INDIAN RIVER COUNTY, FLORIDA SOLID WASTE DISPOSAL DISTRICT PHASE II - CELL 3 INDIAN RIVER COUNTY LANDFILL **CONSTRUCTION DRAWINGS** DECEMBER 2023





INDIAN RIVER COUNTY LANDFILL



1325 74th AVENUE SW VERO BEACH, FLORIDA 32968 USA (772) 770-5112

VICINITY MAP



GEOSYNTEC CONSULTAN

consultants

1200 RIVERPLACE BLVD. SUITE 710 JACKSONVILLE, FLORIDA 32207 (904) 858-1818

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	-	12/13/2023			ISSUI	E FOR BID			JJV	KBT	
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		PHONE: 904	1.858.1818 - FA	X: 904.396.1143			VERO BEA	ONE: 772.770.5112	168 USA 2		
	TITLE:	CERTIFICATI		2411010 100. 4321							
					TITLE	SHEET					
NTS	PROJECT:			PHASE II	- CELL	3 CONSTRUC	CTION				
	SITE:			INDIAN F	RIVER C	OUNTY LANE	DFILL				F
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	GENERAL NOTES:		
	1. THE SCOPE OF THE WORK INCLUDES THE I - CLEARING, GRUBBING, AND/OR STRIPPIN	FOLLOWING: IG THE CONSTRUCTION ARE	A AS DIRECTED I
	- USE OF APPROPRIATE DUST CONTROL M	IEASURES DURING EARTHW	ORK OPERATION
	- FURNISH MATERIALS FOR GENERAL/STR SUBBASE GRADES SHOWN ON THE CONS	UCTURAL FILL THAT MEETS STRUCTION DRAWINGS;	THE TECHNICAL
	- PROOFROLLING OF COMPACTED OR PRE	PARED LINER SUBBASE SUF	RFACE PRIOR TO
	- CONSTRUCTION OF CELL 3 - SEGMENT 3	EXPANSION DOUBLE LINER	SYSTEM, INCLUD
	- CONSTRUCTION OF EROSION AND SEDIM SILT FENCE) AS NECESSARY TO FACILITA	MENT CONTROL STRUCTURE ATE CONSTRUCTION AND MI	S (INCLUDING S
	- CLEARING, GRUBBING, EXCAVATION, I PREVIOUSLY MENTIONED COMPONENTS	3ACKFILLING, COMPACTION OF PHASE II CELL 3 - SEGME	I, GRADING, AN ENT 3 EXPANSION
	2. HORIZONTAL COORDINATES VALUES ARE EAST ZONE.	BASED UPON THE NORTH /	AMERICAN DATA
	3. CONTOURS AND SPOT ELEVATION ARE BAS	SED ON THE NATIONAL GEOD	DETIC VERTICAL
	4. THE CONTRACTOR SHALL ABIDE BY THE SI	TE HEALTH AND SAFETY PLA	۸N.
	5. THE CONTRACTOR SHALL PERFORM ALL S THE STATE OF FLORIDA.	SURVEYING FOR CONSTRUC	TION CONTROL
	6. LOCATION OF ALL UTILITIES, STRUCTURES OF THESE DRAWINGS. CONTRACTOR SHAL LINE (EGL) AND EXISTING FORCE MAIN (EFM	AND OTHER FEATURES ARE L VERIFY THE EXISTING CON M).	E SHOWN ACCOF
	7. THE CONTRACTOR SHALL ESTABLISH ON S	ITE OFFICE AND PERSONNE	L FACILITIES AND
	8. THE CONTRACTOR SHALL INFORM THE OW WHICH MAY AFFECT THE DESIGN GRADES FIELD CONDITIONS SHALL BE AT THE APPR	/NER'S REPRESENTATIVE OF PRESENTED IN THESE DRA OVAL OF THE ENGINEER.	⁻ ANY CHANGES WINGS. ANY MOI
	9. THE CONTRACTOR SHALL INFORM THE DRAWINGS PRIOR TO PROCEEDING WITH A	OWNER'S REPRESENTATIVE	E OF ANY DISCI Y IN AREAS THA
	10. THE CONTRACTOR SHALL INFORM THE O DESIGN GRADES PRESENTED ON THESE ENGINEER.	WNER'S REPRESENTATIVE DRAWINGS. ANY MODIFICA	OF ANY FIELD C TION TO THE DE
	11. THE CONTRACTOR SHALL DISCUSS LOC CONSTRUCTION.	CATION OF MATERIALS STO	CKPILES WITH
	12. THE CONTRACTOR SHALL BE RESPONSIB ACTIVITIES INCLUDED IN THIS PROJECT. T MATERIAL STOCKPILE AREAS.	LE FOR CONSTRUCTION ANI	d maintenance E responsible
	13. THE CONTRACTOR SHALL BE RESPONSIE CONTROL SURFACE WATER RUNOFF FROM MUST BE APPROVED BY THE OWNER'S REF	3LE FOR CONSTRUCTION OF M SURROUNDING AREAS ON PRESENTATIVE PRIOR TO TH	⁻ TEMPORARY D JTO THE CONSTI E CONSTRUCTIO
	14. DETAILS ARE SHOWN TO SCALE AS NO THICKNESSES ARE MINIMUMS, AND TOLE ASSURANCE (CQA) PLAN.	TED EXCEPT FOR GEOSYN RANCES SHALL BE WITHIN	THETICS, WHICH THE LIMITS GIVE
	15. THE 3H:1V SIDESLOPE AND BASE OF PH SUBBASE LAYER (THIS WILL REQUIRE REC HDPE_GEOMEMBRANE: (4) SECONDARY	IASE II CELL 3 SHALL HAVE GRADING AND SITE PREPAR, GEOCOMPOSITE DRAINAGE	A LINER SYSTE ATION ONLY); (2) LAYER: (5) PR

16. THE NONWOVEN GEOTEXTILE SHALL BE SEAMED USING TERASYN SUPPLIED BY ATLANTIC THREAD & SUPPLY CO., INC. (1-800-847-1001) OR APPROVED EQUAL. THE THREAD AND SEAM SHALL PROVIDE A MINIMUM SEAM STRENGTH OF 220 LB/IN.

17. THE THICKNESS OF THE LINER PROTECTIVE LAYER SHALL BE 2 FT MINIMUM ON THE 3H:1V SIDESLOPE AND AT THE BASE OF PHASE II CELL 3. MEASUREMENTS OF LINER PROTECTIVE LAYER THICKNESS SHALL BE BASED ON BEFORE AND AFTER SURVEYS CONDUCTED BY A REGISTERED LAND SURVEYOR IN THE STATE OF FLORIDA. THE BEFORE SURVEY FOR THE LINER PROTECTIVE LAYER SHALL BE THE TOP OF PRIMARY GEOCOMPOSITE DRAINAGE LAYER SURVEY.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF DEBRIS THAT RESULT FROM CONSTRUCTION ACTIVITIES INCLUDED IN THIS PROJECT, AT THE COMPLETION OF THE PROJECT, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, AND AT NO COST TO THE OWNER.

19. CONSTRUCTION MUST BE CONSISTENT WITH THE PERMIT ISSUED BY THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT FOR INDIAN RIVER COUNTY LANDFILL. THE ENGINEER MUST CERTIFY EACH PHASE OF CONSTRUCTION.

20. THE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS, THE CONSTRUCTION QUALITY ASSURANCE PLAN, AND THE CONSTRUCTION DRAWINGS PRIOR TO THE COMMENCEMENT OF THE PROJECT. THE CONTRACTOR SHALL INFORM THE OWNER'S REPRESENTATIVE IN WRITING OF ANY CONCERNS ABOUT THE INFORMATION PRESENTED IN THESE DOCUMENTS. FAILURE TO NOTIFY THE OWNER'S REPRESENTATIVE OR CONTINUANCE WITH CONSTRUCTION ACTIVITIES WILL BE CONSTRUED AS CONTRACTOR'S ACCEPTANCE OF THE INFORMATION PRESENTED IN THESE DOCUMENTS.

21. NECESSARY BARRICADES, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS NEEDED FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE CONSTRUCTION ALONG INTERIOR ROADWAYS.

NS;

_ SPECIFICATIONS, PLACEMENT AND COMPACTION TO THE TOP OF LINER

D PLACEMENT OF THE GEOSYNTHETICS LINER;

DING ANCHOR TRENCH AND TEMPORARY INTERCELL BERM/RAIN FLAPS; SILT CHECK DAMS, STRAW BALE BARRIERS IN PERIMETER DITCHES, AND N DURING STORM EVENTS; AND

ND PROOFROLLING NECESSARY TO FACILITATE CONSTRUCTION OF DN.

A OF 1983 (NAD83), ADJUSTED TO 1999 COORDINATE SYSTEM, FLORIDA

DATUM OF 1929 (NGVD29).

UNDER THE SUPERVISION OF A LICENSED SURVEYOR REGISTERED IN

ORDING TO THE INFORMATION AVAILABLE AT THE TIME OF PREPARATION OCATE ALL UNDERGROUND UTILITIES INCLUDING THE EXISTING GRAVITY

D SHALL BE RESPONSIBLE FOR UTILITY CONNECTIONS.

S IN FIELD CONDITIONS SINCE THE DATE OF THE AERIAL PHOTOGRAPHY, DDIFICATION TO THE DESIGN GRADES AS A RESULT OF THE CHANGES IN

CREPANCIES IDENTIFIED IN THE INFORMATION PRESENTED IN THESE AT DISCREPANCIES HAVE BEEN IDENTIFIED.

CONDITION THAT MAY IMPEDE THE CONTRACTOR FROM ACHIEVING THE ESIGN GRADES SHALL BE AT THE APPROVAL OF THE OWNER OR THE

THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF

E OF TEMPORARY ROADS AT THE SITE NECESSARY FOR CONSTRUCTION E FOR CONSTRUCTION OF TEMPORARY CROSSING TO THE EXCAVATED

DIVERSION BERMS, BEYOND WHAT IS SHOWN ON THESE DRAWINGS, TO FRUCTION SITE. THE LOCATION AND DIMENSIONS OF DIVERSION BERMS ON OF DIVERSION BERMS.

H ARE SHOWN AT AN EXAGGERATED SCALE FOR CLARITY. MATERIAL /EN IN THE TECHNICAL SPECIFICATIONS AND CONSTRUCTION QUALITY

15. THE 3H:1V SIDESLOPE AND BASE OF PHASE II CELL 3 SHALL HAVE A LINER SYSTEM CONSISTING, FROM BOTTOM TO TOP, OF: (1) 6-IN THICK PREPARED SUBBASE LAYER (THIS WILL REQUIRE REGRADING AND SITE PREPARATION ONLY); (2) GEOSYNTHETIC CLAY LINER; (3) SECONDARY 60-MIL THICK TEXTURED HDPE GEOMEMBRANE; (4) SECONDARY GEOCOMPOSITE DRAINAGE LAYER; (5) PRIMARY 60-MIL THICK TEXTURED HDPE GEOMEMBRANE; (6) PRIMARY GEOCOMPOSITE DRAINAGE LAYER; AND (7) 2-FT THICK MINIMUM LINER PROTECTIVE LAYER.

FOR BIDDING PURPOSE

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	TITLE:				GENER						
					GLINEIN	AL NOTES					
	PROJECT:			PHASE	II - CELL	3 CONSTRU	CTION				
	SITE:			INDIAN	RIVER C	COUNTY LAN	DFILL				F
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	7	8		
		LEGEND		
		 EXISTING GROUND ELEVATION (FEET, NGVD) 		
		PAVED ROAD		
	====	UNPAVED ROAD		
	CTTTTTTP	TREE LINE		
-N-	·			
	N 1178500	- STATE PLANE COORDINATES		
	<u>— wm</u>	— EXISTING WATERMAIN		
	EGL	- EXISTING GRAVITY LINE		
	EFM	— EXISTING FORCEMAIN		
	• MH 9	EXISTING MANHOLE		
EGL EGL	• 191	EXISTING GROUNDWATER MONITOR	RING WELL	
- ON-SITE CONTRACTOR				
EFM				
	E	BENCHMARKS		
	N 1180340.70 E 8	322176.15 ELEV. 30.00		
	N 1179113.43 E 8	322185.94 ELEV. 27.31		
NOTES:				
1. TOP	GRAPHIC INFORMATION OUTSIDE TH	E ACTIVE LANDFILL AREA WAS OBTAINED	FROM	
2. EXIS	ING WASTE ELEVATION WAS OBTAIN	ED FROM SURVEY PREPARED BY ALERT	5 SEMIDER 2022.	
INTE BY A	NATIONAL & MASTELLER, MOLER & T EA OF INTEREST SOLUTIONS, INC.	AYLOR INC., DATED NOVEMBER 2021, AN	DCERTIFIED	
3. THE	RADES SHOWN FOR CELLS 3 AND 4 I	S THE PHASE 1 SITE PREP ASBUILT SURV	/EY	
4. 5. THE	IORIZONTAL COORDINATE VALUES AF	RE BASED UPON THE NORTH AMERICAN I	DATA OF 1983	
(NAE	3), ADJUSTED TO 1999 COORDINATE	SYSTEM, FLORIDA EAST ZONE.		
6. CON OF 1	OURS AND SPOT ELEVATION ARE BAS 29 (NGVD29).	SED ON THE NATIONAL GEODETIC VERTION	CAL DATUM	
TIVE)	0	120' 240'		
	S	CALE IN FEET		
- 12/13/2	23	SSUE FOR BID	JJV	КВТ
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CERTIF TITLE:	ATE OF AUTHORIZATION NO. 4321	PHONE: 772.7	70.5112	
	EXISTING S	SITE CONDITIONS		
PROJECT:	PHASE II - CEI	1.3 CONSTRUCTION		
SITE:				
	INDIAN RIVEF	R COUNTY LANDFILL		
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That				LEGEND			_
			110	EXISTING GROUND E	ELEVATION (FEET, N	IGVD)	
	Ц		[35]	PROPOSED TOP OF	LINER PROTECTIVE	LAYER ELEVA	TION
VM WM WM	[(FEET, NGVD)			
	\bigcirc		35	PERIMETER ELEVAT	ION (PHASE I GRAD	ES) (FEET, NG\	/D) A
EFM EFM EFM				PAVED ROAD			
		 -N-		EXISTING PERIMETE	R ROAD AND UNPA	VED ROAD	
	- <u>-</u>	Î	N 1178500 E 824000	STATE PLANE COOR	RDINATES		
<u></u>			WM	EXISTING WATERMA	٨N		
			EGL EGL	EXISTING GRAVITY I	INF		
			· · · · · · · ·				—
			· · · · · · · ·	PERIMETER CHANNE	EL BOTTOM		
G PAVED ENTRANCE ROAD				PROPOSED LEACHA	TE GRAVITY PIPE		
			LCS	PROPOSED LEACHA	TE COLLECTION SY	STEM (LCS) PIF	PE
				PROPOSED LEACHA	TE DETECTION SYS	TEM (LDS) PIPE	=
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24							
26							
28		NOTES:					
20		1. TOPOG	RAPHIC INFORMATION OUTSID	E THE ACTIVE LANDFIL	L AREA WAS OBTAII	NED FROM	
-30		SURVE	Y PREPARED BY ALERT 5 INTER	RNATIONAL & MASTELL	ER, COMPLETED IN	DECEMBER 20	22.
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		3. CONTO	URS AND SPOT ELEVATION AR	E BASED ON THE NATIO	ONAL GEODETIC VE	RTICAL DATUM	1
		OF 1929	9 (NGVD29).				
		4. GRADE	S SHOWN HERE ARE THE TOP	OF LINER SUBBASE. TH	IESE WERE COMPLE	ETED ASPART (OF
-28		PHASE	I CELL 3-4 CONSTRUCTION. CO	NTRACTOR SHALL US	E AS_BUILT DRAWIN	IGS TO VERIFY	
-26		PREPAR	RATION (FILL OR CUT) TO MEET	THE PROPOSED GRAI	DES SHOWN HEREIN	ND SHE I.	
-24							
		5. CONST					
		CLEARA	ANCE BETWEEN TOP OF ACCES	S ROAD AND CULVER	TANDARD 515. 24 ΙΝα Γ SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	_
11		CLEARA SHOULI	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	SS ROAD AND CULVER	TANDARD 515. 24 IN T SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	_
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		CLEARA SHOULI 12/13/2023 DATE CCC 1200 RIVERPLAC JACKSONVILI PHONE: 904.856 CERTIFICATE OF	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' CALE IN FEET ISSUE FOR BID DESCRIPTION	TANDARD 515. 24 ING T SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	D KBT APP
		CLEARA SHOULD 12/13/2023 DATE CC 12/00 RIVERPLAC JACKSONVILI PHONE: 904.856 CERTIFICATE OF	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' CALE IN FEET ISSUE FOR BID DESCRIPTION	TANDARD 515. 24 ING T SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	 Б КВТ АРР
	 	CLEARA SHOULD 12/13/2023 DATE CONTRACTION JACKSONVILL PHONE: 904.858 CERTIFICATE OF	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' CALE IN FEET	TANDARD 515. 24 ING T SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	 КВТ АРР
	 	CLEARA SHOULD 12/13/2023 DATE CC 1200 RIVERPLAC JACKSONVILI PHONE: 904.853 CERTIFICATE OF	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' CALE IN FEET	TANDARD 515. 24 ING T SHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	 КВТ АРР
		CLEARA SHOULD	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' SCALE IN FEET SSUE FOR BID DESCRIPTION ELL 3 ACCESS F LL 3 CONSTRUC	TANDARD 515. 24 ING TSHALL BE MAINTAI	CH MINIMUM INED. 6' WIDE	 КВТ АРР
	- REV	CLEARA SHOULD 12/13/2023 DATE CC 1200 RIVERPLAC JACKSONVILI PHONE: 904.856 CERTIFICATE OF	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE.	20' 40' CALE IN FEET ISSUE FOR BID DESCRIPTION ELL 3 ACCESS F LL 3 CONSTRUC	TANDARD 515. 24 ING TSHALL BE MAINTAI SHALL BE MAINTAI I SHALL	CH MINIMUM INED. 6' WIDE	 КВТ АРР
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		CLEARA SHOULD	ANCE BETWEEN TOP OF ACCES DERS TO HAVE A 6H:1V SLOPE. SERS TO HAVE A 6H:1V SLOPE. Syntec Syntec Sonsultants E BOULEVARD, SUITE 710 LE, FLORIDA 32207 USA 3:1818 - FAX: 904.396.1143 : AUTHORIZATION NO. 4321 LANDFILL CE PHASE II - CE INDIAN RIVEI	20' 40' 20' 40' CALE IN FEET SSUE FOR BID DESCRIPTION ELL 3 ACCESS F LL 3 CONSTRUC R COUNTY LANI DESIGN BY: DRAWN BY: CHECKED BY:	TANDARD 515. 24 ING TSHALL BE MAINTAI SHALL BE MAINTAI JI25 74th AVEN VERO BEACH, FLORI PHONE: 772.7 ROAD CTION DFILL KBT DATE: JJV PROJECT TC FILE:	CH MINIMUM NED. 6' WIDE	Следина (Следина) — (Следина)
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	SUBGRADE CO	ONTROL POINTS
POINT NO.	NORTHING	EASTING
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SUBBASE CONTROL POINTS

POINT NO. NORTHING EASTING ELEVATION

 LINER PROTECTIVE COVER CONTROL POINTS

 POINT NO.
 NORTHING
 EASTING
 ELEVATION

FOR BIDDING PURPOSES

	-	12/13/2023			ISSUE	FOR BID			JJV	KBT	
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		Cce 1200 RIVERP JACKSON PHONE: 904	OSynt consult PLACE BOULEV/ IVILLE, FLORID/ 4.858.1818 - FAX	ARD, SUITE 710 A 32207 USA (1904.396.1143			1325 VERO BEA	74th AVENUE S CH, FLORIDA 32	W 968 USA		
		CERTIFICAT	E OF AUTHORIZ	ATION NO. 4321				JNL. 772.770.311	2		-
			С	ONSTRUC		ONTROL POI	NT DAT/	4			
	PROJECT:			PHASE II	I - CELL	3 CONSTRU	CTION				
	SITE:			INDIAN I	RIVER C	OUNTY LANI	DFILL				F
	THIS ISSUED F CONSTR	DRAWING MAY FOR PROJECT T UCTION, UNLES	NOT BE ENDER OR SS SEALED.			DESIGN BY:	KBT	DATE:	DECEM	BER 2023	
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CTION	KWA L	SI BADU-TWEN	EBOAH 460			APPROVED BY:	KBT	8	_ OF	24	
			7					8			











NOTES:

1. LINEF TECH 2. TEN-I BOXE WELD 3. GEON BOXE 4. LINEF AFTE

5. AIR-F AFTE BENT

6. THE L LINEF

R PENETRATION BOXE	S WILL B	E CONST N 13005.	RUCTED	USING 1-IN	ІСН ТНІС	K FLAT STOCK	AND IN AC	CORDANC	E WITH	1
INCH PIPE SEGMENTS ES WITH LENGTHS SHO DS WILL BE TESTED PF	AND SOL DWN AND RIOR TO I	LID END T TESTED DELIVER	TERMINA IN ACCO Y IN ACCO	TIONS WILL ORDANCE W ORDANCE \	BE FAC ITH TEC VITH TEC	TORY WELDED HNICAL SPECIF CHNICAL SPEC	TO LINER FICATION S FICATION S	PENETRAT ECTION 13 SECTION 02	ION 005. 2770.	
MEMBRANE LINER EXT ES FOR CLARITY.	RUSION	WELD LO	CATION	IS NOT SHO	OWN ON	FRONT ELEVAT	ION OF LIN	IER PENET	RATIO	N
R PENETRATION BOXE	S AND AT WILL BE	ITACHED) CONTAI RDANCE	NMENT PIP WITH TECH	ING WILI INICAL S	BE AIR-PRESS	SURE TEST SECTION 1	ED IN THE 3005.	FIELD	
RESSURE TEST CHAM R AIR-PRESSURE TES ONITE FILLING IS COM	IBER WIL STING IS (IPLETED.	L BE BAC COMPLE	TED. EAC	CH HOLE W	ILL BE SI	EALED WITH HE	PE EXTRU	IDATE AFTE	ĒR	
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	WF	T WELL GEN	IFRAI	NOTES.								
	<u>vv</u> ∟ 1.			ANCHOR	BOLT SIZES	LOCATIONS.	CLEARANC	ES. ETC. SHAL	L BE IN CO	NFORMANCE	WITH THE	
		MANUFACT	UREF	'S RECOM	IMENDATION	IS AND THE APP	PROVED SH	OP DRAWING	S.			
	2.	ALL STRUC	TURE	S SHALL F	IAVE HDPE I	PROTECTIVE LI	NER INSTAI	LED.				
	3.	ALL BACKF	ILL SH	IALL BE PL	ACED AND	COMPACTED IN	I ACCORDA	NCE WITH THE	SPECIFIC/	ATIONS.		
	4.	CONTRACT	OR IS	RESPONS	SIBLE FOR C	OORDINATION	of all TRA	ADES AND SUB	CONTRACT	TORS.		
	5.	SEE ELECT	RICAL	DRAWING	GS FOR LOC	ATION OF ELEC	TRICAL/ CO	ONTROL PANEL	L AND CON	NECTING COM	NDUITS.	
	6.	CONTRACT	OR TO	O PROTEC	T WET WELI	LINER/COATIN	IG DURING	INSTALLATION	I AND REPA	AIR AS DIREC	ΓED.	
	7.	HATCH CO	VERS	SHALL BE	H-20 RATED	AND PROVIDE	UNRESTRI	CTED VERTICA	AL ACCESS	TO PUMPS AI	ND VALVES.	
STO RECEIVE	A 8.	PROVIDE N	ION-SI	HRINK GRO	OUT AT ALL	OPENINGS INTO	O THE STRU	JCTURES.				
	9.		OR SI	HALL TAKE	E NECESSAR	RY PRECAUTION	NS AGAINS	FLOATATION	OF WET WI	ELL UNTIL ALI		S IN
<u>.00</u>	10.	CAST-IN-PL 03300 AND	ACE (02605	CONCRETE	E SHALL BE 4 TIVELY.	4500 PSI AND P	RECAST CO	DNCRETE SHAL	LL BE 5000	PSI. SEE SPE	CIFICATIONS	6
	11.	REINFORCI SHALL BE S TYP).	ING S ⁻ SIX (6)	TEEL SHAL TIMES TH	.L BE GRADE E BAR DIAM	E 60 FABRICATE ETER NUMBER	ED AND PLA SIZE OR 18	CED IN ACCOF	RDANCE WI LESS OTHE	TH ACI CODE RWISE NOTE	SPLICES AN D (STAG. SP	D L.,
	12.	ALL BACKF D1557. COM	ILL AF /IPACI	ROUND THI	E PUMP STA PTH OF AT LI	TION SITE SHA	LL BE COM T BELOW S	PACTED @ 98% LAB ON GRADI	% of Maxin E.	IUM DENSITY	, PER ASTM	
	13.	CHAMFER	EXPO	SED CONC	RETE EDGE	S ¾" (TYP).						
	14.	ALL PIPING	i AT TI	HE PUMP S	STATION SIT	E SHALL BE RE	STRAINED.					
	15.	STAINLESS	STEE	EL CABLE H	HOLDER SHA	ALL BE LOCATE	D ON OPPC	SITE SIDE OF	WETWELL I	FROM THE IN	FLUENT PIPE	Ξ.
	16.	BUOYANCY CALCULAT	′ CAL(IONS.	CULATIONS	S SHALL BE	REQUIRED FOR	R ALL PUMP	STATIONS ALC	ONG WITH ⁻	THE REQUIRE	D PUMP STA	TION
	17.			JM OF 6" B		NY PIPING, FITT		AND PRECAST	CONCRETE			
	ıð.	MANUFACT	UREF	S' PRODU	CT LIST	LEL NAKUWARI	_ IS KEQUI	NED FOR ALL \	vvc i vvellS	FER IKUDUS	AFFKUVED	
	19.	STAINLESS	STEE	L LIFTING	BAILS SHAL	L BE USED FOR	R PUMPS IN	LIFT STATION	S.			
	20.	ALL HARDV	VARE	TO BE 316	STAINLESS	STEEL.						
	21.	FOR CLEAF	R COV	ER REQUI	REMENTS F	OR CAST-IN-PLA	ACE CONCF	RETE REINFOR	CEMENT, R	REFER TO SPE	ECIFICATION	
	22.	ASSUME ANNOTES ABO	LLOW	ABLE BEAF 000 PSF.	RING PRESS	URE FOR CAST	-IN-PLACE	SLAB ON GRAI	DE OVER PI	REPARED SU	BGRADE PEF	2
	23.	PRECAST V	VETW	ELL SHALL	. BE DESIGN	IED BY A PROFE	ESSIONAL E	ENGINEER REG	SISTERED I	N THE STATE	OF FLORIDA	AS
		REQUIRED	BY SF	PECIFICAT	ION 02605.							
J		NOTES:										
		1. SEE ELE	ECTRI			RMATION ON PA	NELS, WIR	ING, FPL METE	ER, SERVICI	E DISCONNEC	CT, AND	
		CONDU	IIS IC) WE I WEL	LS.							
		2. PROVID	E FLA	T AREA ON	N BOTTOM F	OR PUMP.						
		3. PROVID	E ADE	QUATE LE	ENGTHS OF I	HOSE TO ALLO	N EASY RE	Moval of the	E LDS PUMF	D.		
R'S		4. SEE SPI	ECIFIC	CATIONS F	OR PROTEC	TIVE LINER DE	TAILS.					
ONS		5. IF UNST GRAVEL	ABLE	MATERIAL	IS PRESEN	T, OVER EXCAV	/ATE 3'-0" A	ND BACKFILL V	WITH 3.0 FC	OT DEPTH O	F FDOT NO.	57
		6. OPENIN	GS FC	OR CONDU	ITS. SEE ELI	ECTRICAL PLAN	IS FOR DET	AILS. PENETR	ATIONS SH	ALL BE SEALI	ED IN	
). 57 RIAL		ACCOR	DANC	E WITH TH	E SPECIFIC	ATIONS.						
		7. DESIGN BY CDM	AND SMIT	DETAIL TA H.	KEN FROM F	PERMIT MOD 01	28769-022-	SC AND CELL 2	2 CONSTRU	CTION DRAW	INGS PREPA	RED
			-	12/13/2023			ISSU	E FOR BID			JJV	КВТ
		RI	ΞV	DATE			DES	CRIPTION			DRN	APP
				Ge	osyn	tec₽				RIVER	- CEL	
					consul	tants						
				1200 RIVER		ARD, SUITE 710				1325 74th AVE	NUE SW	
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		PROJ	ECT:			LCS	S AND L	DS DETAII	LS 1			
		SITE				PHASE II	- CELL	3 CONST	RUCTIO	N		
		SITE:				INDIAN F	RIVER		ANDFILI	L		
		IS		ORAWING MAY	NOT BE			DESIGN BY:	ł	KBT DATE:	DECE	MBER 2023
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REVIEWED BY:

APPROVED BY:

DATE

KWASI BADU-TWENEBOAH

LICENSE NO. 42460

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KWASI BADU-TWENEBOAH

LICENSE NO. 42460

APPROVED BY:

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		FINIS	SHED GRADE			မ ၂						_	_
EACH 3"Ø TO HOUSE TRACE V N LID IS TO BE	WIRE			OBSTF SEE NOTE			36"	SLOPE TO (MIN) COVER		B			
PAVED AREAS (TYPE	II)	SEE NO FOR ACC	OTE NO. 3 CEPTABLE							E MAIN			
IX PADS IN THE PAVEME /IRE PORT BOXES AND DRS	ENT)	DEFLECT	10N		EL		— CENTEI AT THE	R A FULL LEN POINT OF C	NGTH OF PIP ROSSING	E			
		NOTE	S								-ART-		
N VALVE BOX LID		1. NEW	OR RELOCA		GROUN	D WATER N	IAINS CRO	SSING ANY E		– DR			
OF PAD		PRC TYP CON PRE COV THE 2. AT L ABC POS	E SANITARY S IVEYING RECL FERABLY 12", FERABLE TO I /ER CAN BE M WATER MAIN JTILITY CROS IVE OR BELOV SIBLE FROM	SEWER, WAS SEWER, WAS AIMED WAT ABOVE OR LAY THE WA AINTAINED A AND THE O SINGS, ONE V THE OTHE THE OTHER	M TYPE STEWATE FER SHA A MINIMI ATER MA ABOVE T ABOVE T THER PI FULL LE R PIPEL PIPELINI	ER, STORM LL BE LAID UM OF 12 IN IN ABOVE T FHE WATER PELINE. ENGTH OF V INE SO THE E. ALTERN	SEWER, S WATER FC SO THE W NCHES BEI 'HE OTHEF 'MAIN ANE VATER MA E WATER M ATIVELY, A	IORM SEWEI ORCE MAIN, (ATER MAIN I OW THE OT OW THE OT PIPELINE IF O 6" OF SEPA IN PIPE SHAL IAIN JOINTS	R, OR PRESS OR PIPELINE S AT LEAST (HER PIPELIN 5 36" MINIMU RATION BET LL BE CENTE WILL BE FAR DSSINGS, TH	SURE 6", AND IE. IT IS M WEEN RED AS IE PIPES			
NTS S	-ART-	SHA FRO FOR FRO FOR 3. CON MAX	LL BE ARRAN M ALL JOINTS CE MAINS, OF M ALL JOINTS CE MAINS, OF ISTRUCT STAI	GED SO THA IN VACUUM PIPELINES IN GRAVITY PIPELINES NDARD CRO DEFLECTION	AT ALL W I TYPE S CONVE Y OR PRI CONVE OSSING N	VATER MAIN SANITARY S YING RECL/ ESSURE TY YING RECL/ NOT TO EXC	I JOINTS A EWERS, S AIMED WA PE SANITA AIMED WA CEED 75%	RE AT LEAS TORM SEWE TER, AND AT ARY SEWERS TER. OF THE MAN	T THREE FEE RS, STORMV LEAST SIX F S, WASTEWA UFACTURER	ET VATER FEET TER			
) BE PROVIDED. AMPLE ABOVE) IN	WITH NDICATOR	4. OTH DEF 5. TRA	IER METHODS LECTING THE CER WIRE SH	OF RESTRA PIPE AS SHO ALL BE INST	AINT MAY OWN AB	Y BE USED . BOVE. ABOVE THE	AS APPRC	VED BY IRCI E DETAIL. M-	DUS IN LIEU 13)	OF			
PUT COVER, MINII AISED LETTERS:	MUM 24 "WATER".	6. <u>ALL</u> EQU PER	WATER AND S IAL TO THE DE MANENT ABO	SEWER PIPIN EPTH OF THE VE GROUND	NG SHAL E PIPE P) STRUC	L BE LOCA LUS THE DI TURES (I.E.	TED A MIN IAMETER (. WALLS, T	IMUM HORIZ DF THE PIPE REES, TRAN	ONTAL SEPA FROM ANY SFORMER PA	ARATION ADS,			
BE EVEN WITH TH	IE ROCK	UND	DERGROUND L NS, ETC.)	JTILITIES (I.E	E. GAS M	IAINS, TELE	PHONE LI	NES, CABLE	LINES, IRRIG	ATION			
OX PAD WITH THI E AND BOX DETAI	E FINAL L M-5)												
PAD	drawing NO. M-6	INDIAN RI DEPART UTILITY	VER COUNTY MENT OF SERVICES	RIVER		UTILI	ITY C	ROSSI	NGS	DRAWINNO.	NG 4		
- BENCH WALL T SLOPE 2"/FT TOWARD CHAN INFLUENT PIPE				<u>NC</u> 1. 2.	DTES: ALL VAI SERVIC ALL PR INSTAL	LVE BOX LII CE SHALL BE ECAST MAN LED PER SF	DS AND MA E MARKED HOLES SH PECIFICATI	NHOLE COV "LEACHATE" IALL HAVE A ON SECTION	ERS FOR LAI HDPE PROTI 02605.	NDFILL L ECTIVE L	EACHATE INER		
HOLE	-ART-												
IONS.	_												
PRODUCT LIST. STREAM		- REV	12/13/2023 DATE				DESC	FOR BID				JJV DRN	KBT APP
E	DRAWING NO.	-	Geo	osynt consult	tec ants	D)	
FLUENT AIL SEPTEMBER 2017	S-12		1200 RIVERPLA JACKSONV PHONE: 904.8 CERTIFICATE (ACE BOULEVA ILLE, FLORIDA 58.1818 - FAX DF AUTHORIZ	ARD, SUIT A 32207 U (: 904.396 (ATION NO	ΓΕ 710 ISA .1143 Ο. 4321			Ň	132 /ERO BE/ PH	5 74th AVENUE ACH, FLORIDA ONE: 772.770.5	E SW 32968 USA 5112	
		TITLE:				LCS A	AND LI	DS DET	AILS 3				
		PROJECT:			ЪΠ	10E II		3 0010					
		SITE:) AN RI							
						νυγτιν ΓλΙ					DATE		BER 2023
		CONSTR	UCTION, UNLESS	SEALED.									202

RPOSES ONLY	
ONSTRUCTION	

	INDIAN RIVER C	COUNTY LAND	FILL			F
THIS DRAWING MAY NOT BE UED FOR PROJECT TENDER OR NSTRUCTION, UNLESS SEALED.		DESIGN BY:	KBT	DATE:	DECEMBER 2023	
		DRAWN BY:	JJV	PROJECT NO.:	FL9363A	
SIGNATURE		CHECKED BY:	тс	FILE:	FL9363A-C16A	
DATE		REVIEWED BY:	SA	DRAWING NO .:		
KWASI BADU-TWENEBOAH LICENSE NO. 42460		APPROVED BY:	KBT	16	_ ^{of} 24	

		2			3			
ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	ONE LINE OR CONTROL DIAGRAM	PLAN	DESCRIPTION	SYMBOL	DESCRIPTION	A
) FRAME TRIP	СВ	LOW VOLTAGE AIR OR MOLDED CASE CIRCUIT BREAKER, 3 POLE UNLESS OTHERWISE NOTED.			PILOT LIGHT, COLOR AS NOTED * R - RED G - GREEN B - BLUE W - WHITE	^A X ³ _b	INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. TYPE LIGHTING FIXTURE "A" - FIXTURE TYPE (SEE LIGHTING FIXTURE SCHEDULE) "b" - CONTROLLED BY SWITCH "b" "3" - CIRCUIT NUMBER	AC AFF AFG AL
• •		COMBINATION MOTOR CIRCUIT PROTECTOR AND MAGNETIC MOTOR STARTER, FULL VOLTAGE NON-REVERSING UNLESS OTHERWISE NOTED:			A - AMBER PILOT LIGHT, PUSH-TO-TEST TYPE, COLOR AS NOTED ABOVE.		HOME RUN TO DESIGNATED EQUIPMENT. BRANCH CIRCUIT CONDUIT WITH 2 NO. 12 AWG BRANCH CIRCUIT CONDUCTORS AND 1 NO. 12 AWG GROUND CONDUCTOR UNLESS OTHERWISE NOTED. NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS. FOR MINIMUM SIZE CONDUIT PERMITTED REFER TO	AIC AMF ATS AUT AUX
<u> </u>	$\boxtimes \downarrow$	*FVR - FULL VOLTAGE REVERSING RVNR - REDUCED VOLTAGE NON-REVERSING RVAT - REDUCED VOLTAGE AUTOTRANSFORMER DV00 DEDUCED VOLTAGE 000000000000000000000000000000000000	# RANGE	* - ##	FIELD INSTRUMENT, TAG NO. AS INDICATED * INDICATES INSTRUMENT TYPE DEFINED ON LOOP SHEETS OR P & ID		THE SPECIFICATIONS. CONDUIT CONCEALED IN WALL, IN SLAB ABOVE, ABOVE CEILING, IN OR BELOW FLOOR OR UNDERGROUND.	AW0 BKR C
		RVSS - REDUCED VOLTAGE SOLID STATE		LS OR	## INDICATES LOOP NO. LIQUID LEVEL (FLOAT) SWITCH		CONDUIT RUN EXPOSED. RUN PARALLEL OR PERPENDICULAR TO STRUCTURE OR WALL.	CB CGD CKT
۱ /*		NON-FUSIBLE DISCONNECT SWITCH, (NEMA 4XSS) 600 VOLT, 3 POLE *AMPERE RATING NOTED IF OTHER THAN 30A		PS OR	PRESSURE OR VACUUM SWITCH	×	'X' INDICATES EXPLOSION PROOF CONDUIT SEAL FITTING.	СР
((DIAGRAMATICALLY SHOWN, CONTRACTOR SHALL FIELD LOCATE)			TEMPERATURE SWITCH OR THERMOSTAT		CONCRETE ENCASED DUCTBANK. WIDTH VARIES, SEE DUCTBANK SECTION/DETAILS FOR REQUIREMENTS AND WIDTH	CR CS
		TRANSFORMER, RATINGS AND CONNECTIONS AS NOTED. UNLESS OTHERWISE NOTED ON THE SINGLE		FS OR	FLOW SWITCH (AIR, WATER, ETC.)		CONDUIT STUBBED OUT AND CAPPED	
VOLTS_SEC 3P/4W	Т	SERVICING ADMINISTRATIVE AND LABORATORY SPACES SHALL HAVE A K FACTOR OF 4. ISOLATION		ZS OR	POSITION (LIMIT) SWITCH	2(3"C., 3#3/0, 1#2G)	DENOTES A QUANTITY OF TWO (2) 3-INCH CONDUITS EACH CONTAINING THREE NO. 3/0 AWG CONDUCTORS AND 1 NO. 2 AWG GROUND CONDUCTOR.	DM DM DN
<u>–</u>		CURRENT TRANSFORMER		WS OR	TORQUE SWITCH		DENOTES A QUANTITY OF TWO INSTRUMENT CABLES, EACH CABLE TO	EC ELE
* E		#QUANTITY A = PRIMARY AMPERES			CONDUCTORS OR CONDUITS CROSSING PATHS BUT	2-2/C#16 SH	CONSIST OF TWO NO. 16 AWG CONDUCTORS TWISTED TOGETHER AND COVERED WITH A METALLIC SHIELD AND AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.	EM
* ¥		POTENTIAL TRANSFORMER #QUANTITY V = PRIMARY VOLTAGE			NOT CONNECTED		SAME AS ABOVE EXCEPT CABLE TO CONSIST OF THREE NO. 16 AWG	EQU EX
\bigcirc	G	GENERATOR, RATINGS AND CONNECTIONS AS NOTED	1 └──┿──		CONDUCTORS ELECTRICALLY CONNECTED	2-3/C#16 SH	CONDUCTORS TWISTED, SHIELDED AND COVERED WITH AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.	GCP
	\bigcirc			S	SOLENOID VALVE	(3) 4"C.	THREE 4-INCH CONDUITS	G, G GFI
		AUTOMATIC OR MANUAL TRANSFER SWITCH NO.1 (ATS-1), (MTS-1) "N" INDICATES NORMAL OR					FLEXIBLE METAL CONDUIT "WHIP" (3/4"C., 2#12, 1#12G UNLESS OTHERWISE NOTED) FOR RECESSED LIGHTING FIXTURES AND LIQUID TIGHT MOTOR	HT HP
		PREFERRED SOURCE "S" INDICATES STANDBY OR ALTERNATE SOURCE 100A INDICATES CONTINUOUS CURRENT RATING			LIGHTNING ARRESTER	X	CONNECTIONS CONDUIT SEAL FITTING SHOWN IN OTHER THAN CODE REQUIRED LOCATIONS.	HZ ID
00A			- <u>+</u>	۲	GROUND OR GROUND ROD		INDICATES MOTOR STARTER AND/OR MOTOR CONTROL EQUIPMENT WITHIN THE ENCLOSURE.	K K
(5)	M	MOTOR, NUMERAL INDICATES HORSEPOWER	- <u>30A</u>		FUSE AMPERE BATING AS NOTED	\$ _a	SINGLE POLE SWITCH "a" INDICATES FIXTURES CONTROLLED.	KVA KW
		PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY CLOSED				PP-#	POWER PANELBOARD (PP) OR DISTRIBUTION PANELBOARD (DP)	LV MA
		PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY OPEN		HTR	STRIP HEATER OR HEATING ELEMENT		DUPLEX RECEPTACLE, 20A, 120V, 2P, 3W * GFCI - GROUND FAULT CIRCUIT INTERRUPTER TYPE WP - WEATHERPROOF	MCI MCI MCI
	FS	EMERGENCY STOP PUSHBUTTON WITH RED			INDUCTOR	4	 T - TRANSIENT VOLTAGE SURGE SUPPRESSOR IC - ISOLATED GROUND 4 - CIRCUIT NUMBER 	MIN
START		MUSHROOM HEAD OPERATOR (MAINTAINED CONTACT)			CONTACT, NORMALLY OPEN (NO)	J OR (J	JUNCTION BOX	
	PBL	START-STOP PUSHBUTTON CONTROL STATION (MOMENTARY CONTACT) WITH LOCKOUT DEVICE ON STOP				Р	PULL BOX	NC NO NTS
		START-STOP PUSHBUTTON CONTROL STATION,			CONTACT, NORMALLY CLOSED (NC)	ТС	TERMINAL CABINET	ОН
	PBM	MAINTAINED CONTACT WITH LOCKOUT DEVICE ON STOP			OVERLOAD RELAY HEATER	OS	OCCUPANCY SENSOR	OL PCP
OFF ON	S/S	OFF/ON SELECTOR SWITCH				PO	PHOTOCELL	PM PNL
						ESA	EMERGENCY EYEWASH/SHOWER ALARM STATION WITH FLOW SWITCH(ES)	PR PRI
	LR	LOCAL/REMOTE SELECTOR SWITCH	ТВ		TERMINAL OR TEST BLOCK		INDICATED EQUIPMENT AND MATERIALS TO BE DEMOLISHED	REC
			RTD		RESISTANCE TEMPERATURE DETECTOR	DAMP	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF	QTY SA
		3 POSITION SELECTOR SWITCH, MAINTAINED				WET	LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.	SEC SH SHF
A B C*		O-OPEN X-CLOSED			VIBRATION DETECTOR	COPPOSIVE	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL BE OF NEMA 4X CONSTRUCTION (OR CORROSION RESISTANT CONSTRUCTION)	SPD SS
	*	A X O O B 0 X O	DM	DM	DAMPER MOTOR		SUITABLE FOR USE IN A WET LOCATION WHERE NEMA STANDARDS DO NOT APPLY) UNLESS OTHERWISE NOTED.	SV SW
			ETM		ELAPSED TIME METER	CLASS I, DIV. 1 GROUP D	INDICATES THAT ALL ELECTRICAL EQUIPMENT AND MATERIALS INSTALLED WITHIN THE ROOM OR AREA IN WHICH THIS NOTATION APPEARS SHALL CONFORM TO N.E.C. REQUIREMENTS FOR THE HAZARDOUS AREA	TO TS
		NAMEPLATE (A/B/C) HOA- HAND/OFF/AUTO HOR- HAND/OFF/REMOTE					GROUND SYSTEM GRID OR LOOP, 36" BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.	UG
GD/VF	GD/VF	GAS DETECTOR / VENTILATION FAILURE ALARM					EXOTHERMIC WELD CONNECTION	V VA W
#	#	# INDIGATES TYPE OF UNIT 1=MASTER, 2=REMOTE			INDICATES LIMITS OF ELECTRICAL EQUIPMENT OR WIRING ENCLOSURE	۲	3/4" x 10'-0" GROUND ROD. UNLESS SPECIFIED OTHERWISE.	WP XP
		MOTOR STARTER COIL, NUMBER AS INDICATED TO DENOTE INTERLOCKING ONLY		<u> </u>			GROUND ROD TEST WELL STATION (SEE DETAIL SHEET FOR REQUIREMENTS)	
(CR)		CONTROL RELAY COIL, NUMBER AS INDICATED				0	CHEMICAL GROUND ROD	1

Docs/Geosyntec/IND/AN RIVER CNTY LF CELL 3/Project Files/DRAWINGS/FL9363A-C19.dwg

REVIATIONS 'S					0		
vs	NOTES:						
	1. DESIC	3N AND DETAIL TAKEN FR	ROM PERMIT MOD 0128769-	022-SC AND CELL 2 C	CONSTRUCTION DRAWIN	IGS PREPARED BY	,
VE FINISHED FLOOR							
VE FINISHED GRADE	2. 1815	IS A STANDARD LEGEND.	SOME SYMBOLS MAY NOT		DRAWINGS.	001/7040700	
PERE INTERRUPTING CAPACITY	3. IN GE SHAL	L BE RESPONSIBLE FOR I	IG FOR EQUIPMENT AND DI ROUTING ALL CONDUITS W	EVICES IS NOT SHOW	E CONDUITS SHOWN ON	UNIKACIOR	
PERE	RISEF INSTA	₹ DIAGRAMS AND HOME-F ALLATION REQUIREMENT\$	RUNS SHOWN ON PLAN DR S.	AWINGS. REFER TO	SPECIFICATIONS FOR M	ATERIALS AND	
OMATIC TRANSFER SWITCH	4. THE V	WIRING DIAGRAMS, QUAN	ITITY AND SIZE OF WIRES A	AND CONDUITS REPR	ESENT A SUGGESTED A	RRANGEMENT	
ILIARY	BASE	D UPON SELECTED STAN				CEPTABLE TO THE	E
RICAN WIRE GAUGE	SEQU	JENCE AND METHOD OF C	CONTROL MUST BE MAINTA	INED AS INDICATED	ON THE DRAWINGS AND)/OR	
DUIT	SPEC	IFICATIONS.					
UIT BREAKER	5. ALL C	ONDUITS SHALL BE INST	ALLED CONCEALED UNLES	S OTHERWISE NOTE	D.		
UIT	6. INTEF WIRE	PRETATION OF ELECTRIC S ARE SHOWN ON THE F	CAL DRAWINGS: CIRCUIT I OLLOWING DRAWINGS:	DENTIFICATION, ROU	ITING, AND SIZES OF CC	NDUITS AND	
TROL PANEL							NI NI
TROL RELAY	A. POWE	PMENT AND UTILIZATION	EQUIPMENT POWERED FR	OM SWITCHGEAR, SV	VITCHBOARDS, MOTOR	CONTROL	N
TROL SWITCH/CONTROL	CENT THE F	PARAMETERS IDENTIFIED	ON THE ONE LINE DIAGRA	MS ARE: CIRCUIT ID	SHOWN ON THE ONE LI ENTIFICATION, CIRCUIT	NE DIAGRAMS. ORIGIN AND	
PER	DEST ASSC	INATION, CONDUIT SIZE, V CIATED WITH THE CONTE	WIRE SIZE AND QUANTITY ROL/PROTECTION OF THE	FOR COMPLETE CIRC POWERED EQUIPMEN	CUIT LENGTH, AND AUXI NT, AND SIZE OF THE GR	LIARY DEVICES ROUNDING	
METER	ELEC	TRODE CONDUCTORS.					
TAL METERING UNIT	B. INSTR	RUMENTATION AND CONT	ROL RISER DIAGRAMS: PO	WER, CONTROL, SIG	NAL AND DATA HIGHWA	Y WIRING	_
/N TY CONDUIT	REQU CONT	IREMENTS FOR INSTRUM ROL PANELS SUCH AS R	IENTS AND CONTROL DEV TUS, PLCS, TERMINAL CAB	CES CONTROLLED/M INETS, AND REMOTE	ONITORED FROM INSTR I/O PANELS ARE TYPICA	UMENTATION AND	D
TRICAL	THE I DIAGE	NSTRUMENTATION AND C RAMS ARE: CIRCUIT IDEN	CONTROL ONE LINE DIAGR	AMS. THE PARAMETE GIN AND DESTINATION	ERS IDENTIFIED ON THE	ONE LINE SIZE, QUANTITY	
ATION RGENCY	AND ⁻ OF TH		RCUIT LENGTH, AND AUXILI	ARY DEVICES ASSOC	CIATED WITH THE CONTR	ROL/PROTECTION	
LOSURE OR ENCLOSED	01 11						
IPMENT TING	C. FLOO THE L	K PLANS: FOR DETERMIN OCATION OF ELECTRICA	NING THE LENGTH OF CIRC	UTS LOCATED WITH	IN STRUCTURES, FLOOP S, UTILIZATION EQUIPME	≺ PLANS SHOW ENT, INSTRUMENT	S,
·····•	ANCII THE S	LARY EQUIPMENT AND D STRUCTURE. HOMERIUMS	DEVICES AND THE ANTICIP S MAY ALSO BE SHOWN FR	ATED PENETRATION I	LOCATIONS WHERE CON EQUIPMENT NOT SHOW	NDUITS EXIT/ENTER	R
ERATOR CONTROL PANEL	OR RI	SER DIAGRAM.					
UND	D. SITE I	PLANS: FOR DETERMININ	IG THE LENGTH OF CIRCUI	TS EXTERIOR TO STR	RUCTURES AND TO IDEN	ITIFY THE SPECIFI	С
UND FAULT INTERRUPTER	REQU UNDF	IREMENTS OF THE UNDE RGROUND CONDUITS AN	RGROUND CONDUITS OR I	DUCT BANKS, SITE PL FIONS INDICATING TH	ANS SHOW THE GENER	AL ROUTING OF	
DHULE GHT	CIRCU	JIT ROUTING.			,	-	
SEPOWER	E. NOTE	THAT CONDUIT SIZE WIT		TED ON ONE-LINE DI	AGRAM AND UNDERGRO	OUND SIZE IS	
IZ TIFICATION	INDIC	ATED ON DUCT BANK SEC	CTIONS.				
RUMENT							
(PREFIX)							
VOLT AMPERES							
WATTS							
VOLTAGE							
OR CONTROL CENTER							
INURALI UKEK							
N LUGS ONLY							
INTED TRAL							
MALLY CLOSED							
MALLY OPEN OR NUMBER							
RHEAD							
BOX RLOAD							
RHEAD . BOX RLOAD IP CONTROL PANEL							
RHEAD BOX RLOAD IP CONTROL PANEL SE							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD /ARY /VINYL CHLORIDE							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD /ARY /VINYL CHLORIDE :PTACLE							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD IARY /VINYL CHLORIDE :PTACLE UIRED .NTITY							
RHEAD BOX RLOAD IP CONTROL PANEL SE VER MANHOLE EL OR PANELBOARD MARY VINYL CHLORIDE EPTACLE UIRED NTITY GE ARRESTER							
RHEAD BOX RLOAD IP CONTROL PANEL SE VER MANHOLE EL OR PANELBOARD MARY VINYL CHLORIDE EPTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER							
RHEAD BOX RLOAD IP CONTROL PANEL SE VER MANHOLE EL OR PANELBOARD MARY VINYL CHLORIDE EPTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD MARY /VINYL CHLORIDE EPTACLE UIRED INTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD MARY /VINYL CHLORIDE PTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL ENOID VALVE							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD MARY /VINYL CHLORIDE EPTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL ENOID VALVE FCH							
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD // MARY /VINYL CHLORIDE PTACLE UIRED INTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL INOID VALVE FCH TO CLOSE OR TRAY CABLE TO OPEN		12/13/2023	ISS	JE FOR BID		JJV KBT	
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD MARY /VINYL CHLORIDE EPTACLE UIRED INTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL ENOID VALVE FCH E TO CLOSE OR TRAY CABLE E TO OPEN STED SHIELDED/THERMAL FCH	- REV	12/13/2023 DATE	ISS DE	JE FOR BID SCRIPTION		JJV KBT DRN APP	
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RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD //ARY /VINYL CHLORIDE PTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL :NOID VALVE TCH TO OPEN STED SHIELDED/THERMAL CAL ERGROUND TS	- REV	12/13/2023 DATE Geosyn	ISS DE:	JE FOR BID SCRIPTION		JJV KBT DRN APP	
RHEAD BOX RLOAD IP CONTROL PANEL SE /ER MANHOLE EL OR PANELBOARD //ARY /VINYL CHLORIDE :PTACLE UIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL ENOID VALVE TCH TO OPEN STED SHIELDED/THERMAL ICH CAL ERGROUND TS TAMPS	- REV	12/13/2023 DATE Geosyn consul	ISS DE tec tants	JE FOR BID SCRIPTION		JJV KBT DRN APP	
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RHEAD BOX RLOAD IP CONTROL PANEL SE VER MANHOLE EL OR PANELBOARD MARY VINYL CHLORIDE IPTACLE JIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER IAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL INOID VALVE TCH E TO CLOSE OR TRAY CABLE E TO OPEN STED SHIELDED/THERMAL TCH CAL ERGROUND TS T AMPS TS, WIDTH, WITH, WIRE THERPROOF OSION PROOF	- REV	12/13/2023 DATE DATE CCOSSYN CONSUL 1200 RIVERPLACE BOULEV JACKSONVILLE, FLORIE PHONE: 904.858.1818 - FA CERTIFICATE OF AUTHORI	ISS DE: CECC tants /ARD, SUITE 710 DA 32207 USA X: 904.396.1143 ZATION NO. 4321	JE FOR BID SCRIPTION	1325 74th AVENUE VERO BEACH, FLORIDA 3 PHONE: 772.770.57	JJV KBT DRN APP SW i2968 USA i12	
RHEAD BOX RLOAD P CONTROL PANEL SE (RE MANHOLE EL OR PANELBOARD MARY VINYL CHLORIDE PTACLE JIRED NTITY GE ARRESTER DNDS OR SECONDARY LDED/SPACE HEATER DAL HANDHOLE GE PROTECTIVE DEVICE NLESS STEEL ENOID VALVE TCH E TO CLOSE OR TRAY CABLE E TO OPEN STED SHIELDED/THERMAL TCH CAL ERGROUND TS T AMPS TS, WIDTH, WITH, WIRE THERPROOF OSION PROOF NSFORMER	- REV TITLE:	12/13/2023 DATE DATE CCONSUL 1200 RIVERPLACE BOULEV JACKSONVILLE, FLORIE PHONE: 904.858.1818 - FA CERTIFICATE OF AUTHORI	ISS DE: CECC tants /ARD, SUITE 710 DA 32207 USA X: 904.396.1143 ZATION NO. 4321		1325 74th AVENUE VERO BEACH, FLORIDA 3 PHONE: 772.770.57	JJV KBT DRN APP SW 12968 USA 112	
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	•	1				I F	GEND				
					110	EXISTING	GROUND ELE	EVATION (FEE	ET, NGV	D)	
WM	- EW -					PAVED RC	AD				
					====	EXISTING	PERIMETER	ROAD AND UI	NPAVED	O ROAD	
	•				○ -> □		UTILITY				А
EFM EFM EFM					□ = = = N 1178500	STATE PLA	ANE COORDI	NATES			
	• • •	-N- 			WM	EXISTING	WATERMAIN				
					EGL	EXISTING	GRAVITY LIN	E			
	- <u>.</u> -				EFM	EXISTING	FORCEMAIN				
	· N · · · ·	I			—— Е ——— Е	PROPOSE	D ELECTRICA	AL LINE			
EASEMENT	· · 	10'		20'							
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OLE ^{, ,} , , , , , ,	• • •										
ORCEMAIN PIPE											
LL 4 EFM EFM	EFM.										
3', POWER)	. N										
IC HANDHOLE											С
(2'X2', CONTROL)		NOTES:									
		1. TOPO SURV	GRAPHIC EY PREPA	NFORMA RED BY A	TION OUTSIDE T LERT 5 INTERNA	HE ACTIVE LANDF TIONAL & MASTEL	ILL AREA WA LER, COMPL	S OBTAINED ETED IN DEC	FROM EMBER	2022.	
	····	2. HORIZ (NAD8	ONTAL CO		TES VALUES ARE 999 COORDINATE	BASED UPON TH	E NORTH AM)A EAST ZON	ERICAN DATA	A OF 198	83	
		3. CONT		SPOT EL	EVATION ARE B	ASED ON THE NAT	IONAL GEOD	ETIC VERTIC	AL DAT	UM	-
DS 14		OF 19	29 (NGVD2 AL NOTES	9).							
14		1. DESIG	N AND DE	TAIL TAK	EN FROM PERMI	Г MOD 0128769-02	2-SC AND CE	LL 2 CONSTR	RUCTION	N	
			INGS PRE	PARED B	Y CDM SMITH.	GS REFER TO THE					
		APPR	OVED MAN	IUFACTU	RER'S SHOP DRA	WINGS FOR THE	EXACT LOCA	TION OF ALL	EQUIPN	IENT.	
		3. ALL W	ORK SHAL		Y WITH NEC AND	LOCAL CODES.					
		5. ALL C	ONDUITS	SHALL HA	VE A BOND WIRE	E SIZED PER TABL	E 250.122 OF	THE NEC (UI	NLESS		
		OTHE	RWISE NO	TED).							
		NEW (CONDUITS	, DUCTBA WNER.	NK, MANHOLES,	PULL BOXES, ETC	., AS REQUIF	RED AT NO AI	DDITION	IAL	
		7. COOF		ITH FPL E		IN THE FPL EASE	MENT TO AV	OID DAMAGII	NG THE	FPL	_
		8. AFTEI	R DUCTBA	NK INSTA	5. LLATION, REPAIF	R ASPHALT ROAD	VAY PER SHE	ET CD-10.			
	_	12/13/2023			ISSU	E FOR BID			JJV	КВТ	E
	REV	DATE			DES	CRIPTION			DRN	APP	
		Geo	osyn	tec				RIVER			
			consult	ants	740			* CORIDA			
		JACKSONV PHONE: 904.8	ILLE, FLORID 58.1818 - FA	ARD, SUITE A 32207 US/ (: 904.396.1	710 A 143		132: VERO BEA PHI	5 74th AVENUE S ACH, FLORIDA 32 ONE: 772.770.511	W 1968 USA 12		_
	TITLE:	CERTIFICATE		ATION NO.							
	PROJECT:										
				PHA	SE II - CELL	3 CONSTRU	ICTION				
	SITE:				AN RIVER (
	THIS									MRED 2022	F
	ISSUED CONSTR	FOR PROJECT TEI RUCTION, UNLESS	SEALED.			DRAWN BY:	J.JV	PROJECT NO.:	DECE	FL9363A	
		SIGNATURE				CHECKED BY:	TC	FILE:	FI	L9363A-C18	
RPOSES ONLY		DATE	-			REVIEWED BY:	SA	DRAWING NO.:	:		
ONSTRUCTION	KW	ASI BADU-TWENEE LICENSE NO. 4246	OAH)			APPROVED BY:	KBT	18	OF	24	





25

19

5 FT RADIUS FROM VENT (DIV. 2) 3 FT RADIUS FROM VENT (DIV. 1)



DETAIL LCS AND LDS PUMP STATION WET WELL

SCALE: N.T.S.

NOTES:

- 1. DESIGN AND DETAIL TAKEN FROM PERMIT MOD 0128769-022-SC AND CELL 2 CONSTRUCTION DRAWINGS PREPARED BY CDM SMITH.
- 2. REFER TO THE RISER DIAGRAMS, SHEET 21, FOR CONDUIT AND WIRE REQUIREMENTS.
- 3. POLE MOUNTED LED LIGHT FIXTURE, 96 LED's (13936 LUMENS, 135 LUMENS PER WATT) DIE CAST ALUMINUM HOUSING WITH INTEGRAL COOLING FINS, TWO-PIECE DIE CAST ALUMINUM DRIVER COMPARTMENT SEALED WITH A ONE-PIECE SILICONE GASKET, IES FULL CUTOFF OPTICS, DARK SKY CERTIFIED, SILVER METALLIC POLYESTER POWDER COAT FINISH, 350 mA HIGH-PERFORMANCE LED DRIVER, L70 AT 90,000+ IN 25° C ENVIRONMENTS, 90% POWER FACTOR, UNIVERSAL VOLTAGE (120-277V), 10kV SURGE PROTECTOR, TERMINAL BLOCK SUPPLIED AS STANDARD, TYPE III LIGHT DISTRIBUTION, CRI OF 75 FOR 5000K, ROUND POLE PLATE ADAPTER, PHOTOCELL CONTROL, ETL LISTED FOR WET LOCATIONS, IP65 RATED, DLC LISTED, 5 YEAR WARRANTY ON ENTIRE SYSTEM. VISIONAIRE LIGHTING: VLX LED SERIES VLX-1-T3-96LC-3-4K-UNV-AM-SL.

-	12/13/2023		ISSUE FOR BID			JJV	КВТ
REV	DATE		DESCRIPTION			DRN	APP
TITLE:	CON 1200 RIVERPLACE E JACKSONVILLE, PHONE: 904.858.18 CERTIFICATE OF AL	SOULEVARD, SUITE 710 FLORIDA 32207 USA 118 - FAX: 904.396.1143 ITHORIZATION NO. 4321		132 VERO BEA PH	5 74th AVENUE SV ACH, FLORIDA 329 ONE: 772.770.5113	N 968 USA 2	
		ELEC	TRICAL DETAILS I				
PROJECT:		PHASE II - C	ELL 3 CONSTRU	CTION			
SITE:							
		INDIAN RIV	ER COUNTY LANI	DFILL			
THI	S DRAWING MAY NOT BE) FOR PROJECT TENDER RUCTION, UNLESS SEAL	OR ED.	DESIGN BY:	AK	DATE:	DECE	MBER 20
ISSUED CONST	,		DRAWN BY:	JJV	PROJECT NO.:		FL936
ISSUEE CONST							1 0363 4 0
ISSUEE CONST	SIGNATURE	_	CHECKED BY:	тс	FILE:	F	L9303A-C
ISSUEL CONST	SIGNATURE	-	CHECKED BY: REVIEWED BY:	TC SA	FILE: DRAWING NO.:	F	



FOR BIDDING PURPOSES ONLY

LEACHATE COLLECTION/DETECTION SYSTEM CONTROL AND INSTRUMENTATION **RISER DIAGRAM**

PANE	LBOARD LP-LD	S		LOCATIO	N: LEACHATE DET	ECTION SYSTE	Μ	
10	O KA SHORT CIRCUI	IT RATING		ENCLOSURE RATIN	G: NEMA 4X			
		ELECTR		NO MOUNTIN	G: RACK			
	BREAKER				LOAD KV	A	BREAKER	
LINE	AMPS/	LES	CIRCUIT	DESCRIPTION	LINE	LINE	AMPS/	LES
2	POLES	ON	NO.		1	2	POLES	ON
	20 /1	1	2	SPARE			20 /1	
0.1	20 /1	1	4	SPARE			20 /1	
	20 /1	1	6	SPARE			20 /1	
0.5	30 /1	2	8	SPARE			20 /1	
	30 /1	2	10	SURGE PROTECTOR			15 /2	
	20 /1		12		*			
0.6				TOTAL LINE KVA THIS SIDE	0	0		
	_			TOTAL KVA PER LINE	0.3	0.6		
				TOTAL KVA	0.	9		
			NOTES CON	Γ.:				
			2.	BRANCH CIRCUIT WIRING: 3/4"C, 2#10 & 1#10G				

- NOTES:
- 1. DESIGN AND DETAIL TAKEN FROM PERMIT MOD 0128769-022-SC AND CELL 2 CONSTRUCTION DRAWINGS PREPARED BY CDM SMITH.
- 2. INSTALLATION SHALL MEET NEC ARTICLES 500 AND 501 FOR CLASSIFIED AREAS.
- 3. ADD CIRCUIT 9 TO EXISTING LDS PANEL.

CONDUIT AND WIRE LEGEND (NUMBERS REFERENCE THIS SHEET ONLY)

•	•
NO.	DESCRIPTION
$\langle 1 \rangle$	1"C., WITH CABLE PER MFR
2	3/4"C., 6#14, 1#12G
3	2"C., CABLE PER TCU MFR
$\langle 4 \rangle$	3/4"C., 2#12, 1#12G
$\langle 5 \rangle$	3/4"C., 4#14, 1#12G
6	3/4"C., #6 BARE COPPER TO GROUND

-	12/13/2023		ISSUE FOR BID			JJV	KBT
REV	DATE		DESCRIPTION			DRN	APP
TITLE:	Geosyc consu 1200 RIVERPLACE BOULI JACKSONVILLE, FLOR PHONE: 904.858.1818 - F CERTIFICATE OF AUTHOR	Ltec Itants EVARD, SUITE 710 IDA 32207 USA AX: 904.396.1143 RIZATION NO. 4321 ELECTRIC	AL RISER DIAGR	132 VERO BEA PHI VAS	5 74th AVENUE SV ACH, FLORIDA 329 ONE: 772.770.5112	V 968 USA 2	
PROJECT:		PHASE II - C	CELL 3 CONSTRUC	CTION			
SITE:		INDIAN RIV	ER COUNTY LAND	DFILL			
THIS ISSUED CONST	S DRAWING MAY NOT BE FOR PROJECT TENDER OR RUCTION, UNLESS SEALED.		DESIGN BY:	AK	DATE:	DECEN	/IBER 2023
			DRAWN BY:	JJV	PROJECT NO.:		FL9363A
	SIGNATURE		CHECKED BY:	тс	FILE:	FL	9363A-C22
	DATE		REVIEWED BY:	SA	DRAWING NO.:		
KW	ASI BADU-TWENEBOAH LICENSE NO. 42460		APPROVED BY:	KBT	21	_ OF	24

Docs/Geosyntec/INDIAN RIVER CNTY LF CELL 3/Project Files/DRAWINGS/FL9363A-C23

FOR BIDDING PURPOSES ON NOT FOR CONSTRUCTI

PUMP CONTROL PANEL ABBREVIATIONS

	ALARM INDICATOR
PT	CONTROL POWER TRANSFORMER
R*	CONTROL RELAY NO.*
RB	DUPLEX RECEPTACLE BREAKER
ТМ	ELAPSED TIME METER
СВ	GENERATOR CIRCUIT BREAKER
FDR	GROUND FAULT DUPLEX RECEPTACLE
ND	GROUND
R	GENERATOR RECEPTACLE
OA	HANDS-OFF-AUTOMATIC SELECTOR
R	INTRINSICALLY SAFE RELAY
_S	LIQUID LEVEL SWITCH
SHH	LEVEL SWITCH HIGH HIGH
SH	LEVEL SWITCH HIGH
SLL	LEVEL SWITCH LOW LOW
SL	LEVEL SWITCH LOW
DSCP	LEACHATE DETECTION SYSTEM CONTROL PANEL
CSCP	LEACHATE COLLECTION SYSTEM CONTROL PANEL
СВ	MAIN CIRCUIT BREAKER
CP	MOTOR CIRCUIT PROTECTOR
TR	MOTOR MOISTURE/TEMPERATURE RELAY
	NEUTRAL
L	OVERLOAD RELAY
СР	PUMP CONTROL PANEL
М	PHASE MONITOR
	PUMP RUN INDICATORS (PUSH-TO-TEST)
S	STAINLESS STEEL
В	TERMINAL BLOCK
СВ	TCU CIRCUIT BREAKER

TCUDATA FLOW SYSTEMS TCU-001 PUMP CONTROLLERSPDSURGE PROTECTIVE DEVICES

NOTES:

- 1. DESIGN AND DETAIL TAKEN FROM PERMIT MOD 0128769-022-SC AND CELL 2 CONSTRUCTION DRAWINGS PREPARED BY CDM SMITH.
- 2. CONTROL PANEL SHALL MEET APPLICABLE REQUIREMENTS OF SECTION 16191, PARAGRAPH 2.02,B.
- 3. REFER TO PROCESS DIAGRAMS FOR AND SECTION 11207 FOR ADDITIONAL OPERATION AND CONTROL REQUIREMENTS.
- ALL CONDUITS SHALL ENTER/EXIT THROUGH BOTTOM OF PUMP CONTROL PANEL.
- 7. THE BOTTOM OF PUMP CONTROL PANEL SHALL BE 36" ABOVE FINISHED SLAB.

	12/13/2023						.LIV	KRT
REV	DATE			DESCRIPTION			DRN	
	Ge	OSYN consult	tec ants			RIVER OF		
	1200 RIVERP JACKSON PHONE: 904 CERTIFICATE	PLACE BOULEV IVILLE, FLORID 1.858.1818 - FAX E OF AUTHORIZ	ARD, SUITE 710 A 32207 USA K: 904.396.1143 ATION NO. 4321		132 VERO BE/ PH	5 74th AVENUE S ACH, FLORIDA 32 ONE: 772.770.511	W 968 USA 2	
TITLE:		LEACH	ATE DETEC	TION CONTROL PA	ANEL DE	TAILS		
PROJECT	:							
			FHASE II -	JELL 3 CONSTRUC				
SITE:				/ER COUNTY LANI	DFILL			
SITE:	HIS DRAWING MAY I	NOT BE ENDER OR	INDIAN RI	/ER COUNTY LAN	DFILL	DATE:	DECE	MBER 202
SITE: TH ISSUE CONS	IS DRAWING MAY I D FOR PROJECT T TRUCTION, UNLES	NOT BE ENDER OR SSEALED.	INDIAN RIV	/ER COUNTY LANI DESIGN BY: DRAWN BY:	DFILL AK	DATE: PROJECT NO.:	DECE	MBER 202 FL9363
SITE: TH ISSUE CONS	HIS DRAWING MAY I ED FOR PROJECT T STRUCTION, UNLES SIGNATURE	NOT BE ENDER OR SS SEALED.	INDIAN RIN	/ER COUNTY LANI DESIGN BY: DRAWN BY: CHECKED BY:	DFILL AK JJV TC	DATE: PROJECT NO.: FILE:	DECE	MBER 202 FL9363 L9363A-C2
SITE: TH ISSUE CONS	HIS DRAWING MAY I D FOR PROJECT T STRUCTION, UNLES SIGNATURE	NOT BE ENDER OR SS SEALED.	INDIAN RIV	/ER COUNTY LANI DESIGN BY: DRAWN BY: CHECKED BY: REVIEWED BY:	DFILL AK JJV TC SA	DATE: PROJECT NO.: FILE: DRAWING NO.:	DECE	MBER 202 FL9363, L9363A-C2

NTRACTOR IS RESPONSIBLE FO INTATION, AND THE RELEASE OF AND FEDERAL REQUIREMENTS. INTRACTOR IS RESPONSIBLE FO ITION PLAN (SWPPP). THE SWPP VAL PRIOR TO CONSTRUCTION A AN, EROSION CONTROL PLAN, A IATION AND SWPPP COMPLIANCI OF THE GENERIC PERMIT FOR ST TES, COPY OF INSPECTION AND CONSTRUCTION. THIS SWPPP F QUIREMENTS. THE CONTRACTOF DNDITIONS CHANGE. INTRACTOR IS RESPONSIBLE FO NTABLE FOR IMPLEMENTING EAC VIDER PENALTY OF LAW THAT IONS OF THE STATE OF FLORIDA IALL CONSTRUCTION ACTIVITIES JNDER." ALL SUBCONTRACTORS ICATIONS ARE TO BE HELD BY TH NTRACTOR SHALL DEVELOP ANI DANCE WITH THE GENERAL REG AUTHORIZE THE CONSTRUCTION INTRACTOR SHALL DEVELOP ANI DANCE WITH THE GENERAL REG AUTHORIZE THE CONSTRUCTION NTRACTOR SHALL BE RESPONS INSTRUCTION ACTIVITIES TO ME NTRACTOR SHALL APPLY FOR A RGE FROM THE LARGE AND SMA NMENTAL PROTECTION (FDEP) A IDESCRIPTION: EXISTING SOLID URE OF CONSTRUCTION ACTIVIT FILL EXPANSION VIA CONSTRUCTION RED FOR SHALL PROVIDE A DI TOR CONSTRUCTION ACTIVITIES INTRACTOR SHALL PROVIDE A DI TOR CONSTRUCTION ACTIVITIES INTRACTOR SHALL APPLY FOR A RGE FROM THE LARGE AND SMA NMENTAL PROTECTION (FDEP) A	R EMPLOYING ANY AND ALL MEA TURBID DISCHARGES FROM THE P SHALL BE SUBMITTED TO THE ACTIVITIES. THE COMPLETE AND I NARRATIVE DESCRIPTION, PROJ E AGREEMENTS FOR ALL CONTR ORMWATER DISCHARGE FROM L CORRECTIVE ACTION REPORTS / PLAN SHEET IS INTENDED TO BE I R SHOULD MODIFY THIS SWPPP T R IDENTIFYING THE RESPONSIBL CH MEASURE DESCRIBED IN THE MUST PREPARE AND SIGN THE FO I UNDERSTAND, AND SHALL COI A GENERIC PERMIT FOR STORMW 5 AND THIS STORMWATER POLLU 3 ARE REQUIRED TO SIGN A COPY HE CONTRACTOR AS PART OF THE D APPROVE A STORMWATER POL QUIREMENTS AND/OR ANY SPECIA N OF THE PROJECT. IBLE FOR IMPLEMENTING, MONIT ET CHANGING PROJECT SITE CO ALL CONSTRUCTION SITES FROM ALL FEES SHALL BE PAID BY THE WASTE DISPOSAL SITE/INDUSTR TY: TION OF A NEW CELL, SEGMENT ENT 2, ARE PROPOSED. BING ACTIVITIES: ETAILED SEQUENCE OF CONSTR	SURES TO PREVENT EROSION, CONSTRUCTION SITE PER LOCAL, NG A STORMWATER POLLUTION DWNER FOR REVIEW AND TINAL SWPPP SHALL INCLUDE THE ECT NOTES, CONTACT ACTORS AND SUBCONTRACTORS, A ARGE AND SMALL CONSTRUCTION ND SWPPP AMENDMENTS MADE DISPLAYED ONSITE TO MEET NPDES HROUGHOUT CONSTRUCTION AS E PARTY OR SUBCONTRACTOR SWPPP AND DELEGATING SWPPP DULOWING CERTIFICATION: "I MPLY WITH, THE TERMS AND ATER DISCHARGE FROM LARGE TION PREVENTION PLAN PREPARED OF THE CERTIFICATION AND ALL E COMPLETE SWPPP. LUTION PREVENTION PLAN IN L CONDITIONS OF ALL PERMITS DRING AND MODIFYING THE SWPPP NDITIONS. RMIT FOR STORMWATER THE FLORIDA DEPARTMENT OF CONTRACTOR AL FACILITY.	 2.A.1 STABILIZATION PRACTICES: THE CONTRACTOR SHALL DESCRIBE THI CONTRACTOR SHALL INITIATE ALL STABIL THAN 7 DAYS, IN PORTIONS OF THE SITE PERMANENTLY CEASED. THE STABILIZAT OTHERWISE APPROVED BY THE ENGINE TEMPORARY: ARTIFICIAL COVERINGS. SOD. PERMANENT: SOD IN ACCORDANCE WITH PLANS. SOD. 2.A.2 STRUCTURAL PRACTICES: THE CONTRACTOR SHALL DESCRIBE THI AND OTHERWISE PREVENT THE DISCHAI CONTROLS SHALL BE IN PLACE BEFORE PRACTICES SHALL INCLUDE AT LEAST THE TEMPORARY: SILT FENCE IN ACCORDANCE WITH PLANS. SOD. INLET PROTECTION IN ACCORDANCE SEDIMENT BASIN: TEMPORARY STACE STORMWATER CONVEYANCE: STABIL FLOATING TURBIDITY BARRIER IN ACCORDANCE SLOPE CONTROLS SUCH AS EROSICE PERMANENT: SOD IN ACCORDANCE WITH PLANS. SOD. 2.B STORMWATER MANAGEMENT:
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OR ACTIVITIES FOR CONTROLLIN	N OF PERMIT THE CONTRACTOR	JCTION FOR ALL CONSTRUCTION	2.C OTHER CONTROLS:
CH CONSTRUCTION PHASE INST	NG EROSION AND TRAPPING SED	MENT.	2.C.1 WASTE DISPOSAL: THE CONTRACTOR SHALL DESCRIBE THI
RUCTION PHASE. REMOVE PERIN ZED AND A WRITTEN APPROVAL	METER CONTROLS ONLY AFTER A IS RECEIVED FROM THE ENGINE	LL UPSTREAM AREAS ARE ER.	* PROVIDING LITTER CONTROL AND C
A ESTIMATES:			* DISPOSING OF ALL FERTILIZER OR C PRACTICES AS DETAILED BY THE MA
SITE AREA: 275 ACRES AREA TO BE DISTURBED: APPRO	XIMATELY 45 ACRES		 * DISPOSING OF SOLID MATERIALS IN SITE BUT NOT IN SURFACE WATERS
IOFF DATA:			2.C.2 OFFSITE VEHICLE TRACKING & DUS
XIMATE RUNOFF COEFFICIENTS: E: 0.9 0.9			THE CONTRACTOR SHALL DESCRIBE THI SEDIMENTS AND GENERATING DUST. TH UNLESS OTHERWISE APPROVED BY THE
DATA: SEE GEOTECHNICAL ENGIN LL AREA" PREPARED BY KSM ENG	NEERING REPORT: "INDIAN RIVEF GINEERING AND TESTING DATED	COUNTY PROPOSED NEW OCTOBER 18, 2017.	 COVERING LOADED HAUL TRUCKS V REMOVING EXCESS DIRT FROM ROA
L INFORMATION: CONTROL STR	UCTURE WITH PIPE CONNECTION	- NO CHANGES PROPOSED	* STABILIZING CONSTRUCTION ENTRA * USING ROADWAY SWEEPERS DURIN
FURE(S) NUMBER(S): 1 ING WATER BODIES: INDIAN RIVE DISTRICT	ER FARMS WATER CONTROL 'S C-6 CANAL TO THE INDIAN RIVI	RLAGOON	OPERATIONS, IF APPLICABLE. 2.C.3 STATE AND LOCAL REGULATIONS F
MAP:			THE CONTRACTOR SHALL DESCRIBE THI LOCAL REGULATIONS FOR WASTE DISPO
RAINAGE PATTERNS: DISTURBED WATER STRUCTURES WILL DISC V THE EXISTING DRAINAGE PATT	D AREA TO BE GRADED TO DRAIN HARGE TO THE EXISTING SWALE TERN.	TO PROPOSED STRUCTURES. S AND INTERIOR DITCH AND WILL	2.C.4 FERTILIZERS AND PESTICIDES: THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES SHALL COMPL SPECIFICATIONS
PPROXIMATE SLOPES: THE SITE	GRADES AND SLOPES ARE PRES	ENTED IN THE DRAINAGE	2.C.5 TOXIC SUBSTANCES:
SHEET.			THE CONTRACTOR SHALL PROVIDE A LIS PROVIDE A PLAN ADDRESSING THE GEN SUBSTANCES.
EAS OF SOIL DISTURBANCE: ALL AF	REAS WITHIN THE LIMITS OF CONST	RUCTION AS SHOWN ON SITE PLAN.	2.C.6 STATE AND LOCAL PLANS AND PER
EAS NOT TO BE DISTURBED: AREAS EAS TO BE STABILIZED: TEMPORAR IPORARY SOIL DISTURBANCE. PER NG PLAN SHEET.	S OUTSIDE LIMITS OF CONSTRUCTION RY STABILIZATION PRACTICES ARE RMANENT STABILIZATION IS SHOWN	DN. REQUIRED FOR AREAS OF ON THE PAVING, DRAINAGE AND	 * FDEP NOTICE OF INTENT FOR STORI
TROLS			* THE CONTRACTOR IS RESPONSIBLE ADEQUATE DEWATERING SYSTEM T
SION AND SEDIMENT CONTROLS:			CONTRACTOR TO OBTAIN ST. JOHNS A DEWATERING PLAN SHALL BE DEV
NTRACTOR SHALL DEVELOP A SWF WATER RUNOFF TO MINIMIZE EROS ACTOR SHALL MODIFY THE PLAN TO IES. AND THE NEED FOR BETTER P	PPP FOR REVIEW AND APPROVAL B SION AND TRANSPORT OF SEDIMEN O ADAPT TO SEASONAL VARIATION PRACTICES.	Y OWNER TO MANAGE THE TS. AS WORK PROGRESSES, THE CHANGES IN CONSTRUCTION	* THE CONTRACTOR SHALL COMPLET TO ANY CONSTRUCTION ACTIVITIES
ITELY NO WORK WILL BE ALLOWED ATED WETLAND AREA, UNLESS OT D BY PERMIT FROM GOVERNMENT) WITHIN ANY CONSERVATION ARE/ HERWISE SPECIFICALLY DESCRIBE FAL AGENCY HAVING JURISDICTION	A, BUFFER AREA, MITIGATION AREA OR D BY THE CONSTRUCTION PLANS AND OVER THE PROJECT.	* WHEN ALL DISTURBED SOILS HAVE I MEASURES HAVE BEEN REMOVED, T ASSOCIATED WITH THE CONSTRUCT
O CLEARING AND GRUBBING, THE	LIMITS OF CONSTRUCTION SHALL I ECT NATURAL AREAS FROM ENCRO	BE CLEARLY MARKED ALONG THE ACHMENT OF CONSTRUCTION	NOI, THE CONTRACTOR SHALL OBTA STABILIZATION.
SED RIGHT OF WAY LINE TO PROTE IES.	AS SHALL BE PROTECTED AGAINST	EROSION. THE CONTRACTOR SHALL E ANY PORTION, WHICH IN THE DUE TO CARELESSNESS OR	
	RAINAGE PATTERNS: DISTURBEI WATER STRUCTURES WILL DISC / THE EXISTING DRAINAGE PATT PROXIMATE SLOPES: THE SITE SHEET. AS OF SOIL DISTURBANCE: ALL AF AS NOT TO BE DISTURBED: AREAS AS TO BE STABILIZED: TEMPORAF PORARY SOIL DISTURBANCE. PEF NG PLAN SHEET. FROLS SION AND SEDIMENT CONTROLS: NTRACTOR SHALL DEVELOP A SWI /ATER RUNOFF TO MINIMIZE EROS CTOR SHALL MODIFY THE PLAN TO ES, AND THE NEED FOR BETTER F TELY NO WORK WILL BE ALLOWED ATED WETLAND AREA, UNLESS OT D BY PERMIT FROM GOVERNMENT O CLEARING AND GRUBBING, THE ED RIGHT OF WAY LINE TO PROTE ES. EMBANKMENT AND GRADED AREA	RAINAGE PATTERNS: DISTURBED AREA TO BE GRADED TO DRAIN WATER STRUCTURES WILL DISCHARGE TO THE EXISTING SWALES / THE EXISTING DRAINAGE PATTERN. PPROXIMATE SLOPES: THE SITE GRADES AND SLOPES ARE PRES SHEET. AS OF SOIL DISTURBANCE: ALL AREAS WITHIN THE LIMITS OF CONSTI AS NOT TO BE DISTURBED: AREAS OUTSIDE LIMITS OF CONSTRUCTION AS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE F PORARY SOIL DISTURBANCE. PERMANENT STABILIZATION IS SHOWN NG PLAN SHEET. IROLS SION AND SEDIMENT CONTROLS: ITRACTOR SHALL DEVELOP A SWPPP FOR REVIEW AND APPROVAL B' (ATER RUNOFF TO MINIMIZE EROSION AND TRANSPORT OF SEDIMEN' CTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, ES, AND THE NEED FOR BETTER PRACTICES. TELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA ITED WETLAND AREA, UNLESS OTHERWISE SPECIFICALLY DESCRIBEI D BY PERMIT FROM GOVERNMENTAL AGENCY HAVING JURISDICTION OC LEARING AND GRUBBING, THE LIMITS OF CONSTRUCTION SHALL E ED RIGHT OF WAY LINE TO PROTECT NATURAL AREAS FROM ENCROV ES. EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST ONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLAC OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR D INCE ON THE PART OF THE STABILITY OF EMBANKMENTS AND SHALL REPLAC OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR D INCE ON THE PART OF THE CONTRACTOR	ANAGE PATTERNS: DISTURBED AREA TO BE GRADED TO DRAIN TO PROPOSED STRUCTURES. WATER STRUCTURES WILL DISCHARGE TO THE EXISTING SWALES AND INTERIOR DITCH AND WILL / THE EXISTING DRAINAGE PATTERN. PPROXIMATE SLOPES: THE SITE GRADES AND SLOPES ARE PRESENTED IN THE DRAINAGE SHEET. AS OF SOIL DISTURBANCE: ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION AS SHOWN ON SITE PLAN. AS NOT TO BE DISTURBED: AREAS OUTSIDE LIMITS OF CONSTRUCTION. AS NOT TO BE DISTURBED: AREAS OUTSIDE LIMITS OF CONSTRUCTION. AS TO BE STABILIZED: TEMPORARY STABILIZATION PRACTICES ARE REQUIRED FOR AREAS OF PORARY SOIL DISTURBANCE. PERMANENT STABILIZATION IS SHOWN ON THE PAVING, DRAINAGE AND NG PLAN SHEET. TROLS SION AND SEDIMENT CONTROLS: ITRACTOR SHALL DEVELOP A SWPPP FOR REVIEW AND APPROVAL BY OWNER TO MANAGE THE MATER RUNOFF TO MINIMIZE EROSION AND TRANSPORT OF SEDIMENTS. AS WORK PROGRESSES, THE CTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ES, AND THE NEED FOR BETTER PRACTICES. TELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR TIED WETLAND AREA, UNLESS OTHERWISE SPECIFICALLY DESCRIBED BY THE CONSTRUCTION PLANS AND D BY PERMIT FROM GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE PONDECT. O CLEARING AND GRUBBING, THE LIMITS OF CONSTRUCTION SHALL BE CLEARLY MARKED ALONG THE EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION. THE CONTRACTOR SHALL ON ONGRY WILL DE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR TIED WETLAND AREA, UNLESS OTHERWISE SPECIFICALLY DESCRIBED BY THE CONSTRUCTION PLANS AND D BY PERMIT FROM GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE PONDECT. O CLEARING AND GRUBBING, THE LIMITS OF CONSTRUCTION SHALL BE CLEARLY MARKED ALONG THE EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION. THE CONTRACTOR SHALL ONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLACE ANY PORTION, WHICH IN THE OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR DUE TO CARELESSNESS OR OT THE PART OF TH

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E STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE BILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR ATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS EER.

. ALL PLANS 3:1 (H:V) AND STEEPER TO BE SODDED SHALL RECEIVE STAKED

E PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT ARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT E DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

F.D.O.T. DESIGN STANDARD INDEX 102.

AND TRAP SILT.

E WITH F.D.O.T. DESIGN STANDARD INDEX 102.

AGING AREAS TO INCLUDE TEMPORARY SEDIMENTATION BASINS.

BILIZED CHANNEL TO CONVEY RUNOFF AND CONTROL VELOCITIES

CCORDANCE WITH F.D.O.T. DESIGN STANDARD INDEX 103.

ON CONTROL BLANKETS OR TACKIFIERS ON STEEP SLOPES.

. ALL PLANS 3:1 (H:V) AND STEEPER TO BE SODDED SHALL RECEIVE STAKED

) BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENGINEERS.

E PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID ERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS ING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD IANUFACTURER.

VCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT , OR WETLANDS.

ST CONTROL:

PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF HE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, E ENGINEER.

WITH TARPAULINS.

ADS DAILY.

ANCES ACCORDING TO FDOT DESIGN STANDARDS.

NG DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING

FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

HE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND OSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

E PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE

IST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND NERATION, APPLICATION, MIGRATION, STORAGE AND DISPOSAL OF THESE

RMITS TO BE OBTAINED:

PROTECTION (FDEP) ENVIRONMENTAL RESOURCE PERMIT ONFIRM CONSTRUCTION IS AUTHORIZED.

RMWATER DISCHARGE (NPDES): CONTRACTOR TO OBTAIN.

E FOR THE DESIGN, INSTALLATION, PERMITTING AND OPERATION OF AN TO DEWATER EXCAVATIONS FOR CONSTRUCTION IF REQUIRED.

IS RIVER WATER MANAGEMENT DISTRICT PERMIT FOR DEWATERING.

VELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR THE INITIATION OF ANY DEWATERING.

TE AND FILE A NOTICE OF INTENT (NOI) FORM AT LEAST 48 HOURS PRIOR S ON THE SITE.

BEEN STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL THIS CONSTITUTES "ELIMINATION OF STORMWATER DISCHARGES CTION ACTIVITIES". AT THIS TIME THE CONTRACTOR SHALL COMPLETE AND OT) TO THE APPROPRIATE PERMITTING AGENCIES. PRIOR TO SUBMITTING A AIN WRITTEN ACCEPTANCE FROM THE OWNER CONFIRMING FINAL

3.0 MAINTENANCE/INSPECTION PROCEDURES:

THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING AND INSPECTING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL, AT A MINIMUM, COMPLY WITH THE FOLLOWING:

- * NO MORE THAN 10 ACRES OF THE SITE SHALL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. * ALL CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR. THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR
- SOMEONE APPOINTED BY THE CONTRACTOR, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER. * ALL TURBIDITY CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24
- HOURS OF REPORT.
- * BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- * SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- * DIVERSION DIKES/SWALES SHALL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
- * STABILIZED AREAS SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
- * REPAIR ALL OTHER BMPS IMMEDIATELY FOLLOWING DAMAGE OR DISPLACEMENT.
- * MONITOR FLOATING TURBIDITY BARRIERS TO ASSURE THEY ARE WORKING AS INTENDED.
- * A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION. THE REPORTS SHALL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN. THEN REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
- * THE CONTRACTOR WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
- * PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE CONTRACTOR. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

4.0 NON-STORMWATER DISCHARGES:

THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER NOT INDICATED ON THE CONSTRUCTION DRAWINGS, ALL CONSTRUCTION ACTIVITIES SHALL STOP, AND THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD FOR FURTHER INSTRUCTIONS.

NON-STORMWATER DISCHARGES FOR THIS PROJECT ARE EXPECTED TO INCLUDE UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION), PAVEMENT WASH WATER (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE OCCURRED) AND ANY WATER USED FOR DUST CONTROL. IF SAID DISCHARGES DO OCCUR, THEY WILL BE DIRECTED TO THE STORMWATER POND PRIOR TO DISCHARGE. TURBID UNTREATED WATER FROM THE STORMWATER POND SHALL NOT BE DISCHARGED INTO RECEIVING WATERS. TURBID AND OTHER NON-STORMWATER DISCHARGES SHALL BE TREATED SO AS TO NOT ALLOW A DISCHARGE OF POLLUTED STORMWATER. APPROPRIATE TREATMENT MAY INCLUDE TURBIDITY CONTROLS, SETTLING PONDS, THE PROPER USE OF FLOCCULATING AGENTS, OR OTHER APPROPRIATE MEANS.

	-	12/13/2023			ISSUE FOR BID	UE FOR BID			КВТ		
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	Geosyntec consultants					1325 74th AVENUE SW					
	PHONE: 904.858.1818 - FAX: 904.396.1143 CERTIFICATE OF AUTHORIZATION NO 4321					PHONE: 772.770.5112					
	PROJECT:	STORM WATER POLLUTION PREVENTION PLAN ROJECT: PHASE II - CELL 3 CONSTRUCTION									
	SITE: INDIAN RIVER COUNTY LANDFILL										
	THIS ISSUED CONSTF	DRAWING MAY FOR PROJECT 1 RUCTION, UNLES	NOT BE ENDER OR SS SEALED.		DESIGN BY:	KBT	DATE:	DECEM	BER 2023		
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