STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

INDEX OF LANDSCAPE PLANS

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IRRIGATION PLAN SHEETS

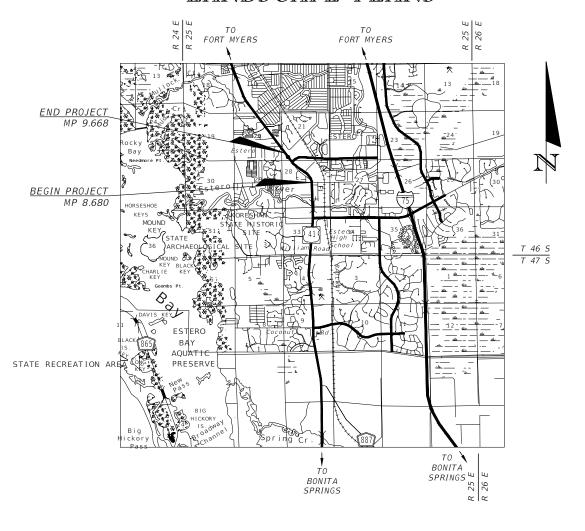
LD-11 TEMPORARY TRAFFIC CONTROL PLAN

SQ-1 TO SQ-2 SUMMARY OF QUANTITIES

FINANCIAL PROJECT ID 446968-1-74-01 *LEE COUNTY (12010)*

US41 (SR45) FROM BROADWAY EAST TO VINTAGE PARKWAY

LANDS CAPE PLANS



LOCATION OF PROJECT

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

Kimley » Horn

LANDSCAPE PLANS PROFESSIONAL OF RECORD.

EDWARD M. DEAN, P.L.A. P.L.A. NO.: 6667269 KIMLEY-HORN AND ASSOCIATES 1777 MAIN STREET, SUITE 200 SARASOTA, FLORIDA 34236 PHONE NO.: 941-379-7600 CONTRACT NO .: VENDOR NO.: F560885615-001 CERTIFICATE OF AUTHORIZATION NO.: 00000696

VILLAGE OF ESTERO PROJECT MANAGER:

DAVID WILLEMS, P.E.

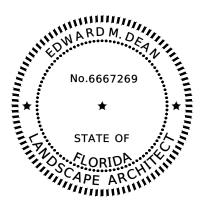
CONSTRUCTION	FISCAL	SHEET
CONTRACT NO.	YEAR	NO.
TBD	21	LD-1

NOTE: DESIGN SPEED WITHIN PROJECT LIMITS IS 50 M.P.H. http://www.fdot.gov/design/Standardplans.shtm

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2020-21 Standard plans for Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available at the following website:



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

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

EDWARD M. DEAN, P.L.A., NO.: 6667269 KIMLEY-HORN AND ASSOCIATES, INC. CERTIFICATE OF AUTHORIZATION NO. 00000696 VENDOR NO. F560885615-001 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236

THE ABOVE NAMED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

SHEET NO.	SHEET DESCRIPTION
LD-1	KEY SHEET
LD-2	SIGNATURE SHEET
LD-3	TABULATION OF QUANTITIES
LD-4	GENERAL NOTES
LD-5	LANDSCAPE PLAN SHEET
LD-6	LANDSCAPE TECHNICAL MAINTENANCE PLAN
LD-7	IRRIGATION TABULATION OF QUANTITIES
LD-8	IRRIGATION PLAN SHEET
LD-9 - LD-10	IRRIGATION DETAILS
LD-11	TEMPORARY TRAFFIC CONTROL PLAN
SQ-1	SUMMARY OF QUANTITIES (1)
SQ-2	SUMMARY OF QUANTITIES (2)

R E V I S I O N S						
DATE	DESCRIPTION	DATE	DESCRIPTION	EDWARD I		
				KIMLEY-H		
				1777 MAII		
				SARASOT A		
				CERTIFIC		

VARD M. DEAN, PLA A. LICENSE NUMBER 6667269 LEY-HORN AND ASSOCIATES	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION					
7 MAIN STREET. SUITE 200	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
ASOTA, FL 34236 TIFICATE OF AUTHORIZATION 00000696	SR 45	LEE	446968-1-74-01			

SIGNATURE SHEET

SHEET NO.

LD-2

Dean, Ed

	TABULATION OF QUANTITIES / PLANT SCHEDULE														
PAY ITEM NO.	PAY SIZE	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	REMARKS	UNIT	SHEET NUMBERS TOTAL THIS LD-5 SHEET			GRAND TOTAL		
700.						3121				PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
580-1-1	SMALL	МС	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	1 GAL., 18" HT.	36" HT.	36" O.C.		EA	461		461		461	
580-1-1	SMALL	NF	NEOREGELIA 'FIREBALL'	FIREBALL BROMELIAD	1 GAL., 8" HT.	18" HT.	24" O.C.		EA	188		188		188	
580-1-1	SMALL	PN	PASPALUM NOTATUM	BAHIA GRASS	SOD		SOD		SF	1293		1293		1293	
580-1-2	LARGE	BN	BISMARCKIA NOBILIS 'SILVER'	SILVER BISMARCK PALM	20' OA, 10' CT MIN.		50' O.C.	HARDENED OFF	EA	6		6		6	
580-1-2	LARGE	CA	CRINUM AUGUSTUM 'QUEEN EMMA'	QUEEN EMMA CRINUM LILY	15 GAL., 36" HT., 36" SPR.	5' HT., 5' SPR.	60" O.C.		EA	6		6		6	
580-1-2	LARGE	IC	ILEX CASSINE	DAHOON HOLLY	45 GAL., 12' HT, 2.5" CAL	25' HT.	12' O.C.	FULL TO GROUND	EA	11		11		11	
580-1-2	LARGE	SP	SABAL PALMETTO	CABBAGE PALM	14' TO 18' CT (VARIED HT.)	N/A	SEE PLAN	REGENERATED, SLICK TRUNK	EA	4		4		4	
580-1-2	LARGE	SR	SERENOA REPENS 'CINEREA'	SILVER SAW PALMETTO	15 GAL., 24" HT., 24" SPR.	8' HT. MAX	48" O.C.		EA	19		19		19	
580-1-2	LARGE	ZP	ZAMIA PUMILA	COONTIE	7 GAL., 24" HT., 24" SPR.	36" HT.	30" O.C.		EA	97		97		97	

	REVIS	5 I O N S		EDWARD M. DEAN. PLA	STATE OF FLORIDA			
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269 KIMLEY-HORN AND ASSOCIATES DEPARTMENT OF TRANSPOR				
				1777 MAIN STREET, SUITE 200	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
		SARASOTA, FL 34236 CERTIFICATE OF AUTHORIZATION 00000696	SR 45	LEE	446968-1-74-01			

TABULATION OF QUANTITIES

SHEET NO.

LD-3

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AI

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

CENTURYLINK FT MYERS

CENTURYLINK NAPLES

2. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, Vh, AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.

3. UTILITY/AGENCY OWNERS:

BONITA SPRINGS UTILITIES, INC. ANDREW KOEBEL COMCAST LEONARD MAXWELL-NEWBOLD CROWN CASTLE FIBER FLORIDA POWER AND LIGHT--LEE DANNY HASKETT JOEL BRAY HOTWIRE COMMUNICATIONS WALTER DAVILA SUMMIT BROADBAND INC. MIKE REBER LEE COUNTY SIGNAL DEPARTMENT TOM WATTS IFF COUNTY IRRIGATION JOE SULAK LEE COUNTY UTILITIES TERRY KELLEY TECO PEOPLES GAS - FT MYERS JOAN DOMNING RESOURCE CONSERVATION SYSTEMS RYAN WILLOUGHBY

(239) 390-4820 (954) 447-8405 (786) 610-7073 (386) 586-6403 (954) 699-0900 (239) 325-4105 EXT. 261 (239) 964-7600 EXT. 4126 (239) 533-9400 (239) 479-8181 (813) 275-3783

TELEPHONE NUMBER

(239) 495-5805

(239) 336-2003

(239) 263-6234

DANNY.HĀSKETT@CROWNCASTLE.COM JOEL.BRAY@FPL.COM WALTER.SANCHO-DAVILA@HOTWIRECOMMUNICATION.COM MREBER@SUMMIT-BROADBAND.COM TWATTS@LEEGOV.COM JSULAK@LEEGOV.COM TKELLEY2@LEEGOV.COM REALESTATESERVICES@TECOENERGY.COM

LEONARD_MAXWELL-NEWBOLD@CABLE.COMCAST.COM

CRAIG.D.CLARK@CENTURYLINK.COM NOEL.SILANG@CENTURYLINK.COM

ANDY@BSU.US

4. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:

5. EXISTING SIGN POST LOCATIONS OUTSIDE OF MEDIANS / PLANTING AREAS HAVE NOT BEEN SHOWN IN THESE PLANS. ALL PRESENT TRAFFIC SIGNS AND DELINEATOR POSTS ARE TO REMAIN IN PLACE AND ARE NOT TO BE REMOVED NOR IMPACTED, INCLUDING TEMPORARILY, IN ANY WAY AS A RESULT OF THE CONSTRUCTION ACTIVITIES BY THE CONTRACTOR.

CRAIG CLARK

JIGS SILANG

- 6. THE TAMIAMI TRAIL CORRIDOR, KORESHAN STATE HISTORIC SITE, AND GREAT CALUSA BLUEWAY STATE PADDLING TRAILS ARE LOCATED ADJACENT TO THE PROJECT LIMITS. THESE ARE A SECTION 4(F) RESOURCE, REGULATED BY OEM. NO IMPROVEMENTS OR STAGING AREAS CAN BE LOCATED WITHIN THE LIMITS OF THESE LOCATIONS.
- 7. EXISTING DRAINAGE SWALES LOCATED ALONG ROADSIDE TO BE PROTECTED BY SILT FENCING AS SHOWN ON LANDSCAPE PLAN SHEETS.
- 8. ALL MULCH TO BE PINE STRAW.
- 9. PROVIDE 2' MULCH STRIP BETWEEN PAVEMENT AND EDGE OF PLANT SPACING FOR ALL SHRUBS AND ORNAMENTAL GRASSES TO PREVENT OVERGROWTH OVER PAVEMENT. PROVIDE 1' MULCH ACCESS STRIP BETWEEN PAVEMENT AND EDGE OF GROUNDCOVERS.
- 10. COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT AND OTHER WILDLIFE REGULATIONS OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL SHOULD BE ADHERED TO FOR WILDLIFE INVOLVEMENT DURING CONSTRUCTION. NOTIFY FDOT A MINIMUM OF 30 DAYS IN ADVANCE OF USING AN OFF-SITE AREA FOR ANCILLARY CONSTRUCTION NEEDS (E.G. STAGING)

ABBREVIATIONS

B&BBALLED AND BURLAPPED BARE ROOT

B.R. CAL. CALIPERCLEAR TRUNK

DIAMETER AT BREAST HEIGHT D.B.H.

FIFID GROWN F.G. F.T.G. FULL TO GROUND G.W. H.0. HARDENED OFF N.W.L. NORMAL WATER LEVEL SPREAD SPR. CLEAR TRUNK CT.

HEIGHT 0.A. 0.C. OVERALL HEIGHT ON CENTER

ROOTS PLUS GROWER R.P.G. GAL.GALLON

	REQUIRED LANDSCAPE SETBACKS									
<u>TYPE</u>	BACK OF GUARDRAIL ASPHALT PAD	RIGHT OF WAY / FENCE	<u>LIGHT</u> <u>POLES</u>	<u>ITS</u> <u>POLES</u>	DRAINAGE STRUCTURES	<u>UNDERGROUND</u> <u>UTILITIES</u>	<u>OVERHEAD UTILITIES</u>	BOTTOM OF SWALE		
TREE	15'-0"	15'-0"	25'-0"	30'-0"	15'-0"	15'-0"	25'-0"	8'-0"		
PALM	15'-0"	15'-0"	15'-0"	30'-0"	15'-0"	15'-0"	25'-0"	8'-0"		
SHRUBS	15'-0"	15'-0"	15'-0"	30'-0"	15'-0"	N/A	15'-0"	8'-0"		

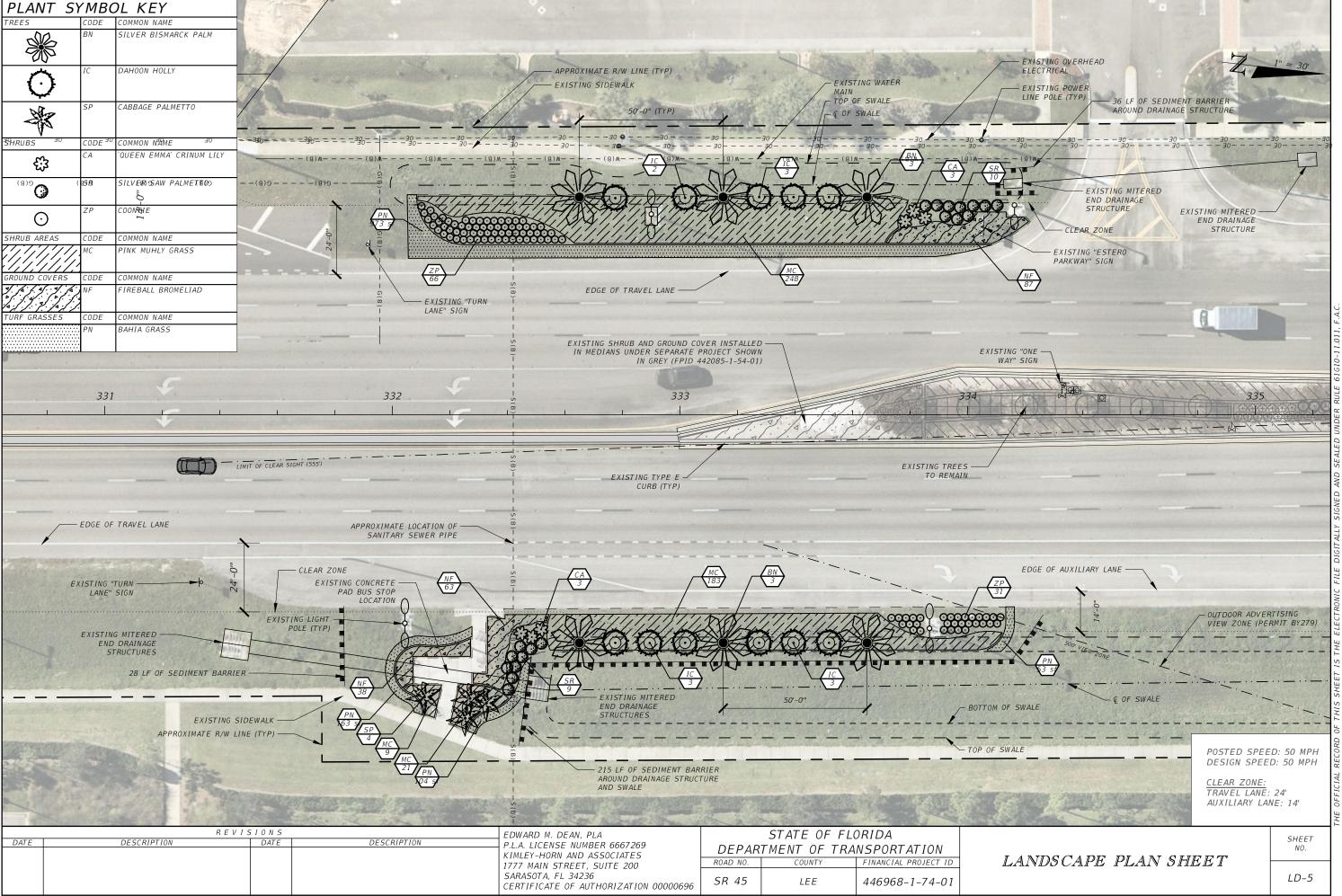
	REVIS	EDWARD M. DEAN. PLA					
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269			
				KIMLEY-HORN AND ASSOCIATES			
				1777 MAIN STREET, SUITE 200			
				SARASOTA, FL 34236			
				CERTIFICATE OF AUTHORIZATION 00000696			

	STATE OF FLORIDA							
	DEPARTMENT OF TRANSPORTATION							
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
96	SR 45	LEE	446968-1-74-01					

Dean, Ed

GENERAL NOTES

SHEET NO.	
I D-4	



LANDSCAPE TECHNICAL MAINTENANCE PLAN

MAINTAIN ALL LANDSCAPED MEDIANS LOCATED WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE ACTIVITIES BELOW. EXISTING ROADSIDE LANDSCAPE IS NOT INCLUDED WITHIN THE MAINTENANCE AREA.

CONSTRUCTION AND ESTABLISHMENT PERIOD AND FOR SUBSEQUENT YEARS IF CONTRACTED. THE ACTIVITIES AND FREQUENCIES SHOWN REPRESENT THE MINIMUM REQUIREMENTS.

MAINTENANCE AREA LIMITS:

MULCH:

PRUNING:

WATERING:	AS PART OF THE ESTABLISHMENT PLAN REQUIRED PER SUPPLEMENTAL SPECIFICATION 580, SUBMIT A DETAILED WATERING SCHEDULE INCLUDING A PLAN TO REDUCE WATERING AMOUNTS AND CYCLES AS PLANTS ARE ESTABLISHED. SUBMIT DOCUMENTATION, QUARTERLY, TO THE ENGINEER FOR EACH WATERING APPLICATION IN AN EXCEL SPREADSHEET OR COMPATIBLE VERSION TO INCLUDE DATE OF APPLICATION, COVERAGE, NUMBER OF GALLONS, AND HOW APPLIED (WATER TRUCK OR IRRIGATION SYSTEM).
LITTER REMOVAL:	PERFORM LITTER REMOVAL WITHIN THE ENTIRE PROJECT LIMITS. PERFORM LITTER REMOVAL TO ENSURE THE VOLUME OF LITTER DOES NOT EXCEED 2 CUBIC FEET PER ACRE. PROVIDE THE LANDFILL RECEIPTS AND/OR THE ESTIMATED LITTER AMOUNT COLLECTED FOR THE INVOICE PERIOD WITH SUBMISSION OF THE INVOICE.
EDGING:	MECHANICAL EDGING SHALL BE USED FOR TURF ADJACENT TO PAVEMENT. CHEMICAL HERBICIDE EDGING CAN BE USED ON TREE RINGS AND PLANTING BEDS.
WEEDING:	MAINTAIN TREE RINGS AND BEDS 99% WEED FREE AT ALL TIMES. HAND-REMOVE ANY WEEDS ABOVE TWELVE (12) INCH HEIGHT PRIOR TO APPLYING HERBICIDE SPRAY. PERFORM FINAL WEEDING WITHIN TEN (10) DAYS PRIOR TO FINAL INSPECTION. COMPLETE HERBICIDE REPORTS ON THE FORMS PROVIDED BY THE DEPARTMENT FOR EACH LOCATION WHERE WEED AND GRASS CONTROL IS TAKING PLACE. SUBMIT COMPLETED FORMS TO THE ENGINEER WITH EACH INVOICE OR AS DIRECTED BY THE ENGINEER.
	ERADICATE FLORIDA EXOTIC PEST PLANT COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES AND THEIR SEEDS, AND VINES. DOCUMENT AND MAINTAIN IN WRITING THE LOCATION OF COGANGRASS AND TROPICAL SODA APPLE SITES, THE AMOUNT OF THE AREA INFESTED AT EACH SITE, DATE, AND TYPE (PERCENTAGE OF PRODUCT/METHOD USED) AND LAST TREATMENT, AND SUBMIT TO THE ENGINEER WITH THE MONTHLY INVOICE.
CHEMICAL APPLICATIONS:	INSPECT ALL PALMS AND TREES FOR PEST INFESTATION AND DISEASE ON A MONTHLY BASIS, CHECKING FOR THE PRESENCE FOR INSECTS, GRUBS, MITES, FUNGUS, MOLD, ETC. APPLY FUNGICIDE AND PESTICIDES PER MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION METHODS AND RATES AS REQUIRED. SUBMIT DOCUMENTATION IN WRITING TO THE ENGINEER FOR EACH CHEMICAL TYPE APPLIED, RATES OF APPLICATIONS, LOCATIONS DATES OF APPLICATION AND TARGET PEST OR DISEASE WITH EACH INVOICE OR AS DIRECTED BY THE ENGINEER.
WATER SAUCERS, STAKES AND GUYS:	CONTINUOUSLY MONITOR AND REPAIR WATER SAUCERS. MAINTAIN TREES AND PALMS UPRIGHT, WITH STAKES/GUYS. INSPECT AND ADJUST STAKES AND GUYS TO ENSURE STABILITY AND PLUMB CONDITION OF TREES AND PALMS.
FERTILIZATION OF TREES, PALMS, AND	FERTILZE TREES AND PALMS AS NEEDED TO PREVENT NUTRITIONAL DEFICIENCIES, TO PROMOTE GROWTH, AND MAINTAIN A HEATHY APPEARANCE. FERTILIZER SHOULD CONTAIN MACRONUTRIENTS AND MICRONUTRIENTS IN

PRUNE AS REQUIRED TO MAINTAIN CLEARANCE FOR CLEAR SIGHT WINDOWS (FDOT DESIGN MANUAL, SECTION 212) AND TO MAINTAIN STRUCTURAL INTEGRITY.

MAINTAIN CLEARANCE SO THERE IS NO ENCROACHMENT OF TREES, PALMS. TREE LIMBS, PALM FRONDS OR VEGETATION IN OR OVER THE TRAVEL WAY, GUARDRAIL OR CLEAR ZONE, LOWER THAN 14.5 FEET OR LOWER THAN 10 FEET OVER SIDEWALKS, BIKE, OR MULTIUSE PATHS. NO VEGETATION SHALL VIOLATE THE CLEARANCE REQUIREMENT.

A CONTROLLED RELEASED FORM APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS FOR APPLICATION METHODS AND RATES. FERTILIZE ALL PLANTS A MINIMUM OF TWO (2) TIMES PER YEAR. AFTER FERTILIZATION, PROVIDE FERTILIZER TYPE APPLIED PER PLANT SPECIES, RATE OF APPLICATION, MSDS SHEET, LABEL INFORMATION, AND DATE OF APPLICATION. SUBMIT INFORMATION TO THE ENGINEER WITH EACH INVOICE OR AS

MAINTAIN A MINIMUM OF THREE (3) INCHES DEPTH OF MULCH MATERIAL FOR ALL PLANT AREAS AS SHOW IN THE PLANS. MULCH THREE (3) FEET AROUND THE TRUNK OF ALL TREES AND PALMS. INSPECT SLOPES AFTER MAJOR RAIN EVENTS AND CORRECT MULCH DEFICIENCIES. DEPTH WILL BE VERIFIED BY THE ENGINEER THROUGHOUT PROJECT LIMITS. SEE LANDSCAPE PLANS FOR LOCATIONS OF APPLICATIONS.

TREES: REMOVE ALL SUCKERS, DEAD, DISEASED OR BROKEN BRANCHES.

PALMS: PRUNE AS REQUIRED TO REMOVE BROKEN OR DEAD FRONDS AND ALL FLOWER/SEED STALKS. FLOWER/SEED STALKS SHALL BE REMOVED PRIOR TO DROPPING OF SEEDS, NUTS, OR PRODUCTION OF FRUIT.

ALL LANDSCAPE MATERIAL SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHEREBY TRAFFIC CONTROL SIGNAGE, CAMERAS AND DEVICES ARE VISIBLE TO MOTORISTS AND PEDESTRIANS AT ALL TIMES.

NOTE: THE LANDSCAPE TECHNICAL MAINTENANCE PLAN APPLIES TO BOTH THE CONSTRUCTION PERIOD AND 1 YR. ESTABLISHMENT PERIOD.

DIRECTED BY THE ENGINEER.

	REVI	S		EDWARD M. DEAN. PLA	STATE OF FLORIDA			
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269 KIMLEY-HORN AND ASSOCIATES DEPARTMENT OF TRA				
		1777 MAIN STREET, SUITE 200	ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
				SARASOTA, FL 34236 CERTIFICATE OF AUTHORIZATION 00000696	SR 45	LEE	446968-1-74-01	
	·		·	·		Dean, Ed	11/5/2020 11:13:28 AM	

LANDS CAPE TECHNICAL MAINTENANCE PLAN

SHEET

LD-6

IRRIGATION SCHEDULE

<u>SYMBOL</u>	MANUFACTURER/MODEL/DESCRIPTION	<u>QTY</u>
	DRIP ZONE VALVE KIT HIGH FLOW CONTROL DRIP-ZONE KIT. 1-1/2" GLOBE VALVE WITH SINGLE 1-1/2" PRESSURE REGULATING (40PSI) QUICK-CHECK BASKET FILTER.	2
(F)	FLUSH VALVE DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.	2
A	AIR RELIEF VALVE 1/2" THREADED AIR/VACUUM RELIEF VALVE	2
٥	LARGE TREE DRIP RING EMITTERS CONTRACTOR TO PROVIDE FOUR (4) PRESSURE COMPENSATING DRIP EMITTERS IN DRIPLINE AROUND TREE WITH SELF-PIERCING BARB INLET AND DIFFUSER CAP. FLOW RATE: 24GPH.	11
(A)	SMALL TREE/ PALM DRIP EMITTERS CONTRACTOR TO PROVIDE TWO (2) PRESSURE COMPENSATING DRIP EMITTERS IN DRIPLINE AROUND TREE WITH SELF-PIERCING BARB INLET AND DIFFUSER CAP. FLOW RATE: 24GPH.	6
	AREA TO RECEIVE DRIPLINE ON-SURFACE DRIPLINE ON-SURFACE PRESSURE COMPENSATING DRIPLINE. 0.9 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. PURPLE TUBING.	4,254 L.F.
SYMBOL_	MANUFACTURER/MODEL/DESCRIPTION	QTY
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21. PIPE TO BE PURPLE FOR RECLAIMED USE.	213.4 L.F.
	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	120.2 L.F.
	PIPE SLEEVE: EXISTING TO REMAIN Valve Callout	65.8 L.F.
	Valve Number	
/ # ♦ \ # •	Valve Flow	
#" •	Valve Size	

VALVE SCHEDULE

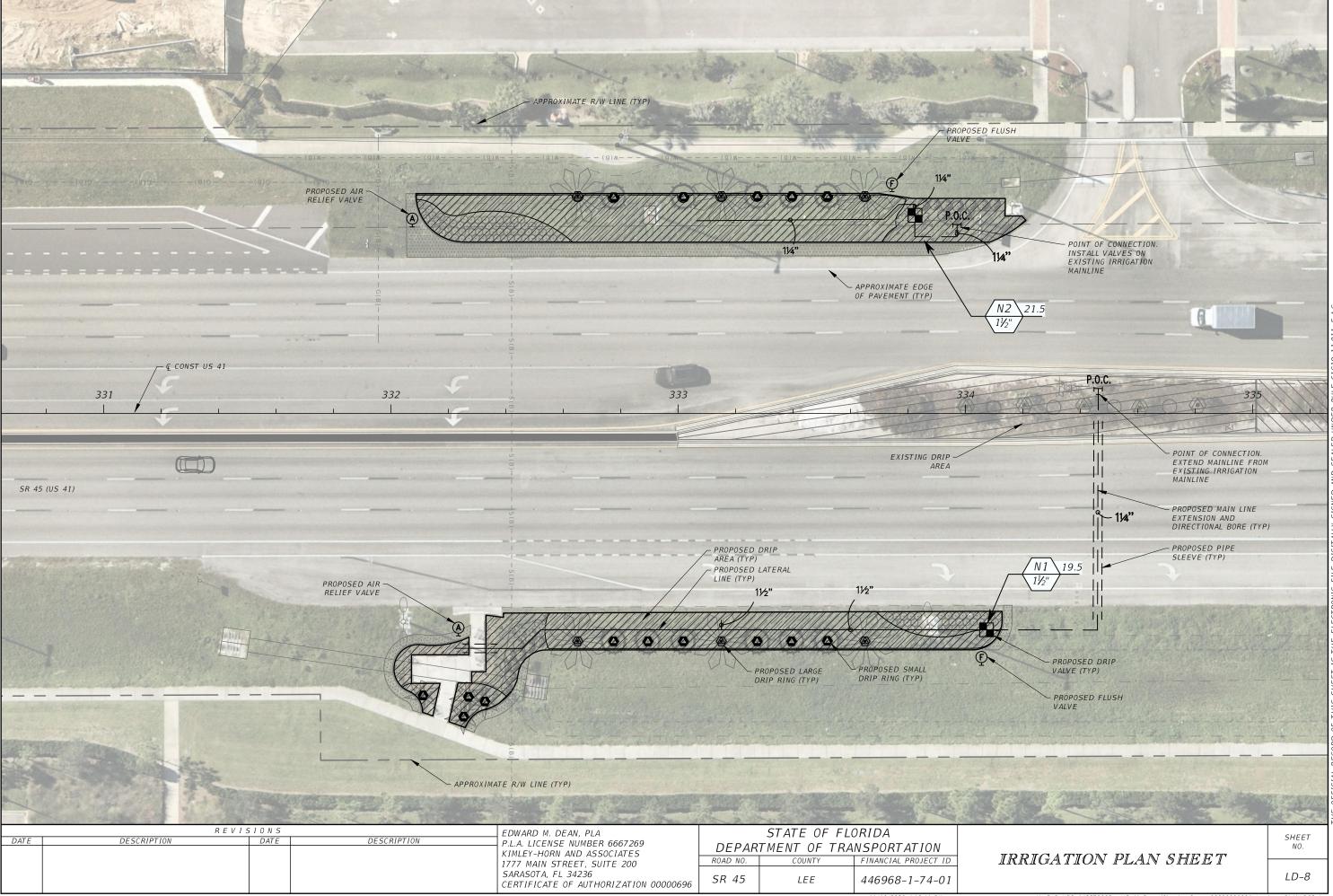
<u>NUMBER</u>	MODEL	SIZE	<u>TYPE</u>	GPM	<u>PS1</u>	PSI @ POC	
N 1	DRIP ZONE VALVE KIT	1-1/2"	AREA FOR DRIPLINE	19.47	15.61	17.55	
N2	DRIP ZONE VALVE KIT	1-1/2"	AREA FOR DRIPLINE	21.54	15.86	16.36	

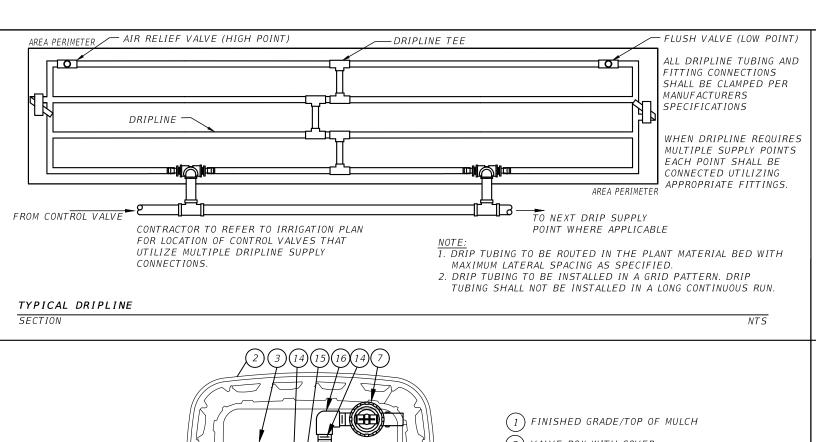
REVISIONS EDWARD M. DEAN, PLA P.L.A. LICENSE NUMBER 6667269 STATE OF FLORIDA DESCRIPTION DESCRIPTION DEPARTMENT OF TRANSPORTATION KIMLEY-HORN AND ASSOCIATES
1777 MAIN STREET, SUITE 200 ROAD NO. COUNTY FINANCIAL PROJECT ID SARASOTA, FL 34236 CERTIFICATE OF AUTHORIZATION 00000696 SR 45 LEE 446968-1-74-01 Dean, Ed

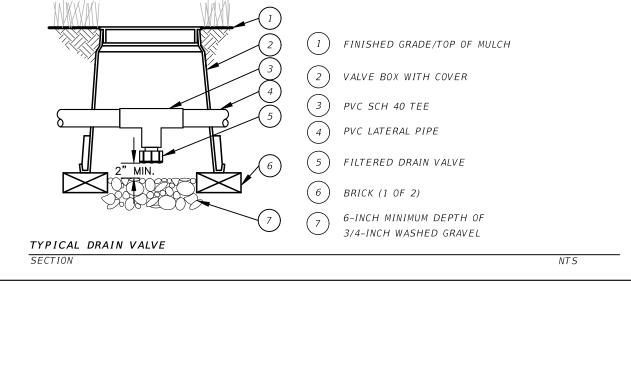
IRRIGATION TABULATION OF QUANTITIES

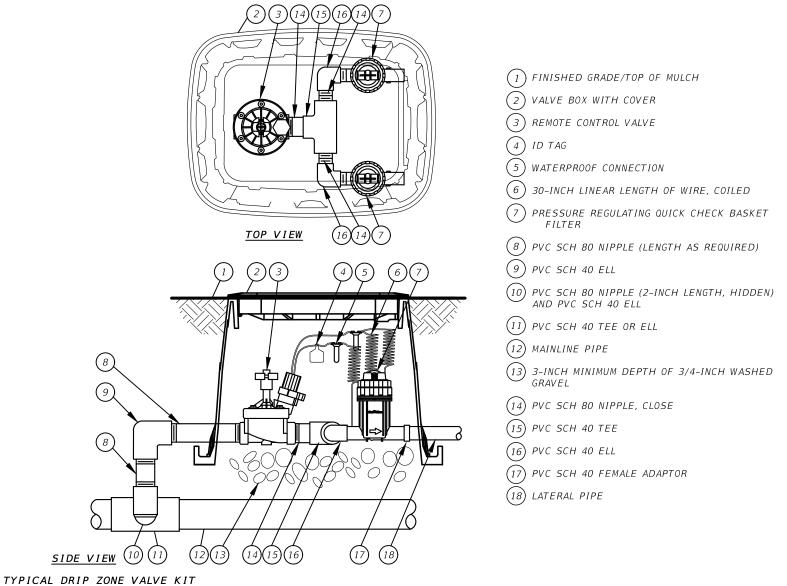
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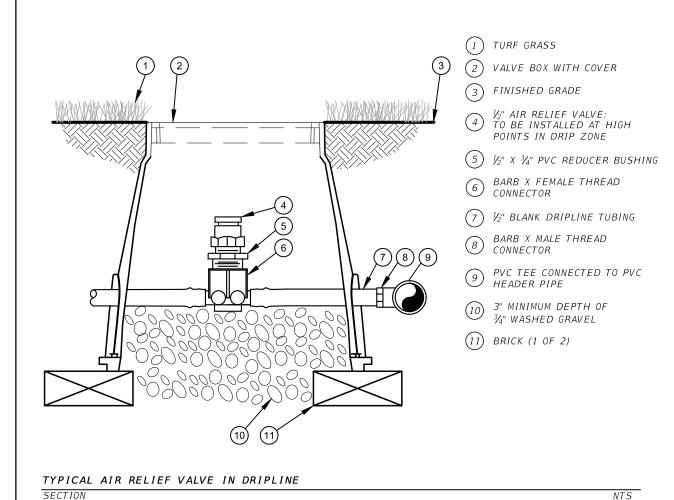
LD-7











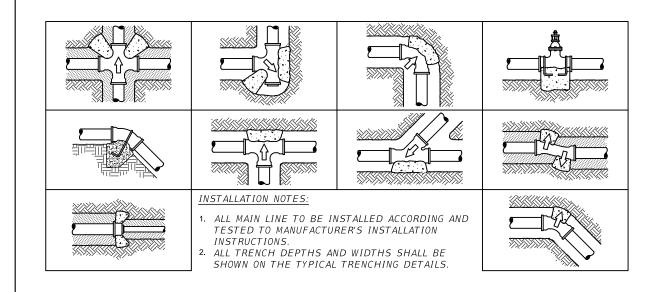
				NTS
DATE	R E V I S DESCRIPTION	EDWARD M. DEAN, PLA		
DALE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269 KIMLEY-HORN AND ASSOCIATES 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236 CERTIFICATE OF AUTHORIZATION 00000696

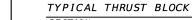
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
ROAD NO. COUNTY FINANCIAL PROJECT ID
SR 45 LEE 446968-1-74-01

IRRIGATION DETAILS (1)

SHEET NO. LD-9

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METAL DETECTABLE-

MARKING TAPE

LATERAL 💥 –

WIRING-MAINLINE-

SECTION NTS

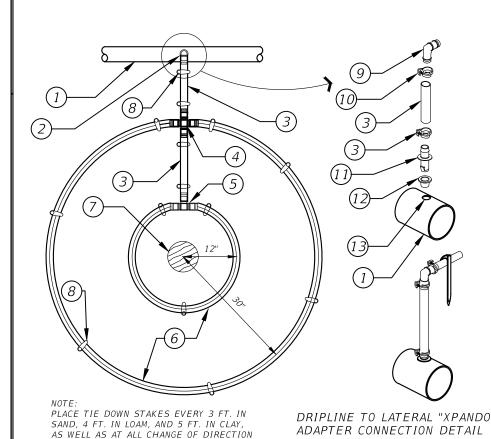
┌12" MIN

ALL PLASTIC PIPING TO BE SNAKED IN TRENCHES AS SHOWN.

ALL MAIN LINES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION SPECIFICATIONS.

DIRECT BURIAL CONTROL WIRE

ALL 120 VOLT WIRING SHALL BE IN CONDUIT TO BE INSTALLED IN ACCORDANCE WITH LOCAL CODE.



SUCH AS AT TEES OR ELLS.

DRIP EMITTER

- 1) PVC LATERAL SUPPLY PIPE, SIZE AS PER PLAN WITH MINIMUM SIZE 1 1/2" DIAMETER.
- DRIPLINE CONNECTION TO BELOW GRADE LATERAL PIPE, SEE DRIPLINE TO LATERAL "XPANDO" ADAPTER CONNECTION DETAIL.
- (3) 1/2" PLOYETHYLENE BLANK TUBING, AS REQUIRED.
- 4) BARB CROSS INSERT FITTING.
- (5) BARB TEE INSERT FITTING.
- 6 AT-GRADE DRIPLINE, INNER RING 12" FROM PLANT, OUTER RING 30" FROM PLANT. DRIPLINE TO BE 0.9GPH EMITTERS AT 12" O.C.
- (7) PLANT TRUNK.
- (8)TYPICAL ANTELCO ASTA TIE-DOWN STAKE, SEE NOTES.
- (9) DRIPLINE BARBED INSERT ELL.
- RATCHET CLAMP AT ALL BARBED CONNECTIONS, ANTELCO PART NO. 44345.
- (1) INSERT ADAPTER, ANTELCO "XPANDO" 13MM X 14MM, PART NO. 45595.
- (12) 13MM ANTELCO "CAPO: RUBBER GROMMET, NO. 45735.
- DRIPLINE TO LATERAL "XPANDO"

 ADAPTER CONNECTION DETAIL

 YOU MUST USE A "FORSTNER" DRILL BIT FOR DRILLING INTO PVC. REMOVE ANY EXCESS BURRS OR ROUGH EDGES.

- TAPE AND BUNDLE WIRING AT 10 FT. INTERVALS TYPICAL TRENCHING SECTION NTS CONCRETE CURB WHERE APPLICABLE ROADWAY/DRIVEWAY BASE TURF/PLANTING BED TURF/PLANTING BED ANACHANAN AN METALLIC DISC -± 3' METALLIC DISC MIN. END OF SLEEVE IRRIGATION SLEEVE END OF SLEEVE -SHARED SLEEVE, WHERE APPLICABLE -WITH LATERALS & MAINLINE ONLY. ALL WIRING IN SEPARATE CONDUIT. -

SECTION / PLAN

R E V I S I O N S

DATE DESCRIPTION

DATE DESCRIPTION

DATE DESCRIPTION

EDWARD M. DEAN, PLA
P.L.A. LICENSE NUMBER 6667269
KIMLEY-HORN AND ASSOCIATES
1777 MAIN STREET, SUITE 200
SARASOTA, FL 34236
CERTIFICATE OF AUTHORIZATION 00000696

STATE OF FLORIDA

DEPARTMENT OF TRANSPORTATION

ROAD NO. COUNTY FINANCIAL PROJECT ID

SR 45 LEE 446968-1-74-01

TYPICAL SLEEVING

SECTION

IRRIGATION DETAILS (2)

SHEET NO.

LD-10

NTS

Dean, Ed 11/5/2020 11:14:26 AM

TEMPORARY TRAFFIC CONTROL NOTES

- 1. MAINTAIN POSTED SPEEDS AT ALL TIMES. NORTHBOUND: 50 MPH SOUTHBOUND: 50 MPH
- 2. MAINTAIN EXISTING LANE WIDTH AT ALL TIMES.
- 3. LANDSCAPE OPERATIONS ARE TO UTILIZE THE FOLLOWING STANDARD PLAN INDEX NUMBERS: 102-601, 102-602.
- 4. NO LANE CLOSURES WITHIN 500 FEET OF A SIGNALIZED INTERSECTION BETWEEN THE HOURS OF 7:00 AM TO 8:00 PM. ONLY ONE (1) LANE MAY BE CLOSED DURING ACTIVE WORK ZONES.
- 5. INSTALL ONE (1) PORTABLE-CHANGEABLE MESSAGE SIGN (PCMS) AT EACH END OF PROJECT LIMITS TWO (2) WEEKS PRIOR TO CONSTRUCTION BEGINNING. THE PCMS SHALL READ:

PCMS MESSAGE 1: 2 WEEKS PRIOR TO CONSTRUCTION

PCMS MESSAGE 2: DURING CONSTRUCTION

ROADWORK

BEGINS MM/DD

ROADWORKAHEAD

USE CAUTION

TEMPORARY TRAFFIC CONTROL PHASING NOTES

- 1. PLACE ADVANCED WARNING SIGNAGE AND CHANNELIZING DEVICES IN ACCORDANCE WITH INDEX 102-602.
- 2. CONSTRUCT LANDSCAPE IMPROVEMENTS AS SHOWN IN THE PLANS.
- 3. DO NOT BLOCK SIDEWALKS WITH STAGING OR CONSTRUCTION OPERATIONS.
- 4. ONCE CONSTRUCTION IS COMPLETE, REMOVE SIGNS AND BARRICADES AND OPEN SHOULDER AREAS.

	R	EDWARD M. DEAN. PLA		
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269
				KIMLEY-HORN AND ASSOCIATES
				1777 MAIN STREET, SUITE 200
				SARASOTA, FL 34236
				CERTIFICATE OF AUTHORIZATION 00000696

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION FINANCIAL PROJECT ID ROAD NO. COUNTY SR 45 LEE 446968-1-74-01

TEMPORARY TRAFFIC CONTROL PLAN

SHEET

LD-11

11/5/2020 11:14:37 AM

SUMMARY OF LUMP SUM ITEMS							
PAY ITEM NO.	NO. PAY ITEM DESCRIPTION		ITITY	DESIGN NOTES	CONSTRUCTION REMARKS		
		Р	F		REMARKS		
0101-1	MOBILIZATION	1					

SUMMARY OF TEMPORARY TRAFFIC CONTROL PLAN ITEMS							
PAY ITEM NO. PAY ITEM DESCRIPTION		PHASE I					
	PAY ITEM NO. PAY ITEM DESCRIPTION	UNIT	DURATION	QUANTITY	TOTAL	DESIGN NOTES	CONSTRUCTION REMARKS
			DAYS	Р	Р		
0102-1	MAINTENANCE OF TRAFFIC	LS			1	INCLUDES PAY ITEMS 0102-60 AND 0102-74-1.	

	REVIS	EDWARD M. DEAN, PLA			
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269 KIMLEY-HORN AND ASSOCIATES 1777 MAIN STREET, SUITE 200	DE
				SARASOTA, FL 34236 CERTIFICATE OF AUTHORIZATION 00000696	SR

	STATE OF FLORIDA									
	DEPARTMENT OF TRANSPORTATION									
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID							
26	SR 45	LEE	446968-1-74-01							

SHEET NO.	
SQ-1	

	SUM	MARY O	F EROS	ION AND) SEDIM	ENT CONT	TROL DEVICES	
LOCAT I ON	CIDE	DE AREA		MENT RIER	PROTE	LET ECTION STEM	DESIGN	CONSTRUCT I ON
	SIDE	ID ID		0104 10 3		4 18	NOTES	REMARKS
STA. TO STA.			EA		EA			
			Р	F	Р	F		
331+84.00 TO 331+84.00	RT		28					
333+45.00 TO 334+38.00	RT		215					
334+10.00 TO 334+34.00	LT		36					
	SU	JB-TOTAL:	279					
		TOTAL:	279					

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER R

	REVIS	EDWARD M. DEAN. PLA			
DATE	DESCRIPTION	DATE	DESCRIPTION	P.L.A. LICENSE NUMBER 6667269	
				KIMLEY-HORN AND ASSOCIATES	
				1777 MAIN STREET, SUITE 200	
				SARASOTA, FL 34236	
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		STATE OF FLORIDA		
DEPARTMENT OF TRANSPORTATI			NSPORTATION	
	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
	SR 45	LEE	446968-1-74-01	

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