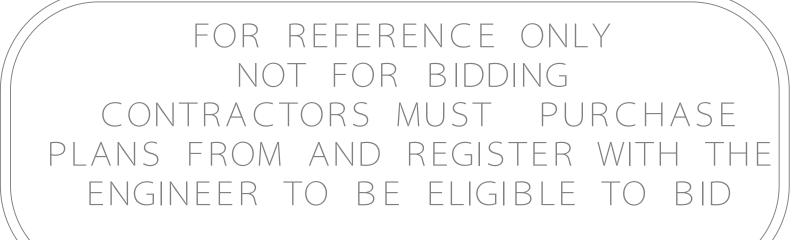


# NEW LIGHTING AT CREOLA MUNICIPAL PARK 9618 OLD HWY 43 CREOLA, AL COUNTY PROJECT #CCP-018-22

### **INDEX OF SHEETS**

SHEET TITLE
COVER SHEET
NOTES AND LEGEND
ELECTRICAL PLAN LAYOUT
ELECTRICAL DETAILS

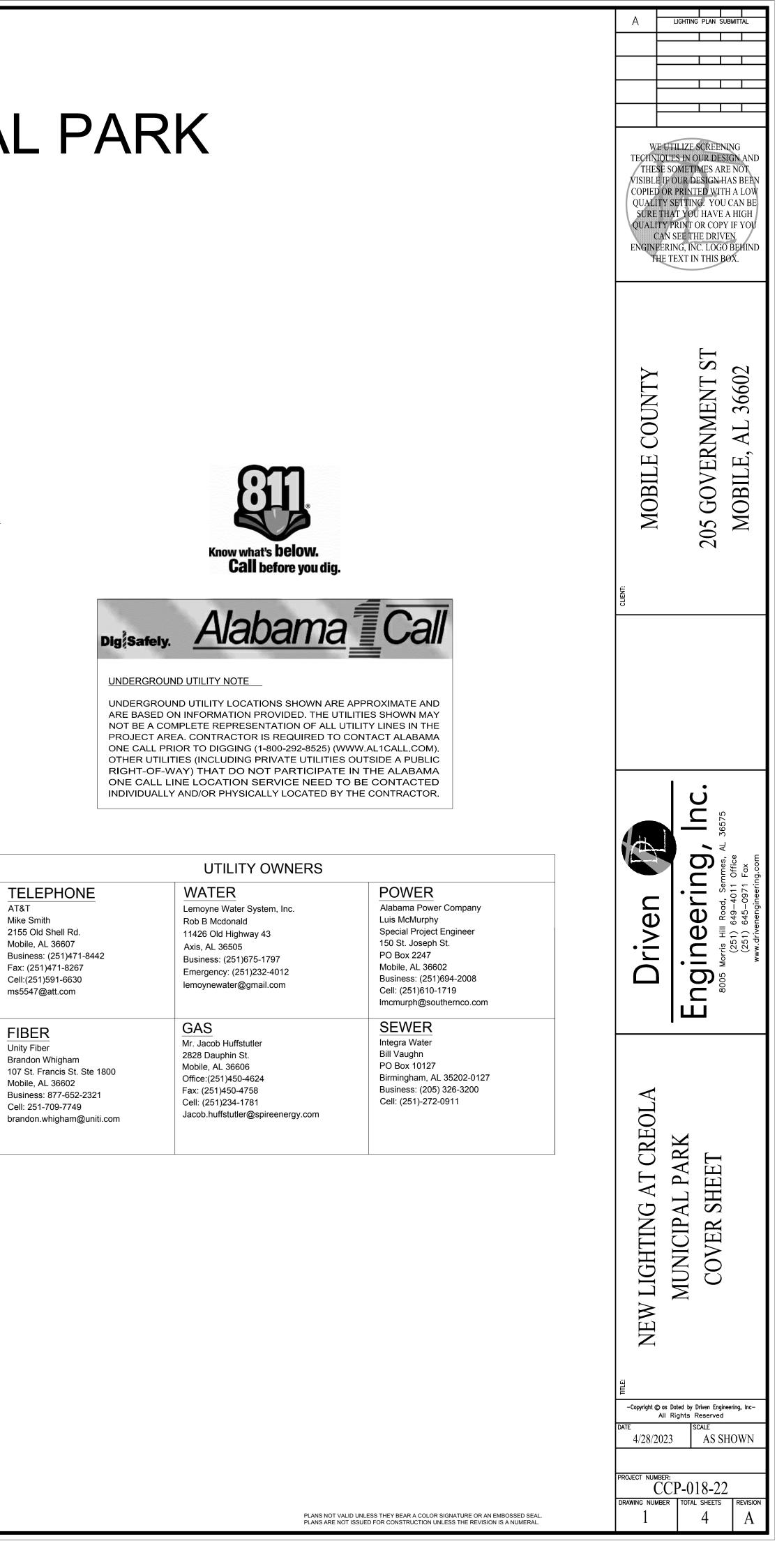






VICINITY MAP NTS





	ELECTRICAL SYMBOL LEGEND	GF	NERAL
SYMBOL	DESCRIPTION	<u> </u>	ALL WOR
A - XX	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROWS INDICATE CIRCUIT HOMERUNS. HASH MARKS INDICATE NUMBER OF CONDUCTORS. NEUTRAL AND/OR SWITCH LEG CONDUCTORS. "A" DENOTES PANEL BOARDS SERVING CIRCUITS, XX CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.	2.	ELECTRI (C.O.). CONTRA
	BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING. ARROWS INDICATE CIRCUIT HOMERUNS. "A" DENOTES PANEL BOARDS SERVING CIRCUITS, XX CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM	3. 4.	CONTRAC AND CON CONTRAC ONE YEA
	CONDUCTORS 2#12, 1#12 GND, 1 CAT 5 CABLE, 3/4" C. BRANCH CIRCUIT CONDUIT RUN BELOW GRADE OR CONCEALED IN	5.	THE CON LATEST F
	SLAB. ARROWS INDICATE CIRCUIT HOMERUNS. HASH MARKS INDICATE NUMBER OF CONDUCTORS, REVERSE HASH MARK INDICATES GROUND CONDUCTOR, ABSENCE OF HASH MARKS INDICATES TWO	6.	THE CON
A - XX	CONDUCTORS AND GROUND. GROUND CONDUCTORS SHALL BE RUN IN EACH CONDUIT WITH PHASE, NEUTRAL AND/OR SWITCH LEG CONDUCTORS. "A" DENOTES PANELBOARD SERVING CIRCUITS, "1,3,5"	7.	ALL WIRI SIZE FOF
	INDICATES CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.	8. 9.	
	DISCONNECT (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF	9. 10.	CONCEA
<u> </u>	SWITCH 6'-6" A.F.F. MAX. ELECTRIC MOTOR- SEE RESPECTIVE EQUIPMENT SCHEDULE	11.	ELECTRI
\$	20A, 120/277 VAC SINGLE POLE TOGGLE SWITCH - FLUSH WALL	12.	CONTRA
	MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.	13.	ALL EQU
<sup>3</sup> \$	20A, 120/277 VAC THREE WAY TOGGLE SWITCH - FLUSH WALL MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.	14. 15.	NO CHAN CONTRA
<sup>4</sup> \$	20A, 120/277 VAC FOUR WAY TOGGLE SWITCH - FLUSH WALL MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE. LOWER CASE LETTER INDICATES FIXTURE AND/OR LAMPS CONTROLLED.	16.	ALL ELEC PROJECT SHALL BE
A - XX	20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER	17. 18.	ANY PAT
€YY	230 VAC 2P., 3W., GROUNDING TYPE RECEPTACLE. FLUSH	19.	ALL 120V
A-XX	WALL MOUNTED MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER. "YY" INDICATES AMPERAGE RATING.	20.	REFEREN EQUIPME
æ A-XX	TWO 20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLES. FLUSH WALL MOUNTED: ONE AT 18" A.F.F. AND THE OTHER AT 48" A.F.F. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER.	21.	THE ACC THE CON THAT AN RESPON
A - XX	20A, 125 VAC 2P., 3W., GROUND FAULT INTERRUPTING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER	22.	THE CON LOCATEE LOCATIO
= <b>⊕</b> A - XX	(2) 20A, 125 VAC 2P., 3W., GROUNDING TYPE, DUPLEX RECEPTACLES. FLUSH WALL MOUNTED IN 2-GANG BOX 18" A.F.F. UNLESS NOTED OTHERWISE. "A - XX" INDICATES PANEL NAME AND CIRCUIT NUMBER	23.	all Pole Ordinan And 150
Ū	JUNCTION BOX. MINIMUM SIZE 4" SQUARE X 2-1/8" DEEP WITH COVER PLATE. FLUSH WALL MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE.	24.	CONTRA TROUBLE ANYONE
SYMBOLS NOTE	ES:		
<ol> <li>MOUNTING DEVICE UI</li> <li>ALL SINGL BOX WITH</li> <li>ALL MULT</li> <li>ALL NORM</li> </ol>	ETS ARE TO BE FLUSH MOUNTED. G HEIGHTS ARE FROM THE CENTER LINE OF THE NLESS OTHERWISE NOTED. .E GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. EXTENSION RING. I-GANG DEVICES SHALL USE A COMMON COVER PLATE. MAL POWER DEVICES (I.E. SWITCHES, RECEPTACLES, NE OUTLETS, ETC.) AND THEIR COVER PLATES SHALL		

TELEPHONE OUTLETS, ETC.) AND THEIR COVER PLATES SHALL

BE WHITE OR BLACK FOR OUTLETS IN DARK GRANITE. 6. A.F.F INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR

POLE	MANUFACTURER	CATALOG NUMBER	MOUNTING TYPE/POLE	LAMPS		
DESIGNATION			HEIGHT(FT)	MTG HEIGHT (FT)	NO.	TYPE
		TLC-LED-1200		60'	2	1170W LED
S1	MUSCO LIGHTING	TLC-LED-900		60'	2	1170W LED
60		TLC-LED-1200		60'	2	1170W LED
S2	MUSCO LIGHTING	TLC-LED-900		60'	2	890W LED
62		TLC-LED-1200		60'	2	1170W LED
S3	MUSCO LIGHTING	TLC-LED-900		60'	2	890W LED
	MUSCO LIGHTING	TLC-LED-1200		60'	2	1170W LED
S4		TLC-LED-900	POLE/60'-0"	60'	3	890W LED
		TLC-LED-900		60'	2	890W LED
S5		TLC-LED-1500	POLE/60'-0"	60'	2	1410W LED
35	MUSCO LIGHTING	TLC-LED-1200	60'	2	1170W LED	
S6		TLC-LED-1500	POLE/60'-0"	60'	4	1410W LED
30	MUSCO LIGHTING	TLC-LED-900	FOLE/00-0	60'	4	890W LED
S7	MUSCO LIGHTING	TLC-LED-1500	POLE/60'-0"	60'	2	1410W LED
37	MOSCO LIGHTING	TLC-LED-1200	FOLE/00-0	60'	2	1170W LED
		TLC-LED-1500		60'	1	1410W LED
S8	MUSCO LIGHTING	TLC-LED-1200	POLE/60'-0"	60'	1	1170W LED
		TLC-LED-900		60'	1	890W LED
		TLC-LED-1500		60'	1	1410W LED
S9	MUSCO LIGHTING	TLC-LED-1200	POLE/60'-0"	60'	1	1170W LED
		TLC-LED-900		60'	1	890W LED
S10	MUSCO LIGHTING	TLC-LED-900	POLE/60'-0"	60'	3	890W LED

NOTE: ALL FIXTURES AND ACCESSORIES SHALL BE PROVIDE BY THE CLIENT.

### NOTES:

ORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, THE OCCUPATIONAL SAFETY AND HEALTH ACT, ALL RICAL CODES LOCALLY BEING ENFORCED BY LOCAL AUTHORITY HAVING JURISDICTION (AHJ) IN THE PROJECT AREA AND THE CONTRACTING OFFICER

ACTOR TO OBTAIN AND PAY FOR ALL PERMITS, INSPECTION AND CONNECTION FEES.

ACTOR TO PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SUPERVISION FOR AND INCIDENTAL TO THE COMPLETION OF A FULLY FUNCTIONAL, SAFE OMPLETE ELECTRICAL AND LIGHTING SYSTEMS.

ACTOR TO TEST SYSTEM THOROUGHLY IN THE PRESENCE OF OWNER AND RENDER IT FREE FROM DEFECTS. CONTRACTOR TO PROVIDE OWNER WITH A EAR WARRANTY AFTER ACCEPTANCE.

ONTRACTOR SHALL PROPERLY SEAL ALL PENETRATIONS. ALL PENETRATIONS THROUGH FIRE BARRIERS SHALL BE SEAL IN ACCORDANCE WITH THE REVISIONS OF NEC 300.21 AND IBC 712.4.

ONTRACTOR SHALL PROVIDE TYPE WRITTEN PANEL DIRECTORIES WITH BLACK 1/2" LETTERS "CK # & VOLTAGE" FOR A POWER CONTROL PANEL. RING SHALL BE COPPER AND IN A CONTINUOUS CONDUIT SYSTEM (MT, RIGID PVC, etc.) AS ALLOWED BY CODE AND APPROVED BY AHJ. MINIMUM WIRE OR POWER SHALL NO. 12 AWG.

ECTRICAL PANELS SHALL HAVE COPPER BUS BARS.

RICAL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY CONFLICTS AND/OR CREATING A SAFETY HAZARD. EAL ALL CONDUITS AND BOXES UNLESS OTHERWISE NOTED.

RICAL CONTRACTOR TO COORDINATE WITH THE OWNER FOR ANY ELECTRICAL REQUIREMENTS FOR SPECIAL EQUIPMENT.

ACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL CIRCUITS ASSOCIATED WITH THE PROJECT WORK AREA.

UIPMENT AND MATERIALS SHALL MEET OR EXCEED THE SCHEDULED AND/OR REQUIRED ITEMS. SUBMIT FOR PRIOR APPROVAL FOR ANY DEVIATIONS. ANGES SHALL BE MADE IN MATERIALS OR INSTALLATION WITHOUT ENGINEER AND OWNER'S APPROVAL.

ACTOR SHALL VERIFY CLEARANCE SPACE AVAILABLE, OFFSETS REQUIRED, STRUCTURAL OPENINGS, AND WORK BY OTHER TRADES.

ECTRICAL MATERIAL AND EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE NEW AND FREE OF DEFECTS. ALL WORK PERFORMED FOR THIS CT SHALL BE CARRIED OUT BY SKILLED WORKERS REGULARLY ENGAGED IN THE PERFORMANCE OF SUCH DUTIES. ALL EQUIPMENT AND MATERIALS BE INSTALLED CLEAN AND FREE FROM DENTS, SCARS OR DEFORMITIES.

ATCHING OF WALLS SHALL MATCH NEW ARCHITECTURAL FINISHING REQUIREMENTS.

RICAL CONTRACTOR SHALL PROVIDE A GROUNDING SYSTEM PER SECTION 250 OF THE NATIONAL ELECTRICAL CODE.

0V BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL (L2) CONDUCTOR.

ENCE TO A PARTICULAR PRODUCT BY MANUFACTURER, TRADE NAME, OR CATALOG NUMBER ESTABLISHES THE QUALITY STANDARDS OF MATERIAL AND MENT REQUIRED FOR THIS INSTALLATION AND IS NOT INTENDED TO EXCLUDE PRODUCTS EQUAL IN QUALITY AND SIMILAR DESIGN.

CURACY OF GRADE, ELEVATION, DIMENSIONS, OR LOCATIONS OF THE EXISTING CONDITION IS NOT GUARANTEED BY THE ENGINEER OR THE OWNER. IF DNTRACTOR PERFORMS A CONSTRUCTION ACTIVITY WHEN THE CONTRACTOR KNOWS, OR SHOULD KNOWING EXERCISE IN REASONABLE DILIGENCE AN ACTIVITY INVOLVES AN ERROR IN CONSISTENCY OR OMISSION IN CONTRACT DOCUMENTS, THE CONTRACTOR SHALL ASSUME APPROPRIATE DISTRICT FOR SUCH PERFORMANCE AND BEAR AND APPROPRIATE AMOUNT OF THE COSTS ATTRIBUTABLE FOR CORRECTIONS.

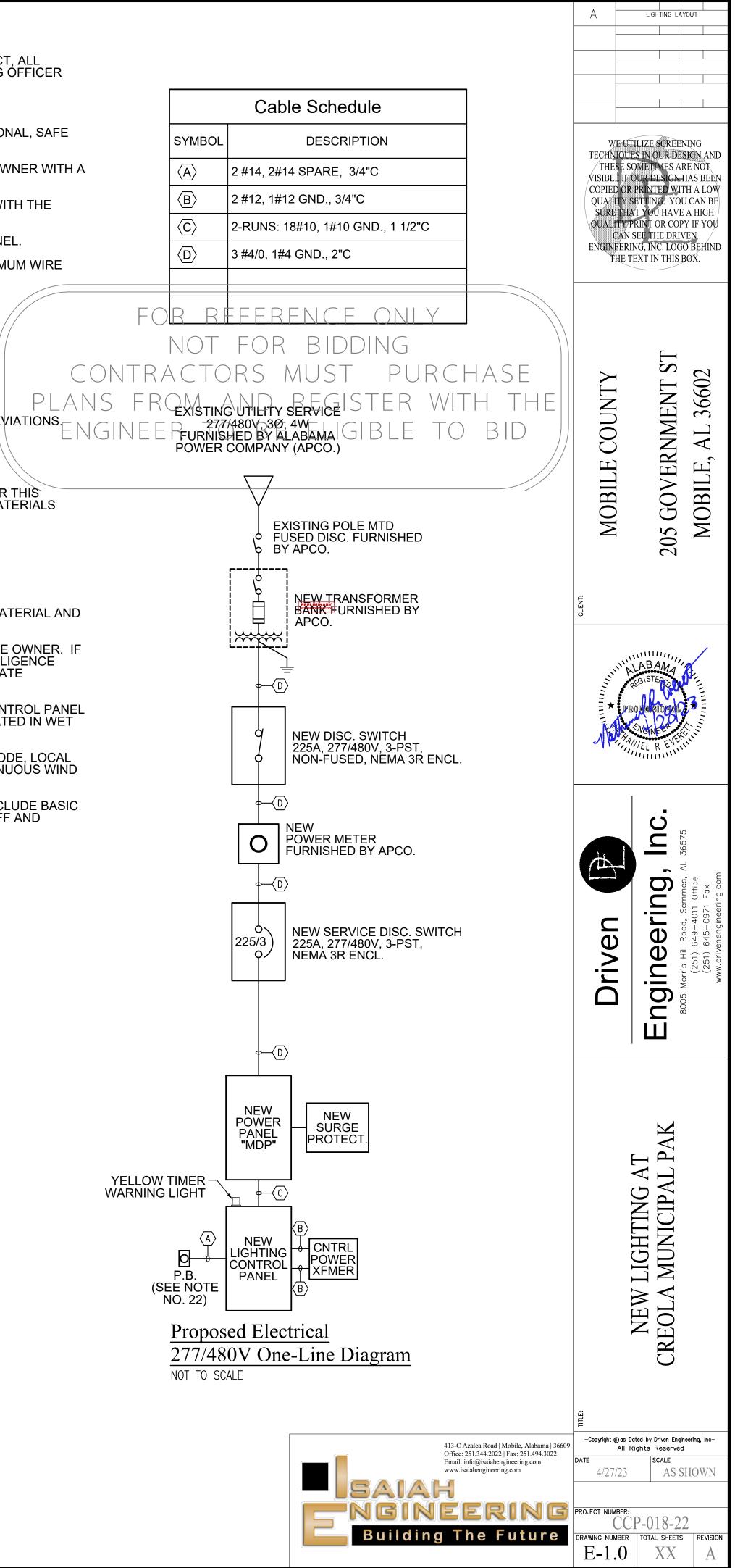
ONTRACTOR SHALL PROVIDE THE LABOR AND MATERIALS TO INSTALL A NEW PUSHBUTTON SWITCH ON THE SIDE OF THE NEW LIGHTING CONTROL PANEL ED ON THE NEW EQUIPMENT RACK LOCATED AS SHOWN ON THE PLANS. THE SWITCH SHALL BE WEATHER PROOF AND RATED TO BE OPERATED IN WET ION (SEE DRAWING NO. E-3).

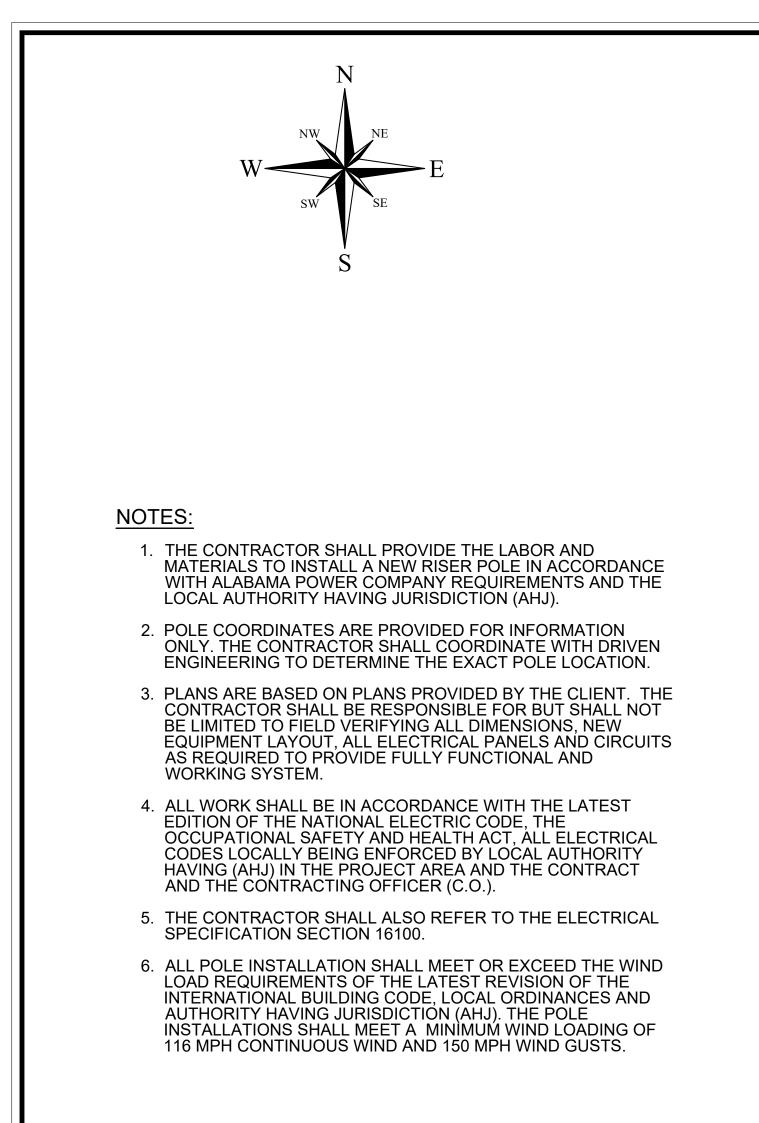
LE INSTALLATION SHALL MEET OR EXCEED THE WIND LOAD REQUIREMENTS OF THE LATEST REVISION OF THE INTERNATIONAL BUILDING CODE, LOCAL NCES AND AUTHORITY HAVING JURISDICTION (AHJ). THE POLE INSTALLATIONS SHALL MEET A MINIMUM WIND LOADING OF 116 MPH CONTINUOUS WIND 0 MPH WIND GUSTS.

ACTOR SHALL PROVIDE A TRAINING ON THE OPERATION AND MAINTENANCE OF THE LIGHTING CONTROL SYSTEM. THE TRAINING SHALL INCLUDE BASIC E SHOOTING TO AVOID NUISANCE SERVICE CALLS. THE TRAINING SHALL BE PROVIDE TO THE CREOLA SOCCER CLUB MAINTENANCE STAFF AND IE THE CLIENT DESIGNATE. THE TRAINING SHALL BE VIDEO TAPED AND THREE COPIES OF THE VIDEO BE PROVIDED TO THE CLIENT.

#### **ABBREVIATIONS**

A A/C A.F.F. AHU A.I.C. AI AUTO AWG B C.B. C.B. C.B. C.C. C.C. C.C. D.C. DISN E.O. C.C. C.C. D.C. DISN E.O. C.C. C.T. D.C. DISN E.O. C.C. C.T. D.C. D.C. D.C. D.C. D.C. D.C	AMPS AIR CONDITIONING ABOVE FINISHED FLOOR AIR HANDLING UNIT AMPS INTERRUPTING CAPACITY (SHORT CIRCUIT) ALUMINUM AMMETER AUTOMATIC AUXILIARY AMERICAN WIRE GAUGE BARE CONDUIT CIRCUIT BREAKER CHILLED CIRCUIT BREAKER CHILLED CONNECTED CONTROL POWER TRANSFORMER CONTROL POWER TRANSFORMER CONTROL POWER TRANSFORMER CONTROL RELAY CONDUIT ONLY CURRENT TRANSFORMER DEEP DIRECT CURRENT DISCONNECT DOWN EACH ELECTRIC EMERGENCY EXIST. RELOCATED EQUIPMENT (GROUND) FIRE ALARM FUSE(S) FUTURE GROUND GROUND FAULT INTERRUPTING HIGH, (MOUNTING HEIGHT TO CENTER LINE) HAND HOLE HAND-OFF AUTOMATIC SWITCH HEAT ISOLATED INSTRUMENT HAND HOLE ISOLATED INSTRUMENT HAND HOLE ISOLATED INSTALL OR INSTRUMENT JUNCTION BOX KNOCK OUT KLOWATTS LIGHTING LONG	MAG MAN M.B. MCM MCS MECH. MT. N. NEUT N, NEUT N, NEUT N, O. N.O. OHE O.L.'s OUT PNL P.T. #(PREFIX) Ø REC. FIX WP REC. SOL SQ. STR. SOL SQ. STR. SOL SQ. STR. SV. T.B.B. TEL TEMP. T.O.E. TYP. UGS W W.H. WP WW VAC VDCTP VM	OUTPUT POLE(S) PANEL OR PANELBOARD POTENTIAL TRANSFORMER POUNDS WEIGHT WIRE GAUGE (AWG) PHASE RECEPTACLE RECEPTACLE SHORT CIRCUIT (DUTY)
--	---	---	---



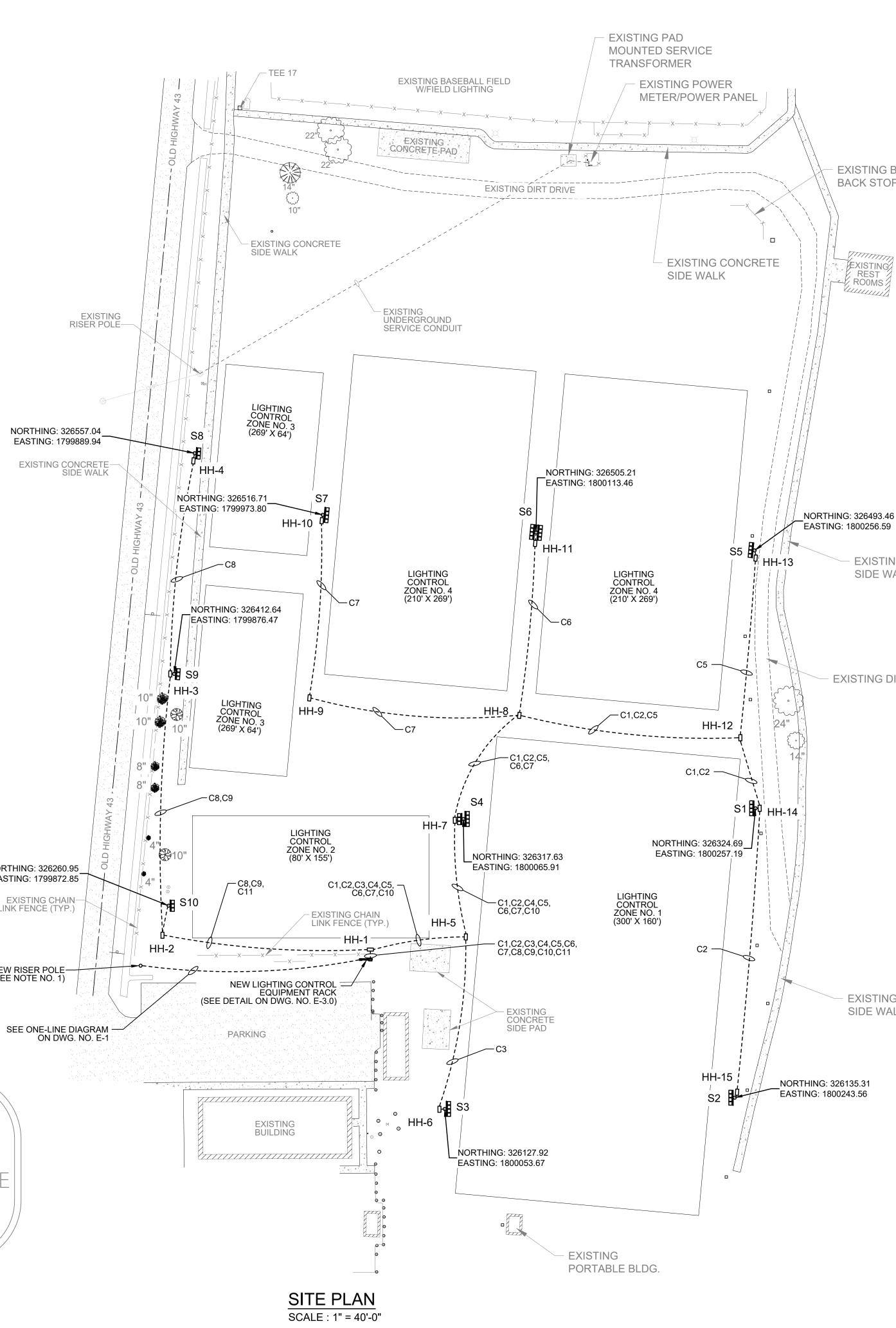


CABLE AND CONDUIT SCHEDULE				
SYMBOL	DESCRIPTION	DESIGNATION		
C1	3 #6, 1 #8 GND.,3/4"C	C1		
C2	3 #8, 1 #10 GND.,3/4"C	C2		
C3	3 #10, 1 #10 GND.,3/4"C	C3		
C4	3 #10, 1 #10 GND.,3/4"C	C4		
C5	3 #6, 1 #8 GND.,3/4"C	C5		
C6	3 #6, 1 #8 GND.,3/4"C	C6		
C7	3 #6, 1 #8 GND.,3/4"C	C7		
C8	3 #10, 1 #10 GND.,3/4"C	C8		
C9	3 #6, 1 #8 GND.,3/4"C	C9		
C10	3 #10, 1 #10 GND.,3/4"C	C10		
C11	3 #10, 1 #10 GND.,3/4"C	C11		

NORTHING: 326260.95 EASTING: 1799872.85 EXISTING CHAIN-LINK FENCE (TYP.)



FOR REFERENCE ONLY NOT FOR BIDDING CONTRACTORS MUST PURCHASE PLANS FROM AND REGISTER WITH THE ENGINEER TO BE ELIGIBLE TO BID



STING BASEBALL	
CK STOP	

, , , , , , , , , , , , , , , , , , , ,	77
EXISTIN	ź
REST	Δ
ROOMS	2
	2

SYMBOL	POLE DESIGNATION
	S1,S2,S3,S5,S7
	S8,S9,S10
	S4
	S6

POLE DESIGNATION	TE VIS CO
S1,S2,S3,S5,S7	QU S QU EN
S8,S9,S10	
S4	
S6	CLIENT:

**EXISTING CONCRETE** SIDE WALK

- EXISTING DIRT DRIVE

EXISTING CONCRETE SIDE WALK

		Drive	Fnainee
		TTLE:	NEW LIGHTING AT
SAIAF NGINI	413-C Azalea Road   Mobile, Alabama   36609 Office: 251.344.2022   Fax: 251.494.3022 Email: info@isaiahengineering.com www.isaiahengineering.com	−Copyright ©as l	Rights Re

## LIGHTING LAYOUT WE UTILIZE SCREENING CHNIQUES IN OUR DESIGN AND THESE SOMETIMES ARE NOT ISIBLE IF OUR DESIGN HAS BEEN OPIED OR PRINTED WITH A LOW ITY SETTING. YOU CAN BE TRE THAT YOU HAVE A HIGH ALITY/PRINT OR COPY IF YOU CAN SEE THE DRIVEN NGINEERING, INC. LOGO BEHIND THE TEXT IN THIS BOX. ST COUNTY GOVERNMENT 3660 MOBILE MOBILE, 205 C ering **S CREOLA MUNICIPAL PAK** Driven Engineering, Inc Reserved SCALE AS SHOWN PROJECT NUMBER: CCP-018-22 Building The Future DRAWING NUMBER TOTAL SHEETS REVISION

E-2.0 XX

