





										Ρ	UMP : SCH	STATION HEDULE OF		TION S			
STATION STREET ADDRESS	TOP ELEV (NOTE 9)	MERCO LEVEL	ID A ELE	ALARM EVATION	LE BLA	FT ANK	LAG PUMP ON ELEVATION	LEA I ELE	D PUMP ON EVATION	PUN ELE\	1P OFF /ATION	BOTTOM ELEVATION	WET WELL DIA.	DISCH PIPE	HARGE E DIA.	DI	
	A R + 1.0	B P + 0.5	5' F	C - 0.5'		D	E P - 1.0'	F	F ? - 1.5'	F	G - SV	H G - 3'	 	-	J 		
				 A	LL PU	IMPS								-			
MANUFACTURER	WILO/EN	NU	F	FLYGT		H	YDROMATIC	2		KSB			[DISCI	HARG	E	
L													PIPE SIZE		PIPE HO DIA	ОL	
DISCHARGE R (RPM)													(J)		(N)		
EPOWER (HP)													6"		10"	_	
E/VOLT/AMPS (NOTE #3) SEE NOTE #4)													FREE 8"	STAN	DING PU 15"		
N POINT (GPM) @ TDH (FT) UT POINT (GPM) @ TDH (FT)								_					10" 12"		17" 20"		
GENCY MAIN AL SERVICE MAIN													14" & LARGE	ER	-		
TO PUMP NO. 1 TO PUMP NO. 2													WET	WEL	۱ L	N	
ROL PANEL ECB													8	.D. '-0"			
RATOR RECEPTACLE TER (SIZE & TYPE)													10)'-0"		1	
RIC SERVICE (TYPE & SIZE)													12	2'-0"			
STATION INFORMATION NO	TES:																
"SV" = STORAGE VOLUME PI DESIGNED FOR 12 MINUTE (SHALL BE 24". IF PUMP MANUFACTURER R	ER DESIGN E CYCLE TIME,	ENGINEE , MINIMUI GREATEI	R AND M STOF	SHALL E RAGE DE ARATION	BE EPTH I, THA ⁻	T					DESIG 1. EN	<u>N NOTES:</u> NGINEER SH/ DTES TO BE	ALL USE THIS ERASED ON C	PLAN A	AS A BAS		
OR SPOOL PIECES. THE DIFI BY JEA PRIOR TO CONSTRU ADDITIONAL COST TO JEA.	FERENT SEF	PARATIO	N OF F N MUS ⁻ E PRO\	T BE API	D FILL PROVI T NO	ED					2. W 3. M	PUMP	E: STATION W RATE: 50	0 GPM	EACH F	8' יטי	
ALL PUMP MOTORS SHALL E	BE 3 PHASE.			FCTRIC							4. M	INIMUM ELEC 230 VO	CTRIC SERVIC	SIZE 3 PHA	:: SE, 4 WI	RE	
FOR THIS DATA.				LOTRIO							5. M 6. M		CTION MANHO	SIZE: DLE SIZ	:E:		
A GENERATOR RECEPTACE	E SHALL BE	PROVIDE	:D.								7. IT	LOCAT	E ON SAME S			VA) [
RAL NOTES:											SPE THE	E STANDARD	DRAWING SH		HERE.	G	
LL WORK SHALL COMP SUBMERSIBLE SEWAGE EWER STANDARDS MA	PLY WITH S E PUMPING NUAL.	SPECIF G STAT	ICATI IONS	ONS, S " IN JE	SECT A WA	TION 4 ATER	133, AND				0. 110	TO DET CONDU IN THE MINIMU USED.	ICTED. THE R JCTED. THE R SCADA PANE JM -86DB RSSI IF THE HEIGH	POLE C ADIO F L AND I LEVEL	DR TOWE PATH ST MUST BE IS LESS UIREME		
ENETRATION SOIL BOF OCATION, SHALL BE SL ORING SHALL BE A MIN IR UNTIL SUITABLE SOI /ET WELL BOTTOM.	RING INFO JBMITTED IIMUM OF L IS LOCA	RMATIO PRIOR 15' DEI TED UI	ON, TA TO D EPER P TO	AKEN A DESIGN THAN A MAX	AT W I SUE WET (IMUN	YETWI BMITT WELI M OF 1	ELL "AL. SOIL _ BOTTON 25' BELO\	M W			7. TH TH EL 8. FL	HE PUMP ST/ HE "R" ELEVA LEVATION, W LOW METER: JLTRASONIC	ATION TOP EL ITION SHALL E HICHEVER IS	EVATIO BE EQU HIGHEI R CONF	ON SHAL IAL TO T R. FIGURAT	il e He	
IPING WITHIN THE WET TEEL, (SCHEDULE 10, C HE WET WELL SHALL B VELDING OF PIPING IS N CCESSORIES WITHIN T	WELL SH DNE PIECE E FLANGE NOT ALLO	IALL BE E CONS ED 316 WED. A	E FLAN STRUC STAIN ALL N	NGED (CTION) NLESS IUTS, B	316 S). FIT STEI SOLT:	STAIN TINGS EL. BU S ANI	LESS S WITHIN JTT D	1		SI Pl Di	TE LIG JMP S1 ETAILS	HT - SEE TATION SHEET					
ITTINGS OUTSIDE OF T TAINLESS STEEL (FLAN	HE WET V	VELL AI	ND AE E 10).	BOVE O ALL W	GROL		SHALL BE	L.		A P D	LTERN OLE LC UMP S ⁻ ETAILS	ATE ANTEN DCATION SE FATION RTU	INA IE J				
HALL BE 150# RF SOCK UTS SHALL BE 316 STA NEVER SEIZE" TYPE CO	(ET-WELD IINLESS S DATING.	FLANG	BE. AL ND SI	L BOL HALL E	TS, \ BE CC	WASH DATE	IERS AND D WITH	C		C(C(R ⁻	OMBINI ONTRO TU PAN	ED MOTOR L CENTER a	&				
LL EXTERIOR JOINTS C EALED WITH A 12" WID SEE JEA SPEC).	OF PRECA E RUBBEF	ST CON RIZED A	NCRE ⁻ SPHA	TE WE ALT ME	T WE EMBR	ELLS S RANE	SHALL BE TAPE.	Ē		AI Pl Di	NTENN JMP ST ETAILS	A POLE - SE ATION RTU					
HE VOID AREAS BETWI EALED w/ EUCOLASTIC EAL. ALL OHTER OPEN ROUT, EXCEPT AS DES	EEN TOP S BY EUCL INGS IN C SCRIBED I	SLAB A ID CITE ONCRE N NOTE	ND FO M CC TE TO E #5. F	ORCE N D. OR A OP WIT PROVII	Main Ppr Th No De In	PIPE OVEE ON-SI ISEC	SHALL B DEQUAL HRINK TSCREEN	SE N		EN (S C(BF	MPTY 3 CH80) ONTRO RING C	/4" PVC CONDUIT TO L PANEL. ONDUIT UN	0	NIN .	3	s' ·	
ROVIDE HOLE IN TOP A ONSTRUCTED OF 1 ¹ / ₂ " V HROUGH CONCRETE T	ND INSEF VIDE x ¹ / ₈ " 1 OP.	RT 8" x 8 Fhick f	3" ALL PLATE	JMINUI E. PROV	M GR VIDE	RATE 6" x 6	VENT 6" OPENIN	١G		C/ PF BC C/	ABINET RESSUI DX. CAI	AND INTO RE METER WITH 3/4"		55		∠_ 2" C(
ROVIDE 2" PIPE (PVC, S APPED TOP AND OPEN /ITH NON-SHRINK GRO OR THE CONSTRUCTIC	SCH. 80) T I END BOT UT. IN THI IN OF THE	HROUC TOM). E FUTU E AIR-R	GH CC SEAL RE, T ELEA	ONCRE AROU HIS PII	TE T ND (PE W LVE I	OP W CONC /ILL B PIPIN	'ITH CRETE TC E UTILIZE G.)P ED		EL ST		C METER O ND SERVIC	N E				
ITE GRADE IS 6" (MIN) E	BELOW TO	OP ELE	VATIC	ON OF I	PUM	P STA	TION SLA	AB.		SE S.	EPARA S. ENC	TE NEMA 4x	EE				
N SILTS, CLAY OR HIGH NCLUDING SOIL GROUP HALL BE OVER-EXCAV/ ACKFILL WITH GRANUL	LY ORGAN PS ML, CL, ATED AN / AR BACK	NIC SOI OL, MH ADDITI(FILL (57	LS (F I, CH, DNAL 7 STO	INE-GF OH AN 12" (AT NE).	raini ND P ⁻ T a M	ED SC T) THI 1IN.) A	DILS E SOILS AND			EL ST SH	LECTRI FANDAI HEETS	UAL RD DETAIL	10' EAS	EMEN		3' √	
RECAST CONCRETE W NTIRE INSIDE SURFACI /ITH APPROVED LINER. IANUFACTURER. SUBM UBMITTAL. SEE SPECIF RY (DE-WATERED) DUF /ELL DIMENSIONS TABI	ETWELL S E OF WET LINER IN IT CERTIF FICATIONS RING THE LE)	SHALL I WELL & STALLE ICATIO S. THE I WET W	MEET & TOP ER MU N WIT EXCA 'ELL II	A.S.T.I SLAB JST BE TH SHC VATED NSTAL	M. C- Shai Cer DP Di Hol Lati	-478 S LL BE RTIFIE RAWI LE SH ON. (\$	STANDAR E LINED ED BY LIN NG IALL BE SEE WET	D, ER						۱			
EE JEA STANDARD SHI ONSTRUCITON DETAIL LECTRICAL.	EETS (AVA S OF SPE	AILABLE CIFIC C	E AT J OMP	IEA.CO ONENT)m) f TS, IN	OR NCLUI	DING								FC	C	





PUMP STATION INFORMATION SCHEDULE OF ELEVATIONS																										
	TOP ELEV (NOTE 9)	MERCOID LEVEL	ALARM 2nd PUI ELEVATION	d LAG 1st L MP ON PUMI	LAG LE		UMP OFF	BOTTOM ELEVATION	WET WE		ARGE DISCHARC DIA. F.M. DIA	E BOTTOM SLAB	BOTTON SLAB THICKNE	M PER H DIA. (HOLE . (SEE	LEFT BLANK	CON ELEV	TROL ATION	PUMP SUCTION CLEARANCE	SITE FLOOD ELEVATION (DESIGN	∾ н	IATCH				
PUMP STATION STREET ADDRESS	A	В	C		E	F	G	H	I	J	K		' (INCHES	5) NOT	N	0	-	P	(INCHES)	NOTE 9)		SIZE			/ISIONS	
	R + 1.0	P + 0.5' 	P - 0.5' P 	- 1.0' P - MPS	1.5'	P - 2.0' 	F - SV 	G - 3' 									-								RE	
	WILO/EN	ΛU	FLYGT	HYDROI	MATIC	ĸ	SB		DISC				T WELL)			THE COM	MBINED	MOTOR (MCC P	ANEL	NEL SHALL	L BE		Ш С		
							-	PIPE	E SIZE			ION PUMP		(MIN.)		AS NOTE SHOP DR	ED BELO RAWING	W. CON PACKAG	TRATOR SH	HALL SUBMIT COM FOR D	F APPLICA ETAILS.	BLE		S		
							-		4" 6"	10"	26"	4			$\exists L$		FIXED 24 M	40/120 VO	PANEL: DLT, 3 PHAS FARTING, 1	SE, OPEN DE 5 STARTS PE	ELTA, FULL ER HOUR	L VOLTAG	SE	Щ	ATE	
PHASE/VOLT/AMPS (NOTE #3)							-		REE STA	NDING PUI 15"	MP OUT FOR PI	PE SIZES GRE	ATER THAN	l 6" 			FIXED 48 15	SPEED I 80 VOLT, 5 STARTS	PANEL:: 3 PHASE, F 8 PER HOU	FULL VOLTA	GE MOTOF	R STARTII	NG,	S S		
DESIGN POINT (GPM) @ TDH (FT)							-		0"	17" 20"	44"	10			\neg		1P-3P 48	VFD PAN 80/277 VC	IEL:: DLT, 3 PHAS	SE, WYE, FU		GE MOTO)R		BY	
EMERGENCY MAIN					 			14" & I	ARGER	-	-	14" & LA	RGER				3P VF	D PANEL 80/277 VC	:: DLT, 3 PHAS	SE, WYE, RE		OLTAGE			ġ	
CB #1 TO PUMP NO. 1 CB #2 TO PUMP NO. 2							-			W							М	IOTOR ST	TARTING, 1	0 STARTS PE	ER HOUR					
CONTROL PANEL MCB							-		I.D.	:LL	(MIN) -		SS (MIN))	DESIGN 1. EN	N NOTES:	SHALL USE	THIS PLAN AS	S A BASIS OF DI	ESIGN FOR S	SITE SPECIF	FIC PUMP STATI	ION.		N
GENERATOR RECEPTACLE STARTER (SIZE & TYPE)							-		12'-0"		1'-0"		1'-0)"		2. TR	RIPLEX PU	MP STATIC	N SHALL BE U	USED FOR PUM	IP FLOW GRE	EATER THAN	N 1000 G.P.M.		ER	TRATION
ELECTRIC SERVICE (TYPE & SIZE)							-									3. BU 4. WE		EQUIRED F	OR CLASS 3 I	IF PUMPS ARE 7	76-200HP OR	R FLA >= 400	A OR > 3 PUMP	PS.	I ENGINE	A REGIS
	l							J				PON	Y PUMP			5. MI	8" AN 10" A NIMUM FL	ND SMALLE ND LARGE .OW RATE:	R PUMP DISC R PUMP DISC 500 C	CHARGE CHARGE GPM EACH PUN	10'-0" I.D 12'-0" I.D /IP	D. MIN., 27' [D. MIN., 27' [DEEP MAX. DEEP MAX.		DESIGN	FLORID
PUMP STATION INFORMATION NO	TES:				<u>CO</u> 1.	NSTRUCTIC SLOPE CO	<u>ON NOTES</u> ONCRETE	<u>:</u> TO DRAIN	TOWARDS	3	MANUFACTURE MODEL					6. MI	NIMUM EL	ECTRIC SE	ERVICE SIZE: AMP., 3 PHASI	E, 4 WIRE						
1. "SV" = STORAGE VOLUME PE FOR 12 MINUTE CYCLE TIME	ER DESIGN E , MINIMUM S	NGINEER	AND SHALL BE DE DEPTH SHALL BE 2	ESIGNED 24".		STREET C OWNED D	R OTHER RAINAGE	ADJACEN ⁻ FACILITY.	CITY OR	JEA	FLOW GPM @ TI	н				7. MII 8. MII		ONCRETE F	PAD SIZE:	95'x90' E:	5'-0" I.D.					
2. IF PUMP MANUFACTURER R SEPARATION SHALL BE USE	EQUIRES A C		SEPARATION, THA		2.	CONTRAC UNTIL FIN (1) YEAR \	TOR MUS AL ACCEF VARRANT	T MAINTAII TANCE AN Y FROM NU	N LANDSC D SUPPLY JRSERY	APING (ONE -	NPSHR					- IT IS TH	HE ENGINE	EER'S RES	PONSIBILITY	TO DESIGN THI E ENGINEER SH	E SITE TO M ALL MAKE E	IEET FUNCT	TIONALITY AND ORT TO CONFO	SITE DRM		
PRIOR TO CONSTRUCTION A COST TO JEA.	AND SHALL E	BE PROVID	ED AT NO ADDITIO	DNAL	0		IG PLANTS NCE.				ENGINE H.P. SUCTION PIPE S	ZE				9. EN	NGINEER S	SHALL DES		JMP SUCTION F			ON PEAK FLOW.	<i>י</i> .	GNER: NN BY:	CKED BY:
 ALL PUMP MOTORS SHALL E AMPERE INTERRUPTING CA 	BE 3 PHASE. PACITY (AIC)): CONTAC	T ELECTRICAL UT	ILITY	3.	CLOSE AS BE PLACE	D SO AS I	E TO WET	VELL. IT S ERFERE V	AS HALL WITH BGE	DISCHARGE PIP	E SIZE				- 10. HC	TO DE TO D BE C RADI	ONDUCTEI	IF A POLE OF D. THE RADIC THE SCADA F	DLE FOR SCAD R TOWER IS RE D PATH STUDY I PANEL AND MUS	A (SEE ALSC QUIRED A RA MUST BE DO ST BE A MINI	ADIO PATH ONE USING T IMUM OF -86	STION 433): STUDY MUST FI THE SAME TYPE 6DB RSSI. IF TH	FIRST E OF HE	DESI	DATE CHEC DATE
FOR THIS DATA. 5. A GENERATOR RECEPTACLI	E TO BE INS	TALLED RE	EGARDLESS IF			APPARAT FROM WE	US, AND E TWELL.	OOR SHAL	L FACE A	WAY		GEN	ERATOR					N A 20 FOO THEN A T	T POLE CAN E	BE USED. IF TH	IS LESS TH		NTS ARE OVER :	20		sm s
NERAL NOTES:	TO 400 AMP:	5.			4.	SEE GRO SERVICE JEA.COM)	JNDING P GROUNDI	LAN FOR E NG REQUIF	LECTRICA REMENTS	AL (SEE	MANUFACTURE MODEL						ELEV OR T	ATION TH	E "R" ELEVATION AR FLOOD ELI	ION SHALL BE SE ION SHALL BE E EVATION, WHIC	EQUAL TO TH CHEVER IS HI	HE DESIGN IIGHER.	HIGH WATER LE	EVEL		unity .
ALL WORK SHALL COMPLY "SUBMERSIBLE SEWAGE PL	WITH SPE	CIFICAT	IONS, SECTIOI	N 433, R AND	5.	CONTRAC	TOR MUS	T KEEP CC	MPANY S CE UNTIL	IGN	KW					11. FLG MA 12. TH	AG METER	R: CONFIGU ER SHALL	RATION SHAL BE RESPONS	L BE DESIGNED	D BY THE EN D REMOVAL.	igineer.				E E
SEWER STANDARDS MANU	AL.					STATION	ACCEPTE	D.								13. PO	NY PUMP	SHALL OPE	ERATE IN LEA	D LAG CONFIG	URATION.					ပိ
		ΔΤΙΩΝΙ Τ																								00
LOCATION, SHALL BE SUBM BORING SHALL BE A MINIMU	UTTED PR	ATION, T IOR TO [DEEPER	CAKEN AT WET DESIGN SUBMI R THAN WETWE	WELL TTAL. SOIL ELL BOTTO	L DM					F	PROVIDE 5" THICK										RED PRE GRO	OUCED PRES	SSURE BACKFL SSEMBLY. ALL / G AND UNDER (LOW ABOVE CONCRETE		lding
LOCATION, SHALL BE SUBM BORING SHALL BE A MINIMU OR UNTIL SUITABLE SOIL IS WET WELL BOTTOM.	IITTED PR JM OF 15' LOCATED	ATION, T IOR TO I DEEPER DUP TO	TAKEN AT WET DESIGN SUBMI THAN WETWE A MAXIMUM C	WELL TTAL. SOIL ELL BOTTO DF 25' BELC	L DM DW					EASEMENT	PROVIDE 5" THICK CONCRETE SLAB V EXPANSION JOINTS SHOWN	// AS				CKEN NCRETE SE					RED PRE' GRO SLA		SSURE BACKFL SSEMBLY. ALL G AND UNDER (E STAINLESS S VATE IRRIGATIC RVICE IF REQUE ZED BY ENGINE	LOW ABOVE CONCRETE STEEL. ON WATER IRED EED		Building
LOCATION, SHALL BE SUBM BORING SHALL BE A MINIMU OR UNTIL SUITABLE SOIL IS WET WELL BOTTOM. PIPING WITHIN THE WET WE STEEL, (SCHEDULE 10, ONE THE WET WELL SHALL BE F	IITTED PR JM OF 15' LOCATEL ELL SHALL PIECE CO LANGED 3	ATION, T IOR TO I DEEPER D UP TO BE FLA DNSTRU 316 STAII	AKEN AT WET DESIGN SUBMI THAN WETWE A MAXIMUM C NGED 316 STA CTION). FITTIN NLESS STEEL.	WELL TTAL. SOIL ELL BOTTO F 25' BELC INLESS IGS WITHII BUTT	L DM DW N	 1				10'EASEMENT	PROVIDE 5" THICK CONCRETE SLAB V EXPANSION JOINTS SHOWN	// AS				CKEN NCRETE BE		POTAI TEST	BLE WATER G STATION		RED PRE' GRO SLA	DUCED PRES VENTION A DUND PIPING AB SHALL BF PRI SEF X (SIZ 1-1/2' STAN	SSURE BACKFL SSEMBLY. ALL G AND UNDER (E STAINLESS S' VATE IRRIGATI(RVICE IF REQUI ZED BY ENGINE WATER SERVI NDARD WATER	LOW ABOVE CONCRETE STEEL. ON WATER IRED EER) ICE - SEE JEA & SEWER	A	Building
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PUMP STATION INFORMATION NOTES:

- "SV" = STORAGE VOLUME PER DESIGN ENGINEER AND SHALL BE DESIGNED FOR 12 MINUTE CYCLE TIME, MINIMUM STORAGE DEPTH SHALL BE 24".
- 2. IF PUMP MANUFACTURER REQUIRES A GREATER SEPARATION, THAT SEPARATION SHALL BE USED WITH THE ADDITION OF FLANGED FILLERS OR SPOOL PIECES. THE DIFFERENT SEPARATION MUST BE APPROVED BY JEA PRIOR TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA.
- 3. ALL PUMP MOTORS SHALL BE 3 PHASE.
- AMPERE INTERRUPTING CAPACITY (AIC): CONTACT ELECTRICAL UTILITY FOR THIS DATA.
- 5. A GENERATOR RECEPTACLE TO BE INSTALLED REGARDLESS IF GENERATOR IS PRESET UP TO 400 AMPS.

GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS" IN JEA WATER AND SEWER STANDARDS MANUAL
- 2. PENETRATION SOIL BORING INFORMATION, TAKEN AT WETWELL LOCATION, SHALL BE SUBMITTED PRIOR TO DESIGN SUBMITTAL. SOIL BORING SHALL BE A MINIMUM OF 15' DEEPER THAN WETWELL BOTTOM OR UNTIL SUITABLE SOIL IS LOCATED UP TO A MAXIMUM OF 25' BELOW WET WELL BOTTOM.
- 3. PIPING WITHIN THE WET WELL SHALL BE FLANGED 316 STAINLESS STEEL, (SCHEDULE 10, ONE PIECE CONSTRUCTION). FITTINGS WITHIN THE WET WELL SHALL BE FLANGED 316 STAINLESS STEEL. BUTT WELDING OF PIPING IS NOT ALLOWED. ALL NUTS, BOLTS AND ACCESSORIES WITHIN THE WET WELL SHALL BE 316 STAINLESS STEEL.
- FITTINGS OUTSIDE OF THE WET WELL AND ABOVE GROUND SHALL BE STAINLESS STEEL (FLANGED, SCHEDULE 10). ALL WELD-ON FLANGES SHALL BE 150# RF SOCKET-WELD FLANGE. ALL BOLTS, WASHERS AND NUTS SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH "NEVER SEIZE" TYPE COATING.
- 5. ALL EXTERIOR JOINTS OF PRECAST CONCRETE WET WELLS SHALL BE SEALED WITH A 12" WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (SEE JEA SPEC).
- 6. THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED w/ EUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL. ALL OHTER OPENINGS IN CONCRETE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #5. PROVIDE INSECT SCREEN SECURED TO TOP.
- 7. PROVIDE HOLE IN TOP AND INSERT 8" x 8" ALUMINUM GRATE VENT CONSTRUCTED OF 1 $\frac{1}{2}$ " WIDE x $\frac{1}{8}$ " THICK PLATE. PROVIDE 6" x 6" OPENING THROUGH CONCRETE TOP.
- 8. PROVIDE 2" PIPE (PVC, SCH. 80) THROUGH CONCRETE TOP WITH CAPPED TOP AND OPEN END BOTTOM). SEAL AROUND CONCRETE TOP WITH NON-SHRINK GROUT. IN THE FUTURE, THIS PIPE WILL BE UTILIZED FOR THE CONSTRUCTION OF THE AIR-RELEASE VALVE PIPING.
- 9. SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.
- 10. IN SILTS, CLAY OR HIGHLY ORGANIC SOILS (FINE-GRAINED SOILS INCLUDING SOIL GROUPS ML, CL, OL, MH, CH, OH AND PT) THE SOILS SHALL BE OVER-EXCAVATED AN ADDITIONAL 12" (AT A MIN.) AND BACKFILL WITH GRANULAR BACKFILL (57 STONE).
- 11. PRECAST CONCRETE WETWELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WETWELL & TOP SLAB SHALL BE LINED WITH APPROVED LINER. LINER INSTALLER MUST BE CERTIFIED BY LINER MANUFACTURER. SUBMIT CERTIFICATION WITH SHOP DRAWING SUBMITTAL. SEE SPECIFICATIONS. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
- 12. SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCITON DETAILS OF SPECIFIC COMPONENTS, INCLUDING ELECTRICAL

CONSTRUCTION NOTES:

- STREET OR OTHER ADJACENT CITY OR JEA OWNED DRAINAGE FACILITY.
- UNTIL FINAL ACCEPTANCE AND SUPPLY ONE (1) YEAR WARRANTY FROM NURSERY SUPPLYING PLANTS FROM DATE OF ACCEPTANCE.
- 3. DEMARCATION BOX SHALL BE PLACED AS CLOSE AS POSSIBLE TO WETWELL. IT SHALL BE PLACED SO AS NOT TO INTERFERE WITH ACCESS TO THE WETWELL OR DISCHARGE APPARATUS, AND DOOR SHALL FACE AWAY FROM WETWELL.
- SEE GROUNDING PLAN FOR ELECTRICAL SERVICE GROUNDING REQUIREMENTS (SEE JEA.COM).
- AND PHONE NUMBER ON FENCE UNTIL STATION ACCEPTED.





		FENCE NOTES					
		1. FENCE TO BE INSTALLED AS INDICATED ON SITE PLAN.					
GALVANIZED		 GATE POST TO BE 4" O.D. PVC COATED GALVANIZED STEEL PIPE. CORNER POST TO BE 3" O.D. PVC COATED GALVANIZED STEEL PIPE. LINE POST TO BE 2 1/2" O.D. PVC COATED GALVANIZED STEEL PIPE. 	<u>0</u>	ONS			
FABRIC		3. ALL FENCE SHALL BE GROUNDED IN ACCORDANCE WITH JEA GROUNDING STANDARDS.		REVIS			
TED STEEL, H MESH WITH SLATS	BLA	4. BONDING WIRE BETWEEN GATE POST IS NOT REQUIRED WHERE EXISTING ROAD PAVING OR RAILROAD TRACKS WOULD MAKE INSTALLATION IMPRACTICAL.	РЕ(
ENCE FABRIC TED, 2-INCH		5. ALL FENCING SHALL BE IN ACCORDANCE WITH JEA SPECIFCATION NO. 492.	S				
		 EMBEDDED CONCRETE PORTION OF FENCE POST SHALL HAVE MASTIC SEAL OR EQUAL COATING TO A MINIMUM OF 6" ABOVE FINISH GRADE. 	SITE	DATE			
		7. A DOUBLE 14' WIDE SLIDE GATE. IS AN ACCEPTABLE OPTION.	Ű	BY			
		8. FENCE FABRIC SHALL BE KNUCKLED ON TOP AND TWIST ON BOTTOM.					
		9. ALL FENCING, RAILS, POSTS, BRACKETS, BOLTS ETC. WILL BE PVC COATED		S S	9 10 4	ю vi +	
	PLA	NTING NOTES:				o.	
	1.	JEA IS NOT REQUIRED TO PLANT ANY LANDSCAPING OUTSIDE OF THE PROPERTY LINE. THIS E REPRESENTS THE MINIMUM AMOUNT OF LANDSCAPING REQUIRED IF LANDSCAPING IS PROVI WITHIN THE 10' EASEMENT. HOWEVER, ADDITIONAL PLANTINGS WILL BE ALLOWED IN THE 10' E WITH APPROVAL FROM JEA, OR JEA'S REPRESENTATIVE.	DRAWING DED EASEMENT	IGINEER		EGISTRATION NO	
	2.	JEA IS NOT RESPONSIBLE FOR THE MAINTENANCE OF LANDSCAPE MATERIAL OUTSIDE OF THE PROPERTY LINE. IF LANDSCAPING IS REQUIRED BY OTHER GOVERNMENT AGENCIES, THE RE LANDSCAPING SHALL BE INSTALLED IN THE 10' EASEMENT BY THE DEVELOPER AND MAINTAIN UNDERLYING LAND OWNER.	E QUIRED ED BY THE	DESIGN EN		FLORIDA RI	
	3.	IT IS NOT THE RESPONSIBILITY OF JEA TO PROVIDE IRRIGATION WITHIN THE 10' EASEMENT. HE JEA WILL ALLOW IRRIGATION WITHIN THE EASEMENT WITH THE UNDERSTANDING THAT SUCH IRRIGATION IS MAINTAINED BY THE CONTRACTOR RESPONSIBLE, OR OTHER RESPONSIBLE PARTY, OR H.O.A. IS NOT INVOLVED IN THE PUMP STATION SITE, ONLY THEN WILL JEA BE RESPONSIBLE FOR PROVIDING IRRIGATION SYSTEM. WHEN IRRIGATION IS REQUIRED BY OTHER GOVERNMENT AGENCIES, TRESPONSIBLE PARTY WILL PROVIDE AN IRRIGATION SYSTEM WITH A RAIN SENSOR IN ACCORD WITH SPECIFICATIONS SECTION 433. THE TREES SHALL BE IRRIGATED WITH BUBBLERS, THE SWITH A MICRO IRRIGATION SYSTEM AND SOD WITH SPRAY HEADS.	OWEVER, ARTY, DT G AN HE DANCE SHRUBS	ESIGNER:	ATE: 	HECKED BY: ATE:	
		FOR STATION WITHIN DUVAL COUNTY, THE TREES, SHRUBS AND SOD SHALL ALL BE IRRIGATE SEPARATED ZONES. SPRAYS, ROTORS OR MICRO IRRIGATION ARE NOT PERMITTED ON SAME SEE COJ CODE 656.1212.	D ON ZONE.				
	4.	THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT SITE CONDITIONS QUANTITIES INDICATED ON THESE PLANS, BEFORE PRICING WORK.	AND ALL			n i ty	
	5.	ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER NURSERY GROWN IN ACCO TO FLORIDA GRADES AND STANDARDS HANDBOOK.	DRDANCE		X	n E E	
	6.	PLANTS SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL BRANCHED AND DENSELY FOLIATION IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS OR LARVAE AND SHALL HAVE HEAR WELL DEVELOPED ROOT SYSTEMS. THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ADVE CONDITIONS THAT WOULD PREVENT THRIVING GROWTH.	ED WHEN ALTHY, ERSE			ding Co	
	7.	ALL PLANTS MUST BE CONTAINER GROWN OR AS INDICATED IN THE PLANT LIST.					
	8.	ALL PLANTS SHALL CONFORM TO THE VARIETIES INDICATED IN THE PLANT LIST.					
	9.	SUBSTITUTION OF PLANT MATERIALS WILL NOT BE PERMITTED UNLESS AUTHORIZED IN WRITI JEA, AGENCY LANDSCAPE ARCHITECT OR THE ENGINEER.	NG BY				
	10.	PLANT MATERIAL LOCATIONS AND BED OUTLINES SHALL BE STAKED OR FLAGGED ON SITE BY CONTRACTOR AND SHALL BE ADJUSTED IF REQUIRED TO FIT ACTUAL AS-BUILT CONDITIONS O AND APPROVED BY JEA OR JEA'S REPRESENTATIVE.	THE DN SITE				
	11.	ALL PROPOSED TREE PLANTING LOCATIONS SHALL BE STAKED OR FLAGGED BEFORE INSTAL THE LANDSCAPE CONTRACTOR AND APPROVED BY JEA OR JEA'S REPRESENTATIVE.	LATION BY				
	12.	ALL CONTAINER GROWN ROOTBALLS SHALL BE CAREFULLY SCOURED BEFORE SETTING IN PL	ANT PITS.				
	13.	ALL BACKFILL AROUND PLANT MATERIAL SHALL BE WORKED FIRMLY, TAMPED AND WATERED AND AROUND THE ROOT BALL TO FILL ALL VOIDS.	IN UNDER			, _A	
	14.	LANDSCAPE CONTRACTOR SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAIN PLANTED AREAS. ANY DISCREPANCY IN THE DRAWINGS, OBSTRUCTION ON THE SITE, OR PRIV WORK DONE BY ANY OTHER PARTY, WHICH THE CONTRACTOR FEELS PRECLUDES ESTABLISH PROPER DRAINAGE SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR CORRECTION OR RELIEF OF SAID RESPONSIBILITY.	IAGE OF OR TO HING	TANDARI	STATION	CAPE PL	
	15.	PLANTING BEDS SHALL BE CUT OR EDGED TO FORM A UNIFORM CLEAN LINE BETWEEN BEDS AREAS.	AND LAWN	A S		NDS(
	16.	AFTER ALL PLANT MATERIAL IN A PLANT BED AREA HAS BEEN INSTALLED AND APPROVED, TH BETWEEN PLANTS SHALL BE RAKED TO AN EVEN GRADE TO CONFORM TO PRE MULCHING FIN GRADES. ALL PLANTING BEDS AND PLANT SAUCERS SHALL THEN BE UNIFORMLY COVERED W MINIMUM THREE INCH LAYER OF #2 GRADE OR BETTER CYPRESS MULCH, PINE STRAW OR OT ACCEPTABLE MATERIAL.	E AREAS IISH /ITH A HER JEA			LAN -	
	17.	PLANT MATERIAL BACKFILL MIXTURE SHALL BE THOROUGHLY MIXED IN THE FOLLOWING PREPARATIONS: 50% EXISTING CLEAN TOPSOIL 50% SOIL MIX 1/3 TOPSOIL 1/3 PEAT 1/3 COW MANURE					
	18.	THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL FINE GRADING PREPARATION FOR	PLANTING.				
	19.	ROUGH GRADES WILL BE ESTABLISHED BY THE OWNERS GENERAL CONTRACTOR AT APPROX INCHES BELOW CURBS, SIDEWALKS, HARDSCAPE AMENITIES, MOWING STRIPS AND ABUTMEN	IMATELY 3 TS.				
	20.	THE JEA OR JEA'S REPRESENTATIVE SHALL HAVE THE RIGHT TO REJECT ANY AND ALL WORK HIS OPINION DOES NOT MEET WITH THE REQUIREMENTS OF THE SPECIFICATIONS AT ANY STA THE PROJECT OPERATION.	WHICH IN AGE OF				
1	21.	IN GENERAL, THE WORK SHALL PROCEED AS RAPIDLY AS THE SITE BECOMES AVAILABLE. KEI AREAS OF WORK CLEAN, NEAT, AND ORDERLY AT ALL TIMES.	EP ALL	No			
$\left(\right)$	22.	THERE WILL BE SPECIAL CARE TO ALL EXISTING TREES TO BE RETAINED ON SITE TO AVOID CONSTRUCTION DAMAGE.		PROJ.	DATE:	SCALE	
¥∕ F	23.	A BACKFLOW PREVENTION SHALL BE INSTALLED AS REQUIRED.		TS	 	Ö	
с Т	24.	AFTER THE LANDSCAPE PLAN IS APPROVED BY THE GOVERNMENTAL AGENCY ANY SUBSEQU CHANGES MUST BE RESUBMITTED FOR REVIEW AND APPROVAL.	ENT	NO. SHEE	SHEET NC	DRAWING I	



									PUMP SCH	STATION HEDULE OF	INFORMA ELEVATION		
T)		PUMP STATION STREET	TOP ELEV (NOTE 9)	MERCOID LEVEL	ALARM LEFT ELEVATION BLANK		LAG PUMP ON ELEVATION	LEAD PUMP ON ELEVATION	PUMP OFF ELEVATION (NOTE #1)	BOTTOM ELEVATION (NOTE #5)	WET WELL DIA.		
√P (316 S.S.)		ADDICESS	A	B P+05'	C	D	E P-10'	F P-15'	G F - SV	H G - 3'			
S.)													
AND R & WEIGHT)	PUM	P MANUFACTURER EL	WILO)/EMU 	ALL P	ALL PUMPS FLYGT HYDRO			к -	(SB 			
	IMPE				-		-		-		PIF		
٨	мот	OR (RPM)			-		-		-				
A	HOR	SEPOWER (HP)			-		-		-				
T	PHAS	SE/VOLT/AMPS (NOTE#3)			-		-		-				
ユ ヽ	DESI	SEE NOTE #4) GN POINT (GPM) @ TDH (FT)			-		-		-				
	RUN	OUT POINT (GPM) @ TDH (FT)			-		-		-				
					-		-		-		14" &		
	CB #	1 TO PUMP NO. 1			-		-		-		· 		
	CB #	2 TO PUMP NO. 2	-		-		-		-				
	CON				-		-		-		WE		
	GEN	ERATOR RECEPTACLE			-		-		-				
	STAF				-		-		-				
	ELEC	TRIC SERVICE (TYPE & SIZE)			-		-						
	PL	JMP STATION INFORMATION NO	TES:										
	1	 "SV" = STORAGE VOLUME PE DESIGNED FOR 12 MINUTE C SHALL BE 24". 	ER DESIGN I CYCLE TIME,	ENGINEER , MINIMUM S	AND SHALL I STORAGE DI	BE EPTH							
	2	2. IF PUMP MANUFACTURER R SEPARATION SHALL BE USE OR SPOOL PIECES. THE DIFI BY JEA PRIOR TO CONSTRU ADDITIONAL COST TO JEA.	EQUIRES A D WITH THE FERENT SEF CTION AND	GREATER S ADDITION PARATION I SHALL BE F	SEPARATION OF FLANGEI MUST BE API PROVIDED A	I, THAT D FILLERS PROVED T NO			DESIGN NO 1. ENGINE NOTES 2. WETWE	<u>TES:</u> EER SHALL US TO BE ERASE ELL SIZE: PUMP STATI	SE THIS PLAN ED ON COMP ON		
	3	3. ALL PUMP MOTORS SHALL E	BE 3 PHASE.						3. MINIMU	IM FORCE MA			
	4	 AMPERE INTERRUPTING CA UTILITY COMPANY FOR THIS 	PACITY (AIC S DATA IF AV): CONTAC [*] /AILABLE.	T THE ELECT	RICAL			4. MINIMU		SERVICE SI		
θE	5	5. A GENERATOR RECEPTACL	E SHALL BE	PROVIDED					_	230 VOLT, 20	0 AMP., 3 PH		
									5. MINIMU		E PAD SIZE: MANHOLE S		
									-	LOCATE ON S	SAME SIDE C		
	<u>GEI</u>	NERAL NOTES:							7. IT IS TH SPECIF	E ENGINEER'	S RESPONS NS. HOWEV		
	1.	ALL WORK SHALL COMP "SUBMERSIBLE SEWAGE SEWER STANDARDS MA	ly with s Pumping Nual.	SPECIFIC G STATIC	ATIONS, S NS" IN JE	SECTION 4 A WATER	433, AND		8. HOW TO	D DETERMINE TO DETERMII CONDUCTED IN THE SCAD	DRAWING SHO MINE TOWER OF RMINE IF A POLI TED. THE RADIC CADA PANEL AN		
PDS & T OF PE	2.	PENETRATION SOIL BOR LOCATION, SHALL BE SU BORING SHALL BE A MIN OR UNTIL SUITABLE SOII WET WELL BOTTOM.	1 V	MINIMUM -86DB RSS USED. IF THE HEIGH 9. THE PUMP STATION TOP ELE "R" ELEVATION SHALL BE EQ ELEVATION, WHICHEVER IS H 10. FLOW METER: ULTRASONIC FLOW METEI									
	3.	PIPING WITHIN THE WET STEEL, (SCHEDULE 10, C THE WET WELL SHALL B WELDING OF PIPING IS N ACCESSORIES WITHIN T	316 STAIN . FITTING STEEL. B OLTS AN S STAINLE	ILESS S WITHIN UTT D ESS STEEI	_	TH	IICKEN CON DGE	CRETE					
r) NG	4.	FITTINGS OUTSIDE OF TI STAINLESS STEEL (FLAN SHALL BE 150# RF SOCK NUTS SHALL BE 316 STA "NEVER SEIZE" TYPE CO	HE WET W IGED, SCH ET-WELD INLESS S DATING.	VELL AND HEDULE 1 FLANGE TEEL ANI) ABOVE G 10). ALL W . ALL BOL ⁻) SHALL B	GROUND S ELD-ON F TS, WASH E COATE	SHALL BE FLANGES HERS AND D WITH)			+		
	5.	ALL EXTERIOR JOINTS C SEALED WITH A 12" WIDE (SEE JEA SPEC).	DF PRECA E RUBBER	ST CONC RIZED ASI	RETE WE PHALT ME	T WELLS MBRANE	SHALL BE TAPE.	ELEC ON S SER\	TRIC METER TAND AND /ICE	C CHASS			
	6.	THE VOID AREAS BETWE SEALED w/ EUCOLASTIC SEAL. ALL OHTER OPENI GROUT, EXCEPT AS DES SECURED TO TOP.	E DISC SEPA S.S. SEE STAN SHEE	ONNECT IN ARATE NEMA ENCLOSURI ELECTRICAL IDARD DETA ETS	A 4x E. - NL								
	7.	PROVIDE HOLE IN TOP A CONSTRUCTED OF 1 $\frac{1}{2}$ " V THROUGH CONCRETE T	ND INSEF VIDE x 1 8" T OP.	RT 8" x 8" "HICK PL/	/IDE 6" x (VENT 6" OPENIN	G	PROPERTY L	INE	40'			
, NOTE #3)	8.	PROVIDE 2" PIPE (PVC, S CAPPED TOP AND OPEN WITH NON-SHRINK GROU FOR THE CONSTRUCTIO	CH. 80) TI END BOT UT. IN THE N OF THE	HROUGH TOM). SE E FUTURE AIR-REL	CONCRE EAL AROU E, THIS PIF LEASE VAI	TE TOP W ND CON(PE WILL E _VE PIPIN	VITH CRETE TO BE UTILIZE IG.	P DEMA D SEE N	DEMARCATION BOX				
	9.	SITE GRADE IS 6" (MIN) E	BELOW TO	OP ELEVA	TION OF F	PUMP ST	ATION SLA	AB. CONI	H 80 PVC - DUIT				
	10.	IN SILTS, CLAY OR HIGHL INCLUDING SOIL GROUP SHALL BE OVER-EXCAVA BACKFILL WITH GRANUL	_Y ORGAN S ML, CL, ATED AN A AR BACKI	NIC SOILS OL, MH, (ADDITION FILL (57 S	S (FINE-GR CH, OH AN IAL 12" (AT STONE).	RAINED S(ID PT) TH A MIN.) /	OILS IE SOILS AND	DILS E SOILS COMBINED MOTO CONTROL CENTI ND RTU PANEL					
SOVE TE	11.	PRECAST CONCRETE WI ENTIRE INSIDE SURFACE WITH APPROVED LINER. MANUFACTURER. SUBMI SUBMITTAL. SEE SPECIF DRY (DE-WATERED) DUR WELL DIMENSIONS TABL	ETWELL S E OF WET LINER INS IT CERTIF ICATIONS RING THE E)	SHALL ME WELL & T STALLER ICATION S. THE EX WET WEI	ET A.S.T.I TOP SLAB MUST BE WITH SHO CAVATED LL INSTAL	M. C-478 S SHALL BE CERTIFIE P DRAW HOLE SH LATION. (STANDARI E LINED ED BY LINI ING HALL BE SEE WET	D, PUMP DETAIL	STATION RT S		AL PC ST		

12. SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCITON DETAILS OF SPECIFIC COMPONENTS, INCLUDING ELECTRICAL.



SCALE IN FEE