BID DOCUMENTS FOR ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH DESIGN



COUNTY COMMISSIONERS:

KEN DOERT `	DISTRICT 1
CHRISTOPHER CONSTANCE	DISTRICT 2
BILL TRUEX	DISTRICT 3
STEPHEN R. DEUTSCH	DISTRICT 4
JOE TISEO	DISTRICT 5

UTILITY PROVIDERS

WATER & SEWER: ENGLEWOOD WATER DISTRICT 201 SELMA AVE. ENGLEWOOD, FL 34223 PH: (941) 474-3217

PHONE: SPRINT UNITED 4195 KINGS HIGHWAY PORT CHARLOTTE, FL 33952 PH:(941) 625-4545

ELECTRIC: FLORIDA POWER & LIGHT 2245 MURPHY CT. NORTH PORT, FL 34289 PH: (941) 423-4849 FIRE PROTECTION: CHARLOTTE COUNTY FIRE & EMS 3631 TAMIAMI TRAIL PORT CHARLOTTE, FL 33952 PH: (941) 743-1368

FOR

CHARLOTTE CO. BOARD OF COUNTY COMMISSIONERS CHARLOTTE COUNTY, FLORIDA FEBRUARY 2025

ECTION` 09, TOWNSHIP 41S, RANGE 20E



LOCATION MAP N.T.S.

CHARLOTTE COUNTY, FLORIDA

(SITE 1) 6791 SAN CASA DRIVE ENGLEWOOD, FL 34224 PARCEL I.D. No. 412009181010 AND

(SITE 2) 6931 SAN CASA DRIVE ENGLEWOOD, FL 34224 PARCEL I.D. No. 412009376001

OWNER: CHARLOTTE COUNTY 18500 MURDOCK CIR., STE B208 PORT CHARLOTTE, FL 33948

ENGINEER AND SURVEYOR:



ENGINEERS SURVEYORS DMK PROJECT No. 23-0140

405 COMMERCIAL COURT, SUITE E VENICE, FL 34292 TEL: (941) 412-1293 FAX: (941) 412-1043 EMAIL: info@dmkassoc.com **C.A.** No. 3943







INDEX OF DRAWINGS DESCRIPTION

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CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CHARLOTTE COUNTY STANDARDS AND SPECIFICATIONS. UTILITY PLANS ARE IN ACCORDANCE WITH CCU MINIMUM DRAWING REQUIREMENTS DATED NOVEMBER 11, 2011. STATE PLANE COORDINATES WILL BE SUPPLIED FOR THE RECORD DRAWINGS." VERTICAL DATUM IS NAVD88.

THE ABOVE OR BELOW REGISTERED ENGINEER SHALL BE RESPONSIBLE FOR THE INDEX OF SHEETS SHOWN ON THIS COVER SHEET IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THE DESIGN OF THIS PROJECT, AS PREPARED UNDER MY PERSONAL DIRECTION AND CONTROL, COMPLIES WITH ALL APPLICABLE STANDARDS.

KREG E. MAHEU, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 45766; THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KREG E. MAHEU, P.E. ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

SHEET No.

CONSTRUCTION NOTES:

- 1. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED PER F.D.O.T. INDEX NO. 310 AND F.D.O.T. STANDARD SPECIFICATION NO. 522 EXCEPT FOR CURB CUT RAMP RUNS WHICH SHALL BE FINISHED IN ACCORDANCE WITH INDEX NO. 304 EXCEPT AMENDMENTS TO DESIGN PER CHARLOTTE COUNTY PUBLIC WORKS - ENGINEERING DIVISION.
- 2. THERE SHALL BE NO CHANGE OR DEVIATION OF THESE PLANS OR SPECIFICATIONS UNLESS PRIOR WRITTEN APPROVAL FROM THE ENGINEER IS OBTAINED.
- 3. THE LOCATION OF EXISTING UTILITIES, PAVEMENT, VEGETATION, AND MISCELLANEOUS IMPROVEMENTS ARE APPROXIMATE ONLY. THE EXACT 3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF AND WHEN A POSSIBLE ERROR IS FOUND IN THE PLANS OR STAKED ALIGNMENT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITY COMPANIES TO AND/OR GRADES. THE ENGINEER MAY ACCEPT, REVISE TO ACCOMMODATE CONDITIONS, OR REJECT THE FACILITY BEING CONSTRUCTED. IT IS IMPÉRATIVE THAT THE CONTRACTOR NOTIFY THE ENGINEER OF THESE SITUATIONS AS SOON AS POSSIBLE, PRIOR TO EXPENDITURE OF FUNDS. COORDINATE WORK.
- 4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND COORDINATE RELOCATIONS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. 4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY AND REPORT THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE OWNER/ENGINEER WITHOUT DELAY. ANY LIMITS, WHETHER THEY ARE IDENTIFIED ON THE DRAWINGS OR NOT. DAMAGE WILL BE REPAIRED BY THE CONTRACTOR VIA A LICENSED FLORIDA SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 5. EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES SHALL BE OBSERVED DURING CONSTRUCTION BY THE CONTRACTOR. THE METHODS WHICH SHOULD BE USED INCLUDE BUT ARE NOT LIMITED TO:
- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SILTATION CAUSED BY CONSTRUCTION ACTIVITY ENTERING THE STORM DRAINAGE SYSTEM, BOTH ON-SITE AND OFF-SITE. THE CONTRACTOR SHALL UTILIZE SAND BAGS AND SYNTHETIC BALES OR OTHER EROSION CONTROL METHODS TO CONTROL EROSION.
- B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING CONSTRUCTION BY UTILIZING WATER TRUCKS, ANTI-DRAFT FENCING, OR OTHER APPROVED METHODS, AND BY COVERING OPEN BODIED TRUCKS TRANSPORTING DEBRIS
- C. EROSION CONTROL MEASURES SHALL BE PROVIDED PER F.D.O.T. INDEX NOS. 100-106 AS APPLICABLE.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE, INCLUDING MOWING AND CLEANUP UNTIL THE PROJECT IS ACCEPTED. IF, BY THEN, THE GROWTH IS NOT FIRMLY ESTABLISHED. THE CONTRACTOR WILL CONTINUE TO BE RESPONSIBLE FOR MAINTENANCE. UNTIL THE GROWTH IS ESTABLISHED.
- 7. THE CONTRACTOR SHALL USE EXTREME CARE NOT TO DAMAGE THE ROOT SYSTEMS OF TREES AND OTHER LANDSCAPE FEATURES WHICH ARE TO BE SAVED, AND/OR SALVAGED, FOR RESTORATION PURPOSES. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. SEE SPECS FOR ADDITIONAL INFORMATION.
- 8. AS PART OF CLEARING AND GRUBBING, ALL DEBRIS IS TO BE REMOVED FROM THE PROJECT SITE AND SALVAGED BY THE CONTRACTOR OR TRANSPORTED TO A LEGAL DISPOSAL AREA.
- 9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE JOB SITE, REVIEW THE CONSTRUCTION AND DESIGN REQUIREMENTS, PROJECT PERMITS, CONDITIONS, STIPULATIONS, AND RESTRICTIONS AS NECESSARY TO FAMILIARIZE HIMSELF WITH THE ENTIRE PROJECT PRIOR TO BIDDING.
- 10. THE COUNTY SHALL SECURE AN INDEPENDENT TESTING LABORATORY DURING CONSTRUCTION TO PERFORM SUCH TESTING AS NEEDED TO CERTIFY THAT THE MATERIAL AND STRUCTURAL COMPONENT SPECIFICATIONS NOTED HAVE BEEN MET. THE CONTRACTOR SHALL ALSO SUBMIT, FOR REVIEW AND APPROVAL, TO THE ENGINEER OF RECORD, A MINIMUM OF FOUR COPIES OF SHOP DRAWINGS AND/OR MATERIAL CERTIFICATIONS FOR ALL MATERIALS PRIOR TO ORDERING SAME FOR THE PROJECT.
- 11. THE CONTRACTOR SHALL CLEAR THE SITE ONLY TO THE EXTENT NECESSARY TO CONSTRUCT THE REQUIRED IMPROVEMENTS. DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR, AT HIS EXPENSE.
- 12. ALL DISTURBED GRASSED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE AND STABILIZED BY SODDING.
- 13. ALL CONSTRUCTION SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC. HANDICAP RAMPS SHALL ALSO COMPLY. SAW CUTTING GROOVES IN RAMPS IS NON-CONFORMING AND POSES A LIABILITY.
- 14. CLASS I CONCRETE, 3,000 PSI @ 28 DAYS SHALL BE USED FOR ALL SIDEWALKS AND CONCRETE STRUCTURES, SIDEWALKS TO RECEIVE FIBERMESH REINFORCING.
- 15. MITERED END SECTIONS (MES), WHERE SPECIFIED, SHALL BE CONSTRUCTED PER F.D.O.T. INDEX NO. 272. CULVERT LENGTHS SHOWN ON PLANS EXCLUDE THE MITERED END SECTION.
- 16. ALL PIPE JOINTS SHALL BE WRAPPED PER F.D.O.T. INDEX NO. 280.
- 17. FILL MATERIAL, PLACED IN THE RIGHT OF WAY SHALL, BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY IN SIX (6) INCH LIFTS MAXIMUM -UNLESS SPECIFICATIONS ALLOW OTHERWISE.
- 18. FILL MATERIAL UTILIZED SHALL BE TYPE A-3.
- 19. CONTRACTOR TO ADHERE TO THE GUIDELINES OF THE FLORIDA "TRENCH AND SAFETY ACT"
- 20. PLAN GRADES, ON GRASSED AREAS, INDICATE TOP OF SOD.
- 21. SEE SIGNING AND PAVEMENT MARKING PLANS FOR RELOCATION OF ALL SIGNS AFFECTED BY SIDEWALK DESIGNS.
- 22. CULVERT EXTENSION LENGTHS SHOWN ON PLANS DO NOT INCLUDE THE LENGTH OF DAMAGED ENDS OF EXISTING CULVERTS. THE EXTENT OF DAMAGE SHALL BE DETERMINED AND THE LENGTH OF EXTENSION INCREASED, ACCORDINGLY. PIPE ENDS SHALL BE SAWCUT BY THE CONTRACTOR AT HIS EXPENSE.
- 23. CONTRACTOR SHALL VERIFY EXISTING CULVERT SIZES, WHERE PROPOSED EXTENSIONS OR CONNECTIONS ARE SPECIFIED ON PLANS, PRIOR TO ORDERING NEW CULVERT MATERIAL.
- 24. MODIFICATION OF EXISTING UTILITIES SHALL CONFORM TO CHARLOTTE COUNTY UTILITIES DESIGN COMPLIANCE STANDARDS DATED NOV. 1, 2011.
- 25. WATER METER RELOCATION, WHERE SPECIFIED ON PLANS, SHALL INCLUDE SERVICE PIPE RECONNECTION.
- 26. MAILBOX INSTALLATION AND RELOCATION, WHERE SPECIFIED ON PLANS, SHALL CONFORM TO F.D.O.T. INDEX NO. 532.
- 27. REMOVAL OF PROTECTED TREE SPECIES SHALL REQUIRE A TREE REMOVAL PERMIT.
- 28. CONCRETE JACKETS, AROUND METAL CULVERTS, SHALL BE INSTALLED WHERE EXTENSIONS REQUIRING BENDS ARE DESIGNATED ON THE PLANS. EXISTING METAL CULVERTS TO BE SAWCUT AT APPROPRIATE ANGLE.
- 29. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ALLOW HOMEOWNER'S REASONABLE ACCESS TO THEIR PROPERTY AT ALL TIMES DURING CONSTRUCTION. THIS PROVISION SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
- 30. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE PROVISIONS FOR TEMPORARY MAIL SERVICE, WITHOUT INTERRUPTION OF SERVICE, WHERE NEW OR RELOCATED MAILBOXES ARE SPECIFIED ON THE PLANS. THIS PROVISION SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
- 31. TRAFFIC BEARING GRATES AND RIMS SHALL BE UTILIZED ON ALL PROPOSED STRUCTURES.
- 32. ALL INLET GRATING, DESIGNATED ON PLANS TO BE REMOVED, SHALL BE RETURNED TO THE COUNTY.
- 33. THE CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING PAVEMENT OVERBUILD, BEYOND "TRUE" EDGE OF PAVEMENT, ON PAVED RETURNS, (RADII) AND SHALL EXTEND SIDEWALK TO CUT PAVEMENT EDGE.
- 34. WHERE ASPHALT DRIVEWAYS ARE DESIGNATED TO BE REPLACED ON THE PLANS, THE ADJACENT ROADWAY PAVEMENT EDGE SHALL BE TRIMMED BY SAWCUTTING AND REMOVED.
- 35. MODIFIED INLETS REQUIRING EXTENSION (RAISING) OF WALLS, SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL ENTITLED "METHOD OF CONSTRUCTION FOR WALL EXTENSION OF EXISTING DRAINAGE STRUCTURES"
- 36. IF EXISTING CULVERT PIPES ARE TO BE CUT TO PROVIDE A CLEAN CONNECTION FOR PIPE EXTENSIONS, THE COST OF CUTTING PIPE WILL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND SHALL BE INCLUDED BY THE CONTRACTOR AT HIS EXPENSE.
- 37. ALL CONCRETE COLLARS SHALL INCLUDE MITER CUTTING PIPES TO PROVIDE A CLOSE FITTING JOINT. JOINT SHALL NOT BE BRIDGED WITH CONCRETE.
- 38. PRIVATE IRRIGATION SPRINKLER SYSTEMS: CONTRACTOR TO COORDINATE WITH INSPECTOR AND HOME OWNER TO CUT/CAP OR MODIFY THE IRRIGATION SYSTEM.



GENERAL NOTES:

- 1. VERTICAL ELEVATIONS ARE REFERENCED IN FEET TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 2. WRITTEN DIMENSIONS TO TAKE PRECEDENCE OVER SCALE. NORMAL SHEET SIZE IS 24"x36" TO SCALE. ALL REDUCED SHEET SETS ARE NOT TO SCALE.
- 5. EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUIVALENT OR BETTER TO THAT WHICH EXISTED PRIOR TO COMMENCING CONSTRUCTION, AT NO ADDITIONAL COST TO OWNER.
- 6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC DESIGN STANDARDS & SPECIFICATIONS, CHARLOTTE COUNTY DEVELOPMENT STANDARDS AND SPECIFICATIONS AND CHARLOTTE COUNTY UTILITIES REQUIREMENTS.
- 7. LOCATIONS OF INLETS AND STORM DRAINS MAY BE FIELD ADJUSTED TO PRESERVE EXISTING VEGETATION WITH OWNER/COUNTY APPROVAL.
- 8. THE CONTRACTOR IS REQUIRED TO ADJUST ALL VALVE BOXES, MANHOLE RIMS, GRATES, ETC. AS NECESSARY TO MATCH PROPOSED GRADES.
- 9. CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES A MINIMUM OF 72 HOURS PRIOR TO ALL REQUIRED INSPECTIONS.
- ENVIRONMENTAL: 10. CONTRACTOR TO PROVIDE SILT FENCE, STAKED SYNTHETIC BALES, TURBIDITY BARRIERS AND OTHER APPROPRIATE MEASURES TO EFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE 1. WITHIN 90 DAYS PRIOR TO EARTHWORK AND/OR CONSTRUCTION, APPLICANT SHALL CONDUCT A SPECIES SURVEY MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH GRASS OR SUITABLE EROSION FOCUSING ON LOCATING POTENTIAL GOPHER TORTOISE BURROWS. IF BURROWS ARE FOUND THAT CAN'T BE AVOIDED BY A PROTECTION TREATMENT. CONSTRUCTION AND STAGING AREAS WILL BE MAINTAINED IN A FASHION TO PREVENT EROSION OR TURBIDITY 25' BUFFER, APPLICANT SHALL OBTAIN A RELOCATION PERMIT FROM THE FLORIDA FISH & WILDLIFE CONSERVATION PROBLEMS. CONTRACTOR WILL MEET ALL LOCAL, STATE, AND FEDERAL WATER QUALITY REGULATIONS AND PERMIT REQUIREMENTS. ALL COMMISSION. DISTURBED AREAS TO BE SODDED AS CONSTRUCTION IS COMPLETED.
- 11. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- 12. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ANY PERMITS NECESSARY FOR CONSTRUCTION.
- 13. CONTRACTOR SHALL PROMPTLY REPORT ALL FIELD CHANGES TO THE ENGINEER.
- 14. CONTRACTOR SHALL CLEAR ALL EXCAVATION AND FILL AREAS; ACTUAL LIMITS OF CLEARING SHALL BE DETERMINED IN THE FIELD BY OWNER OR ENGINEER.
- 15. THE PROPOSED SIDEWALK ROUTE AND SITE GRADES MAY BE ADJUSTED IN FIELD BY ENGINEER.
- 16. THE LOCATIONS OF EXISTING UTILITIES AND STORM SEWERS SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM RECORD DRAWINGS AND FIELD INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXACT LOCATION PRIOR TO CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE ENGINEER.
- 17. DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.
- 18. THE CONTRACTOR SHALL PREPARE AND PROVIDE AS-BUILT AND RECORD DRAWINGS IN COMPLIANCE TO ALL AGENCIES GOVERNING PERMITS, CERTIFICATION, AND TRANSFER TO OPERATIONS STANDARDS AND SPECIFICATIONS, AS REQUIRED BY TS-01 INCLUDING ALL SIGNED & SEALED PLANS AND ELECTRONIC COPIES, WHICH SHALL BE DELIVERED TO THE ENGINEER.
- 19. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH OBTAINING APPROVAL FROM ANY PERMITTING AGENCY FOR PROPOSED DEVIATIONS AND WILL SUBMIT ELECTRONIC COPIES AS WELL AS SIGNED & SEALED HARD COPIES TO THE ENGINEER AND OWNER.
- 20. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT, ALL TRAFFIC MAINTENANCE CONTROL SHALL BE IN ACCORDANCE WITH THE FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS AND APPROVED BY CHARLOTTE COUNTY.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED CONSTRUCTION PERMITS INCLUDING BUT NOT LIMITED TO RIGHT OF WAY PERMITS AND TREE REMOVAL PERMITS.
- 22. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF SITE IN ACCORDANCE WITH APPLICABLE REGULATION.

PAVING, GRADING AND DRAINAGE NOTES:

- 1. STORM DRAINAGE CULVERT SIZES, SUMPS AND MATERIALS ARE SUBJECT TO CHANGE AS A FUNCTION OF DESIGN REQUIREMENTS, FUTURE DRAINAGE PROJECTS OR FIELD CONDITIONS AS DETERMINED BY CHARLOTTE COUNTY RIGHT-OF-WAY DEPARTMENT AT THE TIME OF LINE AND GRADE INSPECTIONS.
- STORM DRAINAGE DIMENSIONING CALLED OUT IN THIS PLAN SET IS BASED ON THE LINEAL DIMENSIONS FROM THE CENTROID OF THE DRAINAGE STRUCTURES. THE METHOD OF MEASUREMENT FOR THE BID ITEM IS BASED ON THIS NUMBER. THE CONTRACTOR WILL BEAR THE RESPONSIBILITY OF FITTING/CUTTING TO LENGTH APPROPRIATE FOR THE CONSTRUCTION ACCEPTANCE OF CHARLOTTE COUNTY.
- 3. ALL STORM STRUCTURE BASINS TO BE SUMPED A MINIMUM OF SIX (6) INCHES WITH A TWELVE (12) INCH SUMP PREFERABLE.
- 4. CONTRACTOR SHALL NOTIFY THE OWNER AND CONTACT ALL UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES IN THE AREA 72 HOURS (MIN.) PRIOR TO COMMENCING CONSTRUCTION.
- 5. ANY LAND DISTURBED BY CONSTRUCTION SHALL BE SODDED, USE ARGENTINE BAHIA OR LIKE KIND AND CONFORM TO FDOT SECTION 575. SOD ALONG EDGES OF PAVEMENT OF ALL ROADS, SIDEWALKS AND/OR CURB SHALL BE 1" BELOW FINISHED PAVEMENT GRADE.
- 6. THE STORM DRAINAGE PIPING AND FILTRATION SYSTEM SHALL BE SUBJECTED TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCED TO SCHEDULE INSPECTION.
- 7. THE CONTRACTOR SHALL MAINTAIN THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE INSPECTED BY THE OWNER'S ENGINEER PRIOR TO FINAL ACCEPTANCE.

SOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY	
NEERS ■ SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CH
93, Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD	
horization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	

N.P.D.E.S. PERMIT NOTE:

TOTAL DISTURBED PROJECT AREA IS ± 0.68 ACRES, CONTRACTOR WILL NOT BE REQUIRED TO OBTAIN AN NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND EXECUTE ITS REQUIREMENTS THROUGHOUT THE PROJECT.

CHARLOTTE COUNTY UTILITIES NOTES:

CONFLICT NOTES:

- 1. WATER SERVICE CONFLICTS: CONTRACTOR SHALL RELOCATE ANY EXISTING WATER SERVICE LINE WHERE IN CONFLICT WITH PROPOSED IMPROVEMENTS INCLUDING NEW DRAINAGE PIPES. SERVICE LINE SHALL HAVE A MINIMUM 18" OF COVER AND A MINIMUM OF 6" CLEARANCE FROM THE NEW PIPE. SERVICE LINE SPLICES SHALL NOT BE ALLOWED. SERVICE LINES SHALL BE REPLACED PER CCU DESIGN COMPLIANCE STANDARDS.
- 2. WATER METER CONFLICTS: WHERE EXISTING WATER METERS ARE IN CONFLICT WITH THE NEW SIDEWALK IMPROVEMENTS, RELOCATE THE METER AND METER BOX OUT OF THE FOOTPRINT OF THE SIDEWALK TO THE PROPERTY SIDE AND SET FLUSH WITH EXISTING GRADE.
- 3. WATER MAIN CONFLICTS: WHERE THE EXISTING WATER MAIN IS IN CONFLICT WITH THE NEW DRAINAGE PIPES, DEFLECT THE WATER MAIN UNDER OR OVER THE STORM DRAIN MAINTAINING A MINIMUM CLEARANCE OF 18". THE WATER MAIN DEFLECTION SHALL BE PER CCU DESIGN COMPLIANCE STANDARDS DATED NOV. 1, 2011.

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD DETAIL NOTES:

ALL REFERENCES TO FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEXES ARE FROM THE 2024 EDITION FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS (ENGLISH UNITS). THE DESIGN STANDARDS REFERENCED WITHIN THIS PLAN SET HAVE BEEN INCORPORATED HEREIN VERBATIM AS SET FORTH WITHIN THE ABOVE REFERENCED FDOT DESIGN STANDARDS.

2. AT THE TIME OF DEVELOPMENT, THE PROJECT MUST COMPLY WITH CHAPTER 3-5, ARTICLE IV, CLEARING, FILLING AND SOIL CONSERVATION REQUIREMENTS OF THE COUNTY CODE. BEST USE MANAGEMENT PLANS MUST BE DOCUMENTED ON FINAL SITE PLANS AND UTILIZED DURING ALL LAND CLEARING AND DEVELOPMENT ACTIVITIES.





IUCK DEVER REGIONAL PARK - WALKING PATH

TREE	LEGENI
	= CABBAGI (TRUNK DI
	= SLASH P (TRUNK DI
	= LIVE OAK TRUNK AN
A Charles	= UNKNOW (TRUNK DI





NOTE: THE PERIOD MAY OR MAY NOT BE SHOWN I.E. ASOP OR A.S.O.P.

AT			
ABANDONED IN-PLACE	MES	=	MITERED END SECTION
AS SHOWN ON PLANS	M. EX.	=	MAICH EXISTING
AMERICAN STD TESTING AND MATERIAL	MH	=	MANHOLE
BACK FLOW PREVENTION DEVICE	MIN	=	MINIMUM
BACK OF SIDEWALK INLET	MOT	=	MAINTENANCE OF TRAFFIC
BACK OF TRAIL (MURT)	MURT	=	MULTI USE RECREATIONAL TRAIL
CERTIFICATION	N	=	NORTH
	No	=	NUMBER
	NWL	=	NORMAL WATER LINE
CONCRETE	NTS	=	NOT TO SCALE
CITY OF SARASOTA	0/C	=	ON CENTER
COUNTY ROAD	PCC	=	PORTLAND CONCRETE CEMENT
	PGL	=	PROFILE GRADE LINE
	PREF	=	PREFERRED
DITCH POTTOM INI ET	PROJ	=	PROJECT
	PSI	=	POUNDS PER SQUARE INCH
DESIGN HIGH WATER LINE	PVM'T	=	PAVEMENT
DESIGN HIGH WATER LINE	R	=	RADIUS
DIAMETER DESIGN RATIO	RCP	=	REINFORCED CONCRETE PIPE
EAST	REQ'D	=	REQUIRED
	R/W	=	RIGHT OF WAY
EACH EDGE OF DAVENENT	S	=	SOUTH
	SCB	=	SIGNAL CONTROL BOX
	SDR	=	SIZE DESIGN RATIO
	SF	_	SOLLARE EFET /FOOT
FINISHED FLOUR	SHI DR	_	SHOLL DER
FIRE DEPARTMENT CONNECTION	SHWT	_	SEASONAL HIGH WATER TABLE
FLORIDA DEPARTMENT OF TRANS	SR	_	STATE ROUTE
	STD	_	STANDARD
	SO YD	_	SOLLARE YARD
	s/w	_	
		_	
		_	
GRADE BREAK	TRANS	_	
HURIZONTAL	TRANS	_	
		_	
		_	
INSTALLATION		_	
		_	
LAND SURVEYING BUSINESS		_	
	VV /	=	
		=	
ΜΑΧΙΜυΜ		=	WELDED WIKE FABRIC
		=	
	VERI	=	VERTICAL

SURVEY ABBREVIATIONS AND LEGEND:

Arc	(P)	=	Plat Data	
Aluminum	P.C.	=	Point of Curvature	
Building	P.C.C.	=	Point of Compound Curvature	
Bench Mark	P.C.P.	=	Permanent Control Point	
Calculated data	P.I.	=	Point of Intersection	
Chord dimension	P.K.	=	PARKER-KALON	
Concrete Block and Stucco	P.O.B.	=	Point of Beginning	
Concrete Monument	P.O.C.	=	Point of Commencement	
Concrete	P.O.L.	=	Point on Line	
Deed data	P.O.T.	=	Point of Terminus	
Department of Natural Resources	P.R.C.	=	Point of Reverse Curvature	
Department of Transportation	P.R.M.	=	Permanent Reference Monument	
Drainage	P.T.	=	Point of Tangency	
Description data	R.	=	Radius	
Elevation	R/W	=	Right—of—Way	
Easement	S.F.	=	Square Feet	
Finished Floor	Sta.	=	Station	
Found	T.B.M.	=	Temporary Bench Mark	
Invert	Тур.	=	Typical	
Iron Pipe	(U)	=	Unrecorded data	
Iron Rod	Ù.Ś.G.S.	=	United States Geodetic Survey	
Land Surveying Business	Util.	=	Utility	
Measured Data	WTWY		= Waterway	
North American Vertical Datum	\bigtriangleup	=	Delta	
National Geodetic Vertical Datum	¢	=	Centerline	
Official Records	Ē	=	Property Line	

Legend symbols are not to scale and are for graphic I.D. only.

4"x4"Concrete Monument	\overleftrightarrow	= Fire Hydrant	Road Sign
er noted if any) No. 5 Rebar	\bigcirc	= Sewer Cleanout	💓 = Light Pole
oted if any) PK Nail and Disc	ws	= Water Service	🗕 = Street Light Box
oted if any)	$\overline{\mathbb{W}}$	= Well/Monitor/Irrigation	्र = Ground Light
Elevation "x4"Concrete Monument with	SS	= Sanitary Sewer Manhole	•• = Backflow Preventer
o. 5 Rebar with Cap	$\overline{\mathbb{S}}$	= Storm Manhole	///= Overhead Utility Line
ag. Nail and Disc	MH	= Miscellaneous Manhole	$- \times - \times =$ Barb Wire or Wire Fence
Box			$-\Theta - \Theta = Chain Link Fence$
Pole	(ES)	= Electric Service	- BB = Wooden Fence
lire Anchor	(E)	= Electric Hand Hole/Manhole	-WTR = Buried Water Line
Meter	\mathbf{T}	- Telephone Riser /Hand Hole	-TEL = Buried Telephone Line
Valve	\bigcup		—SEW— = Buried Sanitary Sewer
Valve	CTV	= Cable TV	-ELEC- = Buried Electric Line

3



DATE	REVISION BY		DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY	
		405 Commercial Court Suite E Venice Elorida 34202	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHU
		Phone (941) 412-1293 Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK	
		Certificate of Authorization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	
				•				

JCK DEVER REGIONAL PARK - WALKING PATH	
AERIAL PHOTO PLAN	STATE OF FLORIDA NO. 45766



SOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY	
NEERS SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHU
93. Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD	
horization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	



 $\frac{\text{KEY MAP}}{\text{N.T.S.}}$

S

MATCH



<u>NOTE:</u> 1. ELEVATIONS ARE BASED ON N.A.V.D. 1988 2. CONVERSION FACTOR IS N.A.V.D. 29 - 1.15' = N.G.V.D. 88



SHEET No. UCK DEVER REGIONAL PARK - WALKING PATH ENGINEER OF RECORD KREG E. MAHEU, P.E. STATE OF FLORIDA NO. 45766 5 CONDITIONS PLAN (1) - EXISTING CRICKET FIELD



SOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY		
EERS SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH	
3. Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD		KREG E. MAHEU, P.E.
orization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	EXISTING CONDITIONS PLAN (2) - EXISTING MAINTENANCE YARD	STATE OF FLORIDA NO. 45766
							,



 APPROX. T.O.B.
 (EXISTING) APPROX. EDGE OF EX. WATER



<u>NOTE:</u> 1. ELEVATIONS ARE BASED ON N.A.V.D. 1988 2. CONVERSION FACTOR IS N.A.V.D. 29 - 1.15' = N.G.V.D. 88

TREE LEGEND: = CABBAGE PALM TREE (TRUNK DIAMETER NOTED) = SLASH PINE TREE (TRUNK DIAMETER NOTED) **}** ★ K \times = LIVE OAK TREE (TRUNK AND DRIP LINE DIAMETER NOTED) = GUMBO-LIMBO TREE (TRUNK DIAMETER NOTED) 21F

Existing Tree Table (as located on plans)

Troo Tuno	DBH	Canopy	Sheet
пеетуре	(in)	(ft)	No.
Pine	14	-	6
Gumbo-limbo	4	-	6
Oak	22	60	7
Oak	12	40	7
Oak	14	40	7
Pine	8	-	7
Pine	8	-	7
Pine	8	-	7
Pine	8	-	7
Pine	10	-	7
Pine	7	-	7
Pine	6	-	7
Pine	10	-	7
Pine	8	-	7
Pine	10	-	7
Palm	14	-	7
Palm	12	-	7
Palm	12	-	7
Palm	15	-	7
Palm	15	_	7
Palm	12	-	7

SHEET No.



SOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY		
NEERS ■ SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH	ENG
93, Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD		
horization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	EXISTING CONDITIONS PLAN (3) - EXISTING FOOTBALL FIELD WEST	STATE





NOTE: 1. ELEVATIONS ARE BASED ON N.A.V.D. 1988 2. CONVERSION FACTOR IS N.A.V.D. 29 - 1.15' = N.G.V.D. 88

TREE LEGEND:

721 F

- = CABBAGE PALM TREE (TRUNK DIAMETER NOTED)
- = SLASH PINE TREE (TRUNK DIAMETER NOTED)
- = LIVE OAK TREE (TRUNK AND DRIP LINE DIAMETER NOTED)
- = GUMBO-LIMBO TREE (TRUNK DIAMETER NOTED)

Existing Tree Table (as located on plans)

Tree Type	DBH	Canopy	Sheet
пеетуре	(in)	(ft)	No.
Pine	14	-	6
Gumbo-limbo	4	-	6
Oak	22	60	7
Oak	12	40	7
Oak	14	40	7
Pine	8	-	7
Pine	8	-	7
Pine	8	-	7
Pine	8	-	7
Pine	10	-	7
Pine	7	-	7
Pine	6	-	7
Pine	10	-	7
Pine	8	-	7
Pine	10	-	7
Palm	14	-	7
Palm	12	-	7
Palm	12	-	7
Palm	15	-	7
Palm	15	-	7
Palm	12	-	7

SHEET No.

	LINE TABLE							
LINE No.	LENGTH	DIRECTION						
L101	2.30	S00° 20' 34.42"E						
L102	19.77	S36 02 29.53 W						
L103	36.07	S89° 43' 59.88"W						
L104	78.43	S49° 11' 44.44"W						
L105	110.51	N85° 43' 17.46"W						
L106	75.94	N55° 24' 10.71"W						
L107	32.38	N22 51' 53.40"W						
L108	344.57	N00°48'57.23"W						
L109	0.89	N63° 41' 14.61"E						
L201	1.88	N56 [•] 46' 58.18"W						
L202	22.35	N14°00'37.75"W						
L203	125.10	N04° 17' 13.94"W						
L301	202.07	N00° 54' 53.40"W						
L302	91.32	N00° 54' 53.40"W						
L303	64.07	N00°01'22.43"W						
L304	68.14	S89• 37' 55.24"E						
L305	6.08	S40° 32' 51.61"E						
L306	2.95	S65° 45' 13.97"E						
L307	22.08	N77° 20' 34.00"E						
L308	13.51	S81° 59' 41.82"E						
L309	5.66	S65 31' 55.14"E						
L401	66.03	S03° 17' 10.08"W						
L402	141.57	N89° 51' 19.10"W						
L403	38.01	N25* 48' 44.18"W						
L404	32.74	N00° 04' 17.33"E						
L405	3.05	N11° 45' 19.10"W						
L406	210.37	N00 [•] 32' 48.48"E						
L407	126.84	N90° 00' 00.00"E						
L408	14.66	S02° 45' 27.37"W						
L409	7.70	S13° 27' 14.77"E						
L410	7.40	S17° 30' 56.58"W						
L411	1.82	S12 16' 19.54"E						
L412	3.74	S01° 32' 01.67"E						
L413	19.05	S87° 21' 32.33"E						

		CURV	E TABLE
CURVE No.	RADIUS	LENGTH	CHORD DIRECTION
C101	10.00	6.35	S17° 50' 57.55"W
C102	15.00	14.06	S62 53 14.70"W
C103	55.00	38.91	S69° 27' 52.16"W
C104	55.00	43.28	S71° 44' 13.49"W
C105	55.00	29.10	N70° 33' 44.08"W
C106	55.00	31.23	N39°08'02.05"W
C107	55.00	21.17	N11° 50' 25.32"W
C108	20.00	22.52	N31°26'08.69"E
C201	10.00	7.47	N35° 23' 47.97"W
C202	475.00	80.61	N09°08'55.85"W
C301	25.00	39.44	N45° 10' 21.17"E
C302	54.00	46.26	S65° 05' 23.42"E
C303	111.00	48.83	S53° 09' 02.79"E
C304	37.00	23.83	S84* 12' 19.99"E
C305	160.00	57.70	N87° 40' 26.09"E
C306	350.00	100.57	S73° 45' 48.48"E
C401	30.00	45.48	S46° 42' 55.49"W
C402	24.00	26.83	N57° 50' 01.64"W
C403	44.00	19.88	N12° 52' 13.43"W
C404	200.00	41.28	N05° 50' 30.89"W
C405	186.00	39.94	N05° 36' 15.31"W
C406	48.21	75.27	N45° 16' 24.24"E
C407	24.00	38.85	S43° 37' 16.31"E
C408	93.00	26.31	S05° 20' 53.70"E
C409	30.00	16.22	S02 01' 50.90"W
C410	80.00	41.59	S02° 37' 18.52"W
C411	190.00	35.61	S06° 54' 10.61"E
C412	10.00	14.98	S44° 26' 47.00"E

DATE	REVISION	BY		DATE 11	1/20/23	CKD. BY	DATE		CHARLOTTE COUNTY	
			405 Commonsial Count Suite E Varias Florida 24202	DRAWN R	RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHU
			Phone (941) 412-1293 Fax (941) 412-1043	DESIGN K	KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD	
			Certificate of Authorization No. 3943	SCALE @	24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	HORIZONTAL G

	PIPE SCHEDULE						
Pipe Name	Length *	Description	From Structure	Inv. EL.	To Structure	Inv. EL.	
P-1	14	(3) 8" SCH 80 PVC PIPES	MES-1	12.78	MES-2	12.35	
P-2	20	(3) 8" SCH 80 PVC PIPES	MES-4	12.10	MES-3	13.94	
P-3	15	(3) 8" SCH 80 PVC PIPES	MES-6	12.65	MES-5	13.28	
P-4	13	(3) 8" SCH 80 PVC PIPES	MES-7	14.45	MES-8	14.29	
P-5	13	(3) 8" SCH 80 PVC PIPES	MES-9	14.98	MES-10	14.80	
P-6	13	(3) 8" SCH 80 PVC PIPES	MES-11	14.64	MES-12	14.44	
P-7	13	(3) 8" SCH 80 PVC PIPES	MES-14	15.00	MES-13	15.20	
P-8	13	(3) 8" SCH 80 PVC PIPES	MES-16	14.32	MES-15	14.50	

	STRUCTURES SCHEDULE								
Structure No.	Description	Invert Elevations	Northing	Easting					
MES-1	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 12.78	939568.170	553254.550					
MES-2	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 12.35	939562.447	553241.591					
MES-3	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 13.94	939728.551	553236.015					
MES-4	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 12.10	939728.251	553216.222					
MES-5	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 13.28	939919.597	553233.287					
MES-6	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 12.65	939919.327	553218.317					
MES-7	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.45	940140.059	553226.653					
MES-8	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.29	940138.303	553213.521					
MES-9	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.98	940719.924	553213.285					
MES-10	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.80	940729.709	553204.277					
MES-11	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.64	940668.233	553394.337					
MES-12	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.44	940681.468	553395.313					
MES-13	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 15.20	941636.929	553687.284					
MES-14	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 15.00	941623.678	553687.260					
MES-15	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.50	942047.743	553523.300					
MES-16	(3) 8" PIPE MITERED END SECTION (4:1 SLOPE)	INV = 14.32	942054.005	553511.521					

DELTA							
036•	23'	04"					
053 °	41'	30"					
040 °	32'	15"					
045 '	04'	58"					
030	19'	07"					
032 °	32'	17 "					
022 '	02'	56"					
064	30'	12"					
042	46'	20"					
009	43'	24"					
090	23'	27"					
049 °	05'	04"					
025 '	12'	22"					
036•	54'	12"					
020 '	39'	44"					
016 °	27 '	47"					
086	51'	31"					
064 °	02'	35"					
025 '	53'	02"					
011 °	49'	36"					
012 °	18'	08"					
089	27 '	12"					
092	45'	27"					
016*	12'	42"					
030	58'	11"					
029	47 '	16"					
010°	44'	18"					
085	49'	31"					



JCK DEVER REGIONAL PARK - WALKING PATH		SHEET No.	
GEOMETRY TABLES AND STORMWATER SCHEDULES	STATE OF FLORIDA NO. 45766	0	





ATE	REVISION	BY	ENGINEERS SURVEYORS	DATE 11/20/23	CKD. BY DATE		CHARLOTTE COUNTY PARKS & NATURAL RESOURCES	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH		SHEET No
			405 Commercial Court, Suite E Venice, Florida 34292 Rhope (041) 412 1203 Eax (041) 412 1043	DESIGN KEM	KEM 02/14/	25 CHARLOTTE COUNT	ANN AND CHUCK DEVER REGIONAL PARK		ENGINEER OF RECORD KREG E. MAHEU, P.E.	I G
			Certificate of Authorization No. 3943	SCALE @ 24"x36"	DMK NO. 23-014	10 FLORIDA	ENGLEWOOD, FL 34224	GRADING AND DRAINAGE PLAN AND PROFILE (1)	STATE OF FLORIDA NO. 45766	
					· · ·	·	· · · · · · · · · · · · · · · · · · ·			

SOUTH-1 SCALE: H:1"=20'; V:1"=2'



18+84.07

(17.5± M.E.



19			00.00				00.00	2		
18			0+50	6.40			31+(15.7:		
17			1: 3	.: 15			÷	:-::		
16			ے ا				<u> </u>		1.7	3% -
15		-0.62%-			0.6	4 % 	/			
14		30+0	0.00							
13	EL.:	15.71								
12										
11										
10										
30+	-00	·					31-	-00		

DATE REVISION BY	ASSOCIATES ENGINEERS SURVEYORS	DATE 11/20/23 DRAWN RMS	CKD. BY DD 0	DATE 02/14/25		CHARLOTTE COUNTY PARKS & NATURAL RESOURCES	ANN & CH
	Phone (941) 412-1293, Fax (941) 412-1043 Certificate of Authorization No. 3943	DESIGN KEM SCALE @ 24"x36"	KEM0DMK NO.2	02/14/25 23-0140	FLORIDA	6791 SAN CASA BOULEVARD ENGLEWOOD, FL 34224	GRAD

UCK DEVER REGIONAL PARK - WALKING PATH		
DING AND DRAINAGE PLAN AND PROFILE (2)	STATE OF FLORIDA NO. 45766	



NEERS SUBVEYORS DRAWN RMS DD 02/14/25 Vite E Venice, Florida 34292 DESIGN KEM KEM 02/14/25 03, Fax (941) 412-1043 SCALE @ 24"x36" DMK NO. 23-0140 Image: Charlot Te Country No norization No. 3943 MK NO. 23-0140 Image: Charlot Te Country ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH Main of the country Charlot Te Country PARKS & NATURAL RESOURCES ANN AND CHUCK DEVER REGIONAL PARK - WALKING PATH 03, Fax (941) 412-1043 DESIGN KEM KEM 02/14/25 Charlot Te Country No norization No. 3943 SCALE @ 24"x36" DMK NO. 23-0140 Image: Charlot Te Country PARKS & NATURAL RESOURCES No norization No. 3943 SCALE @ 24"x36" DMK NO. 23-0140 Image: Charlot Te Country PARKS & NATURAL RESOURCES ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH Image: Charlot Te Country PARKS & NATURAL RESOURCES ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH Image: Charlot Te Country Image: Charlot Te Country PARKS & NATURAL RESOURCES ANN & CHUCK DEVER REGIONAL PARK - WALKING PARK - WA	SOCIATES	DATE 11/20/23	CKD, BY	DATE				1	SHEET No.
Design Kem Kem 02/14/25 O3, Fax (941) 412-1043 Design Kem Kem 02/14/25 Charlotte County ANN AND CHUCK DEVER REGIONAL PARK G791 SAN CASA BOULEVARD G791 SAN CASA BOULEVARD G791 SAN CASA BOULEVARD GRADING AND DRAINAGE PLAN AND PROFILE (3) Interest of Florida No. 45766		DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH		
horization No. 3943 SCALE @ 24"x36" DMK NO. 23-0140 FLORIDA ENGLEWOOD, FL 34224 GRADING AND DRAINAGE PLAN AND PROFILE (3)	uite E Venice, Florida 34292 93. Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD		KREG E. MAHEU, P.E.	11
	horization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	GRADING AND DRAINAGE PLAN AND PROFILE (3)	STATE OF FLORIDA NO. 45766	





PLICANT:	CHARLOTTE CO. BOARD OF COUNTY COMMISSIONE 18500 MURDOCK CIRCLE #536 PORT CHARLOTTE, FL 33948
:	DMK ASSOCIATES, INC. 421 COMMERCIAL COURT, STE. C VENICE, FL 34292
PROJECT:	WALKING PATH DESIGN - ANN AND CHUCK DEVER REGIONAL PARK
#:	412009181010
ADDRESS:	6791 SAN CASA DRIVE
REA:	8.25 AC.±
	RE1, RMF5
ND USE:	PUBLIC LANDS & FACILITIES
NE:	Х



405 Confinencial Court, Suite E Venice, Fiolida 34292 Phone (941) 412-1293, Fax (941) 412-1043 Certificate of Authorization No. 3943 DESIGN KEM KEM 02/14/25 SCALE @ 24"x36" DMK NO. 23-0140 FLORIDA





SOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY			SHEET No.
NEERS ■ SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH		
93, Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD		KREG E. MAHEU, P.E.	14
horization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	BEST MANAGEMENT PRACTICES PLAN (2)	STATE OF FLORIDA NO. 45700	

NOTES:

- IF DEWATERING IS REQUIRED, THE GROUND WATER PRODUCED SHALL BE RETAINED ONSITE UNLESS A DISCHARGE PERMIT IS OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
- 2. WATER POLLUTION CONTROL CODE SECTION 54-187f, PROHIBITS UNAUTHORIZED DISCHARGES TO THE STORMWATER SYSTEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADD ADDITIONAL BEST MANAGEMENT PRACTICES (BMP) DEVICES AS DEEMED NECESSARY.
- 3. THE OPERATOR SHALL ENSURE THAT ADJACENT PROPERTIES ARE NOT IMPACTED BY WIND EROSION, OR EMISSIONS OF UNCONFINED PARTICULATE MATTER IN ACCORDANCE WITH RULE 62-296.320(4)(c)1, F.A.C., BY TAKING APPROPRIATE MEASURES TO STABILIZE AFFECTED ARÈÁS.
- THE CONTRACTOR SHALL PROVIDE THE COUNTY WITH A COPY OF THE CERTIFIED NPDES STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BEFORE SITE WORK BEGINS.

NOTE: LOCATION OF SILT SCREEN FENCE IS SCHEMATIC AND NOT TO BE USED FOR STAKE OUT PURPOSES.

SPECIFICATIONS FOR CONCRETE SIDEWALKS

1. THE CONTRACTOR SHALL OBTAIN A CHARLOTTE COUNTY RIGHT OF WAY USE PERMIT PRIOR TO CONSTRUCTIONS OF SIDEWALKS WITHIN THE COUNTY RIGHT OF WAY.

2. SIDEWALKS WITHIN THE CHARLOTTE COUNTY RIGHT OF WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS AND DETAILS.

3. MINIMUM SIDEWALK WIDTH SHALL BE SIX FEET (6').

4. ALL SIDEWALK RAMPS, CURB RAPS AND TACTILE (DETECTABLE) WARNING SURFACES SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITY ACT (REVISED 1994).

5. PRIOR TO PLACING CONCRETE SIDEWALK THE SUBGRADE SHALL BE STABILIZED WITH COMMERCIAL STABILIZING MATERIAL TO A DEPTH OF EIGHT INCHES (8") TO PROVIDE A FIRM AND UNYIELDING BASE, ACHIEVING A MINIMUM LIMEROCK BEARING RATION (LBR) OF 40. THE STABILIZED SUBGRADE SHALL EXTEND SIX INCHES (6") BEYOND THE SIDEWALK ON EITHER SIDE. NO SIDEWALK CONCRETE SHALL BE PLACED UNTIL THE SUBGRADE HAS BEEN ACCEPTED BY THE COUNTY.

6. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED TO A MINIMUM THICKNESS OF FOUR INCHES (4"), EXCEPT ACROSS COMMERCIAL ACCESSES, WHERE THEY SHALL BE A MINIMUM THICKNESS OF SIX INCHES (6"), USING PORTLAND CEMENT CONCRETE WITH A MINIMUM TWENTY-EIGHT DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I.

7. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE THE COUNTY WITH THE APPROPRIATE COMPRESSIVE STRENGTH TEST RESULTS.

8. THE CONCRETE SHALL BE REINFORCED WITH EITHER FIBER MESH OR WIRE MESH. FIBER MESH WILL BE MIXED IN ACCORDANCE TO STANDARDS SET FORTH IN ASTM C-1116. REINFORCING FIBERS SHALL BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AS TO THE TYPE AND AMOUNT FOR UNIFORM DISTRIBUTION. ONLY FIBERS SPECIFICALLY DESIGNED AND MANUFACTURES FOR USIN IN CONCRETE AND SO CERTIFIED BY THE MANUFACTURER SHALL BE ACCEPTABLE. WIRE MESH REINFORCEMENT SHALL BE 6" X 6" #10 MESH, SUPPORTED ON APPROPRIATE

9. EXPANSION JOINTS SHALL BE PROVIDED BETWEEN EXISTING SIDEWALKS AND CURBS OR DRIVEWAYS AND AT INTERSECTIONS BETWEEN SIDEWALK AND OTHER FIXED OBJECTS, AT INTERVALS, AT NEW POURS, AT ALL COLD JOINTS AND AT THE INTERSECTION OF THE SIDEWALK WITH ASPHALT PAVEMENT. THE SPACING FOR CONTRACTION/COLD JOINTS SHALL BE EQUIVALENT TO THE SIDEWALK WIDTH. EXPANSION JOINTS SHALL BE SPACED NO GREATER THAN 32 FEET APART AND AT AN EVEN JOINT. TOOLED JOINTS SHALL BE STRAIGHT AND PERPENDICULAR TO THE EDGE OF THE SIDEWALK. THE CONTRACTOR SHALL USE EXPANSION JOINT CAPS WITH REMOVABLE CAP STRIPS AS MANUFACTURED BY VINYLEX CORPORATION OR EQUIVALENT APPROVED. EXPANSION JOINT SEALER SHALL BE SIKAFLEX 1CSL AS MANUFACTURED BY SIKA USA OR EQUIVALENT APPROVED. EXPANSION JOINT SEALER SHALL NOT BE PLACED IN THE DEPTHS GREATER THAN 34" AT ANY ONE (1) TIME. IF THE JOINT REQUIRES GREATER THAN ³/₄" OF JOINT SEALER, THE CONTRACTOR SHALL PLACE THE MATERIAL IN TWO (2) PLACEMENTS, ONLY AFTER THE FIRST PLACEMENT HAS SUFFICIENTLY CURED. ALL REMOVABLE CAP STRIPS SHALL BE PLACED ABOVE THE FINISHED SIDEWALK SURFACE AND SHALL NOT BE TOOLED OVER. THE REMOVABLE CAP STRIPS SHALL BE PULLED AND FILLED WITH JOINT SEALER WITHIN 24 HOURS OF THE PLACEMENT OF THE CONCRETE.

10. WHERE THE SIDEWALK MEETS PAVEMENT INCLUDING PUBLIC ROADS AND DRIVEWAYS, THE CONTRACTOR SHALL SAW CUT EDGE OF THE EXISTING PAVEMENT AND PROVIDE A THICKENED SURFACE.

11. THE CONTRACTOR SHALL PROVIDE TACTILE (DETECTABLE) WARNING SURFACES PER FDOT INDEX NO 522-002 & FDOT SPECIFICATIONS SECTION 527.

12. CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE REQUIREMENTS OF FDOT SPECIFICATIONS SECTION 520-8.

13. ALL SIDEWALKS DESIGNED WITH A CROSS SLOPE OF 1.50%. IN NO INSTANCE SHALL AS-BUILT CROSS SLOPE EXCEED 2.0% PER A.D.A.

ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH

SIDEWALK SPECIFICATIONS AND DETAILS

SHEET No

Phone (941) 412-1293, Certificate of Autho

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BOCIATES	DATE 11/20/23	CKD. BY	DATE		CHARLOTTE COUNTY	
EERS SURVEYORS	DRAWN RMS	DD	02/14/25		PARKS & NATURAL RESOURCES	ANN & CH
3. Fax (941) 412-1043	DESIGN KEM	KEM	02/14/25	CHARLOTTE COUNTY	ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD	
prization No. 3943	SCALE @ 24"x36"	DMK NO.	23-0140	FLORIDA	ENGLEWOOD, FL 34224	

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SCALE: 1" = 5.0' (HORIZONTAL) 1" = 2.5' (VERTICAL) 2:1 VERTICAL EXAGGERATION

ELEVATIONS SHOWN ARE N.A.V.D. 88

405 Commercial Court, S Phone (941) 412-1293 Certificate of Author

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PROJECT NAME:	FR
PROJECT MANAGER:	La
ENGINEER:	Dľ
CONTRACTOR:	Сс

County Commissioners:

KEN DOHERTY	DISTRICT 1
CHRISTOPHER CONSTANCE	DISTRICT 2
BILL TRUEX	DISTRICT 3
STEPHEN R. DEUTSCH	DISTRICT 4
JOE TISEO	DISTRICT 5

DATE	REVISION	BY	405 Commercial Court, Suite E Venice, Florida 34292	DATE 11/20/23 DRAWN RMS	CKD. BY DD	DATE 02/14/25	5	CHARLOTTE COUNTY PARKS & NATURAL RESOURCES ANN AND CHUCK DEVER REGIONAL PARK 6791 SAN CASA BOULEVARD ENGLEWOOD, FL 34224	ANN & CHUCK DEVER REGIONAL PARK - WALKING PATH	ENGINEER OF RECORD	SHEET No.
			Phone (941) 412-1293, Fax (941) 412-1043 Certificate of Authorization No. 3943	DESIGN KEM SCALE @ 24"x36" D	KEM DMK NO.	KEM 02/14/25 DMK NO. 23-0140	FLORIDA		SIGN DETAILS	 KREG E. MAHEU, P.E. STATE OF FLORIDA NO. 45766 	22

RANZ ROSS PARK – ANN AND CHUCK DEVER **REGIONAL PARK**

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MK Associates

Contractor

<u>PROJECT SIGN DETAILS</u>

1. SIGN LOCATION SHALL BE COORDINATED WITH COUNTY PROJECT MANAGER PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE SUBMITTAL TO COUNTY PRIOR TO ORDERING. 2. ALL PROJECT SIGN COST SHALL BE INCLUDED IN THE BID FOR PROJECT SIGN. 3. OVERALL SIZE SHALL BE 60" x 36", MOUNTED ON 4X4 WOODEN POSTS.