

							PUMP sc	STATION HEDULE OF		TION											
PUMP STATION STREET	TOP ELEV (NOTE 9)	MERCOID LEVEL	ALARM ELEVATION	LEFT BLANK	LAG PUMP ON ELEVATION	LEAD PUMP ON ELEVATION	PUMP OFF ELEVATION (NOTE #1)	BOTTOM ELEVATION (NOTE #5)	WET WELL DIA.	DISCHA PIPE I	NRGE DISCHA DIA. F.M. D	RGE BA A. EXTEI	SE NDER T	BOTTOM SLAB THICKNESS (INCHES)	PER HOLE DIA. (SEE NOTES)	CONTROL	. SU N CLE	PUMP ICTION ARANCE ICHES)	SITE FLOOD ELEVATIO (DESIGI NOTE 10) INFLUEN SIZE	IT HATCH SIZE (SEE TABL BELOW)
ADDRESS	Α	В	С	D	E	F	G	н	Ι	J	К	L		М	Ν	Р		Q	R	S	
	R + 1.0	P + 0.5'	P - 0.5'		P - 1.0'	P - 1.5'	F-SV	G - 3'			-	-	·				+				
			ALL PUMPS					1									-				
PUMP MANUFACTURER (NOTE #1)		-											POLYN	IER CONC	RETE FLO	ATATION	I COL	LARS			
MODEL		-									DEPTH	0-10FT		DEPTH	11-15FT		DEPTH	1 16-20FT		DEPTH	121-30FT
IMPELLER		-								-		MIN WEIGH	T OF		MIN WEIGHT O	F		MIN WEI	GHT OF		MIN WEIGHT
PUMP DISCHARGE		-							WET W	ELL	MIN BASE EXTENDER (IN)	STRUCTU (LBS)	RE E	MIN BASE EXTENDER (IN)	TOTAL STRUCTURE (LBS)	EXTEN	BASE DER (IN)	STRUC	TURE	MIN BASE EXTENDER (IN)	STRUCTURE
MOTOR (RPM)	-	-	-				_		8' 0		2	(LB3)		2	(LB3)	-	2	(L0		_	(LBS)
HURSEPOWER (HP)		-		-					0-0		5	53000		5	37000	_	2	400	100		01100
AIC (NOTE #5)		-		-			_		10-0	,	5 8	92000		5	113200	_	5 9	134	500	3	130000
DESIGN POINT (GPM) @ TDH (FT)		-		-			_		12-0	,	0	82900		0	113200		0	134	500	,	139000
RUNOUT POINT (GPM) @ TDH (FT)		-								DISC	HARGE PI	PE DATA	(WITH	IN WET W	ELL)						
EMERGENCY MAIN		-	-								1		IMD	MIN	, HATOU 0	175	Ľ	CINCILE			TOD 01
NORMAL SERICE MAIN		-							PIP	E SIZE	PIPE HOL DIA.	E SEPA	RATION	PUMPOUT SIZE	(MIN.)		WE	T WELL	- ты	VALL CKNESS	THICKNES
CB #1 TO PUMP NO. 1		-								61)	(N)	(PS)	(PO)		_		I.D.		MIN)	(MIN)
CB #2 TO PUMP NO.2		-		_						4"	10"		26"	4"	42"x48	•		8'-0"		0'-9"	0'-10"
CONTROL PANEL MCB		-		_						6"	12"		32"	6"	42"x60			10'-0"		1'-0"	1'-0"
STARTER (SIZE & TYPE)		-		-					FR	EE STAI	NDING PUMP	OUT FOR P	IPE SIZE	S GREATER	THAN 6"			12'-0"		1'-0"	1'-0"
			-							8"	15"		36"	8"			-				
PUMP STATION INFORMATION NO	TES:								-	12"	20"		44 48"	10"		_	F	POLYME	RWET	WELL DIM	ENSIONS
SEE JEAS STANDARDS VOLUME 3 (WATER AND WASTEWATER APPROVED MATERIALS MANUAL) FOR APPROVED MANUFACTURES MANUFACTURES MOL 2 MALL TOP SLAB THICKNESS THICKNESS THICKNESS THICKNESS THICKNESS																					
MANUFACTURES 2. "SY" = STORAGE VOLUME PER DESIGN ENGINEER AND SHALL BE DESIGNED FOR 12 MINUTE CYCLE TIME, MINIMUM STORAGE DEPTH SHALL BE 24". 3. IF PIMP MANUFACTURER REQUIRER A GREATER SEPARATION THAT SEPARATION SHALL BE USED WITH THE MCC PANEL THE COMBINED MOTOR CONTROL AND RTV PANEL SHALL BE AS NOTED BELOW. CONTROL AND RTV PANEL SHALL BE AS NOTED BELOW. CONTROL AND RTV PANEL SHALL BE AS NOTED BELOW. CONTROL RAD RTV PANEL SHALL BE AS NOTED BELOW. CONTROL RAD RTV PANEL SHALL BE AS 8'-0" 0'-6" 0'-0" 0'-0" 0'-0"																					
STORAGE DEFINISHALL BE 24 . 3. IF PUMP MANUFACTURER REQUEST STORAGE DEFINISHALL BE AS REATER SEPARATION, THAT SEPARATION SHALL BE USED WITH THE ADDITION OF FLANCES FLALLS USEMIT APPLICABLE SHOP DRAWING PACKAGE, SEE JEA.COM FOR DETAILS. TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA. THE COMBINED MOTOR CONTROL AND RTY PANEL SHALL BE AS REATER SEPARATION MUST BE APPROVED BY JEA PRIOR TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA. THE COMBINED MOTOR CONTROL AND RTY PANEL SHALL BE AS NOTOR CONTROL AND RTY PANEL SHALL BE A																					
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. 4. ALL PUMP MOTORS SHALL BE 3 PHASE. 4. ALL PUMP MOTORS SHALL BE 3 PHASE.																					
TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA. 4. ALL PUMP MOTORS SHALL BE 3 PHASE. 4. ALL PUMP MOTORS SHALL BE 3 PHASE. 5. CONTRACT OF A CONTRACT																					
FIXED SPEED PANEL: 4. ALL PUMP MOTORS SHALL BE 3 PHASE. 5. AMPERE INTERRUPTING CAPACITY (AIC): CONTACT THE ELECTRICAL UTILITY COMPANY FOR THIS DATA IF AVAILABLE. FIXED SPEED PANEL: Control of the con																					
6. A MANUAL TRANSFER SWIT	TCH SHALL E	BE PROVID	ED.								480 VOLT, STARTS PR	PHASE, FI	JLL VOL	TAGE MOTO	R STARTING,	15		10070100			
 A PHASE MONITOR SHALL E POWER BY JEA. REFER TO I 	E INSTALLE	D ON THE	INCOMING POV DETAIL DIAGR	VER SOU AM FOR	RCE FOR AL DETAILS.	L PUMP STA	TIONS NOT	PROVIDED		1F	-3P VFD PAN 480/277 VC	EL:: LT, 3 PHAS	E, WYE, I	FULL VOLTA	GE MOTOR		日	JEA APP	ROVED		400 AMP
										3F	STARTING, VFD PANEL:	15 STARTS	PER HC	OUR		_					
										_	480/277 VC STARTING,	LT, 3 PHAS 10 STARTS	E, WYE, I PER HC	REDUCED V DUR	OLTAGE MOT	OR					
										-											
ENERAL NOTES:											DESIGN	NOTES:									
ALL WORK SHALL COMPLY			IONS, SECT	ION 433	, "SUBME	RSIBLE SE	WAGE P	UMPING			1. ENG BE E	NEER SHAL RASED ON (LUSE TH	IS PLAN AS A ED DRAWING	BASIS OF DESI	GN FOR SIT	E SPEC	IFIC PUMP	STATION.	THESE NOTE	S TO
PENETRATION SOIL BORING	G INFORM	IATION, 1	TAKEN AT W	ET WEL	L LOCATI	ON, SHALL	BE SUB	MITTED PI	RIOR		2. WET	WELL SIZE: PUMP ST	ATION		8'-0" I.D. MI	N., 27' DEE	P MAX.				
TO DESIGN SUBMITTAL. SO UNTIL SUITABLE SOIL IS LO	IL BORING	G SHALL P TO A M	BE A MINIM	JM OF 25' BE	15' DEEPE LOW WET	R THAN W WELL BO	ET WELL	BOTTOM	OR		3. MIN	ALL GRE	MAIN FL	OW RATE: 4 ES SHALL BE	DESIGNED FO	80 GPM R FLOW VE	LOCITY	BETWEEN	2FPS ANI) 5FPS	
ALL PIPING WITHIN AND EX	TERNAL C	OF THE V	VET WELL SI	HALL BI	E FLANGE	D SCHEDL	JLE 40, 3 ⁻	16 STAINL	SS		4. MIN	240 VOLT	, 200 AMF	P., 3 PHASE, 4	WIRE						
STEEL. BUT FWELDING OF . NOT ALLOWED.	any Pipin	IG (EXCE	PIFOR THE	: EMER	GENCY SI	JCHON PI	PE IN TH	E WET WE	LL) IS		5. MIN 6. MIN	MUM CONCE		HOLE SIZE:	45'x45'	5'-0" I.D.	NNECT	ON			
ALL DUCTILE IRON FITTING DUCTILE IRON AND FLANGE	S (90s, 45: ED EPOXY	s, TEES I ' LINED.	ETC.) WITHIN	N AND E	EXTERNAL	OF THE V	VET WEL	L SHALL B	E		7. IT IS CON DRA	THE ENGINE DITIONS. H	ER'S RES DWEVER, N HERE.	SPONSIBILITY , THE ENGINE	TO DESIGN THE	HE SITE TO CE EVERY E	MEET F	UNCTION/ TO CONFC	ALITY AND	SITE SPE IE STANDARD	CIFIC
ALL NUTS, BOLTS AND AC STEEL AND SHALL BE COAT	CESSORII FED WITH	ES WITH A "NEVE	IN AND EXTE	ERNAL (PE CO	OF THE W ATING.	ET WELL S	SHALL BE	316 STAI	NLESS		8. HOW TO I RAD	TO DETERM ETERMINE I O PATH STL	INE TOW F A POLE DY MUST	VER OR POLE	FOR SCADA (S S REQUIRED A	SEE ALSO SI RADIO PATH TYPE OF R	PEC SE H STUDY ADIO US	CTION 433 Y MUST FIF SED IN THE): IST BE CO SCADA P	NDUCTED. TH	E ST BE
ALL EXTERIOR JOINTS OF F SHALL BE SEALED WITH A	PRECAST 18" WIDE F	CONCRE	ETE AND PRE	ECAST	POLYMER	WET WEL APE. (SEE	LS AND I	MANHOLE C).	5		A MI FEE MUS	THEN A 20 BE USED.	ыля HSS FOOT PO	i. IF THE HEIG LE CAN BE US	SED. IF THE HE	NIMUM -86D	D HSSI I IREMEN	ITS ARE O	ESS THAN VER 20 FE	OR EQUAL TO ET THEN A TO	WER
THE VOID AREAS BETWEEN CITEM CO. OR APPROVED B GROUT, EXCEPT AS DESCE	N TOP SLA EQUAL SE RIBED IN N	B AND F AL. ALL	ORCE MAIN OTHER OPE PROVIDE IN	PIPE S NINGS SECT S	HALL BE S IN CONCR SCREEN SI	EALED W/ ETE TOP \ ECURED T	EUCOLA NITH NOI O TOP.	STIC BY E N-SHRINK	UCLID		9. THE I ELEV/ WHIC	UMP STATIO TION SHALL IEVER IS HIG	DN TOP EI BE EQUA BHER.	LEVATION SH AL TO THE DE	ALL BE SET AT SIGN HIGH WA	A MINIMUM	OF 1' AI OR THE	BOVE THE 100 YEAR	"R" ELEVA	TION. THE "R" EVATION,	
										1	10. THE	I OP ELEVAT	ION OF J	UNCTION MAI	N HOLE SHALL	MATCH THE	I UP EL	LEVA FION	UF NEARE	51	1

- 8. PROVIDE 6" x 6" OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 1/2" THICK ALUMINUM GRATE VENT CONSTRUCTED OF $1\frac{1}{2}$ " WIDE x $\frac{1}{8}$ " MATERIAL.
- PROVIDE 2" PIPE (PVC, SCH, 80) THROUGH CONCRETE TOP WITH CAPPED TOP AD OPEN END BOTTOM SEAL ABOUND CONCRETE TOP WITH NON-SHRINK GROUT IN THE FUTURE THIS PIPE WILL BE UTULZED FOR THE CONSTRUCTION OF THE AIR-RELEASE VALVE PIPING. EXTEND 18" ABOVE THE TOP OF WET WELL
- 10. SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.
- 11. 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).
- 12. PRECAST CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL& 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 VELL DIMENSIONS TABLE)
- 13. PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
- 14. SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS (HTTPS://WWW.JEA.COM/ENGINEERING AND CONSTRUCTION/JEA FACILITIES STANDARDS/)
- 15. SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC
- COMPONENTS, INCLUDING ELECTRICAL.

16. PUMPS SHALL BE NUMBERED SEQUENTIALLY, LEFT TO RIGHT, WHEN STANDING IN FRONT OF THE WET WELL HATCH, FACING THE DISCHARGE PIPING. THE PUMPS SHALL BE INSTALLED SEQUENTIALLY WITH THE LOWEST SERIAL NUMBER BEING PUMP NUMBER ONE.

WELL.

CONSTRUCTION NOTES:

SLOPE SITE CONCRETE 1" PER 8' TO DRAIN TOWARDS STREET OR OTHER ADJACENT CITY OR JEA OWNED DRAINAGE FACILITY. THE DRIVEWAY SLOPE SHALL BE LESS THEN 6% UNLESS SPECIFICALLY APPROVED BY JEA.

2. CONTRACTOR MUST MAINTAIN LANDSCAPING UNTIL FINAL ACCEPTANCE AND SUPPLY ONE (1) YEAR WARRANTY FROM NURSERY SUPPLYING PLANTS FROM DATE OF ACCEPTANCE.

DEMARCATION BOX SHALL BE PLACED AS CLOSE AS POSSIBLE TO WET WELL. IT SHALL BE PLACED AT LEAST 3' FROM WET WELL HATCH AND AT LEAST 5' FROM VENTS. IT SHALL BE PLACED SO AS NOT TO INTERFERE WITH ACCESS TO THE WET WELL OR DISCHARGE APPARATUS, AND DOOR SHALL FACE AWAY FROM WET WELL.

SEE GROUNDING PLAN FOR ELECTRICAL SERVICE GROUNDING REQUIREMENTS (SEE GROUNDING DETAIL SHEET).

5. CONTRACTOR MUST KEEP COMPANY SIGN AND PHONE NUMBER ON FENCE UNTIL STATION ACCEPTED

TRANSFORMERS SHALL BE LOCATED ON THE SAME SIDE OF PROPERTY AS METER CAN AND ELECTRICAL PANELS.

WET WELL LID SHALL UTILIZE STAPLE ASSEMBLY FOR LOCKING THE WET

JEASTANDARD SITE SPECIFIC JEASTANDARD JEASTANDARD CLASS ONE PUMP STATION JEASTANDARD FOR PEAK FLOWS BETWEEN 0 TO 440 GPM Montemported and the medication of the medic								
JEASTANDARD BESIGNER DESIGNER NO. BY DATE CLASS ONE PUMP STATION CLASS ONE PUMP STATION DATE NO. BY DATE FOR PEAK FLOWS BETWEEN 0 TO 440 GPM DATE DATE DATE DATE PLAN AND SECTION BUILIAL © OMMUNITY, MULTICAL DATE DATE DATE	PECIFIC	REVISIONS						
JEA STANDARD CLASS ONE PUMP STATION FOR PEAK FLOWS BETWEEN 0 TO 440 GPM DESIGNEE: DESIGNEE: NO. BY FOR PEAK FLOWS BETWEEN 0 TO 440 GPM DESIGNEE: DESIGNEE: PLONIDA REGISTRATION 0.0 A	TES	DATE						
JEA STANDARD JEA STANDARD DESIGNEE: DESIGNEE: DESIGNEE: NO. CLASS ONE PUMP STATION PLAN STATION PLAN AND SECTION A A PLAN AND SECTION BUILIDIA COMMUNITY DATE: PLAN AND SECTION A	IS	ВΥ						
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LEA STANDARD CLASS ONE PUMP STATION FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION BUILDING COMMUNITYM		DESIGN ENGINEER			CITICATE PROPERTY AND	FLOHIDA REGISTRATION NO.		
LEA STANDARD CLASS ONE PUMP STATION FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION		DESIGNER:	DRAWN BY:	DATE	OUTC:	CRECKEU BT:	DATE:	
JEA STANDARD CLASS ONE PUMP STATION FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION								Building Communitysm
				ALON		U 10 440 GPM		ON
								FLAN AND SECTI



	SITE SPECIFIC	NO. BY DATE REVISIONS 4
REQUIRED (SIZED BY		DESIGN ENGNEER FLORIDA REGISTRATION NO.
HICK 3000 PSI CONCRETE DRIVEWAY (TYP.) ANSION JOINTS REQUIRED ADJACENT TO ING, CURB, DRIVEWAY APRONS, STRUCTURES & S, EVERY 18 FEET AT A MINIMUM.		Communityam Communityam Communityam
TER SERVICE and 1 ¹ / ₂ " R - SEE JEA STANDARD R & SEWER TRUCTION DETAILS N MANHOLE		GPM
CHARGE FORCE N GRAVITY		JEA STANDARD CLASS ONE PUMP STATION FOR PEAK FLOWS BETWEEN 0 TO 440 PLAN AND SECTION
10 0 5 10 SCALE IN FEET		NO. SHEETS PROJ. NO. SHEET NO. DATE: DATE: 10' DRAWING NO. SCALE: 1"=10'



							PUMP SCH	STATION HEDULE OF	NFORMA ELEVATION	TION s									
PUMP STATION STREET	TOP ELEV (NOTE 9)	MERCOID LEVEL	ALARM ELEVATION	LEFT BLANK	LAG PUMP ON ELEVATION	LEAD PUMP ON ELEVATION	PUMP OFF ELEVATION (NOTE #1)	BOTTOM ELEVATION (NOTE #5)	WET WELL DIA.	DISCHARG PIPE DIA.	E DISCHARGE F.M. DIA.	BASE EXTENDER	BOTTOM SLAB THICKNESS (INCHES)	PER HOLE DIA. (SEE NOTES)	CONTROL ELEVATION	PUMP SUCTION CLEARANC (INCHES)	E SITE FLOOD ELEVATIO (DESIGN NOTE 10	N INFLUEN N SIZE	IT HATCH SIZE (SEE TABLE BELOW)
ADDRESS	A	В	С	D	E	F	G	н	1	J	К	L	М	N	Р	Q	R	S	DECOIN)
	R + 1.0	P + 0.5'	P - 0.5'		P - 1.0'	P - 1.5'	F - SV	G - 3'	-					-					
			ALL PUMPS																
PUMP MANUFACTURER (NOTE #1)	-	-										POL	YMER CON	CRETE FLC	ATATION	COLLARS			
NODEL	-	-									DEPTH 0-	10FT	DEPTH	111-15FT	0	DEPTH 16-20	FT	DEPTH	121-30FT
MPELLER	-	-										IN WEIGHT OF		MIN WEIGHT	DF	MIN	WEIGHT OF		MIN WEIGHT OF
VMP DISCHARGE	-	-							WET WE	ELL N EXT	IIN BASE ENDER (IN)	TOTAL STRUCTURE	MIN BASE EXTENDER (IN)	TOTAL	MIN BA	ASE ER (IN) ST	TOTAL RUCTURE	MIN BASE EXTENDER (IN)	TOTAL STRUCTURE
NOTOR (RPM)	-	-										(LBS)		(LBS)			(LBS)		(LBS)
HORSEPOWER (HP)	-	-							8'-0'		3	35600	3	37600	2		46000	-	5200
PHASE/VOLT/AMPS (NOTE #4)	-	-				-			10'-0	r .	5	57580	5	75000	5		78700	3	91100
AIC (NOTE #5)	-	-							12'-0	"	8	82900	8	113200	8	1	34500	7	139000
ESIGN POINT (GPM) @ TDH (FT)	-	-																	
RUNOUT POINT (GPM) @ TDH (FT)	-	-								DISCH/	ARGE PIPE	DATA (WIT	HIN WET W	'ELL)		CONC	RETE WET		IENSIONS
EMERGENCY MAIN	-	-											MIN	натени	175	001101			
NORMAL SERICE MAIN	-	-							PIPI	E SIZE	PIPE HOLE	SEPARATIO		(MIN.)	WET WE		NALL	TOP SLAB
CB #1 TO PUMP NO. 1	-	-										(DS)	(PO)	-	- 1	I.D.		(MIN)	(MIN)
CB #2 TO PUMP NO.2	-	-								(J)	(N)	(F3)	(FO)	400-44	_	e' 0"	-	0' 0"	0' 10"
CONTROL PANEL MCB	-	-								4"	10"	20"	4" 6"	42'X48 42"x60		0-0		0-9	0-10
STARTER (SIZE & TYPE)	-	-								6"	12"		750.005.175			10'-0"		1'-0"	1'-0"
LECTRIC SERICE (SIZE & TYPE)	-	-							FR	ee STANDI	NG PUMP OU	1 FOR PIPE SI	ZES GREATER	CTHAN 6	— I L	12'-0"		1'-0"	1'-0"
							_			° 10"	17"	44"	10"		_				
PUMP STATION INFORMATION NO	TES:									12"	20"	48"	12"		I [POLY	MER WET	WELL DIM	ENSIONS
1. SEE JEA STANDARDS VOLU	ME 3 (WATE	R AND WAS	STEWATER A	PROVED	MATERIALS I	MANUAL) FC	R APPROVE	D	14" &	LARGER			14" & LARGE	R	-1		1	11222 011	211010110
2. "SV" = STORAGE VOLUME P	ER DESIGN	ENGINEER	AND SHALL E	E DESIGNI	ED FOR 12 M	INUTE CYCI	E TIME, MIN	NIMUM				MCC PANE	EL.		<u> </u>	WET WE I.D.		WALL CKNESS (MIN)	TOP SLAB THICKNESS (MIN)
	24.								THE (COMBINED	MOTOR CON	TROL AND RT	V PANEL SHAL	L BE AS		e' 0"		0' 6"	0' 10"
 IF PUMP MANUFACTURER F ADDITION OF FLANGED FILI 	EQUIRES A ERS OR SPI	GREATER S	SEPARATION S. THE DIFFE	THAT SEP	ARATION SH ARATION MU	ALL BE USE ST BE APPF	D WITH THE OVED BY JE	A PRIOR	DRAV	VING PACK	AGE, SEE JEA	COM FOR DE	TAILS.			401.0		0-0	0-10
TO CONSTRUCTION AND SH	IALL BE PRO	VIDED AT N	NO ADDITION	AL COST T	O JEA.					FIXED	SPEED PAN	EL:				10-0	0	-0 1/2	0-10
4. ALL PUMP MOTORS SHALL	BE 3 PHASE.									2 2 N	40/120 VOLT, IOTOR STAR	3 PHASE, OPE TING, 15 STAR	EN DELTA, FUL TS PER HOUR	L VOLTAGE	L	12'-0"		0'-7"	1'-0"
5 AMPERE INTERRUPTING CA	PACITY (AIC	CONTAC	T THE ELECT	RICAL UTIL	ITY COMPAN	VY FOR THIS	DATA IF A	All ABLE				., .							
6. A MANUAL TRANSFER SWI	CH SHALL E	BE PROVIDE	ED.								SPEED PAN 80 VOLT, 3 PI	EL:: HASE, FULL V(DLTAGE MOTO	R STARTING	15	MA	NUAL TRA	NSFER SV	VITCH
										s	TARTS PER H	HOUR			_	JEA /	APPROVED		200 AMP
POWER BY JEA. REFER TO	ELECTRIC S	INGLE LINE	DETAIL DIAG	RAM FOR	DETAILS.	L POMP STA		PROVIDED		1P-3P 4 s	VFD PANEL:: 80/277 VOLT, TARTING, 15	3 PHASE, WY STARTS PER	E, FULL VOLTA HOUR	AGE MOTOR		JEA.	APPROVED		400 AMP
									1	3P VF 4 S	D PANEL:: 80/277 VOLT, TARTING, 10	3 PHASE, WY STARTS PER	E, REDUCED V HOUR	OLTAGE MO	TOR				

GE	NERAL NOTES:
1.	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 WET WELL LOCATION, SHALL BE SUBMITTED PRIOR TO DESIGN SUBMITTAL. SOIL BORING SHALL BE A MINIMUM OF 15' DEEPER THAN WET WELL BOTTOM OR UNTIL SUITABLE SOIL IS LOCATED UP TO A MAXIMUM OF 25' BELOW WET WELL BOTTOM.
3.	ALL PIPING WITHIN AND EXTERNAL OF THE WET WELL SHALL BE FLANGED SCHEDULE 40, 316 STAINLESS STEEL. BUTT WELDING OF ANY PIPING (EXCEPT FOR THE EMERGENCY SUCTION PIPE IN THE WET WELL) IS NOT ALLOWED.
4.	ALL DUCTILE IRON FITTINGS (90s, 45s, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL BE DUCTILE IRON AND FLANGED EPOXY LINED.
5.	ALL NUTS, BOLTS AND ACCESSORIES WITHIN AND EXTERNAL OF THE WET WELL SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.
6.	ALL EXTERIOR JOINTS OF PRECAST CONCRETE AND PRECAST POLYMER WET WELLS AND MANHOLES SHALL BE SEALED WITH A 18" WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (SEE JEA SPEC).
7.	THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED W/EUCCLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL. ALL OTHER OPENINGS IN CONCRETE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #6. PROVIDE INSECT SCREEN SECURED TO TOP.
8.	PROVIDE 6" x 6" OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 $\frac{1}{2}$ " THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 $\frac{1}{2}$ " WIDE x $\frac{1}{6}$ " MATERIAL.
9.	PROVIDE 2" PIPE (PVC, SCH. 80) THROUGH CONCRETE TOP WITH CAPPED TOP AD 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. EXTEND 18" ABOVE THE TOP OF WET WELL.
10.	SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.
11.	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).
12.	PRECAST CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & 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)
13.	PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
14.	SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS. (HTTPS://www.ifac.com/engineFring_and_construction/ifa_facilities_standards/)

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

16. PUMPS SHALL BE NUMBERED SEQUENTIALLY, LEFT TO RIGHT, WHEN STANDING IN FRONT OF THE WET WELL HATCH, FACING THE DISCHARGE PIPING. THE PUMPS SHALL BE INSTALLED SEQUENTIALLY WITH THE LOWEST SERIAL NUMBER BEING PUMP NUMBER ONE.

DESIGN NOTES:

ENGINEER SHALL USE THIS PLAN AS A BASIS OF DESIGN FOR SITE SPECIFIC PUMP STATION. THESE NOTES TO BE ERASED ON COMPLETED DRAMINIC

2. WET WELL SIZE: PUMP STATION 8'-0" I.D. MIN., 27' DEEP MAX.

3. MINIMUM FORCE MAIN FLOW RATE: 4" DIAMETER @ 80 GPM ALL GREATER SIZES SHALL BE DESIGNED FOR FLOW VELOCITY BETWEEN 2FPS AND 5FPS

MINIMUM ELECTRIC SERVICE SIZE: 240 VOLT, 200 AMP., 3 PHASE, 4 WIRE

5. MINIMUM CONCRETE PAD SIZE: 45'x45'

6. MINIMUM JUNCTION MANHOLE SIZE: 5'-0" I.D. LOCATE ON SAME SIDE OF DRIVEWAY AS PUMP-OUT CONNECTION.

IT IS THE ENGINEER'S RESPONSIBILITY TO DESIGN THE SITE TO MEET FUNCTIONALITY AND SITE SPECIFIC CONDITIONS. HOWEVER, THE ENGINEER SHALL MAKE EVERY EFFORT TO CONFORM TO THE STANDARD DRAWING SHOWN HERE.

HOW TO DETERMINE TOWER OR POLE FOR SCADA (SEE ALSO SPEC SECTION 433): TO DETERMINE IF A POLE OR TOWER IS REQUIRED A NADIO PATI STUDY MIST FIRST DE CONDUCTED. THE A NUMBUM OF ADDRESS DE THE THEORY OF THE MINIMA HORD RISS UP UP USE IS USES THAN OF ADDRESS FEET THEN A 20 FOOT POLE CAN BE USED. IF THE HEIGHT REQUIREMENTS ARE OVER 20 FEET THEN A TOWER MUST BE USED.

THE PUMP STATION TOP ELEVATION SHALL BE SET AT A MINIMUM OF 1 ABOVE THE "R" ELEVATION. THE "R" ELEVATION SHALL BE FOUND. TO THE DESIGN HIGH WATER LEVEL OR THE 100 YEAR FLOOD ELEVATION, WHICHEVER IS MIGHER.

THE TOP ELEVATION OF JUNCTION MAN HOLE SHALL MATCH THE TOP ELEVATION OF NEAREST ADJACENT CONCRETE STRUCTURE (PUMP STATION SLAB, DRIVE WAY OR CURB).

CONSTRUCTION NOTES:

SLOPE SITE CONCRETE 1" PER 8' TO DRAIN TOWARDS STREET OR OTHER ADJACENT CITY OR JEA OWNED DRAINAGE FACILITY. THE DRIVEWAY SLOPE SHALL BE LESS THEN 6% UNLESS SPECIFICALLY APPROVED BY JEA.

2. CONTRACTOR MUST MAINTAIN LANDSCAPING UNTIL FINAL ACCEPTANCE AND SUPPLY ONE (1) YEAR WARRANTY FROM NURSERY SUPPLYING PLANTS FROM DATE OF ACCEPTANCE.

DEMARCATION BOX SHALL BE PLACED AS CLOSE AS POSSIBLE TO WET WELL. IT SHALL BE PLACED AT LEAST 3' FROM WET WELL HATCH AND AT LEAST 5' FROM VENTS. IT SHALL BE PLACED SO AS NOT TO INTERFERE WITH ACCESS TO THE WET WELL OR DISCHARGE APPARATUS, AND DOOR SHALL FACE AWAY FROM WET WELL.

4. SEE GROUNDING PLAN FOR ELECTRICAL SERVICE GROUNDING REQUIREMENTS (SEE GROUNDING DETAIL SHEET).

CONTRACTOR MUST KEEP COMPANY SIGN AND PHONE NUMBER ON FENCE UNTIL STATION ACCEPTED

TRANSFORMERS SHALL BE LOCATED ON THE SAME SIDE OF PROPERTY AS METER CAN AND ELECTRICAL PANELS.

WET WELL LID SHALL UTILIZE STAPLE ASSEMBLY FOR LOCKING THE WET WELL

JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION BUILDING COMMUNITY							
JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION BUILDIAG COMMUNITYSM	PECIFIC	REVISIONS					
JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION BUILDIAG COMMUNITYM	LE SF	DATE					
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JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION BUILDIAG COMMUNITYSM		ÖN	,	÷	'n	5	1.
JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION WUIdIng Communitysm		DESIGN ENGINEER			FLORIDA REGISTRATION NO.		
JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION		DESIGNER:	DRAWN BY:	DATE:	CHECKED BY:	DATE:	
JEA STANDARD CLASS ONE PUMP STATION WITH GENERATOR FOR PEAK FLOWS BETWEEN 0 TO 440 GPM PLAN AND SECTION							Building Communitysm
		IEA CTANINADI OLACO ONE DLIMA CTATION		WITH GENERATOR	EOB DEAK ELONIS BETWEEN 0 TO 110 GDM		PLAN AND SECTION
					-		







							PUMP	STATION I HEDULE OF I		ATION															
PUMP STATION STREET	TOP ELEV (NOTE 9)	MERCOIL) ALARM ELEVATION	LEFT BLANK	LAG PUMF ON ELEVATION	ELEAD PUMP I ON ELEVATION	UMP OFF LEVATION NOTE #1)	BOTTOM ELEVATION (NOTE #5)	WET WELL DIA.	DISCHARC	GE DISCHARG F.M. DIA.	E BASE EXTENDER	BOTTOM SLAB THICKNESS (INCHES)	PER HOLE DIA. (SEE NOTES)	ONTROL EVATION	PUMP SUCTION CLEARANCE (INCHES)	SITE FLOOD EVATION DESIGN OTE 10)	NFLUENT SIZE	HATCH SIZE (SEE TABLE BELOW)			FIC	SNO		
ADDRESS	A R + 1.0	B P + 0.5'	C P - 0.5'	D 	E P - 1.0'	F P - 1.5'	G F - SV	H G - 3'		J 	K 	L	M 	N 	P 	Q 	R 	S 					REVIS		
			ALL PUMPS	_								POLY	MER CONC	RETE ELOAT	ATION C	OLLARS									
MODEL							_				DEDTH O	105	DEDTH				-		1 2057			5			
IMPELLER		-		-							DEPTHO	MIN WEIGHT OF	DEPTH	11-15F I MIN WEIGHT OF	DE	MIN WEIGHT	r of	DEPTH 2	1-30FT						+
PUMP DISCHARGE									WET W	VELL EX	MIN BASE (TENDER (IN)	TOTAL STRUCTURE (LBS)	MIN BASE EXTENDER (IN)	TOTAL STRUCTURE (LBS)	MIN BASI EXTENDER	E TOTAL (IN) STRUCTUF (LBS)	RE EXTEN	BASE DER (IN)	TOTAL STRUCTURE (LBS)			щ	DATE		
HORSEPOWER (HP)							_		8'-0	D"	3	35600	3	37600	2	46000		-	5200				H	++	
PHASE/VOLT/AMPS (NOTE #4)									10'-	0"	5	57580	5	75000	5	78700	-	3	91100			S			
AIC (NOTE #5)								-	12'-	0"	8	82900	8	113200	8	134500) :	7	139000				б		
RUNOUT POINT (GPM) @ TDH (FT)							_			DISCH	ARGE PIPE	E DATA (WIT	HIN WET WE	ELL)		MANUAL	TRANSFE	R SWITC	н						
EMERGENCY MAIN										F	PIPE HOLE	PUMP	MIN	HATCH SIZE		JEA APPROVED)	200	AMP				o.		
NORMAL SERICE MAIN							_		PIPE	SIZE .	DIA.	SEPARATION	SIZE	(MIN.)		JEA APPROVED)	400	AMP				2		·[-
CB #1 TO PUMP NO. 1							_		(J)	(N)	(PS)	(PO)	42"v49"			CONCRE	TE WET	WELL DIMEN	SIONS					
CONTROL PANEL MCB				-			_		4'		10" 12"	32"	4 6*	42 x48 42"x60"						TOP	SLAB THICK	NESS		ÿ	
STARTER (SIZE & TYPE)				-					FF	REE STAND	ING PUMP OL	UT FOR PIPE SI	ZES GREATER	THAN 6*	1	WET WELL I.D.		WALL THIS	JKNESS (MIN)		(MIN)			ATION	
ELECTRIC SERICE (SIZE & TYPE)		-							8'	r	15"	36" 44"	8" 10"			8'-0"			0'-9"		0'-10"		INEEF	SISTR	
PUMP STATION INFORMATION NOT	ES:								12		20"	48"	12"			12'-0"			1'-0"	<u> </u>	1'-0"		N ENG	A REC	
 SEE JEA STANDARDS VOLUM MANUFACTURES 	IE 3 (WATE	R AND WA	STEWATER AF	PROVED M	ATERIALS	MANUAL) FOR	APPROV	ED	14" & LA	ARGER	-	-	14" & LARGER	۲									ESIGN	LORID	
2. "SV" = STORAGE VOLUME PE	R DESIGN I	ENGINEEF	AND SHALL B	E DESIGNE	D FOR 12 I	MINUTE CYCLE	TIME, MI	NIMUM			Ν	MCC PANEL		DE 1 -	$\downarrow \vdash$			ER WEI	WELL DIMENS	10145	PLAD TIME	NESS	Ĥ	۳ ا	
STORAGE DEPTH SHALL BE 2	24".	000-1	SEDADATIO	THAT COL	DATION		14/1711	-	THE NOT	ED BELOW	MOTOR CON	OR SHALL SUB	V PANEL SHALL MIT APPLICABL	. BE AS .E SHOP		WET WELL I.D.	. V	WALL THI	CKNESS (MIN)	IUP	OLAB THICK	11699			
3. IF PUMP MANUFACTURER RE ADDITION OF FLANGED FILLE TO CONSTRUCTION AND CUT	RS OR SPO	OOL PIECE	SEPARATION,	RENT SEPA	RATION S	DALL BE USED	VED BY J	EA PRIOR	DRA	FIXE	D SPEED PAN	NEL:	IAILO.			8'-0"			0'-6"		0'-10"				
4. ALL PUMP MOTORS SHALL BE	E 3 PHASE			_ 5051 10					□	<u>ן</u> נ	240/120 VOLT MOTOR STAR	, 3 PHASE, OPE TING, 15 STAR	EN DELTA, FULL TS PER HOUR	VOLTAGE		10'-0"		0'	-0 1/2" 0'-7"		0'-10"				
5. AMPERE INTERRUPTING CAP	ACITY (AIC): CONTAG	OT THE ELECTI	RICAL UTILI	TY COMPA	NY FOR THIS I	ATA IF A	VAILABLE.		FIXE	D SPEED PAN	NEL::			┥╞═						-				
6. A MANUAL TRANSFER SWITC	CH SHALL B	BE PROVID	ED.							J .	480 VOLT, 3 P STARTS PER	PHASE, FULL VO HOUR	DLTAGE MOTOR	R STARTING, 15	MA		ноц		THOMPS	ON	XVI EM/GO	DIMIN	GNER:	KED	
7. A PHASE MONITOR SHALL BE POWER BY JEA REFER TO FI	INSTALLE		INCOMING PO	WER SOUR	CE FOR AL	LL PUMP STAT	ONS NOT	PROVIDED		1P-3	P VFD PANEL: 480/277 VOLT	 3 PHASE WY	E FULL VOLTA	GE MOTOR		MODEL	HOLE		111011110		XTEEN/00		DESK	DATE	DATE
	2011000		E DE MIE DING		Enfacto.					-	STARTING, 15	5 STARTS PER	HOUR			ENGINE H.P.									
										_ 3PV	480/277 VOLT	, 3 PHASE, WY	E, REDUCED VO	OLTAGE MOTOR	FLO	NPSHK DW GPM @TDH								Į	E E
											STARTING, IU	JARISPERI	HOUR		┙┢╴	RPM								-	È
															DISC	HARGE PIPE SIZE								7	5
r										_					300	TION FIFE SIZE			1						₽Ē
GENERAL NOTES:											DESIGN 1	NOTES:												\mathbf{T}	ô
1. ALL WORK SHALL COM	PLY WIT	H SPECI	FICATIONS,	SECTION	433, "S	UBMERSIBL	E SEWA	AGE PUMP	ING		1. ENG NOT	ES TO BE ERASE	E THIS PLAN AS D ON COMPLETI	A BASIS OF DESIG	IN FOR SITE	SPECIFIC PUMP	STATION. TH	ESE							2
STATIONS" IN JEA WAT	ER AND	SEWER	STANDARD	S MANU	AL.						2. WET	FWELL SIZE: PUMP STATI	ON	8'-0" I.D. MIN	N., 27' DEEP	MAX.									Νē
2. PENETRATION SOIL BO PRIOR TO DESIGN SUB	RING INF	FORMAT SOIL BC	ION, TAKEN	I AT WET L BE A MI	WELL LO	DCATION, S	HALL BE	E SUBMITT	ED		3. MINI	MUM FORCE MA	IN FLOW RATE:	4" DIAMETER @ 8	BO GPM			DC.							12
BOTTOM OR UNTIL SUI	TABLE S	OIL IS LO	DCATED UP	TO A MA	XIMUM	OF 25' BELC	W WET	WELL BOT	ГТОМ.		4. MINI	ALL GREATER	SERVICE SIZE:	E DESIGNED FOR	CFLOW VEL	OCITY BETWEEN	2FPS AND 5FI	25							
3. ALL PIPING WITHIN AND	D EXTER	NAL OF	THE WET W	ELL SHA	LL BE FL	ANGED SCH	EDULE	40, 316				240 VOLT, 20	0 AMP., 3 PHASE	, 4 WIRE											
WET WELL) IS NOT ALL	IT WELD OWED.	ING OF /	ANY PIPING	(EXCEPT	FOR TH	IE EMERGEI	ICY SU	CTION PIP	E IN THE		5. MINI 6. MINI		E PAD SIZE: MANHOLE SIZE:	45'x45'	5'-0" I D										
4. ALL DUCTILE IRON FITT	TINGS (90	0s, 45s, ⁻	TEES ETC.)	WITHIN A	ND EXTE	ERNAL OF T	HE WET	WELL SH	ALL BE		-	LOCATE ON S	SAME SIDE OF D	RIVEWAY AS PUM	IP-OUT CON	INECTION.		_						5	
DUCTILE IRON AND FLA	ANGED E	POXY LI	NED.								7. IT IS SPEC	CIFIC CONDITION	NS. HOWEVER, WING SHOWN H	THE ENGINEER SI	HALL MAKE	EVERY EFFORT T	TO CONFORM	то					6	L L	5
5. ALL NUTS, BOLTS AND STAINLESS STEEL AND	O ACCES O SHALL E	SORIES BE COAT	WITHIN ANI TED WITH A	D EXTERI "NEVER	NAL OF 1 SEIZE" 1	THE WET WE	ILL SHA	LL BE 316			8. HOW TO D THE	TO DETERMINE DETERMINE IF A I RADIO PATH STI	TOWER OR POL POLE OR TOWER	E FOR SCADA (SI IS REQUIRED A F ONE USING THE S	EE ALSO SP RADIO PATH AME TYPE C	EC SECTION 433) STUDY MUST FIR F RADIO USED IN	IST BE CONDU THE SCADA F	JCTED. PANEL					TAT	440 0	2
6. ALL EXTERIOR JOINTS SHALL BE SEALED WIT	OF PREC H A 18" V	CAST CO VIDE RU	DNCRETE AN BBERIZED A	ND PRECA	AST POL MEMBR/	YMER WET ANE TAPE.	WELLS SEE JE	AND MANI A SPEC).	HOLES		AND THAI ARE	N OR EQUAL TO OVER 20 FEET T	MUM OF -86DB H 20 FEET THEN A 'HEN A TOWER N	ISSI. IF THE HEIGI 20 FOOT POLE CA IUST BE USED.	N BE USED.	INIMUM -86DB HS	SSI LEVEL IS L REQUIREMENT	LESS TS					MP S	¶ C) -
7. THE VOID AREAS BETW EUCLID CITEM CO. OR NON-SHRINK GROUT, E	VEEN TO APPROV EXCEPT A	P SLAB	AND FORCE AL SEAL. AL RIBED IN N	E MAIN PIE L OTHER OTE #6. F	PE SHAL OPENIN ROVIDE	L BE SEALE IGS IN CON	D W/EU CRETE ⁻ REEN S	COLASTIC TOP WITH ECURED T	BY		9. THE F "R" EL ELEVA	EVATION STATION T EVATION SHALL ATION, WHICHEV	OP ELEVATION S BE EQUAL TO TH ER IS HIGHER.	HALL BE SET AT / HE DESIGN HIGH V	A MINIMUM (VATER LEVE	EL OR THE 100 YE	"R" ELEVATION AR FLOOD	N. THE					PUI		
8. PROVIDE 6" x 6" OPENII		DUGH TH	E CONCRE	TE TOP C	F THE W	VET WELL A	ND INSE	ERT 8" x 8"	x 1 ½"		10. THE ADJ/	TOP ELEVATION ACENT CONCRE	OF JUNCTION M TE STRUCTURE (IAN HOLE SHALL N PUMP STATION SI	IATCH THE LAB, DRIVE	TOP ELEVATION C WAY OR CURB).	OF NEAREST						ONE	BAC VFI	ECT.
9. PROVIDE 2" PIPE (PVC, SEAL AROUND CONCE	SCH. 80) THROU	IGH CONCR				AD OPE	EN END BO	TTOM.										J 				ASS	DBY 2 BF	ND
FOR THE CONSTRUCTI WELL.	ON OF T	HE AIR-	RELEASE V	ALVE PIP	ING. EXT	TEND 18" AB	OVE TH	IE TOP OF	WET								ET OP OT	HER					SD CL	STAN OW:	AN /
10. SITE GRADE IS 6" (MIN)	BELOW		EVATION OF	F PUMP S		SLAB.		OUPS MI	CL. OI		AE SH	DJACENT CIT HALL BE LES	TY OR JEA O	WNED DRAIN	AGE FAC	CILITY. THE D	DRIVEWAY DBY JEA.	SLOPE					JDAF	N H H	Ъ.
MH, CH, OH AND PT) TH BACKFILL WITH GRANU	IE SOILS	SHALL CKFILL (BE OVER-EX 57 STONE).	XCAVATE	D AN AD	DITIONAL 1	2" (AT A	MIN.) AND)		2. CC SL		MUST MAIN (1) YEAR WA	ITAIN LANDS RRANTY FRC	CAPING U DM NURS	UNTIL FINAL A	ACCEPTAN 'ING PLAN'	NCE ANI TS FRO	D M				STAN	≥ 1 1	i :
12. PRECAST CONCRETE V WET WELL & TOP SLAB BY LINER MANUFACTUI SPECIFICATIONS. THE INSTALLATION. (SEE W	NET WEL SHALL E RER. SUE EXCAVA ET WELL	L SHALI BE LINEI BMIT CE TED HOI DIMENS	MEET A.S. WITH APP RTIFICATIO LE SHALL BI SIONS TABL	T.M. C-47 ROVED L N WITH S E DRY (DI E)	8 STAND INER. LIN HOP DR E-WATEF	OARD, ENTIF NER INSTAL AWING SUB RED) DURIN	E INSID LER MU MITTAL G THE V	DE SURFAC IST BE CEF . SEE WET WELL	CE OF RTIFIED		3. DE IT FF TC	EMARCATION SHALL BE P ROM VENTS. D THE WET V	N BOX SHAL LACED AT LI IT SHALL BE VELL OR DIS	L BE PLACED EAST 3' FRON E PLACED SO SCHARGE API	AS CLOS A WET W AS NOT PARATUS	SE AS POSSI ELL HATCH A TO INTERFE S, AND DOOR	BLE TO WE ND AT LE/ RE WITH A SHALL FA	ET WEL AST 5' ACCESS	L. AY				JEA	FOF	
13. PRECAST POLYMER CO EXCAVATED HOLE SHA WELL DIMENSIONS TA	ONCRETE	E WET W RY (DE-V	/ELL SHALL VATERED) [MEET JE DURING T	A POLYN HE WET	MER PRECA WELL INST.	ST STAP	NDARD. TH DN. (SEE W	IE /ET		4. SE		ELL.		AL SERV		DING						H		_
14. SEE REFERENCE FACIL PAVEMENT SPECIFICA	LITIES ST	FANDAR	DS FOR GEI	NERATOR	R, ATS, B	ACKFLOW,	BOLLAR	RDS AND			5. CC	ONTRACTOR	MUST KEEP	P COMPANY S	SIGN ANE	D PHONE NUN	MBER ON F	FENCE							
(HTTPS://WWW.JEA.CO	M/ENGIN	VAILAB	_AND_CON _E AT JEA.C	STRUCTI	UN/JEA_ CONSTR	FACILITIES	STAND	ARDS/) OF SPECIF	IC		6. TF ME	RANSFORME ETER CAN A	RS SHALL B	E LOCATED (CAL PANELS	ON THE S	SAME SIDE OF	F PROPER	TY AS					ö		
16. PUMPS SHALL BE NUM	BERED S		L. TIALLY, LEF PIPING TH		HT, WHE	N STANDIN		ONT OF TH	HE WET Y WITH		7. W W	'ET WELL LIC 'ELL.) SHALL UTIL	IZE STAPLE	ASSEMB	LY FOR LOCK	(ING THE V	WET					PROJ. N	DATE:	OUALL.
THE LOWEST SERIAL N	NUMBER	BEING	PUMP NUME	BER ONE.	GITALL		_D SEQ		, with														ETS	ġ	Ŋ
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	GE	NERAL NOTES:		DES
	1.	ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS" IN JEA WATER AND SEWER STANDARDS MANUAL.		1. 2.
	2.	PENETRATION SOIL BORING INFORMATION, TAKEN AT WET WELL LOCATION, SHALL BE SUBMITTED PRIOR TO DESIGN SUBMITTAL. SOIL BORING SHALL BE A MINIMUM OF 15 DEEPER THAN WET WELL BOTTOM OR UNTIL SUITABLE SOIL IS LOCATED UP TO A MAXIMUM OF 25'B BELOW WET WELL BOTTOM.		3.
	3.	ALL PIPING WITHIN AND EXTERNAL OF THE WET WELL SHALL BE FLANGED SCHEDULE 40, 316 STAINLESS STEEL. BUTT WELDING OF ANY PIPING (EXCEPT FOR THE EMERGENCY SUCTION PIPE IN THE WET WELL) IS NOT ALLOWED.		4. 5. 6.
	4.	ALL DUCTILE IRON FITTINGS (90s, 45s, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL BE DUCTILE IRON AND FLANGED EPOXY LINED.		7.
	5.	ALL NUTS, BOLTS AND ACCESSORIES WITHIN AND EXTERNAL OF THE WET WELL SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.		8.
	6.	ALL EXTERIOR JOINTS OF PRECAST CONCRETE AND PRECAST POLYMER WET WELLS AND MANHOLES SHALL BE SEALED WITH A 18" WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (SEE JEA SPEC).		
	7.	THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED W/EUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL. ALL OTHER OPENINGS IN CONCRETE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #6. PROVIDE INSECT SCREEN SECURED TO TOP.		9 E 10.
	8.	PROVIDE 6" x 6" OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 $\frac{1}{2}$ " THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 $\frac{1}{2}$ " WIDE x $\frac{1}{6}$ " MATERIAL.		
	9.	PROVIDE 2" PIPE (PVC, SCH. 80) THROUGH CONCRETE TOP WITH CAPPED TOP AD 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. EXTEND 18" ABOVE THE TOP OF WET WELL.		<u>cc</u>
	10.	SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.		1.
	11.	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).		2.
	12.	PRECAST CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & 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)		з.
	13.	PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)		4.
	14.	SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS. (HTTPS://WWW.JAE.COM/ENGINEERING AND CONSTRUCTION/JEA FACILITIES STANDARDS/)		5.





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							PUMP SC	STATION HEDULE OF		ATION NS							· · ·							
PUMP STATION STREET ADDRESS	TOP ELEV (NOTE 9)	MERCOID LEVEL	ALARM ELEVATION C	LEFT BLANK D	LAG PUMP ON ELEVATION	LEAD PUMP ON ELEVATION	PUMP OFF ELEVATION G	BOTTOM ELEVATION H	WET WELI DIA.	L DISCHARG PIPE DIA	GE DISCHARGI F.M. DIA.	E BASE EXTENDER	BOTTOM SLAB THICKNESS (INCHES)	PER HOLE DIA. (SEE NOTES)	CONTR ELEVAT	ROL SUCTION CLEARANCE (INCHES)	SITE FLOOD ELEVATION (DESIGN NOTE 10) R	INFLUENT SIZE (SEE T. BELC	TCH ZE TABLE DW)		FIC	EVISIONS		
	R + 1.0	P + 0.5'	P - 0.5'		P - 1.0'	P - 1.5' 	F - SV 	G - 3' 											-		U U	æ		
PUMP MANUFACTURER (NOTE #1)			ALL PUMPS									P	OLYMER CO	ONCRETE	E FLOAT	ATION COLLA	RS					Н		
MODEL								-			DEPTH	0-10FT	DE	PTH 11-15F	т	DEPTH	16-20FT	DEPTH 21	1-30FT		S I	Н	-	+++
PUMP DISCHARGE									WET	WELL D. E	MIN BASE EXTENDER (IN)	MIN WEIGHT OF TOTAL STRUCTURE (LBS	MIN BASE EXTENDER (N) MIN W	UEIGHT OF OTAL TURE (LBS)	MIN BASE EXTENDER (IN)	MIN WEIGHT OF TOTAL STRUCTURE (LBS	MIN BASE EXTENDER (IN)	MIN WEIGH TOTAL STRUCTURE	(LBS)	ш	DATE		
MOTOR (RPM) HORSEPOWER (HP)								-	8'-	-0"	3	35600	3	3	7600	2	46000	-	5200		ΙĒ	Н	-	+++
PHASE/VOLT/AMPS (NOTE #4) AIC (NOTE #5)									10'	'-0" '-0"	5	57580 82900	5	7	5000 13200	5	78700 134500	3	91100 139000)	S N	BY		
DESIGN POINT (GPM) @ TDH (FT)	-							-		DISCH	ARGE PIPE		HIN WET WI	=11)		MAN	UAL TRANSF	FR SWITCH				Ц		
EMERGENCY MAIN									PIPE	SIZE P	IPE HOLE	PUMP	MIN	HATCH	SIZE	JEA APPRO	VED	200 AMP				Ö.	4 6	~ - 10
NORMAL SERICE MAIN CB #1 TO PUMP NO. 1	-								(J	J)	(N)	(PS)	SIZE (PO)	(MII		JEA APPRO	IVED	400 AMP				Г		
CB #2 TO PUMP NO.2 CONTROL PANEL MCB								-	4	t" 3"	10" 12"	26" 32"	4" 6"	42"x	48" 60"		CONCF	RETE WET WELL D	DIMENSIC	TOP SLAP	3 THICKNESS			N N
STARTER (SIZE & TYPE) ELECTRIC SERICE (SIZE & TYPE)									FI	REE STAND	ING PUMP OU	IT FOR PIPE SI. 36"	ZES GREATER 8"	THAN 6"		WET WEL 8'-0"	L I.D.	0'-9"	(MIN)	(1	MIN))'-10"	ER		TRATIO
PUMP STATION INFORMATION N	OTES:	-							10	0" 2"	17"	44"	10"			10'-0"		1'-0"		1	1'-0"	ENGINE		A REGIS
1. SEE JEA STANDARDS VOL MANUFACTURES	JME 3 (WAT	ER AND WA	STEWATER	APPROVED	MATERIAL	S MANUAL) F	OR APPRO	VED	14" & LA	ARGER	-	-	14" & LARGE	R	¦	12-0		1-0"			1:-0"	DESIGN		FLORID
 "SV" = STORAGE VOLUME MINIMUM STORAGE DEPTH 	PER DESIGN	N ENGINEER	R AND SHALL	BE DESIG	NED FOR 12	MINUTE CY	CLE TIME,				N	ICC PANEL					POLYM	MER WET WELL DI		TOP SLAE	3 THICKNESS	h		
3. IF PUMP MANUFACTURER	REQUIRES	A GREATER		N, THAT SE	PARATION	SHALL BE US	SED WITH T	HE	THE	COMBINED	MOTOR CON	ITROL AND RT	/ PANEL SHAL	L BE AS NO P DRAWING	TED	8'-0"	L I.D.	0'-6"	(MIN)	(1	MIN))'-10"			
PRIOR TO CONSTRUCTION	AND SHALL	L BE PROVI	DED AT NO A	DDITIONAL	COST TO J	IEA.	ROVED BI	JEA		FIXEI	D SPEED PAN	EL:				10'-0"		0'-6 1/2"		0)'-10"			
5. AMPERE INTERRUPTING C	APACITY (A	L. IC): CONTA	CT THE ELEC	CTRICAL UT	ILITY COMP	ANY FOR TH	IIS DATA IF			FIXE	MOTOR STAR	TING, 15 STAR	TS PER HOUR	L VOLIAGE		12-0		0:-7"		1	1:-0"	i i		BY:
6. A MANUAL TRANSFER SW	ITCH SHALL	. BE PROVID	DED.								480 VOLT, 3 P STARTS PER I	HASE, FULL VO	DLTAGE MOTO	R STARTIN	G, 15	MANUFACTURER	AKSA	CATERPILLAR	cui	MMINS	GENERAC	ESIGNE	ATE:	HECKEI ATE:
 A PHASE MONITOR SHALL PROVIDED POWER BY JEA 	BE INSTALL REFER TO	ED ON THE	INCOMING F	POWER SOI	JRCE FOR A	ALL PUMP ST R DETAILS.	ATIONS NO	т	c	1P-3F	VFD PANEL: 480/277 VOLT, STARTING, 15	: 3 PHASE, WYI STARTS PER I	E, FULL VOLTA HOUR	GE MOTOR		MODEL						<u> </u>		
										3P VF	D PANEL:: 480/277 VOLT,	3 PHASE, WY	E, REDUCED V	OLTAGE MO	DTOR	ĸw]			K su
GENERAL NOTES: 1. ALL WORK SHALL O WATER AND SEWE 2. PENETRATION SOIL SUBMITTAL SOLB LOCATED UP TO A 3. ALL PIPING WITHIN WELDING OF ANY F 4. DUCTILE IRON ALL AND FLANGED EPO 5. ALL NUTS, BOLTS AND SHALL BE COM	COMPLY V R STAND BORING ORING SY MAXIMUN AND EXT PIPING (E) FITTINGS XY LINEE AND ACC ITED WIT	VITH SPE ARDS MA INFORM, HALL BE J M OF 25' E ERNAL O KCEPT F(G (90s, 45s) . EESSORIE H A "NEV	CIFICATIO INUAL. ATION, TAI SELOW WE F THE WE OR THE EN , TEES ET S WITHIN ER SEIZE	NS, SEC KEN AT V 1 OF 15' E T WELL S IERGENC C.) WITHI AND EXT	TION 433, VET WELL DEEPER T BOTTOM. SHALL BE YY SUCTION N AND E CERNAL O DATING.	"SUBMER L LOCATIO HAN WET FLANGED ON PIPE IN KTERNAL (SIBLE SE N, SHALL WELL BC SCHEDU I THE WE DF THE W T WELL S	WAGE PU BE SUBM TTOM OR LE 40, 316 T WELL IS ET WELL IS HALL BE S	MPING S ITTED PF UNTIL S S STAINLI S NOT AL SHALL B 316 STAII	RIOR TO E SUITABLE S ESS STEE LOWED. E DUCTILI NLESS ST	" IN JEA DESIGN SOIL IS EL. BUTT E IRON EEL	DESI 1. f 2. v 3. l 4. l 5. l 6. l 7. r 8. F	GN NOTES: ENGINEER SHALL SIZE: SUTES TO BE EF PUMP S' MINIMUM FLOOR MINIMUM CONCI MINIMUM CONCI MINIMUM UNCONCI MINIMUM UNCONCI DISTREE ENGINI TIS THE ENGINI TO DETERMIN TO DETERMIN	L USE THIS F TATION RATE: 500 RIC SERVICI , 200 AMP., (, 200 AMP., (RETE PAD SI ION MANHO ON SAME SII ION SAME SII IN STORES IN STOLES IN STOLES	PLAN AS A B OMPLETED 0 GPM EAC 2 SIZE: 3 PHASE, 4 IZE: LE SIZE: DE OF DRIV ONSIBILITY EVER, THE OWN HERE 0 A ROUGE DA TOWER	BASIS OF DESIGN F DRAWING. 8-0° LD. MIN., 2 8-0° LD. MIN., 2 H PUMP WIRE 50×55° FEWAY AS PUMP-0 TO DESIGN THE S ENGINEER SHALL FOR SCADA (SEE / 5 REQUIRED A FRA	OR SITE SPECIF 7' DEEP MAX. 1' D. UT CONNECTION UT CONNECTION TE TO MEET FUI MAKE EVERY EF LSO SPEC SEC'	IC PUMP STATION. TH N. NCTIONALITY AND SIT FORT TO CONFORM TION 433); MUST FIRST BE	HESE TE TO			[ATION		1000 GPM Building Comm.
 ALL EXTERIOR JOII SEALED WITH A 18' THE VOID AREAS B OR APPROVED EQU DESCRIBED IN NOT 	WIDE RU ETWEEN JAL SEAL	TOP SLA	D ASPHAL B AND FOR	T MEMBE RCE MAIN	RANE TAP	ALL BE SE TE TOP WI	EA SPEC). EUCOLAS HRINK GF	TIC BY E	UCLID CIT	FEM CO.	9. T	THE SCADA PA RSSI LEVEL IS I HEIGHT REQUI HE PUMP STATI FHE "R" ELEVATI ELEVATION, WHI	NEL AND MU LESS THAN (REMENTS AF ON TOP ELE ON SHALL B CHEVER IS F	IST BE A MI DR EQUAL 1 RE OVER 20 VATION SH E EQUAL TO HIGHER.	NIMUM OF -86DB R TO 20 FEET THEN A D FEET THEN A TOV ALL BE SET AT A M D THE DESIGN HIGI	SSI. IF THE HEIG 20 FOOT POLE (/ER MUST BE US INIMUM OF 1' ABI H WATER LEVEL	SHT OF THE MINIMUM : CAN BE USED. IF THE SED. OVE THE "R" ELEVATIO OR THE 100 YEAR FLC	-86DB ON. DOD			PUMP S	OR 21	41 AND ON
8. PROVIDE 6" x 6" OP ALUMINUM GRATE	ENING TH VENT CO	IROUGH	THE CONC TED OF 1 ¹ / ₂	RETE TO	P OF THE	E WET WE	LL AND IN	ISERT 8" x	(8" x 1 ½"	THICK		10. 11.	THE TOP ELEV ADJACENT CON FLOW METER: ULTRASONIC F	ATION OF JUI CRETE STRU	NCTION MA	IN HOLE SHALL MA IMP STATION SLAB	TCH THE TOP EL . DRIVE WAY OR FION SHALL BE D	EVATION OF NEAREST CURB).	T ER.			TWO	UERAT	EEN 4 SECTI
9. PROVIDE 2" PIPE (F AROUND CONCRE CONSTRUCTION OF	VC, SCH. TE TOP W THE AIF	80) THRO /ITH NON R-RELEAS	DUGH CON SHRINK G E VALVE I	ICRETE T GROUT. IN PIPING. E	OP WITH THE FU XTEND 1	I CAPPED TURE, THI 8" ABOVE	TOP AND S PIPE WI TOP OF V	OPEN EN LL BE UTI VET WELL	D BOTTC LIZED FC	OM). SEAL OR THE		CONS	STRUCTION	NOTES:								CLASS	H GEN	BETW AND
10. SITE GRADE IS 6" (I	MIN) BELC	OW TOP E	LEVATION	I OF PUM	P STATIC	ON SLAB.						1. 5	SLOPE SITE	CONCRE	TE 1" PE	R 8' TO DRAIN	TOWARDS	STREET OR OTH	HER			Q.	TN:	^VS LAr
11. IN SILTS, CLAY OR AND PT) THE SOILS BACKFILL (57 STON	HIGHLY O SHALL B E).	RGANIC	SOILS (FIN EXCAVATE	IE-GRAIN ED AN AD	ED SOILS DITIONAL	3 INCLUDII 12" (AT A	NG SOIL (MIN.) ANI	BROUPS N D BACKFIL	IL, CL, OI L WITH (L, MH, CH GRANULA	, OH R	2. 0	ADJACENT C SHALL BE LE CONTRACTO	SITY OR J SS THEN	EA OWN I 6% UNL MAINTAI	ED DRAINAGE ESS SPECIFIC	FACILITY, T CALLY APPR NG UNTIL FI	THE DRIVEWAY S OVED BY JEA. NAL ACCEPTAN	SLOPE			ANDA	ī	
12. PRECAST CONCRE TOP SLAB SHALL B SUBMIT CERTIFICA DRY (DE-WATERED	TE WET V E LINED V TION WIT) DURING	VELL SHA VITH APP H SHOP [THE WE	ILL MEET / ROVED LII DRAWING T WELL IN	A.S.T.M. C NER. LINE SUBMITT STALLAT	C-478 STA ER INSTA AL. SEE S ION. (SEE	NDARD, E LLER MUS SPECIFICA WET WEI	NTIRE IN T BE CEF TIONS. TI L DIMEN	SIDE SURI TIFIED BY HE EXCAV SIONS TAB	FACE OF / LINER M /ATED H(BLE)	WET WEI MANUFAC OLE SHAL	LL & TURER. L BE	3. E		E (1) YEAF CEPTANC ON BOX S	R WARR	E PLACED AS	URSERY SU	OSSIBLE TO WE	T WELL			EA ST/		R PEA
13. PRECAST POLYMEI SHALL BE DRY (DE	R CONCR	ETE WET D) DURIN	WELL SHA G THE WE	ALL MEET T WELL I	I JEA POL NSTALLA	YMER PR TION. (SEI	ECAST S E WET WE	TANDARD. ELL DIMEN	. THE EX ISIONS T	CAVATED TABLE)	HOLE	F T F	ROM VENTS	S. IT SHAI WELL OF VELL	LL BE PL R DISCH	ACED SO AS I ARGE APPAR	NOT TO INTE ATUS, AND D	ERFERE WITH AC	CCESS CE AWA	Y		Γ	C L	Đ Đ
14. IF ODOR CONTROL FOR EACH. SEE ST	WILL NO	T BE INS1)ETAIL S⊦	ALLED UF	ON COM	PLETION	THEN CO	NDUITS A	ND PIPING	SHALL	BE STUBE	BED OUT	4. 5	SEE GROUN			ELECTRICAL S	ERVICE GRO	DUNDING				F		
15. FLOW METER SHAL MAG METER REQU	L BE ULT RES BY F	RASONIC PASS PIPI	OR MAG NG. SEE L	METER. U	JLTRASO NIC/MAG	NIC FLOW METER DE	METER F	REQUIRES	A FLOW	/ METER F DETAILS \$	PANEL. SHEET.	5. C	CONTRACTO	OR MUST	KEEP CO	OMPANY SIGN	AND PHONE	E NUMBER ON F	ENCE					= 10'
16. SEE REFERENCE F SPECIFICATIONS. (ACILITIES HTTPS://V	STANDA	RDS FOR .COM/ENG	GENERA	TOR, ATS G_AND_C	6, BACKFLO CONSTRUC	OW, BOLL CTION/JE/	ARDS ANI A_FACILIT	D PAVEN	/ENT NDARDS/))	6. T N	RANSFORM	IERS SHA AND ELE	ALL BE LI CTRICAL	OCATED ON T	HE SAME SI	DE OF PROPERT	TY AS			Ċ		÷
17. SEE JEA STANDARI INCLUDING ELECTR	O SHEETS RICAL.	6 (AVAILA	BLE AT JE	A.COM) F	OR CON	STRUCTIO	N DETAIL	S OF SPE	CIFIC CC	OMPONEN	ITS,	7. V	VET WELL L VELL.	ID SHALL	. UTILIZE	STAPLE ASS	EMBLY FOR	LOCKING THE W	VET			PROJ. NC)ATE:	SCALE:
18. PUMPS SHALL BE N FACING THE DISCH NUMBER BEING PU	IUMBERE ARGE PIF MP NUME	D SEQUE PING. THE BER ONE.	NTIALLY, I PUMPS S	LEFT TO HALL BE	RIGHT, W INSTALLI	HEN STAN ED SEQUE	IDING IN NTIALLY	FRONT OF	THE WE	ET WELL H ST SERIAL	HATCH,	L										ETS P	NO.	S NO.
																						NO. SHEI	SHEET	DRAWING









<form></form>		1						PUMP STATION SCHEDULE OF	INFORMATION ELEVATIONS	N													
<form></form>	PUMP STATION STREET ADDRESS	TOP ELEV (NOTE 9) A R + 1.0	MERCOI LEVEL B P + 0.5	D ALARM ELEVATION C ' P - 0.5'	LEFT BLANK D 	LAG PUMP ON ELEVATION E P - 1.0'	LEAD PUMP ON ELEVATION F P - 1.5'	MP OFF BOTTOM VATION ELEVATION G H - SV G - 3'	WET WELL DISC DIA. PIF	HARGE DISCHA PE DIA. F.M. D J K 	RGE BASE IA. EXTENDER	BOTTOM SLAB THICKNESS (INCHES) M	NOTES	PUMP SUCTION EVATION CLEARAN (INCHES) P Q 	N FLC CE (DES 3) NOT	TE DOD ATION BIGN E 10) R S 	T HATCH SIZE (SEE TAE BELOW	H BLE /)		SIFIC	REVISIONS		
				ALL PUMPS															,	Ш			
	UMP MANUFACTURER (NOTE #1)	_]	050	F	OLYMER CC	NCRETE FLO	DATATION COLL	ARS		DEDTUNA	NOFT.		٦			
	IPELLER									DEP	TH 0-10FT MIN WEIGHT OF	DEP	MIN WEIGHT		MIN WE	IGHT OF	DEPTH 21-3	IN WEIGHT OF	-	S	H	⊢	-
	JMP DISCHARGE OTOR (RPM)	-							I.D.	EXTENDER (IN	STRUCTURE (LB	S) EXTENDER (II	N) STRUCTURE (EXTENDER (IN)	STRUCT	TAL EXTEND	DER (IN) STF	TOTAL RUCTURE (LBS)		ш	DATE		
	ORSEPOWER (HP) HASE/VOLT/AMPS (NOTE #4)				-				8'-0" 10'-0"	3	35600	3	37600	2	46	700 -	-	5200 91100		F	Η	┢╋	-
	C (NOTE #5)				-				12'-0"	8	82900	8	113200	8	134	1500 7	7	139000	1	S	B		
	INOUT POINT (GPM) @ TDH (FT)								DI	SCHARGE PI	PE DATA (WIT	HIN WET WE	ELL)	N	IANUAL T	RANSFER SWIT	ГСН					\square	
	IERGENCY MAIN	_							PIPE SIZE	PIPE HOLE DIA.	PUMP SEPARATION	MIN PUMPOUT	HATCH SIZE (MIN.)		ROVED	20	0 AMP				Ö	4	6
	#1 TO PUMP NO. 1				-				(J)	(N)	(PS)	(PO)			NOTED	-			L		┯	<u> </u>	1
Unit product stores 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.111111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.11111 0.111111 <t< td=""><td>0 #2 TO PUMP NO.2</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>4" 6"</td><td>10"</td><td>26" 32"</td><td>4" 6"</td><td>42"x48" 42"x60"</td><td>-</td><td></td><td>CONCRETE WE</td><td>T WELL DI</td><td>MENSIONS</td><td></td><td>CKNESS</td><td></td><td></td><td></td></t<>	0 #2 TO PUMP NO.2				-				4" 6"	10"	26" 32"	4" 6"	42"x48" 42"x60"	-		CONCRETE WE	T WELL DI	MENSIONS		CKNESS			
	ARTER (SIZE & TYPE) ECTRIC SERICE (SIZE & TYPE)	_							FREE S	TANDING PUMP 15"	OUT FOR PIPE SI 36"	ZES GREATER	THAN 6"	WET V	/ELL I.D.	WALL TH	HICKNESS (N	/IN)	(MIN)	UKINE 33	œ		
	PUMP STATION INFORMATION N	IOTES:			-				10"	17"	44" 48"	10"		10	-0"		1'-0"		1'-0"		IGINEE		
 Market Nachowsky Amerikansky Amerikansky	1. SEE JEA STANDARDS VOLI MANUFACTURES	UME 3 (WA	TER AND V	VASTEWATER A	PPROVED N	MATERIALS	6 MANUAL) FOR	APPROVED	14" & LARGER	1 -	-	14" & LARGEF	۰ t	12	"-0"		1'-0"		1'-0"		SIGNE		
Building and provide a set of the set of	2. "SV" = STORAGE VOLUME I	PER DESIG		ER AND SHALL	BE DESIGNE	ED FOR 12	MINUTE CYCLE	TIME,			MCC PANEL			۲		POLYMER WE	T WELL DIN	MENSIONS			BB	—	
Autor and ender the state in the state in the state of t	3. IF PUMP MANUFACTURER	REQUIRES	E 24". S A GREATE	ER SEPARATION	I, THAT SEP	ARATION	SHALL BE USED	WITH THE	THE COME BELOW. C	BINED MOTOR C	ONTROL AND RT	V PANEL SHALL PLICABLE SHOP	BE AS NOTED DRAWING	WET V	/ELL I.D.	WALL TH	HICKNESS (N	/IN) TO	OP SLAB THI (MIN)	CKNESS			
A LANDROTTE AND ALL COMPARY AND CONTROL THE LECENCE. ULTUP COMPARY FOR THE OUTPEN A MANUAL MODEL TO ALL COMPARY AND CONTROL THE LECENCE. ULTUP COMPARY FOR THE OUTPEN A MANUAL MODEL TO ALL COMPARY AND CONTROL THE LECENCE. ULTUP COMPARY FOR THE OUTPEN A MANUAL MODEL THE OUTPEN A MANUAL	ADDITION OF FLANGED FIL PRIOR TO CONSTRUCTION	LLERS OR N AND SHA	SPOOL PIE	CES. THE DIFFI VIDED AT NO AI	ERENT SEPA	ARATION M COST TO JI	IUST BE APPRO' EA.	/ED BY JEA	PACKAGE,	SEE JEA.COM F	OR DETAILS.			8	'-0" I'-0"		0'-6"	_	0'-10"				
Ausing in an intermedian in the second	 ALL PUMP MOTORS SHALL AMPERE INTERRUPTING C 	L BE 3 PHA	SE.	ACT THE FLEC	TRICAL UTIL	ITY COMP.	ANY FOR THIS D	ATA IF		240/120 VC MOTOR ST	LT, 3 PHASE, OPE ARTING, 15 STAR	N DELTA, FULL	VOLTAGE	12	"-0"		0'-7"		1'-0"				
A. MARKEN AND ALL REACTING TO ALL THE STATUS THAT IN ALL REAL MARKEN THAT	AVAILABLE.			(DED						FIXED SPEED F 480 VOLT, STARTS PE	'ANEL:: 3 PHASE, FULL V(ER HOUR	DLTAGE MOTOF	R STARTING, 15			STANDB	Y BACKUP P	UMP			NER:	N BY:	
DATE OF DATE AT A REST TO LED AND MALE DE LEUK DUMANT VIEW IN DE VIEW IN THE VIEW	7. A PHASE MONITOR SHALL	. BE INSTAL	LED ON TH	E INCOMING P	OWER SOUR	RCE FOR A	LL PUMP STATI	ONS NOT		1P-3P VFD PAN 480/277 VC	EL:: ILT, 3 PHASE, WY	E, FULL VOLTAG	GE MOTOR	MANUFACTU	JRER	HOLLAND	TH	IOMPSON	XYLEM	GODWIN	DESIG	DRAW	
All VUICE VERTICE VERTICES VERTICES VERTICES AND	PROVIDED POWER BY JEA	A. REFER T	O ELECTRI	C SINGLE LINE	DETAIL DIAG	GRAM FOR	DETAILS.			STARTING 3P VFD PANEL:	15 STARTS PER	HOUR		ENGINE H	I.P.		_		-		Г		
EVERAL NOTES ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 43, SUBMERSIBLE SERVICE PUMPING STATIONS ¹ IN LEG MILTERNA SEVER STANDARDS MANUAL: MILTERNA SEVER										480/277 VC STARTING,	LT, 3 PHASE, WY 10 STARTS PER	E, REDUCED VO HOUR	DLTAGE MOTOR	FLOW GPM (3TDH								
EXERCIMANTES A. LA LONGEN SHALL COMPLY WITH SPECIFICATIONS, SECTION 43, "SUBMERBIBLE SENAGE PLANPING STATIONS" IN LEG A. MUTCH MOD EVENTS STANDARDS MANAL. P. PORTHER STANDARDS LORGEN STATUTES THE LOCATION, SHALL DE SUBMITTED PRORT OF DEGING TO DESIGN CONSERTED PRORT LOCATED UP TO AMAGABILMOST DE DEGINA TAT WIT WELL LOCATION, SHALL DE SUBMITTED PRORT OF DEGING TO DESIGN CONSERTED PRORT LOCATED UP TO AMAGABILMOST DE DEGINA TAT WIT WELL LOCATION, SHALL DE SUBMITTED PRORT OF DEGING TO DESIGN CONSERTED PRORT LOCATED UP TO AMAGABILMOST DE DEGINA TAT WIT WELL DOCTON. A. LIP PRORT WITH AND DETERMAL OF THE WEIT WELL SHALL DE AND EXAMPLES STELL MOD SHALL DE CONTENT NA PROVIDE LOCATION THE EXERCISENCE SUCCESS TO AMAGABILMOST DE TENDE TO THE WEIT WELLS AND LOCATION WITH AND DETERMAL OF THE WEIT WELLS AND LOCATION WITH AND DETERMAL OF THE WEIT WELLS AND MANHOLES SHALL DE STATISTICS TO AMAGABILMOST DE TENDE TO THE WEIT WELLS AND LOCATION WITH AND DETERMAL OF THE WEIT WELLS AND MANHOLES SHALL DE CONTENT NA PROVIDE CONTERES NOT PROVIDENT TO CONTENT NA PROVIDE SUCCESS TO CONTERE NA PROVEDENT NEL CONTENT NA PROVIDE SUCCESS TO CONTERE NA PROVEDENT NEL CONTERE NA PROV														DISCHARGE PI	PE SIZE							R	i
 WELDING OF ANY PIPHIN (EXCEPT FOR THE ELEMENDENCY SUCTION PIPE IN THE WET WELL SHALL DE DUCTLE IRON MUL PITTING (80%, 45%, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL DE DUCTLE IRON MUL PITTING (80%, 45%, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL DE DUCTLE IRON MUL PITTING (80%, 45%, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL DE DUCTLE IRON MUL PITTING (80%, 45%, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL DE STAINLESS STEEL AND SHALL DE CONTENT IN WEIR STURY FOR THE CONTENT IN WITHIN AND EXTERNAL OF THE WET WELLS AND MANULESS STEEL AND SHALL DE CONTENT IN WUR PIXE SECURITOR TO YIER WET WELLS AND MANULESS STEEL AND SHALL DE STERNE THE CONTENT IN WUR PIXE SECURITOR TO YIER WET WELLS AND MANULESS STEEL AND INTO A SHARE TAPE. (SEE JEA SPEC). THE VOID RARAS BETWEEN TO PS JAA AND FOXCE MAN PIPE SHALL DE SEALED WELLCOLASTIC DY EUCLID CITEM CONTENT ON THE MEDIA WEAR MANULESS IN HE EAST AND MANULESS AND FOXCE TO THE MINE AND SHARE TAPE. (SEE JEA SPEC). THE VOID RARAS BETWEEN TO PS JAA AND FOXCE MAN PIPE SHALL DE SEALED WELLCOLASTIC DY EUCLID CITEM CONTENT ON THE WEAT WAITING AND AND FOXCE TO PO THE WET WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT TO THE WEAT WAITING AND AND FOXCE TO PO THE WET WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT TO THE WEAT WAITING AND AND FOXCE TO PO THE WET WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT TO THE WEAT WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT THE OTHER AND AND FOXCE TO PO THE WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT THE TO PO THE WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT THE TO PO THE WELL AND INSERT 8" X 8" x 1" THICK ALUMINING GRATE YENT CONTENT THE THE YENT CONTENT THE YENT CONTENT THE THE YENT CONTENT THE YENT CO	 PENETRATION SOIL E SUBMITTAL. SOIL BO LOCATED UP TO A M ALL PIPING WITHIN A 	BORING ORING SH MAXIMUM	INFORM/ IALL BE / I OF 25' E ERNAL O	ATION, TAKE A MINIMUM (BELOW WET F THE WET)	N AT WET OF 15' DEE WELL BOT WELL SHA	T WELL L EPER TH/ TTOM. ALL BE FI	OCATION, SH AN WET WEL	IALL BE SUBMIT L BOTTOM OR L EDULE 40, 316 \$	TTED PRIOR T JNTIL SUITABL STAINLESS ST	O DESIGN LE SOIL IS TEEL. BUTT	3. MI 4. MI	PUMP STAT NIMUM FLOW RA NIMUM ELECTRIC 240 VOLT, 2	TION TE: 500 GPM E C SERVICE SIZE: 00 AMP., 3 PHASE	8'-0" I.D. MIN., : ACH PUMP , 4 WIRE	27' DEEP M	AX.					╞		•
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 ALL NTS, BOLTS AND ACCESSIONES WITHIN AND EXTERNAL OF THE WEY WELLS AND BANLESS STELL AND SHALL BE CONTENT THEYER SECTOR DUTY AND EXTERNAL OF THE WEY WELLS AND MANHOLESS STALL BE SCALED WITH A 18Y WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (BEE JEA SPEC). ALL EXTERIOR JOINTS OF PRECAST CONCRETE AND PRECAST POLYMER WEY WELLS AND MANHOLESS SHALL BE SCALED WITH A 18Y WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (BEE JEA SPEC). THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PRES SHALL BE SCALED WEUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL ALL OTHER OPENNESS IN CONCRETE TOP WITH MON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE ##, FRONTING INC. ONCRETE TOP WITH MON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE ##, FRONTING INC. ONCRETE TOP WITH AND PRED TOP AND OPEN END BOTTOM, SEAL AROUND CONCRETE TOP WITH NON-SHRINK GROUT, IN THE FUTURE. THIS IPPE WILL BE CHARGED AND INTERVIEW AND AND HELE AND INSERT # * 8* x1 ¹/₂ THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1⁴ WIDE X ⁴ MATERNAL. INSTE GRADE IS 9' (MN) BELOW TOP ELEVATION OF PURPHY AND ARD PRE THE VELL AND INSERT # * X8 * 1⁴/₂ THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1⁴ WIDE X ⁴ MATERNAL. INSTE GRADE IS 9' (MN) BELOW TOP ELEVATION OF PURPHY AND ARD PRE THE WELL XAND INSERT # * X8 * 1⁴/₂ THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1⁴ WIDE X ⁴ MATERNAL. INSTE GRADE IS 9' (MN) BELOW TOP ELEVATION OF PURPHY BILL BE USED SHALL BE DESCRIPTION OF THE VENT AND AND HELE AND THE VELL XAND AND AND HELE AND AND HELE AND THE VELL XAND AND AND HELE AND	AND FLANGED EPOX	(Y LINED	(90s, 45s	, IEES ETC.	WITHIN A	AND EXT	ERNAL OF TH	IE WET WELL S	HALL BE DUC	TILE IRON	7. IT I SPE	S THE ENGINEER	R'S RESPONSIBILI	TY TO DESIGN THE S HE ENGINEER SHALL	ITE TO MEI MAKE EVE	ET FUNCTIONALITY	AND SITE	HE			NCI	5	
SEALED WITH A 16" WDE RUBBERIZED ASPHALT MEMBRANE TAPE, (SEE JEA SPEC). 1. THE VOID AREAS GETWEEN TO POSLAGA MAD FORCE MAIN JPRE SPALED WIELUCALASTIC BY EUCLID CITEM CO. APPROVED EDUAL SEAL ALL OTHER OPENINGS IN CONCRETE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #6. PROVIDE INSECT SCREED SECURED TO TOP. 9. PROVIDE 2' N° OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 ¹ / ₂ " THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 ¹ / ₂ WIDE x ¹ / ₂ " MATERIAL. 9. PROVIDE 2' N° OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 ¹ / ₂ " THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 ¹ / ₂ WIDE x ¹ / ₂ " MATERIAL. 9. PROVIDE 2' N° OPENING THROUGH THE CONCRETE TOP WITH CAPPED TOP AND OPEN END BOTTOM, SEAL ACOUND CONCRETE TOP WITH NON-SHRINK GROUT, IN THE FUTURE, THIS PIPE WILLE BUTTLIZED FOR THE CONSTRUCTION OF THE AIR RELEASE VALVE PIPING. SCTEND 18" ABOVE TOP OF WET WELL. 10. SILE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SINGL GROUPS ML, CL, OL, MH, CH, OH, AND PT) THE SOILS GHALL BE EVER SHALL BE UNE STATUD OF PUMP STATION SINGL GROUPS ML, CL, OL, MH, CH, OH, AND PT) THE SOILS SHALL BE CURE SHALL MEET AS.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & TOP SLAB SHALL BE LINED WITH APPROVED LINER. INHING SOIL GROUPS ML, CL, OL, MH, CH, OH, BACKFILL (75 TOR). 10. SILE GRADE IS 6" CONCRETE WELL SHALL MEET AS.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & TOP SLAB SHALL BE LINED WITH APPROVED LINER. INHING AND BACKFILL WITH GRANDLAR BACKFILL (75 THE). 11. IN SILTS, CLAY CONCRETE TOP WITH ALL MEET AS.T.M. C-478 STANDARD, STREEET OF WELL & TOP SLAB SHALL BE LINED WITH APPROVED LINER. INHING AND ADACKFILL WITH GRANDLAR BACKFILL (75 THALL BE VACED SS ENDITICAL SEE SPECIFIC CONCRETE TOP WITH ALL DEVERTION SHALL BE PLACED AS CLOSS AND TOT ON HERE STREET OF ATTHERE WITH ALL AND ADACKFILL WITH GRANDLAR SHELL HERE MET AS AND ADACKFILL WELL WAITING AND ADACKFILL WITH GRANDLAR BACKFILL (75 THE WELL MAIL MEET AS.T.M. C-478 STA	 ALL NUTS, BOLTS A AND SHALL BE COAT ALL EXTERIOR JOINT 	AND ACC TED WITH TS OF PF	ESSORIE 1 A "NEVE RECAST (S WITHIN AN ER SEIZE" T CONCRETE A	ND EXTER YPE COAT AND PREC	RNAL OF TING. CAST POI	THE WET WE	WELLS AND MA	6 STAINLESS	STEEL _L BE	8. HC 1 1	W TO DETERMIN O DETERMINE IF HE RADIO PATH IND MUST BE A M	E TOWER OR PO A POLE OR TOWE STUDY MUST BE I	E FOR SCADA (SEE) R IS REQUIRED A RA ONE USING THE SAM RSSI. IF THE HEIGHT	ALSO SPEC DIO PATH S ME TYPE OF F OF THE M	SECTION 433): STUDY MUST FIRST RADIO USED IN TH INIMUM -86DB RSSI	BE CONDUC HE SCADA PAI	TED. NEL SS			-STA	ΞM	
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 I. SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB. I. IN SILTS, CLAY OR HICHLY 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 (5' STONE). I. SLOPE SITE CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & TOP SLAB SHALL BE LINED WITH APPROVED LINER. INFALLER MUST BE CERTIFIED BY LINER MANUFACTURER. SUBBUT CERTIFICATION WITH SHOP DRAWING SUBMITTAL. SEE SPECIFICATIONS. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLER MUST BE CERTIFIED BY LINER MANUFACTURER. SUBBUT 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) I. PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE) I. FODOR CONTROL WILL NOT BE INSTALLED UPON COMPLETION THEN CONDUITS AND PIPING SHALL BE STUBBED OUT FOR EACH. SEE STUB OUT DETAIL SHEET. FLOW METER SHALL BE ULTRASONIC CHOW METER REQUIRES A FLOW METER PANEL. MAG METER REQUIRES BY PASS PIPING. SEE ULTRASONIC/MAG METER DETAIL ON MISCELLANEOUS DETAILS SHEET. SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS. (HTTPS://WWW.JEA.COM/ENGINEERING_AND_CONSTRUCTION JEA, FACILITIES_STANDARDS/) SEE SEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC COMPONENTS, METER CAN AND ELECTRICAL PANELS. 	 PROVIDE 2" PIPE (PV AROUND CONCRETE CONSTRUCTION OF 	/C, SCH. E TOP W THE AIR	80) THRC ITH NON- R-RELEAS	OUGH CONC -SHRINK GR SE VALVE PIF	RETE TOP OUT. IN TH PING. EXT	P WITH C HE FUTU 'END 18"	APPED TOP IRE, THIS PIP ABOVE TOP	AND OPEN END E WILL BE UTILI OF WET WELL.	BOTTOM). SE IZED FOR THE	AL		LTRASONIC FLO	W METEH OH MAC	METER CONFIGURA	TION SHAL	L BE DESIGNED BY	ENGINEER.				CI AS	NDBY	
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6. SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS. (HTTPS://WWW.JEA.COM/ENGINEERING_AND_CONSTRUCTION/JEA_FACILITIES_STANDARDS/) 7. SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC COMPONENTS, INCL UDING ELECTRICAL 6. TRANSFORMERS SHALL BE LOCATED ON THE SAME SIDE OF PROPERTY AS METER CAN AND ELECTRICAL PANELS. 6. TRANSFORMERS SHALL BE LOCATED ON THE SAME SIDE OF PROPERTY AS	5. FLOW METER SHALL MAG METER REQUIR	BE ULTI	RASONIC ASS PIPI	OR MAG ME	TER. ULT RASONIC	FRASONI C/MAG MI	C FLOW MET ETER DETAIL	ER REQUIRES A	A FLOW METE	R PANEL. S SHEET.	4. SE RE		ING PLAN FOR	INDING DETAIL	SHEET)	GROUNDING							
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	7. SEE JEA STANDARD INCLUDING ELECTRI	SHEETS CAL.	(AVAILA	BLE AT JEA.	COM) FOR	R CONST	RUCTION DE	TAILS OF SPEC	IFIC COMPON	ENTS,	6. TF MI	ANSFORME	RS SHALL BE	LOCATED ON T AL PANELS.	HE SAM	E SIDE OF PR	OPERTY A	\S			PROJ. N	DATE	1
18. PUMPS SHALL BE NUMBERED SEQUENTIALLY, LEFT TO RIGHT, WHEN STANDING IN FRONT OF THE WET WELL HATCH, FACING THE DISCHARGE PIPING. THE PUMPS SHALL BE INSTALLED SEQUENTIALLY WITH THE LOWEST SERIAL NUMBER BEING PUMP NUMBER ONE.	 PUMPS SHALL BE NU FACING THE DISCHA NUMBER BEING PUM 	JMBEREI RGE PIP IP NUMB	D SEQUE ING. THE ER ONE.	NTIALLY, LE PUMPS SH/	FT TO RIG ALL BE INS	GHT, WHI STALLED	EN STANDIN() SEQUENTIA	G IN FRONT OF	THE WET WEL LOWEST SER	L HATCH, IAL	7. W	ET WELL LID ELL.	SHALL UTILI	ZE STAPLE ASS	EMBLY F	FOR LOCKING	THE WET				EETS		



Xrefs Attached:



PUMP STATION INFORMATION 2ND LAG PUMP STATION в ĸ ALL PUMP IP MANUFACTURER (NOTE #1) DEPTH 0-MIN BASE IMP DISCHARGE OR (RPM) 8'-0" E/VOLT/AMPS (NOTE # 10'-0" AIC (NOTE #5) SIGN POINT (GPM) @ TDH (FT DISCHARGE PIPE D JNOUT POINT (GPM) @ TDH (FT) **MERGENCY MAIN** PIPE HOLE DIA. PIPE SIZE RMAL SERICE MAIN (N) 3 #1 TO PUMP NO. 1 B #2 TO PUMP NO.2 10" ONTROL PANEL MCB FREE ARTER (SIZE & TYPE 15" 8" CTRIC SERICE (SIZE & T 17" PUMP STATION INFORMATION NOTES: 20" 14" & LARGER SEE JEA STANDARDS VOLUME 3 (WATER AND WASTEWATER APPROVED MATERIALS MANUAL) FOR APPROVED M "SV" = STORAGE VOLUME PER DESIGN ENGINEER AND SHALL BE DESIGNED FOR 12 MINUTE CYCLE TIME, MINIMUM STORAGE DEPTH SHALL BE 24". THE COMBINED MOTOR CONTR BELOW. CONTRACTOR SHALL PACKAGE, SEE JEA.COM FOR D IF PUMP MANUFACTURER REQUIRES A GREATER SEPARATION, THAT SEPARATION SHALL BE USED WITH THE ADDITION OF FLAKED FILLERS OR SPOOL PIECES. THE DIFFERINT SEPARATION MUST BE APPROVED BY JEA PRIOR TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA. FIXED SPEED PANE 240/120 VOLT, 3 MOTOR START 4. ALL PUMP MOTORS SHALL BE 3 PHASE. FIXED SPEED PANEL 480 VOLT, 3 PHA STARTS PER HO 5. AMPERE INTERRUPTING CAPACITY (AIC): CONTACT THE ELECTRICAL UTILITY COMPANY FOR THIS DATA IF AVAILABLE 6. A MANUAL TRANSFER SWITCH SHALL BE PROVIDED. IP-3P VFD PANEL A PHASE MONITOR SHALL BE INSTALLED ON THE INCOMING POWER SOURCE FOR ALL PUMP STATIONS NOT PROVIDED POWER BY JEA. REFER TO ELECTRIC SINGLE LINE DETAIL DIAGRAM FOR DETAILS. MANUAL TRANSFER SV JEA APPROVED JEA APPROVED

GENERAL NOTES:

- 1. ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS" IN JEA WATER AND SEWER STANDARDS MANUAL.
- PENETRATION SOIL BORING INFORMATION, TAKEN AT WET WELL LOCATION, SHALL BE SUBMITTED PRIOR TO DESIGN SUBMITTAL. SOIL BORING SHALL BE A MINIMUM OF 15 DEEPER THAN WET WELL BOTTOM OR UNTIL SUITABLE SOIL IS LOCATED UP TO A MAXIMUM OF 25' BELOW WET WELL BOTTOM.
- 3. ALL PIPING WITHIN AND EXTERNAL OF THE WET WELL SHALL BE FLANGED SCHEDULE 40, 316 STAINLESS STEEL. BUTT WELDING OF ANY PIPING (EXCEPT FOR THE EMERGENCY SUCTION PIPE IN THE WET WELL) IS NOT ALLOWED.
- 4. DUCTILE IRON FITTINGS (90s, 45s, TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL BE DUCTILE IRON AND FLANGED EPOXY LINED.
- 5. ALL NUTS, BOLTS AND ACCESSORIES WITHIN AND EXTERNAL OF THE WET WELL SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.
- ALL EXTERIOR JOINTS OF PRECAST CONCRETE AND PRECAST POLYMER WET WELLS SHALL AND MANHOLES BE SEALED WITH A 18" WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (SEE JEA SPEC).
- THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED WEUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEAL. ALL OTHER OPENINGS IN CONCRETE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #6, PROVIDE INSECT SCREEN SECURED TO TOP.
- PROVIDE 6" x 6" OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 ½" THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 ½" WIDE x ½" MATERIAL.
- 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 VALUE PIPINO. EXTEND 18" ABOVE TOP OF WET WELL.
- 10. SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.
- 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).
- 12. PRECAST CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & 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)
- 13. PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
- 14. IF ODOR CONTROL WILL NOT BE INSTALLED UPON COMPLETION THEN CONDUITS AND PIPING SHALL BE STUBBED OUT FOR EACH. SEE STUB OUT DETAIL SHEET
- 15. IF SOLID MANAGEMENT SYSTEM WILL NOT BE INSTALLED UPON COMPLETION THEN VACUUM PIPING FROM ODDER CONTROL SHALL BE STUB OUT AND A VACUUM PIPE SHALL BE INSTALL TO THE THE WET FROM THE ODDER CONTROL
- 16. FLOW METER SHALL BE ULTRASONIC OR MAG METER. ULTRASONIC FLOW METER REQUIRES A FLOW METER PANEL. MAG METER REQUIRES BY PASS PIPING. SEE ULTRASONIC/MAG METER DETAIL ON MISCELLANEOUS DETAILS SHEET.
- 17. SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR, ATS, BACKFLOW, BOLLARDS AND PAVEMENT SPECIFICATIONS. (HTTPS://WWW.JEA.COM/ENGINEERING_AND_CONSTRUCTION/JEA_FACILITIES_STANDARDS/)
- SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC COMPONENTS, INCLUDING ELECTRICAL.
- PUMPS SHALL BE NUMBERED SEQUENTIALLY, LEFT TO RIGHT, WHEN STANDING IN FRONT OF THE WET WELL HATCH, FACING THE DISCHARGE PIPING. THE PUMPS SHALL BE INSTALLED SEQUENTIALLY WITH THE LOWEST SERIAL NUMBER BEING PUMP NUMBER ONE.

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	NSTRUCTION	S. NOTE	<u>-s:</u>]			YOY YOY
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2.	CONTRACTO FROM NURS	OR MU SERY S	JST MAII SUPPLY	NTAIN L ING PLA	ANDS NTS I	CAPING UNT	'IL FI OF A	NAL ACCER	PTANCE AND	SUP	PLY ONE	(1) YEAR	WARR	NTY				
3.	DEMARCATI	ON BO	DX SHAL	L BE PL	ACEL	AS CLOSE	AS PO	S. IT SHALL	D WET WELL BE PLACED	SO A	HALL BE	PLACED	AT LEA	ST 3' TH				= 10'
4.	SEE GROUN	IDING	PLAN F	OR ELE	CTRIC	CAL SERVICE	GRC	UNDING F	EQUIREMEN	ITS (S	EE JEA.C	OM).	WELL.					-
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Krefs Attached

VATER E-SEE ER & ON		SITE SPECIFIC	NO. BY DATE REVISIONS 4. 3. 1.
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TE DRIVEWAY KEQUIRED B, ITURES & MINIMUM. SWITCH MOUNTED I STAND I STAND I (NEC			JEA STANDARD CLASS THREE PUMP STATION FOR PEAK FLOWS BETWEEN 1001-2000 GPM PLAN AND SECTION
	10 0 5 10 SCALE IN FEET		NO. SHEETS PROJ. NO. SHEET NO. DATE: DRAWING NO. SCALE: 1" = 10'



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	SENCY MAIN				_							PIPE HOLE				
RM	AL SERICE MAIN				_					PIPE S	SIZE		DIA.			
3 #1	TO PUMP NO 1				_						,	(N)				
3 #2	TO PUMP NO 2										4"		,			
										6*		1	12"			
ARTER (SIZE & TYPE)					-					FREE STANDING PUM			PUMP O			
FCT	RIC SERICE (SIZE & TYPE)				_					8"		1	15"			
										10'		1	17*			
PUN	IP STATION INFORMATION N	OTES:								12		2	20"			
1.	SEE JEA STANDARDS VOL MANUFACTURES	UME 3 (WAT	ER AND WA	STEWATER	APPROVED	MATERIALS	S MANUAL) F	OR APPRO	VED	14" & LA	RGER	_	-			
2.	"SV" = STORAGE VOLUME MINIMUM STORAGE DEPTH	PER DESIGI I SHALL BE	N ENGINEEF 24".	R AND SHALI	BE DESIG	NED FOR 12	MINUTE CY	CLE TIME,		THE		IED MC	TOR CO			
3.	IF PUMP MANUFACTURER ADDITION OF FLANGED FIL	REQUIRES . LERS OR S	A GREATER POOL PIECE	SEPARATIC	N, THAT SE	PARATION S PARATION N	SHALL BE U	SED WITH T PROVED BY	HE JEA	PACKAGE,SEE JEA.COM FO						
4.	PRIOR TO CONSTRUCTION AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO JEA. 4. ALL PUMP MOTORS SHALL BE 3 PHASE.											240/120 VOL MOTOR STA				
5.	 AMPERE INTERRUPTING CAPACITY (AIC): CONTACT THE ELECTRICAL UTILITY COMPANY FOR THIS DATA IF AVAILABLE. 											FIXED SPEED P 480 VOLT, 3 STARTS PE				
6.	6. A MANUAL TRANSFER SWITCH SHALL BE PROVIDED.											1P-3P VFD PANE 480/277 VO				
7.	A PHASE MONITOR SHALL PROVIDED POWER BY JEA	BE INSTALL REFER TO	ED ON THE	SINGLE LINE	POWER SOI	JRCE FOR A AGRAM FOR	LL PUMP ST DETAILS.	TATIONS NO	т	3P VED PANEL:						
			480/277 VOL STARTING, 1													
												MANUAL TRANSFE				
										JEA	APPROVE	D				
										JEA	APPROVE	D				
CE	NEDAL NOTES:															

- ALL WORK SHALL COMPLY WITH SPECIFICATIONS, SECTION 433, "SUBMERSIBLE SEWAGE PUMPING STATIONS" IN JEA WATER AND SEWER STANDARDS MANUAL.
- PENETRATION SOIL BORING INFORMATION, TAKEN AT WET WELL LOCATION, SHALL BE SUBMITTLED PRIOR TO DESIGN SUBMITTAL. SOIL BORING SHALL BE A MINIMUM OF 15' DEEPER THAN WET WELL BOTTOM OR UNTIL SUITABLE SOIL IS LOCATED UP TO A MAXIMUM OF 25' BELOW WET WELL BOTTOM.
- 3. ALL PIPING WITHIN AND EXTERNAL OF THE WET WELL SHALL BE FLANGED SCHEDULE 40, 316 STAINLESS STEEL. BUTT WELDING OF ANY PIPING (EXCEPT FOR THE EMERGENCY SUCTION PIPE IN THE WET WELL) IS NOT ALLOWED.
- 4. DUCTILE IRON FITTINGS (90s. 45s. TEES ETC.) WITHIN AND EXTERNAL OF THE WET WELL SHALL BE DUCTILE IRON AND FLANGED EPOXY LINED
- ALL NUTS, BOLTS AND ACCESSORIES WITHIN AND EXTERNAL OF THE WET WELL SHALL BE 316 STAINLESS STEEL AND SHALL BE COATED WITH A "NEVER SEIZE" TYPE COATING.
- 6. ALL EXTERIOR JOINTS OF PRECAST CONCRETE AND PRECAST POLYMER WET WELLS SHALL AND MANHOLES BE SEALED WITH A 18" WIDE RUBBERIZED ASPHALT MEMBRANE TAPE. (SEE JEA SPEC).
- 7. THE VOID AREAS BETWEEN TOP SLAB AND FORCE MAIN PIPE SHALL BE SEALED W/EUCOLASTIC BY EUCLID CITEM CO. OR APPROVED EQUAL SEL. ALL OTHER OPENINGS IN CONCEPTE TOP WITH NON-SHRINK GROUT, EXCEPT AS DESCRIBED IN NOTE #6. PROVIDE INSECT SCREEN SECURED TO TOP.
- 8. PROVIDE 6" x 6" OPENING THROUGH THE CONCRETE TOP OF THE WET WELL AND INSERT 8" x 8" x 1 1/2" THICK ALUMINUM GRATE VENT CONSTRUCTED OF 1 1 WIDE x 8 MATERIAL.
- 9. 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, EXTEND 18" ABOVE TOP OF WET WELL
- 10. SITE GRADE IS 6" (MIN) BELOW TOP ELEVATION OF PUMP STATION SLAB.
- 11. 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).
- 12. PRECAST CONCRETE WET WELL SHALL MEET A.S.T.M. C-478 STANDARD, ENTIRE INSIDE SURFACE OF WET WELL & TOP SLAB SHALLSE LINED WITH APPROVED LINER. LINER INSTALLER MUST BE CERTIFIED BY LINER MANUFACTURER. SUBMIT CERTIFICATION WITH SHOP DRAWING SUBMITTAL SEE SPECIFICATIONS. THE EXCAVATE HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
- 13. PRECAST POLYMER CONCRETE WET WELL SHALL MEET JEA POLYMER PRECAST STANDARD. THE EXCAVATED HOLE SHALL BE DRY (DE-WATERED) DURING THE WET WELL INSTALLATION. (SEE WET WELL DIMENSIONS TABLE)
- 14. IF ODOR CONTROL WILL NOT BE INSTALLED UPON COMPLETION THEN CONDUITS AND PIPING SHALL BE STUBBED OUT FOR EACH. SEE STUB OUT DETAIL SHEET
- 15. IF SOLID MANAGEMENT SYSTEM WILL NOT BE INSTALLED UPON COMPLETION THEN VACUUM PIPING FROM ODDER CONTROL SHALL BE STUB OUT AND A VACUUM PIPE SHALL BE INSTALL TO THE THE WET FROM THE ODDER CONTROL
- 16. FLOW METER SHALL BE ULTRASONIC OR MAG METER. ULTRASONIC FLOW METER REQUIRES A FLOW METER PANEL. MAG METER REQUIRES BY PASS PIPING, SEE ULTRASONIC/MAG METER DETAIL ON MISCELLANEOUS DETAILS SHEET.
- 17. SEE REFERENCE FACILITIES STANDARDS FOR GENERATOR ATS BACKELOW, BOLLARDS AND PAVEMENT SPECIFICATIONS (HTTPS://WWW.JEA.COM/ENGINEERING_AND_CONSTRUCTION/JEA_FACILITIES_STANDARDS/
- 18. SEE JEA STANDARD SHEETS (AVAILABLE AT JEA.COM) FOR CONSTRUCTION DETAILS OF SPECIFIC COMPONENTS, INCLUDING ELECTRICAL.
- 19. PUMPS SHALL BE NUMBERED SEQUENTIALLY, LEFT TO RIGHT, WHEN STANDING IN FRONT OF THE WET WELL HATCH FACING THE DISCHARGE PIPING. THE PUMPS SHALL BE INSTALLED SEQUENTIALLY WITH THE LOWEST SERIAL NUMBER BEING PUMP NUMBER ONE

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BASE EXTENDER	BOTTOM SLAB THICKNES (INCHES)	s PE DI N	R HOLE A. (SEE OTES)	CONT ELEVA	ROL TION	PUMP SUCTION CLEARANCE (INCHES)	SI FLC ELEV (DE NOT	TE DOD ATION SIGN E 10)	INFL S	-UENT NZE	HA S (SEE	TCH IZE TABLE				<u>-</u>	SIONS		
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10FT	_	DEPTH	11-15FT			DEPTH 1	16-20FT			DE	PTH 2	21-30F1			C	S			
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DATA (WIT	HIN WET	WELL)			CON	CRETE	WET	WEL	L DIM	ENSI	ONS					Ц		
PUMP EPARATION	MIN PUMPO SIZE	UΤ	HATCH (MIN	SIZE .)		WET WELL	-	W THIC	'ALL KNE	ss	T T	OP S	LAB IESS				Ś	4 ei	
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36"	2E3 GREA					POL	YMER	WET V	VELI	L DIME	NSI	ONS					EB		IHAIIO
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L:: ASE, FULL VO DUR	OLTAGE MC	TOR S	TARTING	, 15		ENGINE H.P.													:X3
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00 AMP						MODEL										-		¥	Pmu Mu
 TRIPLEX PUMP STATION SHALL BE USED FOR PUMP FLOW GREATER THAN 1000 G.P.M. BUILDING REQUIRED FOR CLASS 3 IF PUMPS ARE 76-200HP OR FLA >= 400 A OR > 3 PUMPS. WET WELL SIZE: TO AND LARGER PUMP DISCHARGE 10-01 D. NIN. 27 DEEP MAX. TO AND LARGER PUMP DISCHARGE 12-01 D. NIN. 27 DEEP MAX. TO AND LARGER PUMP DISCHARGE 12-01 D. NIN. 27 DEEP MAX. MINIMUM FLOW RATE: 500 GPM EACH PUMP MINIMUM FLOW RATE: 500 GPM EACH PUMP MINIMUM LECTRIC SERVICE SIZE: 900'C MINIMUM JUNCTION MANHOLE SIZE: 5-01 D. LOCATE ON SAME SIDE OF DRIVEWAY AS PUMP-OUT CONNECTION. IT IS THE ENGINEER'S RESPONSIBILITY TO DESIGN THE SITE TO MEET FUNCTIONALITY AND SITE SPECIFIC CONTINNS. HOWER, THE ENGINEER SHALL MAKE VEVER VEFFORT TO COMFORM TO THE STANDARD DRAWING SHOWN HERE. IT IS THE ENGINEER'S RESPONSIBILITY TO DESIGN THE SITE TO AMET FUNCTIONALITY AND SITE SPECIFIC CONTINNS. HOWER, THE ENGINEER SHALL MAKE VEVER VEFFORT TO COMFORM TO THE STANDARD DRAWING SHOWN HERE. ID ENGINEER'S RESPONSIBILITY TO DESIGN THE SITE TO COMFORM TO THE STANDARD DRAWING SHOWN HERE. ID ENGINEER'S RALL MAKE VEVER VEFFORT TO COMFORM TO THE STANDARD DRAWING SHOWN HERE. IT NO DETERMINE TOWER OR POLE FOR SCADA (SEE ALSO SPEC SECTION 433): TO DETERMINE TO AND SITE DE ONE USING THE SAME VERY OF FORD SOLE ON THE SCADA FANCE. AND MIST BE A MINIMUM JOL CAN DE LEVEL IS IT THE ENGINE MIST REAL MANNE MEMORY AND REAL MARK FUEL VEFFOR THAN OR USING THE SCALE AND MIST BE A MINIMUM JOL SHOULD CAN USING THE SAME THE CONDER SIST LEVEL SIZES THAN OR EQUAL TO 20 FEET THE HAVE STATION TOPE LEVATION SHALL BE SET AT A MINIMUM OF 1' ABOVE THE 'R' ELEVATION. THE 'R' ELEVATION OF JUNCTION MAN HOLE SHALL									JEA STANDARD	JEA STANDARD CLASS FOUR PUMP STATION FOR PEAK FLOWS GREATER THAN 2000 GPM PLAN AND SECTION									
CC 1. 2. 3. 4. 5. 6. 7.	DISTRUCTI SLOPE S DRAINAG CONTRA FROM NU ACCESS SEE GRC CONTRA TRANSFO WET WEI	DN NO TE COL E FACI CTOR N RISERY ATION I ST WEL TO THE UNDIN CTOR S DRMER	TES: NCRETE LITY. THE MUST MAI Y SUPPLY BOX SHA L HATCH E WET WE G PLAN F SHALL KE S SHALL SHALL UT	1" PER 8 DRIVE INTAIN L ING PL/ LL BE PL AND AT ELL OR I COR ELE EP COM BE LOC.	Y TO L WAY S ANDS NNTS I LACEL DISCH CTRIC IPANY ATED	DRAIN TOWAIS SLOPE SHALL SCAPING UNTE FROM DATE () AS CLOSE : TS (FROM V ARGE APPA) CAL SERVICE SIGN AND P ON THE SAM ASSEMBLY I	RDS STI BE LES TIL FINA OF ACC AS POSE ENTS. IT RATUS, GROUP HONE N IE SIDE FOR LO	REET OF SS THEN EPTANC SIBLE TO SIBLE T	R OTH N 6% I PTAN CE. O WE NOR S REQUI	HER ADJ UNLESS ICE AND LACED : SHALL F/ IREMEN FENCE L TY AS M	ACEN SPEC SUPF SO AS ACE A TS (SE INTIL ETER L.	IT CITY IFICAL VLY ON HALL B S NOT 1 WAY FI EE JEA STATIC CAN A	OR JEA C LY APPRO E (1) YEAF E PLACED O INTERF ROM WET COM). IN ACCEP ND ELECT	DWNED B VED B A AT LE/ ERE W WELL. TED. RICAL I	Y JEA. ANTY AST 3' ITH PANELS	ò.	D. SHEETS PROJ. NO.	HEET NO. DATE:	AWING NO. SCALE: 1" = 10'



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DRIVEWAY QUIRED JRES & INIMUM. WITCH JUNTED JIAND (NEC			JEA STANDARD CI ASS FOLIR PLIMP STATION	FOR PEAK FLOWS GREATER THAN 2000 GPM PLAN AND SECTION
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Xrefs Attached=