



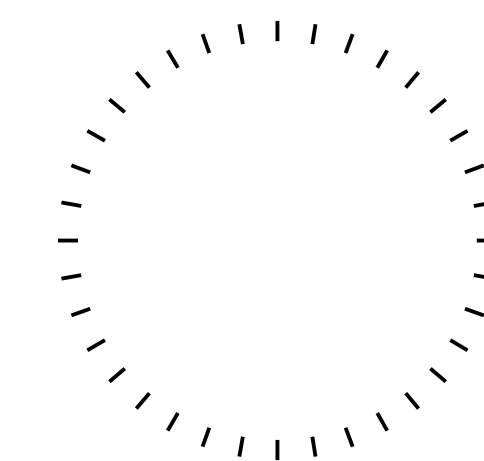
**BROADVIEW**

**SENIOR LIVING**  
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE  
COLLEGE - SITE

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ARCHITECTURE  
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PLANNING  
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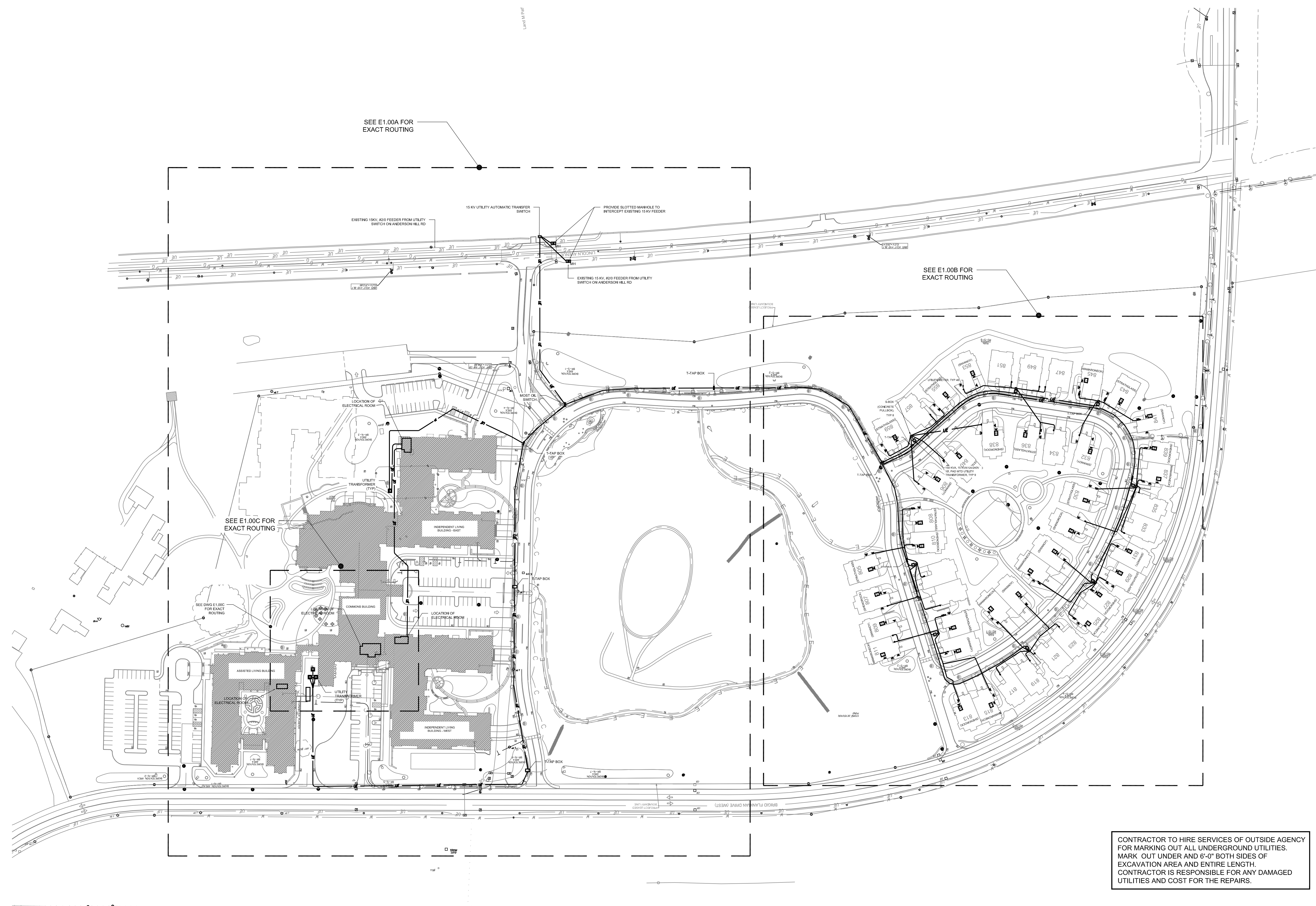
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Project Name	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE
Project Number	215042.00
Date	10.09.20
Scale	As Indicated
Drawing	SITE PLAN - POWER

E1.00

9 50% Construction Documents

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CONTRACTOR TO HIRE SERVICES OF OUTSIDE AGENCY FOR MARKING OUT ALL UNDERGROUND UTILITIES. MARK OUT UNDER AND 6'-0" BOTH SIDES OF EXCAVATION AREA AND ENTIRE LENGTH. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED UTILITIES AND COST FOR THE REPAIRS.

1 SITE PLAN - POWER















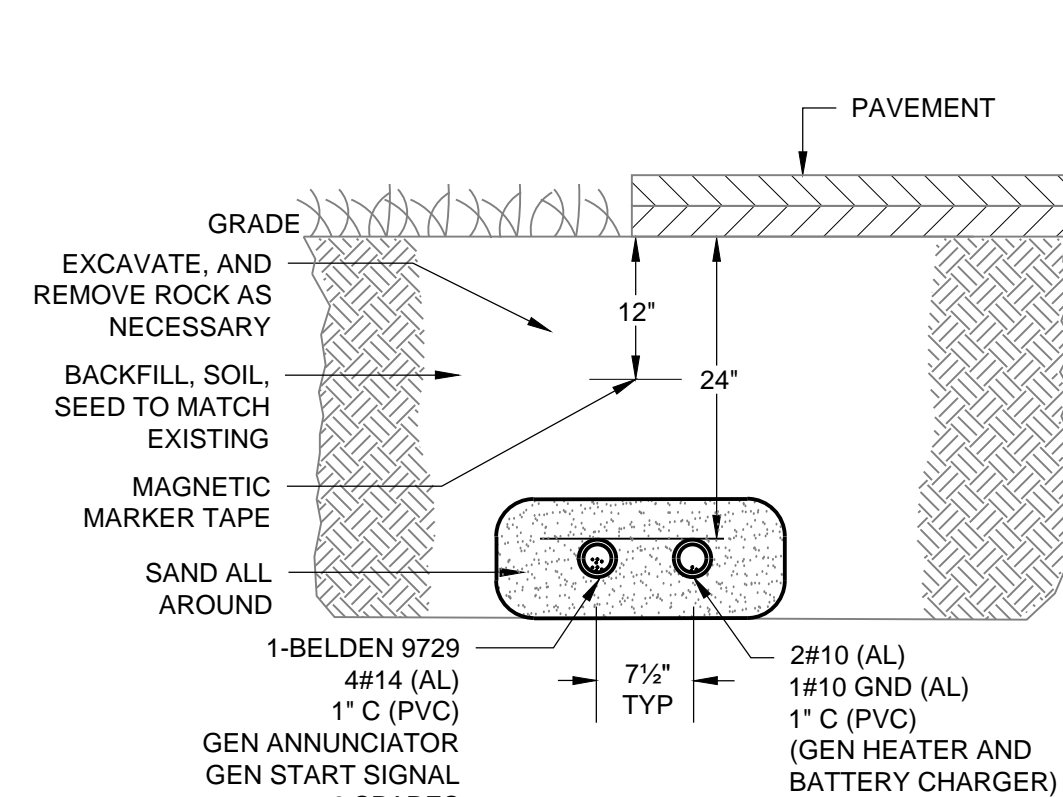
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# E1.00C

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50% Construction Documents



PAVEMENT

GRADE

EXCAVATE, AND REMOVE ROCK AS NECESSARY

BACKFILL, SOIL, SEED TO MATCH EXISTING

MAGNETIC MARKER TAPE

SAND ALL AROUND

12"

24"

4' x 8' SP-18 COND. PULLOUT SYSTEM

4-500 KCMIL (AL)  
4°C (HDPE)  
TYP 4 (PNL MDP-AL)

7/8" TYP

GRADE

EXCAVATE, AND REMOVE ROCK AS NECESSARY

BACKFILL, SOIL, SEED TO MATCH EXISTING

MAGNETIC MARKER TAPE

SAND ALL AROUND

4-600 KCMIL (AL)  
4°C (PVC)  
TYP 4  
(PNL MDP-COMMONS)

12' 24'

7 1/2" TYP

[illegible]

PAVEMENT

GRADE

EXCAVATE, AND REMOVE ROCK AS NECESSARY

BACKFILL SOIL, SEED TO MATCH EXISTING

MAGNETIC MARKER TAPE

SAND ALL AROUND

12"

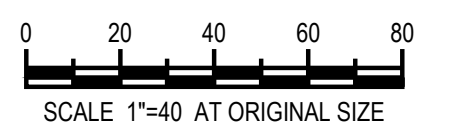
24"

4-250 KCMIL (AL)  
1#4/0 GND (AL)  
4°C (PVC)  
TYP 4  
(PNL MDP-SB)  
GENERATOR

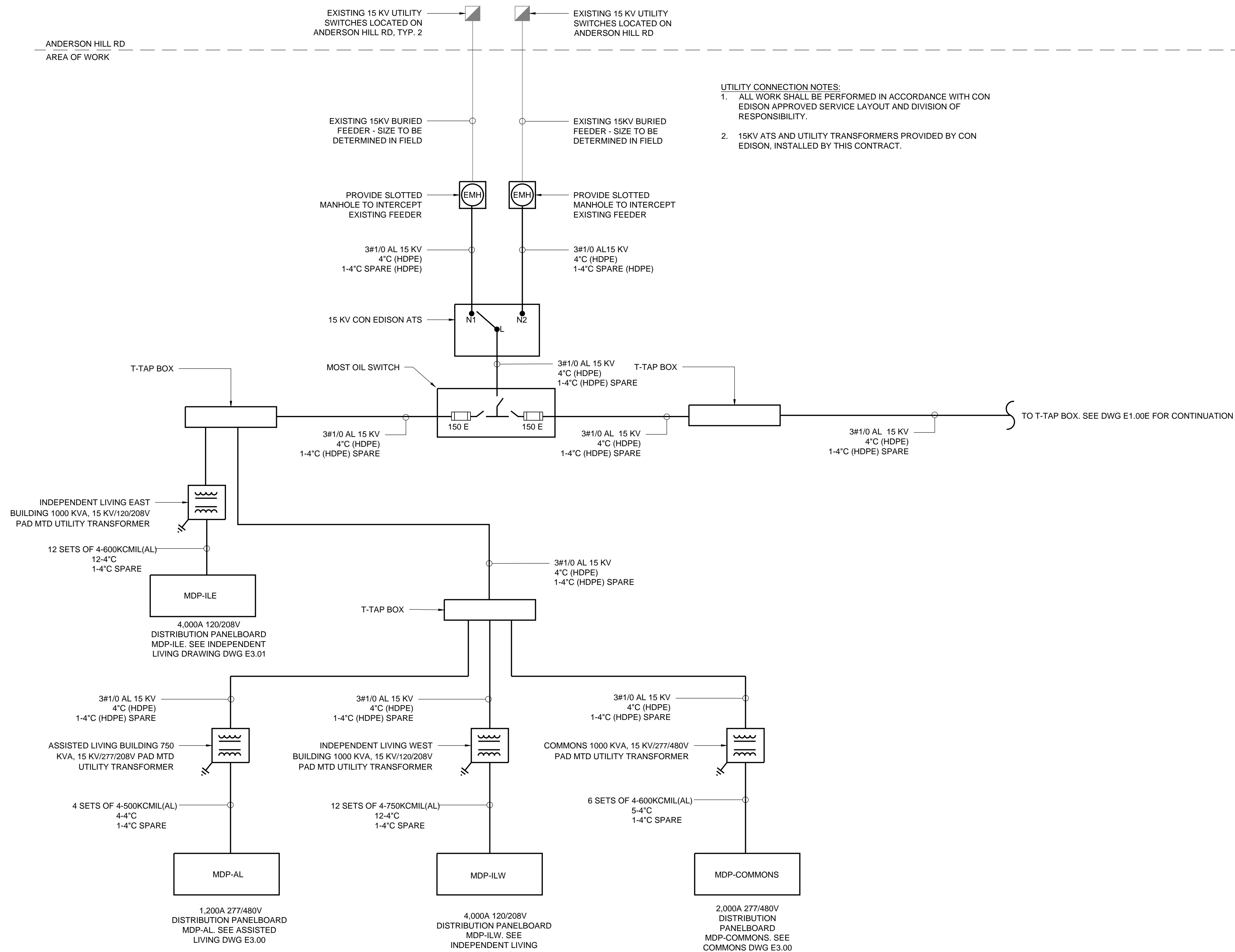
7 1/2" TYP

Diagram illustrating a typical 12' x 24' x 4' PVC GEN START installation. The diagram shows a cross-section of the ground and pavement layers. Key components and dimensions are labeled:

- PAVEMENT**: The top layer of the installation.
- GRADE**: The ground surface level.
- EXCAVATE, AND REMOVE ROCK AS NECESSARY**: Instruction for the area above the GEN START.
- BACKFILL SOIL, SEED TO MATCH EXISTING**: Instruction for the area around the GEN START.
- MAGNETIC MARKER TAPE**: A layer below the backfill soil.
- SAND ALL AROUND**: A layer below the magnetic marker tape.
- 12'**: The width of the excavation.
- 24'**: The length of the excavation.
- GEN START**: The central component, labeled as **1" C (PVC) GEN START 4 SPARES**.
- 3#6 (AL)**: Three 6-gauge aluminum rods.
- 1#6 GND (AL)**: One 6-gauge aluminum ground rod.
- 1" C (PVC) (XFMRL-ILE-SB)**: One-inch concrete (PVC) pipe (XFMRL-ILE-SB).
- 3#4/0 (AL)**: Three 4/0-gauge aluminum rods.
- 1#4 GND (AL)**: One 4-gauge aluminum ground rod.
- 4" C (PVC) (XFMRL-ILE-SB)**: Four-inch concrete (PVC) pipe (XFMRL-ILE-SB).
- 7 1/2" TYP**: Typical spacing between the rods.
- 8#14 (AL)**: Eight 14-gauge aluminum rods.







1 SITE - SINGLE LINE DIAGRAM

E3.00 NONE

**ARCHITECT**  
HCM Design, Inc.  
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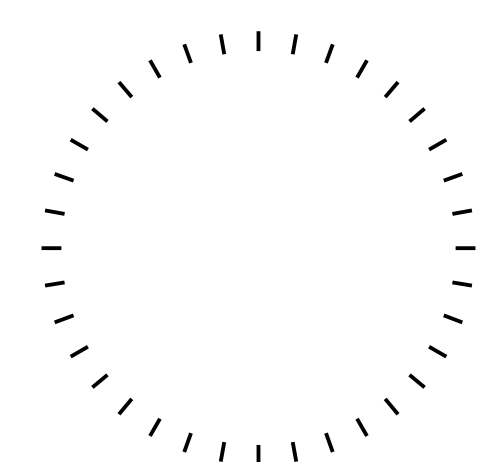
**INTERIOR DESIGNER**  
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Scale  
As indicated

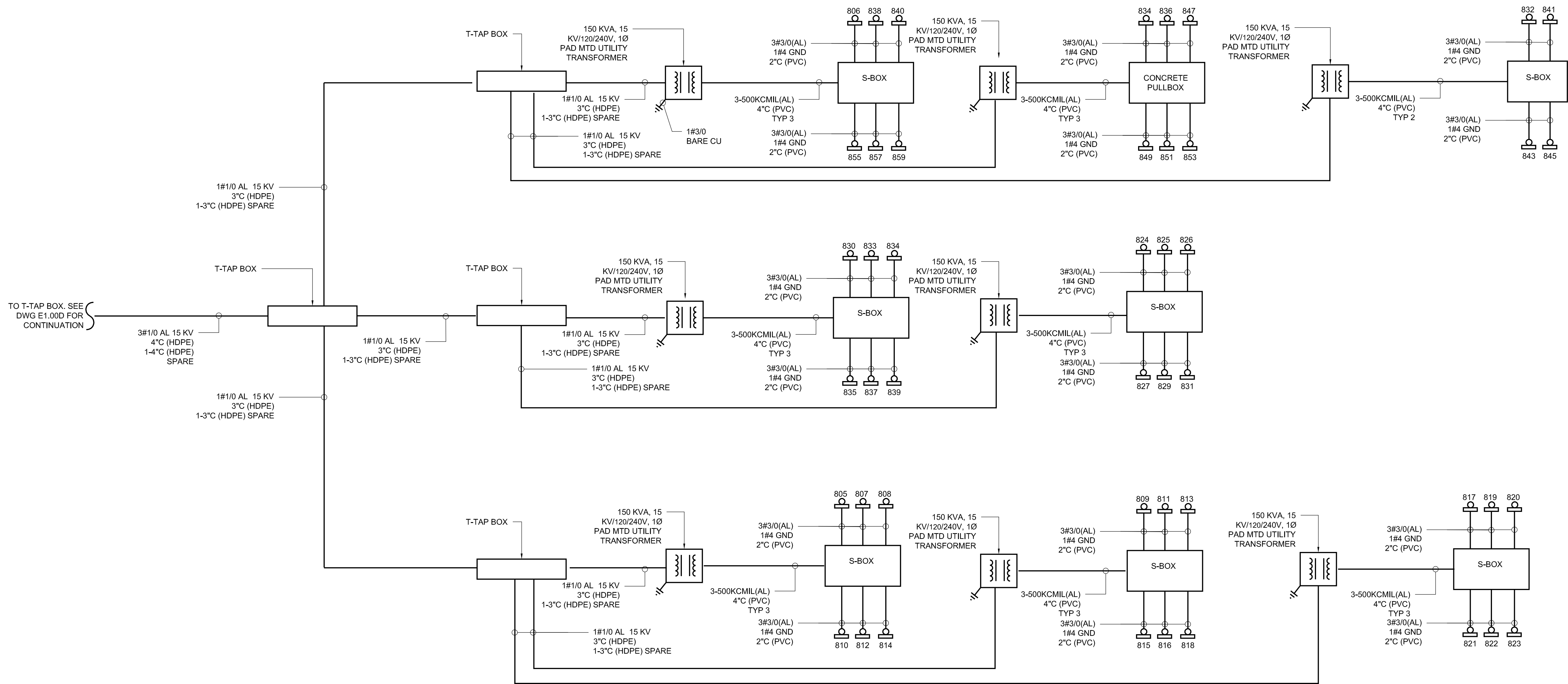
Drawing  
SITE SINGLE LINE DIAGRAM - ELECTRICAL

E1.00D

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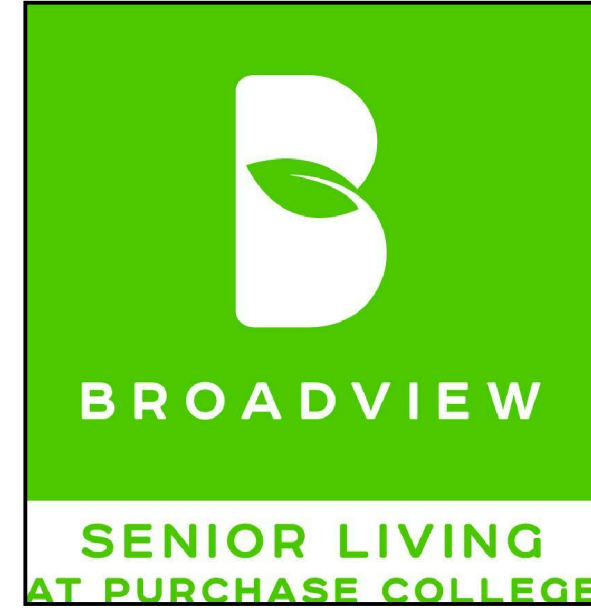




1 SITE - SINGLE LINE DIAGRAM

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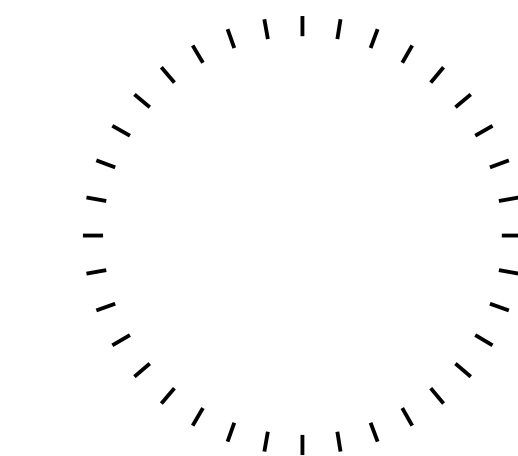
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Drawing  
SITE SINGLE LINE DIAGRAM - ELECTRICAL

E1.00E

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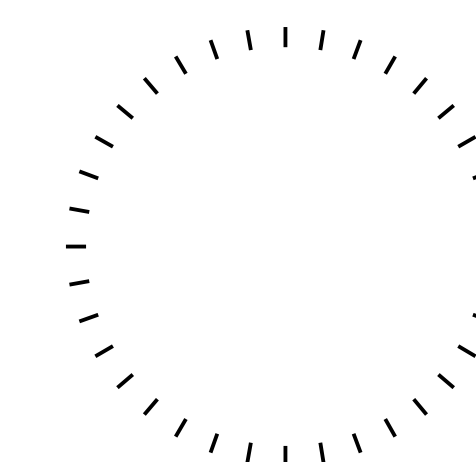
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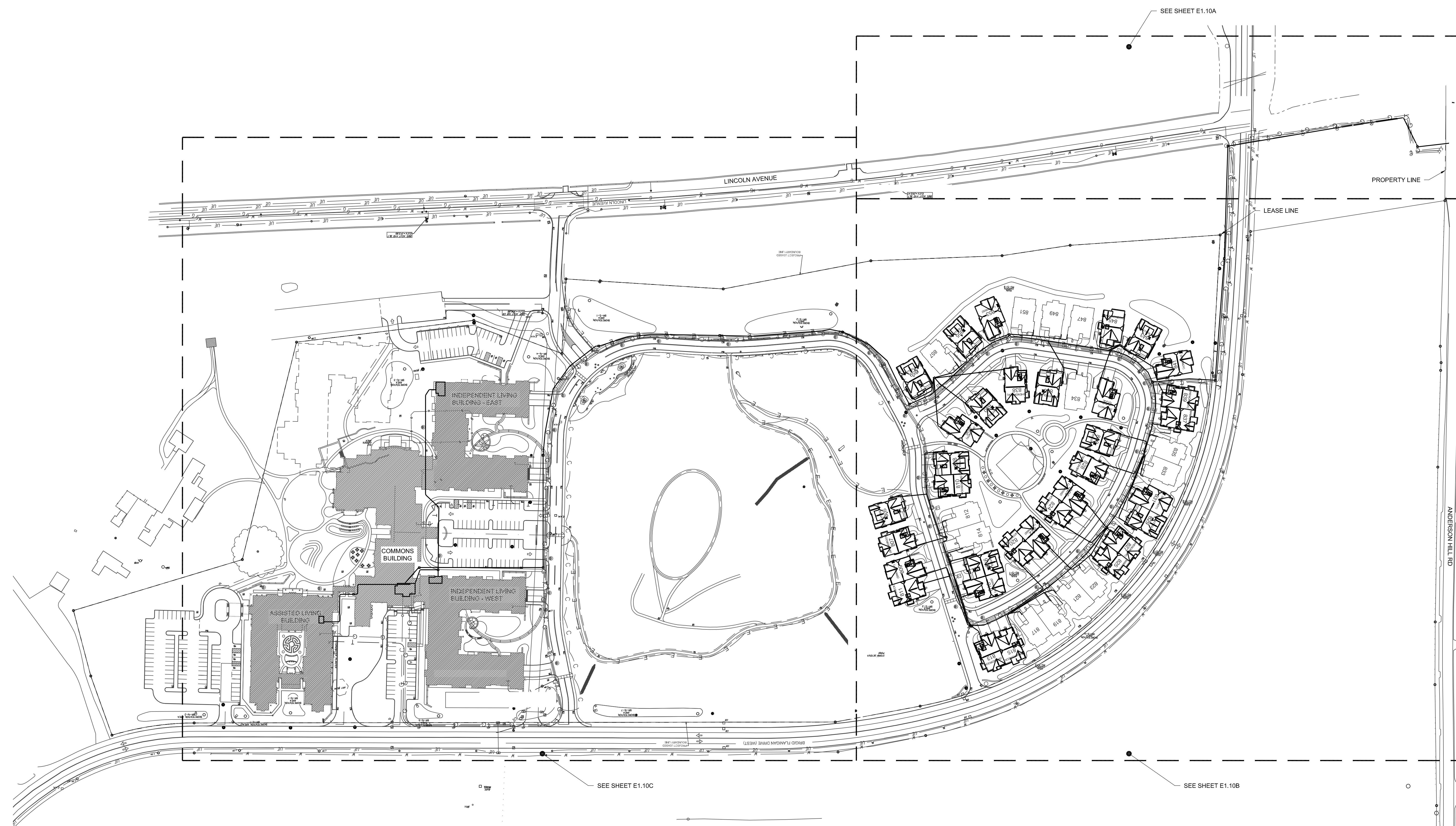
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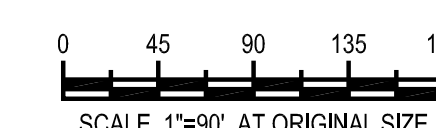
## E1.10

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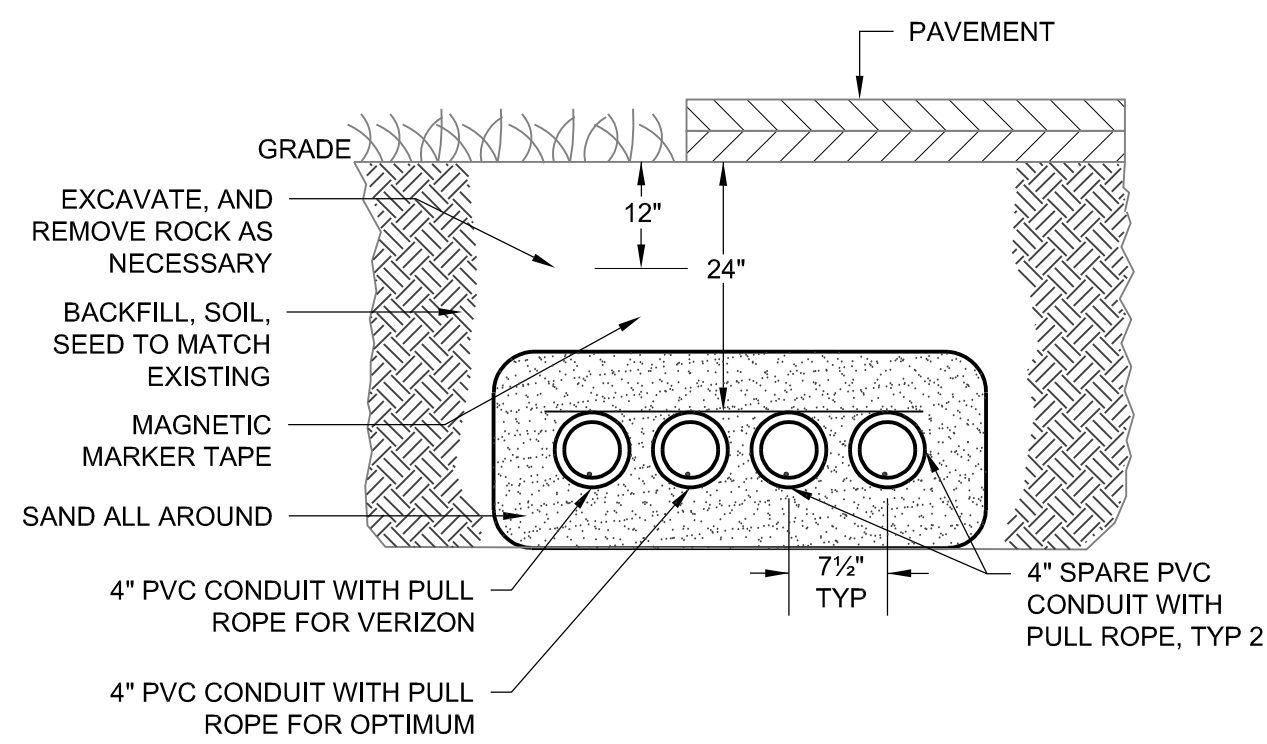
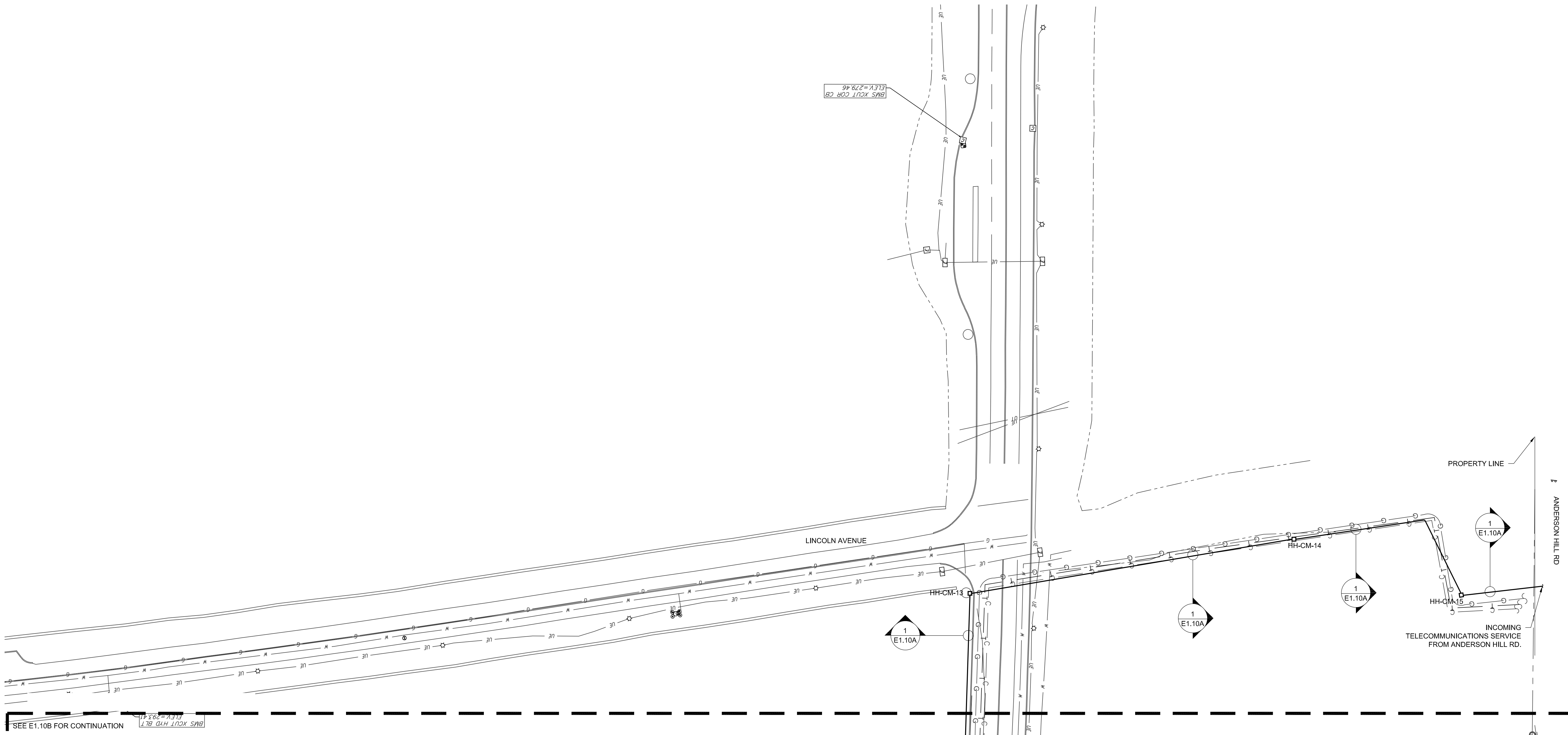
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1 SITE PLAN - SIGNAL

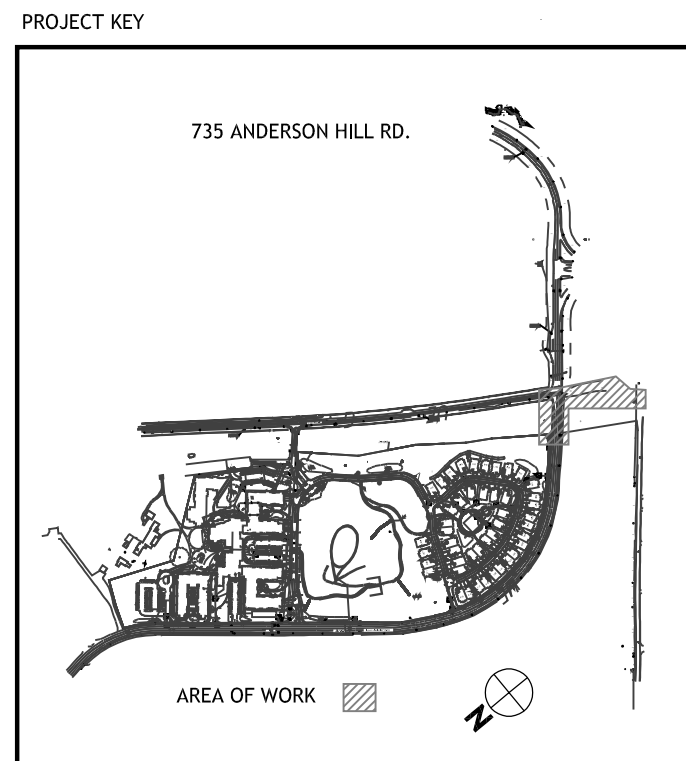






1  
E1.10A  
**TRENCH DETAIL**  
SCALE: NONE

1  
E1.10A  
**SITE PLAN - SIGNAL**  
1" = 40' 0"



**ARCHITECT**  
HCM Design, Inc.  
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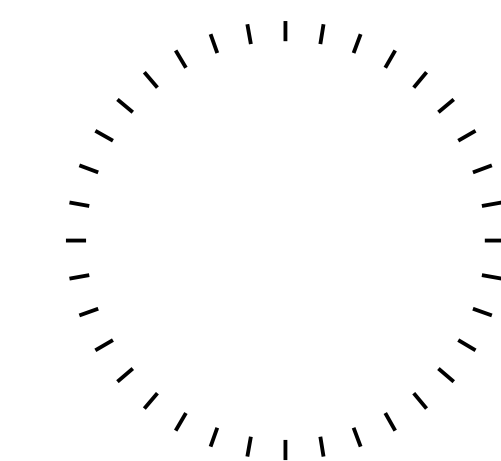
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**BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE**

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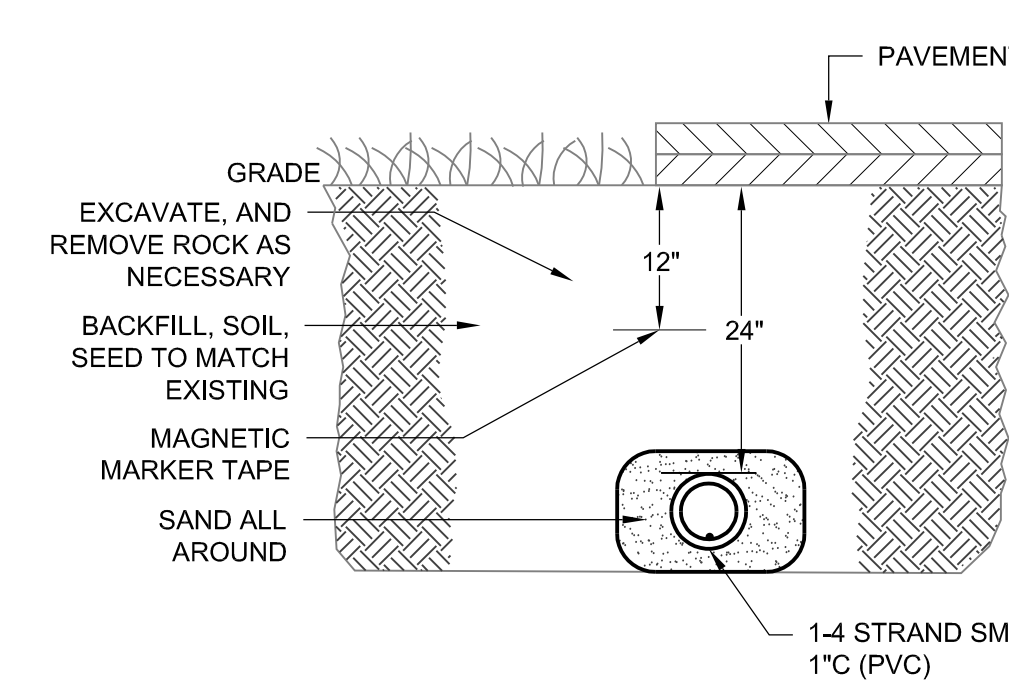
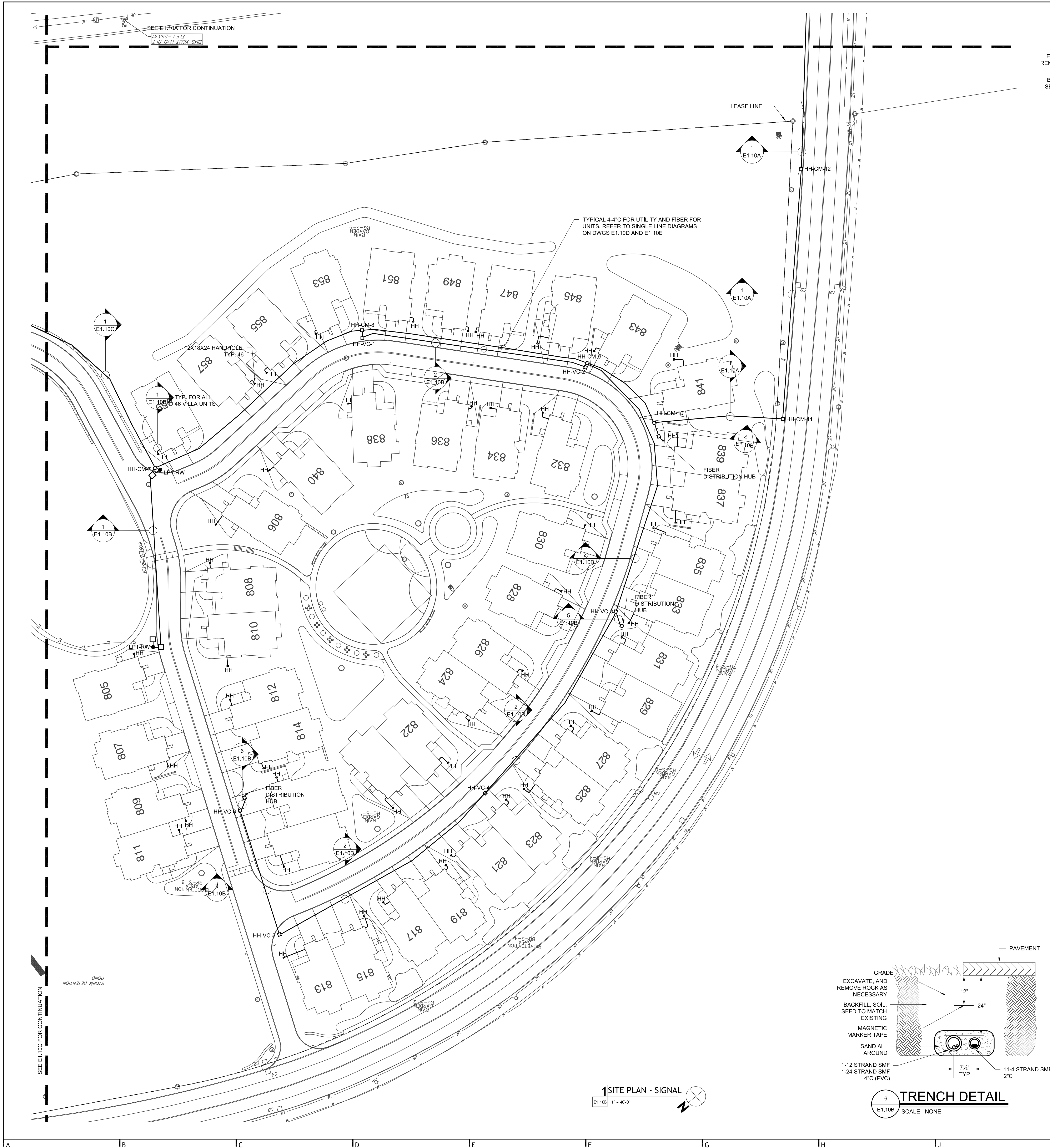
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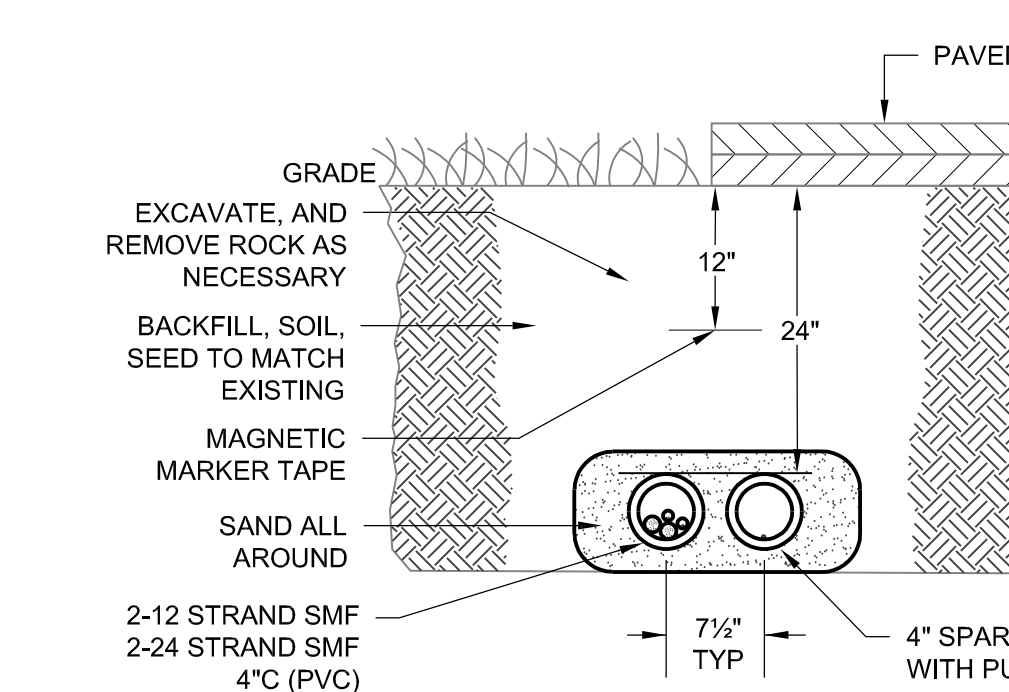
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**E1.10A**

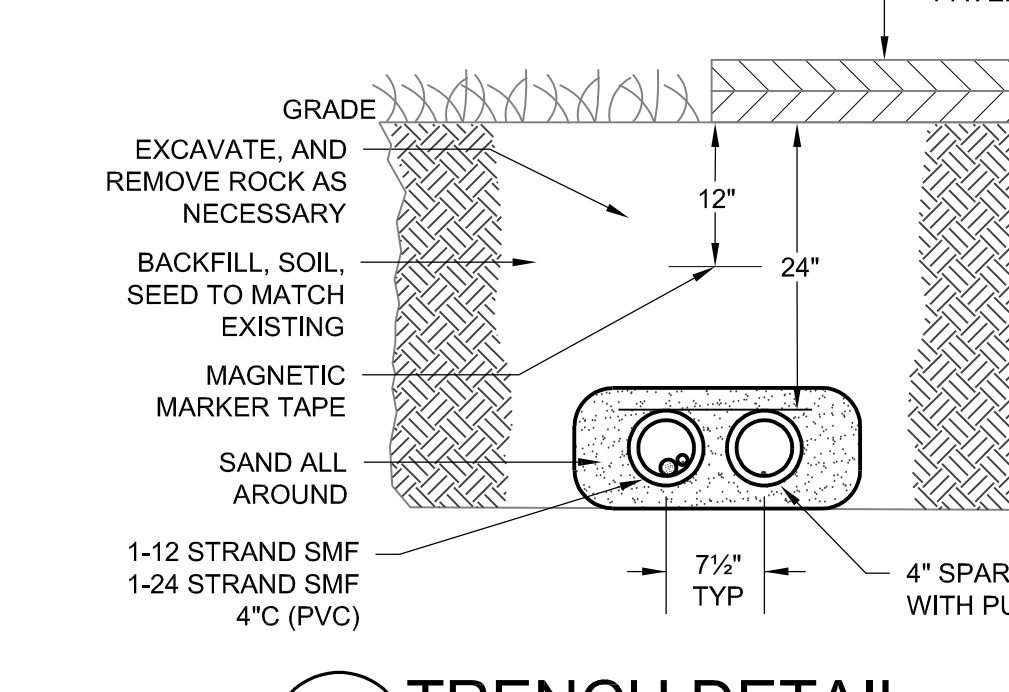




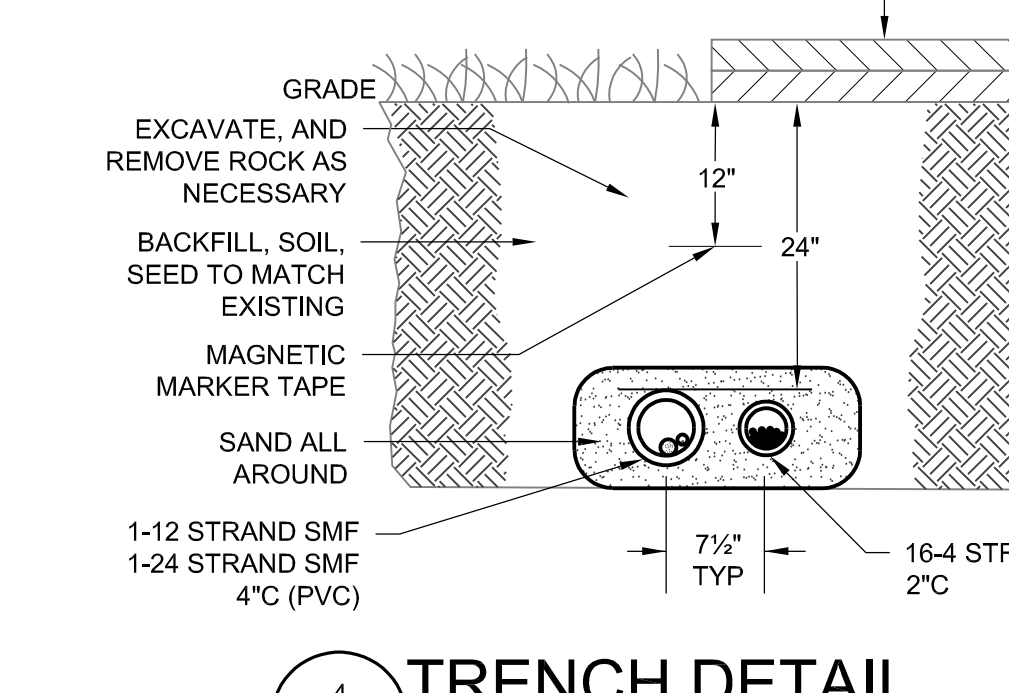
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E1.10B SCALE: NONE



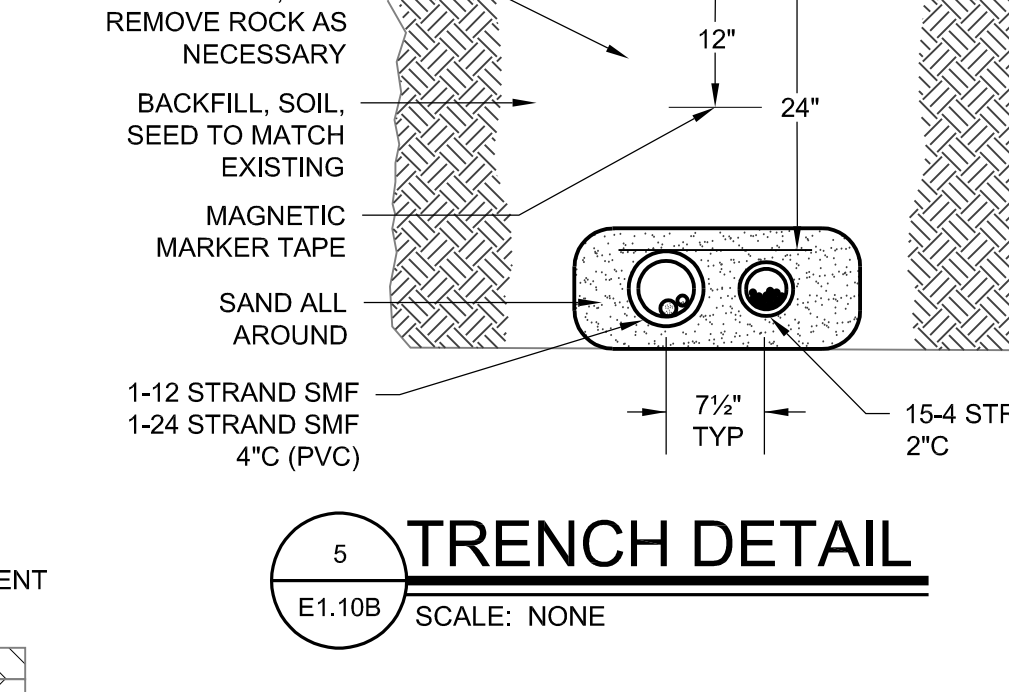
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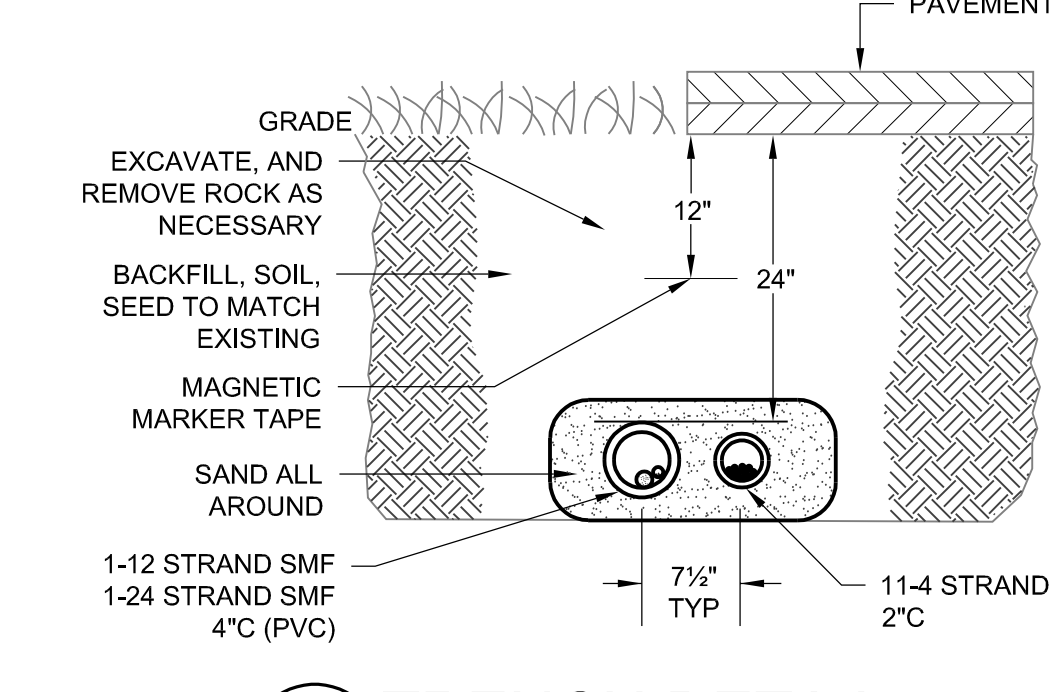
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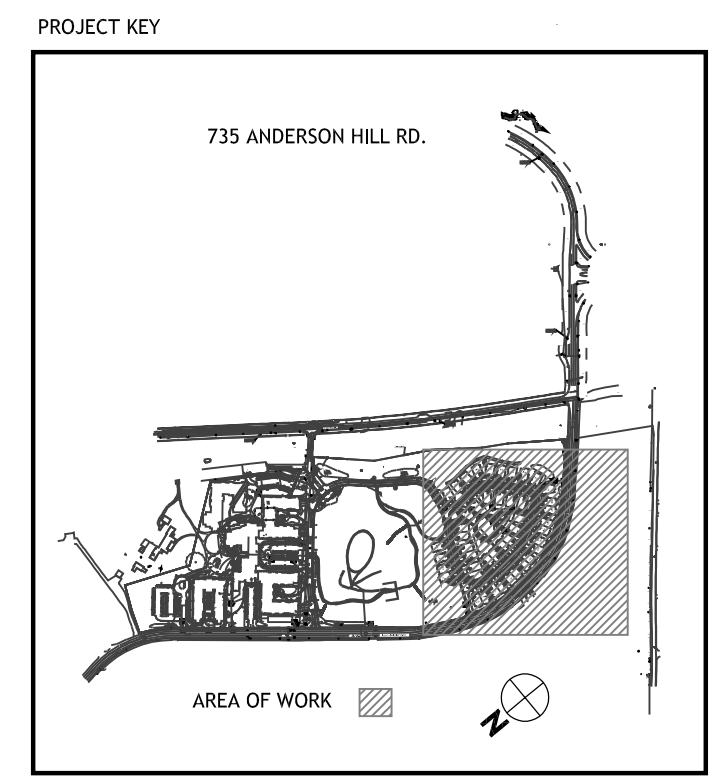
4 TRENCH DETAIL  
E1.10B SCALE: NONE



5 TRENCH DETAIL  
E1.10B SCALE: NONE



6 TRENCH DETAIL  
E1.10B SCALE: NONE



SCALE 1\"/>

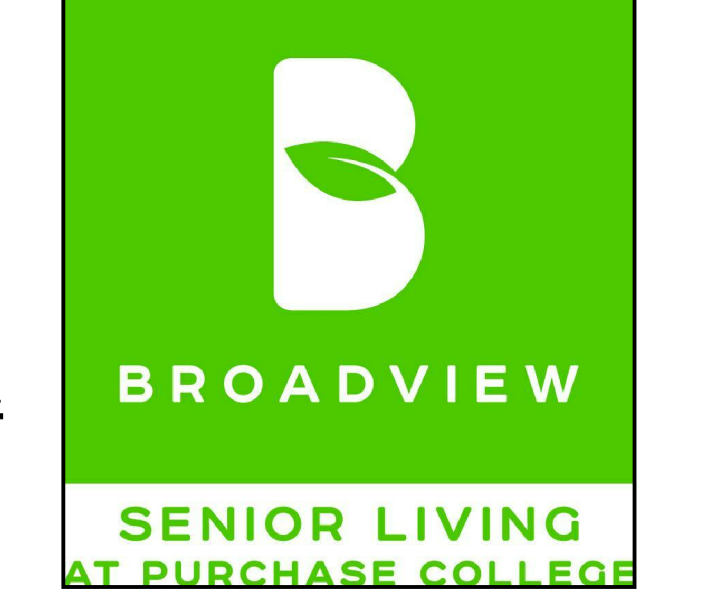
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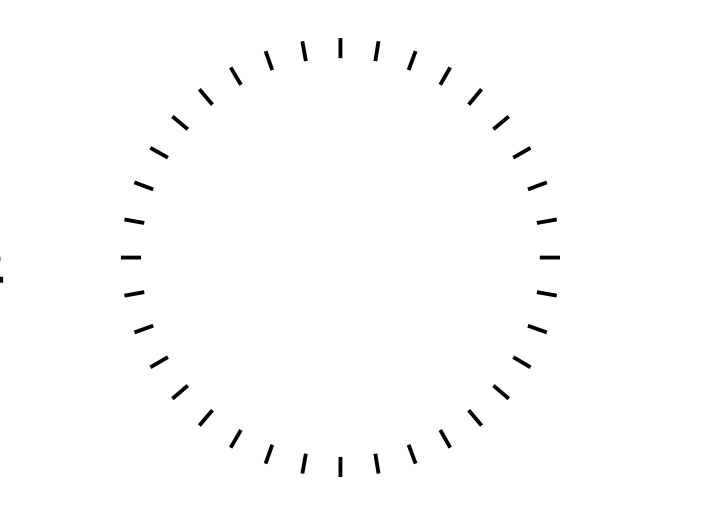
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BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE

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10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	81
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	82
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	83
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	84
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	85
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	86
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	87
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10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	90
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	91
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	92
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	93
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10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	96
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	97
10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	98
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10/09/20	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE	100

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**BROADVIEW**

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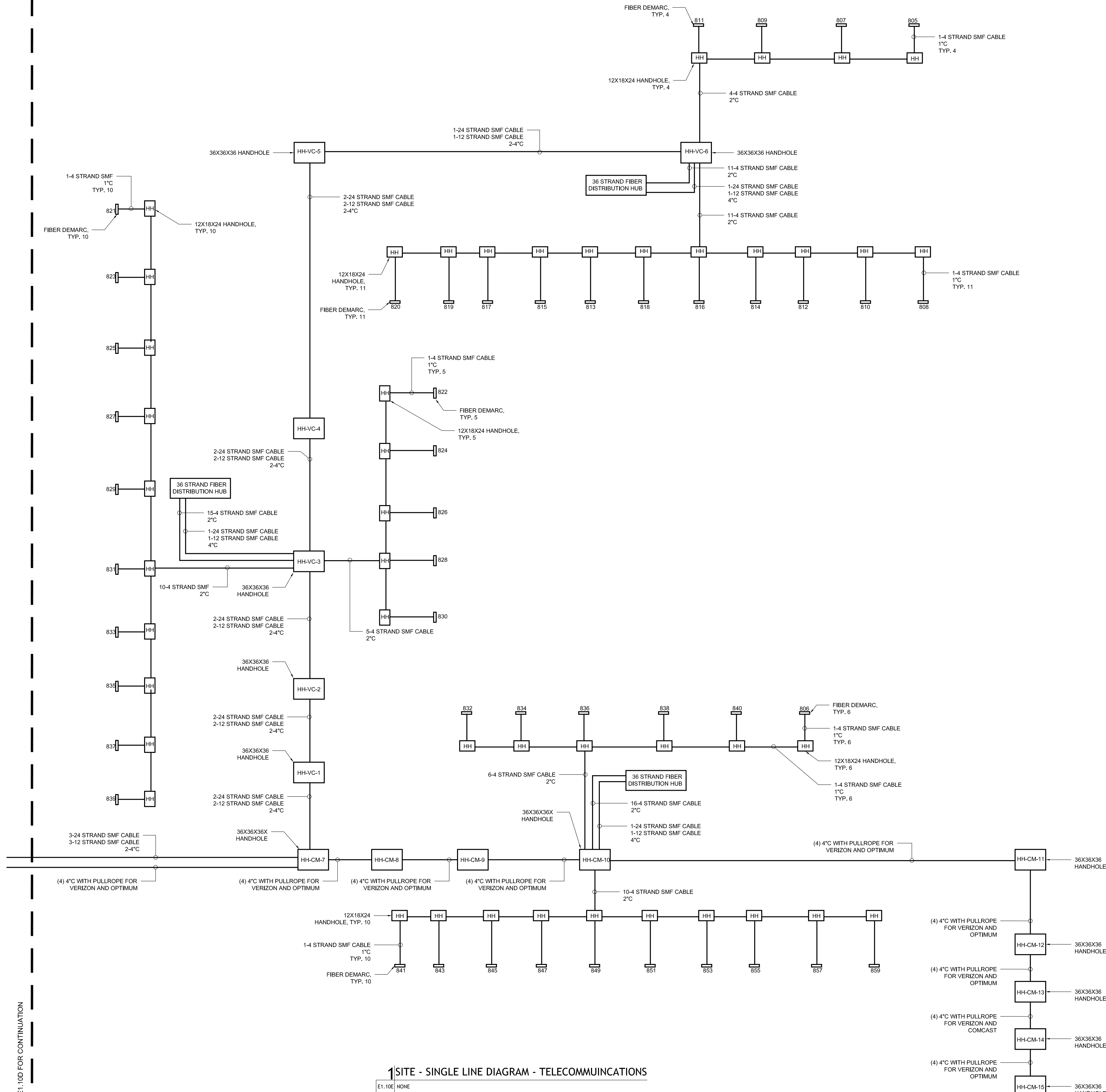


E1.10D	NONE
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SEE E1 10E FOR CONTINUATION



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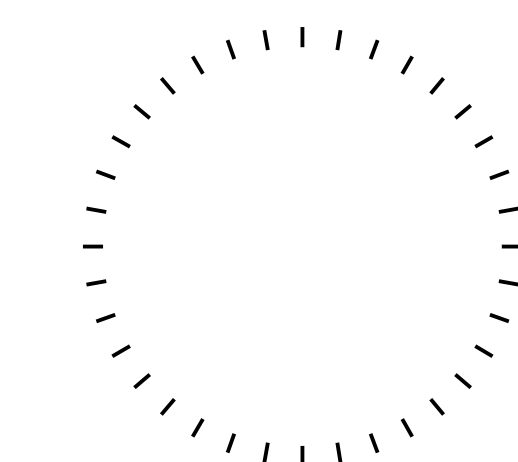
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BROADVIEW - SENIOR LIVING AT PURCHASE  
COLLEGE - SITE

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no.	date	revision

Project Name  
BROADVIEW - SENIOR LIVING AT PURCHASE  
COLLEGE - SITE  
Project Number  
215042.00

Date  
10.09.20

Scale  
As Indicated

Drawing  
SITE SINGLE LINE DIAGRAM -  
TELECOMMUNICATIONS

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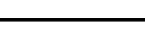




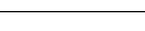

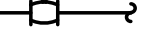
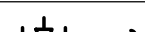
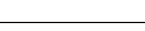




## FUEL GAS NOTES

1. INSTALL NATURAL GAS PIPING IN ACCORDANCE WITH NFPA 54, THE 2020NEW YORK FIRE GAS CODE, AND THE 2020 NEW YORK BUILDING CODE. CONTRACTOR SHALL COORDINATE WITH CON EDISON FOR ANY WORK INVOLVING NATURAL GAS PIPING. CON EDISON CASE NUMBER: MC-336817
2. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPE SYSTEMS. INDICATED LOCATIONS AND ARRANGEMENTS ARE USED TO SIZE PIPE AND CALCULATE FRICTION LOSS, EXPANSION, AND OTHER DESIGN CONSIDERATIONS. INSTALL PIPING AS INDICATED UNLESS DEVIATIONS TO LAYOUT ARE APPROVED ON COORDINATION DRAWINGS BY ENGINEER.
3. INSTALL PIPING AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE PROHIBITED UNLESS SPECIFICALLY INDICATED OTHERWISE. INSTALL PIPE FREE OF SAGS AND BENDS.
4. USE ECCENTRIC REDUCER FITTINGS TO MAKE REDUCTION IN PIPE SIZES. INSTALL FITTINGS LEVEL SIDE DOWN.
5. CONNECT BRANCH PIPING FROM TOP OR SIDE OF HORIZONTAL PIPING.
6. INSTALL UNIONS IN PIPES 2" AND SMALLER, ADJACENT TO EACH VALVE, AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT.
7. DO NOT USE NATURAL GAS PIPING AS GROUNDING ELECTRODE.
8. INSTALL STRAINER ON INLET OF EACH LINE-PRESSURE REGULATOR.
9. INSTALL PRESSURE GAUGE UPSTREAM AND DOWNSTREAM FROM EACH LINE REGULATOR.
10. INSTALL BELOW GRADE VALVES WITH VALVE BOXES.
11. INSTALL REGULATORS AND OVERPRESSURE PROTECTION DEVICES WITH MAINTENANCE ACCESS SPACE ADEQUATE FOR SERVICING AND TESTING.
12. PROVIDE ALL DEVICES NOTES ABOVE WHETHER SHOWN ON INSTALLATION DETAILS OR NOT.

## GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH AND BE INSTALLED IN ACCORDANCE WITH THE SUPPLEMENTAL UNIFORM CODE AND FIRE PREVENTION BUILDING CODE, 2020 NEW YORK BUILDING CODE, 2020 NEW YORK FIRE AND ALL CODES LOCAL OR OTHERWISE HAVING JURISDICTION OVER THE WORK.
2. PIPING IS DIAGRAMMATICALLY SHOWN. EXACT ROUTING OF NEW PIPING SHALL BE DETERMINED IN FIELD WITH THE APPROVAL OF THE ENGINEER.
3. THE WORDS PROVIDE OR INSTALL, SINGLY OR IN COMBINATION SHALL MEAN FURNISH AND INSTALL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING TO MATCH EXISTING SURFACES AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
5. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED WORK, INCLUDING PROTECTION OF BUILDING OCCUPANTS AND OWNERS EQUIPMENT, PUBLIC, AND PERSONNEL. PROVIDE APPROPRIATE BARRIERS, AND SAFETY GUARD RAILS AS REQUIRED.
6. WHERE WELDING OR OPEN FLAME IS USED FOR CUTTING, SOLDERING, ETC., CONTRACTOR SHALL PROVIDE FIRE EXTINGUISHERS AND A FIRE WATCH IN PROXIMITY OF WORK AREA.
7. ALL WORK SHALL BE COORDINATED WITH ALL TRADES RELATED TO THE COMPLETION OF THIS PROJECT.
8. THE CONTRACTOR SHALL FILE PLANS WITH THE GOVERNING AUTHORITIES HAVING JURISDICTION AND SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE INSTALLATION OF HIS WORK.
9. THE CONTRACTOR SHALL GUARANTEE ALL MATERIAL AND WORK INSTALLED TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR. AFTER ACCEPTANCE OF THE INSTALLATION BY THE ENGINEER AND OWNER, THE CONTRACTOR SHALL SUBMIT IN WRITING TO OWNER STATING THE SAME. EQUIPMENT WARRANTIES OF A LONGER DURATION SHALL APPLY.
10. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, HIS REPRESENTATIVES AND THE ENGINEER FROM ANY CLAIMS OR SUITS RESULTING IN NEGLIGENCE ON THE PART OF THE CONTRACTOR AND FOR FAILING TO EXECUTE HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
11. THE CONTRACTOR SHALL PROVIDE ALL RIGGING, HOISTING AND SCAFFOLDING AS REQUIRED FOR THE INSTALLATION OF HIS WORK.
12. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS AND WORKMEN EXPERIENCED IN THE TRADE HAVING JURISDICTION. ALL WORK SHALL BE SUPERVISED AT ALL TIMES AND WORKMANSHIP SHALL BE FIRST CLASS IN ALL RESPECTS AND IN ACCORDANCE WITH BEST TRADE PRACTICES.
13. ANY DEVIATION OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND SIGNED BY THE OWNER. ANY WORK INSTALLED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER OR FOUND TO BE DEFECTIVE IN ANY WAY SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
14. ALL CONSTRUCTION WORK SHALL BE CONFINED TO THE AREA INDICATED ON PLANS AND SHALL NOT BLOCK MEANS OF EGRESS FOR OCCUPANTS OF THE BUILDING.
15. ALL WORK SHALL BE PERFORMED DURING NORMAL WORKING HOURS: 8AM TO 5PM MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAYS OR FOR EMERGENCY REPAIRS, UNLESS DIRECTED OTHERWISE BY THE OWNER. WORKING HOURS MUST BE COORDINATED WITH GENERAL CONTRACTOR. HOWEVER, THE CONTRACTOR MAY WORK EXTRA HOURS TO COMPLETE THE CONTRACT SCOPE OF WORK AND MEET THE COMPLETION DATE AT NO ADDITIONAL COST TO OWNER, AS LONG AS OWNER HAS BEEN PROPERLY NOTIFIED AND HAS APPROVED SAME.
16. ROUGH PATCHING OF WALLS, FLOORS, ETC. SHALL BE BY TRADE WHOM PERFORMED WORK UNLESS OTHERWISE NOTED AND SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. WORK AREA SHALL BE LEFT BROOM CLEAN AT THE END OF EACH DAY. ALL DISCARDED AND DEMOLISHED MATERIAL AND RUBBISH SHALL BE REMOVED FROM PREMISES DAILY IN A LEGAL AND APPROVED MANNER. FINAL PATCHING AND PAINTING SHALL BE PERFORMED BY GENERAL CONTRACTOR.
17. THE CONTRACTOR SHALL SUBMIT DIGITAL COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT, PIPING, AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK. WITHIN TWO WEEKS AFTER AWARD OF CONTRACT, SHOP DRAWINGS SHALL INDICATE ALL TECHNICAL DATA, STRUCTURAL MEMBERS, WALLS, FLOORS, DUCTWORK, ETC., WITH ELEVATIONS AT WHICH NEW WORK IS TO BE INSTALLED. ANY DEVIATION IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND OWNER.
18. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF CONTRACT DRAWINGS.
19. THE CONTRACTOR SHALL MAINTAIN ON THE JOB SITE A SET OF SHOP DRAWINGS IN WHICH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED. UPON COMPLETION OF THE INSTALLATION OF NEW WORK THE CONTRACTOR SHALL TURN OVER TO THE OWNER AND ENGINEER (1) SET OF AS-BUILT REPRODUCIBLE DRAWINGS AND (2) SET OF PRINTS INCLUDING ALL APPROVED FIELD CHANGES AND DESIGN DEVIATIONS PRIOR TO RECEIPT OF FINAL PAYMENT BY OWNER.
20. ALL WORK SHOWN ON ALL DRAWINGS IS TO BE PROVIDED UNLESS OTHERWISE NOTED.
21. ALL PENETRATIONS THROUGH PARTITIONS, FLOORS, WALLS AND ROOF FOR ALL PIPING AND CONDUIT SHALL BE SEALED AND FIRE SAFOED OFF TO MAINTAIN FIRE INTEGRITY OF EXISTING STRUCTURE.
22. CONFLICTS WITH DESIGN WITH WORK PERFORMED BY CON EDISON SHOULD HAVE NO ADDITIONAL COST TO OWNER. COORDINATE ALL WORK.
23. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, AS WELL AS BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF THE WORK.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING REASONABLE PRECAUTIONS AND SHALL PROVIDE REASONABLE PROTECTION TO PREVENT INJURY OR DAMAGE TO PERSONS, THE WORK AND OTHER PROPERTY.

## LEGEND

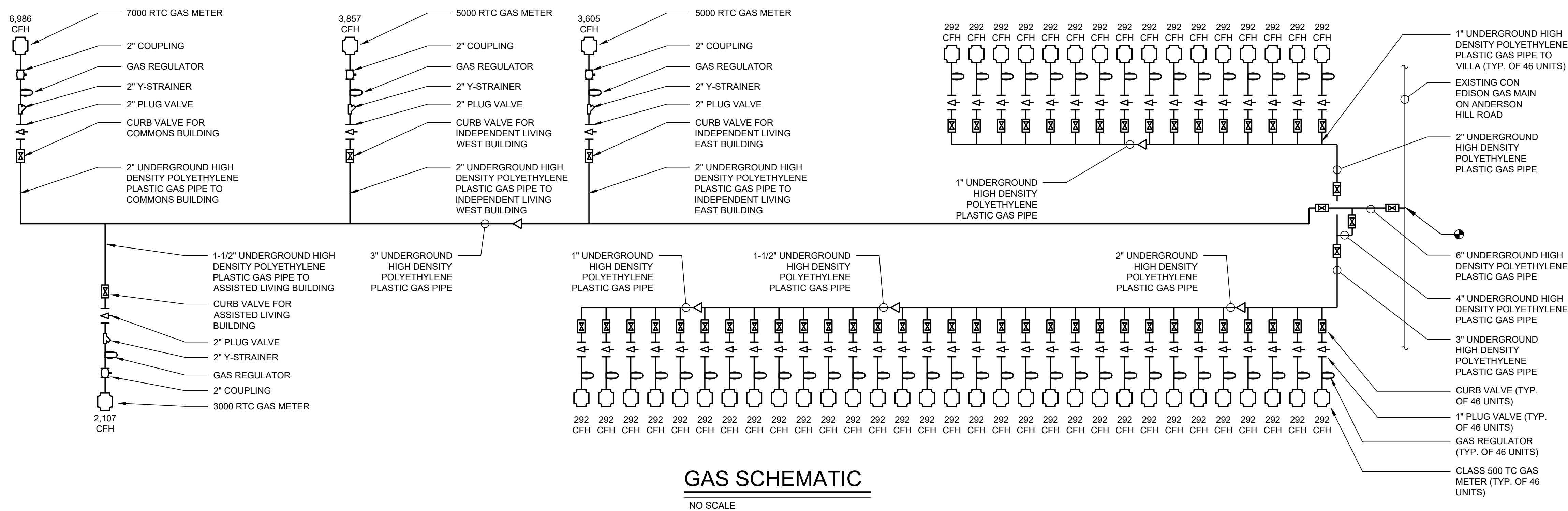
SYMBOL	DESCRIPTION
	EXISTING WORK / BY OTHERS
	WORK TO BE PROVIDED
	RISER
	ELBOW DOWN
	Y-STRAINER
	PIPE REDUCER / INCREASER
	COUPLING
	PLUG VALVE
	PIPE CAPPED
	PRESSURE GAUGE
	CURB VALVE BOX
	GAS REGULATOR
	GAS METER
	POINT OF CONNECTION
CFH	CUBIC FEET PER HOUR
IN.	INCHES
MAX	MAXIMUM
MIN	MINIMUM
NO.	NUMBER
(TYP.)	TYPICAL
"W. G.	INCHES WATER GAUGE
PSI	POUNDS PER SQUARE INCH

NOTE: ALL WORK IS TO BE PROVIDED UNLESS OTHERWISE NOTED

BUILDING	GAS CAPACITY	MINIMUM PRESSURE	MAXIMUM PRESSURE
ASSISTED LIVING	2,107 CFH	7" W.C.	1 PSI
INDEPENDENT LIVING EAST	3,605 CFH	7" W.C.	1 PSI
INDEPENDENT LIVING WEST	3,857 CFH	7" W.C.	1 PSI
COMMONS	6,986 CFH	7" W.C.	1 PSI
VILLAS (46 UNITS)	292 CFH X 46 UNITS = 13,432 CFH	-	7" W.C.
TOTAL	29,987 CFH		

# NATURAL GAS SITE PLAN SHEET LIST

SHEET NUMBER	SHEET NAME
NGS0.01	NATURAL GAS LEGENDS AND GENERAL NOTES
NGS1.00	NATURAL GAS SITE PLAN OVERALL
NGS1.00A	NATURAL GAS SITE PLAN
NGS1.00B	NATURAL GAS SITE PLAN
NGS1.00C	NATURAL GAS SITE PLAN
NGS6.01	NATURAL GAS DETAILS
NGS6.02	NATURAL GAS DETAILS



## GAS SCHEMATIC

NO SCALE

CONTRACTOR TO HIRE SERVICES OF  
OUTSIDE AGENCY FOR MARKING OUT ALL  
UNDERGROUND UTILITIES. MARK OUT UNDER  
AND 6'-0" BOTH SIDES OF EXCAVATION AREA  
AND ENTIRE LENGTH. CONTRACTOR IS  
RESPONSIBLE FOR ANY DAMAGED UTILITIES  
AND COST FOR THE REPAIRS.

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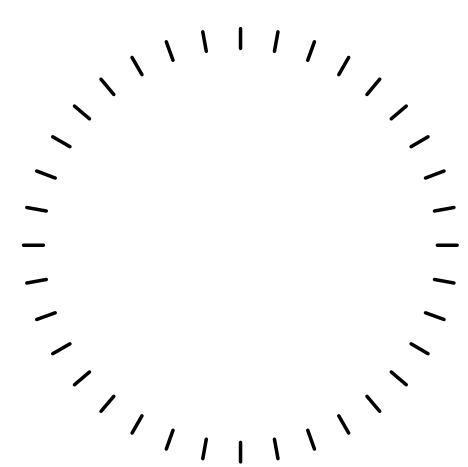
**BROADVIEW**

**SENIOR LIVING**  
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE  
COLLEGE - SITE

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COLLEGE - SITE  
Project Number  
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Date \_\_\_\_\_  
10.09.20

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As indicated

Drawing \_\_\_\_\_  
NATURAL GAS LEGENDS AND  
GENERAL NOTES

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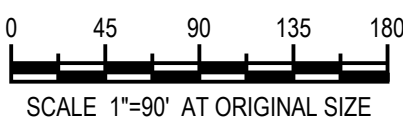
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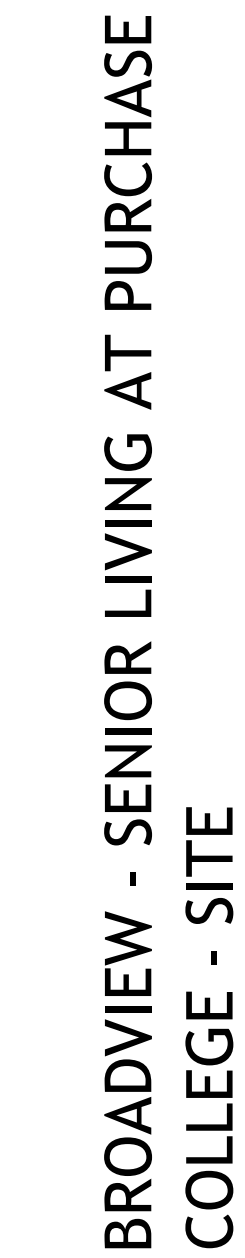
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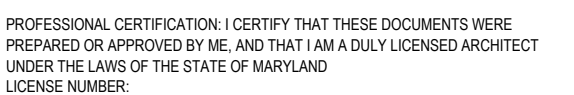




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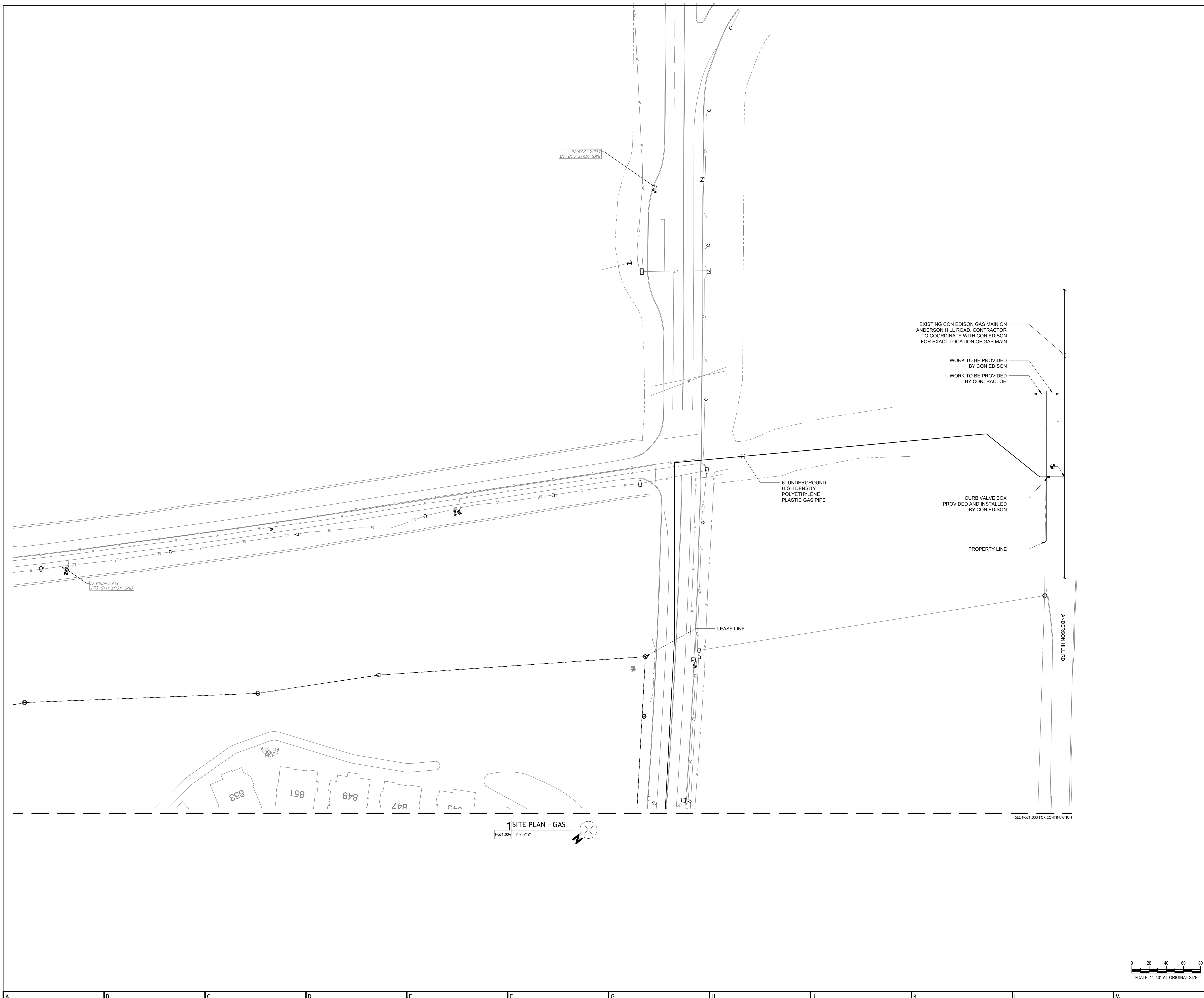


Project Name	BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE
Project Number	215042.00

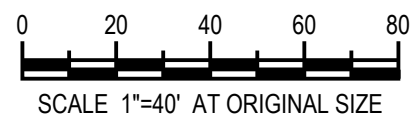
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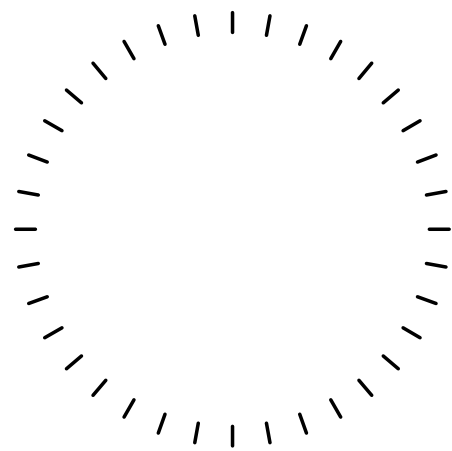


**BROADVIEW**

**SENIOR LIVING**  
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BROADVIEW - SENIOR LIVING AT PURCHASE  
COLLEGE - SITE

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Project Number	215042.00

Date  
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Scale  
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Drawing  
NATURAL GAS SITE PLAN

# NGS1.00B

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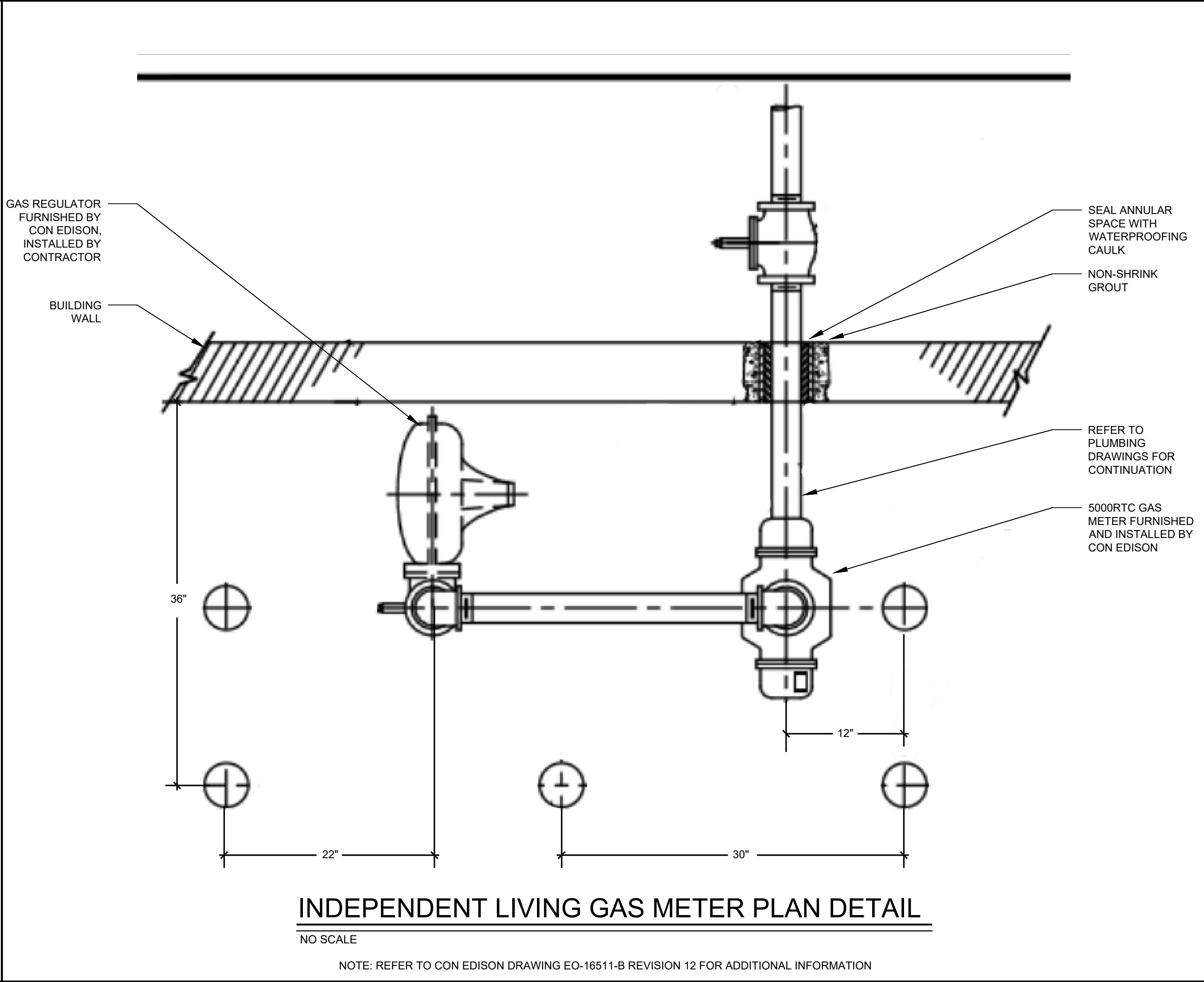
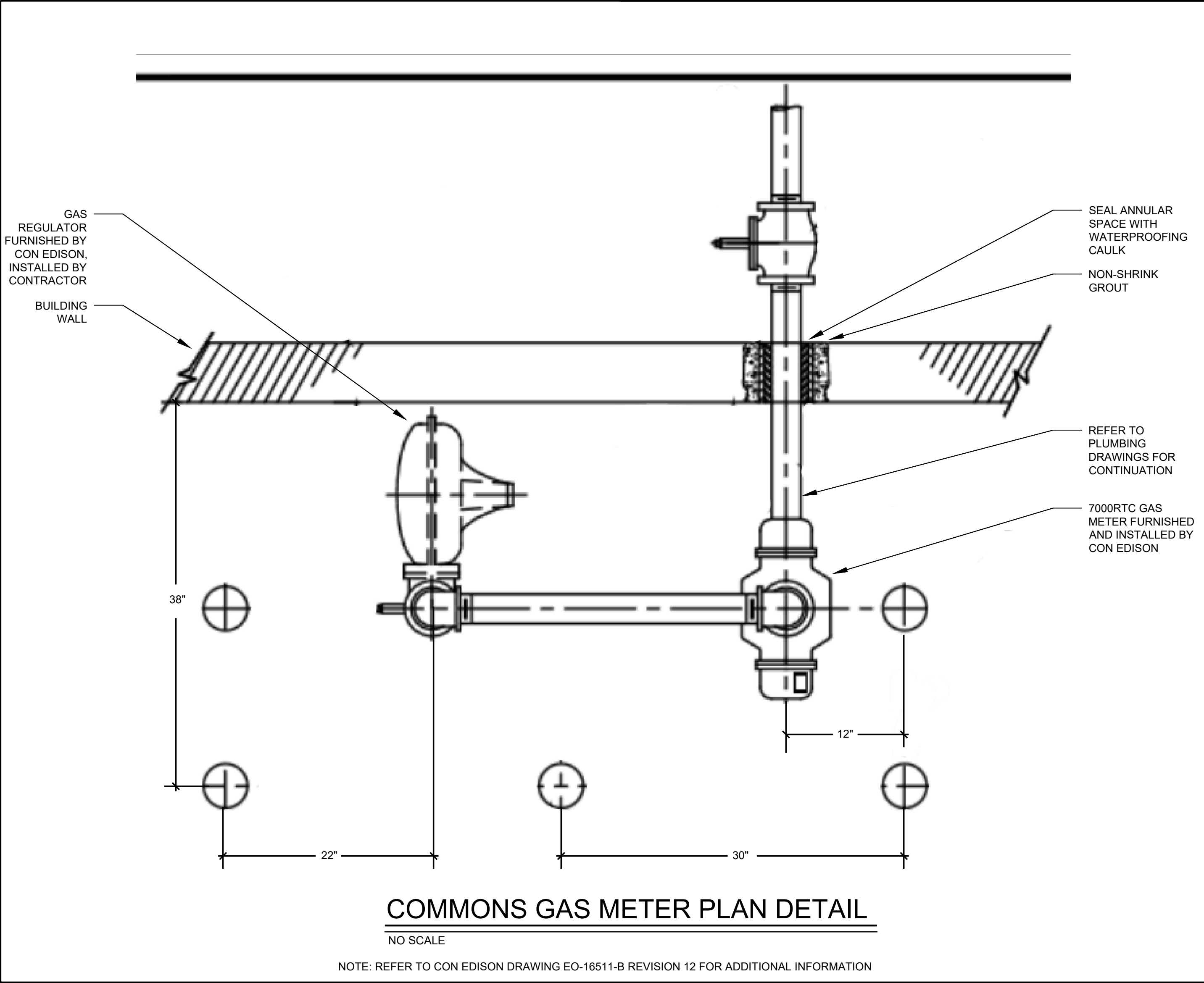
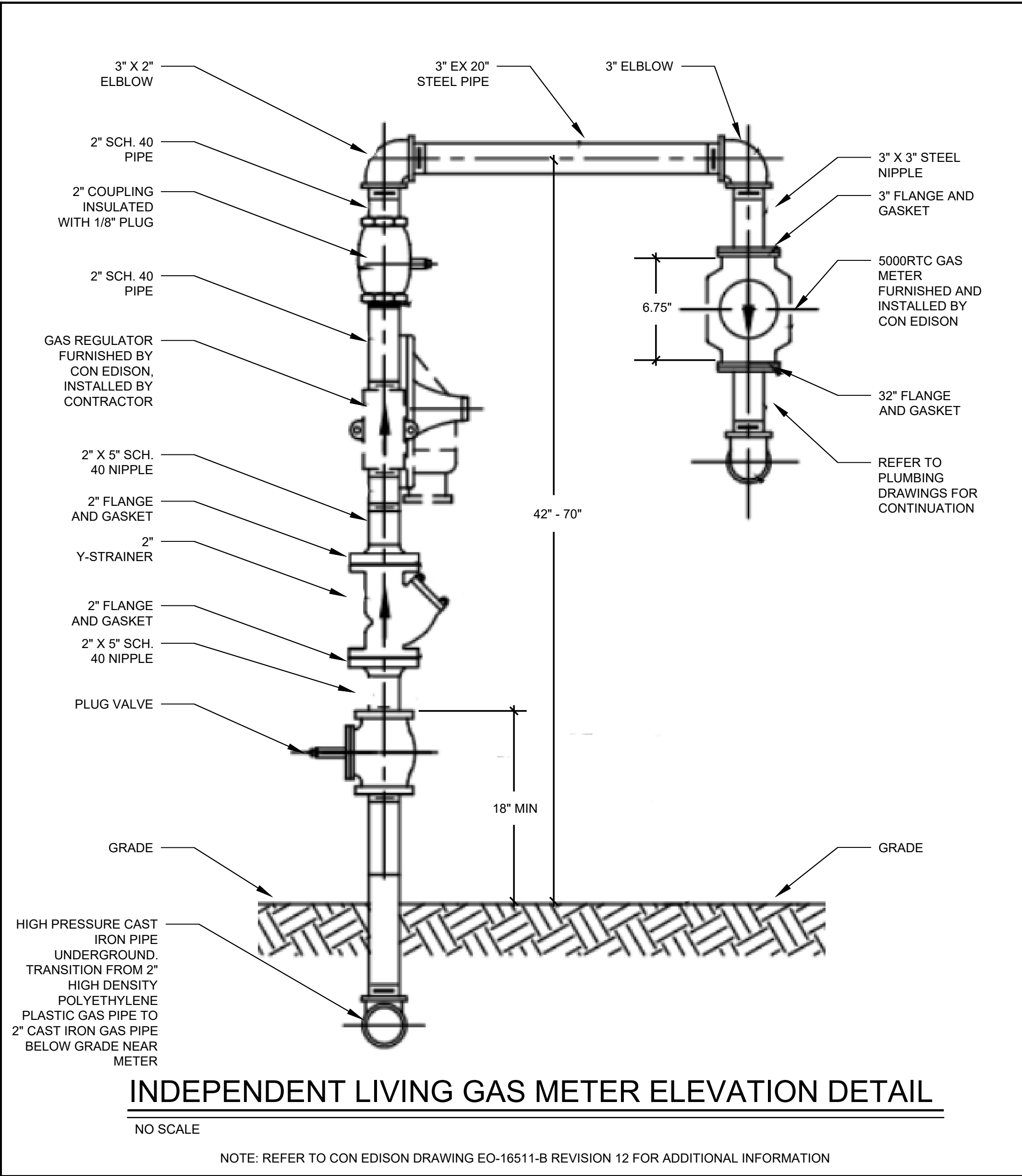
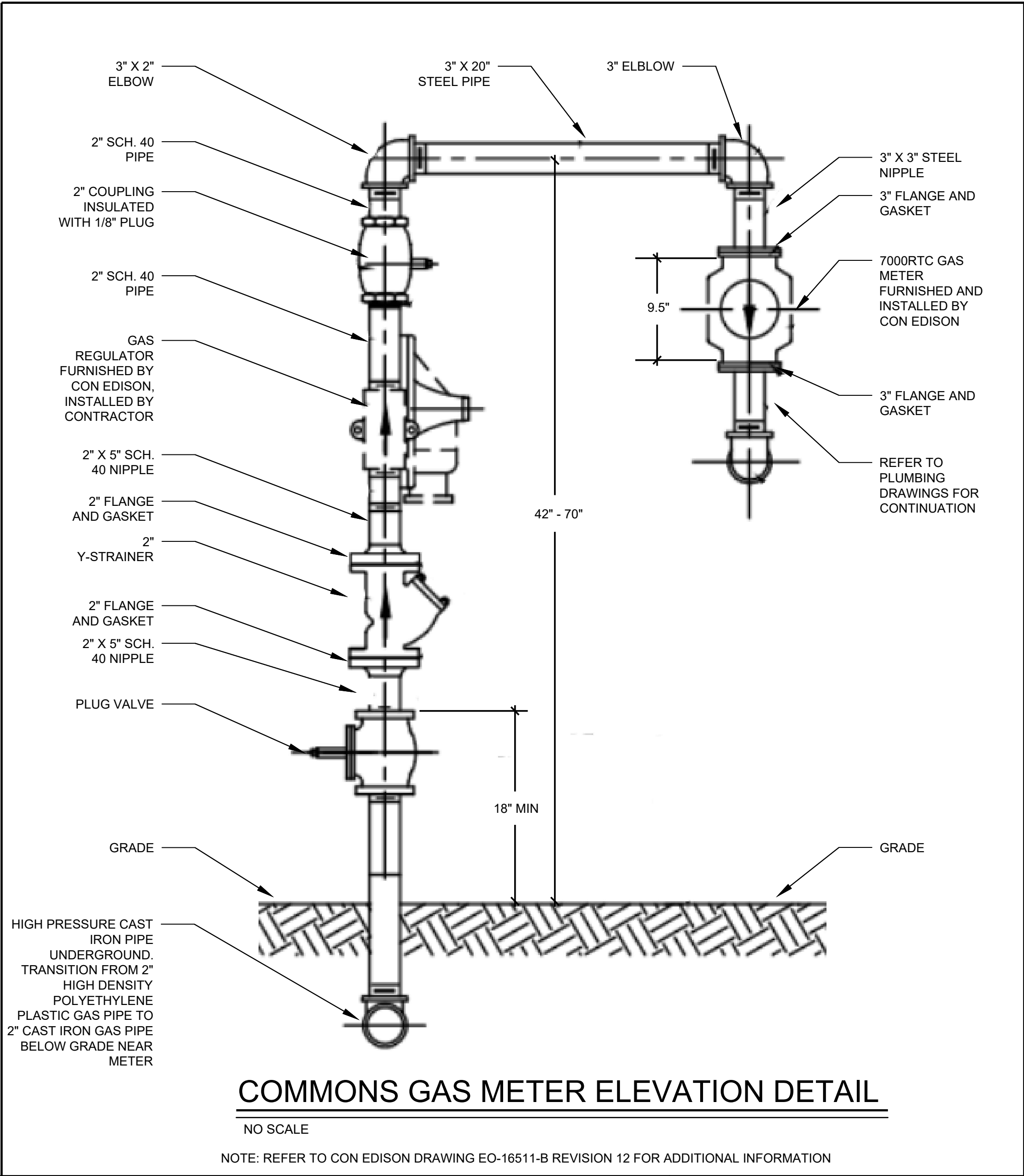












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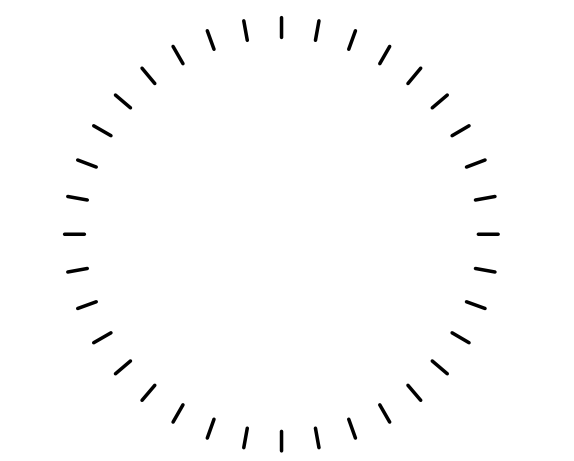
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**BROADVIEW**  
SENIOR LIVING  
AT PURCHASE COLLEGE

BROADVIEW - SENIOR LIVING AT PURCHASE  
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no.	date	revision

Project Name  
BROADVIEW - SENIOR LIVING AT PURCHASE COLLEGE - SITE  
Project Number  
215042.00  
Date  
10.09.20  
Scale  
As indicated  
Drawing  
NATURAL GAS DETAILS

NGS6.02