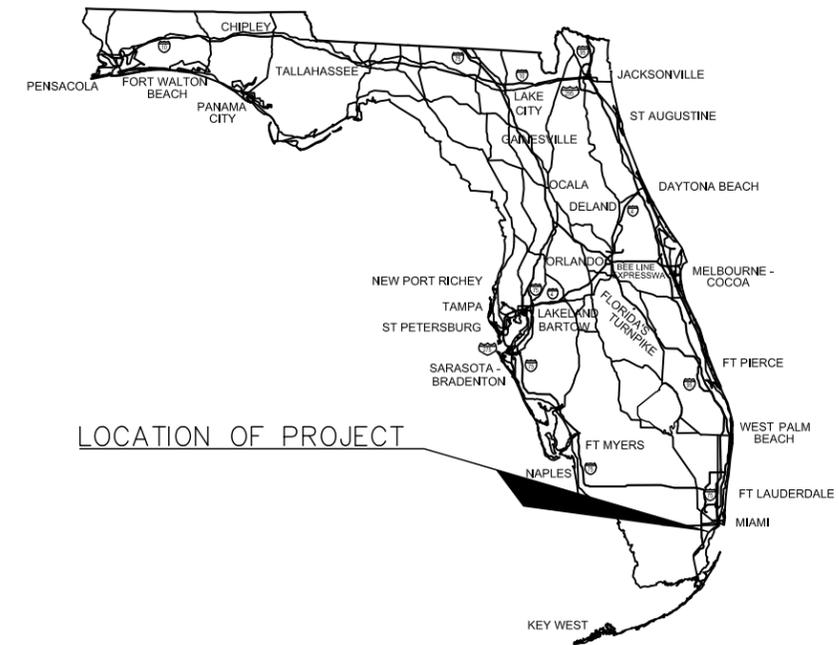




**VILLAGE OF PINECREST
FLORIDA**

CONTRACT PLANS
for
SW 88TH ST./KENDALL DRIVE
FROM US-1/S. DIXIE HWY. TO SW 65TH CT.

PROJECT NO. 2016-012



LOCATION OF PROJECT

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CTL-1	PROJECT NETWORK CONTROL

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, FY 2016-17 Design Standards and revised Index Drawings as appended herein, and July 2016 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/>

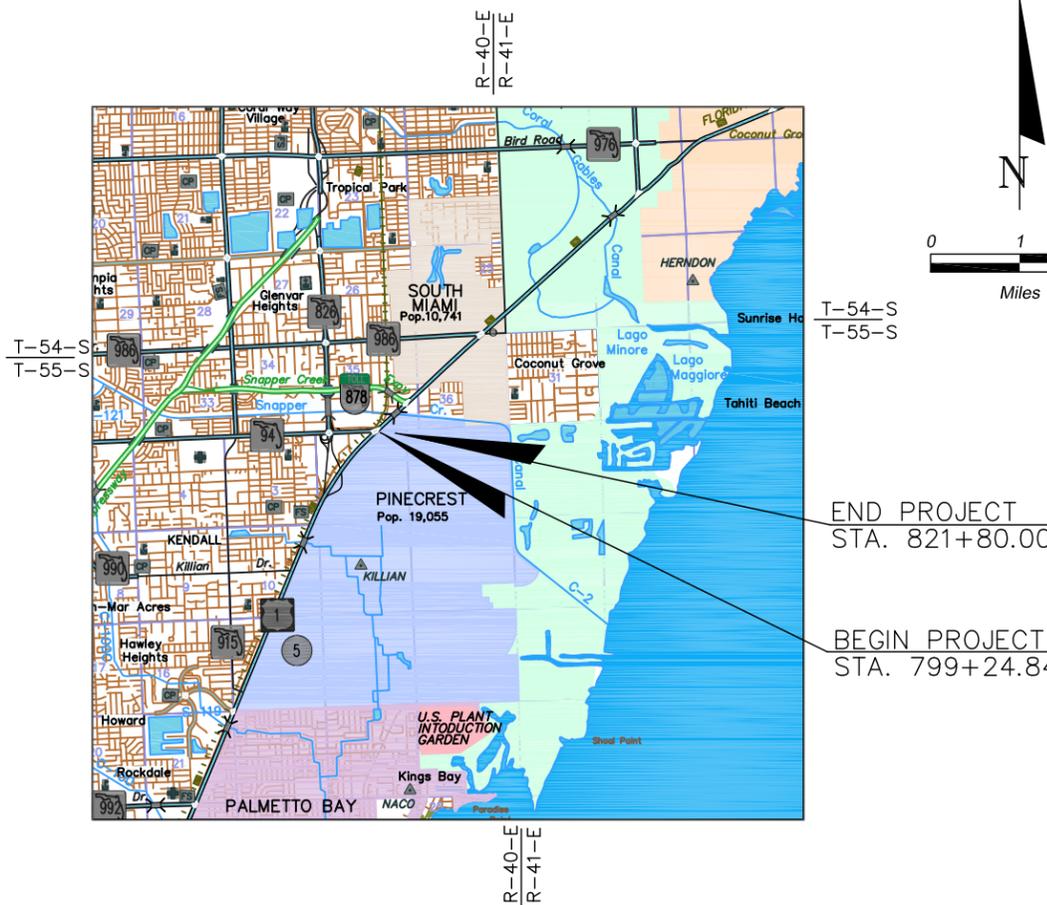
For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/programmanagement/>

VILLAGE COUNCIL

- CINDY LERNER - MAYOR
- JAMES E. McDONALD - VICE MAYOR
- CHERI BALL - COUNCIL MEMBER
- DOUG KRAFT - COUNCIL MEMBER
- BOB ROSS - COUNCIL MEMBER

VILLAGE STAFF

- YOCELYN GALIANO GOMEZ - VILLAGE MANAGER
- MARK SPANIOILI, P.E. - PUBLIC WORKS DIRECTOR



LANDSCAPE PLANS PREPARED BY:

O'LEARY RICHARDS DESIGN ASSOC., INC.
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8525 SW 92nd STREET, SUITE C11
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P. 305.596.6628 F. 305.596.9160
CERT. OF AUTH. NO.: LC26000195
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ROADWAY & LIGHTING PLANS PREPARED BY:

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

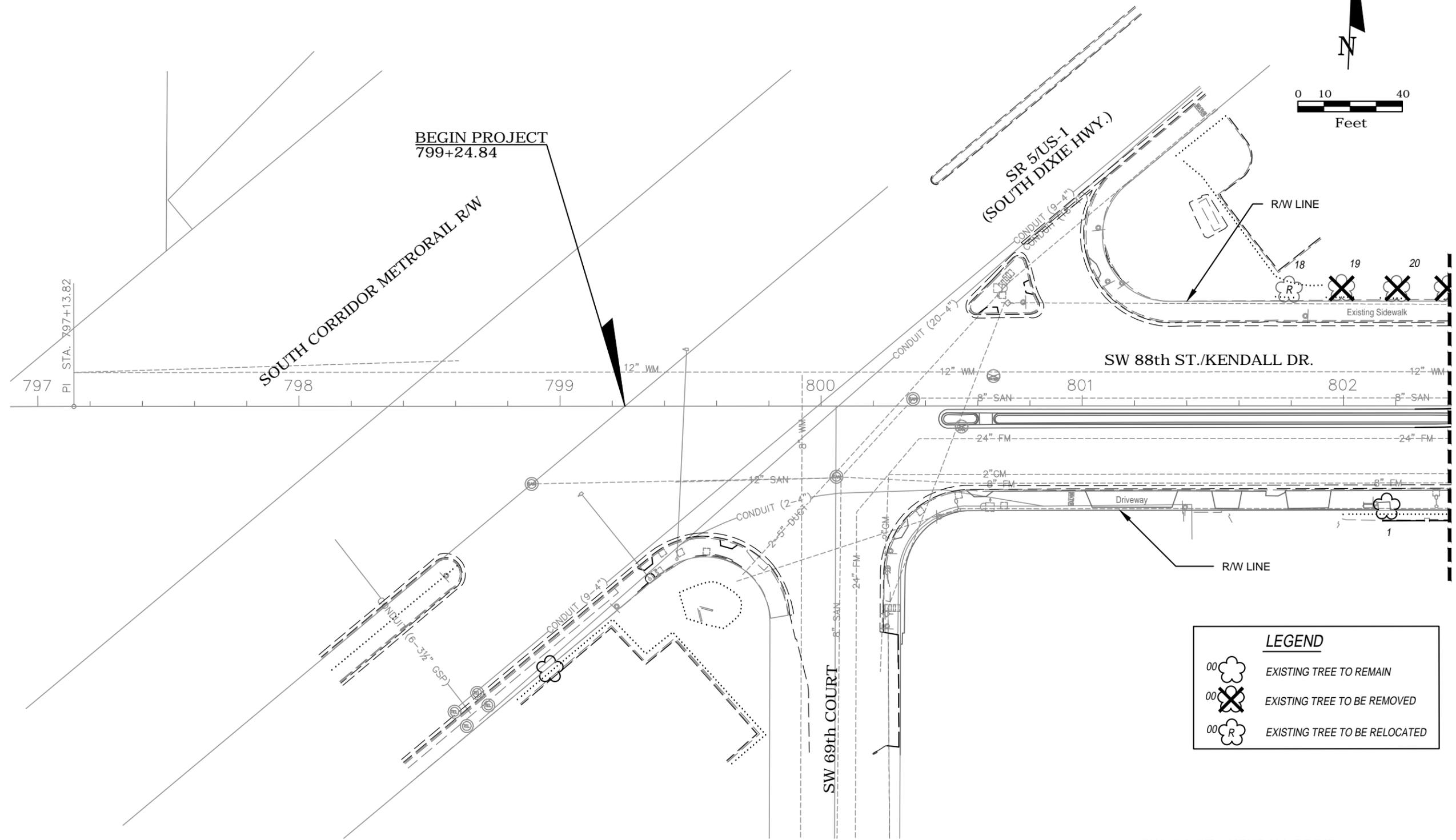
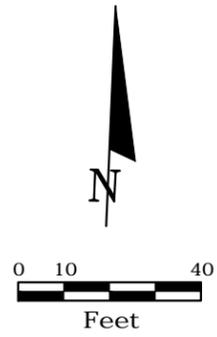
PROJECT MANAGER: MARK SPANIOILI, PE

ISSUING DATE: 10/3/2016

BID SET
10/3/2016

SHEET

LD-1



LEGEND

- 00 EXISTING TREE TO REMAIN
- 00 EXISTING TREE TO BE REMOVED
- 00 EXISTING TREE TO BE RELOCATED

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

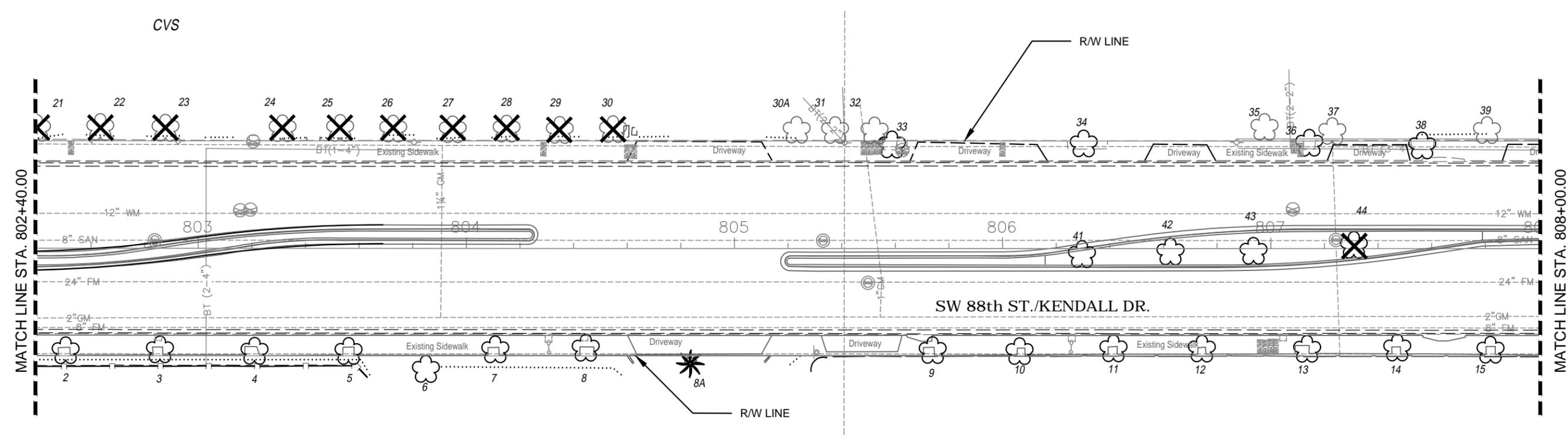
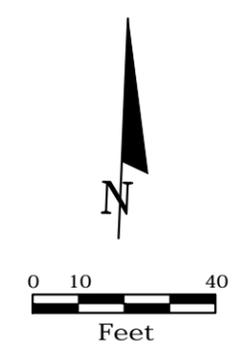
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 Kathryn O'Leary Richards LA#0001317

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

EXISTING TREE DISPOSITION PLAN

SHEET NO.
LD-2



LEGEND	
00	EXISTING TREE TO REMAIN
00	EXISTING TREE TO BE REMOVED
00	EXISTING TREE TO BE RELOCATED

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

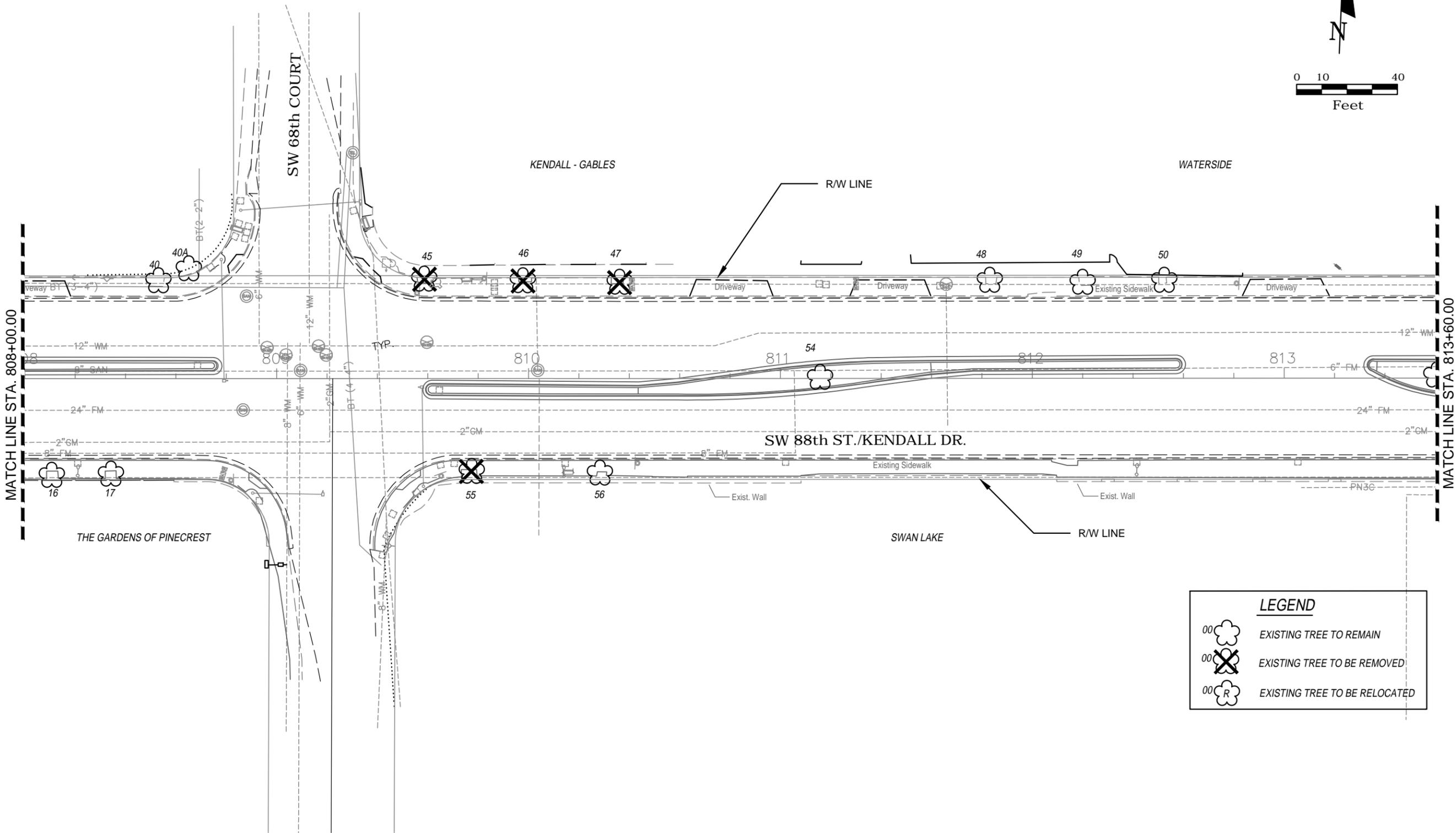
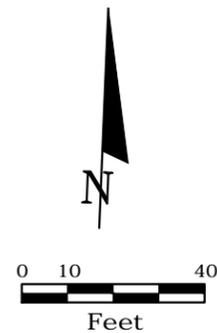
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VILLAGE OF PINECREST FLORIDA		
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2016-012	MIAMI-DADE	OCTOBER 3, 2016

EXISTING TREE DISPOSITION PLAN

SHEET NO.
LD-3



LEGEND

- 00 EXISTING TREE TO REMAIN
- 00 EXISTING TREE TO BE REMOVED
- 00 EXISTING TREE TO BE RELOCATED

SW 88th ST. / KENDALL DRIVE
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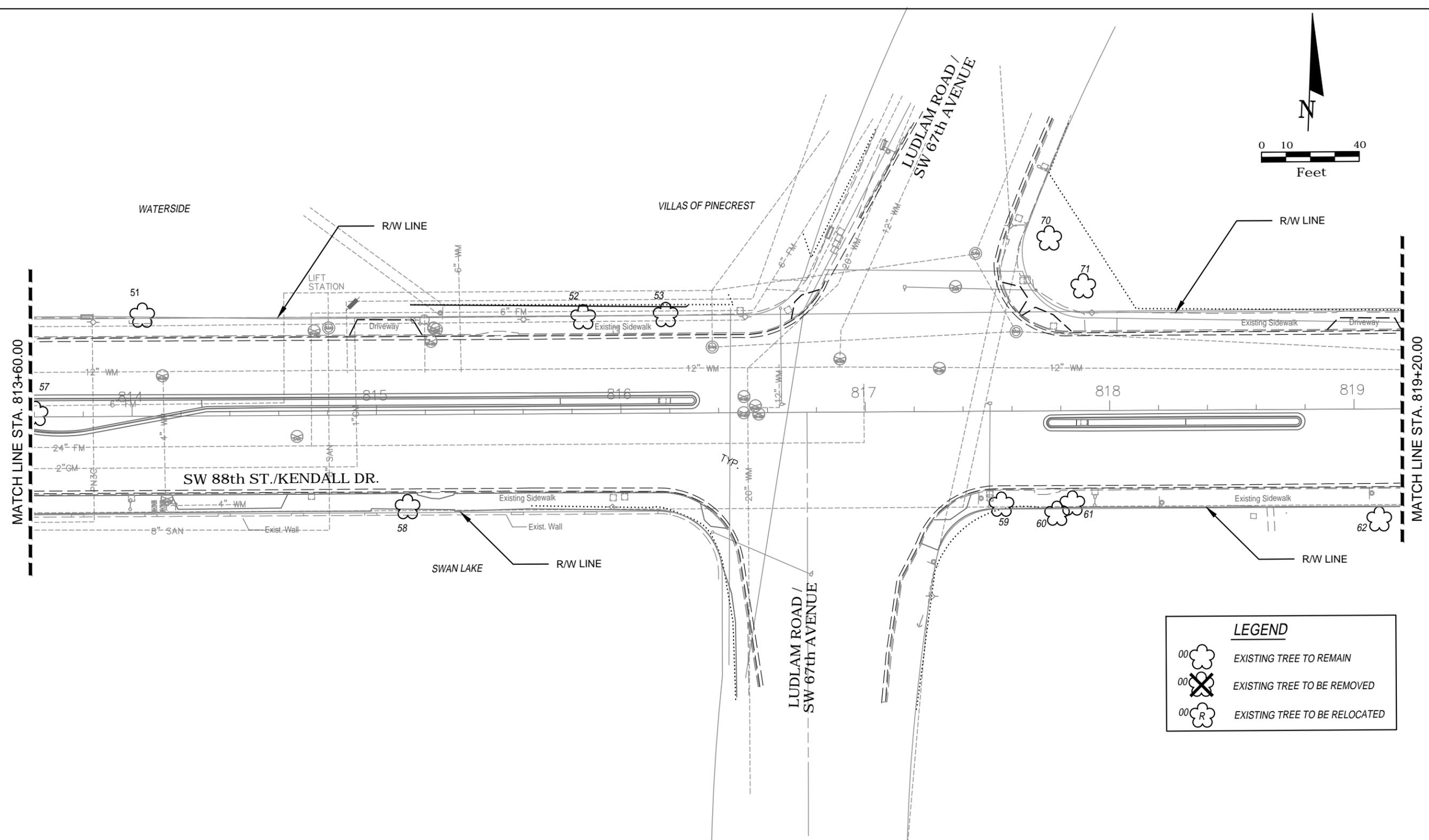
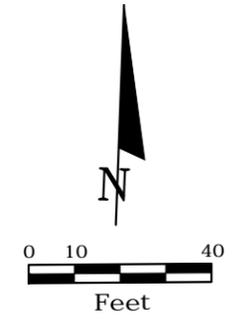
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VILLAGE OF PINECREST FLORIDA		
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2016-012	MIAMI-DADE	OCTOBER 3, 2016

EXISTING TREE DISPOSITION PLAN

SHEET NO.
LD-4



LEGEND

- 00 EXISTING TREE TO REMAIN
- 00 EXISTING TREE TO BE REMOVED
- 00 EXISTING TREE TO BE RELOCATED

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

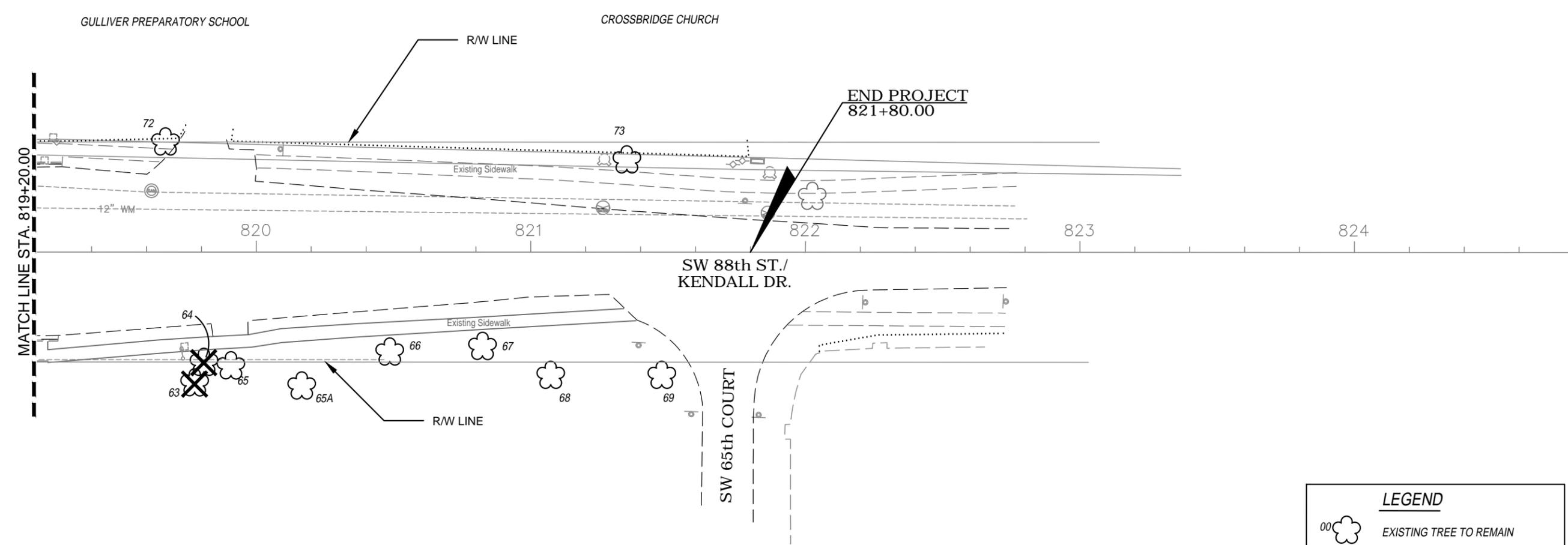
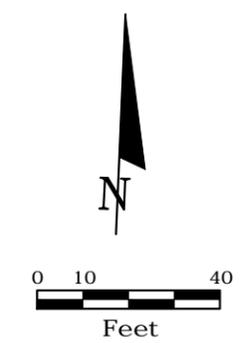
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VILLAGE OF PINECREST FLORIDA		
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2016-012	MIAMI-DADE	OCTOBER 3, 2016

EXISTING TREE DISPOSITION PLAN

SHEET NO.
LD-5



LEGEND

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RELOCATED

SW 88th ST. / KENDALL DRIVE
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

EXISTING TREE DISPOSITION PLAN

SHEET NO.
LD-6

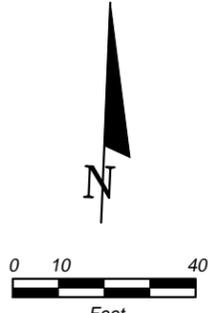
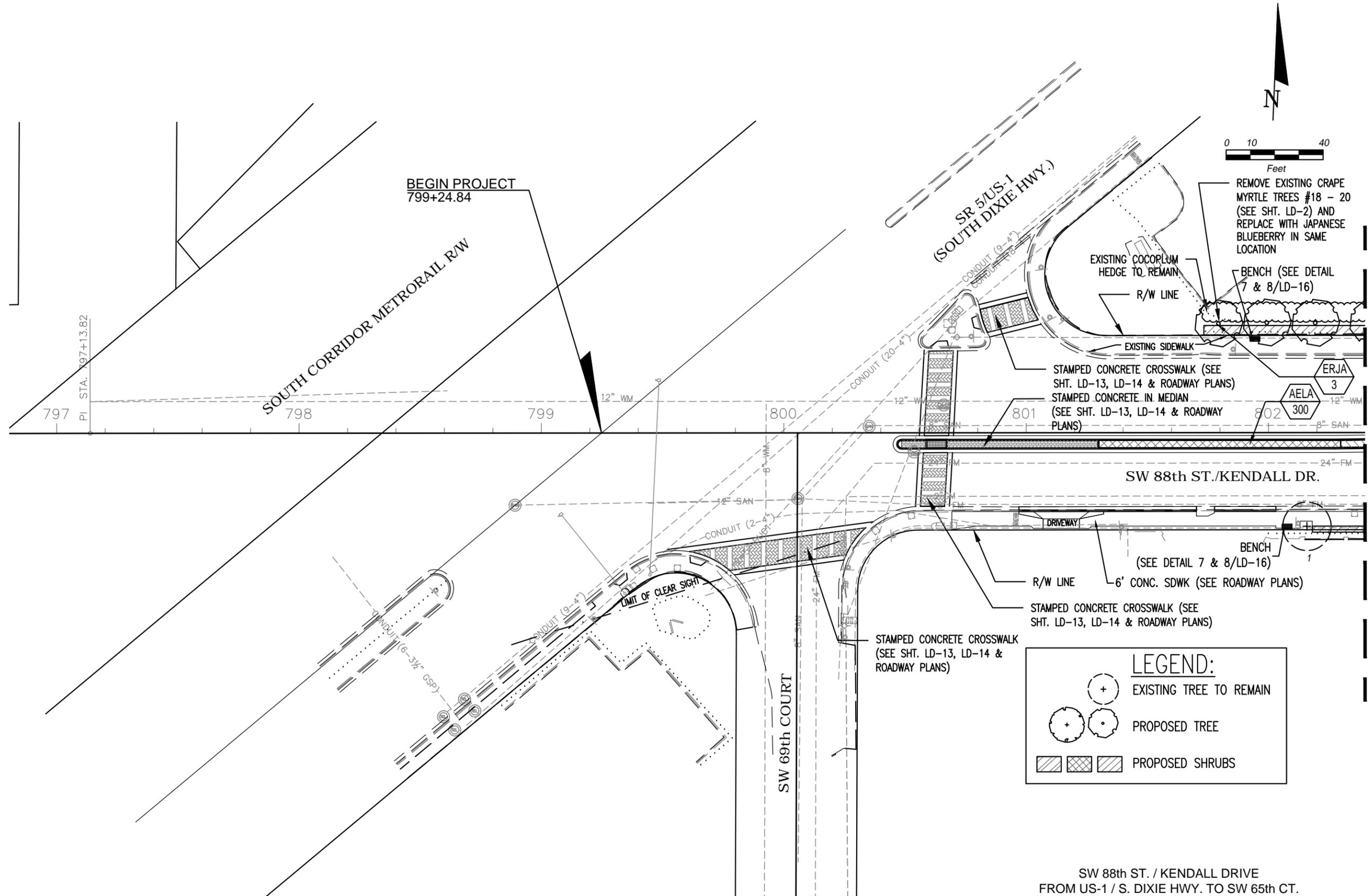
EXISTING TREE DISPOSITION CHART (BASE BID)												
TREE NO.	SCIENTIFIC NAME	COMMON NAME	DBH (")	HT. (')	SPD. (')	CONDITION	NATIVE	SPECIMEN	DISPOSITION			NOTES
									REMOVE	RETAIN	RELOCATE	
1	BUCIDA BUCERAS	BLACK OLIVE	23	30	36	GOOD		X		X		
2	BUCIDA BUCERAS	BLACK OLIVE	17	34	30	GOOD				X		
3	BUCIDA BUCERAS	BLACK OLIVE	19	34	45	GOOD		X		X		
4	BUCIDA BUCERAS	BLACK OLIVE	22	34	45	GOOD		X		X		
5	BUCIDA BUCERAS	BLACK OLIVE	16	35	24	GOOD				X		
6	DELONIX REGIA	ROYAL POINCIANA	35	33	40	GOOD		X		X		
7	BUCIDA BUCERAS	BLACK OLIVE	15	38	35	GOOD				X		
8	BUCIDA BUCERAS	BLACK OLIVE	29	40	51	GOOD		X		X		
8A	ROYSTONIA ELATA	ROYAL PALM	12	20	15	GOOD				X		OUTSIDE R/W
9	BUCIDA BUCERAS	BLACK OLIVE	20	35	30	GOOD		X		X		
10	BUCIDA BUCERAS	BLACK OLIVE	12	15	24	GOOD				X		
11	BUCIDA BUCERAS	BLACK OLIVE	14	15	30	GOOD				X		
12	BUCIDA BUCERAS	BLACK OLIVE	21	42	36	GOOD		X		X		
13	BUCIDA BUCERAS	BLACK OLIVE	12	18	25	GOOD				X		
14	BUCIDA BUCERAS	BLACK OLIVE	10	18	25	GOOD				X		
15	BUCIDA BUCERAS	BLACK OLIVE	13	18	24	GOOD				X		
16	BUCIDA BUCERAS	BLACK OLIVE	18	18	24	GOOD		X		X		
17	BUCIDA BUCERAS	BLACK OLIVE	11+8	20	30	GOOD		X		X		
18	LAGERSTROEMIA INDICA	WHITE CRAPE MYRTLE	6	14	10	GOOD					X	OUTSIDE R/W
19	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	13	GOOD			X			OUTSIDE R/W
20	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
21	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
22	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
23	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
24	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
25	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
26	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
27	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	6	GOOD			X			OUTSIDE R/W
28	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	6	GOOD			X			OUTSIDE R/W
29	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	12	10	GOOD			X			OUTSIDE R/W
30	LAGERSTROEMIA INDICA	PINK CRAPE MYRTLE	3	10	10	GOOD			X			OUTSIDE R/W
30A	LAGERSTROEMIA INDICA	WHITE CRAPE MYRTLE	3	12	10	GOOD				X		OUTSIDE R/W
31	LAGERSTROEMIA INDICA	WHITE CRAPE MYRTLE	6	12	6	GOOD				X		OUTSIDE R/W
32	LAGERSTROEMIA INDICA	WHITE CRAPE MYRTLE	6	12	6	GOOD				X		OUTSIDE R/W
33	BUCIDA BUCERAS	BLACK OLIVE	18	30	18	GOOD		X		X		
34	BUCIDA BUCERAS	BLACK OLIVE	17	30	17	GOOD				X		
35	QUERCUS VIRGINIANA	LIVE OAK	23	23	30	GOOD	X	X		X		
36	BUCIDA BUCERAS	BLACK OLIVE	15	23	24	GOOD				X		
37	QUERCUS VIRGINIANA	LIVE OAK	14	24	18	GOOD	X			X		
38	BUCIDA BUCERAS	BLACK OLIVE	14	20	20	GOOD				X		
39	QUERCUS VIRGINIANA	LIVE OAK	8	15	15	GOOD	X			X		
40	BUCIDA BUCERAS	BLACK OLIVE	19	24	44	GOOD		X		X		
40A	QUERCUS VIRGINIANA	LIVE OAK	8	20	15	FAIR	X			X		OUTSIDE R/W
41	SWIETENIA MAHOGANI	MAHOGANY	36	35	50	GOOD	X	X		X		
42	SWIETENIA MAHOGANI	MAHOGANY	19	35	50	GOOD	X	X		X		
43	SWIETENIA MAHOGANI	MAHOGANY	36	35	50	GOOD	X	X		X		
44	SWIETENIA MAHOGANI	MAHOGANY	7+6	18	15	FAIR	X		X			
45	BISCHOFIA JAVANICA	BISHOPWOOD	36	25	45	POOR		X	X			INVASIVE
46	BISCHOFIA JAVANICA	BISHOPWOOD	24	25	24	POOR		X	X			INVASIVE
47	BISCHOFIA JAVANICA	BISHOPWOOD	21	23	20	POOR			X			INVASIVE
49	BUCIDA BUCERAS	BLACK OLIVE	14	20	25	GOOD				X		
49	BUCIDA BUCERAS	BLACK OLIVE	15	22	30	GOOD				X		
50	BUCIDA BUCERAS	BLACK OLIVE	13	22	30	GOOD				X		
51	FICUS AUREA	STRANGLER FIG	32	30	57	GOOD	X	X		X		
52	BUCIDA BUCERAS	BLACK OLIVE	16	35	38	GOOD				X		
53	DELONIX REGIA	ROYAL POINCIANA	10+16	35	40	GOOD		X		X		
54	SWIETENIA MAHOGANI	MAHOGANY	22	36	40	GOOD	X	X		X		
55	SWIETENIA MAHOGANI	MAHOGANY	21	40	24	POOR	X	X	X			INCLUDED BARK
56	BUCIDA BUCERAS	BLACK OLIVE	13	35	28	GOOD				X		
57	SWIETENIA MAHOGANI	MAHOGANY	28	45	54	GOOD	X	X		X		
58	BUCIDA BUCERAS	BLACK OLIVE	21	65	40	GOOD		X		X		
59	BUCIDA BUCERAS	BLACK OLIVE	24	50	25	GOOD		X		X		
60	MANGIFERA INDICA	MANGO	10+10	15	10	GOOD		X		X		
61	BUCIDA BUCERAS	BLACK OLIVE	23	40	35	GOOD		X		X		
62	MANGIFERA INDICA	MANGO	24	20	25	GOOD				X		OUTSIDE R/W
63	SCHINUS TEREBINTHIFOLIUS	BRAZILIAN PEPPER	3+3+3	12	6	GOOD			X			OUTSIDE R/W & INVASIVE
64	SCHIFFERIA ACTINOPHYLLA	UMBRELLA TREE	10+4+6	25	15	GOOD		X	X			OUTSIDE R/W & INVASIVE
65	MANILKARA ZAPOTA	SAPODILLA	10+10+10	36	30	GOOD		X		X		OUTSIDE R/W
65A	QUERCUS VIRGINIANA	LIVE OAK	22	35	35	GOOD	X	X		X		OUTSIDE R/W
66	SWIETENIA MAHOGANI	MAHOGANY	4	18	12	GOOD	X			X		
67	SWIETENIA MAHOGANI	MAHOGANY	4	18	14	GOOD	X			X		
68	QUERCUS VIRGINIANA	LIVE OAK	9	14	10	GOOD				X		
69	CASSIA FISTULA	GOLDEN SHOWER TREE	3	8	4	FAIR				X		OUTSIDE R/W
70	BULNESIA ARBOREA	VERAWOOD	3	12	12	GOOD				X		OUTSIDE R/W
71	BULNESIA ARBOREA	VERAWOOD	3	18	12	GOOD				X		OUTSIDE R/W
72	DELONIX REGIA	ROYAL POINCIANA	12	30	32	GOOD				X		OUTSIDE R/W
73	DELONIX REGIA	ROYAL POINCIANA	20	30	32	GOOD		X		X		

NOTE:
ALL TREES TO BE RELOCATED OR REMOVED THAT ARE LOCATED OUTSIDE RIGHT-OF-WAY ARE TO BE COORDINATED WITH VILLAGE OF PINECREST PUBLIC WORKS DEPARTMENT PRIOR TO ANY WORK.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						O'Leary Richards Design Associates, Inc.	Landscape Architecture & Planning 8525 SW 92nd Street, Suite C-11 Miami, Florida 33156 P. (305)596-6628 F. (305)596-9160 www.olearyrichards.com Certificate of Authorization LC26000195 Kathryn O'Leary Richards LA#0001317	VILLAGE OF PINECREST FLORIDA			SHEET NO. LD-7
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NO.	COUNTY	DATE	
								2016-012	MIAMI-DADE	OCTOBER 3, 2016	

EXISTING TREE DISPOSITION CHART



LEGEND:

-  EXISTING TREE TO REMAIN
-  PROPOSED TREE
-  PROPOSED SHRUBS

SW 88th ST. / KENDALL DRIVE
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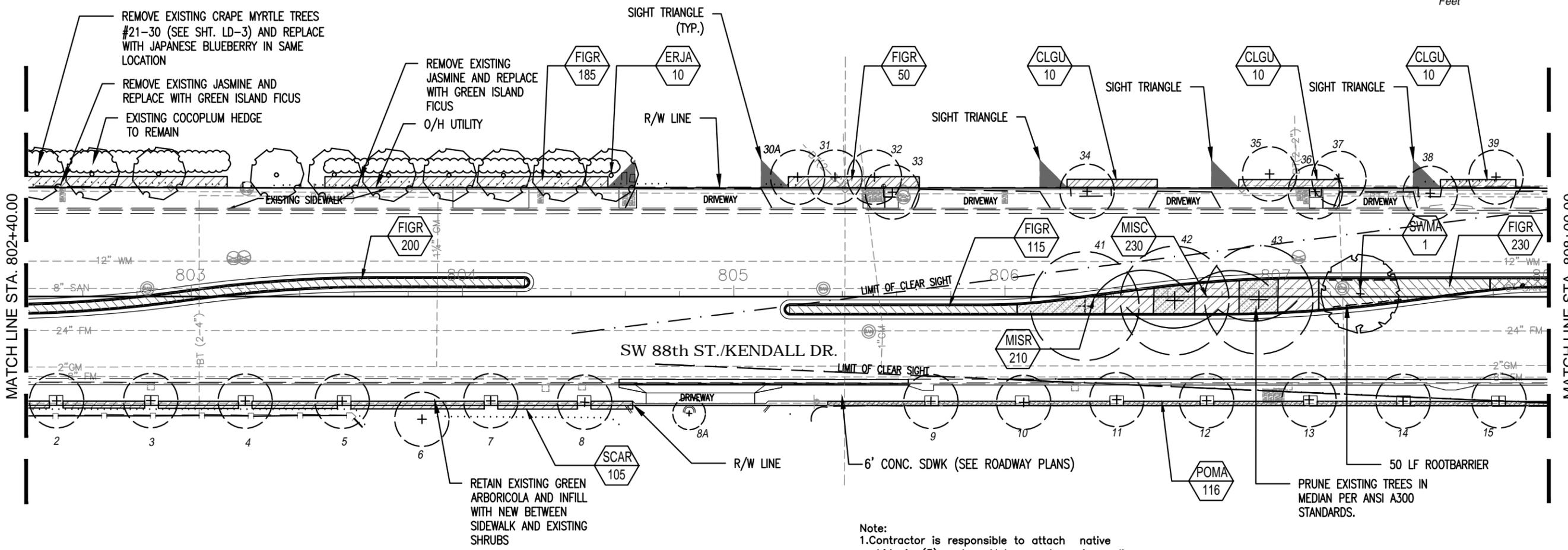
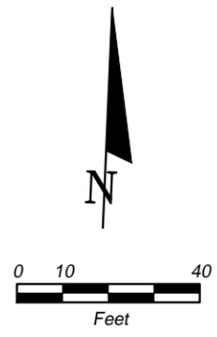
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LANDSCAPE PLAN

SHEET NO.
LD-8



Note:
 1. Contractor is responsible to attach native orchids in (5) mature Mahogany trees in median between Sta. 806+00 and Sta. 813+80 (30 orchids per tree = 150 orchids total). Orchids to be provided by Fairchild Tropical Botanical Gardens (FTBG) as part of their Million Orchid project. Contractor to water orchids until established as per recommendation of FTGB. Coordinate with Village of Pinecrest PW Dept. and Fairchild Tropical Botanical Garden. Contact Morgan Brooks, FTBG, 305-667-1651 Ext. 3309.
 2. Cost of pruning existing trees is included in Pay Item No. 110-1-1, Clearing & Grubbing. Prune trees in accordance with ANSI A300. A certified Arborist shall oversee all pruning operations.

LEGEND:

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUBS

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 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

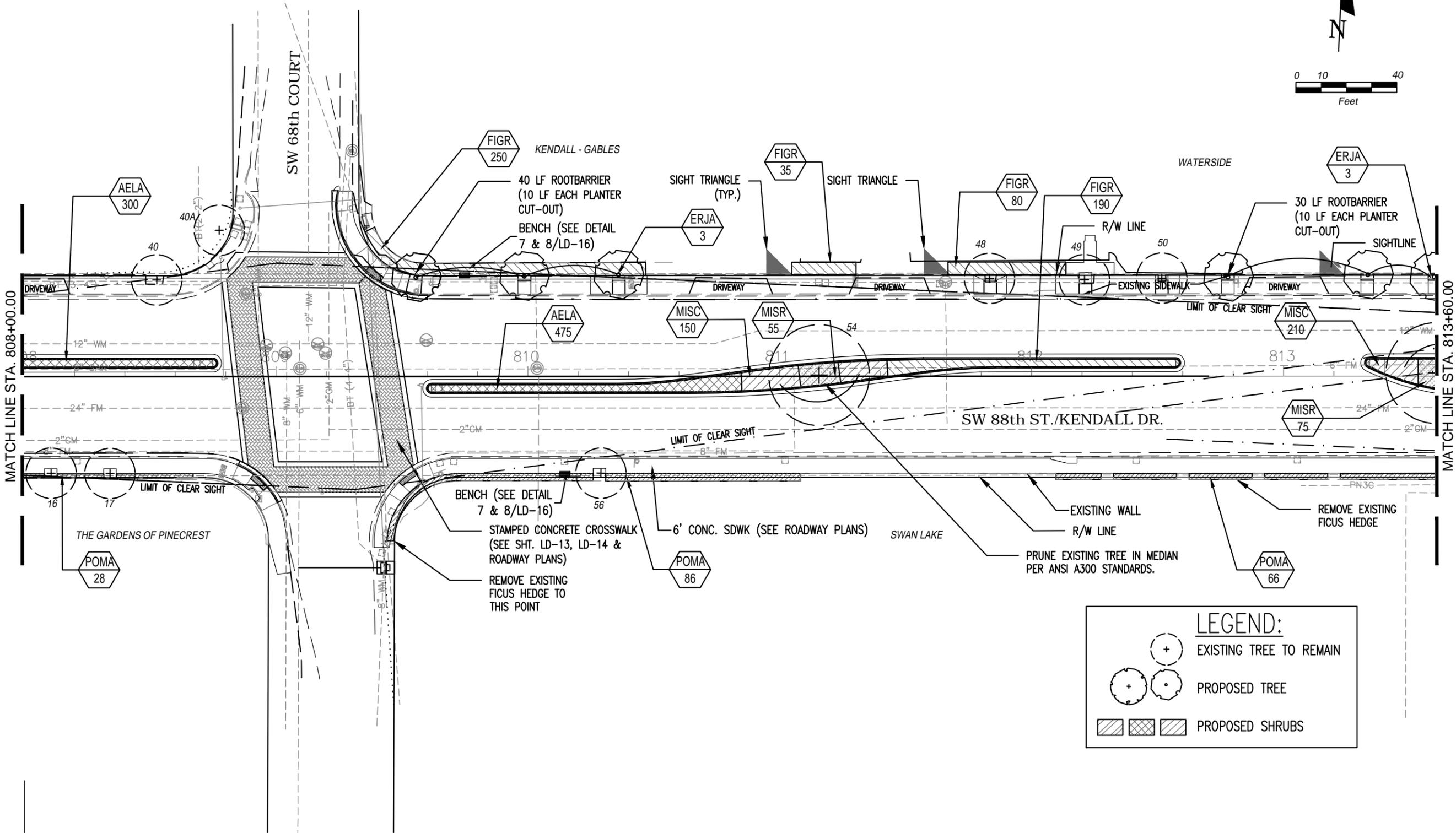
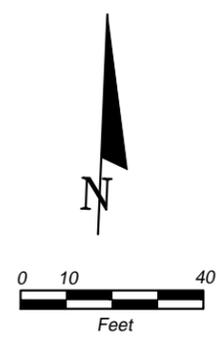
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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

LANDSCAPE PLAN

SHEET NO.
LD-9



SW 88th ST. / KENDALL DRIVE
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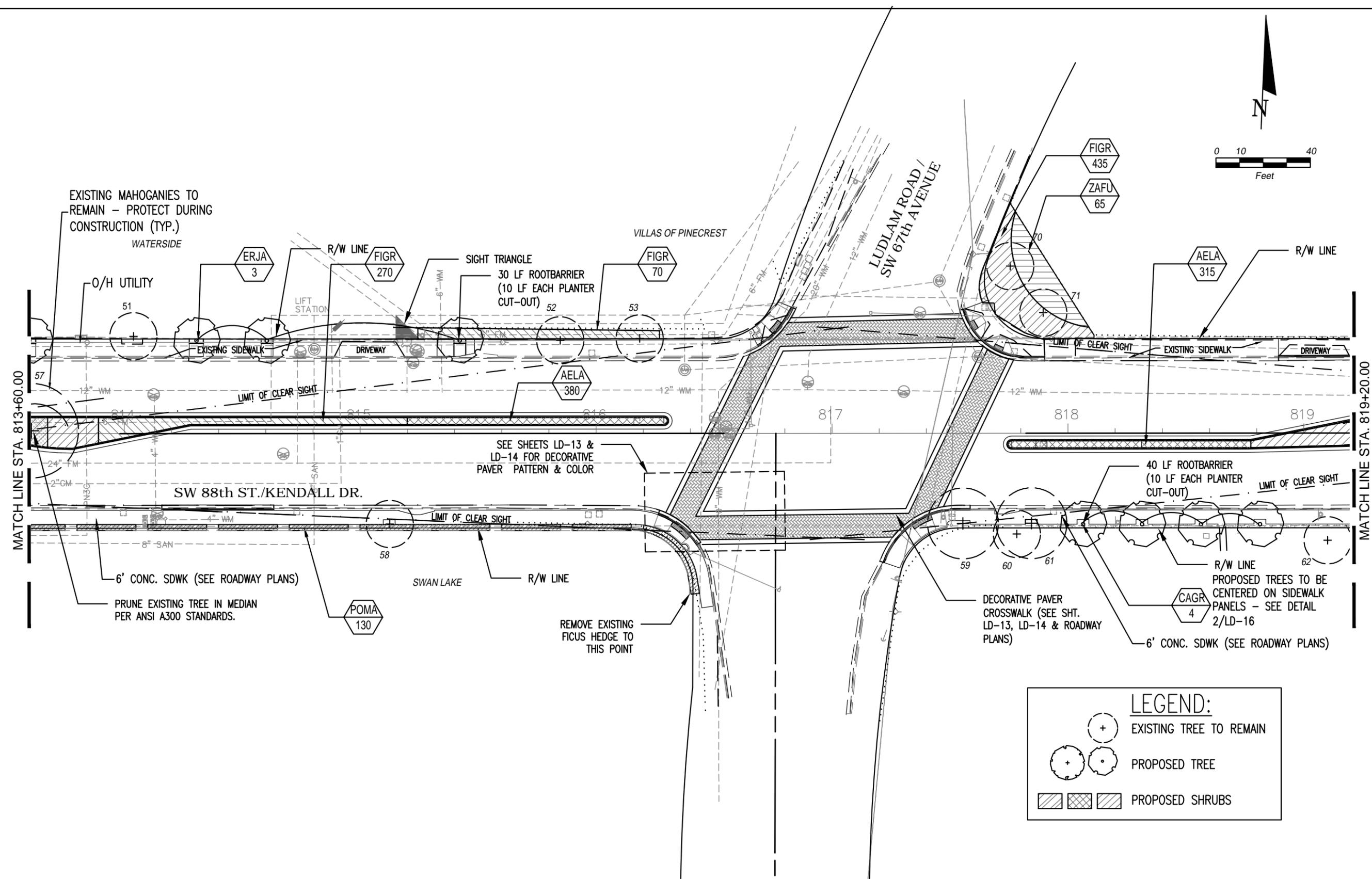
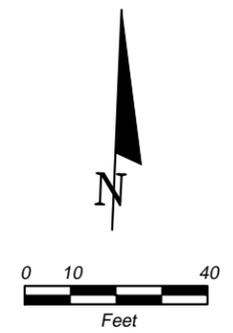
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LANDSCAPE PLAN

SHEET NO.
LD-10



LEGEND:

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUBS

SW 88th ST. / KENDALL DRIVE
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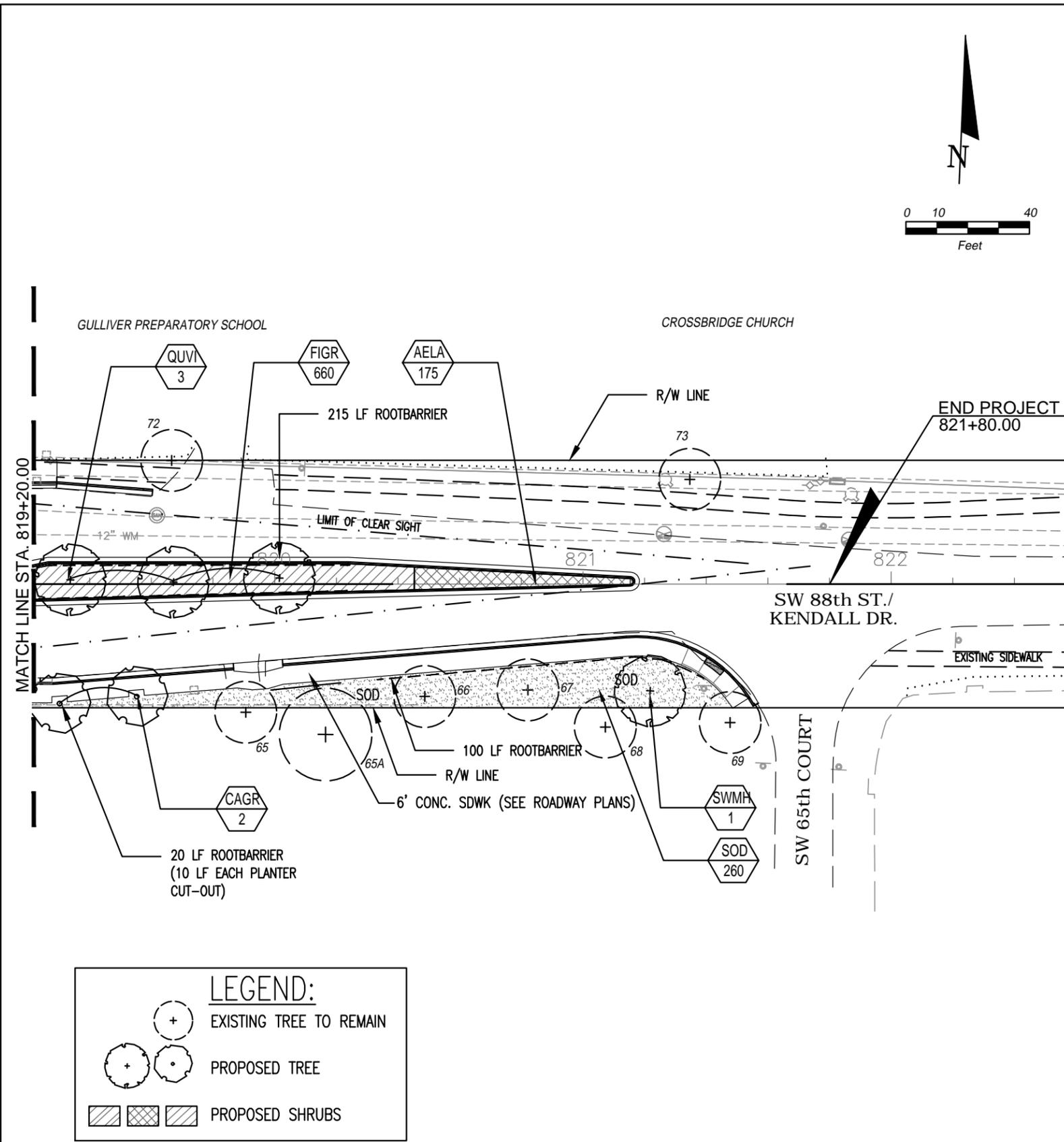
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LANDSCAPE PLAN

SHEET NO.
LD-11



LEGEND:

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PROPOSED SHRUBS

TABULATION OF QUANTITIES / PLANT SCHEDULE								
FDOT PAY ITEM NO.	KEY	SCIENTIFIC NAME	COMMON NAME	UNIT	QTY	INSTALLED SIZE	NATIVE	MAXIMUM MAINTAINED SIZE
580-1-2	TREES & PALMS (LARGE)							
		Relocated Tree		EA	1	Refer to Tree Disposition Chart		
	CAGR	Caesalpinia granadillo	Bridalveil Tree	EA	6	14' Ht. x 7'-8" Sp., 2.5" Cal., Std., 65 Gal., Single Straight Trunk, 6' CT	NO	NATURAL HEIGHT
	ERJA	Elaeocarpus decipiens	Japanese Blueberry	EA	22	14' Ht. x 5' Sp., 2" Cal., Std., Single Straight Trunk, 6' CT	NO	NATURAL HEIGHT
	QUVI	Quercus virginiana	Live Oak	EA	3	18'-20' Ht. x 10'-12' Sp., 8" Cal. min., Single Straight Trk, 8' CT, FL. Fancy	YES	NATURAL HEIGHT
	SWMA	Swietenia mahogani	Mahogany	EA	1	18'-20' Ht. x 10'-12' Sp., 8" Cal. min., Single Straight Trk, 8' CT	YES	NATURAL HEIGHT
	SWMH	Swietenia mahogani	Mahogany	EA	1	14' Ht. x 5'-6' Sp., 2.5" Cal., Single Straight Trunk, 6' CT	YES	NATURAL HEIGHT
		Rootbarrier	Deeproot Model #UB-18-2	LF	525	Install per manufacturer's instructions as required		
580-1-1	SHRUBS & GROUNDCOVER (SMALL)							
	AELA	Aerva lanata 'Red Velvet'	Red Velvet Aerva	EA	1945	1 Gal., 12" Ht. x 10" Sp., Full to base, 12" o.c.	NO	18" HT.
	CLGU	Clusia guttifera	Small-leaf Clusia	EA	30	7 Gal., 36" Ht. x 24" Sp., Full to base, 36" o.c.	YES	48" HT.
	FIGR	Ficus microcarpa 'Green Island'	Green Island Ficus	EA	2770	3 Gal., 16" Ht. x 16" Sp., Full to base, 18" o.c.	NO	24" HT.
	MISC	Microsorium scolopendrium	Wart Fern	EA	590	3 Gal., 16" Ht. x 16" Sp., Full to base, 18" o.c.	NO	NATURAL HEIGHT
	MISR	Microsorium scolopendrium	Wart Fern	EA	340	1 Gal., 12" Ht. x 12" Sp., Full to base, adj. to Mahogany roots to minimize impact to roots	NO	NATURAL HEIGHT
	POMA	Podocarpus macrophyllus 'Maki'	Japanese Yew	EA	426	7 Gal., 36" Ht. x 20" Sp., Full to base, 24" o.c.	NO	72" HT.
	SCAR	Schefflera arboricola	Green arboricola	EA	105	3 Gal., 24" Ht. x 18" Sp., Full to base, 24" o.c.	NO	30" HT.
	ZAFU	Zamia furfuracea	Cardboard Palm	EA	65	7 Gal., 30" Ht. x 30" Sp., Full to base, 36" o.c.	YES	NATURAL HEIGHT
570-1-2	PERFORMANCE, SOD							
	SOD	Stenotaphrum secundatum 'Floratum'	St. Augustine 'Floratum' Sod	SY	260	Install on 2" topsoil bed		
580-2-5	LANDSCAPE - RELOCATE TREE							
590-70	IRRIGATION COMPLETE							
721-75-1	BENCH (F&I) PRE-FABRICATED							

PAY ITEM NOTES:

Item No. 580-1-1, 580-1-2 & 580-2-5	Includes all labor, materials, equipment and incidentals in accordance with plans and specifications including but not limited to plants, planting soil, unsuitable soil removal and disposal, special bed preparation, staking, mulch, fertilizer, root barrier, orchid attachment, hand watering, post and pre-emergent herbicide, guarantee and maintenance during establishment period. Also includes the cost of temporary watering and tree protection per Index 544 of existing trees during construction and incidental clearing and grubbing as it relates to landscape.
Item No. 570-1-2	Includes the cost of associated topsoil layer, backfill, soil amendments, fertilizer, water, and any other necessary materials, labor and equipment for complete installation per plans.
Item No. 590-70	Includes all labor, materials, equipment and incidentals for the complete installation of an automatic irrigation system by means of open trenching as specified in these plans and governing specifications. Includes cost of all system components and installation including, but not limited to valves, rain sensors, irrigation heads, leaky pipe, nozzles, fittings, pipes, electrical and irrigation sleeves, directional drilling, pull wires, EMS markers, controllers, clocks, backfilling, debris removal and system testing.
Item No. 721-75-1	Includes all labor, materials, equipment and incidentals for the complete installation of pre-fabricated benches.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						O'Leary Richards Design Associates, Inc. Landscape Architecture & Planning 8525 SW 92nd Street, Suite C-11 Miami, Florida 33156 P. (305)596-6628 F. (305)596-9160 www.olearyrichards.com Certificate of Authorization LC26000195 Kathryn O'Leary Richards LA#0001317	VILLAGE OF PINECREST FLORIDA			SHEET NO. LD-12
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

LANDSCAPE PLAN

KENDALL DRIVE/
SW 88TH STREET

LUDLAM ROAD/
SW 67TH AVENUE

STAMPED CONCRETE (TYP.)
4"X8" HERRINGBONE PATTERN WITH
SOLDIER COURSE BORDER
(SEE SHT. LD14 & ROADWAY PLANS)

12" WHITE STRIPING (TYP.)
(SEE ROADWAY PLANS)

12" WHITE STRIPING (TYP.)
(SEE ROADWAY PLANS)

PROPOSED 6' CONC. SIDEWALK
(SEE ROADWAY PLANS)

EXISTING CURB & GUTTER

12" WHITE STRIPING (TYP.)
(SEE ROADWAY PLANS)

1 TYPICAL CROSSWALK ENLARGEMENT PLAN

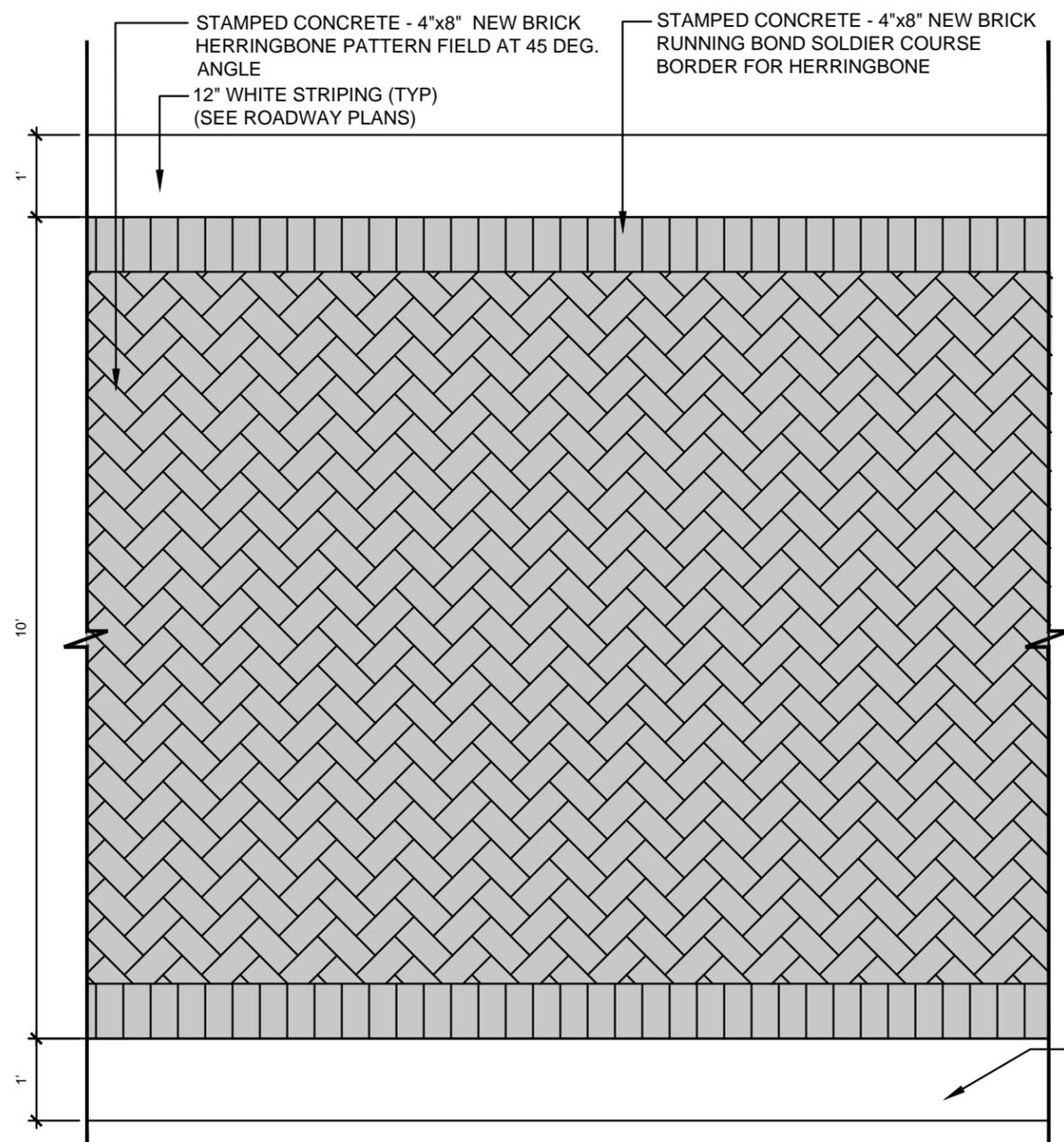
SW 88th ST. / KENDALL DRIVE
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HARDSCAPE PLAN
SHEET NO. LD-13



NOTE:

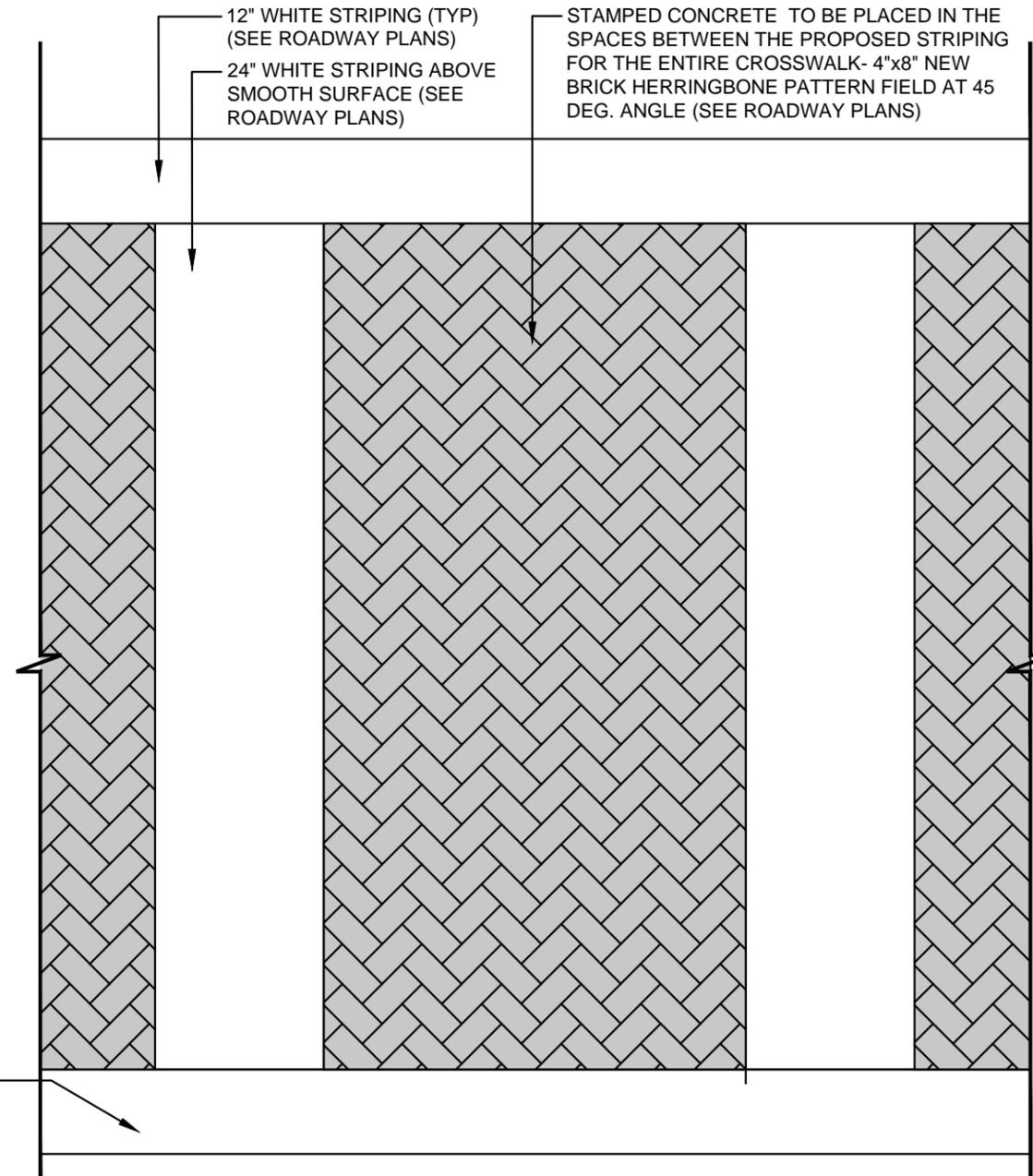
- CONTRACTOR TO PROVIDE A MINIMUM 10'x10' MOCK-UP TO INCLUDE ALL TEXTURE TYPES FOR REVIEW AND APPROVAL BY OWNER A MINIMUM OF 14 DAYS PRIOR TO SCHEDULED INSTALLATION. MOCK UP SHALL DEPICT COLOR AND PATTERN. BEFORE CONSTRUCTING A SAMPLE PATTERN OR LAYING OUT FINISHED PAVING, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE PROPOSED PAVING PATTERN AND COLOR FOR APPROVAL BY OWNER.
- STAMPED CONCRETE IN CROSSWALKS - 4"x8" NEW BRICK HERRINGBONE PATTERN (STAMP #2050) WITH NEW BRICK SOLDIER BORDER FOR HERRINGBONE PATTERN (STAMP #2060).
- STAMPED CONCRETE IN MEDIAN BULLNOSE BETWEEN STA. 800+45 AND STA. 801+30: 4"x8" NEW BRICK RUNNING BOND PATTERN (STAMP #2010).
- THE COLORS SHALL BE BLENDED THROUGHOUT THE ENTIRE CONCRETE MIX AND COLOR HARDENERS ON THE STAMPED CONCRETE SURFACES SHALL BE USED AS PART OF THE INSTALLATION. ALL MATERIALS USED SHALL MEET THE APPLICABLE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS FOR AN INSTALLATION OF THIS TYPE.
- REFER TO ROADWAY PLANS FOR INSTALLATION DETAILS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CONCRETE COLOR ADMIXTURE:

- CHROMIX INTEGRAL COLOR: CROSSWALK RED
- COLOR HARDENER: COLOR: LITHOCHROME BRICK RED #A-26
- ANTIQUING RELEASE COLOR: OYSTER WHITE #3611
- MANUFACTURER: L.M. SCOFIELD OR APPROVED EQUAL

TEXTURE TOOL

- NEW HERRINGBONE PATTERN #2050 (FIELD FOR CROSSWALKS)
- NEW BRICK SOLDIER BORDER #2060 (BORDER FOR CROSSWALKS)
- NEW BRICK RUNNING BOND PATTERS #2010 (MEDIAN)
- MANUFACTURER: LITHOTEX PAVECRAFTERS OR APPROVED EQUAL
- PATTERN TO BE SEAMLESS
- CONTACT: BILL COLLESTER, L.M. SCOFIELD, 727-515-1849, bill.collester@scofield.com



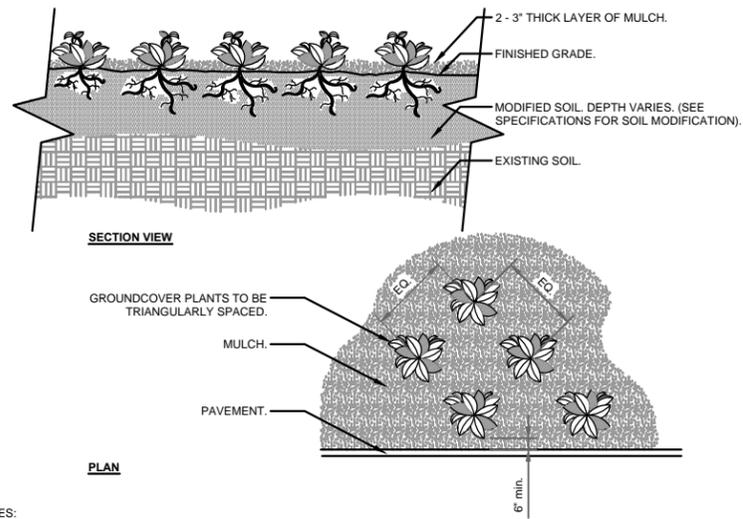
1 TYPICAL CROSSWALK PAVING PATTERN
SCALE: 1/2"=1'-0"

2 TYPICAL CROSSWALK PAVING PATTERN AT HIGH EMPHASIS CROSSWALK
SCALE: 1/2"=1'-0"

SW 88th ST. / KENDALL DRIVE
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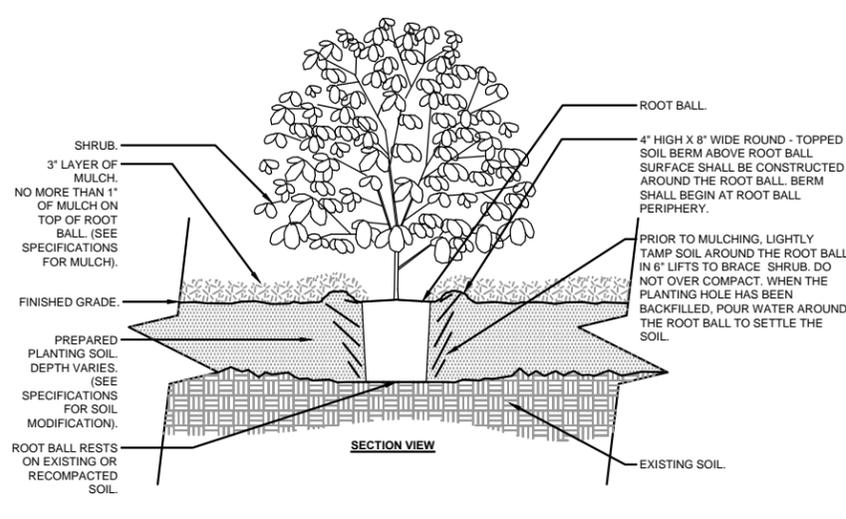
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NO.	COUNTY	DATE	
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HARDSCAPE PLAN



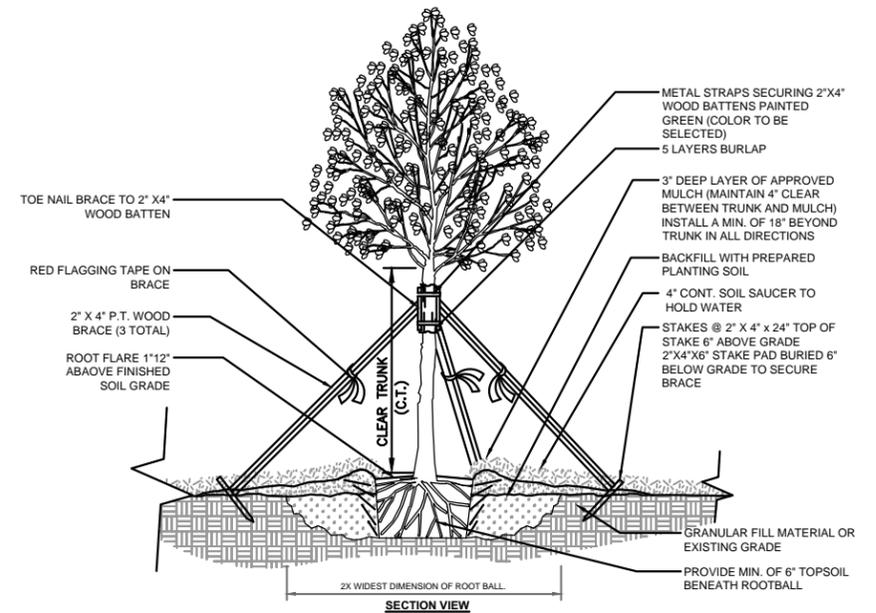
- NOTES:
 1- SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE, AND SPACING DIMENSION.
 2- SMALL ROOTS (1/4" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING.
 3- SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.

1 GROUNDCOVER SPACING DETAIL
 3/4" = 1'-0"

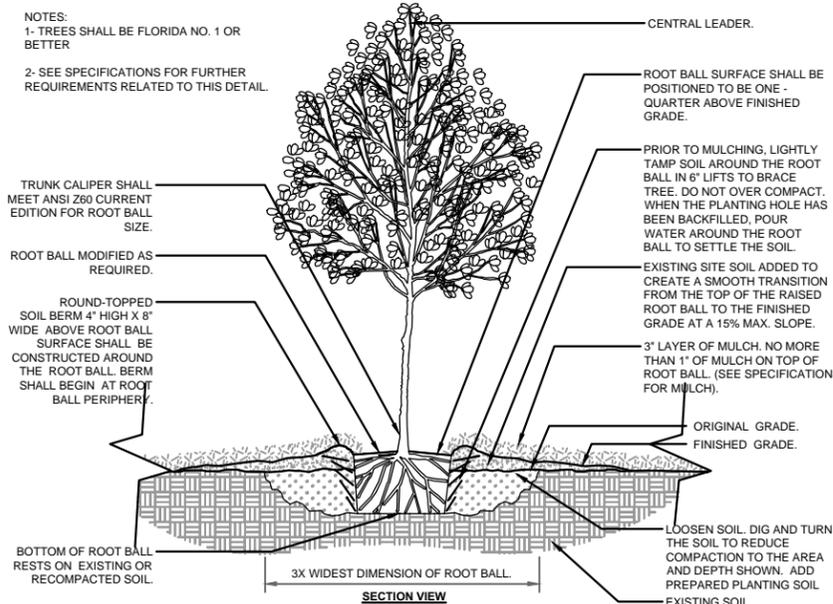


- NOTES:
 1- SHRUBS SHALL BE FLORIDA NO.1 OR BETTER.
 2- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL.

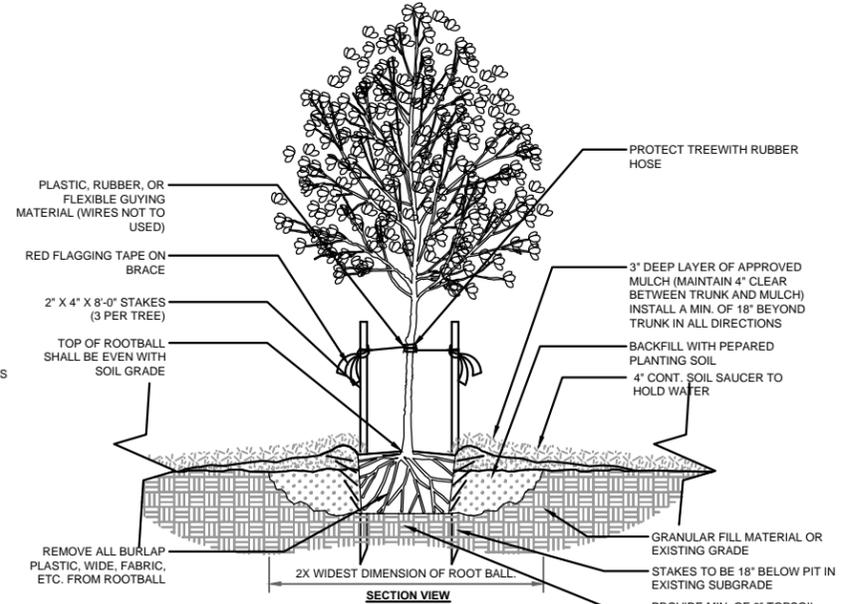
2 SHRUB DETAIL
 3/4" = 1'-0"



3 LARGE TREE STAKING DETAIL
 1/2" = 1'-0"



4 TREE IN POORLY DRAINED SOIL
 1/2" = 1'-0"



5 SMALL TREE STAKING DETAIL
 1/2" = 1'-0"

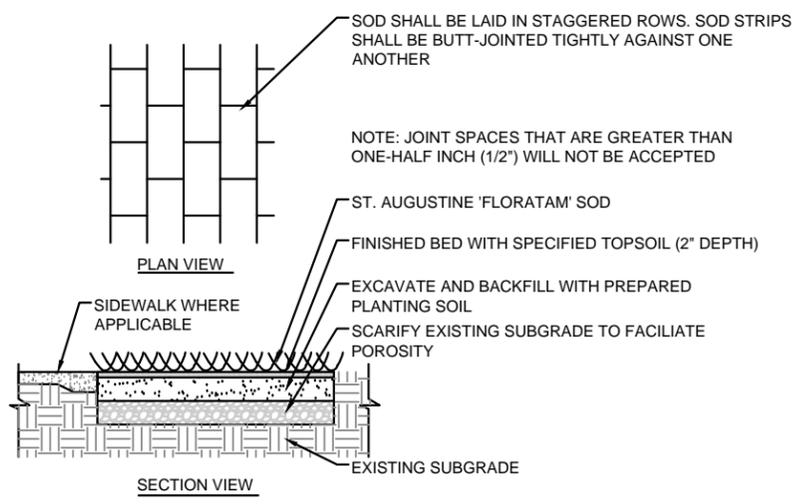
SW 88th ST. / KENDALL DRIVE
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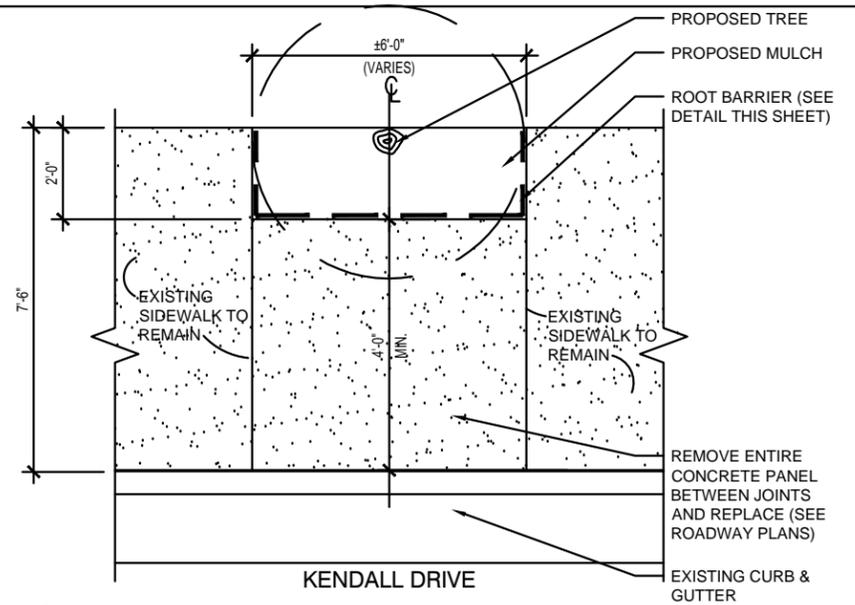
O'Leary Richards Design Associates, Inc.
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VILLAGE OF PINECREST FLORIDA		
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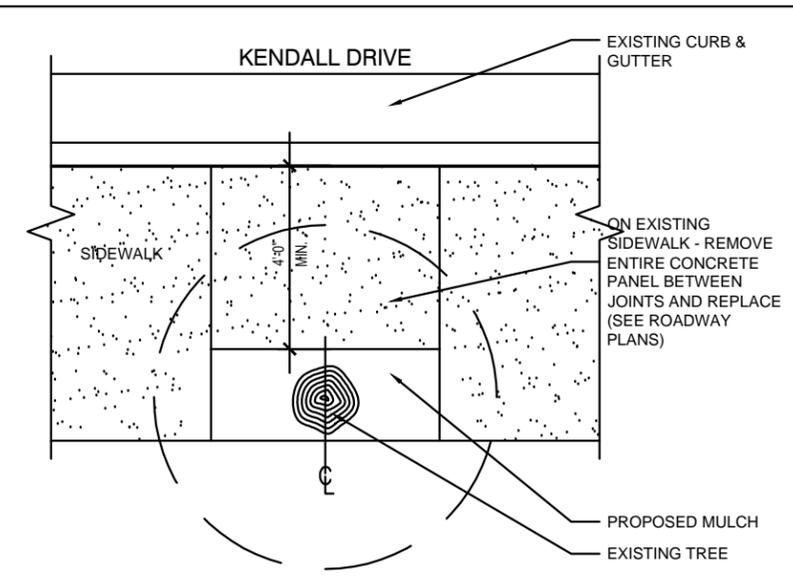
LANDSCAPE DETAILS
 SHEET NO.
 LD-15



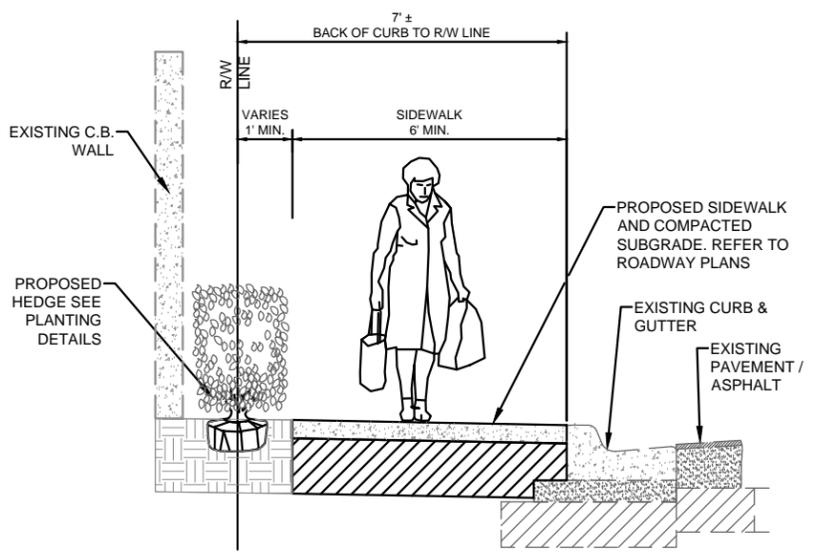
1 SOD DETAIL
1/2" = 1'-0"



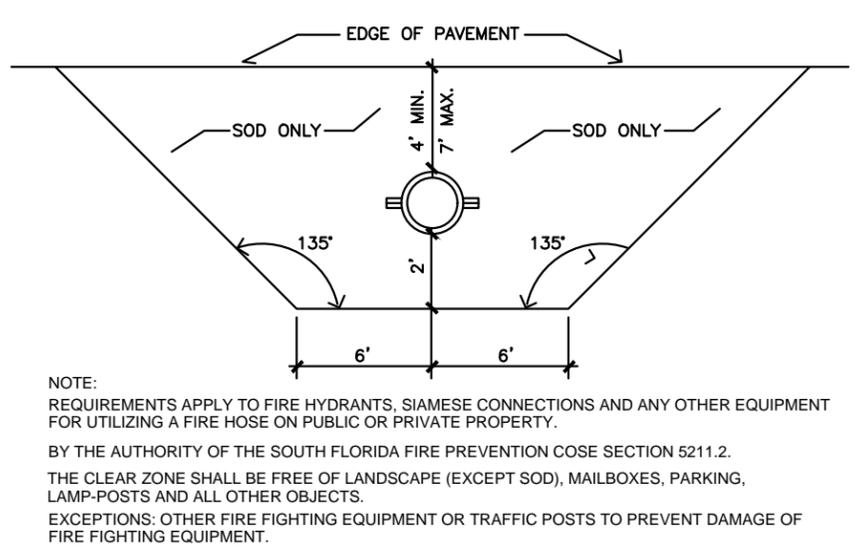
2 PROPOSED TREE CUT OUT AROUND NEW TREES
1/2" = 1'-0"



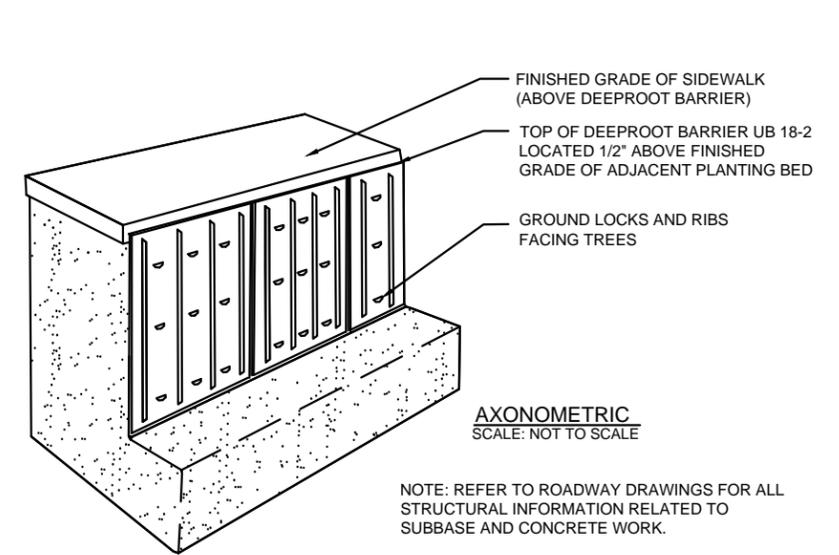
3 PROPOSED TREE CUT OUT AROUND EXISTING TREES
1/2" = 1'-0"



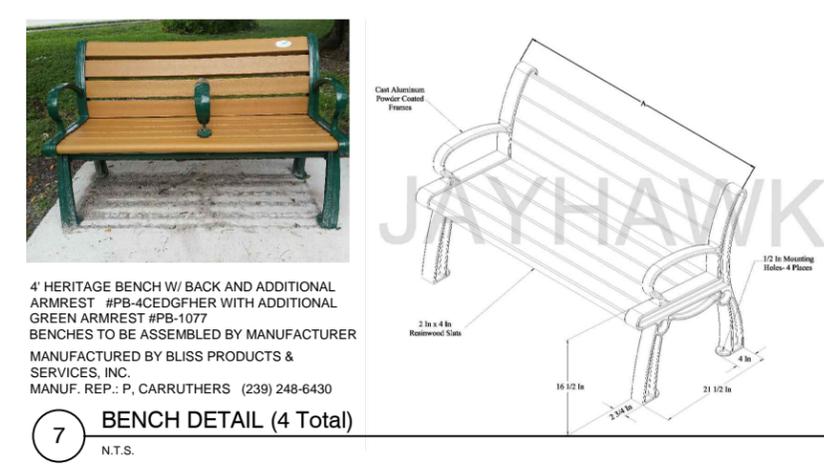
4 TYPICAL SIDEWALK SECTION WITH PROPOSED HEDGE - SOUTH SIDE
1/2" = 1'-0"



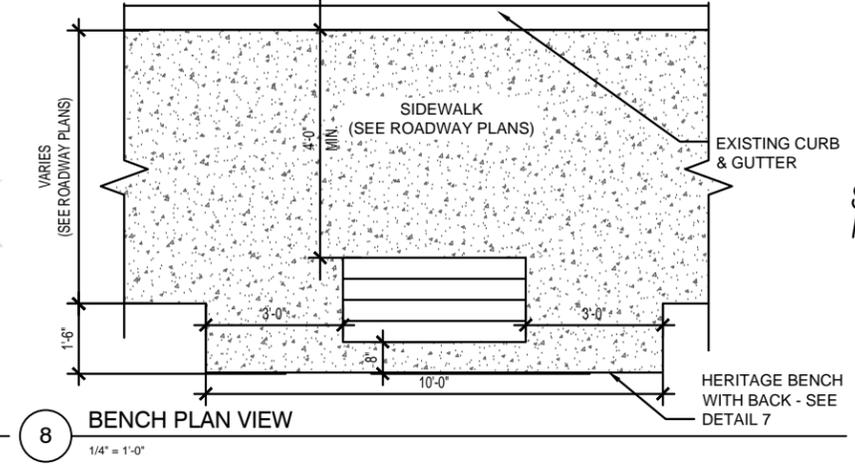
5 FIRE HYDRANT ZONE
1/2" = 1'-0"



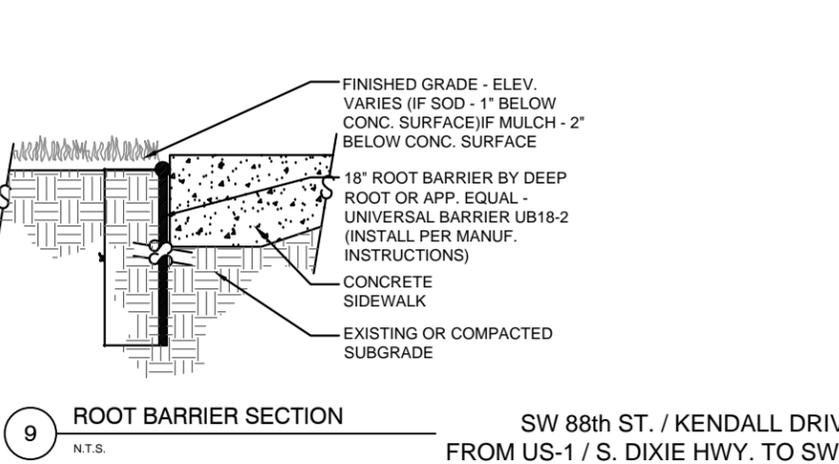
6 ROOT BARRIER DETAIL
1/2" = 1'-0"



7 BENCH DETAIL (4 Total)
N.T.S.



8 BENCH PLAN VIEW
1/4" = 1'-0"



9 ROOT BARRIER SECTION
N.T.S.

SW 88th ST. / KENDALL DRIVE
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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
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LANDSCAPE DETAILS	
SHEET NO.	LD-16

LANDSCAPE NOTES

1. THESE SPECIFICATIONS ARE IN ADDITION TO FDOT STANDARD SPECIFICATIONS AND DESIGN STANDARDS.
2. CERTIFICATIONS: THE LANDSCAPE CONTRACTOR SHALL BE PROPERLY REGISTERED WITH THE FLORIDA DEPT. OF AGRICULTURE AND CONSUMER SERVICES DIVISION OF PLANT INDUSTRY AND BE A CERTIFIED LANDSCAPE CONTRACTOR BY THE FLORIDA NURSERY, GROWERS AND LANDSCAPE ASSOCIATION AND BE A CERTIFIED ARBORIST BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. SUBMIT CERTIFICATIONS PRIOR TO THE PRE-CONSTRUCTION MEETING.
3. ITEMIZED COSTS: PRIOR TO THE PRE-CONSTRUCTION MEETING, SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A UNIT COST BREAKDOWN FOR EVERY ITEM OF WORK INCLUDED FOR THIS PROJECT. THE OWNER MAY, AT ITS' DISCRETION, ADD TO OR DELETE FROM THE MATERIALS UTILIZING THE UNIT PRICE BREAKDOWN SUBMITTED.
4. PLANT REMOVAL: ALL PLANTS TO BE REMOVED SHALL BE CLEARLY MARKED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY REMOVAL.
5. TWO FULL BUSINESS DAYS PRIOR TO DIGGING, THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, TELEPHONE NUMBER 1-800-432-4770, AND REQUEST UTILITY LOCATIONS. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
6. LANDSCAPE CONTRACTOR SHALL PROVIDE A RELOCATION AND INSTALLATION SCHEDULE TO THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
7. ALL PLANT MATERIAL SHALL CONFORM OR EXCEED THE MINIMUM STANDARDS FOR FLORIDA NO.1, UNLESS OTHERWISE NOTED, AS PROVIDED IN THE MOST CURRENT EDITION OF THE "GRADES & STANDARDS FOR NURSERY PLANTS - PART I AND PART II, PREPARED BY THE STATE OF FLORIDA DEPT. OF AGRICULTURE & CONSUMER SERVICES.
8. PLANT QUANTITIES ARE FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES PRIOR TO START OF WORK. IN THE EVENT OF QUANTITY DISCREPANCIES BETWEEN THE DRAWING & VARIETAL PLANT LIST, THE DRAWING SHALL TAKE PRECEDENCE.
9. ALL PLANT MATERIAL SYMBOLS SHOWN ON THE LANDSCAPE PLANS SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS, AFTER CONSULTING THE LANDSCAPE ARCHITECT.
10. ALL SIZES SPECIFIED FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST SHALL BE CONSIDERED MINIMUM. THE SIZE SPECIFIED IS FOR CONVENIENCE ONLY.
11. THE PLANT MATERIAL MUST MEET OR EXCEED THE SPECIFIED MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD.
12. PLANT LOCATIONS MAY BE ADJUSTED BY LANDSCAPE ARCHITECT AND/OR OWNER DUE TO UNFORSEEN CONDITIONS. ON-SITE LAYOUT OF PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT AND/OR OWNER AT TIME OF INSTALLATION. PLANT QUANTITIES MAY BE ADJUSTED BASED ON EXISTING SITE CONDITIONS.
13. CONTRACTOR SHALL SCHEDULE WITH LANDSCAPE ARCHITECT A TIME IN WHICH TO VIEW PLANT MATERIAL IN THE NURSERY PRIOR TO INSTALLATION. IN THE EVENT A NURSERY VISIT IS NOT FEASIBLE, THE CONTRACTOR SHALL SUBMIT PICTURES OF PROPOSED PLANT MATERIAL. CONTRACTOR TO HAVE ALL PLANT MATERIAL PRE-TAGGED PRIOR TO APPOINTMENT WITH LANDSCAPE ARCHITECT. PROVIDE AT LEAST 7 DAYS NOTICE FOR VIEWING APPOINTMENT.
14. CONTRACTOR SHALL EXAMINE SUBGRADE AND ROUGH GRADE BEFORE PLANTING AND ALERT LANDSCAPE ARCHITECT OF ANY CONDITIONS WHICH WOULD BE DETRIMENTAL TO PLANT DEVELOPMENT.
15. LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, THE REMOVAL OF ALL ROADWAY CONSTRUCTION DEBRIS AND FOREIGN MATERIAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
16. SITE PREPARATION SHALL INCLUDE ERADICATION AND REMOVAL OF ANY WEEDS OR GRASS, REMOVAL AND CLEAN UP OF ANY DEAD MATERIAL, ROUGH AND FINISH GRADING PER SPECS, AND REMOVAL OF ROCKS AND OTHER DEBRIS OVER 1" IN DIAMETER. AFTER BED LAYOUT HAS BEEN APPROVED BY THE LANDSCAPE ARCHITECT, APPLY BOTH A COLORED POST-EMERGENT HERBICIDE AND A COLORED PRE-EMERGENT HERBICIDE TO ALL AREAS SCHEDULED TO RECEIVE PLANTS, MULCH OR SOD. PRIOR TO THE PRE-CONSTRUCTION MEETING, SUBMIT PRODUCT AND APPLICATION PROCEDURES TO THE OWNER FOR APPROVAL.
17. FOR PLANT MATERIAL DESIGNATED TO BE REMOVED, THE ENTIRE ROOT SYSTEM SHALL BE DUG AND REMOVED FROM THE SITE.
18. ALL EXISTING PLANT MATERIAL TO REMAIN SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY PLANT MATERIAL SCARRED OR DESTROYED DESIGNATED TO REMAIN MUST BE REPLACED AT THE CONTRACTORS EXPENSE WITH SIMILAR SPECIES, SIZE AND QUALITY.
19. CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT AND/OR OWNER A PLANTING SOIL SAMPLE AND A SOIL MATERIAL RATIO CHART FOR APPROVAL PRIOR TO INSTALLATION OF THE PLANTING SOIL. THE SOIL SHALL PROVIDE POROSITY FOR DRAINAGE AND CONTAIN AMENDMENTS AS RECOMMENDED BY TESTING LAB.
20. PLANTING SOIL SHALL BE CLEAN FREE OF WEEDS AND ROCKS 1-1/2 INCH OR GREATER AND CONSIST OF 60% FRESH WATER SAND AND 40% MUCK OR EQUIVALENT (EXCAVATED MATERIALS FROM PLANTING AREAS SHALL BE REMOVED FROM SITE). PLANTING SOIL SHALL BE AMENDED

- BY THE ADDITION OF BIOSTIMULANTS. BIOSTIMULANTS SHALL BE DIE HARD TRANSPLANT CONTAINING MICCORRHIZAL FUNGI OR APPROVED EQUAL. PROPORTIONS SHALL BE AS FOLLOWS:
 - FOR TREES AND PALMS UP TO 36 IN. DIA. ROOTBALL USE ONE 8 OZ. PACKET
 - FOR TREES AND PALMS WITH ROOTBALLS LARGER THAN 36 IN. IN DIAMETER USE TWO 8 OZ PACKETS
 - FOR SHRUBS AND GROUNDCOVER FOLLOW MANUFACTURER'S INSTRUCTIONS.
22. PLANTING SOIL SHALL COME UP TO 4" FROM TOP OF CURB, RESERVING SPACE FOR 3" COMPACTED MULCH AND 1" CLEAR FROM TOP OF CURB.
23. 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.
24. FERTILIZATION: FOR LARGE AND SMALL PLANTS, APPLY AN 8-2-12 + 4MG FERTILIZER INCLUDING ALL MICRONUTRIENTS. 100% OF THE (N) NITROGEN, (K) POTASSIUM, (MG) MAGNESIUM AND (B) BORON SHALL BE IN CONTROLLED RELEASE FORM. APPLY AT A RATE OF 1.5 POUNDS OF ACTUAL FERTILIZER (NOT N) PER 100 SQUARE FEET FROM A CALIBRATED SPREADER AT INSTALLATION. FOR RELOCATED MATERIAL, BEGIN FERTILIZATION THREE WEEKS AFTER RELOCATION. PRIOR TO THE PRE-CONSTRUCTION MEETING, SUBMIT FERTILIZER MANUFACTURER'S CERTIFIED ANALYSIS TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
25. A CONSISTENT LAYER OF 3" FLORIMULCH OR BETTER, FREE OF WEED RETARDANT, SHALL BE SPREAD OVER ALL PLANTING BEDS PER PLANTING DETAILS. PROVIDE EVIDENCE OF TYPE AND GRADE TO LANDSCAPE ARCHITECT.
26. ALL TREES AND PALMS SHALL BE STAKED OR GUYED IMMEDIATELY AFTER PLANTING IN ACCORDANCE WITH THE APPROPRIATE DETAIL.
27. CONTRACTOR SHALL HAND WATER OR ARRANGE FOR WATERING DURING PLANTING UNTIL IRRIGATION IS 100% OPERABLE. PLANT MATERIAL IS TO BE WATERED SO THAT THE SOIL IS FULLY PENETRATED TO REACH THE ENTIRE ROOT SYSTEM. MAINTAIN PROPER SOIL MOISTURE TO KEEP ALL PLANT MATERIAL IN FLORIDA NO. 1 CONDITION. BEGINNING AT FINAL ACCEPTANCE, ANY NEW VEGETATION, INCLUDING TREES, THAT ARE NOT INCLUDED IN THE NEW IRRIGATION SYSTEM, ARE TO BE HAND WATERED SUFFICIENT FOR HEALTHY GROWTH AND PLANT ESTABLISHMENT, AS FOLLOWS:
 - WATER THE SOIL TO FIELD CAPACITY BASED ON THE FOLLOWING SCHEDULE AT A MINIMUM:
 - FIRST 4 WEEKS - EVERY DAY
 - NEXT 4 WEEKS - EVERY OTHER DAY
 - UNTIL END OF WARRANTY PERIOD WATER, AS NEEDED, FOR VIABLE GROWTH.
28. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR SUPPLYING WATER AND PAYING FOR ANY FEES ASSOCIATED WITH WATER USE. CONTRACTOR IS ALSO RESPONSIBLE FOR WATERING OF NEW PLANT MATERIAL WHILE EXISTING IRRIGATION IS NOT FUNCTIONAL FOR TIME UNTIL ESTABLISHED. CONTRACTOR TO PROVIDE WATER TO TRANSPLANTED AND NEW PLANT MATERIAL EITHER THROUGH IRRIGATION OR SOME OTHER MEANS.
29. THE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, UNTIL FINAL COMPLETION OF CONTRACT OR ACCEPTANCE BY THE OWNER. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.
30. CONTRACTOR TO COMPLY WITH ALL STATE AND LOCAL CODE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR APPROVALS FROM FEDERAL, STATE OR LOCAL GOVERNMENT, INCLUDING COST, REQUIRED FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
31. NO PALMS WILL BE ACCEPTED SHOWING EVIDENCE OF CABLE, CHAIN MARKS, EQUIPMENT, SCARS OR ANY OTHER TYPE OF DAMAGE.
32. PLANT MATERIAL WILL NOT BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING IT'S ROOTS HAS BEEN CRACKED, BROKEN, OR OTHERWISE DAMAGED.
33. NOTE SIZE OF PLANTING PITS ON SHRUB, TREE AND PALM PLANTING DETAILS AND ADHERE TO SPECIFICATIONS.
34. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING PLANTING, INCLUDING ALL WALKS, FENCES, WALLS, CURBS, IRRIGATION, SHRUBS, SOD, ETC. TO ORIGINAL CONDITION AFTER TREES ARE PLANTED. CONTRACTOR MUST TAKE PREVENTATIVE MEASURES TO PROTECT ALL EXISTING CONDITIONS. CONTRACTOR TO PROVIDE GRAPHIC AND WRITTEN DESCRIPTION OF CONSTRUCTION APPROACH FOR LANDSCAPE ARCHITECT AND/OR OWNER APPROVAL.
35. DURING CONSTRUCTION, THE CONTRACTOR SHALL KEEP PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM SITE DAILY.
36. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL INLETS FREE OF EXCAVATED MATERIAL AND SHALL PROPERLY DISPOSE OF EXCAVATED MATERIAL OFF-SITE, AT HIS OWN EXPENSE.
37. CONTRACTOR TO FLAG ALL PROPOSED TREE LOCATIONS FOR OWNER APPROVAL PRIOR TO EXCAVATION OR INSTALLATION. PLAN LOCATIONS ARE SUBJECT TO FIELD ADJUSTMENTS BY THE LANDSCAPE ARCHITECT AND/OR OWNER.
38. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND/OR OWNER AT LEAST ONE WEEK PRIOR TO FINAL WALK-THROUGH. FINAL ACCEPTANCE WILL NOT BE GIVEN UNTIL COMPLETE INSTALLATION PER PLANS, SITE CLEAN UP AND RESTORATION, COMPLETION OF PUNCH LIST ITEMS, SUBMISSION OF WARRANTY AND CLOSE OUT DOCUMENTS, BOND AND FINAL WALK-THROUGH BY OWNER. ANY COST OR REQUIREMENTS NECESSARY FOR FINAL ACCEPTANCE SHALL BE CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED. CONTRACTOR TO PROVIDE

- (4) SETS OF AS-BUILTS PRIOR TO FINAL WALK-THROUGH.
39. CONTRACTOR SHALL BE RESPONSIBLE FOR THE GUARANTEE OF ALL PLANT MATERIAL FOR A PERIOD OF TWELVE MONTHS FROM THE DATE OF FINAL ACCEPTANCE.
40. PRUNING SHALL COMPLY WITH ANSI A300 PART 1 PRUNING STANDARDS AND THESE PLANS. A CERTIFIED ARBORIST SHALL OVERSEE ALL PRUNING OPERATIONS. TREE, PALM, SHRUB AND ROOT PRUNING IS REQUIRED DURING CONSTRUCTION TO REMOVE ALL CROSSING, DEFLECTING AND CIRCLING ROOTS; REMOVE CROSSING, DEAD, DAMAGED AND CO-DOMINANT BRANCHES; TO MAINTAIN FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS AND MAST ARM CLEARANCE; TO MAINTAIN INDEX 546 HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT; TO MAINTAIN VISIBILITY OF SIGNS; MAINTAIN SHRUBS PER PLANS; MAINTAIN FLORIDA NO. 1 BRANCH STRUCTURE; AS NOTED ON PLANS.
41. TREE PROTECTION BARRICADES: ALL TREES AND PALMS ADJACENT TO CONSTRUCTION ACTIVITIES SHALL BE BARRICADED, UNLESS DESIGNATED TO BE REMOVED. REFER TO FDOT INDEX 544 SHT. 3 FOR TREE PROTECTION DETAIL.
42. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
43. NO LANDSCAPING ADDED UNDER THIS PROJECT SHALL BE LOCATED SUCH THAT SAID LANDSCAPING OBSCURES MOTORISTS' VISIBILITY OF ANY EXISTING OR PROPOSED SIGN(S).
44. REFER TO ROADWAY PLANS FOR ADDITIONAL INFORMATION.
45. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH BIDS WILL BE BASED.

RELOCATION NOTES:

1. THE LANDSCAPE NOTES AND FDOT STANDARD SPECIFICATION 580 SHALL APPLY TO ALL RELOCATED MATERIALS (UNLESS OTHERWISE SPECIFIED).
2. THE CONTRACTOR SHALL NOTIFY THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY RELOCATION ACTIVITIES.
3. RELOCATE MATERIALS ONCE FROM THEIR PRESENT LOCATION TO A LANDSCAPE AREA WITHIN TEN (10) MILES OF THE LIMITS OF CONSTRUCTION OR WITHIN PROJECT AS NOTED.
4. TREE NUMBER TAGS: PRIOR TO ANY RELOCATION ACTIVITIES, ATTACH A TAG TO EACH TO EACH ITEM TO BE RELOCATED WITH A NUMBER THAT MATCHES THE TREE NUMBERS SHOWN IN THE PLANS. THE TREE NUMBER SHALL NOT CAUSE INJURY TO THE TREES.
5. PRUNING: THE AMOUNT OF PRUNING SHALL BE LIMITED TO THE MINIMUM NECESSARY AND NO MORE THAN 25% TO REMOVE DEAD AND INJURED TWIGS OR BRANCHES. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO ANY PRUNING ACTIVITIES.
6. ROOT PRUNING AND WATERING PRIOR TO TRANSPLANTING: PRIOR TO ANY ROOT PRUNING, WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS AND KEEP THE ROOTBALL SOIL MOISTURE AT FIELD CAPACITY AFTER ROOT PRUNING. ROOT PRUNE EIGHT WEEKS PRIOR TO RELOCATION FOR TREES, PALMS ARE AT THE CONTRACTOR'S DISCRETION. ANY ROOT PRUNED MATERIAL NOT RELOCATED IMMEDIATELY SHALL BE BRACED IN PLACE PER DETAILS. ROOT PRUNE ONLY WITH A TREE SPADE OR A ROOT PRUNING SAW BLADE ON TRENCHER. ROOT PRUNING TRENCH SHALL BE A MINIMUM OF 24 INCHES DEEP AND A MAXIMUM OF 8 INCHES WIDE. AT A MINIMUM, THE ROOT PRUNING TRENCH SHALL FORM A ROOTBALL OF THE FOLLOWING SIZES:
 - A. 1.5 FEET FROM TRUNK FOR TREES/PALMS UP TO 4 INCH CALIPER.
 - B. 2 FEET FROM TRUNK FOR TREES/PALMS 4 TO 8 INCH CALIPER.
 - C. 2.5 FEET FROM TRUNK FOR TREES/PALMS 8 TO 12 INCH CALIPER.
 - D. 3 FEET FROM TRUNK FOR TREES/PALMS OVER 12 INCH CALIPER.

THE CONTRACTOR SHALL INCREASE THE ROOTBALL SIZE AT THEIR DISCRETION. BACKFILL WITH EXISTING EXCAVATED SOIL AND CLEAN SAND AS MAY BE REQUIRED TO FILL TO EXISTING GRADE.

7. TIE UP PALM FRONDS PRIOR TO TRANSPORT AND REMOVE TIES IMMEDIATELY AFTER INSTALLATION.
8. ALL RELOCATIONS SHALL BE BALLED AND BURLAPPED.
9. RELOCATED PLANT MATERIAL SHALL BE INSTALLED WITHIN 24 HOURS AFTER REMOVAL FROM ORIGINAL LOCATION.
10. RELOCATED MATERIAL WHICH IS DEAD, DAMAGED OR HAS MORE THAN 20% BRANCH DIEBACK WITHIN THE 1 YEAR PLANT ESTABLISHMENT PERIOD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPLACEMENT MATERIALS SHALL BE THE SAME SPECIES AND SIZE.



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						O'Leary Richards Design Associates, Inc.	Landscape Architecture & Planning 8525 SW 92nd Street, Suite C-11 Miami, Florida 33156 P. (305)596-6628 F. (305)596-9160 www.olearyrichards.com Certificate of Authorization LC26000195 Kathryn O'Leary Richards LA#0001317	VILLAGE OF PINECREST FLORIDA			SHEET NO. LD-17
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NO.	COUNTY	DATE	
								2016-012	MIAMI-DADE	OCTOBER 3, 2016	

GENERAL LANDSCAPE NOTES

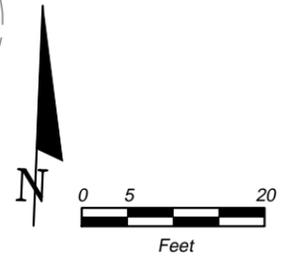
NOTES:

REFER TO ROADWAY PLANS FOR ADDITIONAL INFORMATION REGARDING THE METER AND BACKFLOW PREVENTER.

MAIN LINE ROUTING IS SCHEMATIC ONLY. PIPE SHALL BE INSTALLED TO MINIMIZE DAMAGE TO THE ROOT SYSTEMS OF EXISTING TREES. THE MAIN LINE SHALL BE PLACED AGAINST NEW CURB TO AVOID EXISTING ROOT SYSTEM. ROOTS GREATER THAN 2" SHALL NOT BE DISTURBED. IF LARGE ROOTS ARE IN CONFLICT WITH PROPOSED PVC PIPE, THEN CONTRACTOR SHALL DIRECTIONAL BORE UNDER EXISTING TREE ROOTS TO MINIMIZE IMPACT. DETERMINATION SHALL BE MADE ONCE EXISTING CURBING IS REMOVED.

DRIP LINE ROUTING IS SCHEMATIC ONLY. WHERE DRIP LINE IS ROUTED OVER THE EXPOSED ROOT SYSTEM OF EXISTING TREES. THIS INSTALLATION SHALL BE COORDINATED WITH PLANTING PATTERN.

SR 5/US-1
(SOUTH DIXIE HWY.)



BEGIN PROJECT
799+24.84

99

800

SW 88th ST./KENDALL DR.

801

MATCH LINE STA. 802+00.00

CAP MAIN FOR FUTURE USE
ROUTE 2 SPARE WIRES AND
COMMON WIRE TO THIS LOCATION

R/W LINE

EX. SIDEWALK

2" MAIN

4" SL

2" SL

1" WC

3/4"

FV

DISCHARGE HEADER (TYP)

FLUSH VALVE (TYP)

CAP MAIN FOR FUTURE USE
ROUTE 2 SPARE WIRES AND
COMMON WIRE TO THIS LOCATION

2" MAIN

4" SL

1" WC

2" SL

PROP. SIDEWALK

R/W LINE

SW 69th COURT

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS

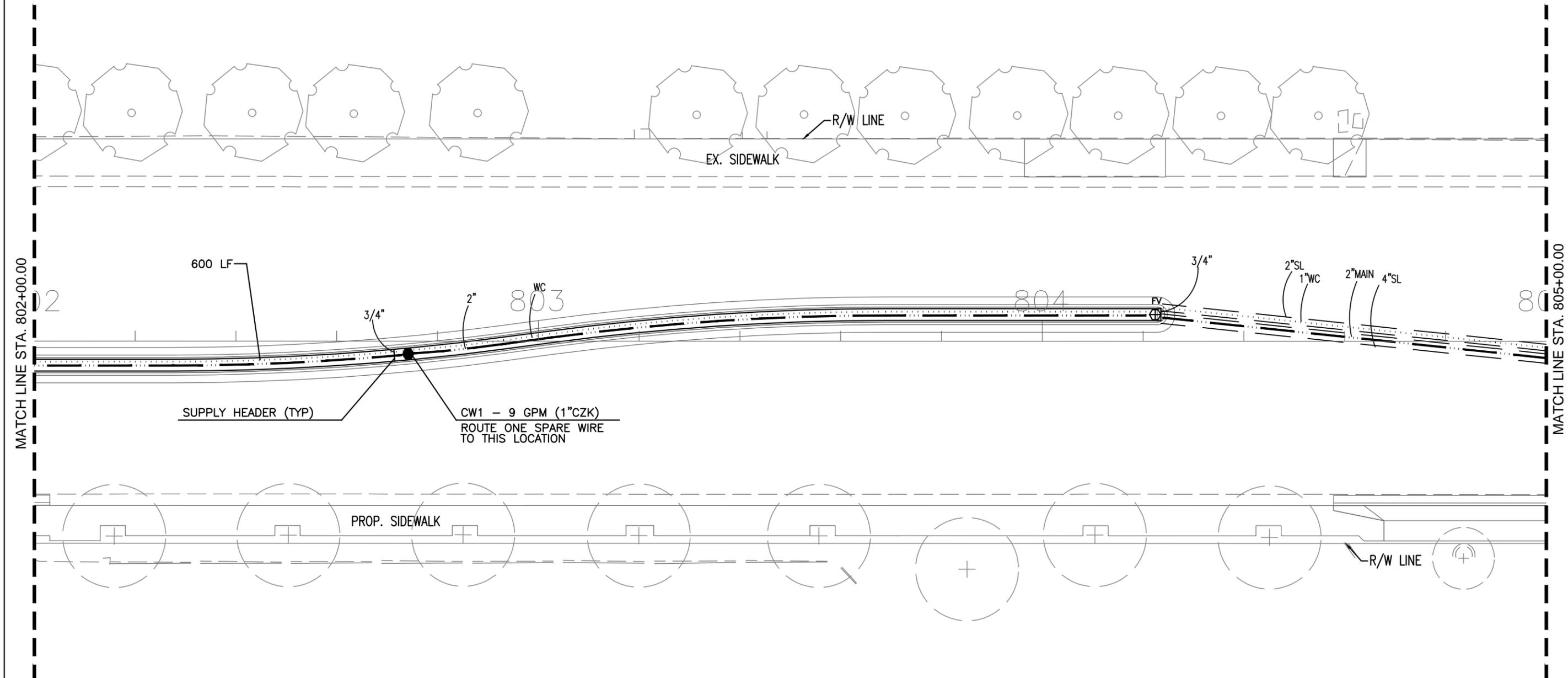
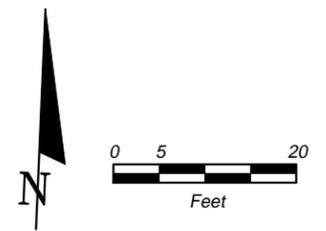
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IRRIGATION PLAN

SHEET NO.
LI-1



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

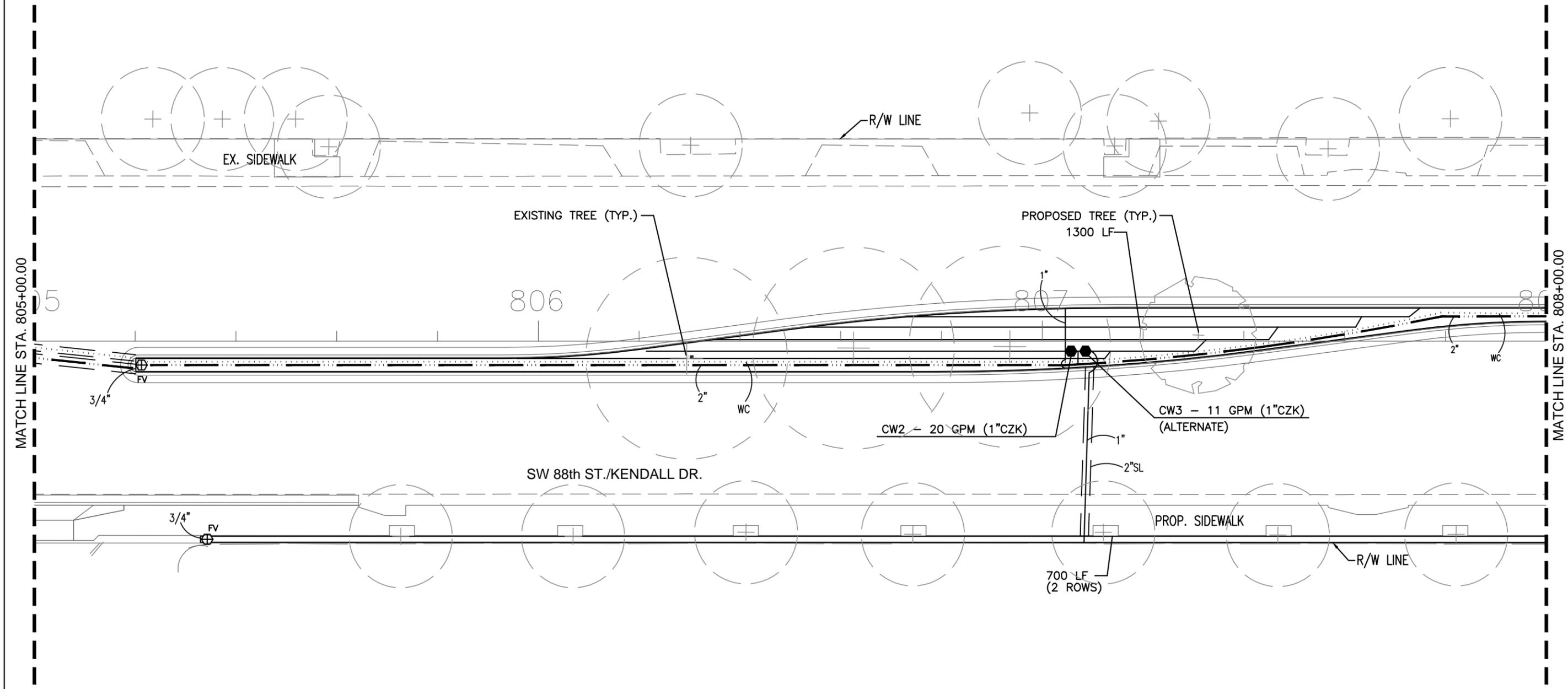
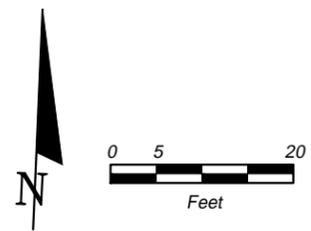
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IRRIGATION PLAN

SHEET NO.
LI-2



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

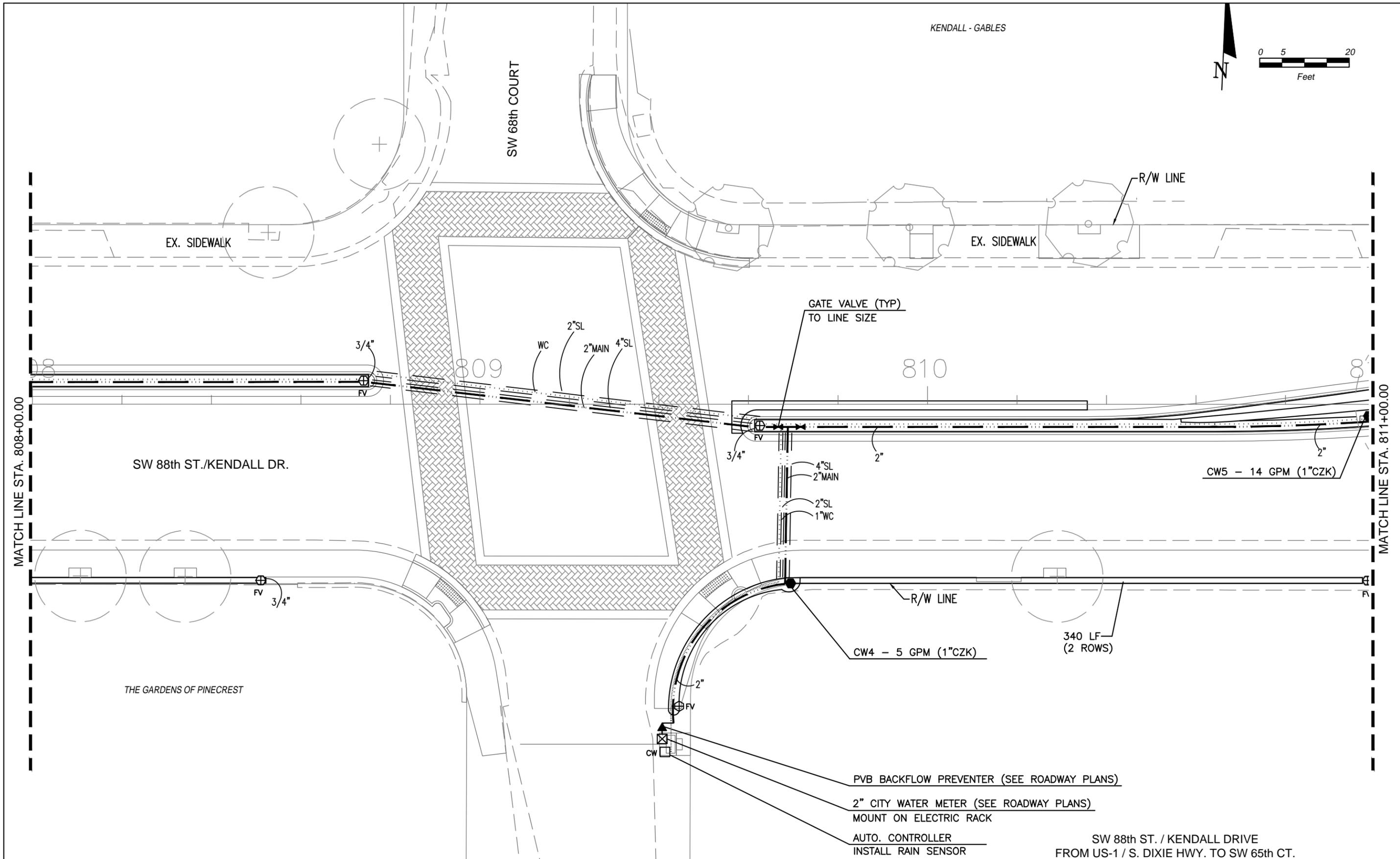
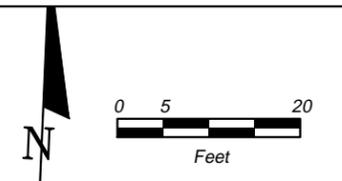
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IRRIGATION PLAN

SHEET NO.
LI-3



- PVB BACKFLOW PREVENTER (SEE ROADWAY PLANS)
- 2" CITY WATER METER (SEE ROADWAY PLANS)
MOUNT ON ELECTRIC RACK
- AUTO. CONTROLLER
INSTALL RAIN SENSOR

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
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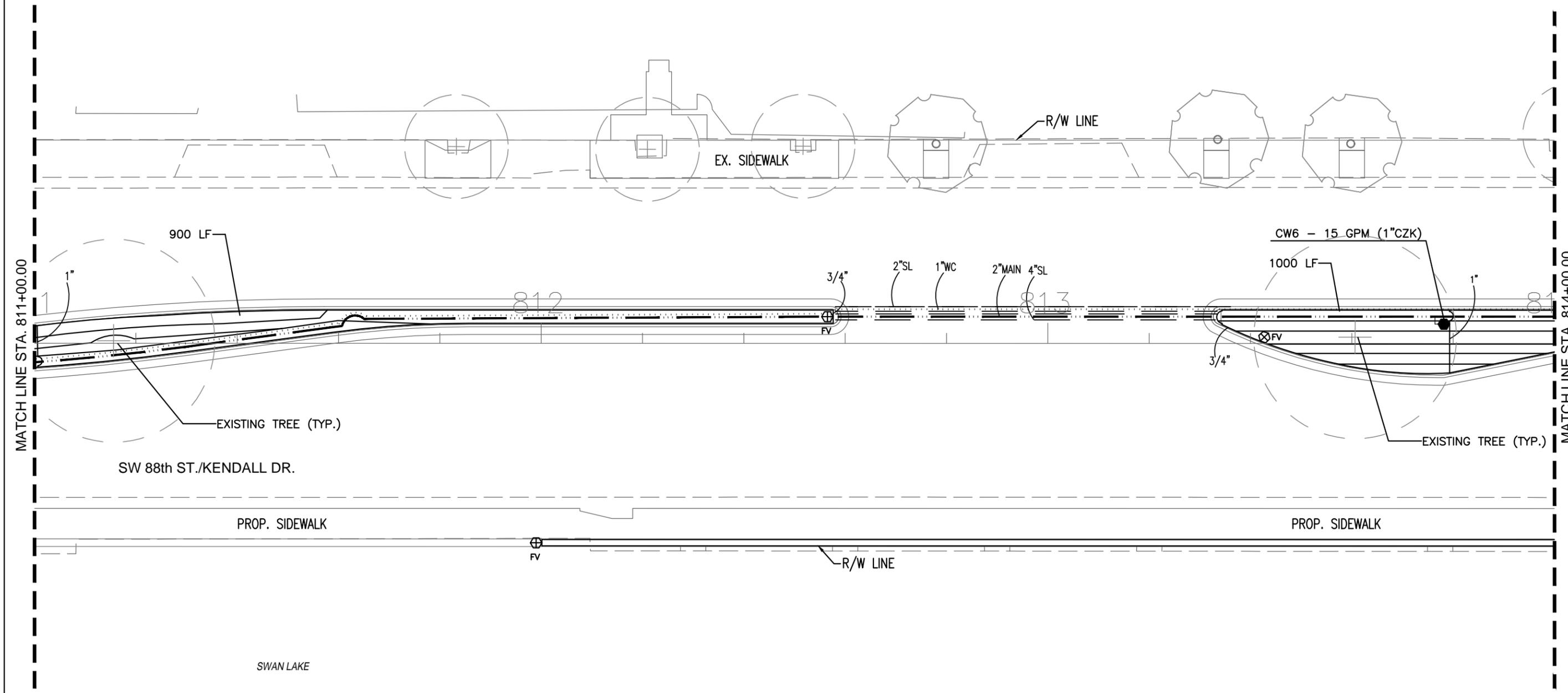
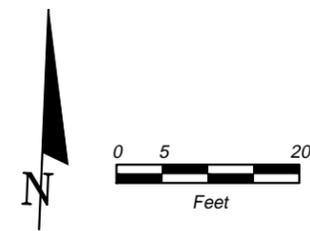
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IRRIGATION PLAN

SHEET NO.
LI-4

WATERSIDE



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

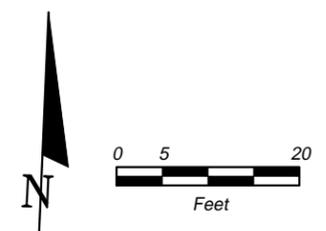
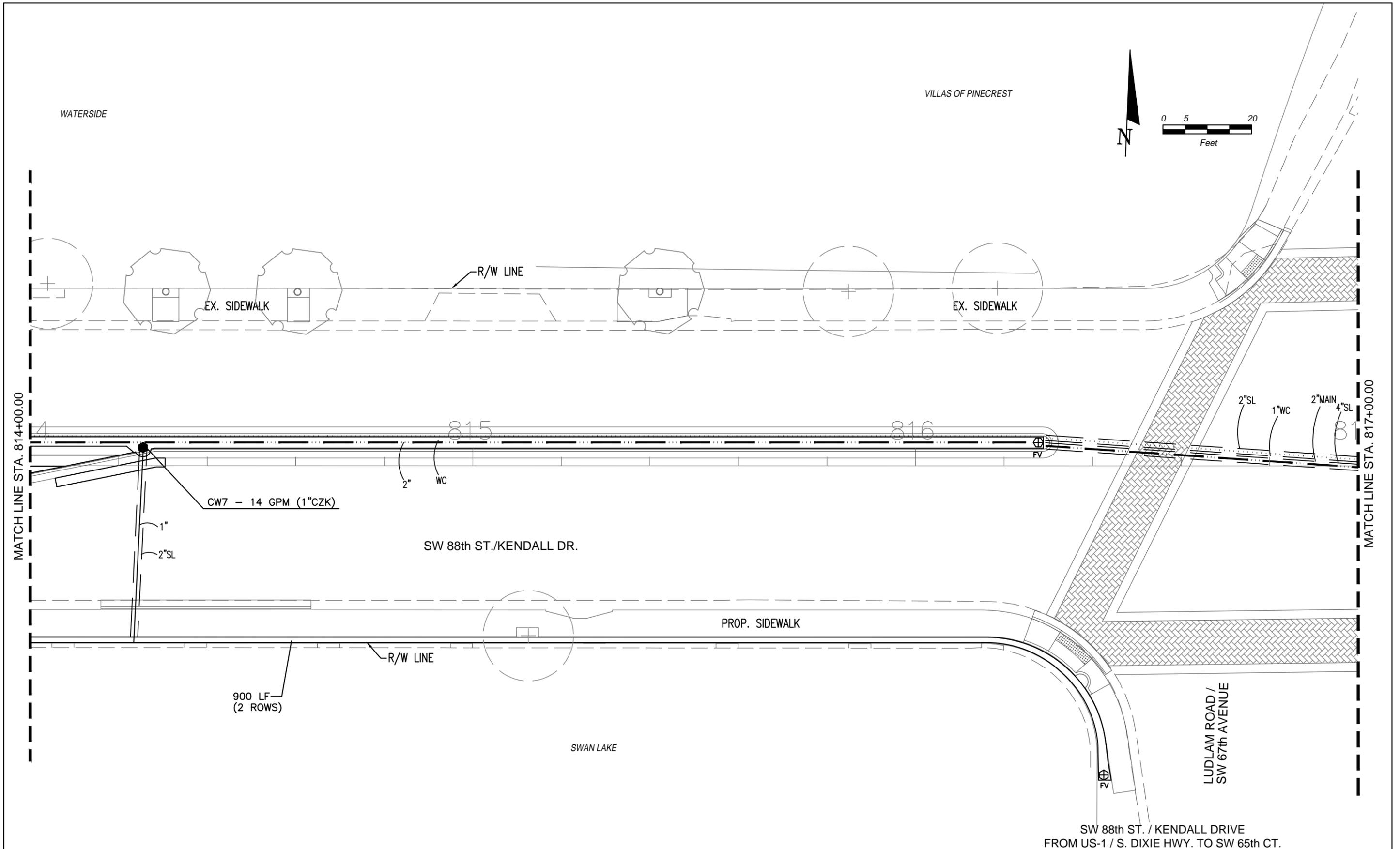
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IRRIGATION PLAN

SHEET NO.
LI-5



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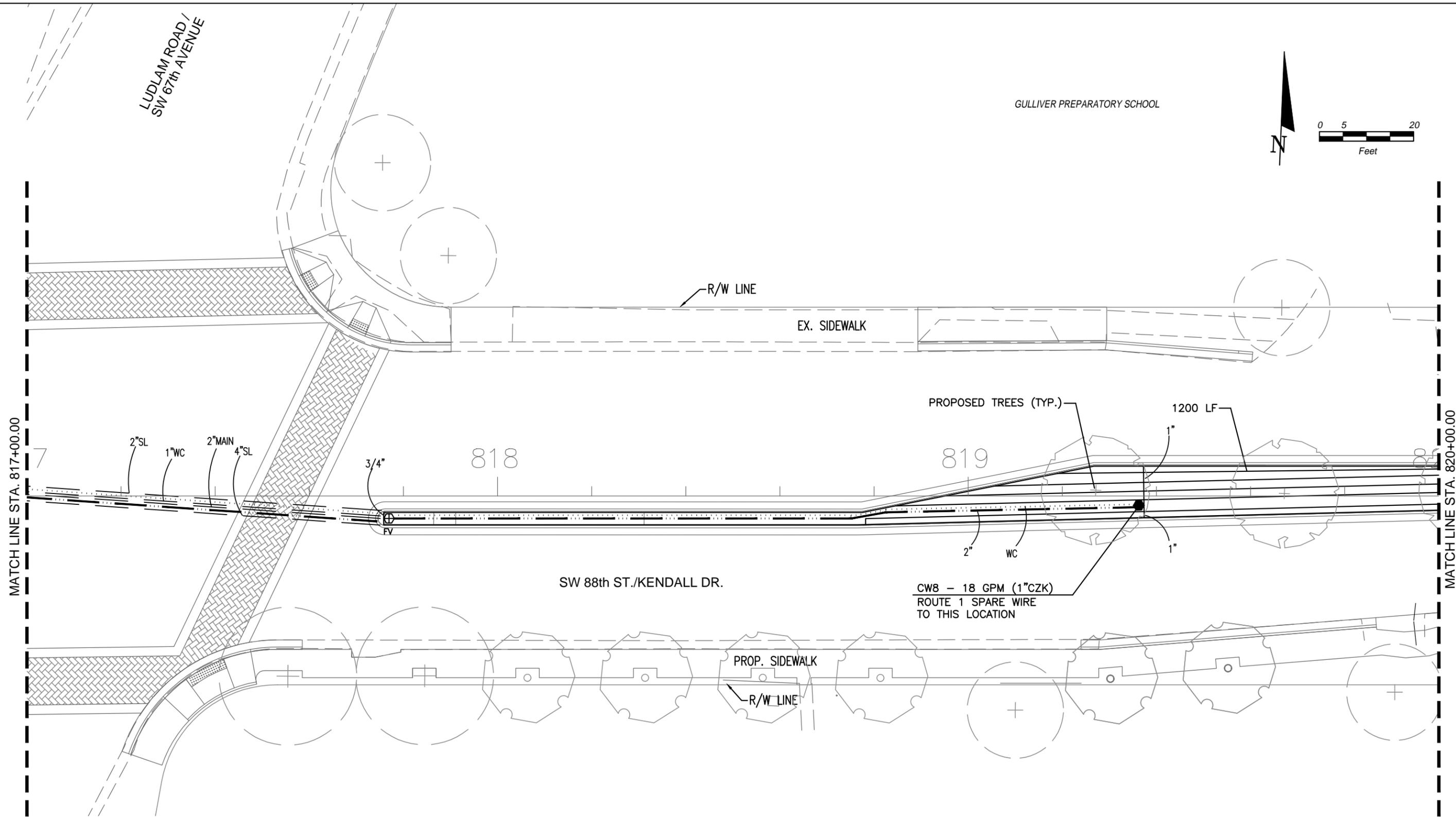
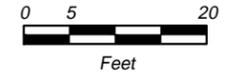
VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

IRRIGATION PLAN

SHEET NO.
LI-6

LUDLAM ROAD /
SW 67th AVENUE

GULLIVER PREPARATORY SCHOOL



SW 88th ST./KENDALL DR.

CWB - 18 GPM (1" CZK)
ROUTE 1 SPARE WIRE
TO THIS LOCATION

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
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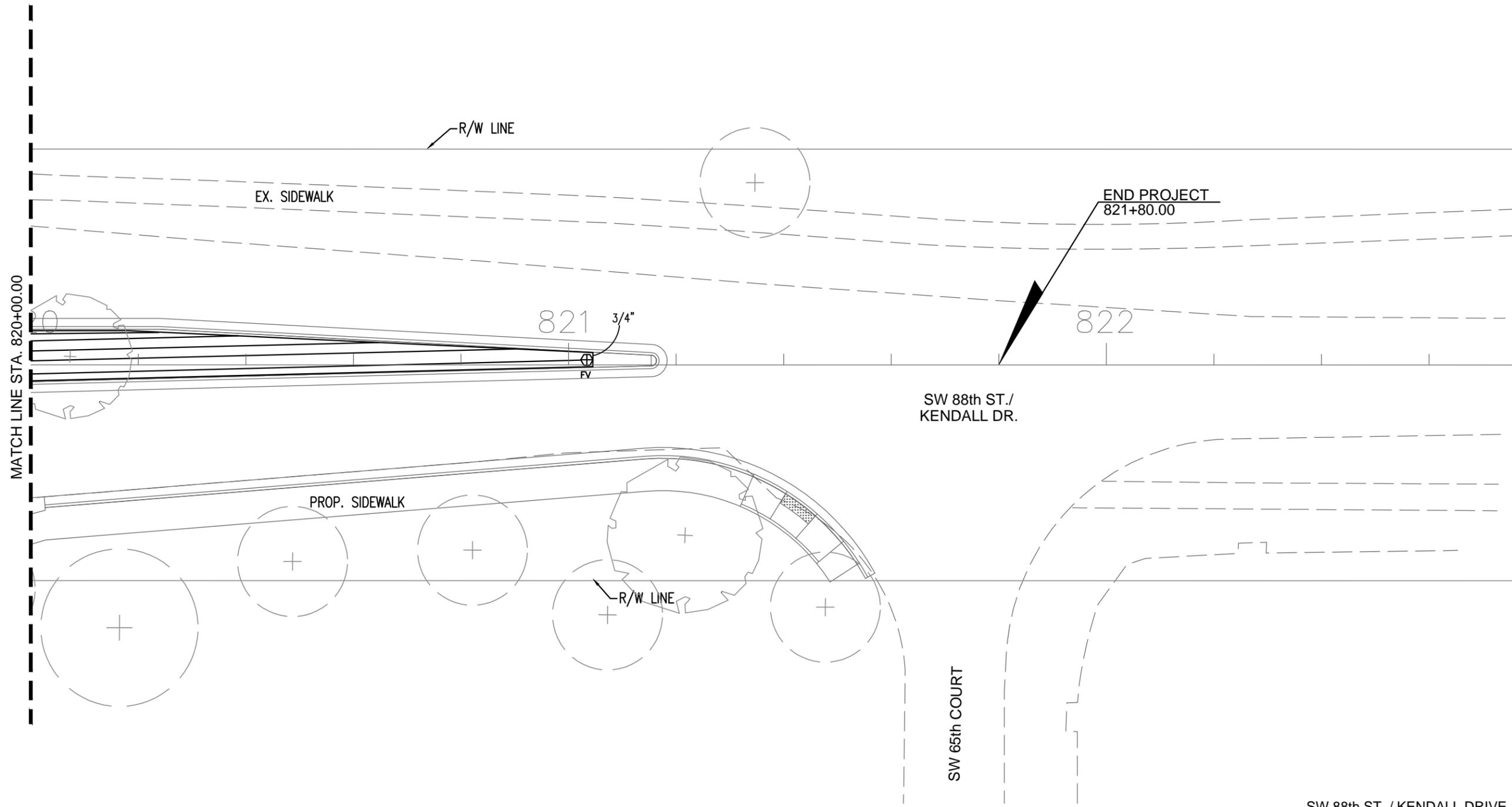
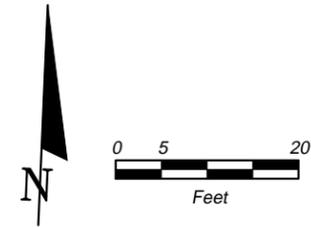
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IRRIGATION PLAN

SHEET NO.
LI-7

CROSSBRIDGE CHURCH



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

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IRRIGATION PLAN

SHEET NO.
LI-8

IRRIGATION NOTES & SPECIFICATIONS

AUTOMATIC IRRIGATION SYSTEM
 WATER DEMAND / ZONE
 WATER SOURCE
 PRESSURE REQUIRED

REFER TO PLAN
 2" CITY WATER METER
 60 PSI

GENERAL

IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, CONTRACT DRAWINGS, CONTRACT SPECIFICATIONS, AND APPENDIX "F" OF THE FLORIDA BUILDING CODE.

IRRIGATION DESIGN BASED ON "LANDSCAPE PLAN" DATED JANUARY 19, 2016. CONTRACTOR SHALL REFER TO THIS PLAN TO COORDINATE SPRINKLER LOCATIONS AND PIPE ROUTING WITH NEW AND EXISTING PLANT LOCATIONS.

THIS PLAN SHALL BE USED AS A GUIDE ONLY. IRRIGATION SHALL BE INSTALLED TO MATCH ON SITE CONDITIONS AND TO OVERCOME THE INHERENT INACCURACIES THAT RESULT WHEN DESIGNING FROM BASE PLANS SCALED AT 1" = 20'.

THE WATER SOURCE SHALL BE A 2" CITY WATER METER.

BACKFLOW PREVENTION SHALL BE INSTALLED TO MEET CODE REQUIREMENTS FOR CROSS-CONNECTION CONTROL.

THIS IRRIGATION HAS BEEN DESIGNED AS A TYPICAL BLOCK VALVE TYPE USING NETAFIM DRIP EQUIPMENT AND RAIN BIRD CONTROL ZONE KITS AND CONTROL SYSTEM. A RAIN SENSOR SHALL BE INSTALLED TO CONSERVE WATER.

IRRIGATION SHALL BE INSTALLED AND MAINTAINED TO MINIMIZE UNDESIRABLE OVERTHROW ONTO PAVEMENT.

IRRIGATION SHALL BE INSTALLED TO MINIMIZE DAMAGE TO THE ROOT SYSTEMS OF EXISTING TREES.

CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH SITE CONDITIONS, AND STUDY THE PLANS FOR ADDITIONAL INFORMATION.

CONTRACTOR SHALL ABANDON ANY OLD IRRIGATION COMPONENTS FOUND BELOW GRADE DURING INSTALLATION.

TO ENSURE PROPER OPERATION, SOURCE SIZE, VALVE SIZES, ZONE CAPACITIES, DRIPPERLINE SPACING, PIPE AND WIRE SIZES, AND INSTALLATION NOTE AND DETAILS SHALL BE FOLLOWED AS SHOWN.

PIPING

PIPE ROUTING IS SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS.

PIPE SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, SECTION "F" OF THE FLORIDA BUILDING CODE, AND PIPE MANUFACTURER'S INSTRUCTIONS.

PIPE ROUTED UNDER HARDSCAPED AREAS SHALL BE SLEEVED IN SCH 40 PVC. EACH SLEEVE SHALL BE: (1) BURIED TO A MINIMUM DEPTH OF 24", (2) TWO PIPE SIZES LARGER THAN CARRIER PIPE, AND (3) EXTENDED 3' BEYOND HARDSCAPED AREA ON EACH END. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING SLEEVES.

PIPE INSTALLED ABOVE GRADE AT THE BACKFLOW PREVENTER SHALL BE SCH 40 GALVANIZED STEEL. ALL OTHER PIPE AND FITTINGS SHALL BE SCH 40 TYPE 1120 PVC.

PIPE SIZED TO LIMIT FLOW VELOCITIES TO 5 FEET/SECOND AND TO LIMIT FRICTION LOSS IN THE PIPING NETWORK.

PIPE SHALL BE INSTALLED AT SUFFICIENT DEPTH BELOW GROUND TO PROTECT IT FROM HAZARD SUCH AS VEHICULAR TRAFFIC OR ROUTINE OCCURRENCES WHICH OCCUR IN THE NORMAL USE AND MAINTENANCE OF THE PROPERTY. DEPTHS OF COVER SHALL MEET OR EXCEED SCS CODE 430-DD. REFER TO THE APPLICABLE DETAILS FOR ADDITIONAL INFORMATION.

BACKFILL SHALL BE OF SUITABLE MATERIAL, FREE OF ROCKS, STONES, AND OTHER DEBRIS THAT WOULD DAMAGE IRRIGATION SYSTEM COMPONENTS.

A GATE VALVE SHALL BE INSTALLED FOR ISOLATION. THIS VALVE SHALL BE TO LINE SIZE AND INSTALLED IN A VALVE BOX. POROUS MATERIAL SHALL BE INSTALLED PER BOX TO PROMOTE DRAINAGE.

THE BACKFLOW PREVENTER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND SHALL BE LOCATED TO BE CONCEALED FROM VIEW.

INSTALL MAIN LINE DIRECTLY ADJACENT TO NEW CURB IN MEDIAN. IF TREE ROOTS GREATER THAN 2" ARE DISTURBED, DIRECTIONAL BORE UNDER EXISTING TREES IN ORDER NOT TO DISTURB ROOTS.

DRIP IRRIGATION

DRIP IRRIGATION SHALL BE INSTALLED TO IRRIGATE ALL LANDSCAPE.

DRIP IRRIGATION SHALL CONSIST OF TECHLINE NETAFIM DRIPPERLINE, FLUSH VALVES, SOIL STAPLES, AND ACCESSORIES.

DRIP PIPE WITH EMITTERS 12" ON-CENTER WHICH DELIVER 0.9 GPH SHALL BE INSTALLED IN ROWS SPACED A MAXIMUM OF 24 INCHES ON-CENTER IN AREAS LANDSCAPED WITH GROUND COVERS AND SHRUBS.

DRIP EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND UNDER THE SUPERVISION OF THE LANDSCAPE ARCHITECT.

LINE FLUSH VALVES SHALL BE INSTALLED AS RECOMMENDED FOR MAINTENANCE.

DRIP IRRIGATION SHALL BE CONTROLLED WITH CONTROL ZONE KITS WHICH INCLUDE SOLENOID VALVE, FILTER, AND PRESSURE REGULATION.

QUANTITIES OF TECHLINE INDICATED ON THE PLAN ARE VERY APPROXIMATE. CONTRACTOR SHALL SUBMIT A PER FOOT UNIT PRICE TO INSTALL TECHLINE SO ADDITIONS AND DELETIONS TO THE CONTRACT MAY BE MADE AT A PRE-DETERMINED PRICE.

CONTROL SYSTEM

CONTROL SYSTEM SHALL BE A RAIN BIRD ESP SERIES ELECTRIC TYPE. ONE 12 STATION CONTROLLER SHALL ACTIVATE 8 CONTROL ZONE KITS. A WEATHER SENSOR SHALL BE INSTALLED TO CONSERVE WATER.

CONTROLLER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S INSTRUCTIONS. PROPER GROUNDING EQUIPMENT SHALL BE PROVIDED.

CONTROLLER LOCATION SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE. A 110 VAC ELECTRIC SOURCE IS REQUIRED.

CONTROL LINES FROM AUTOMATIC CONTROLLER TO IN-LINE AUTOMATIC VALVES SHALL BE #14 AWG THHN TYPE WHICH SHALL BE: (1) INSTALLED IN ACCORDANCE WITH LOCAL CODES, (2) INSTALLED IN SCH 40 PVC WIRE CONDUIT, (3) BURIED TO A MINIMUM DEPTH OF 15", (4) COLORED CODED TO FACILITATE TROUBLESHOOTING, AND (5) SPLICED MOSTLY AT VALVE LOCATIONS. SPLICES SHALL BE MADE WATERPROOF USING APPROVED METHODS. SPARE WIRES SHALL BE ROUTED FROM THE CONTROLLER IN ALL DIRECTIONS TO THE FARTHEST VALVES CONTROLLED.

AN INDIVIDUAL CONTROL WIRE SHALL BE ROUTED TO EACH CONTROL ZONE KITS WHICH OPERATE SIMULTANEOUSLY SHALL BE TEED TOGETHER AT THE CONTROLLER.

AUTOMATIC VALVE LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A VALVE BOX. A MINIMUM OF ONE CUBIC FOOT OF GRAVEL SHALL BE PROVIDED PER BOX TO PROMOTE DRAINAGE.

THE RAIN SENSOR SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

TIMING AND PRECIPITATION

TIMING OF EACH STATION SHALL BE SET IN THE FIELD TO MATCH LOCAL REQUIREMENTS. REFER TO ZONE SUMMARY CHART FOR RECOMMENDED RUN TIMES TO APPLY 1.0 INCHES/WEEK.

LEGEND

SYMBOL	MODEL NO.	DESCRIPTION	* EST. QUANTITY
-X-X-	TLCV9-12	NETAFIM TECHLINE DRIPPERLINE	7,000 LF
⊕FV	TLFV	NETAFIM TECHLINE FLUSH VALVE	16
NOT SHOWN	TLS6	NETAFIM TECHLINE SOIL STAPLES	AS REQUIRED
NOT SHOWN	TLACC	NETAFIM TECHLINE ACCESSORIES	AS REQUIRED
●	XCZ-100-PRB-MC	RAIN BIRD CONTROL ZONE KIT	08
□ CW	ESP-12LXME	RAIN BIRD AUTO. CONTROLLER	01
NOT SHOWN	RSD-BEX	RAIN BIRD RAIN SENSOR	01
NOT SHOWN		PAIGE THHN WIRE	AS REQUIRED
		#12AWG COMMON	
		#14AWG CONTROL	
NOT SHOWN		SCH 40 GALVANIZED STEEL	AS REQUIRED
		SCH 40 PVC	AS REQUIRED
---		MAIN LINE	
---		LATERALS	
==		SLEEVES	
---		SUPPLY HEADERS	
---		DISCHARGE HEADERS	
NOT SHOWN		PVC FITTINGS	
.....		WIRE CONDUIT (WC)	
→←		GATE VALVE (TO LINE SIZE)	02
⊕FV		VALVE BOX	26
□ CW		GROUNDING LOCATION	01
▼		BACKFLOW PREVENTER	BY OTHERS
⊠		CITY WATER METER	BY OTHERS

NOTE: ABOVE QUANTITIES ARE FOR COMPARISON ONLY. CONTRACTOR SHALL VERIFY PRIOR TO SUBMITTING BID.

ZONE SUMMARY CHART

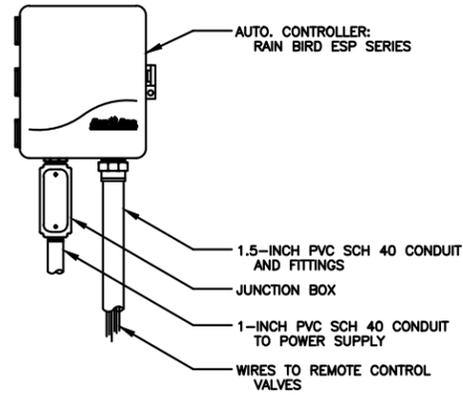
STA NO.	VALVE TYPE	SPRINKLER	VALVE SIZE	WATER DEMAND	RUN *TIME	WEEKLY USAGE
1	CW1	DRIPPER LINE	1"CZK	09GPM	100 MIN/WK	900 GAL/WK
2	CW2	DRIPPER LINE	1"CZK	20GPM	100 MIN/WK	2,000 GAL/WK
3	CW3	DRIPPER LINE	1"CZK	11GPM	100 MIN/WK	1,100 GAL/WK
4	CW4	DRIPPER LINE	1"CZK	05GPM	100 MIN/WK	500 GAL/WK
5	CW5	DRIPPER LINE	1"CZK	14GPM	100 MIN/WK	1,400 GAL/WK
6	CW6	DRIPPER LINE	1"CZK	15GPM	100 MIN/WK	1,500 GAL/WK
7	CW7	DRIPPER LINE	1"CZK	14GPM	100 MIN/WK	1,400 GAL/WK
8	CW8	DRIPPER LINE	1"CZK	18GPM	100 MIN/WK	1,800 GAL/WK
9-12 SPARE						
						800 MIN/WK 10,600 GAL/WK

*TO APPLY 1.0 IN/WK.

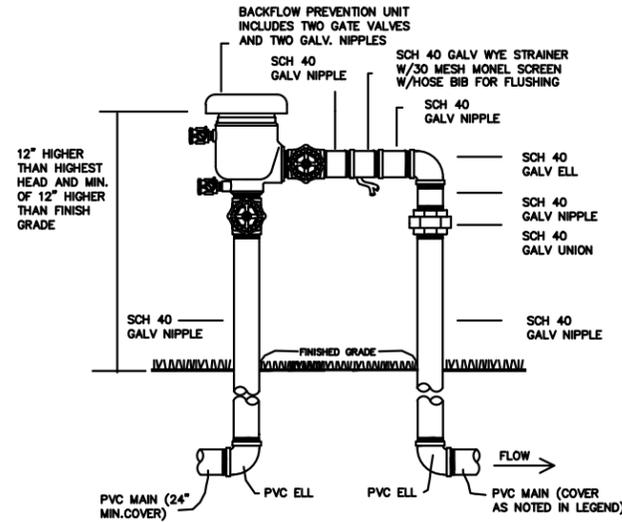
SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						O'Leary Richards Design Associates, Inc. Landscape Architecture & Planning 8525 SW 92nd Street, Suite C-11 Miami, Florida 33156 P. (305)596-6628 F. (305)596-9160 www.olearyrichards.com Certificate of Authorization LC26000195 Kathryn O'Leary Richards LA#0001317	VILLAGE OF PINECREST FLORIDA			SHEET NO. LI-9
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

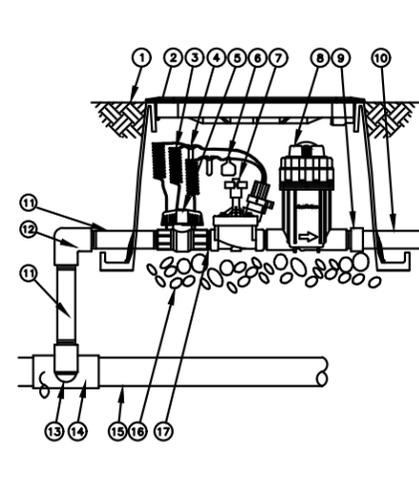
IRRIGATION NOTES & LEGEND



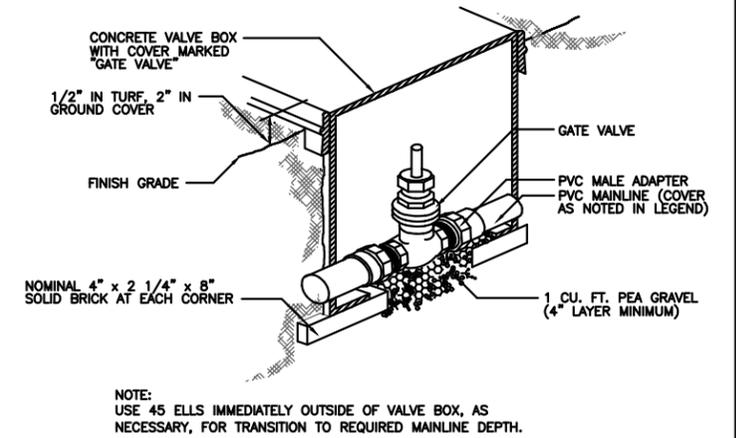
1 ESP AUTOMATIC CONTROLLER
N.T.S.



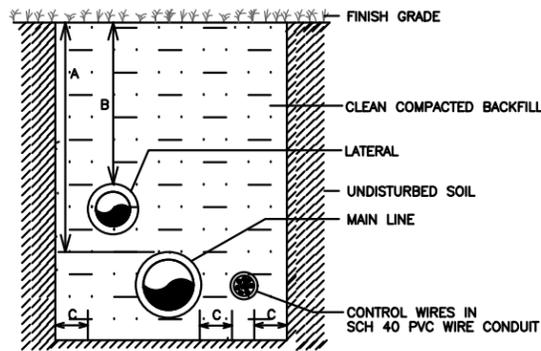
2 PRESSURE VACUUM BREAKER
N.T.S.



3 CONTROL ZONE KIT
N.T.S.

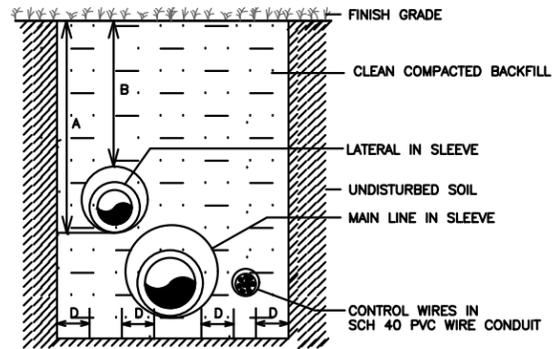


4 GATE VALVE DETAIL
N.T.S.



PIPE SIZE	DIMENSIONS		
	A	B	C
3/4" TO 2"	18"	12"	4"
2 1/2" AND 3"	18"	18"	4"
4" AND LARGER	24"	4"	4"

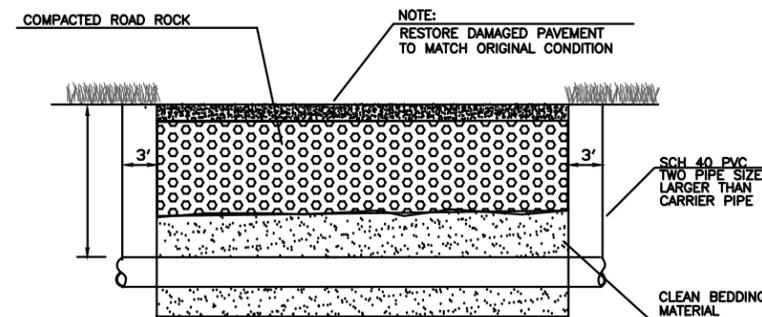
5 TRENCHING DETAIL - NON-TRAFFIC AREAS
N.T.S.



PIPE SIZE	DIMENSIONS		
	A	B	C
1 1/2" AND 2"	24"	18"	4"
3" AND 4"	30"	24"	4"
6" AND LARGER	36"	30"	4"

NOTE: SLEEVES SHALL BE TWICE THE DIAMETER OF THE LATERAL OR WIRE BUNDLE CARRIED

6 TRENCHING DETAIL - VEHICULAR TRAFFIC AREAS
N.T.S.

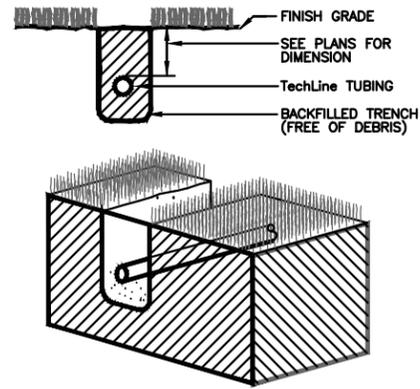


7 PIPE SLEEVE DETAIL
N.T.S.

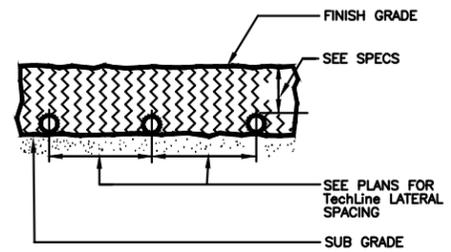
SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			PROJECT NO.	COUNTY	DATE	
								2016-012	MIAMI-DADE	OCTOBER 3, 2016	

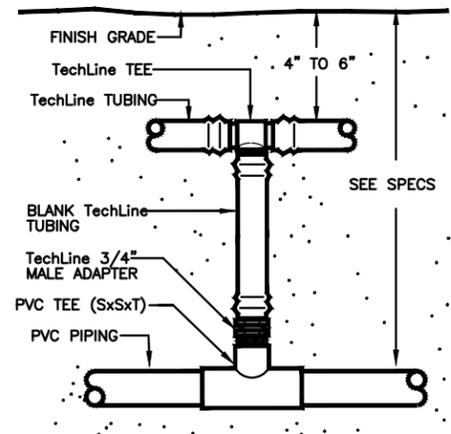
IRRIGATION DETAILS



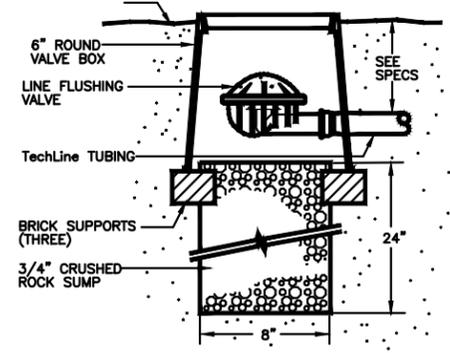
1 TRENCHING DETAIL
N.T.S.



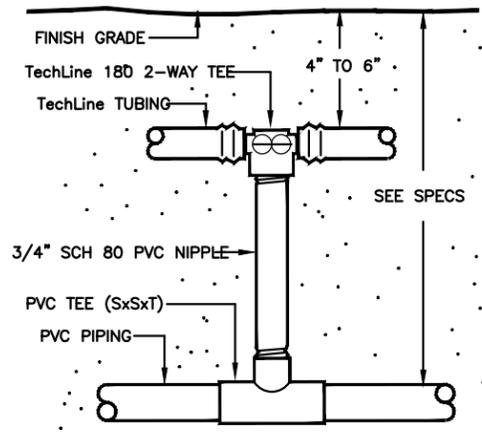
2 SUBGRADE INSTALLATION
N.T.S.



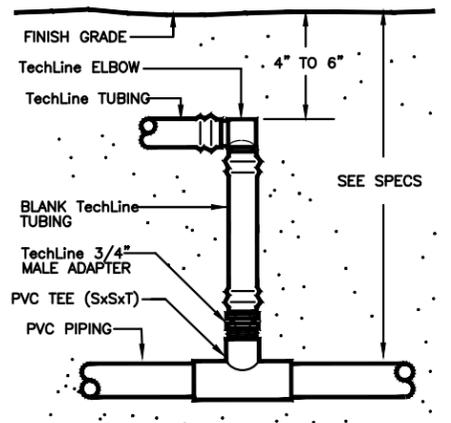
3 START CONNECTION PVC TO TEE
N.T.S.



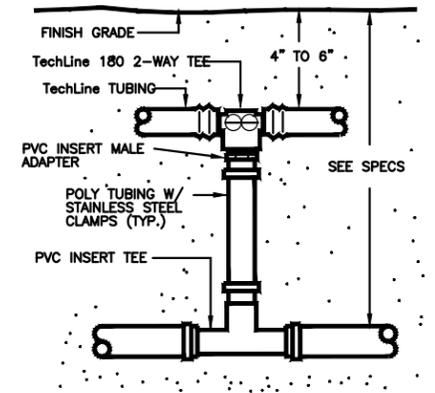
4 LINE FLUSHING VALVE PLUMBED TO TECHLINE
N.T.S.



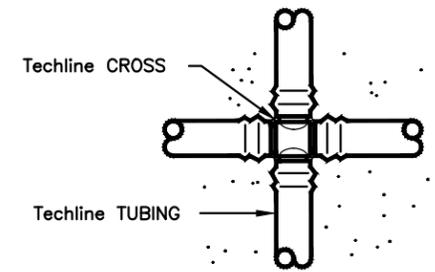
5 START CONNECTION WITH PVC RISER
N.T.S.



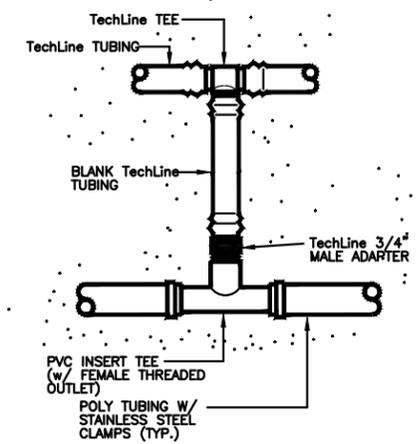
6 START CONNECTION PVC TO ELBOW
N.T.S.



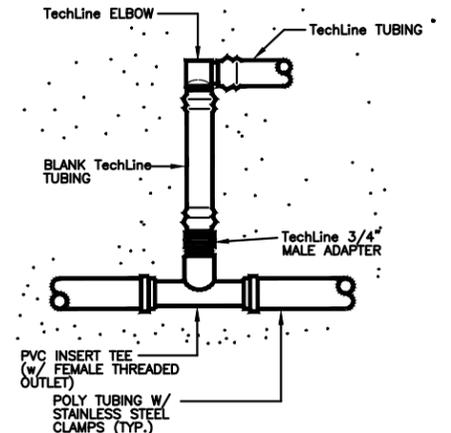
7 START CONNECTION POLY TO TECHLINE
N.T.S.



8 TYPICAL CROSS
N.T.S.



9 START CONNECTION POLY TO TEE
N.T.S.



10 START CONNECTION POLY TO ELL
N.T.S.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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Landscape Architecture & Planning
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Kathryn O'Leary Richards LA#0001317

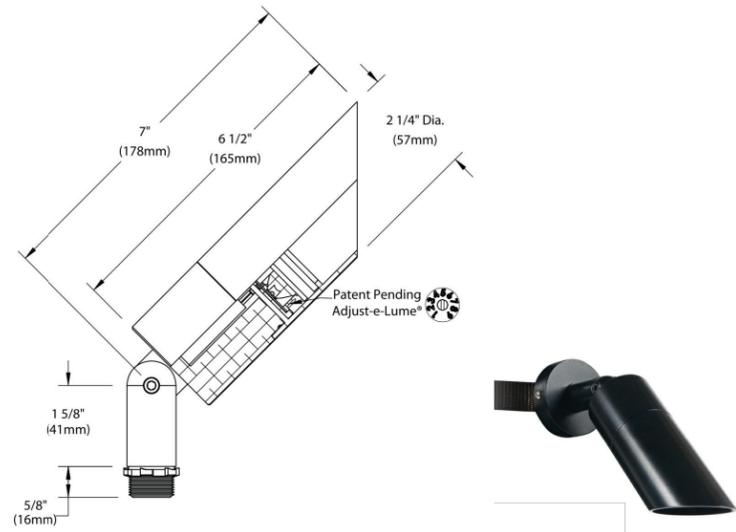
VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

IRRIGATION DETAILS

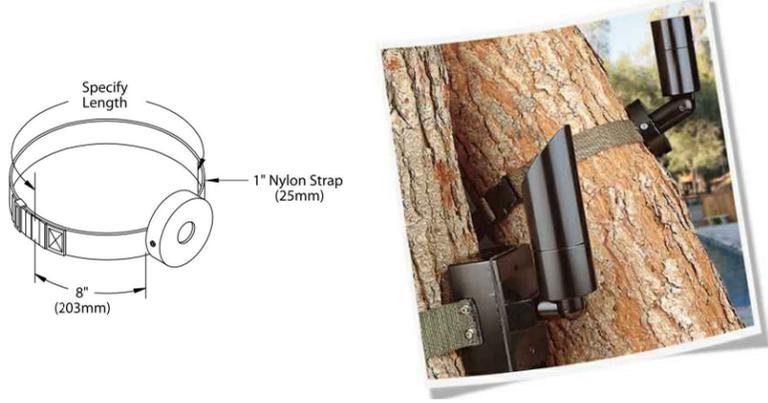
SHEET NO.
LI-11

LANDSCAPE LIGHTING SCHEDULE

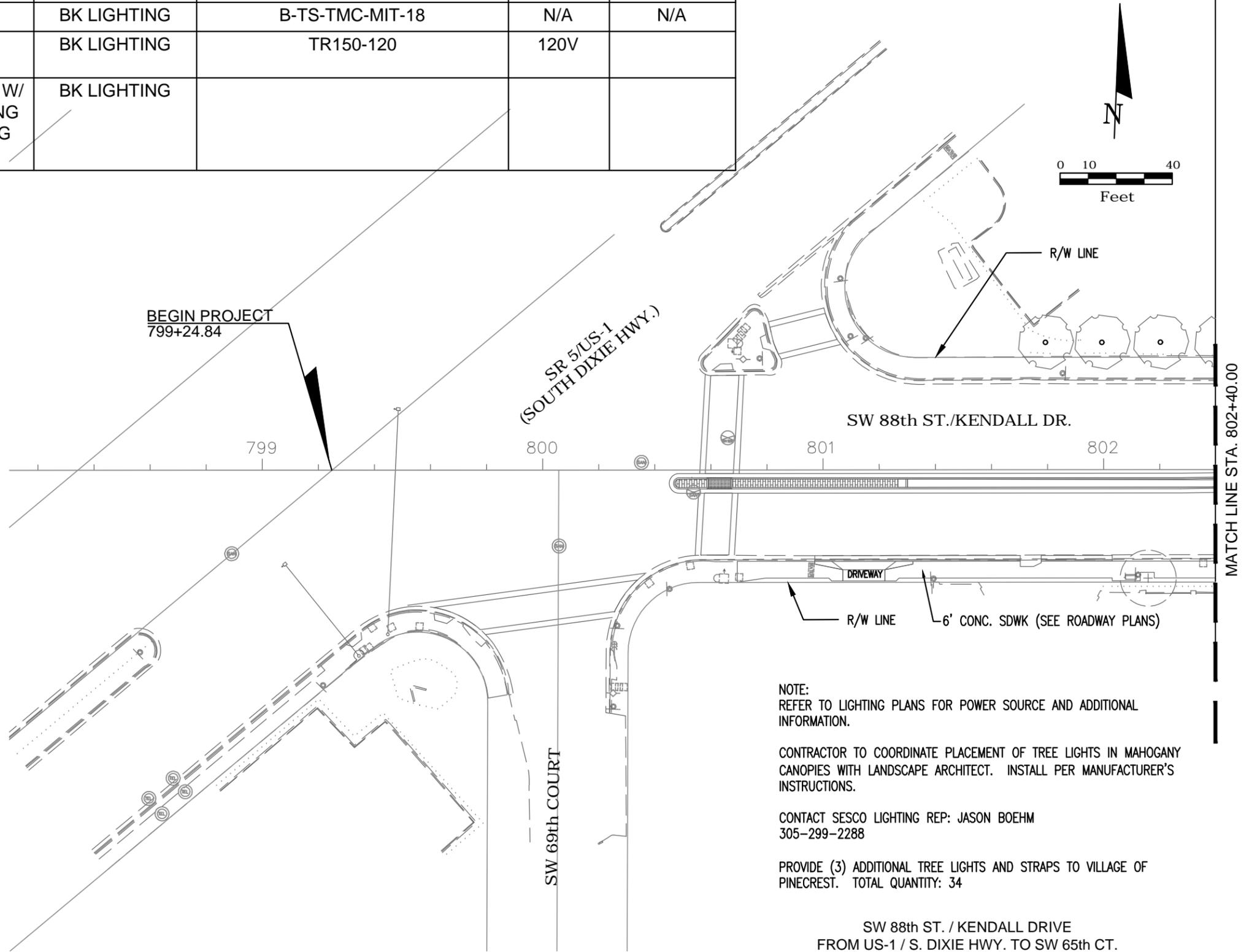
QUANTITY	KEY	DESCRIPTION	MANUFACTURER	CATALOG NO.	VOLT	LAMP TYPE
31	▲	DELTA STAR	BK LIGHTING	B-DS-LED-E22-MFL-A9-MIT-A-360SL	12V	LED
31	▲	TREE STRAP JUNCTION BOX	BK LIGHTING	B-TS-TMC-MIT-18	N/A	N/A
4		MAGNETIC TRANSFORMER TR SERIES	BK LIGHTING	TR150-120	120V	
4		CUSTOM RECEPTACLE BOLLARD W/ TR-150 TRANSFORMER INCLUDING GFI RECEPTACLE (SEE LIGHTING PLANS)	BK LIGHTING			



1 DELTA STAR TREE LIGHT
NTS



2 TREE STRAP
NTS



NOTE:
REFER TO LIGHTING PLANS FOR POWER SOURCE AND ADDITIONAL INFORMATION.

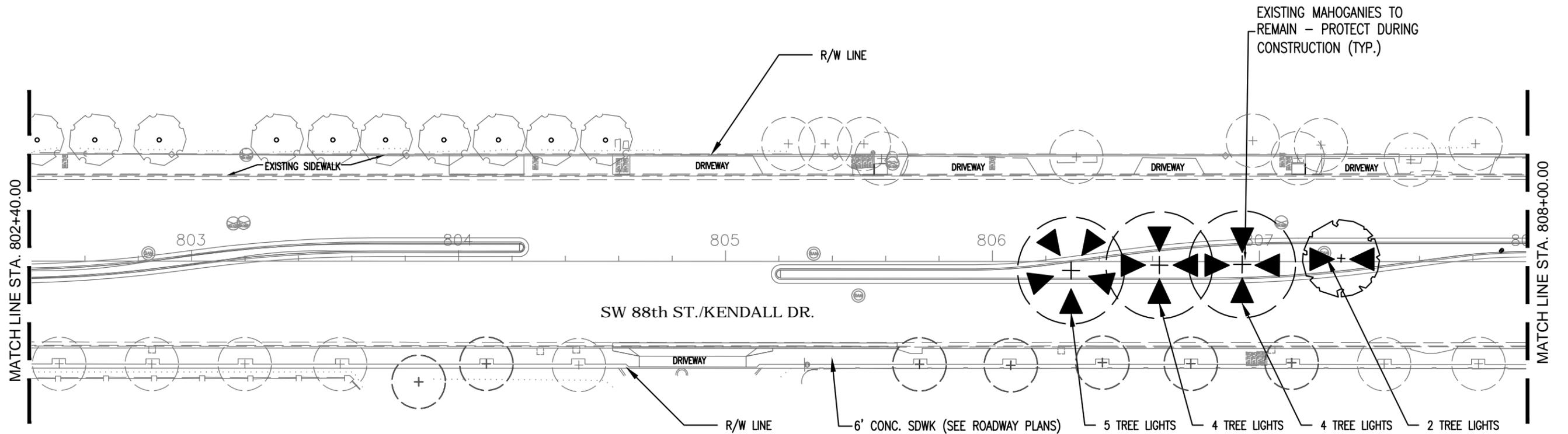
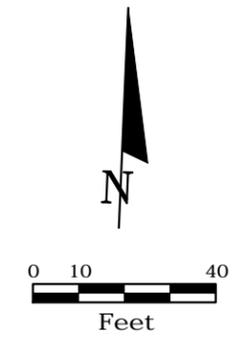
CONTRACTOR TO COORDINATE PLACEMENT OF TREE LIGHTS IN MAHOGANY CANOPIES WITH LANDSCAPE ARCHITECT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

CONTACT SESCO LIGHTING REP: JASON BOEHM
305-299-2288

PROVIDE (3) ADDITIONAL TREE LIGHTS AND STRAPS TO VILLAGE OF PINECREST. TOTAL QUANTITY: 34

SW 88th ST. / KENDALL DRIVE
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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE		LL-1
							2016-012	MIAMI-DADE	OCTOBER 3, 2016		



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

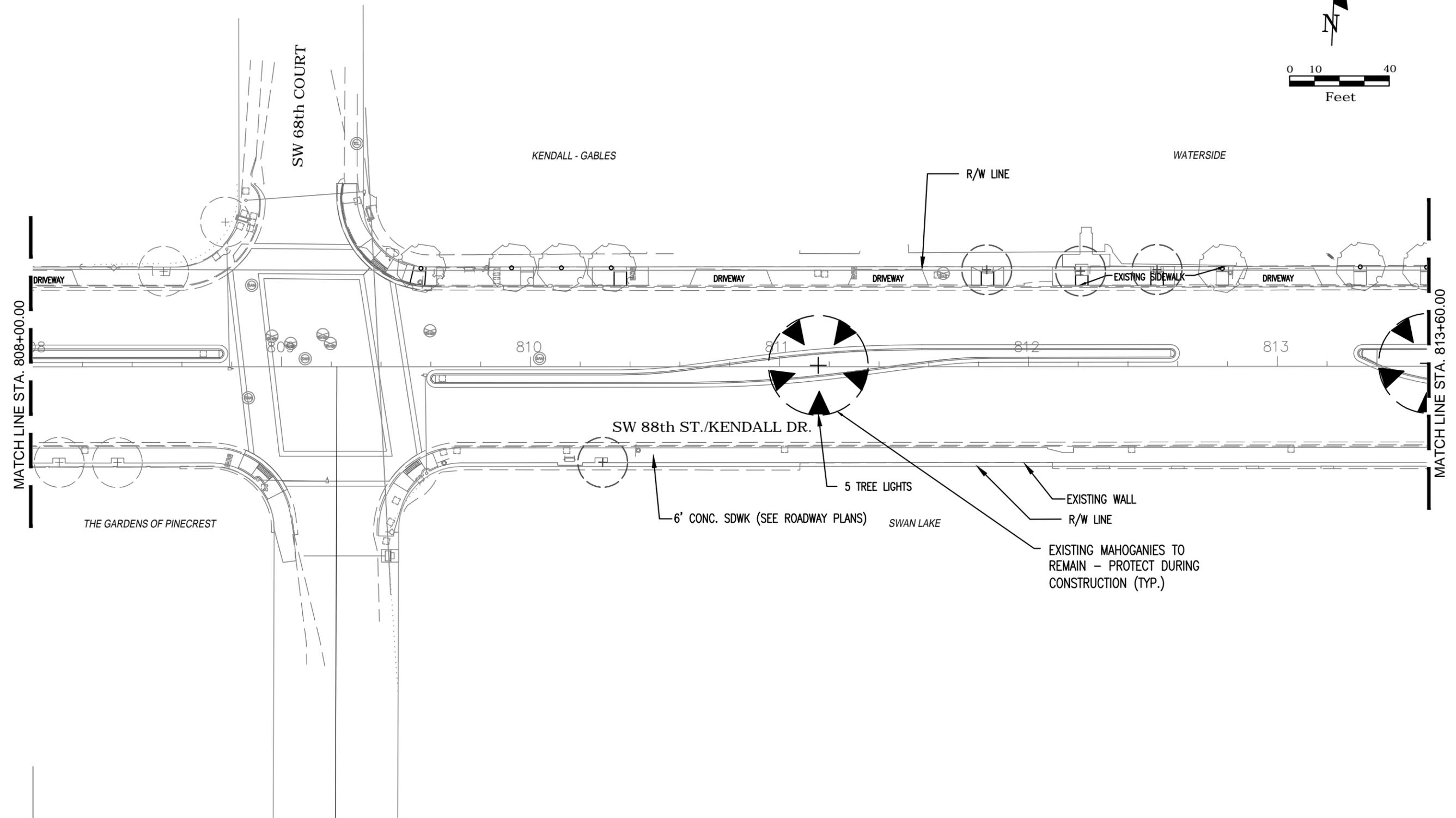
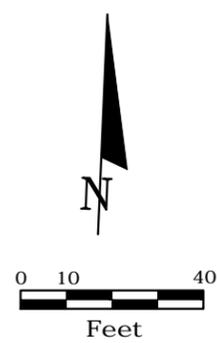
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

LANDSCAPE LIGHTING PLAN

SHEET NO.
LL-2



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

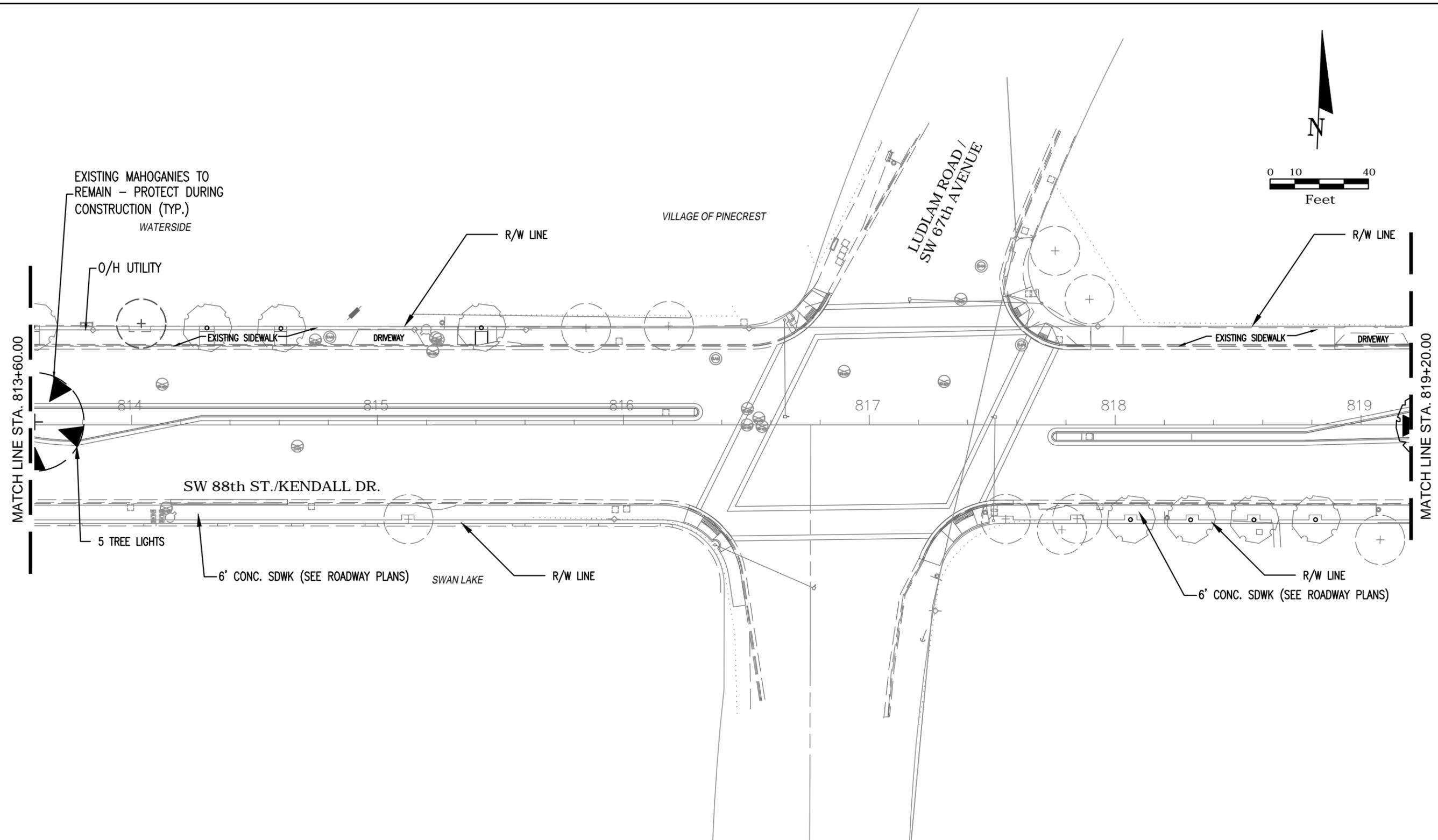
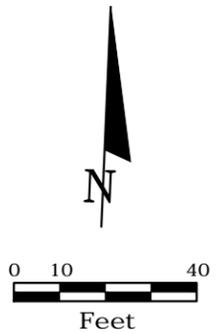
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

SCHEMATIC LANDSCAPE LIGHTING PLAN

SHEET NO.
LL-3



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

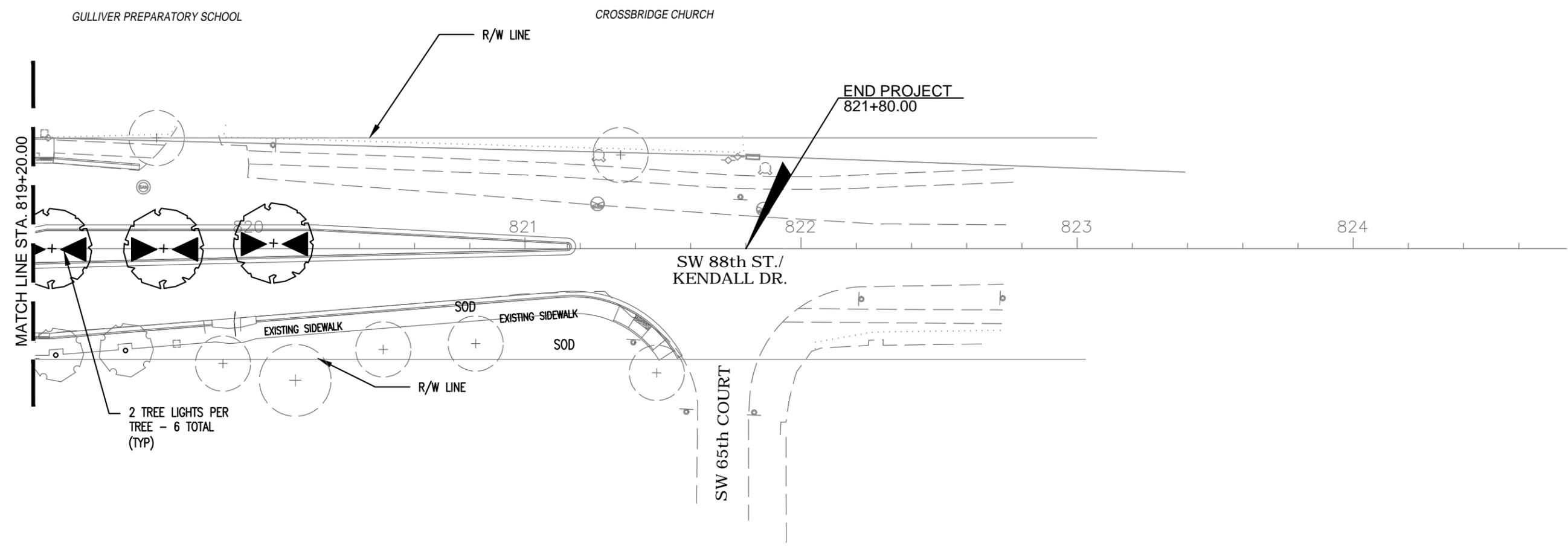
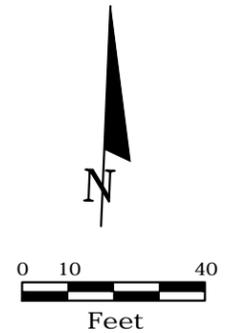
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

SCHEMATIC LANDSCAPE LIGHTING PLAN

SHEET NO.
LL-4



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

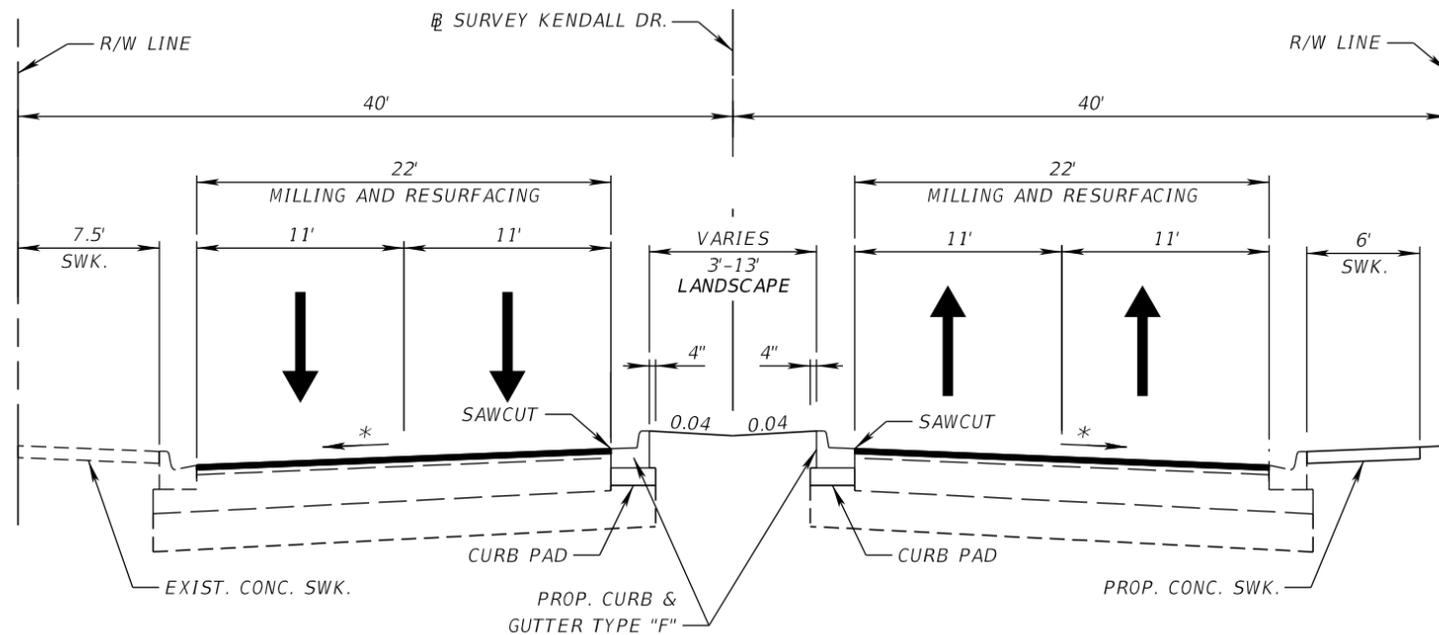
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

SCHEMATIC LANDSCAPE LIGHTING PLAN

SHEET NO.
LL-5



* MATCH EXIST. CROSS SLOPE

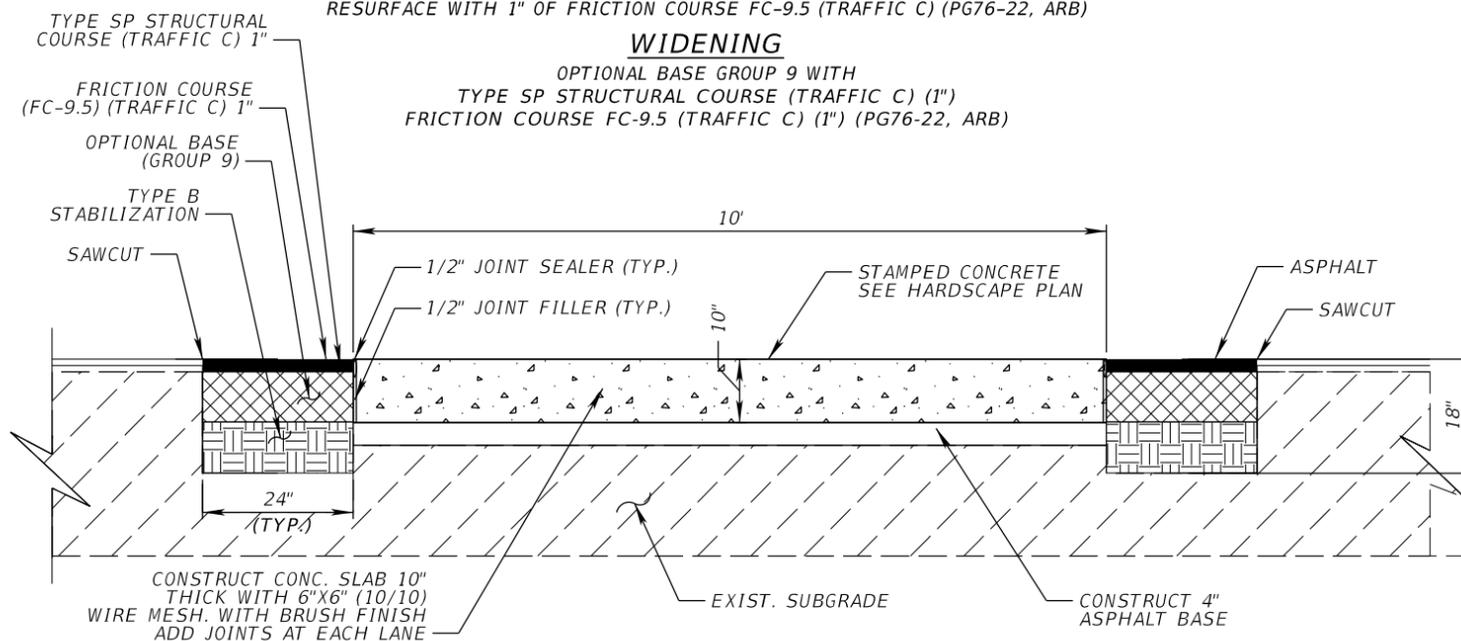
TYPICAL SECTION
SW 88th ST./KENDALL DRIVE
STA. 800+08.26 TO STA. 820+63.89

MILLING & RESURFACING

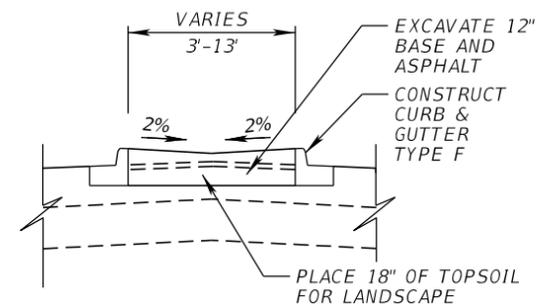
MILL EXISTING ASPHALT PAVEMENT 1" AVERAGE DEPTH
 (3/4" BELOW EXISTING LIP OF GUTTER ON LOW SIDE OF PAVEMENT)
 RESURFACE WITH 1" OF FRICTION COURSE FC-9.5 (TRAFFIC C) (PG76-22, ARB)

WIDENING

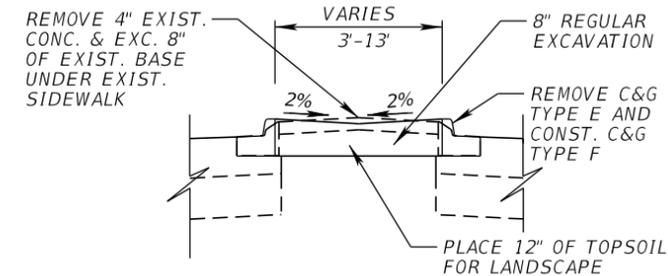
OPTIONAL BASE GROUP 9 WITH
 TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1")
 FRICTION COURSE FC-9.5 (TRAFFIC C) (1") (PG76-22, ARB)



CROSSWALK SECTION DETAIL
 N.T.S.

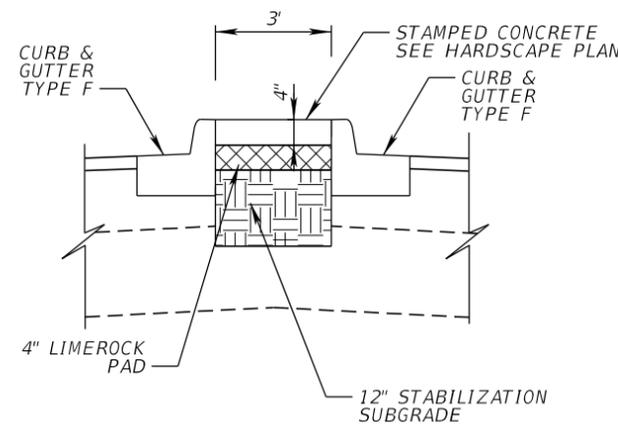


MEDIAN CONSTRUCTION DETAIL
STA. 818+77.53 TO STA. 821+15.35

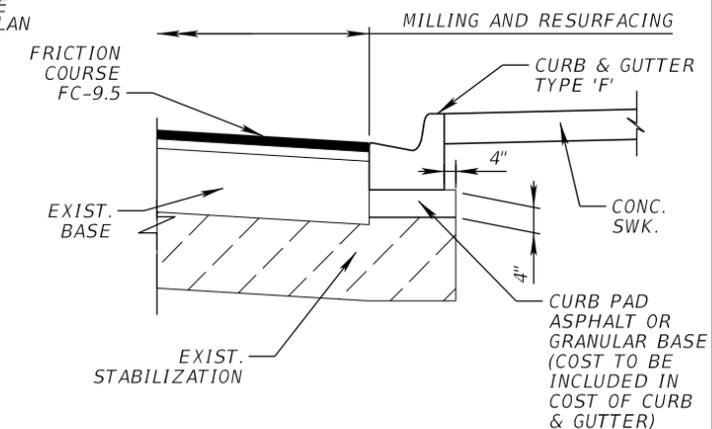


TRAFFIC SEPARATOR CONSTRUCTION DETAIL
(RECONSTRUCT EXISTING CURB & GUTTER)

STA. 801+30.00 TO STA. 804+22.80
 STA. 805+20.62 TO STA. 808+74.96
 STA. 809+61.80 TO STA. 812+57.19
 STA. 813+34.16 TO STA. 816+28.78
 STA. 817+76.09 TO STA. 818+77.53



MEDIAN CONSTRUCTION DETAIL
STA. 800+45.12 TO STA. 801+30.00



CURB PAD DETAIL
 N.T.S.

SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
 Florida Certificate of Authorization # 7538
 10305 N.W. 41st Street, Suite 103
 Doral, Florida 33178
 Tel. (305) 640-1345 Fax (305) 640-1346
 Engineer of Record: Raul E. Alessandri, P.E.
 P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

TYPICAL SECTION

SHEET
 NO.
 C-1

GENERAL NOTES

1. GOVERNING STANDARDS AND SPECIFICATIONS FOR THIS PROJECT INCLUDE THE FLORIDA DEPARTMENT OF TRANSPORTATION 2016 DESIGN STANDARDS AND THE 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 2. B.M. DATA IS NORTH AMERICA VERTICAL DATUM 1988 (NAVD 88)
 3. ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY RON TAYLOR, FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP) SURVEYING AND MAPPING, 3900 COMMONWEALTH BLVD., MAIL STATION 105, TALLAHASSEE, FLORIDA 32399-3000 TELEPHONE (850) 245-2606
 4. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
 5. ALL STATIONS AND OFFSETS REFER TO BASELINE OF SURVEY, UNLESS OTHERWISE STATED.
 6. ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES.
 7. THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF CURB:
 - A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
 - B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
 - C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED,
- THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES. CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION.
8. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION, THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
 9. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).
 10. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES (HORIZONTAL & VERTICAL LOCATIONS) BY ELECTRONIC METHODS AND BY PRE-TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. THIS INCLUDES ALSO DIRECTIONAL BORING.
 11. EXISTING TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY PREPARED BY MG VERA & ASSOC., INC. DATED 05/15/2015
 12. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL AT 1-(800)-432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
 13. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.
 14. MIAMI-DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED OBSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT THE CONSTRUCTION MANAGEMENT SECTION, PUMP STATIONS UNIT, 3071 SW 38 AVENUE, FAX NO. 305-668-3626. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE, FAX NO. 305-545-3482. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305-805-4575 BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, CONTACT MIAMI DADE WATER AND SEWER DEPARTMENT AT 305-274-9272. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.
 15. KNOWN UTILITY COMPANIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:

AT&T FLORIDA
ATLANTIC BROADBAND
COMCAST
FPL TRANSMISSION
FLORIDA CITY GAS
MIAMI DADE WATER AND SEWER
MCI



16. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER, AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
17. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR TO THE SAME OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
18. ANY ENCROACHMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR PROTECTED BY THE ADJACENT PROPERTY OWNER AT THEIR EXPENSE.
19. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
20. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED & MAINTAINED FOR SURVIVAL DURING CONSTRUCTION.
21. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
22. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREA.
23. EXPLORATORY OR PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
24. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
25. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
26. ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
27. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.
28. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
29. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ANY STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
30. CONTRACTOR TO RELOCATE TREES AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL AVOID DAMAGE TO ANY EXISTING TREES TO REMAIN. EXISTING TREES SHALL BE REMOVED ONLY IF INDICATED IN THE PROJECT DOCUMENTS. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE.
31. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.

32. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT.
33. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
34. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
35. CONTRACTOR SHALL ADJUST ALL EXISTING CATCH BASINS, GRATES, AND STORM MANHOLE COVERS TO MEET NEW GRADES WHERE APPLICABLE.
36. ELEVATIONS AND OFFSETS SHOWN AT DRAINAGE STRUCTURES REFER TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
37. RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
38. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION, AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN THE PUBLIC WORKS DEPARTMENT MANUAL, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE FDOT DESIGN STANDARDS.
39. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.
40. CONTRACTOR TO INSTALL 1/2" PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
41. THE SIDEWALK AT DRIVEWAY TURNOUTS SHALL BE 6" CONCRETE.
42. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.
43. THE CONTRACTOR SHALL CONTACT MDT (RICK AGUILAR AT TEL. 786-469-5046) PRIOR TO MOVING BUS STOP FURNISHINGS AND SIDEWALK DEMOLITION, FOR SIGNS REPLACEMENT AND TEMPORARY BUS STOP LOCATIONS.

SIGNING AND PAVEMENT MARKING NOTES

1. ALL SIGNING AND PAVEMENT MARKINGS SHALL CONFORM WITH THE CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
2. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE SPECIFIED. BEFORE STARTING THE PROJECT, THE CONTRACTOR WILL REVIEW EXISTING SIGNS SHOWN ON THE PLANS TO BE RELOCATED OR TO REMAIN. THE CONTRACTOR WILL NOTIFY IN WRITING TO THE PROJECT ENGINEER OF ANY MISSING SIGNS BEFORE CONSTRUCTION STARTS. SIGNS DAMAGED BY THE CONTRACTOR'S OPERATIONS WILL BE REPLACED AT NO COST TO THE DEPARTMENT. IF EXISTING SIGNS TO BE RELOCATED HAVE A DAMAGED POLE OR A POLE NOT MEETING HEIGHT SPECIFICATION REQUIREMENTS, THE COST OF A NEW POLE WILL BE INCLUDED IN THE RELOCATION BID ITEM.
3. ALL PERMANENT PAVEMENT MARKINGS, MESSAGES, AND ARROWS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
4. REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED ALONG THE ENTIRE LENGTH OF THE PROJECT AS PER FDOT STANDARD INDEX NO. 17352.
5. MATCH EXISTING PAVEMENT MARKINGS AT THE BEGINNING AND AT THE END OF THE PROJECT AND AT ALL SIDE STREETS WITHOUT JOGS OR OFFSETS.
6. SIGN ASSEMBLY LOCATIONS SHOWN ON PLANS WHICH ARE IN CONFLICT WITH LIGHTING, UTILITIES, DRIVEWAYS, WHEELCHAIR RAMPS, ETC. MAY BE ADJUSTED SLIGHTLY AS DIRECTED BY THE ENGINEER. EXTREME LOCATION CHANGES MUST BE APPROVED BY MIAMI-DADE SIGNALS AND SIGNS DIVISION.
7. EXTRUDED ALUMINUM SIGN SUPPORT CLAMPS ARE NOT ACCEPTABLE. ALL RELOCATED SIGNS MUST COMPLY WITH THE DESIGN STANDARDS AS IF THEY WERE NEW SIGNS. IF EXISTING CLAMPS, BRACKETS, POLES, ETC. NEED TO BE REPLACED THE COST SHALL BE INCLUDED IN THE RELOCATION PAY ITEM.
8. ANY SIGNING MATERIALS, INCLUDING SUPPORTS, TO BE REMOVED AS NOTED ON PLAN SHEETS, SHALL BE DELIVERED BY THE CONTRACTOR IN EXISTING CONDITION, IN CARE OF THE STOREKEEPER AT THE MIAMI-DADE COUNTY MAINTENANCE YARD, 7100 NW 36 STREET, MIAMI, FL 33166.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

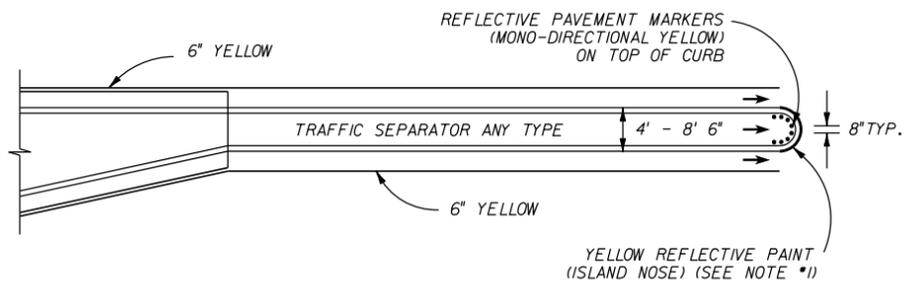
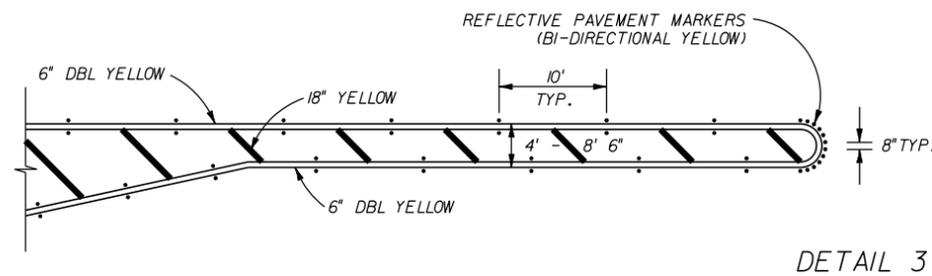
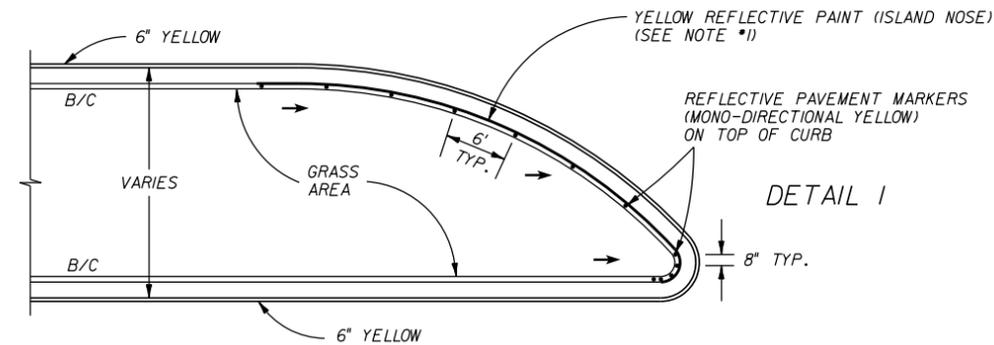
REVISIONS						VILLAGE OF PINECREST FLORIDA			SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	PROJECT NO.	COUNTY	DATE	
						2016-012	MIAMI-DADE	OCTOBER 3, 2016	GENERAL NOTES C-2

ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
Doral, Florida 33178
Tel. (305) 640-1345 Fax (305) 640-1346

Engineer of Record: Raul E. Alessandri, P.E.
P.E. No. 75506

LIGHTING NOTES

1. INSTALLATIONS OF NEW PULL BOXES SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL CONTRACTOR. WHEN NEW PULL BOX IS REPLACING EXISTING PULL BOX, THE CONTRACTOR SHALL ADJUST CONDUITS AND CABLES TO FIT THE NEW PULL BOX ELEVATION. COST OF ADJUSTMENTS IS INCLUDED IN THE PULL BOX PAY ITEM.
 2. PAYMENT FOR CONDUCTOR SHALL BE BASED ON THE LINEAR FEET OF SINGLE CONDUCTOR IN HORIZONTAL MEASUREMENT. NO ALLOWANCES SHALL BE MADE FOR CONNECTION IN PULL BOXES, CABINETS OR POLES
 3. SUBMITTAL DATA PRIOR TO ANY PROCUREMENT ORDER THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, EQUIPMENT SPECIFICATIONS OR DESIGN DATA FOR ALL MATERIALS PROPOSED FOR THE PROJECT AND SHALL INCLUDE, BUT NOT LIMITED TO:
 - A. SHOP DRAWINGS FOR THE LUMINARIES AND TRANSFORMERS.
 - B. CONDUCTORS, CONDUIT, GROUND RODS AND PULL BOXES.
 - C. FUSES, FUSE HOLDERS, SURGE PROTECTORS AND LUMINAIRE DISTRIBUTION SYSTEMS.
 - D. SAFETY SWITCHES, PANELS, CIRCUIT BREAKERS, AND OTHER MAJOR SERVICE POINT COMPONENTS.
- SEVEN COPIES OF THE SHOP DRAWINGS AND DESIGN DATA SHALL BE SUBMITTED TO VILLAGE OF PINECREST PUBLIC WORKS DIRECTOR. ALLOW A 45 DAY TURNAROUND FOR SUBMITTALS.
4. ANY EXISTING WIRES AND CONDUITS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE, NOTIFY THE PROJECT MANAGER.
 5. LOCATION OF PULL BOXES, GROUND RODS AND CONDUITS, WHICH ARE IN CONFLICT WITH UTILITIES AND TRAFFIC SIGNAL SYSTEM COMMUNICATION CABLES MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.



DETAIL 2

NOTES:

1. FURNISH AND INSTALL REFLECTIVE PAINT ON THE FACE OF CURB FOR THE LIMITS SHOWN IN THE ABOVE DETAILS.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. GENERAL NOTES C-3
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
102-60	WORK ZONE SIGNS	ED	1290
102-74-1	BARRICADES (TEMPORARY I, II, VP & DRUM) CHANNELIZATION	ED	12150
102-76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	270
102-104	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	405
102-107-1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	405
104-18	INLET PROTECTION SYSTEM	EA	15
107-1	LITTER REMOVAL AND DISPOSAL	AC	12.5
110-1-1	CLEARING AND GRUBBING	LS	1
120-1	REGULAR EXCAVATION	CY	479
160-4	TYPE B STABILIZATION	SY	329
285-7-09	OPTIONAL BASE, GROUP 09	SY	329
327-70-1	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)	SY	12250
334-1-13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C (1" AVG. DEPTH)	TN	18
337-7-3	ASPHALTIC CONCRETE FRICTION COURSE FC-9.5	TN	690
400-2-46	CONCRETE CLASS II, CAST-IN-PLACE	CY	220
400-144	PAINTING CONCRETE SURFACES	SF	5800
400-150	CLEANING AND SEALING EXISTING CONCRETE SURFACE	SF	26050
425-1-355	INLET, CURB TYPE 5, PARTIAL	EA	1
425-1-361	INLETS, CURB, TYPE P-6, <10'	EA	1
425-2-43	MANHOLES, P-7, PARTIAL	EA	1
425-5-1	MANHOLES, ADJUST, UTILITIES	EA	4
425-6	VALVE BOXES, ADJUST (ALSO INCLUDES WATER METER BOXES)	EA	24
430-174-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	LF	4
520-1-10	CONCRETE CURB AND GUTTER (TYPE "F") INCLUDES COST OF 4" LIMEROCK PAD	LF	4152
522-1	CONCRETE SIDEWALK (4" THICK) (INCLUDING PEDESTRIAN RAMP)	SY	1612
522-2	CONCRETE SIDEWALK (6" THICK) (INCLUDES DRIVEWAYS)	SY	51.7
527-2	DETECTABLE WARNINGS	SF	154
590-70	IRRIGATION SYSTEM COMPLETE	LS	1
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (LIGHTING)	LF	2380
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (IRRIGATION)	LF	592
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (SIGNALIZATION)	LF	58
632-7-2	SIGNAL CABLE-REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	58
635-2-11	PULL & SPLICE BOX, F&I, 13"x24" SIZE	EA	61
639-1-121	ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER PURCHASED FROM POWER COMPANY	AS	1
639-2-1	ELECTRICAL SERVICE WIRE	LF	110
639-6-1	ELECTRICAL POWER SERVICE-TRANSFORMER FURNISH & INSTALL	EA	4
660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	13
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	3
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	7
700-1-50	SINGLE POST SIGN, RELOCATE	AS	4
700-1-60	SINGLE POST SIGN, REMOVE	AS	7
706-3	RETRO-REFLECTIVE PAVEMENT MARKER	EA	310
710-11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	312
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	1472
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	33
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	171
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/6-10 GAP, EXTENSION, 6"	GM	0.041
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	16
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	33
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDELINE/6-10 GAP, EXTENSION, 6"	GM	0.008
711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	256
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.975
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.022
711-16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM	0.509
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.733
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO.10 OR SMALLER	LF	8850
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8-6	LF	7290
715-7-12	LOAD CENTER, F&I, PRIMARY VOLTAGE	EA	1
715-11-119	LUMINAIRE, FURNISH & INSTALL, ROADWAY, SPECIAL	EA	34

PAY ITEM NOTES

- 102-1 TO BE ACCOMPLISHED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 600 SERIES, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, PUBLIC WORKS MANUAL OF METROPOLITAN DADE COUNTY, AND THE LATEST REVISIONS OF THE AFOREMENTIONED MANUALS. INCLUDES THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS INCLUDING BUT NOT LIMITED TO SIGNS, BARRICADES, FLASHING LIGHTS, TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS, TRAFFIC SIGNAL MODIFICATION FOR TRAFFIC CONTROL, ETC.
- 110-1-1 INCLUDES REMOVAL OF EXISTING ASPHALT PAVEMENT, CONCRETE SIDEWALK, DRIVEWAYS, CURB AND GUTTER, DRAINAGE STRUCTURES AND PIPES, MISCELLANEOUS CONCRETE, VEGETATION, TREES AND DEBRIS TO BE DISPOSED OFF IN LEGAL AREAS PROVIDED BY THE CONTRACTOR. INCLUDES THE COST OF CLEANING-OUT ALL EXISTING DRAINAGE STRUCTURES WHICH ARE TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
- 120-1 ANY EXCAVATED MATERIAL, IF UNSUITABLE, SHALL NOT BE USED IN THE CONSTRUCTION OF EMBANKMENT. EXCESS MATERIAL TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM.
- 400-144 INCLUDES PAINTING THE WALL FROM STA. 809+45.00 (RT) TO STA. 816+44.76 (RT) IN ACCORDANCE WITH ASTM 4258, ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PAINT COLOR SHOULD MATCH EXISTING AND IS TO BE APPROVED BY THE VILLAGE OF PINECREST.
- 400-150 INCLUDES PRESSURE CLEANING ALL SIDEWALK AND CURB AND GUTTER TO REMAIN AND THE WALL.
- 400-2-46 INCLUDES STAMPED COLORED CONCRETE FOR CROSSWALK & WIRE WELDED MESH REINFORCEMENT AND 4" ASPHALT BASE.
- 430-174-115 INCLUDES ALSO A CONCRETE JACKET.
- 520-1-10 INCLUDES DROP CURB AT DRIVEWAYS AND 3 FT OF CURB ENDING AS DIRECTED BY THE ENGINEER.
- 522-1 INCLUDES THE COST OF PEDESTRIAN RAMPS. ALSO INCLUDES STAMPED CONCRETE ON MEDIAN.
- 522-2 ESTIMATED QUANTITY FOR DRIVEWAYS TO BE CONSTRUCTED AT LOCATIONS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- 590-70 INCLUDES COMPLETE IRRIGATIONS SYSTEM AS SHOWN IN IRRIGATION PLANS.
- 630-2-12 INCLUDES OPEN TRENCH INSTALLATION UNDER SIDEWALK AT SE CORNER OF SW 68 CT.
- 715-7-12 INCLUDES ALL COMPONENTS LISTED IN THE STANDARD INDEX NO.17504 AND ALL EXTERNAL AND INTERNAL CONDUIT AND CONDUCTORS FOR THE SERVICE

* ADDITIONAL QUANTITIES ARE CONTINGENT, TO BE USED AS DIRECTED BY THE ENGINEER AND HAVE BEEN INCLUDED IN THE TOTAL QUANTITY AMOUNT SHOWN ON THE SUMMARY OF PAY ITEMS.

SW 88th ST. / KENDALL DRIVE
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REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. SUMMARY OF QUANTITIES C-4
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

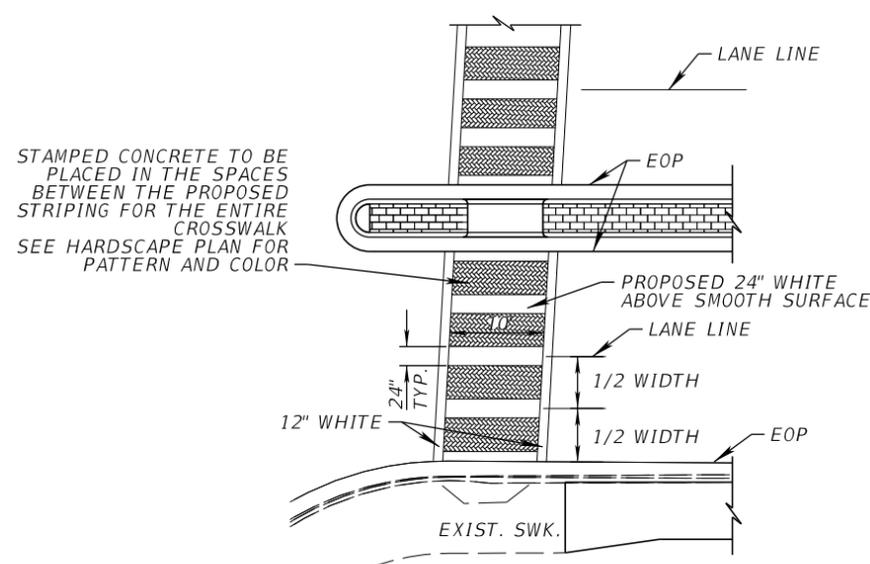
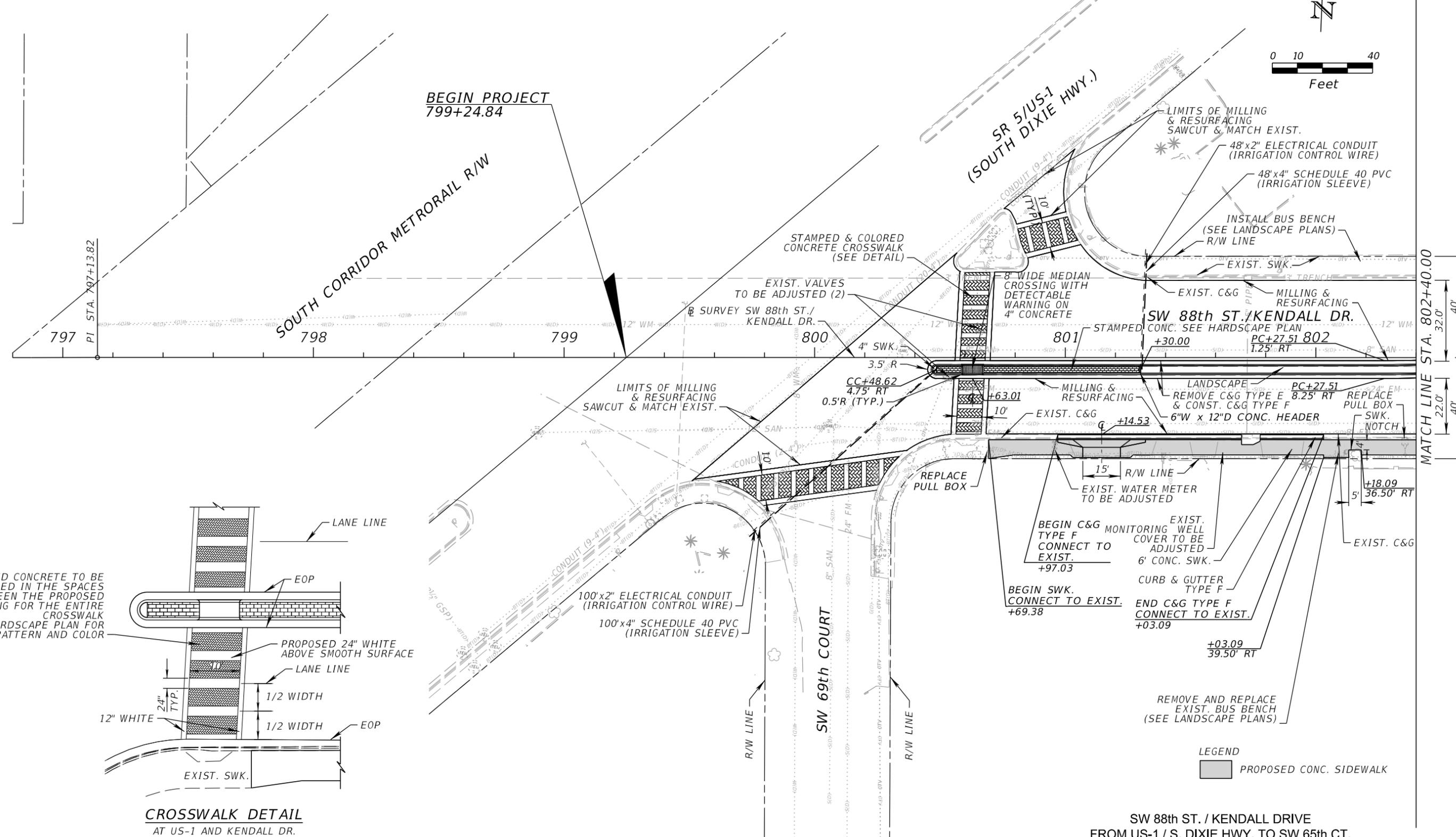
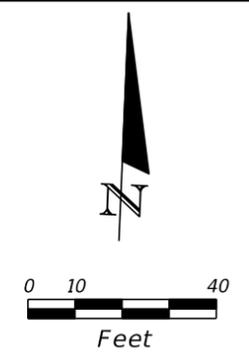
SUMMARY OF UTILITY ADJUSTMENTS

PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	OFFSET	SIDE	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
		STATION	FT.			P	F	P	F		
425-5-1	SANITARY MANHOLE	802+83.82	3.0	LT	EA	1.0		4			ON ASPHALT
	SANITARY MANHOLE	808+86.71	12.4	RT	EA	1.0					ON CONCRETE CROSSWALK
	SANITARY MANHOLE	808+88.08	32.7	LT	EA	1.0					ON CONCRETE CROSSWALK
	SANITARY MANHOLE	817+61.94	32.5	LT	EA	1.0					ON CONCRETE CROSSWALK
425-6	SANITARY VALVE	800+53.76	7.9	RT	EA	1.0		9			ON CONCRETE C&G MEDIAN
	WATER VALVE	800+66.01	11.4	LT	EA	1.0					ON CONCRETE CROSSWALK
	WATER VALVE	808+96.24	12.3	LT	EA	1.0					ON CONCRETE CROSSWALK
	WATER VALVE	814+14.07	33.7	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER VALVE	816+50.25	0.0	RT	EA	1.0					ON CONCRETE CROSSWALK
	WATER VALVE	816+50.42	6.6	LT	EA	1.0					ON CONCRETE CROSSWALK
	WATER VALVE	816+55.06	2.8	LT	EA	1.0					ON CONCRETE CROSSWALK
	WATER VALVE	816+56.42	0.6	RT	EA	1.0					ON CONCRETE CROSSWALK
	SANITARY VALVE	817+37.24	51.0	LT	EA	1.0					ON CONCRETE CROSSWALK
	WATER METER	800+95.80	35.6	RT	EA	1.0		15			ON CONCRETE SIDEWALK
	WATER METER	804+59.93	36.0	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	804+62.45	36.0	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	805+48.12	37.4	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	805+50.17	37.3	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	805+52.19	37.5	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	805+54.08	37.5	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	806+95.96	36.4	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	806+97.92	36.6	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	807+00.01	36.2	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	807+01.78	36.3	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	808+78.74	37.5	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	810+41.03	37.3	LT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	814+08.77	37.0	RT	EA	1.0					ON CONCRETE SIDEWALK
	WATER METER	814+12.12	37.0	RT	EA	1.0					ON CONCRETE SIDEWALK

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. C-5
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

SUMMARY OF QUANTITIES



CROSSWALK DETAIL
AT US-1 AND KENDALL DR.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

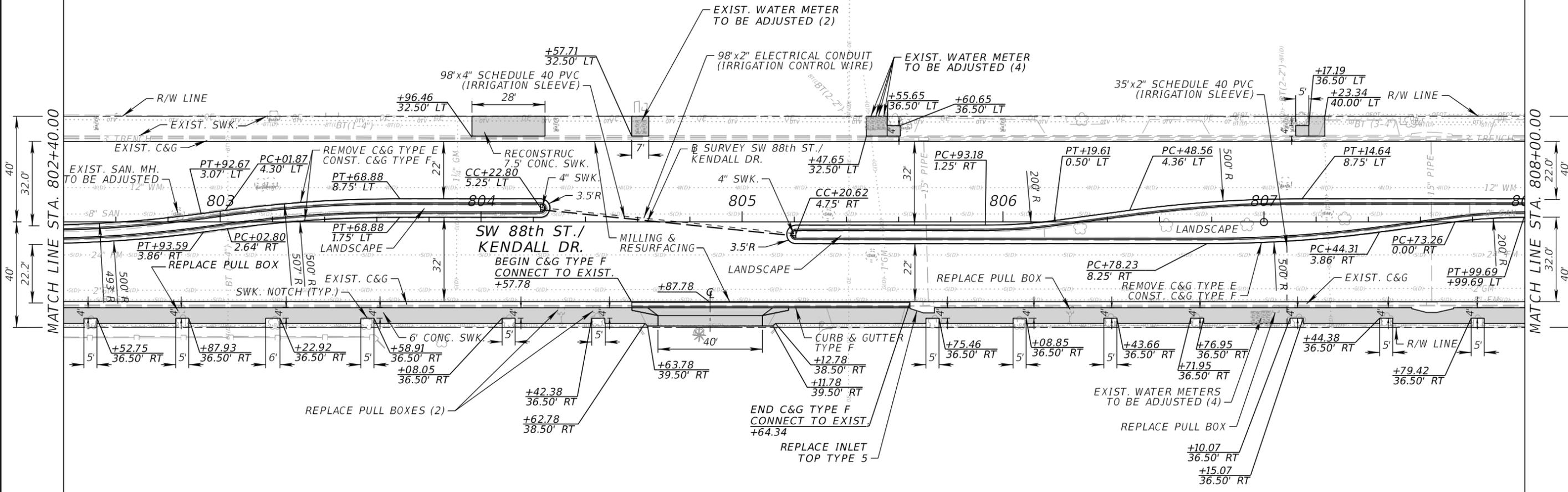
LEGEND
 PROPOSED CONC. SIDEWALK

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
 Florida Certificate of Authorization # 7538
 10305 N.W. 41st Street, Suite 103
 Doral, Florida 33178
 Tel. (305) 640-1345 Fax (305) 640-1346
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 P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

ROADWAY PLAN	
C-6	



LEGEND
 PROPOSED CONC. SIDEWALK

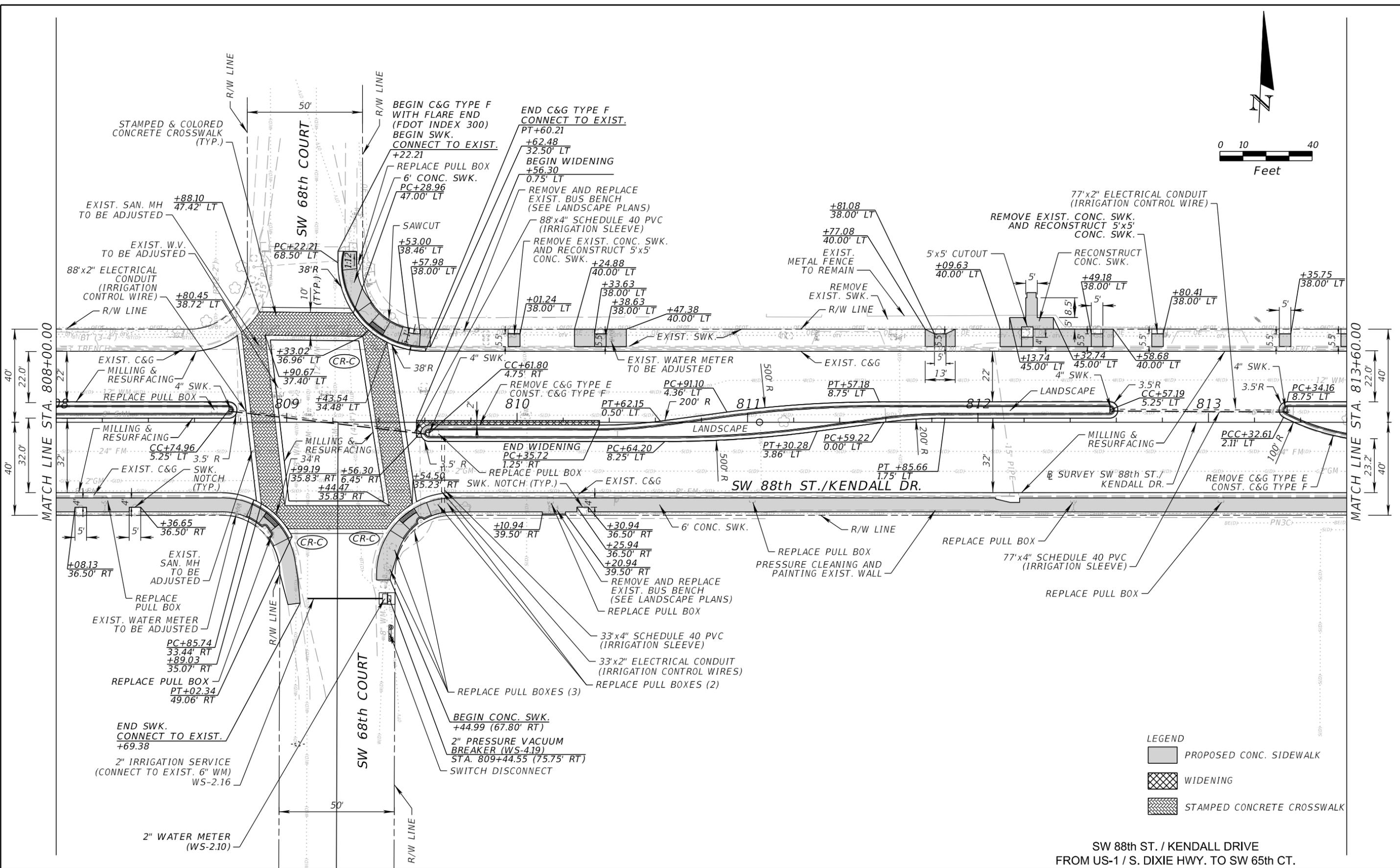
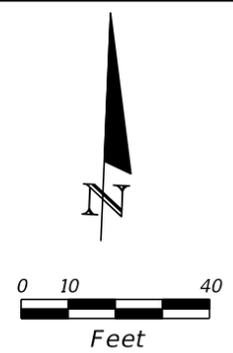
SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
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 10305 N.W. 41st Street, Suite 103
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VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

ROADWAY PLAN	SHEET NO. C-7
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- LEGEND**
- PROPOSED CONC. SIDEWALK
 - WIDENING
 - STAMPED CONCRETE CROSSWALK

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

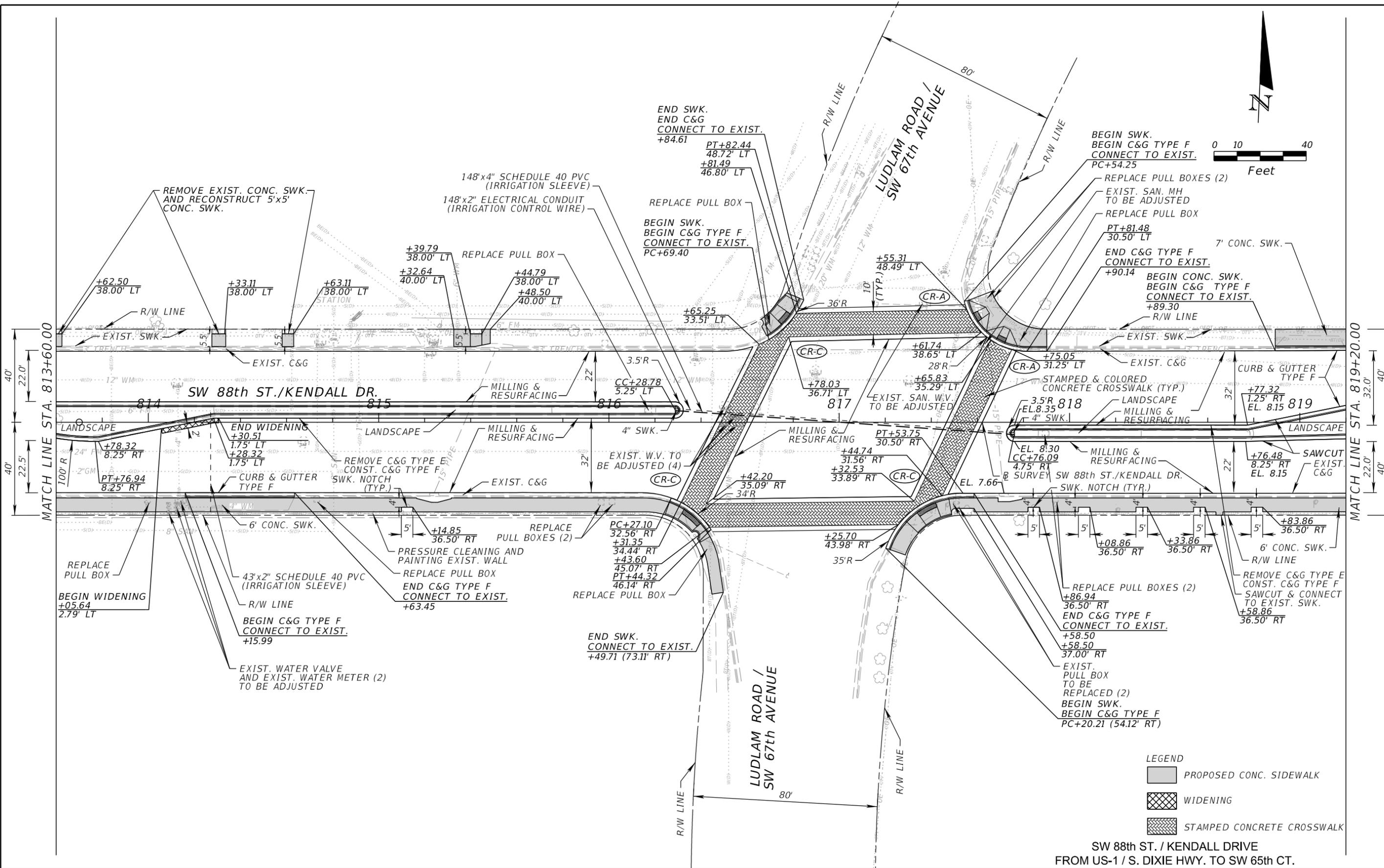
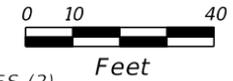
ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
Doral, Florida 33178
Tel. (305) 640-1345 Fax (305) 640-1346

Engineer of Record: Raul E. Alessandri, P.E.
P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

ROADWAY PLAN

SHEET NO.
C-8



- LEGEND**
- PROPOSED CONC. SIDEWALK
 - WIDENING
 - STAMPED CONCRETE CROSSWALK

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

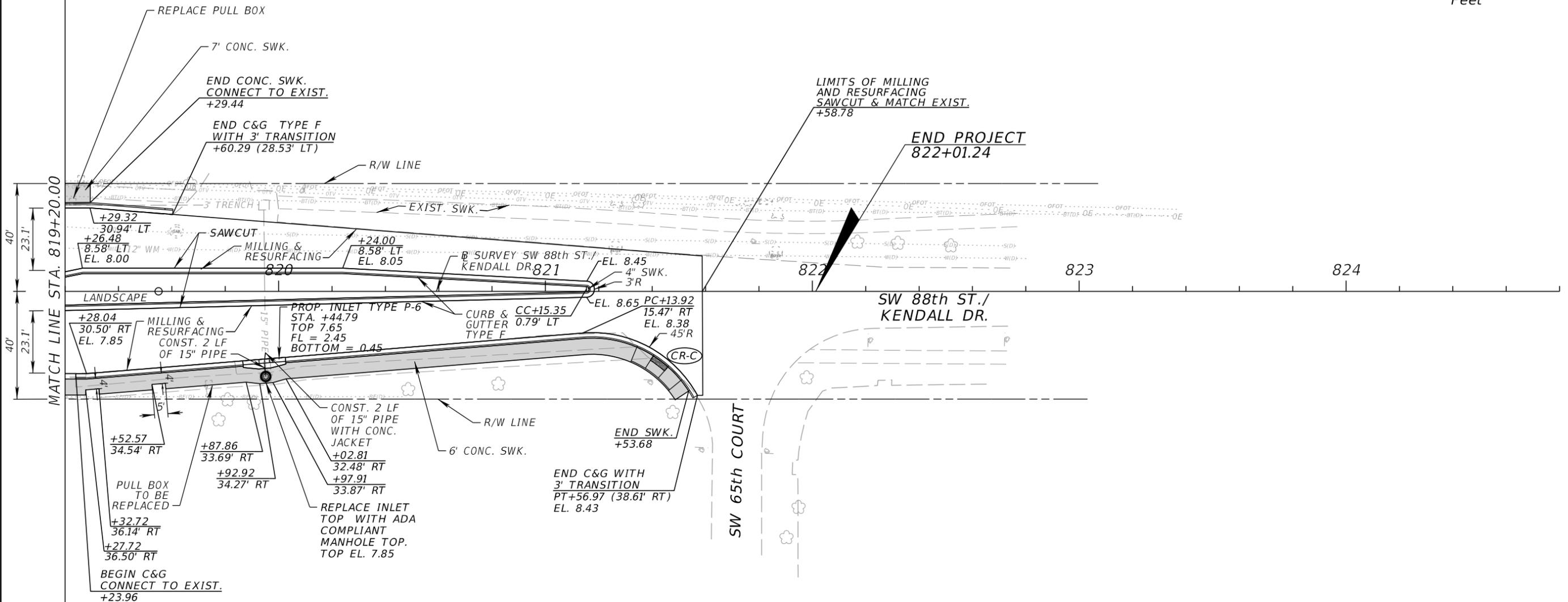
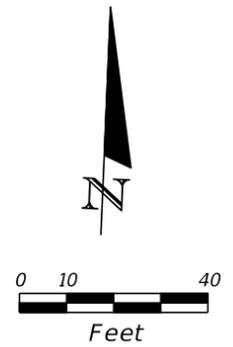
ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
Doral, Florida 33178
Tel. (305) 640-1345 Fax (305) 640-1346

Engineer of Record: Raul E. Alessandri, P.E.
P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

ROADWAY PLAN

SHEET NO.
C-9



LEGEND
 PROPOSED CONC. SIDEWALK

SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
 Florida Certificate of Authorization # 7538
 10305 N.W. 41st Street, Suite 103
 Doral, Florida 33178
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 Engineer of Record: Raul E. Alessandri, P.E.
 P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

ROADWAY PLAN
SHEET NO. C-10

GENERAL NOTES:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHOLES THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS.
3. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING A REQUEST, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER TO THE COUNTY TRAFFIC AND SIGNS DIVISION, AND TO THE FDOT TRAFFIC OPERATIONS OFFICE WITH THE ELECTRONIC LANE CLOSURE FORM (WWW.FDOTLCS.COM).
4. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
5. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
6. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON-PEAK HOURS ARE:
9:00 AM TO 3:30 PM - WEEKDAYS (AND SATURDAYS IF APPROVED BY THE VILLAGE).
7. TRAFFIC CONTROL PLANS FOR ALL PHASES ARE DESIGNED FOR NON-PEAK HOURS ONLY. THE CONTRACTOR SHALL KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS IN THESE PHASES.
8. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 35 M.P.H.
9. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE.
10. CONTRACTOR SHALL REMOVE, RELOCATE OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION.
11. THE CONTRACTOR SHALL NOT PROPOSE AN ALTERNATIVE TRAFFIC CONTROL PLAN THAT REDUCES THE NUMBER OF TRAVEL LANES SHOWN ON THE CONTRACT TRAFFIC CONTROL PLANS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER.

DROP OFFS:

13. FOR DROP OFFS, THE CONTRACTOR'S ATTENTION IS DIRECTED TO FDOT STANDARD INDEX NO. 600, SHEET 9 OF 12. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.

MARKINGS:

14. COST OF REMOVAL OF WORK ZONE PAVEMENT MARKINGS (INCLUDING PAINT, REMOVABLE TAPE AND MARKERS), REGARDLESS OF METHOD, TO BE INCLUDED IN THE RELATED PAVEMENT MARKING/MARKERS PAY ITEMS. COST OF REMOVAL OF PAVEMENT MARKINGS AND MARKERS, EXISTING PRIOR TO CONSTRUCTION, TO BE INCLUDED IN MAINTENANCE OF TRAFFIC, LS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS.
15. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT ON TANGENT BEYOND EACH END OF THE TRANSITION, SHIFT, OR CROSSOVER. EXCEPTION SHALL BE THROUGH INTERSECTIONS WHERE 2-4 FT SKIP LINES WILL BE PLACED.
16. ALL TEMPORARY STRIPES AND MARKINGS SHALL BE PAINT ONLY, UNLESS OTHERWISE SPECIFIED ON THE PLANS OR APPROVED BY THE ENGINEER.
17. TEMPORARY RAISED PAVEMENT MARKERS (RPMS) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSSOVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMS SHALL BE 40 FT ON CENTERS FOR TANGENT SECTIONS AND 5 FT FOR TRANSITIONS, CURVES, AND CROSSOVERS. THE RPMS SHALL EXTEND 100 FT ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS.

SIGNALS:

18. CONTRACTOR SHALL NOTIFY MIAMI DADE COUNTY SIGNS AND SIGNALS DIVISION LOCATED AT 7100 N.W. 36TH STREET MIAMI, FLORIDA 33166 AND PHONE NO. (305)592-3470, 48 HOURS PRIOR TO ANY MODIFICATION OF AN EXISTING TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF TEMPORARY SIGNALIZATION, FOR MAINTENANCE OF THE EXISTING AND/OR TEMPORARY TRAFFIC SIGNAL(S) WITHIN THE PROJECT LIMITS.
19. THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATION OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT OR PHONE LINE DURING CONSTRUCTION. CONTRACTORS SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS IF NECESSARY.

WORK ZONE LIMITS:

20. THE LENGTH OF AN OPEN TRENCH SHALL NOT EXCEED 500 FT. PROPERTY ACCESS SHALL BE MAINTAINED IN ACCORDANCE TO ARTICLE 102-5.5 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

INTERSECTIONS:

21. ADJACENT INTERSECTIONS SHALL NOT BE CONSTRUCTED SIMULTANEOUSLY UNLESS DIRECTED BY THE ENGINEER.
22. M.O.T. TRANSITIONS AND TEMPORARY INTERSECTION CROSSOVERS WHERE CONSTRUCTION HAS CAUSED GRADE DIFFERENCES BETWEEN THE EXISTING AND NEW ROADWAYS SHALL BE CONSTRUCTED USING A 1:20 TYPE SP ASPHALT CONCRETE SLOPE TO ACCOMMODATE VEHICULAR TRAFFIC FROM ANY DIRECTION.

PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:

23. AT THE END OF EACH WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP OFF GREATER THAN 6 IN ADJACENT TO THE PEDESTRIAN, BICYCLE, AND WHEELCHAIR TRAVEL PATHS SHALL BE BACKFILLED FLUSH WITH THE SAID PATHS OR PROTECTED WITH TEMPORARY FENCE, CONCRETE BARRIER WALL OR APPROVED HANDRAIL.
24. CONSTRUCTION ACTIVITIES THAT INVOLVE SIDEWALKS ON BOTH SIDES OF THE STREET ARE NOT ALLOWED UNLESS APPROVED BY THE ENGINEER.

CONSTRUCTION SEQUENCE:

PHASE I - DRAINAGE AND SIDEWALK CONSTRUCTION

1. MAINTAIN TRAFFIC ON AT LEAST ONE LANE IN EACH DIRECTION IN ACCORDANCE WITH FDOT STANDARDS 612, 613 AND 616 AND CLOSE THE OUTSIDE LANE. MAINTAIN PEDESTRIAN TRAFFIC IN ACCORDANCE WITH FDOT STANDARD 660.
2. CONSTRUCT DRAINAGE MODIFICATIONS PER PLANS.
3. CONSTRUCT SIDEWALK, CURB RAMPS, DRIVEWAYS AND CURB AND GUTTER AS SHOWN IN THE PLANS.

PHASE II - MEDIAN MODIFICATIONS AND CROSSWALK CONSTRUCTION

1. MAINTAIN TRAFFIC ON AT LEAST ONE LANE IN EACH DIRECTION IN ACCORDANCE WITH FDOT STANDARDS 612, 613 AND 616.
2. CONSTRUCT DECORATIVE PAVER CROSSWALKS.
3. RECONSTRUCT EXISTING MEDIANS AND TRAFFIC SEPARATORS AND CONSTRUCT NEW RAISED MEDIAN AS SHOWN IN PLANS.
4. INSTALL SLEEVES AND PIPING FOR IRRIGATION, AND CONDUIT FOR MEDIAN LIGHTING.

PHASE III - MILLING AND RESURFACING

1. MAINTAIN TRAFFIC ON ONE LANE IN EACH DIRECTION IN ACCORDANCE WITH FDOT STANDARDS 613 AND 616.
2. MILL AND RESURFACE EXISTING PAVEMENT AS SHOWN IN THE PLANS.

PHASE IV - LANDSCAPING

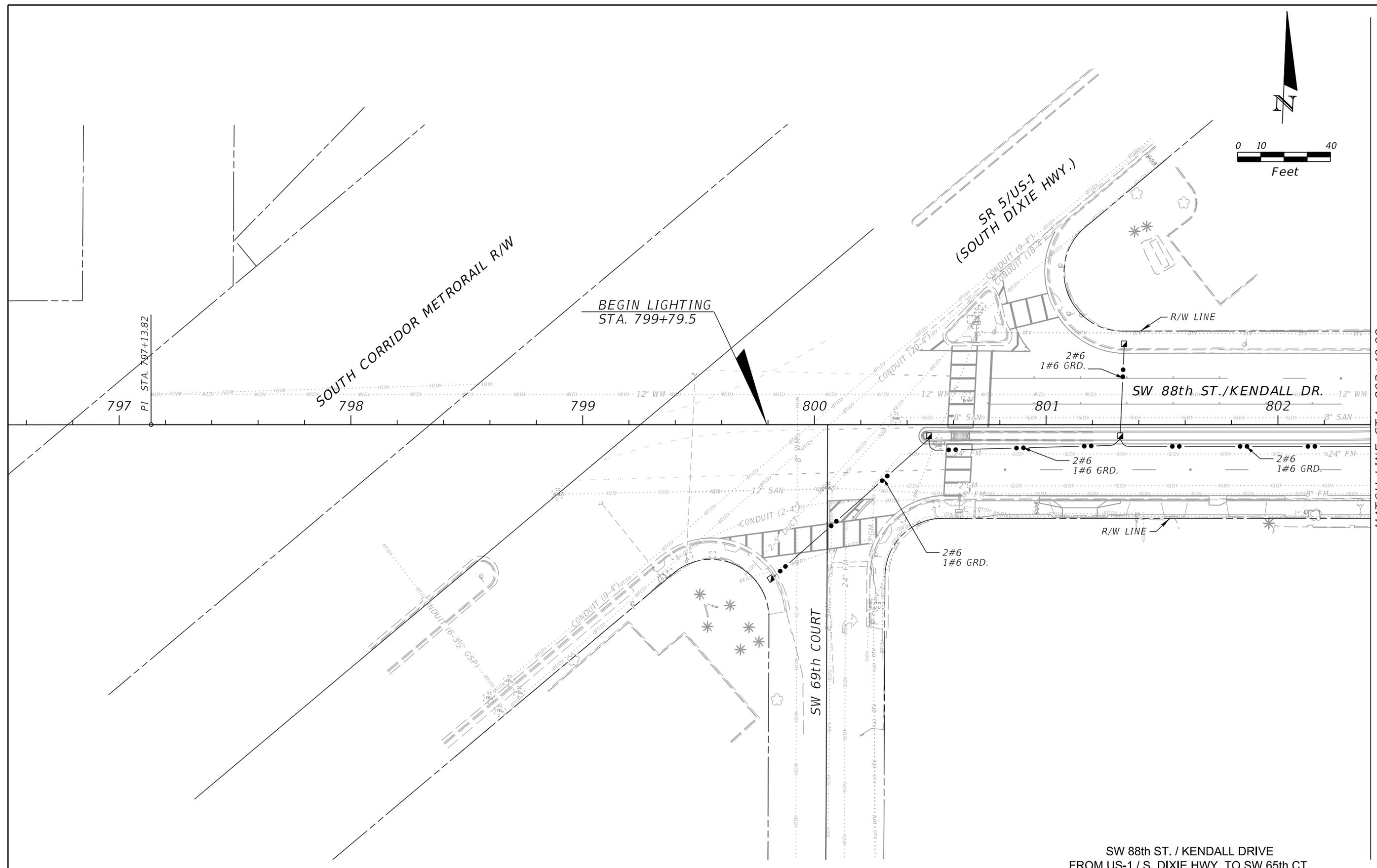
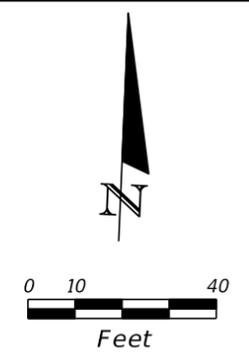
1. MAINTAIN TRAFFIC ON AT LEAST ONE LANE IN EACH DIRECTION IN ACCORDANCE WITH FDOT STANDARDS 612, 613 AND 616.
2. INSTALL LANDSCAPING, IRRIGATION AND DECORATIVE LIGHTING.

PHASE V - PAVEMENT MARKING

1. MAINTAIN TRAFFIC ON AT LEAST ONE LANE IN EACH DIRECTION IN ACCORDANCE WITH FDOT STANDARDS 612, 613 AND 616.
2. INSTALL SIGNING AND PAVEMENT MARKINGS.

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. TRAFFIC CONTROL PLAN C-11
DATE	BY	DESCRIPTION	DATE	COUNTY	DATE					
				MIAMI-DADE	OCTOBER 3, 2016					



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

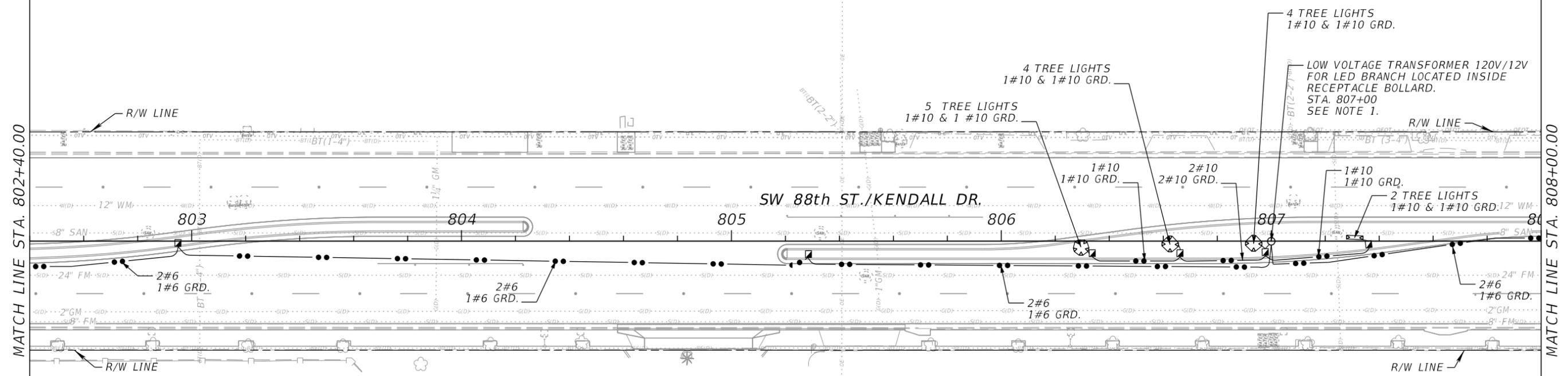
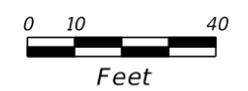
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
Doral, Florida 33178
Tel. (305) 640-1345 Fax (305) 640-1346

Engineer of Record: Raul E. Alessandri, P.E.
P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

LIGHTING PLAN
C-12



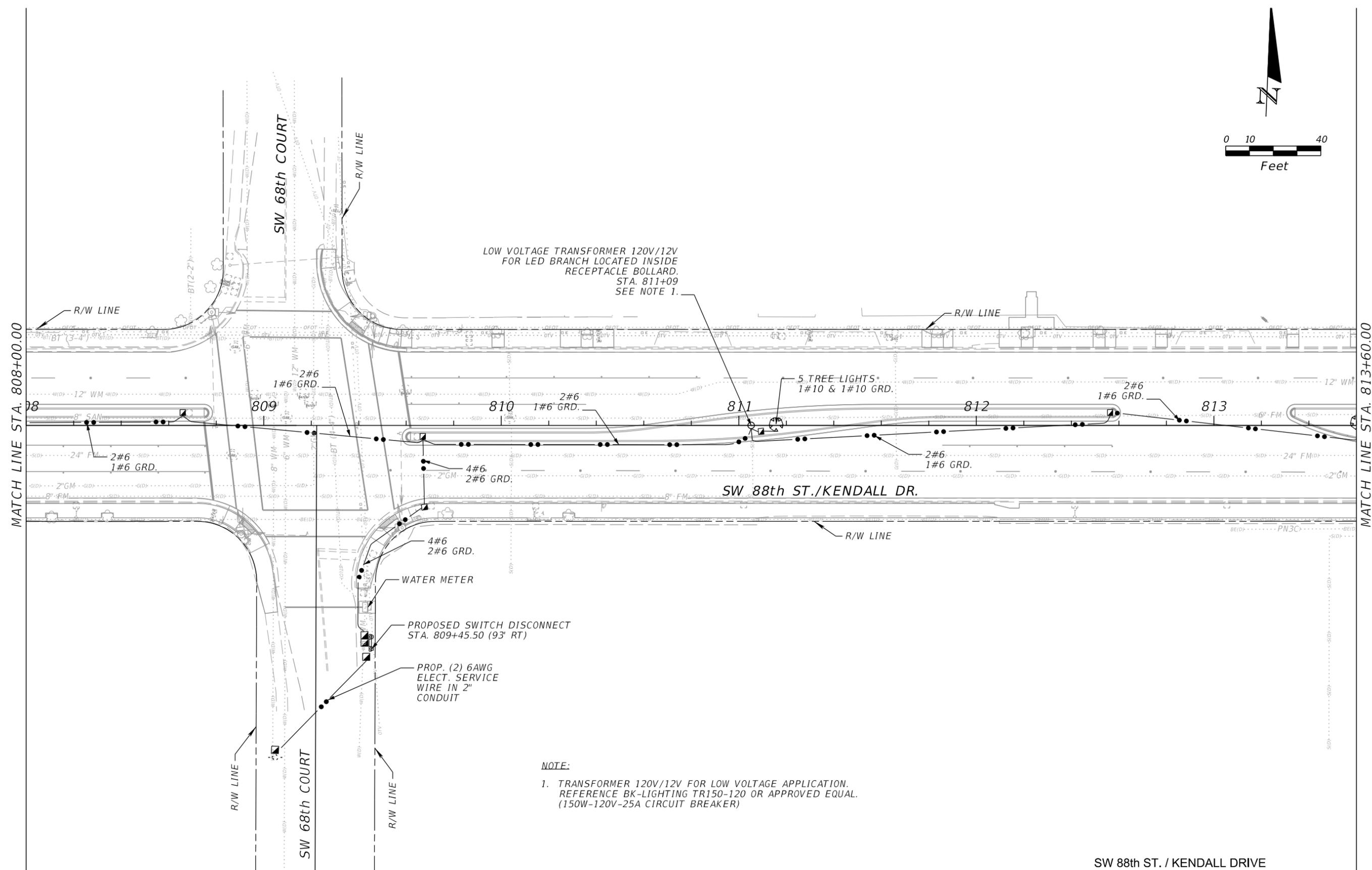
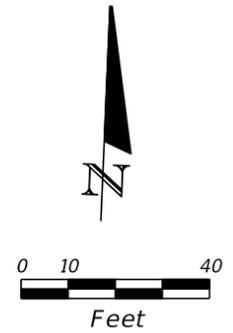
NOTE:

1. TRANSFORMER 120V/12V FOR LOW VOLTAGE APPLICATION. REFERENCE BK-LIGHTING TR150-120 OR APPROVED EQUAL. (150W-120V-25A CIRCUIT BREAKER)

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. C-13
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	

LIGHTING PLAN



LOW VOLTAGE TRANSFORMER 120V/12V
FOR LED BRANCH LOCATED INSIDE
RECEPTACLE BOLLARD.
STA. 811+09
SEE NOTE 1.

5 TREE LIGHTS
1#10 & 1#10 GRD.

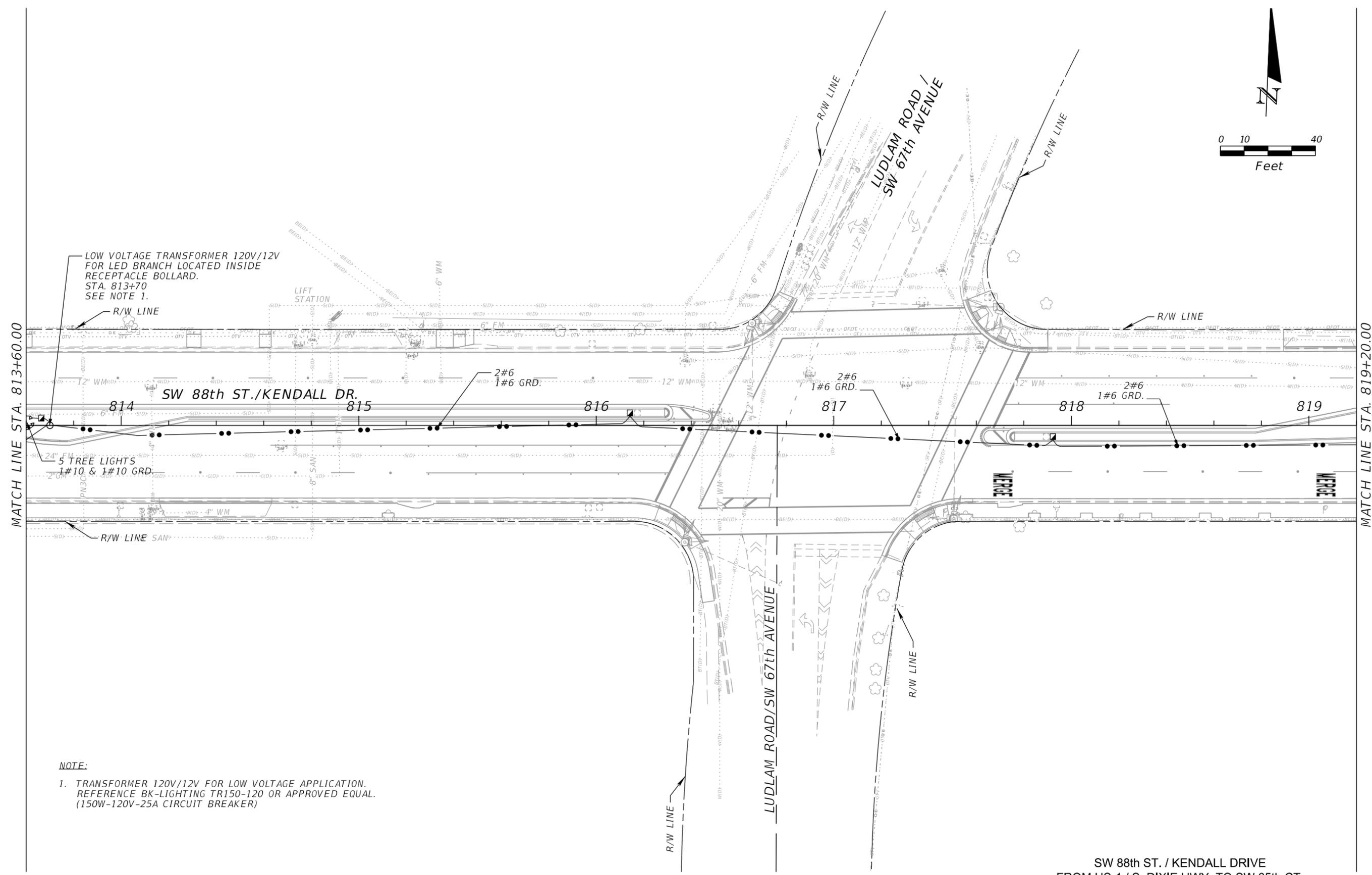
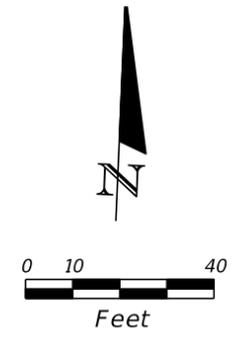
PROPOSED SWITCH DISCONNECT
STA. 809+45.50 (93' RT)

PROP. (2) 6AWG
ELECT. SERVICE
WIRE IN 2"
CONDUIT

NOTE:
1. TRANSFORMER 120V/12V FOR LOW VOLTAGE APPLICATION.
REFERENCE BK-LIGHTING TR150-120 OR APPROVED EQUAL.
(150W-120V-25A CIRCUIT BREAKER)

SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. LIGHTING PLAN C-14
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	



LOW VOLTAGE TRANSFORMER 120V/12V FOR LED BRANCH LOCATED INSIDE RECEPTACLE BOLLARD. STA. 813+70 SEE NOTE 1.

LIFT STATION

5 TREE LIGHTS 1#10 & 1#10 GRD.

SW 88th ST./KENDALL DR.

2#6 1#6 GRD.

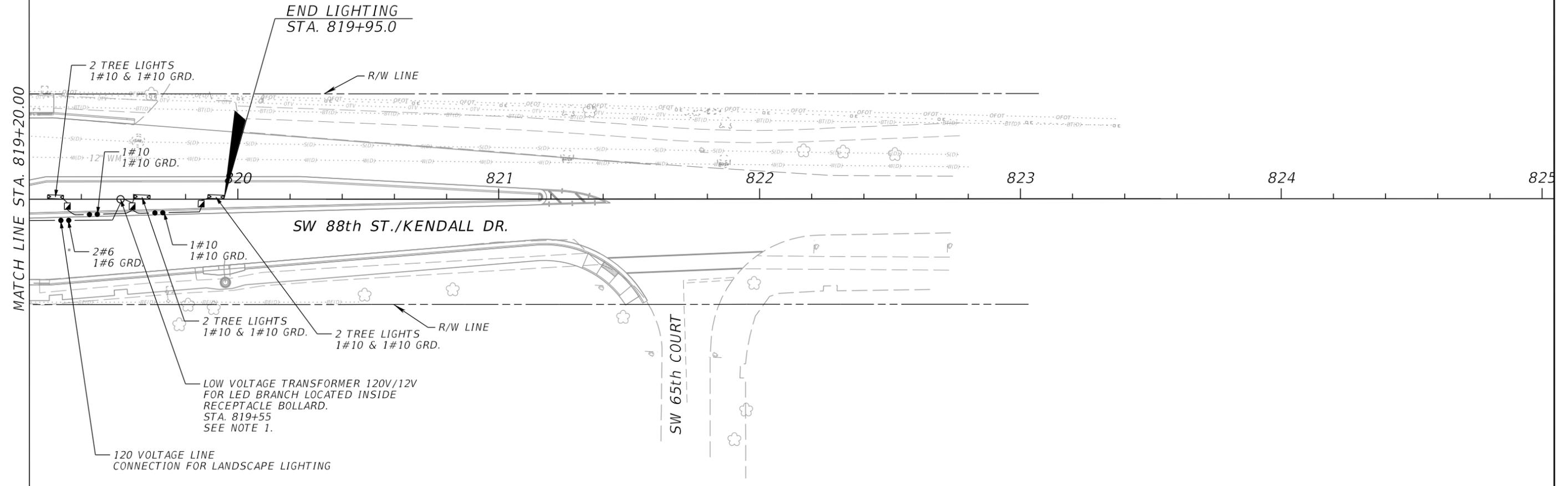
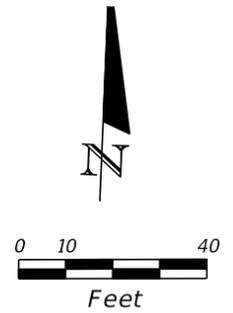
2#6 1#6 GRD.

2#6 1#6 GRD.

NOTE:
1. TRANSFORMER 120V/12V FOR LOW VOLTAGE APPLICATION. REFERENCE BK-LIGHTING TR150-120 OR APPROVED EQUAL. (150W-120V-25A CIRCUIT BREAKER)

SW 88th ST. / KENDALL DRIVE FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			<i>LIGHTING PLAN</i>	SHEET NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE		C-15
							2016-012	MIAMI-DADE	OCTOBER 3, 2016		



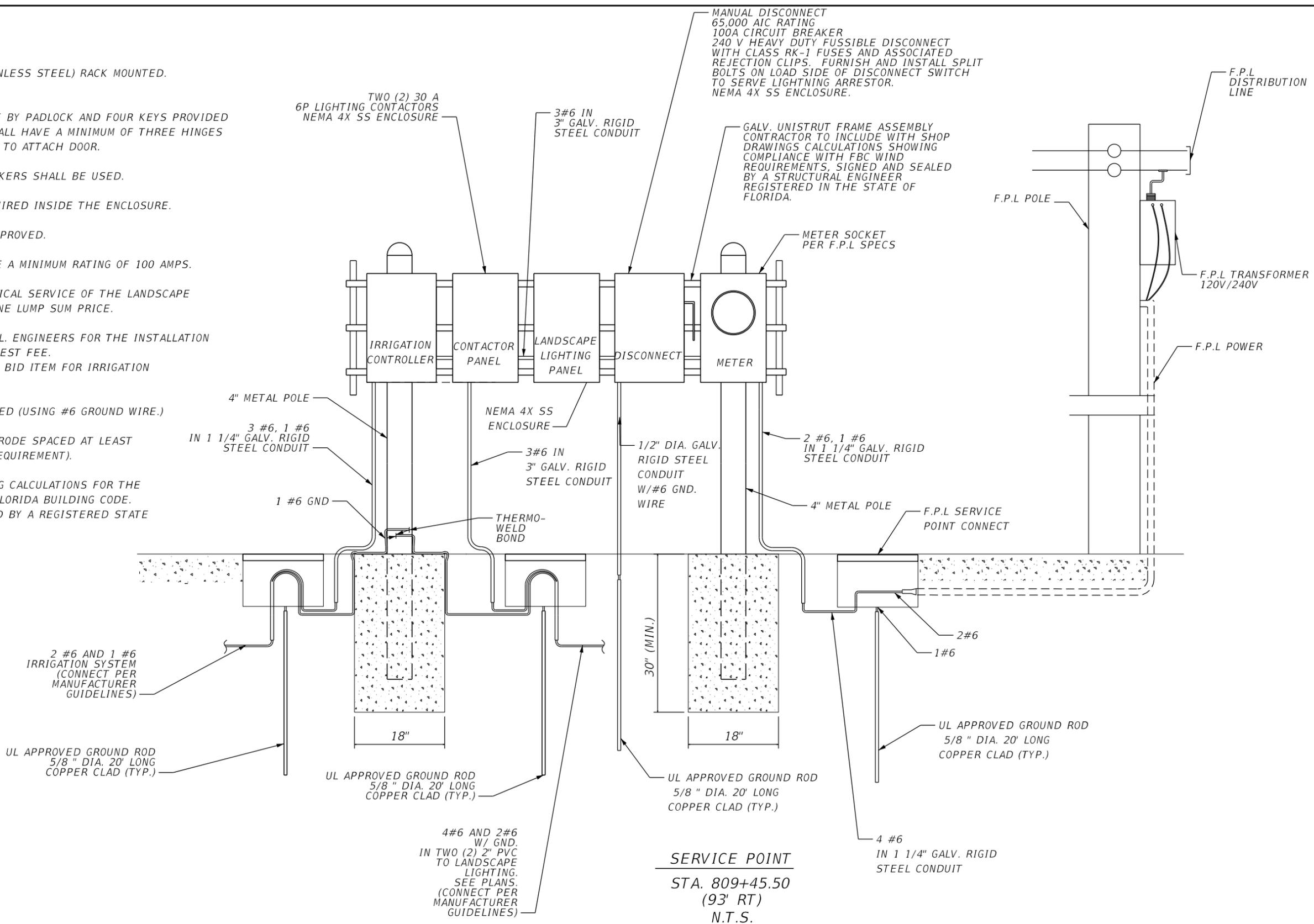
NOTE:
 1. TRANSFORMER 120V/12V FOR LOW VOLTAGE APPLICATION. REFERENCE BK-LIGHTING TR150-120 OR APPROVED EQUAL. (150W-120V-25A CIRCUIT BREAKER)

SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			LIGHTING PLAN SHEET NO. C-16
DATE	BY	DESCRIPTION	DATE	COUNTY	DATE					
				MIAMI-DADE	OCTOBER 3, 2016					

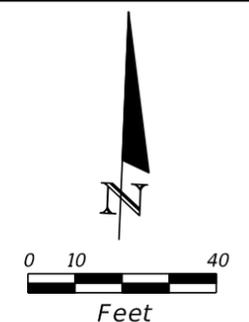
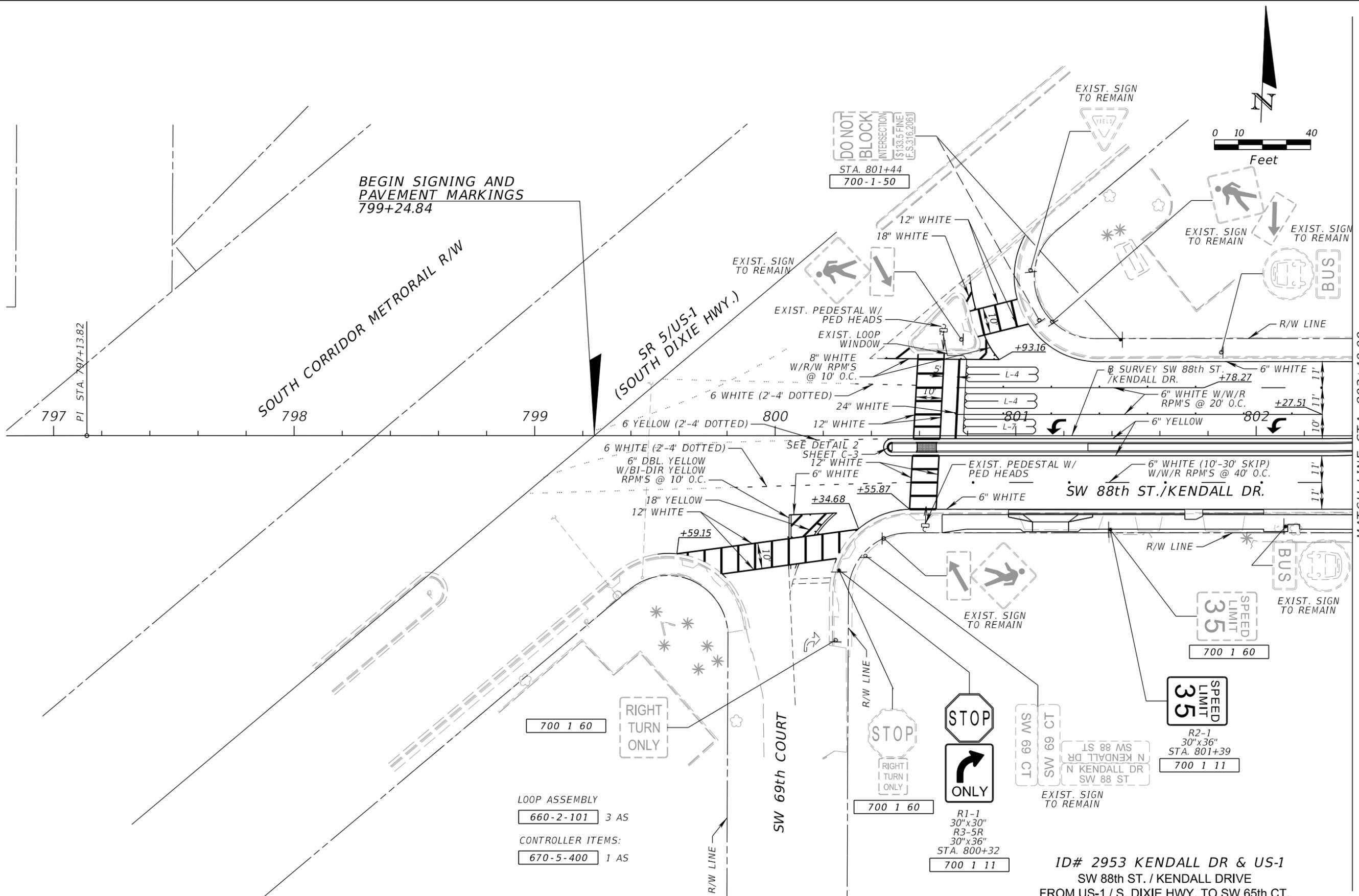
NOTES:

1. THE ENCLOSURE SHALL BE NEMA 4X (STAINLESS STEEL) RACK MOUNTED. RIGIDLY ATTACHED TO THE RACK SUPPORT.
2. THE ENCLOSURE DOOR SHALL BE LOCKABLE BY PADLOCK AND FOUR KEYS PROVIDED TO THE MAINTAINING AGENCY. THE DOOR SHALL HAVE A MINIMUM OF THREE HINGES AND BE LATCHABLE. NO SCREWS TO BE USED TO ATTACH DOOR.
3. 240V MINIMUM RATING BOLT IN TYPE BREAKERS SHALL BE USED.
4. A 600V LIGHTNING PROTECTOR SHALL BE WIRED INSIDE THE ENCLOSURE.
5. ALL SERVICE EQUIPMENT SHALL BE U.L. APPROVED.
6. BUS BAR TO BE COPPER COATED AND HAVE A MINIMUM RATING OF 100 AMPS.
7. ALL COSTS ASSOCIATED WITH THE ELECTRICAL SERVICE OF THE LANDSCAPE LIGHTING SYSTEM SHALL BE INCLUDED IN ONE LUMP SUM PRICE.
8. CONTRACTOR SHALL COORDINATE WITH F.P.L. ENGINEERS FOR THE INSTALLATION OF THE F.P.L. RISER AND THE SERVICE REQUEST FEE. (THIS FEE SHALL BE INCLUDED IN LUMP SUM BID ITEM FOR IRRIGATION SERVICE POINT.)
9. ALL GROUND ROD SHALL BE INTERCONNECTED (USING #6 GROUND WIRE.)
10. PROVIDE SUPPLEMENTARY GROUND ELECTRODE SPACED AT LEAST 6' (AS PER N.E.C. AND MIAMI-DADE COUNTY REQUIREMENT).
11. CONTRACTOR SHALL SUBMIT WIND LOADING CALCULATIONS FOR THE SERVICE RACKS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. CALCULATIONS SHALL BE SIGNED AND SEALED BY A REGISTERED STATE OF FLORIDA STRUCTURAL ENGINEER.



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SHEET NO. LIGHTING DETAILS C-17
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE	
							2016-012	MIAMI-DADE	OCTOBER 3, 2016	



BEGIN SIGNING AND PAVEMENT MARKINGS
799+24.84

SOUTH CORRIDOR METRORAIL R/W

SR 5/US-1
(SOUTH DIXIE HWY.)

SW 88th ST./KENDALL DR.

SW 69th COURT

MATCH LINE STA. 802+40.00

LOOP ASSEMBLY
660-2-101 3 AS
CONTROLLER ITEMS:
670-5-400 1 AS

ID# 2953 KENDALL DR & US-1
SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

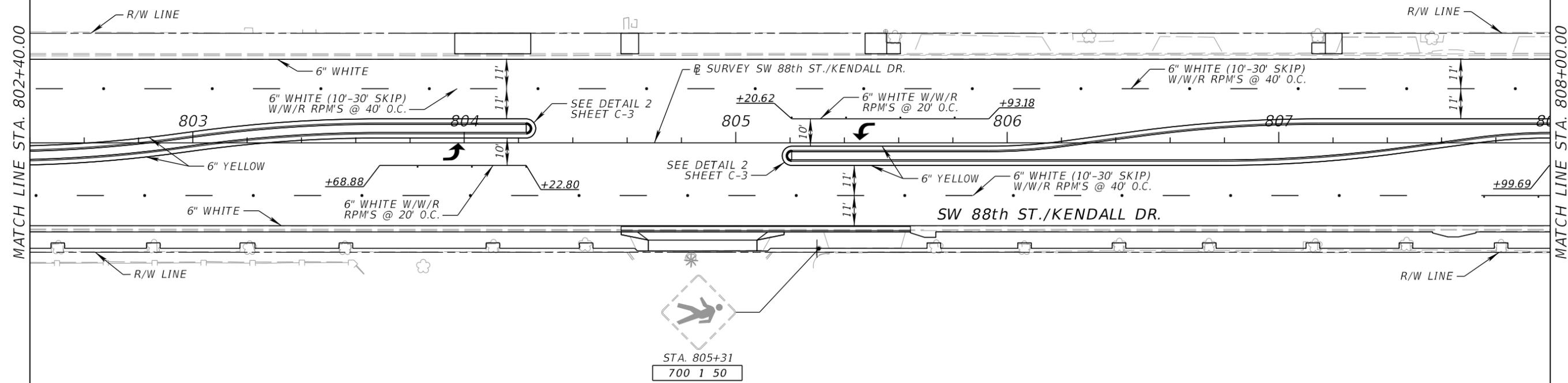
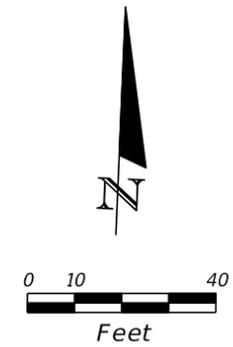
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
Doral, Florida 33178
Tel. (305) 640-1345 Fax (305) 640-1346
Engineer of Record: Raul E. Alessandri, P.E.
P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

**SIGNING AND PAVEMENT
MARKINGS PLAN**

SHEET NO.
C-18



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

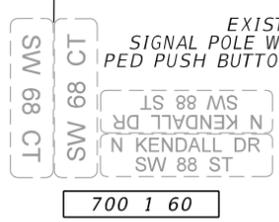
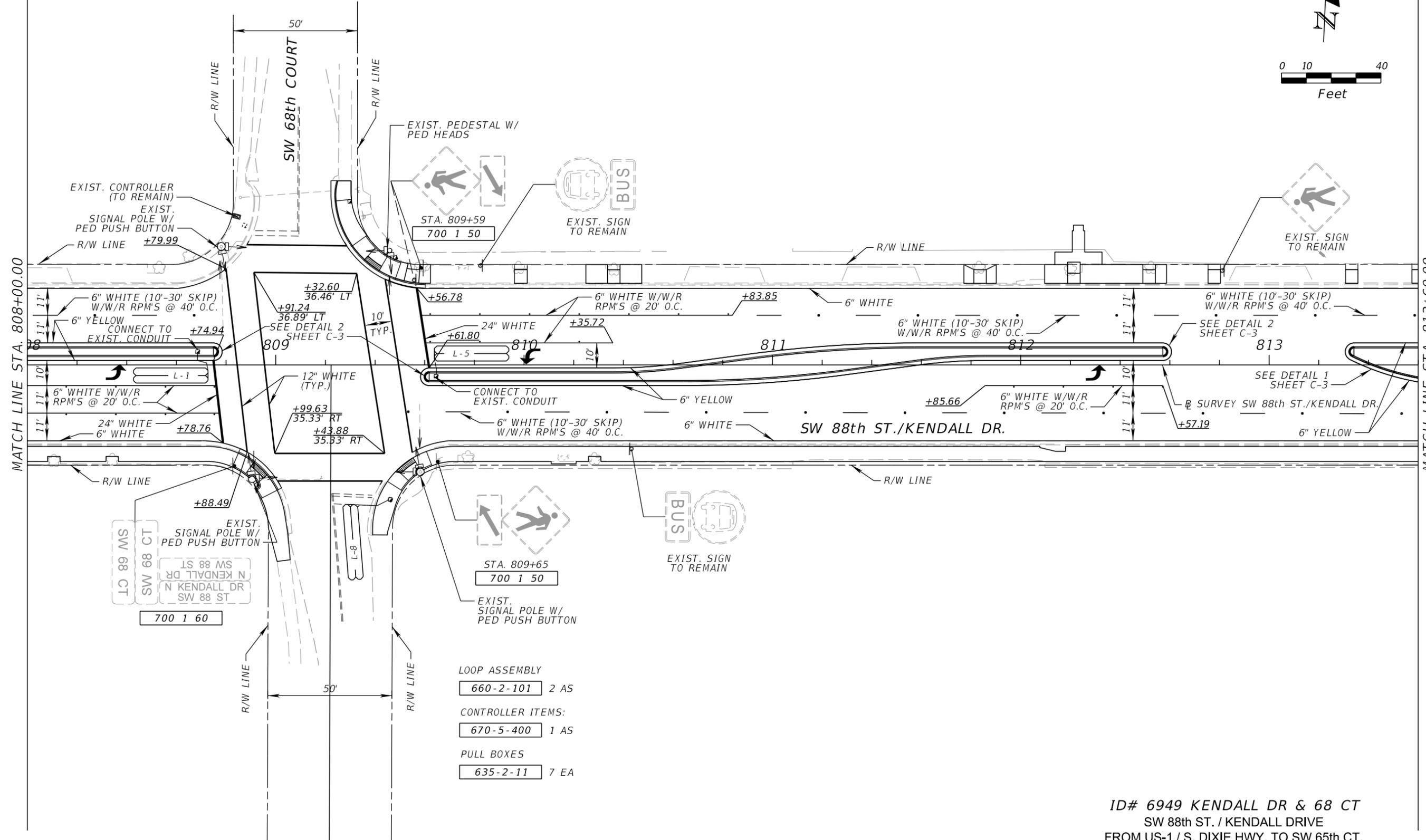
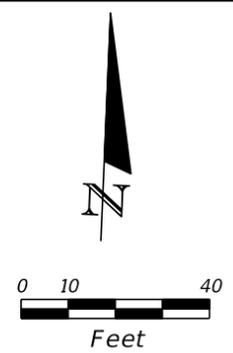
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
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10305 N.W. 41st Street, Suite 103
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P.E. No. 75506

VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

**SIGNING AND PAVEMENT
MARKINGS PLAN**

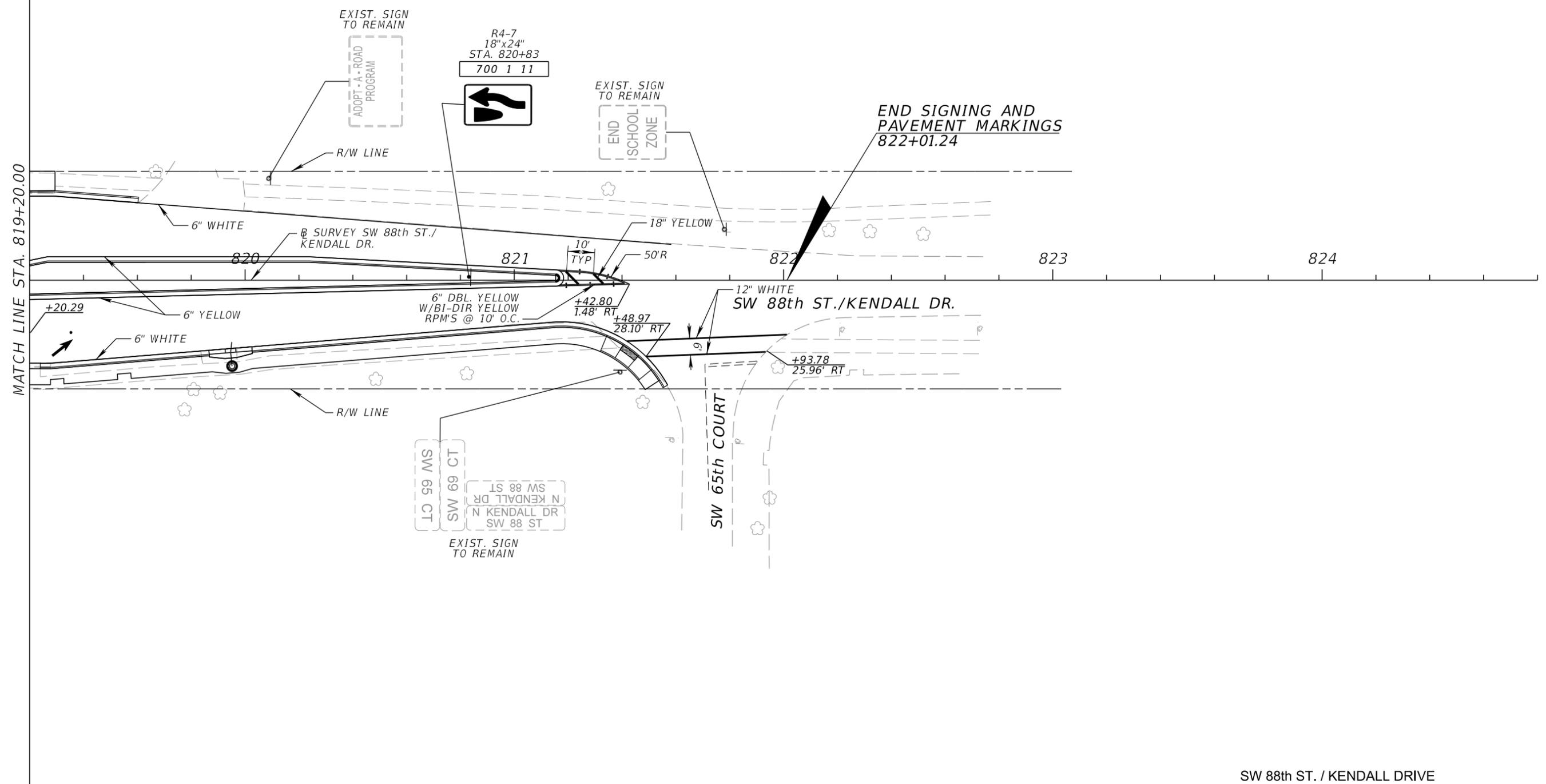
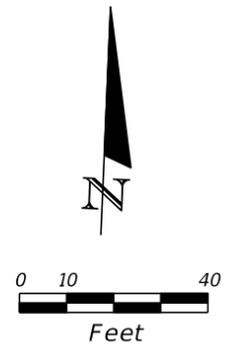
SHEET NO.
C-19



- LOOP ASSEMBLY
 660-2-101 2 AS
- CONTROLLER ITEMS:
 670-5-400 1 AS
- PULL BOXES
 635-2-11 7 EA

ID# 6949 KENDALL DR & 68 CT
 SW 88th ST. / KENDALL DRIVE
 FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS						ALVAREZ ENGINEERS, INC. Florida Certificate of Authorization # 7538 10305 N.W. 41st Street, Suite 103 Doral, Florida 33178 Tel. (305) 640-1345 Fax (305) 640-1346 Engineer of Record: Raul E. Alessandri, P.E. P.E. No. 75506	VILLAGE OF PINECREST FLORIDA			SIGNING AND PAVEMENT MARKINGS PLAN	SHEET NO. C-20
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PROJECT NO.	COUNTY	DATE		
							2016-012	MIAMI-DADE	OCTOBER 3, 2016		



SW 88th ST. / KENDALL DRIVE
FROM US-1 / S. DIXIE HWY. TO SW 65th CT.

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ALVAREZ ENGINEERS, INC.
Florida Certificate of Authorization # 7538
10305 N.W. 41st Street, Suite 103
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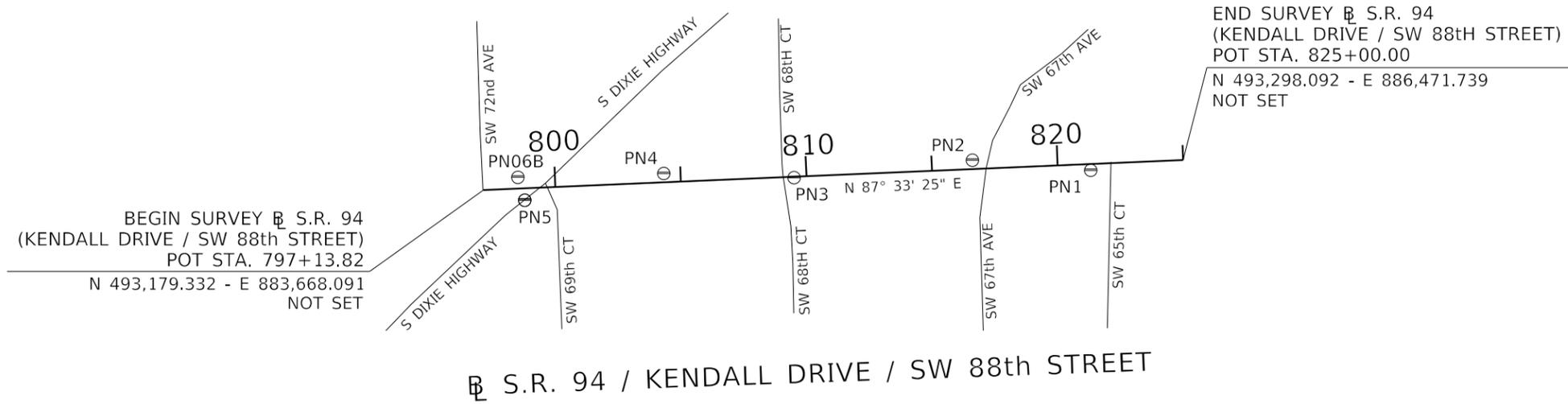
VILLAGE OF PINECREST FLORIDA		
PROJECT NO.	COUNTY	DATE
2016-012	MIAMI-DADE	OCTOBER 3, 2016

**SIGNING AND PAVEMENT
MARKINGS PLAN**

SHEET NO.
C-22

SPECIFIC PURPOSE SURVEY

S.R. 94 / KENDALL DRIVE / SW 88th STREET FROM STA. 797+13.82 TO STA. 825+00.00



NOT TO SCALE

PRIMARY NETWORK CONTROL

POINT NAME	(Y) NORTHING	(X) EASTING	SCALE FACTOR	LATITUDE	LONGITUDE	BASELINE STATION	OFFSET	(Z) ELEVATION	DESCRIPTION
PN06B	493,229.788	883,825.094	1.00000061	25°41'20.16350"	80°18'31.29054"	798+52.86	44.57' LT.	11.73'	FOUND BRASS DISK IN CONCRETE STAMPED "GPS SR94 87 14 PN06B"
PN5	493,138.792	883,852.386	1.00000062	25°41'19.26082"	80°18'30.99740"	798+86.25	47.51' RT.	11.46'	SET PK NAIL & WASHER IN CONCRETE STAMPED "PN5"
PN4	493,244.710	884,405.520	1.00000091	25°41'20.28096"	80°18'24.94516"	804+33.38	34.72' LT.	11.63'	SET PK NAIL & WASHER IN CONCRETE STAMPED "PN4"
PN3	493,228.176	884,923.757	1.00000118	25°41'20.09025"	80°18'19.28120"	809+50.44	3.89' RT.	11.45'	SET PK NAIL & WASHER IN CONCRETE STAMPED "PN3"
PN2	493,297.521	885,633.409	1.00000156	25°41'20.74008"	80°18'11.51991"	816+62.40	35.14' LT.	7.97'	SET PK NAIL & WASHER IN CONCRETE STAMPED "PN2"
PN1	493,257.374	886,104.124	1.00000181	25°41'20.31807"	80°18'06.37672"	821+30.98	25.01' RT.	8.28'	SET PK NAIL & WASHER IN CONCRETE STAMPED "PN1"

SURVEYORS NOTES:

1. BEARINGS AND COORDINATES ARE RELATIVE TO THE STATE PLANE COORDINATES, FLORIDA EAST ZONE, NORTH AMERICAN DATUM (NAD) OF 1983 (ADJUSTMENT OF 1990)
-A BEARING OF N 88°31'46" E HAS BEEN ESTABLISHED BETWEEN MONUMENTS
PN6 STAMPED "GPS SR94 87 14 PN06B" & PN4 STAMPED "PN4"
2. VERTICAL DATUM : NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)
3. PROJECT UNITS : US FEET
4. FIELD BOOK REFERENCES : MG V 857 SERIES.
5. ELECTRONIC DATABASE : CAICE: "15538.ZIP"

LEGEND

- ⊕ : BASELINE
- E : EAST
- FND : FOUND
- LT. : LEFT
- OFF. : OFFSET
- N : NORTH
- POT : POINT ON TANGENT
- RT. : RIGHT
- S.R. : STATE ROAD
- STA. : STATION
- ⊙ : PNC POINT

LIMITS FROM: S.R.5 / U.S. 1 / SOUTH DIXIE HIGHWAY TO SW 65th COURT

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THIS SPECIFIC PURPOSE SURVEY WAS MADE FOR THE PURPOSE OF SURVEYING, REFERENCING, DESCRIBING AND MAPPING THE PRIMARY NETWORK CONTROL OR BASELINE FOR THE TRANSPORTATION FACILITY DEPICTED HEREON AND THAT SAID SURVEY WAS DONE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5 J 17 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. THIS MAP CONSISTING OF SHEET CTL-1 IS A TRUE, ACCURATE AND COMPLETE DEPICTION OF THE RESULTS OF A FIELD SURVEY PERFORMED UNDER MY DIRECTION AND COMPLETED ON 05-14-2015

SURVEYOR : MANUEL G. VERA, JR. PLS NUMBER : 5291

REVISIONS				MANUEL G. VERA & ASSOCIATES, INC. <small>ENGINEERS SURVEYORS MAPPERS</small> 13960 S.W. 47th STREET MIAMI, FL 33175-3616 TEL: (305) 221-6210 FAX: (305) 221-1295 CERTIFICATE OF AUTHORIZATION: LB2439 MANUEL G. VERA, JR. PSM 5291	ROAD NO. COUNTY FINANCIAL PROJECT ID			PROJECT NETWORK CONTROL	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		94	MIAMI-DADE	N/A		CTL-1