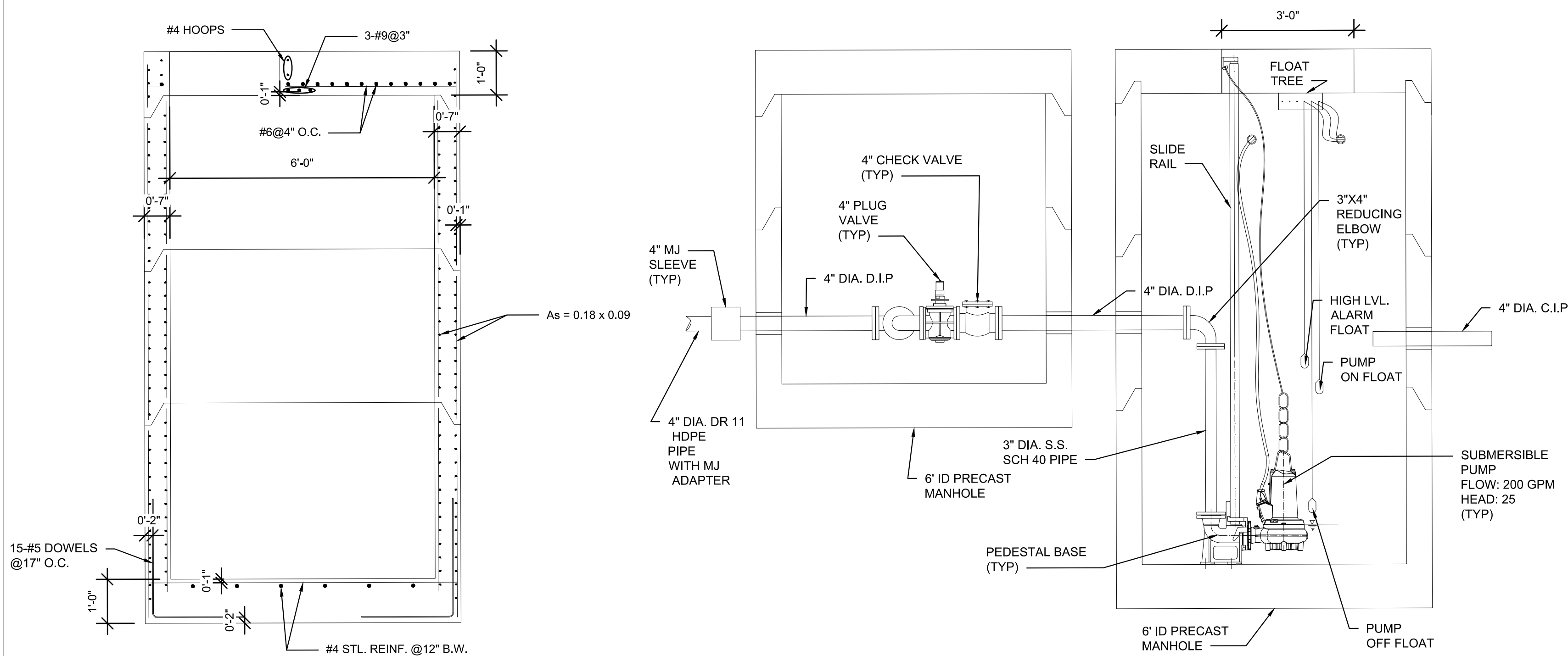
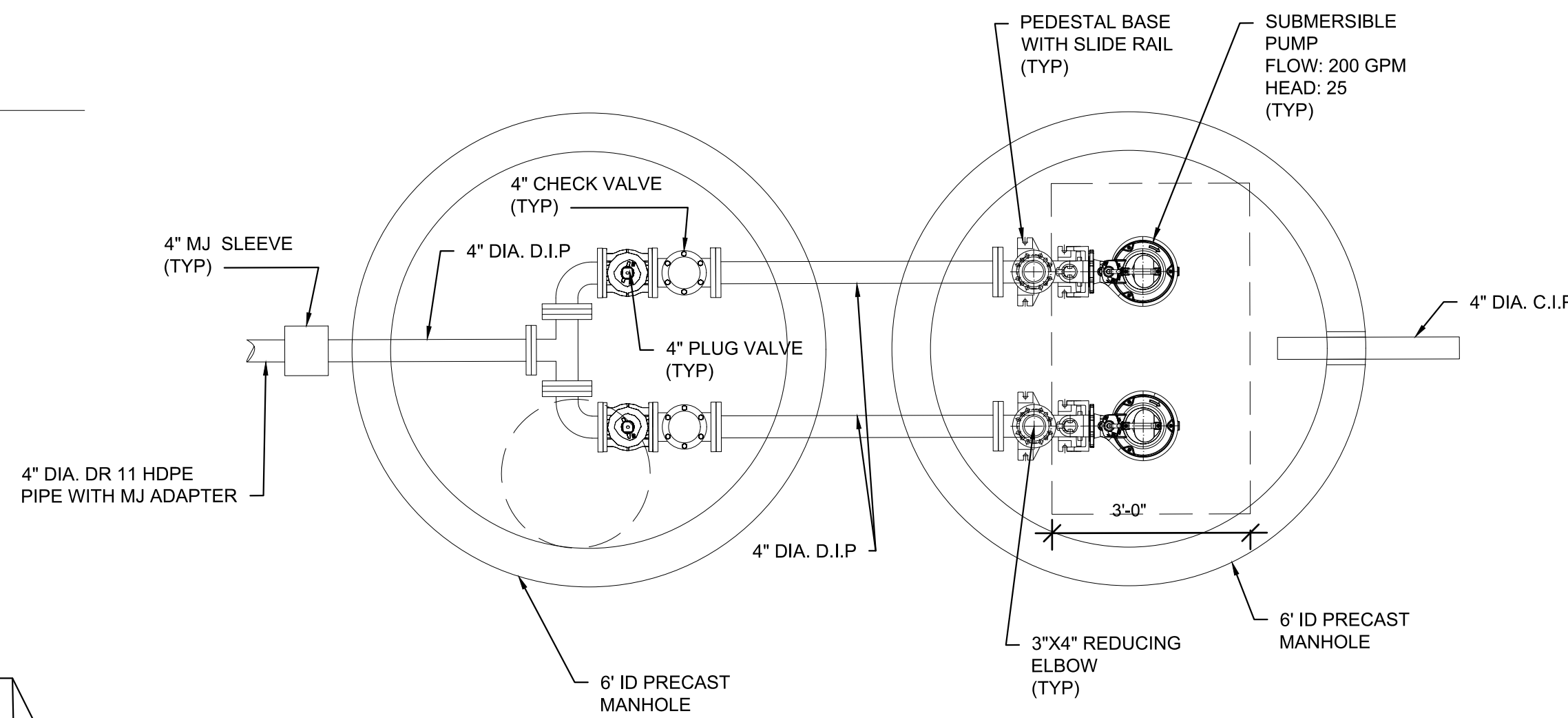


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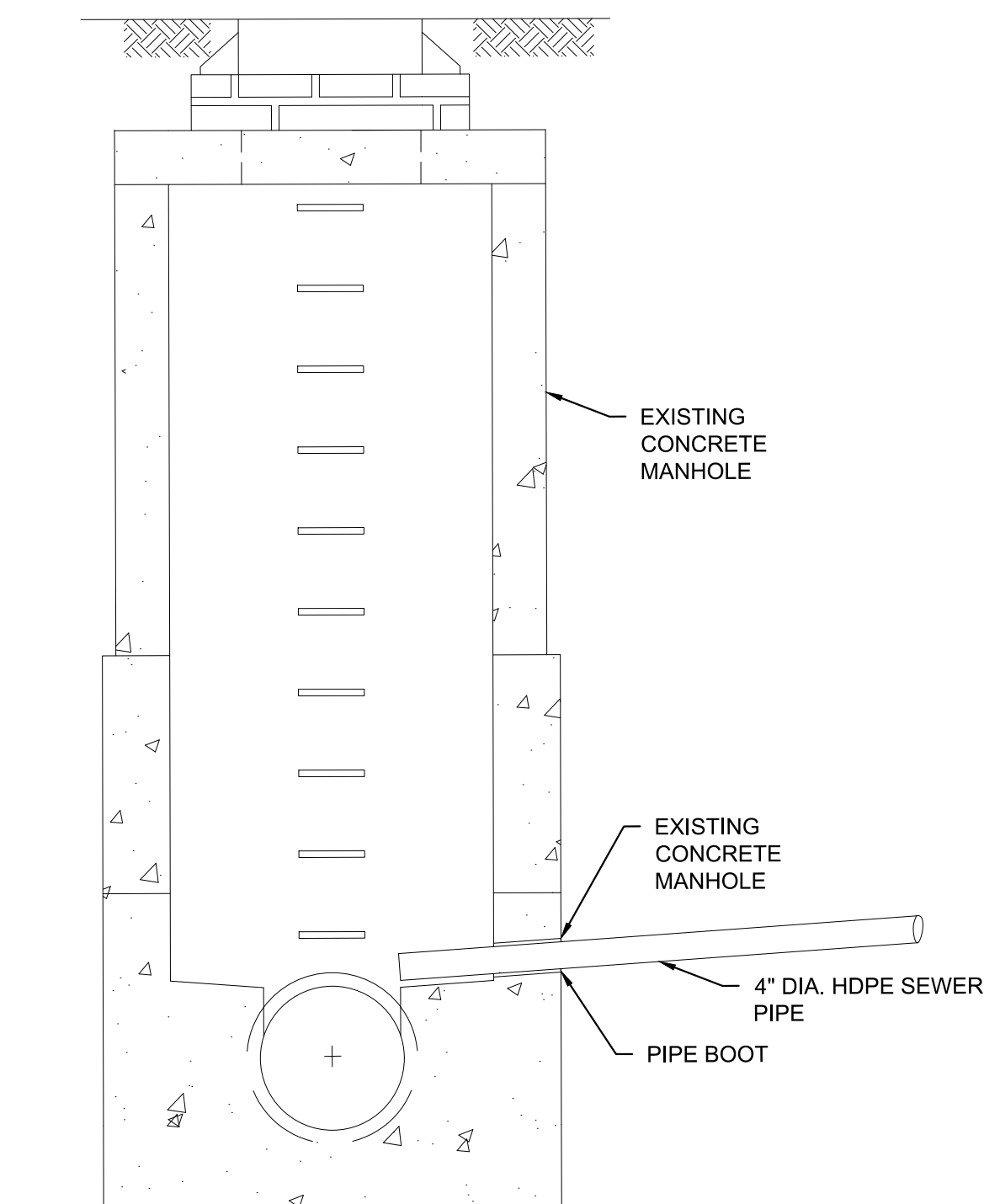
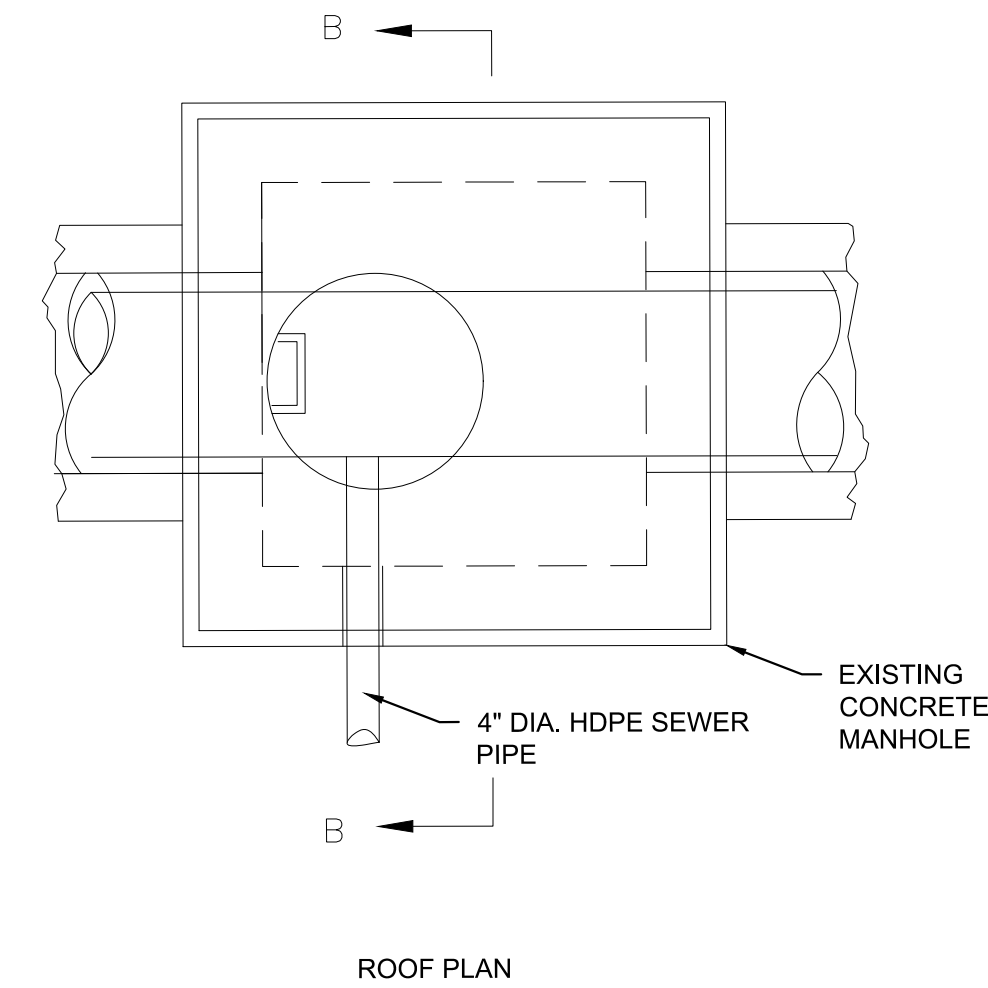


1 STANDARD FOR 6'-0" DIAMETER PRECAST MANHOLE (MONOLITHIC TOP SECTION AND BOTTOM SLAB)
C-217.00 SCALE: NTS

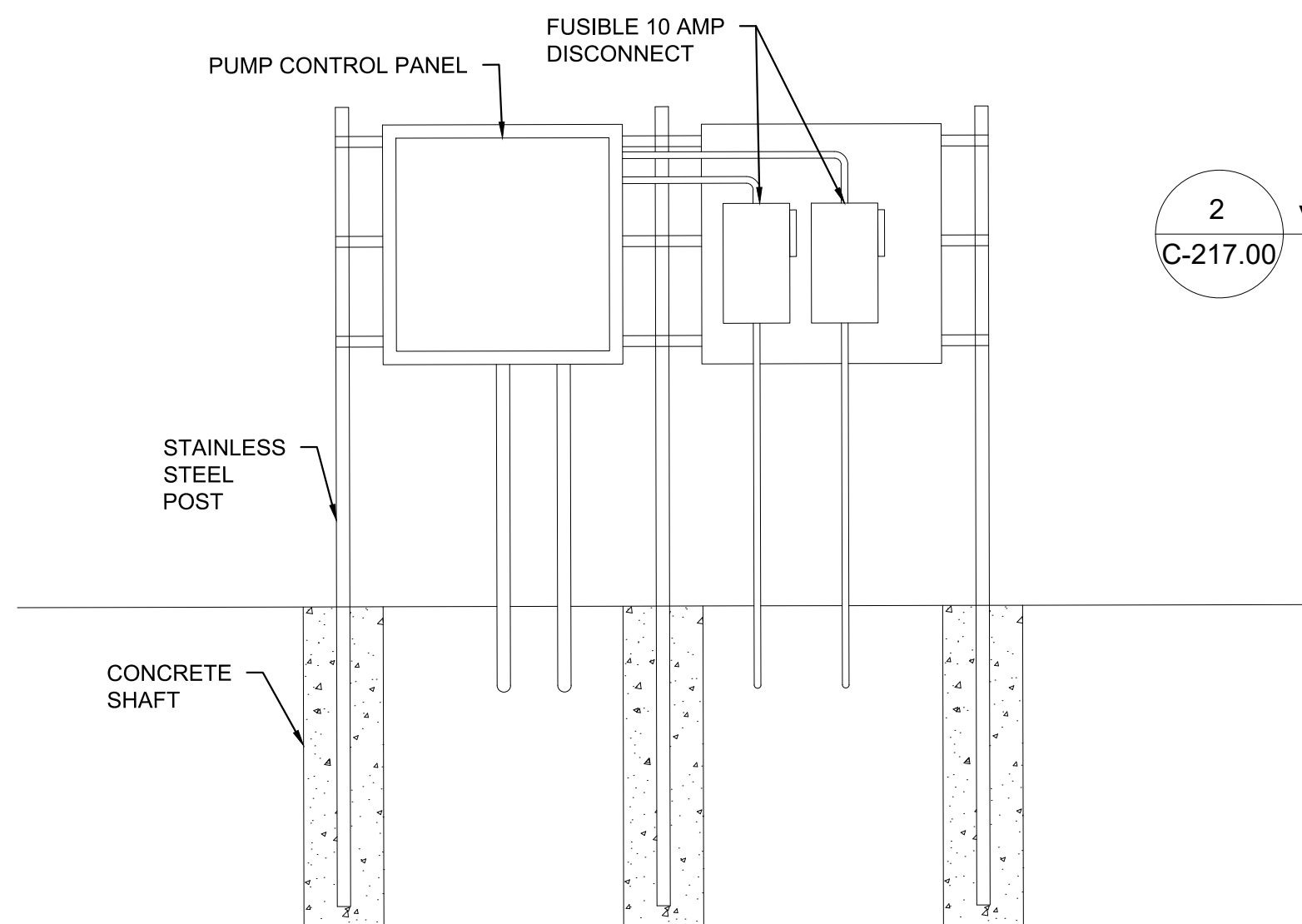


2 VALVE PIT
C-217.00 SCALE: NTS

3 PUMP WET WELL
C-217.00 SCALE: NTS



4 SEWER CONNECTION TO EXISTING MANHOLE
C-217.00 SCALE: NTS



5 CONTROL PANEL DETAIL
C-217.00 SCALE: NTS

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A	INTERIM SUBMISSION	SC	CV	8/29/22

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Woodcliff Lake, NJ 07677

Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
Champlain Hudson
Power Express

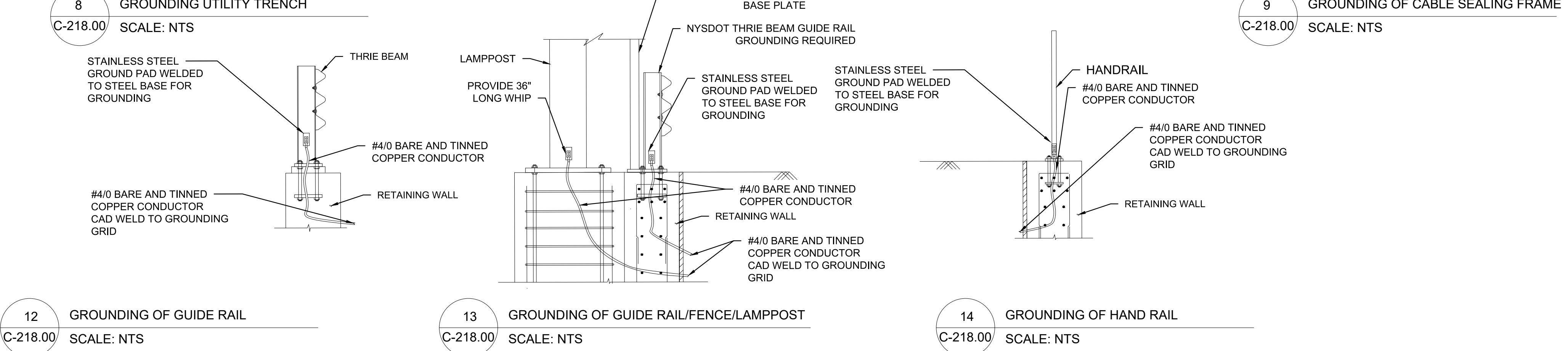
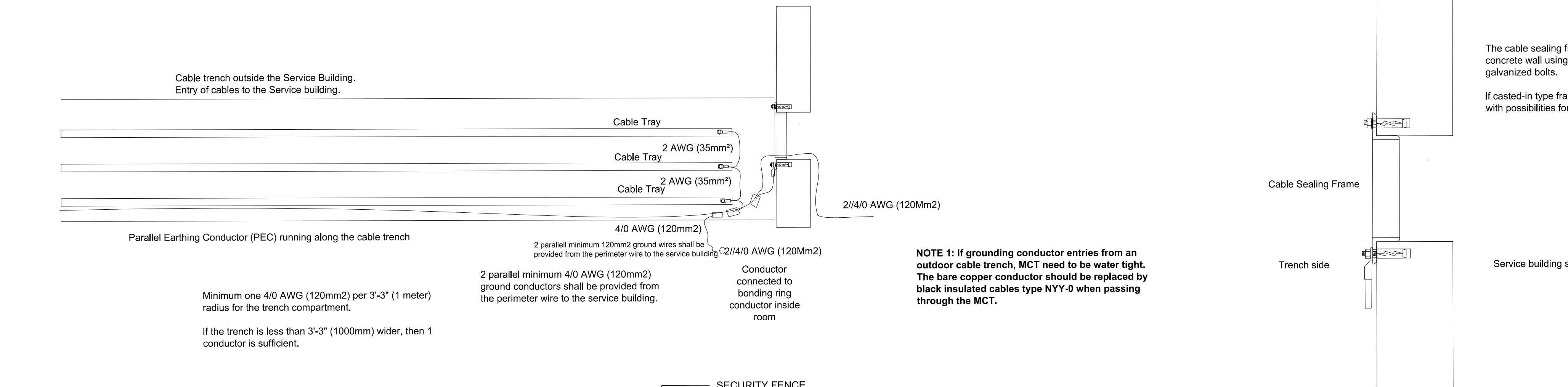
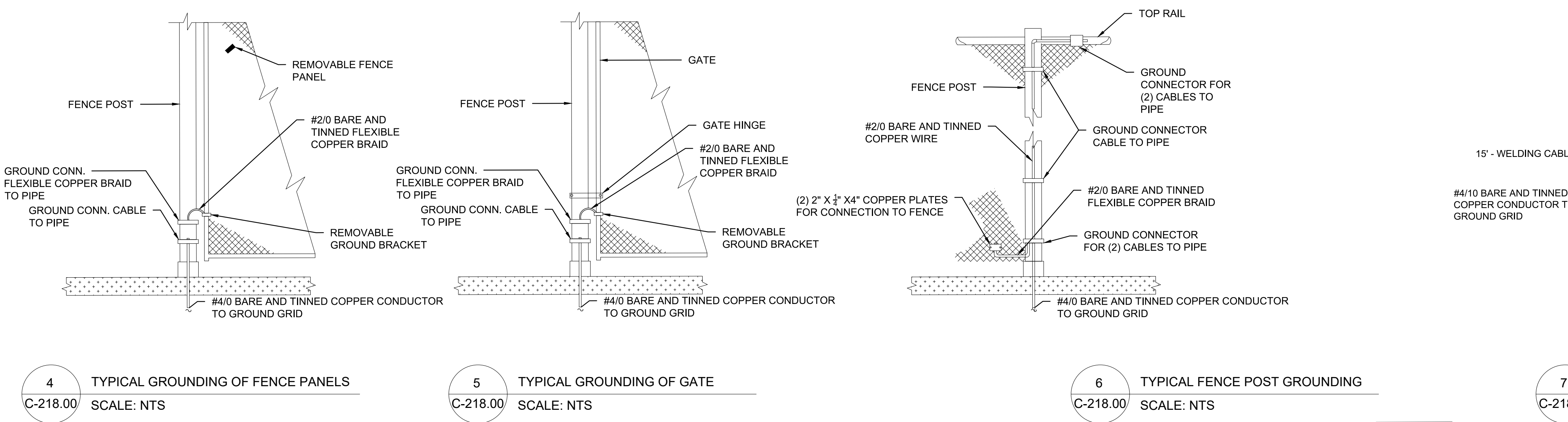
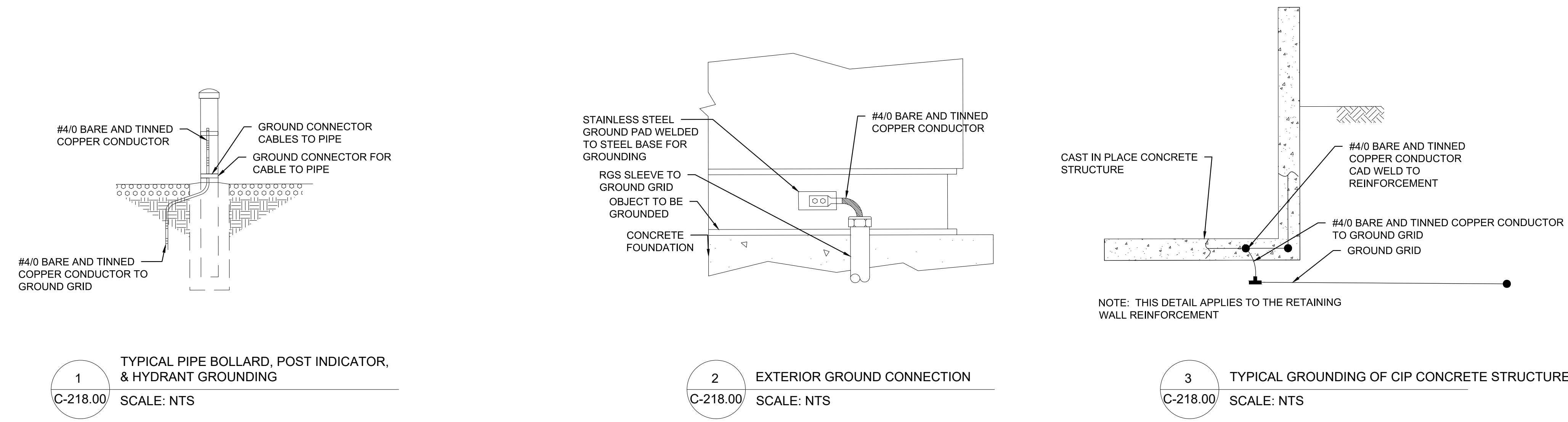
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

UTILITY DETAILS 6
SANITARY SEWER DETAILS



DATE November 8, 2022
PROJECT NO 105121
DRAWING BY S. CASH
CHECKED BY C. VALLABH
DRAWING NO
C-217.00
CADD FILE NO
21 of 25



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A	INTERIM SUBMISSION	SC	CV	8/29/22

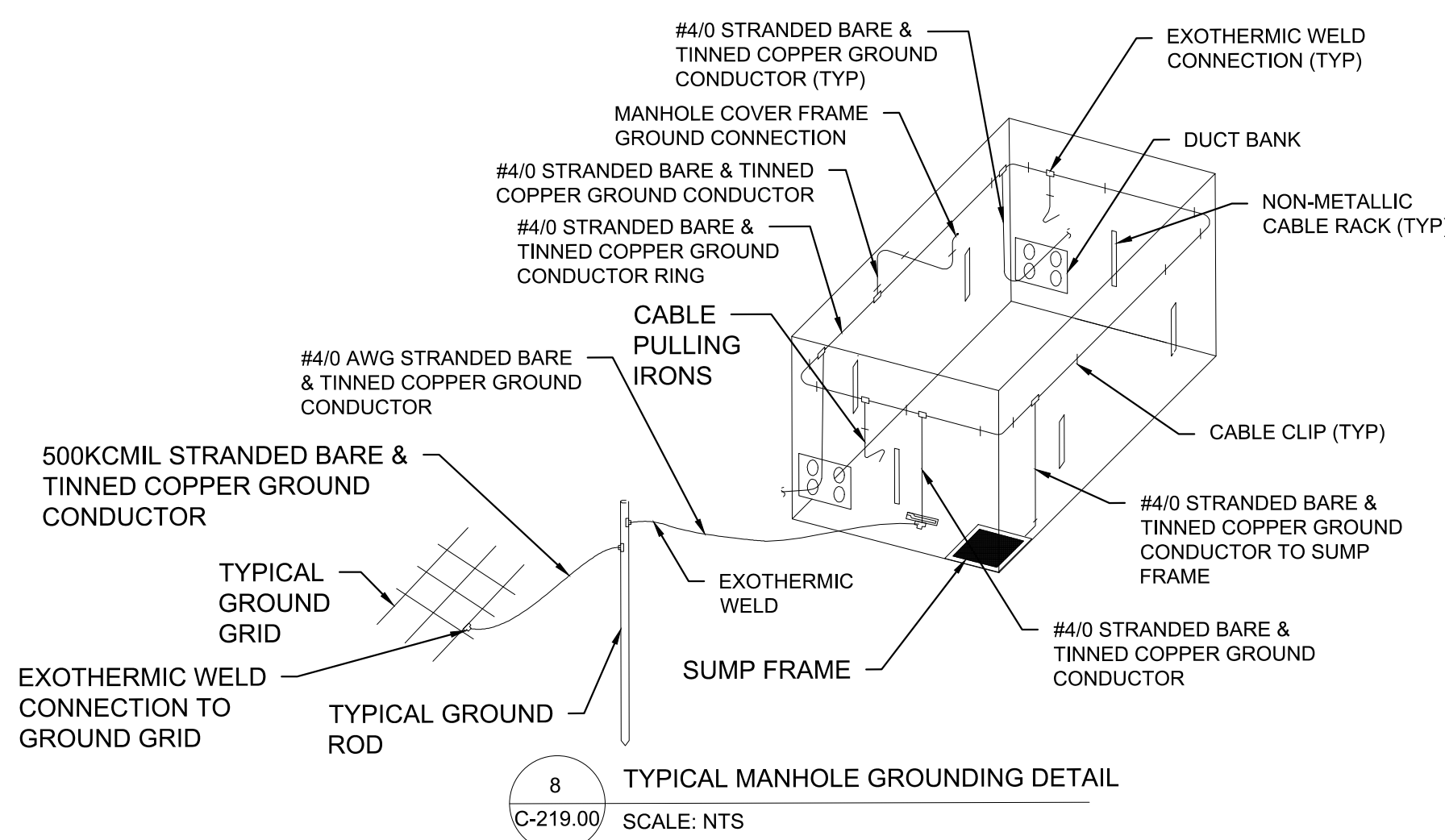
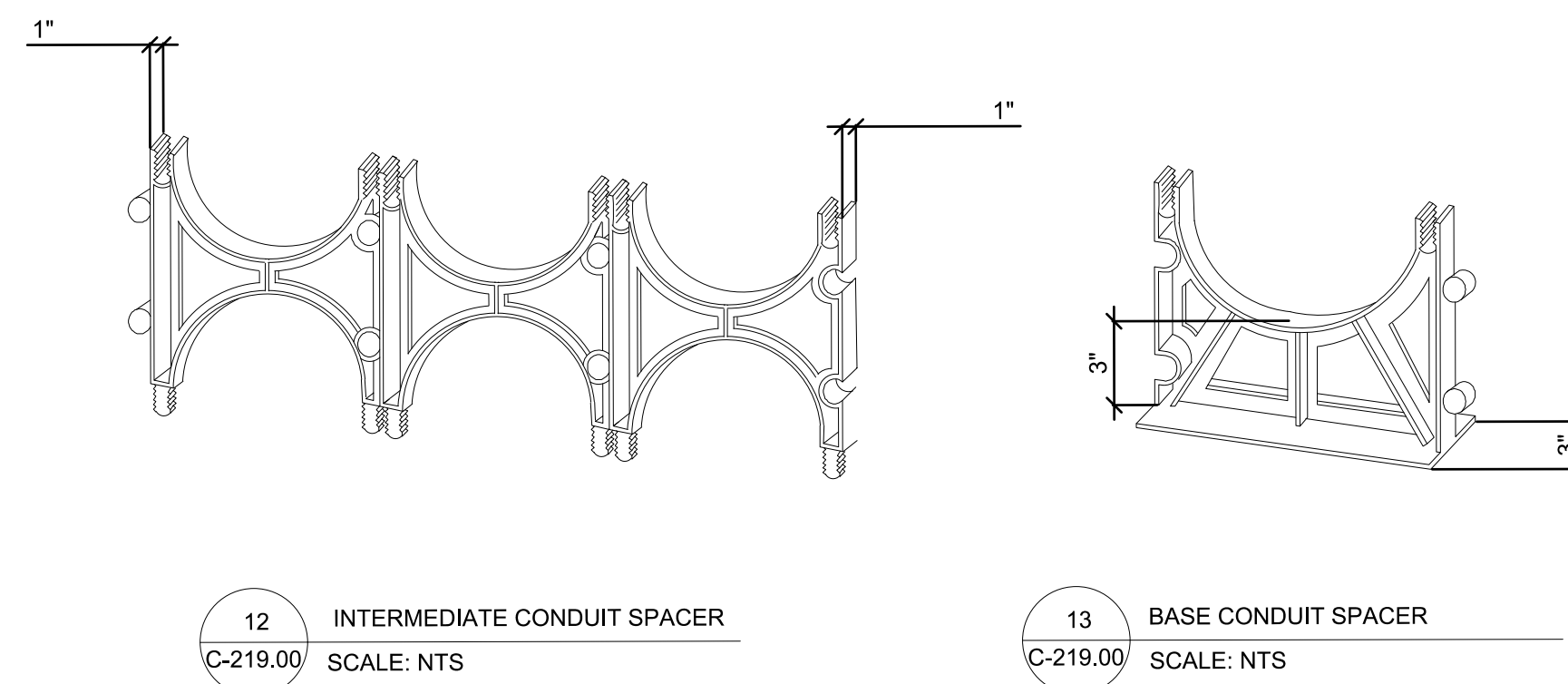
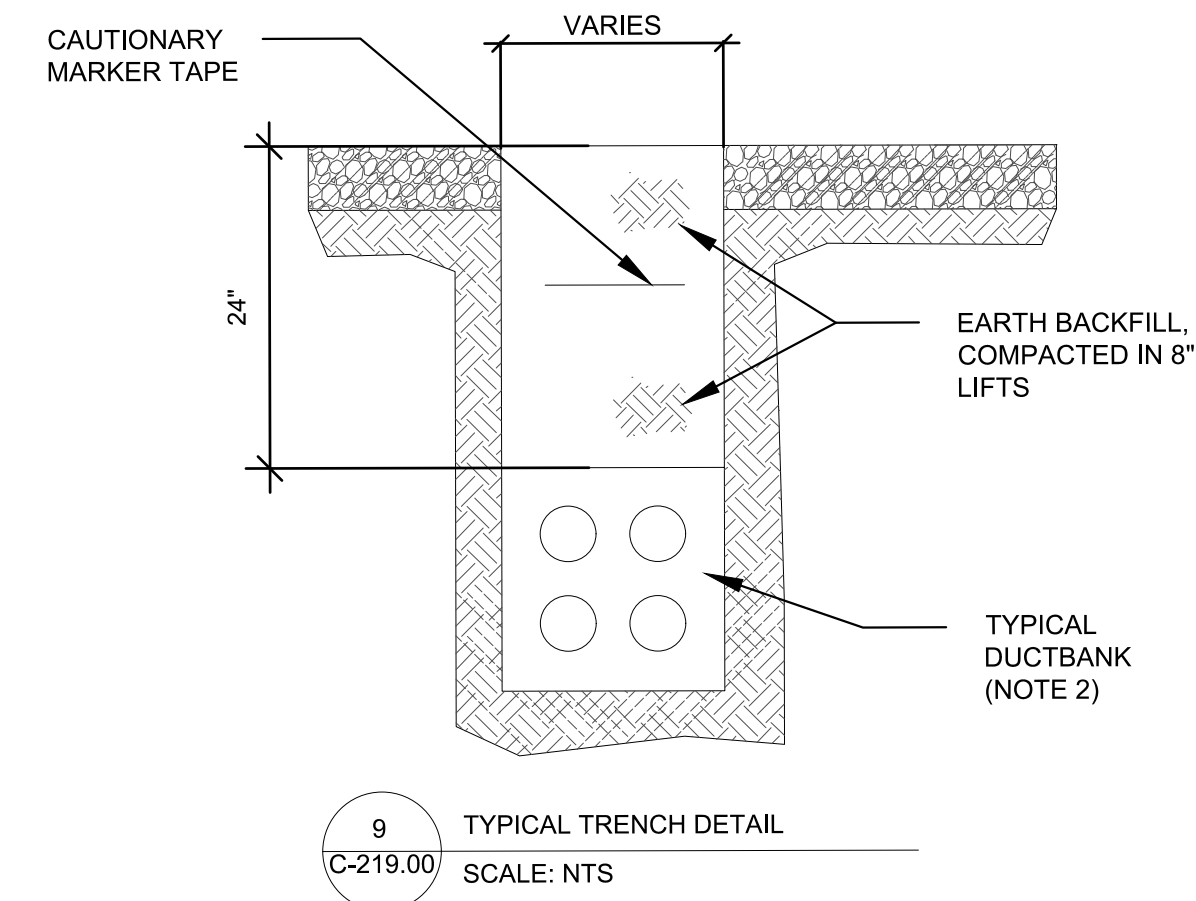
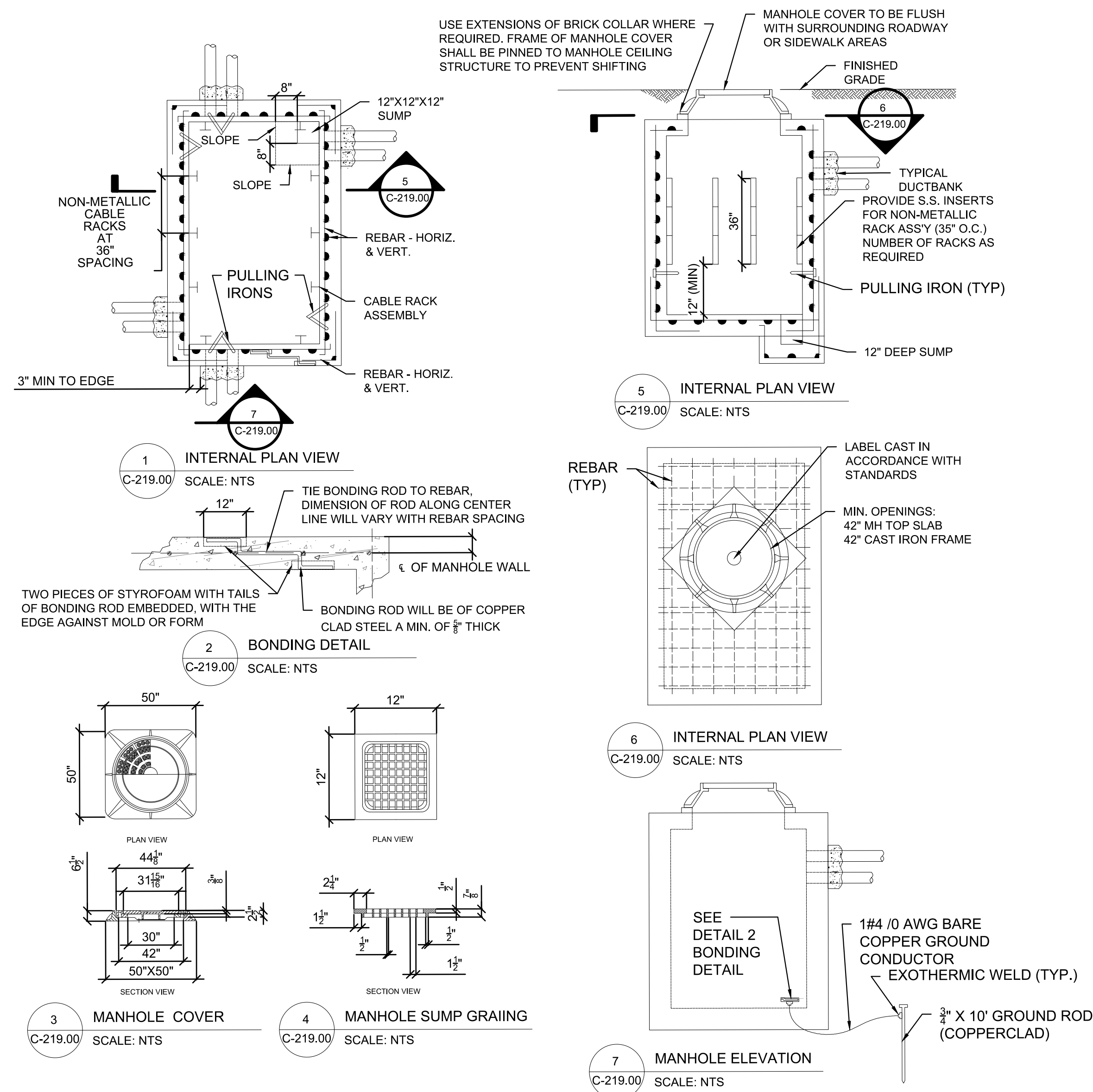
Kiewit 470 Chestnut Ridge Rd # 2, Woodcliff Lake, NJ 07677 Hitachi Energy 901 Main Campus Drive Raleigh, North Carolina 27606

PROJECT CHPE Champlain Hudson Power Express Astoria HVDC Converter Station 31-45 20th Avenue, Astoria, Queens NY 11105 Block #850 - Lot #310 - BIN #4624437

UTILITY DETAILS 7 GROUNDING DETAILS

STATE OF NEW YORK PROFESSIONAL ENGINEER 105203 C-218.00 22 of 25

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MANHOLE TYPE				
TYPE	CONSTRUCTION	INTERNAL DIMENSIONS		
		WIDTH 'A'	LENGTH 'B'	DEPTH 'C'
A	PRECAST CONCRETE	6'	12'	7'

MANHOLE SCHEDULE			
IDENTIFICATION NUMBER	TYPE	SERVICE	CASTING ID SEE DETAILS
MY-1	A	CON EDISON UTILITY SERVICE	2

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B	FINAL SUBMISSION	SC	CV	11/8/22
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REV	DESCRIPTION	DRW BY	CHK BY	DATE

PROJECT  **CHPE**
Champlain Hudson
Power Express

**Astoria HVDC
Converter Station**
31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

**UTILITY DETAILS 8
GROUNDING DETAILS AND
DUCT BANK DETAILS**

	DATE	November 8, 2022
	PROJECT NO	105121
	DRAWING BY	S. CASH
	CHECKED BY	C. VALLABH
	DRAWING NO	

C-219.00

CADD FILE NO	

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Woodcliff Lake, NJ 07677

Hitachi Energy
901 Main Campus Drive
Raleigh, North Carolina 27606

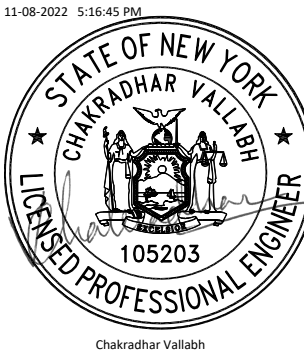
PROJECT

CHPE
Champlain Hudson
Power Express

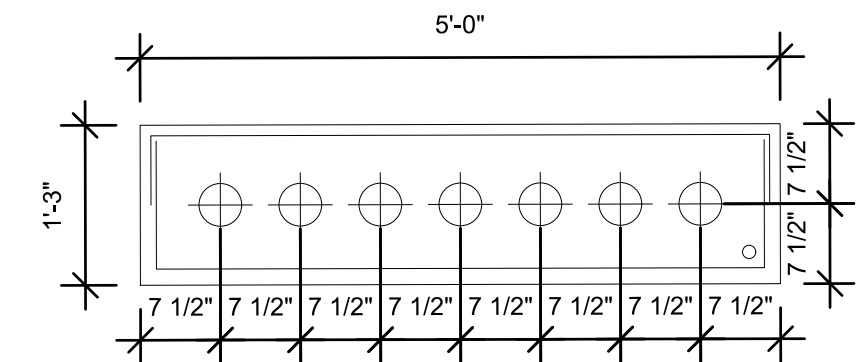
Astoria HVDC
Converter Station

31-45 20th Avenue, Astoria, Queens NY 11105
Block #850 - Lot #310 - BIN #4624437

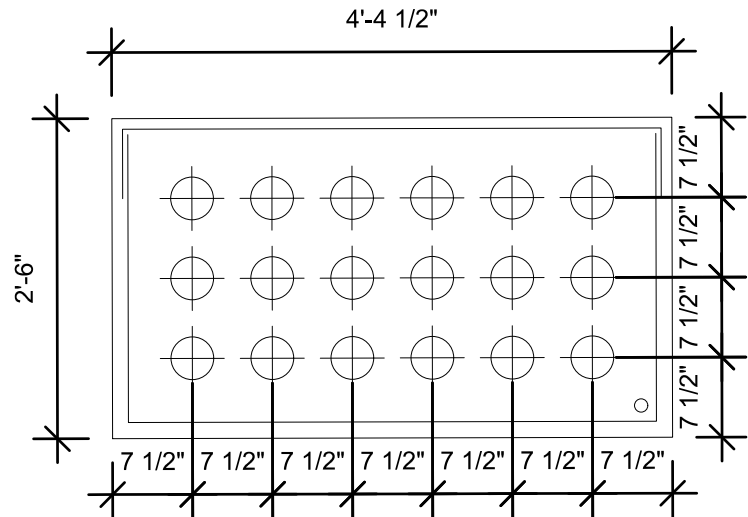
UTILITY DETAILS 9
DUCT BANK DETAILS



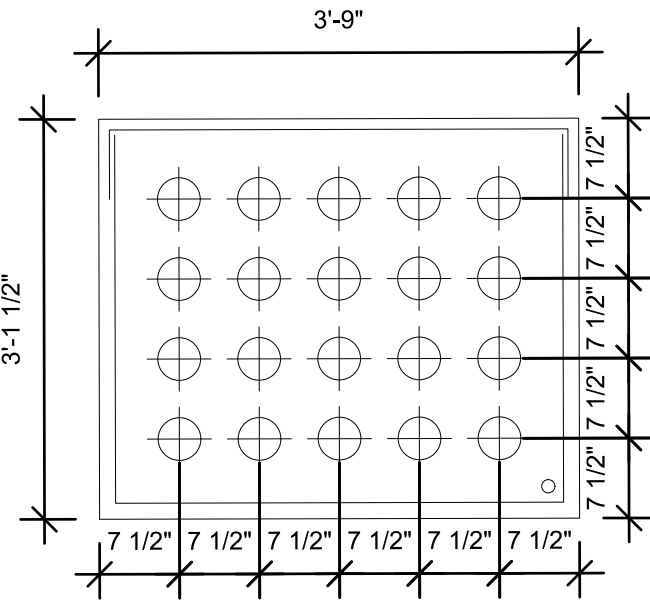
DATE November 8, 2022
PROJECT NO 105121
DRAWING BY S. CASH
CHECKED BY C. VALLABH
DRAWING NO
C-220.00
CADD FILE NO
24 of 25



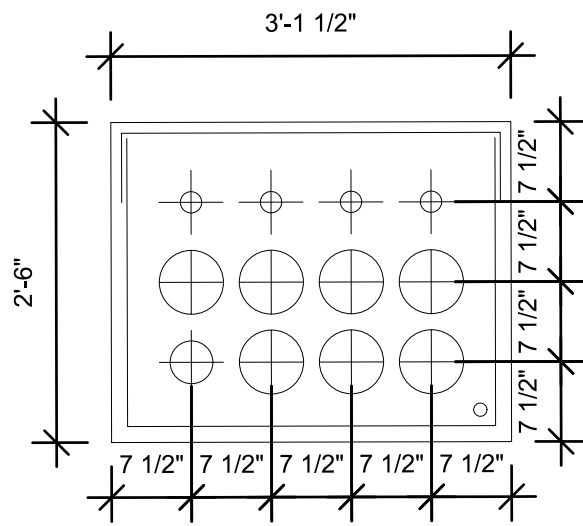
1 DUCT BANK SECTION
C-220.00 SCALE: NTS



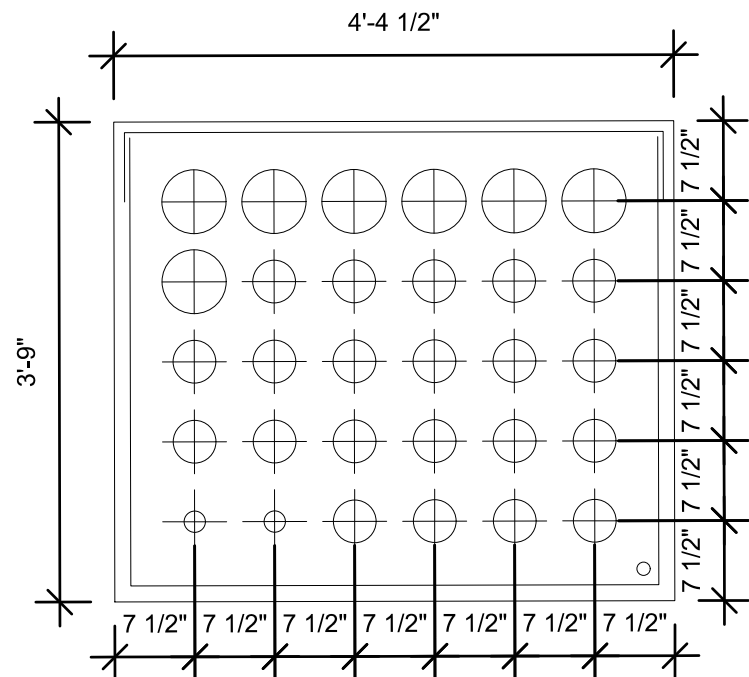
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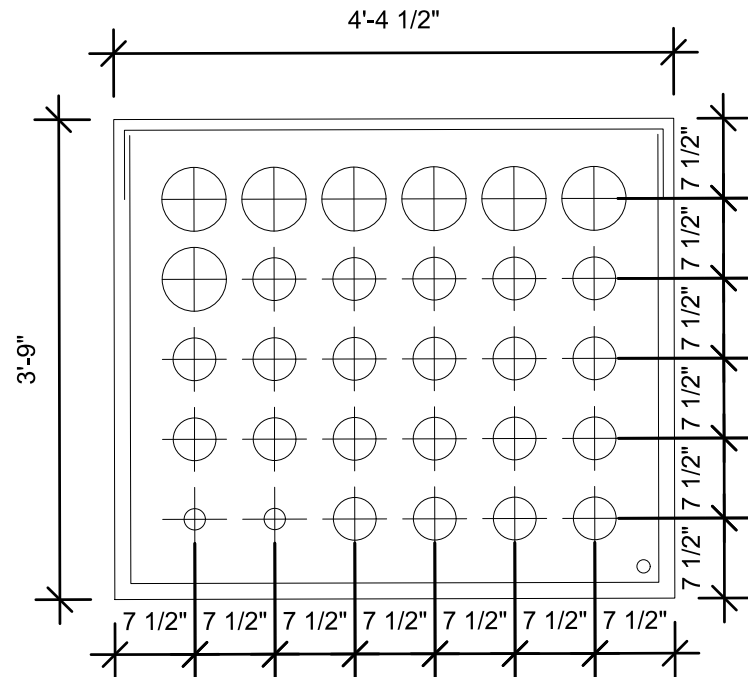
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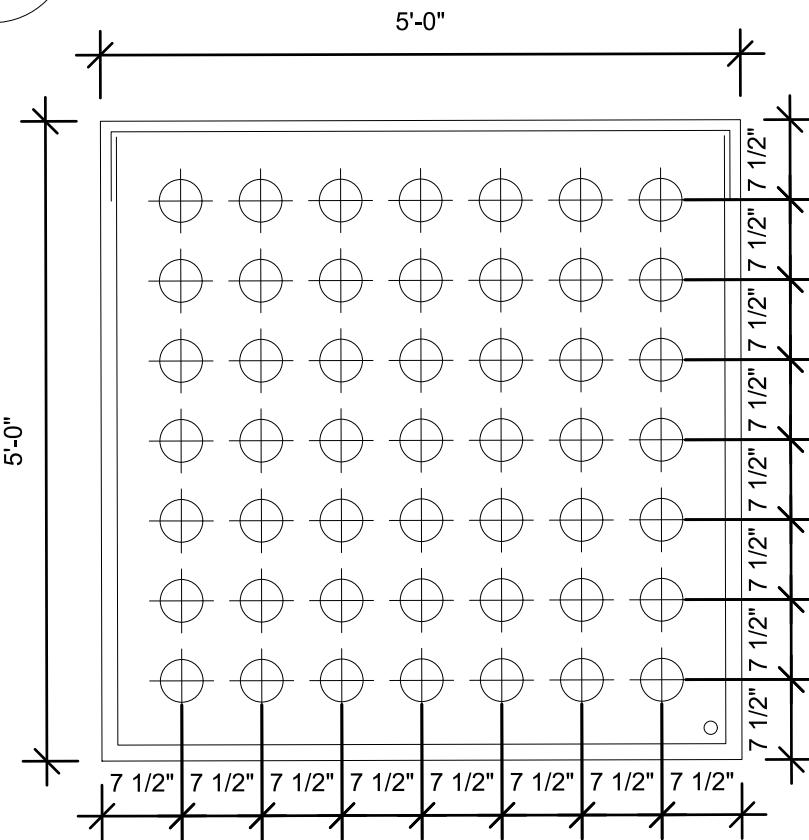
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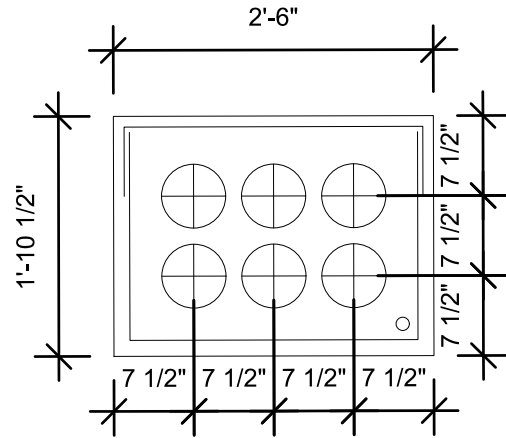
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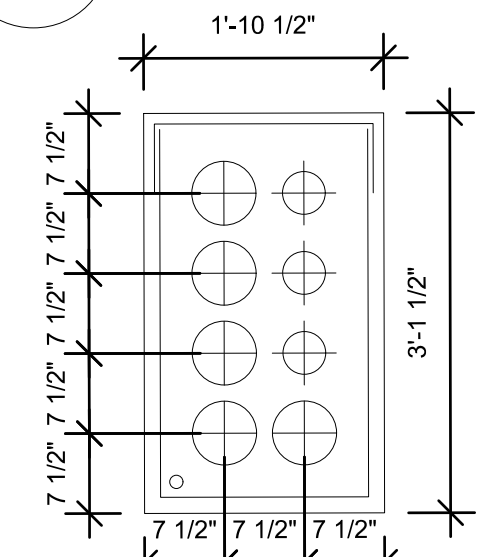
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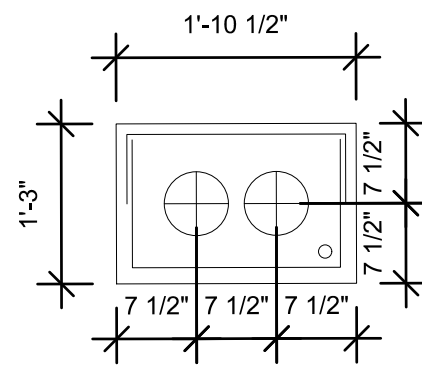
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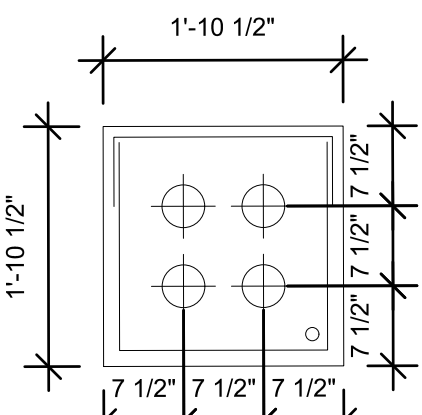
8 DUCT BANK SECTION
C-220.00 SCALE: NTS



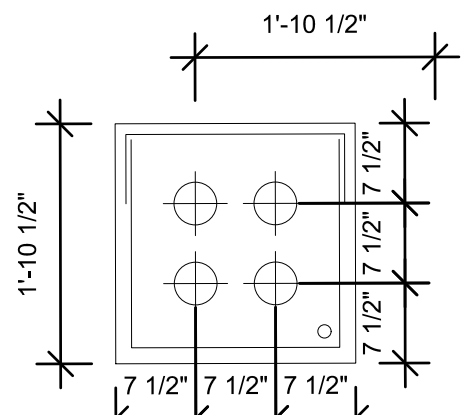
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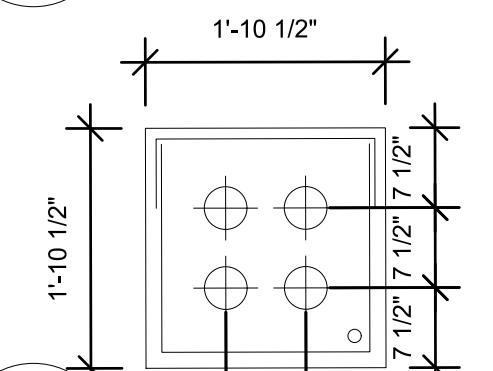
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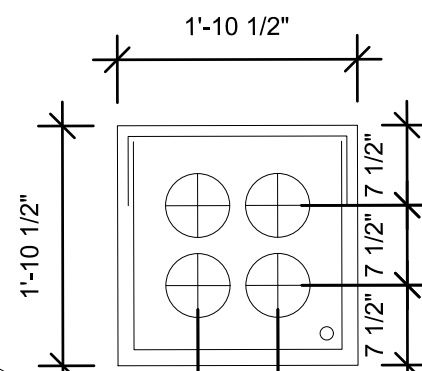
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C-220.00 SCALE: NTS



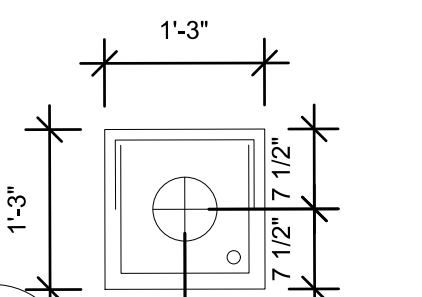
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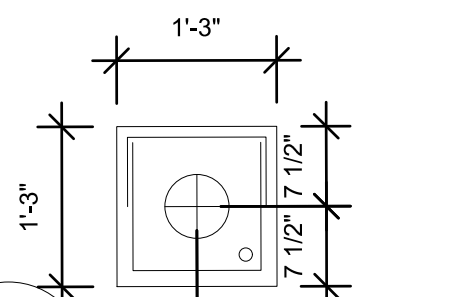
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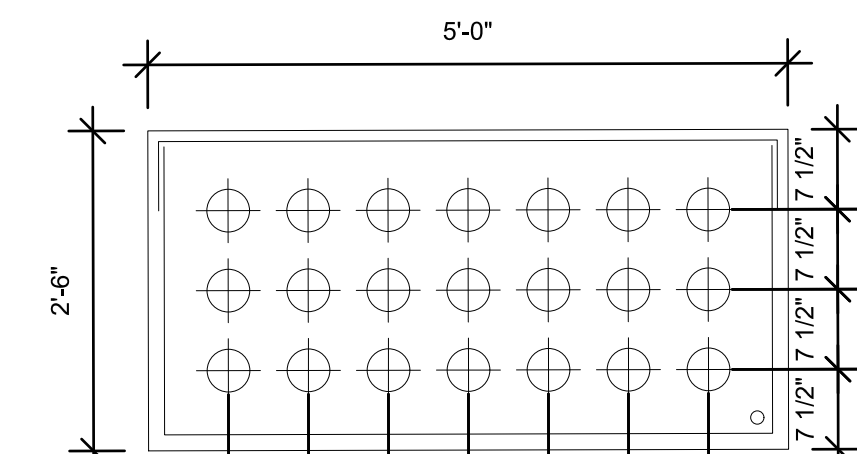
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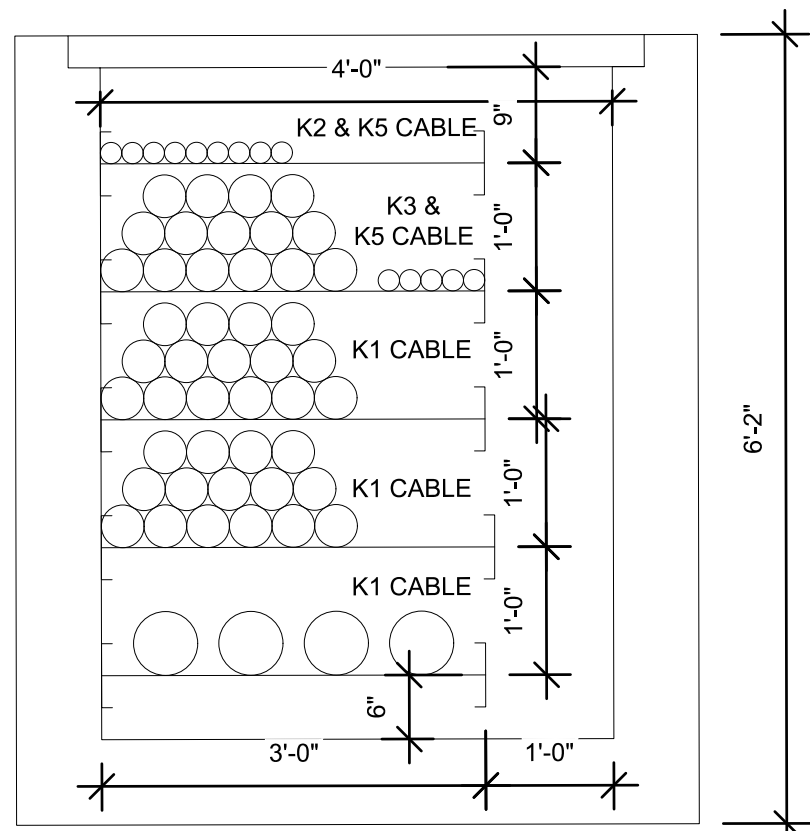
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C-220.00 SCALE: NTS



16 DUCT BANK SECTION
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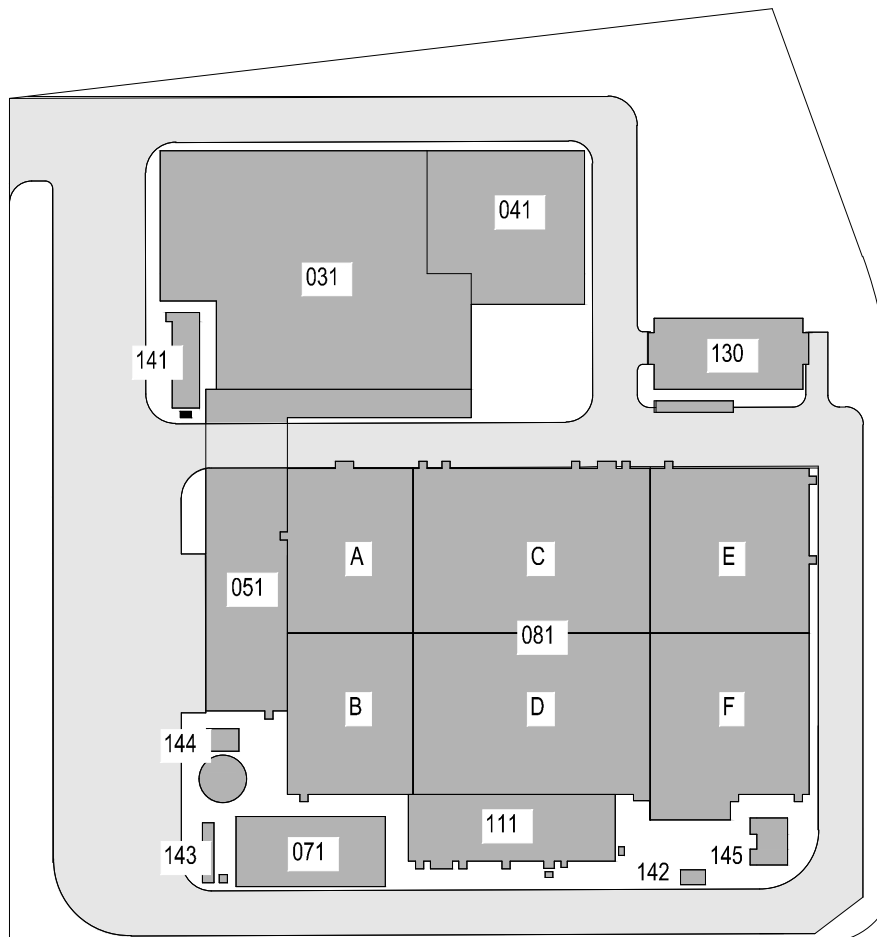


17 DUCT BANK SECTION
C-220.00 SCALE: NTS



18 DUCT BANK SECTION
C-220.00 SCALE: NTS

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N.T.S.

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470 Chestnut Ridge Rd # 2,
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901 Main Campus Drive
Raleigh, North Carolina 27606

PROJECT

CHPE
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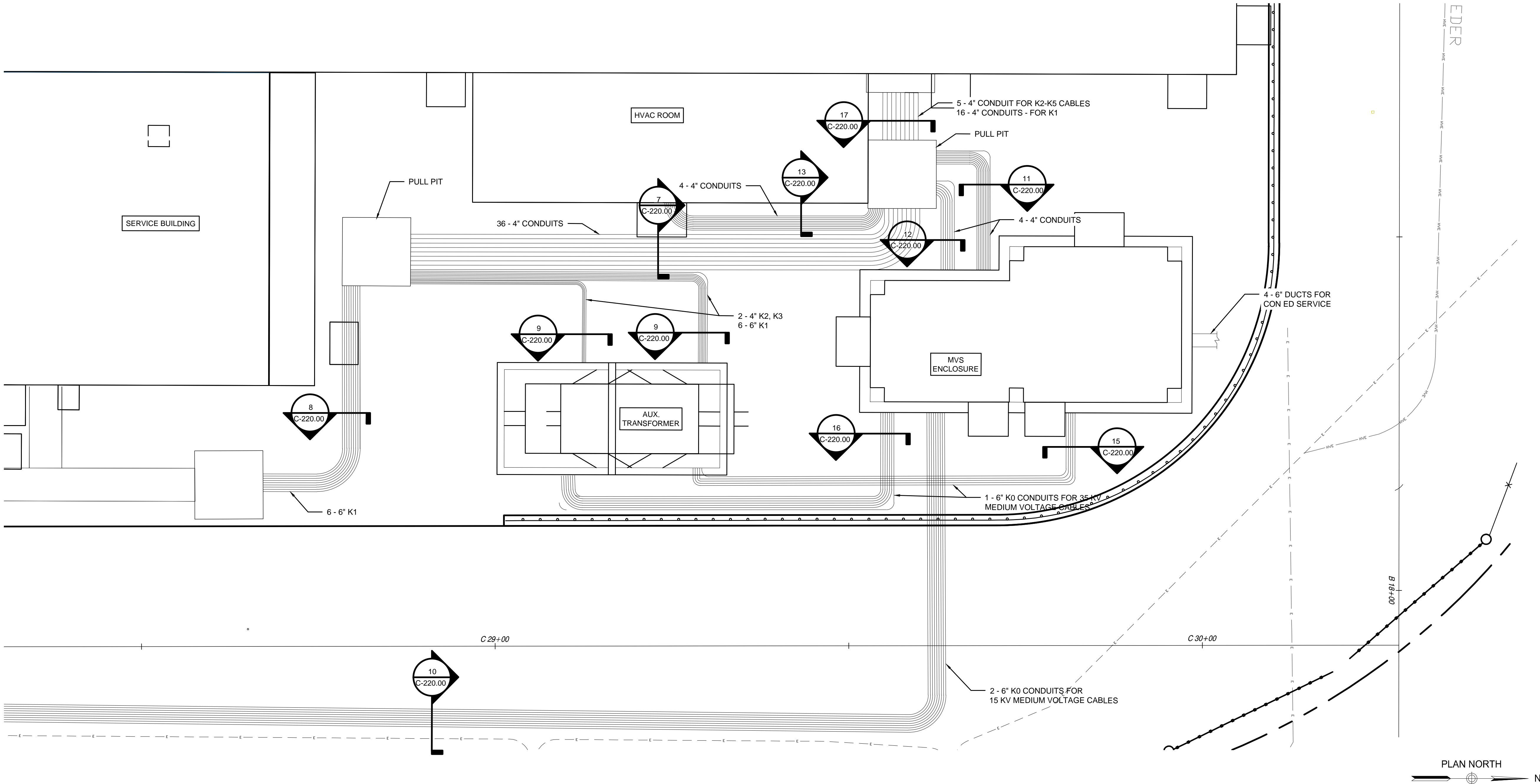
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Block #850 - Lot #310 - BIN #4624437

MVS BUILDING CONDUIT LAYOUT



DATE
PROJECT NO
DRAWING BY
CHECKED BY
DRAWING NO
CADD FILE NO

NOVEMBER 8, 2022
105121
S. CASH
C. VALLABH
C-221.00
25 of 25



1
C-221.00
MVS BUILDING CONDUIT LAYOUT
SCALE 1 1/2" = 1'