



ADDENDUM NUMBER: One (1)

DATE: November 12, 2025

PROJECT: MONTGOMERY COUNTY EMS STATION 28

DESIGNER: DOUGLAS A. JONES, ARCHITECT
MONTGOMERY COUNTY ENGINEERING

BID OPENING: December 4, 2025, at 2:00 P.M.

TO PLANHOLDERS: This addendum is issued to modify the original Project Manual and Project Drawings, dated November 3, 2025, and is hereby made part of the contract documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Review changes to each portion of the work, as changes of one portion may affect the work of another.

INFORMATION AVAILABLE TO BIDDERS

ITEM 01

An investigation was conducted to determine the presence and probable extent of Asbestos & Lead Base Paint in the existing building materials by Thomas Environmental Services on 4/11/2025.

The report of the findings of this investigation may be downloaded from the Information Available to Bidders subfolder in the Bidding Documents folder for the project.

ITEM 02

A sub-surface investigation has been performed at the project site by TTL Engineering, and a Geotechnical Report was issued on 7/11/2025.

This sub-surface report was obtained solely for design purposes and is not a part of the Contract Documents. The use and interpretation of this information for any other purpose shall be entirely the responsibility of the using party.

The Owner is not responsible for variations in the sub-surface conditions. Bidders shall decide for themselves the character of the material to be encountered.

The report of the findings of this investigation may be downloaded from the Information Available to Bidders subfolder in the Bidding Documents folder for the project.

ITEM 03

Design drawings for the existing building to be demolished are being furnished for informational purposes and are not a part of the Contract Documents. The use and interpretation of this information for any other purpose shall be entirely the responsibility of the using party.

MONTGOMERY COUNTY EMS STATION 28
ADDENDUM NUMBER ONE
November 12, 2025
PAGE 2

The Owner is not responsible for variations in existing condition from the design documents.

The existing building drawings may be downloaded from the Information Available to Bidders subfolder in the Bidding Documents folder for the project.

PROJECT MANUAL:

ITEM 04

SECTION 08 35 00 - FOUR-FOLD METAL DOORS, PART 2 – PRODUCTS, 2.1 MANUFACTURERS, A. Manufacturers: Add the following: "d. Model 93 – JUS Doors".

ITEM 05

SECTION 28 31 00 – FIRE ALARM SYSTEMS, PART 2 – PRODUCTS, 2.1 MANUFACTURERS; Add the Following: "E. Equal Devices from Potter Electric Signal Company, LLC".

Clarification: Equal Devices from Potter are acceptable. Bidders are responsible for insuring system proposed is equal to that specified.

PROJECT DRAWINGS:

ITEM 06

SHEET C6.0 - UTILITY PLAN; Delete Sheet C6.0 dated 11/03/2025 in its entirety. Substitute therefor: Sheet C6.0 - UTILITY PLAN dated 11/12/2025 attached hereto.

Clarification: Added note regarding location of existing sewer service line to remain. Add note regarding tie into existing 2-inch water meter.

ITEM 07

SHEET C6.1 - SANITARY SEWER PLAN & PROFILE; Delete Sheet C6.1 dated 11/03/2025 in its entirety. Substitute therefor: Sheet C6.1 - SANITARY SEWER PLAN & PROFILE dated 11/12/2025 attached hereto.

Clarification: Changed slope of sanitary line to meet slope requirements for 10-inch line.

ITEM 08

SHEET C8.3 - GENERAL SITE DETAILS; Delete Sheet C8.3 dated 11/03/2025 in its entirety. Substitute therefor: Sheet C8.3 - GENERAL SITE DETAILS dated 11/12/2025 attached hereto.

Clarification: Deleted Sanitary Manhole Detail and moved Rip Rap Detail to sheet C8.6.

ITEM 09

SHEET C8.4 - GENERAL SITE DETAILS; Delete Sheet C8.4 dated 11/03/2025 in its entirety. Substitute therefor: Sheet C8.4 - GENERAL SITE DETAILS dated 11/12/2025 attached hereto.

Clarification: Manhole Detail was added.

ITEM 10

SHEET C8.6 - GENERAL SITE DETAILS; Delete Sheet C8.6 dated 11/03/2025 in its entirety. Substitute therefor: Sheet C8.6 - GENERAL SITE DETAILS dated 11/12/2025 attached hereto.

Clarification: Relocated Rip Rap Detail from sheet C8.3.

ITEM 11

SHEET M1.1 - HVAC LEGENDS & SCHEDULES; Delete Sheet M1.1 dated 11/03/2025 in its entirety. Substitute therefor: Sheet M1.1 - HVAC LEGENDS & SCHEDULES dated 11/12/2025 attached hereto.

Clarification: Additional acceptable manufacturers added to HVLS Fan SCHEDULE & Exhaust Fan Schedules.

ITEM 12

SHEET E0.1 - ELECTRICAL SITE PLAN; Delete Sheet E0.1 dated 11/03/2025 in its entirety. Substitute therefor: Sheet E0.1 - ELECTRICAL SITE PLAN dated 11/12/2025 attached hereto.

Clarification: Relocated service entrance equipment and ATS.

ITEM 13

SHEET E1.0 - LIGHTING FLOOR PLAN; Delete Sheet E1.0 dated 11/03/2025 in its entirety. Substitute therefor: Sheet E1.0 - LIGHTING FLOOR PLAN dated 11/12/2025 attached hereto.

Clarification: Added lighting fixture label to light in closet 121.

ITEM 14

SHEET E2.0 - POWER FLOOR PLAN; Delete Sheet E2.0 dated 11/03/2025 in its entirety. Substitute therefor: Sheet E2.0 - POWER FLOOR PLAN dated 11/12/2025 attached hereto.

Clarification: Relocated service entrance equipment and ATS.

ITEM 15

SHEET E3.0 - SYSTEMS FLOOR PLAN; Delete Sheet E3.0 dated 11/03/2025 in its entirety. Substitute therefor: Sheet E3.0 - SYSTEMS FLOOR PLAN dated 11/12/2025 attached hereto.

Clarification: Several symbols have been added & updated.

ITEM 16

SHEET E5.0 - PANEL SCHEDULES; Delete Sheet E5.0 dated 11/03/2025 in its entirety. Substitute therefor: Sheet E5.0 - PANEL SCHEDULES dated 11/12/2025 attached hereto.

Clarification: Changed 'Serviced From' in panel schedules. Load description changed from copier to ice maker.

QUESTIONS & ANSWERS:

- Q:** I am curious about the need for a 520Hz tone in the five sleeping areas in this station. It does not appear to be a part of the specs and/or drawings. Will this be a requirement?
- A:** No, a 520Hz tone is not required.

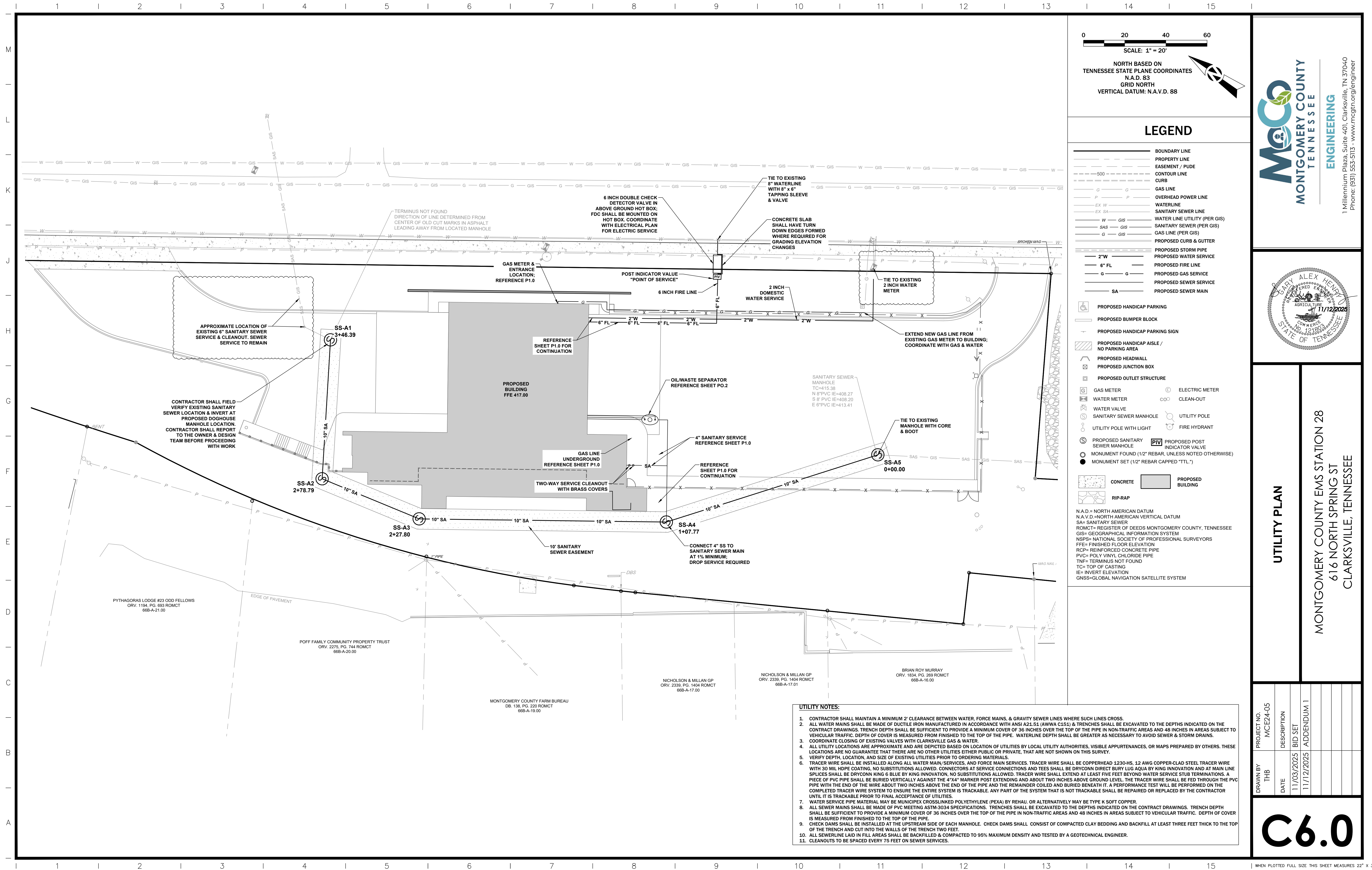
MONTGOMERY COUNTY EMS STATION 28
ADDENDUM NUMBER ONE
November 12, 2025
PAGE 4

- Q:** Sheet C2.0 calls out a 105LF cast-in-place retaining wall. It states to reference the structural drawings for more information. Structural drawings do not detail or show this wall. Can more information be provided?
- A:** The Retaining Wall is detailed on Sheet S3.1 – FOUNDATION DETAILS.
- Q:** Access controls are stated as N.I.C per sheet E3.0. It is interpreted that the GC will provide raceways & backboxes while Owner vendor will provide & install all cabling, devices, & terminations. Please advise.
- A:** Yes, that is correct. Raceways & backboxes are to be provided by the Contractor. The owner will provide the cabling, devices (except for Electric Strikes specified in Section 08 71 00 - Finish Hardware) and terminations. The same for raceways & backboxes for the data & empty junction boxes on Sheet E3.0 SYSTEMS FLOOR PLAN. Cabling, devices, terminations & equipment will be by the owner.
- Q:** Plans & Specifications reference a geotechnical report dated July 11, 2025, by TTL. Can this document be provided?
- A:** Yes, the results are available in the Information Available to Bidders subfolder. Refer to Item 2.
- Q:** Plumbing plans do not provide material / insulation schedules for piping. Can this information be provided?
- A:** Plumbing pipe materials is specified in Section 22 11 16 Plumbing Piping, and insulation is specified in Section 22 07 00 Piping Insulation.
- Q:** Will tap, meter, utility provider fees for permanent utilities be the responsibility of the GC or the Owner?
- A:** Any tap fees required for the new 6" fire line will be the responsibility of the Contractor. There aren't tap fees required for the 2" domestic as the existing meter is to remain. Water service during construction will be paid by the Owner per Part 1 – General, 1.3 Use Charges of Section 01 50 00 – Temporary Facilities & Controls.
- Q:** Are permit & plan review fees to be paid by the GC or the Owner?
- A:** The General Contractor shall pay for any Demolition Permit, Building Permit, & Plan Review Fees required by the City of Clarksville. The Plans have been sent to the City of Clarksville Building & Codes Department.
- Q:** Closet 121 - what is the light in this room?
- A:** Type 'C' fixture will be used in this room. See revised sheet E1.0.
- Q:** Who will supply the big fan in the bay? if electrical Will we need info on what is to be supplied.
- A:** The Fan is scheduled on the HVLS Fan Schedule on Sheet M1.1 - HVAC LEGENDS & SCHEDULES and Called out on Sheet M2.1 - HVAC FLOOR PLAN. Sheet M1.1 has been revised to add additional acceptable manufacturers. Refer to Item No. 11 above.
- Q:** Can we use alum wire for the feeder on the service?
- A:** Yes, AL feeders may be used, but CU shall be used for grounding wires and electrodes for service entrance equipment.
- Q:** Can the main disconnect be install beside the ATS in the back?
- A:** See new location shown on revised sheets E0.01 and E2.0.

- Q:** Who will supply Locution and install system?
- A:** The Contractor will be responsible for the raceways & backboxes for the Locution Station Alerting System shown on Sheet LV.1. Cabling, devices, terminations & equipment will be by the owner's vendor under a separate contract.
- Q:** Under the Fire alarm specs they are calling for manufactures that we do not install. Will the EMS station be willing to have Potter installed instead?
- A:** Yes, Potter is an acceptable manufacturer. Refer to Item No. 05 above.
- Q:** I need clarification on if they want a voice evac system installed. The symbols make it look like a normal horn strobe system while part 3 note I in the manual is calling for a "separate voice evac panel".
- A:** Voice evac is not required.
- Q:** Has a risk assessment been performed on the existing facility and site for hazardous materials that may require abatement, special handling, special hauling, or special disposal?
- A:** An Asbestos & Lead Based Paint investigation on the existing building has been conducted. The results are available in the Information Available to Bidders subfolder. Refer to Item No. 1.

OTHER REQUIREMENTS AND PROVISIONS OF THE CONTRACT DOCUMENTS REMAIN UNCHANGED.

END OF ADDENDUM NUMBER ONE



0 20 40 60
SCALE: 1" = 20'
NORTH BASED ON
TENNESSEE STATE PLANE COORDINATES
N.A.D. 83
GRID NORTH
VERTICAL DATUM: N.A.V.D. 88

- ### LEGEND
- BOUNDARY LINE
 - PROPERTY LINE
 - EASEMENT / PUDE
 - CONTOUR LINE
 - CURB
 - GAS LINE
 - OVERHEAD POWER LINE
 - WATERLINE
 - SANITARY SEWER LINE
 - WATER LINE UTILITY (PER GIS)
 - SANITARY SEWER (PER GIS)
 - GAS LINE (PER GIS)
 - PROPOSED CURB & GUTTER
 - PROPOSED STORM PIPE
 - PROPOSED WATER SERVICE
 - PROPOSED FIRE LINE
 - PROPOSED GAS SERVICE
 - PROPOSED SEWER SERVICE
 - PROPOSED SEWER MAIN

- PROPOSED HANDICAP PARKING
 - PROPOSED BUMPER BLOCK
 - PROPOSED HANDICAP PARKING SIGN
 - PROPOSED HANDICAP AISLE / NO PARKING AREA
 - PROPOSED HEADWALL
 - PROPOSED JUNCTION BOX
 - PROPOSED OUTLET STRUCTURE
 - GAS METER
 - WATER METER
 - WATER VALVE
 - SANITARY SEWER MANHOLE
 - UTILITY POLE WITH LIGHT
 - PROPOSED SANITARY SEWER MANHOLE
 - MONUMENT FOUND (1/2" REBAR, UNLESS NOTED OTHERWISE)
 - MONUMENT SET (1/2" REBAR CAPPED "TTL")
 - ELECTRIC METER
 - CLEAN-OUT
 - UTILITY POLE
 - FIRE HYDRANT
 - PROPOSED POST INDICATOR VALVE
 - PROPOSED SANITARY SEWER MANHOLE
 - CONCRETE
 - RIP-RAP
 - PROPOSED BUILDING
- N.A.D.= NORTH AMERICAN DATUM
N.A.V.D.= NORTH AMERICAN VERTICAL DATUM
SA= SANITARY SEWER
ROMCT= REGISTER OF DEEDS MONTGOMERY COUNTY, TENNESSEE
GIS= GEOGRAPHICAL INFORMATION SYSTEM
NSPS= NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
FFE= FINISHED FLOOR ELEVATION
RCP= REINFORCED CONCRETE PIPE
PVC= POLY VINYL CHLORIDE PIPE
TNF= TERMINUS NOT FOUND
TC= TOP OF CASTING
IE= INVERT ELEVATION
GNSS= GLOBAL NAVIGATION SATELLITE SYSTEM

- ### UTILITY NOTES:
- CONTRACTOR SHALL MAINTAIN A MINIMUM 2' CLEARANCE BETWEEN WATER, FORCE MAINS, & GRAVITY SEWER LINES WHERE SUCH LINES CROSS.
 - ALL WATER MAINS SHALL BE MADE OF DUCTILE IRON MANUFACTURED IN ACCORDANCE WITH ANSI A21.51 (AWWA C151) & TRENCHES SHALL BE EXCAVATED TO THE DEPTHS INDICATED ON THE CONTRACT DRAWINGS. TRENCH DEPTH SHALL BE SUFFICIENT TO PROVIDE A MINIMUM COVER OF 36 INCHES OVER THE TOP OF THE PIPE IN NON-TRAFFIC AREAS AND 48 INCHES IN AREAS SUBJECT TO VEHICULAR TRAFFIC. DEPTH OF COVER IS MEASURED FROM FINISHED TO THE TOP OF THE PIPE. WATERLINE DEPTH SHALL BE GREATER AS NECESSARY TO AVOID SEWER & STORM DRAINS.
 - COORDINATE CLOSING OF EXISTING VALVES WITH CLARKSVILLE GAS & WATER.
 - ALL UTILITY LOCATIONS ARE APPROXIMATE AND ARE DEPICTED BASED ON LOCATION OF UTILITIES BY LOCAL UTILITY AUTHORITIES, VISIBLE APPURTENANCES, OR MAPS PREPARED BY OTHERS. THESE LOCATIONS ARE NO GUARANTEE THAT THERE ARE NO OTHER UTILITIES EITHER PUBLIC OR PRIVATE, THAT ARE NOT SHOWN ON THIS SURVEY.
 - VERIFY DEPTH, LOCATION, AND SIZE OF EXISTING UTILITIES PRIOR TO ORDERING MATERIALS.
 - TRACER WIRE SHALL BE INSTALLED ALONG ALL WATER MAIN/SERVICES, AND FORCE MAIN SERVICES. TRACER WIRE SHALL BE COPPERHEAD 1230-HS, 12 AWG COPPER-CLAD STEEL TRACER WIRE WITH 30 MIL HDPE COATING, NO SUBSTITUTIONS ALLOWED. CONNECTORS AT SERVICE CONNECTIONS AND TEES SHALL BE DRYCONN DIRECT BURY LUG AQUA BY KING INNOVATION AND AT MAIN LINE SPLICES SHALL BE DRYCONN KING 6 BLUE BY KING INNOVATION. NO SUBSTITUTIONS ALLOWED. TRACER WIRE SHALL EXTEND AT LEAST FIVE FEET BEYOND WATER SERVICE STUB TERMINATIONS. A PIECE OF PVC PIPE SHALL BE BURIED VERTICALLY AGAINST THE 4"x4" MARKER POST EXTENDING AND ABOUT TWO INCHES ABOVE GROUND LEVEL. THE TRACER WIRE SHALL BE FED THROUGH THE PVC PIPE WITH THE END OF THE WIRE ABOUT TWO INCHES ABOVE THE END OF THE PIPE AND THE REMAINDER COILED AND BURIED BENEATH IT. A PERFORMANCE TEST WILL BE PERFORMED ON THE COMPLETED TRACER WIRE SYSTEM TO ENSURE THE ENTIRE SYSTEM IS TRACKABLE. ANY PART OF THE SYSTEM THAT IS NOT TRACKABLE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR UNTIL IT IS TRACKABLE PRIOR TO FINAL ACCEPTANCE OF UTILITIES.
 - WATER SERVICE PIPE MATERIAL MAY BE MUNIPEX CROSSLINKED POLYETHYLENE (PEXA) BY REHAU, OR ALTERNATIVELY MAY BE TYPE K SOFT COPPER.
 - ALL SEWER MAINS SHALL BE MADE OF PVC MEETING ASTM-3034 SPECIFICATIONS. TRENCHES SHALL BE EXCAVATED TO THE DEPTHS INDICATED ON THE CONTRACT DRAWINGS. TRENCH DEPTH SHALL BE SUFFICIENT TO PROVIDE A MINIMUM COVER OF 36 INCHES OVER THE TOP OF THE PIPE IN NON-TRAFFIC AREAS AND 48 INCHES IN AREAS SUBJECT TO VEHICULAR TRAFFIC. DEPTH OF COVER IS MEASURED FROM FINISHED TO THE TOP OF THE PIPE.
 - CHECK DAMS SHALL BE INSTALLED AT THE UPSTREAM SIDE OF EACH MANHOLE. CHECK DAMS SHALL CONSIST OF COMPACTED CLAY BEDDING AND BACKFILL AT LEAST THREE FEET THICK TO THE TOP OF THE TRENCH AND CUT INTO THE WALLS OF THE TRENCH TWO FEET.
 - ALL SEWERLINE LAID IN FILL AREAS SHALL BE BACKFILLED & COMPACTED TO 95% MAXIMUM DENSITY AND TESTED BY A GEOTECHNICAL ENGINEER.
 - CLEANOUTS TO BE SPACED EVERY 75 FEET ON SEWER SERVICES.

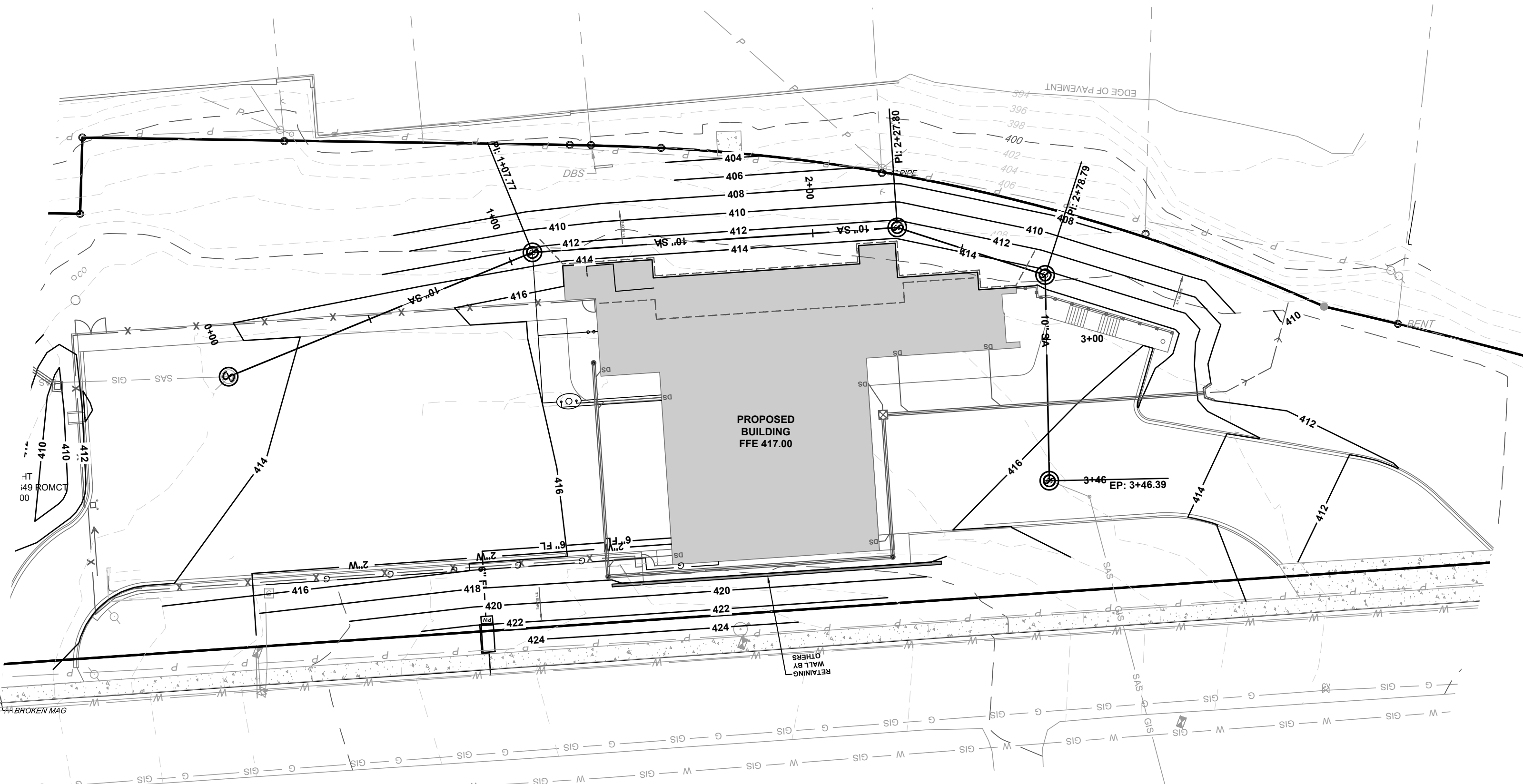


UTILITY PLAN

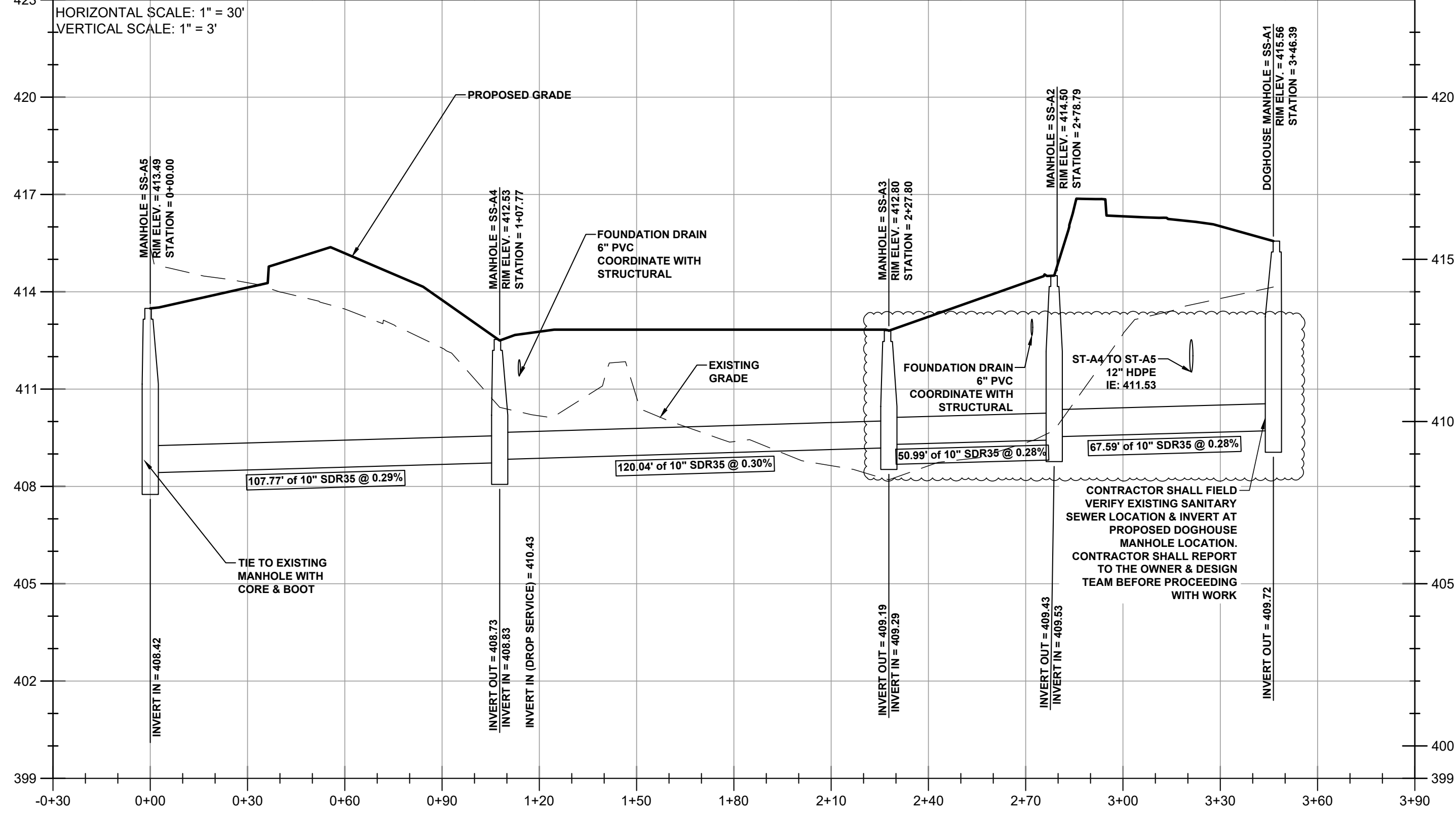
MONTGOMERY COUNTY EMS STATION 28
616 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY	PROJECT NO.	DESCRIPTION	BID SET	ADDENDUM 1
THB	MCE24-05		11/03/2025	11/12/2025

C6.0



PROFILE VIEW of 10 INCH SANITARY SEWER MAIN



- UTILITY NOTES:**
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TENNESSEE STATE PLANE COORDINATES
N.A.D. 83
GRID NORTH
VERTICAL DATUM: N.A.V.D. 88

LEGEND

---	BOUNDARY LINE
---	PROPERTY LINE
---	EASEMENT / PUDE
---	CONTOUR LINE
---	CURB
G G	GAS LINE
P P	OVERHEAD POWER LINE
EX W	WATERLINE
EX SA	SANITARY SEWER LINE
W GIS	WATER LINE UTILITY (PER GIS)
SAS GIS	SANITARY SEWER (PER GIS)
G GIS	GAS LINE (PER GIS)
---	PROPOSED CURB & GUTTER
2"W	PROPOSED STORM PIPE
6" FL	PROPOSED WATER SERVICE
G G	PROPOSED FIRE LINE
G G	PROPOSED GAS SERVICE
SA	PROPOSED SEWER SERVICE
SA	PROPOSED SEWER MAIN

PROPOSED HANDICAP PARKING
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ELECTRIC METER
CLEAN-OUT
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PROPOSED POST INDICATOR VALVE

CONCRETE
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PROPOSED BUILDING

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MCCO
MONTGOMERY COUNTY
TENNESSEE
ENGINEERING

1 Millennium Plaza Suite 401, Clarksville, TN 37040
Phone: (931) 553-5113 - www.mcgmtn.org/engineer

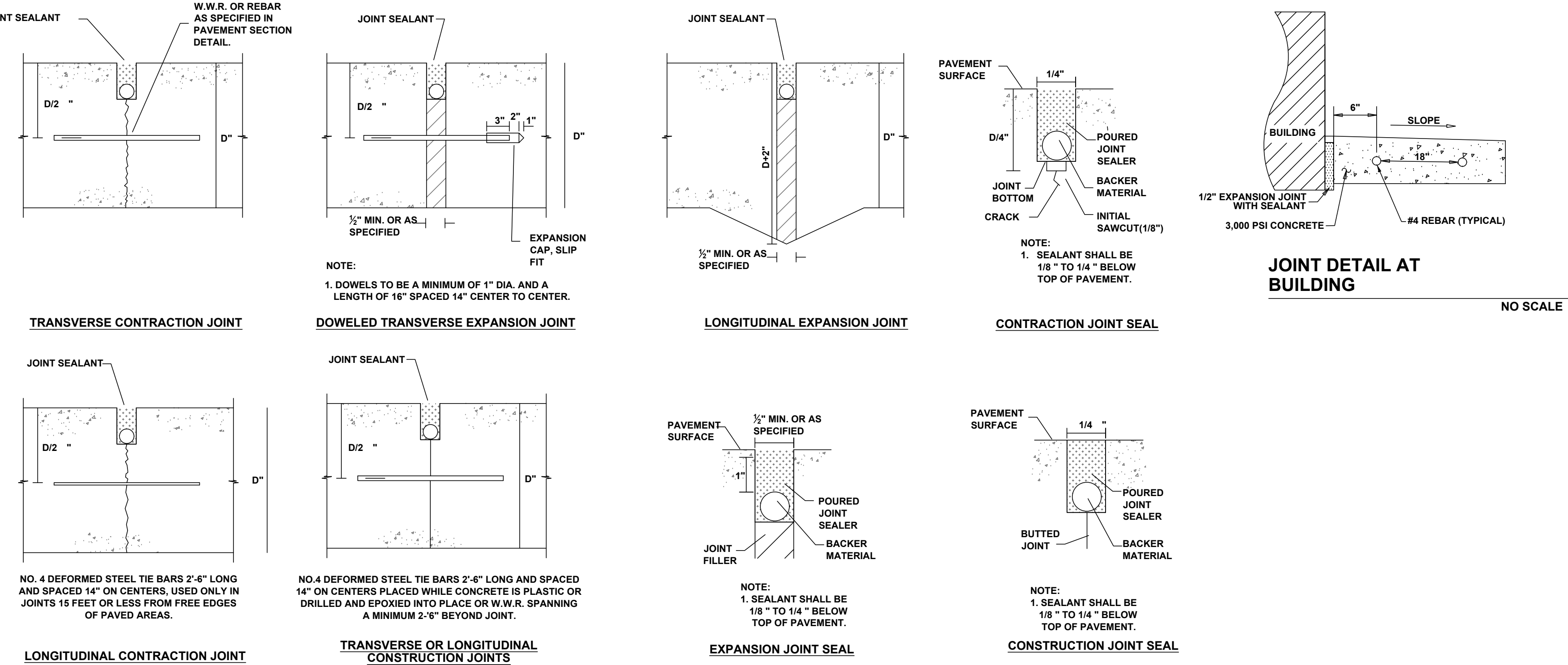


SANITARY SEWER PLAN & PROFILE

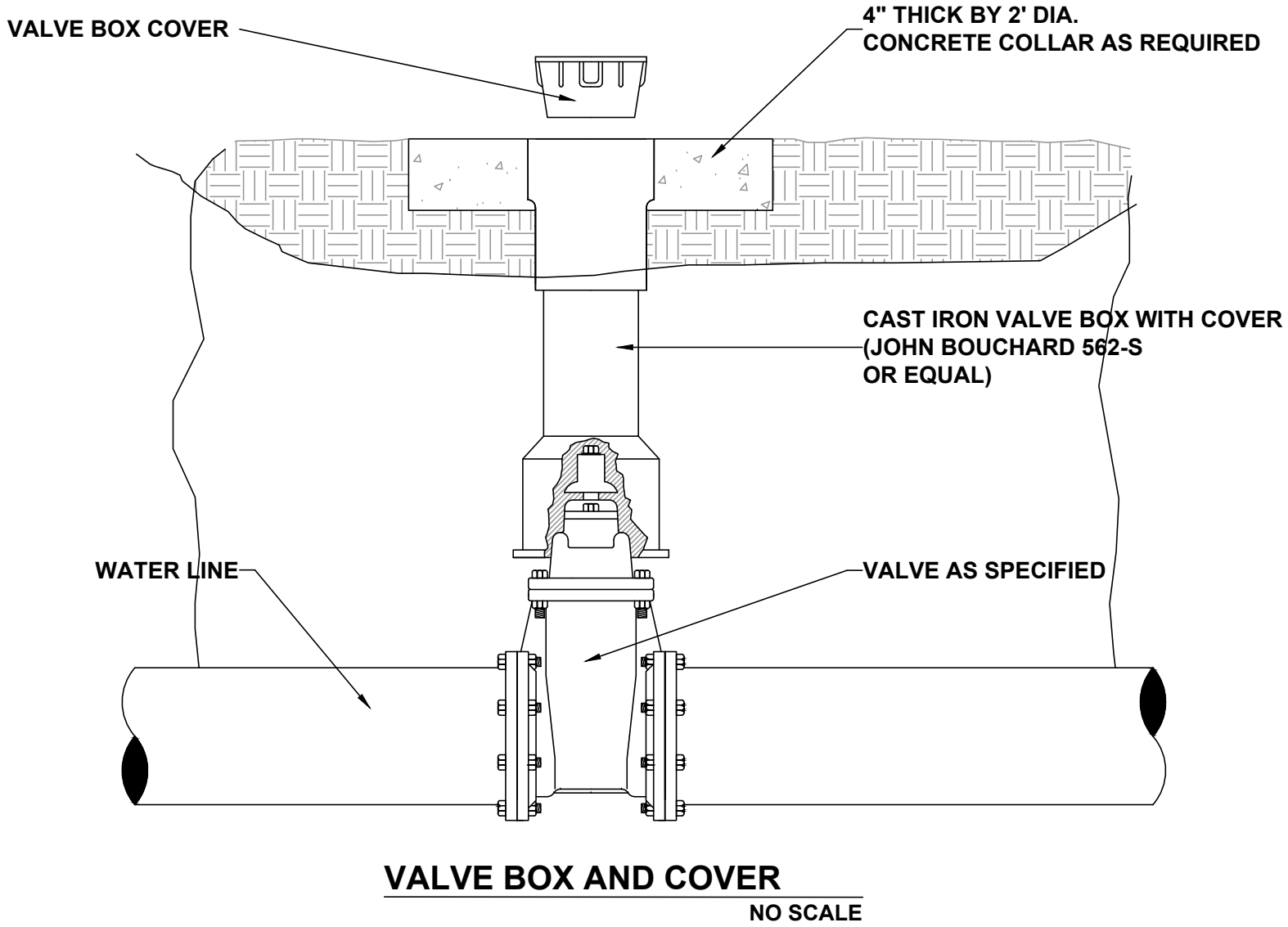
MONTGOMERY COUNTY EMS STATION 28
616 NORTH SPRING ST
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			11/12/2025		

C6.1

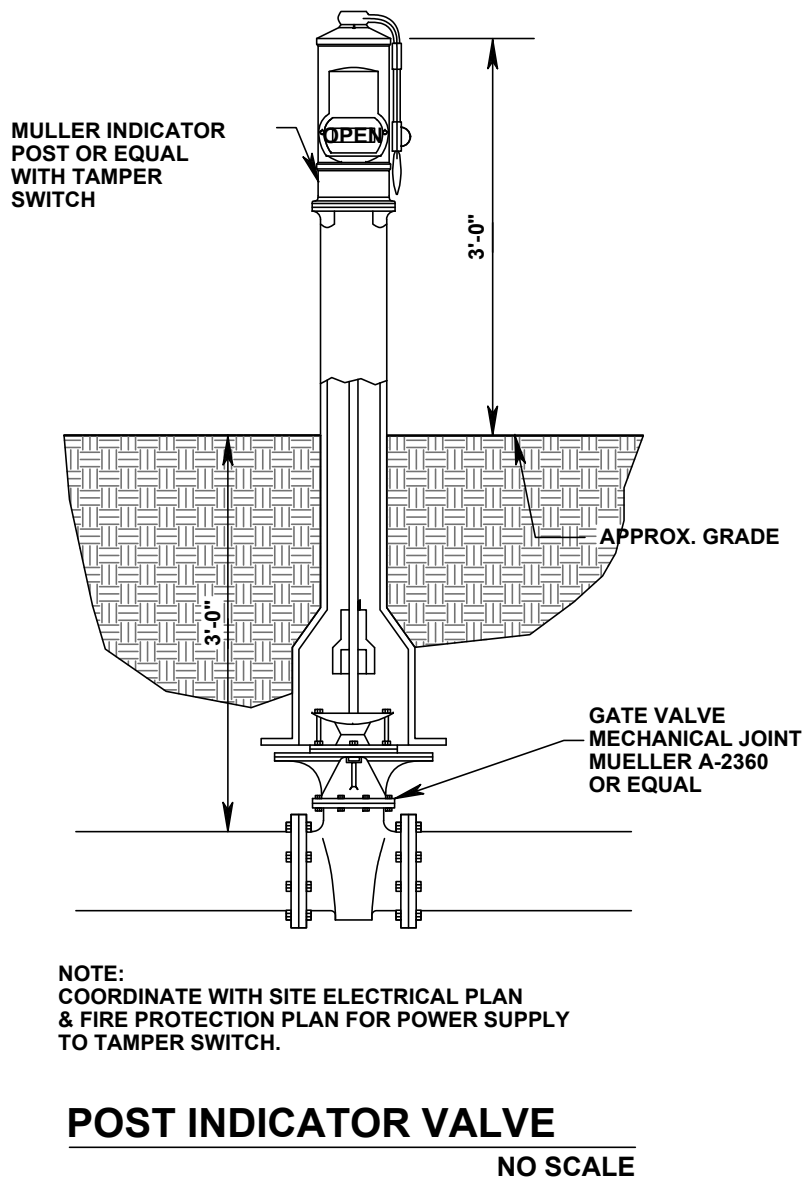
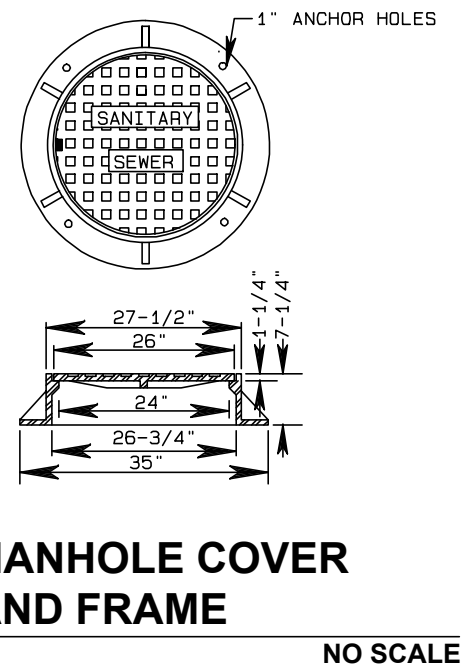
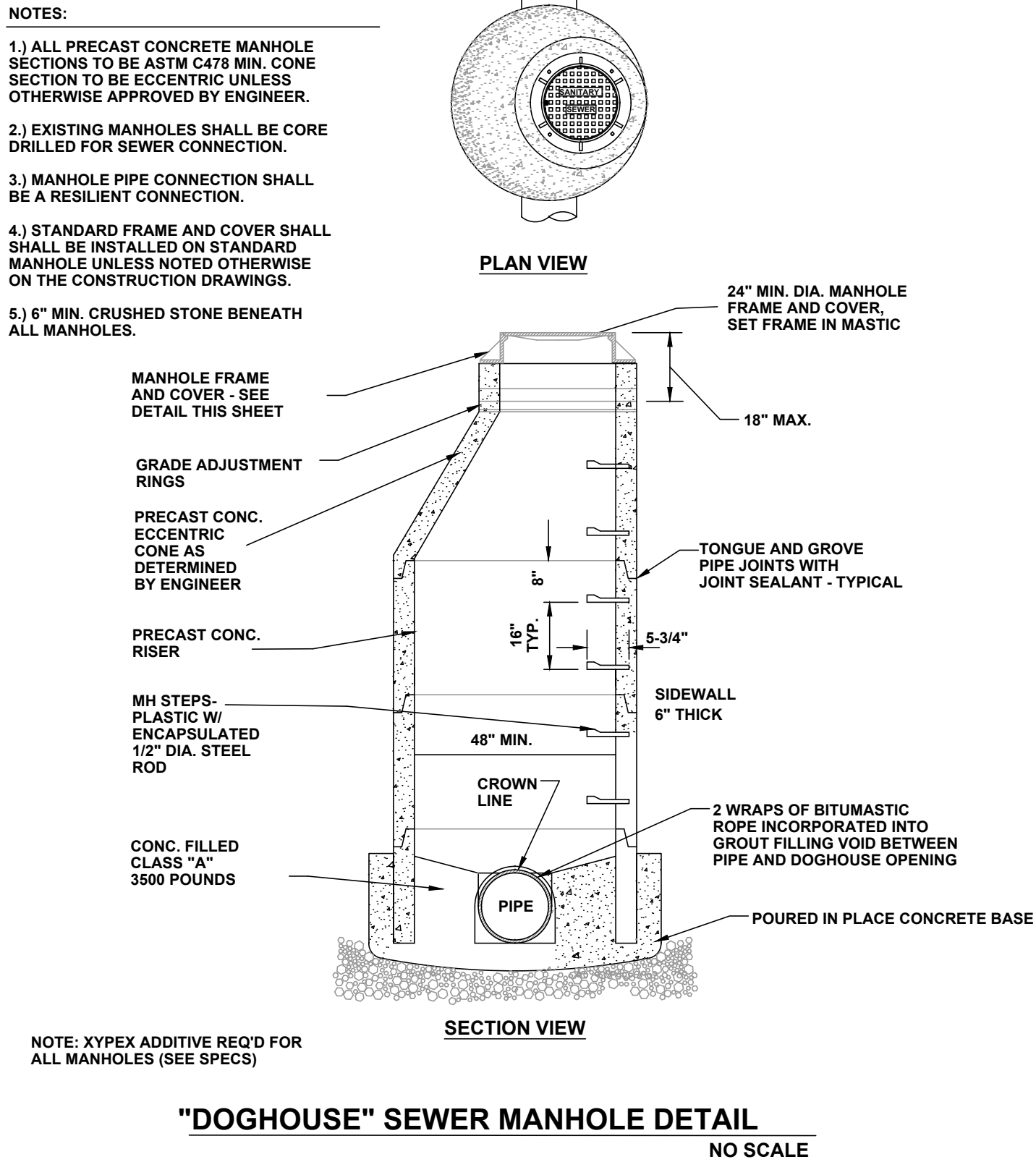
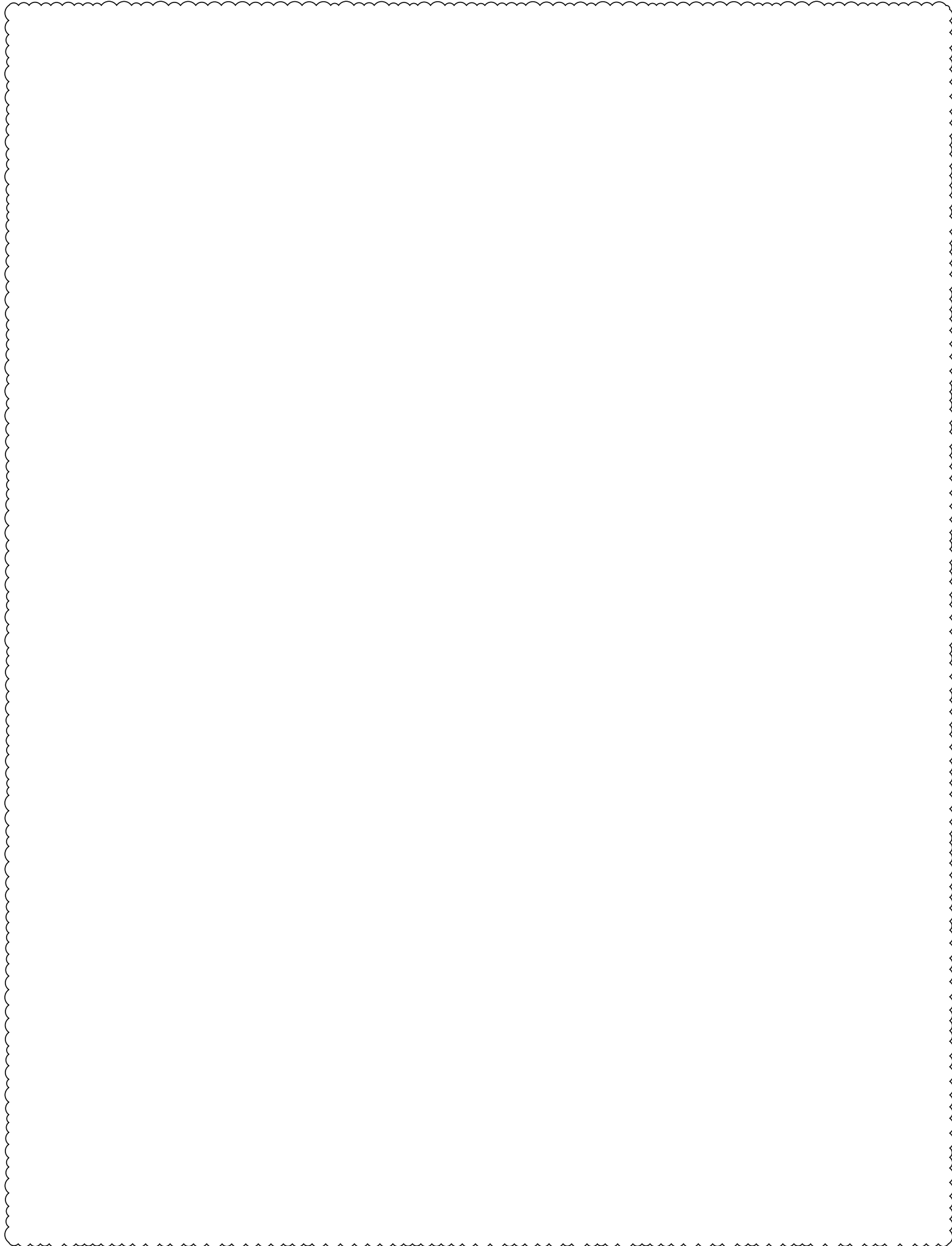


NOTE:
SEE SPECIFICATION SECTION 02713.3.06.C
FOR MATERIAL AND INSTALLATION
REQUIREMENTS NOT SHOWN



GENERAL SITE DETAILS

MONTGOMERY COUNTY EMS STATION 28
616 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

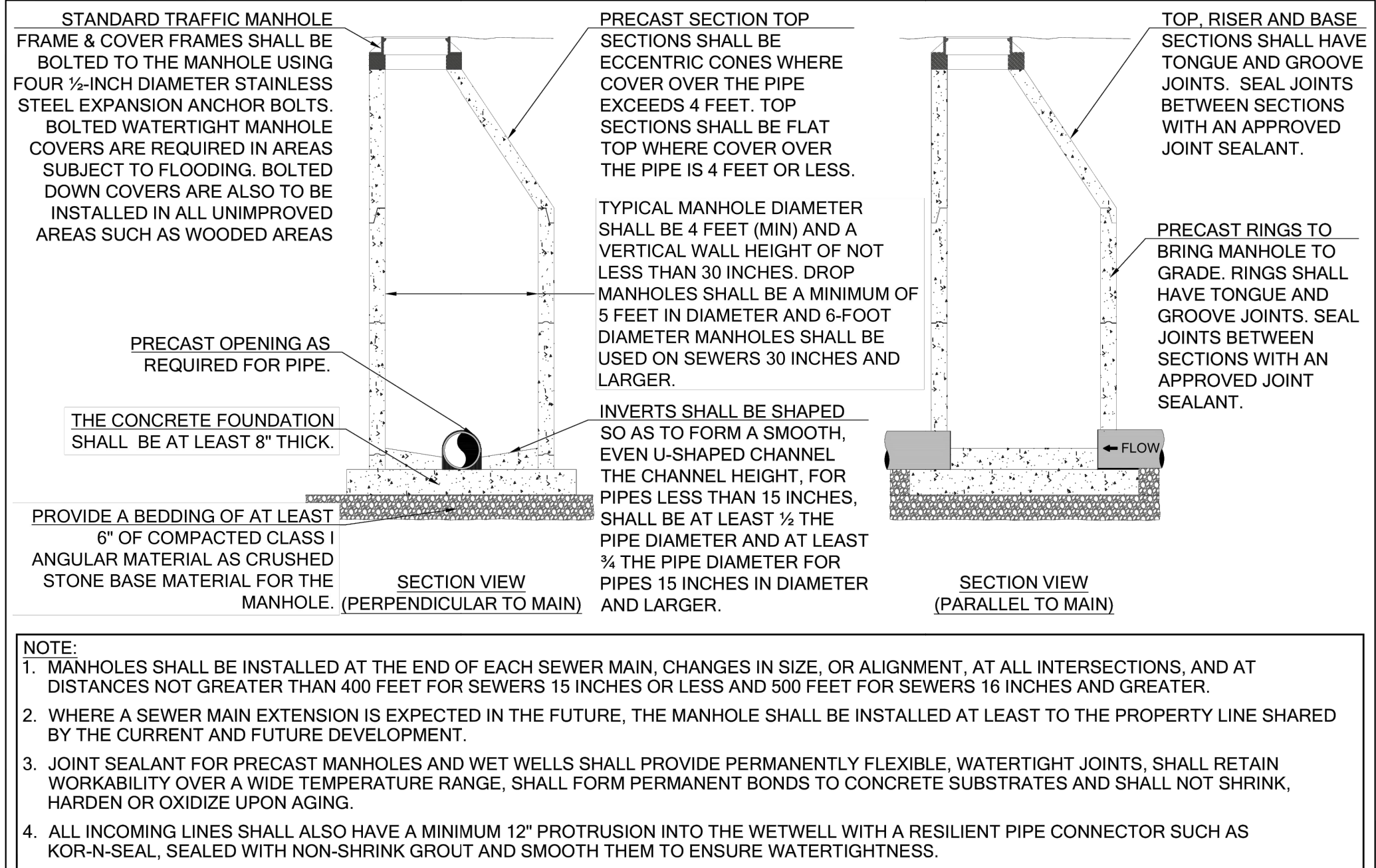
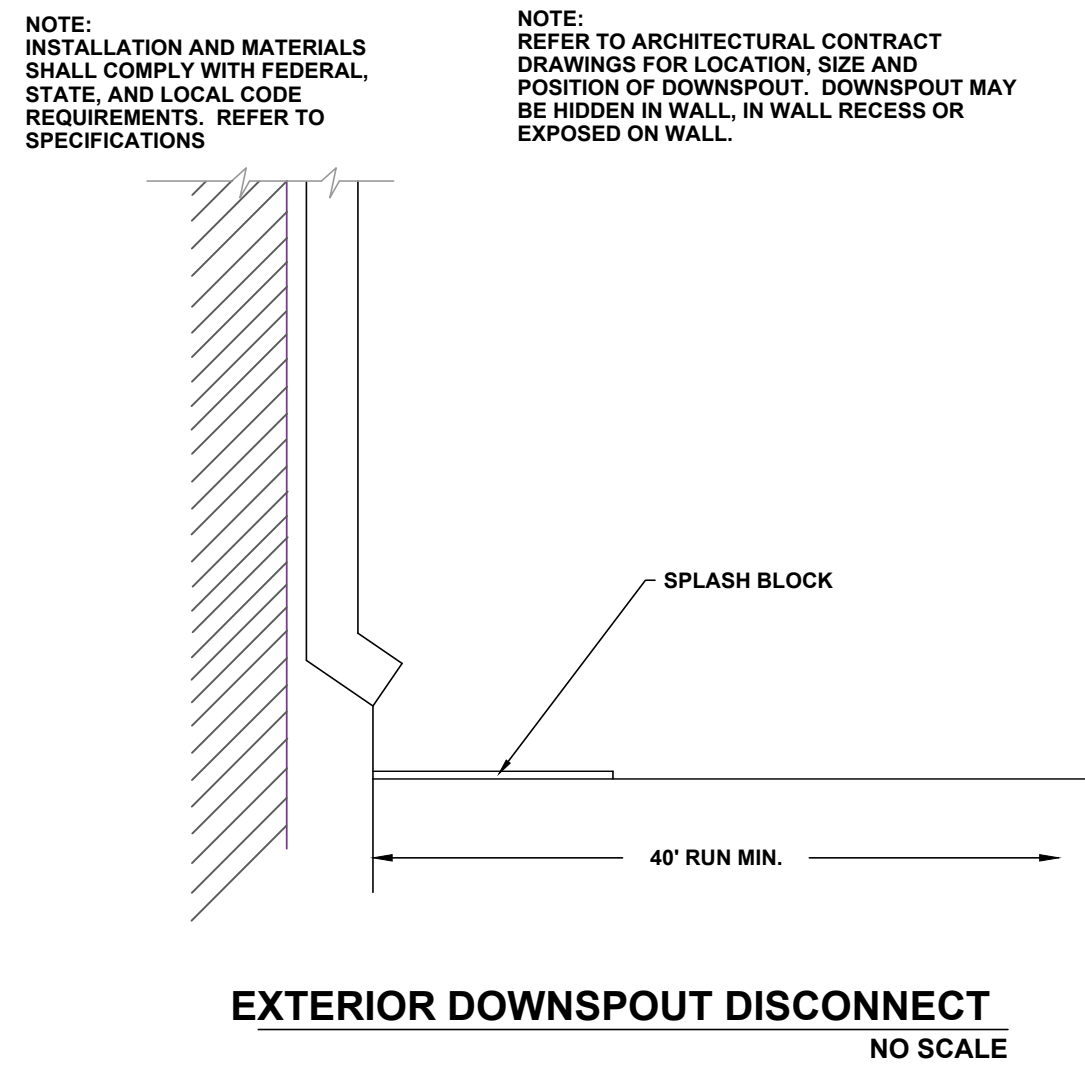
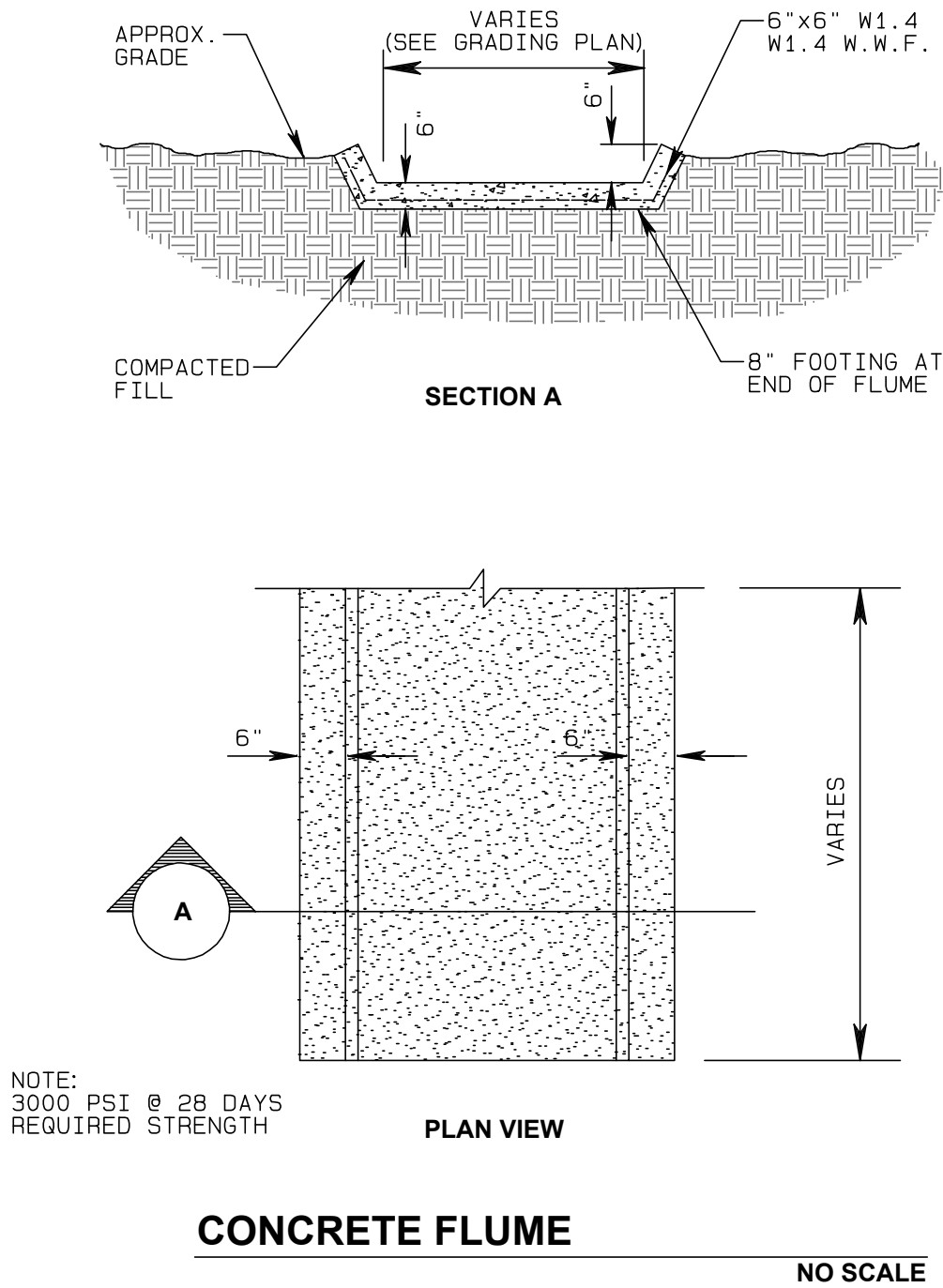
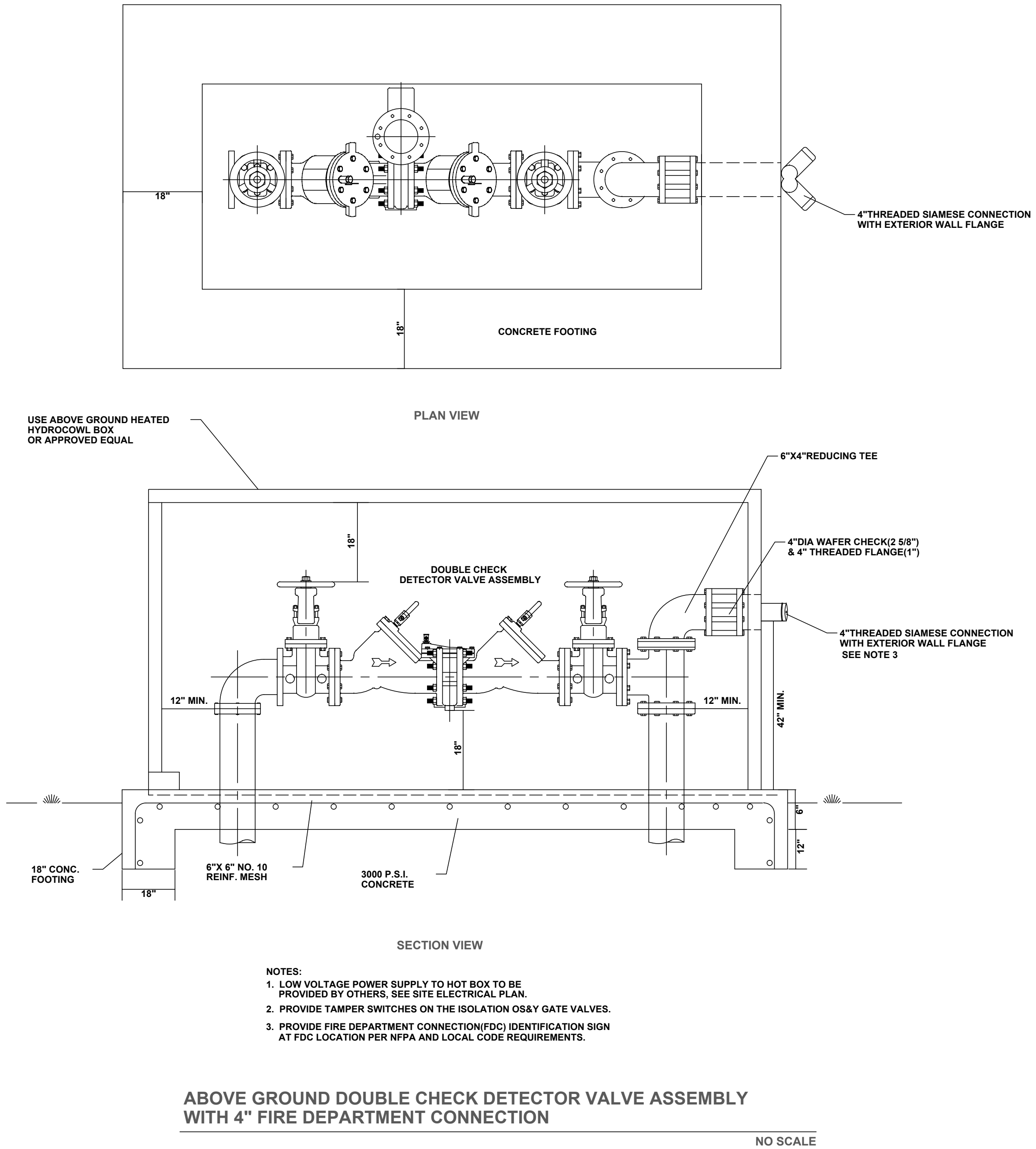


PROJECT NO.	MCE24-05
DRAWN BY	THB
DATE	11/03/2025
DESCRIPTION	BID SET
	11/12/2025
	ADDENDUM 1

C8.3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

M
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B
A



DETAIL NO: SW-01	MANHOLE DETAIL	2215 MADISON ST.	
DATE: JANUARY 2025		P.O. BOX 387	
REVISION: 0		CLARKSVILLE, TN 37040	
PH: 931-645-7418 FAX: 931-648-5983			

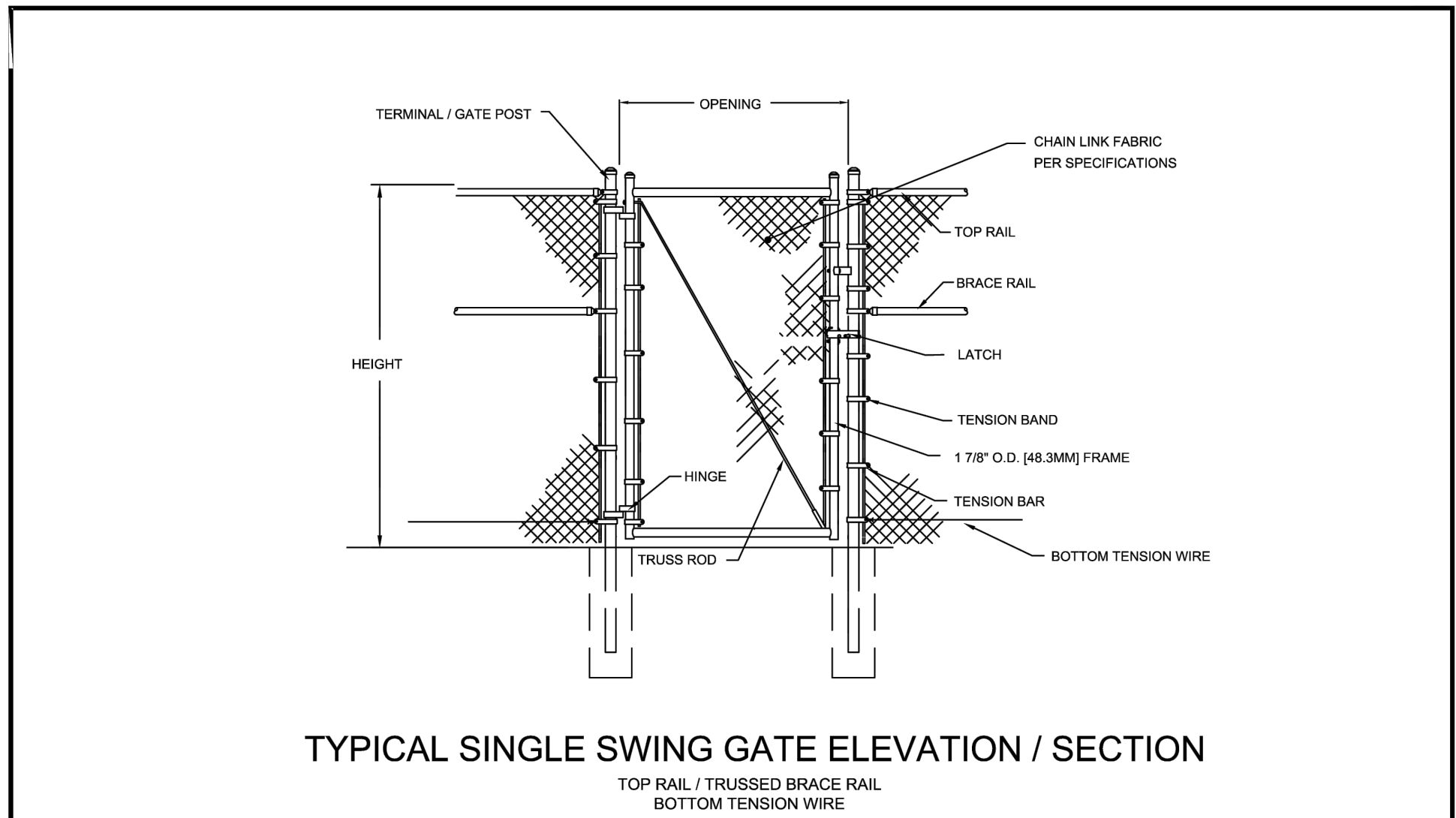


GENERAL SITE DETAILS

MONTGOMERY COUNTY EMS STATION 28
616 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY THB	PROJECT NO. MCE24-05	DESCRIPTION BID SET ADDENDUM 1			
	DATE 11/03/2025				
	DATE 11/12/2025				

C8.4



NOTES:
DESIGN AND SPECIFICATION SUBJECT TO CHANGE
VERTICAL & HORIZONTAL MEMBERS MAXIMUM 8' O.C.
FOOTING AND POSTS AS REQUIRED BY SITE CONDITIONS & CODES

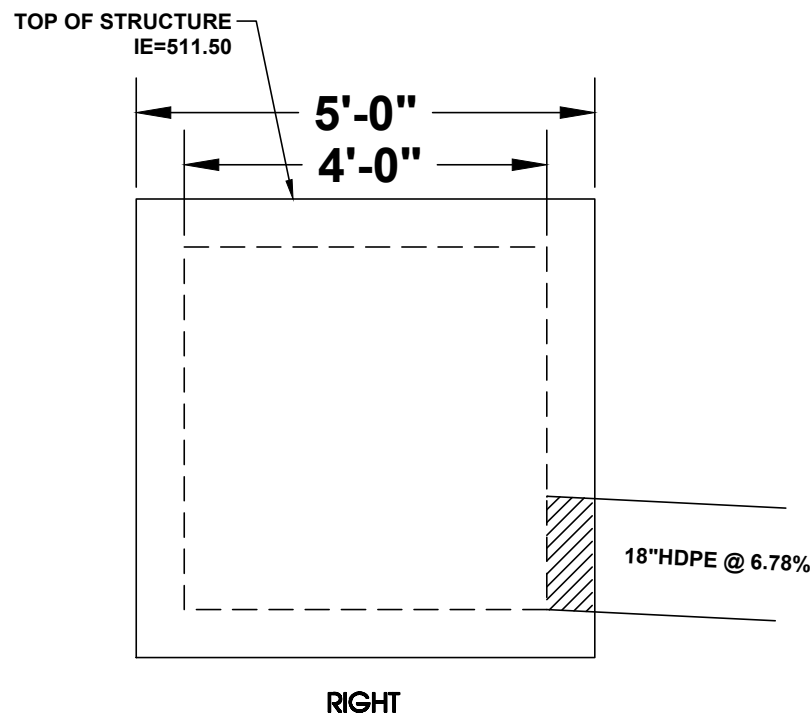
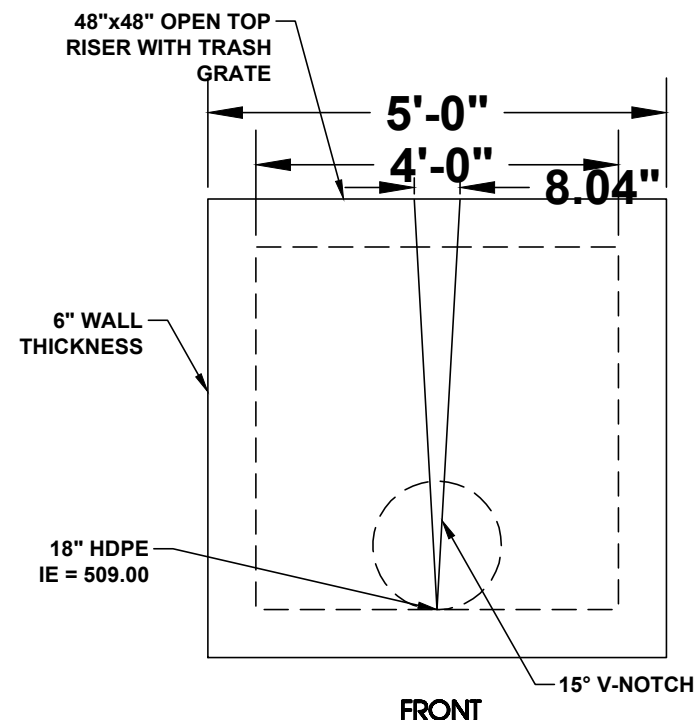
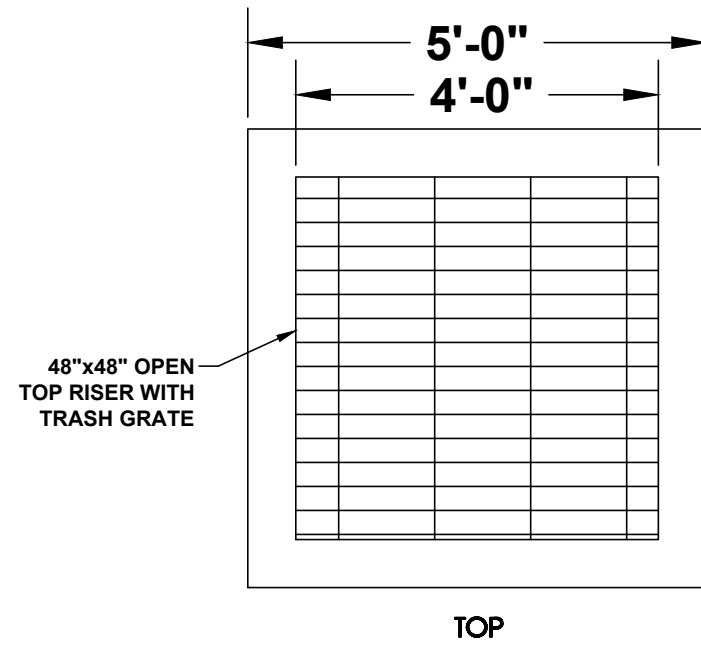


CHAIN LINK
TYPICAL SWING GATE ELEVATION / SECTION

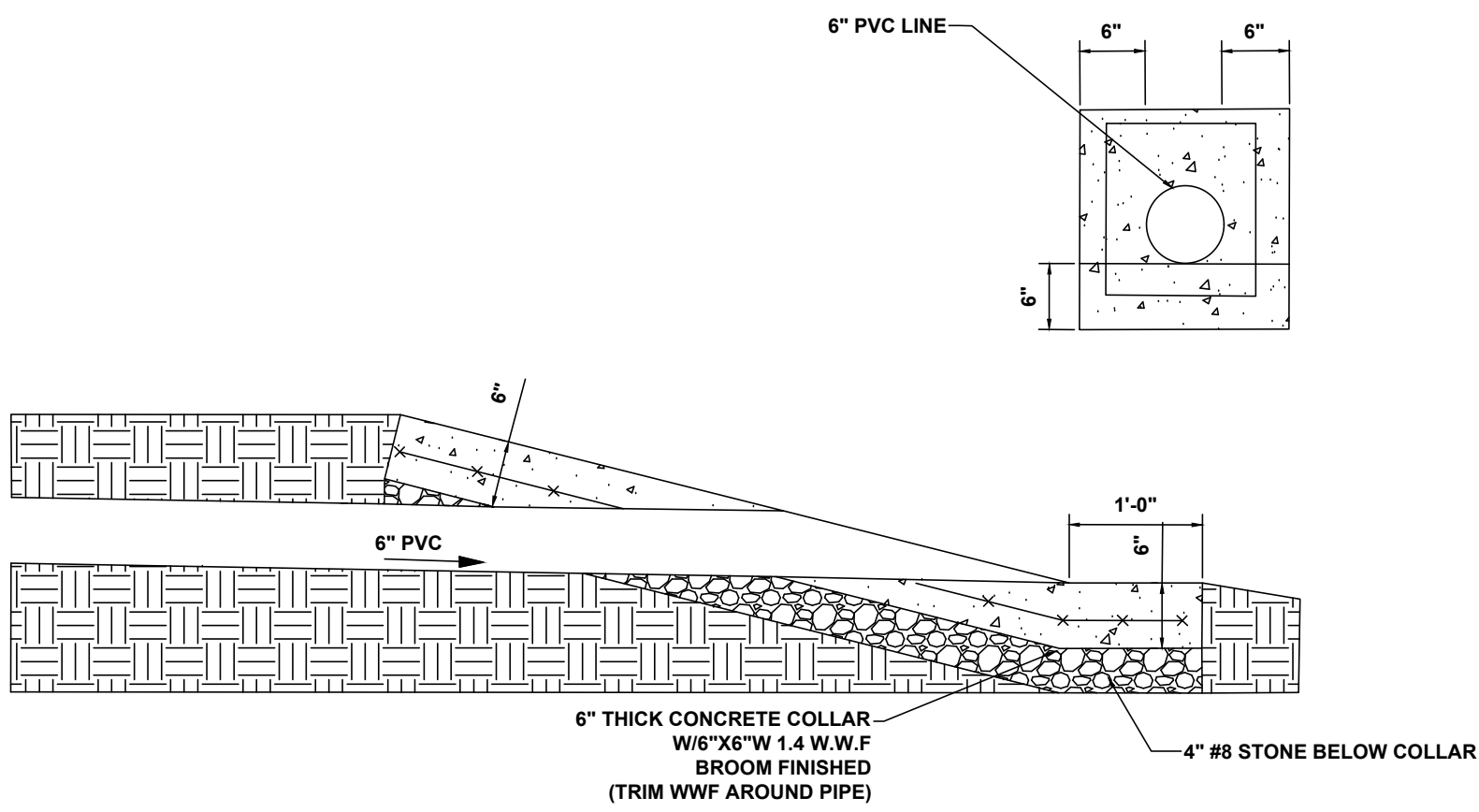
BY: ART 2.11.10 SCALE: NTS DWG #: CL11

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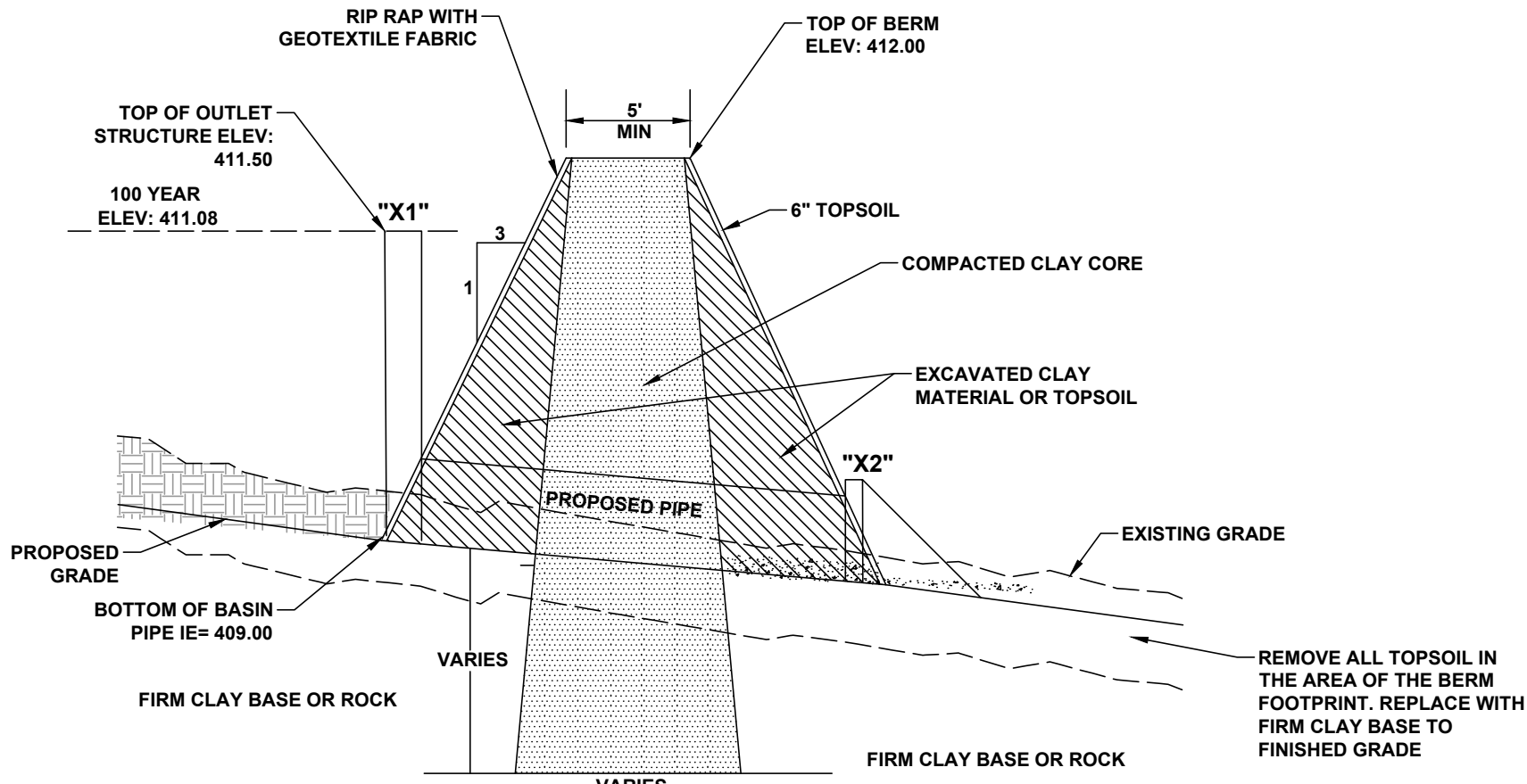


DETENTION OUTLET STRUCTURE "X1"
NO SCALE



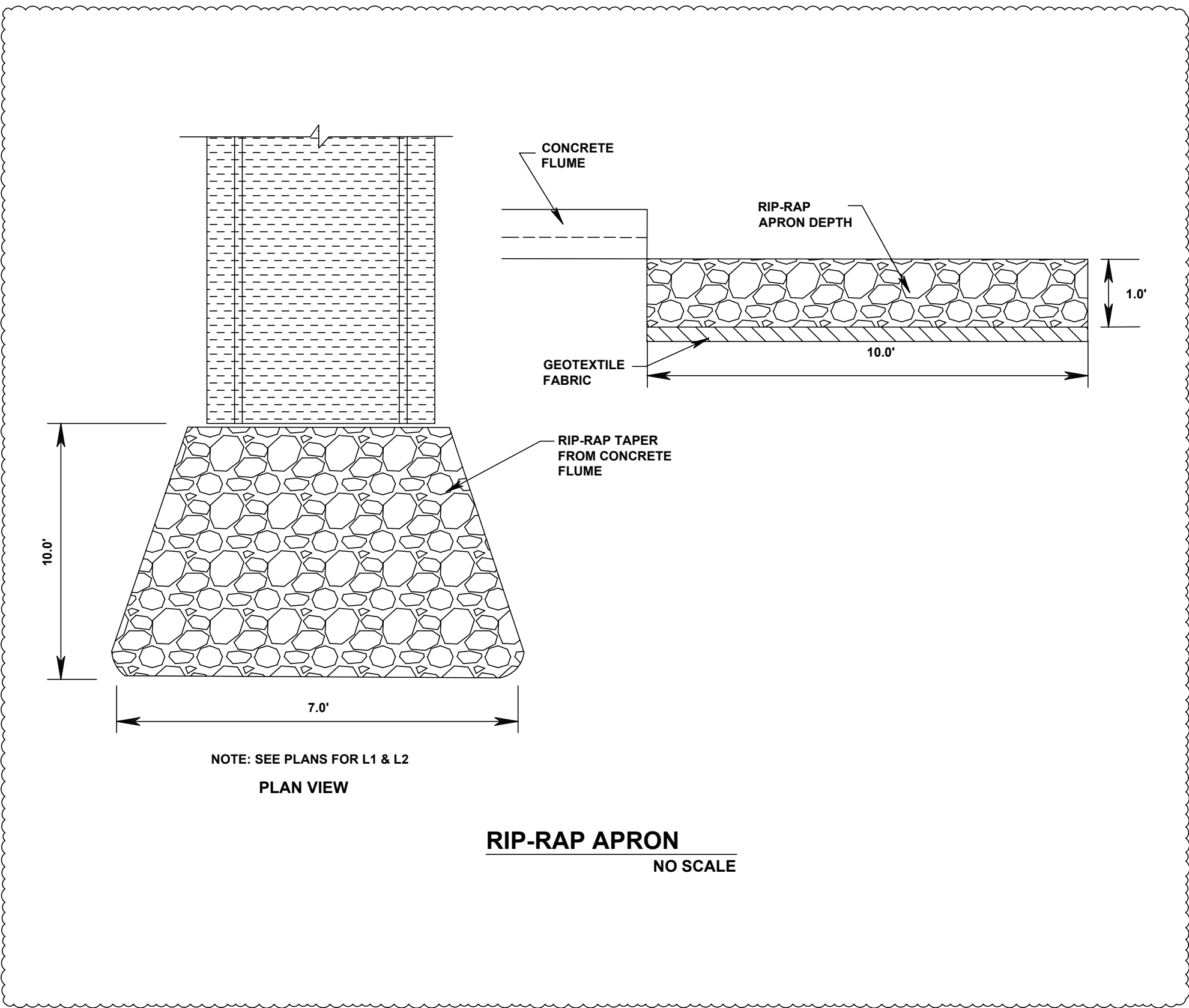
PIPE COLLAR DETAILS

NO SCALE



DETENTION BASIN AND BERM DETAIL

NOT TO SCALE



RIP-RAP APRON
NO SCALE



GENERAL SITE DETAILS

MONTGOMERY COUNTY EMS STATION 28
616 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY THB	PROJECT NO. MCE2405	DESCRIPTION BID SET ADDENDUM 1			
	DATE 11/03/2025				
	DATE 11/12/2025				

FILED
SEALS
DATE
TIME

11/03/2025 11:12

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INTERNATIONAL ENERGY CODE SPECS

A. EQUIPMENT SHALL COMPLY WITH REQUIREMENTS OF THE APPLICABLE ENERGY CODE 2009 INTERNATIONAL ENERGY CONSERVATION CODE FOLLOWING IS A LIST OF ITEMS THAT SHALL BE INCLUDED:

- EQUIPMENT SHALL MEET OR EXCEED THE MINIMUM EFFICIENCY REQUIREMENTS IDENTIFIED ABOVE.
- AIR ECONOMIZERS ON EQUIPMENT GREATER THAN 33,000 BTUH (COOLING) WITH FAULT DETECTION DIAGNOSTICS SYSTEM.
- VAV FAN MOTORS ON EQUIPMENT WITH FAN MOTORS 7.5 HP OR LARGER.

B. SYSTEM COMPONENTS SHALL COMPLY WITH REQUIREMENTS OF THE APPLICABLE ENERGY CODE.

- CONTROLS SHALL INCLUDE OPTIMUM START CONTROLS AND 5F DEADBAND.
- DUCT AND PLENUM CONSTRUCTION, SEALING AND INSULATION COMPLY WITH REQUIREMENTS OF THE APPLICABLE ENERGY CODE.
- AIR INLETS AND OUTLETS SHALL INCLUDE MEANS FOR AIR BALANCING.
- EACH ZONE SHALL BE EQUIPPED WITH SETBACK CONTROLS USING AUTOMATIC TIME CLOCK OR PROGRAMMABLE CONTROL SYSTEM.
- CONTROLS SHALL HAVE THE CAPABILITY TO SET BACK DOWN TO 55F OR UP TO 85F, 7-DAY TIME CLOCK & 2-HOUR OCCUPANT OVERRIDE.

C. POST CONSTRUCTION REQUIREMENTS.

- FURNISH HVAC AS-BUILT DRAWINGS SUBMITTED WITH IN 90 DAYS OF SYSTEM ACCEPTANCE.
- FURNISH O&M MANUALS TO OWNER FOR HVAC SYSTEMS WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.
- FURNISH AN AIR AND/OR HYDRONIC SYSTEMS HVAC BALANCE REPORT.

RANGE HOOD SCHEDULE

UNIT DESIGNATION	HOOD#1
TYPE	RESIDENTIAL W/SUPPRESS
SERVICE	RANGE/OVEN
CANOPY SIZE	36 X 24
EXHAUST AIR C.F.M.	500
EXHAUST AIR P.D. ("H ₂ O)	NA
POWER	175 W (1.2 A)
VOLTAGE	120/1/60
APPROVAL (STATE F.M.)	NFPA 101; UL300A
ACCESSORIES	①
FIRE EXTING. SYSTEM	BUILT-IN
LIGHTS	(2) LED 7W
-	
-	
MANUFACTURER	GREENHECK
MODEL #	GRRS-W-36-R-E-N
WEIGHT (lbs)	85

① MANUAL PULL STATION, ELECTRIC RANGE/OVEN SHUT OFF BOX, FIRE SYSTEM PERMIT STARTUP & PUFF TEST, WALL CAP SELF-CONTAINED FIRE SUPPRESSION SYSTEM

ELEC. UNIT HEATER SCHEDULE

UNIT DESIGNATION	EH#1
TYPE	CEILING-RECESSED
SERVICE	ENTRY VESTIBULE
CAPACITY M.B.H.	10.2
K.W.	3.0
VOLTAGE	208/1/60
BLOWER	---
TYPE	PROP.
C.F.M.	425
H.P.	FRACTIONAL
VOLTAGE	208/1/60
CONTROL VOLTAGE	24V
ACCESSORIES	---
SPACE THERMOSTAT	YES
GUARD	
MANUFACTURER	MARKEL
MODEL #	F3483

MINI-SPLIT SPLIT SYSTEM

UNIT DESIGNATION	FC/CU#1
TYPE	WALL MOUNT COOLING
SERVICE	IT/ELEC ROOM
ACCESSORIES	①
FILTERS	1" T.A.
OTHER	LOW AMBIENT CONTROL
FAN	FC#1
TOTAL C.F.M.	700
O.A. MINIMUM	0
EXTERNAL S.P.	---
H.P.	56 WATTS
VOLTAGE	208/1/60
COOLING COIL	---
COOLING CAPACITY (MBH)	24.0
E.A.D.B./E.A.W.B.	80/67
MIN. S.E.E.R.	21.3
HEATING CAPACITY (MBH)	---
E.A.T.	---
MIN. C.O.P./H.S.P.F.	---
MODEL #	PKA-A24KA
CONDENSING UNIT	CU#1
TYPE	INVERTER- SCROLL
O.A.D.B.	95
VOLTAGE	208/1/60
UNIT M.C.A./M.F.S.A.	19/25
MODEL NO.	PUY-A24NKA
MANUFACTURER	mitsubishi

① CONDENSATE PUMP

PACKAGED AC UNIT SCHEDULE

UNIT DESIGNATION	AC#1
TYPE	GAS PACK - HORIZONTAL
SERVICE	LIVING QUARTERS
ACCESSORIES	---
O.A. DAMPER - ECON. OR 2-POS.	ECONOMIZER①
CURB	CONC.PAD & ISO.PADS
FILTERS	2", 30%/MERV 8, T.A.
HUMIDITY CONTROL	YES, HOT GAS REHEAT
SUPPLY FAN	2-SPEED
TOTAL C.F.M.	3,800
O.A. MINIMUM	400
EXTERNAL S.P.	1.0
H.P.	3.0
VOLTAGE	208/3/60
RELIEF FAN	YES
HEATING COIL	2-STAGE
FUEL	NATURAL GAS
HEATING CAP. INPUT - MBH	200.0/140.0
HEATING CAP. OUTPUT - MBH	162.0/113.4
E.A.D.B./L.A.D.B.	61.9/101
COOLING COIL	---
TOT/SENS CAP. (MBH)	126.7/94.3
E.A.D.B./E.A.W.B.	80/67
L.A.D.B./L.A.W.B.	56
CONDENSING SECTION	---
COMP. F.L.A.	25.2 & 13.2
COND.FANS F.L.A.	6.3
UNIT M.C.A./M.O.C.P.	66.0/90
VOLTAGE	208/3/60
O.A.D.B.	95°F
MIN. E.E.R./I.E.E.R.	11.6/15.8
MANUFACTURER	TRANE
MODEL #	YHK-120
WEIGHT (lbs) (UNIT + CURB)	1,200 (NO CURB)
DIMENSIONS (L X W X H)	88" X 53" X 51" (TALL)

① ECONOMIZER: DUAL ENTHALPY CONTROL, FAULT DETECTION & DIAGNOSIS

HVLS FAN SCHEDULE

UNIT DESIGNATION	HVLS#1
TYPE	CLG PROP: DIRECT DRIVE
SERVICE	APPARATUS BAY
C.F.M.	70,424
BLADES	FIVE @ 6 FT (12FT DIA)
NOISE LEVEL	MAX 45 dBA
FAN H.P. (W/VFD)	2HP (782 WATTS)
VOLTAGE	208-3-60
ACCESSORIES	①
CONTROL	SMART CTRL TOUCHSCREEN
MAX ROTATIONAL SPEED	105 RPM
WEIGHT	245#
MANUFACTURER	SCHWANK
MODEL #	MF-DD12-XX

① FIRE ALARM SYSTEM INTERLOCK FOR SHUT-DOWN, VFD & IP65 RATED MOTOR, MOUNTING KITS AS RECOMMENDED FOR STRUCTURE AND HEIGHT, GUY WIRES.

ACCEPTABLE MANUFACTURERS OFFERING EQUIVALENT PRODUCTS: A. BIG ASS FANS, B. GREENHECK.

GENERAL MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY DUCTWORK
	RETURN DUCTWORK
	EXHAUST DUCTWORK
	OUTSIDE AIR DUCTWORK
	FIRE DAMPER
	COMBINATION FIRE & SMOKE DAMPER
	SUPPLY AIR DIFFUSER
	RETURN OR EXHAUST AIR REGISTER
	DAMPER
	ROUND DUCTWORK OR FLUE UP THRU ROOF OR SLAB
	SUPPLY DUCT THRU SLAB OR ROOF - SEE PLANS
	RETURN OR EXHAUST DUCT THRU SLAB OR ROOF - SEE PLANS
	UNDERCUT DOOR 3/4"
	DOOR GRILLE - SEE PLANS FOR SIZE
	MANUAL VOLUME DAMPER (M.V.D.)
	MOTORIZED VOLUME DAMPER
S.D.	SMOKE DETECTOR
8"Ø 200	8"Ø NECK SUPPLY AIR DIFFUSER @ 200 C.F.M.
8X8 150R	8"x8" RETURN AIR REGISTER @ 150 C.F.M.
6X6 100E	6"x6" EXHAUST AIR REGISTER @ 100 C.F.M.
①	SPACE THERMOSTAT MOUNTING HEIGHT PER ADA (48" AFF)
(H)	SPACE HUMIDISTAT
⑤	WALL SWITCH FOR CONTROL: MOUNTING HEIGHT PER ADA
PS	HOOD SUPPRESSION PULL STATION: MOUNTING HEIGHT PER ADA
	COIL - SEE PLANS FOR TYPE
E.W.H.	ELECTRIC WALL HEATER
	ELECTRIC UNIT HEATER - CEILING MOUNTED
U.C.S.	UNIT CONNECTION SIZE
F.V.S.	FIELD VERIFY SIZE
U.O.N.	UNLESS OTHERWISE NOTED

EXHAUST FAN SCHEDULE

UNIT DESIGNATION	EF#1 & 2 & 3	VF#1 & 2
TYPE	CENTRIFUGAL CEILING	WALL PROP PACKAGE
SERVICE	BATHROOMS	APPARATUS BAY
C.F.M.	200	5000
STATIC PRESSURE	0.375	0.25
SONES	1.2	16.7
H.P.	75 WATTS	0.75
VOLTAGE	120-1-60	120/1/60
ACCESSORIES	---	①
DAMPER TYPE	BACKDRAFT	BACKDRAFT
SCREEN TYPE	---	BIRD
MOTOR WITH INTERNAL OVERLOAD	YES	ECM
S.S.S. CONTROLLER	YES	---
WALL/ROOF CAP.	WALL (SEE PLANS)	---
MANUFACTURER	COOK	COOK
MODEL #	GC-622	24XW28D17(VF)

① SHUTTER GUARD, MOTOR SIDE WIRE GUARD

ACCEPTABLE MANUFACTURERS OFFERING EQUIVALENT PRODUCTS: A. GREENHECK, B. ACME

HVAC
LEGEND & SCHEDULES

MONTGOMERY COUNTY EMS STATION 28
614 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

PROJECT NO.
MCE24-05

DESCRIPTION
BID SET

DATE
11/03/2025

11/12/25

ADDENDUM #1

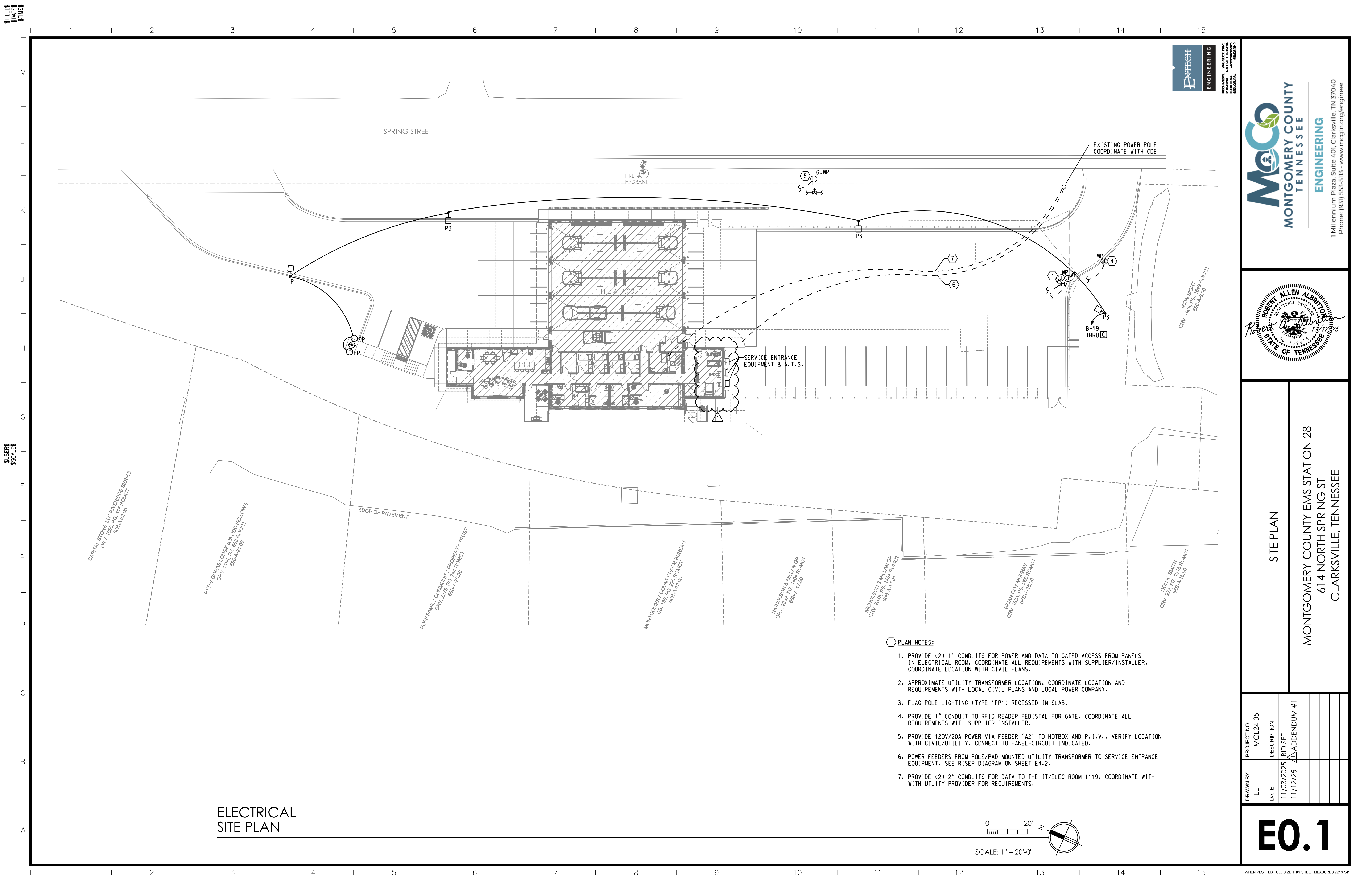
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DATE
11/03/2025

11/12/25

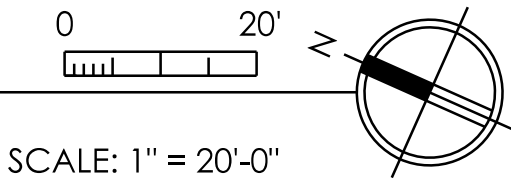
M1.1

WHEN PLOTTED FULL SIZE THIS SHEET MEASURES 22" X 34"



ELECTRICAL
SITE PLAN

- PLAN NOTES:
1. PROVIDE (2) 1" CONDUITS FOR POWER AND DATA TO GATED ACCESS FROM PANELS IN ELECTRICAL ROOM. COORDINATE ALL REQUIREMENTS WITH SUPPLIER/INSTALLER. COORDINATE LOCATION WITH CIVIL PLANS.
 2. APPROXIMATE UTILITY TRANSFORMER LOCATION. COORDINATE LOCATION AND REQUIREMENTS WITH LOCAL CIVIL PLANS AND LOCAL POWER COMPANY.
 3. FLAG POLE LIGHTING (TYPE 'FP') RECESSED IN SLAB.
 4. PROVIDE 1" CONDUIT TO RFID READER PEDISTAL FOR GATE. COORDINATE ALL REQUIREMENTS WITH SUPPLIER/INSTALLER.
 5. PROVIDE 120V/20A POWER VIA FEEDER 'A2' TO HOTBOX AND P.I.V.. VERIFY LOCATION WITH CIVIL/UTILITY. CONNECT TO PANEL-CIRCUIT INDICATED.
 6. POWER FEEDERS FROM POLE/PAD MOUNTED UTILITY TRANSFORMER TO SERVICE ENTRANCE EQUIPMENT. SEE RISER DIAGRAM ON SHEET E4.2.
 7. PROVIDE (2) 2" CONDUITS FOR DATA TO THE IT/ELEC ROOM 1119. COORDINATE WITH WITH UTILITY PROVIDER FOR REQUIREMENTS.

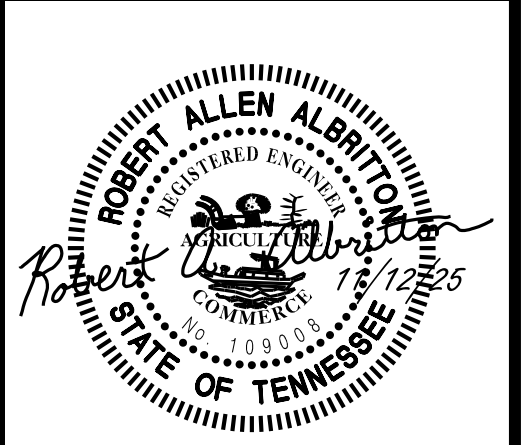




MONTGOMERY COUNTY
TENNESSEE

ENGINEERING

1 Millennium Plaza, Suite 401, Clarksville, TN 37040
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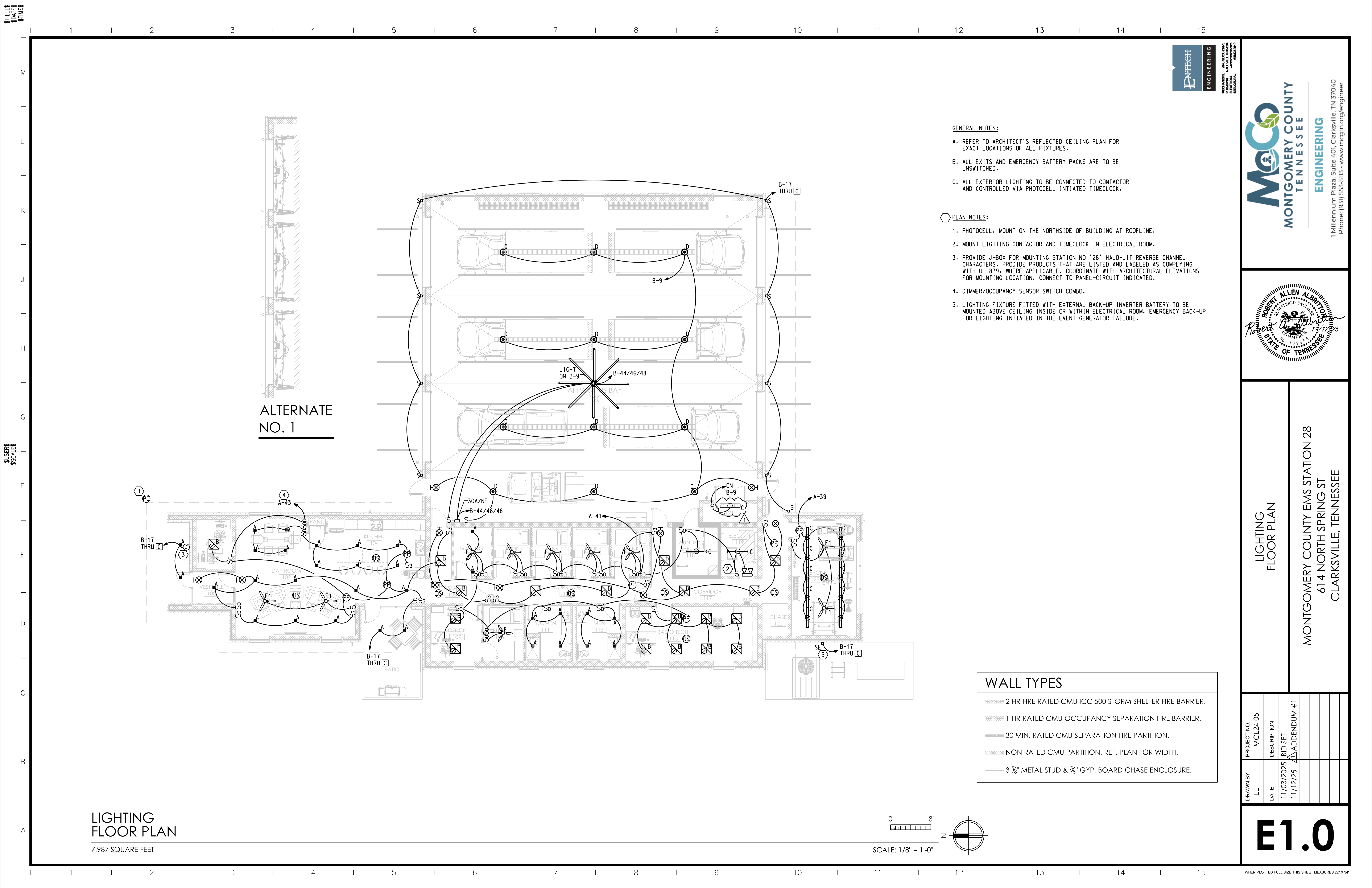


SITE PLAN

MONTGOMERY COUNTY EMS STATION 28
614 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY	PROJECT NO.
EE	MCE24-05
DATE	DESCRIPTION
11/03/2025	BID SET
11/12/25	ADDENDUM #1

E0.1



- GENERAL NOTES:
- A. REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL FIXTURES.
 - B. ALL EXITS AND EMERGENCY BATTERY PACKS ARE TO BE UNSWITCHED.
 - C. ALL EXTERIOR LIGHTING TO BE CONNECTED TO CONTACTOR AND CONTROLLED VIA PHOTOCELL INITIATED TIMECLOCK.
- PLAN NOTES:
- 1. PHOTOCELL. MOUNT ON THE NORTHSIDE OF BUILDING AT ROOFLINE.
 - 2. MOUNT LIGHTING CONTACTOR AND TIMECLOCK IN ELECTRICAL ROOM.
 - 3. PROVIDE J-BOX FOR MOUNTING STATION NO '28' HALO-LIT REVERSE CHANNEL CHARACTERS. PROVIDE PRODUCTS THAT ARE LISTED AND LABELED AS COMPLYING WITH UL 879, WHERE APPLICABLE. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MOUNTING LOCATION. CONNECT TO PANEL-CIRCUIT INDICATED.
 - 4. DIMMER/OCCUPANCY SENSOR SWITCH COMBO.
 - 5. LIGHTING FIXTURE FITTED WITH EXTERNAL BACK-UP INVERTER BATTERY TO BE MOUNTED ABOVE CEILING INSIDE OR WITHIN ELECTRICAL ROOM. EMERGENCY BACK-UP FOR LIGHTING INITIATED IN THE EVENT GENERATOR FAILURE.

WALL TYPES	
	2 HR FIRE RATED CMU ICC 500 STORM SHELTER FIRE BARRIER.
	1 HR RATED CMU OCCUPANCY SEPARATION FIRE BARRIER.
	30 MIN. RATED CMU SEPARATION FIRE PARTITION.
	NON RATED CMU PARTITION. REF. PLAN FOR WIDTH.
	3 3/8" METAL STUD & 5/8" GYP. BOARD CHASE ENCLOSURE.



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LIGHTING FLOOR PLAN

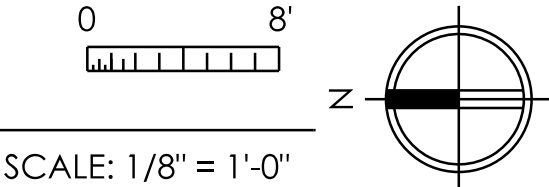
MONTGOMERY COUNTY EMS STATION 28
614 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY	DATE	PROJECT NO.	
		DESCRIPTION	
EE	11/03/2025	MCE24-05	BID SET
	11/12/25		ADDENDUM #1

E1.0

LIGHTING FLOOR PLAN

7,987 SQUARE FEET



FILED
DATE
TIME

M

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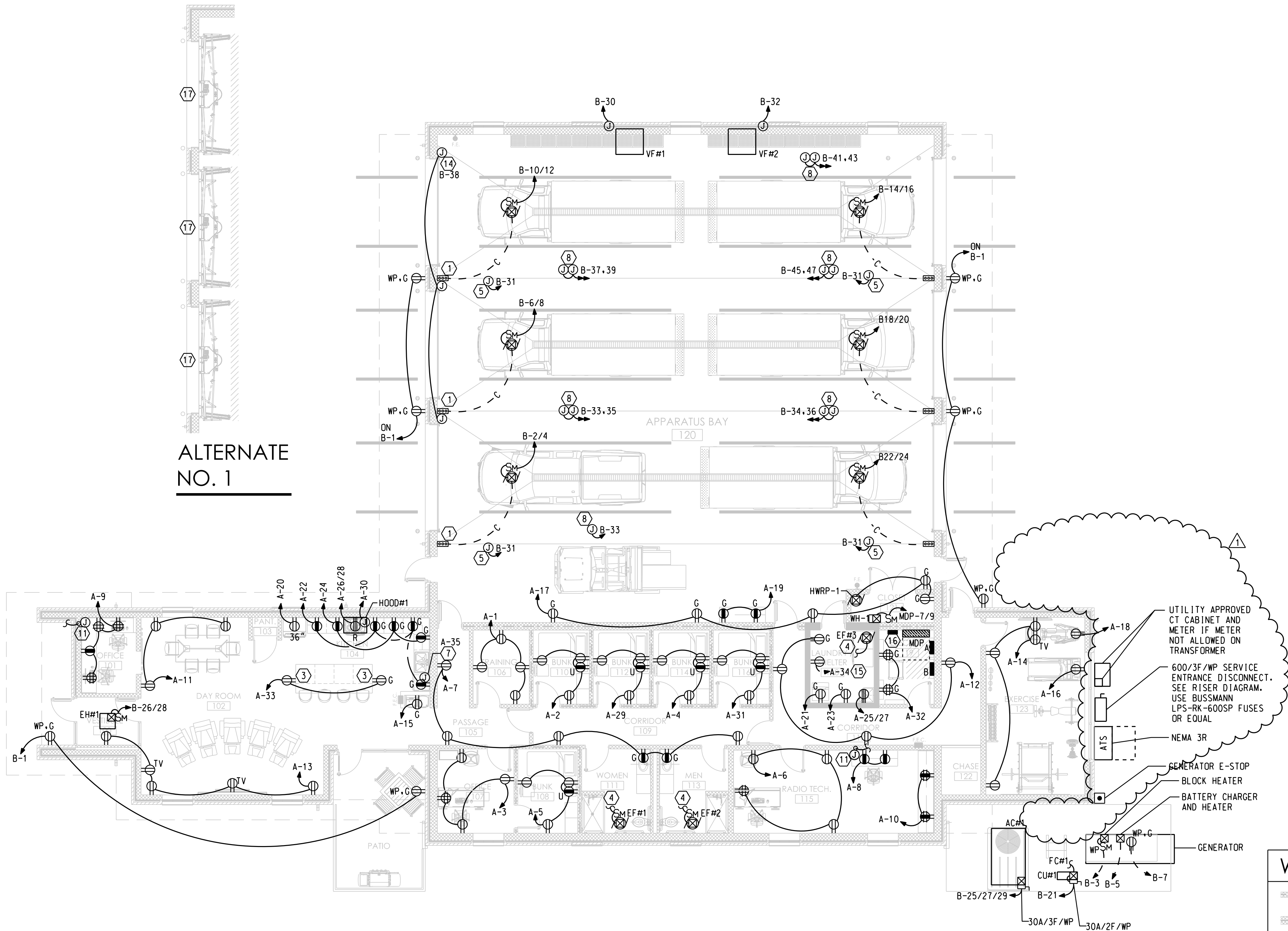
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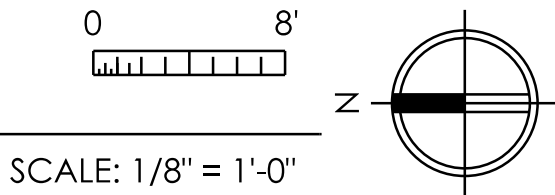
USERS
SCALES



ALTERNATE
NO. 1

POWER
FLOOR PLAN

7,987 SQUARE FEET



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

WALL TYPES

- 2 HR FIRE RATED CMU ICC 500 STORM SHELTER FIRE BARRIER.
- 1 HR RATED CMU OCCUPANCY SEPARATION FIRE BARRIER.
- 30 MIN. RATED CMU SEPARATION FIRE PARTITION.
- NON RATED CMU PARTITION. REF. PLAN FOR WIDTH.
- 3 5/8" METAL STUD & 5/8" GYP. BOARD CHASE ENCLOSURE.

GENERAL NOTES:

- COORDINATE ALL TV RECEPTACLE MOUNTING HEIGHTS WITH TV AND ARCHITECTURAL ELEVATIONS.
- ALL RECEPTACLES WITHIN 6' OF A WATER OUTLET MUST HAVE GFCI PROTECTION.
- OUTDOOR ELECTRICAL EQUIPMENT SHALL HAVE NEMA 3R RATING.

PLAN NOTES:

- GARAGE DOOR OPENER DOOR CONNECTION. PROVIDE SAFETY POSITION SENSORS AT 6" AFF. AND 10'-0" AFF. COORDINATE EXACT LOCATIONS AND ALL REQUIREMENTS WITH VENDOR.
- PROVIDE 120V/20A CIRCUIT USING 'A2' FEEDER FOR HOTBOX. SEE ELECTRICAL SITE PLAN, SHEET E0.1, FOR MORE INFORMATION.
- RECEPTACLES ON THE ISLAND MUST BE PLACED WITHIN 12" OF THE COUNTERTOP AND THE WORK SURFACE MUST NOT EXTEND MORE THAN 6" BEYOND THE SUPPORTING BASE SURFACE AS ACCORDING TO 2017 NEC ARTICLE 210.52(C).
- CONNECT TO LOCAL LIGHTING SWITCH.
- PROVIDE POWER FOR IR HEATER CONTROLS. CONNECT TO PANEL-CIRCUIT INDICATED USING 'A2' FEEDERS.
- NOT USED.
- J-BOX FOR CONNECTION TO DISHWASHER. COORDINATE ALL REQUIREMENTS WITH INSTALLER/SUPPLIER. PROVIDE GFCI PROTECTION AT BREAKER OR RECEPTACLE.
- SHORE LINE RECEPTACLES MOUNTED FROM CEILING. COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR MOUNTING LOCATION. SEE SHEET E4.1 FOR SHORE LINE DETAIL AND ASSOCIATED RECEPTACLE SPECIFICATION.
- TO DAMPER MOTOR USING FEEDER 'A2'. EC TO COORDINATE ALL REQUIREMENTS WITH SUPPLIER/INSTALLER.
- NOT USED.
- PROVIDE A (2) 1/2" CONDUIT FROM OFFICE 101 & RADIO TECH TO OWNER FURNISHED ANTENNA ON WEST WALL. REFER TO A1, A2.01.
- KITCHEN HOOD SYSTEM - COORDINATE WIRING TO ACCESSORIES W/DIV 23.
- NOT USED.
- PROVIDE POWER FOR STOP/GO PERIMETER LIGHTING SYSTEM. COORDINATE ALL REQUIREMENTS WITH SUPPLIER/INSTALLER. CONNECT TO PANEL-CIRCUIT INDICATED.
- RECEPTACLE FOR DEHUMIDIFIER MOUNTED ABOVE SHELTER. COORDINATE WITH SUPPLIER, AND MECHANICAL PLANS FOR ALL REQUIREMENTS. CONNECT TO PANEL-CIRCUIT INDICATED.
- GATED ACCESS CONTROL PANEL. COORDINATED REQUIREMENTS WITH SUPPLIER/INSTALLER. CIRCUIT TO 'B-11'.
- ALTERNATE #1 DOOR POWER REQUIREMENTS SIMILAR TO BASE BID. COORDINATE ALL REQUIREMENTS WITH DOOR MANUFACTURERS.



MECHANICAL
PLUMBING
ELECTRICAL
STRUCTURAL



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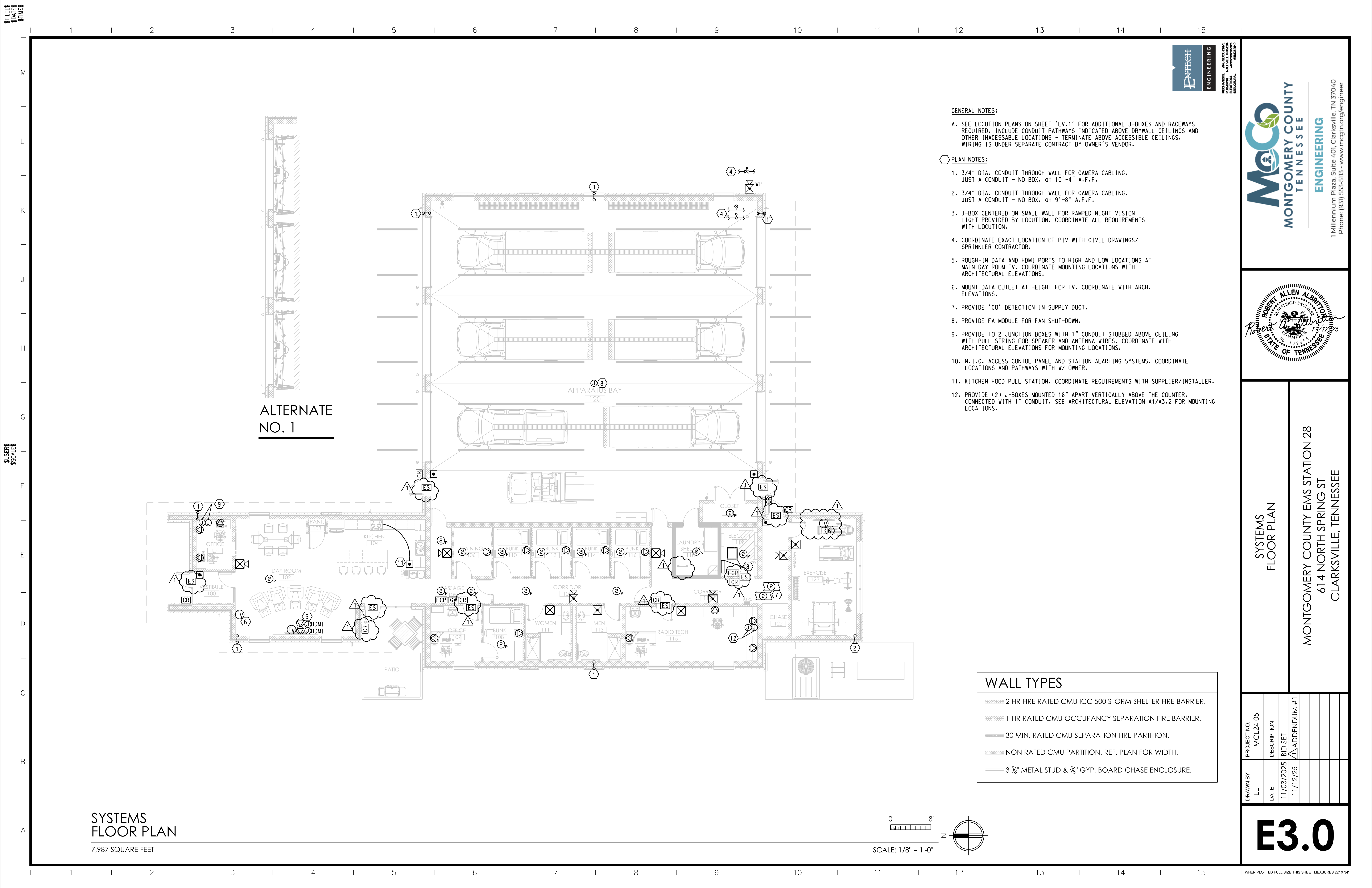
POWER
FLOOR PLAN

MONTGOMERY COUNTY EMS STATION 28
614 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

PROJECT NO.	MCE24-05
DESCRIPTION	
DATE	11/03/2025
BID SET	11/12/25
ADDENDUM #1	

E2.0

WHEN PLOTTED FULL SIZE THIS SHEET MEASURES 22" X 34"



LOAD SUMMARY				
Panel: MDP		Volts: 208		Phase: 3
Load Type	Connected KW	Demand Factor	Demand KW	Phase AMPS
LIGHTING	5.25	1.00	5.25	14.57
RECEPTACLES	42.16	—	26.08	72.39
MISC.	6.40	1.00	6.40	17.76
HEATING	3.00	1.00	3.00	8.33
COOLING	4.52	1.00	4.52	12.55
KITCHEN EQUIP	5.18	1.00	5.18	14.36
MEDICAL EQUIP	0.00	1.00	0.00	0.00
MOTORS	12.32	1.00	12.32	34.20
ELEVATORS	0.00	1.00	0.00	0.00
WATER HEATERS	1.00	1.00	1.00	2.78
SPARE CAPACITY	0.00	1.00	0.00	0.00
Total	79.83	—	63.75	176.95
Minimum feeder AMPS:	1.25	X	176.95	221.18
Feeder AMPS used:	600			

PANEL: B				TYPE: I-LINE				MOUNTING: SURFACE				AIC RATING: 22K				FDR #: S2	
VOLTAGE: 120/208V, 3P, 4W				MAIN: 200 AMP				MLO				SECTIONS: 1				SERVICE FROM: MDP	
BREAKER		FDR	SERVES	CIR KW	POLE	PHASE KW			POLE	CIR KW	SERVES	FDR	BREAKER				
AMPS	POLE	A				B	C	AMPS					POLE				
20	1	A2	REC-EXTERIOR	1.26	1	2.01	---	---	2	0.75	GARAGE OPENER	A2	20	2			
20	1	A2	BLOCK HEATER	1.20	3	---	1.95	---	4	0.75							
20	1	A2	CHARGER/HEATER	1.50	5	---	---	2.25	6	0.75	GARAGE OPENER	A2	20	2			
20	1	A2	REC-GEN	0.18	7	0.93	---	---	8	0.75							
20	1	A2	LIGHTING	1.25	9	---	2.00	---	10	0.75	GARAGE OPENER	A2	20	2			
20	1	A2	GATED ACCESS PANEL	1.00	11	---	---	1.75	12	0.75							
20	1		SPARE	0.00	13	0.75	---	---	14	0.75	GARAGE OPENER	A2	20	2			
20	1		SPARE	0.00	15	---	0.75	---	16	0.75							
20	1	A2	EXTR LTG - BLDG-MNTD	0.39	17	---	---	1.14	18	0.75	GARAGE OPENER	A2	20	2			
20	1	B1	EXTR LTG - SITE POLES	0.90	19	1.65	---	---	20	0.75							
30	2	B1	FC-CU	1.87	21	---	2.62	---	22	0.75	GARAGE OPENER	A2	20	2			
				1.87	23	---	---	2.62	24	0.75							
20	3	A3	AC#1	0.00	25	1.50	---	---	26	1.50	EH#1	A2	20	2			
				0.00	27	---	1.50	---	28	1.50							
				0.00	29	---	---	1.66	30	1.66	VF#1	B1	25	1			
20	1	A2	IR HEATERS	0.40	31	2.06	---	---	32	1.66	VF#2	B1	25	1			
20	1	A2	SHORELINE DROPCORD	1.60	33	---	3.20	---	34	1.60	SHORELINE DROPCORD	A2	20	1			
20	1	A2	SHORELINE DROPCORD	1.60	35	---	---	3.20	36	1.60	SHORELINE DROPCORD	A2	20	1			
20	1	A2	SHORELINE DROPCORD	1.60	37	2.60	---	---	38	1.00	STOP/GO LIGHTS	A2	20	1			
20	1	A2	SHORELINE DROPCORD	1.60	39	---	1.60	---	40	0.00	SPARE		20	1			
20	1	A2	SHORELINE DROPCORD	1.60	41	---	---	1.60	42	0.00	SPARE		20	1			
20	1	A2	SHORELINE DROPCORD	1.60	43	1.86	---	---	44	0.26	HVLS#1	A2	15	3			
20	1	A2	SHORELINE DROPCORD	1.60	45	---	1.86	---	46	0.26							
20	1	A2	SHORELINE DROPCORD	1.60	47	---	---	1.86	48	0.26							
20	1		SPARE	0.00	49	0.00	---	---	50	0.00	SPD	B3	30	3			
20	1		SPARE	0.00	51	---	0.00	---	52	0.00							
20	1		SPARE	0.00	53	---	---	0.00	54	0.00							
				PHASE KW		13.36	15.48	16.08									
				TOTAL KW		44.92											



MONTGOMERY COUNTY EMS STATION 28
614 NORTH SPRING ST
CLARKSVILLE, TENNESSEE

DRAWN BY EE	DATE	DESCRIPTION	PROJECT NO. MCE24-05
	11/03/2025	BID SET	
	11/12/25	ADDENDUM #1	

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