



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: *Addendum No. 2*
Jefferson Booster Station Replacement
Ashtabula County Board of Commissioners, OH

Date: July 23, 2026

This Addendum forms a part of the contract documents and modifies the original bidding documents dated July 2026 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

QUESTIONS AND ANSWERS

Q1. Is a load center required with the generator?

A1. Yes, a load center is required with the generator.

Q2. Can you provide a detail of the wiring required between the building and generator? As well as generator and load cell (if required)?

A2. As required in Specification 33 14 43 – Packaged Water Booster Station, the water booster station manufacturer shall design the generator. Refer to Section 4.4 for estimated sizing of the generator. Wiring shall meet the requirements of NEC.

Q3. Due to no geotechnical reports is it still sufficient to assume 2,000 psf for soil loading for the station foundation pad?

A3. The foundation of the water booster station shall be designed based on a soil loading of 1,000 psf.

Q4. Will the electrician be providing a new disconnect?

A4. Contractor to coordinate size required by the station manufacturer. A new disconnect is required prior to the meter box, as required by the electrical utility. A main disconnect shall be provided within the booster station.

Q5. Can you provide the following details for wiring between the generator and booster station: feeder sizes, extra circuits for battery chargers, engine heater, and control wiring?

A5. The wiring from the ATS to the generator shall be provided by the station manufacturer as required by NEC requirements and as defined in Specification 33 14 43 – Packaged Water Booster Station, Section 4.4 Engineer-Generator Set. Contractor shall update the wiring

requirements as defined by the booster station manufacturer. Engine heater and battery charger details shall be provided by the station manufacturer.

Q6. Can you provide a size for the generator pad and building foundation?

A6. The station manufacturer is to provide the size for the building foundation and generator pad. Contractor shall coordinate with station manufacturer for generator pad size and building foundation. Refer to details on plan sheet 12 of 17 for minimum dimension requirements.

Q7. A frost proof slab is required for the building permit, can you provide dimensions?

A7. See detail on sheet 15 of 17, the slab shall extend 4' off the building and extend 1' from the entrance on either side, or as required by building code. The cost of the frost proof slab should be included in the asphalt pavement.

Q8. Can USEMCO be considered an approved equal? Do we have to have a pre-submittal with the bid?

A8. A design with bid submittal shall be provided as required in Specification 33 14 43. Alternative manufacturers shall adhere to the requirements as described in Specification 33 14 43, Part 1.

Q9. Can fusible PVC be an acceptable alternate for the HDD portion of the watermain replacement?

A9. Fusible PVC is an acceptable alternative to HDPE pipe. Fusible PVC shall meet the requirements of AWWA C-900 pipe, certified NSF 61. The pipe shall have a minimum DR 21 rating, however a lower DR rating shall be provided based on the HDD bore plan requirements for pulling forces.

PLANS

1. **Replace** plan Sheet 14 with the attached Revised Sheet 14.
2. **Replace** plan Sheet 15 with the attached Revised Sheet 15.

RSS/MB:mep

Enclosures

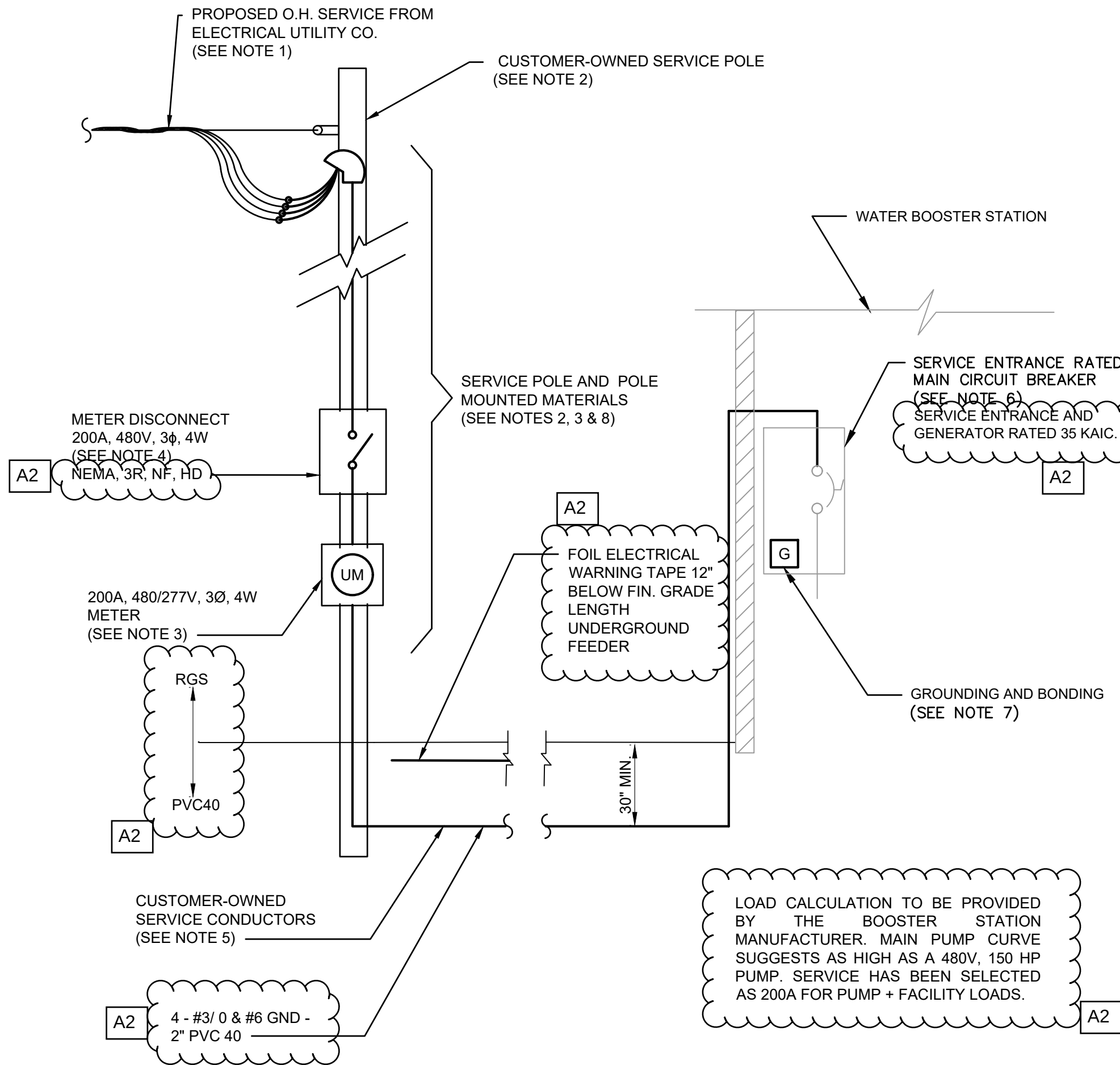
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ELECTRICAL GENERAL NOTES:

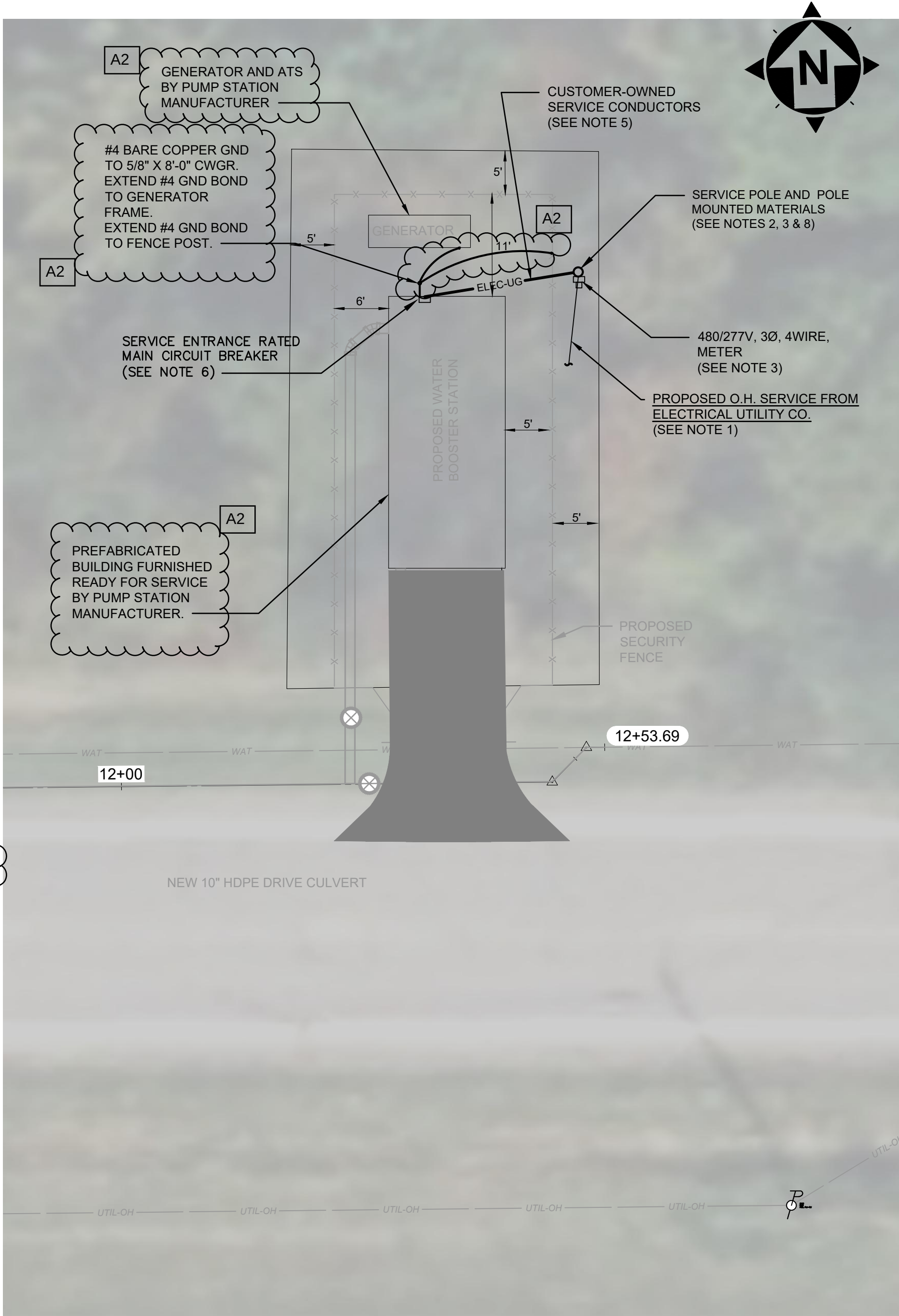
- ALL ELECTRICAL EQUIPMENT AND MATERIALS WILL BE SELECTED AND INSTALLED IN COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL FIRE CODES, INCLUDING BUT NOT LIMITED TO ALL PERTINENT NFPA REGULATIONS. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH THESE CODES.
- DO NOT INSTALL DEVICES SCALED FROM THESE DRAWINGS. ALL DEVICES SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE APPROVED CONDUIT/DEVICE LAYOUT DRAWINGS AND WITH DIMENSIONS TAKEN IN THE FIELD.
- ELECTRICIAN TO VISIT SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.
- ELECTRICIAN TO CONFIRM LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND ELECTRICAL CHARACTERISTICS OF PROCESS EQUIPMENT PROVIDED BY OTHER TRADES PRIOR TO INSTALLING ROUGH-INS AS SHOWN ON THE ELECTRICAL PLANS. ALL SHOP DRAWING REQUIREMENTS WILL BE CONSIDERED AS THE MEANS AND METHODS OF INSTALLATION.
- ELECTRICIAN SHALL REVIEW ALL OTHER TRADES' CONSTRUCTION DOCUMENTS AND/OR COORDINATE WITH OTHER TRADES AND VERIFY IF THERE ARE ANY ADDITIONAL ELECTRICAL REQUIREMENTS NOT SHOWN ON ELECTRICAL DRAWINGS. COST FOR WORK SHOWN ON OTHER TRADES' DRAWINGS SHALL BE INCLUDED IN BASE BID. ALL FIELD WIRING AND TERMINATIONS OF PROCESS EQUIPMENT AND INSTRUMENTATION AND CONTROLS SHALL BE THE RESPONSIBILITY OF THE ELECTRICIAN. ALL CABLES AND WIRES PROVIDED BY VENDORS SHALL BE INSTALLED AND TERMINATED BY THE ELECTRICIAN. WIRE ALL MISCELLANEOUS POWER AND CONTROLS AS REQUIRED TO PROVIDE A COMPLETE FUNCTIONING SYSTEM.
- CONFORM TO THE NEC, OSHA, FIRE MARSHAL, BUILDING DEPARTMENT AND OTHER APPLICABLE CODES AND REGULATIONS. OBTAIN PERMITS, PAY ALL FEES, AND ARRANGE FOR REQUIRED INSPECTIONS.
- ALL FEEDERS RUN BELOW GRADE SHALL BE RUN IN PVC CONDUIT AT MINIMUM 30" BELOW FINISHED GRADE.

PROPOSED ELECTRICAL SERVICE NOTES:

- PROVIDE A NEW 200A, 480Y/277V, 3-PHASE, 4-WIRE OVERHEAD ELECTRICAL SERVICE IN COORDINATION WITH OHIO EDISON / FIRST ENERGY. ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL, AND COORDINATE ALL CUSTOMER-OWNED SERVICE EQUIPMENT AND CONDUCTORS AS DESCRIBED HEREIN. UTILITY SHALL FURNISH AND INSTALL THE OVERHEAD SERVICE DROP AND REVENUE METER.
INCLUDES:
 - SERVICE DROP ATTACHMENT HARDWARE
 - REQUIRED ANCHORS OR GUYS (IF REQUIRED BY UTILITY)
 - POLE GROUNDING PROVISIONS
- PROVIDE A 200A, 480Y/277V, 3-PHASE, 4-WIRE SELF-CONTAINED METER SOCKET, RINGLESS AND LEVER-BYPASS TYPE, NEMA 3R, LISTED AND APPROVED FOR USE BY OHIO EDISON / FIRST ENERGY. METER SOCKET AND SERVICE POLE SHALL BE LOCATED OUTSIDE THE SECURITY FENCE AND ARRANGED TO PROVIDE UNRESTRICTED ACCESS TO UTILITY PERSONNEL AT ALL TIMES.
NOTE:
 - METER SOCKET IS CUSTOMER_FURNISHED
 - REVENUE METER IS UTILITY_FURNISHED
 - METER LOCATION SATISFIES UTILITY ACCESS RULES
- PROVIDE A CUSTOMER-OWNED, LOCKABLE DISCONNECT SWITCH AHEAD OF THE METER AS REQUIRED BY OHIO EDISON FOR 480-VOLT, 3-PHASE SERVICE. DISCONNECT SHALL BE SUITABLE FOR UTILITY ISOLATION PURPOSES AND SHALL NOT SERVE AS THE SERVICE DISCONNECTING MEANS PER NEC.
- PROVIDE CUSTOMER-OWNED SERVICE CONDUCTORS FROM THE SECONDARY SIDE OF UTILITY XFMR TO THE PACKAGED BOOSTER STATION MAIN CIRCUIT BREAKER.
- PACKAGED WATER BOOSTER STATION IS FURNISHED WITH AN INTEGRAL MAIN CIRCUIT BREAKER LISTED AND LABELED AS "SUITABLE FOR USE AS SERVICE EQUIPMENT." THIS BREAKER SHALL SERVE AS THE NEC SERVICE DISCONNECTING MEANS FOR THE FACILITY.
- PROVIDE COMPLETE GROUNDING AND BONDING SYSTEM FOR SERVICE EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 250 AND FIRST ENERGY REQUIREMENTS, INCLUDING GROUND RODS, GROUNDING ELECTRODE CONDUCTORS, AND BONDING OF THE SERVICE POLE, METER SOCKET, RACEWAYS, AND SERVICE EQUIPMENT.
- METERING EQUIPMENT, SERVICE POLE, AND UTILITY-REQUIRED DISCONNECT SHALL BE LOCATED OUTSIDE THE SECURITY FENCE. SERVICE CONDUCTORS SHALL PASS BENEATH THE FENCE IN CONDUIT TO THE BOOSTER STATION BUILDING. NO UTILITY EQUIPMENT SHALL BE LOCATED WITHIN LOCKED OR RESTRICTED-ACCESS AREAS.



PROPOSED ELECTRICAL SERVICE
1-LINE DIAGAM & NOTES



WATER BOOSTER STATION
PROPOSED ELECTRICAL SERVICE
SITE PLAN

SCALE: 1" = 10'



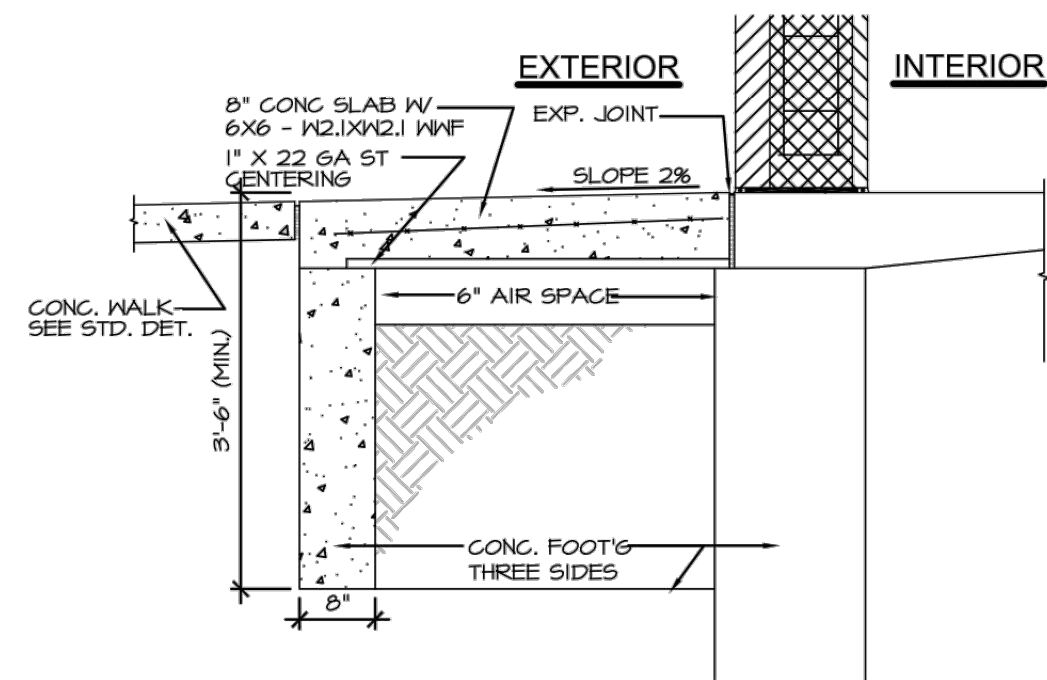
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DATE	REVISION	NO	ISSUED FOR	REVIEW SET	ISSUE DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
7/23/26	1	ADDENDUM 02		3/27/26	AS NOTED				

ASHTABULA COUNTY	JEFFERSON, OHIO
JEFFERSON BOOSTER STATION REPLACEMENT	ASHTABULA COUNTY
ELECTRICAL - 10 SERIES	ELECTRICAL- PLAN, NOTES, & 1-LINE

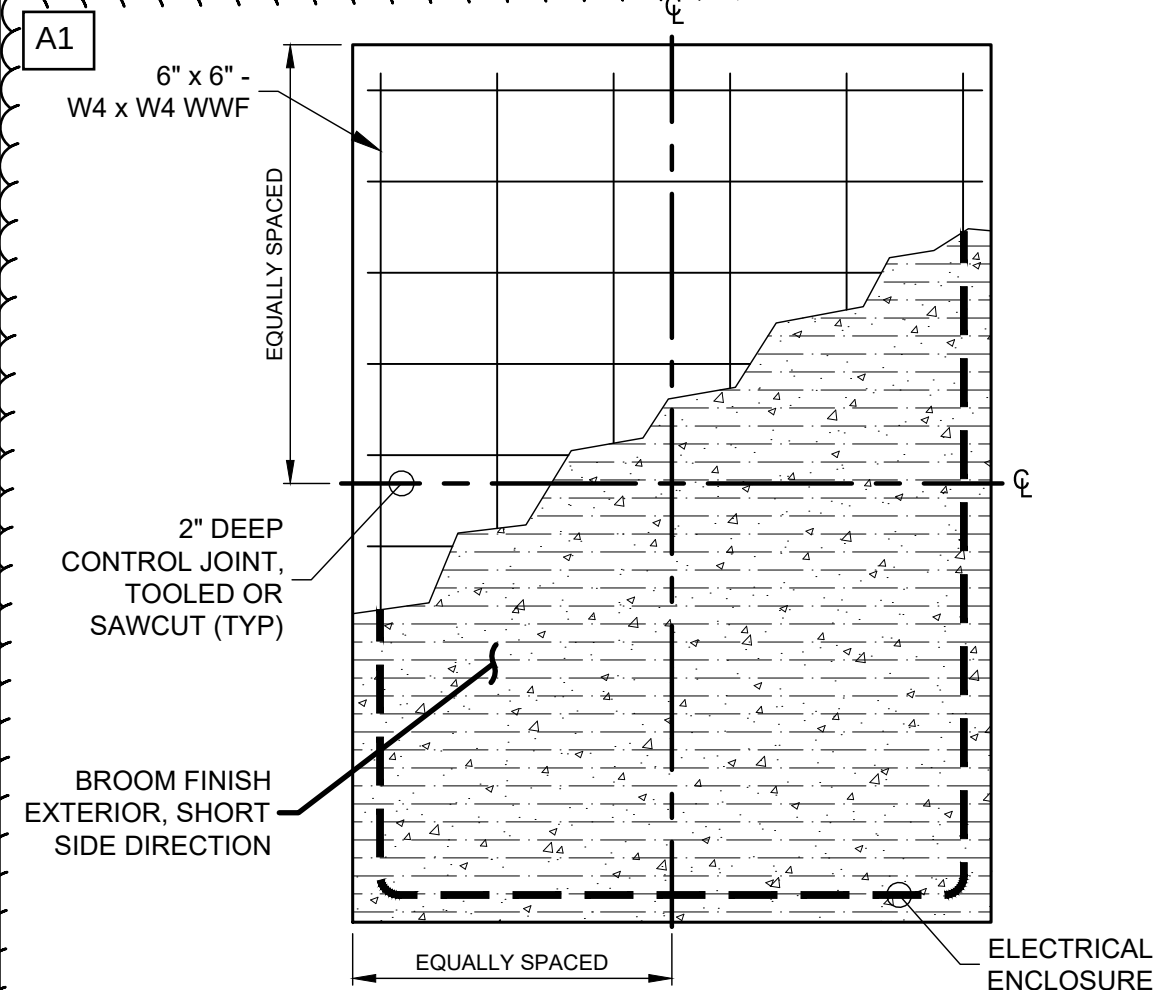
PROJECT NO.	232225
DISCIPLINE	ELECTRICAL
SHEET NAME	10E-01
SHEET	OF
14	17

A2

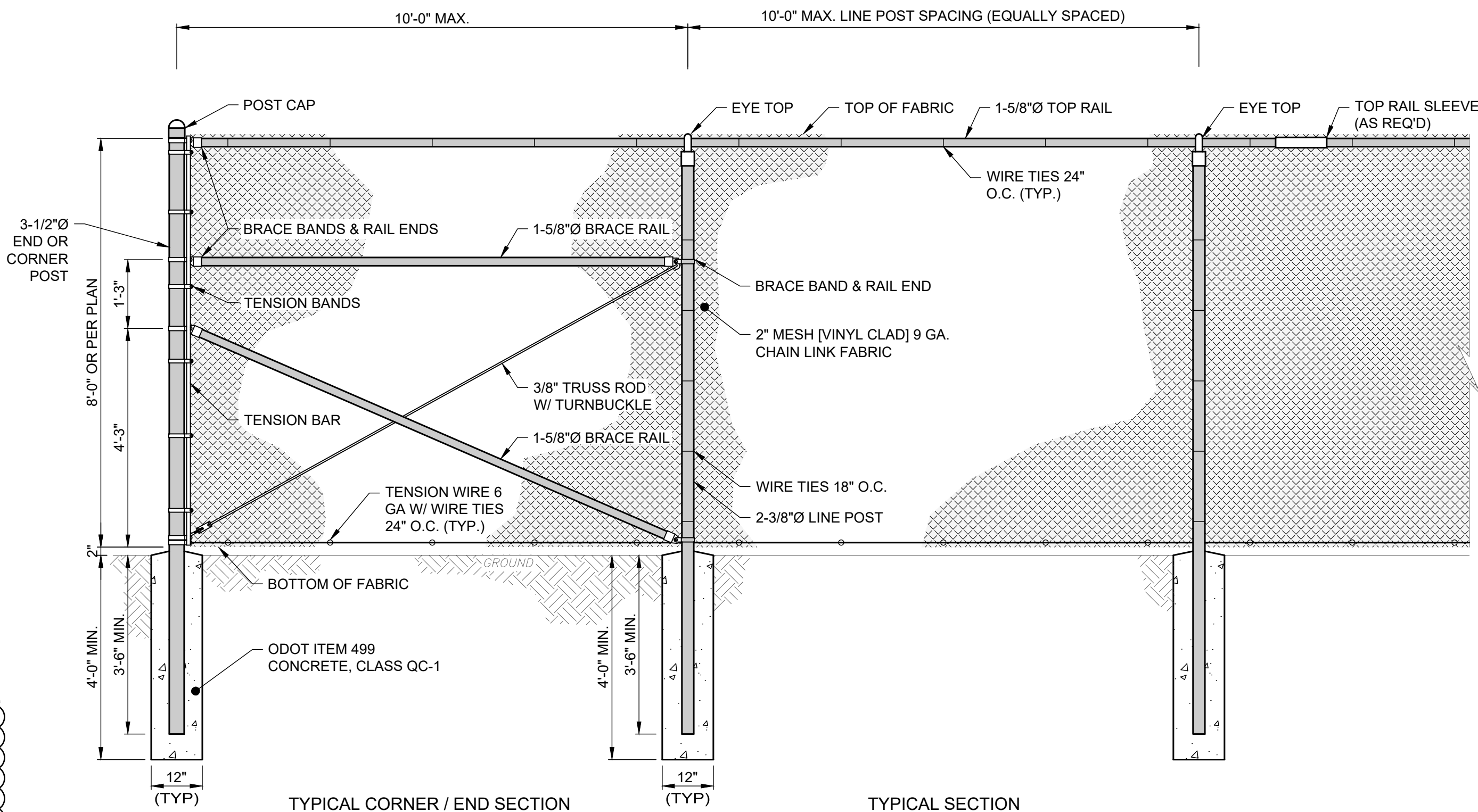


FROST PROOF SLAB DETAIL
NOT TO SCALE

A1



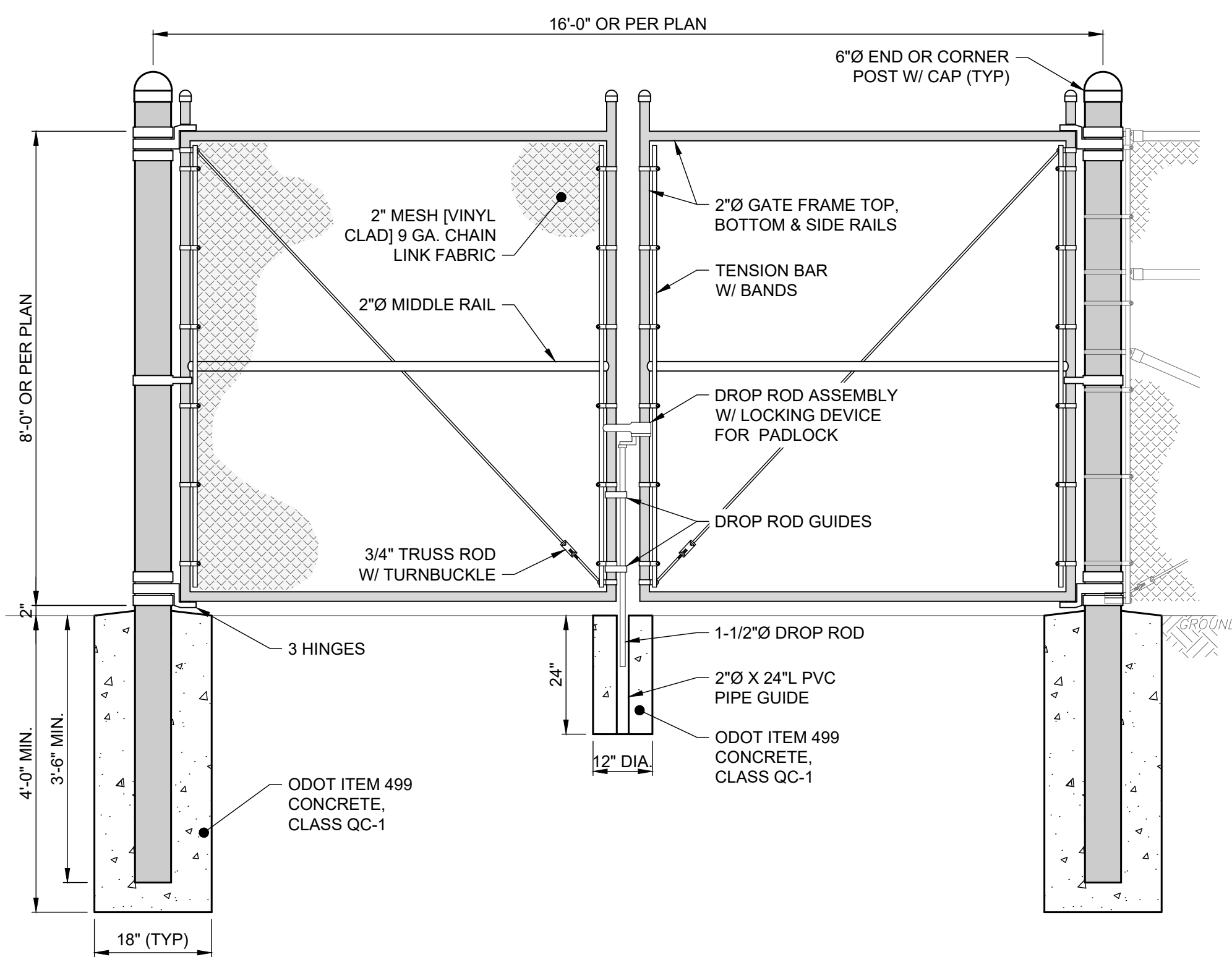
GENERATOR PAD DETAIL
NOT TO SCALE



8' CHAIN LINK FENCE DETAIL
SCALE: NONE

NOTES:

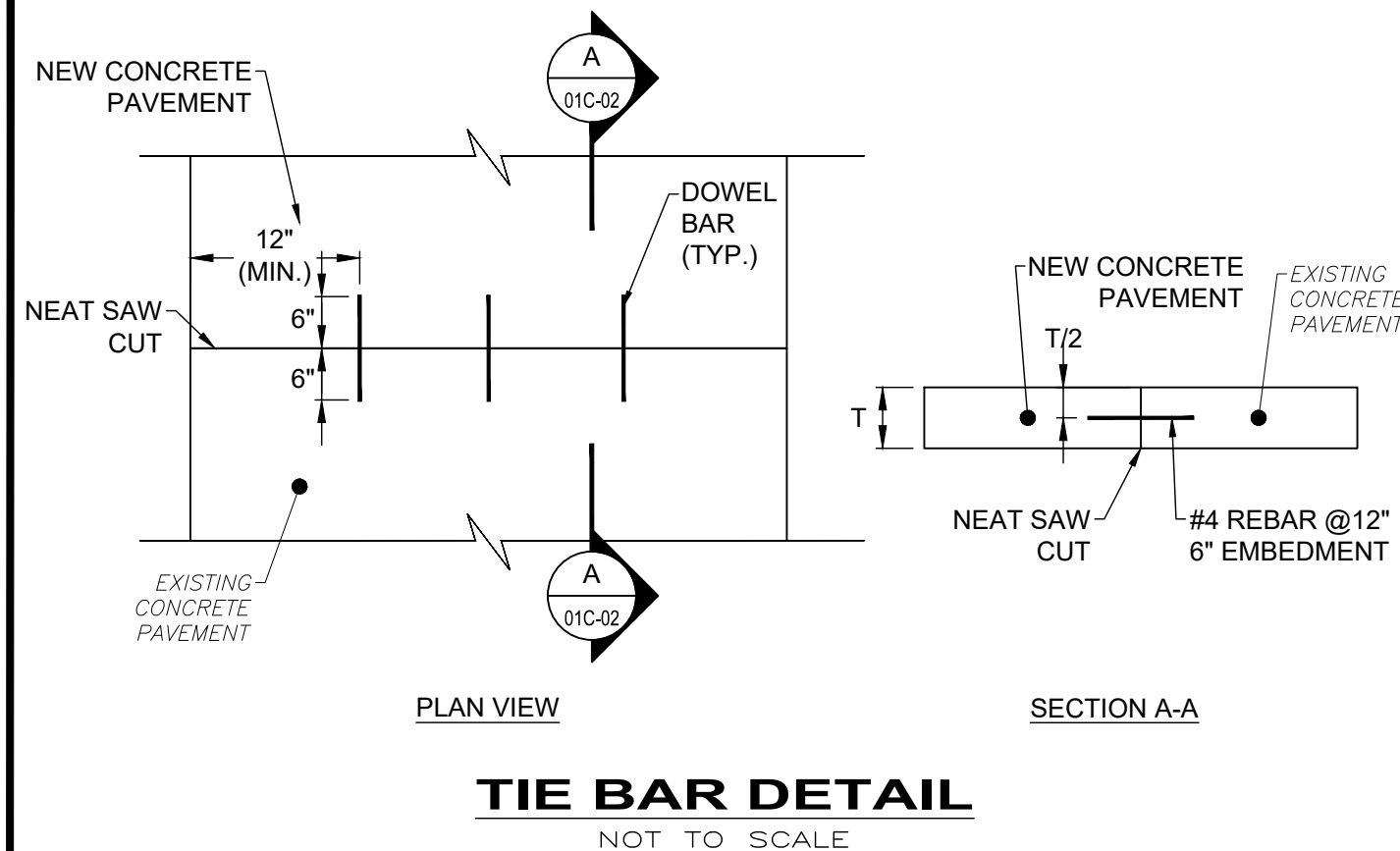
1. POSTS SHALL BE SMOOTH, WATER TIGHT, AND FREE OF BURRS AND SHARP PROJECTIONS FABRICATED FROM SCH. 40 STEEL PIPE PER ASTM A-53.
2. GALVANIZE ALL PIPES AFTER FABRICATION PER ASTM A-123. RE-GALVANIZE AREAS WHERE COATING IS DAMAGED.
3. ALL HARDWARE, CONNECTORS, BOLTS, NUTS, WASHERS, ETC. SHALL BE HOT-DIPPED ZINC COATED GALVANIZED STEEL PER ASTM A653.
4. PLACE FABRIC ON OUTSIDE OF SERVICE AREA [OR INSIDE OF PLAY AREA].
5. ALL POSTS, FABRIC, HARDWARE, CONNECTORS, ETC. SHALL BE PAINTED [BLACK] FOLLOWING THE AMERICAN GALVANIZERS ASSOCIATION (AGA) SPECIFICATIONS. [FINAL COLOR SHALL BE CHOSEN BY OWNER OR ARCHITECT.]



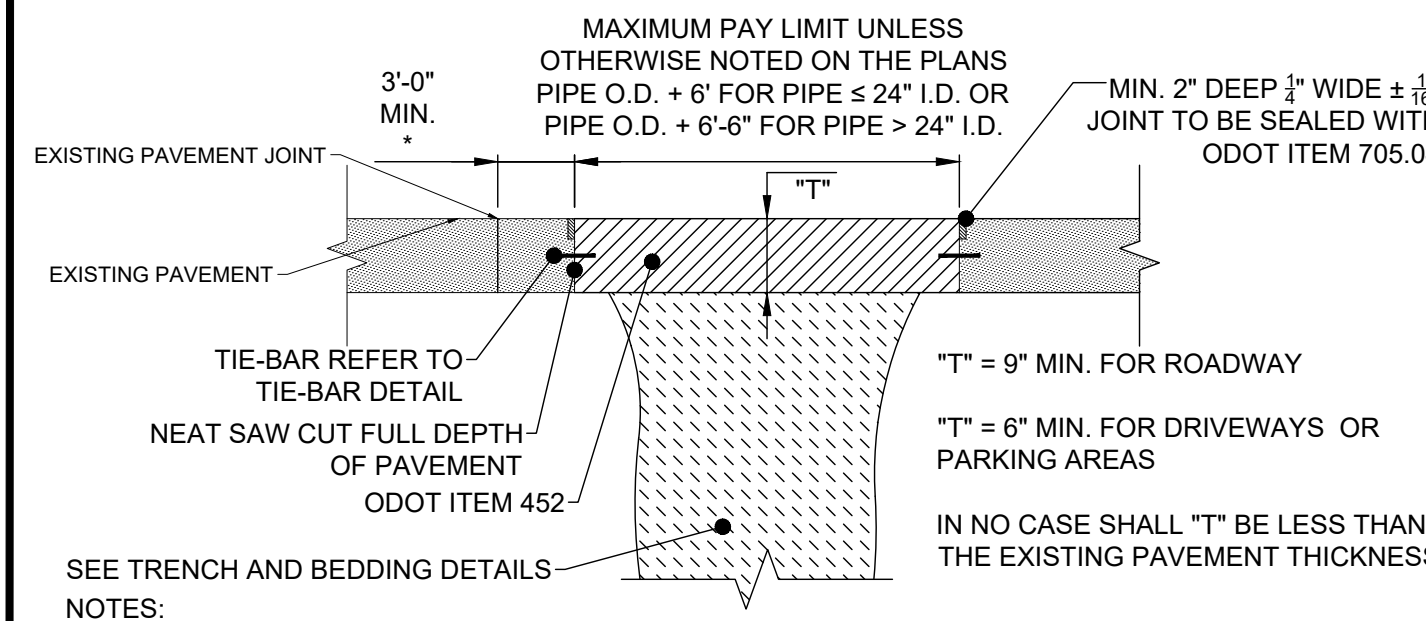
CHAIN LINK FENCE DOUBLE GATE DETAIL
SCALE: NONE

NOTES:

1. POSTS SHALL BE SMOOTH, WATER TIGHT, AND FREE OF BURRS AND SHARP PROJECTIONS FABRICATED FROM SCH. 40 STEEL PIPE PER ASTM A-53.
2. GALVANIZE ALL PIPES AFTER FABRICATION PER ASTM A-123. RE-GALVANIZE AREAS WHERE COATING IS DAMAGED.
3. ALL HARDWARE, CONNECTORS, BOLTS, NUTS, WASHERS, ETC. SHALL BE HOT-DIPPED ZINC COATED GALVANIZED STEEL PER ASTM A653.
4. PLACE FABRIC ON OUTSIDE OF SERVICE AREA [OR INSIDE OF PLAY AREA].
5. CONTRACTOR SHALL SUPPLY LOCK AND LOCK HASP (COORDINATE WITH OWNER THE TYPE).
6. THIS DETAIL IS FOR REFERENCE AND GENERAL DIMENSION CONTROL ONLY; SEE MANUFACTURER'S SPECIFICATIONS FOR ACTUAL DIMENSIONS, CONFIGURATION, PARTS LIST, ETC.



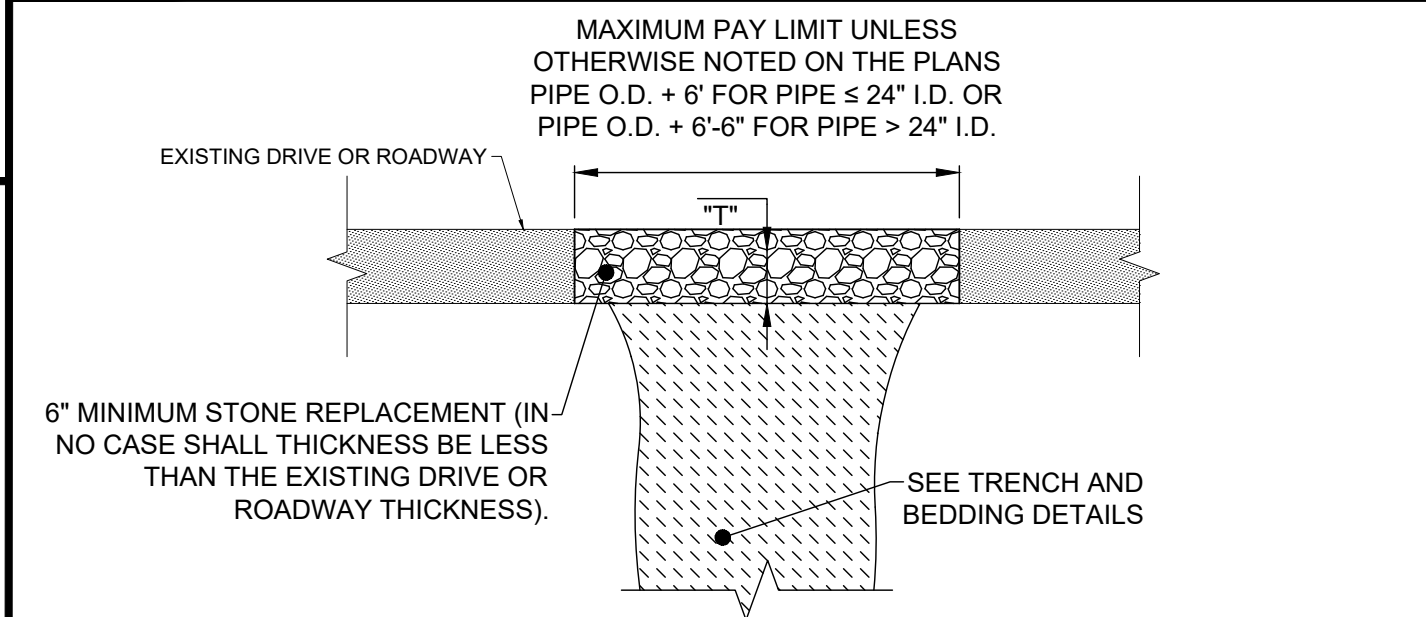
TIE BAR DETAIL
NOT TO SCALE



1. EXISTING SUBBASE MATERIAL (IF ANY) SHALL BE REPLACED, AS DIRECTED BY ENGINEER.
2. REPLACEMENT SHALL BE REINFORCED AS PER O.D.O.T. ITEM 709.10 OR 709.12 IF EXISTING PAVEMENT IS REINFORCED.
3. 5/8" HOOKBOLT @ 30" O.C. MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

* WHERE WIDTH IS LESS THAN 3'-0" OR EXISTING PAVEMENT IS DETERIORATED, THE CONTRACTOR SHALL REPLACE ADDITIONAL PAVEMENT AS DIRECTED BY THE ENGINEER. PAYMENT FOR ADDITIONAL PAVEMENT REPLACEMENT AS DIRECTED BY THE ENGINEER SHALL BE AT THE SAME UNIT PRICE BID.

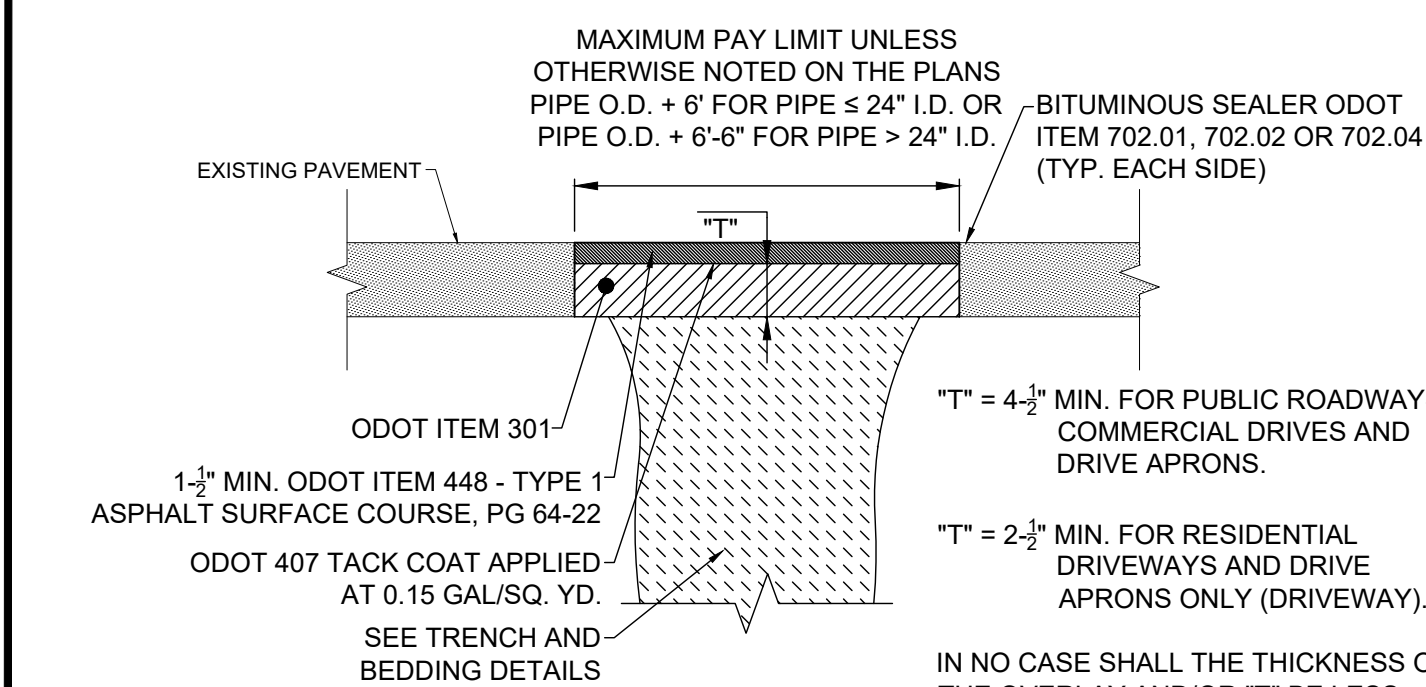
TYPE A PAVEMENT REPLACEMENT
NOT TO SCALE



NOTE:

1. REPLACEMENT MATERIAL SHALL BE THE SAME TYPE AND SIZE AS EXISTING.

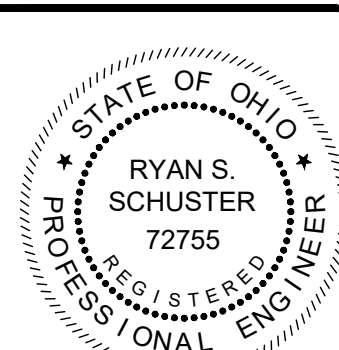
TYPE F PAVEMENT REPLACEMENT
NOT TO SCALE



NOTE:

1. EXISTING SUBBASE MATERIAL (IF ANY) SHALL BE REPLACED, AS DIRECTED BY ENGINEER.

TYPE C PAVEMENT REPLACEMENT
NOT TO SCALE



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ISSUED FOR:	REVIEW SET	NO	REVISION	DATE
JEFFERSON COUNTY BOOSTER STATION REPLACEMENT	3/27/26	1	ADDENDUM 01	7/17/26
ASHTABULA COUNTY	AS NOTED	2	ADDENDUM 02	7/23/26
DESIGNED BY:	MLB			
DRAWN BY:	JBB			
CHECKED BY:	RSS			

PROJECT NO.	232225
DISCIPLINE	CIVIL
SHEET NAME	SD-C-01
SHEET	15
OF	17