

**CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA**

**SPECIFICATIONS AND BID DOCUMENTS FOR
THE INSTALLATION OF THE
230 KV SOUTH POD SUBSTATION UPGRADES
ROCKY MOUNT, NORTH CAROLINA
BID # **RFP 320-270323AG****

ISSUED FOR BID

C -1 (R)

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**SPECIFICATIONS AND BID DOCUMENTS FOR
THE INSTALLATION OF THE
230 KV SOUTH POD SUBSTATION UPGRADES
ROCKY MOUNT, NORTH CAROLINA
BID # **RFP 320-270323AG****

ISSUED FOR BID

**Booth & Associates, LLC
Consulting Engineers
2300 Rexwoods Drive
Raleigh, NC 27607
Firm License No. F-0221**

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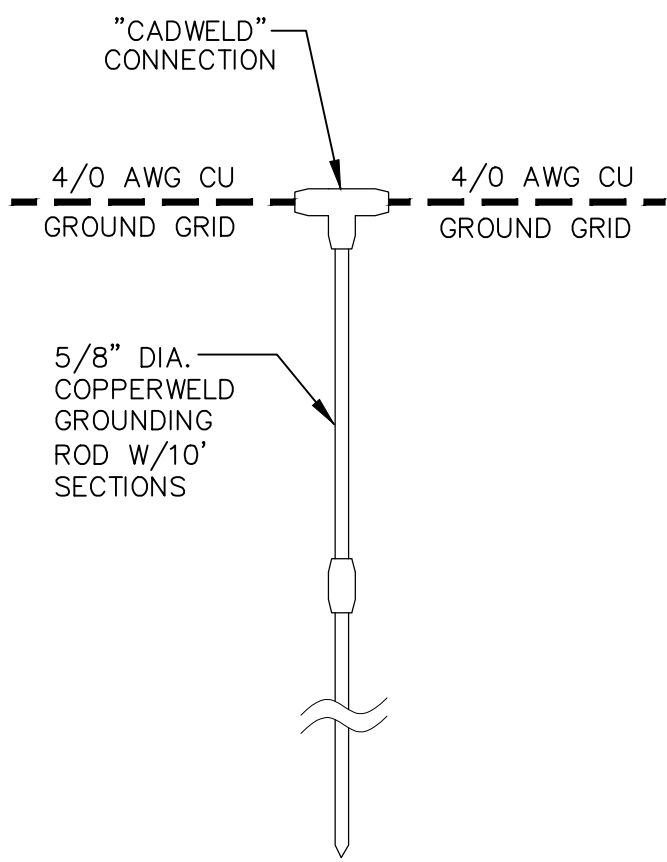
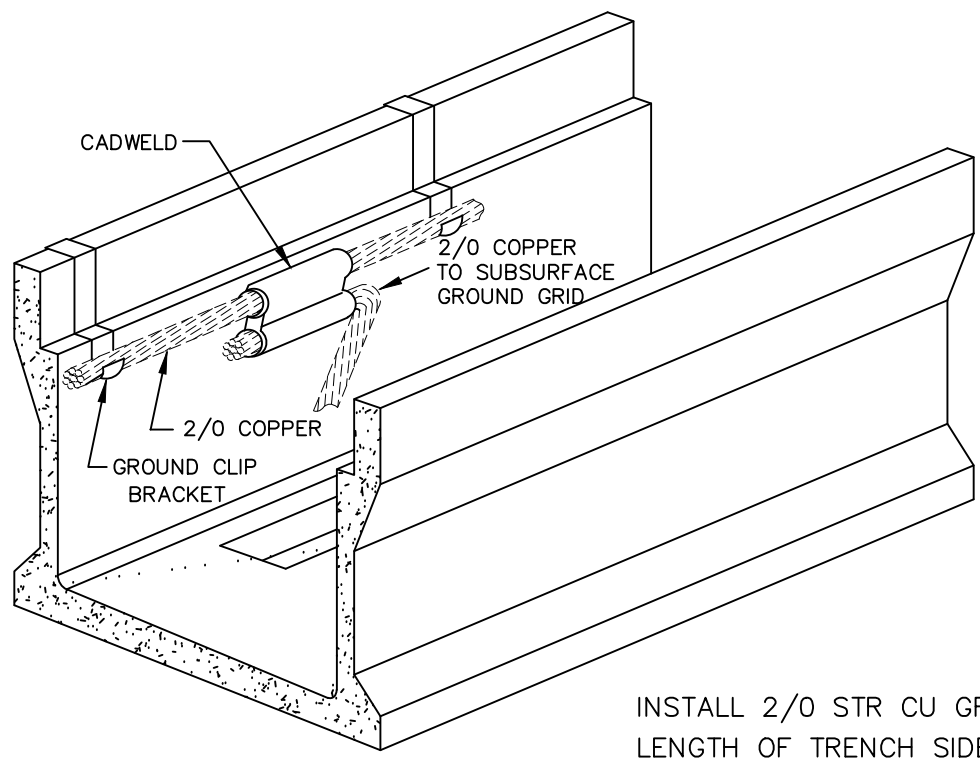
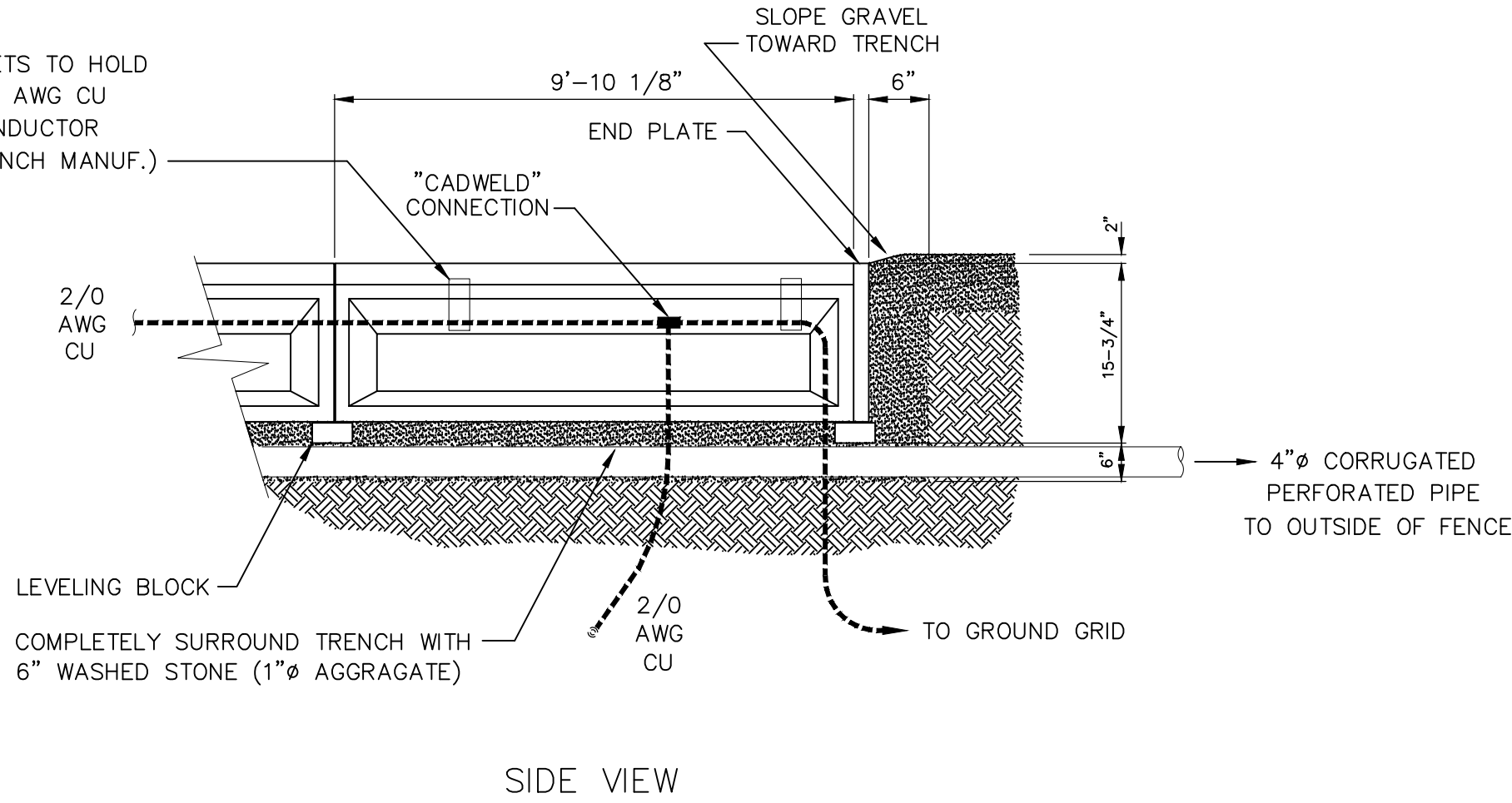
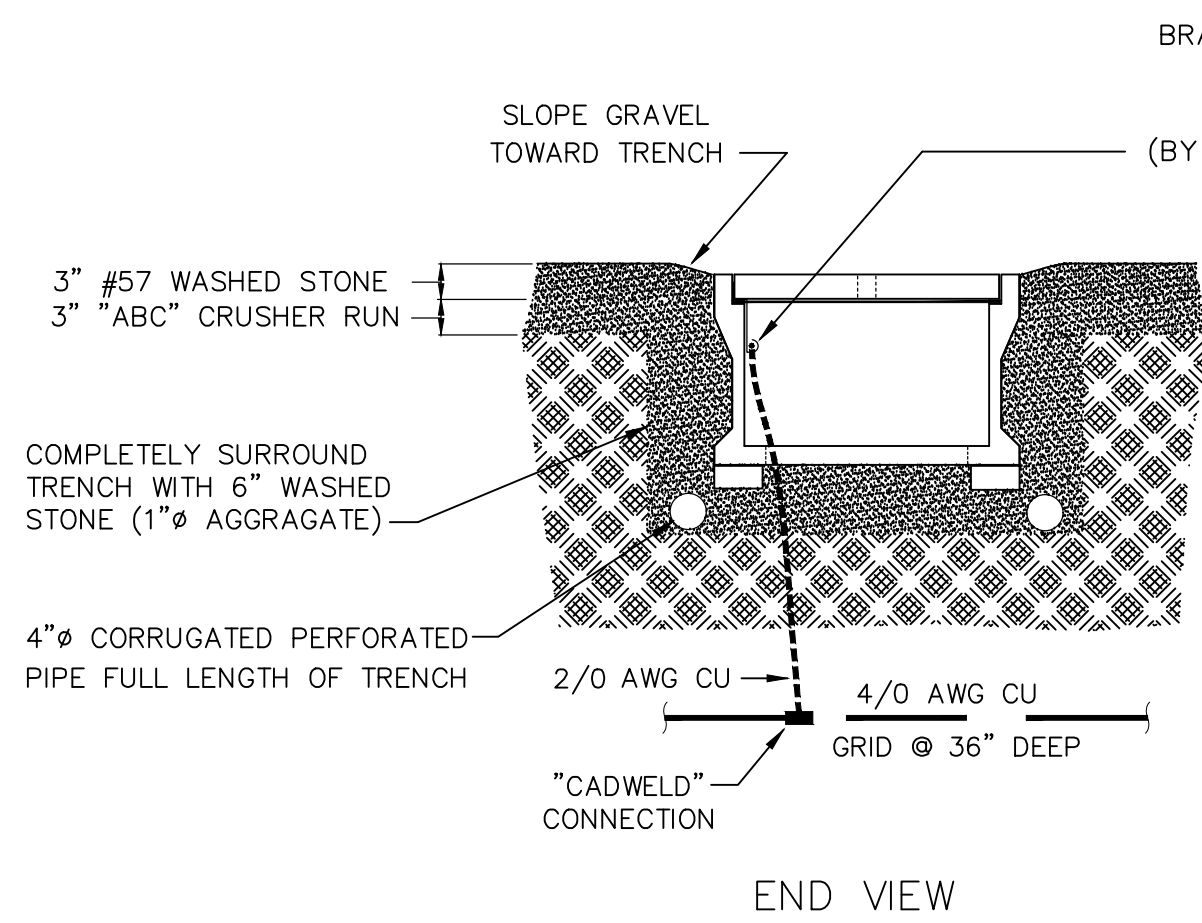
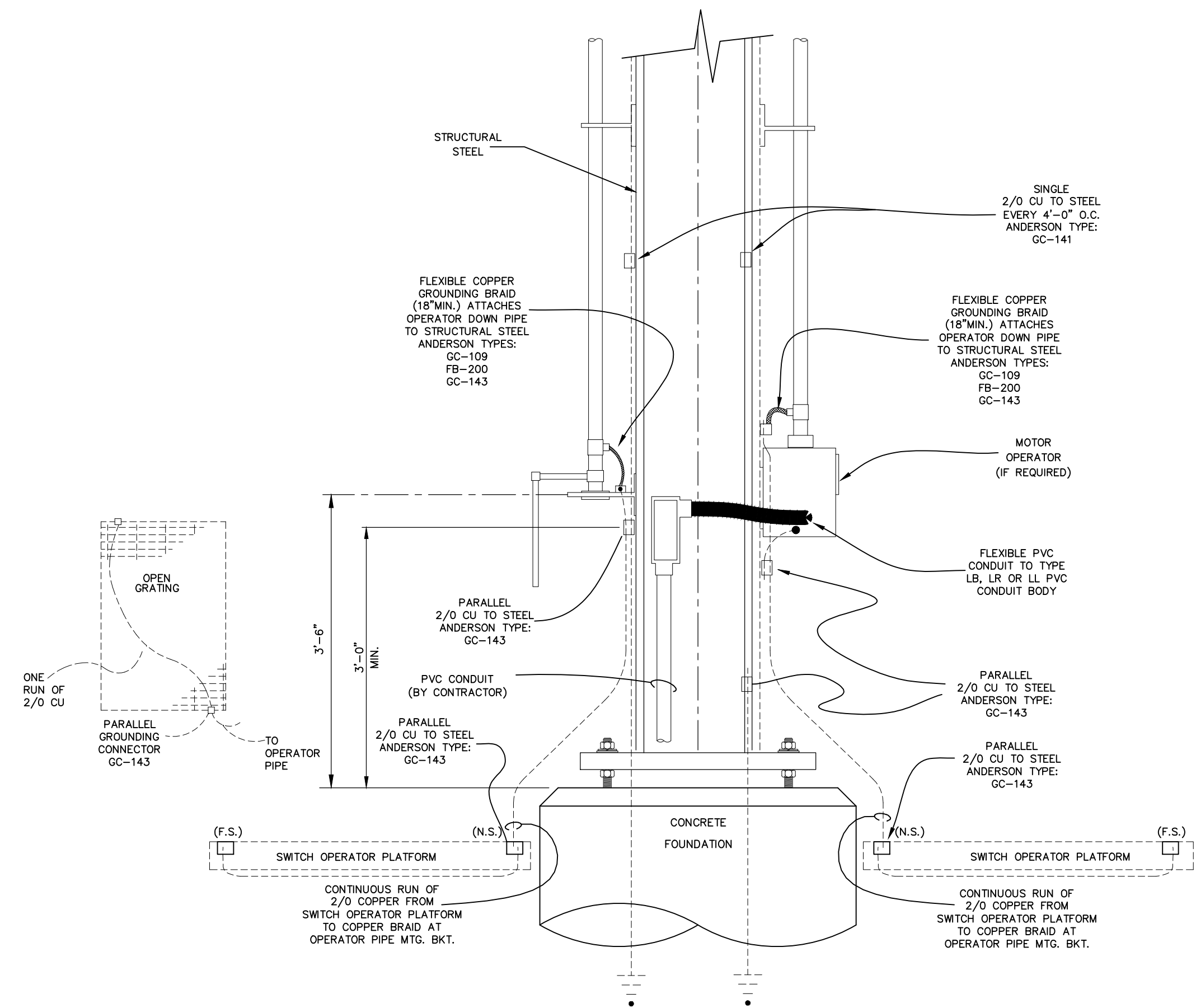
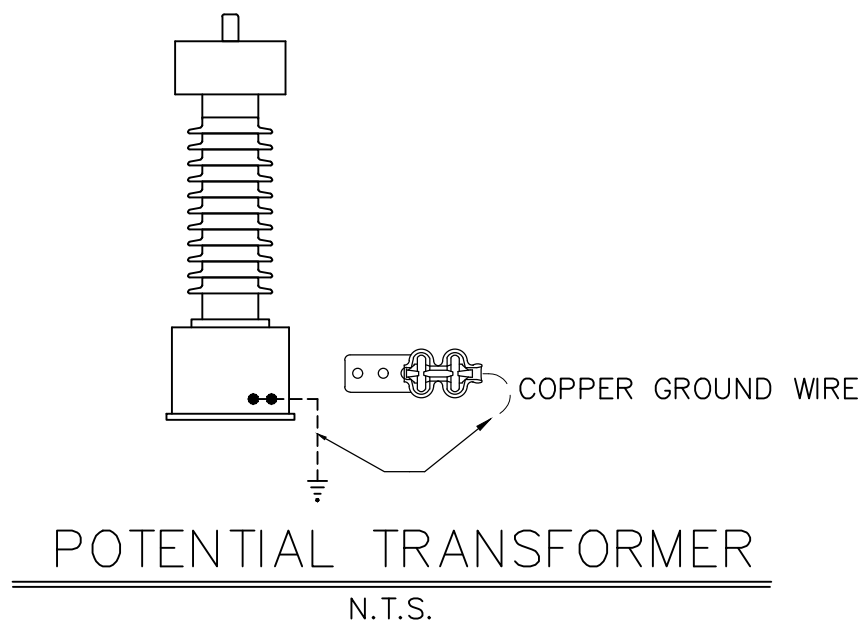
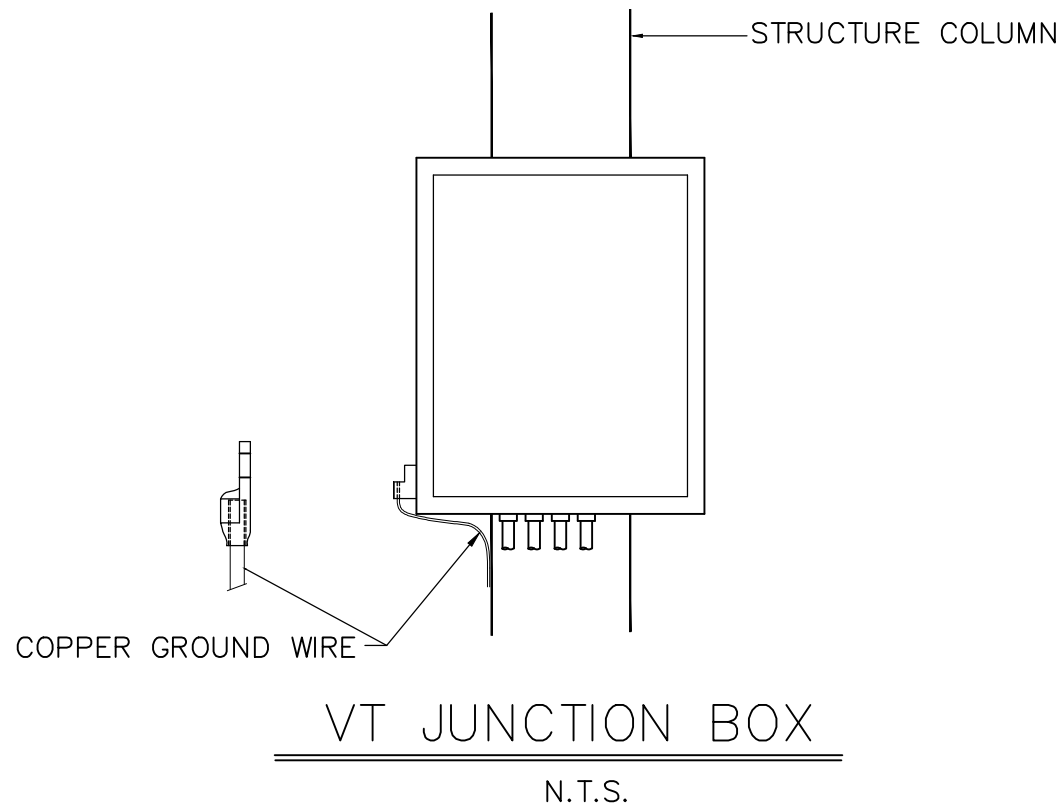
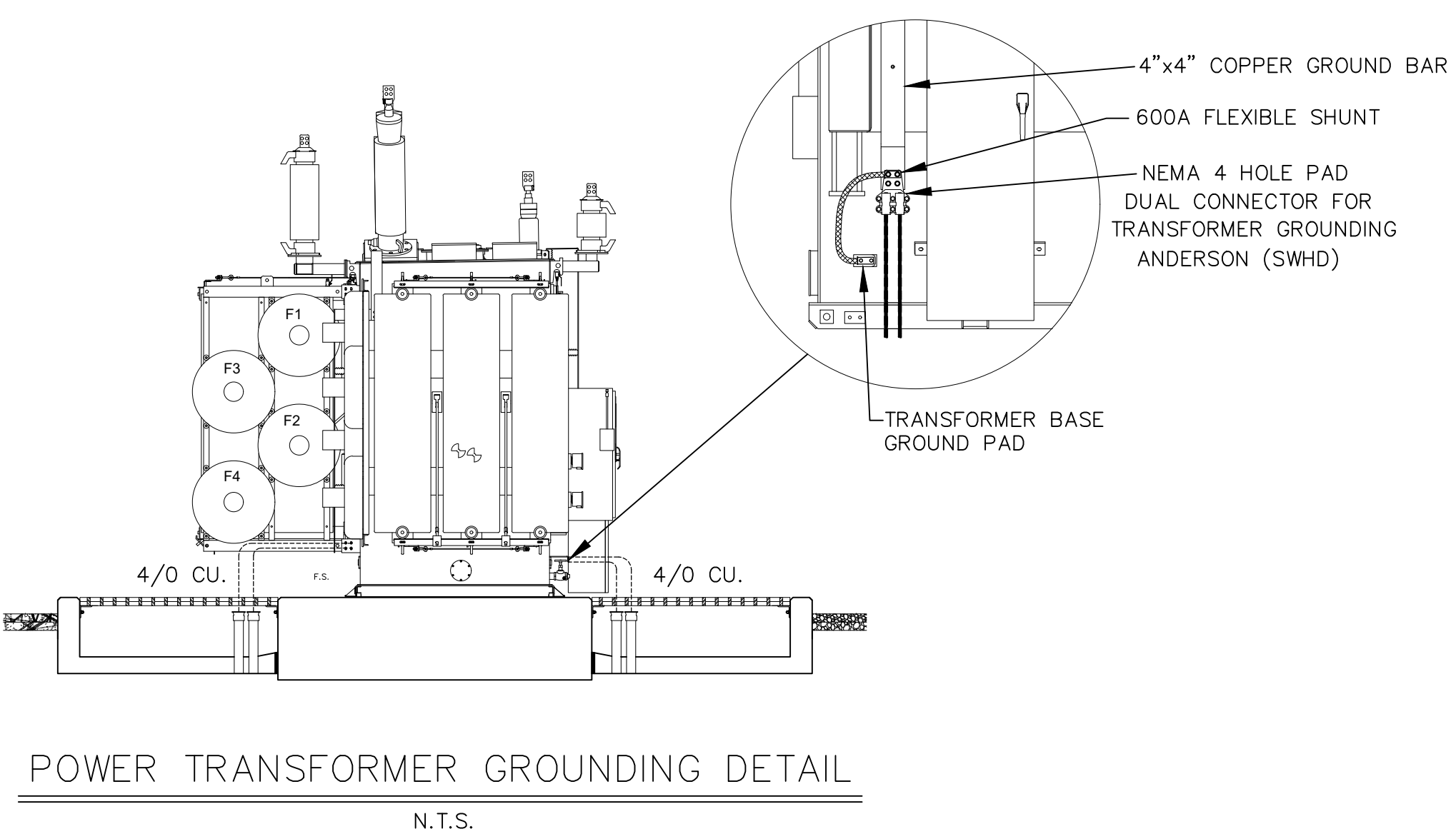
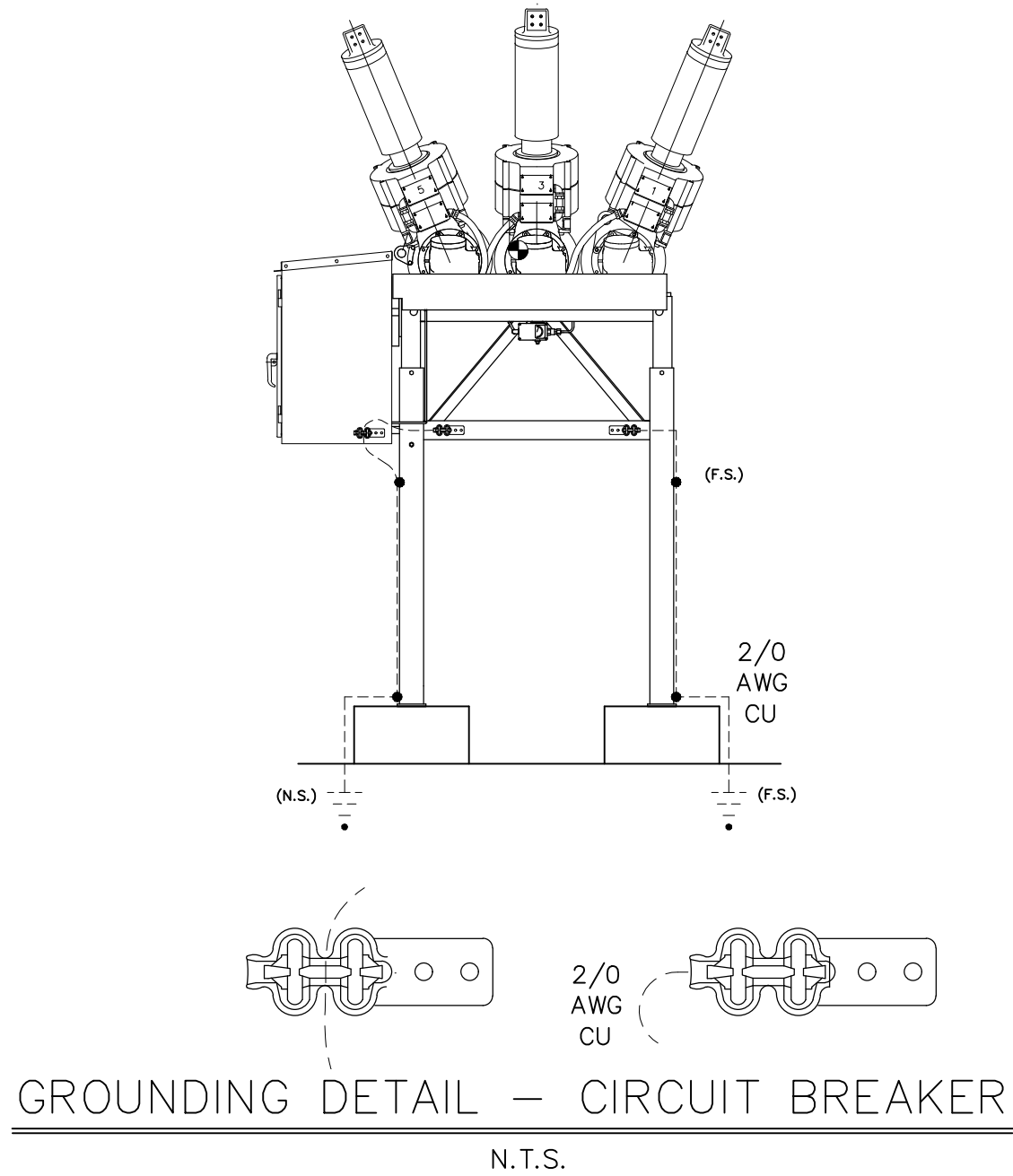
C – 2 (R)

BID DATES SCHEDULE
City of Rocky Mount, NC
BID # RFP 320-270323AG
230 KV South POD Substation Upgrades

No.	Item	Description
1	Bid Issue Date:	Wednesday, May 3, 2023
2	Owner's Contact on Bid:	Name: Alicia Gaines Phone: (252) 972-1227 Email: alicia.gaines@rockymountnc.gov
3	Mandatory Site Visit Meeting Date:	10:00 AM Wednesday, May 10, 2023
4	Address for submission of clarification requests on Bid Documents: Or Email to:	City of Rocky Mount 331 South Franklin Street Rocky Mount, NC 27804 Or alicia.gaines@rockymountnc.gov
5	Deadline for submission of questions and clarification requests on Bidding Documents:	4:00 PM Monday, May 15, 2023
6	Deadline for the City to respond to submitted questions	4:00 PM Thursday, May 18, 2023
7	Bid Closing Date and Time (Local Time):	2:00 PM Tuesday, May 23, 2023
8	Bid Submission Address, by Hand Delivery*: Bid Submission Address, by Mail:	City of Rocky Mount 331 South Franklin Street Rocky Mount, NC 27804 Or PO Box 1180 Rocky Mount, NC 27802-1180
9	Bids received after the “Bid Closing Date and Time”:	Shall not be accepted and shall be returned closed to the bidder.
10	Bid Opening Date & Time (Local Time):	2:00 PM Tuesday, May 23, 2023
11	Bid Opening Location:	First Floor Atrium City of Rocky Mount 331 South Franklin Street Rocky Mount, NC 27804
12	Validity of Bids:	Bids shall be valid for a period of 60 days after the Bid Closing Date.
13	Validity of Bid Security:	The Bid Security shall be valid for 60 days beyond the validity date of the Bid.
14	Delivery Date:	September 2023
15	Performance Bond:	Required
16	Warranty/Guaranty Period:	2 years

Bid updates can be found at the City website at <https://rockymountnc.gov/services-finance-bids/>

***Final Submissions cannot be submitted electronically and must be delivered to the purchasing office as described on page N-1)**



- NOTES:
1. COPPER BRAIDS, ATTACHMENT FITTINGS AND PLATFORM TO BE PROVIDED BY FABRICATOR.
 2. ANY DEVIATIONS FROM FITTING TYPES OR MANUF. TO BE APPROVED BY ENGINEER.
 3. SWITCH GROUND PLATFORM TO BE GALVANIZED STEEL, OPEN GRID, 4'-0" x 3'-0" MINIMUM.

GROUNDING DETAIL FOR GOABS & MOABS
N.T.S.

GROUND CLIP DETAIL
N.T.S.

INSTALL 2/0 STR CU GROUND WIRE ALONG ENTIRE LENGTH OF TRENCH SIDEWALL, SUPPORTED BY GROUND CLIP BRACKETS
BOND 2/0 TO GROUND GRID AT EACH INTERSECTION ALONG LENGTH OF TRENCH

GROUND ROD DETAIL
N.T.S.

ROCKY MOUNT
THE CENTER OF IT ALL

Booth & Associates
581 Glenwood Avenue, Raleigh, NC 27602
NC F-0221

PRELIMINARY -
DO NOT USE FOR
CONSTRUCTION

NO.	DATE	ENG.	DATE	REV.
A	5/18/23	MJW		

CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA

ROCKY MOUNT SOUTH POD 230KV
GROUNDING DETAILS

CLIENT NAME:

DRAWN BY: JRT

CHECKED BY: JBS

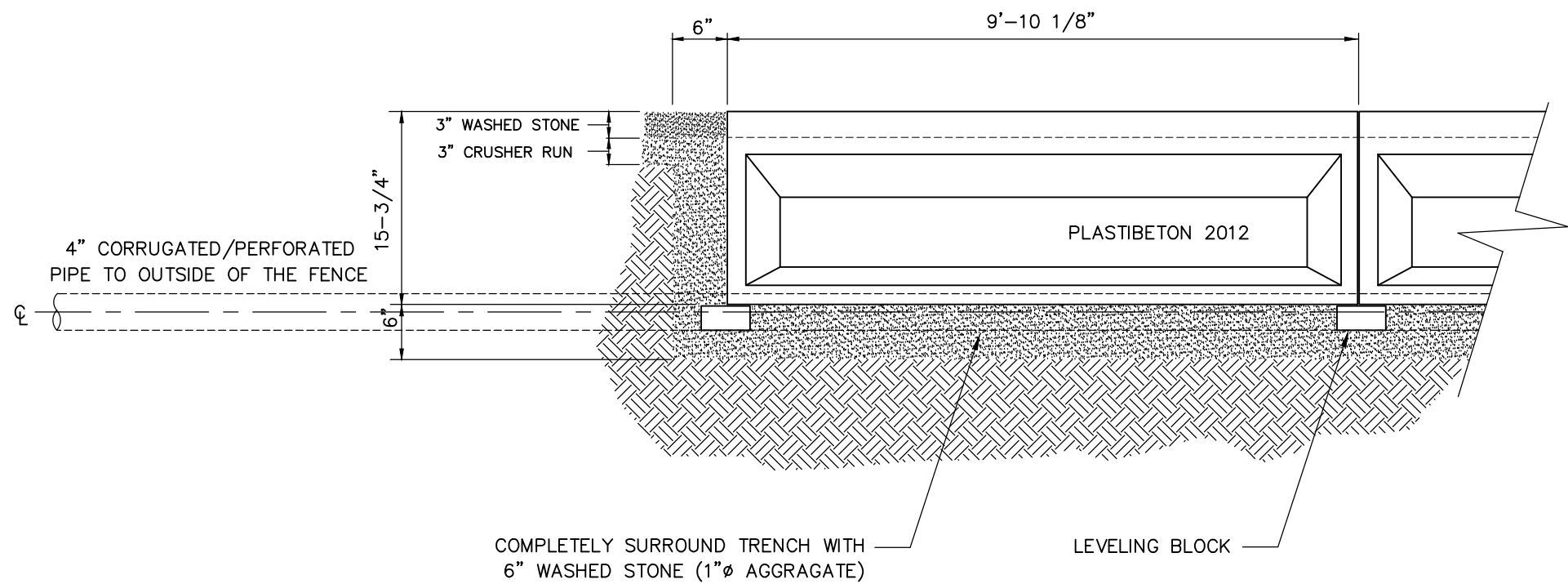
APPROVED BY: MJW

DATE: 5/17/23

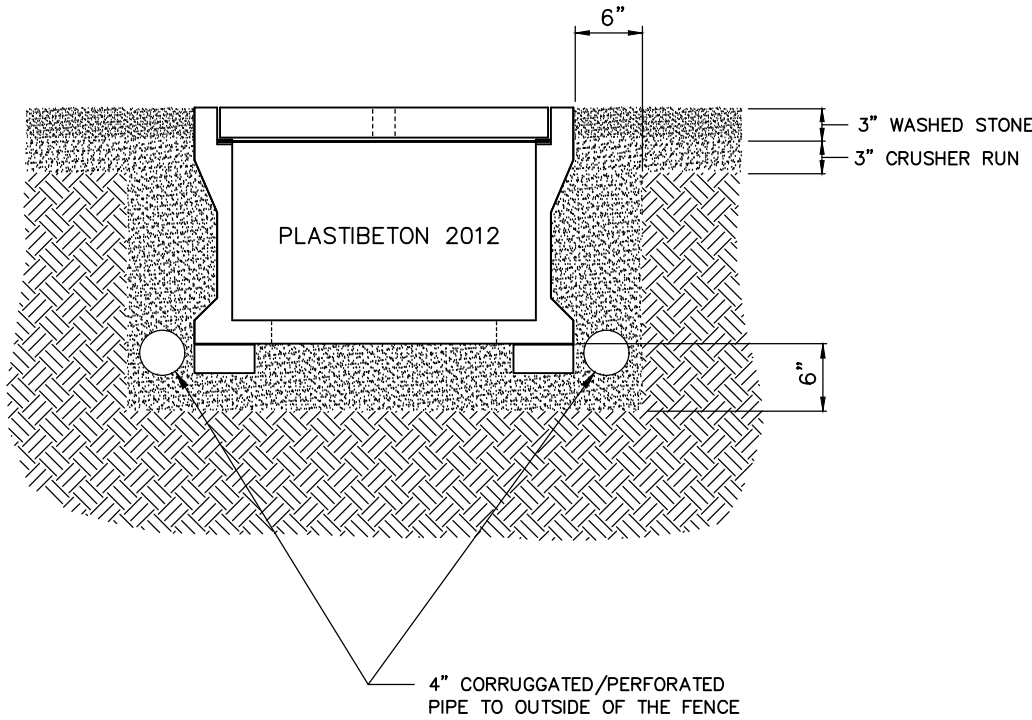
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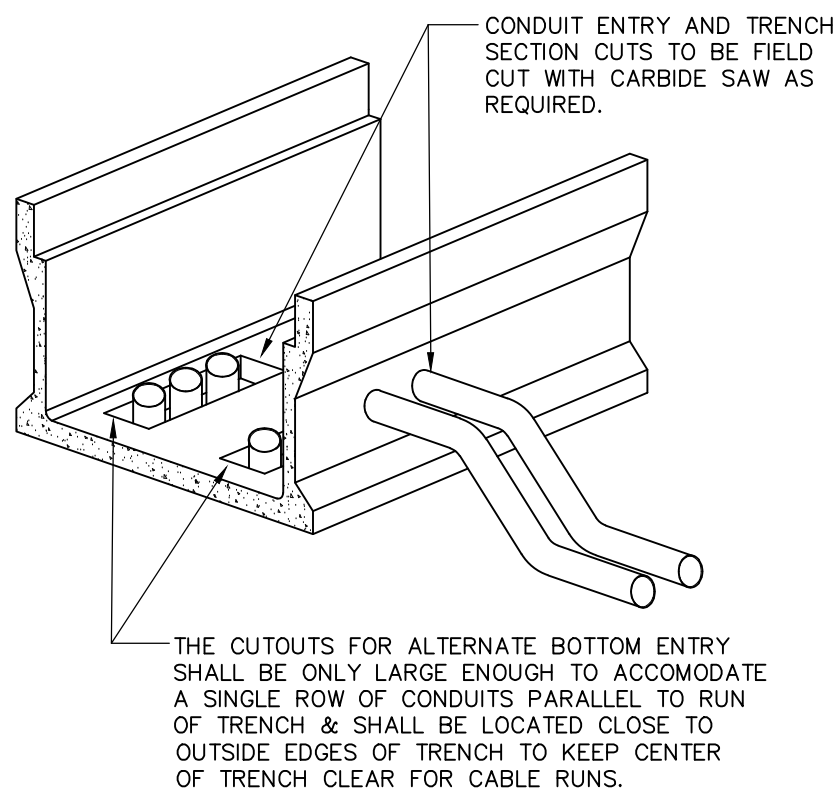
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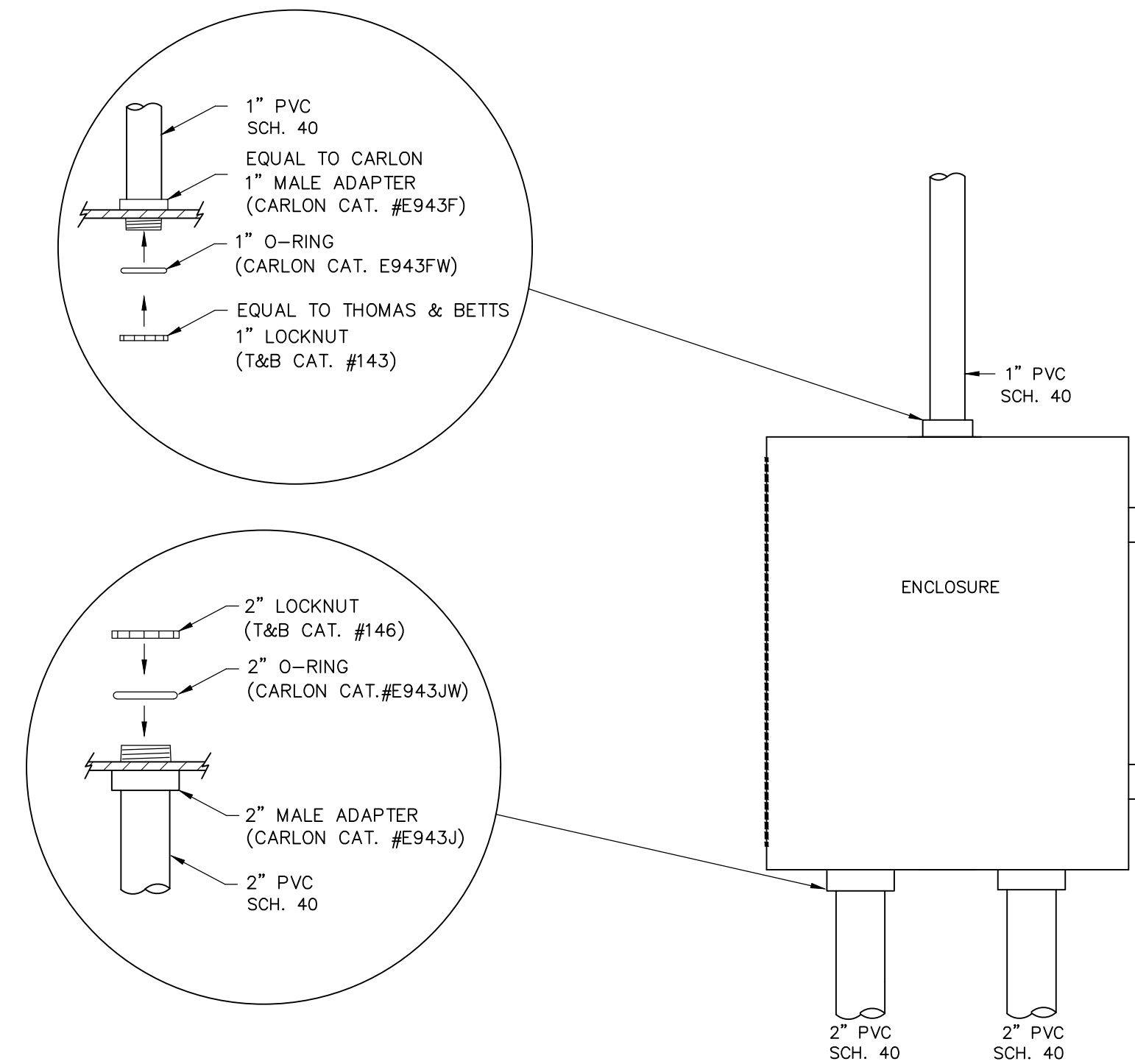
CABLE TRENCH DETAIL
N.T.S.



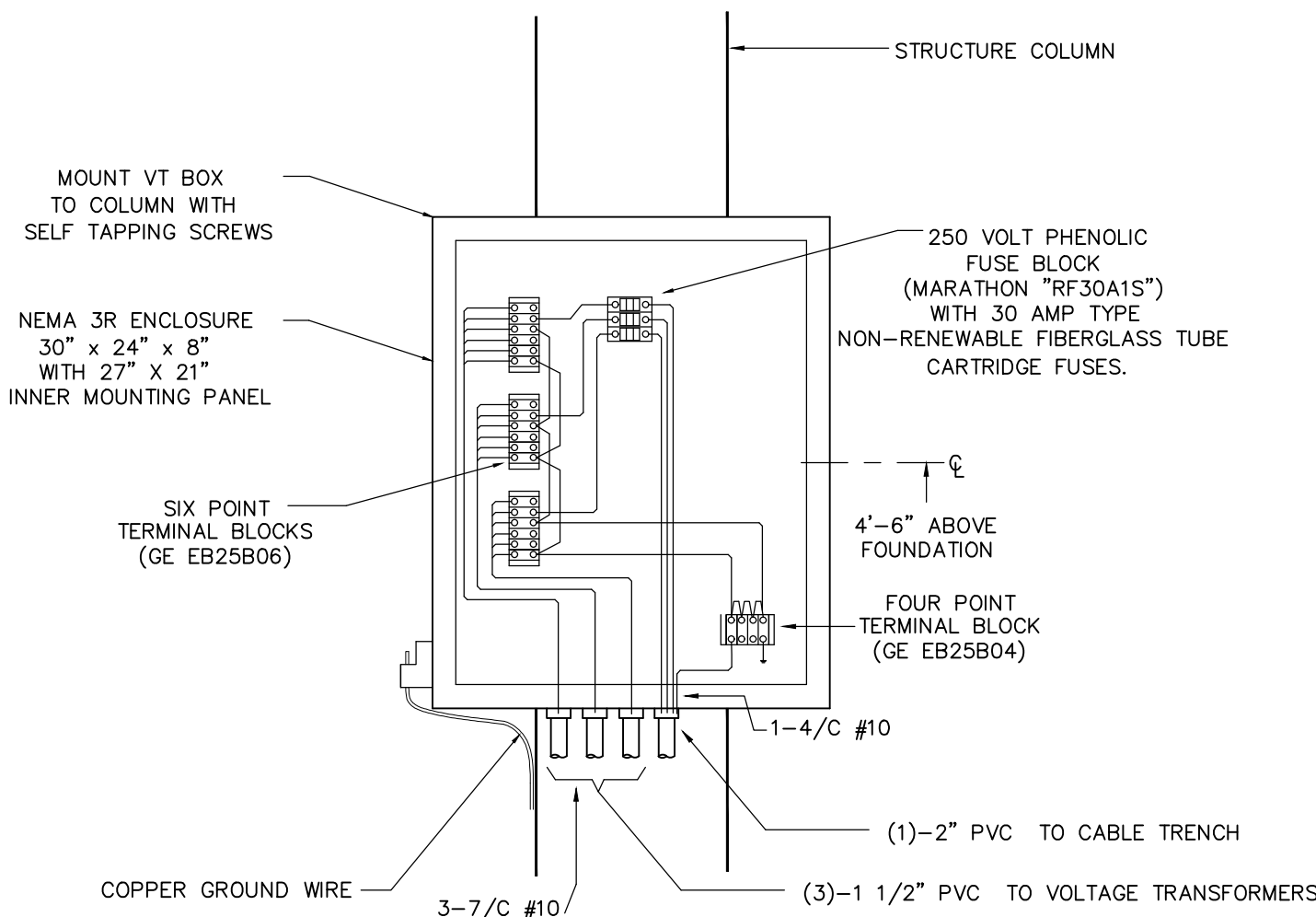
CABLE TRENCH DETAIL
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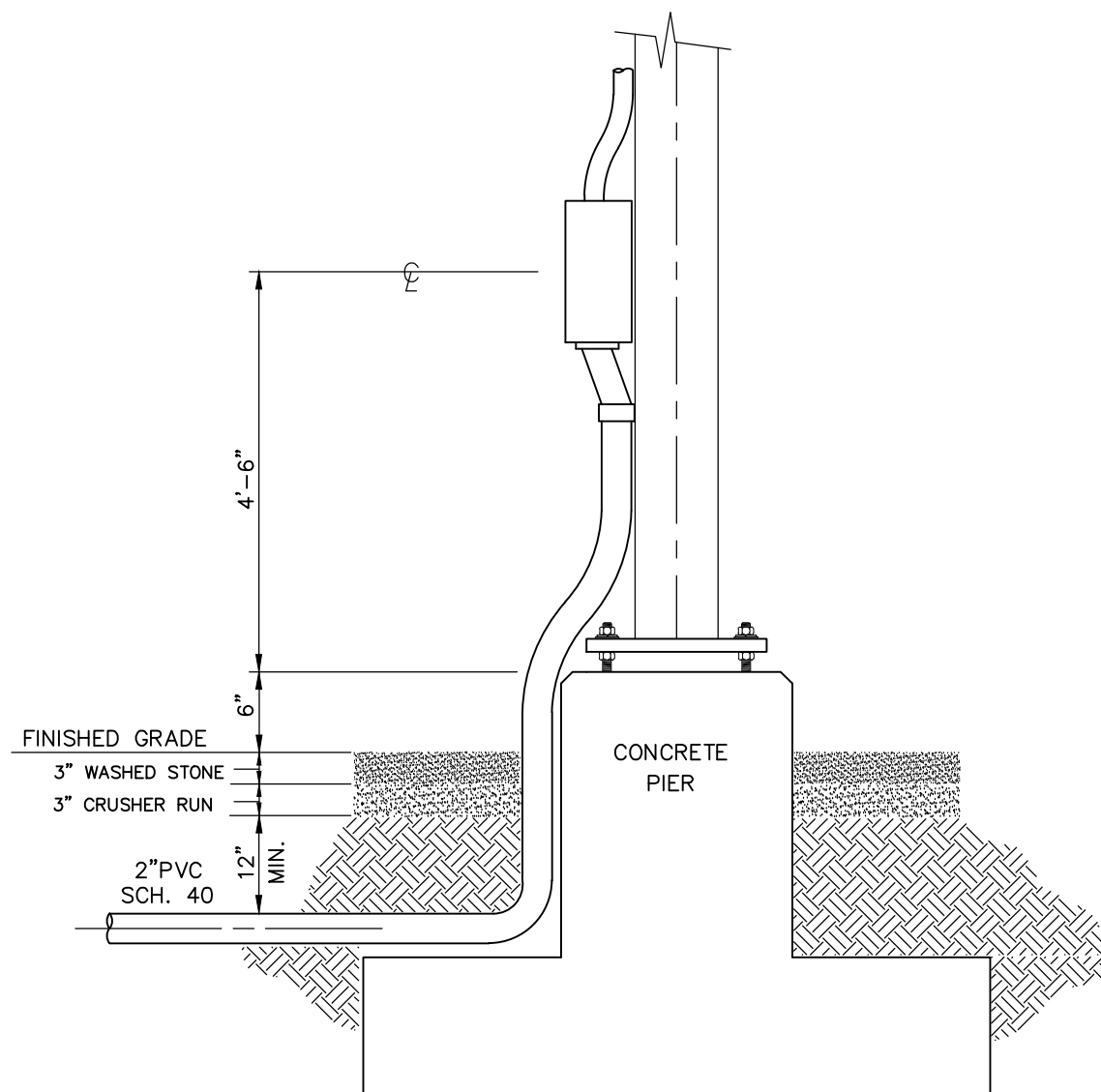
CONDUIT ENTRY
N.T.S.



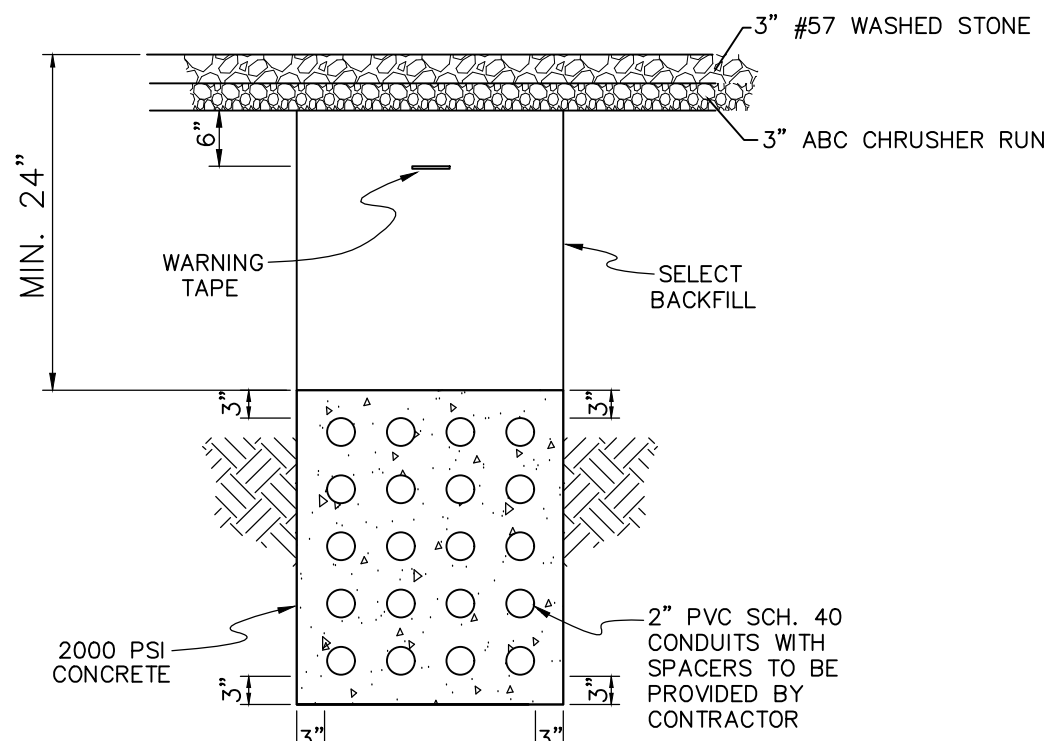
TYPICAL ENCLOSURE ENTRY
N.T.S.



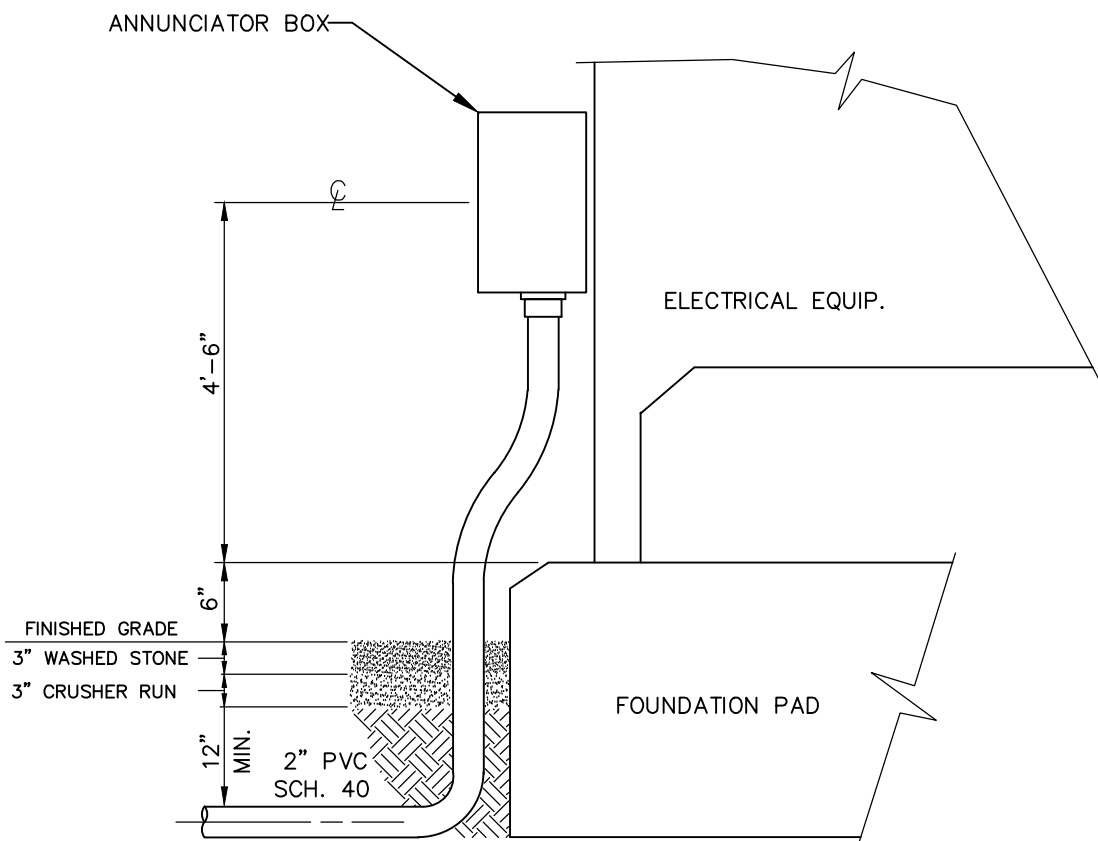
VT JUNCTION BOX
N.T.S.



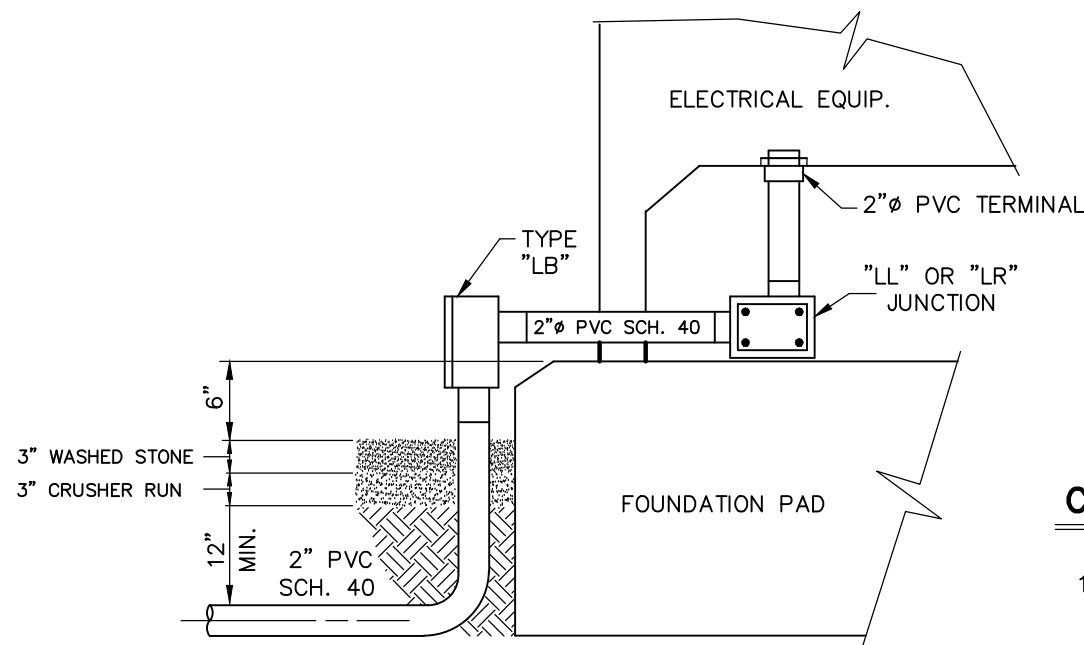
**CONDUIT ENTRY
FOR SUBSTATION YARD STRUCTURES**
N.T.S.



**DUCT BANK DETAIL
CONDUITS CONCRETE ENCASED**
N.T.S.



**CONDUIT ENTRY
FOR SUBSTATION ELECTRICAL EQUIPMENT**
N.T.S.



**CONDUIT ENTRY
FOR BREAKER**
N.T.S.

CONDUIT SYSTEM NOTES:

- ALL CONDUITS, FITTINGS, BOXES, ENCLOSURES, COUPLINGS AND MISCELLANEOUS CONDUIT MATERIALS SHALL BE FURNISHED BY THE SUBSTATION CONTRACTOR, EXCEPT WHERE NOTED OTHERWISE.
- INSTALLATION OF CONDUIT, CABLE, AND CABLE TERMINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ELECTRICAL DEVICES (LIGHTS, RECEPTACLES, WIRE, LUGS, WIRE NUTS, ETC.) SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL OPEN CONDUIT STUBS EXPOSED TO WEATHER SHALL BE TAPED OR CAPPED UNTIL TERMINATION IS COMPLETED.
- CONDUIT ARE TO BE 2" PVC SCH. 40 UNLESS SPECIFIED OTHERWISE.
- CONDUITS FOR FUTURE CABLE INSTALLATION SHALL HAVE A PULL STRING INSTALLED AND SHALL BE CAPPED AT BOTH ENDS BY CONTRACTOR.



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NO.	ISSUED FOR BIDS	REVISIONS	ENG.	DATE
A			MJW	5/18/23

**CITY OF ROCKY MOUNT
ROCKY MOUNT, NORTH CAROLINA**

**ROCKY MOUNT SOUTH POD 230KV
CONDUIT DETAILS**

CLIENT NAME:

STATION NAME:

DRAWN BY:	JRT
CHECKED BY:	JBS
APPROVED BY:	MJW
DATE:	5/17/23
SCALE:	NONE
FILE NUMBER:	18899
SHEET:	CP3