CONTRACT PLANS COMPONENTS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

INDEX OF LANDSCAPE PLANS

SHEET NO.

LD-00

KEY SHEET

LD-1

LAYOUT PLAN

IRR-14 TO IRR-25

HSD-26 TO HSD-27

LO-28

LD-29 TO LD-33

HSD-34 TO HSD-35

HARDSCAPE PLANS

TABULATION OF QUANTITES

HARDSCAPE ALANS

HARDSCAPE DETAILS

FINANCIAL PROJECT ID PB1935-3

BROWARD COUNTY

STATE ROAD NO. SR-A1A MP 8.687 BEGONNING OF THE PROJECT MP 9.888 FOR THE END OF THE PROJECT



LANDSCAPE AND IRRIGATION PLANS

DESIGN SPEED = 35 MPH

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2022 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

APPLICABLE IRs:

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

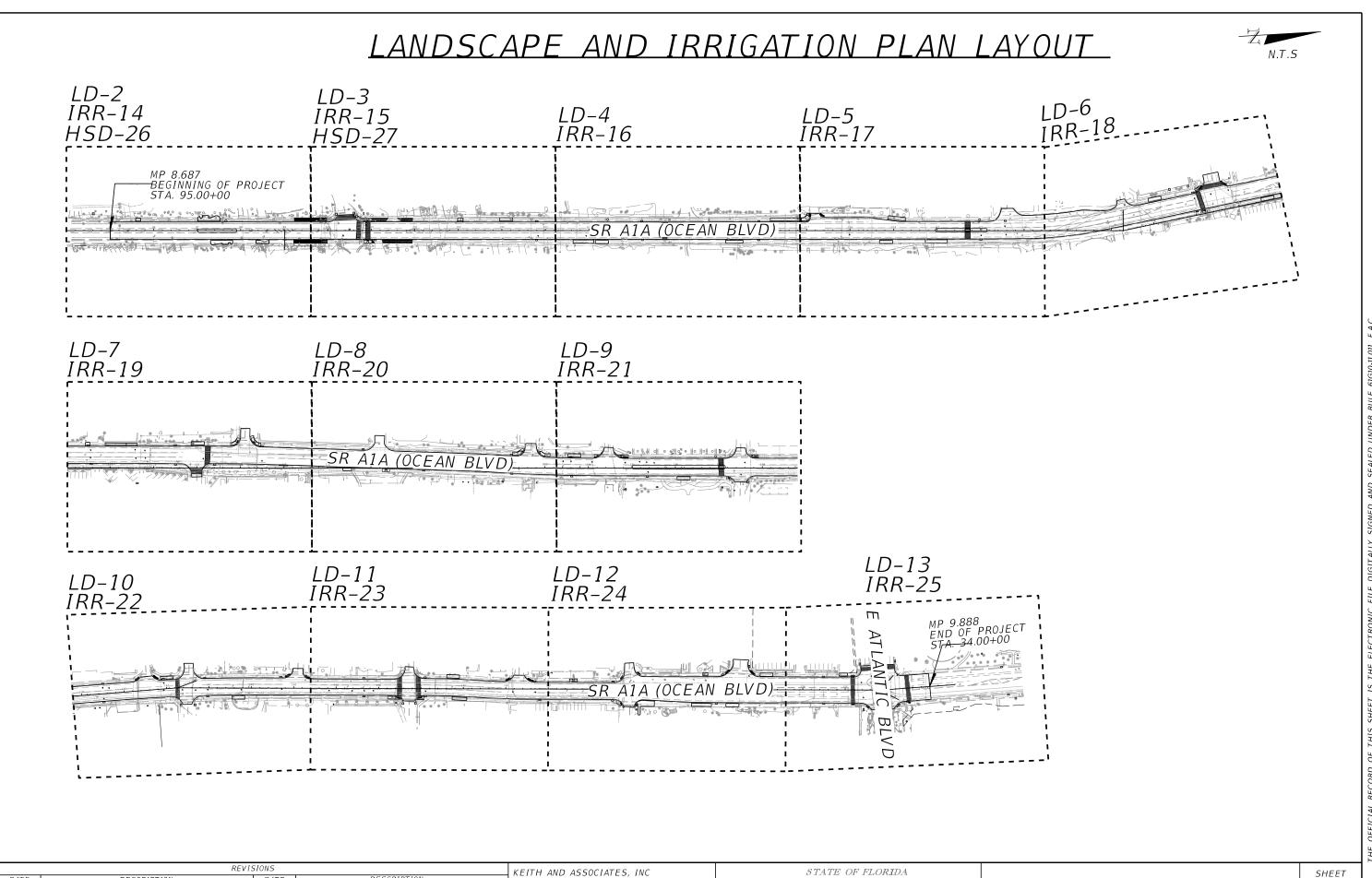
Florida Department of Transportation, July 2021 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

LANDSCAPE PLANS LANDSCAPE ARCHITECT OF RECORD:

KEITH AND ASSOCIATES, INC 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J . PHILLIPS RLA NO. 0001540

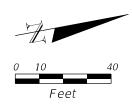


CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
PB1935-3	20	00



				KEIIH AND ASSUCIALES, IN
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060
				(954) 788-3400
				MICHAEL J. PHILLIPS
				R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
ROAD NO. COUNTY FINANCIAL PROJECT ID					
SR A1A	BROWARD	PB1935-3			



DESCRIPTION

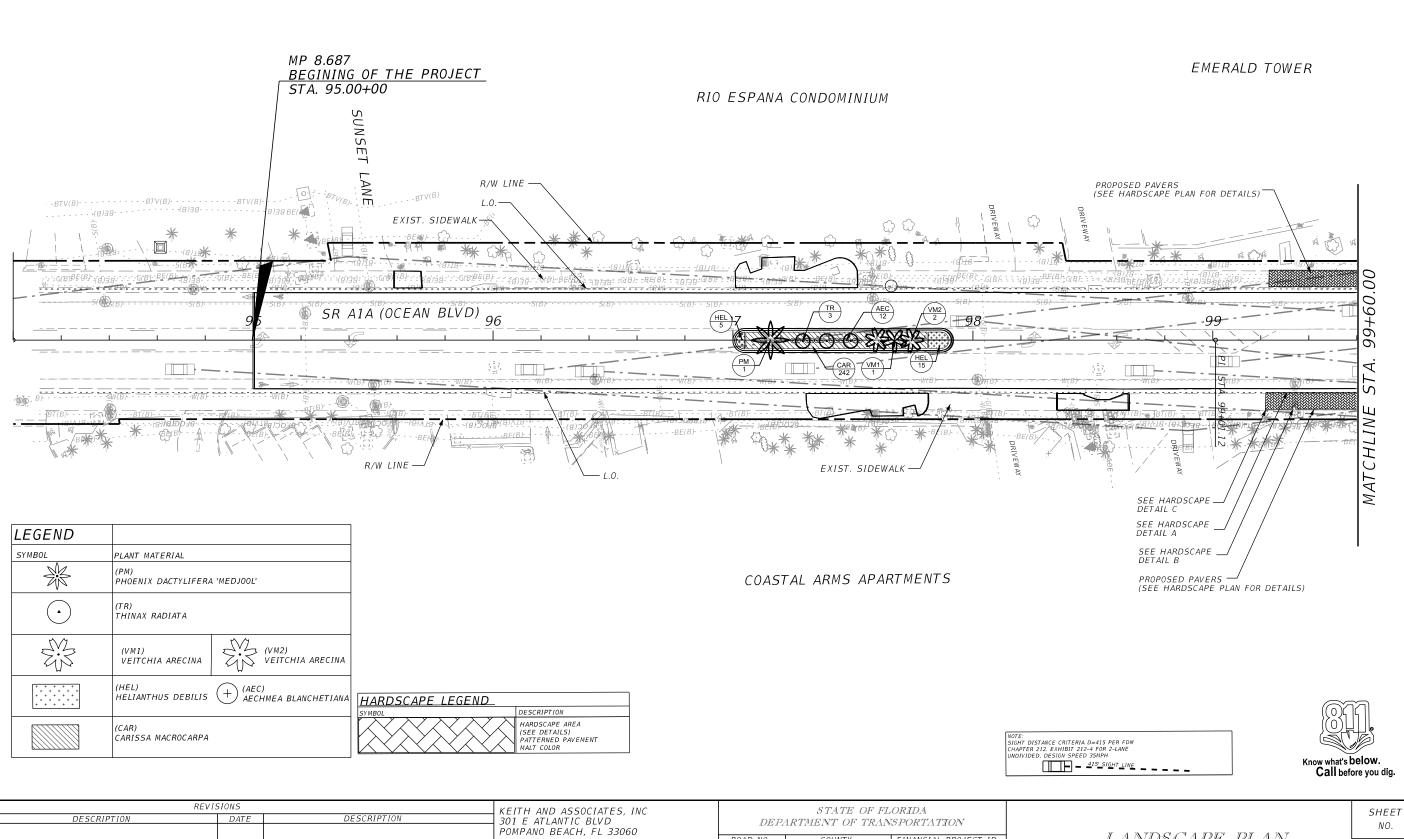
(954) 788-3400 MICHAEL J. PHILLIPS

R.L.A NO 0001540

DATE

DESCRIPTION

DATE



FINANCIAL PROJECT ID

PB1935-3

DEPARTMENT OF TRANSPORTATION

COUNTY

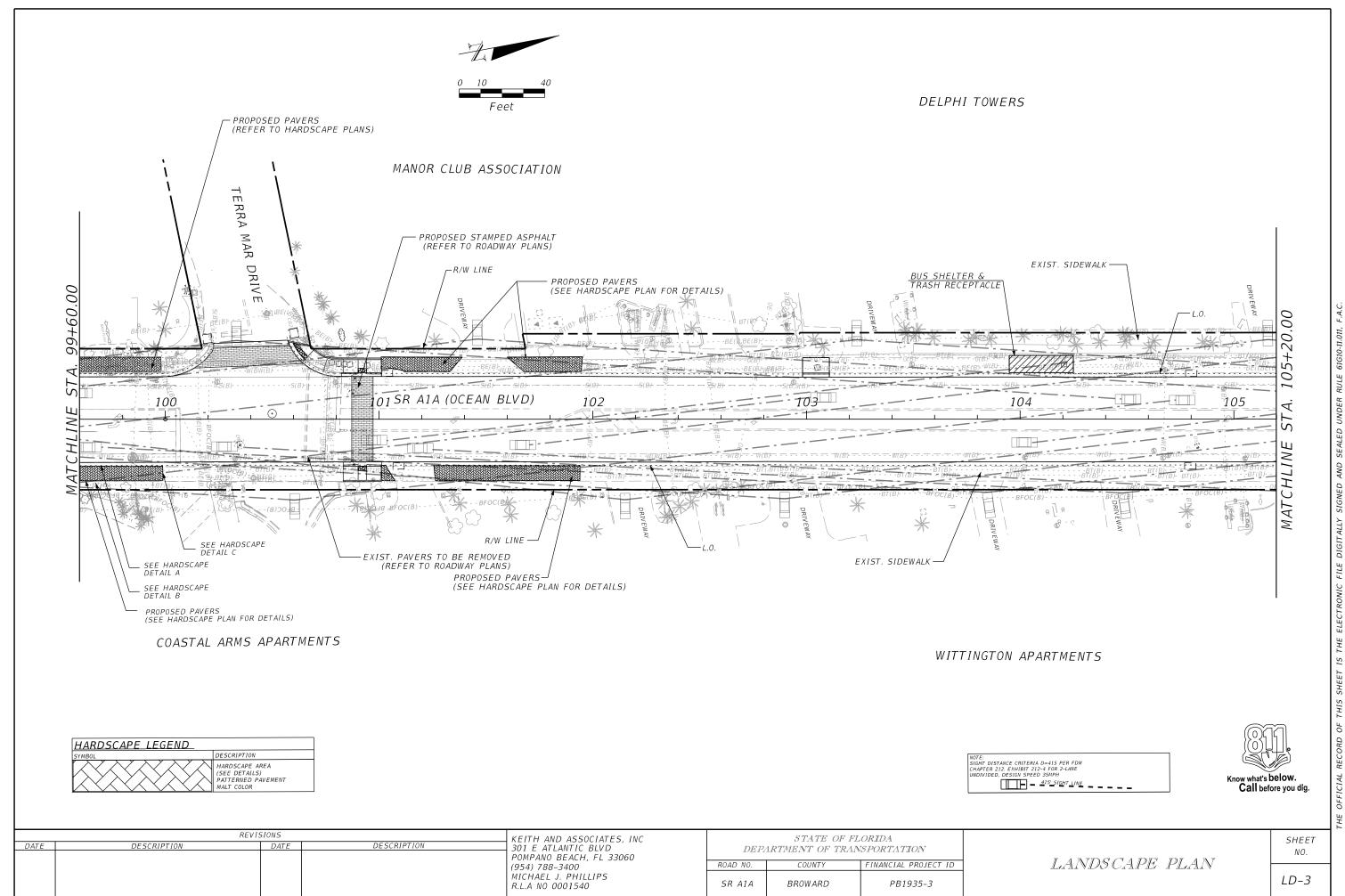
BROWARD

ROAD NO.

SR A1A

LANDS CAPE PLAN

NO.



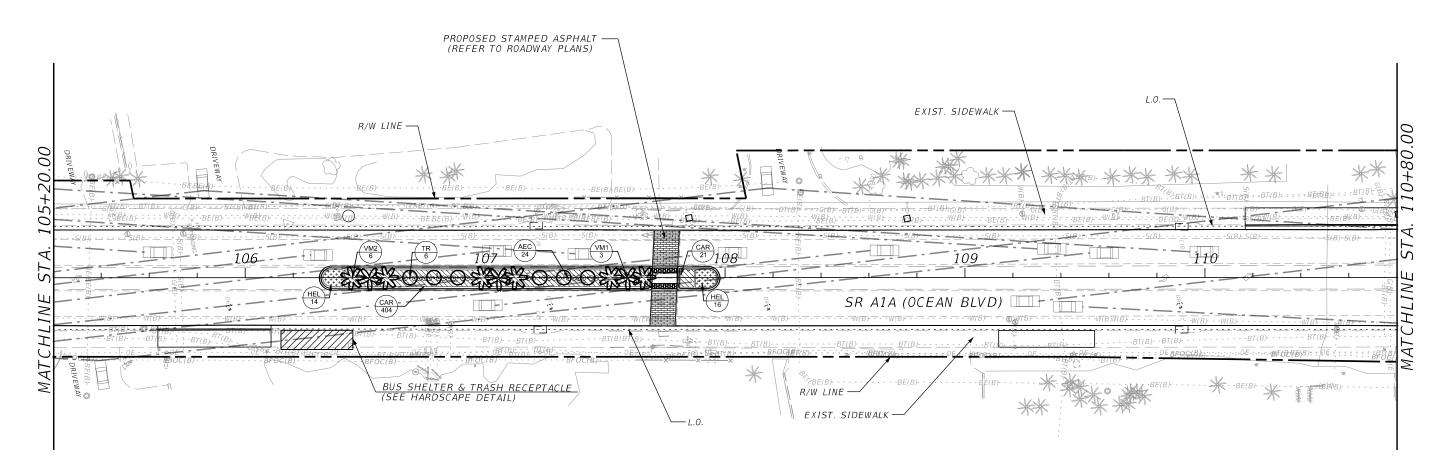
bhitt

4/6/2021

3:18:16 PM

N:\10\10654.04 -SR A1A Streetscape Improvements - COPB (KEITH Prime)\Highway - FD01

FIVE STAR PREMIER RESIDENCES OF POMPANO BEACH



LEGEND				
SYMBOL	PLANT MATERIAL			
	(PM) PHOENIX DACTYLIFERA	(PM) PHOENIX DACTYLIFERA 'MEDJOOL'		
\bullet	(TR) THINAX RADIATA			
	(VM1) VEITCHIA ARECINA	(VM2) VEITCHIA ARECINA		
+ + + + + + + + + + + + + + + + + + +	(HEL) HELIANTHUS DEBILIS	+ (AEC) AECHMEA BLANCHETIANA		
	(CAR) CARISSA MACROCARPA			

RENAISSANCE II





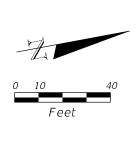
	KEITH AND ASSOCIATES			
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 330
				(954) 788-3400
				MICHAEL J. PHILLIPS
				R.L.A NO 0001540

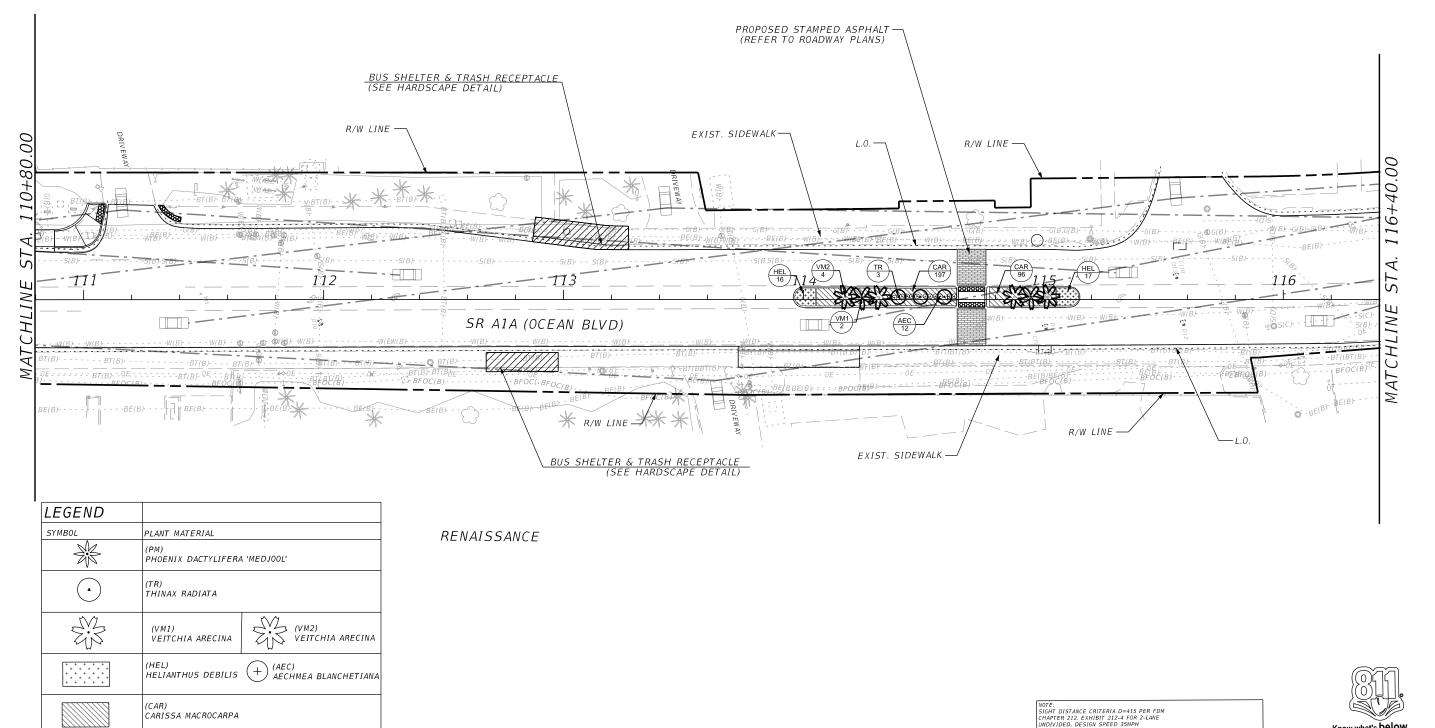
CIATES, INC BLVD FL 33060	
IPS	

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
ROAD NO. COUNTY FINANCIAL PROJECT ID				
SR A1A	BROWARD	PB1935-3		

LANDS CAPE PLAN

SHEET
NO.





Know what's below.
Call before you dig.

	REV I	KEITH AND ASSOCIATES. INC		
DATE	DESCRIPTION	DATE		301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060
				(954) 788-3400
				MICHAEL J. PHILLIPS
				R.L.A NO 0001540

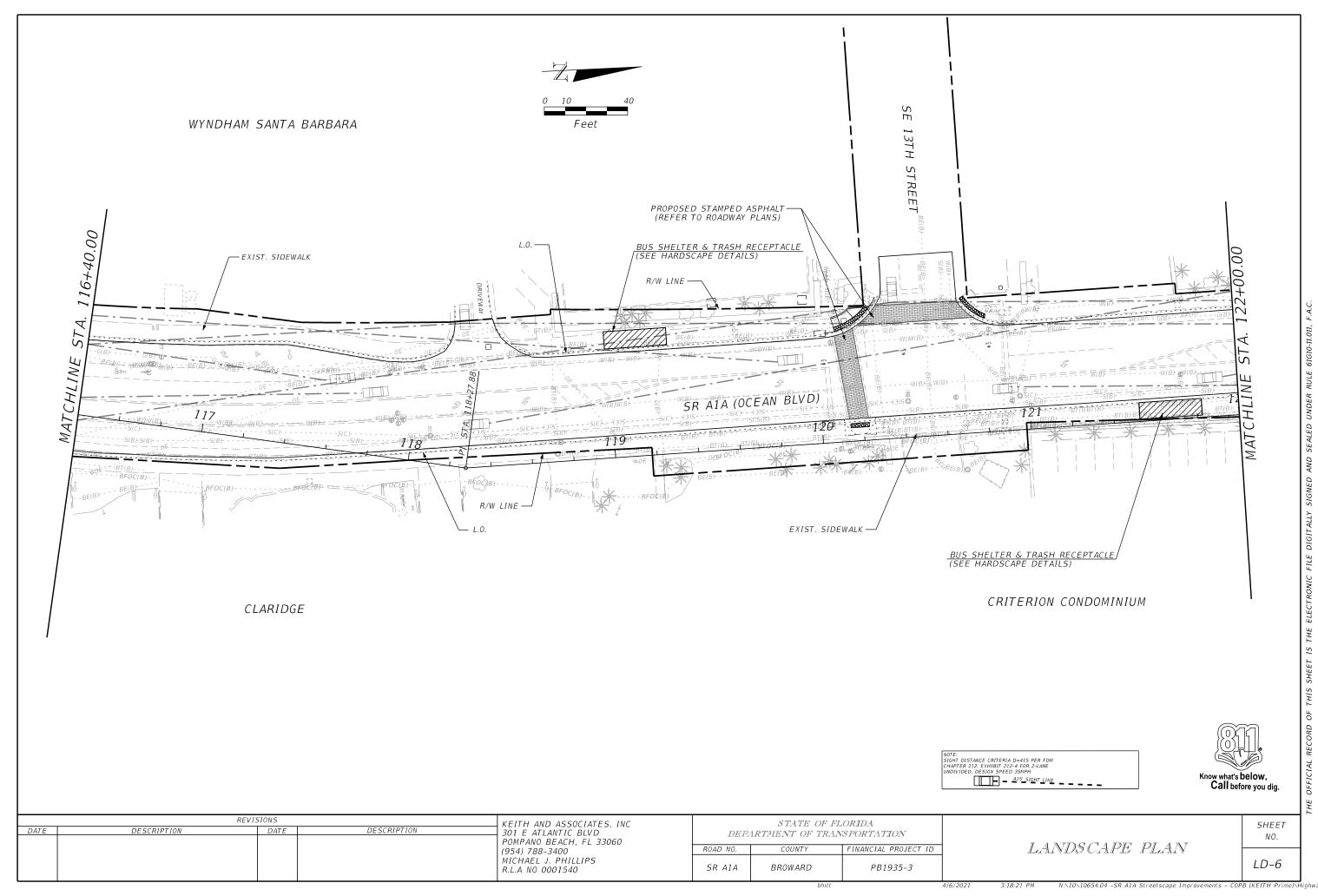
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
OAD NO. COUNTY FINANCIAL PROJEC				
SR A1A	BROWARD	PB1935-3		

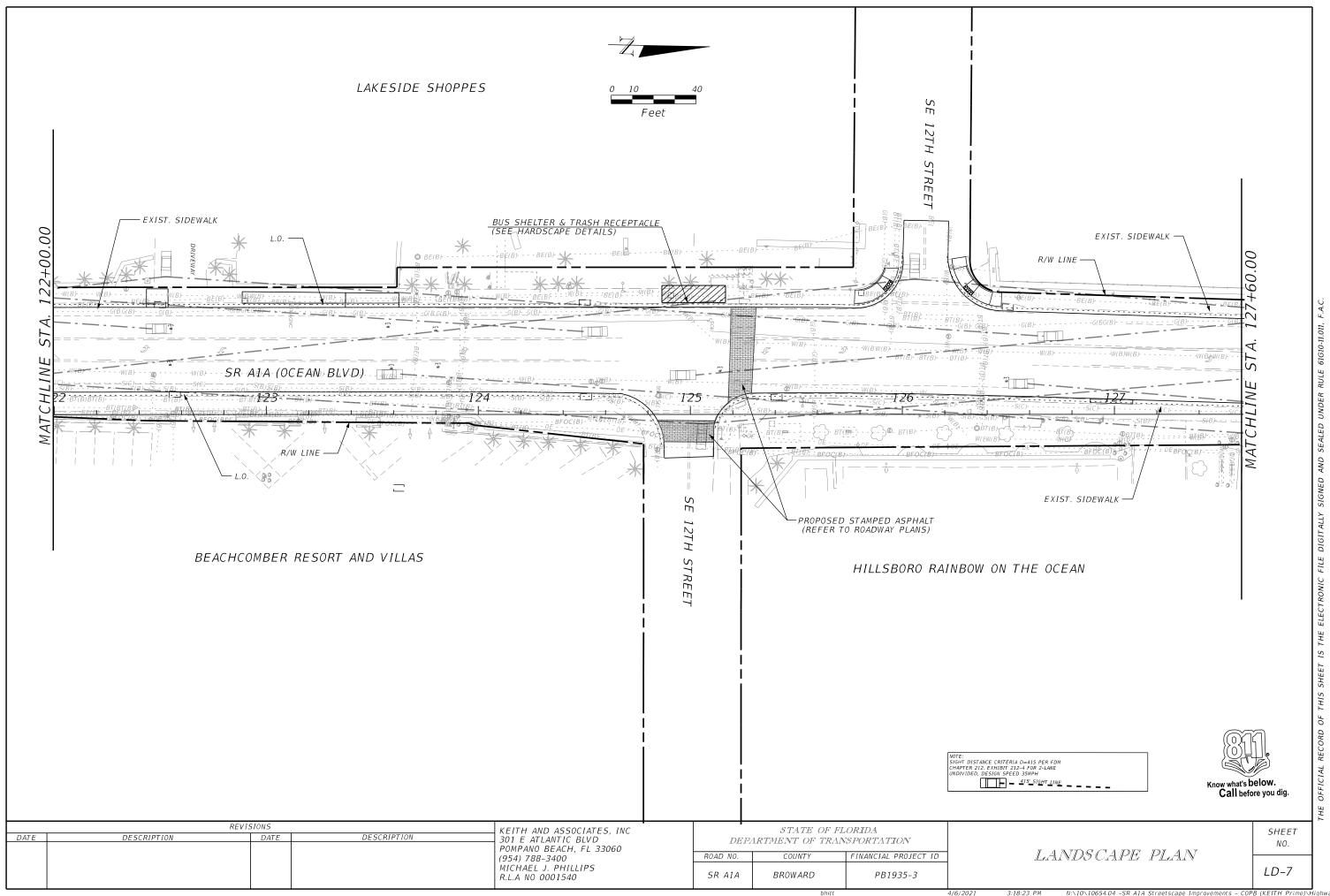
LANDS CAPE PLAN

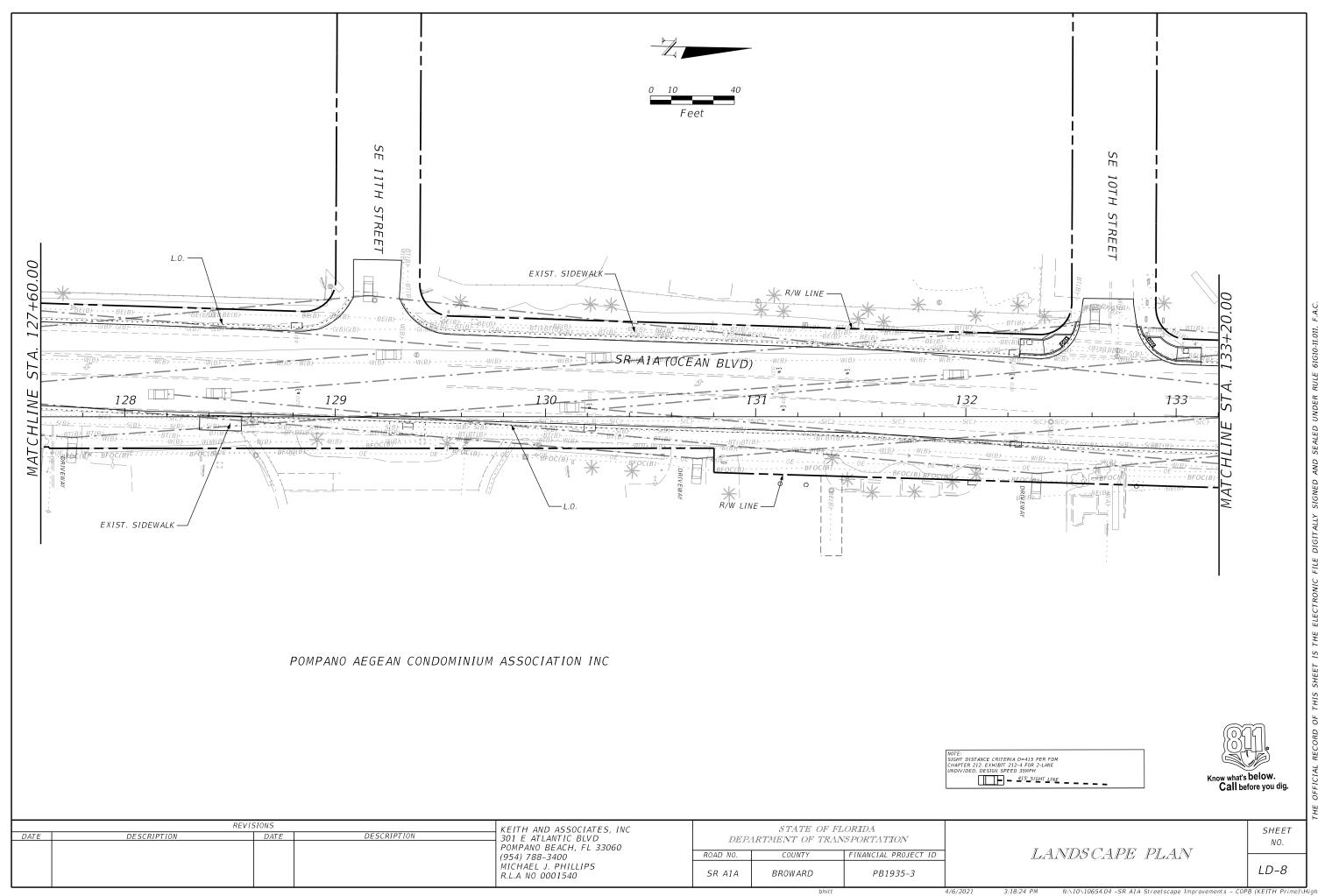
SHEET NO.

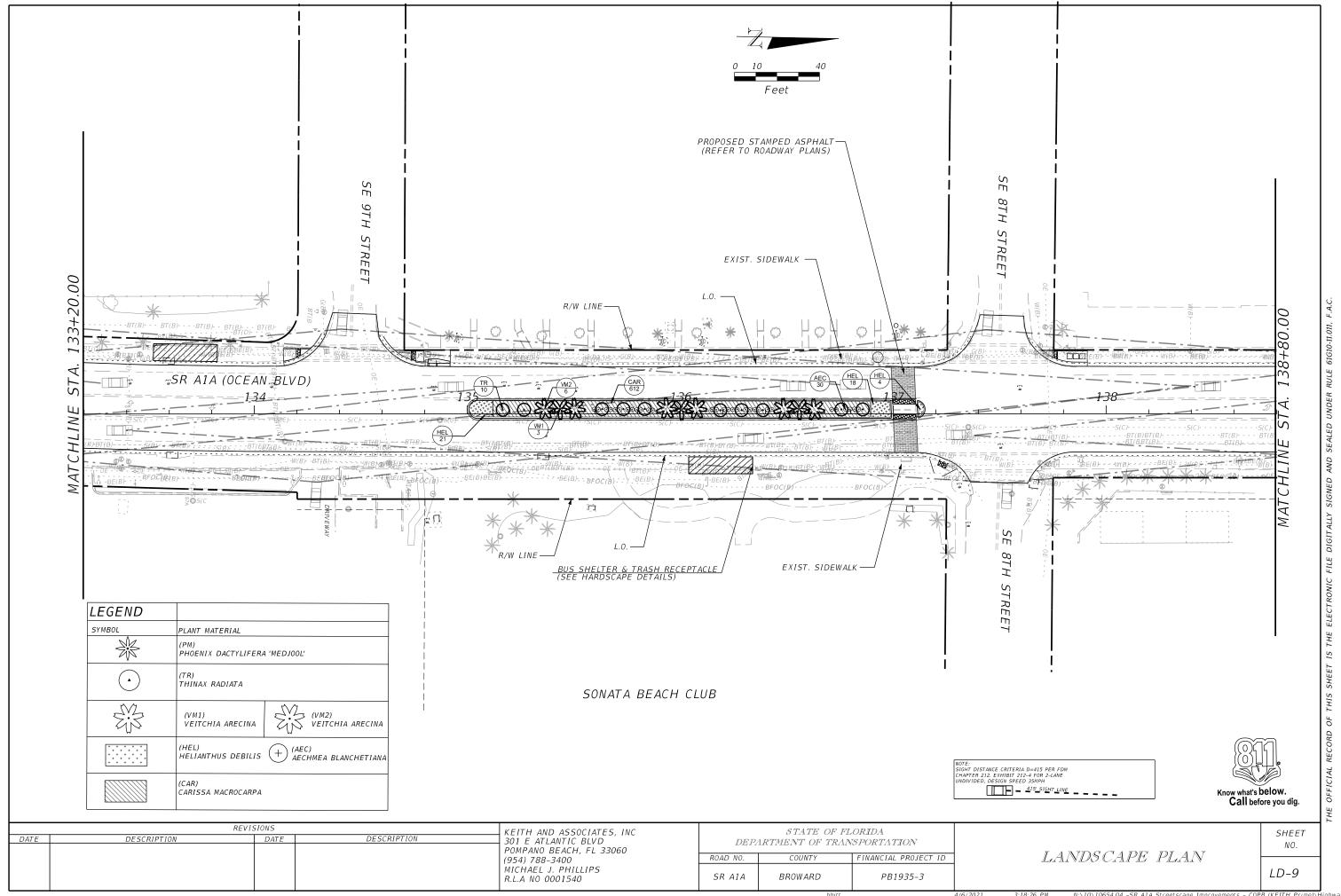
LD-5

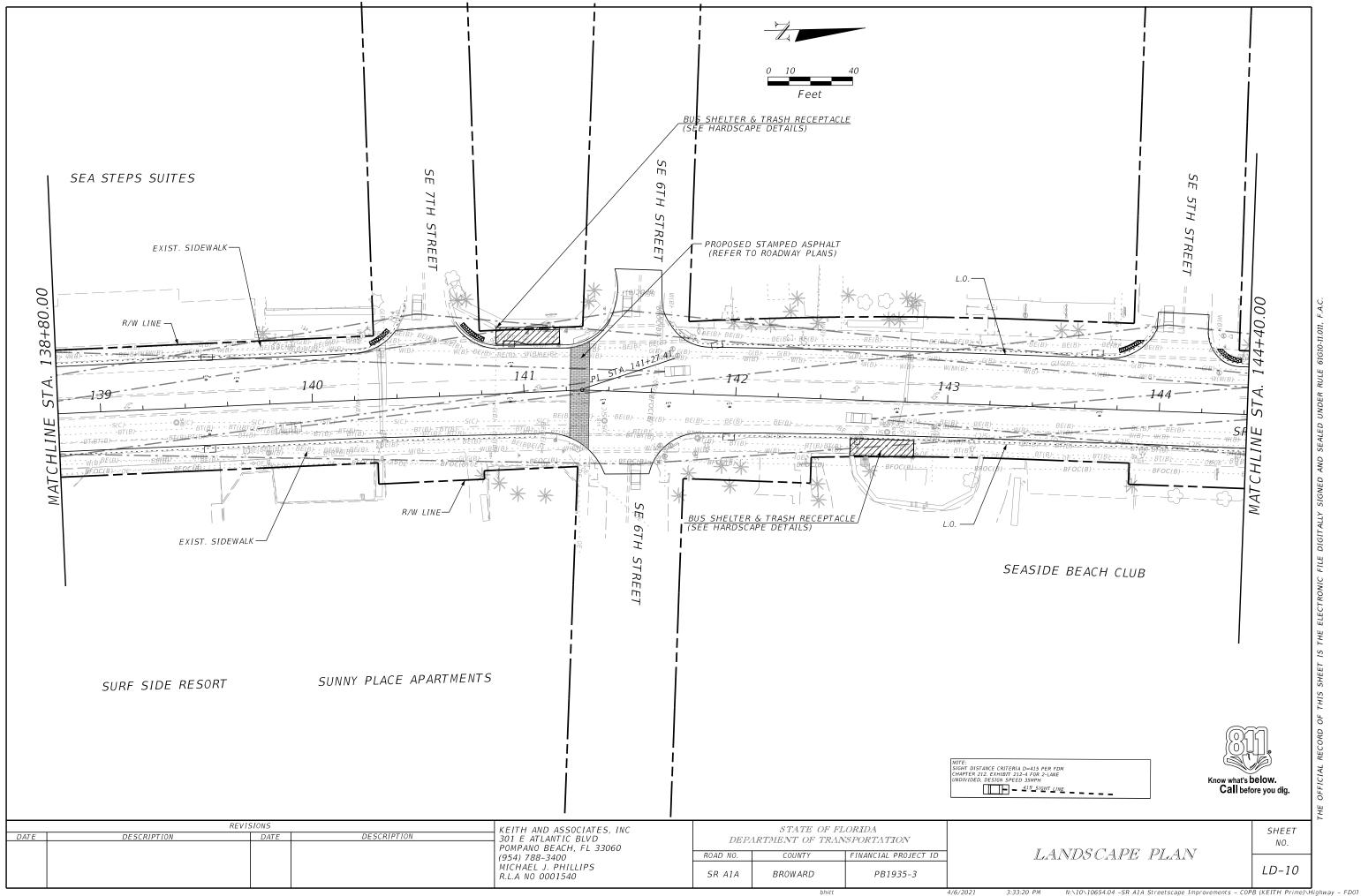
415' SIGHT LINE

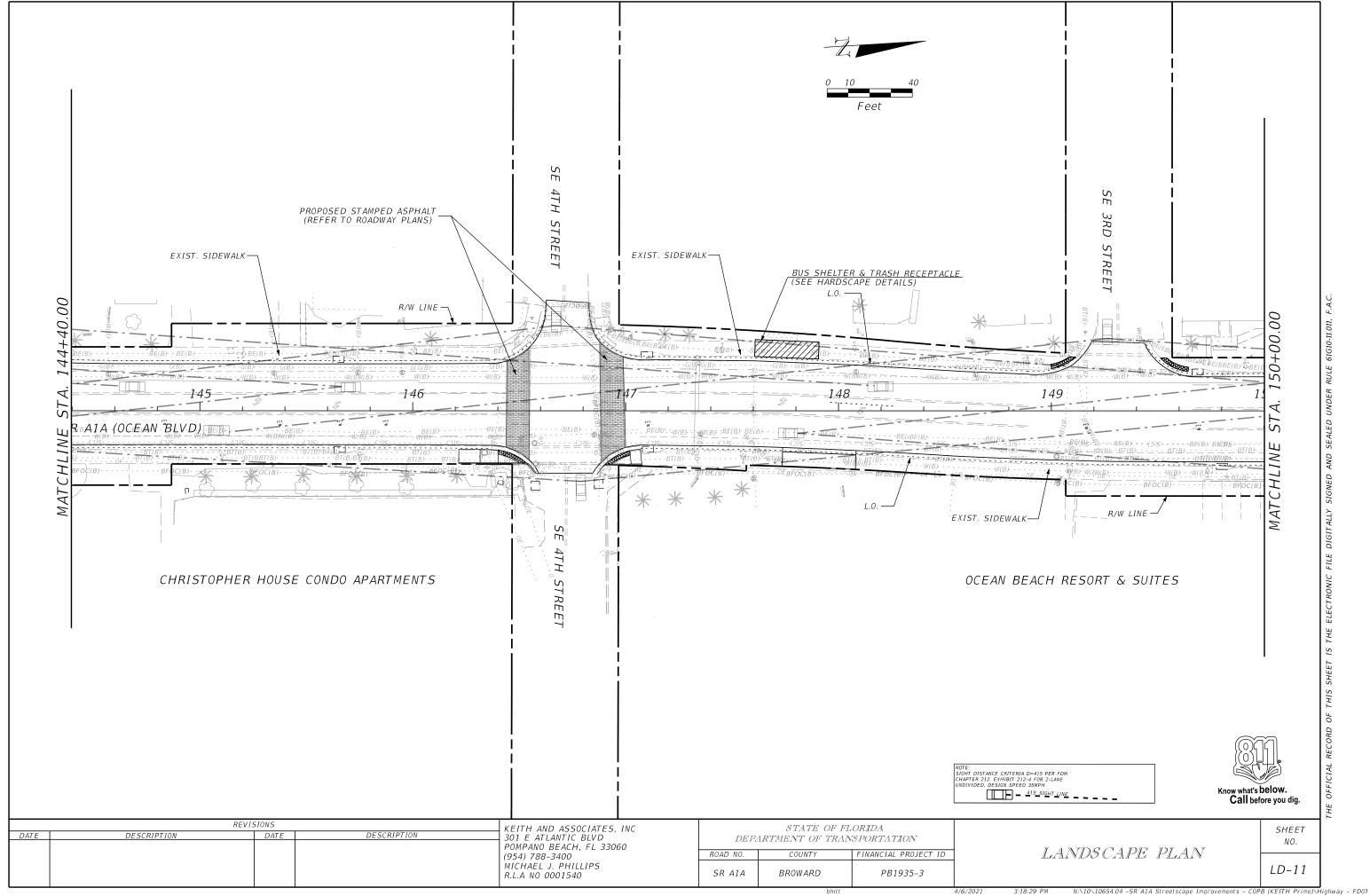


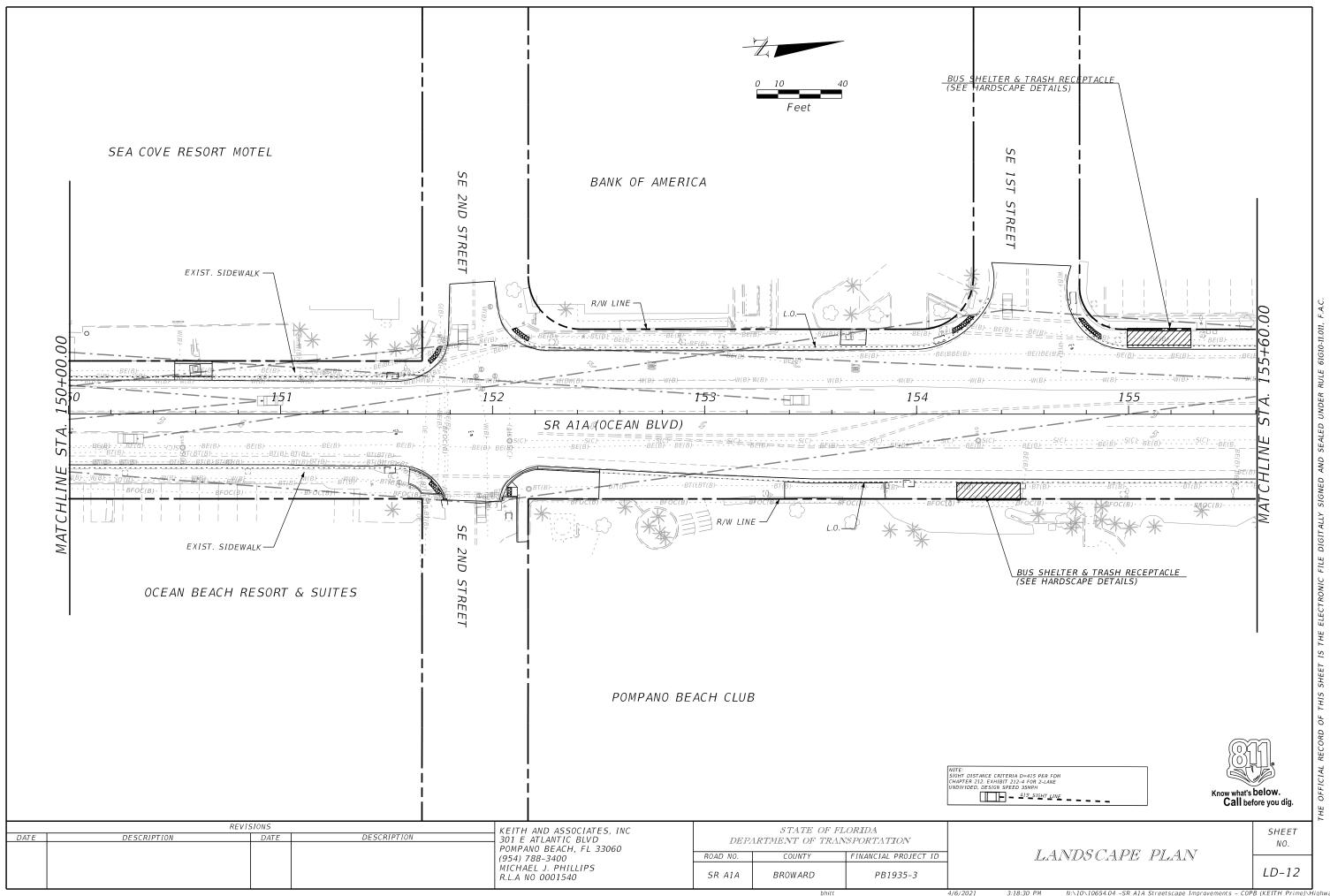


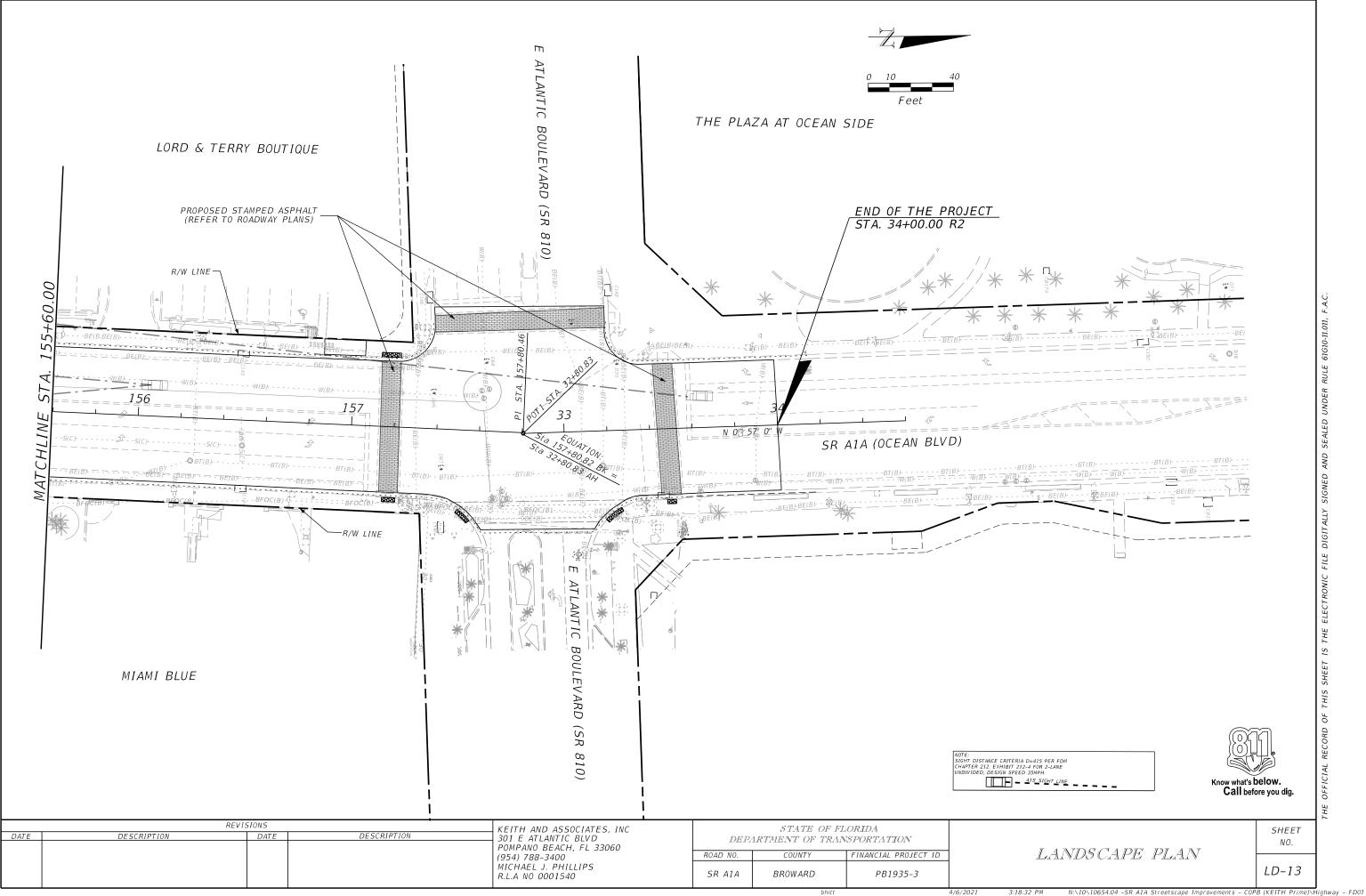


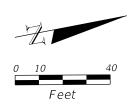


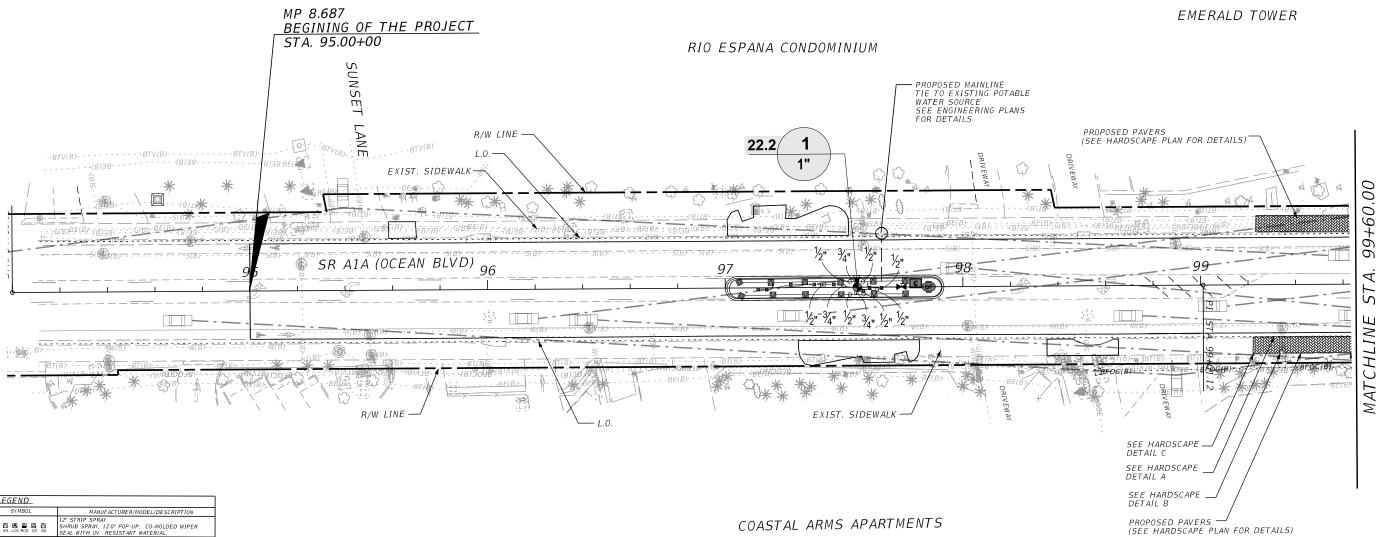












LEGEND	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
ES LCS RCS CS SS	12" STRIP SPRAY SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.
⊕	12" ADJUSTABLE ARC SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.
	ADJUSTABLE FLOW BUBBLER, 1/2" FIPT.
•	1" PLASTIC ELECTRIC REMOTE CONTROL VALVES.
BF	PRESSURE VACUUM BREAKER, BRASS WITH BALL VALVE SOV.
С	LEIT ENERGIZED IRRIGATION CONTROLLER
(RS)	SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE,
\bowtie	AMES BRASS GATE VALVE, SAME SIZE AS MAINLINE IN 6" SCH 40 PVC COLLAR EXTENSION AND VALVE BOX.

NOTE:
SIGHT DISTANCE CRITERIA D=415 PER FDM
CHAPTER 212. EXHIBIT 212-4 FDR 2-LANE
UNDIVIDED, DESIGN SPEED 35MPH

475_SIGHT_LINE

Know what's below.

Call before you dig.

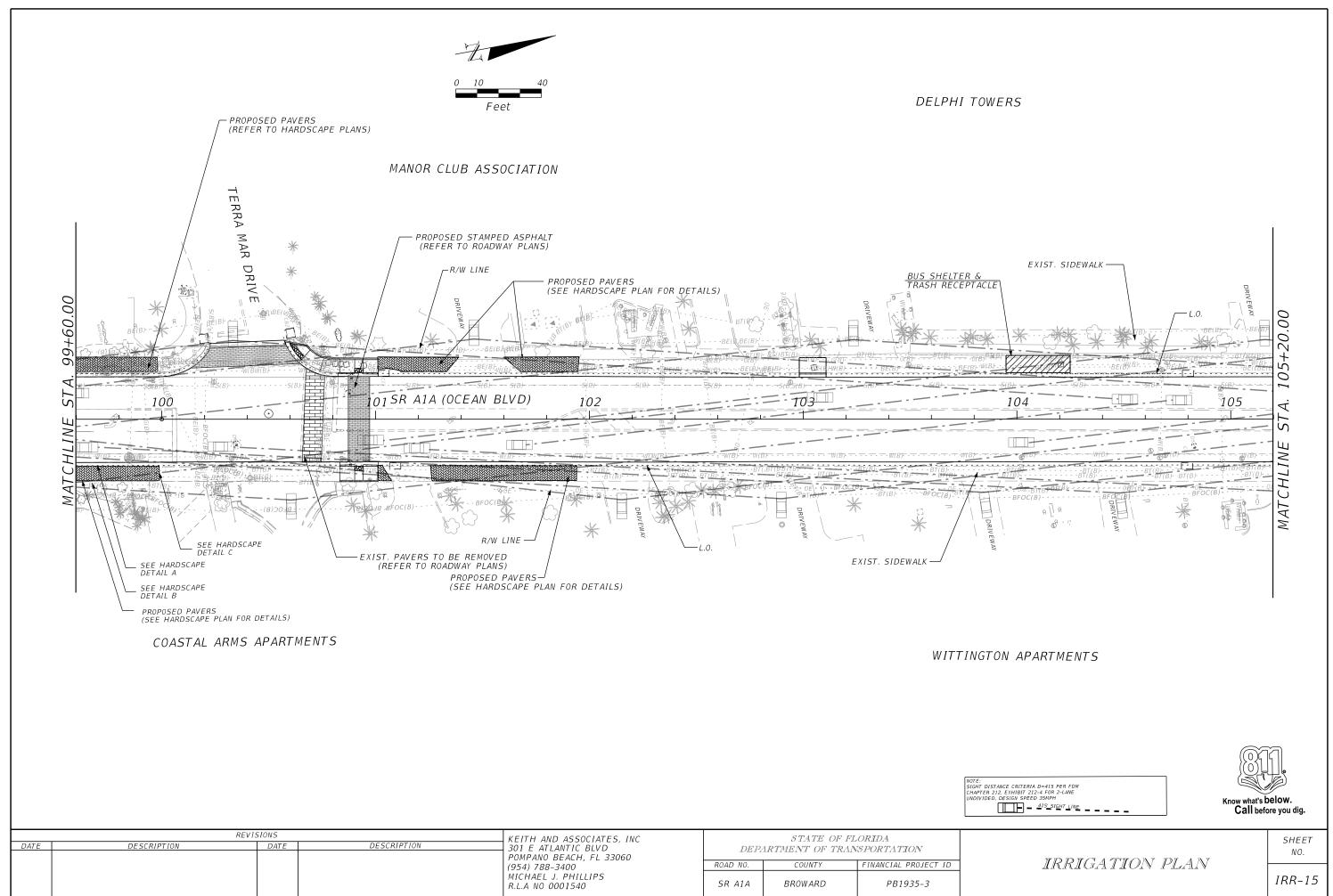
REVISIONS				KEITH AND ASSOCIATES, INC
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
SR A1A	BROWARD	PB1935-3	

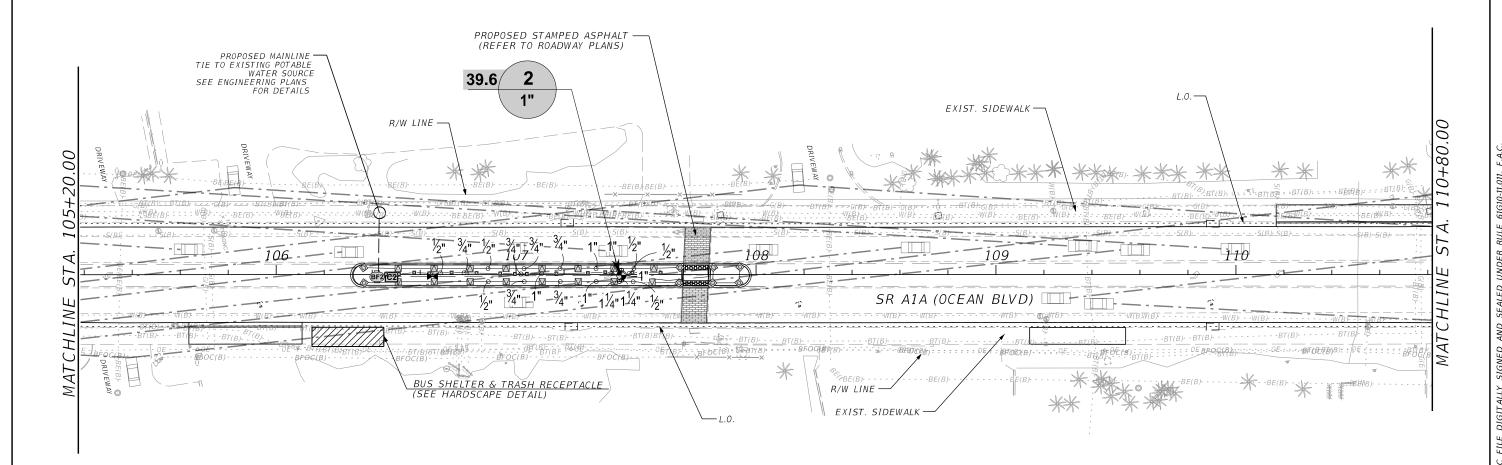
 $IRRIGATION\ PLAN$

SHEET NO.

IRR-14



FIVE STAR PREMIER RESIDENCES OF POMPANO BEACH



LEGEND			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
☑ ♣ ☑ ☑ ☑ ES LCS RCS CS SS	12" STRIP SPRAY SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.		
◎ ◎ ② ② ○ ● ③ 4 8 8 10 12 15 17	12" ADJUSTABLE ARC SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.		
	ADJUSTABLE FLOW BUBBLER, 1/2" FIPT.		
•	1" PLASTIC ELECTRIC REMOTE CONTROL VALVES.		
BF	PRESSURE VACUUM BREAKER, BRASS WITH BALL VALVE SOV.		
С	LEIT ENERGIZED IRRIGATION CONTROLLER		
(RS)	SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE,		
\bowtie	AMES BRASS GATE VALVE, SAME SIZE AS MAINLINE IN 6" SCH 40 PVC COLLAR EXTENSION AND VALVE BOX.		

NOTE: SIGHT DISTANCE CRITERIA D=415 PER FDM CHAPTER 212. EXHIBIT 212-4 FOR 2-LANE UNDIVIDED, DESIGN SPEED 35MPH

RENAISSANCE II

Know what's below.

Call before you dig.

REVISIONS KE				KEITH AND ASSOCIA			
	DE	SCRIPTION		DATE	DESCRIPTION		301 E ATLANTIC BL
							POMPANO BEACH, FL
							(954) 788-3400
							MICHAEL J. PHILLIP
							R I A NO 0001540

KEITH AND ASSOCIATES, INC.
301 E ATLANTIC BLVD
POMPANO BEACH, FL 33060
(954) 788-3400
MICHAEL J. PHILLIPS
KEITH AND ASSOCIATES, INC 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

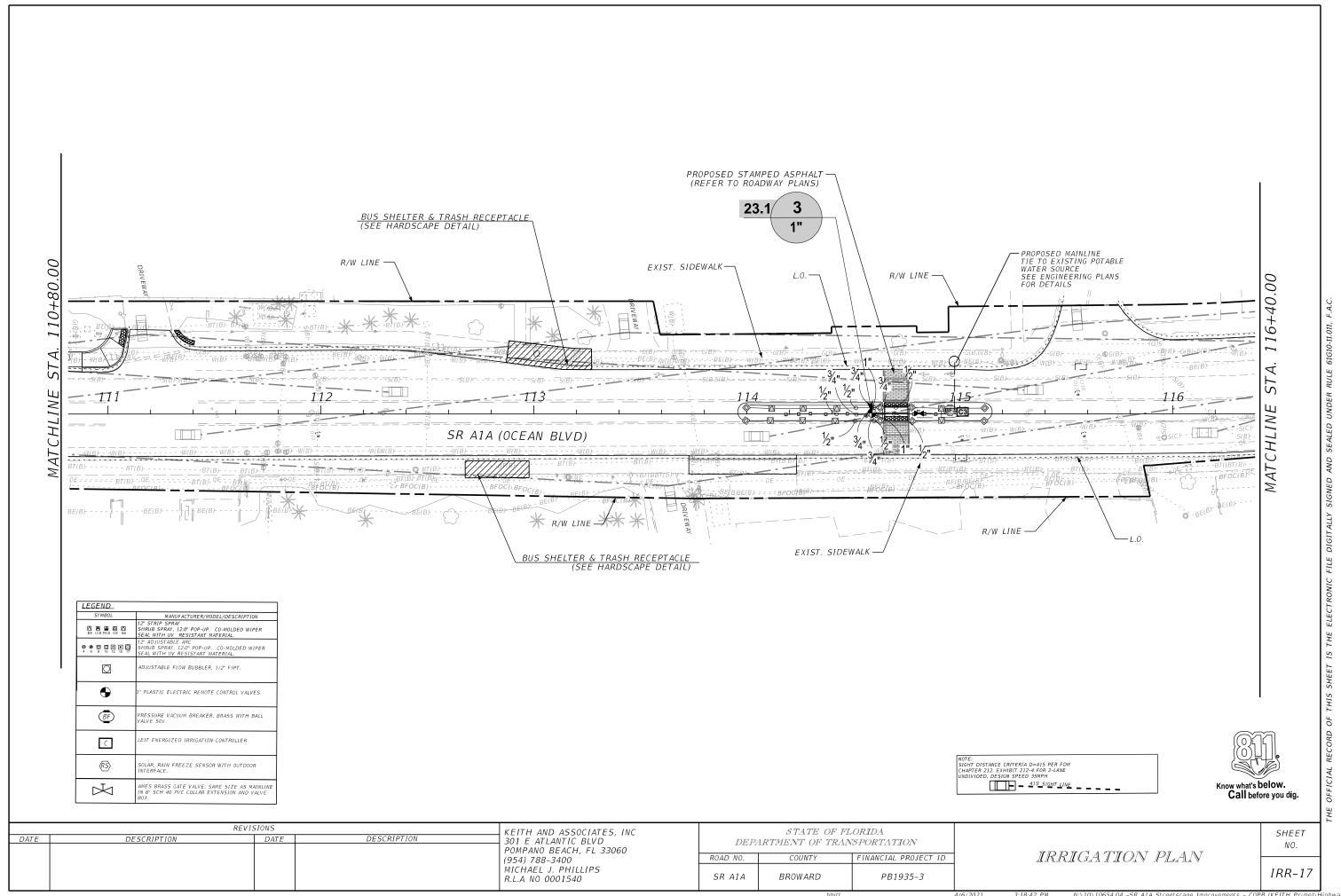
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
OAD NO. COUNTY		FINANCIAL PROJECT ID		
SR A1A	BROWARD	PB1935-3		

IRRIGATION PLAN

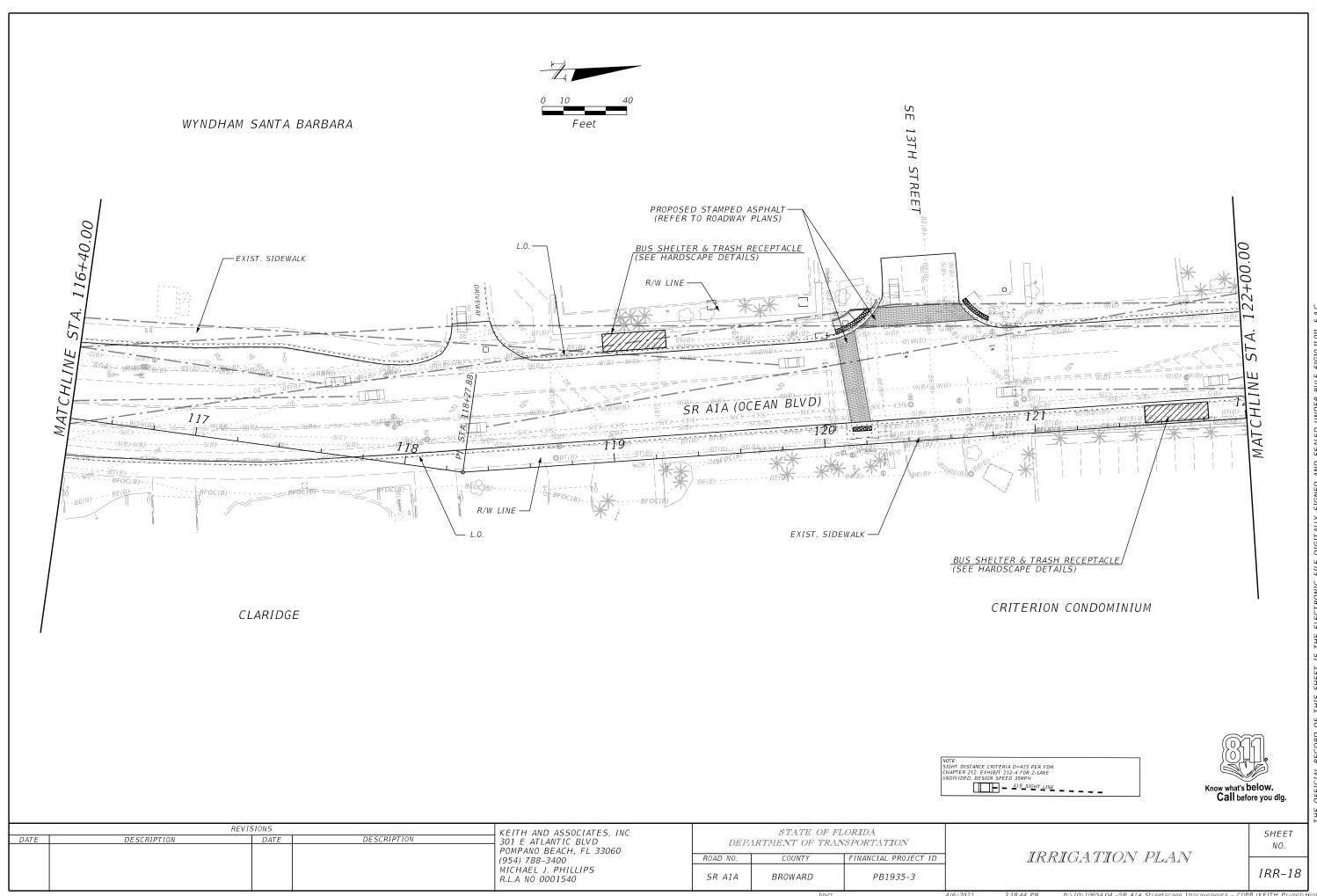
SHEET
NO.

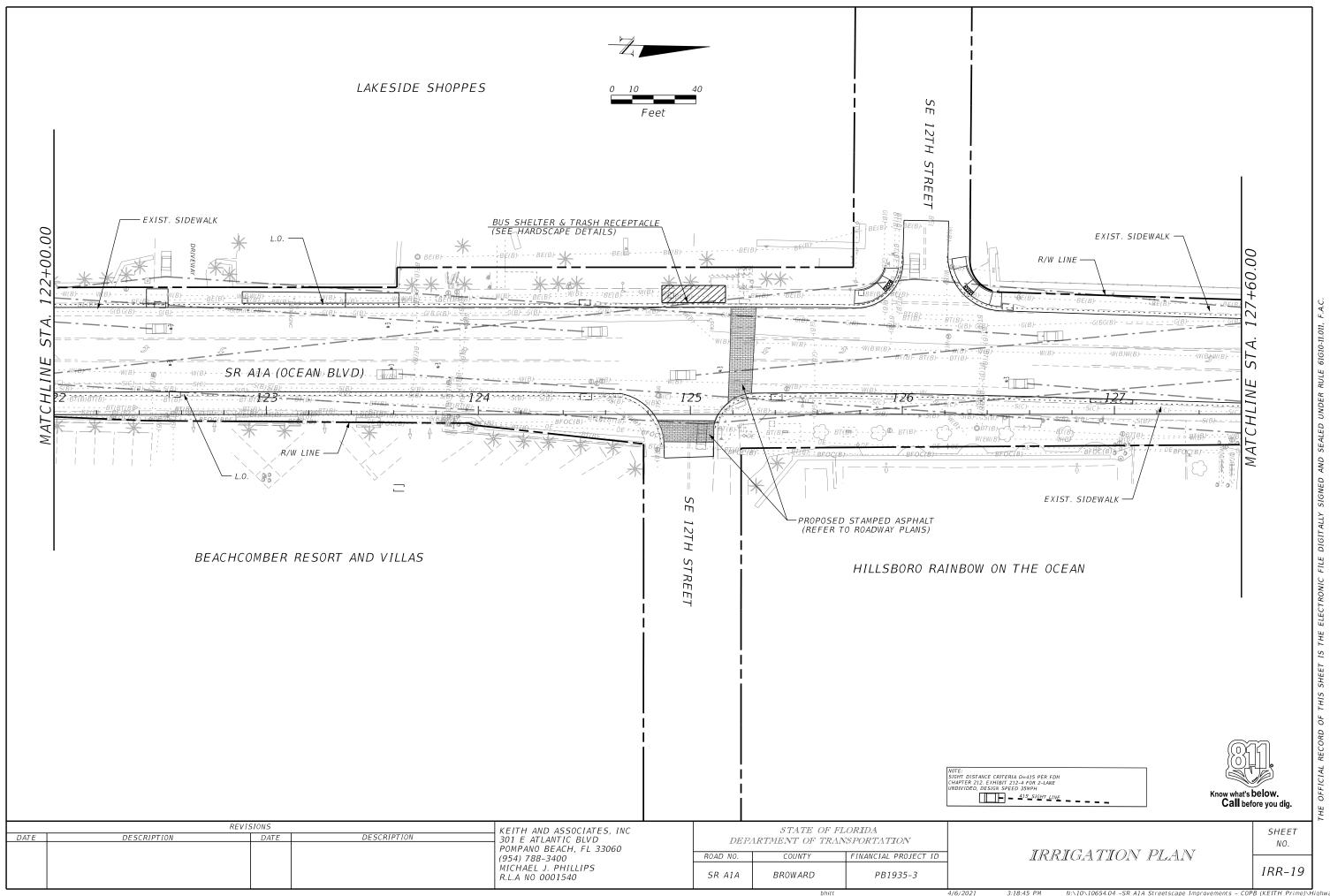
IRR-16

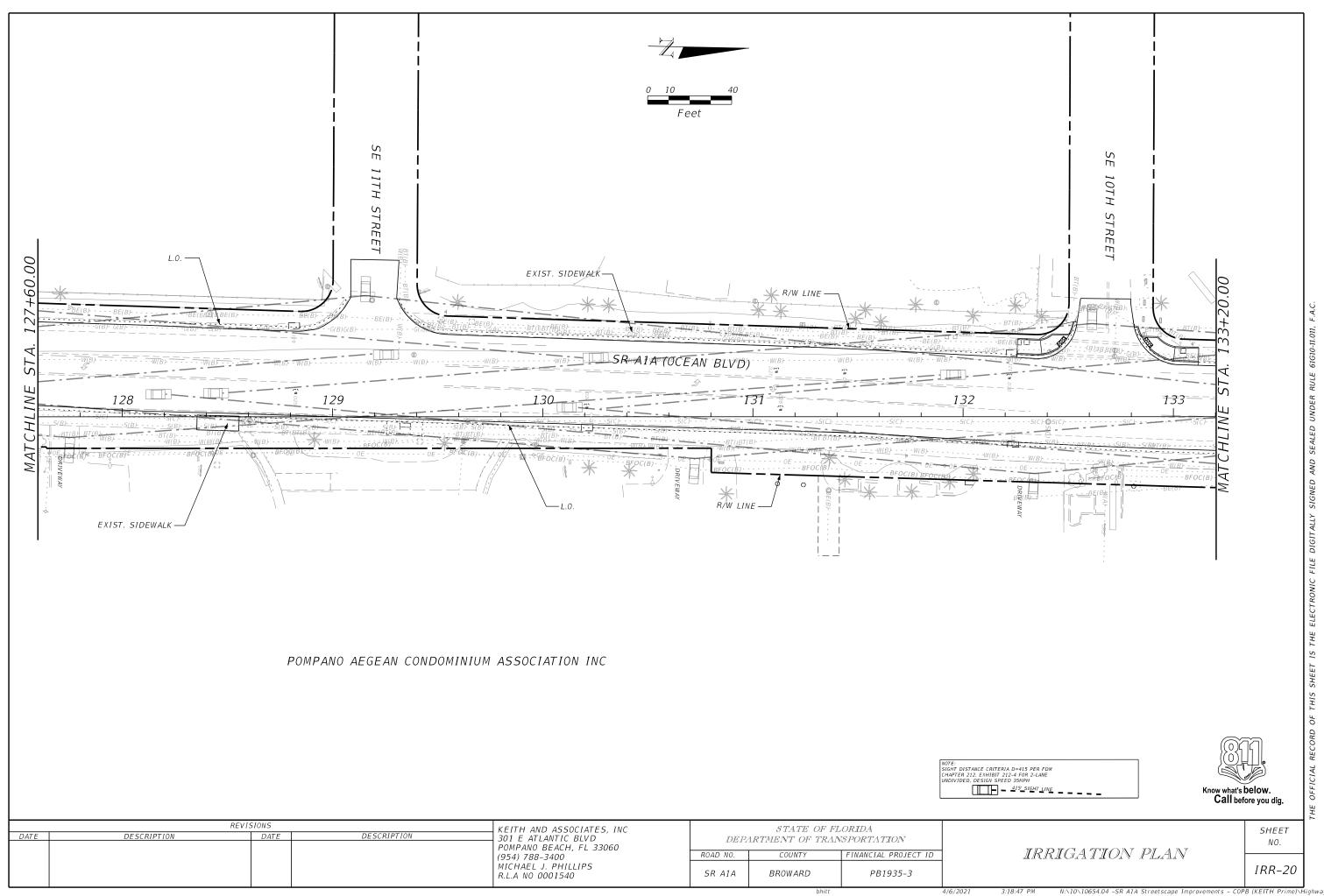
415' SIGHT LINE

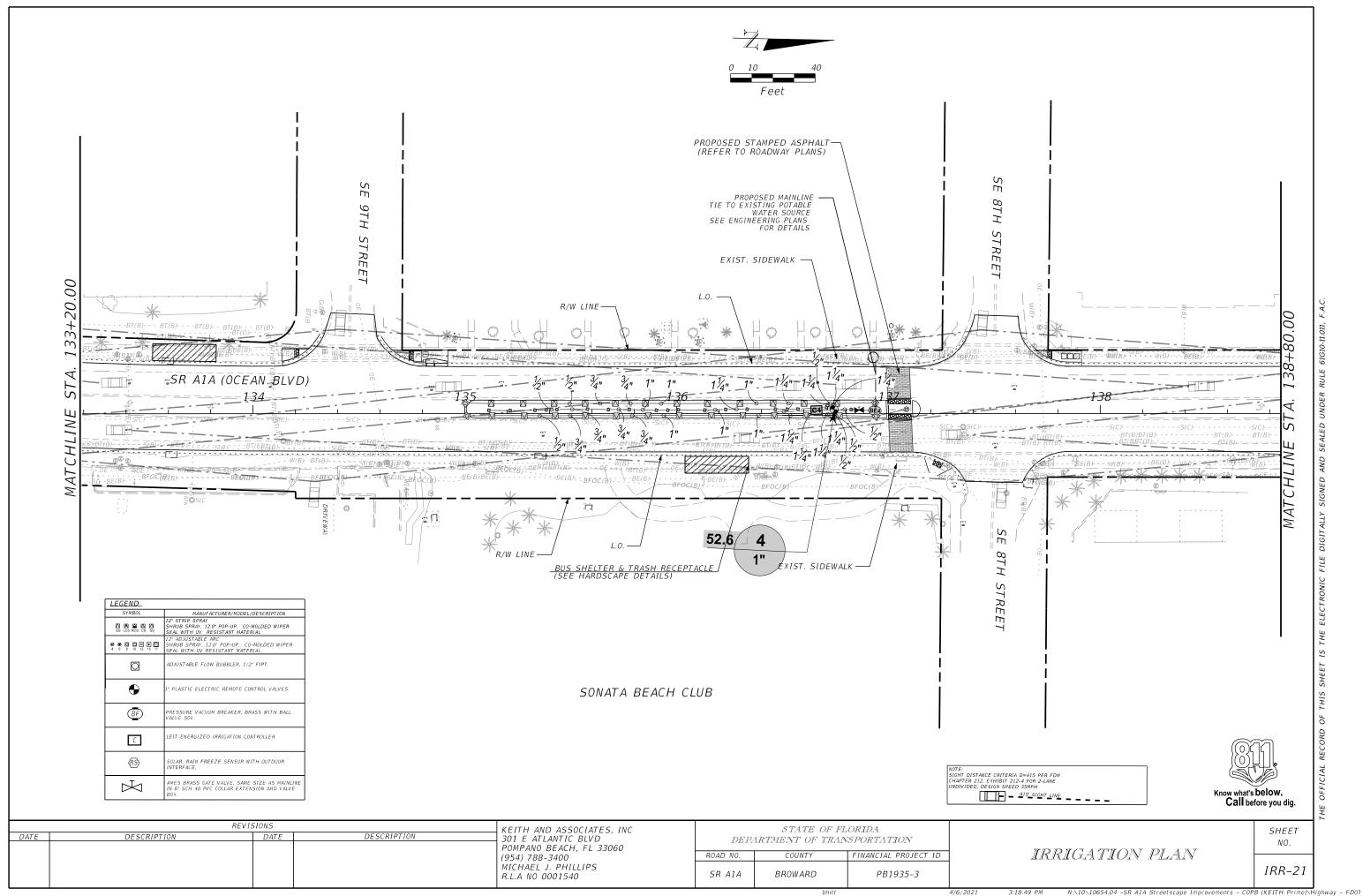


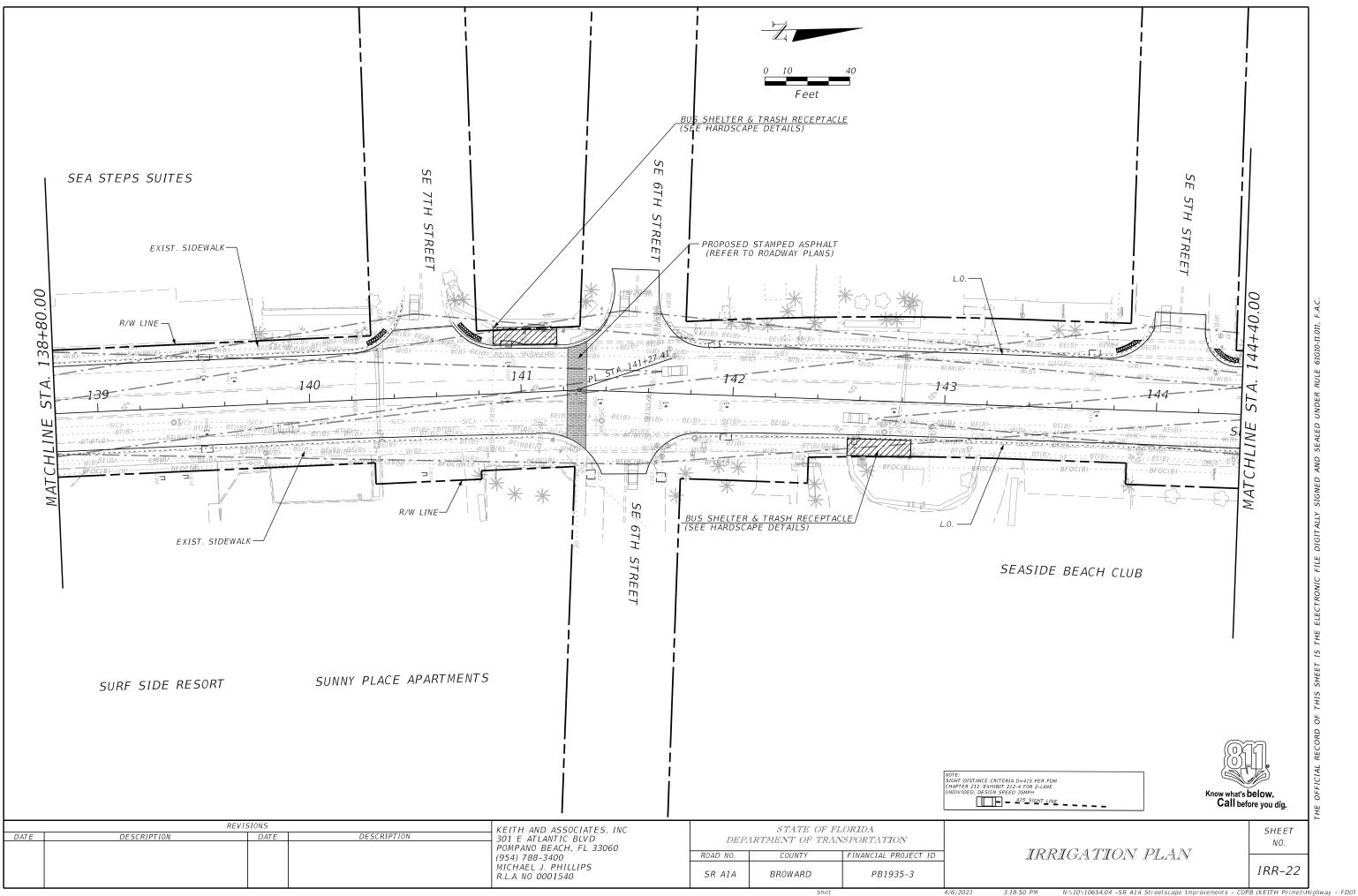
N:\10\10654.04 -SR A1A Streetscape Improvements - COPB (KEITH Prime)\Highway - FD01

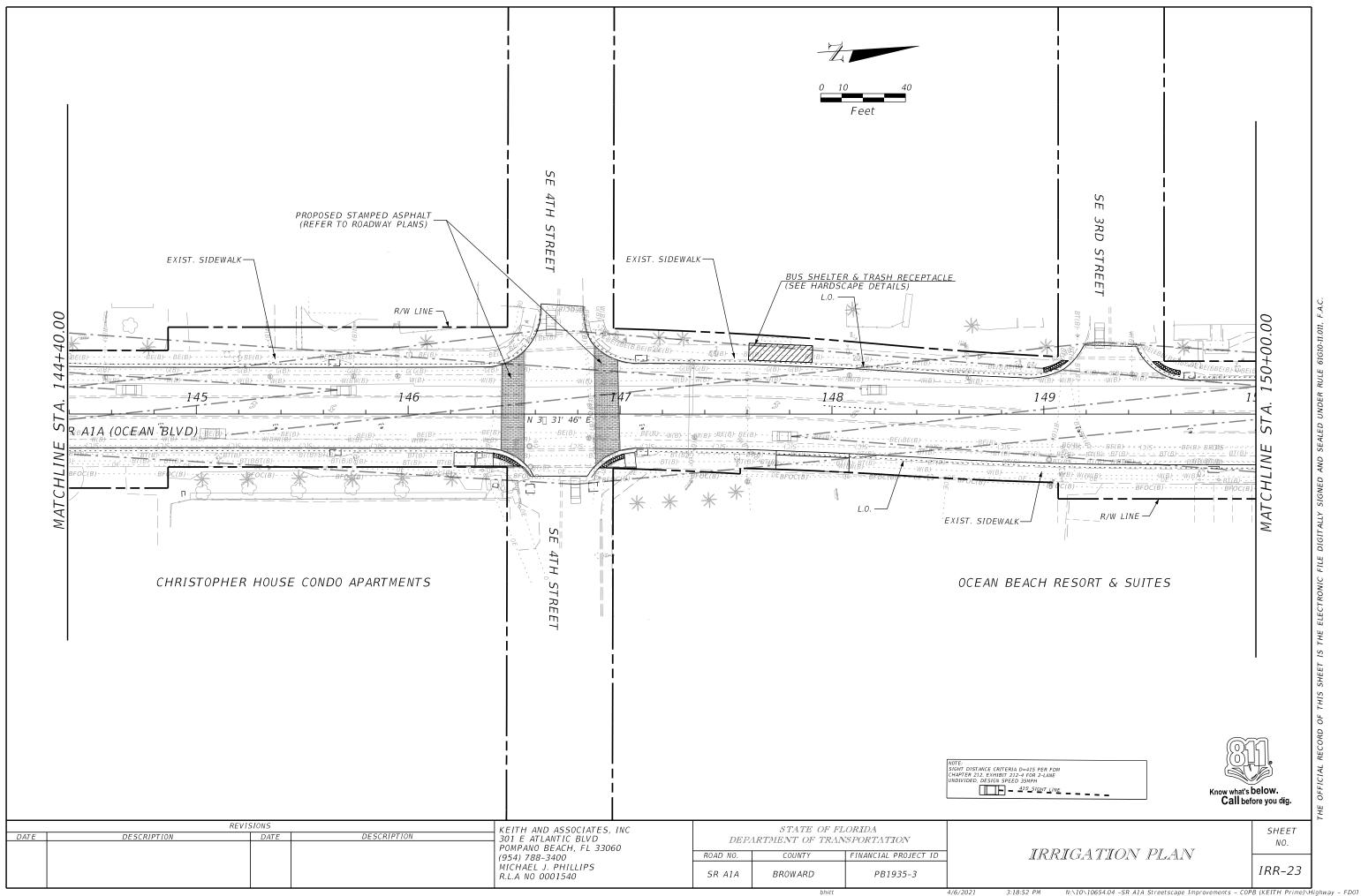


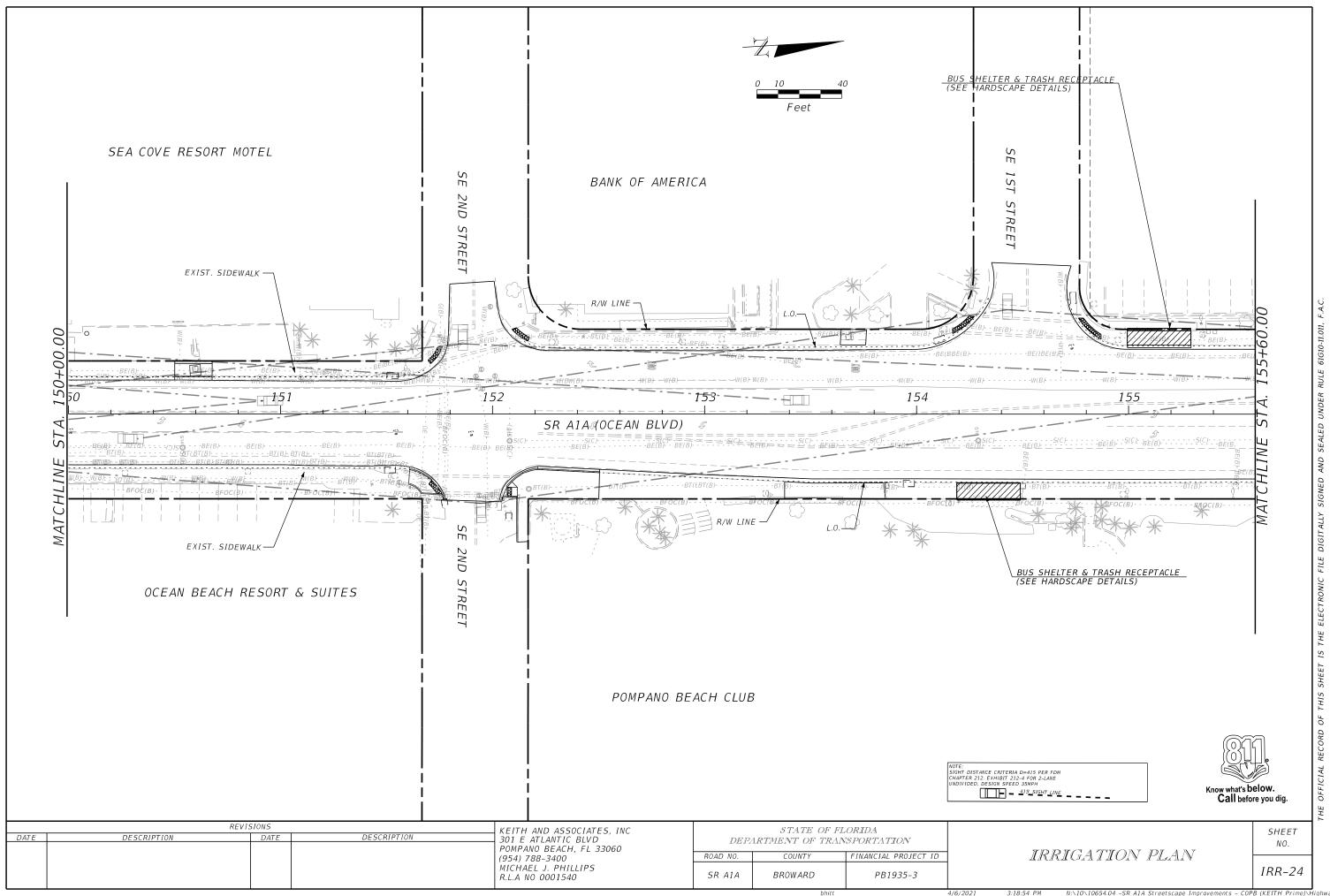


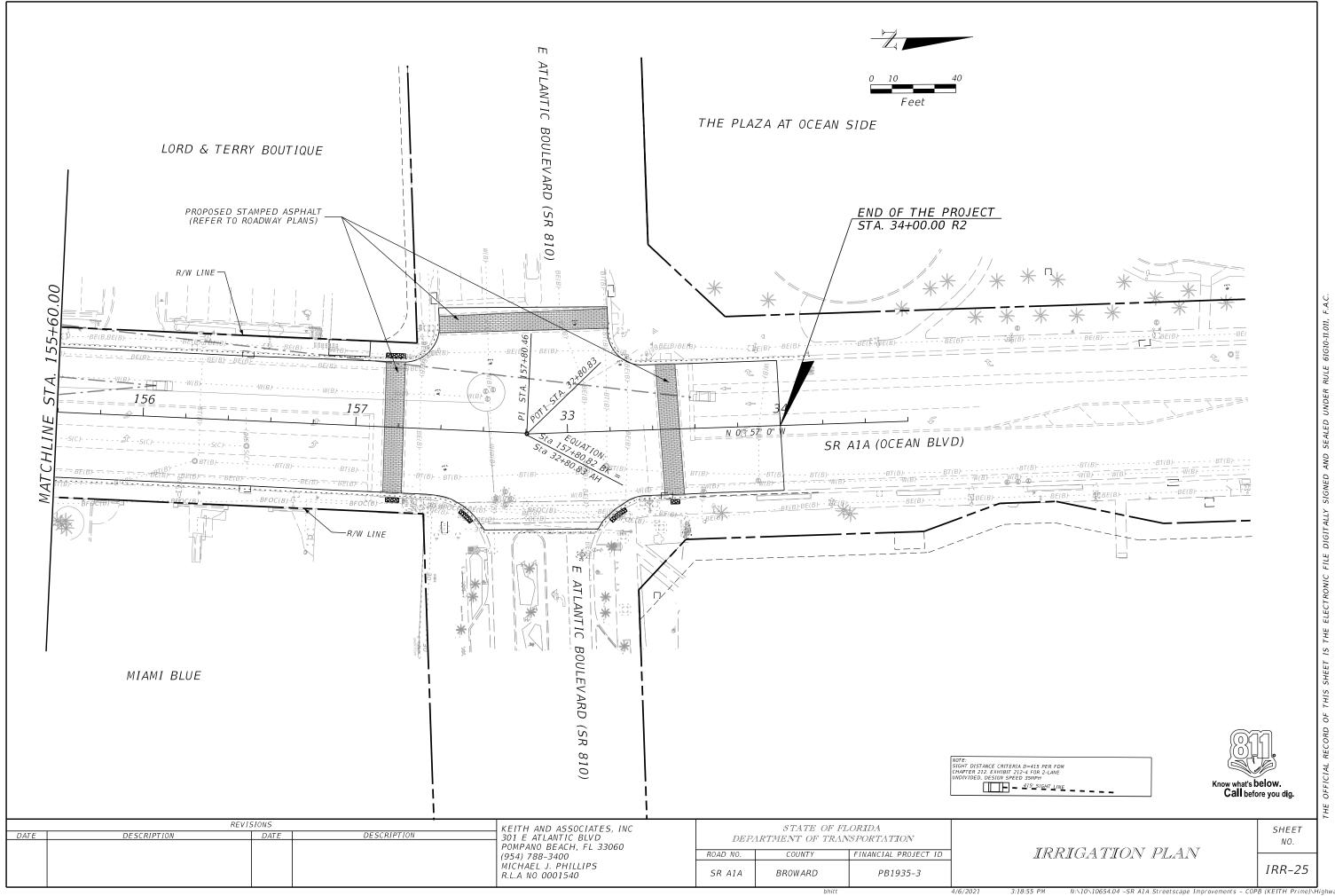


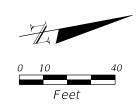


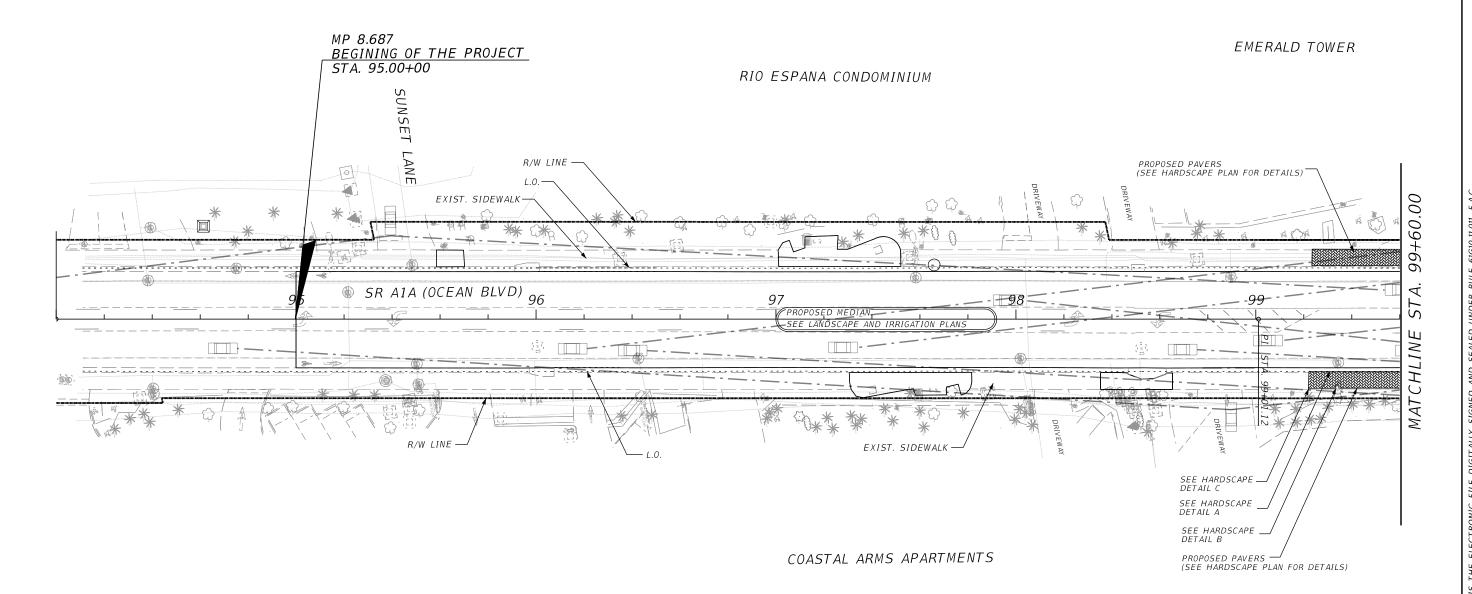












HARDSCAPE LEGEND	
SYMBOL	DESCRIPTION
	HARDSCAPE AREA (SEE DETAILS) PATTERNED PAVEMENT MALT COLOR

Know what's below.

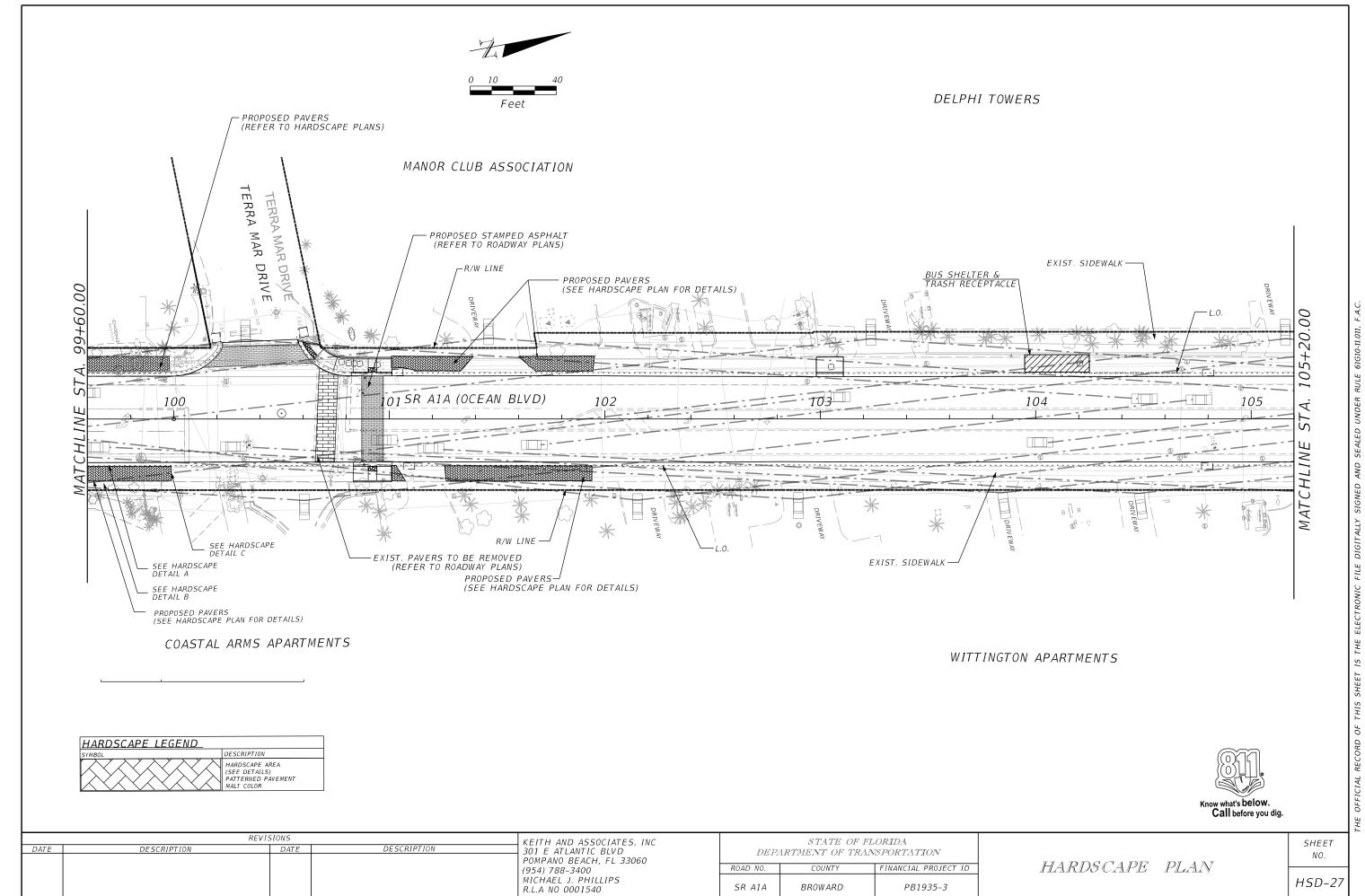
		REVISIONS		KEITH AND ASSOCIATES, INC
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060
				(954) 788-3400
				MICHAEL J. PHILLIPS
				R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
SR A1A	BROWARD	PB1935-3		

HARDS CAPE PLAN

SHEET NO.

HSD-26



			LANDSCAPE TABULA	<u>ATION OF QUANTI</u>	<u>TIES / PLANT SCHEDULE</u>					
PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINT'D SIZE	SPACIN G	REMARKS	UNIT	GRAND TOTAL PLAN FIN
 Trees										PLAN FIN
581-1-1	LARGE	PD	PHOENIX DACTYLIFERA `MEDJOOL`	DATE PALM	10° CT,		AS SHOWN	Full canopy	EA	1
581-1-1	LARGE	VA	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	14.5' CT,		SHOWN	Full canopy	EA	22
581-1-1	LARGE	VA	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	8' CT,		SHOWN	canopy	EA	9
581-1-1	LARGE	TR	THRINAX RADIATA	FLORIDA THATCH PALM	6` CT. MIN., FULL, MATCHED		AS SHOWN	Full canopy	EA	18
Shrubs							AS			
580-7-3	LARGE	AEC	AECHMEA BLANCHETIANA	ORANGE BROMELIAD	18" SPRD., FULL		SHOWN		EA	78
Shrub Areas										
580-7-46-3	LARGE	CAR	CARISSA MACROCARPA	DWARF NATAL PLUM	12" HT. X 16" SPRD.		16" O.C.		EA	1,572
580-7-61-1	LARGE	HEL	HELIANTHUS DEBILIS	DUNE SUNFLOWER	10" HT X 10" SPRD, 24" OC		24" O.C.		EA	126

PAY ITEM NO.	MANUFACTURER/MODEL/DESCRIPTION		PSI	GPM	GRAND TOTAL	
					PLAN	FINA
590-1 Landscape Irrigation System	12 5` STRIP SPRAY SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	SST	30	1.3	60	
	 12 ADJUSTABLE ARC SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	ADJ	30	1.5	1	
	12 ADJUSTABLE ARC SHRUB SPRAY, 12.0" POP-UP. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	ADJ	30	1.3	24	
	ADJUSTABLE FLOW BUBBLER, 1/2" FIPT, STAINLESS STEEL SCREW	ADJ	30	0.5	40	
	ICV-G 1"PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION				4	
	1" PRESSURE VACUUM BREAKER				1	
	1" PRESSURE VACUUM BREAKER				1	
	1" PRESSURE VACUUM BREAKER				1	
	LEIT ENERGIZED IRRIGATION CONTROLLER				4	
	 IRRIGATION LATERAL LINE: PVC SCHEDULE 40				1103.2	

	HARDSCAPE TABULATION OF QUANTITIES / PLANT SCHEDULE								
PAY ITEM NO.	PAY ITEM DESCRIPTION MANUFACTURER/MODEL/DESCRIPTION		COLOR	FINISH	GRAN TOTA				
					PLAN	FINAL			
751-35-11		LANDSCAPE FORMS KALEIDOSCOPE OS SHELTER - PLEXUS-II BACK SEATING IN BAY WITH ARMS	BRONZE	POWDERCOAT	13				
721-74-1	TRASH RECEPTACLE	LANDSCAPE FORMS - CHASE PARK LITTER - TOP OPENING 24" X 39"	BRONZE	POWDERCOAT	13				
	PAVERS	BELGARD - OCEANSIDE - 4 X 8"	MALT	STANDARD	1,975 SF				

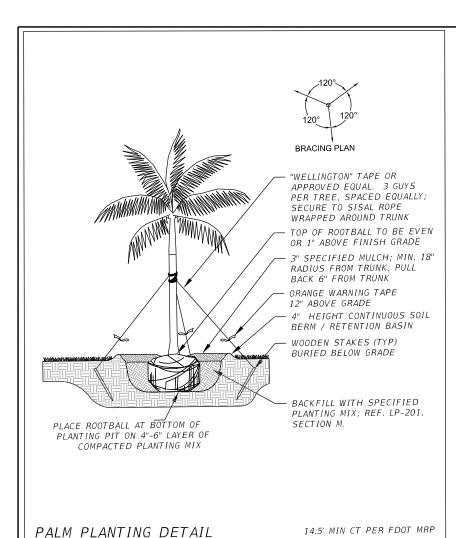
*NOTE: SITE FURNITURE PENDING APPROVAL FROM THE CITY. CONTRACT TO INSTALL SITE FURNITURE FOLLOWING MANUFACTURE GUIDELINES

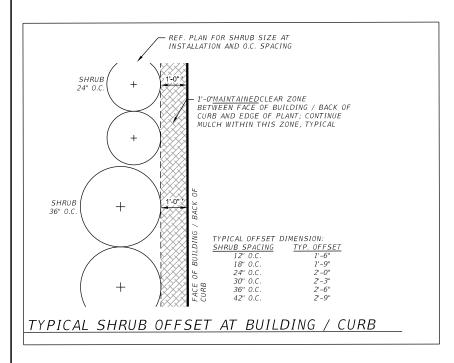
	REVIS	KEITH AND ASSOCIATES, INC		
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

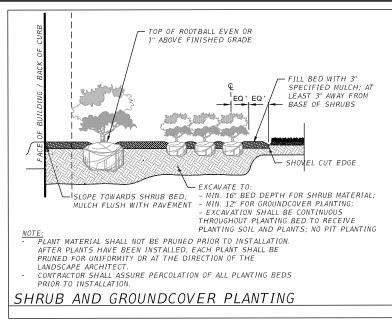
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
SR A1A	BROWARD	PB1935-3			

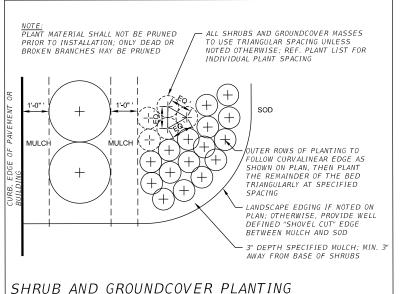
TABULATION OF QUANTITIES

SHEET T0Q-26









LANDSCAPE NOTES

A. SCOP

- 1. THE LOCATION OF PLANTS, AS SHOWN ON THE PLANS, IS APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS, TO COMPLY WITH SAFETY SETBACK CRITERIA, TO AVOID CREATING UNSAFE SIGHT CONDITIONS, OR AS OTHERWISE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT / OWNER IN WRITING. ALL OTHER LOCATION ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED IN ADVANCE IN WRITING BY THE LANDSCAPE ARCHITECT AND OWNER.
- CONTRACTOR UNDERSTANDS THAT AN IMPORTANT ELEMENT OF THE DESIGN OF THIS PROJECT IS MEETING LANDSCAPE ORDINANCES WITH A DESIGN FLARE THAT INCLUDES SYMMETRY, ALIGNMENT, FOCAL POINTS AND / OR SMOOTH CURVILINEAR FORMS WHERE APPLIED AND CONTRACTOR SHALL FOLLOW AND INSTRUCT THE WORKING CREWS ACCORDINGLY. IN THE EVENT OF ANY DOUBT AS TO HOW TO EXECUTE THE PLANS, CONTRACTOR SHALL IMMEDIATELY CONSULT WITH ARCHITECT AND/OR OWNER.
- B. LANDSCAPE CONTRACTOR SHALL FINE GRADE, PREPARE SITE AS OUTLINED IN THE FOLLOWING NOTES AND PER PLANS; FURNISH AND INSTALL ALL PLANTS, SHRUBS, TREES AND / OR PALMS MEETING MINIMUM REQUIREMENTS AND BRACE THEM PER DETAILS PROVIDED. FURNISH AND INSTALL SOIL, GRAVEL, BOULDERS, SOD AND MULCH AS SPECIFIED IN PLANS AND NOTES BELOW.
- 4. LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL ALL TREES, PALMS, SHRUBS, GROUNDCOVER, SOD, PLANTING SOIL, FERTILIZER, HERBICIDE, PRE-EMERGENCE HERBICIDE, SEED, AND MULCH.

BIDDING

- CONTRACTOR TO HAVE LIABILITY INSURANCE INCLUDING OWNER AND LANDSCAPER AS INSURED'S IN EXCESS OF \$10,000 AS WELL AS WORKER'S COMPENSATION.
- 2. CONTRACTORS AND SUBS MUST ENSURE THEY ARE DOING TAKE OFFS FROM BLDG DEP. REVISED SETS AND / OR BID SET DOCUMENTS. VERIFY WITH THIS OFFICE THAT YOU ARE BIDDING FROM LATEST AVAILABLE PLANS.
- 3. READ ALL NOTES AND TYPICAL PLANTING DETAILS SHEETS PRIOR TO SUBMITTING RFIS AND PRIOR TO BIDDING.
- 4. WHEN SUBMITTING AN RFI REFERENCE SHEET NUMBER, DETAIL NUMBER AND/OR NOTE CATEGORY AND NUMBER.
- 5. LANDSCAPE CONTRACTOR SHALL VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE DRAWINGS PRIOR TO SUBMITTING THEIR BID. PLANT LIST PRICING (IF SHOWN) IS FOR PERMITTING / MITIGATION COMPARISON PURPOSES ONLY, ANY PRICES SHOWN ARE TO BE DISREGARDED BY LANDSCAPE CONTRACTOR.
- 6. ALL PLANT MATERIAL SHALL MEET OR EXCEED HEIGHT AND SPREAD REQUIREMENT. HEIGHTS ARE LOCAL CODE REQUIREMENT AND / OR DESIGN INTENT RELATED AND ALWAYS GOVERNS OVER CONTAINER SIZE. CONTAINER SIZE GIVEN FOR REFERENCE ONLY AND MUST BE SIZED-UP TO MEET HEIGHT REQUIREMENTS OF PLANT LIST. PLANT MATERIAL AVAILABLE WITH EXCESSIVE HEIGHT BEYOND SPECIFICATIONS MUST BE CONSULTED WITH LANDSCAPE ARCHITECT FOR DESIGN INTENT.
- 7. ALL LANDSCAPE MATERIAL WAS CONFIRMED TO BE AVAILABLE AT TIME OF DESIGN. LANDSCAPE CONTRACTOR UNDERSTANDS THAT SOME MATERIAL MAY NOT BE AVAILABLE LOCALLY, HOWEVER IS AVAILABLE IN TRI-COUNTY REGION. PLANT MATERIAL SUPPLY IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR THAT IS AWARDED THE CONTRACT AND HE/SHE SHALL TAKE STEPS TO ENSURE AVAILABILITY AT THE TIME OF INSTALLATION. BRING TO THE ATTENTION OF LANDSCAPE ARCHITECT IF SPECIFIC MATERIAL IS NO LONGER AVAILABLE AT THE TIME OF BIDDING AND / OR PRIOR TO ACTUAL CONSTRUCTION. SUBSTITUTIONS MUST BE APPROVED PRIOR TO CONSTRUCTION.

. PRE-INSPECTIONS OF SITE REQUIRED PRIOR TO BIDDING.

- 9. THE PLANT LIST IS INTENDED ONLY AS AN AID TO BIDDING. ANY DISCREPANCIES FOUND BETWEEN THE QUANTITIES ON THE PLAN AND THE QUANTITIES ON THE PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHTIECT FOR CLARIFICATION.
- 10. ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO ENSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL FROM PLANT BEDS, IN ADDITION TO FINE GRADING AND MULCHING ALL PLANTBEDS AND INDIVIDUAL TREES SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

11. BID SHALL BE ITEMIZED FOR POSSIBLE VALUE ENGINEERING.

- 12. SOD AND ROCKS (IF SPECIFIED) SHALL BE ESTIMATED BY SCALING PLANS. INCLUDE PRICE PER SQUARE FOOT FOR SOD. ROCKS (INCLUDE PRICE PER TON). SMALL ROCKS AND GRAVEL BEDS SHALL HAVE LANDSCAPE FABRIC MATERIAL AND MINIMUM 4" DEPTH. BOULDERS TO BE BID BY UNIT.
- 13. ALL S.F. IF NOTED IS APPROXIMATE AND SHALL NOT BE CONSIDERED ALL INCLUSIVE; IT IS THE CONTRACTOR'S RESPONSIBILITY TO DO HIS OR HER TAKE OFF, SUBMIT PRICE PER S.F. AND IN THE END, SOD ALL AREAS THAT ARE NOT COVERED EITHER BY PLANTS, MULCH AND/OR ROCKS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE IN THE BID, THE REPAIR OF ANY EXISTING SOD WHICH MAY BE DAMAGED DURING CONSTRUCTION.
- 14. FINAL PAYMENT TO THE CONTRACTOR SHALL BE FOR ACTUAL PLANTS INSTALLED ON THE PROJECT.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR COSTS OF ALL PERMITS DESCRIBED IN BID WHETHER PERMIT COSTS ARE REIMBURSABLE BY OWNER OR INCLUDED IN BID. RESEARCH PERMIT STATUS AND RESEARCH ALL PERMITS AND ADDITIONAL DOCUMENTATION AND CERTIFICATIONS REQUIRED SUCH AS SEPARATE TREE REMOVAL PERMIT FOR EXAMPLE, AND CONSIDER PRIOR TO BIDDING.
- 16. GENERAL / LANDSCAPE CONTRACTOR SHALL LEAVE A 5% UNFORESEEN CONDITIONS ALLOWANCE SUCH AS FOR ADDITIONAL ROOT BARRIERS DETERMINED TO BE NEEDED ON SITE AND AS JOB PROGRESSES.

17. REFER TO SECTION T, WATERING, FOR SUPPLEMENTAL WATERING REQUIREMENT.

18. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES PRIOR TO BIDDING AND WITHIN 7 CALENDAR DAYS OF RECEIPT OF THESE PLANS SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF ANY AND ALL DISCREPANCIES. IN CASE OF DISCREPANCIES, PLANTING PLANS SHALL TAKE PRECEDENCE OVER PLANT LIST. NO SUBSTITUTIONS ARE TO BE MADE WITHOUT PRIOR CONSENT OF THE LANDSCAPE ARCHITECT.

	REVI	KEITH AND ASSOCIATES, INC		
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060 (954) 788-3400
				MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID

SR A1A BROWARD PB1935-3

NOTES AND DETAILS

SHEET NO.

- PLANTS GROWN IN CONTAINERS PRIOR TO INSTALLATION SHALL BE REMOVED FROM THEIR CONTAINERS BEFORE THEY ARE PLANTED IN THE GROUND AND HAVE CIRCLING ROOTS REMOVED. ALL SCREENING SHRUBS SHALL BE PLANTED FOR PROPER OPERATION OF EQUIPMENT BEING SCREENED AND/OR PER THE PURPOSES SHALL BE PLANTED WITH BRANCHES TOUCHING. ADJUST SPACING AS NECESSARY AND/OR PROVIDE ADDITIONAL PLANTS TO PROVIDE AN ADEQUATE SCREEN AS REQUIRED BY CODE. LEAVE ACCESS TO UTILITY OR CLEARANCE AS REQUIRED.
- ACLESS TO UTILITY OR CLEARANCE AS REQUIRED.
 ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES. CONTRACTOR SHALL
 COMPLY WITH FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS PERTAINING TO THE INSPECTION FOR 10. PLANT DISEASE AND INSECT INFESTATION.
- ALL IDEAS, DESIGNS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY AND ARE THE EXCLUSIVE PROPERTY OF KEITH AND ASSOCIATES AND MAY NOT BE DUPLICATED WITHOUT AUTHORIZATION OR USED FOR OTHER PROJECTS THAN THE INTENDED.
- THE LANDSCAPE CONTRACTOR SHALL EXERCISE CAUTION TO PROTECT ANY EXISTING SOD, ELECTRICAL AND IRRIGATION. ANY DAMAGE TO THE SOD, ELECTRICAL OR IRRIGATION SHALL BE REPLACED OR REPAIRED TO THE ORIGINAL STATE BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE
- TREE, PALM, ACCENT SHRUBS AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT / OWNER PRIOR TO PLANTING. LANDSCAPE CONTRACTOR ACKNOWLEDGES
 THAT MATERIAL PLANTED WITHOUT APPROVAL OF LOCATION MAY BE SUBJECT TO RELOCATION BY LANDSCAPE ARCHITECT TO MAINTAIN DESIGN INTENT IF NOT FOLLOWED PROPERLY
- ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION.
 IN AREAS WHERE ASPHALT IS REMOVED IN ORDER TO RECEIVE LANDSCAPE MATERIAL, THE LIME ROCK SUB-BASE MATERIAL MUST ALSO BE REMOVED AND REPLACED WITH APPROVED PLANTING SOIL MIX.
- 8. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR SENDING PHOTOGRAPHS TO THE LANDSCAPE ARCHITECT TO PRE-APPROVE ALL TREES, PALMS, AND SHRUBS PRIOR TO DELIVERY TO PROJECT SITE.

 9. LANDSCAPE CONTRACTOR SHALL COORDINATE HIS OR HER WORK WITH THAT OF THE IRRIGATION,
- LANDSCAPE LIGHTING, AND HARDSCAPE CONTRACTOR IF DIFFERENT.
- 10. THE LANDSCAPE CONTRACTOR SHALL TREAT PLANT AREAS WITH PRE-EMERGENCE HERBICIDE AFTER WEEDS AND GRASS HAVE BEEN REMOVED. LANDSCAPE CONTRACTOR SHALL WAIT 7 DAYS AFTER PRE-EMERGENCE TREATMENT PRIOR TO PLANTING.
- D. PERMITS & REGULATIONS
- CONTRACTORIS) MUST OBTAIN SEPARATE LANDSCAPE, IRRIGATION AND TREE RELOCATION/REMOVAL PERMITS FROM THE GOVERNING AUTHORITY PRIOR TO THE ISSUANCE OF THE FIRST BUILDING PERMIT FOR THE PROJECT
- LANDSCAPE CONTRACTOR TO CALL THE LOCAL LANDSCAPE INSPECTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO INSTALLATION IF REQUIRED.
- ALL MANDATORY REQUIREMENTS BY LOCAL LANDSCAPE DEPARTMENTS AND THEIR INSPECTORS SHALL GOVERN AND LANDSCAPE CONTRACTOR COMMITS BY ACCEPTING CONTRACT TO COMPLY PROMPTLY FOR BUILDER/OWNER TO OBTAIN C.O.
- E. TREE REMOVAL
- REMOVAL OF ANY TREES OR PALMS WILL REQUIRE A WRITTEN "TREE REMOVAL PERMIT" FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL. NON-NATIVE TREES CLASSIFIED AS "PROHIBITED" TREES MAY BE EXEMPT FROM THE PERMIT IF LISTED AS CATEGORY 1 BY FLORIDA EXOTIC PEST
- PLANT COUNCIL. CONFIRM WITH LOCAL MUNICIPALITY.

 I ANDSCAPE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL INVASIVE NUISANCE TREES SUCH AS BRAZILIAN PEPPER, MELALEUCA, AUSTRALIAN PINE AND ALL INVASIVE TREES AS CATEGORIZED BY THE GOVERNING AGENCIES, WHETHER LISTED ON PLANS OR NOT. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATING TREE AND PALM REMOVALS AND
- TRANSPLANTS SHOWN ON THE TREE/PALM DISPOSITION PLAN. THE LANDSCAPE CONTRACTOR IS TO REMOVE AND DISCARD FROM SITE EXISTING UNWANTED TREES, PALMS, SHRUBS, GROUND COVERS, SOD AND WEEDS WITHIN LANDSCAPE AREAS.
- 1. EXISTING TREES DESIGNATED TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES.
 ANY TREES OR SHRUBS DESIGNATED TO REMAIN THAT ARE SCARRED OR DESTROYED WILL BE REPLACED 16. AT THE CONTRACTOR'S EXPENSE, PER THE APPRAISED VALUE.
- 2. EXISTING PLANT MATERIAL NOT SHOWN ON THE PLAN AND IN CONFLICT WITH NEW PLANTING SHALL BE EVALUATED AT THE TIME OF NEW PLANTING INSTALLATION BY THE LANDSCAPE ARCHITECT. TREES AND PLANT MATERIAL INDICATED TO BE RELOCATED WITH NO NEW LOCATION PROVIDED IN PLANS SHALL BE MOVED TO A LOCATION ON SITE DESIGNATED AS A NURSERY HOLDING AREA WITH THE ROOT BALL PROTECTED FROM DIRECT SUNLIGHT, MAINTAINED AND IRRIGATED UNTIL NEW LOCATION IS DETERMINED. PRUNE TREES TO REMOVE DAMAGED BRANCHES AND IMPROVE NATURAL SHAPE AND THIN OUT
- STRUCTURE. DO NOT REMOVE MORE THAN 15% OF BRANCHES. DO NOT PRUNE BACK TERMINAL LEADER.
 4. PRUNE EXISTING SHRUBS TO REMOVE DAMAGED BRANCHES AND IMPROVE NATURAL SHAPE.
 5. EXISTING TREES TO REMAIN SHALL BE TRIMMED PER ANSI-A300 STANDARDS. SUPERVISION OF THE
- TRIMMING SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST TO ENSURE QUALITY WORK.

 6. ALL EXISTING TREES SHALL BE "LIFTED AND THINNED" TO PROVIDE AN 8" MINIMUM CLEARANCE FOR SIDEWALKS AND PEDESTRIAN WALKWAYS AND A 14" MINIMUM CLEARANCE FOR ROADWAYS, DRIVEWAYS AND ALL VEHICULAR USE AREAS.
- 7. SELECTIVE CANOPY AND ROOT PRUNING OF EXISTING TREES CAN BE CONDUCTED (ONLY AS NECESSARY AND IN NO EVENT

- MORE THAN 35%) TO ACCOMMODATE FOR NEW APPROVED CONSTRUCTION. PRUNING SHALL BE CONDUCTED / SUPERVISED BY AN ISA ARBORIST
- IF PLANS CALL FOR RELOCATION OF TREES, PALMS OR PLANTS. HIGH LEVEL OF CARE SHOULD BE EXERCISED TO ASSURE THAT THEY ARE NOT DAMAGED IN THE PROCESS AND THAT THEY ARE PROMPTLY REPLANTED UPON BEING DUG UP
- ALL UNDERGROUND UTILITIES AND DRAIN OR IRRIGATION LINES SHALL BE ROUTED OUTSIDE THE TREE PROTECTION ZONE. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
- EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE
- ROOTS SHALL BE CUT MANUALLY BY DIGGING A TRENCH AND CUTTING EXPOSED ROOTS WITH A SAW, VIBRATING KNIFE. ROCK SAW. NARROW TRENCHER WITH SHARP BLADES, OR OTHER APPROVED ROOT PRUNING EQUIPMENT
- TREE RELOCATION (THESE NOTES FOR RELOCATION TREES ONLY AND IF APPLICABLE)
- FLAG ALL TREES AND PALMS TO BE TRANSPLANTED WITH DIFFERENTIATING COLOR THAN THOSE TO BE SAVED OR REMOVED.
- TREE RELOCATION PROCESS MUST BE PERFORMED OR SUPERVISED BY ISA CERTIFIED ARBORIST WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING. AT A MINIMUM SOAK THE SOIL TO A 4'-0" DEPTH WITHIN A 6' RADIUS. ROOT PRUNE A MINIMUM OF SIX WEEKS BEFORE RELOCATION. PRUNE AWAY ALL DEAD OR DAMAGED LIMBS OR
- FRONDS. FOR TREES, PRUNE OUT 1/3 OF THE EXISTING CANOPY BY SELECTIVELY TRIMMING SMALL INTERNAL BRANCHES. FOR PALMS, GATHER FRONDS ABOVE THE BUD AND TIE THEM LOOSELY WITH JUTE TWINE TO AVOID DAMAGE
- BRACE ROOT PRUNED TREES AWAITING RELOCATION.
- Root prune $\frac{1}{3}$ RD OF THE ROOT SYSTEM, IRRIGATE DAILY FOR 2 WEEKS THEN ROOT PRUNE ANOTHER
- RD, IRRIGATE DAILY AND PRUNE LAST ACTUAL RELOCATION DATE, NO LESS THAN TWO WEEKS (SIX WEEKS TOTAL MINIMUM ROOT PRUNING BY STAGES). ISA ARBORIST ON STAFF SHALL OBSERVE FOR INTENSE SHOCK. CANOPY PRINING MAY BE DEEMED NECESSARY BY ARBORIST ON STAFF TO BALANCE FOR INTENSE ROOT BALL LOSS, CANOPY SHALL BE TRIMMED ONLY AS NECESSARY TO INCREASE SURVIVAL.
- ROOT PRUNE WITH PROPER CLEAN EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART.
- WITH HAND TOOLS, DIG A 2'-O" WIDE BY 3'-O" DEEP TRENCH AT A MINIMUM DISTANCE AS DETERMINED BY THE CONSULTING ARBORIST TO EXPOSE ROOTS. CUT ALL ROOTS 1.5" AND LARGER IN DIAMETER WITH A CLEAN, SHARP PRUNING SAW. TREAT ALL CUTS WITH A FUNGICIDAL BARRIER. BACKFILL THE TRENCH, WITHIN 4 HOURS OF DIGGING, WITH A 1:1 MIXTURE OF SITE SOIL AND SAWDUST OR OTHER FINE ORGANIC MATERIAL. DO NOT COMPACT.
- FORM A ROOTBALL SIZE IN COMPLIANCE WITH FLORIDA GRADES AND FLORIDA STANDARDS NUMBER 1 OR BETTER.
- MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE SIX WEEKS.
- ALLOW THE PLANT TO REGENERATE ROOTS OVER A PERIOD OF SIX WEEKS. AT THE END OF SIX WEEKS, PREPARE THE PLANTING PIT AT THE NEW LOCATION. OVERDIG THE HOLE 11.
- DIAMETER A MINIMUM OF 2' BEYOND THE ROOT BALL, WITH THE RECIPIENT HOLE TO BE AT LEAST 1/3 LARGER THAN THE AREA THAT WAS TRENCHED FOR TRANSPLANTING. WITH THE CONSULTING ARBORIST PRESENT, UNDERCUT THE ENTIRE ROOT BALL OF THE PLANTS TO BE
- TRANSPLANTED AT A DEPTH SPECIFIED BY THE ARBORIST. THE UNDERCUTTING METHOD MAY BE A CHOKER CABLE DRAWN THROUGH THE ROOT BALL WITH HEAVY EQUIPMENT.
- AT THE DIRECTION OF A PROFESSIONAL RIGGER, ASSEMBLE SLINGS, PADDING, GUIDING ROPES AND CABLES FOR ATTACHMENT TO THE CRANE OR BACKHOE. THE PROFESSIONAL RIGGER SHALL DETERMINE THE SIZE OF MACHINERY NECESSARY TO EXECUTE THE LIFTING AND MOVING OPERATION.

 INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO LOCATIONS
- PROVIDED BY LANDSCAPE ARCHITECT OR DEVELOPER WITH APPROVAL OF MUNICIPAL / LANDSCAPE INSPECTOR.
- EXPERIENCED TREE SPADE OPERATOR SHALL MOVE TREE OR EXPERIENCED TREE MOVER SHALL CHOOSE BEST MEANS AND METHODS TO STRAP AND RIG TREE FOR TRANSPORTING SAFELY WITHOUT DAMAGE TO NEW LOCATION.
- MAINTAIN TREES IN A HEALTHY AND VIGOROUS CONDITION DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD. REPLACE TREES THAT DO NOT MEET THIS REQUIREMENT WITH THE SAME SPECIES, SIZE, AND QUALITY OR PER MITIGATION REQUIREMENTS SPECIFIC TO THE GOVERNING AUTHORITY WITH JURISDICTION.
- FERTILIZE THE PLANT AS DIRECTED BY THE CONSULTING ARBORIST.
- WHEN THE PLANT IS PLACED IN THE NEW LOCATION, BACKFILL THE PLANTING PIT WITH TOPSOIL AND WATER THOROUGHLY TO ELIMINATE AIR POCKETS AND COMPACT THE SOIL. SET THE TREE NO DEEPER THAN ITS ORIGINAL CONDITION
- COVER THE ROOT BALL AREA WITH 3" DEPTH OF ORGANIC MULCH.
 PROVIDE FUNGICIDE AND FERTILITY APPLICATIONS AT THE DIRECTION OF THE CONSULTING ARBORIST.
- POST TRANSPLANT WATERING TO PROVIDE MOISTURE AND REDUCE ANY EXCESSIVE STRESS DUE TO ROOT DESICCATION. WATERING TO BE ADJUSTED ACCORDING TO CONDITIONS AND AT THE SUPERVISION AND DIRECTION OF THE ISA CERTIFIED ARBORIST.
- THE DIAMETER OF THE ROOT--PRUNING OR TRANSPLANTING CIRCLE SHALL BE AT A DISTANCE AWAY FROM THE TRUNK EQUAL TO 12 TIMES EACH INCH OF TRUNK DIAMETER AT BREAST HEIGHT. FOR ALL PALMS EXCEPT SABAL PALMETTO, THE LOWER FRONDS SHALL BE PRUNED LEAVING 9-11
- FRONDS THAT CAN BE TIED WITHOUT AN EXTENSIVE AMOUNT OF WEIGHT THAT MAY DAMAGE THE HEART OF THE PALM. THE SABAL PALMETTO SHALL HAVE ALL FRONDS CUT WITHOUT DAMAGING THE

- TRANSPLANTING MUST OCCUR WITHIN 24 HOURS AFTER BEING DUG FOR RELOCATION. TREES/PALMS 24. SHOULD BE KEPT IN SHADE AND THE CANOPY KEPT MOIST.
- DIGGING AND PREPARATION OF THE NEW HOLE FOR THE TRANSPLANT SHALL BE DONE PRIOR TO 25. REMOVING THE TREE FROM THE EXISTING LOCATION.
- THE LANDSCAPE CONTRACTOR IS TO VERIFY THAT ALL NEW HOLES HAVE APPROPRIATE PERCOLATION.
- PADDING THE SLING MAY BE NECESSARY SO THAT THE TRUNK OR "BOOTS" ARE NOT DAMAGED.
- A 6" SAUCER SHALL BE CREATED AROUND THE EDGE OF THE PLANT PIT TO HELP HOLD WATER, SEE 28. PLANTING DETAIL FOR ADDITIONAL INFORMATION.
- OVER THE GUARANTEE PERIOD THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ANY TREES OR PALMS THAT ARE NOT VERTICAL WHEN CAUSED BY WINDS LESS THAN 74 MPH.
- AFTER TRANSPLANTING TREES AND PALMS, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER AND WATERING TO MAINTAIN SOIL MOISTURE DURING THE GUARANTEE PERIOD AT A MINIMUM OF: FIRST MONTH- DAILY, SECOND MONTH - THREE TIMES PER WEEK, THIRD AND FOURTH MONTHS - TWO TIMES PER WEEK, LAST EIGHT MONTHS - ONE TIME PER WEEK.
- FOR TREES OVER 4" IN CALIPER AT THE TIME OF PLANTING, THE SCHEDULE SHOULD BE: FIRST SIX WEEKS, DAILY, ONE AND A HALF MONTHS TO SIX MONTHS - THREE TIMES PER WEEK, LAST SIX MONTHS - ONE TIME PER WEEK.

SITE PREPARATION & GRADING

- LANDSCAPE CONTRACTOR SHALL LOOSEN AND TILL COMPACTED SOILS THAT ARE OVERLY COMPACTED IN ALL PLANTING AREAS OF THE PROJECT TO PROVIDE FOR PROPER SOIL AERATION FOR PLANT **FSTABLISHMENT**
- PLANTED AREAS SHALL BE CLEARED OF UNDERGROUND ROCKS, CONSTRUCTION DEBRIS AND OTHER MATERIALS DETRIMENTAL TO THE HEALTH OF THE PLANTS. LIME ROCK BASE MATERIAL SHALL BE REMOVED WITHIN PLANTING PITS AND ADJACENT TO PAVEMENT. THE PLANTING AREAS SHOULD BE CLEAN TO A DEPTH EQUAL TO THE ROOT BALL OF THE TREES/PALMS PROPOSED FOR THE AREA. PLANTING AREA SOILS SHALL BE TESTED FOR PH BEFORE PLANTING. SOILS SHOWING HIGH (ALKALINE) PH (OVER 7.5) SHALL BE AMENDED OR REPLACED WITH NATIVE SOIL HAVING A PH RANGE OF 6.5 -7.5, AS APPROVED BY LANDSCAPE ARCHITECT. IN THE EVENT THAT NATIVE SOILS ARE UNSUITABLE,
- ALL PLANTING AREAS AND PLANTING PITS SHALL BE TESTED FOR SUFFICIENT PERCOLATION PRIOR TO FINAL PLANTING AND IRRIGATION INSTALLATION TO ENSURE PROPER DRAINAGE. PLANT BEDS IN PARKING LOTS AND IN AREAS COMPACTED BY HEAVY EQUIPMENT SHALL BE DE-COMPACTED SO THAT DRAINAGE IS NOT IMPEDED.
- LANDSCAPE CONTRACTOR SHALL TREAT PLANT AREAS WITH PRE-EMERGENCE HERBICIDE AFTER WEEDS AND GRASS HAVE BEEN REMOVED. LANDSCAPE CONTRACTOR SHALL WAIT (7) SEVEN DAYS AFTER PRE-EMERGENCE TREATMENT PRIOR TO PLANTING.
- SITE PREPARATION SHALL INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS, CLEAN-UP OF ANY DEAD MATERIAL, DEBRIS, AND RUBBISH.
- GENERAL SITE AND BERM GRADING TO +/- 1 INCH (1") SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. ALL FINISHED SITE GRADING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR. ALL PLANTING BEDS SHALL BE FREE OF ALL ROCKS 1/2" OR LARGER, STICKS, AND OBJECTIONABLE MATERIAL INCLUDING WEEDS AND WEED SEEDS. ALL LIME ROCK SHALL BE REMOVED/CLEANED DOWN TO THE NATIVE SOILS.
- THE LANDSCAPE CONTRACTOR SHALL ENSURE THE PLANTING AREAS ARE AT FINISH GRADE PRIOR TO INSTALLING PLANT MATERIALS.
- ALL TREES AND PLANT MATERIAL TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. CONTRACTOR SHALL INSTALL PROTECTIVE BARRIERS SUCH AS "TENAX" ORANGE SAFETY FENCING OR SIMILAR, TO BE INSTALLED BEFORE THE BEGINNING OF THE PROJECT. REF. TREE PROTECTION DETAIL FOR ADDITIONAL INFORMATION. BARRIERS SHALL BE LOCATED TO INCLUDE THE DRIP LINE OF THE TREES, PALMS AND PLANT MATERIAL. THE CONTRACTOR SHALL TAKE EXTRA CAUTION TO PREVENT ANY DAMAGE TO THE TRUNK, ROOT ZONES AND GRADE.
- FINAL GRADE WITHIN PLANTING AREAS TO BE 4" BELOW ADJACENT PAVED AREAS OR TOP OF CURB. SOD AREAS TO BE 2" BELOW
- ALL PLANTING BEDS SHALL BE SHAPED AND SLOPED TO PROVIDE PROPER DRAINAGE AWAY FROM BUILDING AND STRUCTURES AND TO SWALES, IF APPLICABLE.
- ANY IRRIGATION NOTES AND SPECIFICATIONS INCLUDED IN IRRIGATION SHEETS GOVERN OVER THE FOLLOWING IRRIGATION NOTES.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR IF NOT THE SAME AND LEAVE PROVISIONS FOR ALL INDIVIDUAL TREES IN TURF AREAS AND ALL PLANTING BEDS.
- IRRIGATION / LANDSCAPE CONTRACTOR TO GUARANTEE 100% COVERAGE AND 50% OVERLAP (HEAD TO HEAD COVERAGE) TO ALL LANDSCAPED AREAS AND FURNISH AND INSTALL A RAIN SENSOR.
- IRRIGATION CONTRACTOR TO ADAPT DESIGN TO ONSITE CONDITIONS ADJUSTING HEADS AND CHANGING NOZZLES AS REQUIRED TO AVOID OVERSPRAY ONTO BUILDINGS OR PAVED AREAS.
- THE CONTRACTOR SHALL ENSURE THAT THE IRRIGATION SYSTEM IS OPERATIONAL AND FREE OF LEAKS PRIOR TO ANY PLANTING BEING FINALIZED. PLANT MATERIAL THAT IS INSTALLED PRIOR TO THE IRRIGATION SYSTEM BEING OPERATIONAL SHALL BE WATERED BY THE CONTRACTOR AT HIS OR HER EXPENSE. WATER FOR PLANT ESTABLISHMENT SHOULD BE INCLUDED IN THE COST OF THE PLANT.
- ALL GUIDELINES AS OUTLINED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) OR WATER MANAGEMENT DISTRICT WITH JURISDICTION SHALL BE STRICTLY ADHERED TO
- ANY EXISTING IRRIGATION SYSTEM SHALL BE RETROFITTED TO COMPLY WITH THE SPECIFICATIONS AS OUTLINED ABOVE.
- HARDSCAPE & OTHER MATERIALS
- FACE OF TREES AND PALMS TO BE LOCATED A MINIMUM OF 2' SETBACK FROM ALL FENCES, WALKWAYS, WALLS, AND PAVED SURFACES, UNLESS OTHERWISE INDICATED ON THE PLANS. REFER TO DETAILS.

REVISIONS KEITH AND ASSOCIATES, INC DESCRIPTION DATE DESCRIPTION DATE 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO COUNTY FINANCIAL PROJECT ID SR A1A BROWARD PB1935-3

NOTES AND DETAILS

SHEET NO.

LD-30

N:\10\10654.04 -SR A1A Streetscape Improvements - COPB (KEITH Prime)\Highway - FD01

K. UTILITIES / CLEARANCES

- T.THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF AND AVOID AND PROTECT UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES. THE OWNER OR LANDSCAPE ARCHITECT SHALL NOT BE RESPONSIBLE FOR DAMAGE TO UTILITY OR IRRIGATION LINES.
- 2.TREES SHALL BE PLACED A MINIMUM OF 5 FT. FROM UNDERGROUND UTILITIES, UNLESS OTHERWISE APPROVED IN WRITING BY LANDSCAPE ARCHITECT AND OWNER.

 3.ALL CANOPY TREES TO BE PLANTED MIN. OF 15' FROM LIGHT SOURCE/POLES. UNLESS OTHERWISE APPROVED
- BY THE GOVERNING AUTHORITY / LANDSCAPE ARCHITECT AND OWNER.
- 4.LANDSCAPE CONTRACTOR SHALL CONTACT THE COUNTY, GOVERNING AUTHORITY AND/OR UTILITY COMPANIES TO LOCATE ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGE TO UNDERGROUND UTILITIES, AND/OR CONSTRUCTION CAUSED BY UTILITY DAMAGE, AT NO COST TO THE OWNER
- 5.ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLAN SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY CONTRACTOR TO AVOID ALL UTILITIES, AND ALL OTHER OBSTRUCTIONS.
- 6.IF/ WHEN DIGGING IN RIGHT OF WAY NEEDED: TWO (2) FULL BUSINESS DAY'S BEFORE DIGGING, CALL TOLL FREE 1-800-432-4770, OR 811, SUNSHINE STATE ONE CALL OF FLORIDA, INC. NOTIFICATION CENTER. IN ADDITION, CALL THE GOVERNING AGENCY'S UTILITIES/PUBLIC WORK'S DEPARTMENT. CONTRACTORS ARE RESPONSIBLE FOR COORDINATING WITH THE OWNERS AND APPROPRIATE PUBLIC AGENCIES TO ASSIST IN LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION. ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE TO BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK OPERATIONS.
 7.ABOVE AND BELOW GROUND UTILITIES SHALL BE VERIFIED AND LOCATED IN THE FIELD BY THE CONTRACTOR
- PRIOR TO COMMENCING WORK IN THE PROJECT AREA. THE CONTRACTOR SHALL EXAMINE AVAILABLE UTILITY PLANS AND CONFIRM CONFLICTS BETWEEN INDICATED OR LOCATED UTILITIES AND LANDSCAPE WORK, THE CONTRACTOR SHALL THEN NOTIFY THE PROJECT ENGINEER OF SAID CONFLICTS AND THE ENGINEER WILL COORDINATE ANY NECESSARY ADJUSTMENTS WITH THE UTILITY PROVIDER. TREE LOCATIONS WILL BE ADJUSTED AS NECESSARY WHEN IN CONFLICT WITH EXISTING UTILITIES.
- 8.THE FINAL PLANT LOCATIONS MAY BE ADJUSTED, AS APPROVED / DIRECTED BY THE LANDSCAPE ARCHITECT IN WRITING, TO ACCOMMODATE UTILITIES COMPLIANCE. EXCAVATIONS WITHIN 5' OF KNOWN UTILITIES SHOULD BE DONE BY HAND
- 9.CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND AVOID AND PROTECT UTILITY LINES, BURIED CABLES, AND ALL OTHER UTILITIES, NOTED OR NOT, ON PLANS.
- LEAVE CLEARANCE AND ACCESS TO ALL ABOVE GROUND OR AT GRADE METERS AND EQUIPMENT LANDSCAPE PLANTING SHALL BE IN CONFORMANCE WITH FPL GUIDELINES FOR SETBACKS FROM
- OVERHEAD UTILITY LINES 12. LANDSCAPING SHALL NOT INTERFERE WITH LIGHT POLES, FIRE HYDRANTS, ELECTRICAL/MECHANICAL EQUIPMENT ACCESS, SIGNS, DRAINAGE STRUCTURES, ETC. BRING TO THE ATTENTION OF LANDSCAPE

- 1.ROOT BARRIERS WILL BE INSTALLED TO PROTECT BUILDING FOUNDATIONS, CURBING, WALKWAYS. PAVED AREAS. ROADWAY BASE MATERIAL AND UTILITIES FROM EXISTING LARGE TREES OR PROPOSED NEW TREES THAT ARE WITHIN 5' OF EXISTING OR NEW APPROVED CONSTRUCTION OR AS MAY BE DEEMED NECESSARY AS JOB PROGRESSES
- 2.MECHANICAL ROOT BARRIERS WILL BE USED FOR LARGE EXISTING CANOPY TREES AND CHEMICAL TYPE BARRIERS WILL BE USED FOR NEW TREES.
- 3.MECHANICAL ROOT BARRIERS WILL BE "DEEPROOT" AND CHEMICAL ROOT BARRIERS WILL BE "BIOBARRIER" SUBSTITUTIONS MUST BE OF APPROVED EQUAL OR BETTER QUALITY
- 4.ROOT BARRIERS WILL BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
- 5.ROOT BARRIER DEPTH S WILL BE DETERMINED BY THE MANUFACTURER RECOMMENDED DEPTH CHART AND AS REQUIRED BY ON-SITE CONDITIONS IN A CASE BY CASE BASIS AS DEEMED NECESSARY BY LANDSCAPE ARCHITECT ARCHITECT / ISA ARBORIST AND LANDSCAPE INSPECTOR.

- 1.ALL BUILDING CONSTRUCTION MATERIAL AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE PLANTING AREAS AND REPLACED WITH 70/30 MIX (70% SAND / 30% ORGANIC COMPOST) OR AMEND EXISTING SOIL S PER SECTION H.2.
- 2.PLANTING SOIL MIX SHALL BE DELIVERED TO THE SITE IN A CLEAN LOOSE AND FRIARIF CONDITION AND IS REQUIRED AROUND THE ROOT BALL OF ALL TREES AND SHRUBS , THE TOP 6" OF ALL SHRUBS AND GROUND COVER BEDS AND TOP 2" OF ALL GRASSED AREAS. THIS SOIL SHALL BE TILLED INTO THE EXISTING SOIL AFTER THE EXISTING SOIL HAS BEEN CLEANED OF ALL UNDESIRABLE FOREIGN MATERIALS. RECYCLED COMPOST IS ENCOURAGED AS A SOIL AMENDMENT ALTERNATIVE. PLANTING SOIL TO BE WEED FREE.
- 3.PLANTING BACKFILL FOR PALMS SHALL BE CLEAN, COARSE NATIVE SAND UNLESS SPECIFIED OTHERWISE. 4.DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE WATERED-IN UTILIZING WATER PROBE OR A TREE BAR.

N.PIANT SIZE & QUALITY

- 1.ALL PLANT MATERIAL MUST MEET OR EXCEED THE MINIMUM SIZE REQUIREMENTS AS SPECIFIED ON THE PLANT LIST. HEIGHT SPECIFICATION GOVERNS OVER CONTAINER SIZE IF BOTH SPECIFICATIONS GIVEN CANNOT BE MET. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN SHALL ALSO BE REQUIRED FOR ACCEPTANCE.
- 2.MATERIAL SPECIFIED AS BALLED AND BURLAPPED (B&B) CAN BE ACCEPTED IN CONTAINER IF NOT AVAILABLE AS B&B AT THE DISCRETION OF LANDSCAPE ARCHITECT; IF SO, ROOT BOUND AND/OR CIRCLING ROOTS SHALL BE REMOVED AND ROOT BALL MUST BE PROPORTIONATE TO TREE / PALM.
- 3.UNLESS NOTED OTHERWISE, ALL TREES DESIGNATED AS SINGLE TRUNK SHALL HAVE A SINGLE, RELATIVELY STRAIGHT, DOMINANT LEADER, PROPER STRUCTURAL BRANCHING AND EVEN BRANCH DISTRIBUTION. TRUNKS ON PALMS SHALL BE UNIFORM IN THICKNESS FOR THE ENTIRE LENGTH OF THE PALM AND SHALL NOT TAPER OFF TO DISPROPORTIONATE THINNESS TOWARDS THE CROWN. TREES WITH BARK INCLUSION, TIPPED BRANCHES. AND CO-DOMINANT TRUNKS WILL NOT BE ACCEPTED. TREES WITH GIRDLING, CIRCLING AND/OR PLUNGING ROOTS WILL BE REJECTED.
- 4.USE NURSERY GROWN PLANT MATERIALS THAT COMPLIES WITH ALL REQUIRED INSPECTION, GRADING STANDARDS, AND PLANT REGULATIONS IN ACCORDANCE WITH THE LATEST EDITION OF FLORIDA DEPARTMENT OF AGRICULTURE, "GRADE & STANDARDS FOR NURSERY PLANTS"
- 5.ALL TREES AND PALMS SHALL BE FREE OF OPEN WOUNDS AND UNSIGHTLY VISIBLE SCARS.
- 6.ALL SUBSTITUTIONS MUST BE APPROVED BY THE GOVERNING AUTHORITY IF IT IS REQUIRED CANOPY AND BY LANDSCAPE ARCHITECT / OWNER IF SUPPLEMENTARY ACCENT MATERIAL.

- 7.CONTRACTOR SHALL COMPLY WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS PERTAINING TO THE INSPECTION FOR PLANT DISEASE AND INSECT INFESTATION.
- 8.TREES, PALMS, SHRUBS, GROUND COVERS: PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS 1 AND 2. LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY AND TIGHTLY KNIT PLANT. SO TRAINED OR FAVORED IN ITS DEVELOPMENT THAT FIRST APPEARANCE IS UNQUESTIONABLE AND IT IS OUTSTANDINGLY SUPERIOR IN FORM, NUMBER OF BRANCHES, COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL BE FRESHLY DUG, SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND FREE OF DISEASE AND INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES
- APPROVAL OF THE LANDSCAPE ARCHITECT. 9.ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER

AND PALMS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY

- 10. FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING SHOCK.
- ROOT SUCKERS ON ANY TREE ARE NOT ACCEPTABLE AND MUST BE PROPERLY PRUNED.

THE LANDSCAPE ARCHITECT. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY UPON THE

CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT AND OWNER TO OBTAIN PRIOR APPROVAL FOR THE SELECTION OF THE SPECIFIC SPECIMENS OF ALL PALMS AND ANY TREES OF MORE THAN SIX FEET IN HEIGHT. CONTRACTOR TO SUPPLY PHOTOGRAPH OF TREES PRIOR TO PURCHASE AND INSTALLATION.

O.PLANTING NOTES

- 1.AT THE DISCRETION OF THE LANDSCAPE ARCHITECT, PLANTS ARE SUBJECT TO REVIEW FOR APPROVAL FOR SIZE, VARIETY, CONDITION AND APPROPRIATENESS TO THE DESIGN INTENT
- 2.ALL SYNTHETIC BURLAP, SYNTHETIC STRING OR CORDS, OR WIRE BASKETS SHALL BE REMOVED BEFORE ANY TREES ARE PLANTED. ALL SYNTHETIC TAPE (I.E. TAGGING TAPE, NURSERY TAPE) SHALL BE REMOVED FROM TRUNKS, BRANCHES, ETC. BEFORE INSPECTION. THE TOP 1/3 OF ANY NATURAL BURLAP SHALL BE REMOVED OR TUCKED INTO THE PLANTING HOLE BEFORE THE TREES ARE BACK FILLED.
- 3.ALL "GROUNDCOVER" REQUIRES 75% COVERAGE AND 100% WITHIN 3 MONTHS OF INSTALLATION. BRING TO THE ATTENTION OF LANDSCAPE ARCHITECT IN WRITING BEFORE COMMENCING IF THIS IS NOT ACHIEVABLE WITH THE DESIGN
- 4.SET TREE NO DEEPER THAN IT WAS IN ITS ORIGINAL GROWING CONDITION WITH THE TOP OF THE ROOT BALL EVEN WITH, OR SLIGHTLY HIGHER (+/- 1") THAN THE FINISHED GRADE.
- 5.ALL TREES/PALMS SHALL BE PLANTED SO THE TOP OF THE ROOT BALL, ROOT FLAIR ARE SLIGHTLY ABOVE FINAL GRADE, SHRUB MATERIAL SHALL BE PLANTED SUCH THAT THE TOP OF THE PLANT BALL IS FLUSH WITH THE SURROUNDING GRADE
- 6.ALL TREES AND PALMS SHALL BE BRACED / STAKED PER ACCEPTED STANDARDS BY THE FLORIDA NURSERY, GROWERS & LANDSCAPE ASSOCIATION (FNGLA). NAILING INTO TREES AND PALMS FOR ANY REASON IS PROHIBITED AND THE MATERIAL WILL BE REJECTED. PLEASE REFER TO THE PLANTING DETAILS.
- 7.ALL TREES, NEW OR RELOCATED, TO BE STAKED AND GUYED AS DETAILED.
- 8.LAYOUT SHRUBS TO CREATE A CONTINUOUS SMOOTH FRONT LINE AND FILL IN BEHIND WITH TRIANGULAR SPACING
- 9.EXCAVATE PIT OR TRENCH TO 1-1/2 TIMES THE DIAMETER OF THE BALLS OR CONTAINERS OR 1' WIDER THAN THE SPREAD OF ROOTS AND 3" DEEPER THAN REQUIRED FOR POSITIONING AT PROPER HEIGHT COMPACT A LAYER OF TOPSOIL IN BOTTOM BEFORE PLACING PLANTS. BACKFILL AROUND PLANTS WITH PLANTING MIXTURE, COMPACTED TO ELIMINATE VOIDS AND AIR POCKETS. FORM GRADE SLIGHTLY DISHED AND BERMED AT EDGES OF EXCAVATION APPLY 3" OF MUICH.
- 10. GROUNDCOVER AND SHRUBS TO BE SPACED IN A UNIFORM AND CONSISTENT PATTERN PER PLANTING
- 11. ALL MECHANICAL EQUIPMENT, IRRIGATION PUMPS, FPL TRANSFORMERS, POOL PUMPS, ETC. SHALL BE SCREENED ON A MINIMUM OF THREE SIDES BY LANDSCAPE SHRUBS.
- 12. CONTRACTOR SHALL NOT MARK OR SCAR TRUNKS IN ANY FASHION. 13. WHEN REQUESTED BY LANDSCAPE ARCHITECT, DEMONSTRATION OF HEALTHY ROOT SYSTEM IF NOT PREVIOUSLY APPROVED, CAN INCLUDE TREE REMOVAL AND RE-INSTALLATION FOR INSPECTION AT NO
- 14. REMOVE REJECTED PLANT MATERIAL FROM THE SITE IMMEDIATELY AND REPLACE WITH ACCEPTABLE PLANTS.

1.ALL FERTILIZATION SHALL COMPLY WITH STATE FERTILIZATION LAWS. FERTILIZATION SHALL BE AGRIFORM 20-10-5 PLUS MINORS" OR SIMILAR APPROVED SLOW-RELEASE TABLETS APPLIED PER MANUFACTURER SUGGESTED APPLICATION RATE CHART:

AGRIFORM® 21-GM TABLET(SKIJ# 90026* 500 TABLETS/CASE) NEWTREE / SHRUB CONTAINER SIZE 1 Gal 2 Gal 3 Gal 5 Gal 7 Gal 15 Gal 24" Box 1 1 to 2 2 to 3 2 to 3 3 to 5 7 to 10 15 to 24 Installation:

- PLACE PLANT IN THE HOLE AND BACKFILL TO HALFWAY POINT.
 DO NOT PLACE TABLETS IN THE BOTTOM OF THE PLANTING HOLE.
- PLACE AGRIFORM TABLETS IN THE HOLE ABOUT 1TO 2 INCHES AWAY FROM ROOT TIPS.
- FINISH FILLING THE HOLE AROUND THE PLANT TO GRADE LEVEL.
- SCOTTS: 1-800-492-8255 OR VISIT WWW.SCOTTSPRO.COM

- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE SODDED WITH ST. AUGUSTINE 'SEVILLE' UNLESS OTHERWISE NOTED
- THESE DISTURBED AREAS SHALL HAVE PROPER IRRIGATION ESTABLISHED OR RE-ESTABLISHED IF THEY WERE DISRUPTED OR NON-FUNCTIONAL
- IANDSCAPE CONTRACTOR TO SUPPLY AND INSTALL 2" SOIL LAYER 50/50 MIX BLANKET FOR ALL NEW SOD
- ALL OPEN AREAS NOT COVERED BY TREES, PALMS, SHRUBS, VINES, GROUND COVERS OR EXISTING SOD IN GOOD CONDITION TO
- REMAIN, SHALL RECEIVE STENOTAPHRUM SECUNDATUM, ST. AUGUSTINE 'SEVILLE' SOD, WHETHER LABELED ON THE PLANS OR
- NOT, UNLESS A DIFFERENT SPECIES IS INDICATED ON THE PLANTING PLAN. SOD SHALL BE STRONGLY ROOTED, FREE FROM WEED.
- FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL BE PAID BY THE TOTAL SODDED AREA X THE UNIT PRICE SUBMITTED (FIFID VERIFIED).
- SOD SHALL BE MACHINE STRIPPED NO MORE THAN 24 HOURS PRIOR TO LAYING.
- LAY SOD STRIPS WITH TIGHT JOINTS, DO NOT OVERLAP, STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. WORK SIFTED SOIL
- MIX INTO MINOR CRACKS BETWEEN PIECES OF SOD AND REMOVE EXCESS SOIL DEPOSITS FROM SODDED AREAS SOD ON
- SLOPES GREATER THAN 3:1 SHALL BE IMMEDIATELY STAKED AFTER PLANTING.

SUBMITTALS

- SUBMIT 1 GALLON CONTAINER OF ALL PLANTING MEDIA FOR LANDSCAPE ARCHITECT REVIEW. SAMPLES TO INCLUDE SPECIFIED
- PLANTING MIX, TOPSOIL, CONTAINER PLANTING MIX (IF APPLICABLE) AND MULCH. SUBMIT REPRESENTATIVE NURSERY PHOTOS OF ALL TREES AND PALMS FOR REVIEW PRIOR TO DELIVERY
- TO THE SITE. INCLUDE SCALE FOR HEIGHT.
- 3. SUBMIT REPRESENTATIVE NURSERY PHOTOS OF ALL SHRUB AND GROUNDCOVER MATERIAL FOR REVIEW PRIOR TO DELIVERY TO THE

- INSPECTION & ACCEPTANCE
 NOTIFY THE GOVERNING AGENCY IF REQUIRED AND LANDSCAPE ARCHITECT OF COMMENCEMENT.
- ONSITE PLANT DELIVERIES SHALL OCCUR ON MONDAY THROUGH FRIDAY ONLY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE
- ARCHITECT / OWNER. THE CONTRACTOR SHALL ENSURE THAT PLANT MATERIAL IS DELIVERED UNDAMAGED FROM TRANSPORTATION
- OR DIGGING OPERATIONS. THE LANDSCAPE ARCHITECT MAY REJECT MATERIAL THAT HAS BEEN DAMAGED OR RENDERED
- UNACCEPTABLE DUE TO RELOCATION OR TRANSPORTATION FROM THE POINT OF ORIGIN. ALL PLANT MATERIAL SHAL BE AVAILABLE FOR
- INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO FINAL INSTALLATION. THERE SHALL BE ONE FINAL INSPECTION FOR APPROVAL BY EACH OF THE PRESIDING GOVERNING AGENCY,
- LANDSCAPE ARCHITECT AND OWNER. CONTRACTOR SHALL ENSURE THAT THE PLANS, DETAILS, SPECIFICATIONS AND NOTES HAVE BEEN
- ADHERED TO AND THAT THE LANDSCAPE AND IRRIGATION INSTALLATION IS COMPLIANT TO ALL ITEMS AS DIRECTED ON THE PLANS
- PRIOR TO SCHEDULING OF THE FINAL INSPECTION
- UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND REQUEST A
- FINAL INSPECTION. ANY ITEMS THAT ARE JUDGED INCOMPLETE OR UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER
- SHALL BE PROMPTLY CORRECTED BY THE LANDSCAPE CONTRACTOR.
- 5. NO SUBSTITUTION OF PLANT MATERIAL, TYPE OR SIZES WILL BE PERMITTED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT AND OWNER
- 6. TO OBTAIN FINAL PAYMENT, CONTRACTOR MUST PROVIDE RELEASE OF ALL MECHANIC'S LIENS AND MATERIAL LIENS

- ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3" WITH AN ORGANIC MULCH APPROVED BY LANDSCAPE ARCHITECT, NO
- HEAVY METALS, SUCH AS ARSENIC, ETC. ARE TO BE CONTAINED IN THE MULCH. THE CONTRACTOR SHALL PROVIDE CERTIFICATION IF REQUESTED OR PROOF THAT ALL MULCH IS FREE OF HEAVY METALS OR SIMILAR ENVIRONMENTAL
- SHREDDED APPROVED ORGANIC MULCH TO BE USED BEYOND TRUNK IN ALL DIRECTIONS AND THROUGHOUT
- ALL HEDGES AND PLANT MATERIAL.
 - ALL TREES IN SODDED AREAS SHALL HAVE A CLEAN CUT 4 DIAMETER MULCH RING. PREFERRED MULCH IS SHREDDED MELALEUCA. CYPRESS, RED, GOLD AND GREEN MULCH IS PROHIBITED.
- ALL MULCH SHALL HAVE A MINIMUM 3" SEPARATION FROM THE TRUNK OF THE TREE/PALM TRUNK TO AVOID ROTTING

REVISIONS KEITH AND ASSOCIATES, INC DESCRIPTION DATE DESCRIPTION DATE 301 E ATLANTIC BLVD POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO COUNTY FINANCIAL PROJECT ID SR A1A BROWARD PB1935-3

NOTES AND DETAILS

SHEET NO. LD-31

N:\10\10654.04 -SR A1A Streetscape Improvements - COPB (KEITH Prime)\Highway - FD01

S

- 1. ALL PLANT MATERIAL SHALL BE WATERED IN THOROUGHLY AT THE TIME OF PLANTING.
- 1. ALL PLANY MATERIAL SHALL BE WATERED IN THOROUGHT AT THE TIME OF PLANTING.

 2. IT IS THE SOLE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO ENSURE THAT ALL NEW PLANTINGS RECEIVE ADEQUATE WATER DURING THE INSTALLATION AND UNTIL COMPLETION OF CONTRACT. DEEP WATERING OF ALL NEW TREES AND PALMS AND ANY SUPPLEMENTAL WATERING THAT MAY BE REQUIRED TO AUGMENT NATURAL RAINFALL AND SITE IRRIGATION IS MANDATORY TO ENSURE PROPER PLANT ESTABLISHMENT AND DEVELOPMENT AND SHALL BE PROVIDED BY CONTRACTOR AS A
- CLEAN UP
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL LANDSCAPE PLANTING AREAS UNTIL FINAL ACCEPTANCE OF THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR MOWING THE ENTIRE PROJECT DURING PLANTING AND ESTABLISHMENT PERIODS, BASED ON MOWING PROJECT ONCE A MONTH FROM OCTOBER TO APRIL, AND TWICE A MONTH FROM APRIL TO OCTOBER (DURING INSTALLATION AND PLANT ESTABLISHMENT ONLY AND UNTIL FINAL INSPECTION AND OWNER ACCEPTS AND TAKES OWNERSHIP).
- ANY EXCESS SOIL, UNDESIRED STONES OR DEBRIS RESULTING FROM LANDSCAPE OPERATIONS SHALL BE REMOVED PROMPTLY, KEEPING THE SITE CLEAN AS WORK PROGRESSES
- 4. THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR DEBRIS CAUSED BY THEIR CREWS DURING THE PERFORMANCE OF THE WORK.UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS, AND ALL EQUIPMENT FROM THE PROJECT SITE.
- MAINTENANCE
- LANDSCAPE CONTRACTOR TO RETURN TO JOB SITE 12 MONTHS AFTER TREE BRACING AND REMOVE ALL TREE BRACES. OWNER MAY CHOOSE TO RETAIN 5% OF PAYMENT TO ENSURE COMPLIANCE.
- THE LANDSCAPE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, INCLUDING SOD, UNTIL COMPLETION OF CONTRACT OR ACCEPTANCE BY LANDSCAPE ARCHITECT. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.
- TREES AND SHRUBS SHALL BE MAINTAINED TO KEEP CLEARANCE OF STOP SIGNS AND SAFETY CLEARANCE FOR VISIBILITY AT TRAFFIC INTERSECTION.
- GUARANTEE & REPLACEMENT
- BY ACCEPTING THE CONTRACT, THE CONTRACTOR IS THEREBY GUARANTEEING ALL PLANT MATERIALS AND DESIGN FOR A PERIOD OF

NOT LESS THAN ONE (1) YEAR FROM THE TIME OF FINAL ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE ANY PLANTS WHICH DIE OR WITHER WITHIN SUCH PERIOD WITH HEALTHY PLANTS THAT MEET SPECIFICATIONS OF THE SAME SPECIES AND SIZE WITHOUT ADDITIONAL COST TO THE OWNER UNLESS SUCH DEATH OR WITHERING IS DUE TO OWNER'S FAILURE TO DO ORDINARY MAINTENANCE ON SUCH PLANTS AFTER FINAL ACCEPTANCE IN ACCORDANCE WITH ANY MAINTENANCE INSTRUCTIONS GIVEN BY LANDSCAPE ARCHITECT FOR SUCH PLANTS. SUCH REPLACEMENT SHALL INCLUDE ALL PLANTS AND LABOR TO PLANT THE REPLACEMENT PLANTS. ANY PLANT MATERIALS DAMAGED BY LIGHTNING, STORMS, FREEZE DAMAGE OR OTHER "ACTS OF GOD" AS WELL PLANTS DAMAGED BY VEHICLES, VANDALISM OR NEGLECT ARE NOT INCLUDED IN THIS REPLACEMENT AGREEMENT. IF REQUESTED, THE LANDSCAPE ARCHITECT MAY ACT AS A MEDIATOR BETWEEN OWNER AND LANDSCAPE CONTRACTOR ON A TIME MATERIAL BASIS. "PLANTS" INCLUDES ALL TREES, PALMS, SHRUBS, GRASS AND OTHER PLANTS PROVIDED OR PLANTED BY CONTRACTOR.

- MISCELLANEOUS.
- ALL WORK TO BE DONE IN A PROFESSIONAL MANNER.
- NO CHANGE ORDER SHALL BE VALID, DUE OR PAID UNLESS IT IS APPROVED BY OWNER IN WRITING IN
- THESE NOTES SHALL BE AN INTEGRAL PART OF THE CONTRACT OF CONTRACTOR AND SHALL BE DEEMED INCORPORATED THEREIN BY REFERENCE. IN THE EVENT OF A CONFLICT AMONG THE TERMS AMONG THE PLANS AND THESE NOTES, THE TERMS OF THIS DOCUMENT SHALL CONTROL
- Z. ABBREVIATIONS IN NOTES AND PLANS

U.N.O. = UNLESS OTHERWISE NOTED L.A = LANDSCAPE ARCHITECT S.F.= SQUARE FEET STD = STANDARD (SINGLE TRUNK) $B\&B = BALLED \ AND \ BURLAPPED$ BLDG DEP = BUILDING DEPARTMENT RFI = REQUEST FOR INFORMATIONFPL= FLORIDA POWER & LIGHT C.O. = CERTIFICATE OF OCCUPANCY ISA CA OR ISA ARBORIST = INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED ARBORIST FDOT GENERAL NOTES

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2021-22 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs) are available at the following website: https://www.fdot.gov/design/standardplans

GOVERNING STANDARD SPECTIFICATIONS:

Florida Department of Transportation, January 2021 Standard Specifications for Road and Bridge Construction at the following website: https://www.fdot.gov/programmanagement/implemented/spechooks

Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense.

Any plant material substitution within or impacting the FDOT Right of Way whether requested by the Contractor, Owner, Landscape

Architect or other will need to get approval from the FDOT District Landscape Architect.

Patterned Pavement installation shall comply with current FDOT Standard Specification 523. Online Reference:

nented/specbooks/january2021/1-21ebook.pdf?sfvrsn=1c62cb58 https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/in

Architectural Pavers installation for sidewalks, medians, driveways or roadways within the FDOT right of way shall comply with current FDOT Standard Specification 526. Online Reference:

https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/implemented/specbooks/january2021/1-21ebook.pdf?sfvrsn=1c62cb58

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 fulfilled. Excavated materials shall be hauled 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.

Provide the following heading, notes and online reference on sheet no. LD-30.

• The following heading, notes, and online references have been added to notes and details sheets.

For the portion of landscape plant material that will be installed within the FDOT Right of Way, landscape installation shall comply with current applicable FDOT Maintenance Specification 580. Online Reference:

https://www.fdot.gov/programmanagement/maintenance/2021 jan/maintenance-specifications---january-2021

For the portion of landscape plant material that will be installed within the FDOT Right of Way refer to the FDOT Standard Plans Index 580-001 Landscape Installation.

Online Reference: https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2022/idx/580-001.pdf2

It is recommended that you verify the existing soil conditions of medians to be planted prior to finalizing your construction documents. If the existing sub-grade is compacted road base, it is recommended that you specify replacement with planting soil, as follows:

Contractor shall preserve a continuous band of undisturbed compacted sub-base 18" from the back of curb (See Detail below).

Contractor shall insure that all unsuitable soil including concrete, pavement, road base, stones over 3"diameter and all construction debris, is removed from median area to be planted and replaced with specified planting soil, e.g. 60% sand and 40% muck.
c. Areas to be planted with shrubs and/or ground covers: remove compacted soil to a depth of 12" and replace with specified planting soil.

Planting soil shall come up to 4"from top of curb, reserving space for 3"compacted mulch and 1"clear from top of curb.

Planting pits for trees and palms: remove compacted soil within the area of each planting pit to a depth of 24"from the top of curb. Planting soil shall come up to 4"from top of curb, reserving space for 3"compacted mulch, and 1" clear from top of curb.

Cypress Mulch is not permitted on FDOT 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). Submit proof of certification to the FDOT District Operations Permit Landscape Inspector upon inspection

Sodded areas will be in accordance with Standard Plans Index 570-010 and Standard Specifications Sections 570, 981, 982, 983, 987 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.

IRRIGATION PLAN REQUIREMENTS PLAN SHEETS

Irrigation system water source must be shown on the irrigation plan.

Irrigation plans need to indicate water connection points and electrical connection for proposed controllers and pumps. FDOT must be provided 24-hour emergency access to the water source.

Verify that above-ground Irrigation items such as backflow preventers, pumps and controllers are not located within the Horizontal Clear Zone.

Show the proposed locations for sleeves to the median.

Provide the following heading and notes on sheet no. LD-31.

The irrigation system shall use the lowest quality water available which adequately and safely meets the water needs of the system. Storm water, reclaim water, or grey water irrigation shall be used whenever possible.

FDOT requires 24-hour emergency access to water source.

Contractor shall provide FDOT District Operations Manager with a set of "As- Built"irrigation plans.

Sleeving must be 36"below the roadway. Verify with FDOT Maintenance that sleeving/directional bore is permitted at this time. A newly resurfaced road cannot be disturbed for 5 years.

Permittee's representative & an FDOT Inspector must be on site during all boring activities. Upon completion of the boring activities, Permittee's representative & all roof inspector must be on streaming activities. Open completion of the biring activities, Permittee shall provide all documentation to be in accordance with FDOT Standard Specifications, Section 555 or 556, whichever is applicable.

Permittee's contractors that are performing directional drilling and/or jack and bore activities shall provide the Department (Permits Office) proof of a proper state contractor's license and certificate of liability insurance prior to any commencement of permitted work.

Permittee will ensure that all locates have been performed prior to scheduling of any boring activities. This shall include soft digs to

verify vertical & horizontal alignment. LANDSCAPE MAINTENANCE AGREEMENT

Any non-standard component specified on FDOT right of way in addition to trees and sod, such as planting of shrubs, groundcover, hardscape, and/or an irrigation system will require an executed Landscape Maintenance Memorandum of Agreement (MMOA) prior to final permit approval for this project. Please contact Mary Ann Randolph, Landscape Agreement Coordinator 954-677-7897 or Mary Ann.Randolph@dot.state.flus.for the MMOA process and submittal requirements.

NOTE: The plan is currently proposing shrubs, irrigation, and hardscape within the FDOT right of way, therefore a Landscape MMOA will be required. When the plans have received landscape approval, the permit cannot be issued until the MMOA process has been completed and executed. Please be aware that the MMOA process can involve several months depending upon the local agency before the FDOT can provide the final executed Landscape MMOA document.

If you have any questions please contact David Lockmiller, PLA at 954-777-4142 or david.lockmiller@dat.state.fl.us.

	REVIS	KEITH AND ASSOCIATES, INC		
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

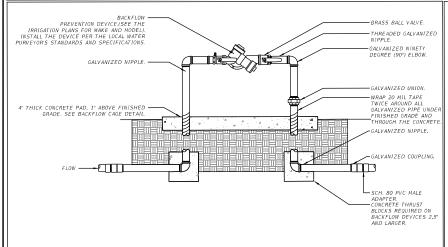
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
SR A1A	BROWARD	PB1935-3			

NOTES AND DETAILS

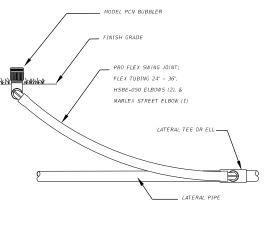
SHEET NO.

HIGH POP HEAD. O CURB OF BARB ELL X MIPT. 1/2" MARLEX STREET ELL

REMOTE CONTROL IRRIGATION VALVE

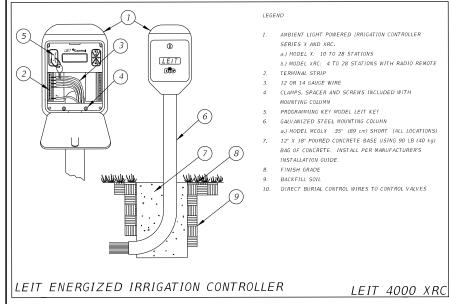


SHRUB SPRAY HIGHPOP W/FLEX ASSEMBLY



BUBBLER

BACKFLOW PREVENTION DEVICE



THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ALSO STATE AND/OR

IRRIGATION NOTES

IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAVING SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH CORRESPONDING LANDSCAPE PLAN.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL UNDERGROUND UTILITY PROVIDERS TO VERIFY LOCATIONS. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.

4. VALVE LOCATIONS ARE SCHEMATIC ONLY AND WILL BE ADJUSTED FOR SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A AMETEK OR CARSON VALVE BOX. THE FLOW ADJUSTMENT FEATURE WILL BE USED TO BALANCE PRESSURE THROUGHOUT THE SYSTEM.

PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.

6. THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PROPER GROUNDING EQUIPMENT AND SURGE PROTECTION SHALL BE PROVIDED. A RAIN SENSOR SHALL BE INSTALLED TO OVER-RIDE THE CONTROLLER.

7. ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.

SPRINKLER LOCATIONS ADJACENT TO PAVEMENT, STRUCTURES, FENCES, ETC. SHALL BE OFFSET AS FOLLOWS: 12" MIN FOR POP-UP MIST HEADS, 18" FOR SHRUB RISERS, 18" FOR ROTOR HEADS, AND TYPICALLY 5 FEET FOR ROTORS ALONG UNCURBED ROADWAYS.

9. ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 18" BELOW FINISH

10. CONTROL WIRES SHALL BE UL APPROVED PE IRRIGATION CONTROL WIRE. USE 14 GAGE CONTROL WIRE AND 12 GAGE GROUND WIRE. WIRE SHALL BE BUNDLED AND ATTACHED TO THE MAIN LINE IN TRENCH OR THROUGH WIRE SLEEVES AT PAVEMENT CROSSINGS 24" BELOW FIN. GRADE. ALL SPLICES SHALL BE MADE WITH WATERPROOF DIRECT-BURIAL SPLICE KITS AND CONTAINED IN VALVE BOXES, TWO EXTRA CONTROL WIRES SHALL BE INSTALLED TO THE FURTHEST VALVES IN EACH DIRECTION FROM THE CONTROLLER.

11. PIPING IN NARROW PLANTING AREAS, PARKING ISLANDS AND PLANTERS SHALL BE SET TO ONE SIDE TO ALLOW ROOM FOR ROOT BALLS. PIPE AS INDICATED ON PLAN IS SCHEMATIC AND SHOULD BE ADJUSTED FOR FIELD

12. ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH

13. SYSTEM PIPE SIZE 3/4" SHALL BE CLASS 200 PVC; SYSTEM PIPE SIZE 1" OR GREATER SHALL BE CLASS 160 PVC. SYSTEM MAIN WILL BE SCH. 40 PVC TO SIZE INDICATED ON PLAN. ALL FITTINGS WILL BE SOLVENT WELD SCH 40 PVC. MAIN LINE SHALL HAVE 24" MINIMUM COVER; ALL OTHER PIPING WILL HAVE 12" MIN. COVER. ALL BACKFILL FOR PIPE TRENCHES SHALL BE CLEAN AND FREE OF FOREIGN DEBRIS AND SHARP OBJECTS; BACKFILLED TRENCHES SHALL BE PROPERLY COMPACTED. ALL MAIN LINES WILL BE INSTALLED A MIN. OF 3' FROM ANY TREE OR PALM.

14. WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.

15. IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 100% OVERLAP MIN. PROVIDE BUBBLERS FOR ALL NEW AND RELOCATED TREES AND PALMS.

16. RUST CONTROL SYSTEM TO BE INSTALLED WITH PUMP STATION (IF FROM

17. THE IRRIGATION SYSTEM IN THE RIGHT-OF-WAY IS TO INCORPORATE LOW TRAJECTORY SPRAY HEADS TO MINIMIZE OVERSPRAY.

18. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.

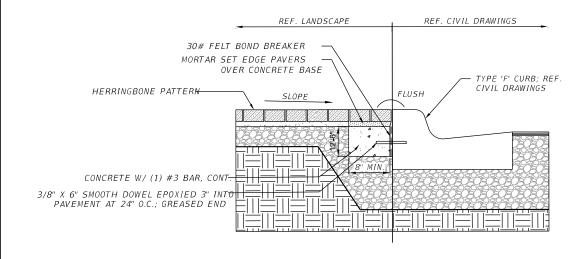
	REVI:	KEITH AND ASSOCIATES, INC		
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060 (954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
SR A1A	BROWARD	PB1935-3			

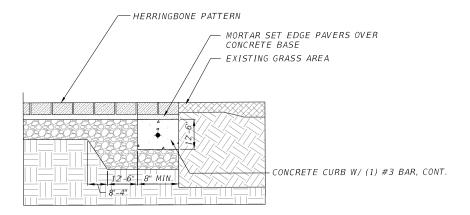
NOTES AND DETAILS

SHEET NO.

SIDEWALK WITH PATTERNED PAVEMENT DETAIL.

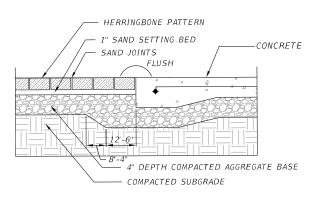


A. SIDEWALK PAVERS AT TYPE F CURB SECTION VIEW



B. SIDEWALK PAVERS AT GRASS AREAS SECTION VIEW

MATERIALS SCHEDULE							
PAVERS							
KEY	DESCRIPTION / MODEL	COLOR	FINISH	CONTACT	REMARKS		
	BELGARD - OCEANSIDE - 4 X 8"	MALT	STANDARD	FRANK GONZALEZ 305-522-0002			



C. SIDEWALK PAVERS AT CONCRETE SECTION VIEW

	REV	KEITH AND ASSOCIATES. INC		
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD
				POMPANO BEACH, FL 33060
				(954) 788-3400
				MICHAEL J. PHILLIPS
				R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. COUNTY FINANCIAL PROJECT ID SR A1A BROWARD PB1935-3

HARDSCAPE DETAILS

SHEET NO.

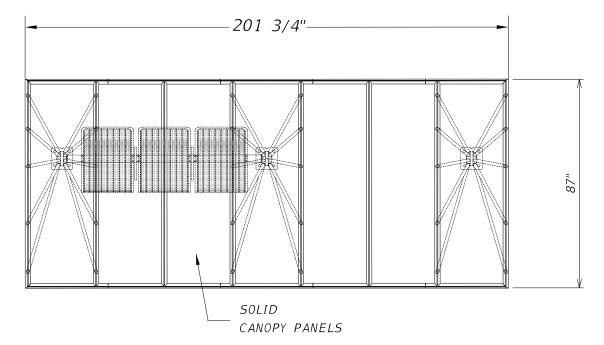
HSD-34

LANDSCAPE FORMS BUS SHELTER

Kaleidoscope OS COLOR: BRONZE

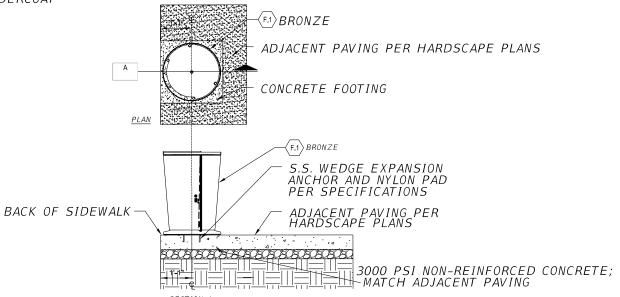
FINISH: POWDERCOAT

ATTACHED PLEXUS-II BACKED SEATING IN BAY 1, WITH ARMS; LOW VOLTAGE LIGHTING



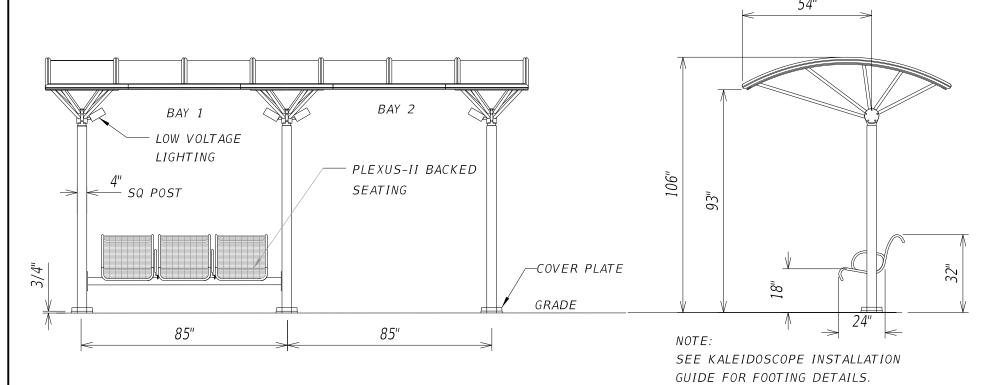
LANDSCAPE FORMS TRASH RECEPTACLE Chase Park Litter

COLOR: BRONZE FINISH: POWDERCOAT



NOTES:

- 1. ALL ANCHORS TO BE STAINLESS STEEL AND CORROSION RESISTANT PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR TO SUPPLY ALL ANCHORS.
 2. EXPANSION JOINTS AS REQUIRED.
- 3. REFER TO HARDSCAPE AND LANDSCAPE PLANS FOR ADJACENT CONDITIONS PER INSTALLATION.
- 4. CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS OF FOOTERS WITH REINFORCING AS REQUIRED.
- 5. ENSURE A SIDEWALK CLEARANCE OF 4' IS MAINTAINED FROM BACK OF CURB



	REVI.	SIONS		KEITH AND ASSOCIATES, INC
DATE	DESCRIPTION	DATE	DESCRIPTION	301 E ATLANTIC BLVD POMPANO BEACH, FL 33060
				(954) 788-3400 MICHAEL J. PHILLIPS R.L.A NO 0001540

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION						
ROAD NO.	COUNTY	FINANCIAL PROJECT ID				
SR A1A	BROWARD	PB1935-3				

HARDS CAPE DETAILS

SHEET

HSD-35