

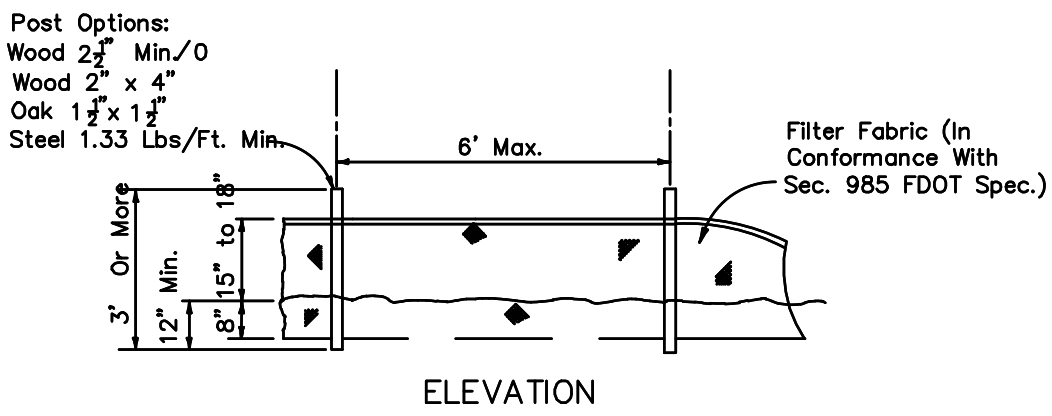
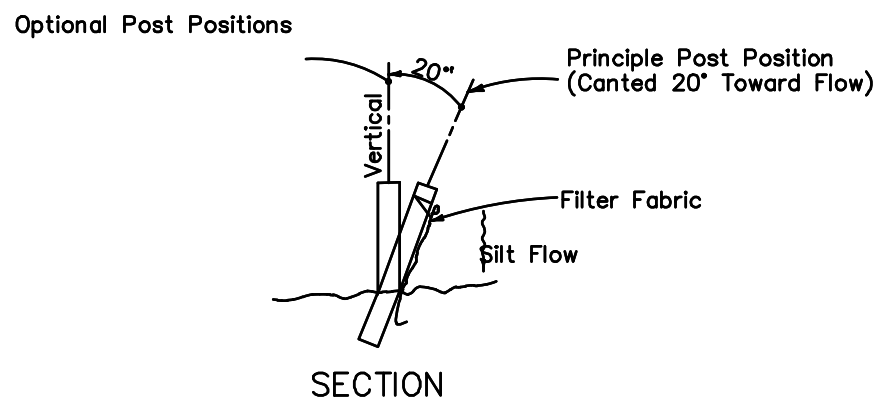
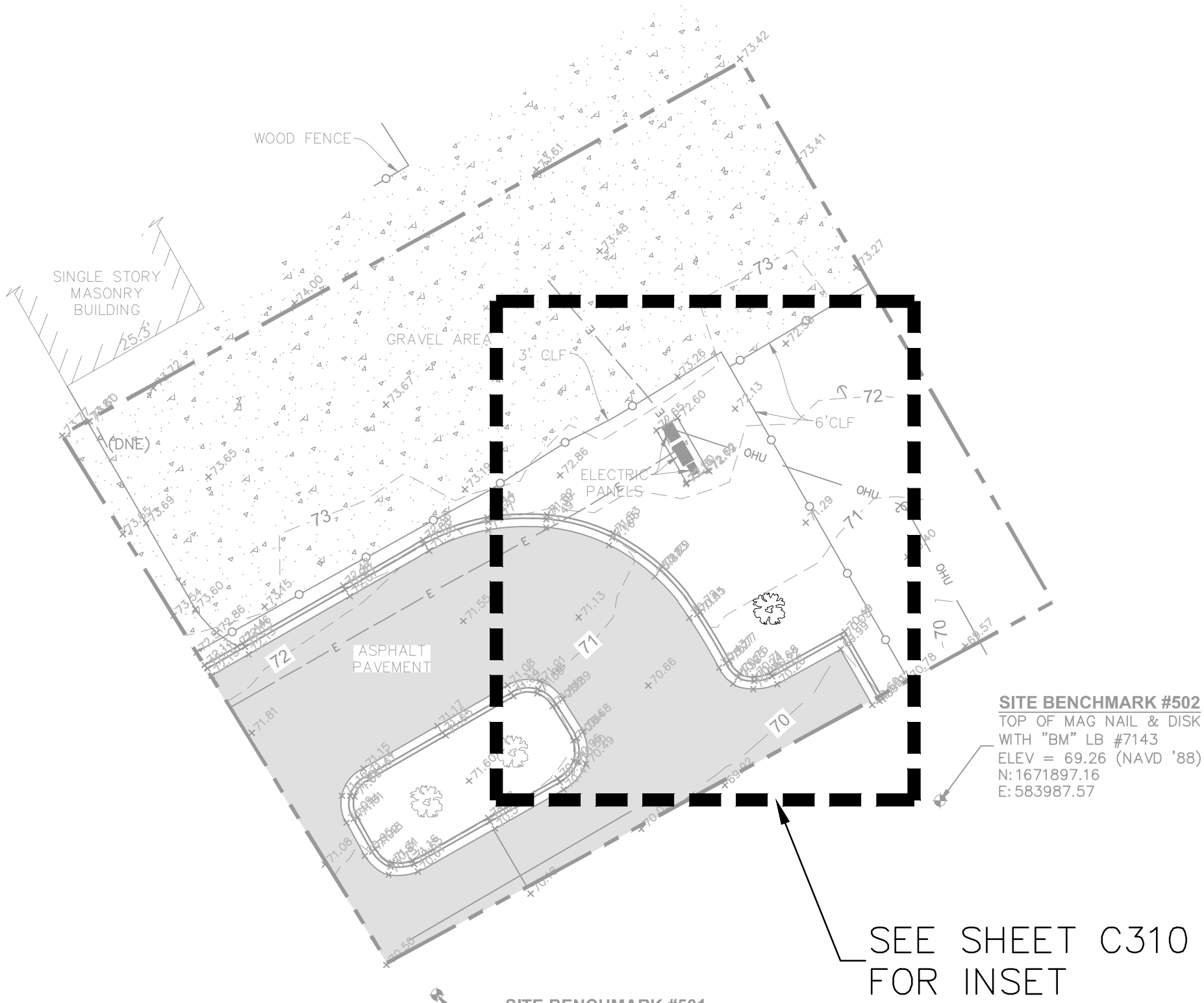
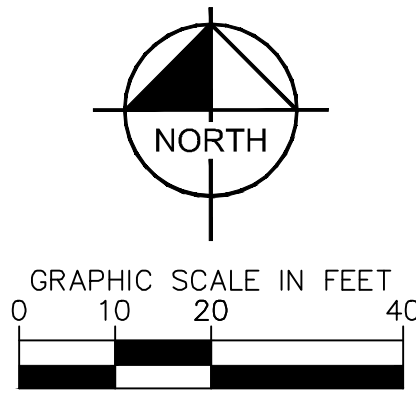
NOTES

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C200 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL THIS SHEET.
5. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
6. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
7. ELEVATIONS SHOWN REFERENCE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).
8. ANY EXISTING WELLS (I.E. ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
9. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
10. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
11. CONTRACTOR TO MAINTAIN EXISTING OFF-SITE AND ONSITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION.
12. ALL EXISTING ONSITE EASEMENTS (I.E., UTILITY, ACCESS, ETC.) TO BE VACATED PRIOR TO CONSTRUCTION.

LEGEND

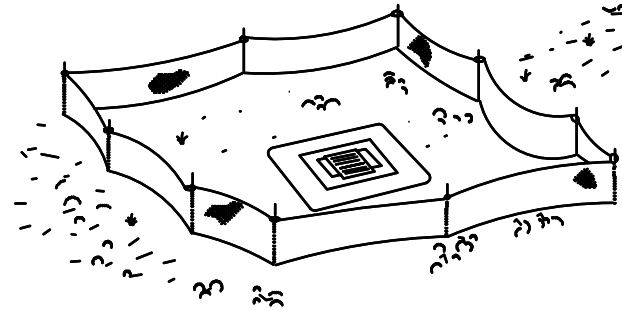
- | | | | |
|--|------------------------------------|--|-------------------------|
| | SURVEY BOUNDARY | | EXISTING WATER VALVE |
| | EXISTING FENCE | | EXISTING FIRE HYDRANT |
| | EXISTING OVERHEAD ELECTRIC LINE | | EXISTING LIGHT POLE |
| | EXISTING GAS LINE | | EXISTING SITE BENCHMARK |
| | EXISTING UNDERGROUND ELECTRIC LINE | | EXISTING SIGN |
| | EXISTING CONTOUR | | EXISTING POWER POLE |
| | EXISTING SPOT ELEVATION | | |
| | EXISTING CONCRETE | | |
| | EXISTING TREES | | |

NOT FOR CONSTRUCTION



TYPE III SILT FENCE
NTS

CONTRACTOR TO PLACE FILTER FABRIC UNDER GRATE DURING CONSTRUCTION.



Type II Silt Fence Protection Around Ditch Bottom Inlets.
Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS
NTS

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

KimleyHorn

6876 MARWICK LANE
SUITE 350
ORLANDO, FL 32827
PHONE: (407) 602-0423
REGISTRY No. 35106

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REVISIONS

DOCUMENT HISTORY

NO. DATE DESCRIPTION

TRANSPORTATION/MAINTENANCE DELTONA
REPLACE EMERGENCY GENERATOR AND MDP
VCS Project NO. 2648209
2101 Eustace Ave
Deltona, FL 32725

ARCHIVER OF RECORD

DESIGNED BY
BJW

DRAWN BY
NDF

ISSUE DATE
03/19/2026

AE PROJECT NUMBER
145642004

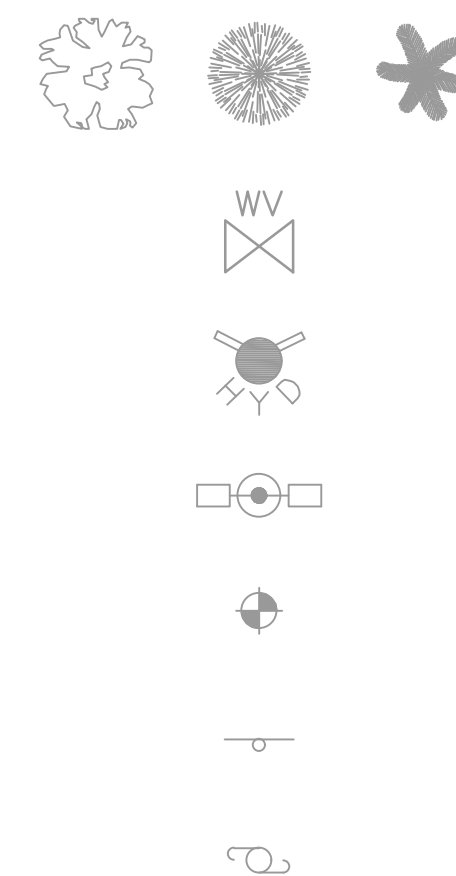
SHEET TITLE

OVERALL EXISTING
CONDITIONS AND
DEMOLITION PLAN

DRAWING NO.

C300

Figure 1: Plan view of the proposed 150 kV transmission line corridor. The diagram shows a top-down view of the corridor with various features labeled. At the top, a 'SURVEY BOUNDARY' is indicated by a thick black line. Below it, an 'EXISTING FENCE' is shown as a line with cross-ticks. Further down, an 'EXISTING OVERHEAD ELECTRIC LINE' is depicted with multiple horizontal lines and insulators. Below that, an 'EXISTING GAS LINE' is shown as a single line. Then, an 'EXISTING UNDERGROUND ELECTRIC LINE' is indicated by a dashed line. A 'TYPE III SILT FENCE (SEE SHEET C300 FOR DETAIL)' is shown as a line with cross-ticks. Below the silt fence, an 'EXISTING CONTOUR' is marked with a dashed line and the number '73'. A 'EXISTING SPOT ELEVATION' is shown as a point with the value '73.05'. An 'INLET PROTECTION' is indicated by a hatched circle. At the bottom, an 'EXISTING CONCRETE' area is shown with a stippled pattern. The corridor is flanked by 'CHU' (Chukotka) on the left and 'E' (Eastern) on the right. The bottom of the diagram shows a 'SURVEY BOUNDARY' and a 'SURVEY BOUNDARY'.



EXISTING TREES

EXISTING WATER VALVE

EXISTING FIRE HYDRANT

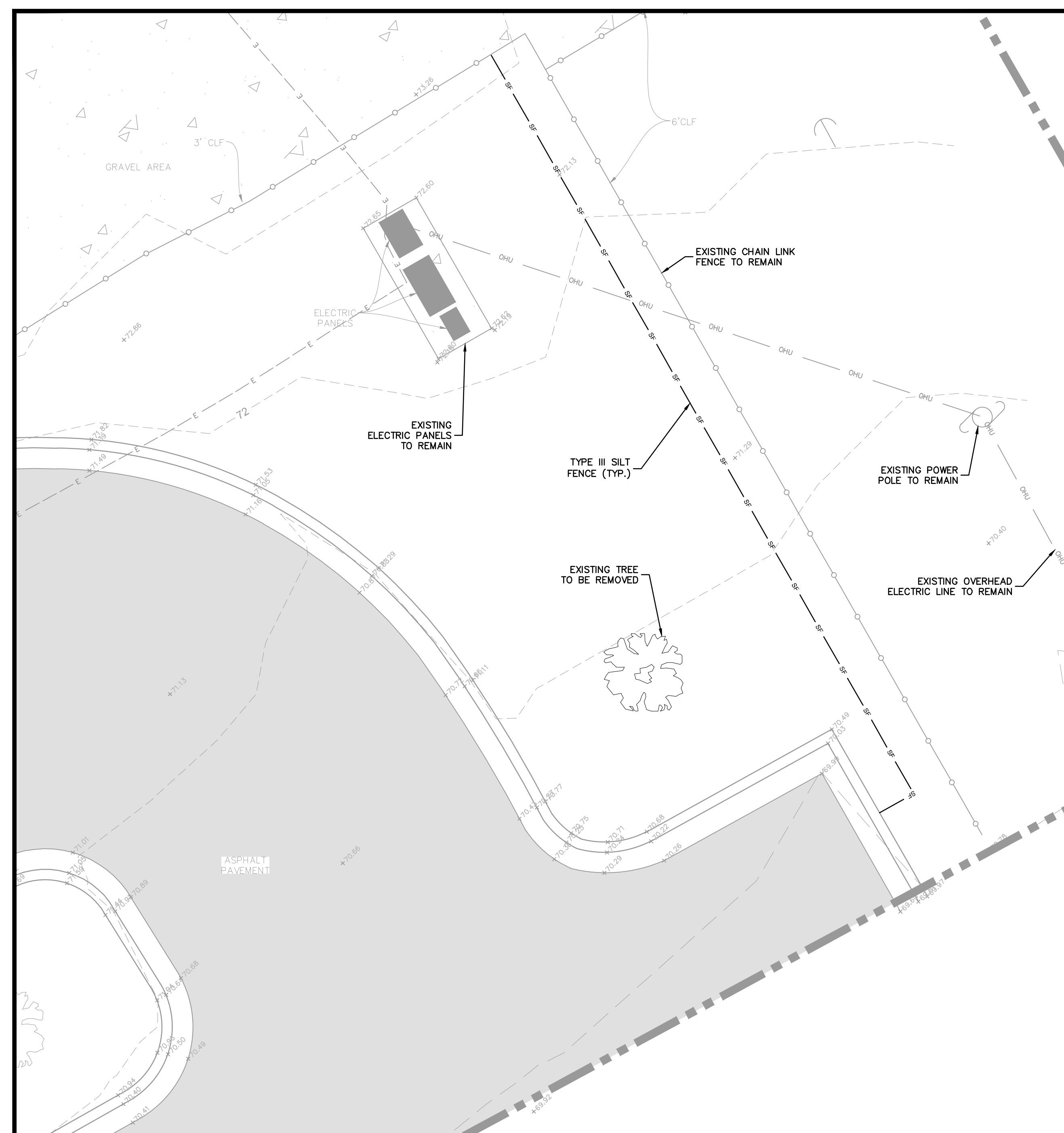
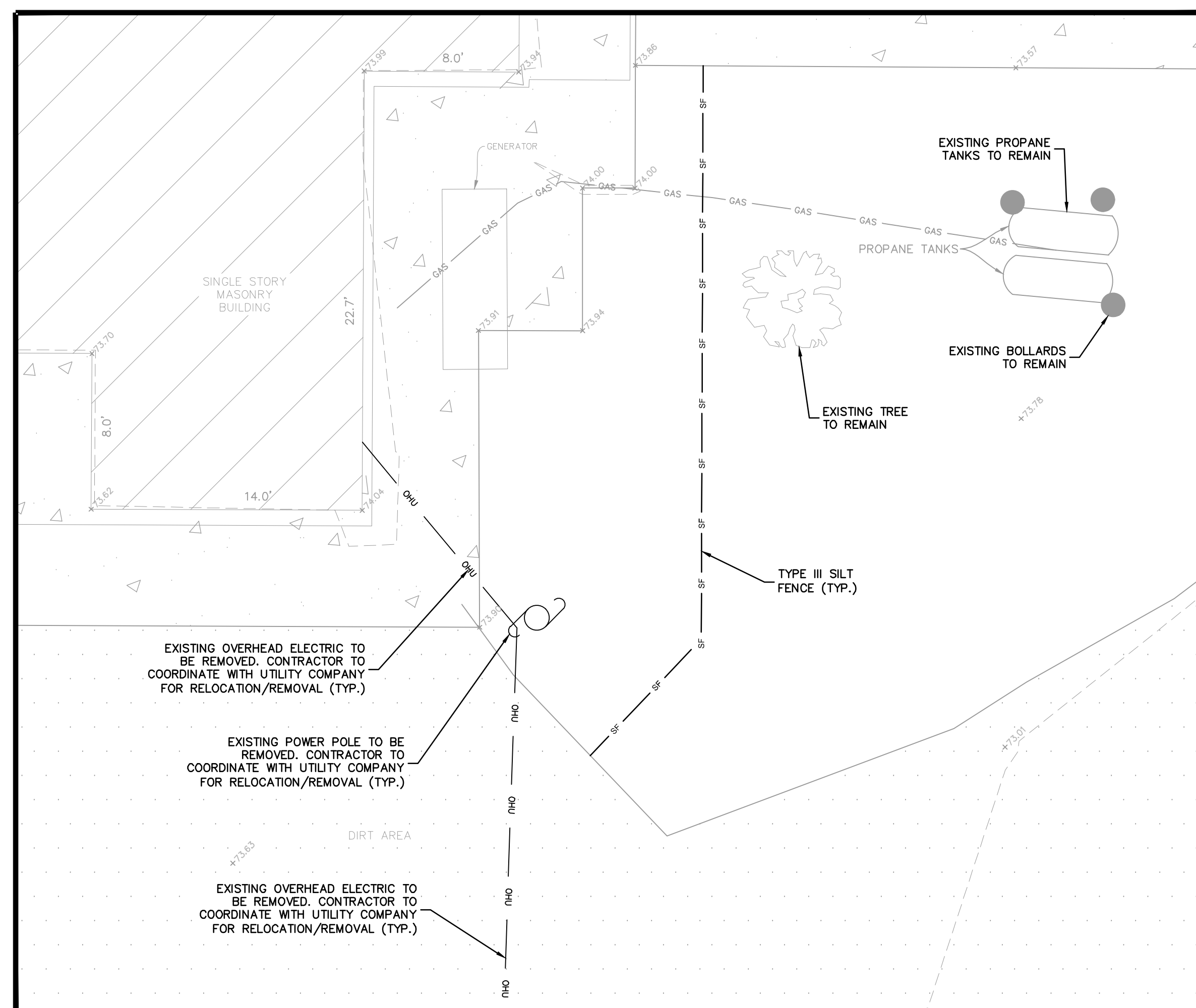
EXISTING LIGHT POLE

EXISTING SITE BENCHMARK

EXISTING SIGN

EXISTING POWER POLE

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. ELEVATIONS SHOWN REFERENCE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).



Sunshine811.com

6876 MARWICK LANE
SUITE 350
ORLANDO, FL 32827
PHONE: (407) 602-0423
REGISTRY No. 35106

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TRANSPORTATION/MAINTENANCE DELTONA
REPLACE EMERGENCY GENERATOR AND MDP
VCS Project NO. 2648209
2101 Eustace Ave
Deltona, FL 32725

ARCHENGR OF RECORD	
DESIGNED BY BJW	DRAWN BY NDF
ISSUE DATE 03/19/2006	AE PROJECT NUMBER 145642004
SHEET TITLE EXISTING CONDITIONS AND DEMOLITION PLAN	
DRAWING NO.	

C310

SYSTEM SYMBOLS

	MOTOR RATED SWITCH
	MOTOR RATED HAND-OFF-AUTO SWITCH
	EMERGENCY POWER OFF SWITCH, MUSHROOM TYPE
	DISCONNECT, HEAVY DUTY, NON-FUSIBLE
	DISCONNECT, HEAVY DUTY, FUSIBLE
	MAGNETIC MOTOR STARTER
	COMBINATION MOTOR STARTER & DISCONNECT
	VARIABLE FREQUENCY DRIVE
	ELECTRICAL PANEL, SURFACE MOUNTED
	ELECTRICAL PANEL, FLUSH MOUNTED
	TRANSFORMER
	DISTRIBUTION PANELBOARD
	INVERTER
	EQUIPMENT CALLOUT
	AUXILIARY SYSTEM CABINET

 AUDIO SPEAKER

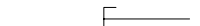
 #	DATA OUTLET, DASH INDICATES 42" AFF
 #	TELEPHONE OUTLET
 #	DATA OUTLET, CEILING MOUNTED
 #	DATA OUTLET, IN FLOOR BOX. REUSE DEMOLISHED AMF50 FLOOR BOX HOUSING WHEN AVAILABLE. IF NOT, PURCHASE SAME OR EQUIVALENT.
 WAP	WIRELESS ACCESS POINT (WAP)
 CR	CARD READER

X = TYPE, # = NUMBER OF DATA DROPS

ELECTRICAL SHEET LIST

#	SHEET NAME
E000	ELECTRICAL SYMBOLS, ABBREVIATIONS, AND NOTES
ED100	ELECTRICAL DEMO SITE PLAN
E100	ELECTRICAL SITE PLAN
E500	ELECTRICAL RISER DIAGRAM
E600	ELECTRICAL DETAILS

ELECTRICAL SYMBOLS

	CONDUIT RUN IN OR ON CEILING OR WALL.
	CONDUIT RUN IN FLOOR, UNDER FLOOR, OR UNDERGROUND.
	MARKS INDICATE QTY OF CONDUCTORS IN CONDUIT EXCLUDING GROUND. NO MARKS INDICATE (2) CONDUCTORS. ADD GROUND PER NEC FOR EMT & NON-METALLIC CONDUIT.
	LONG MARK INDICATES GROUND FOR ISOLATED GROUNDING SYSTEM. SIZE PER NEC.
	BRANCH CIRCUIT (DIAGRAMMATIC)
	HOMERUN INDICATING PANEL AND CIRCUIT NUMBER.
	HOMERUN WITH CIRCUIT NUMBER IN BRACKETS INDICATING MULTI-PHASE LOAD.
	"ON" INDICATES CIRCUITING SPLIT AT DIFFERENT LOCATIONS
	CONDUIT DOWN.
	CONDUIT UP.
	CONDUIT STUB AND CAP.

	DUPLEX CONVENIENCE OUTLET, +18" AFF (TYPICAL).	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET, COUNTER HEIGHT +42" AFF (TYPICAL).	W, FVMH
	CONVENIENCE OUTLET W/ GFCI PROTECTION.	W, +18" AFF
	CONVENIENCE OUTLET W/ GFCI PROTECTION & WEATHER PROOF-IN-USE COVER.	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT & ISOLATED GROUND.	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET FOR MONITOR. COORDINATE WITH ARCH/OWNER.	W, +60" AFF
	DUPLEX CONVENIENCE OUTLET WITH INTEGRAL USB CHARGING PORTS.	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET FOR ELECTRIC WATER COOLER	W, +30" AFF
	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT FOR REFRIGERATOR.	W, +42" AFF
	DUPLEX CONVENIENCE OUTLET W/ DEDICATED CIRCUIT FOR WASTE DISPOSAL.	W, +18" AFF
	DOUBLE DUPLEX CONVENIENCE OUTLET.	W, +18" AFF
	DUPLEX CONVENIENCE OUTLET, CEILING MOUNTED, FVMH.	C, FVMH
	QUAD RECEPTACLE IN FLOOR BOX.	FL
	DUPLEX RECEPTACLE IN FLOOR BOX.	FL
	SPECIAL PURPOSE OUTLET, NEMA CONFIGURATION AND VOLTAGE AS NOTED.	W, FVMH
	JUNCTION BOX, SPECIFIC USE AS NOTED.	W, FVMH

ABBREVIATIONS

AC	ARMORED CABLE
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
CU	COPPER
DIA	DIAMETER
EX	EXISTING TO REMAIN. PROVIDE WHITE TRIM FOR NON-WHITE TRIM DEVICES
EMT	ELECTRIC METAL TUBING
ENT	ELECTRIC NON-METALLIC TUBING
ETC	ETCETERA
IEEE	INSTITUTE FOR ELECTRONIC AND ELECTRICAL ENGINEERS
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPT
KW	KILOWATT
KVA	KILOVOLT-AMPS
MC	METAL CLAD
MH	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION AGENCY
NORM	NORMAL
NTS	NOT TO SCALE
OCP	OVER CURRENT PROTECTION
PH	PHASE
PWR	POWER
PVC	POLYVINYL CHLORIDE
SES	SERVICE ENTRANCE SECTION
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORY
UON	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTED POWER SUPPLY
W	WIRE
XFMR	TRANSFORMER
WP	WEATHER PROOF

GENERAL NEW NOTES:

- FURNISH ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE WORKING ELECTRICAL SYSTEM.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE STATE, COUNTY, AND LOCAL CODES AND ORDINANCES, AS WELL AS ALL CURRENT STANDARDS, CODES AND PRACTICES AS REQUIRED BY NEC 2020, NEMA, ANSI, NFPA, UBC, UL, IEEE, AND UTILITY COMPANY STANDARDS.
3. ALL EQUIPMENT, MATERIALS, AND WORK SHOWN ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
4. VERIFY EXACT LOCATION OF ALL RECEPTACLES ABOVE OR ADJACENT TO COUNTERS, FIXTURES, MIRRORS OUTDOOR FIXTURES AND MOUNTING HEIGHTS AND LOCATIONS OF ALL FIXTURES AND BOXES PRIOR TO ROUGH-IN. NO EXTRA COSTS WILL BE ALLOWED FOR FAILURE TO COMPLY.
5. ANY POWER OUTAGE OF ANY CIRCUIT SHALL BE APPROVED BY THE OWNER IN WRITING A MINIMUM OF TWO WEEKS PRIOR TO OUTAGE. ALL OUTAGES SHALL BE DONE EXACTLY WHEN DETERMINED BY THE OWNER AND DONE BEFORE OR AFTER WORKING HOURS AND ON WEEKENDS. NO SINGLE OUTAGE SHALL REQUIRE MORE THAN 4 HOURS. PROVIDE TEMPORARY POWER, HEAT AND COOLING AS REQUIRED DURING OUTAGE.
6. DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES, IT IS REQUIRED THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
7. PRIOR TO PURCHASE OF ANY PANEL, PROTECTIVE DEVICES, SWITCH, STARTER, CONDUIT, WIRE, ETC., TO FEED ANY PIECE OF MECHANICAL EQUIPMENT, VERIFY THE VOLTAGE, PHASE, AND LOAD OF THAT ITEM IN THE FIELD AND/OR WITH THE PARTICULAR ENR INVOLVED IN FURNISHING THE ITEM SUCH THAT THE PROPER SIZE & RATING OF THE MATERIALS ARE PURCHASED. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO COMPLY. THIS APPLIES TO ALL EQUIPMENT UNDER OTHER SECTIONS & BY THE OWNER.
8. ALL RECEPTACLES SHALL MATCH THE MALE PLUG CONNECTOR OF ALL EQUIPMENT PROVIDED. VERIFY PRIOR TO PURCHASE. SEE GENERAL NOTE 7.
9. PULL ROPES: PROVIDE 300 POUND PULL WIRE OR NYLON EQUIVALENT IN ALL INTERIOR EMPTY CONDUIT RUNS. PROVIDE 1/4" DIA NYLON PULL ROPE IN EACH EXTERIOR CONDUIT OR DUCT.
10. COORDINATE WITH MECHANICAL CONTRACTOR TO AVOID CONFLICTS BETWEEN DUCT WORK, SUPPLY & EXHAUST DIFFUSERS, LIGHTING, SOUND SYSTEMS, AND FIRE ALARM SYSTEM FIXTURES.
11. ELECTRICAL CONTRACTOR SHALL GUARANTEE THE ELECTRICAL WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF TWO YEARS FROM DATE OF FINAL ACCEPTANCE.
12. VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
13. ORDER AND/OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.
14. OBTAIN WRITTEN APPROVAL FROM THE ENGINEER OF ALL SHOP DRAWINGS AND MANUFACTURERS DATA FOR PANEL BOARDS, TRANSFORMERS, WIRING DEVICES, ETC. BEFORE RELEASING ORDERED MATERIALS. SUBMITTAL DATA SHALL INDICATE THAT THE CONTRACTOR HAS REVIEWED THE INFORMATION THEREIN AND THAT THE PROPOSED EQUIPMENT WILL MEET THE PHYSICAL CONSTRAINTS AT THE JOB SITE. ANY SUBSTITUTIONS SHALL BE OF THE EQUIVALENT OR BETTER QUALITY THAN THE SPECIFIED COMPONENTS.
15. TYPE MC OR TYPE AC CABLE SHALL ONLY BE USED WITH THE SPECIFIC WRITTEN PERMISSION OF THE PROGRAM/PROJECT MANAGER. ENT TYPE CONDUIT IS NOT ALLOWED.
16. CONDUIT/CONDUCTOR RUNS SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE ELECTRICAL CONTRACTOR AT THE TIME OF CONSTRUCTION.
17. ALL WIRE SHALL BE COPPER. MINIMUM SIZE FOR POWER WIRING SHALL BE #10 AWG. STRANDED UNLESS OTHERWISE NOTED. MINIMUM SIZE FOR CONTROL WIRING SHALL BE #14 AWG.
18. PROVIDE ALL PANEL BOARDS WITH TYPED DIRECTORIES INSTALLED UNDER A CLEAR PLASTIC COVER. SUBMIT DIRECTORY INFORMATION TO THE OWNER FOR APPROVAL PRIOR TO FINALIZATION.
19. SERIES RATING OF UPSTREAM OR DOWNSTREAM CIRCUIT BREAKERS OR FUSES IS PROHIBITED. ONLY FULLY RATED SYSTEM COMPONENTS WILL BE ACCEPTED.
20. PROVIDE ALL TRENCHING, EXCAVATION, BACK FILLING, SHORING, PUMPING, COMP ACTION TEST ETC. THAT ARE REQUIRED FOR THE SCOPE OF ELECTRICAL WORK.
21. ALL PANEL BOARDS, SWITCHES, MOTOR STARTERS, AND SWITCHBOARD CIRCUIT BREAKERS SHALL HAVE ENGRAVED MICARTA NAMEPLATES.
22. ALL CIRCUITS THAT SHARE A NEUTRAL SHALL BE PROVIDED WITH MULTIPOLE BREAKER.
23. PROVIDE CIRCUIT BREAKER LOCK LOCKED IN THE 'ON' POSITION FOR ALL CIRCUITS SERVING EMERGENCY LIGHTING.
24. ALL EMERGENCY FIXTURES SHALL BE ALWAYS ON NIGHT LIGHTS AND WIRED TO THE UNSWITCHED HOT LEG OF THE CIRCUIT.
25. ALL ANALOG INSTRUMENTATION WIRING SHALL BE SHIELDED.
26. IN ADDITION TO SURFACE RACEWAY AND/OR FLOOR MOUNTED OUTLET BOXES AND POWER POLES INDICATED ON ELECTRICAL DRAWINGS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CABLE TRAY AND FLUSH MOUNTED OUTLET BOXES/BACK BOXES AND ASSOCIATED CONDUIT FOR ALL TELECOMMUNICATIONS OUTLETS (INCLUDING PAMASTER CLOCK/SOUND SYSTEMS, CATV/VIDEO SYSTEMS, AND SECURITY SYSTEMS) ON THIS PROJECT.

Compliance Data	
The following are the primary codes under which this project is designed and permitted	
CODE	APPLICABLE CODE BOOK AND YEAR
BUILDING CODE	2023 FBC (IBC 2018 with Amendments)
ELECTRICAL	2020 National Electrical Code
ENERGY	IECC 2021 with Amendments
ACCESSIBILITY	2021 IBC - Chapter 11
FIRE ALARM	2023 Florida Fire Prevention Code

Kimley»Horn

201 N FRANKLIN ST
SUITE 1400
TAMPA, FL 33602
PHONE: 813.620.1460
REGISTRY NO. 35106

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REVISIONS

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VCS Project NO. 2648209
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Deltona, FL 32725

VCS Project NO. 2648209

2101 Eustace Ave
Deltona, FL 32725

ARCH/ENGR OF RECORD

JIMMY NGUYEN
PE 91973

DESIGNED BY
JN

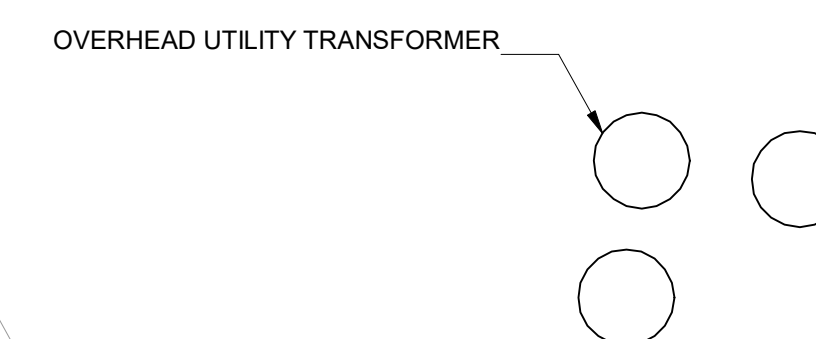
DRAWN BY
JNJ

ISSUE DATE
03/19/2026

03/19/2026	145642004
SHEET TITLE	
ELECTRICAL SYMBOL ABBREVIATIONS, AND NOTES	

DRAWING NO.

E000



- GENERAL NEW NOTES:**
- A. MAKE ALL NECESSARY ALTERNATION TO COORDINATE AND CONNECT THE EXISTING WITH THE NEW ELECTRICAL WORK TO THE END THAT WHEN THE WORK IS COMPLETE, THE ENTIRE ELECTRICAL INSTALLATION, EXISTING AND NEW, SHALL BE IN COMPLETE OPERATION CONDITION. THE DRAWINGS INDICATE THE WORK WHICH IS TO BE IN PLACE AT THE COMPLETION OF THE INSTALLATION.
 - B. EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL EXISTING FIXTURES, SWITCHES AND OTHER MATERIALS OR EQUIPMENT THAT IS REPLACED WITH NEW AND IS NOT INDICATED TO BE REUSED SHALL BE TURNED OVER TO THE OWNER OR BE DISPOSED OF AS DIRECTED BY THE OWNER.
 - C. EXISTING MATERIAL, TO REMAIN UPON COMPLETION IS INDICATED ON DRAWINGS AS EXISTING. CONDUIT AND WIRING IS EXISTING TO THEIR RESPECTIVE SOURCE, ALTHOUGH NOT INDICATED ON THE DRAWINGS, THIS MAY REQUIRE TEMPORARY REMOVAL OR RE-ROUTING OF CONDUITS AND REPLACING EXISTING WIRING WITH NEW DURING THE COURSE OF CONSTRUCTION WORK.
 - D. REMOVE ALL EXISTING CONDUCTORS AND EXPOSED CONDUITS, ABANDONED BACK TO PANEL BOARD, LABEL NEW PANEL DIRECTORY AS "SPARE"
 - E. MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION WHICH IS BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF RE-ROUTING OF CONDUIT AND WIRING, AS REQUIRED TO SUIT THE EXISTING CONDITIONS.
 - F. EXISTING LOADS SHOWN ON PANEL SCHEDULES ARE BASED ON ASSUMPTIONS MADE BY FIELD VISIT NOTIFY ENGINEER THAT ONCE IF LOADS EXCEED 16 AMPS ON ANY 20 AMP 1-POLE CIRCUIT.

#	KEYNOTES
1	GENERATOR GEN-C1 SHALL BE REPLACED LIKE FOR LIKE WITH A 60 KW RATING AND 200A ELECTRONIC ADJUSTABLE TRIP BREAKER. PROPOSED GENERATOR SHALL BE INSTALLED PRIOR TO DEMOLISHING THE EXISTING GENERATOR AND APPURTENANCES. AT NO TIME SHALL THE MAINTENANCE BUILDING LACK EMERGENCY POWER BACKUP.

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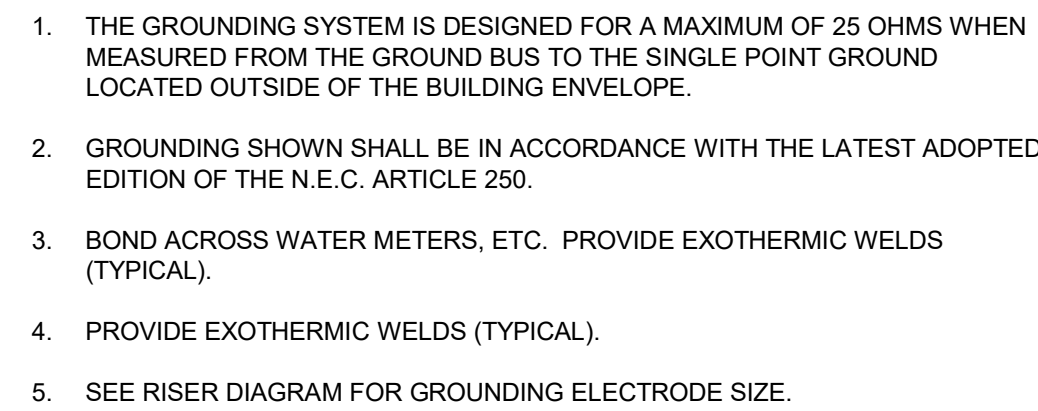
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VCS Project NO. 2648209
2101 Eustace Ave
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ARCHENGFR OF RECORD	
JIMMY KUYEN PE 91973	
DESIGNED BY JJ	DRAWN BY JNJ
ISSUE DATE 03/19/2026	AE/PROJECT NUMBER 145642004
SHEET TITLE ELECTRICAL DEMO SITE PLAN	
DRAWING NO. ED100	

E500



E600



1. ANCHOR BOLTS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
2. ANCHOR BOLTS TO BE PLACED IN PRE-PUNCHED GENERATOR BASE HOLES COMPATIBLE WITH SPECIFIED ANCHOR DIAMETER.

1. THE GOVERNING CODE FOR THIS PROJECT IS THE 2023 FLORIDA BUILDING CODE.
2. COMPLY WITH THE REQUIREMENTS OF THE GOVERNING BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
3. CONTRACTOR SHALL SUITABLY DOCUMENT EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF THE WORK AND SHALL RESTORE ALL DAMAGED OR DISTURBED AREAS TO MEET OR EXCEED ORIGINAL SITE CONDITIONS TO THE OWNER'S SATISFACTION.
4. ASSEMBLE AND INSTALL MATERIALS AND PRODUCTS IN STRICT ACCEPTANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND WITH INDUSTRY/ASSOCIATION STANDARDS. MATERIALS OR WORK DESCRIBED IN WORDS WHICH HAVE A WELL-KNOWN TECHNICAL TRADE MEANING SHALL BE HELD TO THE RECOGNIZED STANDARD. ALL MATERIALS SHALL BE NEW U.O.N.
5. DIMENSIONS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ORDERING MATERIALS AND CONSTRUCTION.
6. ELEVATIONS SHOWN ARE RELATIVE AND FOR REFERENCE ONLY.
7. A CONTROL JOINT PLAN SHALL BE SUBMITTED, AS APPLICABLE, TO THE ENGINEER FOR REVIEW AND COMPLIANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS PRIOR TO FABRICATION, INSTALLATION, OR COMMENCEMENT OF THE WORK.

1. ALL CONCRETE MATERIALS, PLACING AND HANDLING SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE PUBLICATIONS ACI 301 AND ACI 318.
2. CURING OF CONCRETE SHALL BE IN STRICT ACCORDANCE WITH ACI 301 PROVISIONS.
3. ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
4. USE NORMAL WEIGHT CONCRETE (135 PCF MIN.) FOR ALL STRUCTURAL MEMBERS. DO NOT USE CALCIUM CHLORIDE IN READY MIXED CONCRETE. ALL STRUCTURAL CONCRETE SHALL HAVE A MAXIMUM WATER/CEMENT RATIO OF 0.45.
5. PROVIDE A 4 INCH SLUMP WITH A TOLERANCE OF +/- 1 INCH. FOR WALLS 8 INCHES OR LESS IN THICKNESS, PROVIDE 5 INCH SLUMP WITH A TOLERANCE OF +1/2 INCH AND -1 INCH.

6. IF CONCRETE IS PUMPED, SLUMP MAY BE INCREASED TO 6 INCHES AT THE TRUCK, PROVIDED THE SLUMP SPECIFIED ABOVE IS MAINTAINED AT THE DISCHARGE END. USE A MINIMUM 4 INCH PUMP. FOR PUMPED CONCRETE, TAKE CONCRETE SAMPLES FOR SLUMP TEST AT END OF TRUCK CHUTE AND AT DISCHARGE END OF HOSE, AND TAKE SAMPLES FOR CYLINDER TESTING AT DISCHARGE END OF HOSE.
7. WATER SHALL NOT BE ADDED TO CONCRETE AT THE JOBSITE UNLESS SPECIFIC AUTHORIZATION IS INDICATED ON THE DELIVERY TICKET. NOTIFY ENGINEER OF TOTAL QUANTITY OF WATER ADDED TO ANY TRUCK. REPEAT NECESSARY TESTING IF WATER IS ADDED AFTER INITIAL SAMPLING.
8. COARSE AGGREGATE SHALL CONFORM TO ASTM C33. PEAROCK AGGREGATE SHALL NOT BE USED.
9. ALL CONCRETE SHALL BE PLACED IN THE DRY. ALL FORMS SHALL BE FREE OF STANDING WATER.
10. ALL CONCRETE SHALL BE VIBRATED IN PLACE IN ACCORDANCE WITH ACI RECOMMENDED PRACTICES. NO PLACING OF CONCRETE WILL BE COMMENCED UNLESS THERE ARE TWO OPERABLE CONCRETE VIBRATORS ON THE JOB SITE.
11. CONCRETE COVER OVER REINFORCING STEEL SHALL BE AS FOLLOWS, U.O.N.:
 - A. CONCRETE CAST AGAINST EARTH: 3 IN.
 - B. ALL OTHER CONCRETE: 2 IN.
12. PROVIDE CHAMFERS ON ALL EXPOSED EDGES IN KIND WITH THE EXISTING CONDITION.
13. FORM TIES AND REINFORCING BAR SUPPORTS SHALL BE OF NON-CORROSIVE MATERIAL INCLUDING, BUT NOT LIMITED TO, FIBERGLASS, PLASTIC, AND CONCRETE BLOCK. BAR SUPPORTS PLACED ATOP VAPOR BARRIERS SHALL BE CONCRETE BLOCK.
14. ANY TIES, STRAPS OR OTHER METALLIC FORMWORK ITEMS SHALL BE REMOVED TO A DEPTH OF 1-1/2 INCHES MINIMUM BELOW FINISHED CONCRETE SURFACE. CONCRETE SHALL BE REPAIRED IN ACCORDANCE WITH ACI 301.
15. CONCRETE FINISHES:
 - A. FORMED SURFACES SHALL RECEIVE A SMOOTH-FORM FINISH IN ACCORDANCE WITH ACI 301. OFFSET BETWEEN ADJACENT PIECES OF FORMWORK OR CURB MATERIAL SHALL NOT EXCEED "CLASS A" TOLERANCE REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. OFFSET).
 - B. SLAB SURFACES SHALL RECEIVE A TROWELED FINISH IN ACCORDANCE WITH ACI 301. FINISH TOLERANCES SHALL BE IN ACCORDANCE WITH "VERY FLAT" CLASSIFICATION REQUIREMENTS OF ACI 117 (I.E. 1/8 INCH MAX. IN 10 FEET).
 - C. WHERE A NONSLIP FINISH IS REQUIRED, GIVE THE SURFACE A BROOM FINISH OR

DRY-SHAKE APPLICATION OF FINELY CRUSHED ABRASIVE PARTICLES.

IN GENERAL, FINISHES TO REPAIR AREAS ARE TO MATCH EXISTING/ADJACENT CONDITIONS.

1. ALL EXISTING COMPONENTS ADJACENT TO CONSTRUCTION LOCATIONS ARE TO BE PROTECTED DURING CONSTRUCTION. PROPERLY DISPOSE OF ALL MATERIALS TO BE REMOVED. CLEAN UP THE WORK SITE DAILY AND MAINTAIN A SAFE, CLEAN, AND ORDERLY WORK SITE. DO NOT ALLOW WASTE OR DEBRIS TO ACCUMULATE AT THE PROJECT SITE.

3. CONTRACTOR TO USE DEWATERING METHODS TO CONTROL GROUNDWATER WHERE THE GROUNDWATER IS WITHIN TWO FEET BELOW THE EXCAVATED GROUND SURFACE AT THE TIME OF CONSTRUCTION.



1. DEPTH (D) OF SEALANT EQUAL 1 TO 1.5 TIMES THE WIDTH OF THE SEALANT RESERVOIR.
2. WIDTH (W) OF SEALANT RESERVOIR IS 1/2" MIN. TO 5/8" MAX.
3. DEPTH OF INITIAL SAWCUT (SC) OR INSERT TYPE JOINT FORMER (CONTROL JOINT), 1/4" THICKNESS OF SLAB.
4. TOP OF SEALANT WILL BE 1/8" BELOW TOP OF SLAB.
5. JOINT SEALANT SHALL BE SIKAFLEX 1A OR APPROVED EQUIVALENT. INSTALL PER MANUFACTURER'S REQUIREMENTS.



DOCUMENT HISTORY		
NO	DATE	DESCRIPTION

TRANSPORTATION/MAINTENANCE DELTONA
REPLACE EMERGENCY GENERATOR AND MDP

VCS Project NO. 2648209

2101 Eustace Ave
Deltona, FL 32725

ARCHENGR OF RECORD
SHEILA PREBLE, P.E.

DESIGNED BY
JMG

DRAWN BY
JCS

ISSUE DATE
03/19/2020

AE PROJECT NUMBER
145642004

SHEET TITLE

GENERATOR SLAB DETAIL

DRAWING NO.

S100