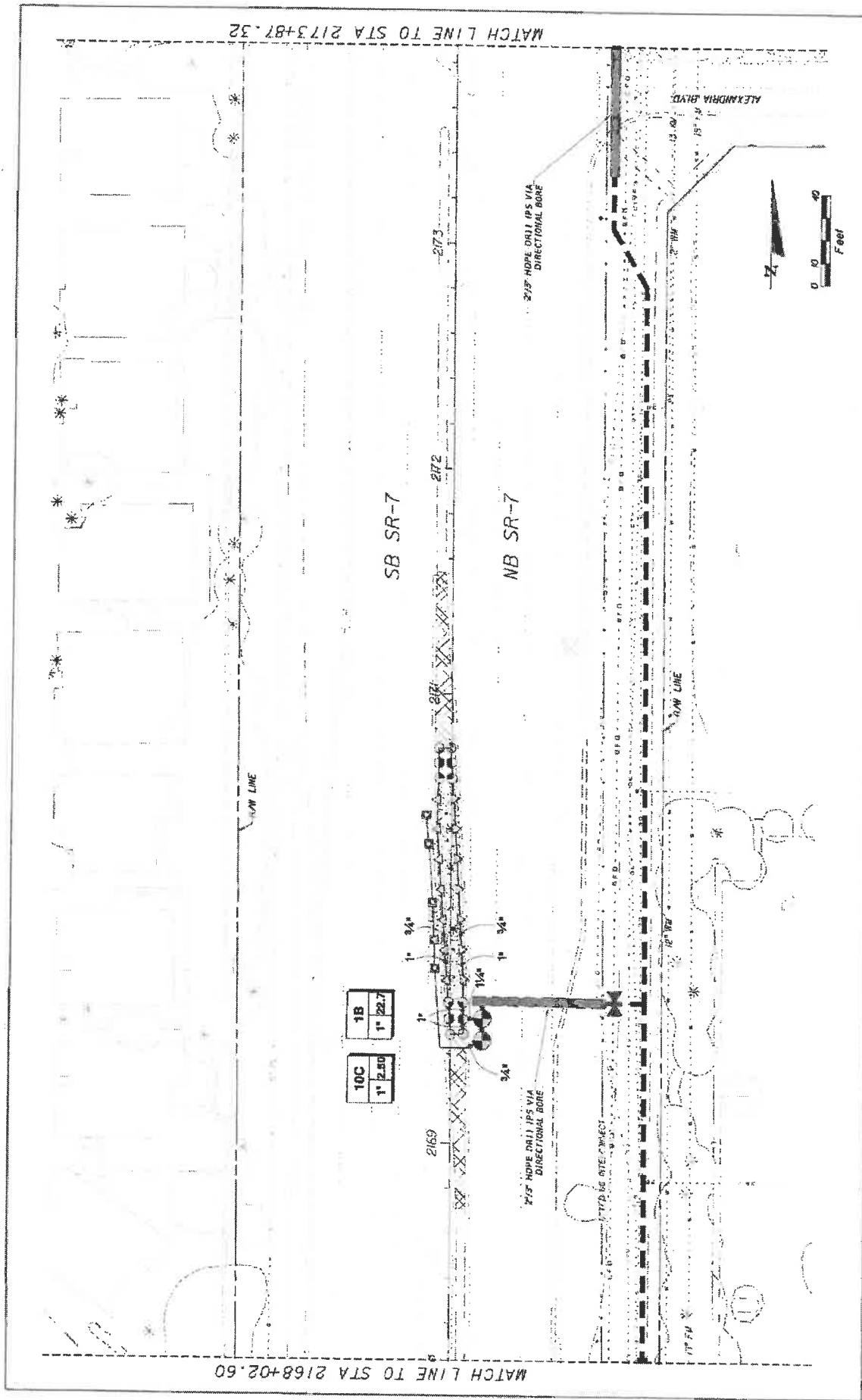


MATCH LINE TO STA 2162+17.72

MATCH LINE TO STA 2168+02.60

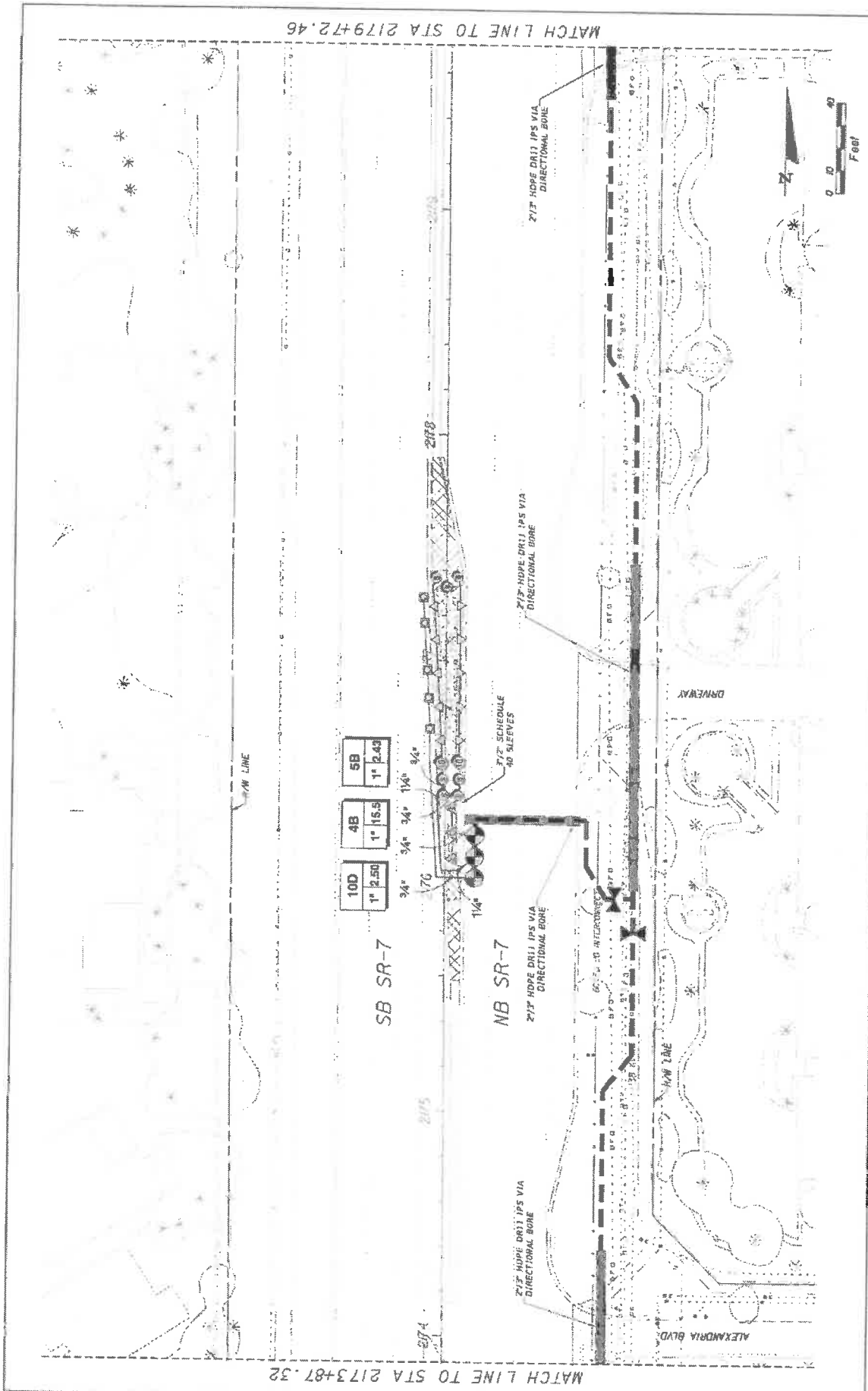
REVISIONS			KS KEITH & ASSOCIATES A DIVISION OF KCI <small>18001 American Ave., Jacksonville, FL 32256-1500 LICENSED PROFESSIONAL ENGINEER NO. 12416 CERTIFICATE OF AUTHORIZATION #12416</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CITY OF COCONUT CREEK ROAD NO. 7 FINANCIAL PROJECT ID 444935-1-74-01	SHEET NO. LD-33

1/10/2015 8:08:49 2:44:40\jks\080604 SF 1 AOC From User\COCONUT\jks\LD33.dwg

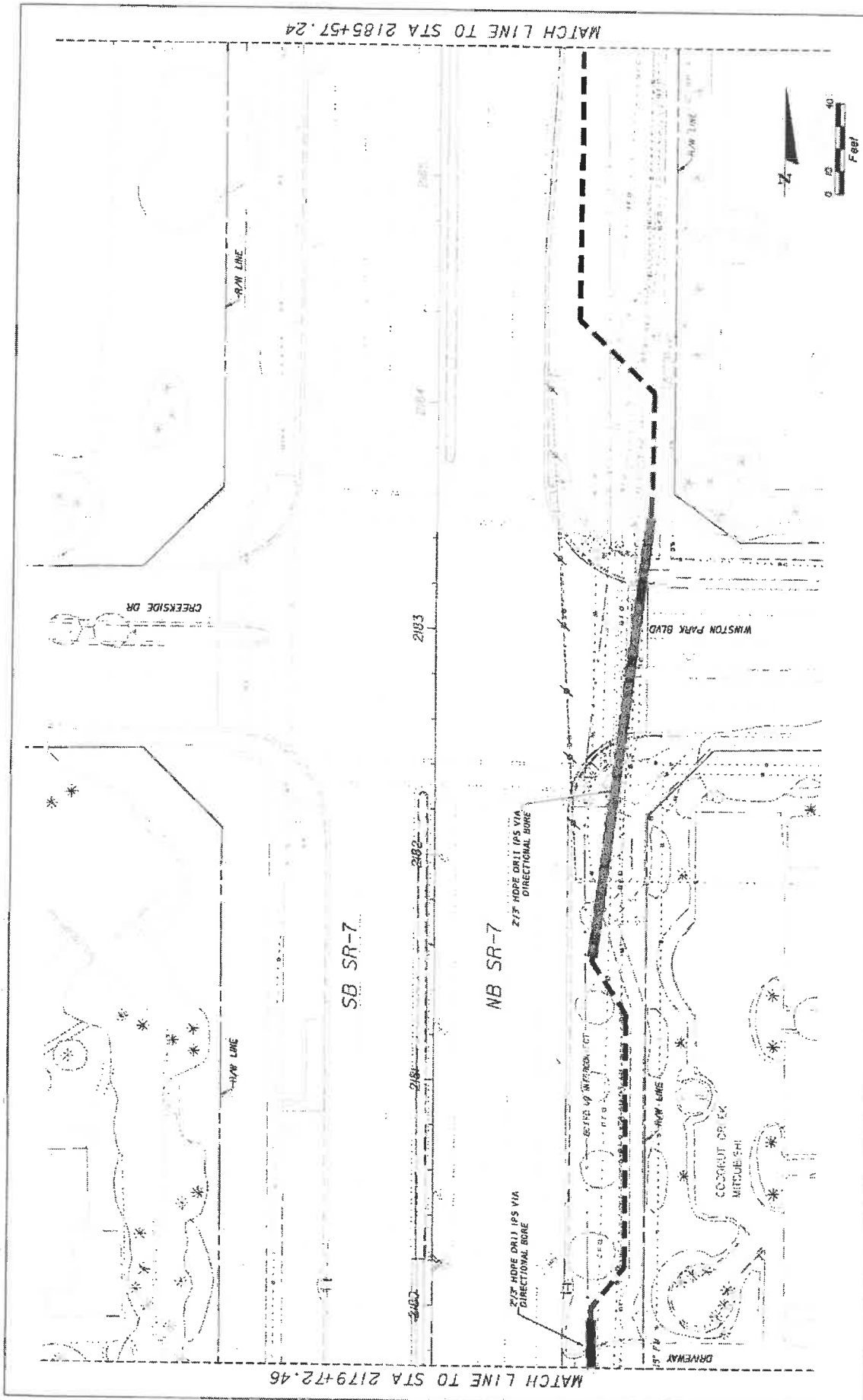


REVISIONS NO. DESCRIPTION		KS KEITH & SCHNARS A DIVISION OF KCI <small>REGISTERED PROFESSIONAL ENGINEERS & ARCHITECTS, FLORIDA LICENSE NO. 12004-12000-0001-0001</small> CONTRACTORS OF AGRICULTURE		STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID CITY OF COCONUT CREEK 444935-1-74-01	SHEET NO. LD-34
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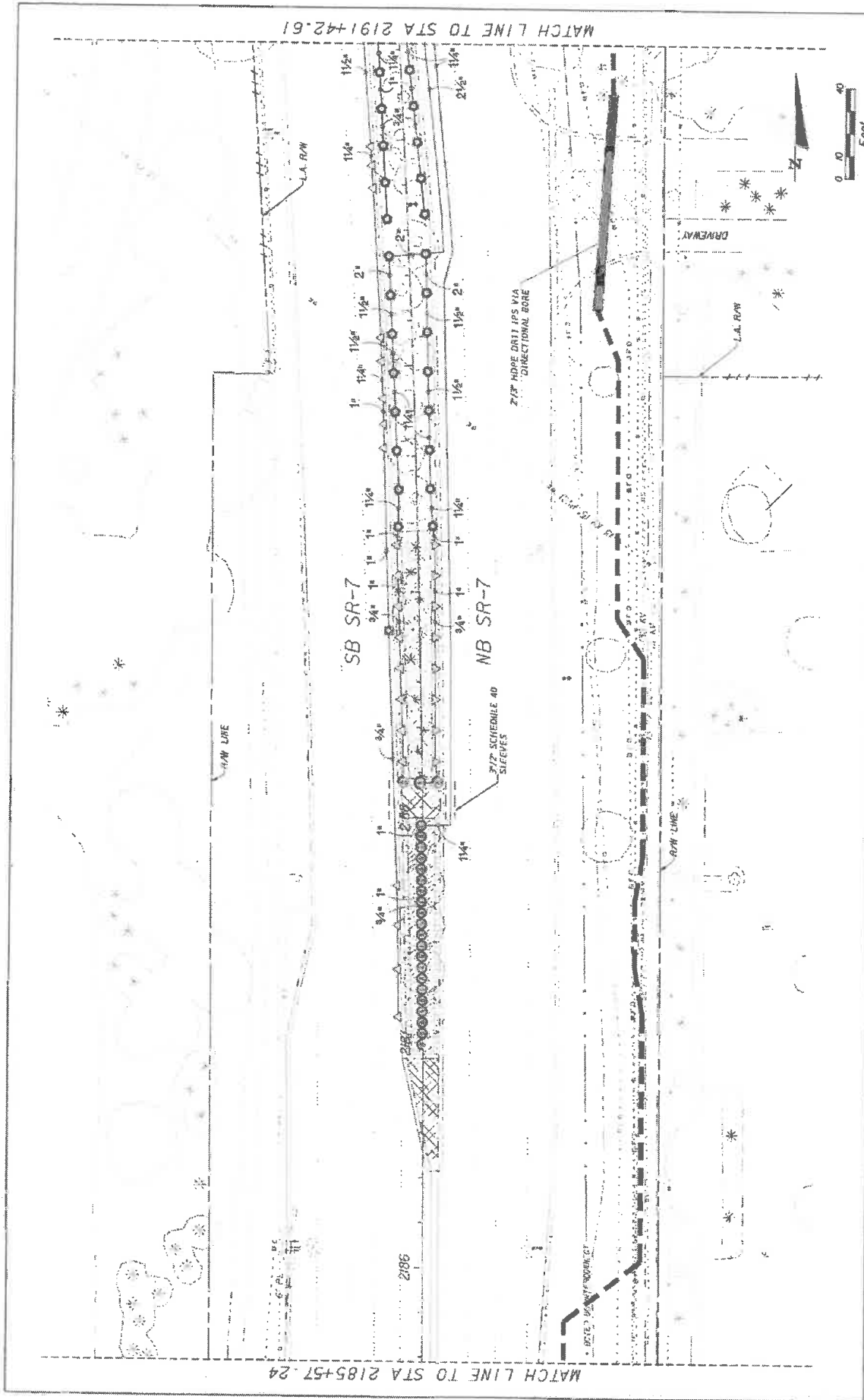




DATE		REVISION	
KS KEITH & SCHNARS A DIVISION OF KCI <small>10001 W. UNIVERSITY BLVD., SUITE 1000, BOCA RATON, FL 33433 (561) 992-1100 FAX (561) 992-1101 www.keithandschnars.com</small>			
STATE OF FLORIDA		DEPARTMENT OF TRANSPORTATION	
ROAD NO. 7		FINANCIAL PROJECT ID. 444935-1-74-01	
CITY OF COCONUT CREEK		CITY PROJECT NO. 444935-1-74-01	
SHEET NO. UD-35		DATE: 08/03/09	
Coconut Creek BUTTERFLY CAPITAL OF THE WORLD		IRRIGATION PLAN	



REVISIONS		<p>KS KEITH & SCHNARS A DIVISION OF KCI REGISTERED PROFESSIONAL ENGINEERS LICENSED IN THE STATES OF FLORIDA AND CALIFORNIA CORPORATE OFFICE: 1100 N. W. 11TH AVENUE, SUITE 1000, MIAMI, FL 33136 TEL: 305.575.4444 FAX: 305.575.4445 WWW.KSKEITH.COM</p>	STATES OF FLORIDA DEPARTMENT OF TRANSPORTATION CITY OF COCONUT CREEK 449935-1-74-01	SHEET NO. LD-36
ROAD NO. 7 FINANCIAL PROJECT NO.			IRRIGATION PLAN	
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MATCH LINE TO STA 2185+57.24

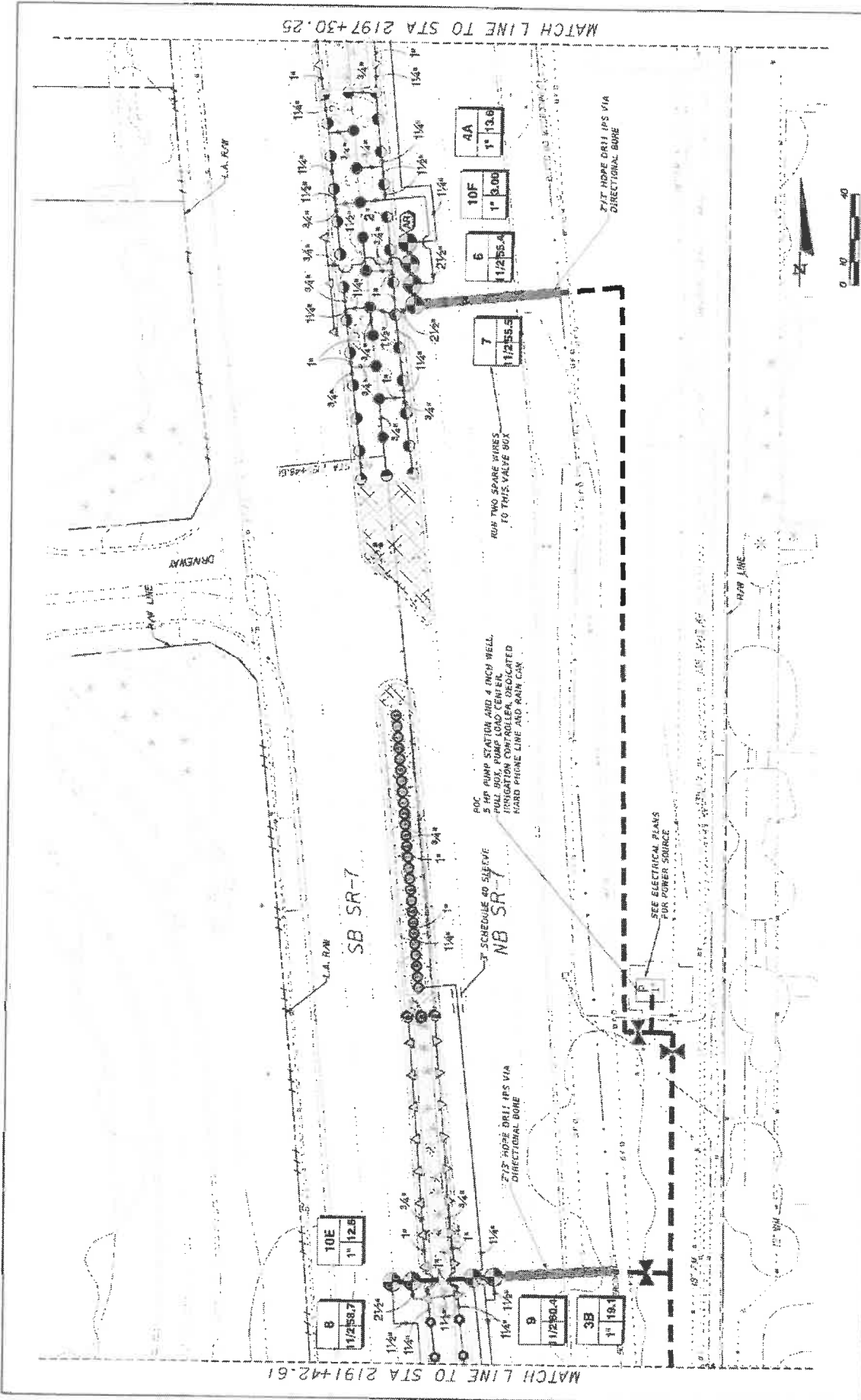
MATCH LINE TO STA 2191+42.61



KS KEITH & SCHNARS IN A DIVISION OF KCI <small>800 N. UNIVERSITY AVENUE, SUITE 1000, TAMPA, FL 33606-5099 LICENSED PROFESSIONAL ENGINEERS - LICENSE NO. 12345</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 7	FINANCIAL PROJECT ID 444935-1-74-01	SHEET NO. LD-37
	CITY OF COCONUT CREEK	4/18/2006	IRRIGATION PLAN

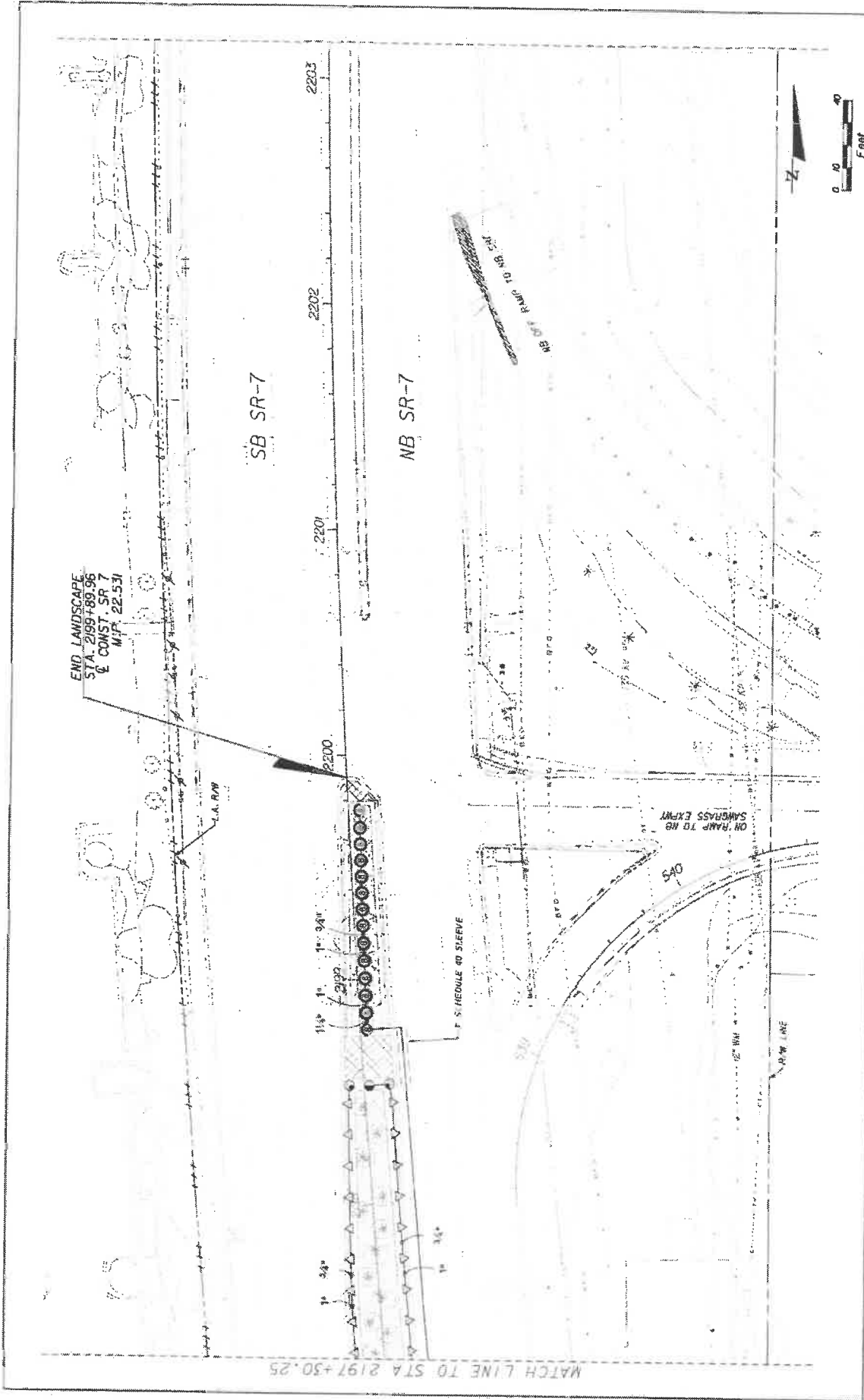


NO.	REVISIONS	DESCRIPTION



REVISIONS NO. DESCRIPTION	KS KEITH & SCHNARS IN A DIVISION OF KCI <small>KCI CONSULTING ENGINEERS, INC. 13000 S.W. 10TH AVENUE, SUITE 200, MIAMI, FL 33156</small> <small>REGISTERED PROFESSIONAL ENGINEERS AND SURVEYORS IN THE STATE OF FLORIDA</small>		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	SHEET NO. LD-38
	ROAD NO. 7	CITY OR COUNTY COCONUT CREEK	FINANCIAL PROJECT # 444935-1-74-01	IRRIGATION PLAN

DATE: 11/25/70
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT NO.: 444935-1-74-01
 SHEET NO.: LD-38



NO.	REVISIONS	DESCRIPTION

		KS KEITH & SCHWARS A DIVISION OF KCI <small>10001 WOODBRIDGE LANE, SUITE 100, COCONUT CREEK, FL 33063-2507 (954) 885-1100 LAND DEVELOPMENT DEPARTMENT / ADMINISTRATION 8137</small>	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CITY OF COCONUT CREEK ROAD NO. 7 FINANCIAL PROJECT ID 446935-1-74-01	SHEET NO. LD-39
		IRRIGATION PLAN	DATE: 6/27/08 DRAWN BY:	PROJECT NO. 446935-1-74-01

PROJECT NOTES:

1. LANE CLOSURES SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE: 9:00AM TO 4:00PM - WEEKDAYS AND WEEKENDS.
2. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE THE EXISTING POSTED SPEED.
3. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE ON-SITE AND AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.

TCP PHASING NOTES:

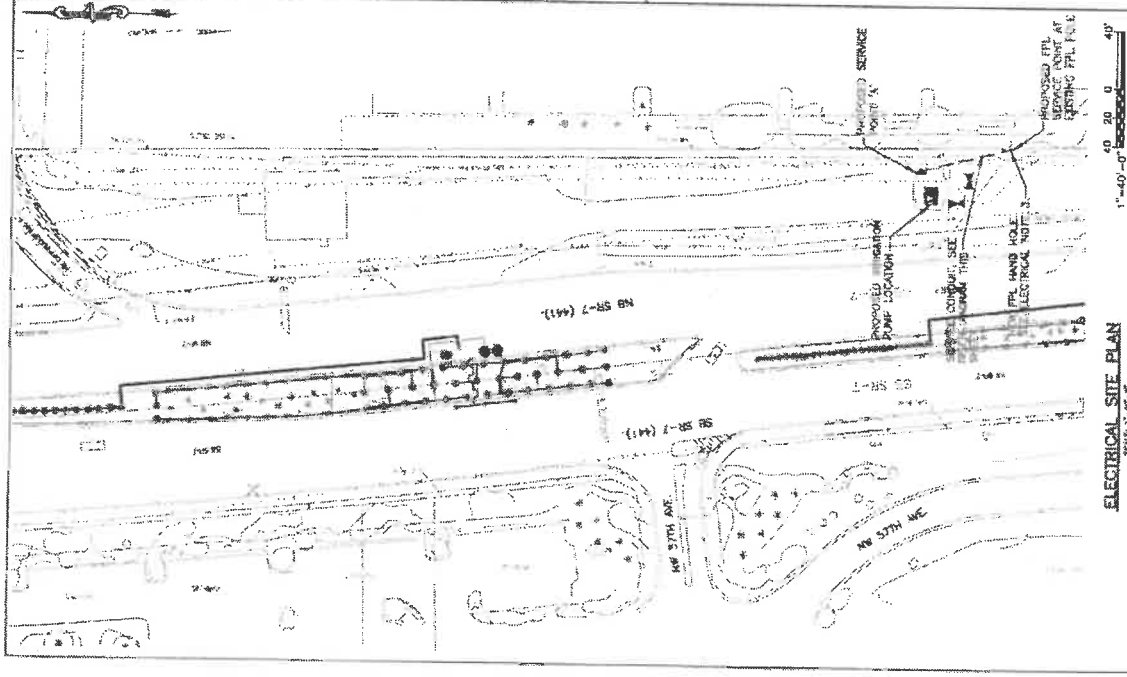
1. PHASE 1 WILL CLOSE LANES 1 BLOCK AT A TIME AND WILL BE REPEATED ALONG PROJECT LIMITS.

PHASE 1: SR 7 LANDSCAPE AND IRRIGATION

1. CLOSE 1 LANE IN EACH DIRECTION IN ACCORDANCE WITH FOOT STANDARD PLANS INDEXES 102-600, 102-613 AND 102-616.
2. PERFORM WORK AS SHOWN IN PLANS.
3. FOR INSTALLATION OF IRRIGATION SLEEVES/DIRECTIONAL BORES.
 - A) SIDE STREET CROSSINGS
 - DIRECTIONAL BORE USING STANDARD PLANS INDEX 102-611.
 - B) CROSSING SR-7, CROSSING OF MEDIUM OPENINGS
 - CLOSE 1 MEDIUM LANE IN EACH DIRECTION USING STANDARD PLANS INDEXES 102-600, 102-613 AND 102-616.
 - DIRECTIONAL BORE WILL BE COMPLETED USING STANDARD PLANS INDEX 102-611 FOR EQUIPMENT ON THE OUTSIDE OF SR-7.

TCP NOTES

 BUTTERNUT CAPITAL OF THE WORLD		 A DIVISION OF KCI		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION CITY OF COCONUT CREEK ROAD NO. 7 BEAUTIFUL EXTERIOR GRANT 2018-2019 504.7.000		SHEET NO. LD-40
DATE	REVISIONS	DESCRIPTION				



ELECTRICAL SITE PLAN
SCALE 1"=40'-0"

REVISIONS

DATE

DESIGNED BY

CHECKED BY

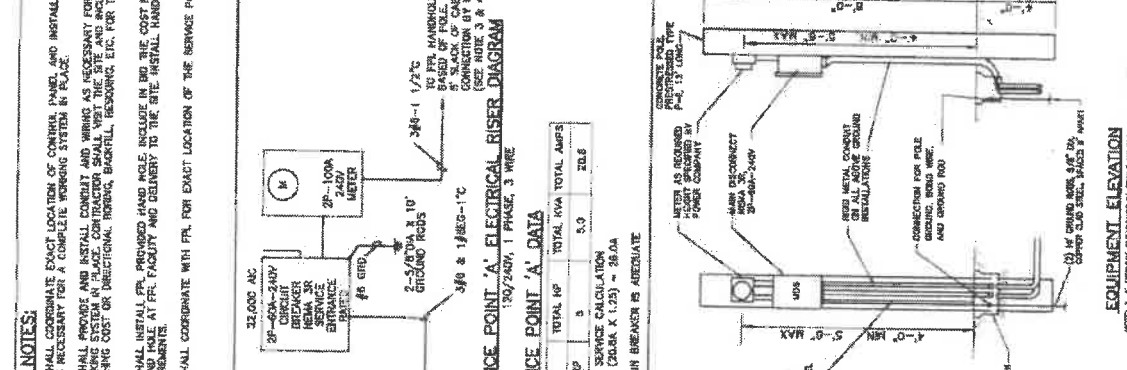
DATE

APPROVED BY

DATE



EQUIPMENT ELEVATION
NOTE 1. X MINIMUM CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT & ALL WORKING SURFACES SHALL BE 36 INCHES MIN.



SERVICE POINT 'A' DATA

DESCRIPTION	TOTAL HP	TOTAL KW	TOTAL AMPS
IRRIGATION PUMP	5	5.0	20.8
CURRENT			
SERVICE CALCULATION (CALC X 1.25) = 26.0A			
60A MAIN BREAKER IS APPROPRIATE			

- ELECTRICAL NOTES:**
1. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF CONTROL PANEL AND INSTALL CONDUIT AND WIRING AS NECESSARY FOR A COMPLETE WORKING SYSTEM IN PLACE.
 2. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT AND WIRING AS NECESSARY FOR A COMPLETE WORKING SYSTEM IN PLACE. VISIT THE SITE AND INCLUDE IN ALL TRACING COST OR DIRECTIONAL, TYPICAL, GENERAL, REVISIONS, ETC. FOR THE INSTALLATION.
 3. CONTRACTOR SHALL INSTALL PER PROVIDED HAND HOLES IN THE ROOF FOR PILING UP HAND HOLE AT PFL FACILITY AND DELIVERY TO THE SITE. INSTALL HAND HOLES AS PER PFL REQUIREMENTS.
 4. CONTRACTOR SHALL COORDINATE WITH PFL FOR EXACT LOCATION OF THE SERVICE POINT.
- GENERAL NOTES AND SPECIFICATIONS:**
1. THE SCOPE OF WORK SHALL CONSIST PRIMARILY OF THE FOLLOWING:
 - A. PROVIDE AND INSTALL IRRIGATION PUMP OTHER COMPLETE.
 - B. PROVIDE AND INSTALL SITE CONDUIT AND WIRING.
 - C. PROVIDE AND INSTALL SERVICE POINT 'A' COMPLETE.
 2. THE CONTRACTOR SHALL COORDINATE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.
 3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE, 2017 FLORIDA BUILDING CODE (BFLC) AND ALL LOCAL CODES.
 4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS AND TO COORDINATE HIS WORK WITH THE ENGINEER AND OWNER.
 5. THE CONTRACTOR SHALL, BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURES OF THE CONTRACTOR TO OBSERVE THEM.
 6. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH NEC, ARTICLE 250. THE GROUNDING SYSTEM SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES. ALL ELECTRICAL CONNECTIONS SHALL BE MADE TO THE MAIN BONDING UNLESS SPECIFICALLY INDICATED OTHERWISE. AN EQUIPMENT GROUND WIRE SIZED PER NEC SHALL BE INSTALLED IN ALL ELECTRICAL CONDUITS, POWER AND CONTROL, WHETHER OR NOT INDICATED ON THE PLANS.
 7. ALL EQUIPMENT AND MATERIAL SHALL BE NEW AND UNUSED AND U.L. LISTED.
 8. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL DEVICES INSTALLED OR IDENTIFIED UNDER THIS PROJECT AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER.
 9. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
 10. COORDINATE ALL ELECTRICAL EQUIPMENT LOCATIONS AND VERIFY ALL OBSTRUCTIONS WITH ALL SUBCONTRACTORS AND EQUIPMENT SUPPLIERS PRIOR TO ANY INSTALLATION.
 11. ALL REFERENCES TO A PARTICULAR MANUFACTURER ARE GIVEN ON AN "APPROVED EQUAL" BASIS.
 12. ALL EXCAVATIONS FOR CONDUITS AND HAND HOLES, NEAR EXISTING CONDUIT AND EQUIPMENT SHALL BE HAND EXCAVATED.
 13. URBANIN CODES FROM TOP OF DUCT BANKS OR CONDUITS TO FINISHED GRADE SHALL BE 24" UNLESS OTHERWISE NOTED.
 14. CONDUIT PULLING TENSIONS SHALL NOT EXCEED MANUFACTURER'S RECOMMENDATION. CONTRACTOR SHALL INSTALL PULL BOXES TO MEET MANUFACTURER'S REQUIREMENTS.
 15. PROVIDE CONDUIT DUCT SEAL AT ALL CONDUIT ENDS.
 16. ALL CONDUITS SHALL BE COPPER, THIN/THIN OR XHHW, 600 VOLT RATED. NO ALUMINUM ALLOWED UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
 17. COLORED WARNING TAPE 8" WIDE SHALL BE INSTALLED 8" BELOW FINISHED GRADE DIRECTLY ABOVE ALL UNDERGROUND WAD CONDUITS ACCORDING TO THE FOLLOWING SCHEDULE:
 - ALL OTHER CONCRETE: GREEN
 18. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT.
 19. ALL ABOVE GRADE CONDUIT SHALL BE RIG. SCHEDULE 40 RIG. SHALL BE USED UNDERGROUND. MINIMUM TRADE SIZE CONDUIT PERMITTED SHALL BE 3/4" INCH UNLESS OTHERWISE NOTED.
 20. ALL CONDUITS SHALL HAVE A SEPARATE GREEN GROUND CONDUCTOR INSTALLED FOR GROUNDING. WHETHER OR NOT INDICATED ON THE PLANS.
 21. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING EQUIPMENT: CONDUIT, WIRE, AND CIRCUIT BREAKER, DISCONNECT SWITCH.
 22. CONTRACTOR SHALL WITHIN 90 DAYS AFTER THE DATE OF THE SYSTEM ACCEPTANCE, PREPARE TO THE BUILDING OWNER RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING A SINGLE LINE DIAGRAM AND ALL ELECTRICAL DISTRIBUTION SYSTEM AND RELATED FLOOR PLANS INDICATING THE LOCATION AND AREA SERVED FOR THE DISTRIBUTION.
 23. CONTRACTOR SHALL PROVIDE TO THE BUILDING OWNER AN OPERATING AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 604.04 OF THE 2017 FFL EDITION FLORIDA BUILDING CODE - ENERGY CONSERVATION, INCLUDING ANY AMENDMENTS THEREIN.
 24. CONTRACTOR SHALL COORDINATE WITH PFL AND COMPLY WITH ALL OF THEIR REQUIREMENTS.

SECO
State Engineering
Consultants, Inc.
1000 N. W. 34th St., Suite 100
Fort Lauderdale, FL 33309
Tel: 954.347.1111
Fax: 954.347.1112
www.secoinc.com

IRRIGATION PUMP ELECTRICAL PLAN

SHEET NO. LD-41

DATE: 2018-2019

DESIGNED BY: [Name]

CHECKED BY: [Name]

APPROVED BY: [Name]

DATE: [Date]

SCALE: 1"=40'-0"

PROJECT: [Name]

CLIENT: [Name]

LOCATION: [Name]

DRAWING NO. 7

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY: COCOONUT CREEK
ROAD: [Name]

KS KEITH & SCHNARS
A DIVISION OF KCI

Coconut Creek
BUTTERFLY CAPITAL OF THE WORLD®

SECTION No.(s): 86100000
S.R. No.(s): 7
FM No: 444935-1-74-01
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 7 (US 441 from Cullum Road (M.P. 21.411) to Eastbound State Road 869 (Sawgrass Expressway) On Ramp (M.P. 22.531)
FM No(s): 444935-1-74-01
Maintaining Agency: City of Coconut Creek
RLA of Record: Todd Keane Mohler
Date: May 10, 2019

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. 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 Project Site Maintenance Requirements and Recommendations as guidance. The understory plant materials selected for use within the restricted planting areas (Limits of Clear Sight) are to be mature height in compliance with Window Detail. Vertical tree heights must meet *FDOT Maintenance Rating Program (MRP)* standards. See Reference pages.

STAKING AND GUYING

All staking materials, except for replacements, are to be removed by the completion of FDOT establishment or after 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 surfacing and tree grates. Final surface tolerance from grade elevations shall, at a minimum, meet the most current FDOT Maintenance Rating Program Handbook Pages 43-47; ADA accessible sidewalk; and FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on The State Highway System. If the specialty surfacing or tree grates become damaged, they shall be replaced with the same type and specification as the approved plan.

HARDSCAPE (CONCRETE PAVERS)

All tree grates and concrete pavers (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.

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 (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*.

**HARDSCAPE (LANDSCAPE ACCENT LIGHTING)
(IF APPLICABLE)**

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)
(IF APPLICABLE)**

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 approved plans provide plant species selections consistent with the species located elsewhere on the corridor for continuity. Special maintenance requirements already identified in the Pruning section have the highest maintenance priority. Generally, the design provides an overstory of trees/palms, and an understory of turf, with a minor amount of concrete pavers and shrubs/groundcovers. Shrub/groundcover locations and quantities were limited by City request to keep maintenance requirements simplified.

Beyond the special maintenance requirements noted above, the overstory materials are intended to be maintained with natural form.

Understory materials are intended to be pruned as follows:

- Dwarf Yaupon Holly – sheared to maintain a height between 24 and 30 inches
- Horizontal Cocoplum –sheared to maintain a height between 36 and 48 inches
- Confederate Jasmine – sheared to maintain a height between 15 and 18 inches.

The irrigation system must be regularly inspected to insure the system does not apply water to the surface of the road.

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 2015*

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

Florida Department of Community Affairs (DCA), *Florida Board of Building Codes & Standards, 2017 Florida Building Code, Chapter 11 Florida Accessibility Code for Building Construction Part A*

http://www2.iccsafe.org/states/florida_codes/

Florida Department of Transportation, *Program Management, Maintenance Specifications Workbook Supplemental Specifications, Section 580 Landscape Installation*

<http://www.fdot.gov/programmanagement/Maintenance/2018Jan/default.shtm>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index 580-001 Landscape Installation*

<http://www.fdot.gov/design/standardplans/current/IDX/580-001.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 212.11 Clear Sight Triangles*

<http://www.fdot.gov/roadway/FDM/current/2018FDM212Intersections.pdf>

Florida Department of Transportation, *FDOT Design Manual for Design, Construction, Maintenance and Utility Operations on the State Highway System, Chapter 215.2.3 Clear Zone Criteria and 215.2.4 Lateral Offset*

Table 215.2.1 Clear Zone Width Requirements

Table 215.2.2 Lateral Offset Criteria (for Trees)

<http://www.fdot.gov/roadway/FDM/current/2018FDM215RoadsideSafety.pdf>

Florida Department of Transportation, *FDOT Standard Plans for Design, Construction, Maintenance and Utility Operations on the State Highway System, Index Series 102-600 Traffic Control through Work Zones*
<http://www.fdot.gov/design/standardplans/current/IDX/102-600.pdf>

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

SECTION No.(s): 86100000
S.R. No.(s): 7
FM No: 444935-1-74-01
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:	\$ 500,000.00
II.	APPROXIMATE LANDSCAPE IMPROVEMENT COST: Amounts are approximate	\$ 600,000.00

Please see attached

COST ESTIMATE:

2019 Florida Highway Beautification Council Grant

City of Coconut Creek - SR7/US441

FM# 444935-1-74-01

5/9/2019

KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT COST	SUBTOTAL
SHRUBS						
IV	184	ILEX VOMITORIA 'STOKES DWARF'	DWARF YAUPON HOLLY	3G, 12 IN HT X 12 IN SPR, 24 IN O.C.	\$32.00	\$5,888.00
CI	642	CHRYSOBALANUS ICACO 'HORIZONTALIS'	HORIZONTAL COCOPLUM	3G, 18 IN HT X 9 IN SPR, 24 IN O.C.	\$28.00	\$17,976.00
TJ	741	TRACHELOSPERMUM JASMINOIDES	CONFEDERATE JASMINE	3G 18 IN HT X 9 IN SPR, 24 IN O.C.	\$8.00	\$5,928.00
TREES						
BA	3	BULNESIA ARBOREA	VERAWOOD TREE	45G 10 FT HT 5 FT SPR, 2.5 IN	\$360.00	\$1,080.00
LS	8	LAGERSTROEMIA SPECIOSA	QUEEN'S CRAPE MYRTLE	10 FT HT X 6 FT SPR, 2 IN, STD	\$900.00	\$7,200.00
QV	10	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	14 FT HT X 7 FT SPR, 3-4 IN	\$1,300.00	\$13,000.00
SP	10	SABAL PALMETTO	SABAL PALM	12 - 24 FT, O.A., BOOTED	\$320.00	\$3,200.00
SPR	2	SABAL PALMETTO - RELOCATED	RELOCATED SABAL PALM		\$350.00	\$700.00
PE	20	PTYCHOSPERMA ELEGANS	SOLITAIRE PALM	5 FT CT, 10 FT CT, MATCHED, 4 IN	\$192.00	\$3,840.00
SOD						
SA	18,718	STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE GRASS	SQUARE FOOT	\$0.60	\$11,230.80
MULCH						
	1,200		RED MULCH	CUBIC YARDS	\$24.00	\$28,800.00
PAVERS						
	7,980		CONCRETE PAVERS, 8 IN X 8 IN	SQUARE FOOT	\$10.00	\$79,800.00
IRRIGATION						LANDSCAPE TOTAL: \$178,642.80
	1	IRRIGATION SYSTEM, COMPLETE - PER PLANS			\$279,357.20	\$279,357.20
SITE WORK & MISC.						
		DEMOLITION / CLEARING				\$10,000.00
		MOBILIZATION				\$36,000.00
		MAINTENANCE OF TRAFFIC				\$36,000.00
		TREE REMOVALS				\$10,000.00
		CONTINGENCY				\$50,000.00

GRAND TOTAL: \$600,000.00

RESOLUTION NO. 2018-173

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO APPLY FOR AND ACCEPT HIGHWAY BEAUTIFICATION GRANT FUNDING IN THE AMOUNT OF \$100,000 FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND TO EXECUTE A LANDSCAPE CONSTRUCTION AND MAINTENANCE AGREEMENT WITH FDOT FOR THE PURPOSE OF PROVIDING LANDSCAPE AND IRRIGATION IMPROVEMENTS ON THE MEDIANS ALONG STATE ROAD 7, BETWEEN THE SAWGRASS EXPRESSWAY AND CULLUM ROAD; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Florida Department of Transportation (FDOT) Highway Beautification Grant Program offers the City an opportunity to apply for grant funding for landscape beautification projects on State roadways; and

WHEREAS, a proposed Capital Improvement Program (CIP) project, entitled "State Road 7 Median Beautification," has been submitted for approval in the Fiscal Year 2019 Budget; and

WHEREAS, staff is recommending that the City pursue the aforementioned grant for the purpose of providing landscape and irrigation improvements to the medians along State Road 7, between the Sawgrass Expressway and Cullum Road; and

WHEREAS, the City of Coral Springs has agreed to pay for 50% of the ongoing costs of maintenance of this project; and

WHEREAS, the City Commission of the City of Coconut Creek believes it is in the best interest of the City to pursue the FDOT Highway Beautification Grant in the amount of \$100,000 for the purpose of making landscape and irrigation beautification improvements within the median rights-of-way on State Road 7 from the Sawgrass Expressway to Cullum Road.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF COCONUT CREEK, FLORIDA:

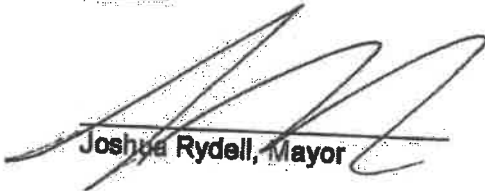
Section 1: That the foregoing "WHEREAS" clauses are hereby ratified and confirmed as being true and correct and are hereby made a specific part of this Resolution.

Section 2: That the City Commission hereby authorizes the City Manager, or designee, to apply for a Highway Beautification Grant in the amount of \$100,000 from the Florida Department of Transportation, and if awarded, to accept the grant, and enter into a Beautification Grant, Landscape Construction, and Maintenance Memorandum of Agreement between the Florida Department of Transportation and the City of Coconut Creek.

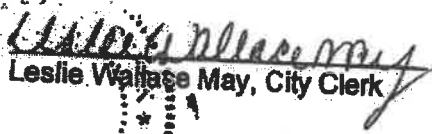
Section 3: That if any clause, section, other part or application of this Resolution is held by any court of competent jurisdiction to be unconstitutional or invalid, in part or in application, it shall not affect the validity of the remaining portion or applications of this Resolution.

Section 4: That this Resolution shall be in full force and effect immediately upon its adoption.

Adopted this 13th day of September, 2018.


Joshua Rydell, Mayor

Attest:


Leslie Wallace May, City Clerk



Rydell	<u>Aye</u>
Welch	<u>Aye</u>
Tooley	<u>Aye</u>
Sarbone	<u>Aye</u>
Belvedere	<u>Aye</u>