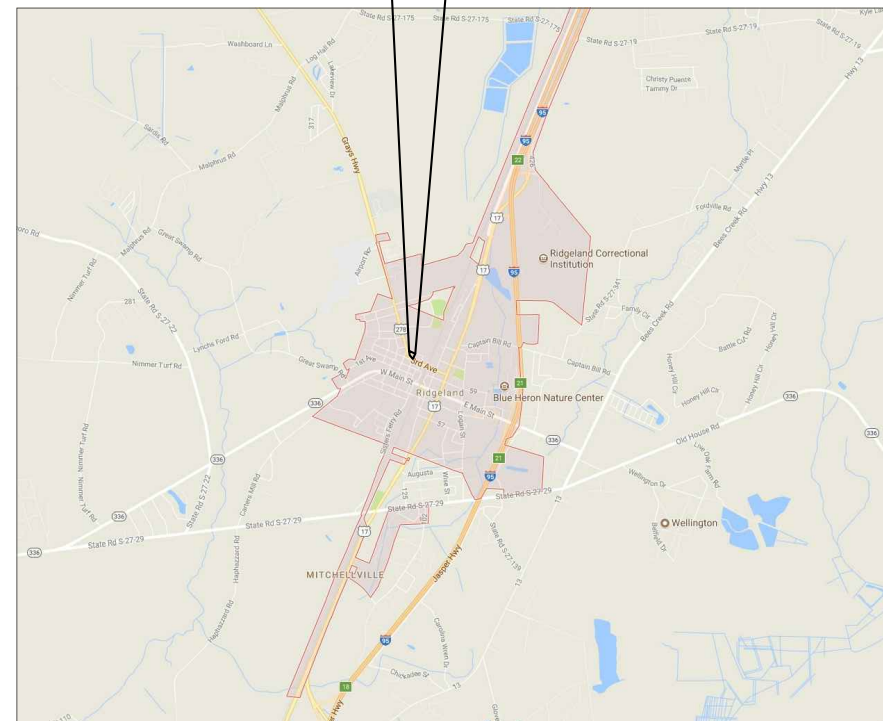


# TOWN HALL GENERATOR TOWN OF RIDGELAND RIDGELAND, SOUTH CAROLINA

TOR 2021-01



**PROJECT LOCATION**



**MAYOR**  
JOSEPH N. MALPHRUS, JR  
**MAYOR PRO TEMPORE**  
TOMMY RHODES  
**COUNCIL MEMBERS**  
JOSEPHINE BOYLES  
CHRIS DUBOSE  
GRADY WOODS  
**TOWN ADMINISTRATOR**  
DENNIS E. AVERKIN

PREPARED BY



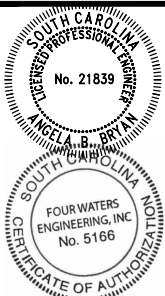
GENERAL SHEET INDEX	
NUMBER	TITLE
COVER	COVER AND SHEET INDEX
G-1	GENERAL NOTES

CIVIL SHEET INDEX	
NUMBER	TITLE
C-1	EXISTING CONDITIONS AND PROJECT SITE
C-2	PROJECT SITE PHOTOS
D-1	CONSTRUCTION DETAILS

ELECTRICAL SHEET INDEX	
NUMBER	TITLE
E-1	GENERAL NOTES, LEGEND AND DETAIL
E-2	ELECTRICAL DETAILS
E-3	SITE PLAN ELECTRICAL
E-4	ONE LINE DIAGRAM
E-5	PANEL SCHEDULE

DATE: MARCH 2021

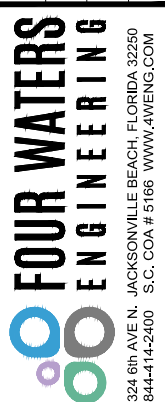
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TOWN HALL GENERATOR  
**COVER AND SHEET INDEX**  
TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

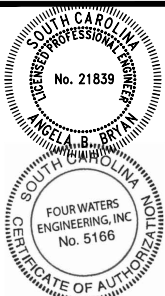
DESIGN ABB	DRAWN SD	JOB #	ISSUE DATE	ISSUE
		17-1007.007	MARCH 2021	100%



DRAWING NUMBER  
**COVER**

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL PROTECT ALL BENCHMARKS AND MONUMENTS FROM DAMAGE AND SHALL ESTABLISH OFFSET POINTS AS REQUIRED FOR THIS WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL SCHEDULED IMPROVEMENTS AS SHOWN ON THE CONTRACT DRAWINGS.
2. ALL CONSTRUCTION THAT PERTAINS TO WATER AND SEWER SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS, LATEST EDITION. ALL CONSTRUCTION THAT PERTAINS TO ROADWAY AND DRAINAGE THAT IS NOT SPECIFICALLY NOTED OR DETAILED IN THE CONSTRUCTION DRAWINGS SHALL CONFORM TO THE SCDOT SPECIFICATIONS, LATEST EDITION.
3. AVAILABLE INFORMATION AS TO THE LOCATION OF EXISTING UTILITIES HAS BEEN COLLECTED FROM VARIOUS SOURCES. THE RESULT OF SUCH INVESTIGATIONS, AS MAY BE SHOWN ON THE CONTRACT DRAWING, ARE NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY MARK-OUT SERVICE PROVIDER AND VERIFY AREA OF ALL UTILITIES (AS NECESSARY) PRIOR TO COMMENCING WORK.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY EXISTING ABOVEGROUND AND UNDERGROUND UTILITIES, CONDUITS, STRUCTURES, EQUIPMENT, FOUNDATIONS, PIPE, ETC. AS NECESSARY TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE OWNER'S OF THE UTILITY 72 HOURS PRIOR TO STARTING WORK AND SHALL BEAR ALL COSTS ASSOCIATED WITH SAME. VARIOUS UTILITIES MAY NEED TO BE RESET BY THE AFFECTED UTILITY COMPANY. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF THE UTILITY COMPANY TO AVOID DELAYS. NO EXTENSION OF TIME WILL BE PROVIDED DUE TO THE LACK OF COORDINATION BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM TEST PITS WHERE EXISTING UTILITIES ARE TO BE CROSSED. TEST PIT INFORMATION SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID CONFLICTS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS WITHIN SCDOT AND TOWN R.O.W.'S AND EASEMENTS. ALL SURVEY LAYOUT VERIFYING THE EXACT LOCATION OF THE R.O.W.'S SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL COSTS FOR SAME SHALL BE INCLUDED WITHIN THE VARIOUS BID ITEMS.
6. THE CONTRACTOR SHALL TAKE CARE IN MAINTAINING ALL LANDSCAPING AND YARD STRUCTURES WITHIN THE CONSTRUCTION LIMITS AS NECESSARY PER PROJECT. WHEN RELOCATION IS NECESSARY OR WHERE ANY DAMAGE IS DONE TO SAID ITEMS THEY SHALL BE RESTORED BY THE CONTRACTOR, AT HIS EXPENSE, TO THE SATISFACTION OF THE TOWN ENGINEER.
7. ANY CONCRETE DRIVEWAY, WALKWAY, OR CURB WHICH IS NOT SHOWN, DIRECTED, OR MARKED OUT BY THE ENGINEER TO BE REPLACED, BUT IS REMOVED, MISALIGNED OR DAMAGED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR PER DETAILS IN THE CONSTRUCTION DRAWINGS OR (IF NOT INDICATED IN THE CONSTRUCTION DRAWINGS) SCDOT STANDARDS AT NO ADDITIONAL COSTS TO THE OWNER.
8. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE AWAY FROM BUILDINGS AND ALONG ROAD GUTTERS IS MAINTAINED AT ALL LOCATIONS DISTURBED WITH IN THE PROJECT LIMITS.
9. IF IT SHALL BECOME ABSOLUTELY NECESSARY TO PERFORM WORK AT NIGHT, THE TOWN SHALL BE INFORMED IN ADVANCE. GOOD LIGHTING AND ALL OTHER NECESSARY FACILITIES FOR PROPERLY CARRYING OUT AND INSPECTING THE WORK SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL ALSO COMPLY WITH ALL STATE AND LOCAL REGULATIONS GOVERNING HOURS DURING WHICH CONSTRUCTION EQUIPMENT MAY BE OPERATED. NIGHT WORK MAINTENANCE OF TRAFFIC INCLUDING PEDESTRIAN MUST BE SET UP AND MAINTAINED DURING NIGHT WORK AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. OPEN TRENCHES SHALL BE KEPT TO A MINIMUM. NO EXCAVATION AREAS ARE TO REMAIN OPEN OVERNIGHT. BITUMINOUS STABILIZED BASE COURSE SHALL BE PLACED IN ALL TRENCH AREAS WITHIN THE ROADWAY AT THE END OF EACH DAYS WORK.
11. IN THE EVENT A SITUATION ARISES IN WHICH MATERIALS NOT SPECIFIED ON THE PLANS ARE TO BE USED FOR EXTRA WORK, THEN THE MATERIALS SHALL CONFORM TO THE TOWN OF RIDGELAND STANDARD SPECIFICATIONS FOR WATER AND SEWER SYSTEMS AND SCDOT SPECIFICATIONS FOR ROADWAY AND DRAINAGE SYSTEMS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MATERIALS EXCAVATED OF WHATEVER NATURE AT HIS OWN EXPENSE. THE OWNER IS NOT OBLIGATED TO SUPPLY A DISPOSAL SITE. THE CONTRACTOR CANNOT DEPOSIT ANY OF THE EXCESS MATERIALS WITHIN TOWN LIMITS WITHOUT THE EXPRESS PERMISSION OF THE TOWN. MATERIALS MUST BE DISPOSED OF IN ACCORDANCE WITH ALL STATE REGULATIONS REGARDING SAME.
13. ALL STRUCTURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND DETAILS.
14. PROTECTION OF EXISTING TREES WITHIN THE LIMITS OF DISTURBANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE TOWN ENGINEER SHALL DETERMINE IN THE FIELD OR ON THE CONSTRUCTION PLANS WHICH TREES REQUIRE TREE PROTECTION PER PROJECT AS NECESSARY. NO CONSTRUCTION EQUIPMENT OR SUPPLIES SHALL BE STOCKPILED OR STORED WITHIN THE DRIP LINE OF ANY EXISTING TREE TO REMAIN.
15. ALL PROPERTY CORNERS OR MONUMENTS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY A SOUTH CAROLINA LICENSED LAND SURVEYOR, AT NO ADDITIONAL COST TO THE OWNER.
16. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO MAINTAIN DUST CONTROL AS REQUIRED OR DIRECTED BY THE TOWN ENGINEER. ALL VEHICLES SHALL BE CLEAN AND ALL ROADWAYS SHALL BE MAINTAINED AS DIRECTED BY THE TOWN ENGINEER.
17. ALL DISTURBED PAVEMENT MARKINGS AND SIGNS SHALL BE RESTORED AND SHALL CONFORM TO THE SCDOT STANDARDS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PAVEMENT MARKINGS. CONTRACTOR SHALL NOTIFY TOWN ENGINEER AND SCDOT (AS NECESSARY) WHEN TRAFFIC STRIPES AND PAVEMENT MARKINGS HAVE BEEN LAID OUT PRIOR TO PAINTING. THE TOWN ENGINEER AND/OR SCDOT (AS NECESSARY) WILL INSPECT AND APPROVE LAYOUT PRIOR TO CONTRACTOR PAINTING TRAFFIC STRIPES AND PAVEMENT MARKINGS.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION STEAKOUT. OFFSET LINES WITH STAKES SHALL BE SET AT APPROPRIATE INTERVALS TO FACILITATE CONSTRUCTION.
19. THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE SHOWN HEREIN.
20. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY PROJECT PERMITS INCLUDING SCDOT ENCROACHMENT PERMIT IF NECESSARY.
21. THESE GENERAL NOTES SHALL APPLY FOR THE ENTIRE PROJECT.



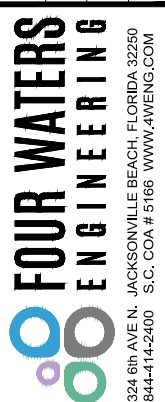
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TOWN HALL GENERATOR

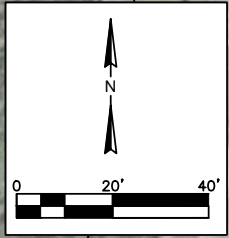
**GENERAL NOTES**

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN ABB	SD	ISSUE DATE	ISSUE
	17-1007.007	MARCH 2021	100%



DRAWING NUMBER  
**G-1**



**NOTE:**  
 "ZONE X" AREA OF MINIMAL FLOOD HAZARD  
 PER FEMA FIRM PANEL 0305D FIRM FLOOD INSURANCE RATE MAP  
 FOR JASPER COUNTY SOUTH CAROLINA AND INCORPORATED AREAS.  
 MAP NUMBER 450530305D. EFFECTIVE DATE OCTOBER 18, 2019.

PROPERTY OWNER:  
 TOWN OF RIDGELAND  
 4TH AVENUE

PROPERTY OWNER:  
 TOWN OF RIDGELAND  
 4TH AVENUE

PROPERTY OWNER:  
 REISER BRENDA THOMAS  
 409 4TH AVENUE

PROPERTY OWNER:  
 TOWN OF RIDGELAND  
 TOWN SQUARE

PROPERTY OWNER:  
 TOWN OF RIDGELAND  
 TOWN SQUARE

PROPERTY OWNER:  
 THOMAS GENEVA SAULS  
 P O BOX 595  
 RIDGELAND SC

PROPERTY OWNER:  
 THOMAS GENEVA SAULS  
 P O BOX 595  
 RIDGELAND SC

IMAGE-3  
 SEE SHEET C-2

IMAGE-1  
 SEE SHEET C-2

IMAGE-2  
 SEE SHEET C-2

GENERAL PROJECT  
 WORK AREA

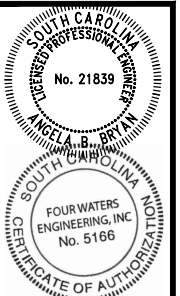
TOWN HALL

4TH AVE  
 TOWN SQUARE

278 - GRAYS HWY

RUSSELL ST

3RD AVE



REV	NO	DATE	DESCRIPTION
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TOWN HALL GENERATOR  
**EXISTING CONDITIONS AND PROJECT SITE**  
 TOWN OF RIDGELAND  
 RIDGELAND, SOUTH CAROLINA

DESIGN ABB	SD	JOB #	ISSUE DATE	ISSUE



DRAWING NUMBER  
**C-1**

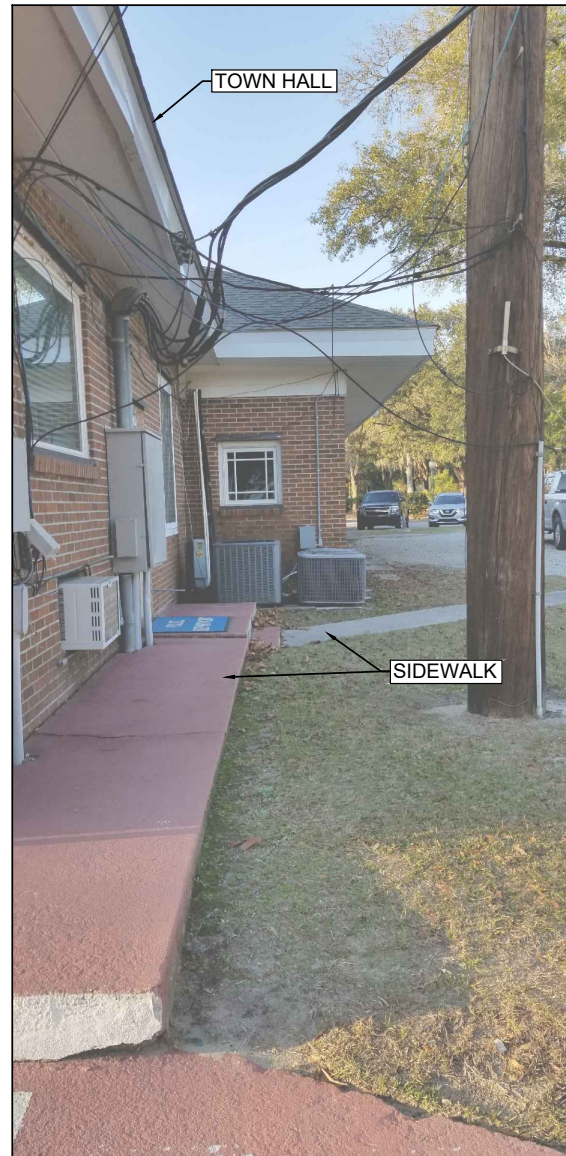


IMAGE 1 - LOOKING NORTHWEST

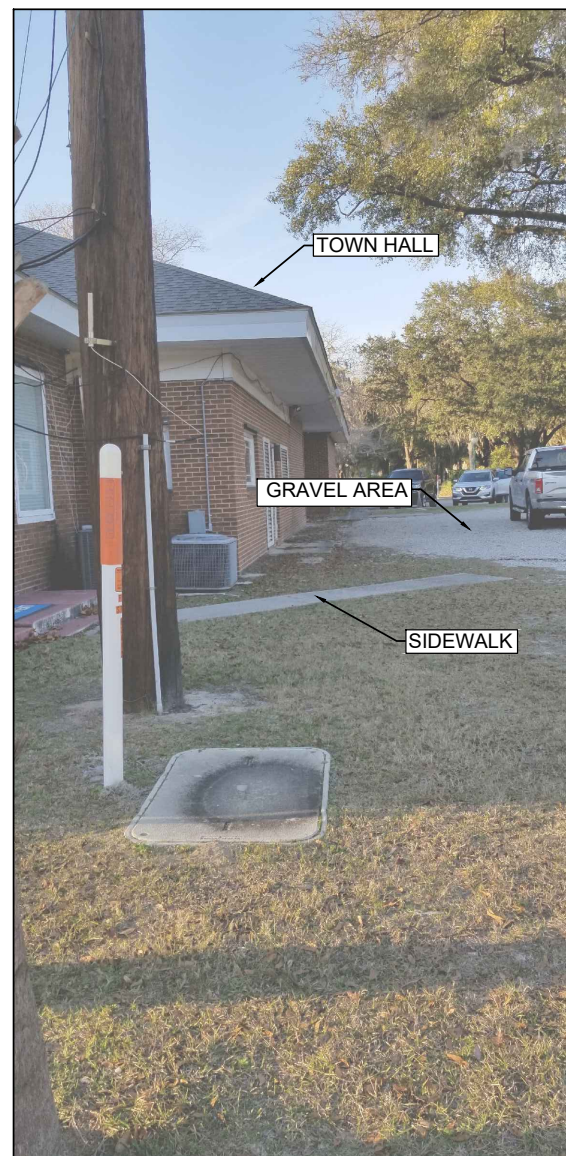


IMAGE 2 - LOOKING NORTHWEST



IMAGE 3 - LOOKING WEST-NORTHWEST



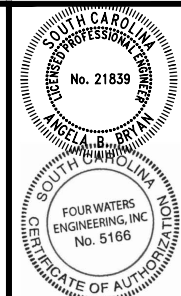
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TOWN HALL GENERATOR  
**PROJECT SITE PHOTOS**  
 TOWN OF RIDGELAND  
 RIDGELAND, SOUTH CAROLINA

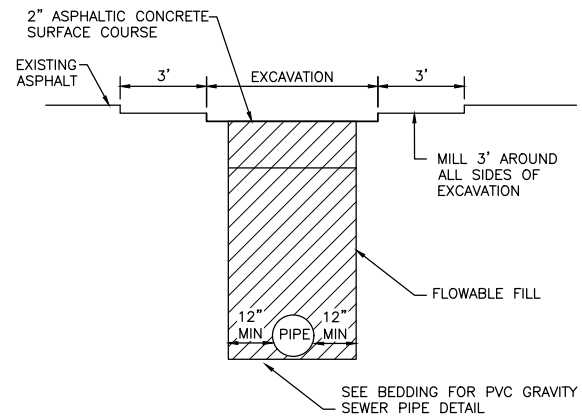
DESIGN ABB	DRAWN SD	DATE	ISSUE	SCALE
		17-1007.007	MARCH 2021	100%

**FOUR WATERS ENGINEERING**  
 324 6th AVE. N. JACKSONVILLE BEACH, FLORIDA 32250  
 844-414-2400 S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**C-2**

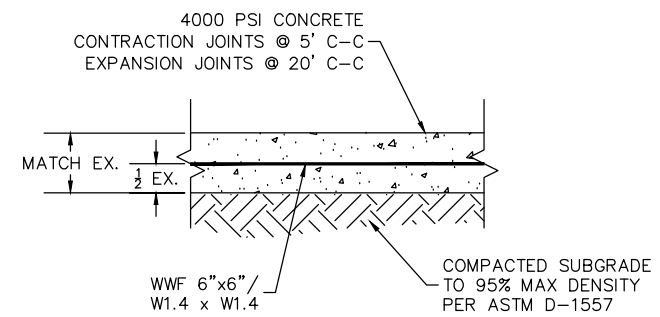


**OPEN CUT REPAIR**



- NOTES:
1. COMPACTION TESTS TO BE CONDUCTED BY A GEOTECHNICAL PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA AND SUBMITTED TO THE TOWN AND SCDOT FOR REVIEW AND APPROVAL PRIOR TO PAVING. TESTING RESULTS SHALL BE PROVIDED DIRECTLY TO SCDOT BY TESTING LAB.
  2. COMPACTION TESTS SHALL BE CONDUCTED ON EACH SIDE OF ANY STRUCTURE (2 TOTAL) ABOVE THE PIPE INSTALLATION AND AS REQUIRED BY SCDOT FOR THE STRUCTURE. TESTS TO BE CONDUCTED BY A GEOTECHNICAL PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA AND SUBMITTED TO THE TOWN AND SCDOT FOR REVIEW AND APPROVAL PRIOR TO PAVING
  3. ALL EXCAVATION AREAS SHALL BE COVERED WITH STEEL PLATE TO SCDOT STANDARDS AND TRAFFIC RESTORED AT THE END OF THE WORK DAY
  4. ALL DISTRIBUTED PAVEMENT STRIPING AND MARKINGS SHALL BE RESTORED TO SCDOT STANDARDS (THERMOPLASTIC IN PRIMARY ROADS AND PAINT IN SECONDARY ROADS)

**SCDOT PAVEMENT REPAIR**  
NOT TO SCALE



- NOTE:
1. CONTRACTOR SHALL INSTALL PER SCDOT STANDARD SPECIFICATIONS

**TYPICAL SECTION CONCRETE SIDEWALK**  
NOT TO SCALE

REV/NO	DATE	DESCRIPTION
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TOWN HALL GENERATOR

**CONSTRUCTION DETAILS**

TOWN OF RIDGELAND  
RIDGELAND, SOUTH CAROLINA

DESIGN ABB	DRAWN SD	DATE	ISSUE DATE	ISSUE
	17-1007.007	MARCH 2021		100%

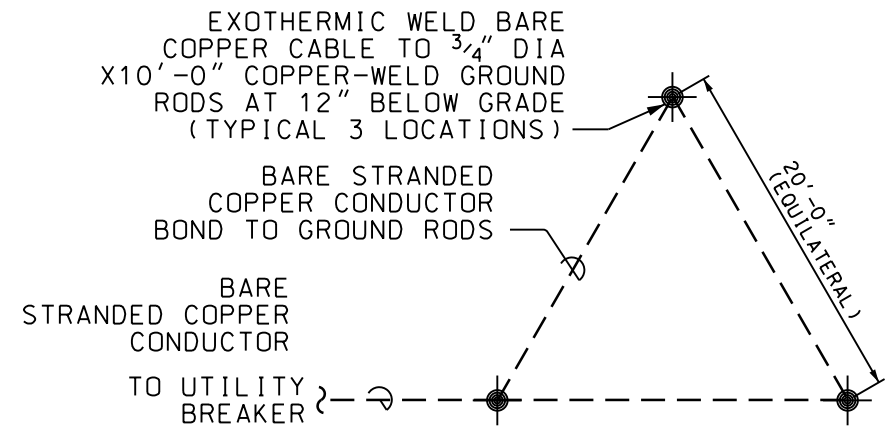
**FOUR WATERS ENGINEERING**

JACKSONVILLE BEACH, FLORIDA 32250  
S.C. COA # 5166 WWW.FWENG.COM

DRAWING NUMBER  
**D-1**

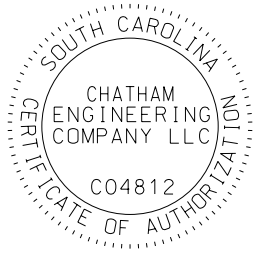
# GENERAL NOTES:

- G1. THE CONTRACTOR SHALL MAINTAIN THE ELECTRICAL SERVICE TO THE BUILDING THROUGHOUT THE PROJECT. COORDINATE ANY REQUIRED OUTAGE WITH THE OWNER THREE (3) BUSINESS DAYS IN ADVANCE OF THE OUTAGE. IDENTIFY EXTENT OF OUTAGE AND OBTAIN OWNER APPROVAL BEFORE OUTAGE. COORDINATE OUTAGE WITH UTILITY.
- G2. FIELD COORDINATE WITH THE OWNER FOR THE LOCATION OF THE GENERATOR REMOTE ANNUNCIATOR. IT SHOULD BE WALL MOUNTED IN A CONSTANTLY ATTENDED LOCATION WITHIN THE BUILDING. FLUSH MOUNT THE ANNUNCIATOR IN AN INTERIOR WALL, 48" AFF TO THE BOTTOM, CONDUIT AND WIRE SHALL BE INSTALLED CONCEALED ABOVE THE ACCESSIBLE CEILING.
- G3. THE GENERATOR AND THE PROPANE TANK SHALL BE LOCATED NO LESS THAN 10' FROM THE EDGE OF THE BUILDING EAVE. ALSO NEITHER MAY BE CLOSER THAN 14' FROM ANY EGRESS DOOR OR WINDOW. FIELD COORDINATE FINAL LOCATION WITH THE OWNER.
- G4. FIELD COORDINATE THE ELECTRICAL SERVICE MODIFICATIONS WITH DOMINION ENERGY. CONTACT PARKS MOSS, CUSTOMER SERVICE SR. ENGINEER, 843-815-8808. FIELD COORDINATE THE LOCATION OF THE NEW SERVICE POLE WITH THE EXISTING SANITARY SEWER, TREES AND OTHER OBSTRUCTIONS.
- G5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, CONDUITS, OPTICAL FIBER ETC. COORDINATE WITH THE TOWN OF RIDGELAND WATER AND WASTE WATER DEPARTMENT, THE TELEPHONE UTILITY, THE OWNER ETC. UTILIZE 811 LOCATE SERVICE BUT DO NOT SOLELY RELY ON 811.
- G6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF ANY UNDERGROUND UTILITIES DAMAGED BY HIS/HER EMPLOYEES OR SUB-CONTRACTORS. HAND EXCAVATION AND TRENCHING IS REQUIRED FOR THIS PROJECT. POWERED TRENCHING IS NOT PERMITTED.
- G7. MOUNT THE SURGE PROTECTION DEVICE TO THE SIDE OF PANEL B, IMMEDIATELY ADJACENT TO THE BREAKER SERVING THE DEVICE. PROVIDE 4 NO.8, 1 NO.8(G) THROUGH A CHASE NIPPLE TO THE SPD. WIRE LENGTH SHALL NOT EXCEED 18".
- G8. PROVIDE NEW MECHANICAL LUGS IN EXISTING PANEL MDP FOR NEW FEEDER.



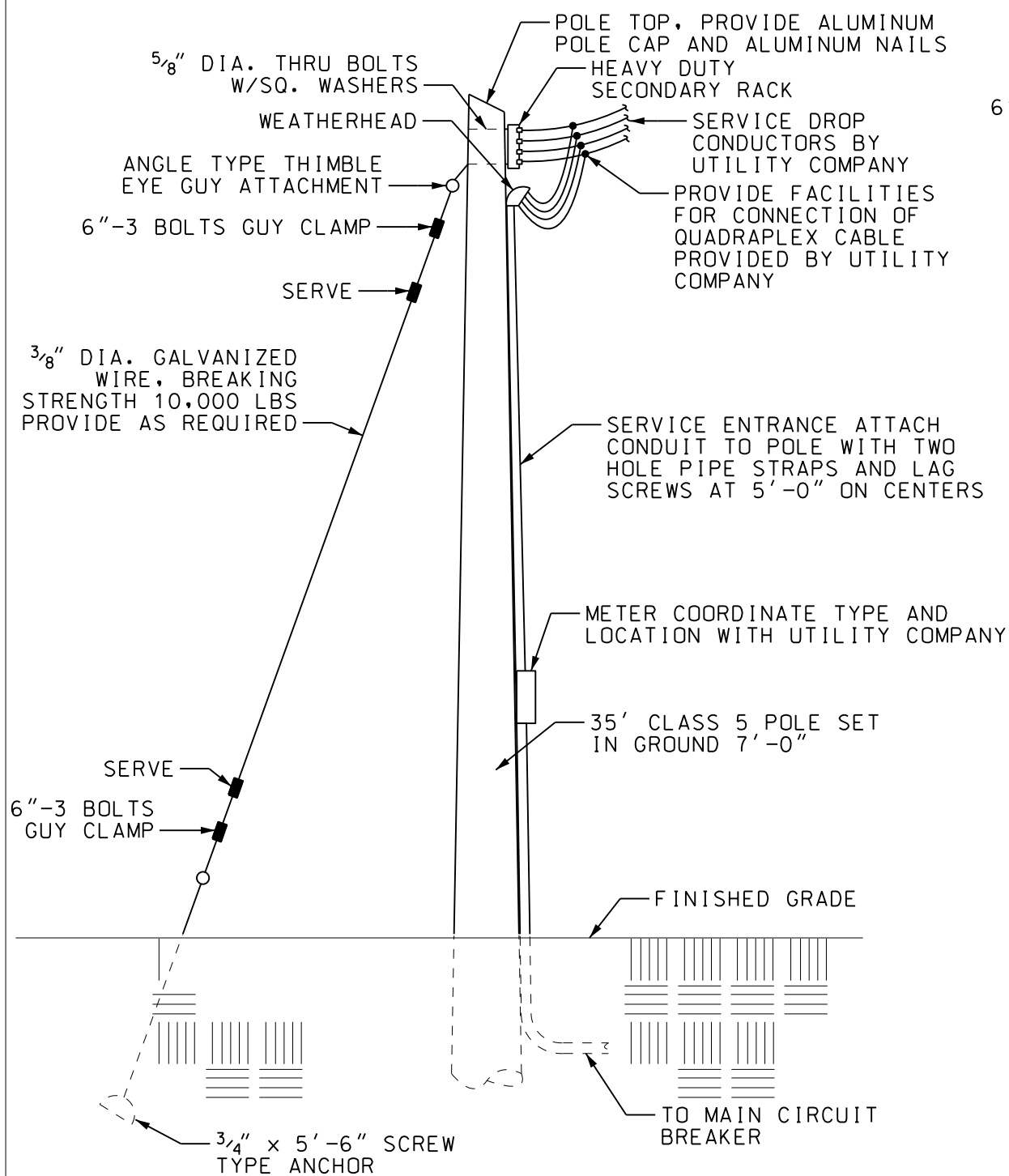
## 1 SECONDARY GROUNDING ELECTRODE SYSTEM

E1 SCALE: NONE

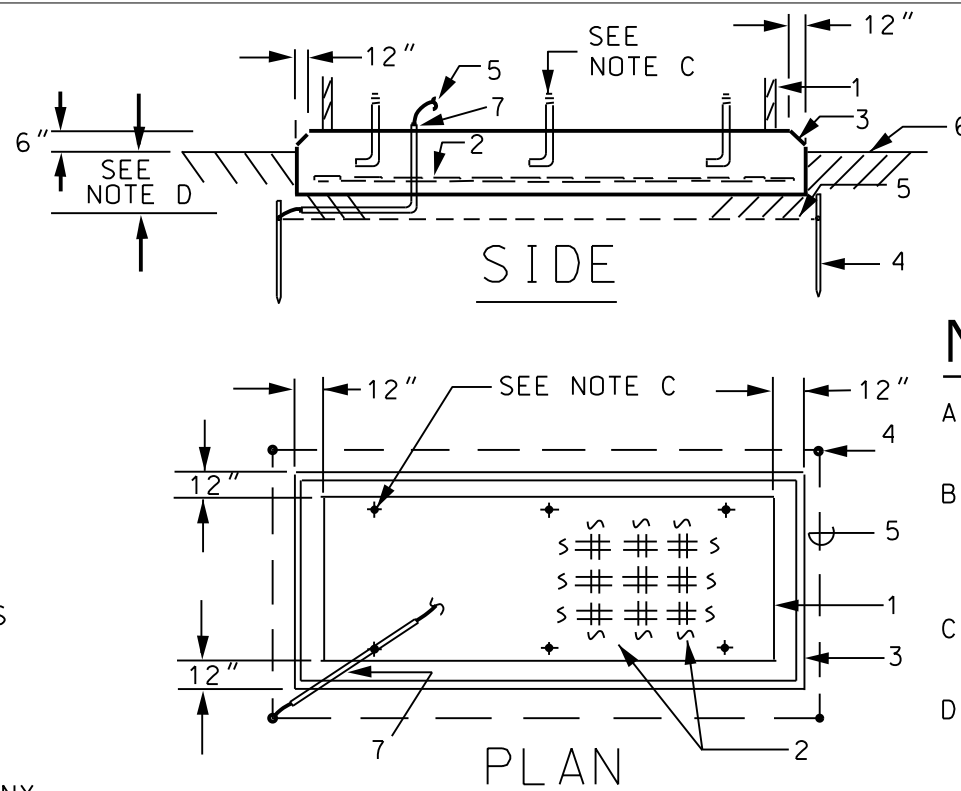
Project No. 20001.00	 Chatham Engineering Company, LLC 109 Park of Commerce Drive, Suite 6 Savannah, Georgia 31405-1396 (912) 238 2400, FAX (912) 238 2412 www.ChathamEngineering.com
Designed: CC	
Drawn: CC	
Reviewed: PM	
Date: 03/05/2021	Project Town of Ridgeland Town Hall Generator Ridgeland, South Carolina
Scale: None	
Seal:	CoA:
	
Drawing No.: E1	Drawing Name: General Notes, Legend & Detail



Know what's below.  
Call before you dig.



**1 SERVICE POLE DETAIL**  
E2 SCALE: NONE

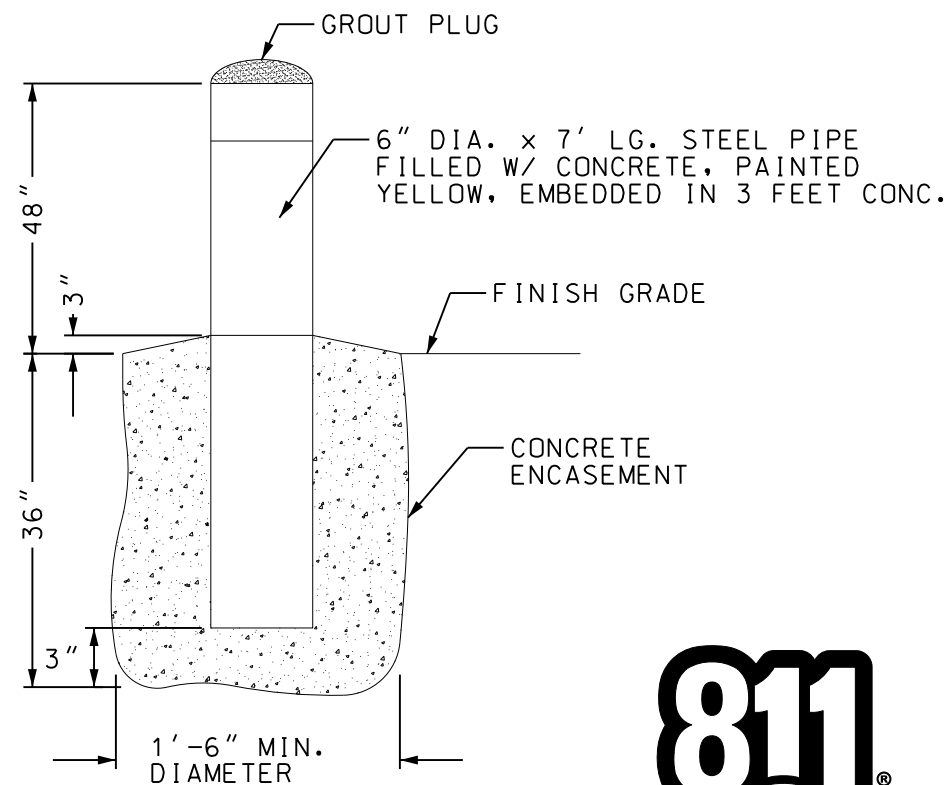


**2 GENERATOR FOUNDATION DETAIL**  
E2 SCALE: NONE



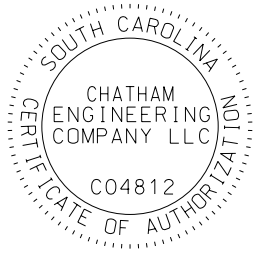
- 1 - GENERATOR SET ENCLOSURE OUTLINE
- 2 - REINFORCING STEEL, NOTE A
- 3 - 1" CHAMFER
- 4 - 3/4" X 10' COPPERCLAD GROUND ROD AND
- 5 - #1/0 CU BARE GROUND CONDUCTOR
- 6 - FINISHED GRADE
- 7 - 3/4" PVC, SEE NOTE B

**NOTES:** GENERATOR FOUNDATION DETAIL

- A. #8 GA. STEEL WIRE MESH 6" O.C., OR #6 REBAR 12" O.C., HORIZONTALLY AND VERTICALLY.
- B. CONNECT TO GENERATOR GROUND CONNECTION LUG. VERIFY STUB UP LOCATION WITH MANUFACTURERS SHOP DRAWINGS. WATERPROOF CONDUIT END WITH SEALING COMPOUND.
- C. ANCHOR BOLTS FURNISHED WITH GENERATOR SET. PROVIDE SIX MINIMUM. TIE TO REINFORCING STEEL.
- D. DIMENSION SHALL BE 6" (12" OVERALL DEPTH) UP TO & INCLUDING 600KW.

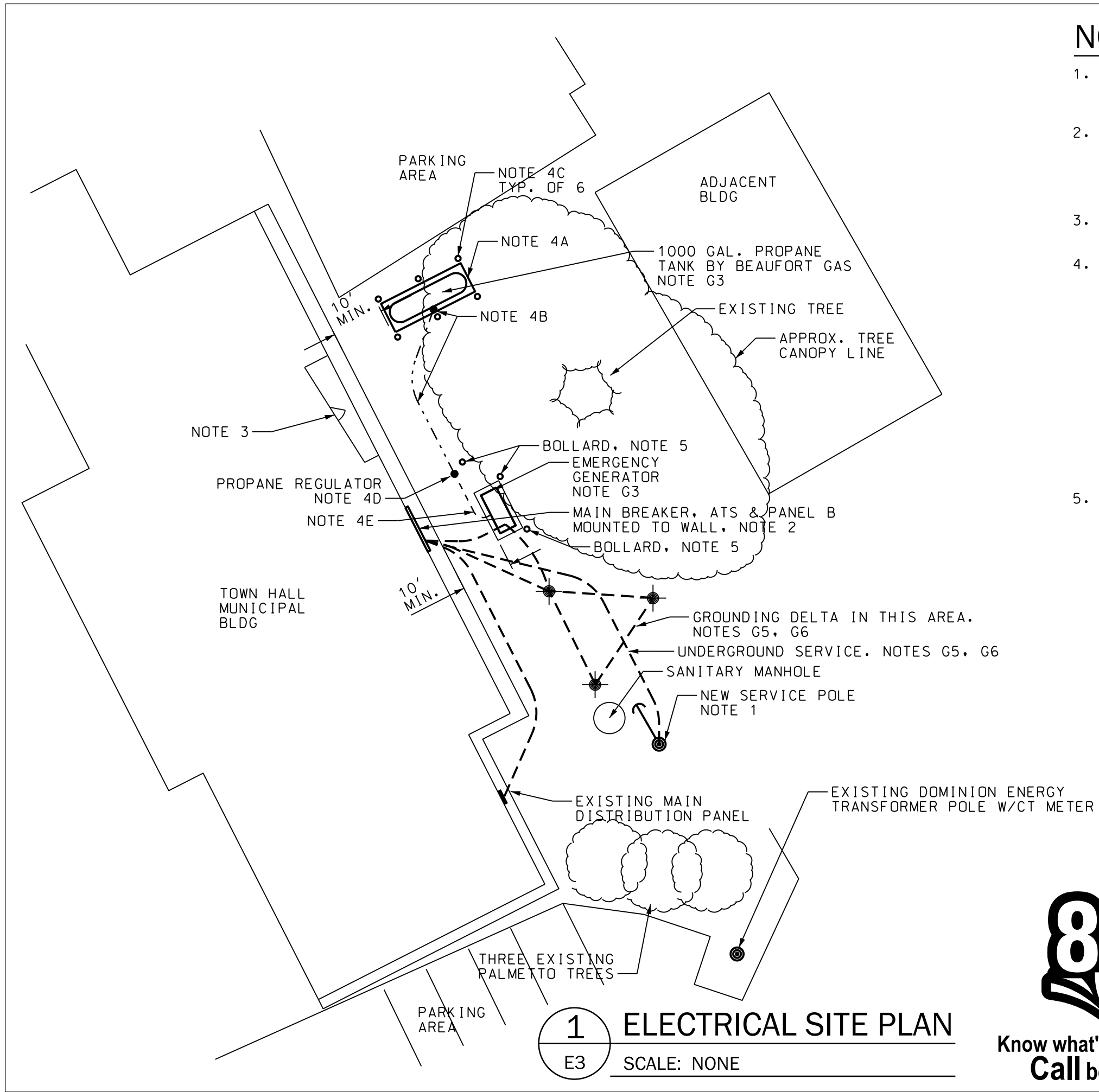


**3 BOLLARD DETAIL**  
E2 SCALE: NONE

Project No. 20001.00	 Chatham Engineering Company, LLC 109 Park of Commerce Drive, Suite 6 Savannah, Georgia 31405-1396 (912) 238 2400, FAX (912) 238 2412 www.ChathamEngineering.com
Designed: CC	
Drawn: PM	
Reviewed: PM	
Date: 01/23/2020	Project Town of Ridgeland Town Hall Generator Ridgeland, South Carolina
Scale: 1" = 20'	
Seal:	CoA:
	
Drawing No.: E2	Drawing Name: Electrical Details





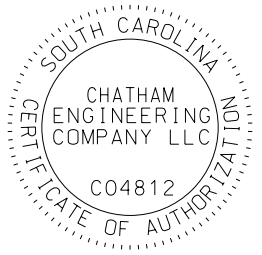
Know what's below.  
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**NOTES:**

1. FIELD COORDINATE LOCATION OF THE NEW SERVICE POLE WITH DOMINION ENERGY, THE OWNER AND UNDERGROUND UTILITIES. REFER TO NOTES G4, G5, G6.
2. FIELD COORDINATE THE LOCATION OF THE NEW SERVICE EQUIPMENT WITH THE EXISTING CONDITIONS AT THE BUILDING. LOCATE THE NEW EQUIPMENT BETWEEN THE MECHANICAL ROOM LOUVERS AND THE CORNER WHERE THE WALL STEPS BACK INTO THE BUILDING.
3. EMERGENCY EXIT DOOR, DO NOT OBSTRUCT WITH GENERATOR OR FUEL TANK.
4. COORDINATE THE PROPANE SERVICE WITH BEAUFORT GAS, CONTACT PAUL NORRIS, PE, PRESIDENT, 843-557-0176.
  - A. PROVIDE A CONCRETE PAD FOR THE PROPANE TANK, 20'X8'X 12" THICK PER DETAIL 2/E2.
  - B. PROVIDE 2" SCH.80 PVC RISER AT TANK MID-POINT, EXTEND TO WITHIN 5' OF GENERATOR. CONDUIT SHALL BE 30" BELOW FINISH GRADE, MINIMUM. PROVIDE DETECTABLE PLASTIC WARNING TAPE 12" BELOW FINISH GRADE.
  - C. PROVIDE SIX STEEL PIPE BOLLARDS ABOUT THE PROPANE TANK, AT EACH END AND AT MID POINT. SEE DETAIL 3/E2.
  - D. FIELD COORDINATE INLET LOCATION ON GENERATOR AND REGULATOR WITH BEAUFORT GAS. THE REGULATOR SHALL NOT BE WITHIN 5' OF THE GENERATOR.
  - E. PROVIDE 10' OF 2" SCH.40 GALVANIZED PIPE BETWEEN REGULATOR AND INLET TO GENERATOR
5. PROVIDE THREE PIPE BOLLARDS AT THE GENERATOR AND THE PROPANE REGULATOR. FIELD COORDINATE LOCATION WITH EQUIPMENT AND OWNER.

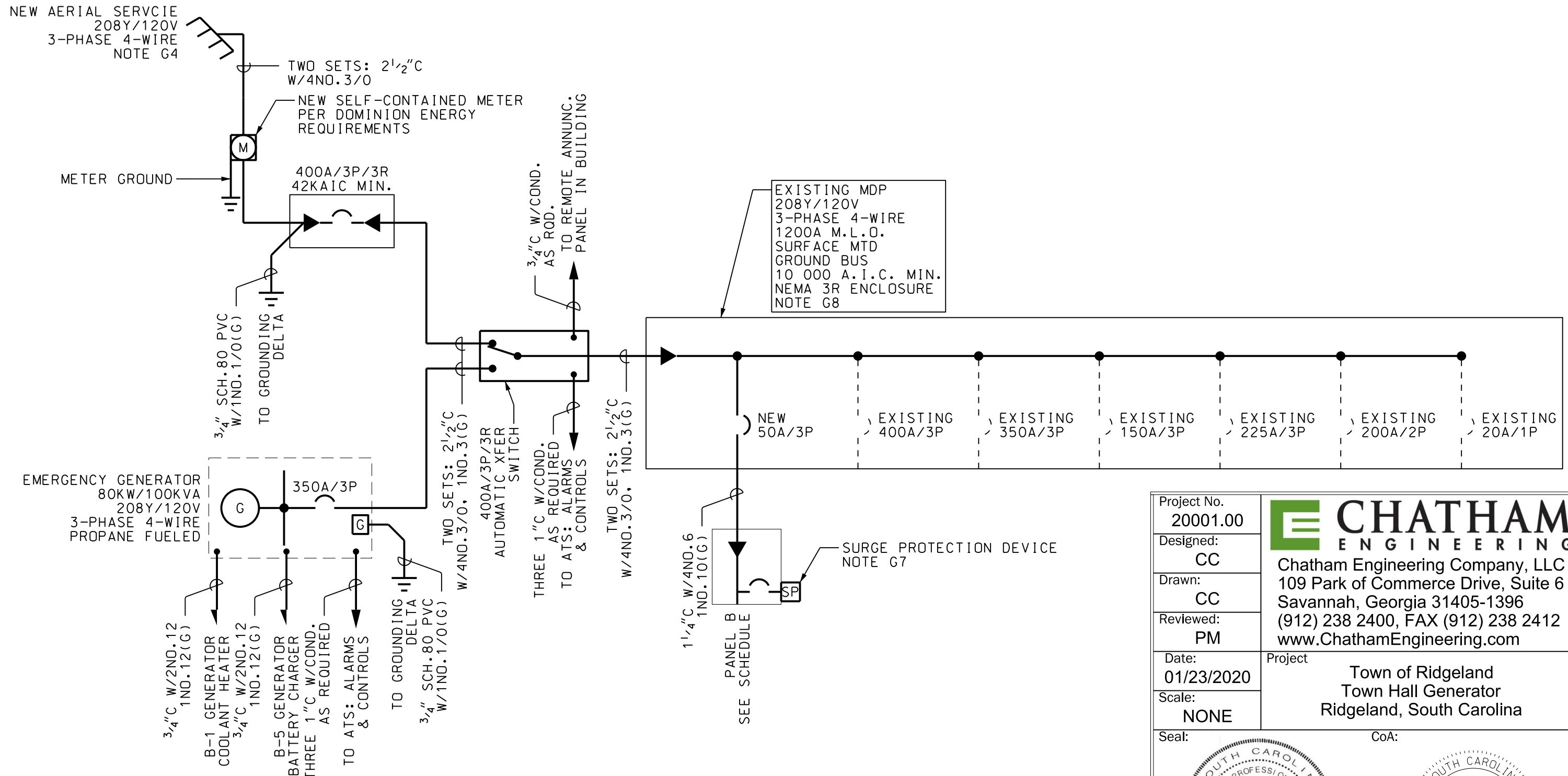
**1** ELECTRICAL SITE PLAN  
 E3 SCALE: NONE

Project No: <b>20001.00</b>	 Chatham Engineering Company, LLC 109 Park of Commerce Drive, Suite 6 Savannah, Georgia 31405-1396 (912) 238 2400, FAX (912) 238 2412 www.ChathamEngineering.com
Designed: CC	
Drawn: PM	
Reviewed: PM	
Date: 03/05/2021	Project Town of Ridgeland Town Hall Generator Ridgeland, South Carolina
Scale: 1" = 20'	
Seal:	CoA:
	
Drawing No.: E3	Drawing Name: Site Plan - Electrical



**Know what's below.  
Call before you dig.**





**1 ONE-LINE DIAGRAM**  
 E4 SCALE: NONE



Know what's below.  
 Call before you dig.

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Designed: CC	
Drawn: CC	
Reviewed: PM	
Date: 01/23/2020	
Scale: NONE	Project Town of Ridgeland Town Hall Generator Ridgeland, South Carolina
Seal:	CoA:
Drawing No.: E4	Drawing Name: One Line Diagram

## SCHEDULE OF PANEL 'B'

**VOLTAGE: 208 / 120**  
**BUS AMPS: 125 A**  
**A.I.C RATING: 10,000 A**

**PHASE: 3**  
**DEVICE AMPS: 125 A**    **MLO**  
**MOUNTING: SURFACE**

**WIRE: 4**  
**NEMA: 3R**

LOCATION DESCRIPTION	LOAD (KVA)	LOAD TYPE	TRIP POLE	#	PH	#	TRIP POLE	LOAD TYPE	LOAD (KVA)	LOCATION DESCRIPTION
GENERATOR COOLANT HEATER	1.3	H	20A/2P	1	A	2	20A/1P	B	0.2	RECEPTACLE
2500W 208V 1PH	1.3	H	-	3	B	4	20A/1P			SPARE
GENERATOR BATTERY CHARGER	1.0	H	20A/1P	5	C	6	20A/1P			SPARE
SPARE			20A/1P	7	A	8	20A/1P			SPARE
SPARE			20A/1P	9	B	10	20A/1P			SPARE
SPARE			20A/1P	11	C	12	20A/1P			SPARE
SURGE PROTECTION DEVICE			40A/3P	13	A	14	20A/1P			SPARE
SURGE PROTECTION DEVICE			-	15	B	16	20A/1P			SPARE
SURGE PROTECTION DEVICE			-	17	C	18	20A/1P			SPARE

### PANEL LOAD ANALYSIS

Load Type	DESCRIPTION	Conn. KVA	Demand KVA	2017 NEC Reference	Load Type	DESCRIPTION	Conn. KVA	Demand KVA	2017 NEC Reference
A	Lighting	0.0	0.0	NEC Article 215.3	E	Heating	0.0	0.0	NEC Article 220.60
B	Receptacles	0.2	0.2	NEC Table 220.44	F	Largest Motor	0.0	0.0	NEC Article 440.7
C	Kitchen Equipment	0.0	0.0	NEC Table 220.56	G	Other Motors	0.0	0.0	NEC Article 440.7
D	Air-Conditioning	0.0	0.0	NEC Article 220.60	H	Other Loads	3.5	3.5	
Phase A Connected Load		1.5 KVA	<b>Notes:</b> STAINLESS STEEL ENCLOSURE			TOTAL CONNECTED LOAD		3.7 KVA	10.3 AMPS
Phase B Connected Load		1.3 KVA				TOTAL DEMAND LOAD		3.7 KVA	10.3 AMPS
Phase C Connected Load		1.0 KVA				MINIMUM SIZING AMPS		5.8 KVA	16.0 AMPS



**Know what's below.**  
**Call before you dig.**

Project No. <b>20001.00</b>	<b>CHATHAM ENGINEERING</b> Chatham Engineering Company, LLC 109 Park of Commerce Drive, Suite 6 Savannah, Georgia 31405-1396 (912) 238 2400, FAX (912) 238 2412 www.ChathamEngineering.com
Designed: CC	
Drawn: PM	
Reviewed: PM	
Date: 03/05/2021	Project <b>Town of Ridgeland</b> <b>Town Hall Generator</b> Ridgeland, South Carolina
Scale: 1" = 20'	
Seal:	CoA:
Drawing No.: E5	Drawing Name: Panel Schedule