# CITY OF COCONUT CREEK

# LANDSCAPE PLANS As-built plan set

BROWARD COUNTY, FLORIDA

LYONS ROAD FROM ATLANTIC BLVD. TO COCONUT CREEK PARKWAY

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LOCATION OF PROJECT



STA. 73+35

BEGIN PROJECT STA. 35+22

PREPARED BY:

PREPARED FOR:



BUTTERFLY CAPITAL OF THE WORLD\*

BECKY TOOLEY

LOU SARBONE

JACKIE RAILEY

SANDRA WELCH

BRIAN ROSEN

JOSHUA RYDELL

SHEETS LD-1 THROUGH LD-41 HAVE BEEN DIGITALLY SIGNED & SEALED IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C. BY

END PROJECT

TODD MOHLER ON 3/3/2023

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LANDSCAPE PLANS ARCHITECT OF RECORD:

CITY COMMISSIONERS:

VICE-MAYOR

COMMISSIONER

COMMISSIONER

COMMISSIONER

PROJECT MANAGER:

TODD MOHLER, R.L.A. RLA. NO.: 0001594 KCI TECHNOLOGIES, INC. 1425 W CYPRESS CREEK ROAD, SUITE 101 FT. LAUDERDALE, FL 33309-1916 PHONE: 954-776-1616

Todd Mohler 2023.03.03 14:42:34-05'00'

# NOTICE

# INSPECTION REQUIRED

24 HRS. PRIOR TO COMMENCING ANY WORK IN THE PUBLIC R/W CONTACT BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION AT 954 577 4600 FOR INSPECTION.

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE A PERMIT FOR CONSTRUCTION.

A PERMIT FOR CONSTRUCTION MUST BE OBTAINED FROM BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION PRIOR TO COMMENCING CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.

ALL MATERIALS USED AND INSTALLATIONS WITHIN THE PUBLIC RIGHT OF WAY OR EASEMENTS SHALL BE IN ACCORDANCE WITH BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING **DIVISION SPECIFICATIONS** 

> BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION

PLAN CONSISTENT WITH PLAT REQUIREMENTS PUBLIC RIGHT OF WAY APPROVAL FOR PAVING, GRADING AND DRAINAGE

**PERMIT SET** MUST BE ON JOBSITE AT ALL TIMES DURING CONSTRUCTION

BID PLAN SET

SHEET NO.

LD-1

Z:\Projects\481900163.07 Lyons Rd - Atlantic to Cocck Parkway\LA\CAD\43631915201\landscp\KEYSLD01.dgn

# CITY OF COCONUT CREEK STANDARD LANDSCAPE NOTES

- 1) ALL LANDSCAPE AND SPECIFICATIONS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS PROVIDED IN THE CITY OF COCONUT CREEK LAND DEVELOPMENT CODE. PLANS ARE INCOMPLETE WITHOUT WRITTEN NOTES AND SPECIFICATIONS.
- 2) ALL PLANTING MATERIAL SHALL MEET OR EXCEED FLORIDA GRADE #1 AS SPECIFIED IN GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. TREES SHALL NOT BE TIPPED, TOPPED, OR SHAPED PRIOR TO INSTALLATION.
- 3) LANDSCAPE SHALL BE PLACED TO EDGE OF ABUTTING STREETS, CANALS, LAKES, OR OTHER LANDS.
- 4) ALL MECHANICAL EQUIPMENT, AIR CONDITIONING, IRRIGATION PUMP STATIONS AND EQUIPMENT, FPL TRANSFORMERS, POOL PUMPS, ETC., MUST BE SCREENED ON THREE (3) SIDES BY LANDSCAPING SHRUBS.

NOTE THE QUANTITY OF SCREENING SHRUBS IS IN ADDITION TO THE REQUIRED NUMBER OF SHRUBS AS PROVIDED IN THE CODE CALCULATION TABLE. ALL SCREENING SHRUBS SHALL BE PLANTED FOR PROPER OPERATION OF EQUIPMENT BEING SCREENED AND/OR PER THE REQUIREMENTS OF THE UTILITY AS NECESSARY. ALL HEDGE MATERIAL REQUIRED FOR SCREENING PURPOSES SHALL BE PLANTED WITH BRANCHES TOUCHING. ADJUST ON-CENTER SPACING AS NECESSARY AND/OR PROVIDE ADDITIONAL PLANTS TO PROVIDE AN ADEQUATE SCREEN.

- 5) SIGHT DISTANCE CONCERNS MUST BE MAINTAINED FOR CLEAR SIGHT VISIBILITY FROM THIRTY INCHES TO SEVENTY-TWO INCHES, TREE TRUNKS EXCLUDED MEASUREMENT SHALL BE MADE FROM TOP OF ROOT BALL PLANTED AT PROPER ELEVATION.
- 6) GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACES OF TREES, PALMS, OR OTHER PLANT MATERIAL. TREES, PALMS, AND PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED WITH THE INSPECTOR ON SITE.
- 7) BURLAP MATERIAL, WIRE CAGES, PLASTIC/CANVAS STRAPS ETC., MUST BE CUT AND REMOVED FOR THE TOP ONE-HALF (1/2) DEPTH OF THE ROOT BALL. TREES AND SHRUBS GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE SUCH MATERIAL REMOVED ENTIRELY PRIOR TO PLANTING THE TREE OR SHRUB.
- 8) ALL PLANT MATERIAL SHALL BE FREE OF PESTS, INSECTS, DISEASES, WEEDS, ETC.
- 9) ALL REQUIRED LANDSCAPE MATERIAL SHALL BE INSTALLED USING A PLANTING SOIL MIX COMPRISED OF A TYPE APPROPRIATE TO THE INDIVIDUAL PROPOSED PLANT MATERIAL AND THE NATIVE SOIL FOUND ON THE SITE.
- 10) ALL PLANT MATERIAL SHALL BE PLANTED AT THE PROPER DEPTH, AS ORIGINALLY GROWN AND/OR SO THE TOP OF THE ROOT BALL IS FLUSH OR SLIGHTLY ABOVE FINISHED GRADE IMMEDIATELY AFTER PLANTING. ALL TREES SHOULD PROVIDE TRUNK TAPER WHEN PROPERLY PLANTED AT THE CORRECT PLANTING DEPTH.
- 11) ALL PLANT MATERIAL SHALL BE WATERED IN AT TIME OF PLANTING TO ELIMINATE AIR POCKETS IN THE ROOT ZONE AREA
- 12) UPON COMPLETION OF WORK, THE SITE SHALL BE CLEARED OF ALL DEBRIS, SUPERFLUOUS MATERIALS, AND EQUIPMENT CAUSED BY THIS PERMIT TO THE SATISFACTION OF THE
- 13) REFER TO COCONUT CREEK FIRE EQUIPMENT CLEAR ZONE DIAGRAM TO MAINTAIN A SAFE ZONE FRONTING FIRE HYDRANTS.

DO NOT PLANT TREES, SHRUBS, OR GROUNDCOVER WITHIN ELECTRIC METER CLEAR ZONE. PROVIDE A SAFE ZONE AS DESCRIBED BY THE ELECTRICAL INSPECTOR

ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN UNDERGROUND FULLY AUTOMATED IRRIGATION SYSTEM USING POP-UP SPRINKLERS. SYSTEM SHALL PROVIDE 100% COVERAGE WITH 50%0VERLAND (MINIMUM) USING RUST FREE WATER, EXCEPT PRESERVED AREAS REMAINING IN NATURAL STATE, A RAIN SENSOR DEVICE OR SWITCH SHALL BE INSTALLED THAT WILL OVERRIDE THE IRRIGATION SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED WATER SHALL NOT BE DIRECTED AND/OR PROVIDED INTO IMPERVIOUS SURFACES AND/OR BE DESIGNED OR INSTALLED

TO THROW WATER OVER AN IMPERVIOUS SURFACE SUCH AS A SIDEWALK, ETC. HOURS OF OPERATION FOR ALL IRRIGATION SYSTEMS SHALL BE LIMITED TO 5 00 PM TO 8 00 AM. ONLY OR AS MAY BE FURTHER RESTRICTED BY SOUTH FLORIDA WATER MANAGEMENT DISTRICT OR OTHER JURISDICTIONAL AGENCY.

- 16) IRRIGATION PERMITS AND PLANS SHALL BE SUBMITTED FOR APPROVAL AT TIME OF BUILDING
- 17) ALL NON-SINGLE FAMILY OR DUPLEX IRRIGATION SYSTEMS OTHER THAN CITY WATER SYSTEMS SHALL REQUIRE A SOUTH FLORIDA WATER MANAGEMENT DISTRICT WATER USE PERMIT PRIOR TO ISSUANCE OF AN IRRIGATION PERMIT AND INSTALLATION OF THE IRRIGATION SYSTEM AS REQUIRED
- 18) ALL SITE AMENITIES TO INCLUDE SITE STREET LIGHTS, LANDSCAPE COMMON OPEN SPACE, IRRIGATION COMMON OPEN SPACE, BUFFERS, BERMS, LANDSCAPED ENTRY FEATURES, ETC. LEADING UP TO AND INCLUDING THE MODEL CENTER AND/OR FIRST CERTIFICATE OF OCCUPANCY MUST BE COMPLETED AND FUNCTIONAL PRIOR TO ISSUANCE OF THE FIRST REQUESTED CERTIFICATE OF OCCUPANCY.
- 19) THE HEIGHT OF ALL REQUIRED, DESIGNED AND INSTALLED BERMS SHALL BE FROM THE HIGHEST ADJACENT POINT WHETHER IT IS THE SIDEWALK, PARKING AREA, VEHICULAR USE AREA, SURROUNDING GROUND, ETC. WHERE A BERM ABUTS A SIDEWALK, THERE SHALL BE ONE (1) FOOT LEVEL SOD AREA ADJACENTTO THE SIDEWALK PRIOR TO THE START OF INCLINE FOR THE BERM.
- 20) AN INSPECTION IS REQUIRED PRIOR TO THE BACKFILLING OF TREES/PALMS IN THE PARKING MEDIANS AND ISLANDS.

# ADDITIONAL NOTES

# **GENERAL NOTES**

- 1) LIMITS OF CLEAR SIGHT ARE BASED ON DESIGN SPEED OF 45 MPH.
- 2) DESCRIPTION FURNISH, INSTALL, ESTABLISH, MAINTAIN AND WARRANTY PLANTS AND INCIDENTAL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3) VERIFY SITE CONDITIONS BEFORE BIDDING.
- 4) ALL SIGNS AND UTILITIES ARE TO REMAIN.
- 5) UTILITIES
- A CALL SUNSHINE STATE ONE CALL OF FLORIDA (811) TWO FULL BUSINESS DAYS BEFORE DIGGING
- B. THE CONTRACTOR MUST BE PRESENT FOR UTILITY LOCATES.
- C. INSTALL INLET PROTECTION, REGARDLESS OF WHETHER INLET IS SHOWN ON PLANS.
- CLEAR AND GRUB MEDIANS TO REMOVE ALL EXISTING TURF AND PLANTS, EXCEPT FOR THOSE DESIGNATED TO REMAIN. REMOVE EXISTING IRRIGATION EQUIPMENT WHERE VISIBLE AND WHERE EXPOSED DURING WORK.
- 7) PROTECT EXISTING TREES ADJACENT TO CLEARING AND GRUBBING AND INSTALLATION ACTIVITIES. REPLACE TREES DAMAGED OR DESTROYED WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER
- 8) REPAIR AND RESTORE EXISTING AREAS DISTURBED BY INSTALLATION, ESTABLISHMENT OR MAINTENANCE ACTIVITIES.
- REMOVE LITTER, DEBRIS, AND EXCESS MATERIAL AT THE END OF EACH DAY'S WORK
- 10) remove undesirable vegetation and eradicate FISC category one invasive plant SPECIES. THIS INCLUDES FROM WALLS AND WITHIN FENCES.
- 11) A 1 YEAR WARRANTY PERIOD COVERING MATERIALS AND WORKMANSHIP WILL BEGIN UPON FINAL ACCEPTANCE
- 12) STUMP GRIND TO 12" DEPTH STUMPS FROM REMOVED TREES.
- 13) FILL DEPRESSIONS WITH TOPSOIL TO PROVIDE SMOOTH AND EVEN FINISHED GRADE
- 14) REPLACE IN KIND ANY CONCRETE / PAVEMENT / INFRASTRUCTURE DAMAGED DURING
- 15) BROWARD COUNTY INSPECTORS REQUIRE 72-HOUR NOTICE.
- 16) THE LANDSCAPE DESIGN AND INSTALLATION WILL FOLLOW BROWARD COUNTY NATURESCAPE GUIDELINES AND FLORIDA FRIENDLY LANDSCAPING PROGRAM GUIDELINES.

#### LANDSCAPE NOTES:

NOT LESS THAN 14 DAYS BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:

- 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 (FNGLA).
- 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 LOCK TAG THE EXAMPLE PLANT MATERIAL
- 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 PLAN IS NOT A RELEASE FROM RESPONSIBILITY OF THE ESTABLISHMENT AND MAINTENANCE AS REQUIRED IN THE CONTRACT DOCUMENTS. PERFORM ANCILLARY 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.

## 2)

AN FNGLA CERTIFIED LANDSCAPE CONTRACTOR MUST BE ON SITE TO DIRECT LANDSCAPE OPERATIONS.

A. MAKE PLANT MATERIALS AVAILABLE FOR INSPECTION BEFORE INSTALLATION

- B. 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:
- B. LIGHTS.
- C. OVERHEAD AND UNDERGROUND UTILITIES.
- D. ACCESS WAYS.
- E. GATES.
- F. FPL RIGHT TREE/RIGHT PLACE SETBACKS.
- G. ANSI Z-133 UTILITY CLEARANCE REQUIREMENTS
- H. FIRE PROTECTION EQUIPMENT
- C. SOIL AMENDMENT: 25%/75% MIX OF 100% DECOMPOSED COMPOST AND EXISTING BACKFILL

#### MAINTAIN

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 HAND CLUMP
- D. APPLY AN 8-2-12+4 MG 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:

- · REMOVE CROSSING, DEFLECTING, AND CIRCLING ROOTS.
- REMOVE CROSSING, DEAD, AND DAMAGED BRANCHES.
- ESTABLISH AND MAINTAIN FLORIDA NUMBER 1 BRANCH STRUCTURE
- · MAINTAIN HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT PER FDOT DESIGN MANUAL CHAPTER 215.
- MAINTAIN VISIBILITY OF SIGNS.
- · COMPLY WITH THESE PLANS.

	REVISIONS			TODD MOHLER, R.L.A.
DATE	DESCRIPTION	DATE	DESCRIPTION	R.L.A. LICENSE NUMBER 0001594 KCI TECHNOLOGIES INC. 1425 W CYPRESS CREEK ROAD, SUITE 101 FORT LAUDERDALE,
Chase.Russell				FLORIDA 33309-1916 3/1/2023 2:39:10 PM Default



LYONS RD LANDSCAPE AND GENERAL NOTES

SHEET

3) ITEMIZED COSTS:
BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT A UNIT COST BREAKDOWN FOR EACH ITEM OF WORK.

BEFORE THE PRE-CONSTRUCTION MEETING, SUBMIT FOR REVIEW THE MANUFACTURERS PRODUCT SHEETS AND SAMPLES OF:

A) PAYERS

B) POLYMERIC JOINTING SAND

C) WATER BASED SEALANT

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) LIMEROCK BASE COURSE APPROVAL
BEFORE INSTALLING THE LIMEROCK BASE COURSE, COMPACT THE SUBGRADE, THEN PLACE AND COMPACT
THE LIMEROCK BASE COURSE, SURFACE TOLERANCE REQUIREMENT IS PLUS/MINUS 3/8 INCH OVER A
10 FOOT STRAIGHT EDGE.

7) DENSITY TESTING:
PERFORM DENSITY TESTS ON THE LIMEROCK BASE COURSE AT EACH SEPARATE PAVER INSTALLATION
AREA AND SUBMIT TEST RESULTS.REQUEST APPROVAL OF THE LIMEROCK BASE COURSE.

SAND BEDDING COURSE:

CONFORM TO ASTM C 33,FREE OF ORGANIC MATERIALS,WITH 100 PERCENT PASSING THROUGH
A 3/8 INCH SIEVE SIZE AND A MAXIMUM OF I PERCENT PASSING A NUMBER 200 SIEVE SIZE.
ICOMMONLY KNOWN AS MANUFACTURED CONCRETE SAND OR CONCRETE SCREEDINGS).
DO NOT USE MASON SAND.

9) JOINTS: MAXIMUM JOINT LINE TOLERANCE IS 1/2 INCH OVER 50 FEET.

IO) PAVER COMPACTION:

VIBRATE PAVERS INTO THE SAND BEDDING COURSE USING A PLATE COMPACTOR WITH A

RUBBER BASE CAPABLE OF 5000 POUNDS COMPACTION FORCE.

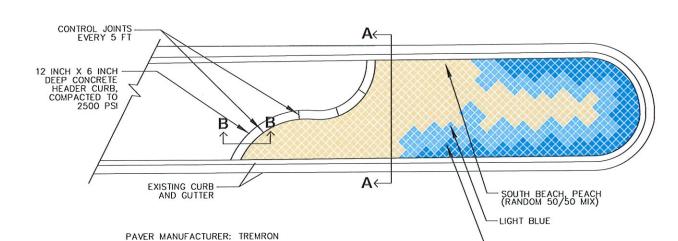
II) POLYMERIC JOINTING SAND: APPLY DRY POLYMERIC JOINT SAND OVER DRY PAVERS PER MANUFACTURER'S INSTRUCTIONS.

12) PRESSURE CLEAN ALL EXISTING CONCRETE SURFACES AFTER COMPLETION OF PAVER AND/OR PLANT MATERIAL INSTALLATION.

13) PROVIDE TWO (2) COATS OF WATER BASED SEALANT ON ALL CONCRETE PAVERS.

14) REPAIR AND/OR REPLACE ALL EXISTING CURBING AND/OR CONCRETE SURFACES DAMAGED DURING PAVER AND/OR PLANT MATERIAL INSTALLATION.

15) DELIVER 10 ADDITIONAL PAVERS FOR EACH COLOR TO THE CITY ONCE THE JOB IS COMPLETED.

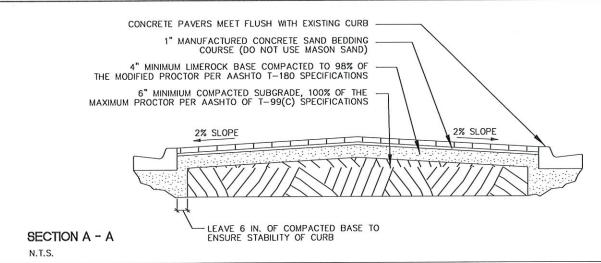


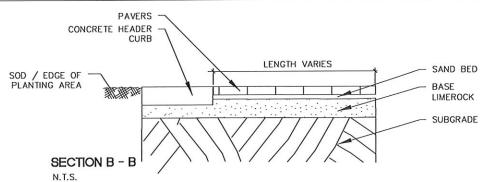
CONTINENTAL BLUE

CONTACT: ROBYN BYNAKER 954.325.5006

PAVERS: 8 X 8 X 2 3/8 INCH STYLE:PARK PLAZA PATTERN: 45 DEGREE

TYPICAL PLAN N.T.S.





REVISIONS

DATE DESCRIPTION

DATE DESCRIPTION

DATE DESCRIPTION

R.L.A. LICENSE NUMBER 0001594

KCI TECHNOLOGIES INC.
1425 W CYPRESS CREEK ROAD,
SUITE 101 FORT LAUDERDALE,
FLORIDA 33309-1916

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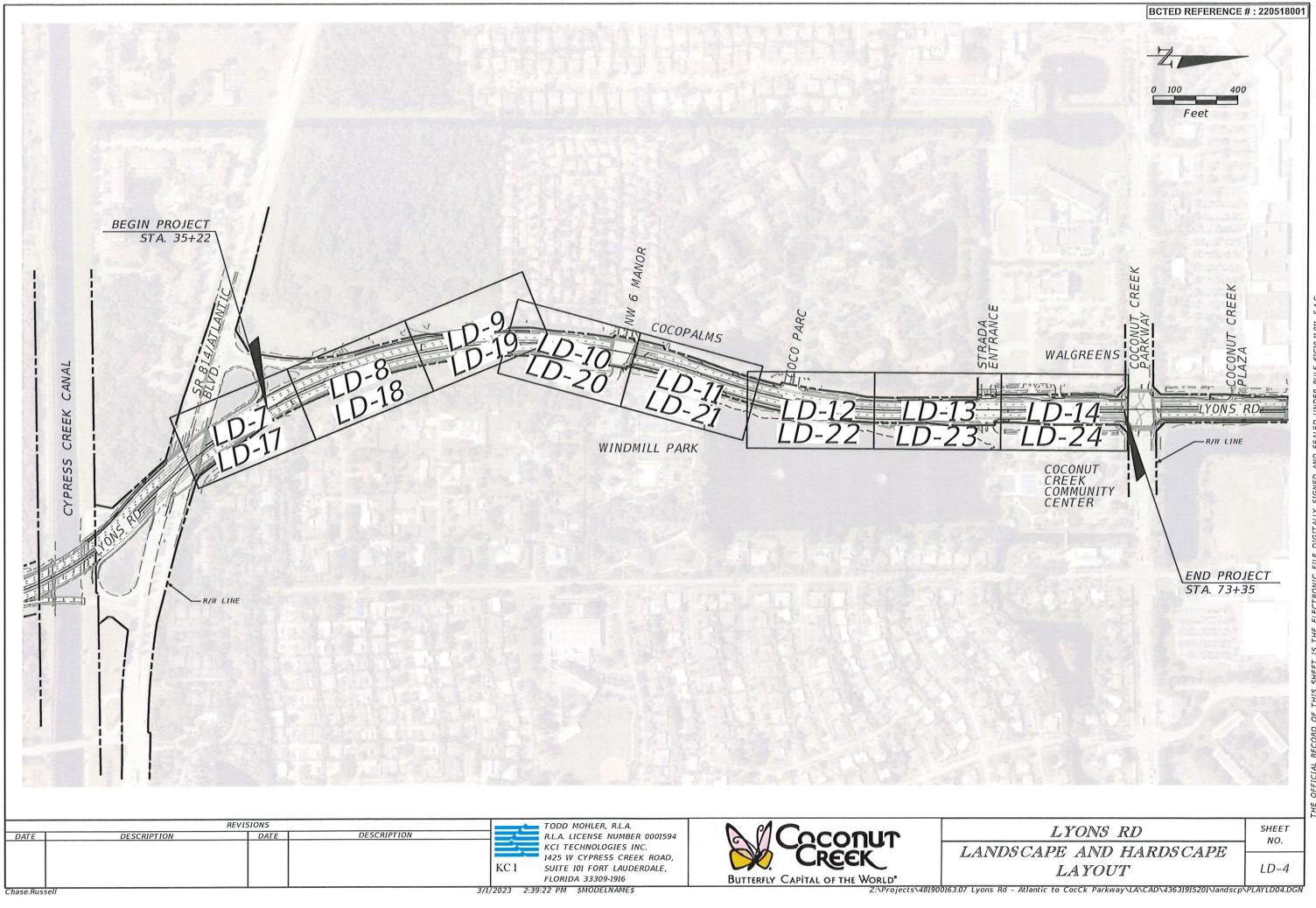


LYONS RD
HARDSCAPE DETAILS

SHEET NO.

LD-3

THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61610-11.011, F.,



3/1/2023 2:39:22 PM \$MODELNAME\$

				,	TREE DISP	OSITION CHART				
SHEET NO.	TREE NO.	SCIENTIFIC NAME	COMMON NAME	DBH (IN.)	HEIGHT (FT.) (APPROX.)	CANOPY SPREAD (FT.)(APPROX.)	CANOPY AREA (SQ FT.) (APPROX.)	CONDITION	DISPOSITION	NOTES
LD-7	1	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	18	11	20	314	EXCELLENT	REMAIN	
LD-8	2	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	30	18	30	707	GOOD	REMAIN	
LD-8	3	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	30	18	30	707	GOOD	REMAIN	
LD-8	4	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	30	18	30	707	GOOD	REMAIN	
LD-8	5	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	8	15	177	FAIR	REMOVE	
LD-8	6	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	9	8	12	113	FAIR	REMOVE	
LD-8	7	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	8	15	177	FAIR	REMOVE	
LD-8	8	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	16	15	177	FAIR	REMOVE	
LD-8	9	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	12	12	113	FAIR	REMOVE	
LD-8	10	SABAL PALMETTO	CABBAGE PALM	18	11	12	113	GOOD	REMAIN	
LD-8		SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
LD-8		SABAL PALMETTO	CABBAGE PALM	19	12	12	113	GOOD	REMAIN	
LD-8		SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-8		SABAL PALMETTO	CABBAGE PALM	20	12	12	113	GOOD	REMAIN	
LD-8	15	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
LD-8	16	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
LD-8	17	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
LD-8	18	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-8		SABAL PALMETTO	CABBAGE PALM	16	12	12	113	GOOD	REMAIN	
LD-8	1000000	SABAL PALMETTO	CABBAGE PALM	25	9	12	113	GOOD	REMAIN	
LD-8	21	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
LD-8	22	SABAL PALMETTO	CABBAGE PALM	16	12	12	113	GOOD	REMAIN	
LD-8	23	SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
LD-8	24	SABAL PALMETTO	CABBAGE PALM	23	10	12	113	GOOD	REMAIN	
LD-8	25	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-8	26	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	12	8	12	113	FAIR	REMOVE	
LD-8	27	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	14	12	15	177	FAIR	REMOVE	
LD-9	28	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	14	12	15	177	FAIR	REMOVE	
LD-9	29	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	12	6	12	113	FAIR	REMOVE	
LD-9	30	SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
LD-9	31	SABAL PALMETTO	CABBAGE PALM	25	9	12	113	GOOD	REMAIN	
LD-9	32	SABAL PALMETTO	CABBAGE PALM	18	12	12	113	GOOD	REMAIN	
LD-9	33	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-9	34	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
LD-9	35	SABAL PALMETTO	CABBAGE PALM	30	9	12	113	GOOD	REMAIN	
LD-9	36	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-9	37	SABAL PALMETTO	CABBAGE PALM	30	10	12	113	GOOD	REMAIN	
LD-9	38	SABAL PALMETTO	CABBAGE PALM	30	10	12	113	GOOD	REMAIN	
LD-9	39	SABAL PALMETTO	CABBAGE PALM	30	10	12	113	GOOD	REMAIN	
LD-9	40	SABAL PALMETTO	CABBAGE PALM	30	10	12	113	GOOD	REMAIN	
LD-9	41	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
LD-9	42	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-9	43	SABAL PALMETTO	CABBAGE PALM	30	11	12	113	GOOD	REMAIN	
LD-9	43	SABAL PALMETTO	CABBAGE PALM	19	12	12	113	GOOD	REMAIN	
LD-9	44	SABAL PALMETTO	CABBAGE PALM	21	10	12	113	GOOD	REMAIN	
20-9	43	JADAL FALILLIO	CARRAGE A MEN							
			1							

		REVISIONS		TODD MOHLER, R.L.A.
DATE	DESCRIPTION	DATE	DESCRIPTION	R.L.A. LICENSE NUMBER 0001594
				KCI TECHNOLOGIES INC.
1		1 1		1425 W CYPRESS CREEK ROAD,
- 1		1 1		SUITE 101 FORT LAUDERDALE,
				FLORIDA 33309-1916

DDD MOHLER, R.L.A.
L.A. LICENSE NUMBER 0001594
CI TECHNOLOGIES INC.
25 W CYPRESS CREEK ROAD,
DITE 101 FORT LAUDERDALE,
LORIDA 33309-1916

BUTTERFLY CAPITA

COODUT

LYONS RD
TREE DISPOSITION CHART

SHEET NO.

LD-5

FFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALE

LD-9 47	SCIENTIFIC NAME								
LD-9 47		COMMON NAME	DBH (IN.)	HEIGHT (FT.) (APPROX.)	CANOPY SPREAD (FT.)(APPROX.)	CANOPY AREA (SQ FT.) (APPROX.)	CONDITION	DISPOSITION	NOTES
	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
ID-9 48	SABAL PALMETTO	CABBAGE PALM	22	10	12	113	GOOD	REMAIN	
	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	8	12	113	FAIR	REMOVE	
	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	14	16	15	177	FAIR	REMOVE	
	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	12	8	14	154	FAIR	REMOVE	
0.000 (0.	ILEX CASSINE	DAHOON HOLLY	18	11	16	201	GOOD	REMAIN	
	BAUHINIA PURPUREA	ORCHID TREE	22	17	20	314	GOOD	REMOVE	
	SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
		CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	18	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO		22	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM  CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
75,000 A10000 A10000 A100000	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
The state of the s	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	30	9	12	113	GOOD	REMAIN	
The state of the s	SABAL PALMETTO	CABBAGE PALM	30	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	20	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	25	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	20	12	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
LD-12 73	SABAL PALMETTO	CABBAGE PALM	30	9	12	113	GOOD	REMAIN	
LD-12 74	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
LD-12 75	SABAL PALMETTO	CABBAGE PALM	25	9	12	113	GOOD	REMAIN	
LD-12 76	SABAL PALMETTO	CABBAGE PALM	25	9	12	113	GOOD	REMAIN	
100 March 100 Ma	SABAL PALMETTO	CABBAGE PALM	25	11	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	25	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	10	12	113	GOOD GOOD	REMAIN REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	10	12	113 113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	22	9	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO	CABBAGE PALM  CABBAGE PALM	20	10	12	113	GOOD	REMAIN	
	SABAL PALMETTO  CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	16	12	20	314	GOOD	REMAIN	
LD-13 89	CONOCANTOS ENECTOS SENTCEOS	J.E. E. BOTTOMIOOD					20.20		

REMAIN	QUANTITY
CONOCARPUS ERECTUS 'SERICEUS'	1
ILEX CASSINE	1
QUERCUS VIRGINIANA	4
SABAL PALMETTO	70

	MITIGAT	TION CALCULATIONS	
REMOVE	QUANTITY	TOTAL CANOPY REMOVED (SQ. FT.)	TOTAL CANOPY PROPOSED
BAUHINIA PURPUREA	1	314	
CONOCARPUS ERECTUS 'SERICEUS'	4	580	SEE LANDSCAPE TABULATION OF
LIGUSTRUM JAPONICUM	8	1201	QUANTITIES
			and an action of the control of the
TOTALS	13	2095	

		REVISIONS		-
DATE	DESCRIPTION	DATE	DESCRIPTION	
		1 1		
		1 1		IKC
				110

Chase.Russell

TODD MOHLER, R.L.A.
R.L.A. LICENSE NUMBER 0001594
KCI TECHNOLOGIES INC.
1425 W CYPRESS CREEK ROAD,
SUITE 101 FORT LAUDERDALE,
FLORIDA 33309-1916

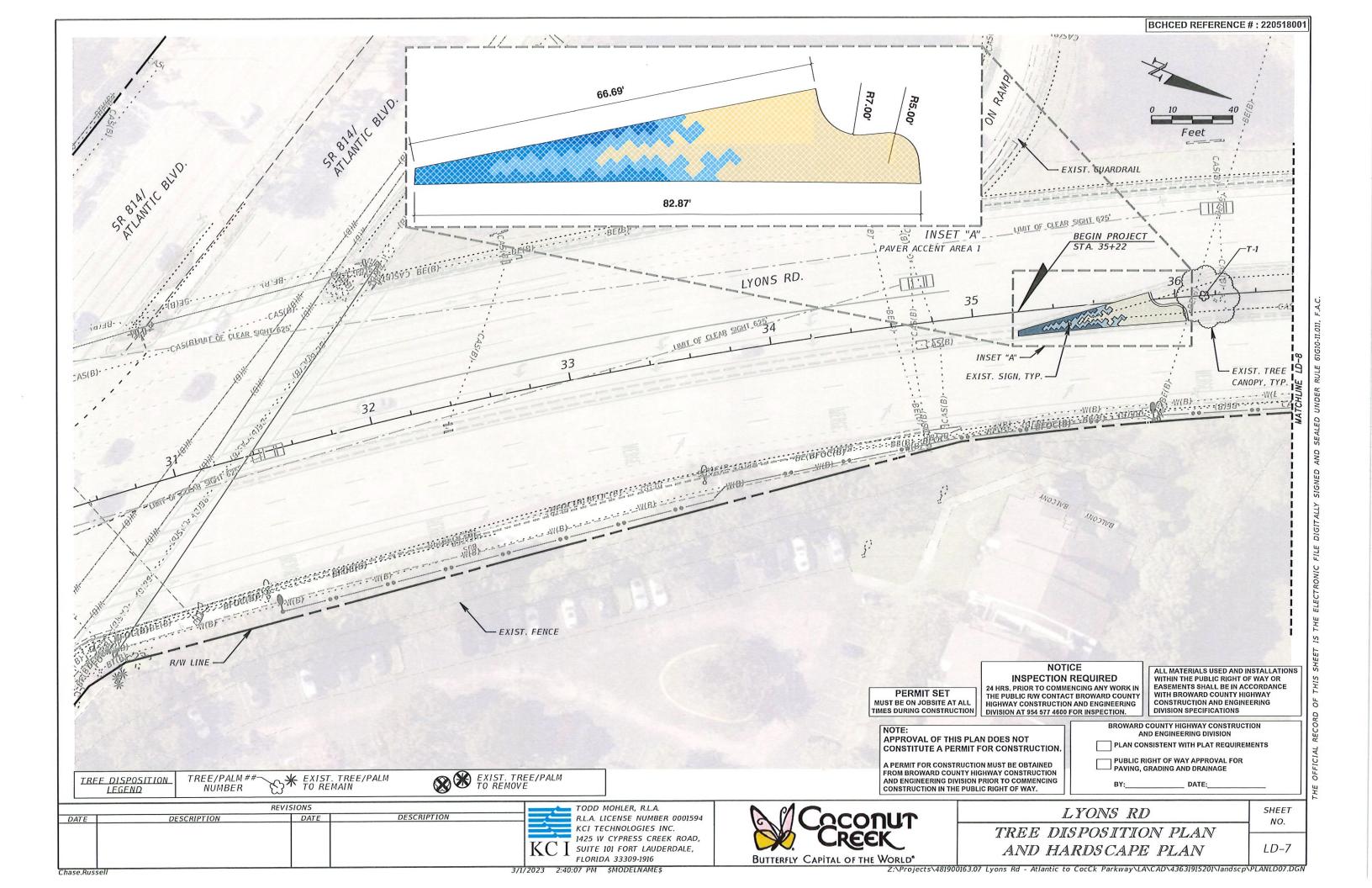


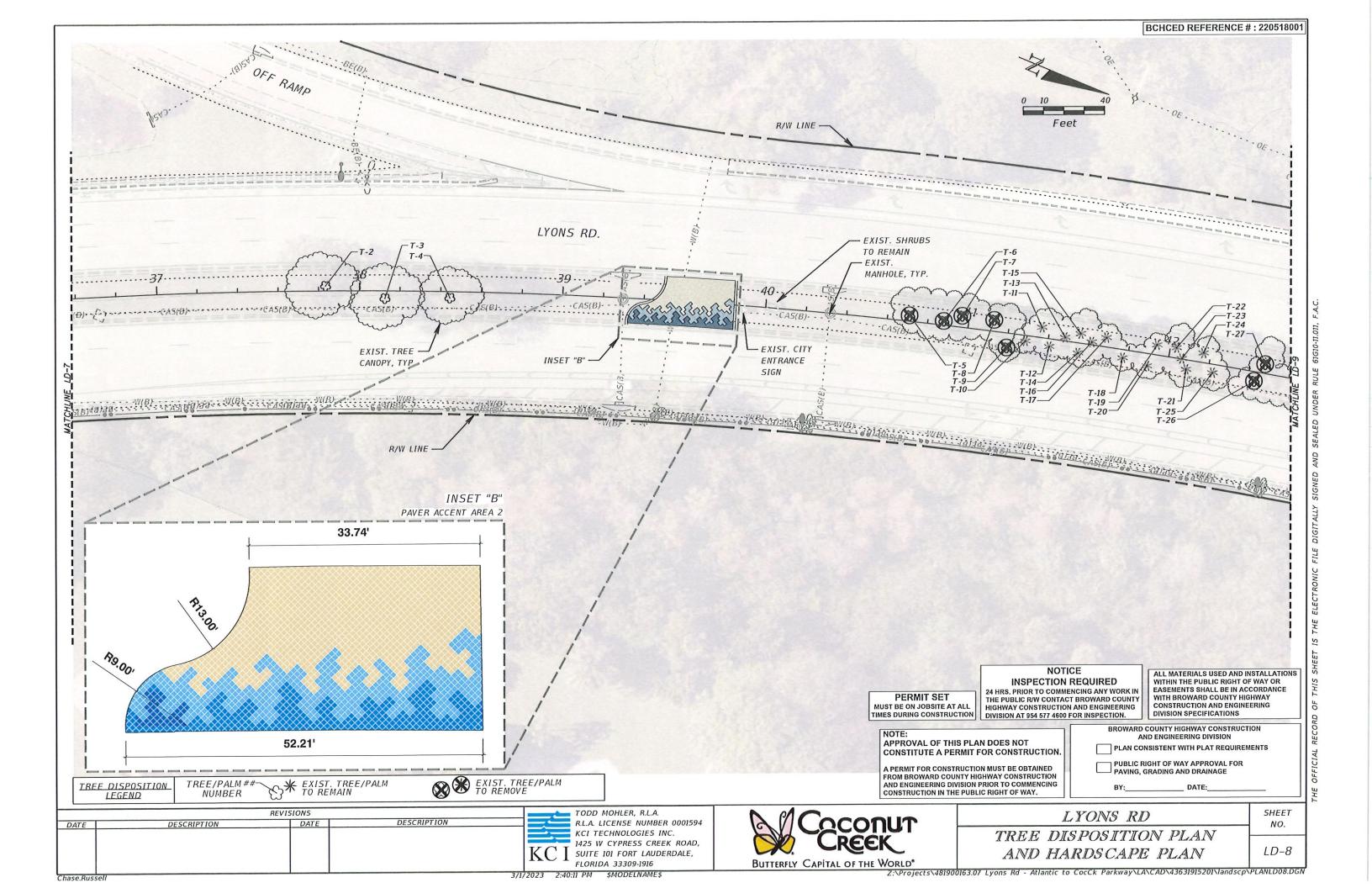
	LYONS RD	
TREE	DISPOSITION CHART	

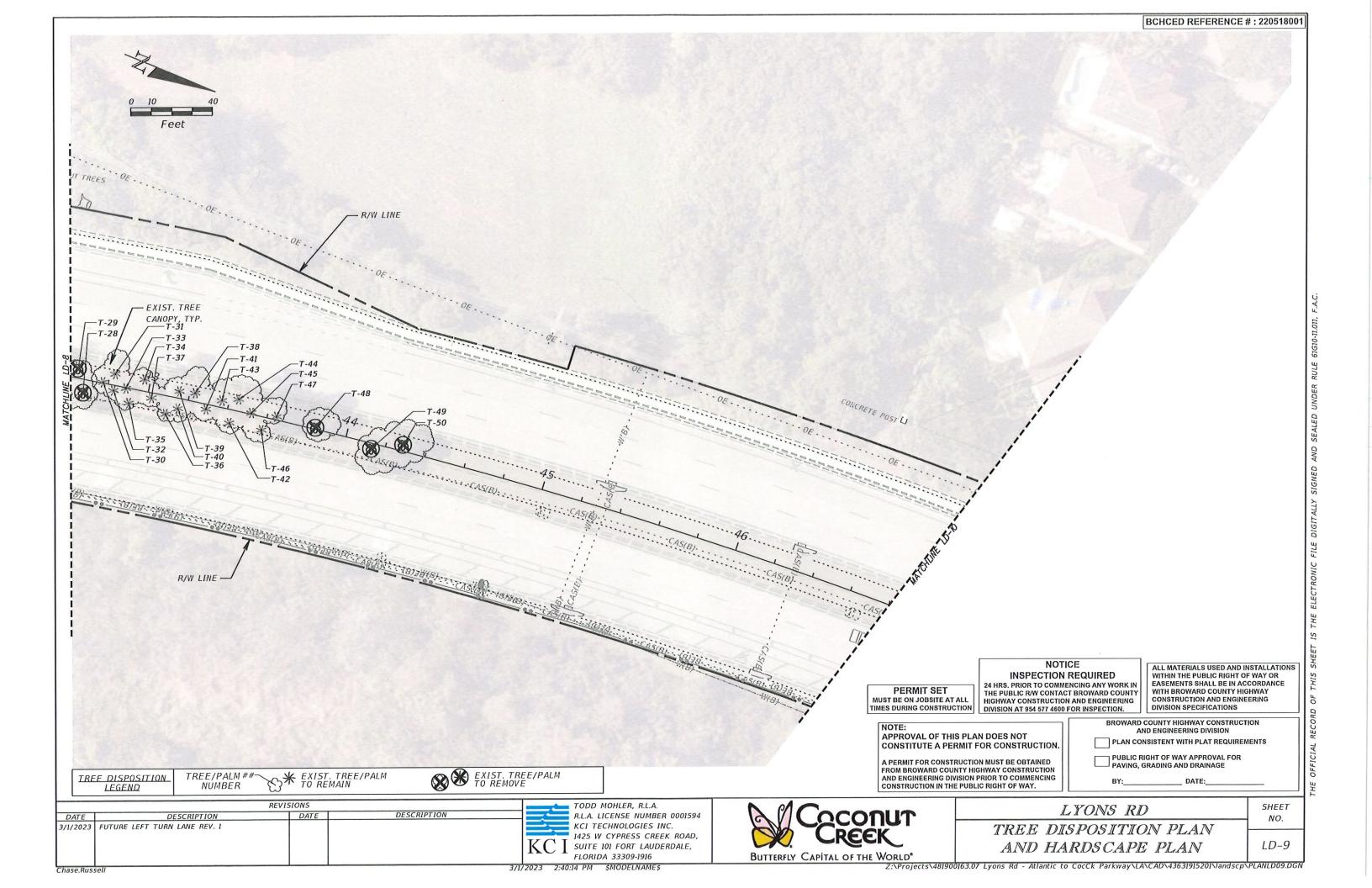
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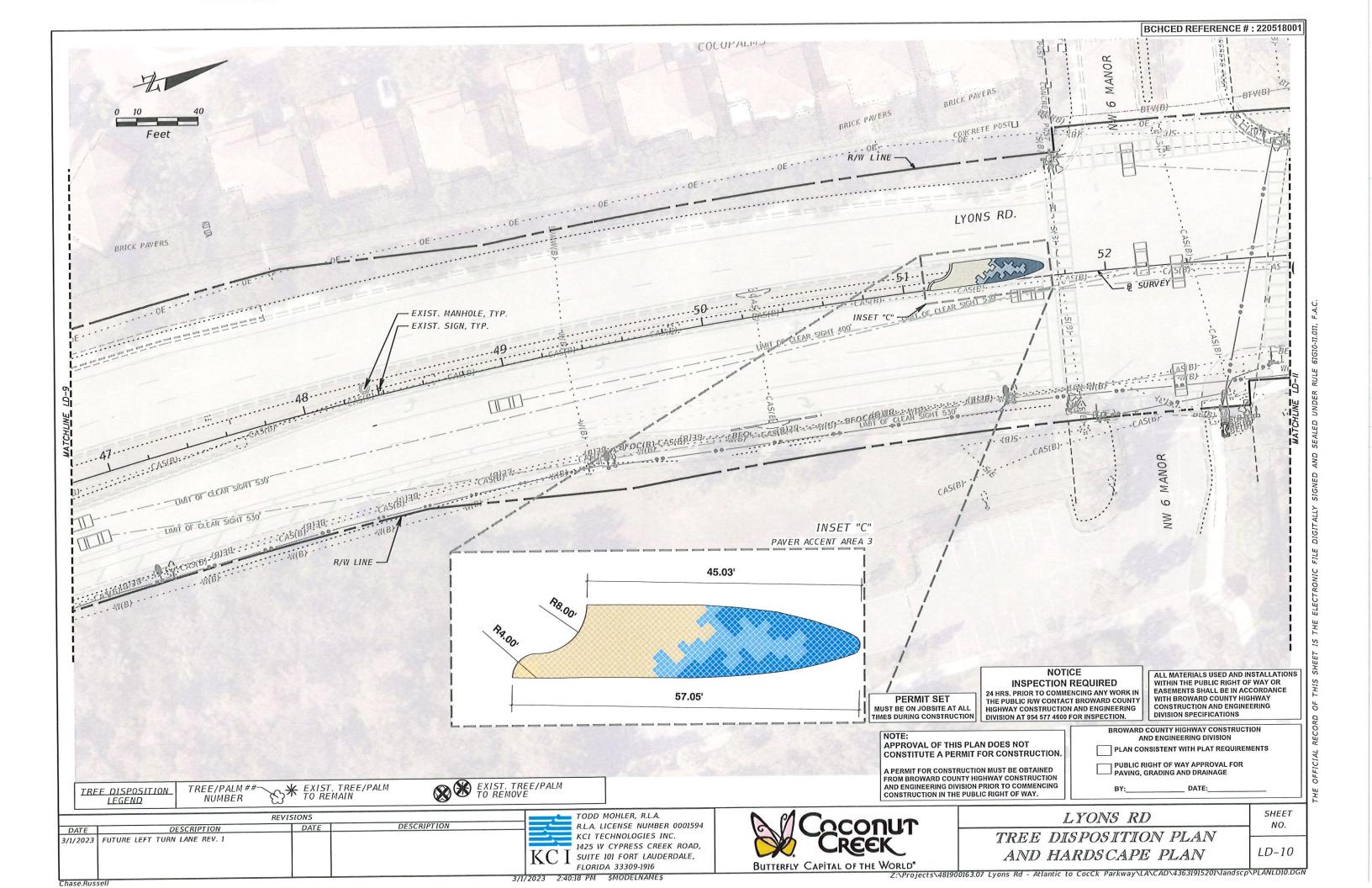
LD-6

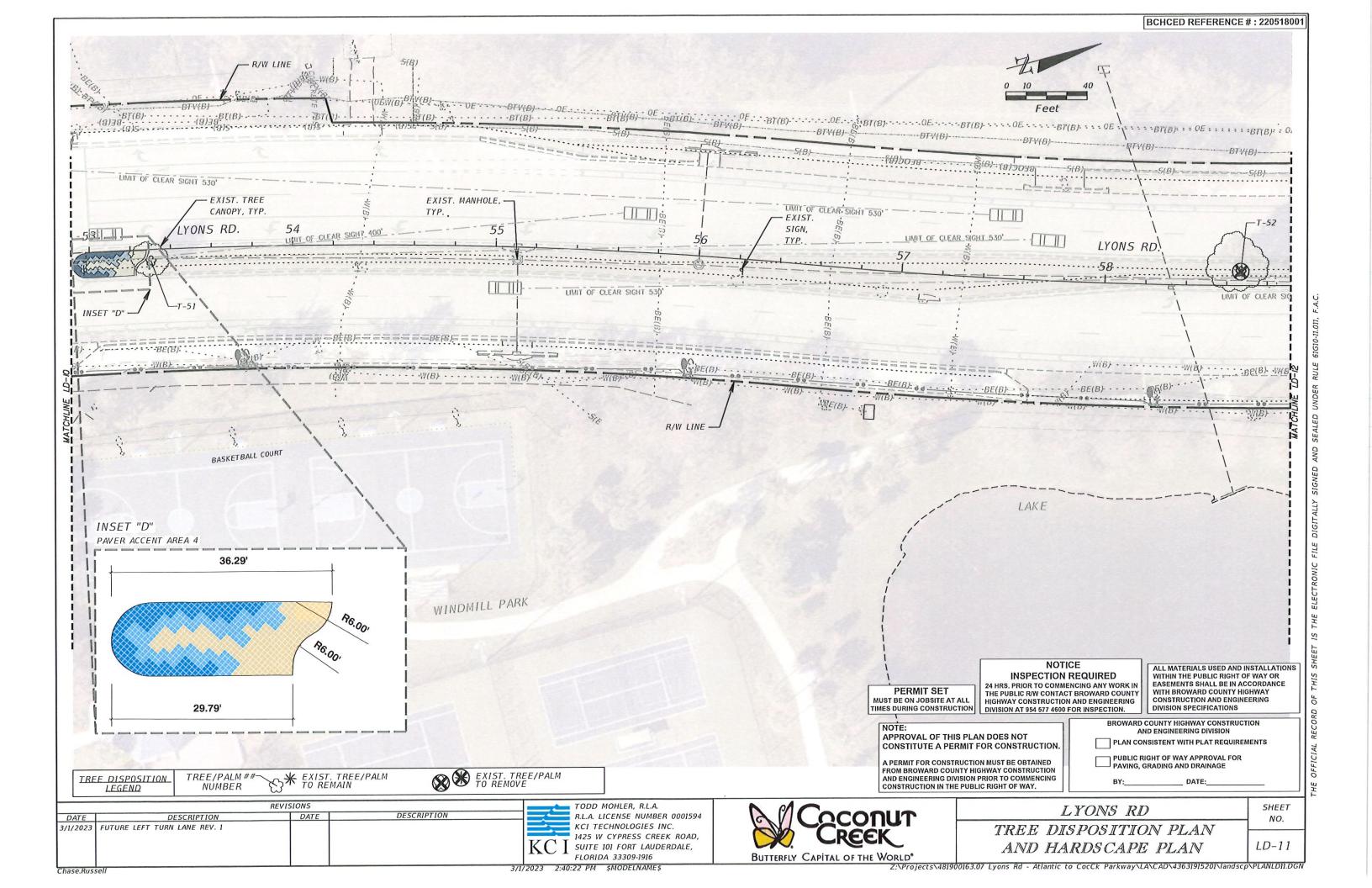
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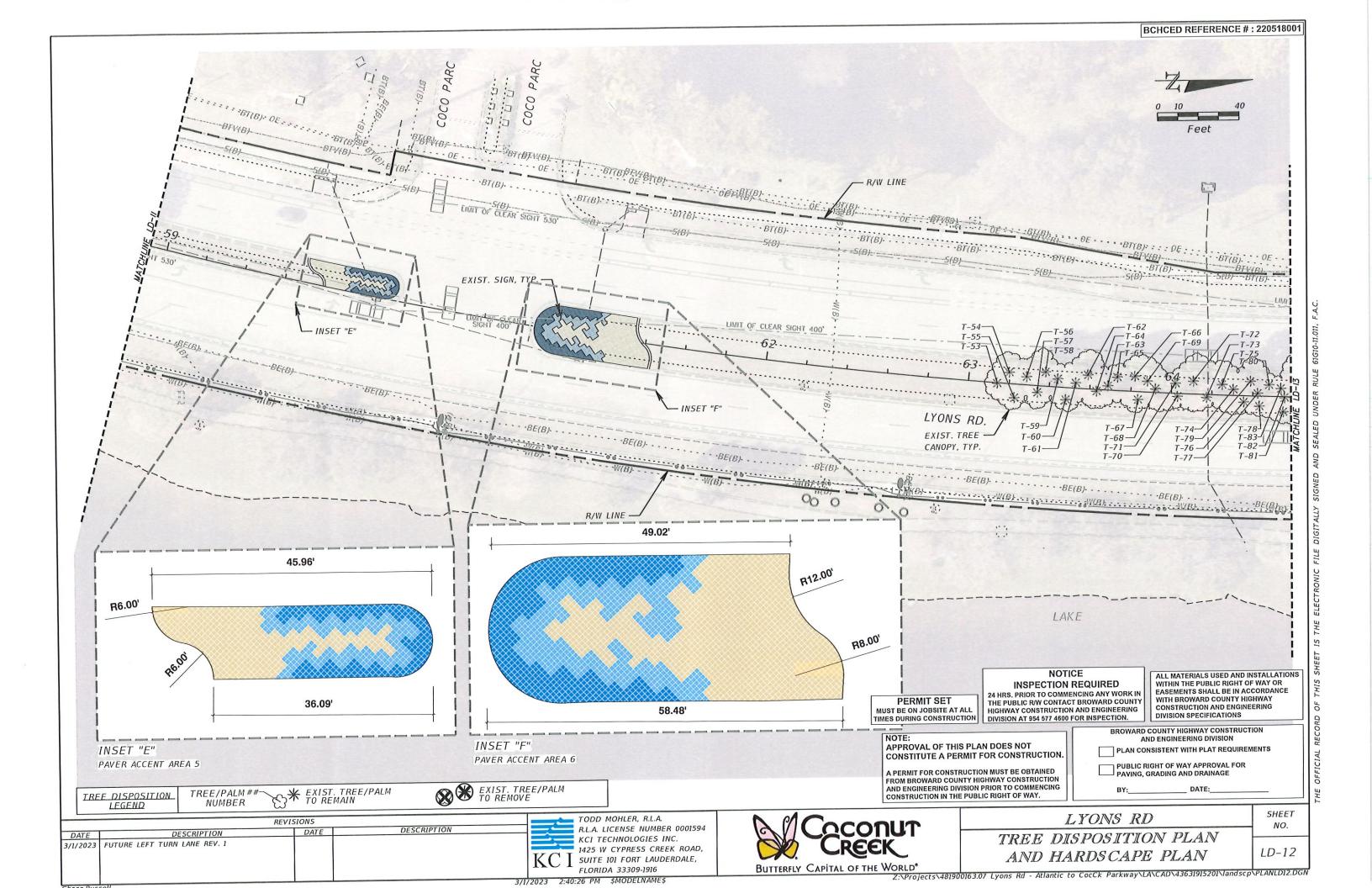


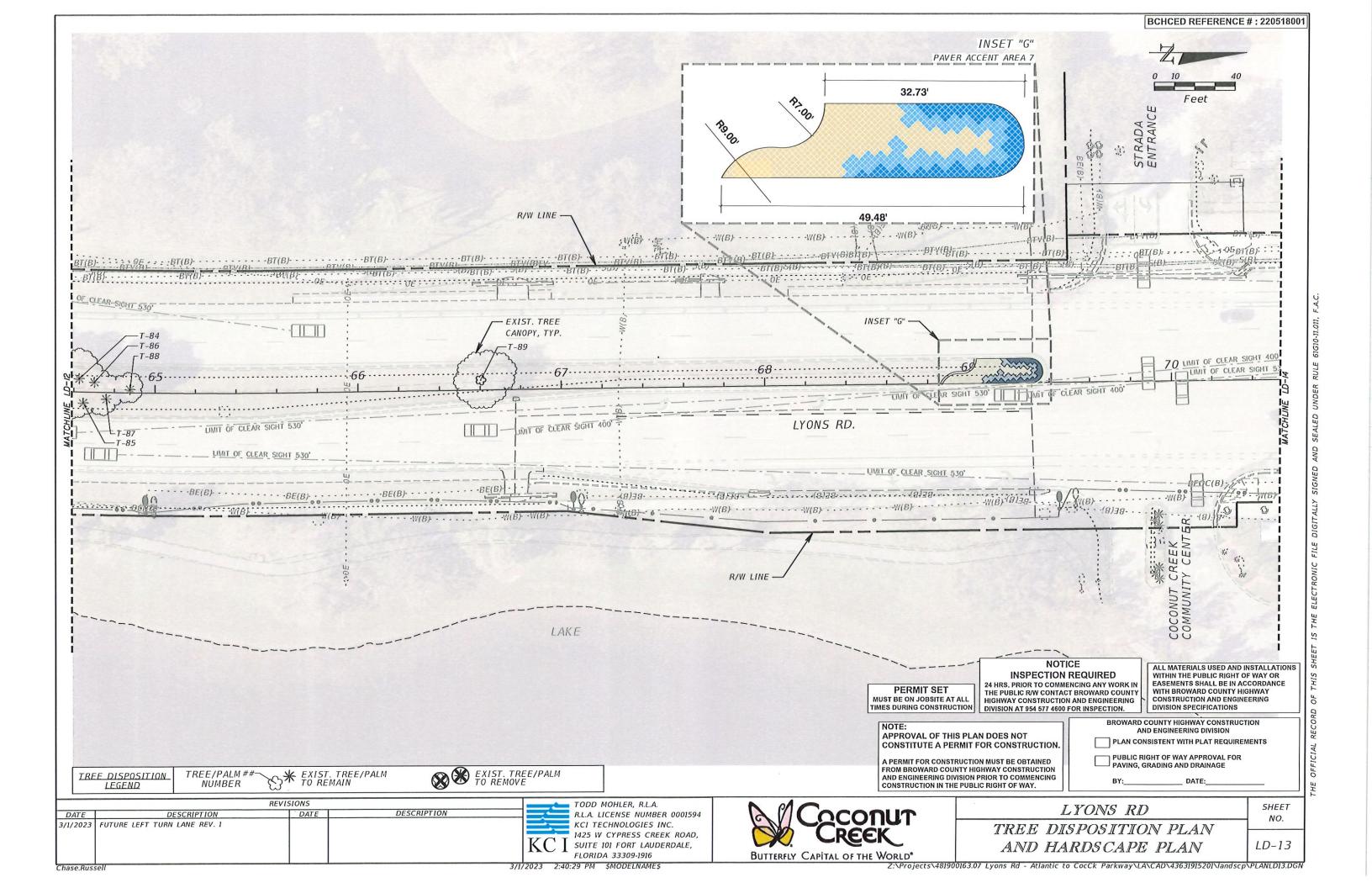


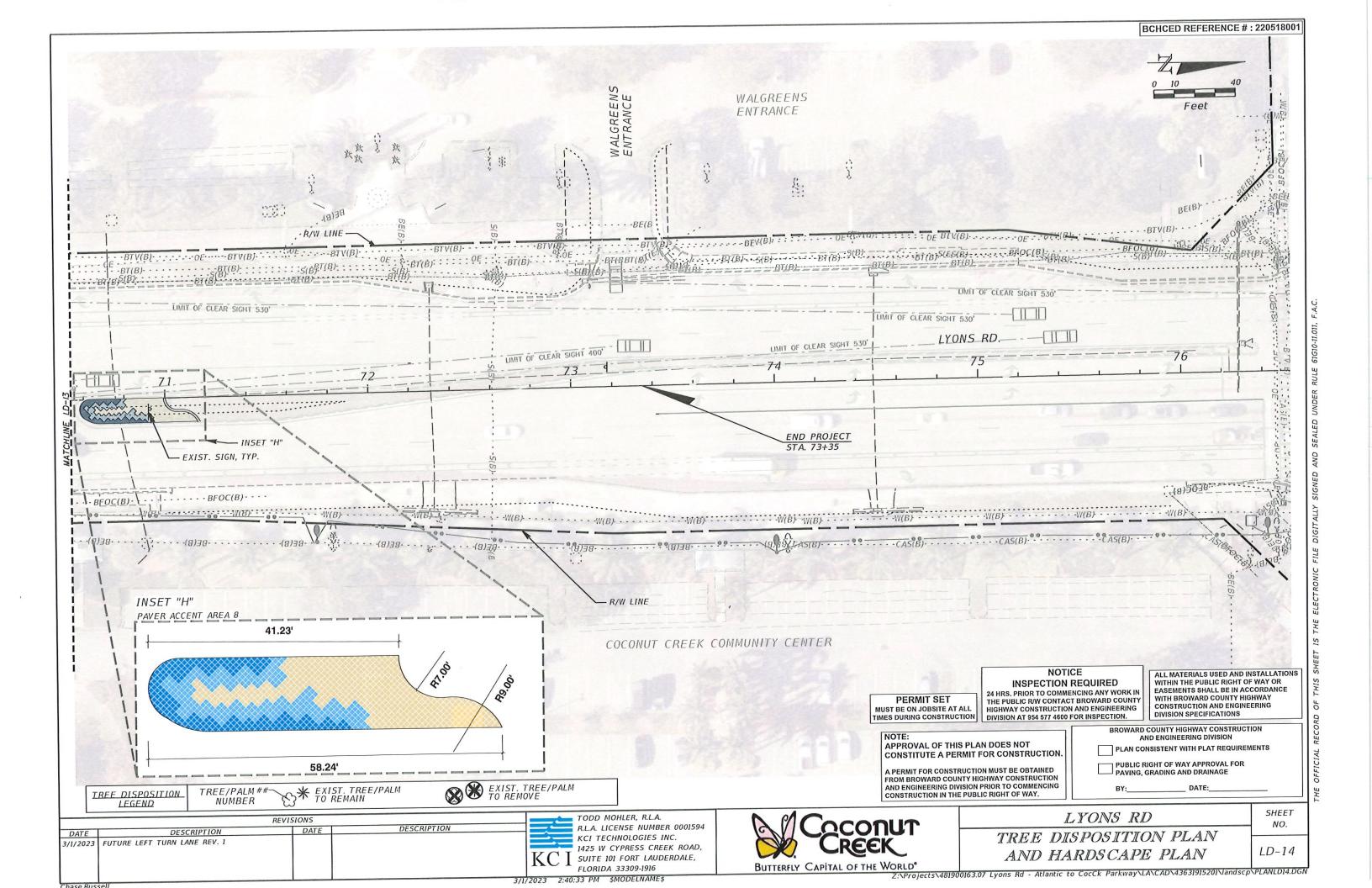












				TABULATION OF QU.	ANTITIES AND PLANT SCHEDULE					
KEY	QTY	UNIT	DESCRIPTION	COMMON NAME	MINIMUM INSTALLED SIZE SPECIFICATIONS	OC SPACING (IN)	NATIVE	TOTAL NATIVES	*REPLACEMENT CANOPY SF PER TREE	*REPLACEMENT CANOPY SF TOTAL
TREES										
BA	3	EA	BULNESIA ARBORIA	BULNESIA	3 IN CAL, 14 FT HT, STD	SHOWN			200	600
BN	3	EA	BISMARCKIA NOBILIS 'SILVER'	BISMARCK PALM	6 FT CT, 18 FT HT, MATCHED, STRAIGHT, FF	SHOWN			50	150
BS	3	EA	BURSERA SIMARUBA	GUMBO LIMBO	8 IN CAL X 18 FT OA X 10 FT SPR	SHOWN	YES	3	400	1200
CE	10	EA	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	2.5 IN CAL X 9-10 FT HT, 4 FT SPR, STD	SHOWN	YES	10	150	1500
JI	2	EA	JATROPHA INTEGERRIMA	SPICY JATROPHA	1.5 IN CAL X 6 FT HT X 4 FT SPR, MULTI	SHOWN				
KF	6	EA	KRUGIODENDRON FERREUM	BLACK IRONWOOD	2 IN CAL X 10 FT HT X 4 FT SPR	SHOWN			100	600
LS	5	EA	LAGERSTROEMIA SPECIOSA	QUEEN'S CRAPE MYRTLE	2 IN CAL X 10 FT HT X 5 FT SPR	SHOWN			150	750
MF	12	EA	MYRCIANTHES FRAGRANS	SIMPSON'S STOPPER	1.5 IN CAL X 8 FT HT X 5 FT SPR, STD	SHOWN	YES	12	100	1200
QV	10	EA	QUERCUS VIRGINIANA	LIVE OAK	3.5 IN CAL X 16 FT HT X 6 FT SPR, 5 FT CT	SHOWN	YES	10	400	4000
SP	49	EA	SABAL PALMETTO	SABAL PALM	10-20 FT HT, STRAIGHT, REMOVE LOOSE BOOTS, DO NOT SLICK	SHOWN	YES	49	100	4900
TOTAL	10	2				TOTAL		84		TOTAL
TOTAL	10	3				TOTAL		, ,		14900
					REQUIREMENT M	ATAL MATINE VE	CETATION	50%		
					TOTAL NATIVE PALMS (49)			94%		
CHRIDE					TOTAL NATIVE TREES (35,	) / TOTAL TREE:	5 (51) = ]	69%		
SHRUBS CC	1	EA	CAPPARIS CYNOPHALLOPHORA	JAMAICA CAPER	10 G X 4 FT HT X 2 FT SPR	SHOWN	YES	4		
	9		CHRYSOBALANUS ICACO 'HORIZONTALIS'	HORIZONTAL COCOPLUM	3 G 18 IN HT X 9 IN SPR	SHOWN	YES	9		
CH	-		CHRYSOBALANUS ICACO 'HORIZONTALIS'	RED TIP COCOPLUM	7 G 24 IN HT X 18 IN SPR	SHOWN	YES	15		
CR	15 43		GALPHIMIA GRACILIS	THRYALLIS	7 G 24 IN HT X 24 IN SPR	SHOWN	123	-15		(
GG HP	24	EA	HAMELIA PATENS 'GLABRA'	DWARF FIREBUSH	7 G 24 IN HT X 24 IN SPR	SHOWN				(
EL HP	154	EA	ERNODEA LITTORALIS	GOLDEN CREEPER	3 G 12 IN HT X 12 IN SPR	20 IN OC	YES	154		(
ZP	598		ZAMIA PUMILA	COONTIE CYCAD	3 G 14 IN HT X 14 IN SPR	24 IN OC	YES	598		(
Zr	350	LA	ZAMIA TOMILA	COUNTE CTONE						
TOTAL	84	7				TOTAL	7	80		i
					REQUIREMENT M	IIN NATIVE VEC	SETATION	50%		
					TOTAL NATIVE SHRUBS (780) /			92%		[
GROUNDCOVERS	1295									
55	45637	SF	STENOTAPHRUM SECUNDATUM 'PALMETTO'	'PALMETTO' ST. AUGUSTINE GRASS		SOLID SOD				
MISCELLANEOUS MULCH	106	CY	RED MULCH		3 IN LAYER FOR ALL TREES, SHRUBS, AND MULCH BEDS	7				
SOIL	13		TYPE 'A' SOIL AMENDMENT	PLANTING BACKFILL	25%:75% MIX OF 100% DECOMPOSED COMPOST AND EXISTING BACKFILL					
ROOT BARRIER	780	LF	DEEP ROOT UB-18-2							
PAVERS										
SOUTH BEACH	1406	SF	50/50 MIX WITH PEACH	8 IN X 8 IN X 2-3/8 IN	45 DEGREE PATTERN					
PEACH	1406	SF	50/50 MIX WITH SOUTH BEACH	8 IN X 8 IN X 2-3/8 IN	45 DEGREE PATTERN					
LIGHT BLUE	1298	SF		8 IN X 8 IN X 2-3/8 IN	45 DEGREE PATTERN					
CONTINENTAL BLUE	1213	SF		8 IN X 8 IN X 2-3/8 IN	45 DEGREE PATTERN					

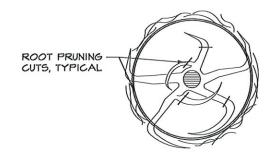
ABBREVIATIONS: 0A= OVERALL, 0C= ON CENTER, G= GALLON, IN= INCH, FT= FOOT, HT= HEIGHT, SPR= SPREAD, CAL= CALIPER, CT= CLEAR TRUNK, STD= STANDARD, FG= FIELD GROWN, FF= FLORIDA FANCY, GW= GRAY WOOD, RPG= ROOTS PLUS GROWER, FF=FLORIDA FANCY, MULTI=MULTIPLE TRUNKS

\*BROWARD COUNTY

		REVISIONS		TODD MOHLER, R.L.A.
DATE	DESCRIPTION	DATE	DESCRIPTION	R.L.A. LICENSE NUMBER 000159
3/1/2023	FUTURE LEFT TURN LANE REV. 1			KCI TECHNOLOGIES INC.
		1 1		1425 W CYPRESS CREEK ROAD
		1 1		SUITE 101 FORT LAUDERDALE,
				FLORIDA 33309-1916
Chase.Rus	sell			3/1/2023 2:40:34 PM Default

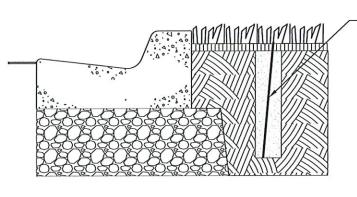


LD-15



NOTE:
CUT CROSSING,
DEFLECTING AND
CIRCLING ROOTS BEFORE
INSTALLATION. THIS MAY
REQUIRE CUTTING ALL OF
THE ROOTS AT THE
ROOTBALL PERIMETER
AND CUTTING INDIVIDUAL
ROOTS.

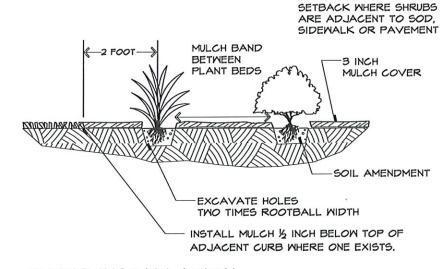
# ROOT PRUNING REQUIREMENT



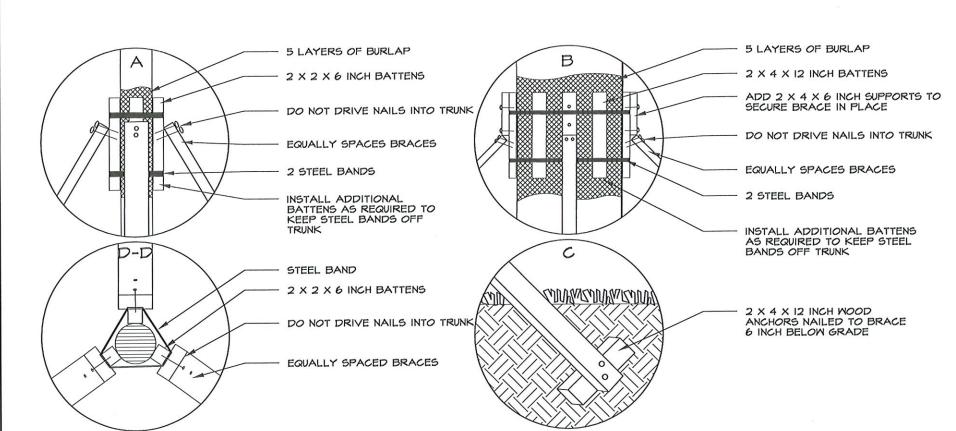
- I, INSTALL ROOT BARRIER APPROX, I2 INCH FROM BACK OF CURB.
- 2. LOCATE TOP OF BARRIER APPROX. I/2 INCH ABOVE FINISH GRADE (PRIOR TO LAYING SOD).
- 3. FOLLOW MFR. RECOMMENDATIONS.
- 4. COORDINATE BARRIER WITH IRRIGATION.

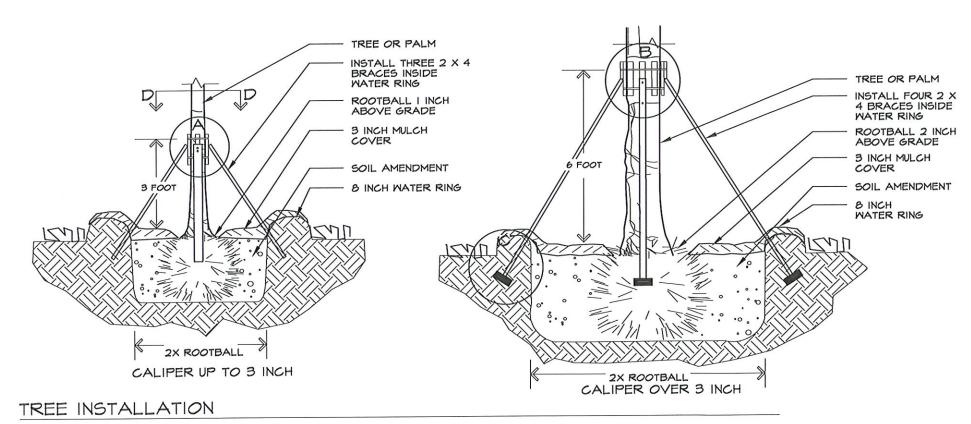
TYPICAL SHRUB PLANTING

# ROOT BARRIER



SHRUB INSTALLATION





DATE DESCRIPTION DATE DESCRIPTION

KC

TODD MOHLER, R.L.A.

R.L.A. LICENSE NUMBER 0001594

KCI TECHNOLOGIES INC.

1425 W CYPRESS CREEK ROAD,

SUITE 101 FORT LAUDERDALE,
FLORIDA 33309-1916



LYONS RD

LANDSCAPE DETAILS

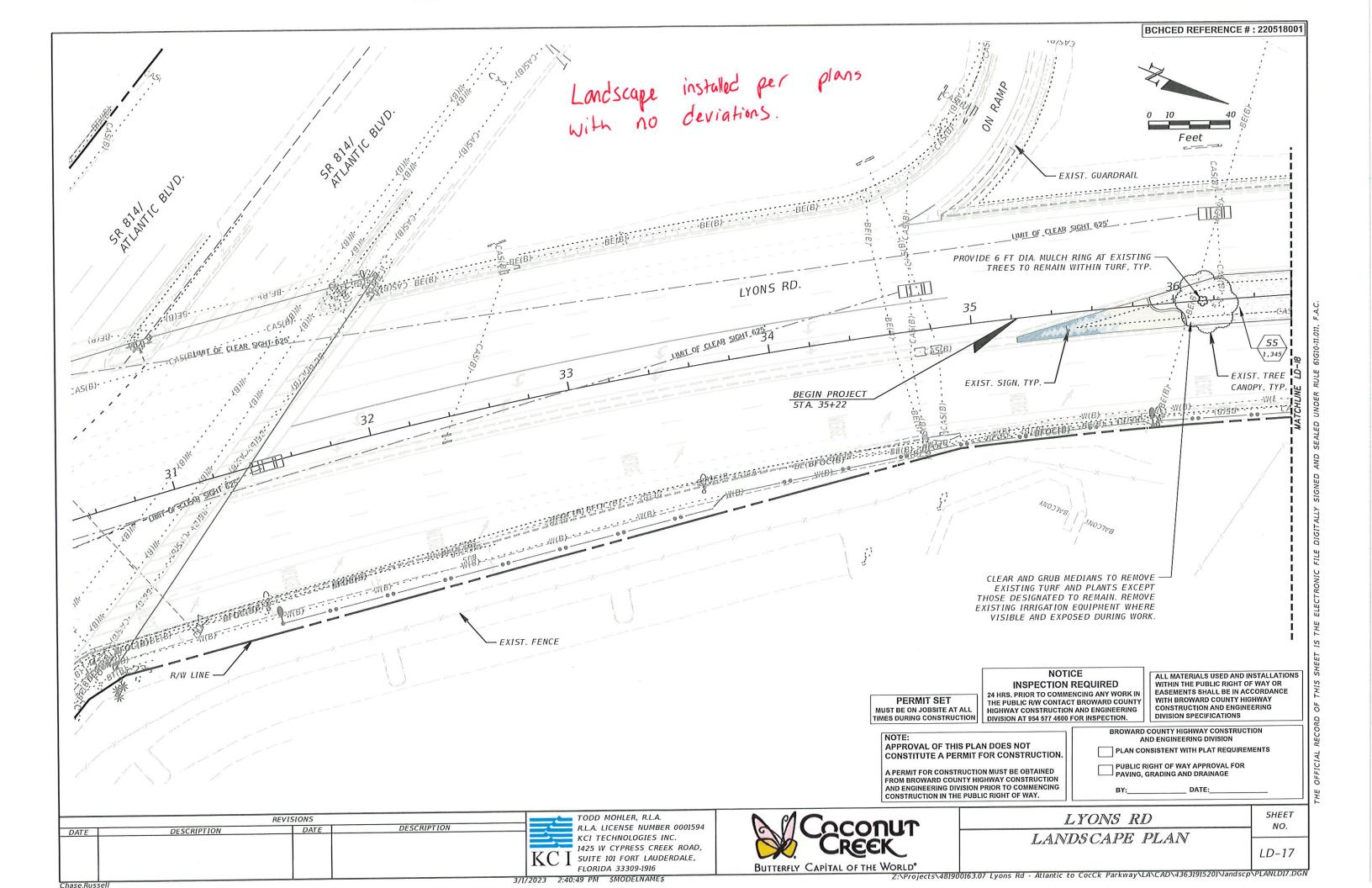
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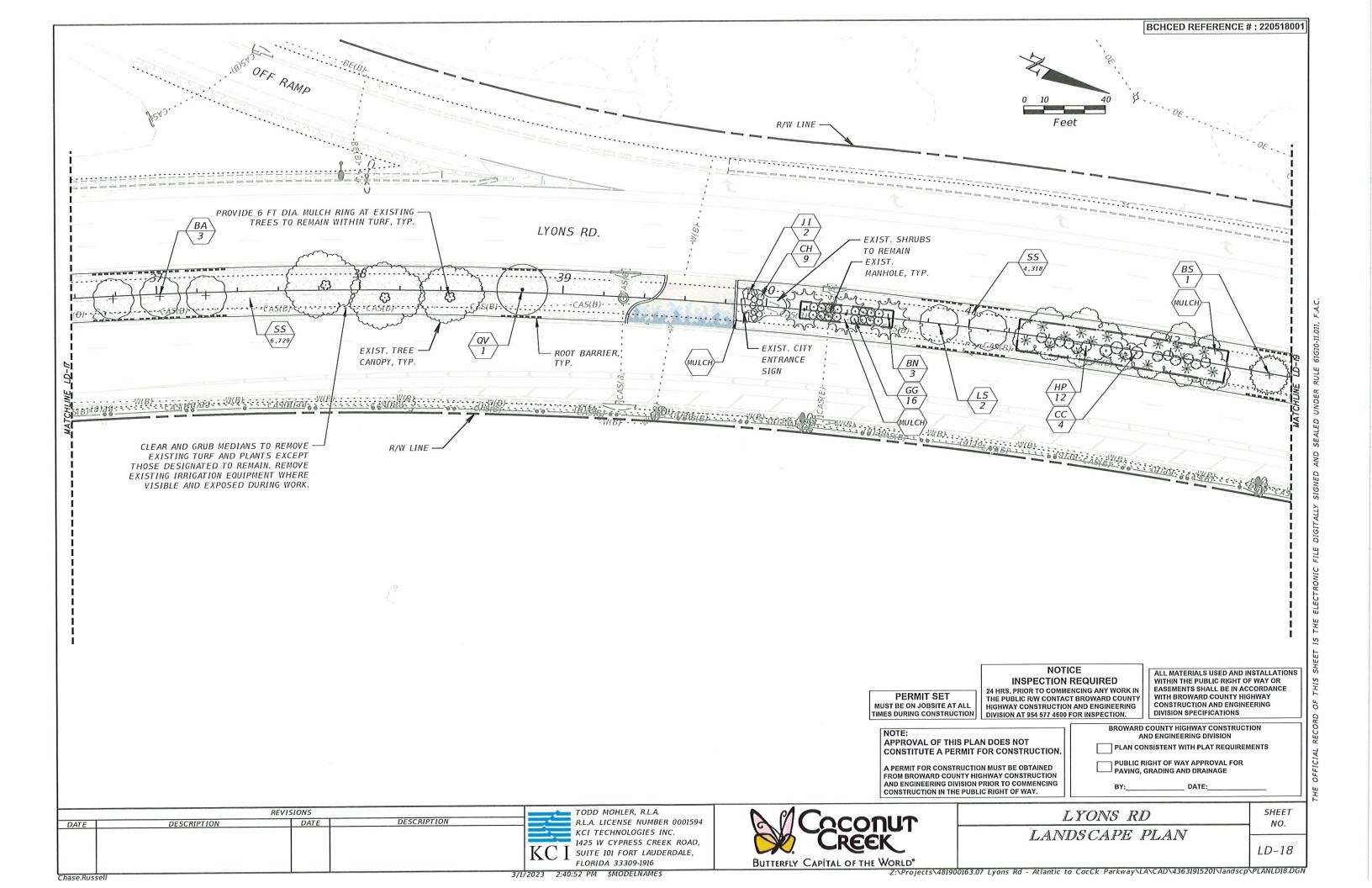
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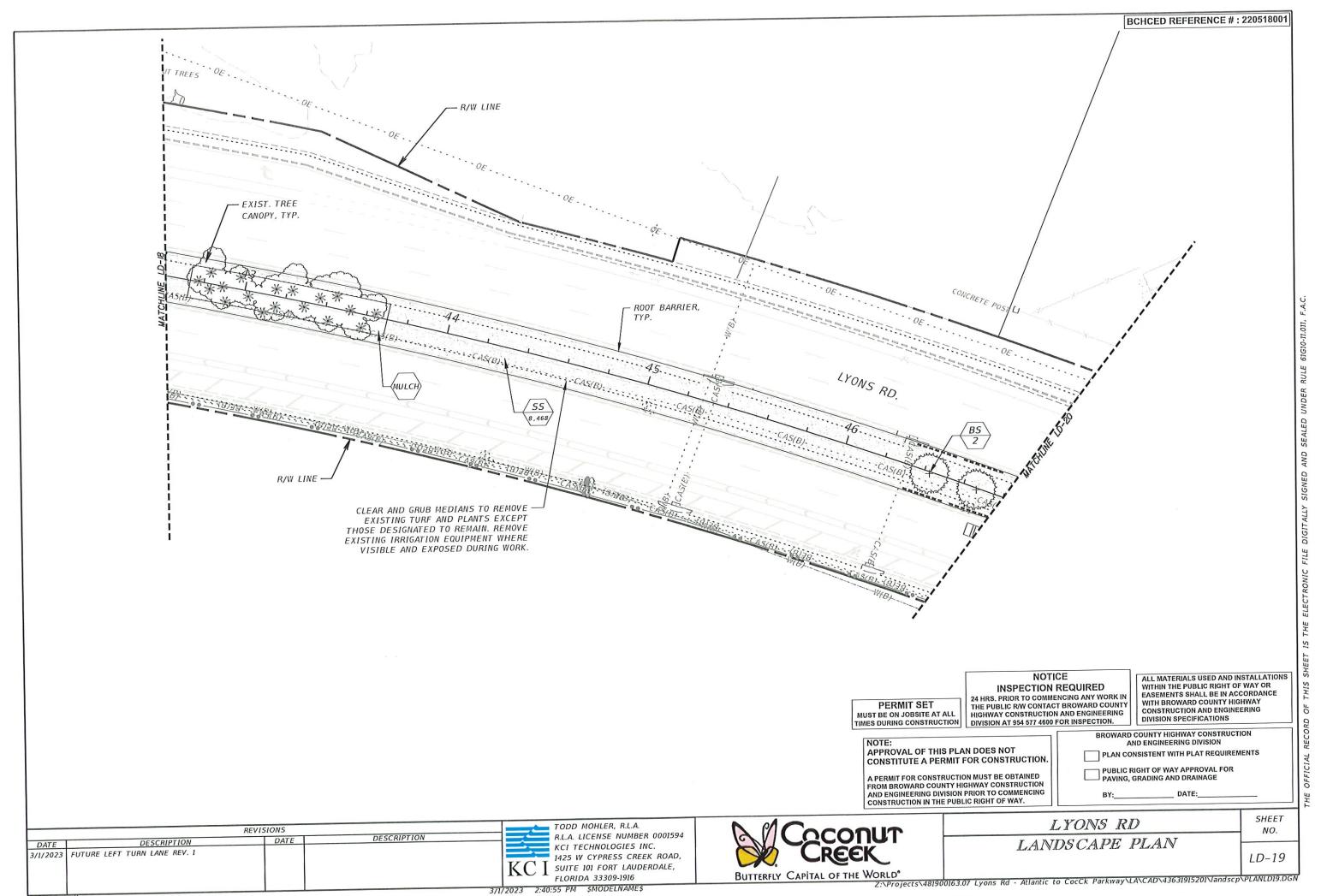
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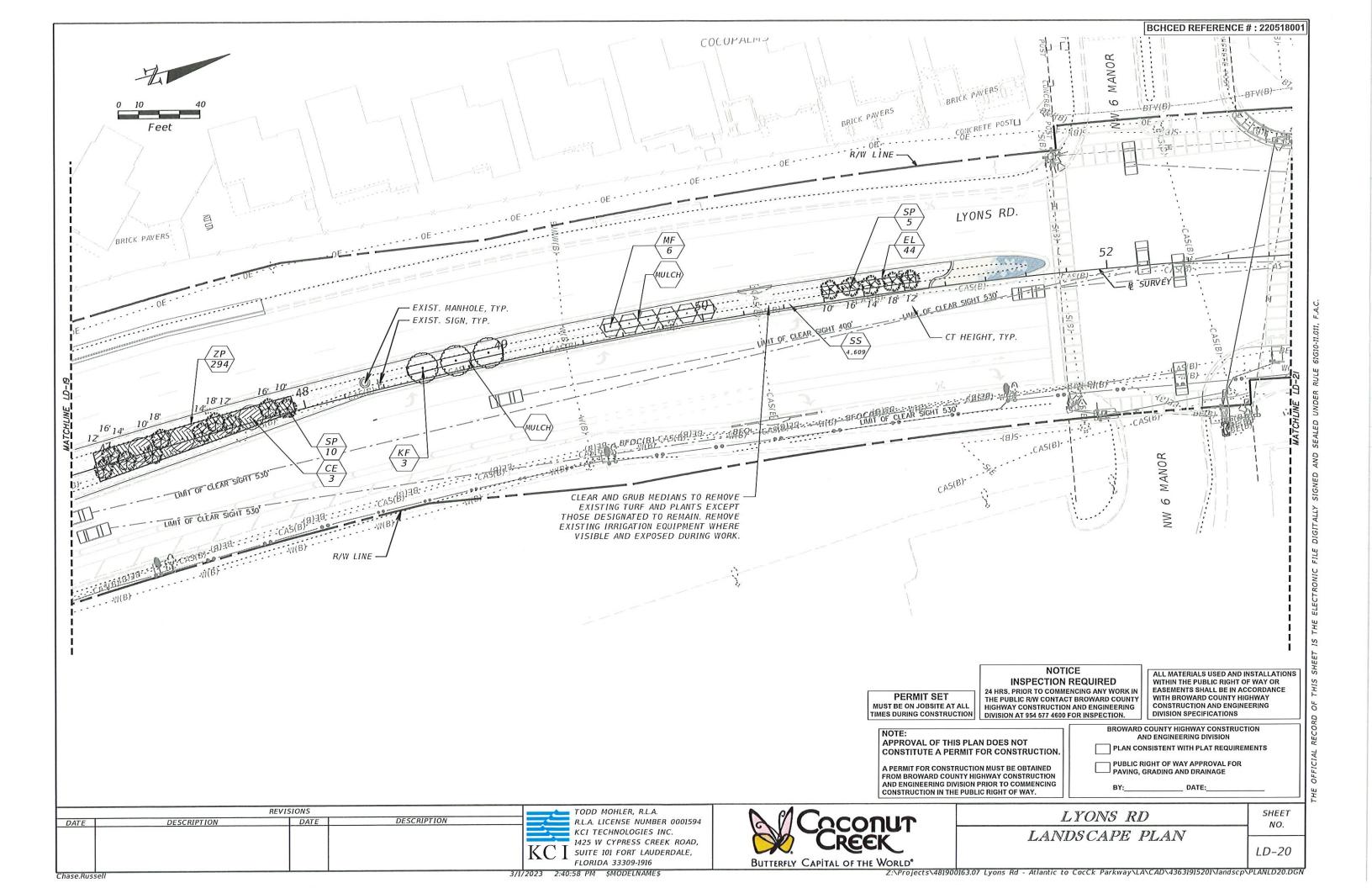
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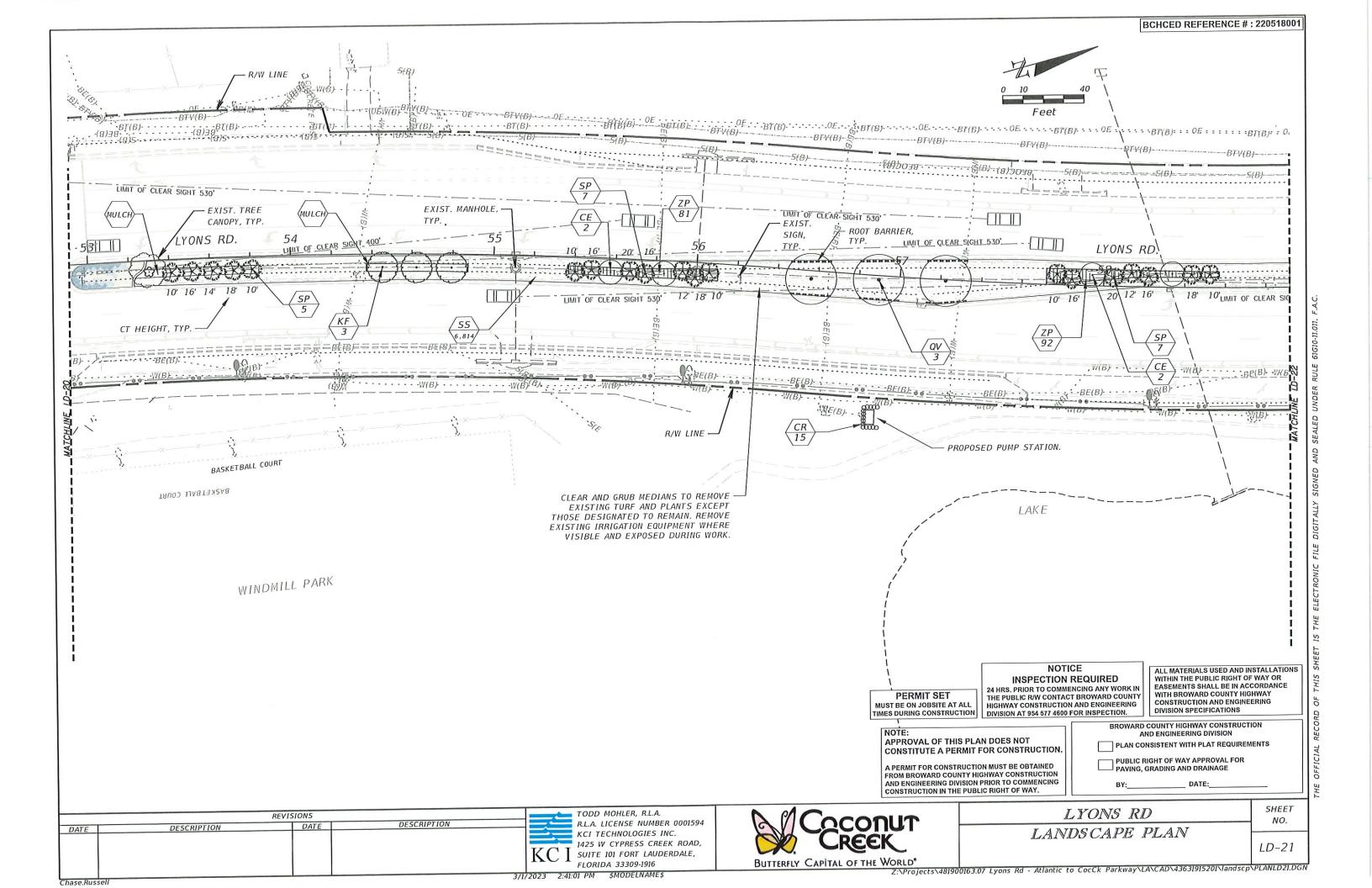


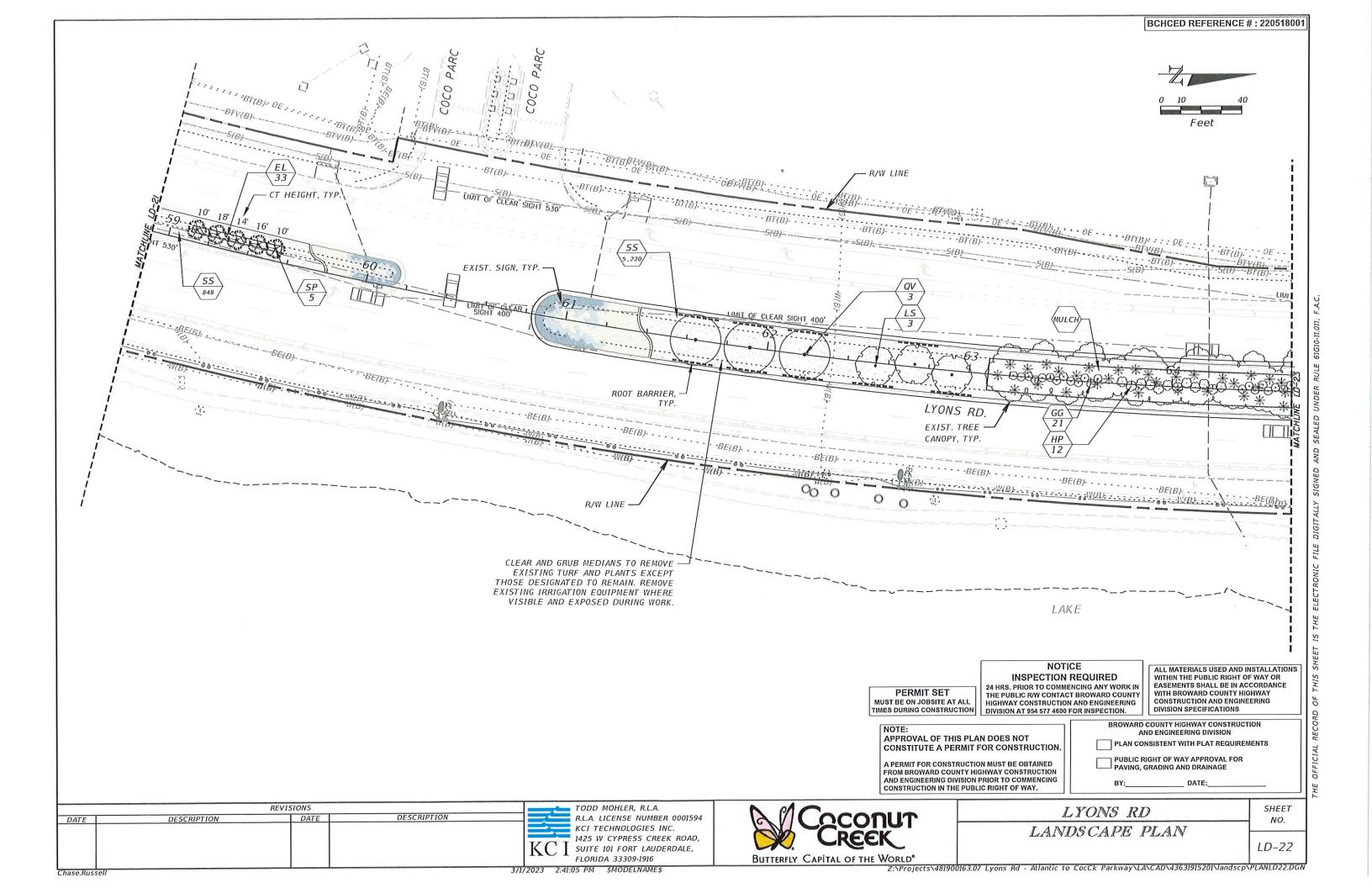


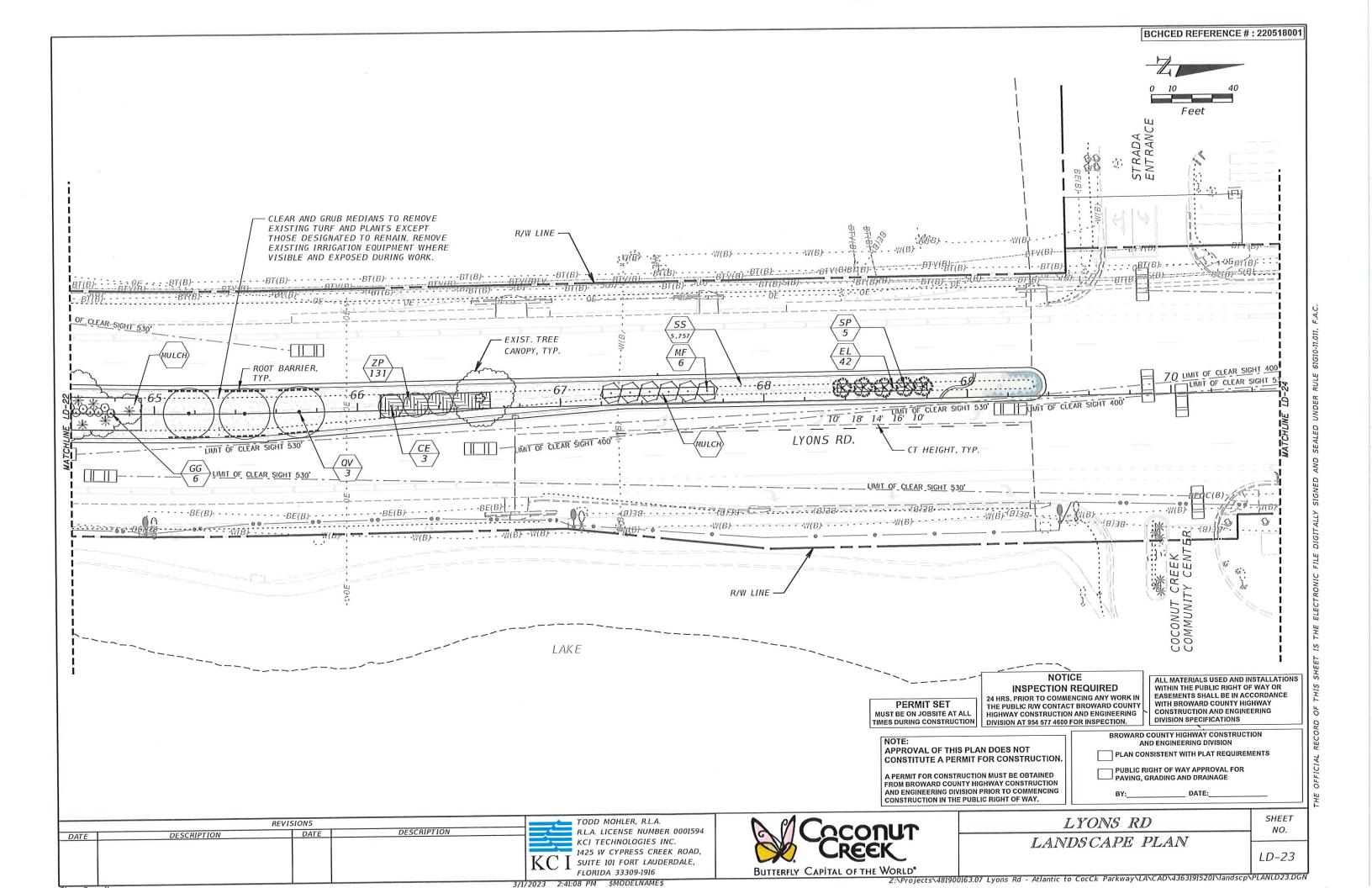


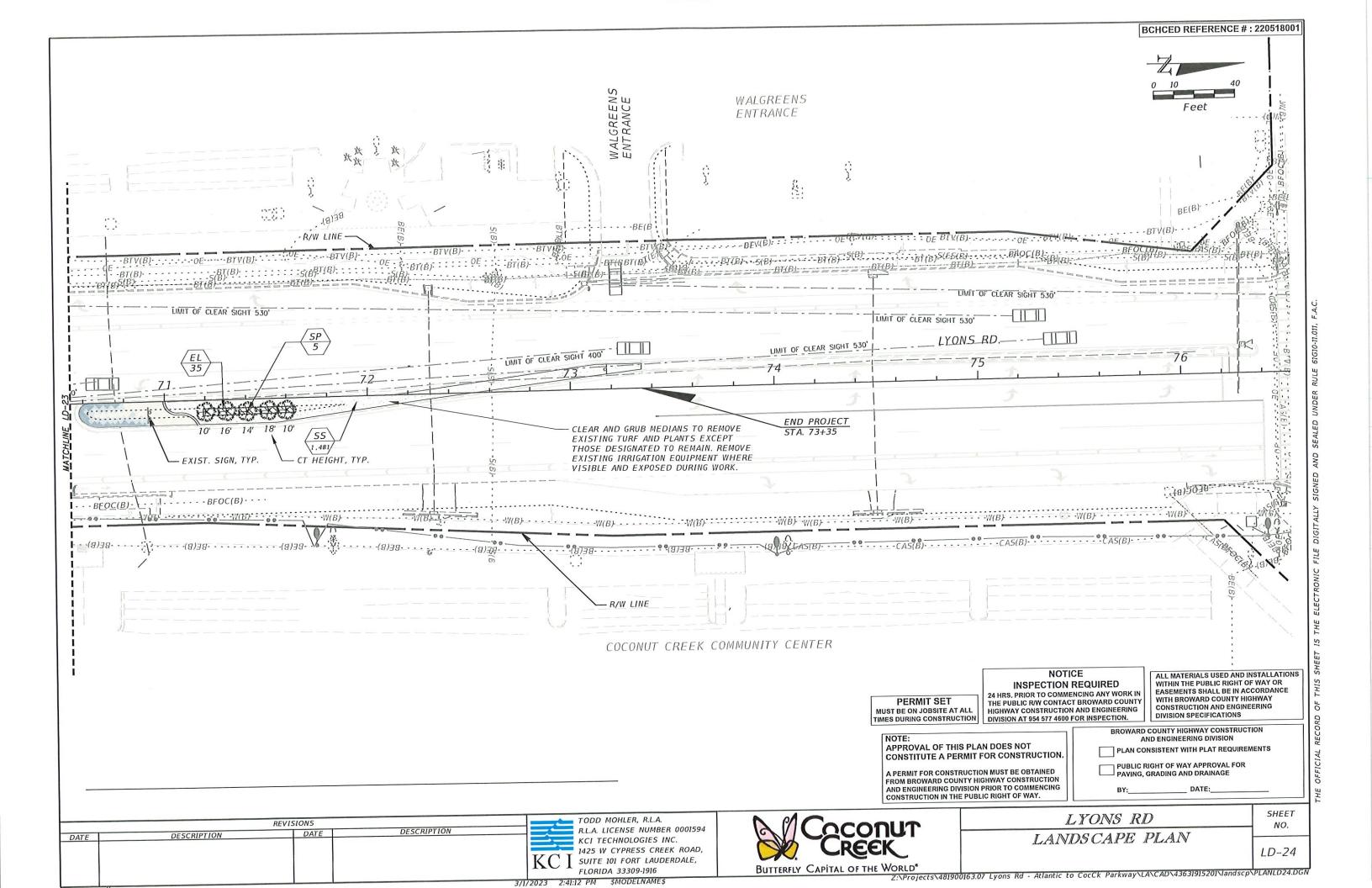
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1) DESCRIPTION: THIS IS A NEW IRRIGATION SYSTEM SUPPLIED LAKE WATER FROM A NEW PUMP STATION. THE EXISTING PUMP STATION IS TO BE REMOVED.

2) IRRIGATION EQUIPMENT IS SHOWN FOR GRAPHIC CLARITY. INSTALL ALL EQUIPMENT IN PERVIOUS AREAS EXCEPT WHERE INDICATED BY SLEEVING.

3) SUBMITTALS: NOT LESS THAN 14 DAYS BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:

- SCHEDULE OF VALUES FOR EACH ITEM OF WORK.
- IRRIGATION CONTRACTOR CERTIFICATION BY THE IRRIGATION
- SHOP DRAWINGS/ MANUFACTURERS PRODUCT SHEETS FOR EACH ITEM.

4) INSTALLATION: AN IA CERTIFIED IRRIGATION CONTRACTOR SHALL BE ON SITE TO DIRECT IRRIGATION OPERATIONS.

5) LAYOUT APPROVAL: MARK EQUIPMENT LOCATIONS BEFORE INSTALLATION. NOTIFY THE CITY WHEN COMPLETE. ADJUST FINAL LOCATIONS WHEN DIRECTED.

6) COORDINATE PHONE SERVICE CONNECTION WITH THE PHONE SERVICE PROVIDER. AT&T: DINO FARRUGGIO 561-997-0240 DF1979@ATT.COM

COORDINATE ELECTRICAL SERVICE CONNECTION WITH THE ELECTRICAL PROVIDER. FPL DISTRIBUTION: CHARLIE LEIKAUF 954-956-2032 CHARLIE.LEIKAUF@FPL.COM

PERFORM ELECTRICAL SERVICE BY A LICENSED ELECTRICIAN. PROVIDE PRODUCTS/INFORMATION/DRAWINGS AS REQUIRED FOR PERMIT AND TO MEET ELECTRICAL REQUIREMENTS OF PUMP STATION.

7) AS-BUILT PLANS: PREPARE AS-BUILT PLANS AS THE WORK PROGRESSES, INDICATING THE ACTUAL LOCATION OF EQUIPMENT. KEEP THE AS-BUILT PLAN SET ON SITE DURING CONSTRUCTION. SUBMIT FINAL AS-BUILT TO THE LANDSCAPE

## 8) TRENCHING AND PIPE INSTALLATION:

- TUNNEL UNDER EXISTING TREE ROOTS OVER 1 INCH DIAMETER.
- PERFORM DIRECTIONAL BORING WHEN REQUIRED.
- REQUEST APPROVAL OF THE MAINLINE INSTALLATION BEFORE BACKFILLING.
- BACKFILL TRENCHES AND COMPACT TO FINISHED GRADE WITH EXISTING SOILS FREE OF ROCKS OR OBJECTS THAT COULD DAMAGE THE PIPE.
- MAKE PVC SOLVENT WELD CONNECTIONS IN ACCORDANCE WITH ASTM
- APPLY PURPLE COLORED PVC PRIMER IN ACCORDANCE WITH ASTM F656. APPLY PVC CEMENT IN ACCORDANCE WITH ASTM D2564.

# 9) MAINLINE LEAK TEST

- A. NOTIFICATION IS REQUIRED BEFORE TESTING.
- PERFORM MAINLINE LEAK TEST AT 100 PSI FOR 2 HOURS.
- PROVIDE AND OPERATE TEST EQUIPMENT.
- BEFORE TESTING, THE MAINLINE MUST BE COMPLETE. NO CUTTING OR MODIFICATIONS ALLOWED AFTER SUCCESSFUL COMPLETION OF THE LEAK
- BEFORE TESTING, ISOLATE THE MAINLINE, FILL WITH WATER, AND PRESSURIZE TO THE TEST PRESSURE FOR 24 HOURS TO REMOVE AIR FROM THE MAINLINE AND CORRECT LEAKS.
- ALLOWABLE MAKEUP WATER DURING TEST FOR GASKETED MAINLINE IS: GAL=  $^{SD\sqrt{P}}/_{133,200}$  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 INCH GAUGE.
- G. NO LEAKAGE ALLOWED IN SOLVENT WELD MAINLINES.

# 10) IRRIGATION HEAD PRESSURE TEST:

- A. NOTIFICATION IS REQUIRED BEFORE TESTING.
- 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.
- 11) ADJUST HEAD HEIGHT, ARC, AND RADIUS SETTINGS TO PREVENT OVERSPRAY.

12) VALVE SEQUENCING: RUN VALVES DESIGNATED WITH LETTERS SIMULTANEOUSLY PER NUMBER. (EX: 1A AND 1B RUN SIMULTANEOUSLY.) ACHIEVE THIS SEQUENCING THROUGH MAXICOM CONTROL SYSTEM. COORDINATE WITH CITY.

13) SYSTEM OPERATION: PROVIDE SYSTEM LAYOUT AND OPERATION WALKTHROUGH TRAINING FOR MAINTENANCE PERSONNEL.

**REVISIONS** 

DATE

DESCRIPTION

14) CITY OF COCONUT CREEK CONTACT: JOHN TETTERIS 954-545-6612

DESCRIPTION

IRR	IGATION SYMBOL KEY			
SYMBOL	DESCRIPTION			
(3) (3) (3) (3) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	6 INCH POP UP SPRAY HEAD, PRESSURE REGULATED, MATCHED PRECIPITATION RATE NOZZLES AS INDICATED.			
ED E	12 INCH POP UP SPRAY HEAD ON RISER ASSEMBLY, PRESSURE REGULATED, MATCHED PRECIPITATION RATE NOZZLES AS INDICATED.			
O 0.50	BUBBLER ASSEMBLY (WITH GPM FLOW RATE INDICATED)			
△ 1.0	INSTALL (2) 0.25 GPM BUBBLERS FOR 0.50 GPM FLOW RATE INSTALL (2) 0.50 GPM BUBBLERS FOR 1.0 GPM FLOW RATE			
•	REMOTE CONTROL VALVE			
(A)	AIR VACUUM RELEASE VALVE			
X	MAINLINE ISOLATION VALVE			
P I <u>T</u> I	PUMP STATION / CONTROLLER			
	IRRIGATION LATERAL LINE			
	IRRIGATION MAINLINE			
	DIRECTIONAL BORE			
	SLEEVE			
# • -	VALVE CALLOUT  VALVE NUMBER  VALVE FLOW			
<u>"•</u> ""	VALVE SIZE			

ITEM	SPECIFICATION	UNIT	QUANTI
ELECTRIC SUPPLY	REMOVE EXISTING ELECTRICAL EQUIPMENT AND PROVIDE NEW ELECTRICAL EQUIPMENT BETWEEN EXISTING ELECTRIC METER AND PROPOSED PUMP STATION.	LS	1
PHONE LINE	CAT5 PHONE LINE FOR RAIN BIRD MAXICOM FROM EXISTING PUMP STATION TO NEW PUMP STATION/CONTROLLER	LF	120
CONDUIT FOR PHONE LINE	1.5 INCH PVC SCHEDULE 40, GREY - EXISTING WINDMILL PUMP STATION TO NEW PUMP STATION	LF	120
PUMP	HOOVER PUMP STATION MODEL HCF-7.5PDV-230/1-E-40,D,L,M,R3,S,Z	EA	1
ZONE CONTROL VALVE ASSEMBLY	RAINBIRD PESB (SIZE PER PLANS) WITH LEEMCO LV220 RIGHT ANGLE VALVE	EA	22
MAINLINE ISOLATION VALVE	LEEMCO LMV-33BB	EA	3
AIR/VACUUM RELIEF VALVE	BERMAD C11 COMBINATION AIR VALVE (2 INCH) IR-2IN-C11-SP-P-D-NM-T	EA	2
VALVE BOX	OLD CASTLE TIER 8 RATED FIBRELYTE FL36 , 17 X 30 X 12 INCH DEEP	EA	27
PULL BOX	OLD CASTLE TIER 8 RATED FIBRELYTE FL12 , 12 X 19 X 12 INCH DEEP	EA	5
VALVE BOX IDENTIFICATION	ALUMINUM NUMBERS / LETTERS	EA	45
PVC TOE NIPPLES	PVC SCHEDULE 80	EA	70
#57 ROCK	BELOW VALVE BOXES PER DETAIL	CF	101
FILTER FABRIC	BELOW VALVE BOXES PER DETAIL	SF	216
MAINLINE	PVC CLASS 200 GASKETED - 3 INCH	LF	3,042
MAINLINE FITTINGS	LEEMCO DUCTILE IRON WITH INTEGRAL JOINT RESTRAINTS AT DIRECTION CHANGES	EA	25
HDPE TO PVC TRANSITION FITTING	3 INCH POLYCAM SERIES 730 FOR HDPE/PVC IPS SCH 40	EA	8
MAINLINE LOCATION TAPE	2 INCH DETECTABLE WARNING TAPE	LF	3,042
CONTROL WIRE CONDUIT	2 INCH PVC SCHEDULE 40, GREY	LF	3,042
CONTROL WIRE	14 AWG, COPPER, TYPE UF-83 THHN/THWN INSTALL RED COLOR FOR HOT WIRES INSTALL BLUE COLOR FOR SPARE WIRES	LF	35,316
	INSTALL WHITE COLOR FOR COMMON WIRE		
MRE CONNECTORS	3M-DBR/Y-6 KITS	EA	88
ATERAL LINE / FITTINGS	3/4 INCH MINIMUM TO 3 INCH PVC SCH. 40 W PVC SCH. 40 SOLVENT WELD FITTINGS	LF	10,265
DIRECTIONAL BORE	2 & 3 INCH HDPE IPS DR11 4710	LF	708
SLEEVES	2 & 6 INCH PVC SCHEDULE 40	LF	120
SPRAY HEADS	RAINBIRD 1806-PRS WITH MPR NOZZLES RAINBIRD 1812-PRS WITH MPR NOZZLES ON RISERS	EA EA	580 29
BUBBLERS	RAINBIRD 1401 SERIES 0.25 GPM PRESSURE COMPENSATING RAINBIRD 1402 SERIES 0.50 GPM PRESSURE COMPENSATING	EA EA	142 60

	TODD MOHLER, R.L.A.
	R.L.A. LICENSE NUMBER 0001594
	KCI TECHNOLOGIES INC.
KC I	1425 W CYPRESS CREEK ROAD,
	SUITE 101 FORT LAUDERDALE,
	FLORIDA 33309-1916
2 (1 (20 22 2 2 4)	16 DM CMODELNAMES



LYONS RD					
IRRIGATION NOTES					
AND SCHEDULE					

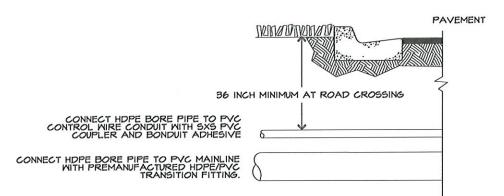
3/1/2023 FUTURE LEFT TURN LANE REV. 1

DATE

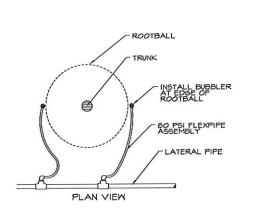
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Z:\Projects\481900163.07 Lyons Rd - Atlantic to CocCk Parkway\LA\CAD\43631915201\landscp\TABOLD25.dgr

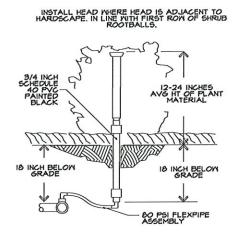
- 1 INSTALL HDPE DR-II UNDER ROADWAYS AND OTHER IMPERVIOUS AREAS
- 2) ROAD TRENCHING ONLY PERMITTED WITH WRITTEN APPROVAL ROAD TRENCHING REQUIRES BACKFILLING WITH FLOWABLE FILL



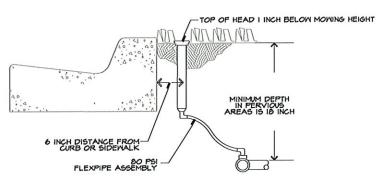
ROAD CROSSING



TREE BUBBLER



IRRIGATION HEAD IN PLANT BED



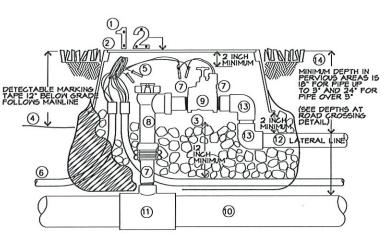
IRRIGATION HEAD IN TURF



(2) VALVE BOX

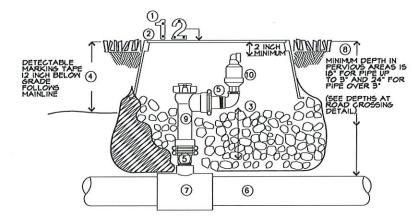
VALVE SUMP: 12 INCHES DEEP FILLED WITH 57 GRAVEL AND WRAPPED IN FILTER FABRIC

- (4) DETECTABLE MARKING TAPE
- 5 CONTROL WIRE AND WIRE
- 6 CONTROL WIRE CONDUIT
- SCHEDULE 80 PVC TOE NIPPLE INSTALL NO MALE ADAPTERS
- (8) RIGHT ANGLE GATE VALVE
- (9) ELECTRIC CONTROL VALVE



- (10) MAINLINE PIPE
- (11) MAINLINE FITTINGS
- 13 LATERAL LINE FITTINGS:
- (4) PIPE DEPTH REQUIREMENTS

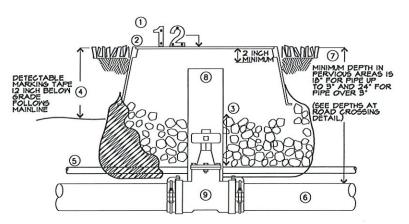
# REMOTE CONTROL VALVE



- (1) ALUMINUM VALVE IDENTIFICATION NUMBER, SCREWED IN PLACE
- 2 VALVE BOX
- 3 YALVE SUMP: 12 INCHES DEEP FILLED WITH 57 GRAVEL AND WRAPPED IN FILTER FABRIC
- (4) DETECTABLE MARKING TAPE:
- 5 SCHEDULE 80 PVC TOE NIPPLE INSTALL NO MALE ADAPTERS
- 6 MAINLINE PIPE
- (7) MAINLINE FITTINGS
- 8 PIPE DEPTH REQUIREMENTS
- (9) RIGHT ANGLE VALVE
- (10) AIR / VACUUM RELEASE VALVE

# AIR/VACUUM RELEASE VALVE

- (2) VALVE BOX
- VALVE SUMP: 12 INCH DEEP FILLED WITH 57 ROCK AND WRAPPED IN FILTER FABRIC
- 5 CONTROL WIRE
- (6) MAINLINE PIPE
- 7 PIPE DEPTH REQUIREMENTS
- (8) PVC ACCESS TUBE
- (9) ISOLATION VALVE



MAINLINE ISOLATION VALVE

REVISIONS DESCRIPTION DESCRIPTION DATE DATE

TODD MOHLER, R.L.A. R.L.A. LICENSE NUMBER 0001594 KCI TECHNOLOGIES INC. 1425 W CYPRESS CREEK ROAD, KC I SUITE 101 FORT LAUDERDALE, FLORIDA 33309-1916

BUTTERFLY CAPITAL OF THE WORLD\*

LYONS RD IRRIGATION DETAILS

SHEET LD-26

NOTE: SUCTION PIPE AND FITTINGS SHALL BE HDPE HEAT FUSED. CHECK VALVES 3" LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE. ALL EXPOSED SUCTION & DISCHARGE PIPE SHALL BE GALVANIZED STEEL.

SYSTEM MANAGEMENT: HOOVER FLOWGUARD COMMUNICATION VIA CELLULAR MODEM. USER DEFINED INTERNET BASED CONTROL PARAMETERS USING STANDARD WEB BROWSER WITH EVENT LOGGING AND EMAIL ALERTS FOR WARNINGS AND ALARMS AS FOLLOWS:

X MAXIMUM GALLON PER MINUTE USAGE WITH ADJUSTABLE TIME DELAY AND NUMBER

OF RESTART ATTEMPTS MINIMUM TOTAL DAILY WATER USAGE

X DAILY, MONTHLY AND ANNUAL WATER USAGE BUDGETS
X GRAPHING OF REAL TIME AND HISTORICAL FLOW AND PRESSURE AND SYSTEM EVENTS EVENTS WITH TIME AND DATE SHOWN

RAIN SENSOR STATUS
HISTORIC WATER USAGE BY DAY AND MONTH
LOSS OF PRIME
VFD FAULT
PUMP HIGH TEMPERATURE

PUMP RAPID CYCLE

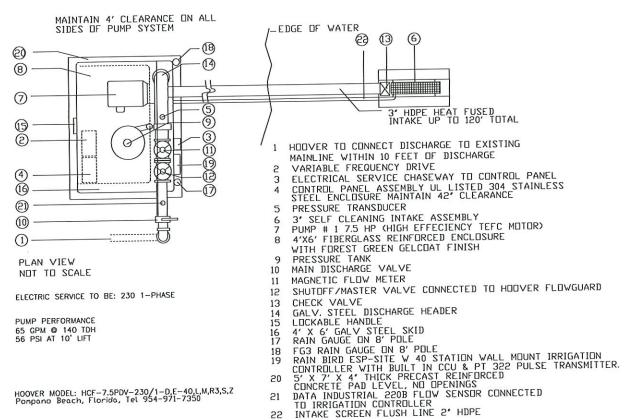
SAFETY FEATURES: -LOSS OF PRIME -OVERHEAT -TRANSIENT SURGE -HIGH FLOW

FEATURES ARE INCLUDED IF MARKED WITH AN 'X'

X VARIABLE FREQUENCY DRIVE

X RAIN BIRD ESP-40SITEW 40 STATION WALL MOUNT IRRIGATION CONTROLLER WITH RAIN GAUGE ON 8' POLE

X PRESSURE TANKS FOR PRESSURE DEMAND SYSTEM



FILE PN16154.DWG 10/21

CITY OF COCONUT CREEK WINDMILL PARK LOCATION NON HOOVER REPLACEMENT CENTRIFUGAL PUMP SYSTEM DETAIL

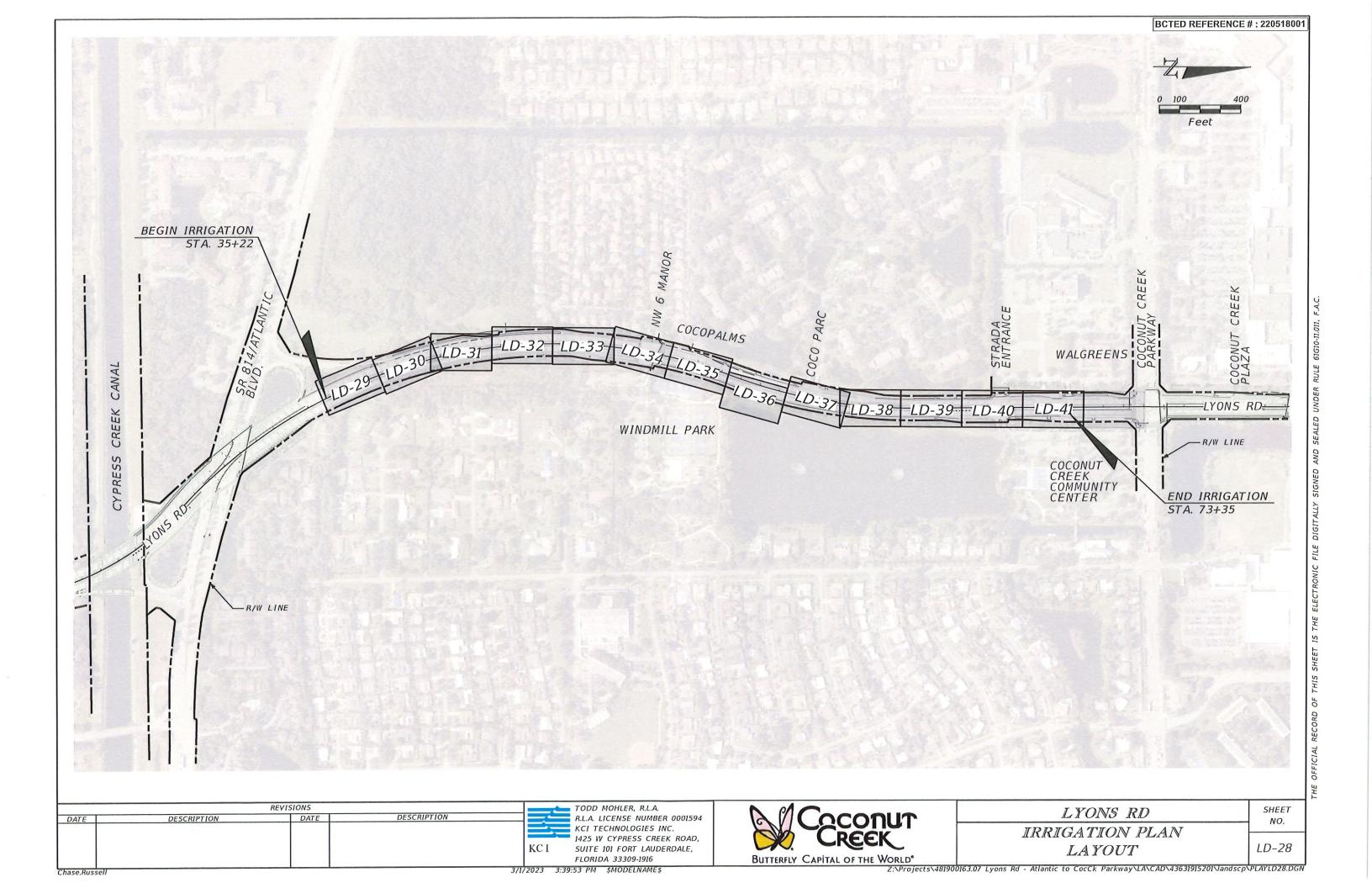
FIBERGLASS ENCLOSED SINGLE LAKE SUCTION PRESSURE DEMAND VARIABLE FREQUENCY DRIVE, HOOVER FLOWGUARD®

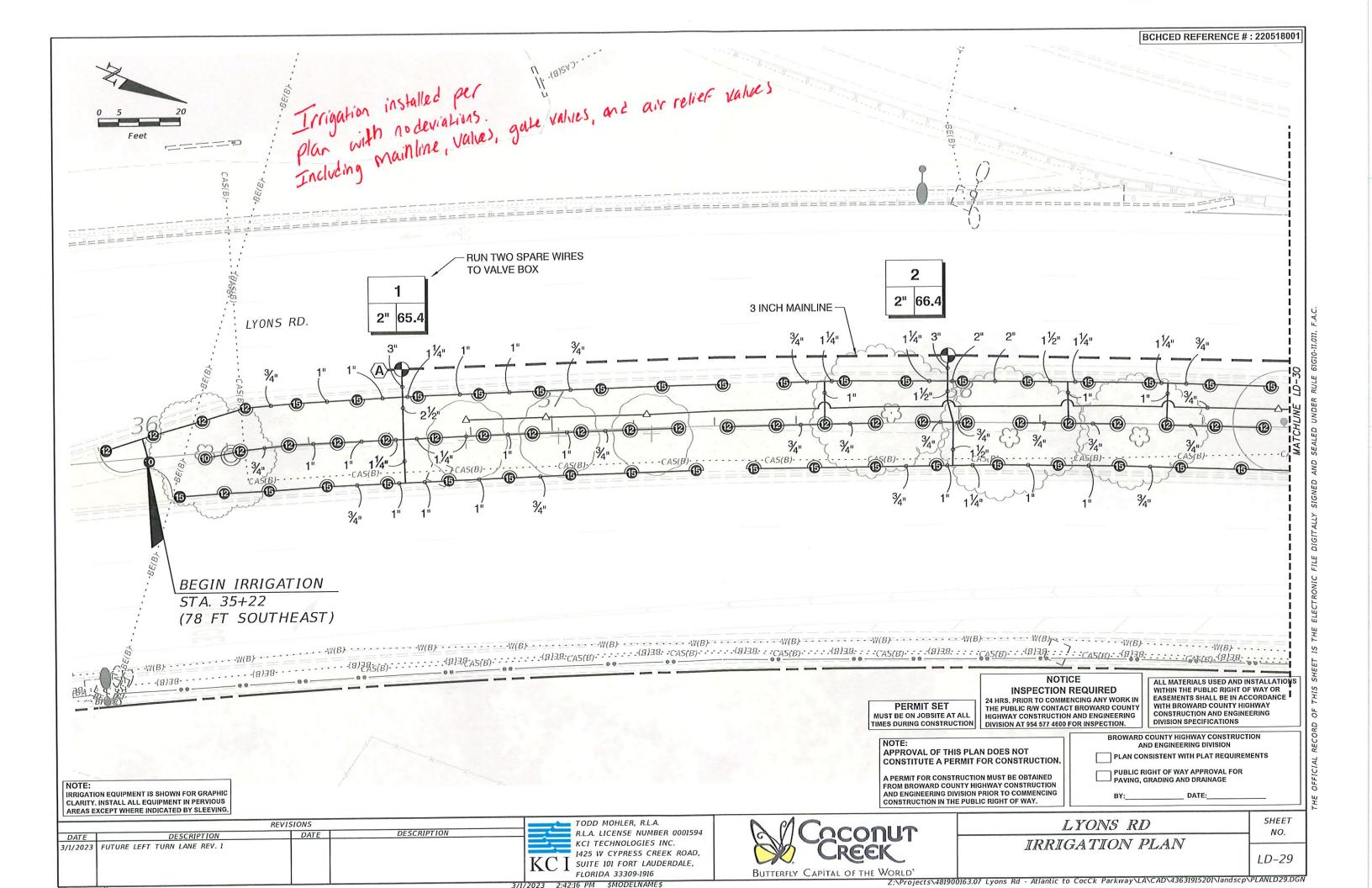
REVISIONS			TODD MOHLER, R.L.A.
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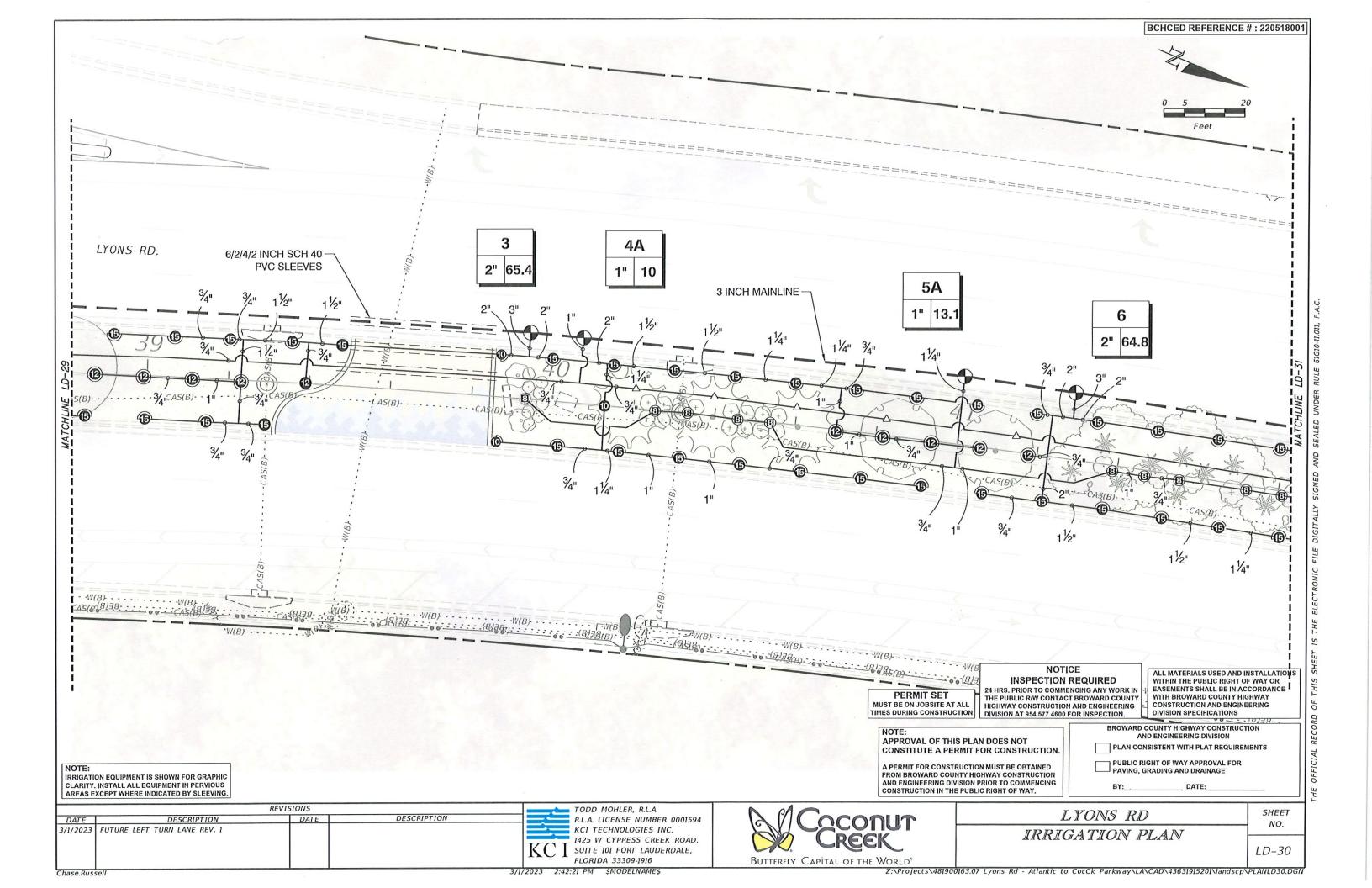
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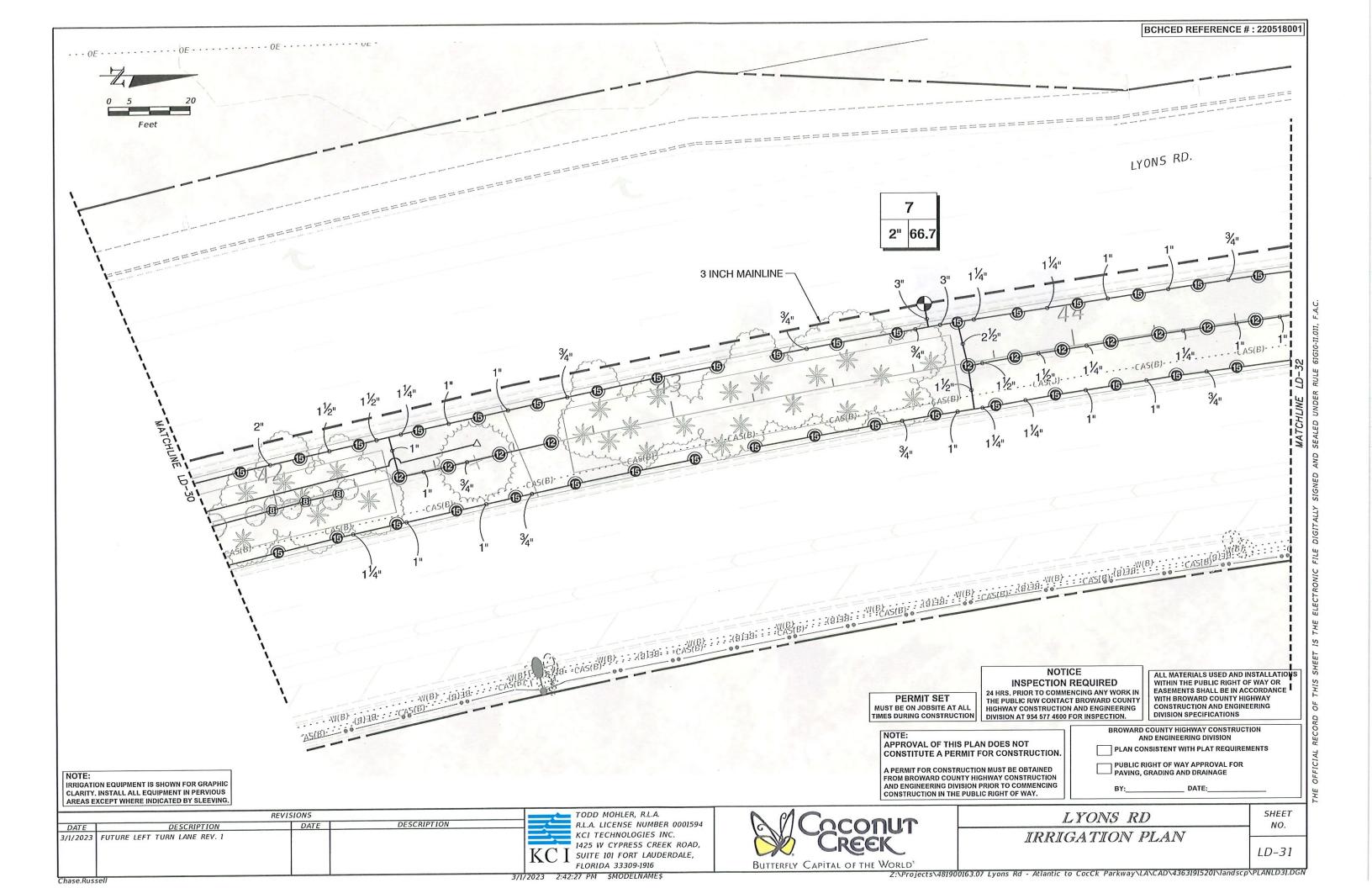


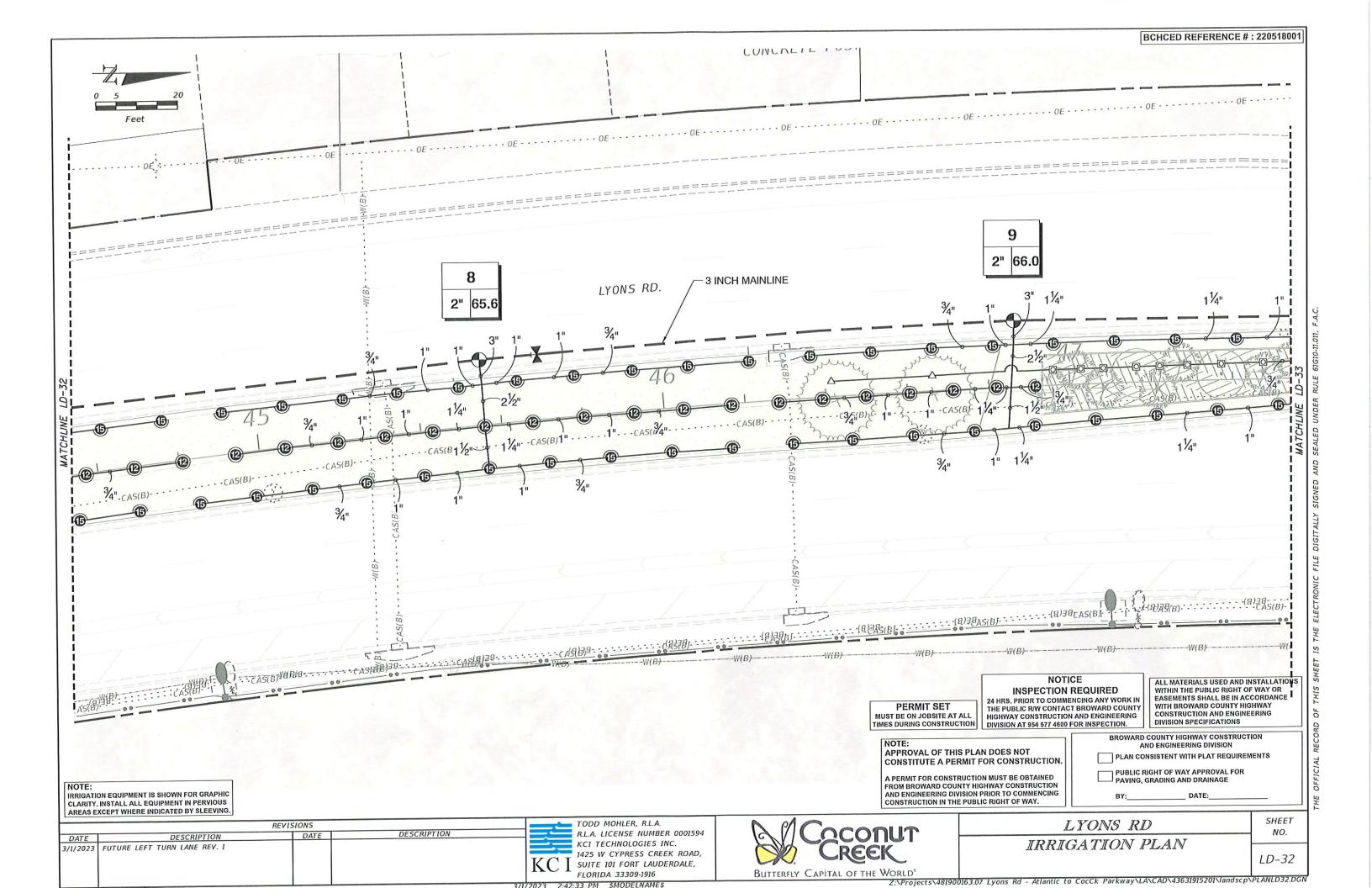
SHEET

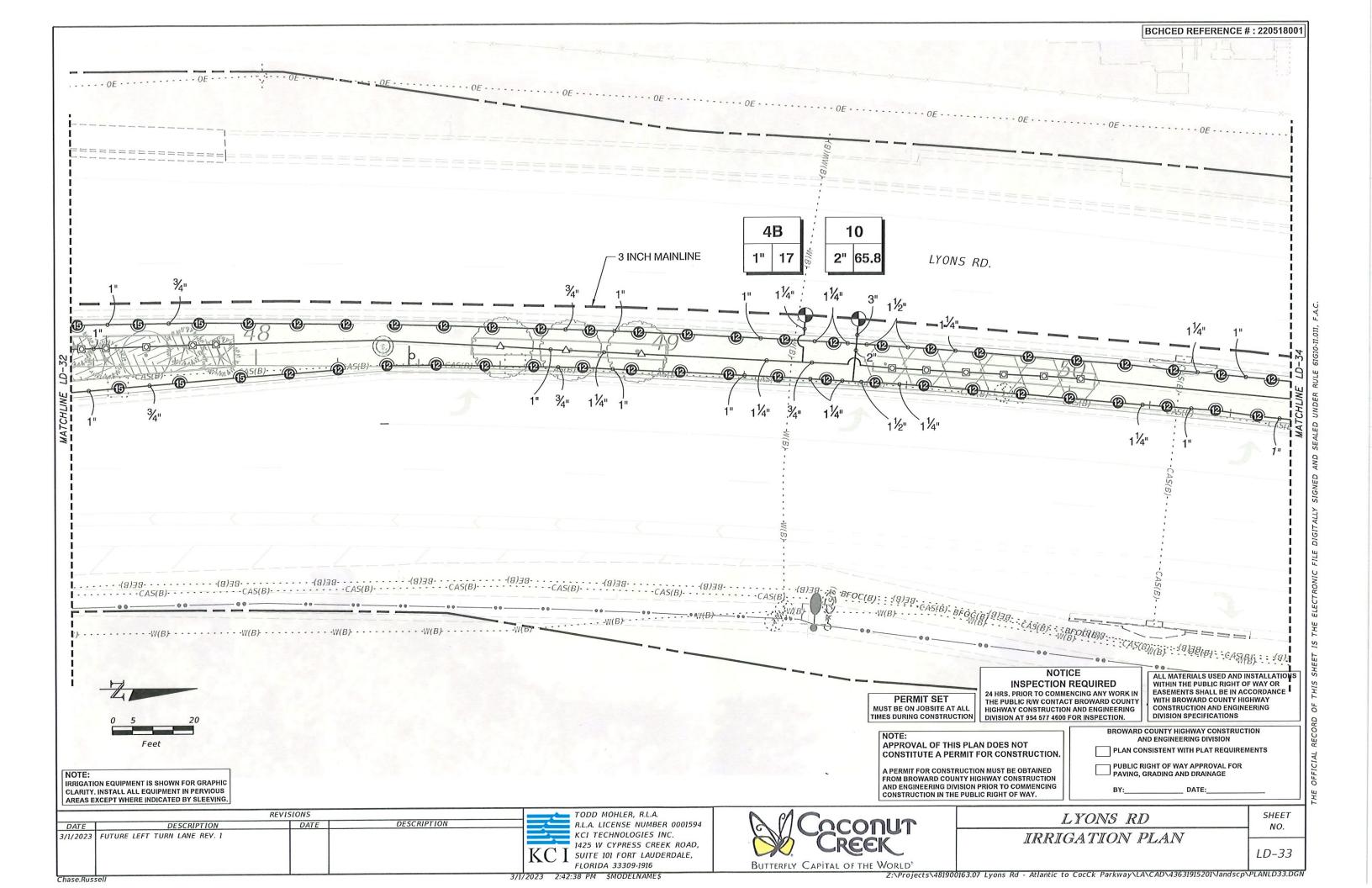


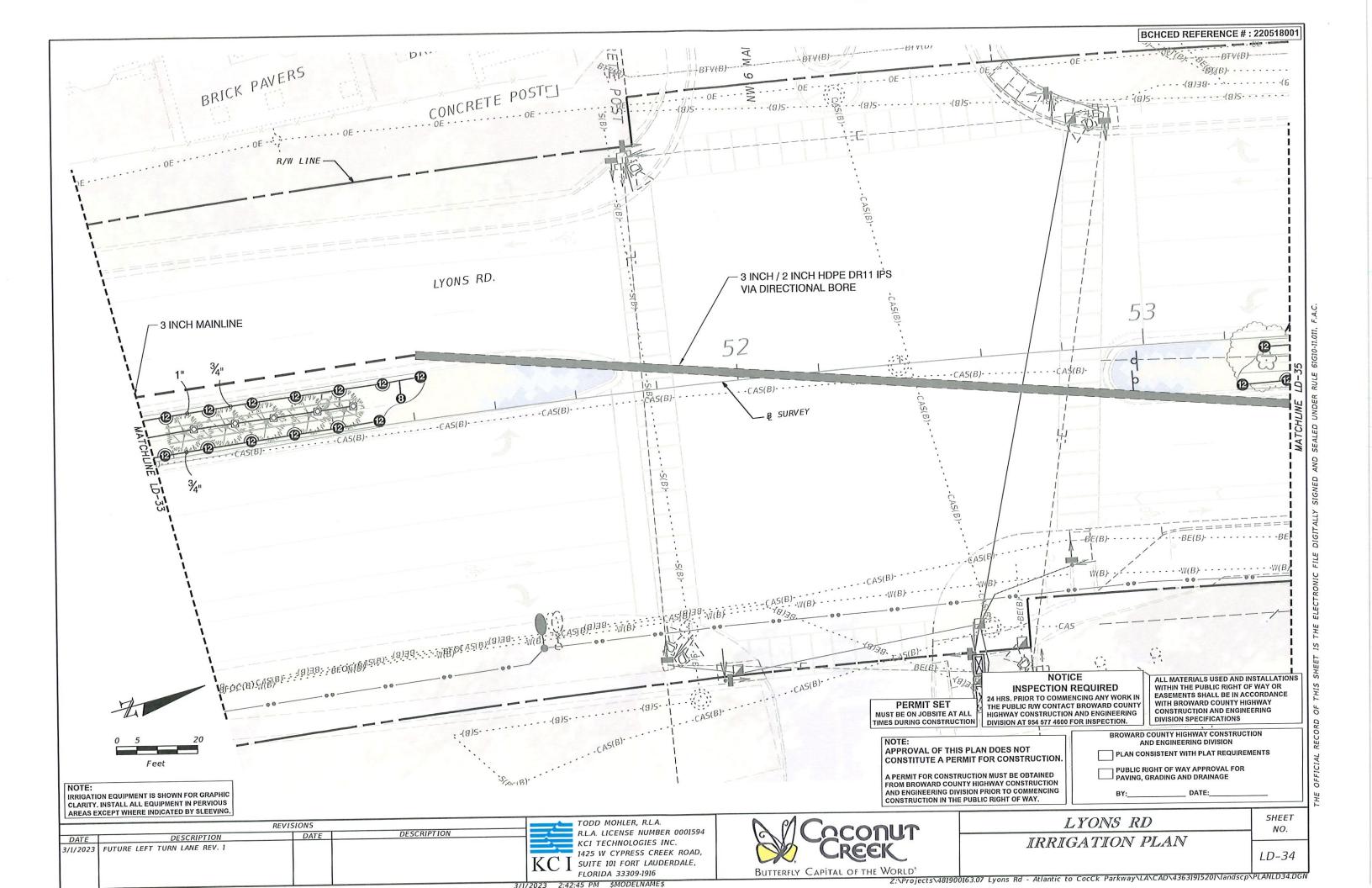


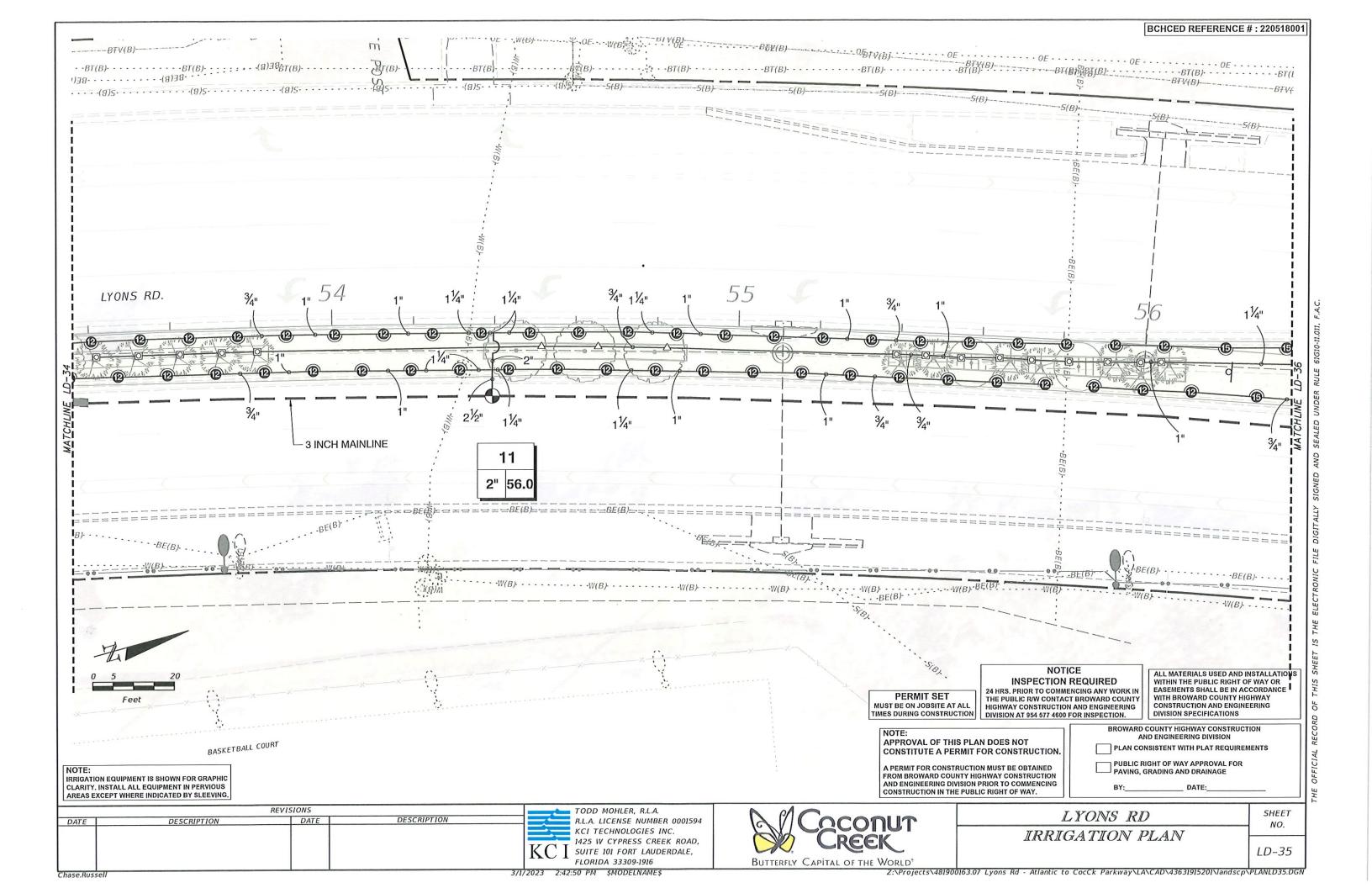


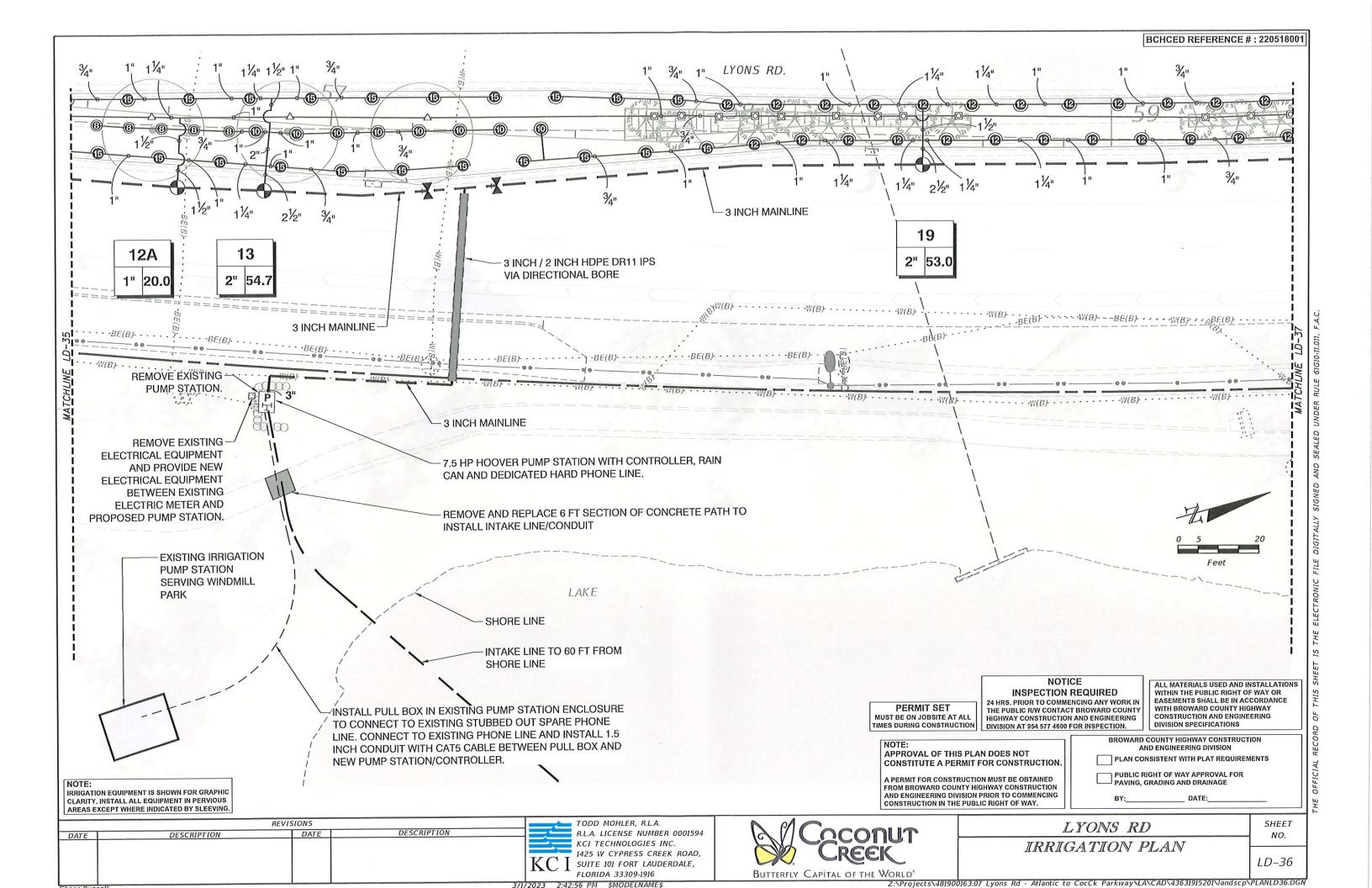


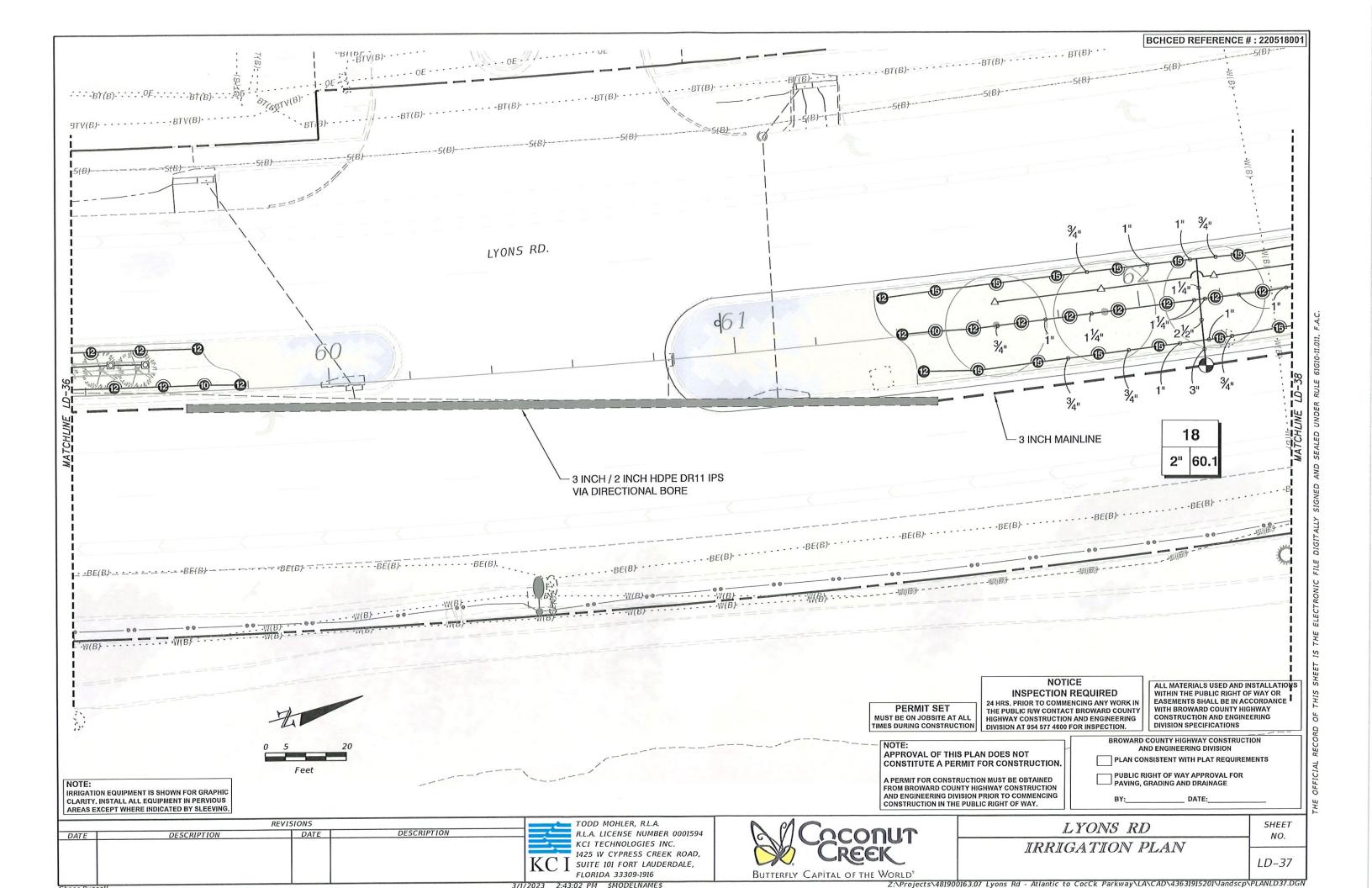


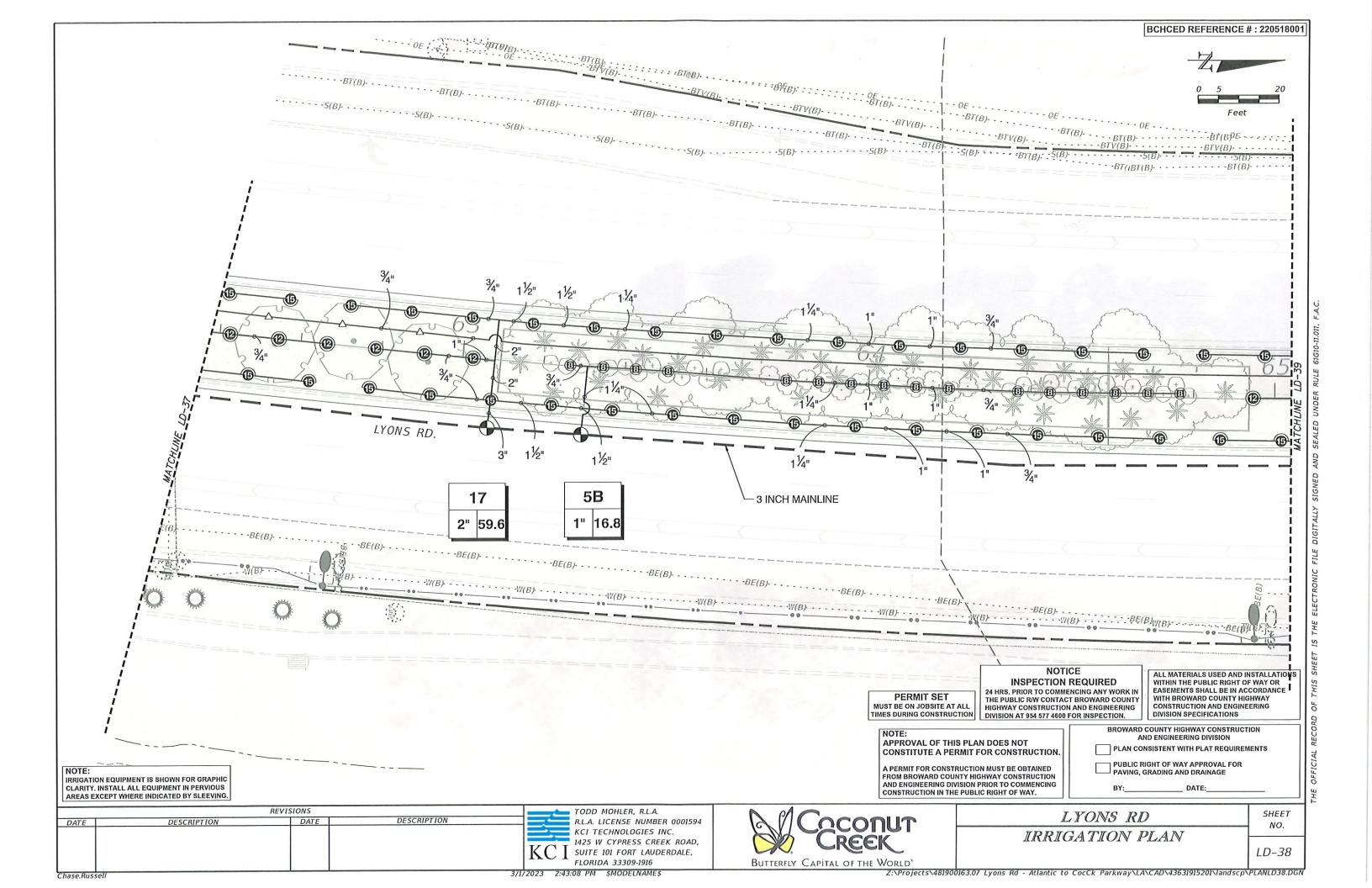


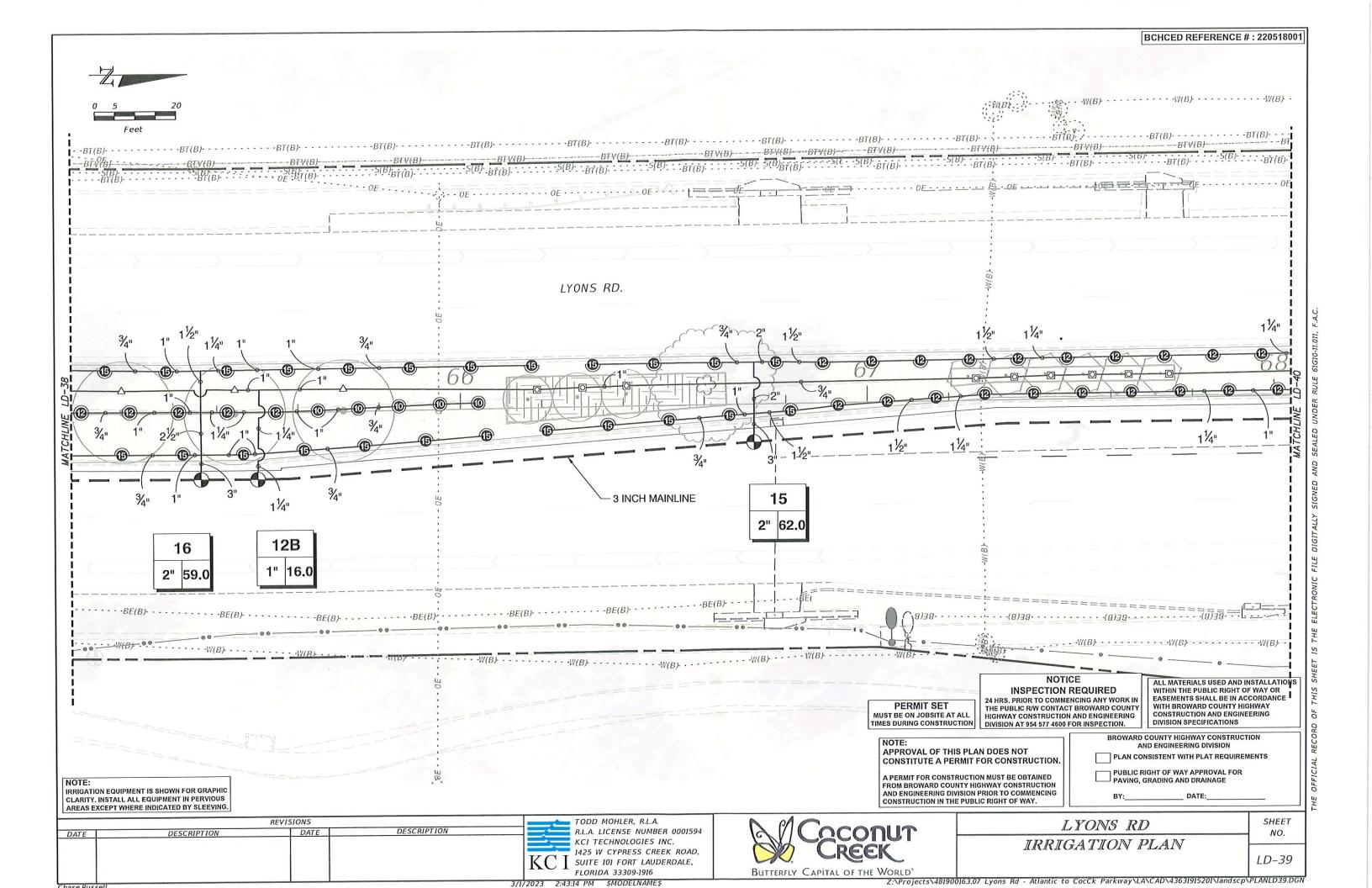


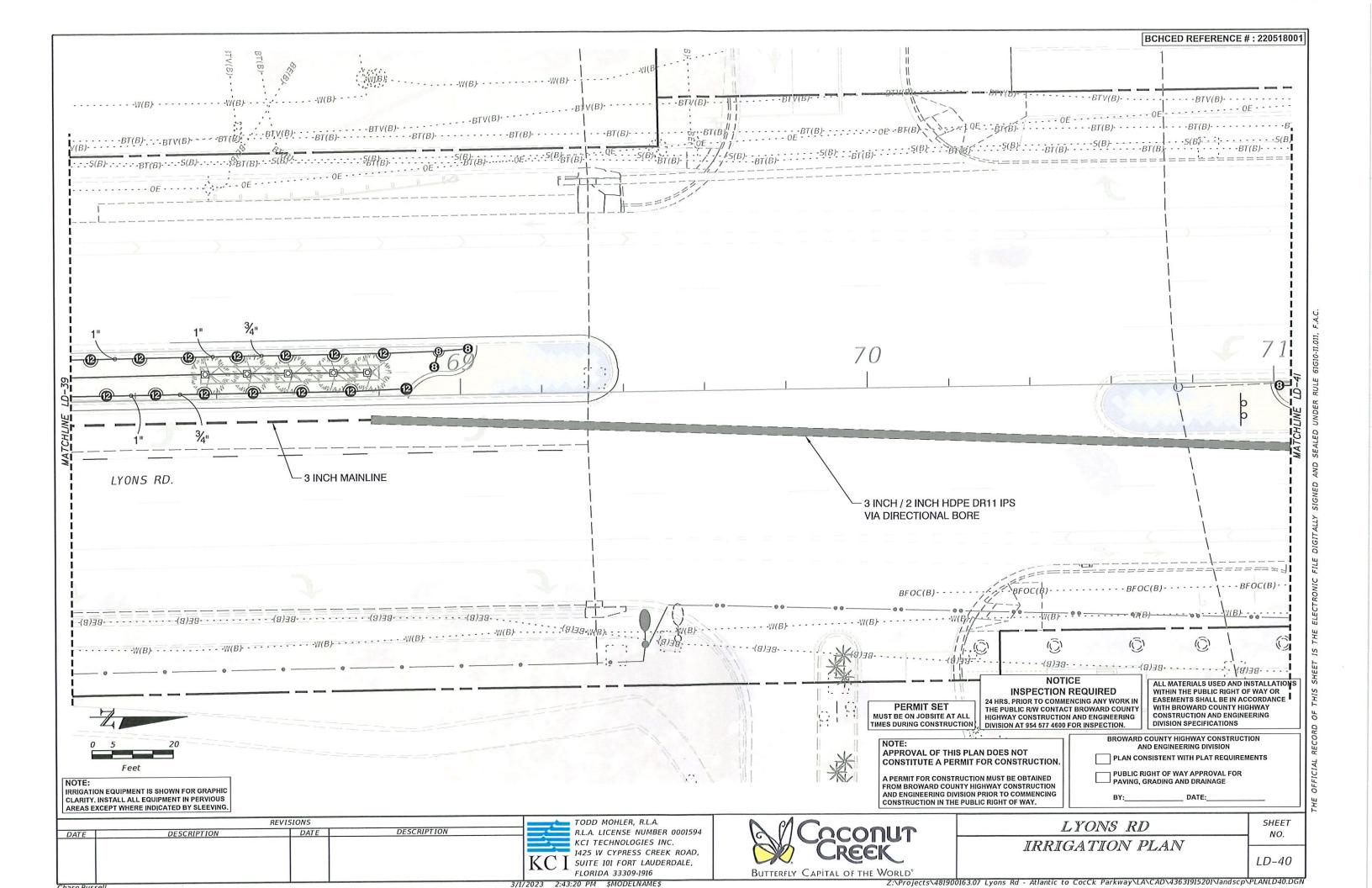


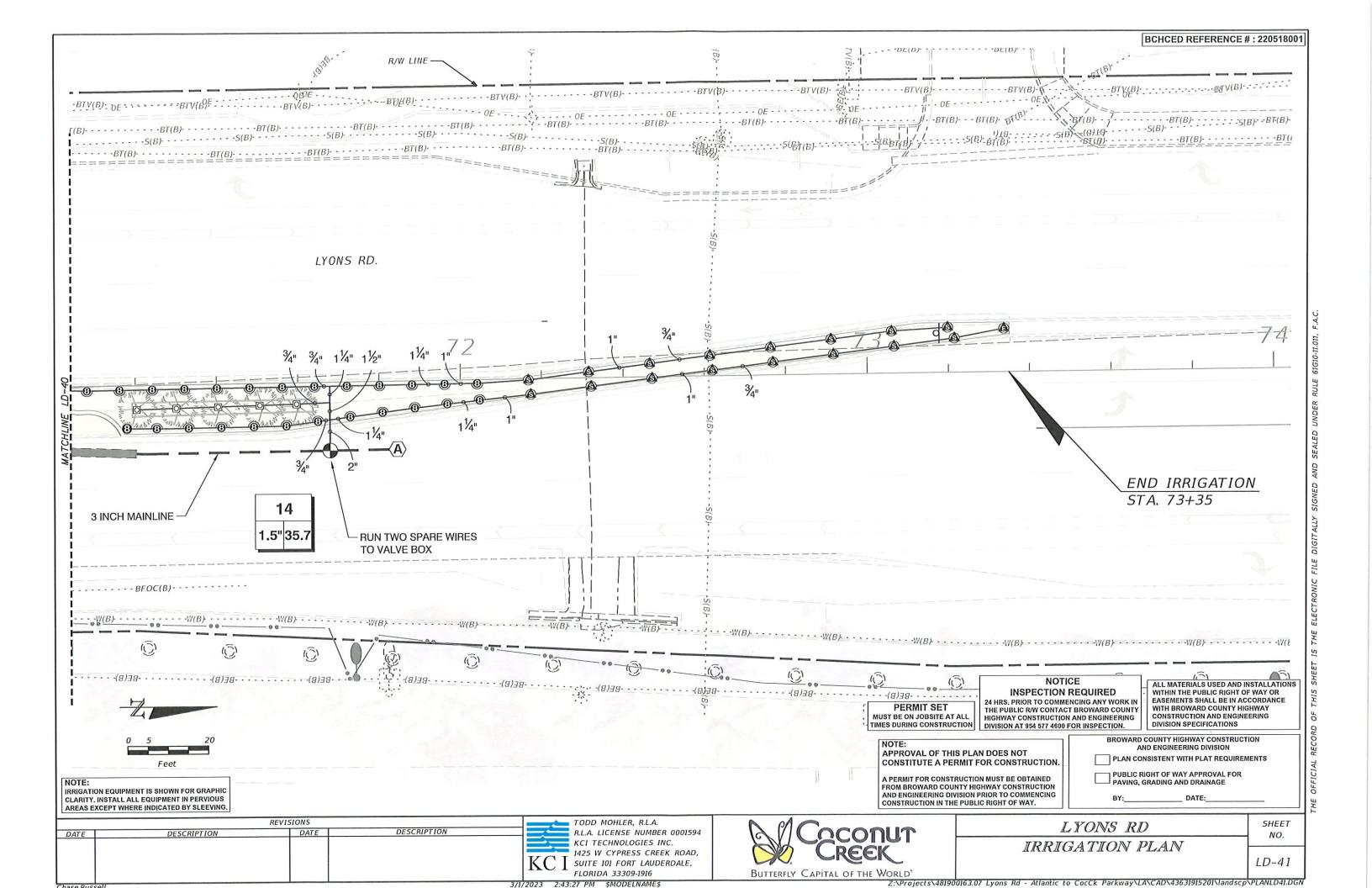












## PROJECT NOTES:

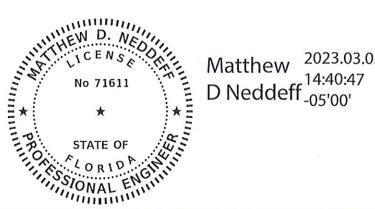
- 1. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS OR ON NON-EVENT DAYS/WEEKENDS. NON-PEAK HOURS ARE:
  FROM 9:00 AM TO 4:00 PM WEEKDAYS AND WEEKENDS
- 2. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE THE EXISTING POSTED SPEED.

## PHASE I: LYONS RD

- 1. CLOSE THE INSIDE LANE IN EACH DIRECTION ONE BLOCK AT A TIME IN ACCORDANCE WITH FDOT STANDARD PLANS INDEXES 102-613 AND 102-615.
- 2. INSTALL SMALL, LARGE TREES AND IRRIGATION SYSTEM.

## PHASE II: LYONS RD

- 1. CLOSE THE OUTSIDE LANE AND SIDEWALK ONE BLOCK AT A TIME IN ACCORDANCE WITH FDOT STANDARD PLANS INDEXES 102-613 AND 102-660.
- 2. CONNECT IRRIGATION SYSTEM.



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THIS SHEET HAS BEEN DIGITALLY SIGNED & SEALED IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C. BY

MATTHEW D. NEDDEFF, P.E. ON 3/3/2023

PRINTED COPIES OF THIS
DOCUMENT ARE NOT CONSIDERED
SIGNED & SEALED AND THE
SIGNATURE MUST BE VERIFIED ON
ANY ELECTRONIC COPY

REVISIONS

DATE DESCRIPTION

DATE DESCRIPTION

DATE DESCRIPTION

MATTHEW D. NEDDEFF, P.E. LICENSE NUMBER 71611 KCI TECHNOLOGIES INC. 1425 W CYPRESS CREEK ROAD, SUITE 101 FORT LAUDERDALE, FLORIDA 33309-1916



LYONS RD
TEMPORARY TRAFFIC
CONTROL PLAN

SHEET NO. LD-42

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# 2 WEEKS PRIOR TO CONSTRUCTION

LYONS RD CONST

BEGIN "DATE" LYONS RD CONST AHEAD

**DURING CONSTRUCTION** 

EXPECT DELAYS

PCMS PLACED ALONG NORTHBOUND AND SOUTHBOUND LYONS RD