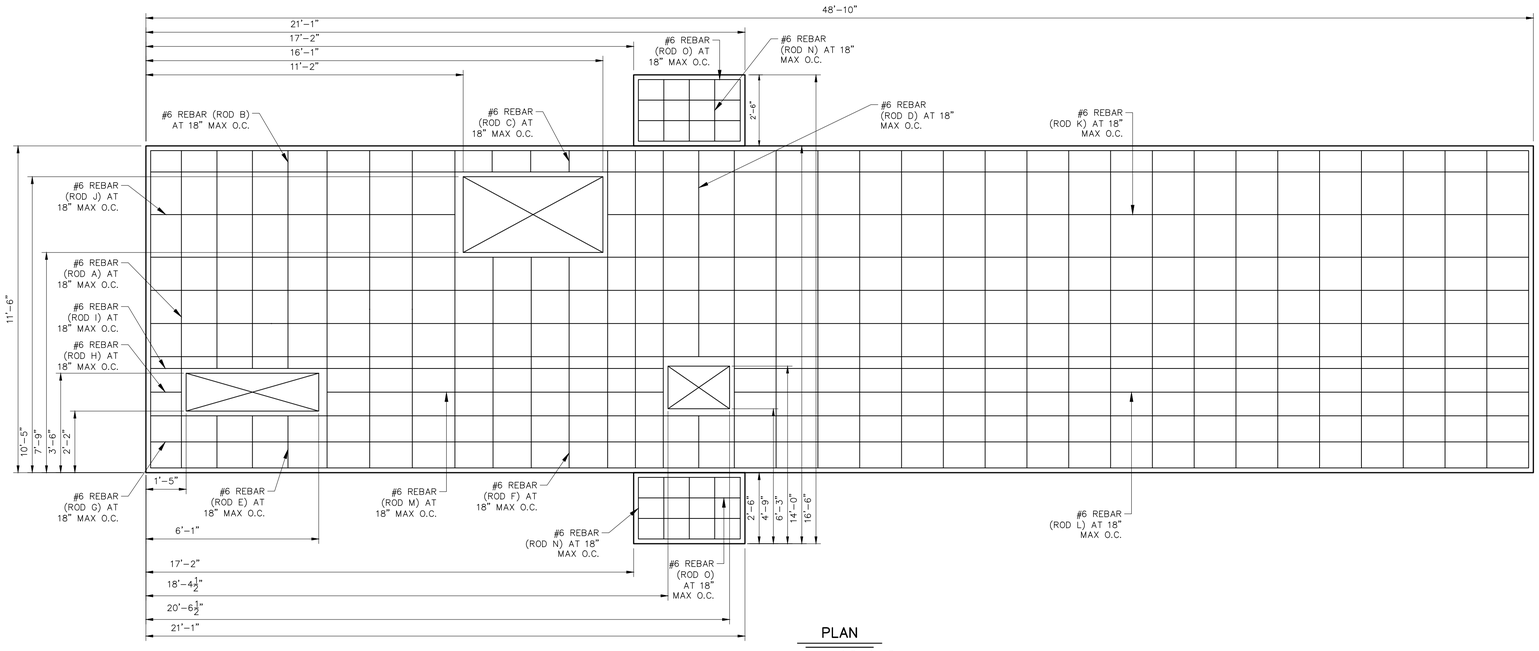
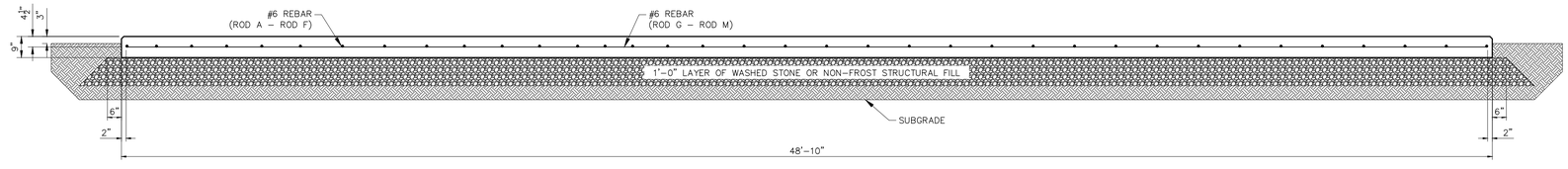



PLAN

SCALE: 3/8"=1'-0"




SECTION

GENERATOR AND TRANSFORMER PAD

SCALE: 3/8"=1'-0"

## SCHEDULE FOR TYPICAL PAD DETAIL

| PAD NO. | TOTAL REQ'D | PAD SIZE LENGTH x WIDTH | PAD SIZE DEPTH | ANCHOR BOLT PLAN | CU YDS CONCRETE PER FDN | CU YDS CONCRETE TOTAL |
|---|---|---|---|---|---|---|
| 1 | 1 | 48'–10" X 11'–6" | 0'–9" | – | 15.60 | 15.60 |

**PAD No. "1"** TOTAL No. REQ'D.– 1

| ROD TYPE | SIZE OF REBAR | NO. REQ'D PER FDN | LENGTH DIM A | LENGTH DIM B | LENGTH TOTAL REBAR |
|---|---|---|---|---|---|
| A | #6 | 29 | 11'–2" | – | 11'–2" |
| B | #6 | 3 | 7'–8" | – | 7'–8" |
| C | #6 | 3 | 0'–9" | – | 0'–9" |
| D | #6 | 1 | 7'–3" | – | 7'–3" |
| E | #6 | 4 | 1'–10" | – | 1'–10" |
| F | #6 | 3 | 7'–5" | – | 7'–5" |
| G | #6 | 9 | 48'–6" | – | 48'–6" |
| H | #6 | 1 | 1'–1" | – | 1'–1" |
| I | #6 | 1 | 18'–1" | – | 18'–1" |
| J | #6 | 1 | 10'–9" | – | 10'–9" |
| K | #6 | 1 | 32'–5" | – | 32'–5" |
| L | #6 | 2 | 28'–0" | – | 28'–0" |
| M | #6 | 1 | 11'10" | – | 11'10" |
| N | #6 | 10 | 2'–2" | – | 2'–2" |
| O | #6 | 8 | 3'–7" | – | 3'–7" |

–FOUNDATIONS HAVE BEEN DESIGNED TO REST ON UNDISTURBED SOIL WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 2,000 PSF. IF UNDESIRED SOIL CONDITIONS ARE ENCOUNTERED THE ENGINEER OF RECORD SHALL BE NOTIFIED.

–ALL EQUIPMENT SHALL BE MOUNTED AS RECOMMENDED BY THE MANUFACTURER.

## NOTES

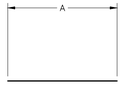
1. THE FOUNDATION CONTRACTOR SHALL AT ALL TIMES FULLY COMPLY WITH ALL OSHA STANDARDS AS WELL AS THE OWNER'S SAFETY STANDARDS, AS A MINIMUM, ESPECIALLY WITH REGARD TO SHORING OF ALL EXCAVATIONS. THE ENGINEER OR OWNER WILL IMMEDIATELY HALT CONSTRUCTION ACTIVITIES IF THE CONTRACTOR DOES NOT COMPLY WITH THESE STANDARDS. FAILURE TO COMPLY AT ALL TIMES WITH THESE STANDARDS WILL RESULT IN DISMISSAL FROM THE PROJECT.
2. THE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF OSHA STANDARDS AS WELL AS THE OWNER'S SAFETY STANDARDS. COPIES SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. ALL FOUNDATIONS TO BE CARRIED TO FIRM UNDISTURBED EARTH OR COMPACTED FILL.
4. WASHED STONE AND STRUCTURAL FILL SHALL BE COMPACTED AS SPECIFIED IN THE FOUNDATION SPECIFICATIONS.
5. REINFORCING STEEL SHALL BE GRADE 60 ASTM A–615 OR A–617.
6. FOR QUANTITY, LENGTH & SHAPE OF RODS SEE REBAR SUMMARY & BENDING LEGEND.
7. CONCRETE SHALL BE 4500 P.S.I. @ 28 DAYS. CONCRETE SHALL BE AIR ENTRAINED WITH AN AIR CONTENT BETWEEN FIVE AND SEVEN PERCENT (5%–7%).
8. CONCRETE SLUMP SHALL BE 4" ± 1". THE CONTRACTOR SHALL MAKE OR HAVE MADE A MINIMUM OF ONE (1) SLUMP TEST IN ACCORDANCE WITH ASTM C 143 FOR EACH TRUCKLOAD OF CONCRETE DELIVERED.
9. CONCRETE COVER OVER REINFORCING STEEL SHALL BE THREE INCHES (3") MINIMUM UNLESS OTHERWISE NOTED.
10. ALL CONCRETE TO BE THOROUGHLY VIBRATED DURING PLACEMENT INTO FORMS TO ENSURE ALL VOIDS ARE FILLED.
11. ALL FOUNDATIONS SHALL BE CHAMFERED ONE INCH (1") AROUND ALL TOP EDGES. UNLESS OTHERWISE SHOWN.
12. CONTRACTOR IS RESPONSIBLE TO COORDINATE INSTALLATION OF ANY CONDUITS LOCATED UNDERNEATH OR PROTRUDING THROUGH FOUNDATIONS. SEE CONDUIT PLAN AND DETAILS FOR CONDUIT LOCATIONS.
13. ALL CONDUITS, WHEN REQUIRED, ARE TO BE PLUGGED OR CAPPED DURING INITIAL CONSTRUCTION TO PREVENT CONTAMINATION.
14. A CONCRETE BONDING AGENT CONFORMING TO ASTM C1059 SHALL BE APPLIED TO ALL ROUGHENED SURFACES PRIOR TO PLACING FRESH CONCRETE.
15. THE CONTRACTOR SHALL PREPARE, OR HAVE PREPARED, IN ACCORDANCE WITH ASTM C–31, FIVE (5) TEST CYLINDERS FROM EACH TRUCKLOAD OF CONCRETE DELIVERED TO THE SITE. WITHIN 20–24 HOURS AFTER BEING PREPARED, THE CYLINDERS SHALL BE DELIVERED TO A QUALIFIED TESTING LABORATORY AND TESTED IN ACCORDANCE WITH THE CONCRETE SPECIFICATIONS AND ASTM C–39. TEST RESULTS ARE TO BE PROVIDED TO THE ENGINEER FOR EVALUATION AND DIRECTION OF CORRECTIVE ACTION IF NEEDED.
16. THE CONTRACTOR SHALL MEET OR EXCEED ALL REQUIREMENTS OF THE CONCRETE SPECIFICATIONS.

## FOUNDATION ANCHOR BOLT SUMMARY

| FDN. DESIGNATION | SERVICE | No. OF REQ'D. STRUCT.'s | No. OF FDN. REQ'D. PER STRUCT. | ANCHOR BOLTS ITEM No. | QTY./ FDN. | TOTAL QTY. REQ'D. | DIA. | LENGTH EMBED | LENGTH THREAD MIN. | LENGTH PROJECTION ABOVE PAD | LENGTH HOOK | LENGTH TOTAL | WASHER QTY.–DESC. | NUT QTY.–DESC. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
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## ROD BENDING LEGEND (NOT TO SCALE)

*DIMENSIONS ARE OUT TO OUT




ROD A – ROD O

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NC F-0221

NORTH CAROLINA PROFESSIONAL SEAL 045262 ENGINEER JAFAR J. MANNAN

9/29/2021

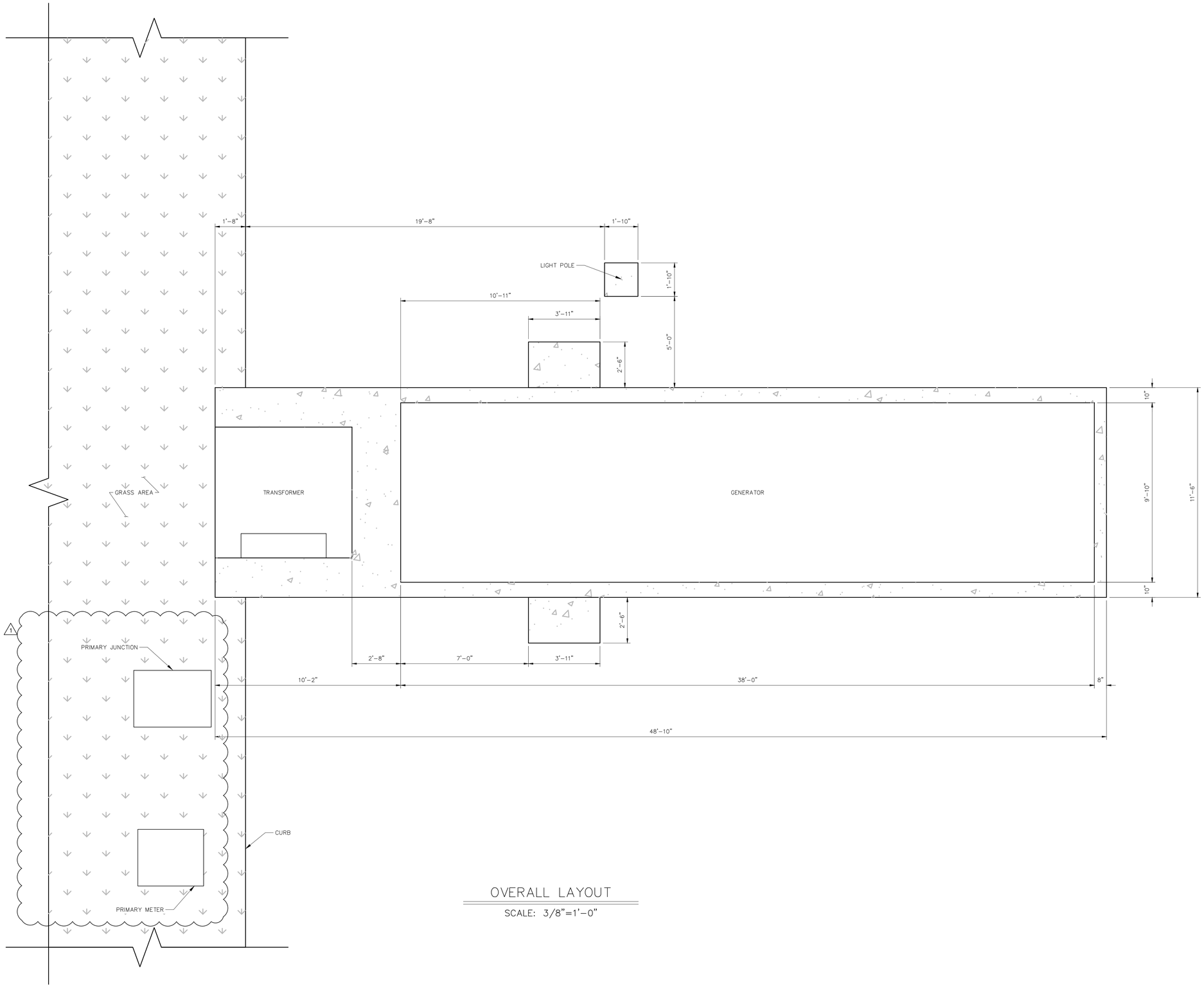
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|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |

PROJECT NAME: CITY OF ROCKY MOUNT ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE: CENTURY LINK GENERATOR PAD FOUNDATION DETAILS

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 3/8" = 1'–0" |
| FILE NUMBER: | 188 |
| SHEET: | FD1 |




OVERALL LAYOUT

SCALE: 3/8"=1'-0"

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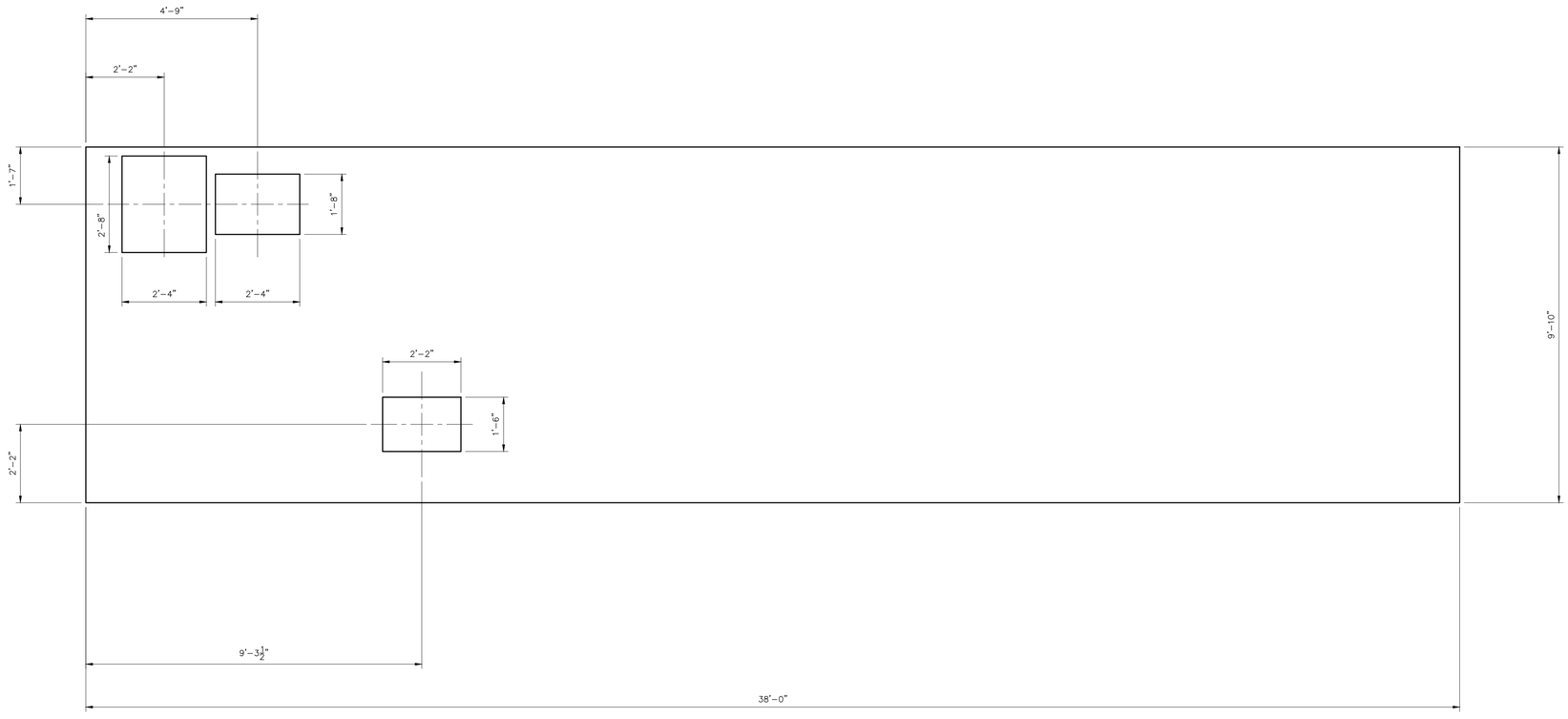
| NO. | REVISIONS | ENG. | DATE |
|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |
| 1 | PRIMARY METER AND PRIMARY JUNCTION UPDATE | MJM | 11/02/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 3/8" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP1




CONDUIT OPENINGS
IN GENERATOR PLAN

SCALE: 1/2"=1'-0"

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NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL
045262
MUSTAFA J. MANJIAN
9/29/2021

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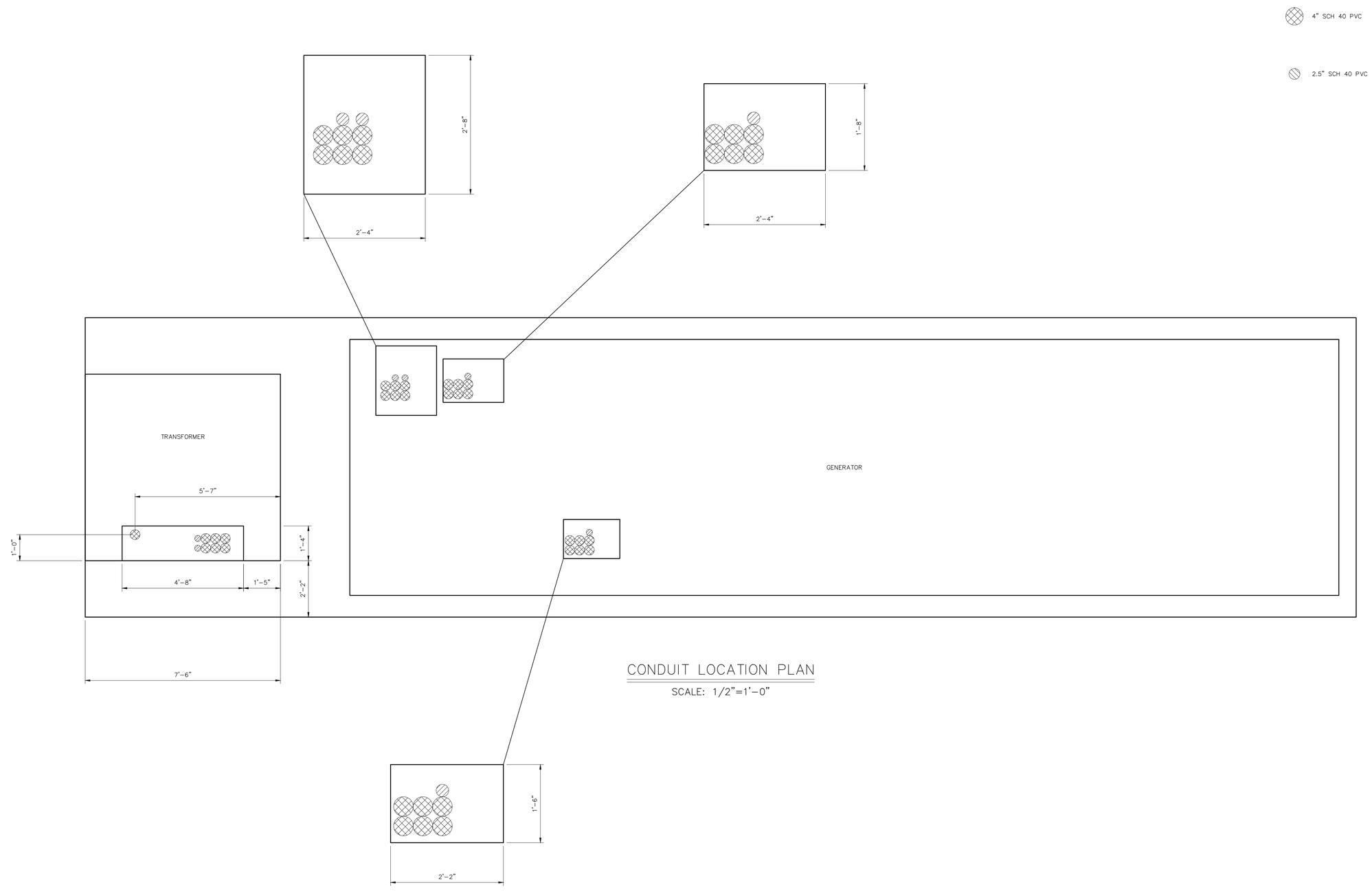
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PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP2




CONDUIT LOCATION PLAN

SCALE: 1/2"=1'-0"

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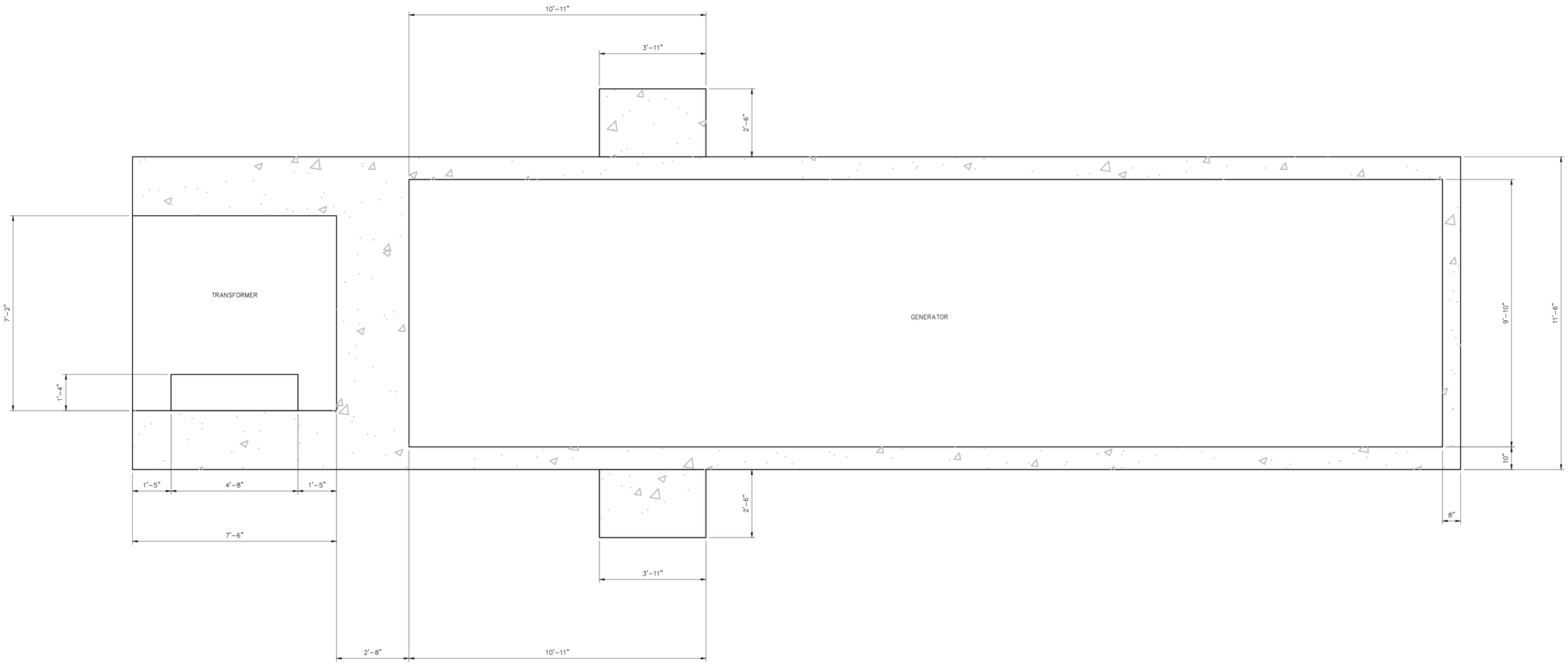
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| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP3




GENERATOR AND
TRANSFORMER PAD LAYOUT

SCALE: 1/2"=1'-0"

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|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
FOUNDATION PLAN

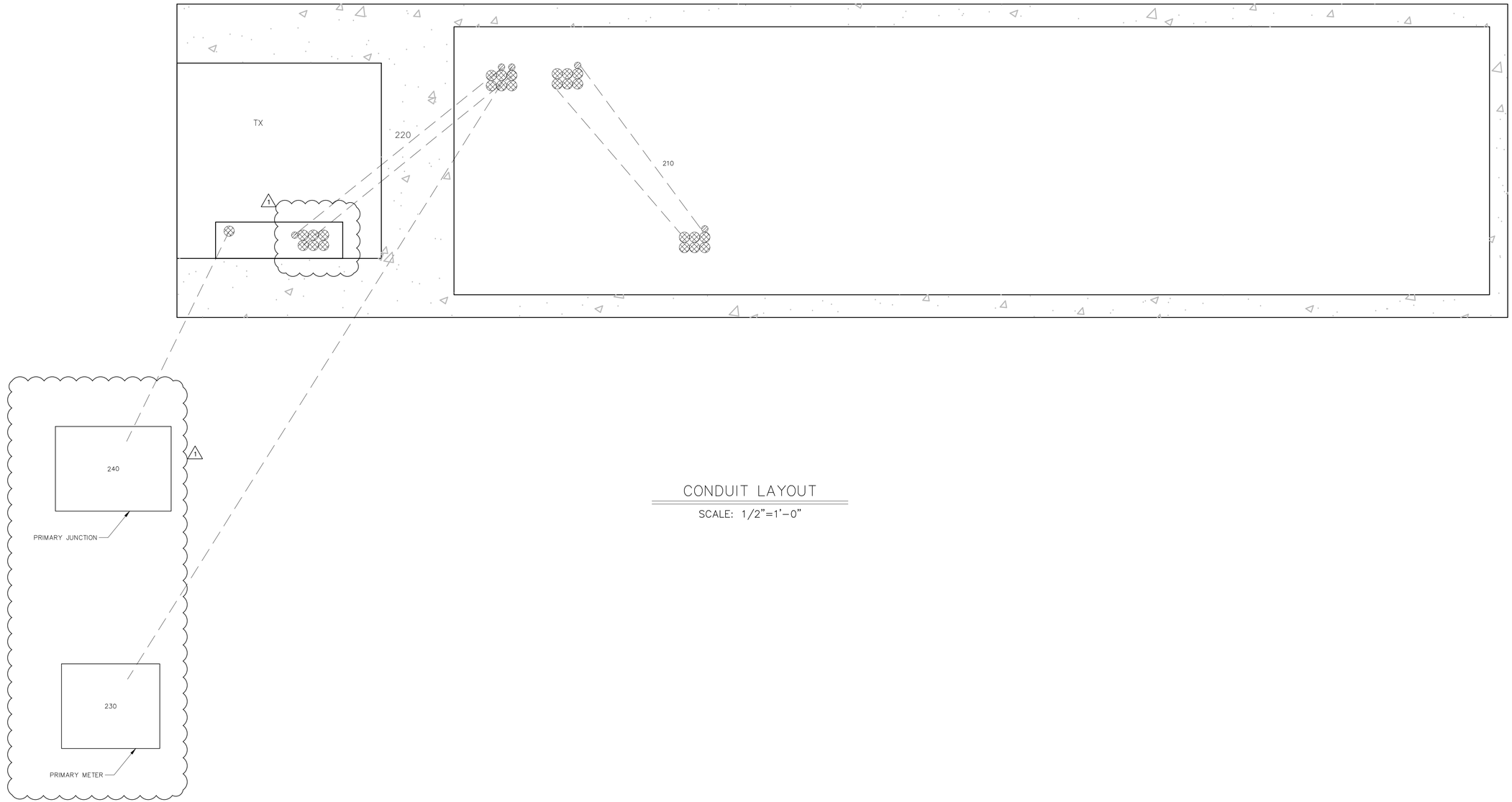
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|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP4

4" SCH 40 PVC

2.5" SCH 40 PVC

| CONDUIT GROUP | QUANTITY | SIZE | ORIGIN | DESTINATION | FUNCTION |
|---|---|---|---|---|---|
| 210 | 6 | 4" | GENERATOR | GENERATOR BKR | SECONDARY |
| | 1 | 2.5" | GENERATOR | GENERATOR BKR | CONTROLS |
| 220 | 6 | 4" | GENERATOR BKR | TRANSFORMER | SECONDARY |
| | 1 | 2.5" | GENERATOR BKR | TRANSFORMER | CONTROLS |
| 230 | 1 | 2.5" | GENERATOR BKR | PRIMARY METER | CONTROLS |
| 240 | 1 | 4" | TRANSFORMER | PRIMARY JUNCTION | PRIMARY |




CONDUIT LAYOUT

SCALE: 1/2"=1'-0"

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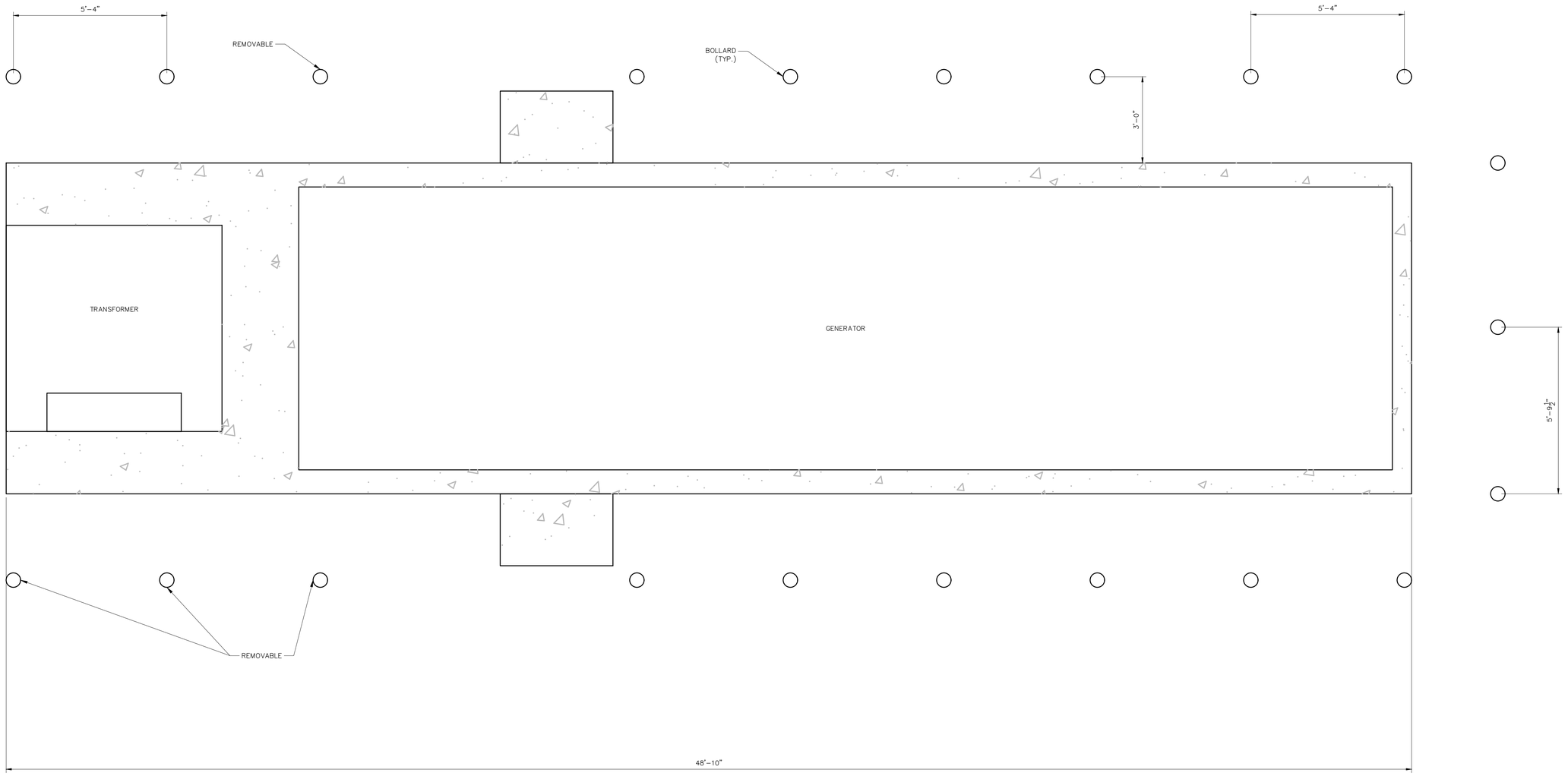
| NO. | REVISIONS | ENG. | DATE |
|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |
| 1 | PRIMARY METER, JUNCTION, AND CONDUIT UPDATE | MJM | 11/02/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP6




BOLLARD PLACEMENT PLAN

SCALE: 1/4"=1'-0"

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|---|---|---|---|
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PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

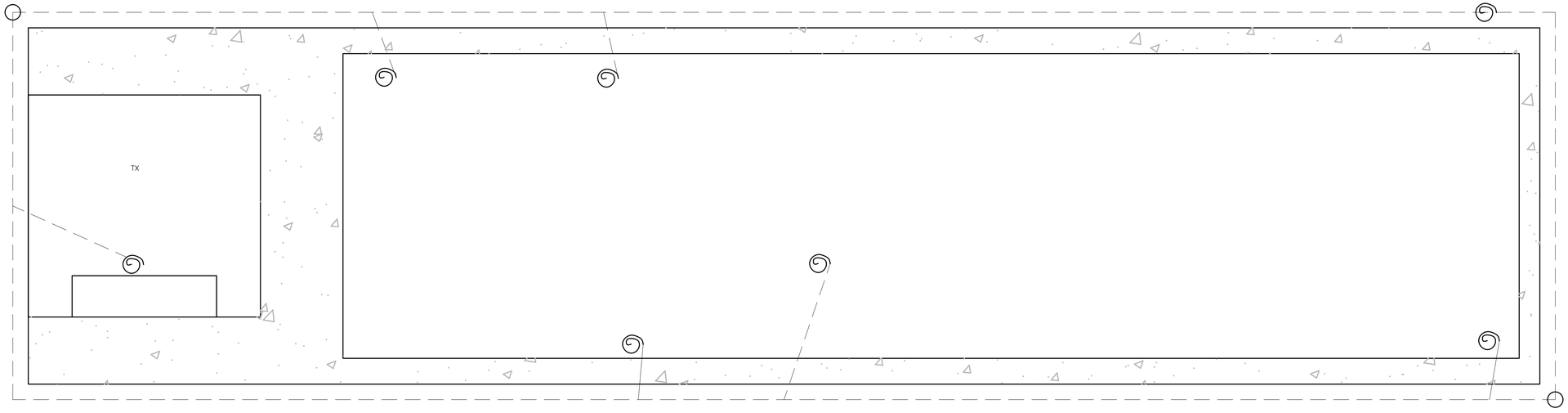
SHEET:
FP5

4/0 AWG S.D. BARE COPPER

3/4 DIA COPPER ROD 10' SECTION

25' OF 4/0 AWG S.D. BARE COPPER

COILED FOR FUTURE CONNECTION




GROUNDING AND LINE LAYOUT

SCALE: 1/4"=1'-0"

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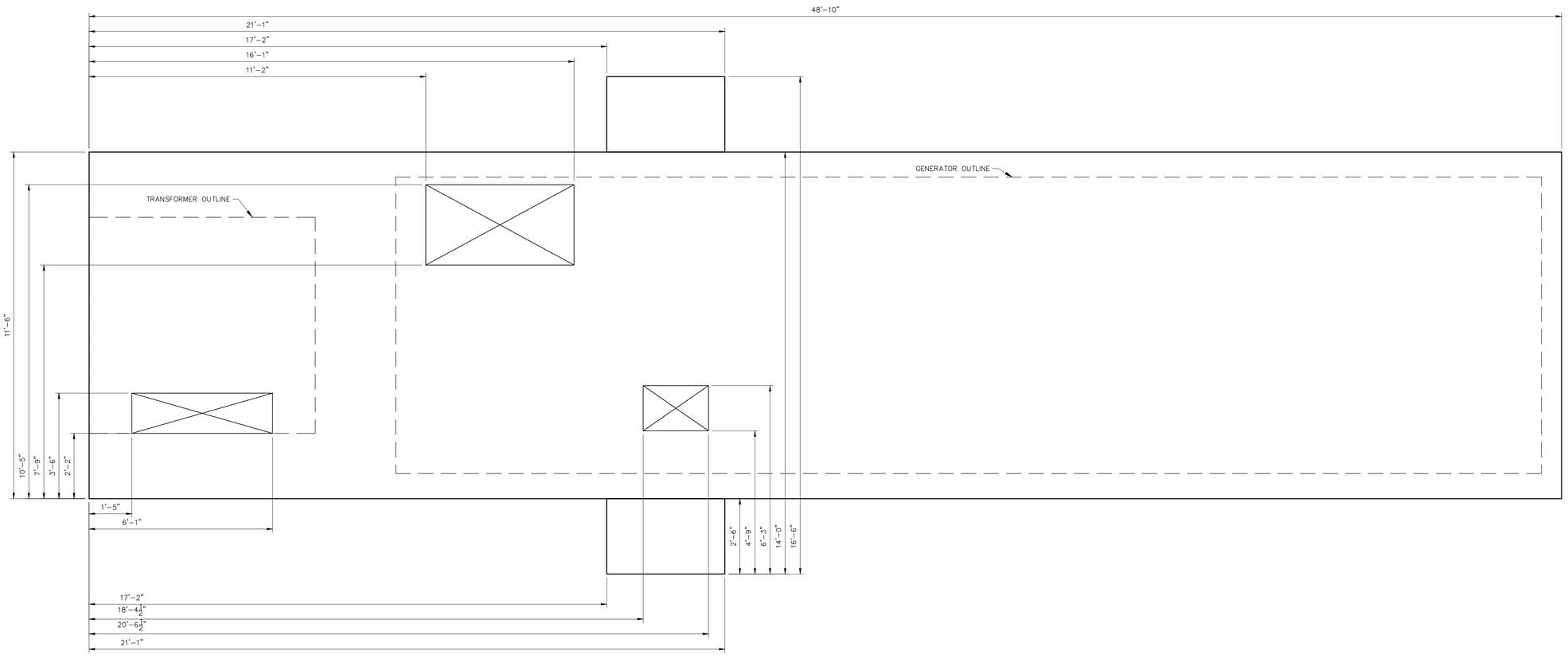
| NO. | REVISIONS | ENG. | DATE |
|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
FOUNDATION PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP7




PLAN

SCALE: 1/2"=1'-0"

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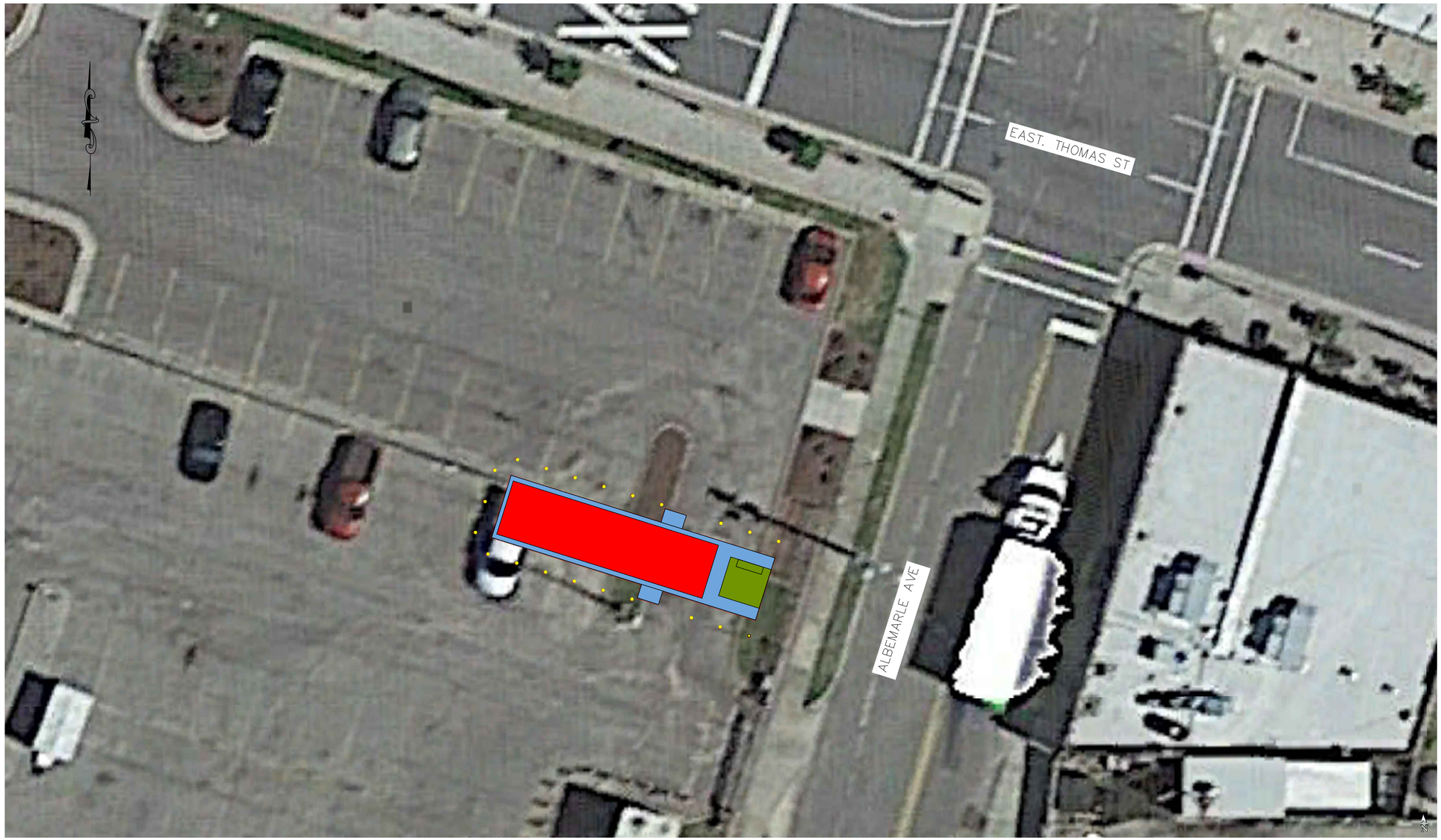
| NO. | REVISIONS | ENG. | DATE |
|---|---|---|---|
| 0 | ISSUED FOR CONSTRUCTION | MJM | 09/29/21 |

PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD FOUNDATION PLAN

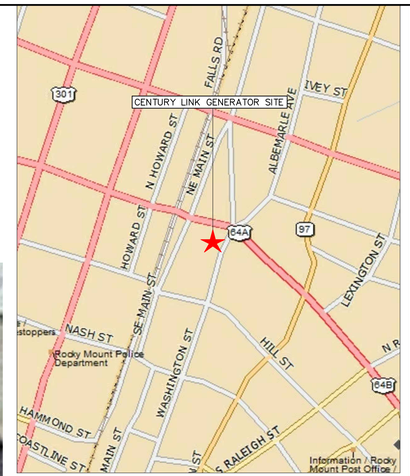
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|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1/2" = 1'-0" |
| FILE NUMBER: | 188 |

SHEET:
FP8




SITE PLAN

SCALE: 1" =10'-0"




VICINITY MAP

1" = 500'-0"

ROCKY MOUNT, EDGECOMBE COUNTY

LEGEND

- BOLLARD
- GENERATOR LOCATION
- TRANSFORMER LOCATION
- FOUNDATION PAD

SITE LOCATION

LATITUDE: N 35° 56' 36.78"
LONGITUDE: W 77° 47' 35.67"

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PROJECT NAME:
CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

DRAWING TITLE:
CENTURY LINK GENERATOR PAD
SITE PLAN

| | |
|---|---|
| DRAWN BY: | RLT |
| CHECKED BY: | VK |
| APPROVED BY: | MJM |
| DATE: | 09/29/21 |
| SCALE: | 1" = 10'-0" |
| FILE NUMBER: | 188 |

SHEET:
S-1