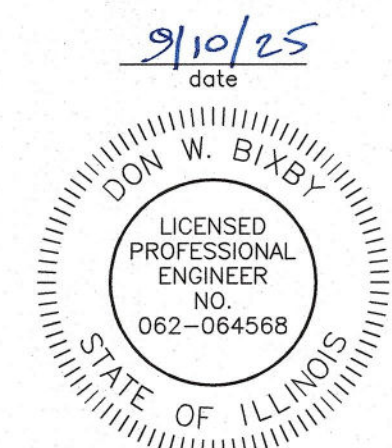


- 1 COVER SHEET
- 2 GRADING PLAN
- 3 SITE PLAN
- 4 ALUM BUILDING ELEVATIONS
- 5 ALUM BUILDING PLUMBING PLAN
- 6 ALUM BUILDING LAYOUT AND ELECTRICAL
- 7 BUILDING TYPICAL SECTIONS
- 8 EXISTING U.V. CHANNEL DEMO PLAN
- 9 NEW U.V. CHANNEL LAYOUT
- 10 STRUCTURAL PLAN AND SECTIONS
- 11 NEW U.V. DETAILS
- 12 NEW U.V. ELECTRICAL
- 13 NEW SLUDGE PUMPS PLAN AND DETAILS
- 14 NEW SLUDGE PUMPS ELECTRICAL PLAN
- 15 FIBER OPTIC DETAILS
- 16 SUMP PIT REPAIR PLAN AND DETAILS



CITY MAYOR:	CHRIS BROWN
CITY CLERK:	LORI WERDEN
CITY ALDERMEN:	HERB WYETH DEAN TAMBLING ALEX CLUBB JIM BLACK JAKE DUVICK JULIAN HOUSTON CARRIE HALL SARAH METTILLE

CHAMLIN & ASSOCIATES, INC.
4152 PROGRESS BLVD
PERU, IL. 61354
PHONE: (815) 223-3344
FAX: (815) 223-3348



expires 11-30-2025

Don W Bixby
signature

PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

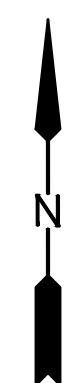
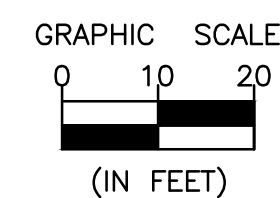
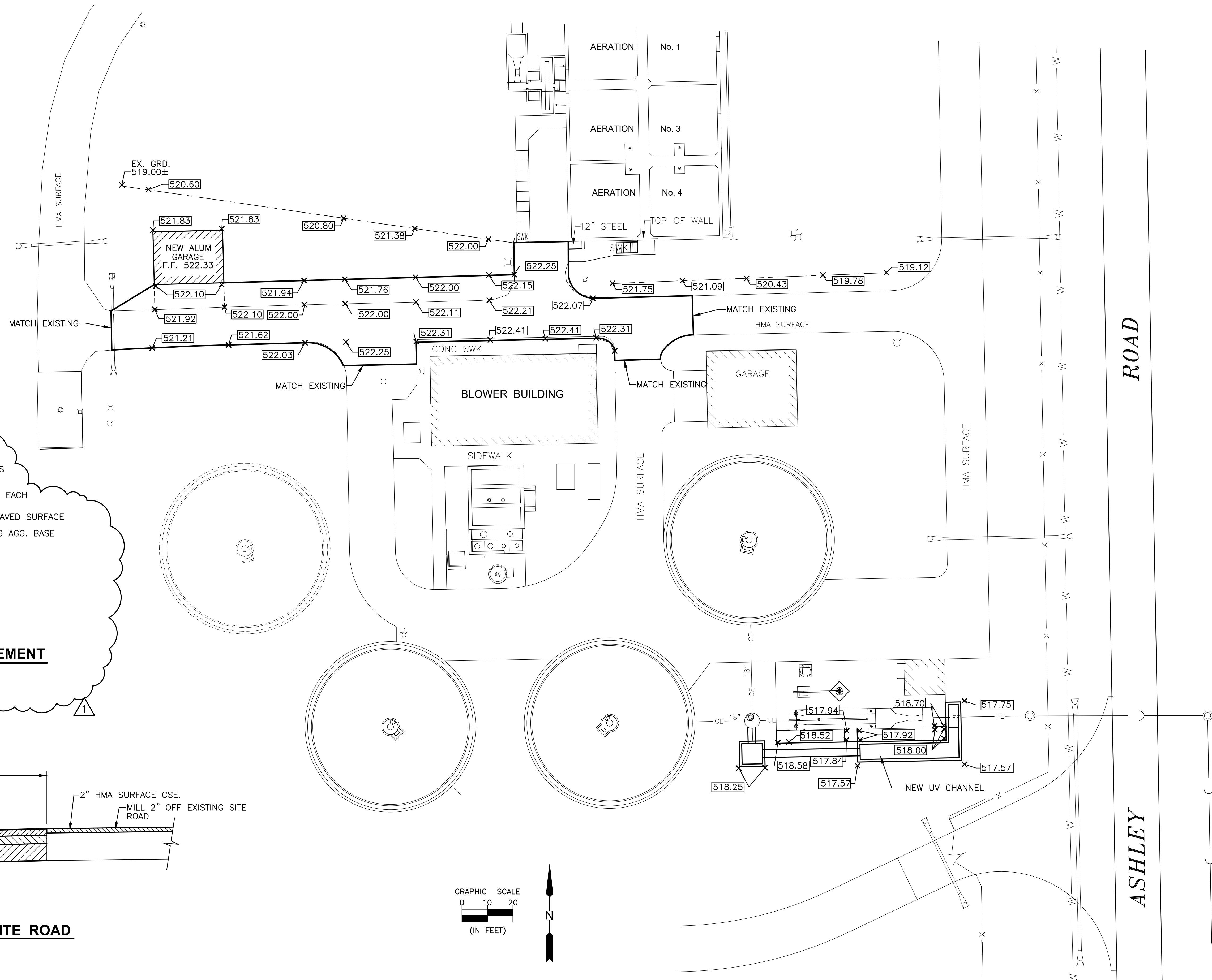
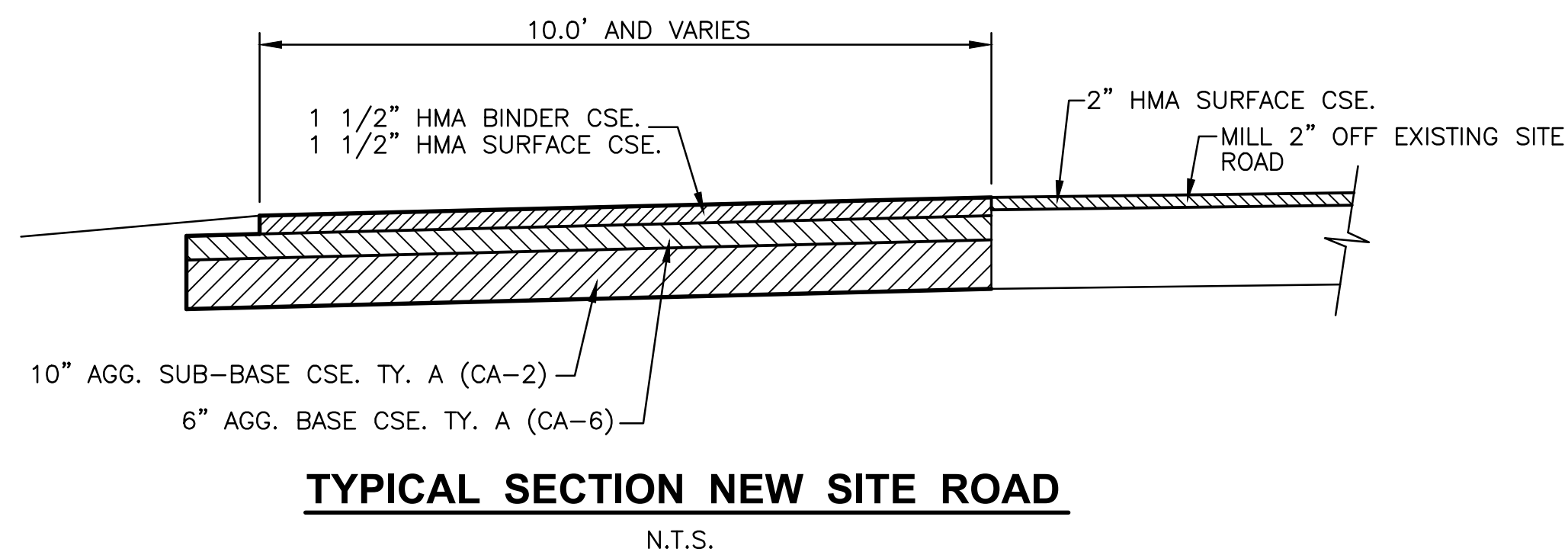
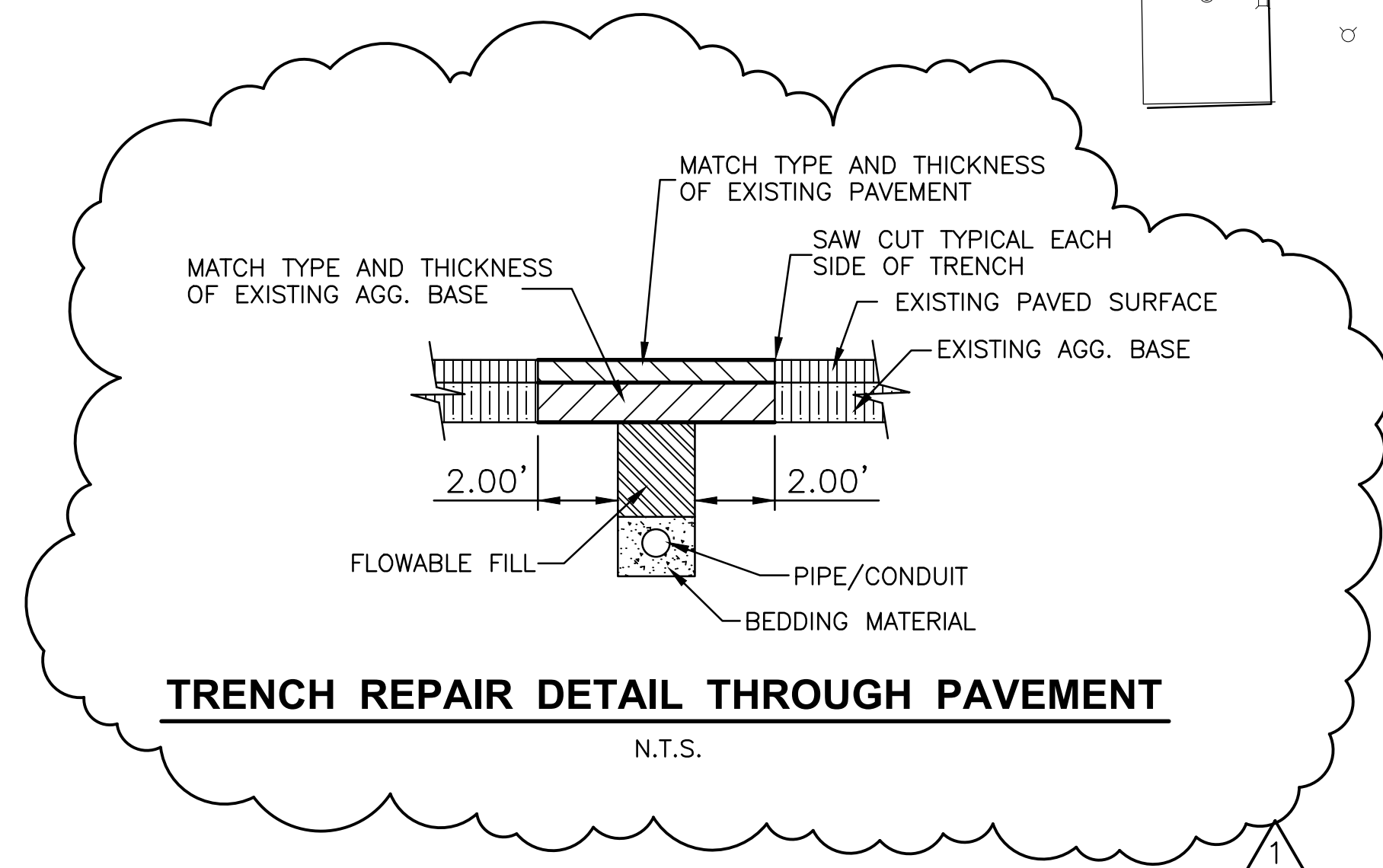


Chamlin & Associates

[illegible]

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FILE NO.: 5989.00 Y-	OF	16

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	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: DWB	1	G.A.H.	10/1/25	ADDENDUM 3
DATE: 5/7/25				



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ILLINOIS

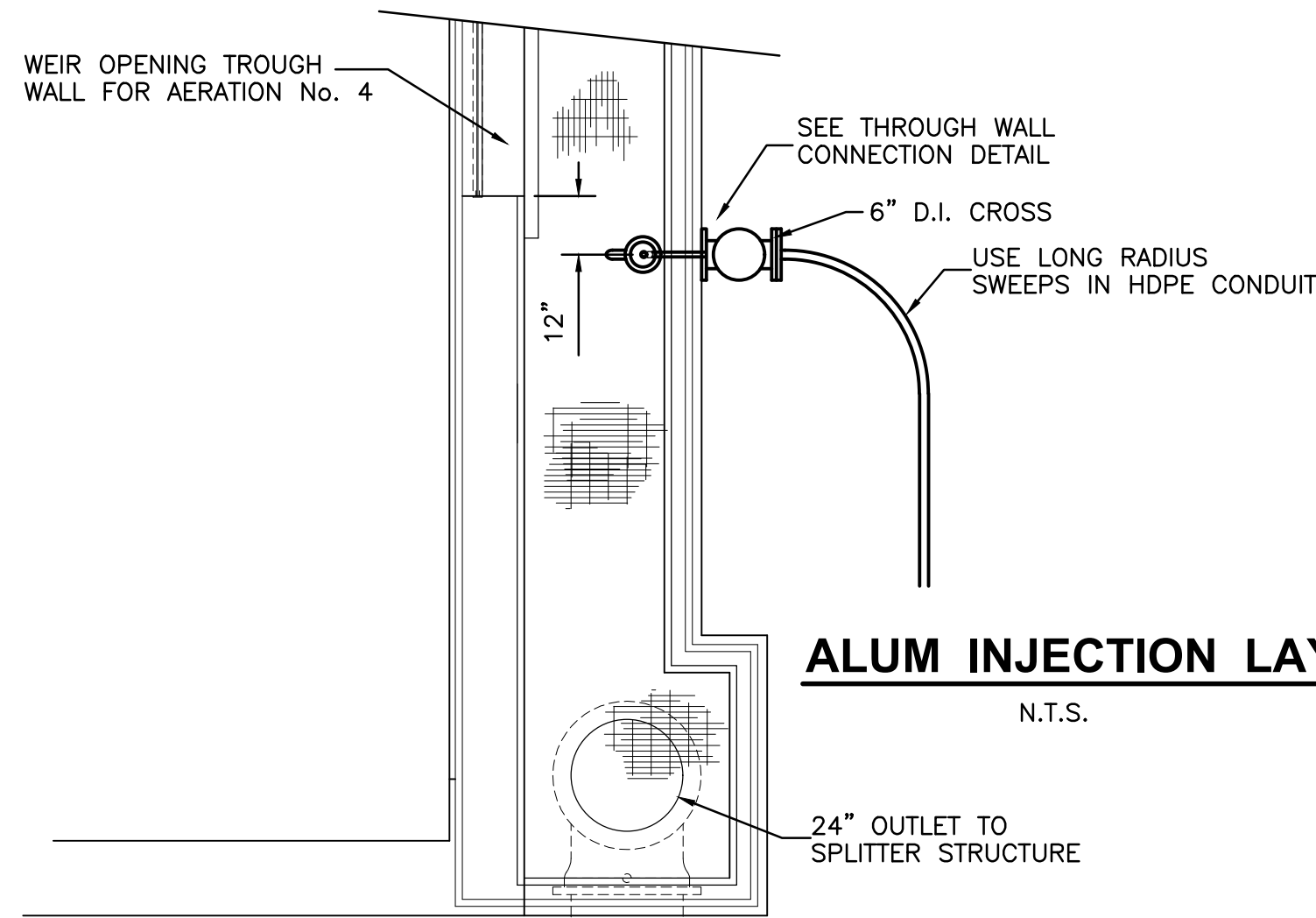
CITY OF MORRIS
PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

SITE PLAN

**BIDDING
PLANS**

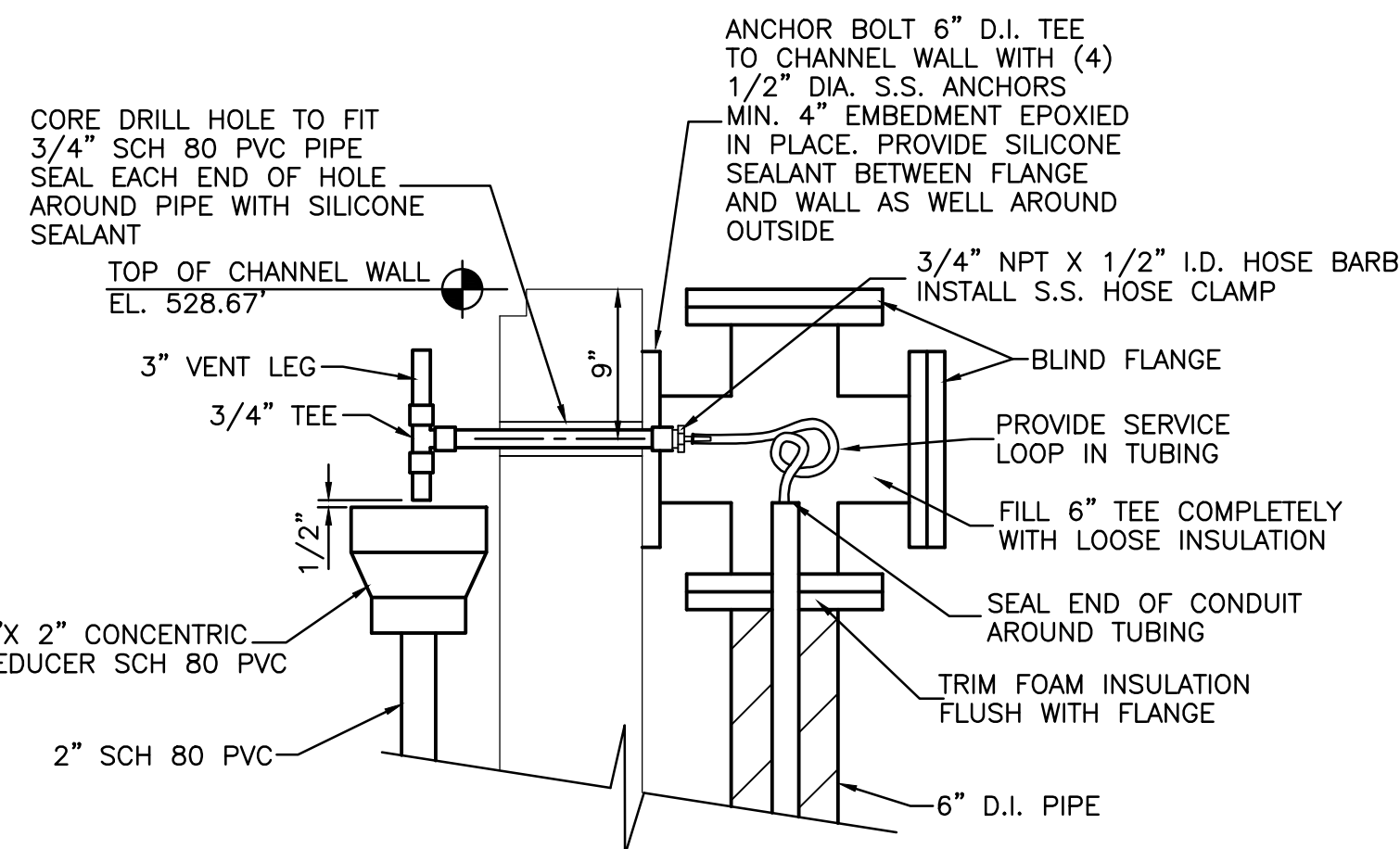
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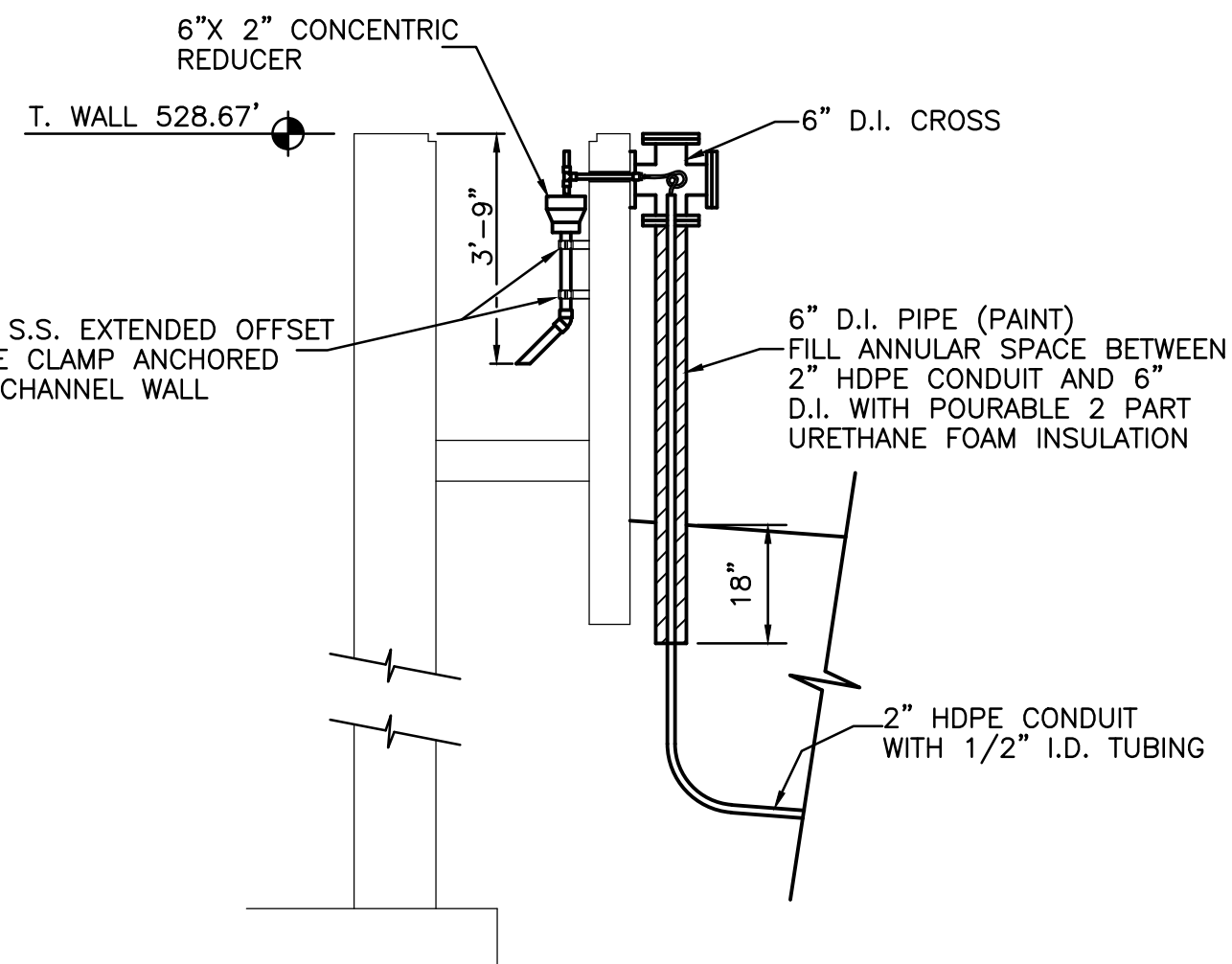
ALUM INJECTION LAYOUT

N.T.S.



THROUGH WALL CONNECTION DETAIL

N.T.S.



ALUM INJECTION DETAIL

N.T.S.

ALL UNDERGROUND PIPING, ELECTRICAL OR COMMUNICATIONS LINES SHOWN ON THIS SITE PLAN ARE NOT TO BE CONSIDERED ACCURATE. THE LINES SHOWN ARE LAID OUT FROM HISTORICAL DRAWINGS OF PAST PROJECTS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO GET ALL UNDERGROUND UTILITIES LOCATED BY WHAT EVER MEANS NECESSARY. THE OWNER OR ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY LINE OR PIPE ENCOUNTERED THAT IS NOT INDICATED ON THIS OR ANY OTHER DRAWING FOR THIS PROJECT.

12 CORE FIBER CABLE IN 1 1/2" CONDUIT WITH TRACER WIRE

NOTE:
PIPE 6" AND SMALLER CAN BE H.D.D.
CONTRACTORS OPTION

CUT IN NEW 8"x4" TEE
I.E. 516.06± (VERIFY IN FIELD)

33 L.F. 4" PVC SDR 26
@ 1.0%

4" CLEAN OUT

240 L.F. 2" HDPE CONDUIT FOR 1/2" P.E. TUBING
TUBING SHALL NOT HAVE A SPLICE BETWEEN THE ALUM BUILDING AND THE AERATION MIXED LIQUOR CHANNEL

SEE ALUM INJECTION DETAILS THIS SHEET

EXISTING DRAIN PIPE VALVES

EXISTING 2 1/2" DRAIN PIPE
6" PVC GROUND WATER DRAIN
INVERT TO MATCH INVERT OF CULVERT
I.E. 515.74

INTERCEPT 2 1/2" DRAIN WATER FORCE MAIN
AFTER VALVE AND INCREASE PIPE SIZE TO 6" PVC

INSTALL SERVICE TEE
2" CURB STOP AND BOX
PROVIDE TRANSITION FITTING FROM COPPER TO P.E.

260 L.F. 2" HDPE SDR 11

12 CORE FIBER CABLE IN 1 1/2" CONDUIT WITH TRACER WIRE

S.S. PULL BOX FOR FIBER CABLES

(3) 4/0, (1) 2 in 2 1/2" C.

BLOWER BUILDING

SIDEWALK

HMA SURFACE

HMA SURFACE

HMA SURFACE

HMA SURFACE

HMA SURFACE

HMA SURFACE

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HMA SURFACE

EXISTING U.V. EQUIPMENT TO BE REMOVED AND CHANNELS MODIFIED. SEE SHEET 8
EXISTING FLUME SHALL BE PROTECTED DURING THIS WORK

U.V. CONTROL BUILDING

EXISTING POLE AND LIGHT FIXTURE TO BE RELOCATED

REMOVE UN-USED UTILITY POLE

NEW U.V. CHANNEL

S.S. PULL BOX FOR FIBER CABLES

(2) 12 CORE FIBER CABLE IN 1 1/2" CONDUIT WITH TRACER WIRE

EXISTING 8"x4" U.V. CHANNEL

EXISTING 6" PVC GROUND WATER DRAIN

EXISTING 2 1/2" DRAIN PIPE

EXISTING 4" PVC GROUND WATER DRAIN

EXISTING 6" PVC GROUND WATER DRAIN

EXISTING 8" PVC GROUND WATER DRAIN

EXISTING 10" PVC GROUND WATER DRAIN

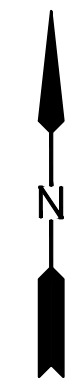
EXISTING 12" PVC GROUND WATER DRAIN

EXISTING 14" PVC GROUND WATER DRAIN

EXISTING 16" PVC GROUND WATER DRAIN

EXISTING 18" PVC GROUND WATER DRAIN

GRAPHIC SCALE
0 15 30
(IN FEET)



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CHECKED BY: DWB					
DATE: 5/7/25					



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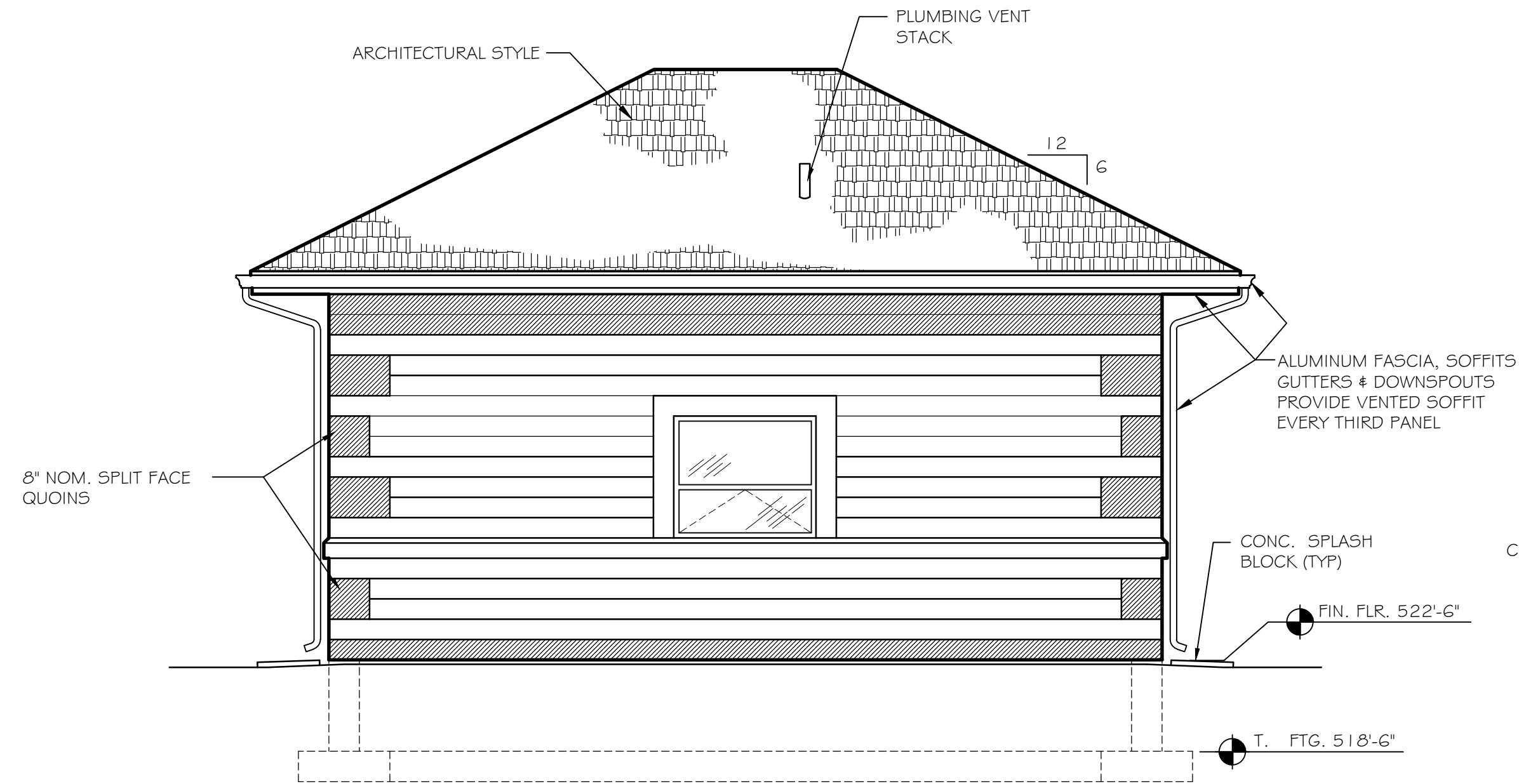
CITY OF MORRIS
PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

SITE PLAN

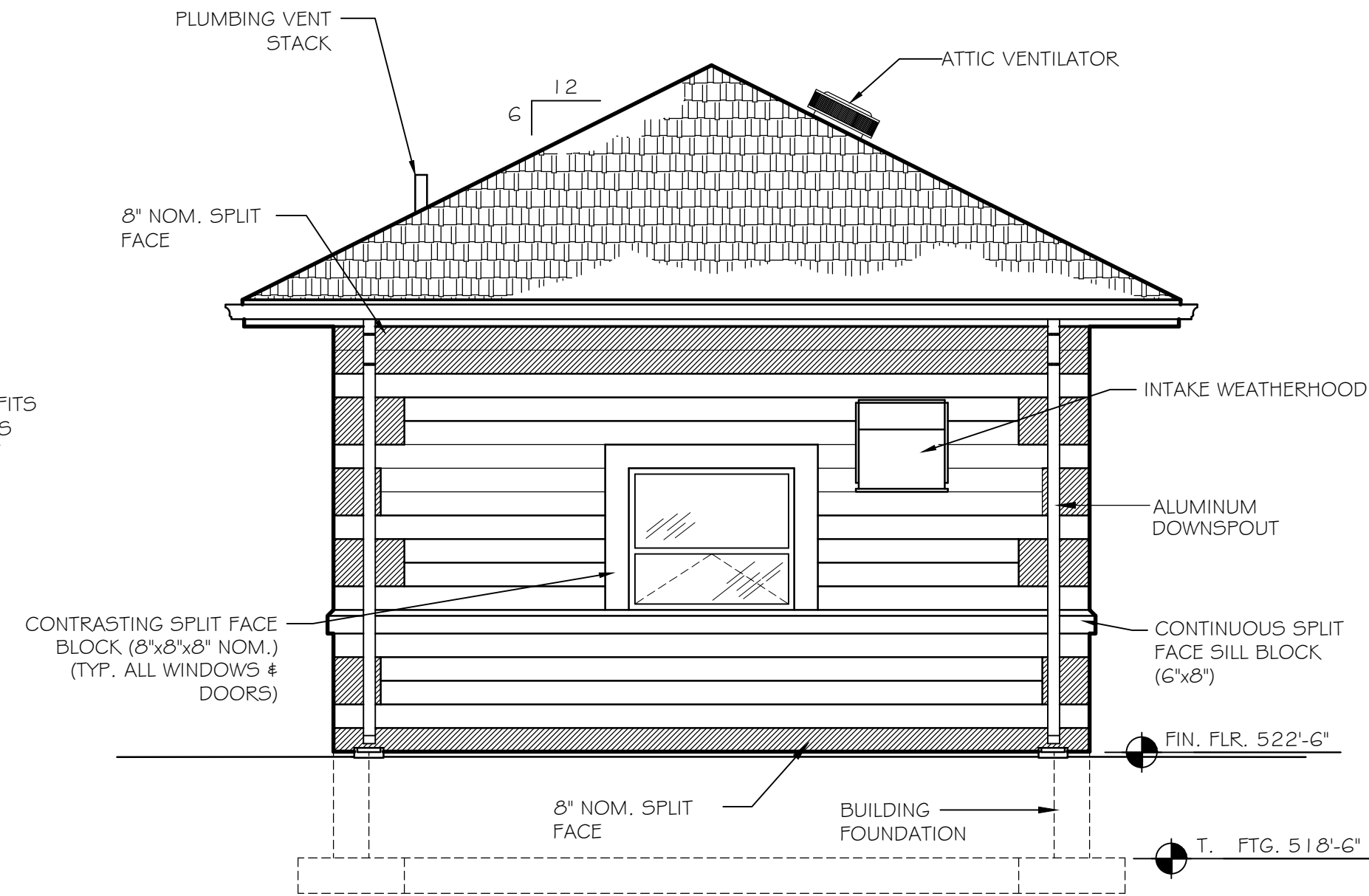
BIDDING
PLANS

CURRENT AS OF: 9/8/25	
SCALE: AS-NOTED	SHEET 3
FILE NO.: 5989.00	OF 16

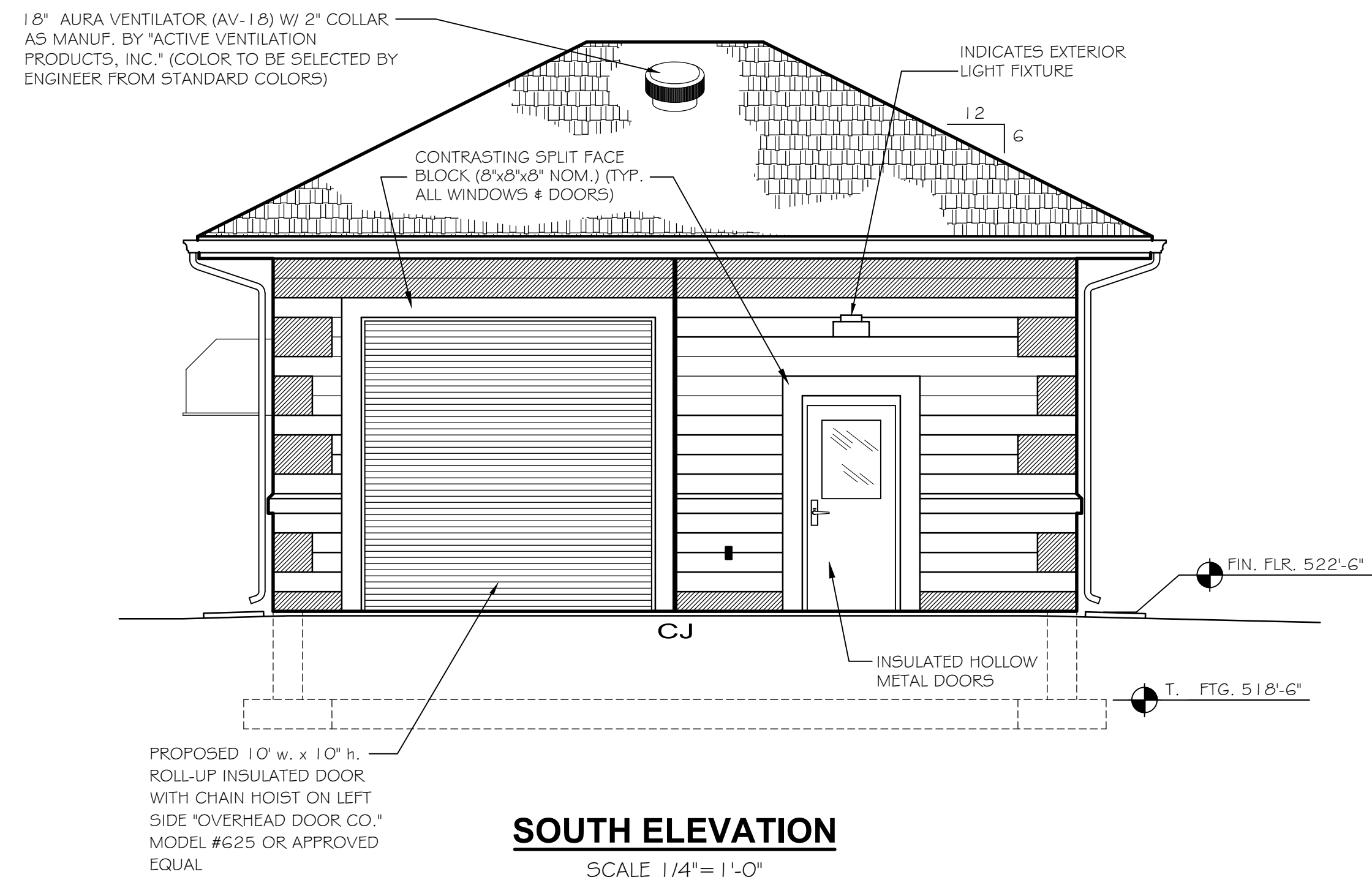
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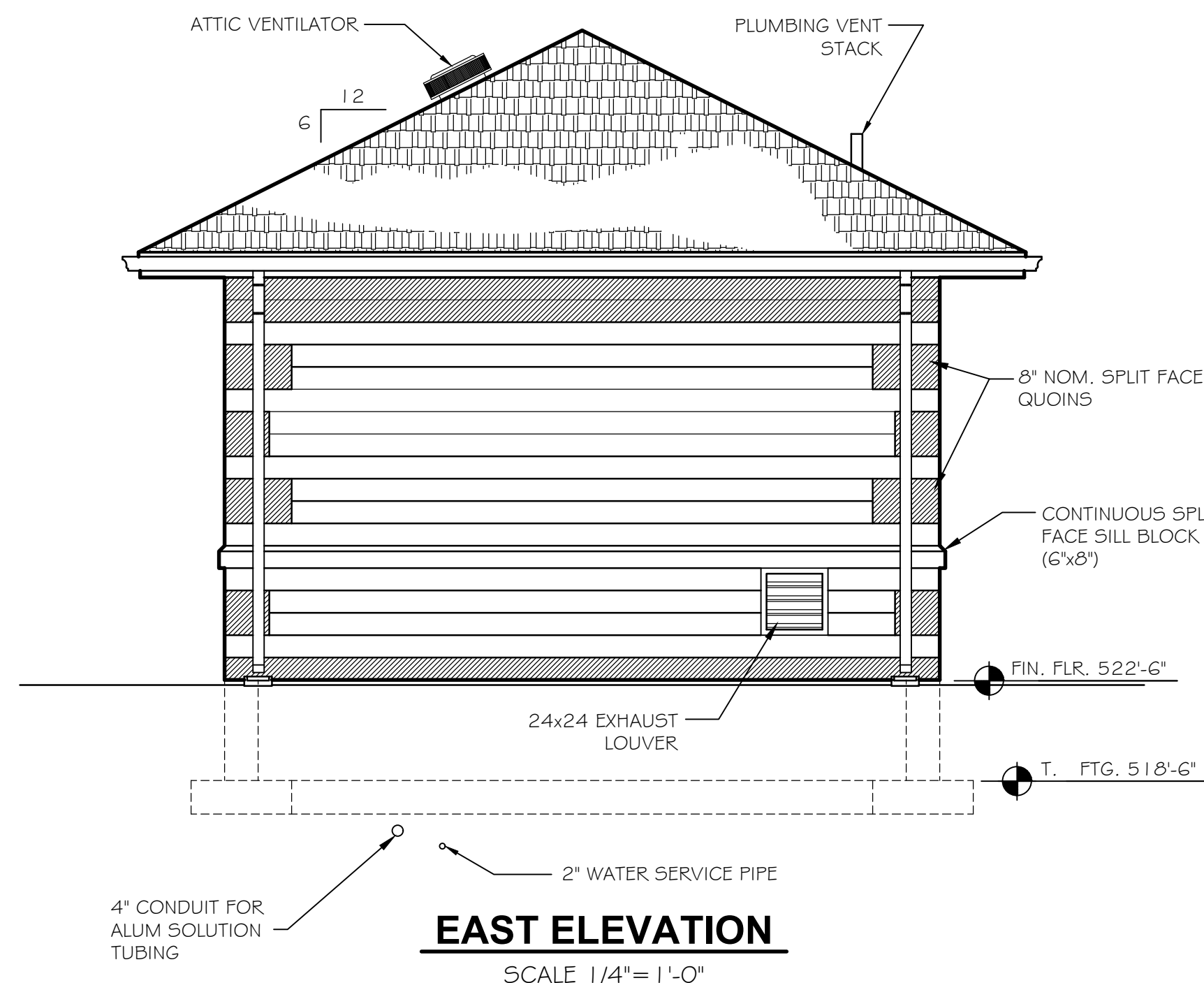
NORTH ELEVATION
SCALE 1/4"=1'-0"



WEST ELEVATION
SCALE 1/4"=1'-0"



SOUTH ELEVATION
SCALE 1/4"=1'-0"



EAST ELEVATION
SCALE 1/4"=1'-0"

- NOTES:**
1. THE MASONRY CONTRACTOR SHALL INSTALL STANDARD CMU BEHIND ALL EXTERIOR LIGHT FIXTURES TO ALLOW THE FIXTURE BASE TO BE INSTALLED FLUSH TO THE WALL. COLOR OF CMU SHALL MATCH ADJACENT SPLIT FACE UNITS.
 2. FOR TYPICAL BUILDING EXTERIOR WALL DETAIL (CONTINUOUS SILL AND QUOINING DETAIL) SEE SHEET No. 7 OF THESE PLANS.
 3. MATCH MORTAR COLOR WITH EACH BLOCK COLOR USED.
 4. SEE SHEET NO. 7 FOR CONCRETE FLOOR, FOUNDATION WALL AND FOOTING DETAILS.
 5. SEE SHEET NO. 7 FOR TYPICAL CONTINUOUS SILL, QUOINING AND CMU WALL CONTROL JOINT DETAILS.

DRAWN BY: G.A.H.	REVISIONS			
CHECKED BY: DJB	LEVEL	BY	DATE	DESCRIPTION
DATE: 3/2025				



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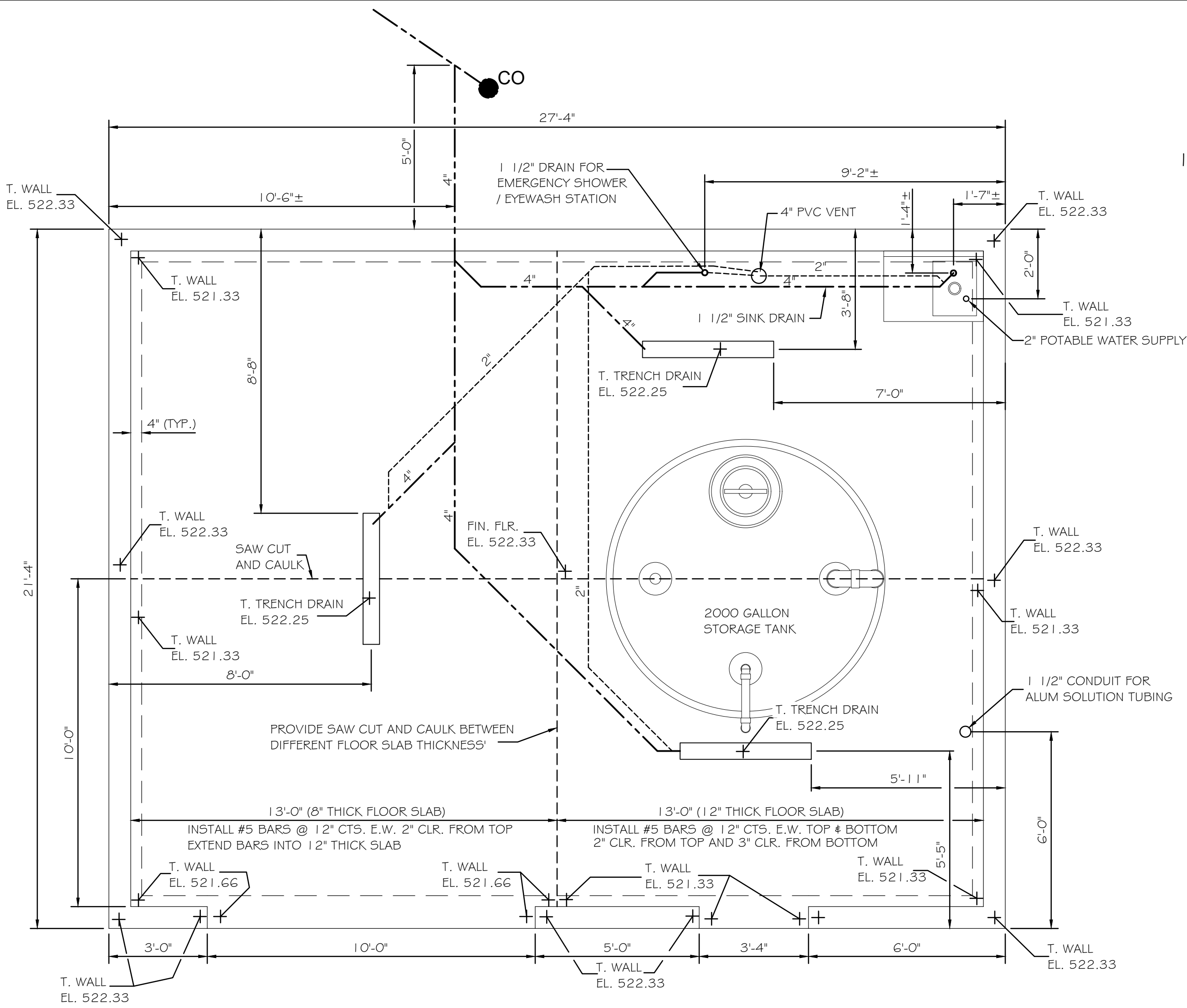
CITY OF MORRIS
PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

GARAGE BUILDING ELEVATIONS

BIDDING
PLANS

CURRENT AS OF: 9/8/25	
SCALE: As Noted	SHEET 4
FILE NO.: 5989.00	OF 16

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Drawing Name: G:\Users\G5989-00-Morris EWTP Expansion 2024\CAD\005-GARAGE PLUMBING PLANDwg
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Plotted On: Wednesday, September 10, 2025 6:42:39 AM
by: Greg Hansen



BUILDING SLAB LAYOUT

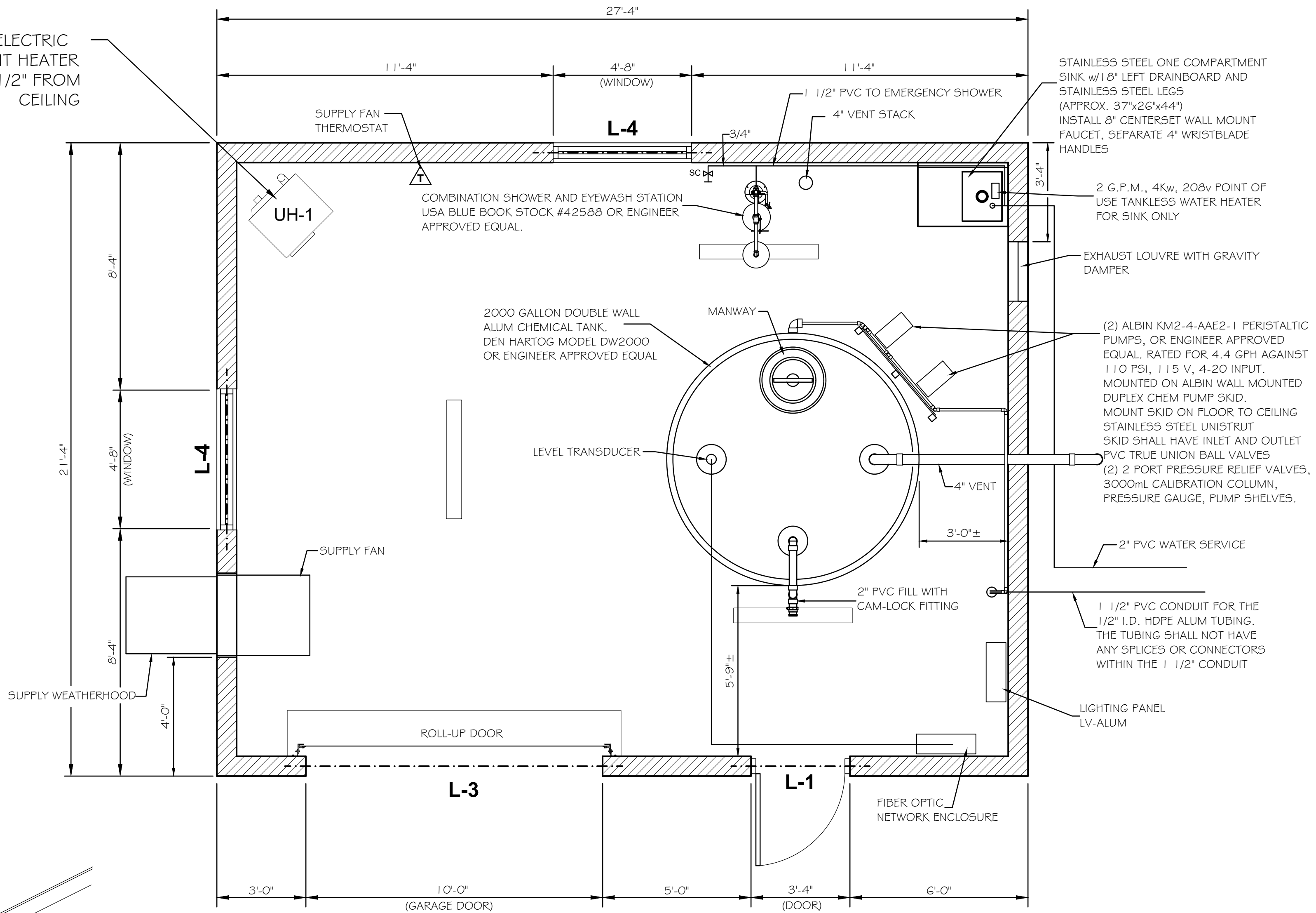
SCALE 3/8" = 1'-0"



LEGEND

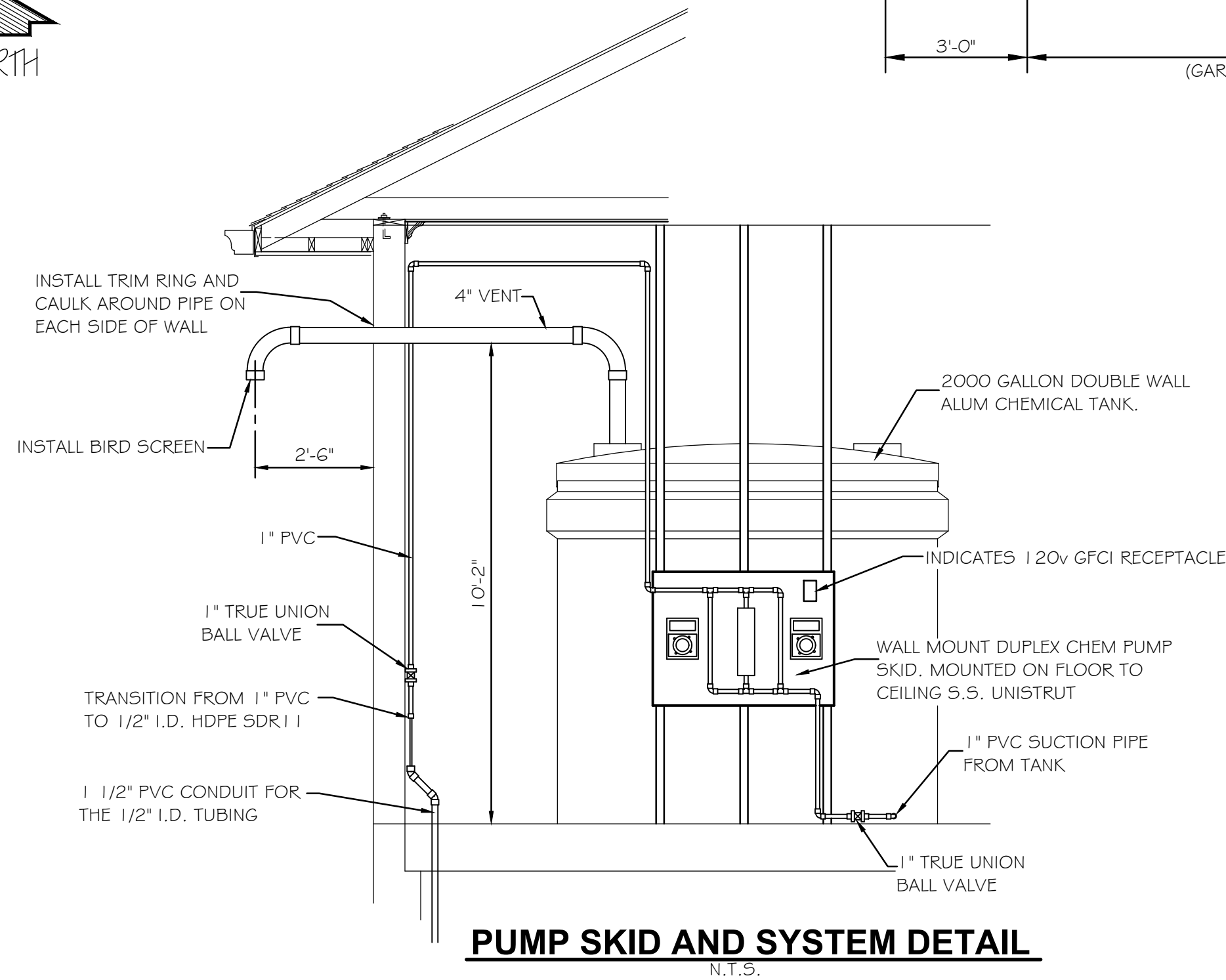
- WASTE PIPING
- VENT PIPING
- EXHAUST LOUVRE / DAMPER: EXHAUST LOUVRE WITH GRAVITY DAMPER SHALL BE GREENHECK ESD-435 WITH 4" FRAME LOUVRE AND GREENHECK EM-30 VERTICAL MOUNTED GRAVITY DAMPER OR ENGINEER APPROVED EQUAL. PROVIDE BUCK FRAME, SILL EXTENSIONS, BIRD SCREEN, INSECT SCREEN
- SUPPLY AIR FAN: SUPPLY AIR FAN SHALL BE GREENHECK MODEL AER-24 SIDEWALL DIRECT DRIVE FAN WITH MOTOR ACTUATED DAMPER OR ENGINEER APPROVED EQUAL. 1000 CFM, 208 V, 3 PH., 1/3HP. PROVIDE 90° GALVANIZED INTAKE WEATHERHOOD AND INTERIOR WALL HOUSING WITH GUARD FAN SHALL OPERATE ON THERMOSTAT.
- 6" WIDE, POLYESTER, "POLYCAST- SERIES 600" PRE-SLOPED W/ HARDNOSE CAST IRON FRAME & DUCTILE IRON CLASS D SLOTTED GRATE OR APPROVED EQUAL.
- CO: CAST IRON CLEAN-OUT BODY W/ CAST BRONZE TOP SECURED TO CASTING W/ SCREWS.
- H-B: HOSE BIB-"JOSAM"-HYDRASAN" SERIES #71050, SATIN FINISH NIKALDY FACE W/ BRONZE CASING, NON-FREEZE
- H-SC: SILLCOCK-"NIBCO" MULTI-PURPOSE SHUT OFF VALVE, CAST COPPER WITH ZINC ALLOY HANDWHEEL
- UH-1: QMARK ELECTRIC UNIT HEATER MODEL QWD10832 OR ENGINEER APPROVED EQUAL. 10kw, 208 V, 3 PH 1450 CFM REMOTE THERMOSTAT, PILOT LIGHT, DISCONNECT SWITCH, CEILING MOUNTED, 24V CONTROL VOLTAGE
- ROLL-UP DOOR: INSULATED (10w. x 10h.) ROLL-UP DOOR WITH MOTOR OPERATOR. OVERHEAD DOOR CO. MODEL #625 OR ENGINEER APPROVED EQUAL. MOTOR OPERATOR SHALL BE CONTINUOUS DUTY 120 V MOTOR, 24 V BRAKE MOUNTED ON LEFT SIDE OF DOOR. OPERATOR SHALL HAVE EMERGENCY CHAIN OPERATOR. INSTALL INTERIOR PUSH BUTTON STATION WITH STANDARD 3 BUTTON (OPEN-STOP-CLOSE), 24V CIRCUIT. SURFACE MOUNTED ON LEFT SIDE OF DOOR. PROVIDE MANUFACTURERS STANDARD REVERSING SAFETY DEVICES.

ELECTRIC
UNIT HEATER
19 1/2" FROM
CEILING



BUILDING LAYOUT PLAN

SCALE 3/8" = 1'-0"



PUMP SKID AND SYSTEM DETAIL

N.T.S.

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	LEVEL	BY	DATE	DESCRIPTION
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CHECKED BY: DJB				
DATE: 3/2025				



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CITY OF MORRIS
PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

PROPOSED ALUM BUILDING
PLUMBING AND LAYOUT PLAN

BIDDING
PLANS

CURRENT AS OF: 9/8/25	
SCALE: As Noted	SHEET 5
FILE NO.:5989.00	OF 16

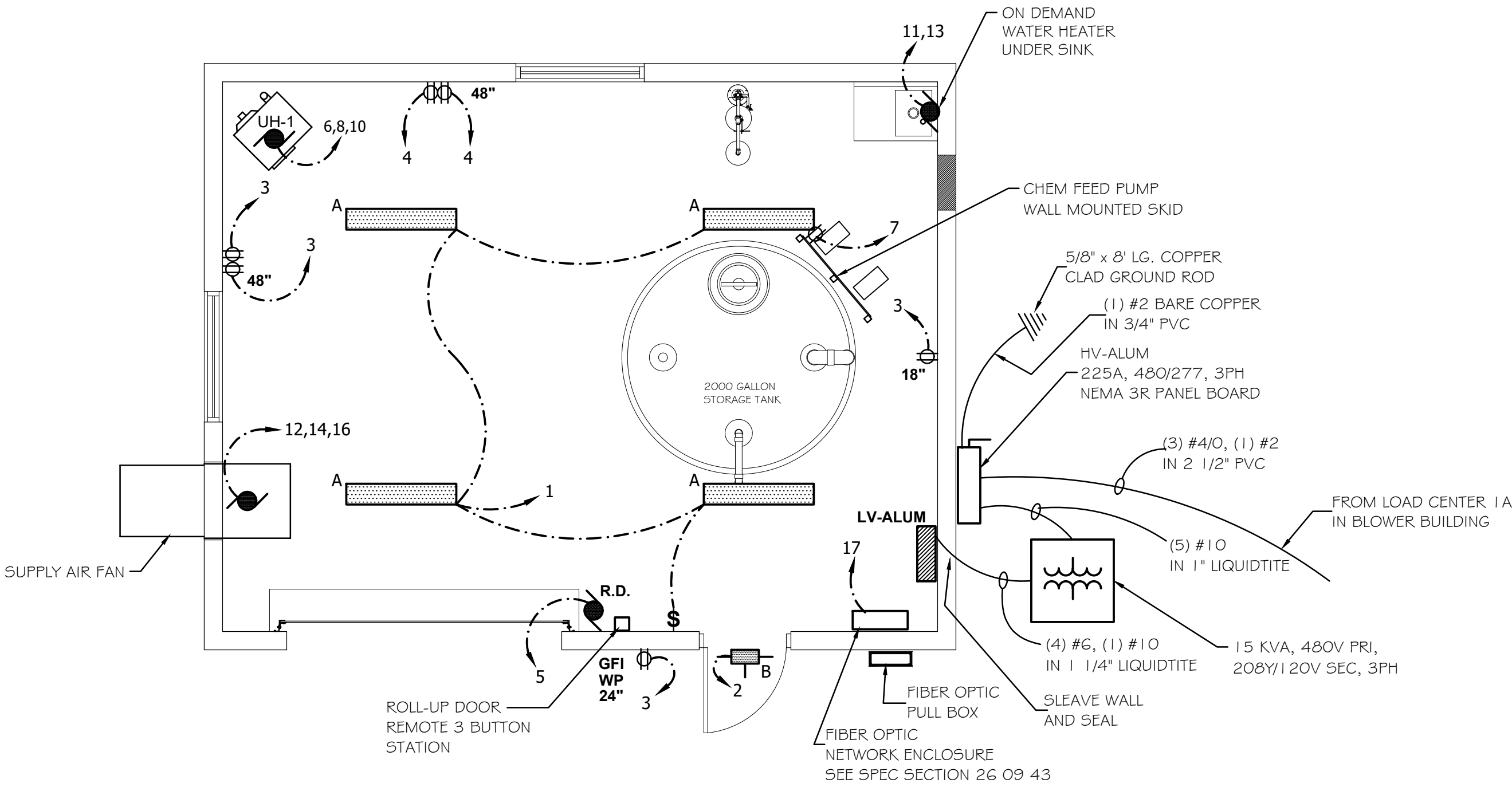
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Last Modified: Tuesday, September 09, 2025 3:50:45 PM
Plotted On: Wednesday, September 10, 2025 6:46:59 AM
by Gregg Hansen

ELECTRICAL LEGEND

	4"-LED LIGHT FIXTURE-"LITHONIA" OR APPROVED EQUAL, CLX L48 4000 LM SEF FDL MVOLT GZ10 40K 80 CRI, WALL SURFACE MOUNTED, VAPOR TIGHT
	EXTERIOR WALL MOUNTED LIGHT-"LITHONIA LIGHTING" TWA 100M TB DMB, 120 VOLT, W/ 100 W. METAL HALIDE LAMP 4 (PHOTO CONTROL), MOUNTING HEIGHT 9'-8" A.F.F.
	SINGLE POLE LIGHT SWITCH (48" A.F.F.)
	20 AMP DUPLEX RECEPTACLE (18" A.F.F.)
	20 AMP DUPLEX RECEPTACLE (24" A.F.F.)
	20 AMP DUPLEX RECEPTACLE (48" A.F.F.)
	20 AMP DUPLEX RECEPTACLE (GROUND FAULT INTERRUPTER)
	WEATHER PROOF SWITCH OR OUTLET
	INDICATES ELECTRICAL CIRCUIT
	WATER HEATER-20 AMP, 4.1 KW SINGLE ELEMENTS, 208 V, 1-PHASE.
	ROLL-UP DOOR OPERATOR, 120 V., 1-PH.
	MOTOR CONNECTION, HORSEPOWER AS NOTED

ELECTRICAL NOTES

- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND REPRESENT A COMPLETE PROJECT. MODIFICATIONS TO THE WORK SHALL BE PROVIDED BY THIS CONTRACTOR TO COMPLY WITH PROJECT REQUIREMENTS. LOCATIONS OF EQUIPMENT SHOW A GENERAL ARRANGEMENT AND INTENDED FUNCTION. BEFORE INSTALLING EQUIPMENT, CHECK DOOR SWINGS AND ALL REQUIRED CLEARANCES TO AVOID INTERFERENCE WITH OTHER TRADES.
- INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CONDITIONS FOR WARRANTIES AND GUARANTIES. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION.
- COMPLY WITH LOCAL AND APPLICABLE CODES. IN THE EVENT OF A CONFLICT, THE MOST STRINGENT SHALL GOVERN. SHOULD A CONFLICT ARISE BETWEEN CONSTRUCTION DOCUMENTS AND APPLICABLE CODES, WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ENFORCING CODE AUTHORITIES.
- ALL WIRING SHALL BE #12 THW IN 3/4" CONDUIT UNLESS OTHERWISE NOTED.
- PROJECT CONDUIT OUT INTO SPACE ABOVE SUSPENDED CEILING. PROVIDE CABLE AND PHONE JACKS AT EACH LOCATION.
- PROVIDE 4"x4" ELECTRICAL BOX AT END OF EACH CONDUIT, BEHIND COMM/POWER RACEWAY.
- THE CONTRACTOR SHALL LABEL ALL EMERGENCY POWER CONDUIT
- RECEPTACLES ON EMERGENCY POWER SHALL BE LABELED W/ PERMANENT LABELS; SELF ADHERED TO EACH RECEPTACLE AND RECEPTACLES SHALL BE ORANGE IN COLOR.



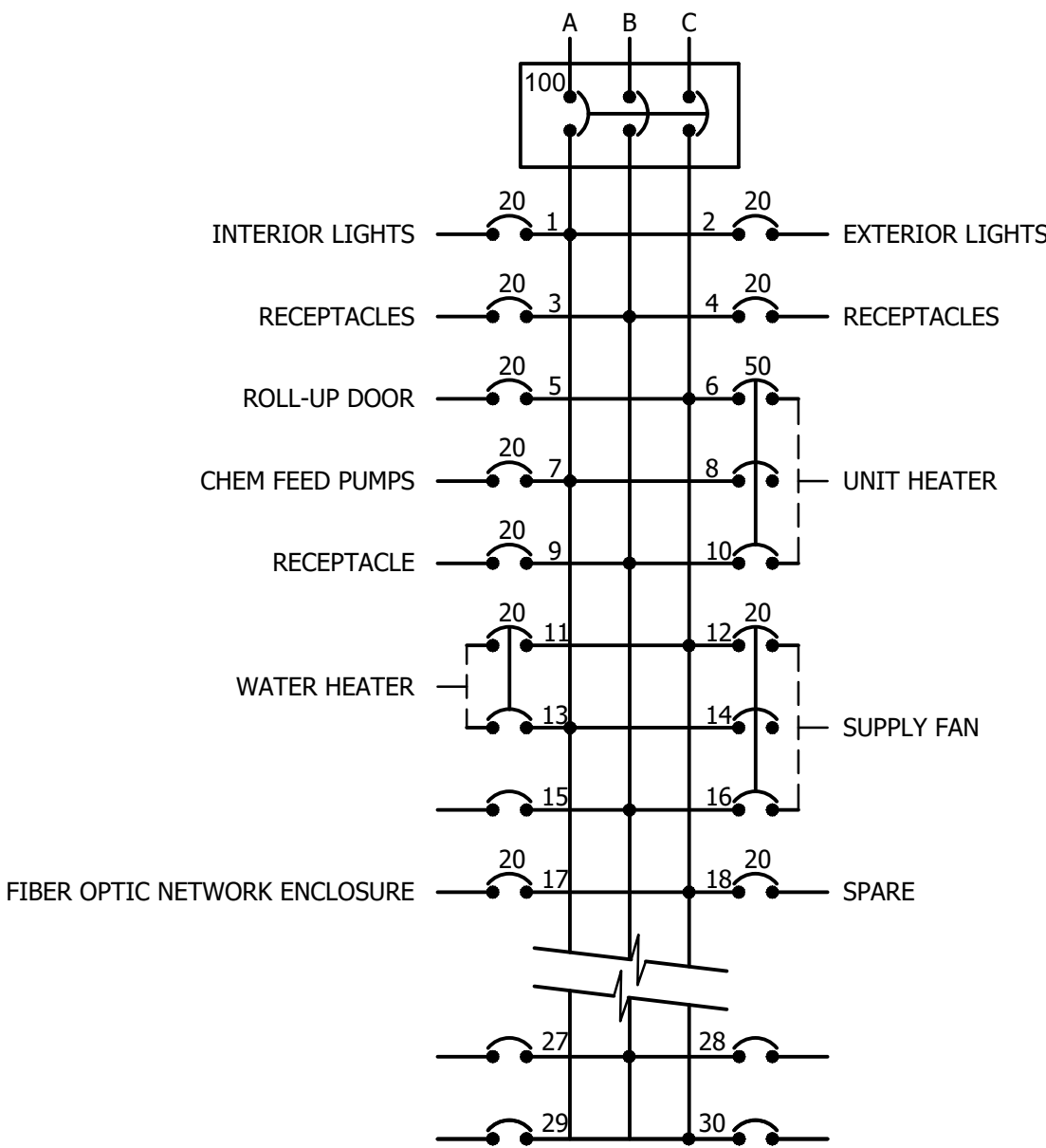
GARAGE ELECTRICAL PLAN

SCALE 1/4"=1'-0"



LIGHT PANEL (LV-ALUM) GARAGE BLDG.

100 AMP, 120/208 VOLT/ 3-PHASE, 30-SPACE



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DATE: 3/2025				



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PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

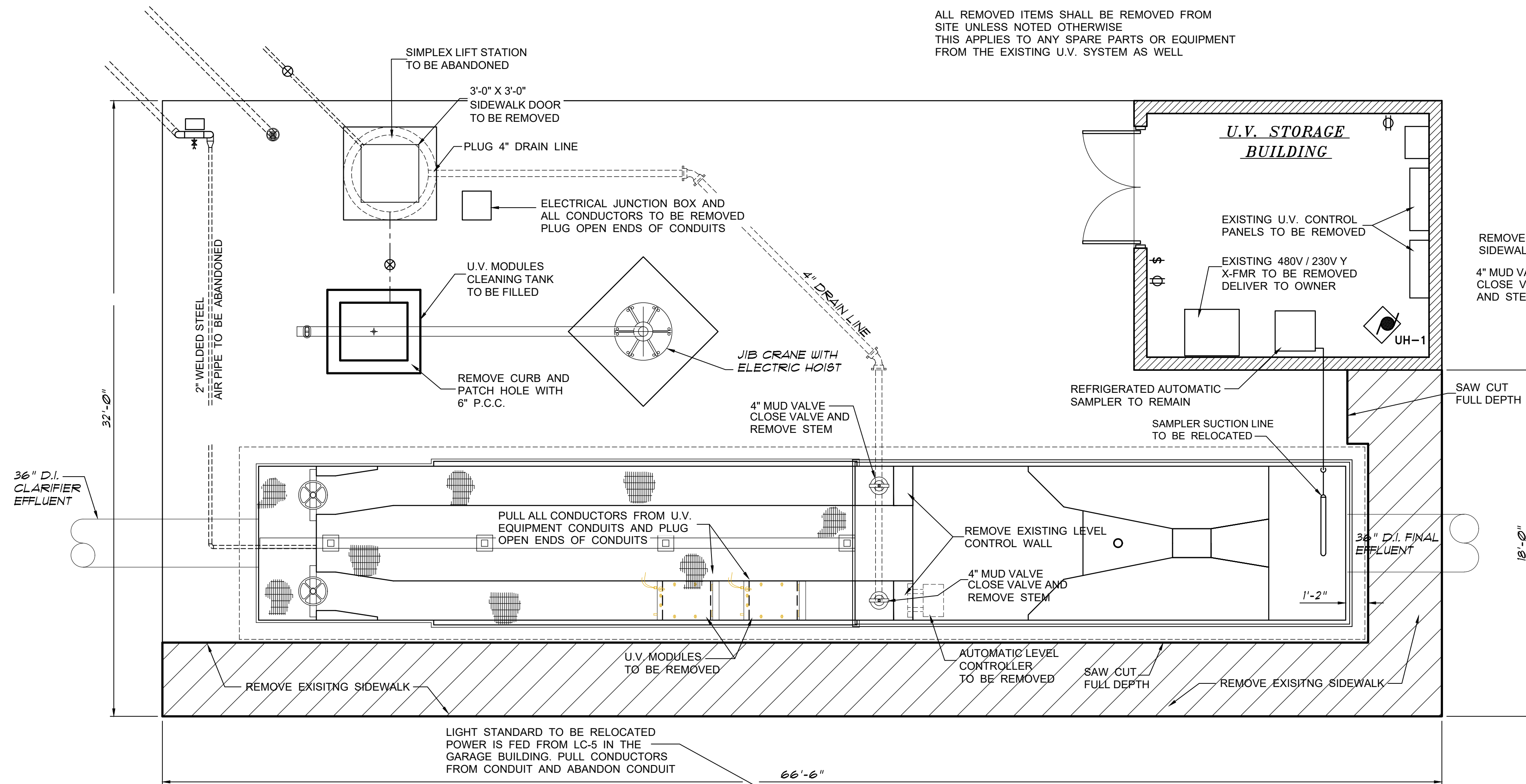
PROPOSED ALUM BUILDING
ELECTRICAL PLAN

BIDDING
PLANS

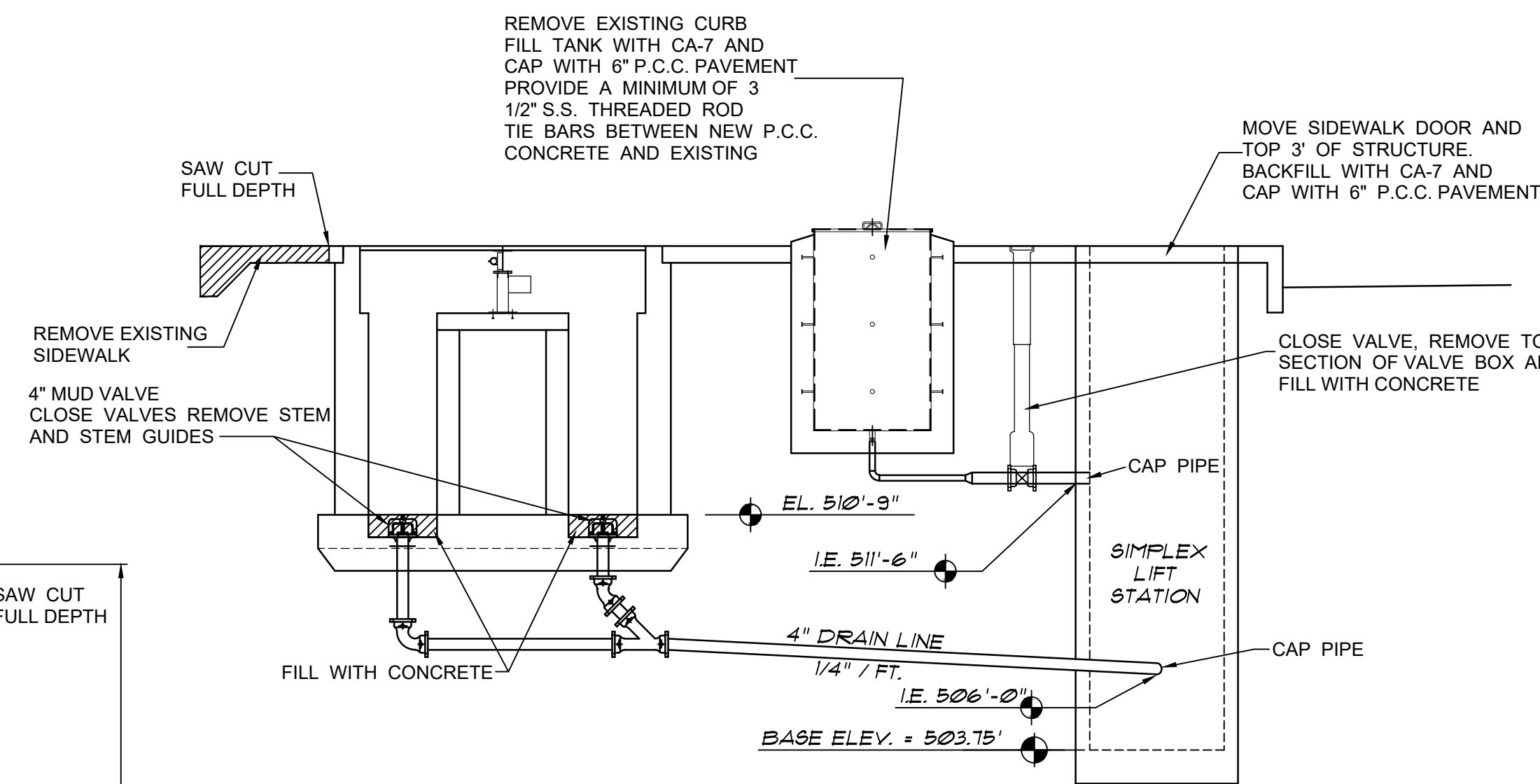
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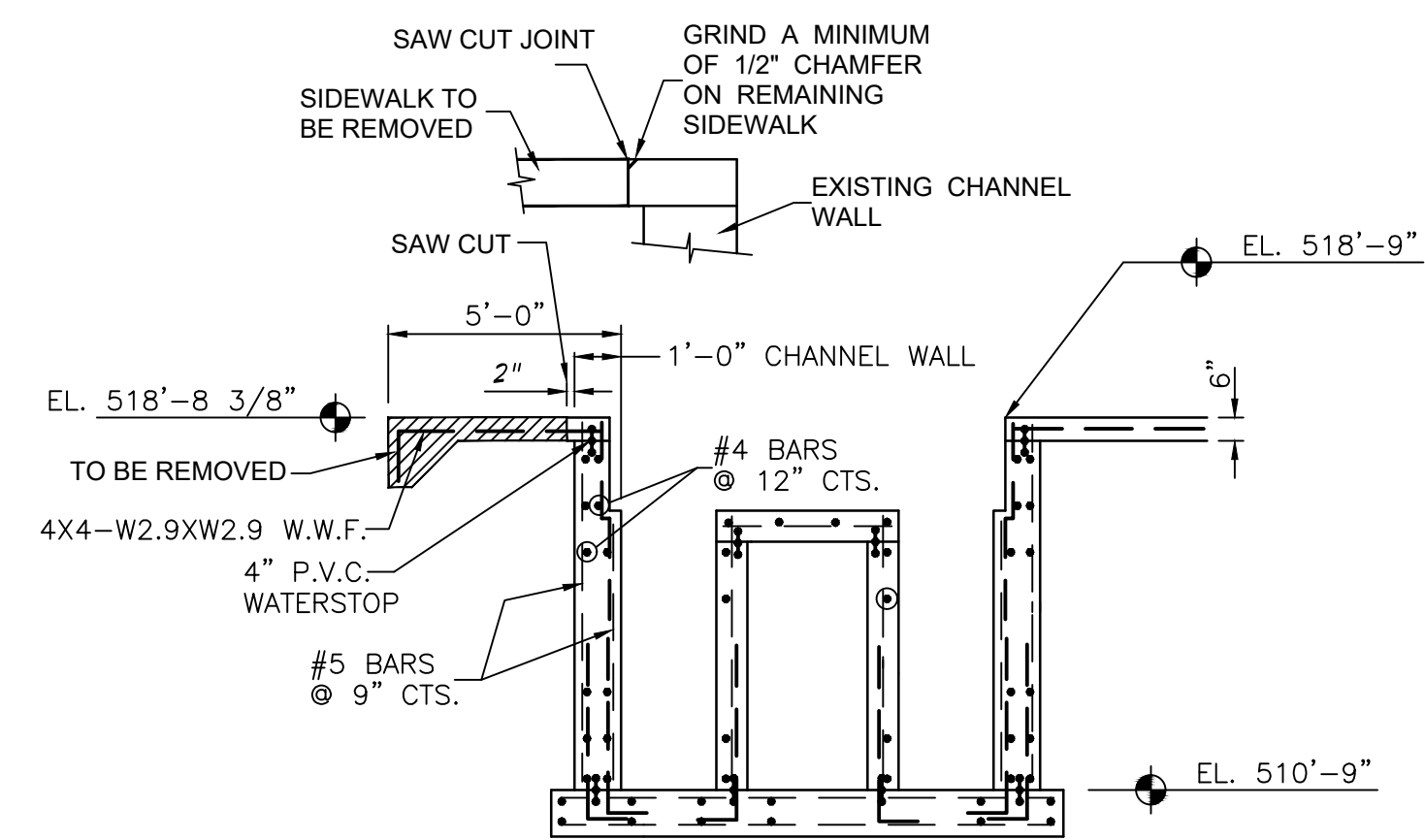
ALL REMOVED ITEMS SHALL BE REMOVED FROM SITE UNLESS NOTED OTHERWISE
THIS APPLIES TO ANY SPARE PARTS OR EQUIPMENT FROM THE EXISTING U.V. SYSTEM AS WELL



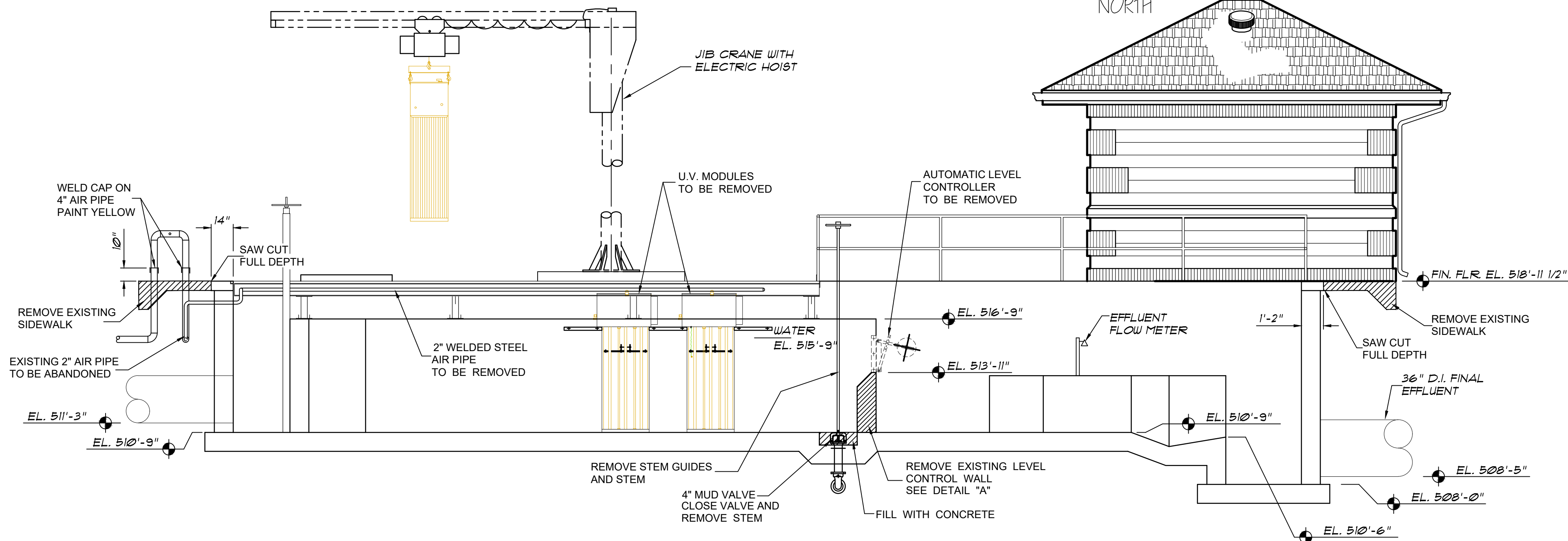
LAYOUT PLAN



SECTION



DETAIL A



SECTION

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CHECKED BY: DJB					
DATE: 5/7/25					



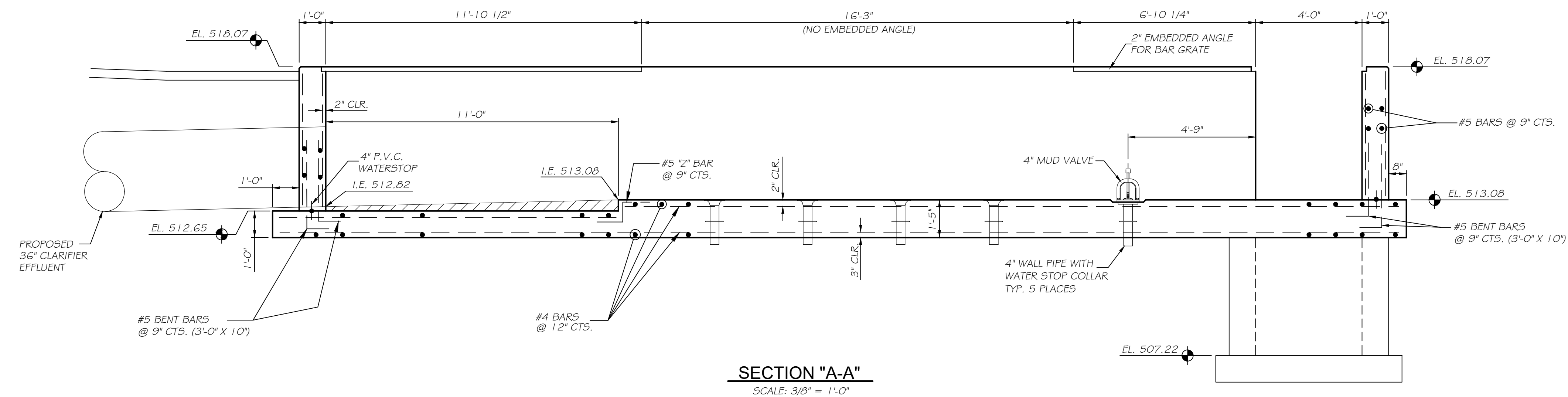
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CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

EXISTING U.V. SYSTEM
DEMOLITION PLAN

BIDDING
PLANS

CURRENT AS OF: 9/8/25	
SCALE: noted	SHEET 8
FILE NO.: 5989.00	Y- OF 16



AWN BY: JJW
CHECKED BY: DJE
DATE: 4/2025



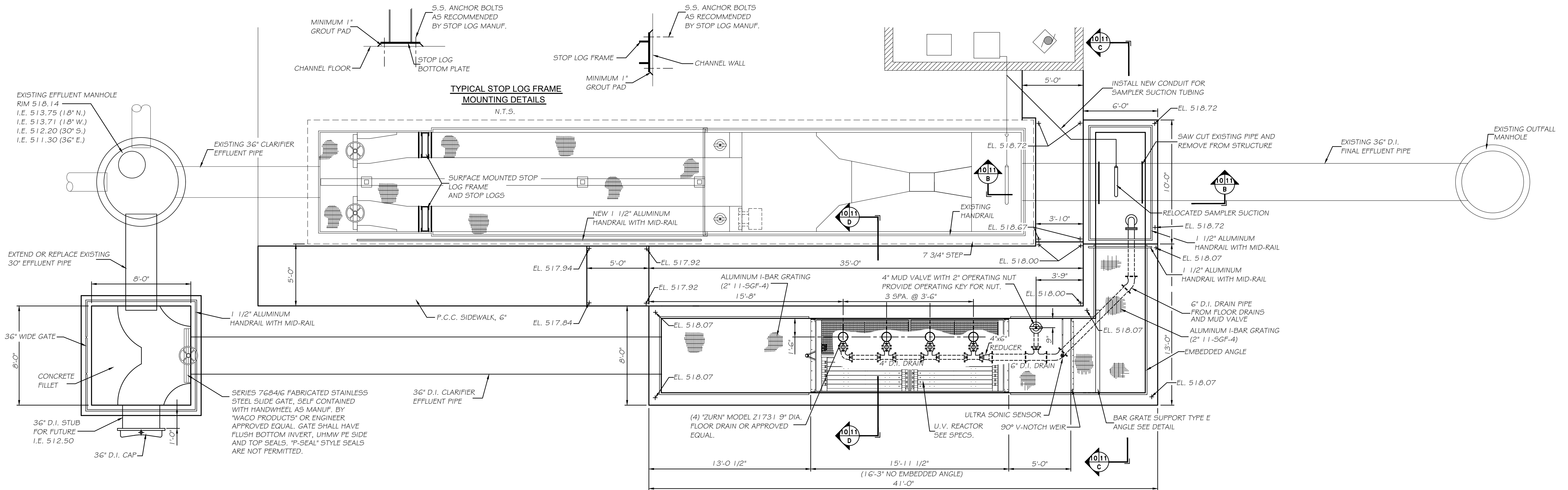
Chamlin & Associates

CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

BIDDING PLANS

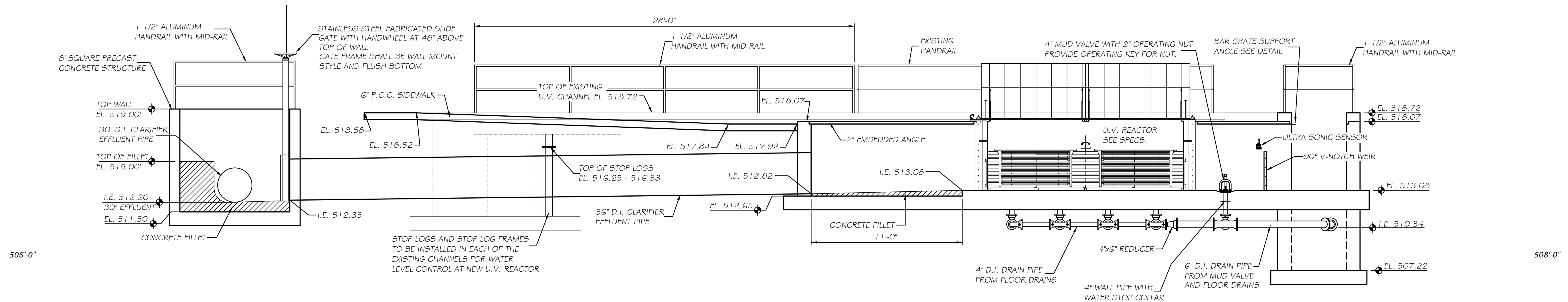
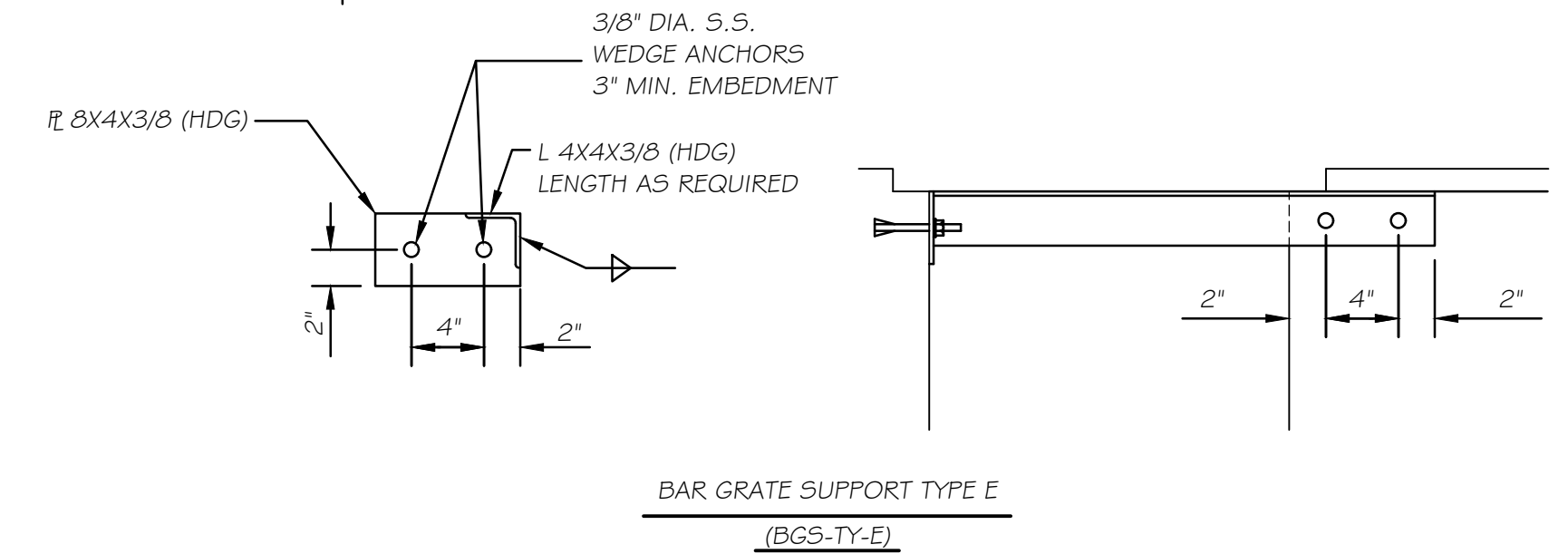
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Last Modified: Tuesday, September 09, 2025 3:51:03 PM
Plotted On: Wednesday, September 10, 2025 10:20:08 AM by Gregg Hansen



NOTE:
ALL PIPE PASSING THROUGH CONCRETE WALLS
SHALL BE DONE USING DUCTILE IRON WALL
PIPES WITH WATER STOP COLLARS

LAYOUT PLAN
N.T.S.



SECTION VIEW
N.T.S.

	REVISIONS				DESCRIPTION
	LEVEL	BY	DATE		
DRAWN BY: G.A.H.					
CHECKED BY: DWB					
DATE: 5/7/25					



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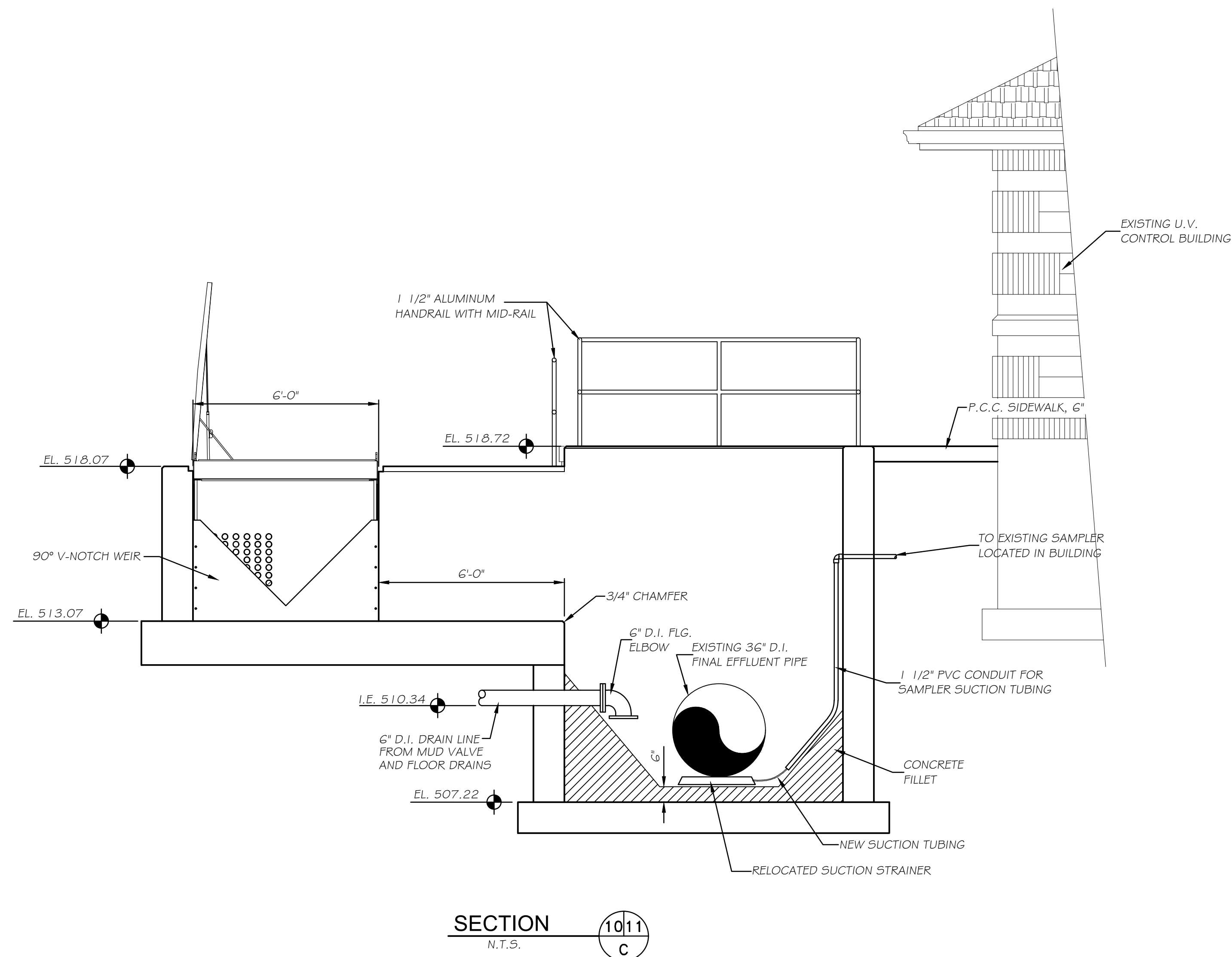
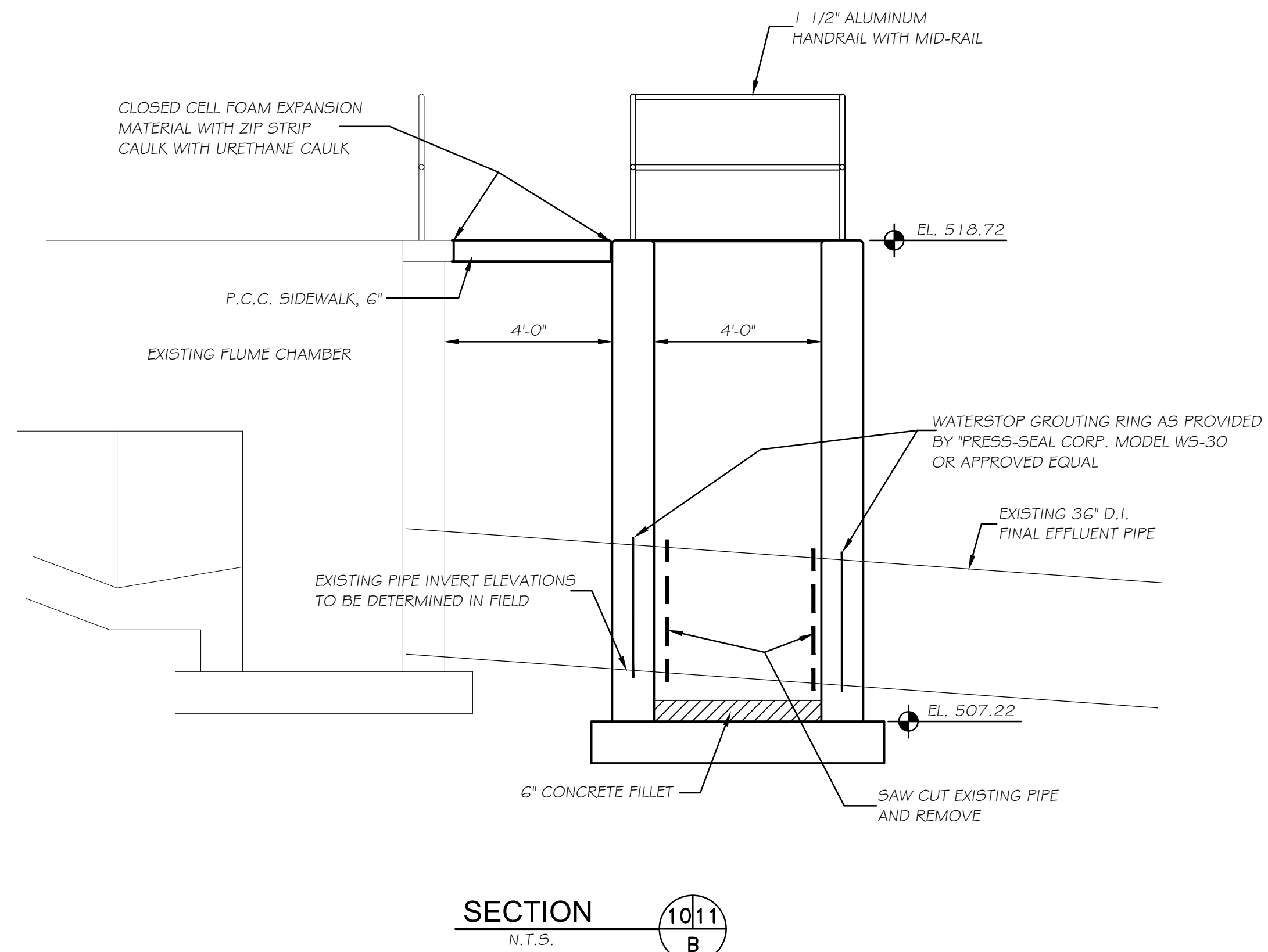
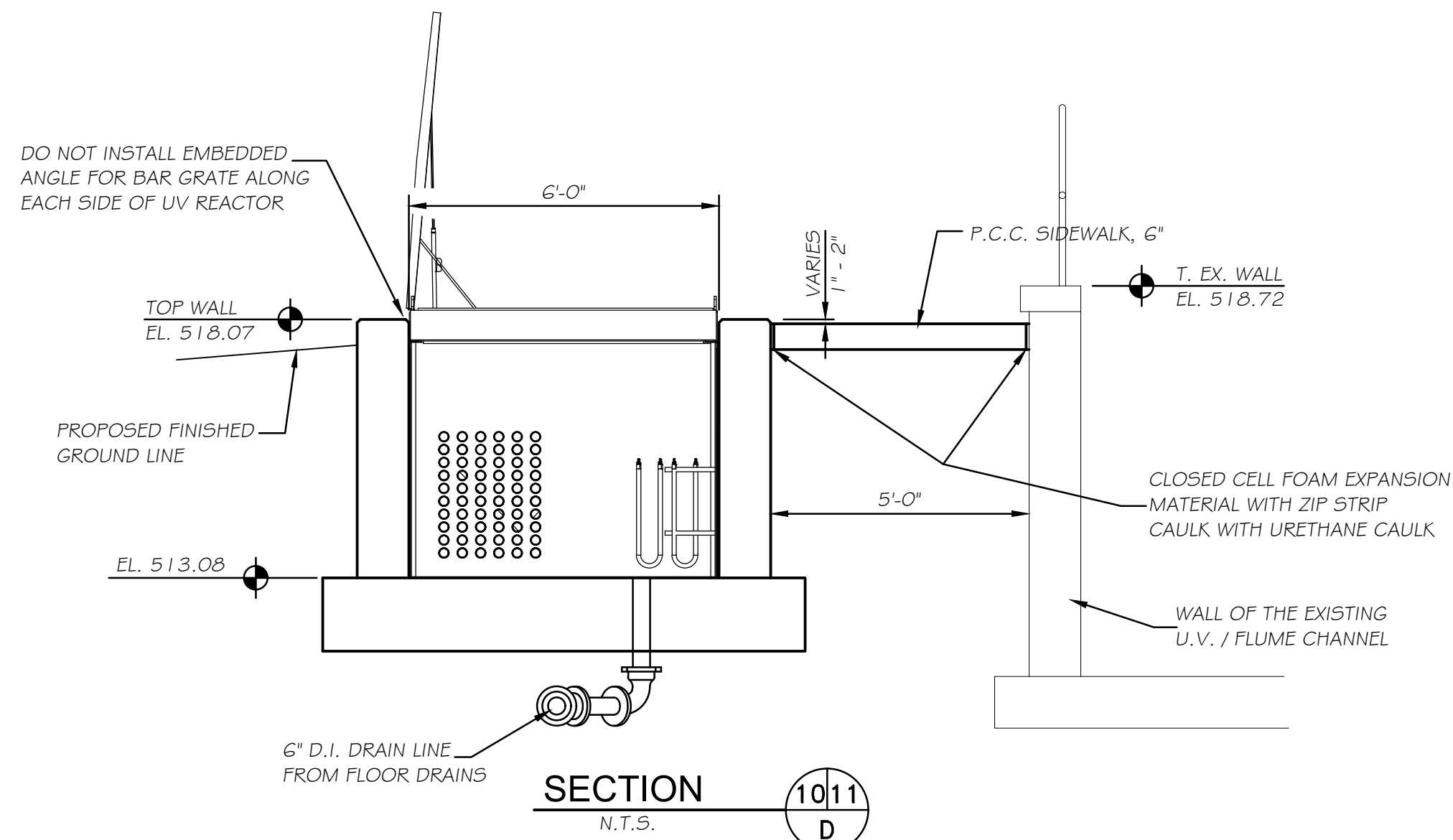
CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

PROPOSED U.V. PLAN LAYOUT

BIDDING
PLANS

CURRENT AS OF: 9/8/25	
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FILE NO.: 5989.00	OF 16

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Drawing Name: G:\Users\G\989-00-Morris EWTP Expansion 2025\CAD\011-UV DETAILS.dwg Last Modified: Tuesday, September 09, 2025 3:51:08 PM Plotted On: Wednesday, September 10, 2025 10:22:54 AM by Greg Hansen



DRAWN BY: G.A.H.	REVISIONS			
CHECKED BY: DJB	LEVEL	BY	DATE	DESCRIPTION
DATE: 5/7/25				



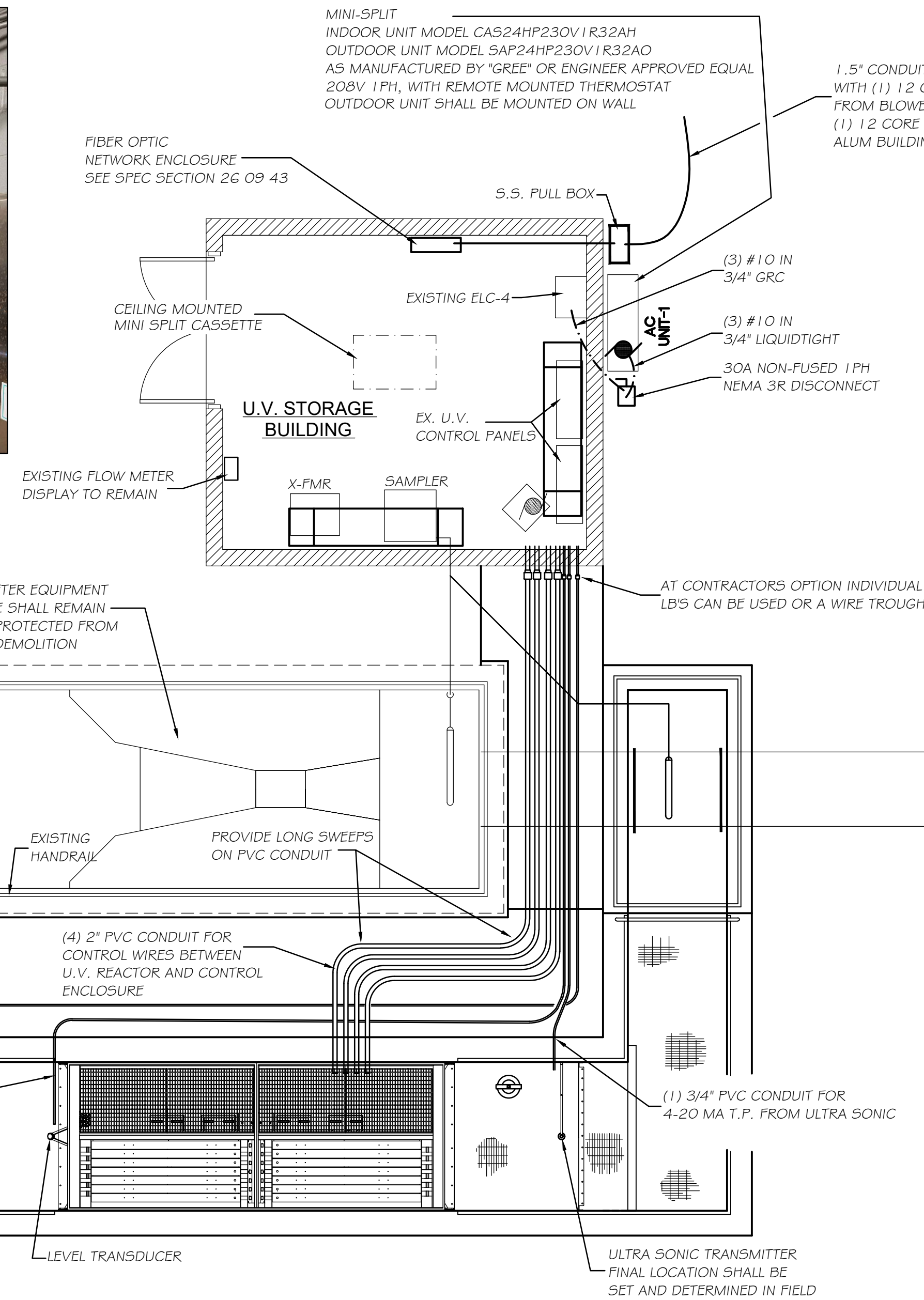
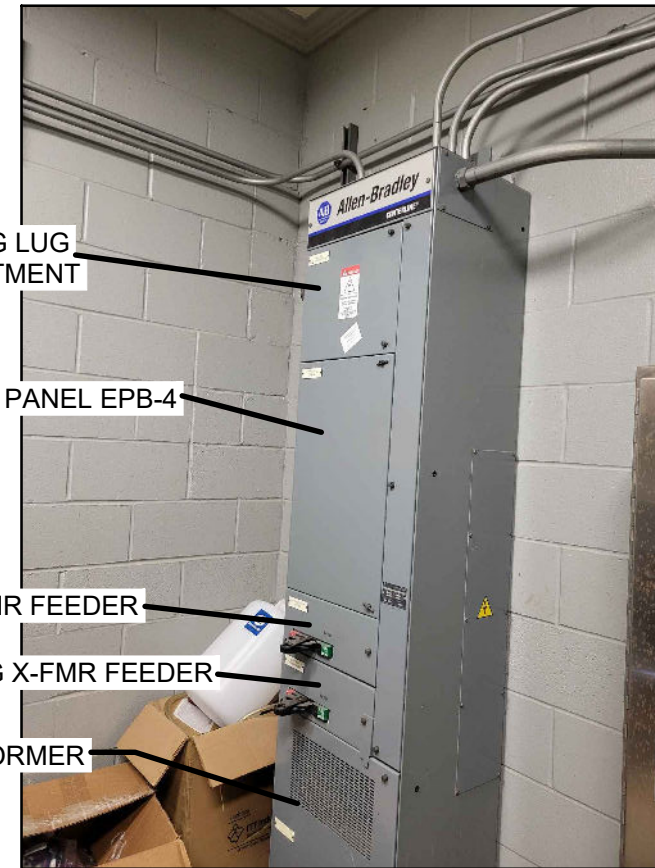
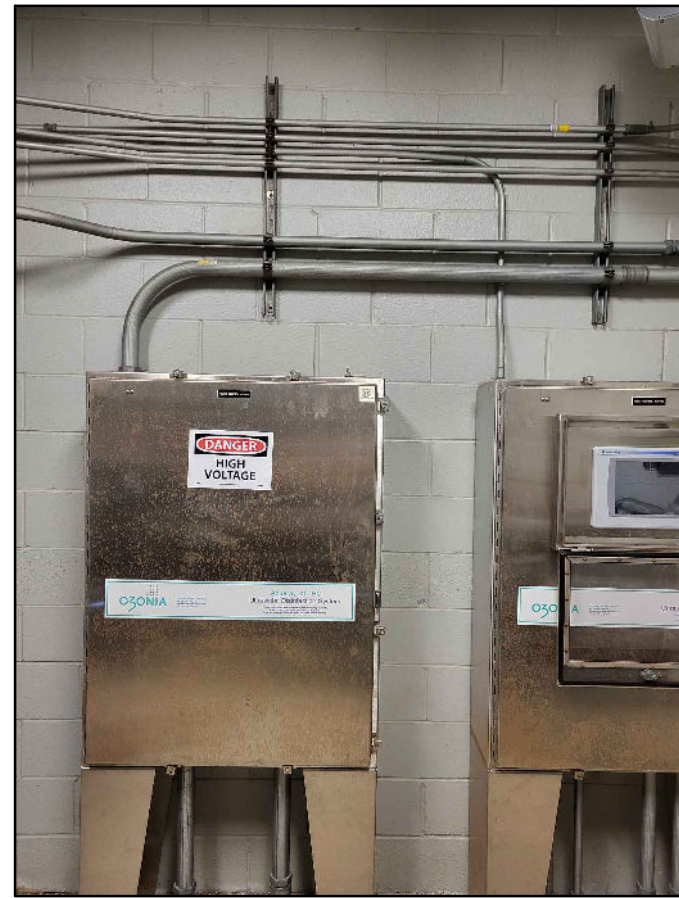
PERU
OTTAWA MORRIS
ILLINOIS

CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

PROPOSED U.V. DETAILS

BIDDING
PLANS

CURRENT AS OF: 9/8/25	
SCALE: NOTED	SHEET 11
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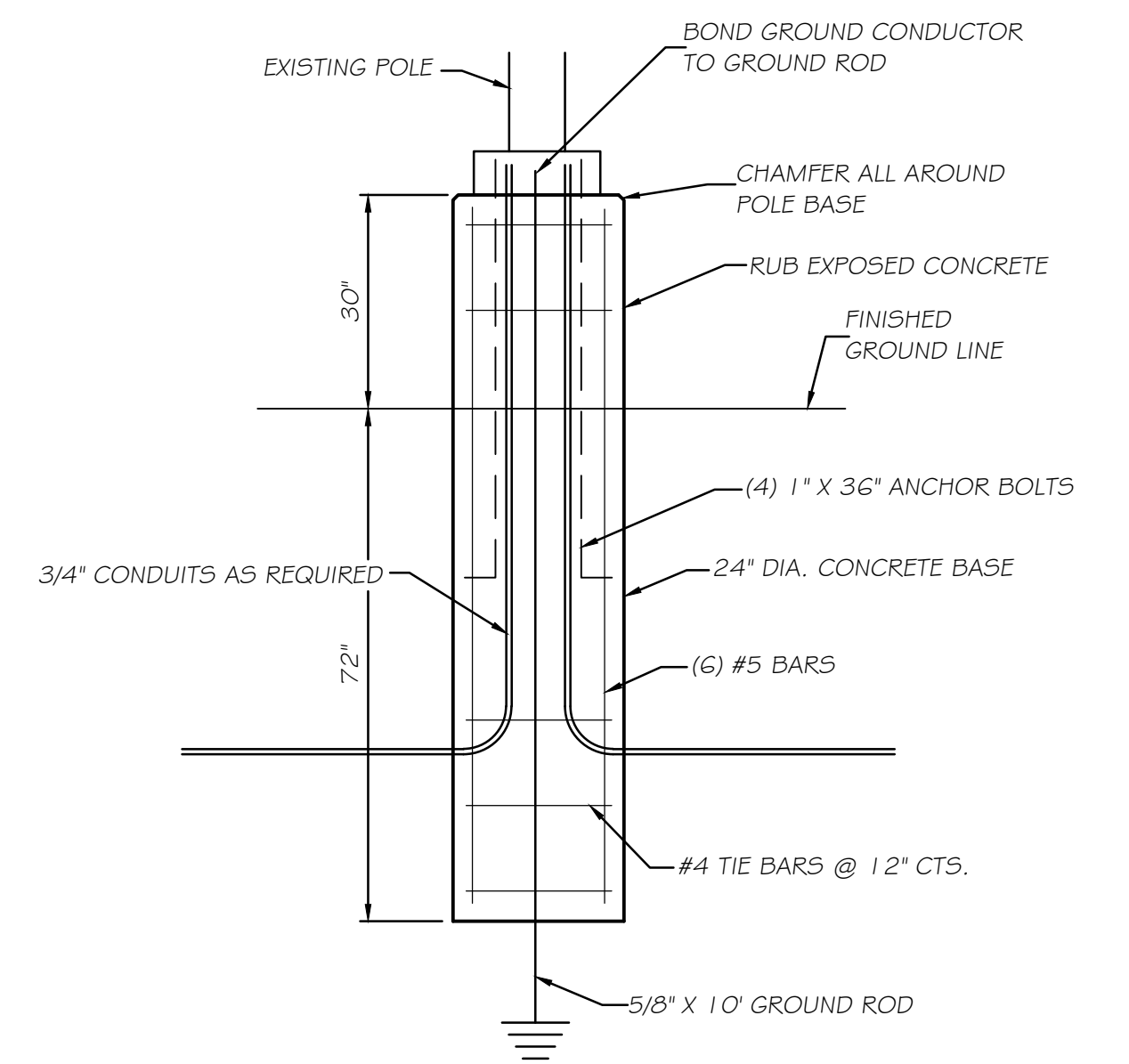
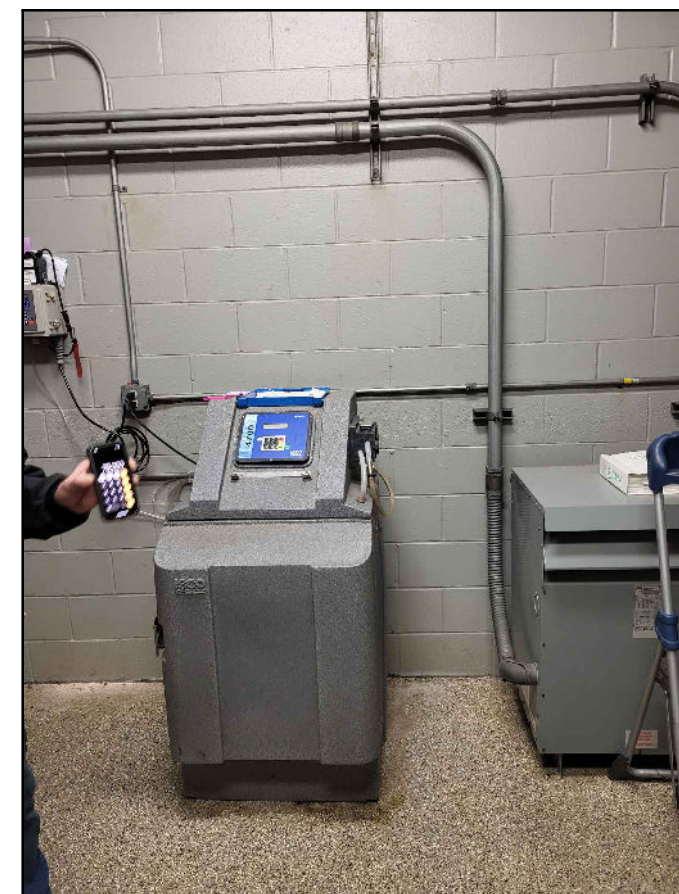
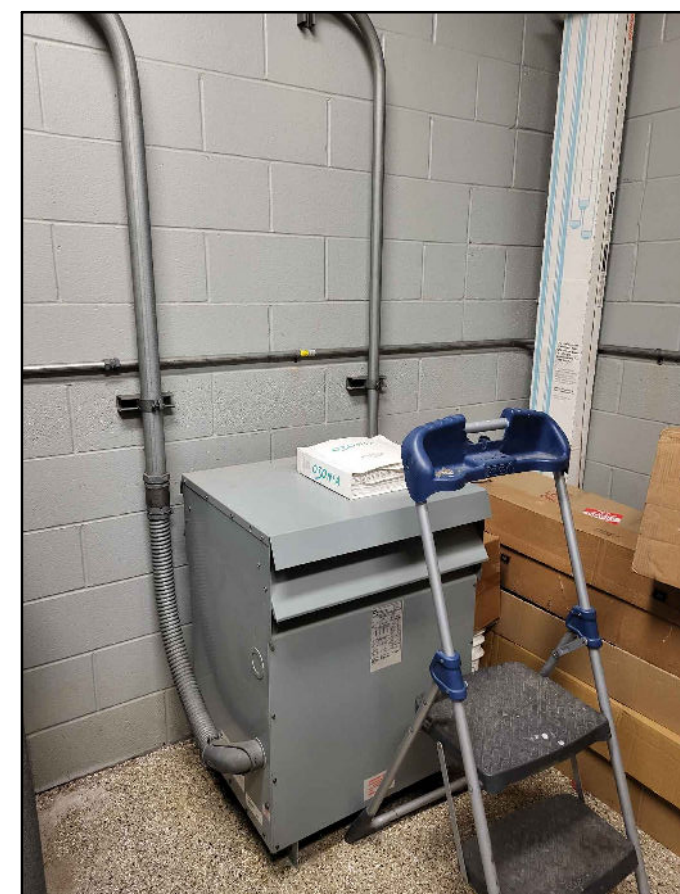
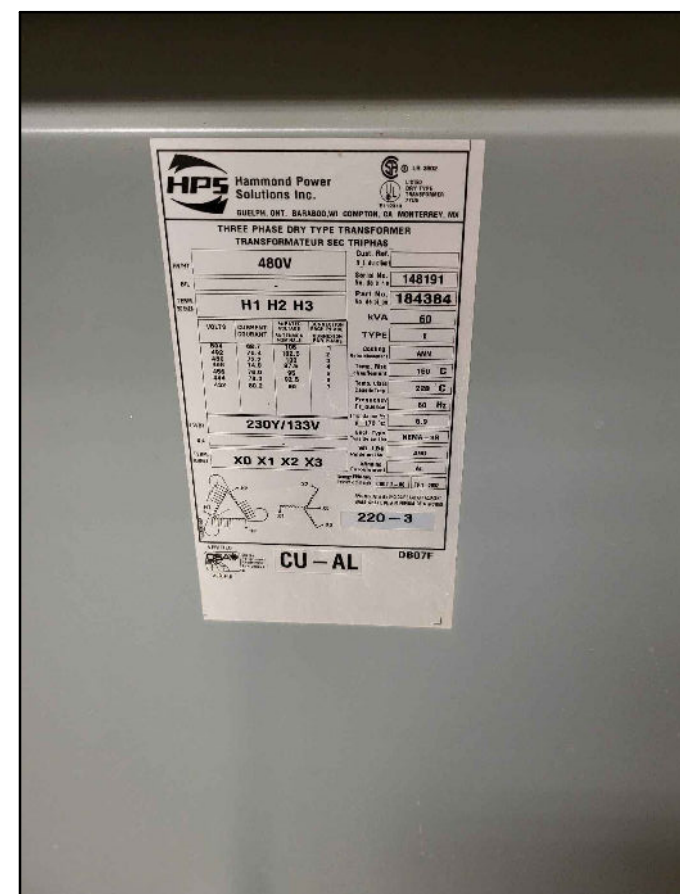
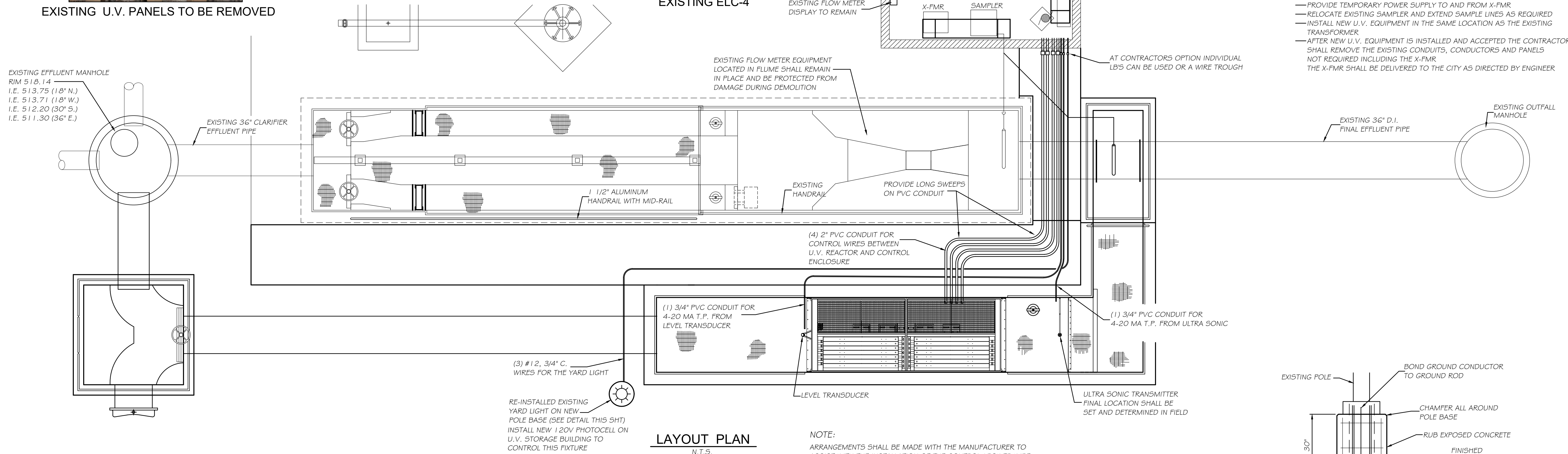
THE ELECTRICAL WORK TO BE COMPLETED WITHIN THE U.V. BUILDING
FOR THE NEW U.V. EQUIPMENT

— SHOULD THIS EQUIPMENT GET INSTALLED DURING THE DISINFECTION EXEMPTION PERIOD NOVEMBER 1st TO APRIL 30th., THE FOLLOWING IS A SUGGESTED SEQUENCE OF WORK

- REMOVE THE EXISTING U.V. EQUIPMENT PANELS
- REMOVE TRANSFORMER AND DELIVER TO OWNER AS DIRECTED
- INSTALL NEW U.V. EQUIPMENT IN THE SAME LOCATION AS EXISTING U.V. PANELS

— SHOULD THE NEW EQUIPMENT BE INSTALLED DURING NORMAL DISINFECTION PERIOD MAY 1st TO OCTOBER 31st, THE FOLLOWING IS A SUGGESTED SEQUENCE OF WORK

- RELOCATE THE EXISTING TRANSFORMER WITHIN ROOM
- PROVIDE TEMPORARY POWER SUPPLY TO AND FROM X-FMR
- RELOCATE EXISTING SAMPLER AND EXTEND SAMPLE LINES AS REQUIRED
- INSTALL NEW U.V. EQUIPMENT IN THE SAME LOCATION AS THE EXISTING TRANSFORMER
- AFTER NEW U.V. EQUIPMENT IS INSTALLED AND ACCEPTED THE CONTRACTOR SHALL REMOVE THE EXISTING CONDUITS, CONDUCTORS AND PANELS NOT REQUIRED INCLUDING THE X-FMR
- THE X-FMR SHALL BE DELIVERED TO THE CITY AS DIRECTED BY ENGINEER



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	LEVEL	BY	DATE	DESCRIPTION



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CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

PROPOSED U.V. ELECTRICAL

BIDDING PLANS

CURRENT AS OF: 9/8/25			
SCALE: NOTED		SHEET	12
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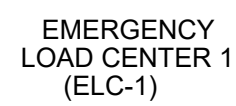
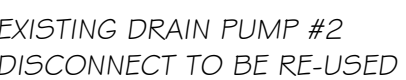


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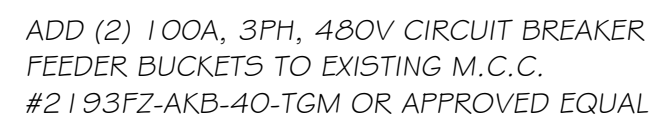
CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

BIDDING PLANS

CURRENT AS OF: 9/8/25			
SCALE: NOTED	SHEET 13		
FILE NO.: 5989.00 Y-	OF 16		



INCOMING LUG COMPARTMENT	SPACE
EPB-1 MLO 100A 3PH 120/208V 18 SPACES	SPACE NON-POT. PUMP
LIGHTING XFMR FEEDER	ELC-4 FEEDER SUMP PUMP
XFMR 480V P 120/208 S 15 KVA 20A C.B.	ELC-2 FEEDER



ADD (1) 225A, 3PH, 480V CIRCUIT BREAKER
FEEDER BUCKET TO EXISTING M.C.C.
#2193F-CKC-45TJX

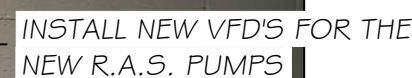
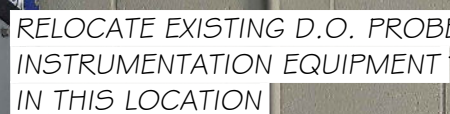
PROVIDE BLANK DOORS AS REQUIRED



RELOCATE EXISTING D.O. PROBE
INSTRUMENTATION EQUIPMENT
TO THIS LOCATION

RELOCATE EXISTING D.O. PROBE INSTRUMENTATION
TO BE RELOCATED TO OPPOSITE SIDE OF WINDOW
MOUNT 2 NEW VFD'S FOR THE NEW R.A.S. PUMPS
LOCATED IN THE LOWER LEVEL OF THE BUILDING

—NEW R.A.S. PUMPS VFD'S



EXISTING D.O. PROBE INSTRUMENTATION
AND RELATED ITEMS TO BE RELOCATED TO
THE OPPOSITE SIDE OF WINDOW



EXISTING D.O. PROBE INSTRUMENTATION
AND RELATED ITEMS TO BE RELOCATED TO
THE OPPOSITE SIDE OF WINDOW

DRAWN BY: G.A.H.

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OTTAWA MORRIS
ILLINOIS

CITY OF MORRIS
EAST W.W.T.P. EXPANSION
2025

NEW SLUDGE PUMPS ELECTRICAL PLANS

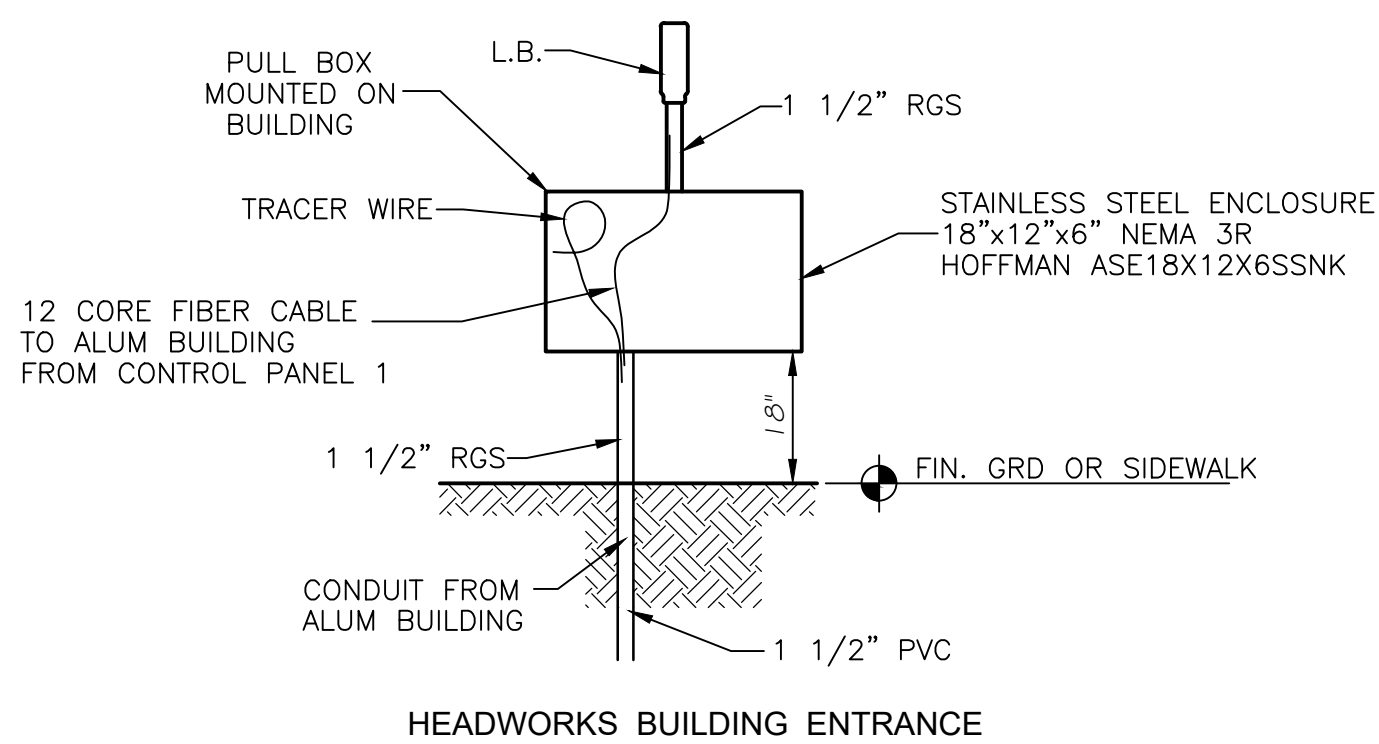
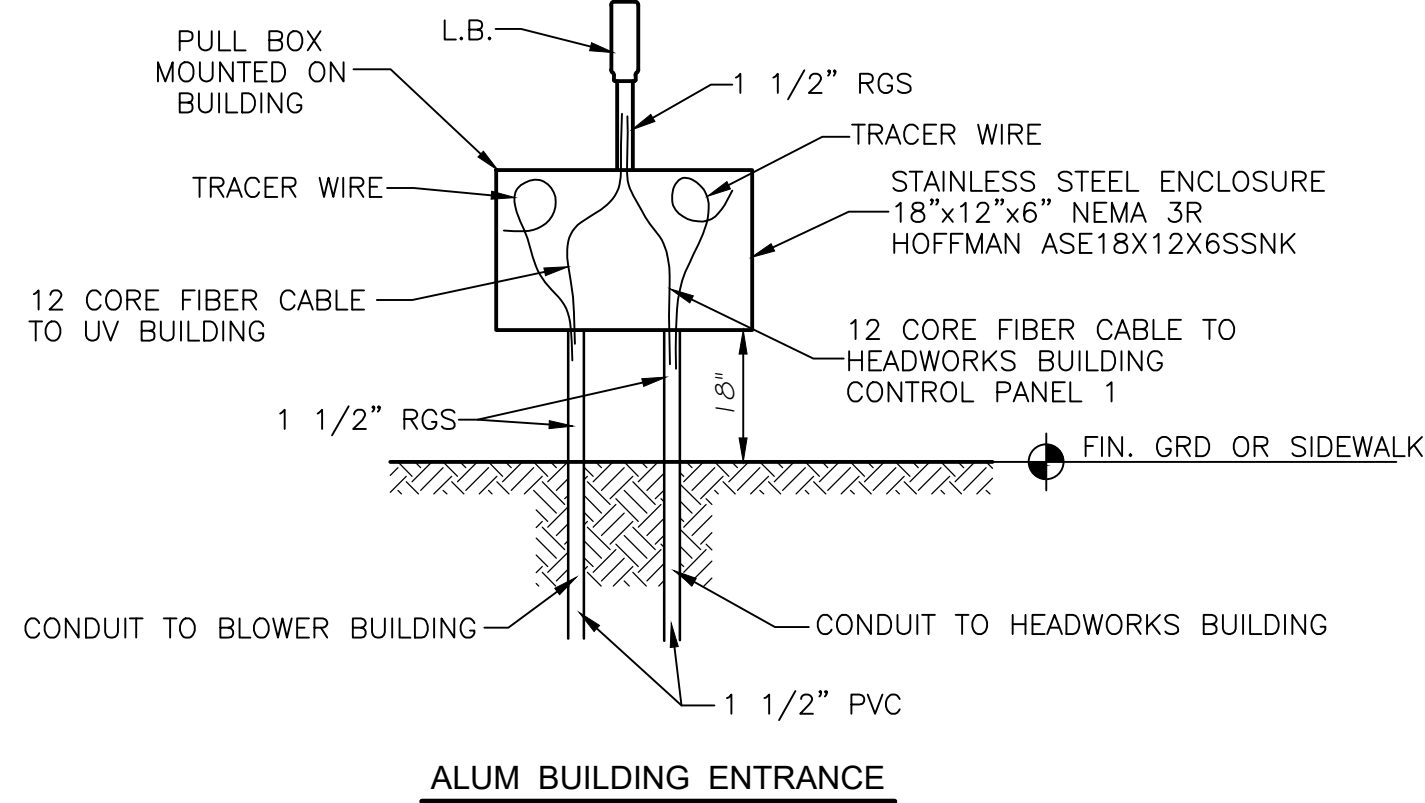
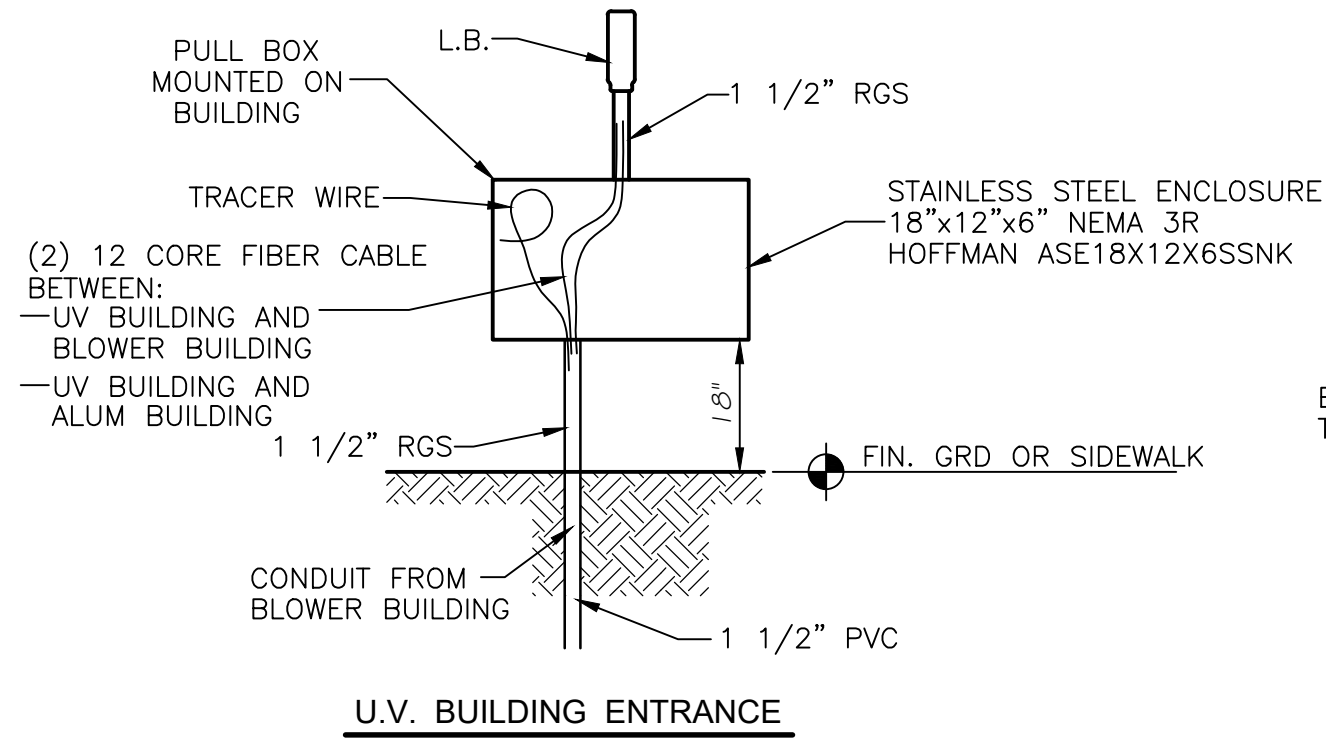
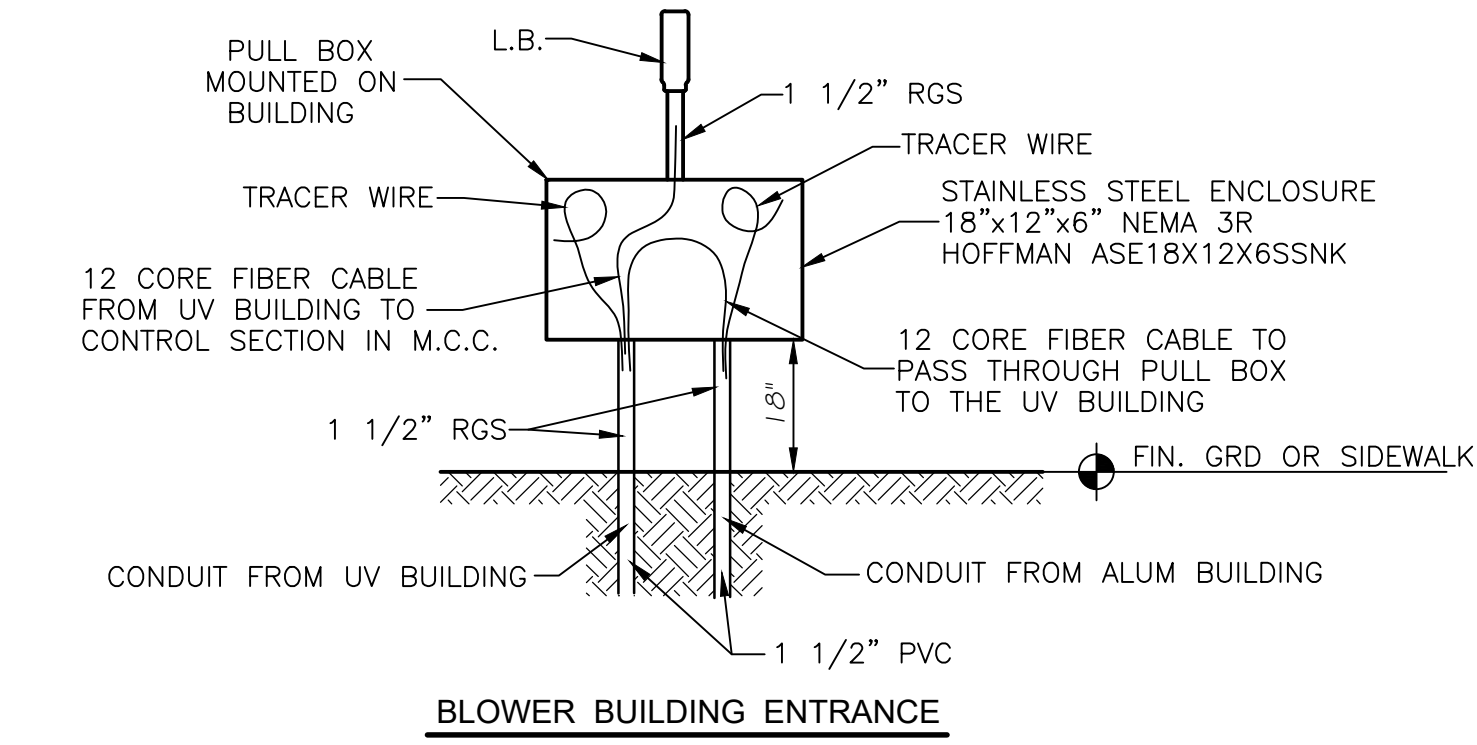
BIDDING PLANS

CURRENT AS OF: 9/8/25

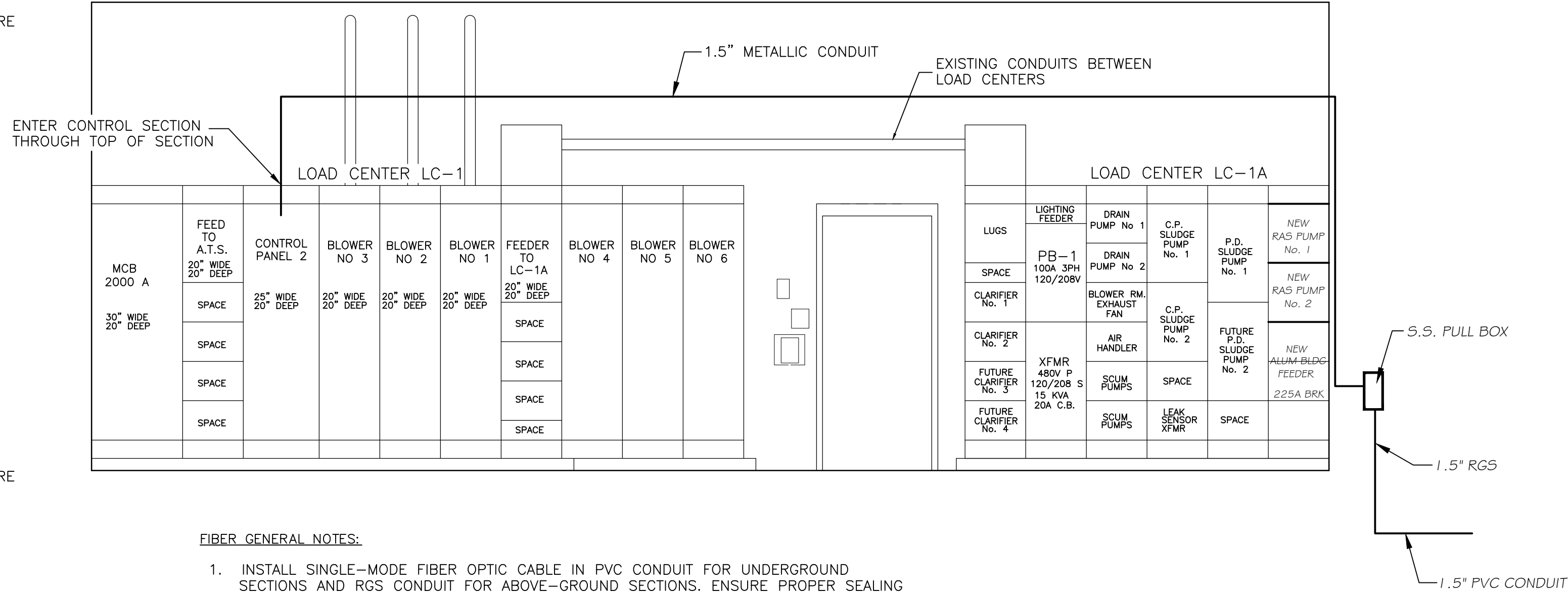
SCALE: NOTED SHEET 14

FILE NO.: 5989.00	Y-	OF	16
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Drawing Name: G:\Users\G5989-00-Morris EWTP Expansion 2024\CAD\015-FIBER DETAILS.dwg Last Modified: Tuesday, September 09, 2025 3:53:39 PM Plotted On: Wednesday, September 10, 2025 10:48:41 AM by Greg Hansen



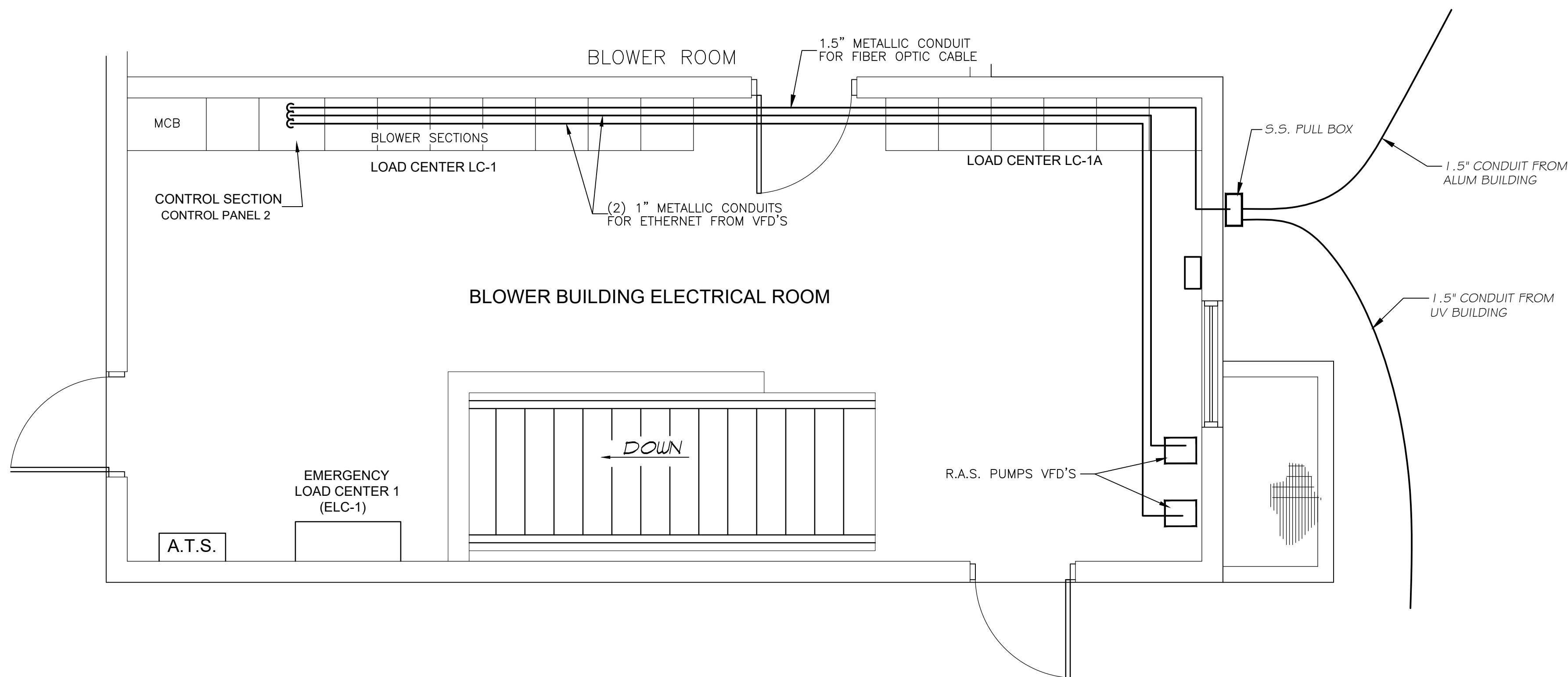
FIBER OPTIC BUILDING ENTRANCE DETAILS



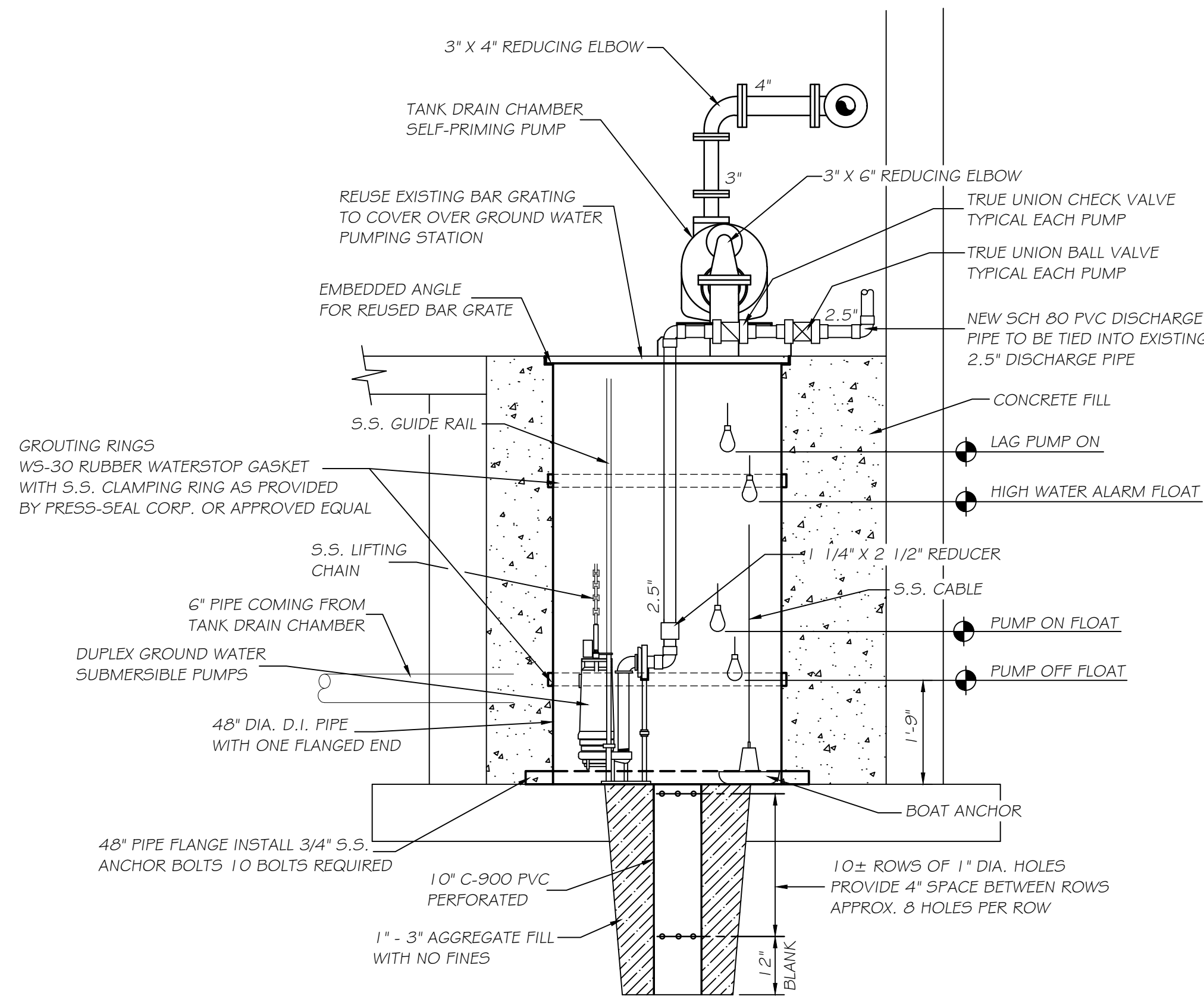
- FIBER GENERAL NOTES:**
1. INSTALL SINGLE-MODE FIBER OPTIC CABLE IN PVC CONDUIT FOR UNDERGROUND SECTIONS AND RGS CONDUIT FOR ABOVE-GROUND SECTIONS. ENSURE PROPER SEALING AT TRANSITIONS AND ENTRY POINTS TO PROTECT AGAINST MOISTURE EXPOSURE. MAINTAIN APPROPRIATE BEND RADIUS AND SECURE CONDUITS TO PREVENT MECHANICAL STRESS ON THE FIBER. DURING INSTALLATION, INCLUDE A PULL STRING OR PULL ROPE IN THE CONDUIT TO FACILITATE FUTURE CABLE PULLING. THE CONTRACTOR MUST INSTALL AN LB FITTING ON THE OUTSIDE OF THE BUILDING WITH SUFFICIENT SPACE TO ACCOMMODATE THE MINIMUM BEND RADIUS OF THE CABLE.
 2. THE CONTRACTOR SHOULD INSTALL PULL BOXES AS THEY DEEM NECESSARY TO FACILITATE EASY ACCESS FOR CABLE PULLING AND FUTURE MAINTENANCE, PENDING ENGINEER APPROVAL.
 3. INSTALL LOCATING WIRE IN CONDUIT WITH THE FIBER CABLE
 4. THE PLANT INTEGRATOR ("MICRO-COMM") SHALL PROVIDE ALL REQUIRED PATCH PANELS, SWITCHES, PLC'S AND OTHER PANEL ENCLOSURES, EXCEPT FOR THE PULL BOXES WHICH SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE SUPPLIED EQUIPMENT USING THE SUPPLIED DIRECTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIBER OPTIC CABLE, CONDUIT, AND TRACER WIRE AND BE RESPONSIBLE FOR TESTING OF THE FIBER



CONTROL PANEL 2
CONTROL SECTION IN LOAD CENTER 1



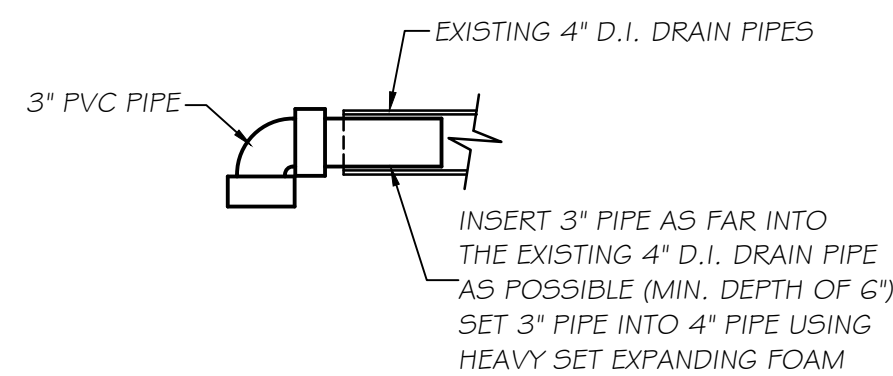
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Drawing Name: G:\Users\G1989-00-Morris EWTP Expansion 2024\CAD\16-DEWATERING PUMPS.dwg
Last Modified: Tuesday, September 09, 2025 3:51:13 PM
Plotted On: Wednesday, September 10, 2025 10:49:50 AM
by Gregg Hansen



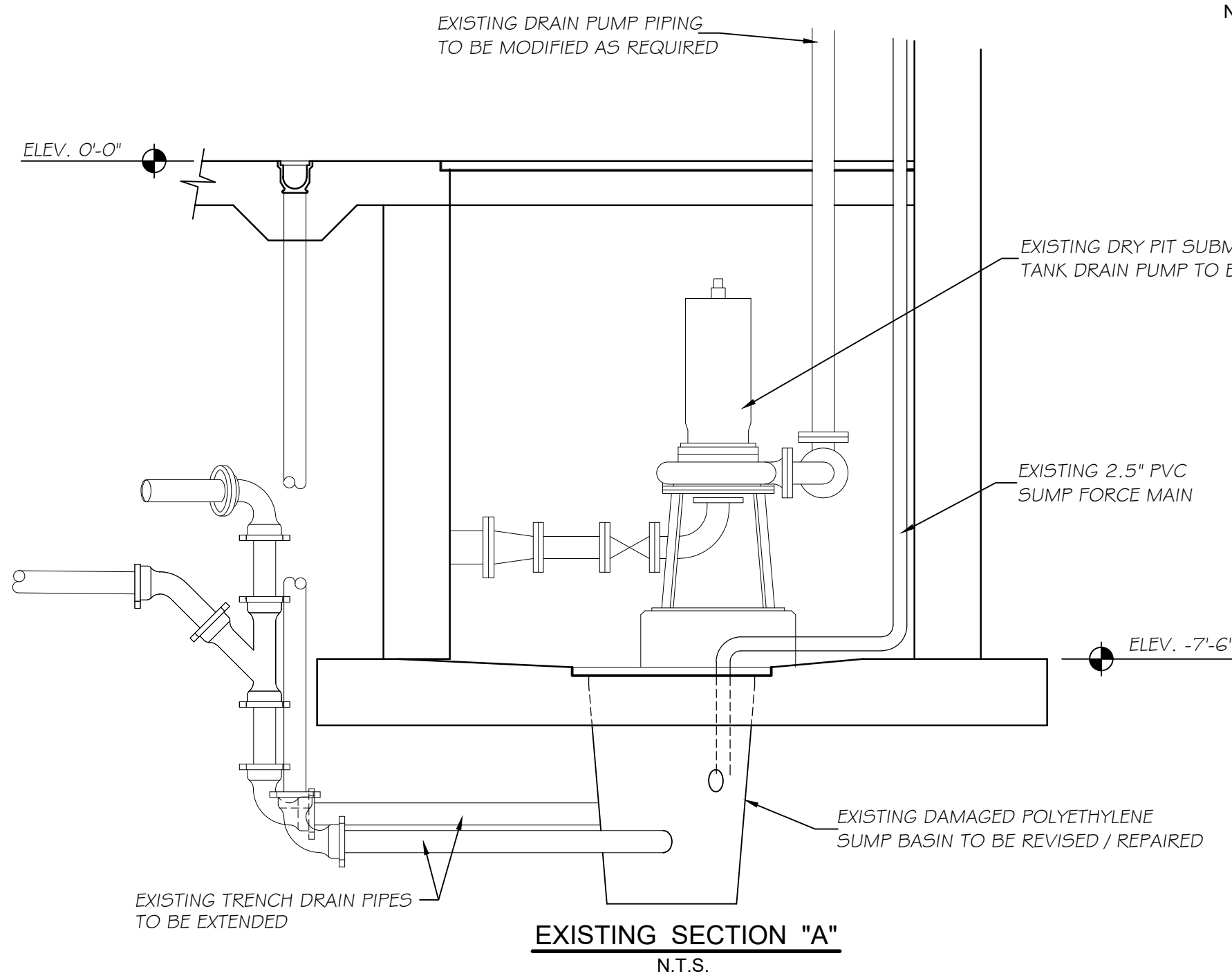
NOTE:
THE CONTRACTOR SHALL PROVIDE CONTINUOUS PUMPING FOR THE GROUND WATER UNTIL THE NEW DUPLEX GROUND WATER PUMP STATION IS ON LINE

THE SUBMERSIBLE PUMPS SHALL ALTERNATE BASED ON TIME. THE OPERATOR SHALL DETERMINE THE LENGTH OF TIME BETWEEN PUMP ALTERNATION

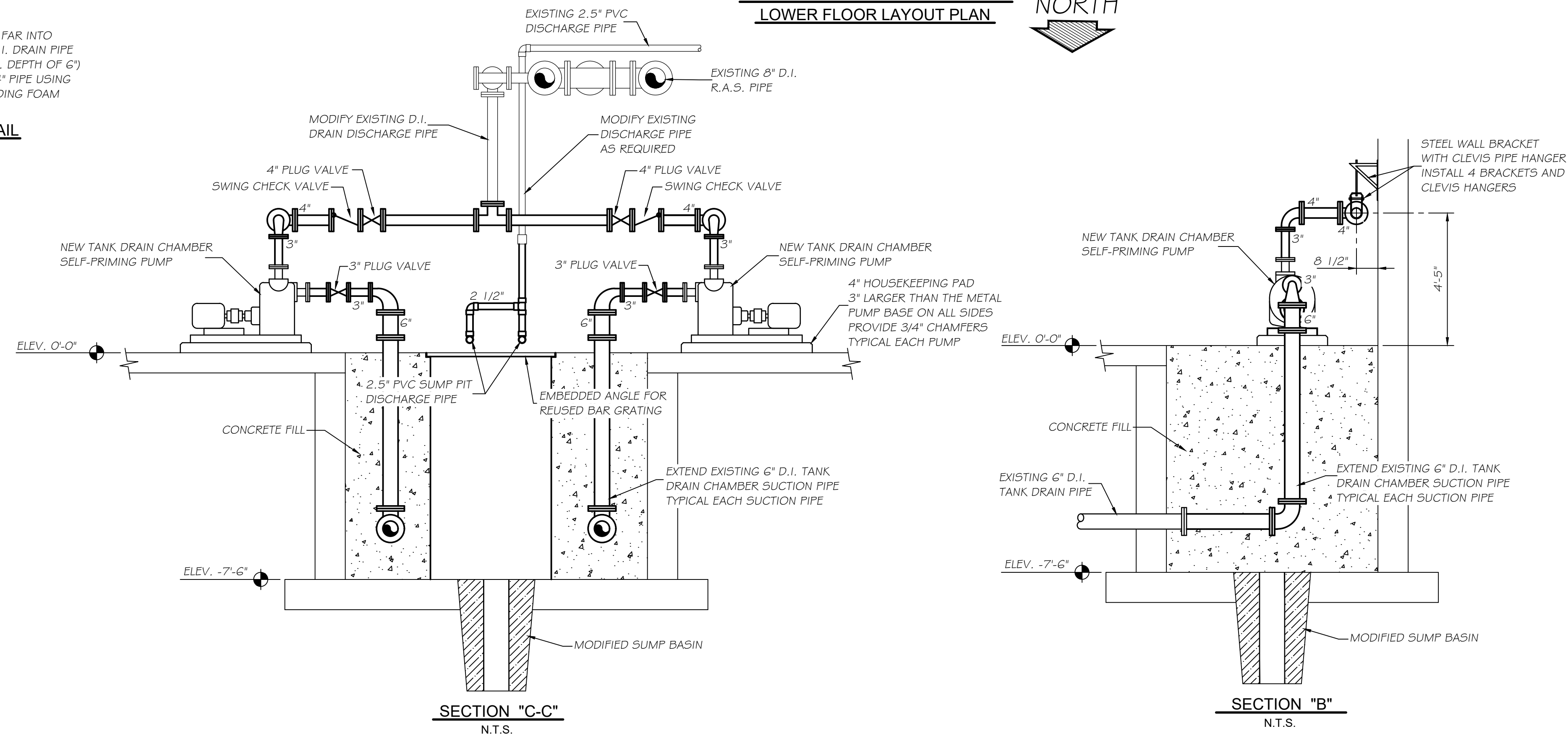
SECTION "A"
N.T.S.



DRAIN PIPE EXTENSION DETAIL
N.T.S.



EXISTING SECTION "A"
N.T.S.



SECTION "C-C"
N.T.S.

SECTION "B"
N.T.S.

DRAWN BY: G.A.H.	REVISIONS				DESCRIPTION
	LEVEL	BY	DATE		
CHECKED BY: D.W.B.					
DATE: 5/7/25					



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CITY OF MORRIS
PROPOSED EAST W.W.T.P. MODIFICATIONS
MORRIS, ILLINOIS

SUMP PIT REPAIR PLAN AND DETAILS

BIDDING
PLANS

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