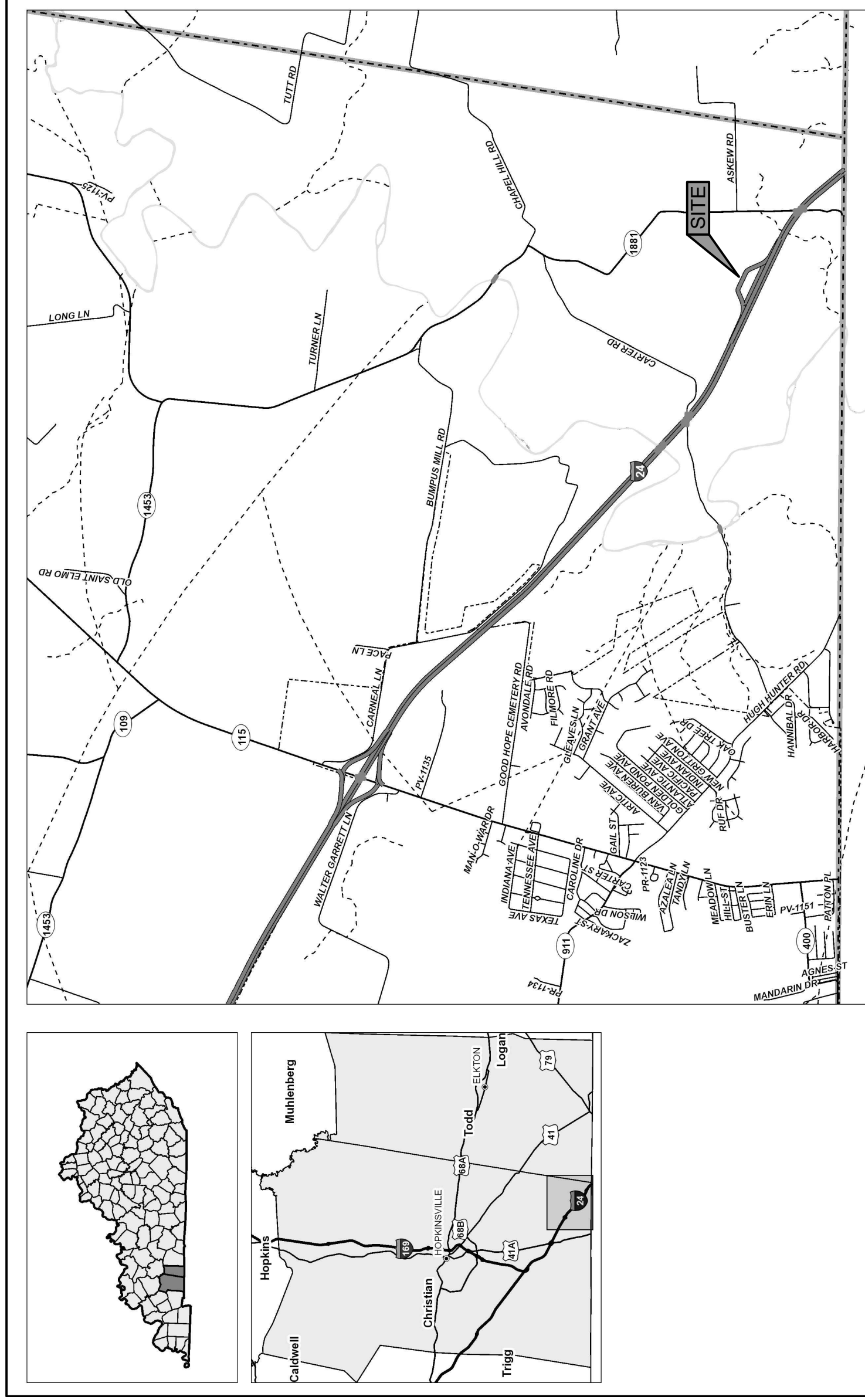
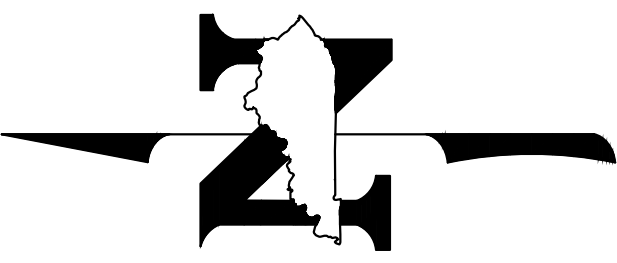
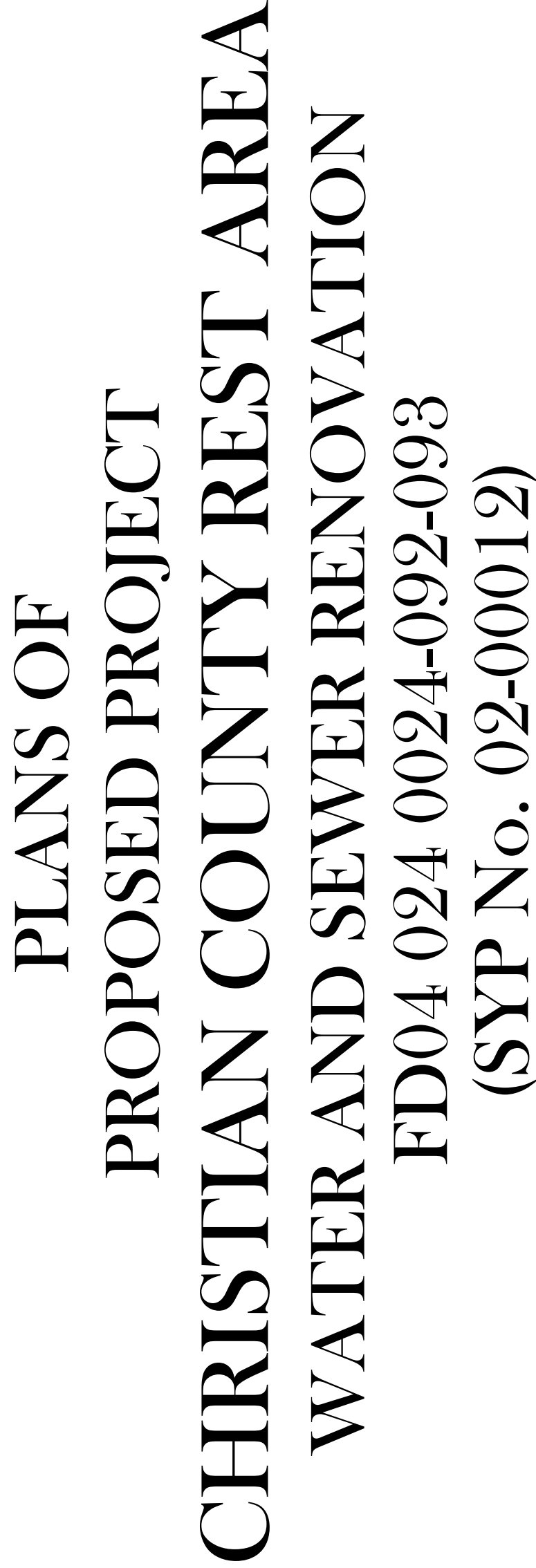




CLASS OF HIGHWAY _____
TYPE OF TERRAIN _____
DESIGN SPEED _____
REQUIRED NP&SD _____
REQUIRED PSD _____
LEVEL OF SERVICE _____
ADT PRESENT (_____) _____
ADT FUTURE (_____) _____
DHV _____
D % _____
T % _____

GEOGRAPHIC COORDINATES

LATITUDE _____ ° _____ ' _____ " _____
LONGITUDE _____ ° _____ ' _____ " _____

DESIGNED

% RESTRICTED SD _____
LEVEL OF SERVICE _____
MAX. DISTANCE W/O PASSING _____

U1	COVER SHEET	
U2	GENERAL SUMMARY AND GENERAL NOTES	
U3	GENERAL SUMMARY AND GENERAL NOTES	
U4	LEGEND, SHEET KEY MAP AND UTILITY CONTACTS	
U5	SANITARY SEWER PLAN & PROFILE STA. 69+90 TO 80+00	
U6	SANITARY SEWER PLAN & PROFILE STA. 80+00 TO 90+00	
U7	SANITARY SEWER PLAN & PROFILE STA. 90+00 TO 100+00	
U8	SANITARY SEWER PLAN & PROFILE STA. 100+00 TO 110+00	
U9	SANITARY SEWER PLAN & PROFILE STA. 110+00 TO 120+00	
U10	WATER MAIN PLAN & PROFILE STA. 0+00 TO 10+00	
U11	WATER MAIN PLAN & PROFILE STA. 10+00 TO 20+00	
U12	WATER MAIN PLAN & PROFILE STA. 20+00 TO 30+00	
U13	WATER MAIN PLAN & PROFILE STA. 30+00 TO 40+00	
U14	WATER AND SANITARY SEWER DETAILS	
U15	WATER AND SANITARY SEWER DETAILS	
U16	WATER AND SANITARY SEWER DETAILS	
U17	WATER AND SANITARY SEWER DETAILS	
U18	WATER AND SANITARY SEWER DETAILS	
U19	WATER AND SANITARY SEWER DETAILS	
U20	WATER AND SANITARY SEWER DETAILS	
U21	WATER AND SANITARY SEWER DETAILS	
U22	SITE ELECTRICAL LEAD SHEET	
U23	ELECTRICAL SITE PLAN	
U24	SITE ELECTRICAL DETAILS	
U25	SITE ELECTRICAL DETAILS	
U26	SITE ELECTRICAL DETAILS	

LOCATION MAP

 Paducah, KY Office 2301 McCracken Blvd., Paducah, KY 42001 270-443-1995 / BFWengineers.com Copyright © 2025 / Bloom Farmwork Engineering & Testing, Inc.	
	LETTING DATE: _____
	ITEM NO. _____ COUNTY OF _____ SHEET NO. _____ OF _____ 11

LENGTH _____ LIN. FT. _____ MILES _____ [DEDUCTED] _____ FOR EQUALITIES _____ LIN. FT. _____ NOT INCLUDED _____ RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____ _____ _____	LENGTH _____ LIN. FT. _____ MILES _____ [DEDUCTED] _____ FOR EQUALITIES _____ LIN. FT. _____ NOT INCLUDED _____ RAILROAD CROSSINGS NO. _____ LIN. FT. _____ BRIDGES _____ LIN. FT. _____ _____ _____	PROJECT NUMBER: FD04 024 0024-092-093 (SYN No. 02-00012) PROJECT DESCRIPTION: REPLACE THE SANITARY SEWER LIFT STATION AND FORCE MAIN TO THE CONNECTION TO HOPKINSVILLE SYSTEM AT CARTER ROAD. REPLACE WATER MAIN AND CONNECT TO LOGAN TODD 16" WATER MAIN
		RECOMMENDED BY: _____ PROJECT MANAGER _____ DATE: _____ PLAN APPROVED BY: _____ STATE HIGHWAY ENGINEER _____ DATE: _____

GENERAL SUMMARY			
ITEM CODE	ITEM	UNIT	QUANTITY
00001	DGA BASE ①	TON	140
02275	FENCE - 8 FT CHAIN LINK ②	LF	104
02287	DOUBLE VEHICULAR CHAIN LINK GATE ③	EACH	1
02569	DEMOBILIZATION	LS	1
02650	MAINTAIN & CONTROL TRAFFIC	LS	1
02726	STAKING	LS	1
14001	W AIR RELEASE VALVE 3/4 INCH	EACH	6
14019	W FIRE HYDRANT ASSEMBLY	EACH	2
14022	W FLUSH HYDRANT ASSEMBLY	EACH	1
14026	W METER 1-1/2 INCH	EACH	1
14059	W PIPE PVC 06 INCH ④	LF	3,438
14086	W SERVICE SPECIAL ⑥	EACH	1
14087	W STRUCTURE ABANDONMENT ⑦	EACH	1
14088	W STRUCTURE REMOVAL ⑧	EACH	8
14090	W TAPPING SLEEVE AND VALVE SIZE 2	EACH	1
14104	W VALVE 04 INCH	EACH	1
14105	W VALVE 06 INCH	EACH	1
14144	W LINE MARKER	EACH	7
14168	W METER VAULT SIZE RANGE 1 ⑨	EACH	1
15026	S FORCE MAIN AIR RLS/VAC VLV 02 INCH	EACH	8
15059	S FORCE MAIN PVC 04 INCH ④ ⑤	LF	5,057
15073	S FORCE MAIN TIE-IN 04 INCH	EACH	1
15092	S MANHOLE	EACH	1
15095	S MANHOLE CASTING STANDARD	EACH	1
15099	S MANHOLE TAP EXISTING ⑩	EACH	1
15112	S PIPE PVC 08 INCH ④	LF	16
15119	S PUMP STATION ⑪	EACH	1
15120	S SPECIAL ITEM (S FORCE MAIN CLEANOUT ASSEMBLY) ⑫	EACH	1
15120	S SPECIAL ITEM (S GRINDER ASSEMBLY AND MANHOLE) ⑬	EACH	1
15122	S STRUCTURE REMOVAL ⑭	EACH	10
15123	S LINE MARKER	EACH	10

GENERAL SUMMARY NOTES:

THE ADDITIONS, EXCEPTIONS, AND/OR CLARIFICATIONS PROVIDED BELOW ARE IN ADDITION TO ALL DESCRIPTIONS PROVIDED IN THE KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, KYTC STANDARD WATER BID ITEM DESCRIPTIONS AND KYTC STANDARD SANITARY SEWER BID ITEM DESCRIPTIONS. ITEMS SHOWN OR IMPLIED ON THE PLANS THAT ARE NOT SPECIFICALLY LISTED SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND SHALL BE INCLUDED IN THE OTHER ITEMS.

- ①. ITEM 00001 DGA BASE SHALL INCLUDE GROUND PREPARATION, SHAPING, GRADING, PLACING AND COMPACTING OF A DGA SURFACE TO TIE INTO THE EXISTING DGA DRIVE.
- ②. ITEM 02275 FENCE - 8 FT CHAIN LINK SHALL ALSO INCLUDE DEMOLITION AND DISPOSAL OF EXISTING FENCE AND TIE-IN OF NEW FENCE TO EXISTING FENCE.
- ③. ITEM 02287 DOUBLE VEHICULAR CHAIN LINK GATE INCLUDES DEMOLITION AND DISPOSAL OF EXISTING VEHICULAR GATE AND A NEW 16-FEET TOTAL WIDTH x 8' TALL (DOUBLE 8' WIDE) SWINGING GATES.
- ④. ITEMS 14059 W PIPE PVC 06 INCH, 15059 S FORCE MAIN PVC 04 INCH AND 15112 S PIPE PVC 08 INCH SHALL ALSO INCLUDE SADDLING OF EXISTING PAVEMENT WHERE REQUIRED FOR THE INSTALLATION; ALL BACKFILL INCLUDING FLOWABLE FILL BACKFILL BENEATH IMPROVED SURFACES; ALL SURFACE RESTORATION INCLUDING PAVEMENT PATCHING, CURB & GUTTER RESTORATION, SEEDING, AGRICULTURAL LIMESTONE FERTILIZER AND PROTECTION IN GRASS AREAS. THIS ITEM SHALL ALSO INCLUDE TREE REMOVAL AS NECESSARY FOR TRENCH EXCAVATION AND UTILITY INSTALLATION. THIS ITEM SHALL ALSO INCLUDE ALL MATERIALS AND LABOR FOR THE REMOVAL AND REINSTALLATION OF RIGHT-OF-WAY FENCE AS NECESSARY TO FACILITATE CONSTRUCTION. THIS ITEM SHALL ALSO INCLUDE THRUST BLOCKING AS REQUIRED ACCORDING TO THE DETAILS.
- ⑤. ITEM 15059 S FORCE MAIN PVC 04 SHALL ALSO INCLUDE THE REMOVAL AND DISPOSAL OF AN EXISTING SECTION OF 4" PVC WATER MAIN FROM AN EXISTING STEEL CASING BENEATH I-24 AND INSTALLATION OF 4" RESTRAINED JOINT PVC FORCE MAIN THROUGH THIS EXISTING CASING. THIS ITEM SHALL ALSO INCLUDE NEW CASING SPACERS AND NEW END SEALS PER PIPE MANUFACTURER RECOMMENDATIONS.
- ⑥. ITEM 14088 W SERVICE SPECIAL SHALL INCLUDE A 1" TAP TO THE NEW 6" PVC WATER MAIN INCLUDING SERVICE SADDLE AND CORPORATION STOP. INSTALLING 350 LINEAR FEET OF 1" SCHEDULE 40 PVC WATER SERVICE (PARTIALLY THROUGH AN EXISTING 4" WATER MAIN TO BE ABANDONED WITH THIS PROJECT), CASING SPACERS, END SEALS, FREEZE-PROOF YARD HYDRANT, 1" SHUT-OFF-VALVE, 1" DOUBLE-CHECK BACKFLOW PREVENTER, CONCRETE RING, ALL EXCAVATION, ALL BACKFILL, AND PARTIAL REMOVAL OF THE EXISTING 4" WATER MAIN.
- ⑦. ITEM 14087 W STRUCTURE ABANDONMENT SHALL INCLUDE THE CUTTING, CAPPING AND SEALING OF ALL WATER MAIN CONNECTIONS TO EXISTING MASTER METER VAULT NEAR CARTER ROAD, REMOVING THE MASTER METER AND RETURNING TO OAK GROVE WATER DEPARTMENT AND ABANDONMENT OF THE WATER METER VAULT.
- ⑧. ITEM 14088 W STRUCTURE REMOVAL SHALL INCLUDE THE COMPLETE REMOVAL AND DISPOSAL OF (8) WATER AIR RELEASE VALVES AND VAULTS.
- ⑨. ITEM 14168 W METER VAULT SIZE RANGE 1 SHALL INCLUDE THE MASTER METER VAULT, METER ASSEMBLY, VALVES, PIPING, FITTINGS, METER, HATCH, MARKING POSTS, AND ALL OTHER APPURTENANCES SHOWN ON THE PLANS.
- ⑩. ITEM 15099 S MANHOLE TAP EXISTING SHALL INCLUDE THE TAPPING OF THE (1) EXISTING WET WELL FOR INCORPORATION TO THE NEW SYSTEM AS A MANHOLE AND ADDITIONAL STORAGE CAPACITY. THIS ITEM SHALL ALSO INCLUDE ALL CONCRETE AND LABOR NECESSARY TO MODIFY THE WET WELL BOTTOM ACCORDING TO DETAIL 7, SHEET U13.
- ⑪. ITEM 15119 S PUMP STATION SHALL ALSO INCLUDE ALL LABOR, EQUIPMENT, APPURTENANCES AND FEES FOR PROVIDING AND INSTALLING A NEW DEDICATED ELECTRICAL SERVICE FOR THE NEW LIFT STATION AS SHOWN IN THE ELECTRICAL PLANS.
- ⑫. ITEM 15120 S SPECIAL ITEM (S FORCE MAIN CLEANOUT ASSEMBLY) SHALL INCLUDE THE COMPLETE SANITARY SEWER FORCE MAIN CLEANOUT ASSEMBLY SHOWN ON THE PLANS; INCLUDING THE MANHOLE/VAULT, HATCH, (3) PLUG VALVES, STAINLESS STEEL QUICK CONNECT FITTING AND CAP, TEE, MISC. FITTINGS, PIPING, EXCAVATION, BACKFILL, GROUND RESTORATION, AND ALL ADDITIONAL ITEMS NOT MENTIONED FOR A COMPLETE AND FUNCTIONAL ASSEMBLY.
- ⑬. ITEM 15120 S SPECIAL ITEM (S GRINDER ASSEMBLY AND MANHOLE) SHALL INCLUDE THE COMPLETE SANITARY SEWER GRINDER AND PREFABRICATED MANHOLE ASSEMBLY SHOWN ON THE PLANS; INCLUDING THE GRINDER, MANHOLE, HATCH, ALL INTERIOR COMPONENTS AS SHOWN IN THE DETAIL, CONTROL PANEL, CONTROLS ELECTRICAL, EXCAVATION, BACKFILL, GROUND RESTORATION, AND ALL ADDITIONAL ITEMS NOT MENTIONED FOR A COMPLETE AND FUNCTIONAL ASSEMBLY.
- ⑭. ITEM 15122 - S STRUCTURE REMOVAL SHALL INCLUDE THE COMPLETE REMOVAL OF (8) SANITARY SEWER AIR RELEASE VALVES AND VAULTS AND (1) LIFT STATION VALVE VAULT INCLUDING ALL VALVES AND CUTTING, CAPPING AND SEALING OF ALL SANITARY SEWER FORCE MAIN CONNECTIONS TO THESE STRUCTURES. ALL SANITARY SEWER AIR RELEASE/VACUUM VALVES SHALL BE RETURNED TO KYTC AT THE REST AREA FOR KYTC OWNERSHIP AND FUTURE USE. CONTRACTOR SHALL USE CARE IN REMOVAL AND TRANSPORT PROCESS SUCH THAT VALVES ARE NOT DAMAGED. THIS ITEM SHALL ALSO INCLUDE THE COMPLETE REMOVAL AND DISPOSAL OF ALL RAIL SYSTEMS, PIPING, VALVES, CONTROL PANELS, CONTROL PANEL PEDESTALS, AND OTHER INTERIOR APPURTENANCES OF (1) EXISTING LIFT STATION. THIS ITEM INCLUDES THE REMOVAL OF THE EXISTING PUMPS FROM THE LIFT STATION AND TURNING THEM OVER TO KYTC FOR THEIR RETENTION OF OWNERSHIP AND USE. THE LIFT STATION WET WELL SHALL BE LEFT IN-PLACE AND MODIFIED FOR USE UNDER ITEM 15099 S MANHOLE TAP EXISTING.

08/22/2025

08/22/2025

GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT:

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.

PROTECTION OF EXISTING UTILITIES

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

PREQUALIFIED UTILITY CONTRACTORS

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. Utility contractors may be added via addendum if KYTC is instructed to do so by the utility owner. Potential contractors must seek prequalification from the utility owner. Any revisions must be sent from the utility owner to KYTC a minimum of one week prior to bid opening. Those utility owners with a prequalification or preapproval requirement are as follows:

(The district utility agent shall list here utility owners requiring prequalified or preapproved contractors to perform work on their facilities. The utility agent shall place appropriate lefts or prequalified or preapproved contractors at the end of these notes with each list identified with the utility owner name, utility type and appropriate location. The utility agent shall place appropriate right of way lines on the plans. The utility agent shall place appropriate notes on the plans to identify the utility owner. The utility agent shall be prudent to list here each utility owner with utility work in the road contract and state if they require prequalified or preapproved contractors or not. If no utility owner prequalifies or preapproves contractors, the following statement shall be placed here: "No contractors are required to be prequalified or preapproved by the utility owner(s) to perform utility relocation work under this contract.")

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract. In such instances, the utility subcontractor is not required to be prequalified with the KYTC Division of Construction Procurement.

IF A UTILITY SUPPLIED CONTRACTOR LIST IS NOT PROVIDED

When the above list of approved subcontractors for the utility work is not provided, the utility work can be completed by the prime contractor, or a prime contractor-chosen subcontractor. In such instances, the subcontractor shall be prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (153). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note, it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

ENGINEER

Where the word "Engineer" appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the "Engineer" is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word "Inspector" or "Resident Project Representative" appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the "Inspector" or "Resident Project Representative" is the utility owner inspector and KYTC Inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required, but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be, but is not limited to, a door hanger, notice by newspaper ad, telephone contact, or any combination of the above methods as deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner's shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

CUSTOMER SERVICE AND LATERAL ABANDONMENTS

When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn off the tap valve or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD

RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be "in-kind" as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

BELOW ARE NOTES FOR WHEN "INST" ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text "Inst" at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor's bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

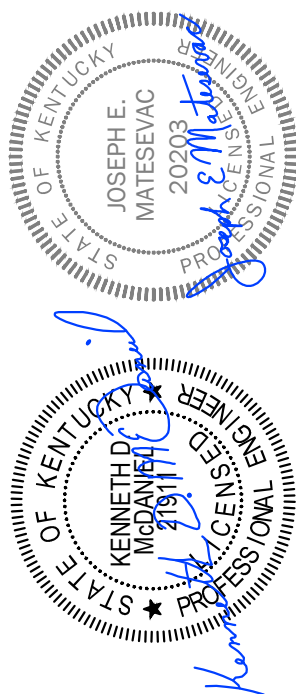
(List here utility owner name(s) and specific materials that will be provided to the contractor. If there are some utility owners that will be supplying materials and others that will not, it may be prudent to also list each utility owner that will not be supplying materials for clarity of the contract. If no utility owner intends to supply materials, the following statement shall be placed here: "No materials are being supplied by the utility owner(s). All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.")

SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor's expense.

GENERAL SITE UTILITY NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT KY 811. CONTRACTOR IS RESPONSIBLE FOR DIRECT CONTACT WITH UTILITY OWNERS THAT HAVE UTILITIES THAT ARE NOT MARKED BY KY 811.
2. ALL EXISTING UTILITIES ARE SHOWN IN THEIR GENERAL LOCATION ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND FIELD LOCATING ALL UTILITIES WITHIN THE PROJECT LIMITS, SO THAT CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. IF ANY UTILITY LINES ARE DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE UTILITY LINES AT THE CONTRACTOR'S EXPENSE. FINISHED REPLACEMENT OR REPAIR SHALL MEET THE APPROVAL OF THE SPECIFIC UTILITY OWNER.
3. IF NECESSARY, CONTRACTOR SHALL POTHOLE EXISTING UTILITIES TO CONFIRM THE ABSENCE OF ANY CONFLICT WITH PROPOSED UTILITY INSTALLATIONS.
4. CONTRACTOR MUST FIELD VERIFY THE LOCATION AND DEPTHS OF ALL EXISTING UTILITIES THAT ARE BEING CONNECTED TO IN THIS PROJECT. IF ADJUSTMENTS ARE NEEDED, CONTACT ENGINEER FOR COORDINATION OF ACTUAL LOCATIONS AND DEPTHS OF UTILITIES.
5. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH FEDERAL, STATE & LOCAL CODES AND SPECIFICATIONS. CONDUCT ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH ALL APPLICABLE O.S.H.A. STANDARDS AND REGULATIONS.
6. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.
7. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL NECESSARY EROSION AND SEDIMENTATION CONTROLS ACCORDING TO THE STATE OF KENTUCKY STANDARD PROCEDURES AND THE SWPPP PREPARED FOR THIS PROJECT. ALL EROSION AND SEDIMENTATION CONTROL MATERIALS, LABOR AND MAINTENANCE SHALL BE INCIDENTAL TO THE PROJECT AND SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
8. CONTRACTOR SHALL IMPLEMENT TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH KYTC STANDARDS AND WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AS NECESSARY. UTILITY CONSTRUCTION SIGNS AND SHOULDER CLOSURE SIGNS ARE ANTICIPATED ALONG THE INTERSTATE WHEN WORK IS BEING CONDUCTED WITHIN THE RIGHTS-OF-WAY.
9. CONTRACTOR SHALL RETAIN A PROFESSIONAL LAND SURVEYOR TO REPLACE ALL SURVEY MONUMENTS, PROPERTY CORNERS, ETC. DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
10. ALL TRENCHES BENEATH EXISTING IMPROVED SURFACES (ASPHALT/CONCRETE), SHALL BE BACKFILLED WITH COMPACTED CRUSHED STONE. CONTRACTOR SHALL RESTORE EXISTING IMPROVED SURFACES WITH SAME TYPE AND THICKNESS.
11. THE CONTRACTOR SHALL FULLY RESTORE ALL AREAS (ASPHALT, CONCRETE, CURBS, SIDEWALKS, LANDSCAPING, & ETC.) DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
12. CONTRACTOR SHALL NOTIFY UTILITY OWNERS PRIOR TO ANY CONNECTIONS OR WORK INVOLVING THEIR FACILITIES.
13. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY TAP-ON FEES, METERS AND ETC. CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES.
14. ALL UTILITY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THAT PARTICULAR UTILITY PROVIDER'S STANDARDS, METHODS AND PROCEDURES.
15. EXISTING WATER SUPPLY SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR TO TRANSFER SERVICE FROM EXISTING TO NEW MAIN UPON COMPLETION OF NEW WATER INSTALLATION. ANY DOWN TIME FOR FINAL CONNECTIONS OF NEW SERVICE TO EXISTING FACILITIES MUST BE COORDINATED AHEAD OF TIME WITH KYTC, AND ANY "DOWN-TIMES" MUST BE LIMITED TO A FEW HOUR PERIOD DETERMINED UPON COORDINATION BETWEEN THE CONTRACTOR AND KYTC.
16. THE NEW WATER INSTALLATION MUST BE COMPLETED AND TRANSITIONED FROM THE EXISTING FIRST, PRIOR TO THE SANITARY SEWER.
17. EXISTING SANITARY SEWER MAIN SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR MUST ENSURE THAT THE SERVICE IS OPERATING FOR THE REST AREA FACILITY TO REMAIN OPEN. IF AT ANY POINT THERE IS NEEDED A PUMP TRUCK AND PUMP SERVICE TO PUMP THE EXISTING WET WELL AND HALL SANITARY SEWAGE TO THE TREATMENT PLANT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THIS SERVICE OR RETAIN AND PAY FOR A SUBCONTRACTOR TO PERFORM THIS SERVICE. CONTRACTOR TO TRANSFER SERVICE FROM EXISTING MAIN TO NEW MAIN UPON COMPLETION OF ENTIRE MAIN INSTALLATION.
18. WATER MAINS AND SEWER MAINS MUST MAINTAIN A MINIMUM SEPARATION OF 10 FEET HORIZONTAL. WHERE WATER MAINS CROSS SEWER MAINS, THE WATER MAINS MUST BE MINIMUM 18" ABOVE THE SEWER MAINS MEASURED FROM OUTSIDE TO OUTSIDE OF PIPE.
19. WATER MAIN DISINFECTION, SAMPLING AND TESTING MUST BE CONDUCTED AND PASS PRIOR TO PLACING INTO SERVICE. CONDUCT ALL TESTING IN ACCORDANCE WITH THE SPECIFICATIONS AND KY DIVISION OF WATER STANDARDS.
20. SANITARY SEWER MAIN, FORCE MAIN AND MANHOLE TESTING MUST BE CONDUCTED AND PASS PRIOR TO PLACING INTO SERVICE. CONDUCT ALL TESTING IN ACCORDANCE WITH THE SPECIFICATIONS AND KY DIVISION OF WATER STANDARDS.
21. ALL WATER MAIN AND SANITARY SEWER FORCE MAIN SHALL BE INSTALLED WITH MINIMUM 42" COVER MEASURED FROM FINAL GROUND SURFACE TO THE OUTSIDE TOP OF PIPE. ALL PIPE JOINT DEFLECTIONS SHALL BE PER PIPE MANUFACTURER SPECIFICATIONS AT MAXIMUM. ADDITIONAL COVER MAY BE NECESSARY IN CERTAIN AREAS SUCH THAT MAXIMUM JOINT DEFLECTIONS ARE NOT EXCEEDED AND MINIMUM COVER IS MAINTAINED.
22. CONTRACTOR SHALL COMPLETE ALL NECESSARY MISCELLANEOUS DEMOLITION, DISPOSAL, AND RESTORATION AS PART OF THE PROJECT BID ITEMS WITH NO ADDITIONAL COST TO THE OWNER.



LEGEND

	PROPERTY LINE	
	ADJOINING PROPERTY LINE	
	EASEMENTS	
	EXISTING BUILDING	
	EXISTING CURB AND GUTTER	
	EXISTING PAVEMENT	
	EXISTING RIGHT-OF-WAY FENCE	
	EXISTING STORM SEWER	
	EXISTING FIBER OPTIC LINE	
	UG ELEC	
	OH ELEC	
	OH COMM	
	UG COMM	
	UG COMM	
	GAS	
	W	
	SAN	
	SFM	
	GAS METER	
	GAS VALVE	
	GUY WIRE	
	UTILITY POLE	
	LIGHT POLE	
	TELEPHONE PEDESTAL	
	WATER METER	
	EXISTING WATER VALVE	
	EXISTING SANITARY SEWER MANHOLE	
	EXISTING SANITARY SEWER OR WATER AIR RELEASE VALVE	
	PROPOSED SANITARY FORCE MAIN	
	PROPOSED SANITARY MAIN	
	PROPOSED WATER MAIN	
	PROPOSED SANITARY SEWER OR WATER AIR RELEASE VALVE	
	PROPOSED SANITARY SEWER MANHOLE	
	PROPOSED GATE VALVE	
	PROPOSED FIRE HYDRANT	
	EXISTING TREE	

SITE UTILITY CONTACTS:

Logan Todd Regional Water Commission
Kyle Kenner
270.483.6990
270.878.0377
kkenner@ltwrc.org

Oak Grove Water Department
Brandy Moore
270.439.4646
270.640.4232

SANITARY SEWER: Hopkinsville Water Environment Authority
Trey Pollock
270.887.4246
Tpollock@hwea-ky.com

COMMUNICATIONS: AT&T Distribution, Fiber & Telephone
800.288.2020

ELECTRICITY: Pennyrile RECC
270.475.6633

BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT KENTUCKY 811 @ 811 OR 1-800-752-6007 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.



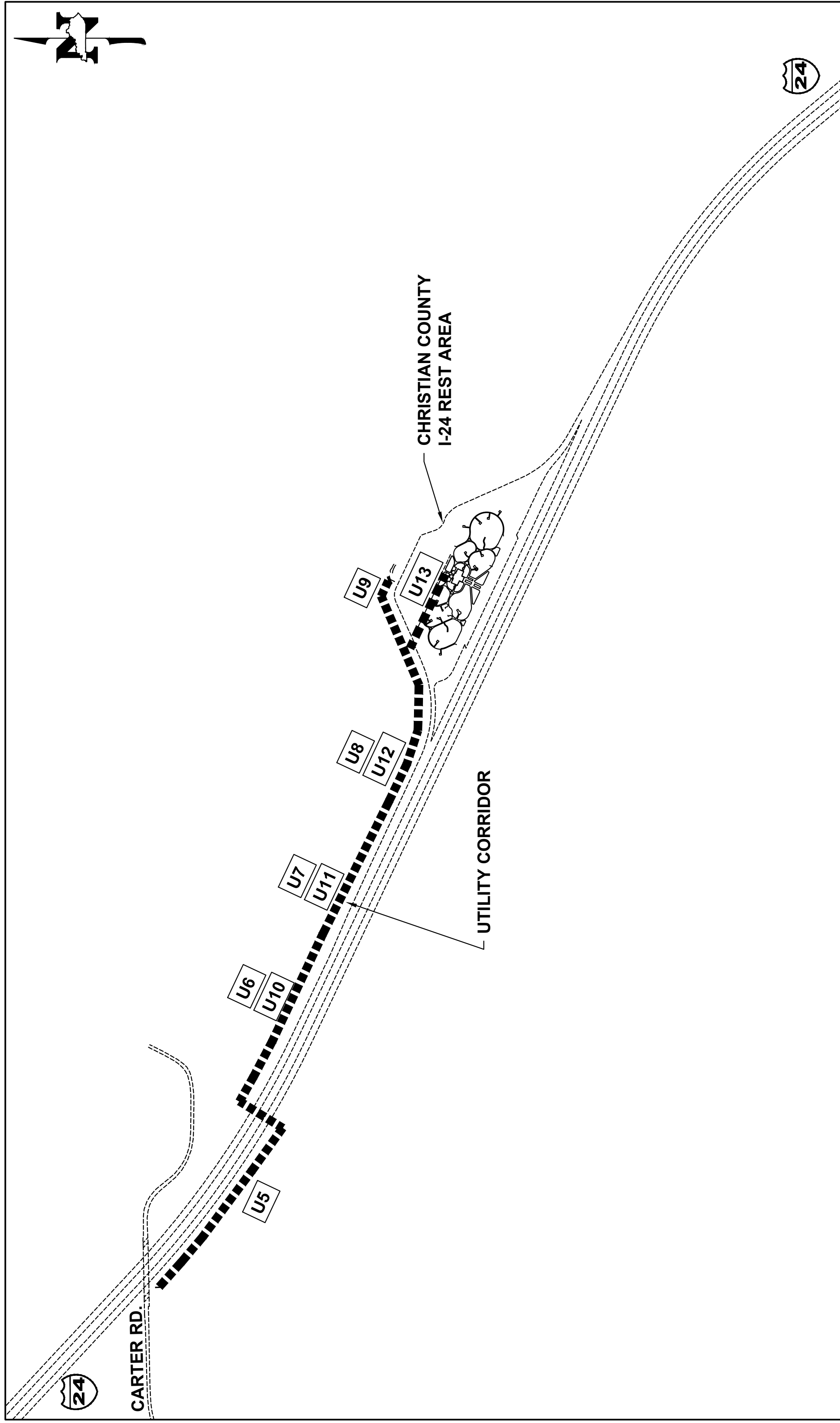
Call 811 or 800-752-6007
www.kentucky811.com

Two Business Days Before You Dig
IT'S THE LAW

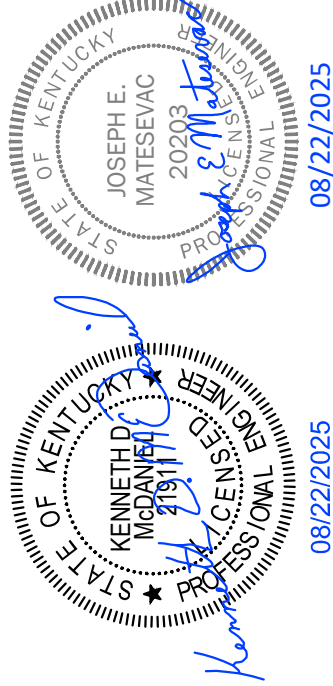


COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: LEGEND, SHEET KEY MAP AND UTILITY CONTACTS



SHEET KEY MAP

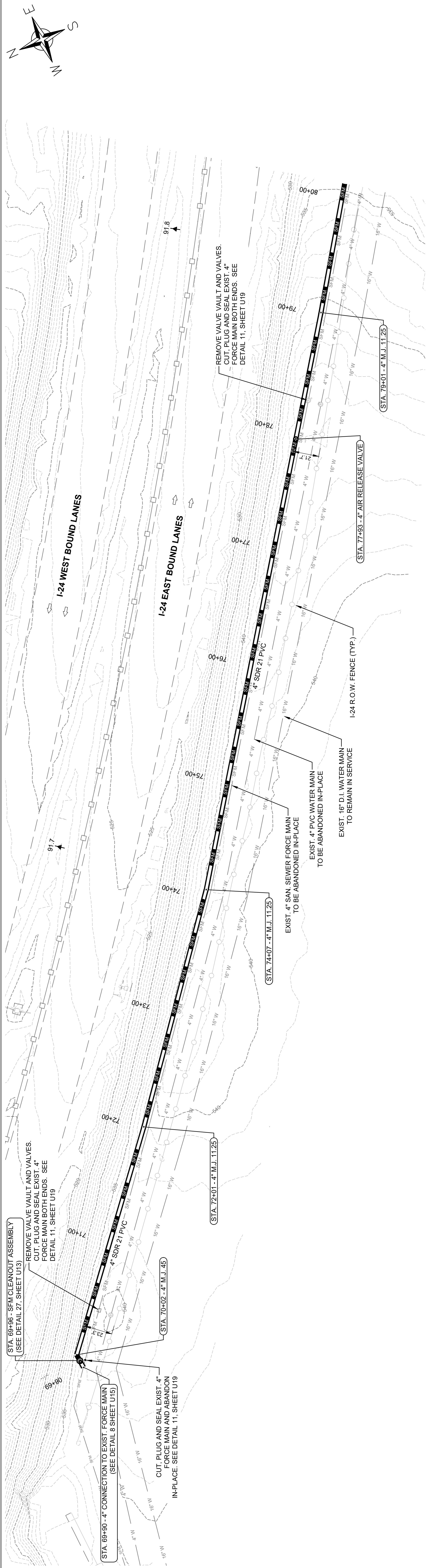


ITEM NO. COUNTY OF

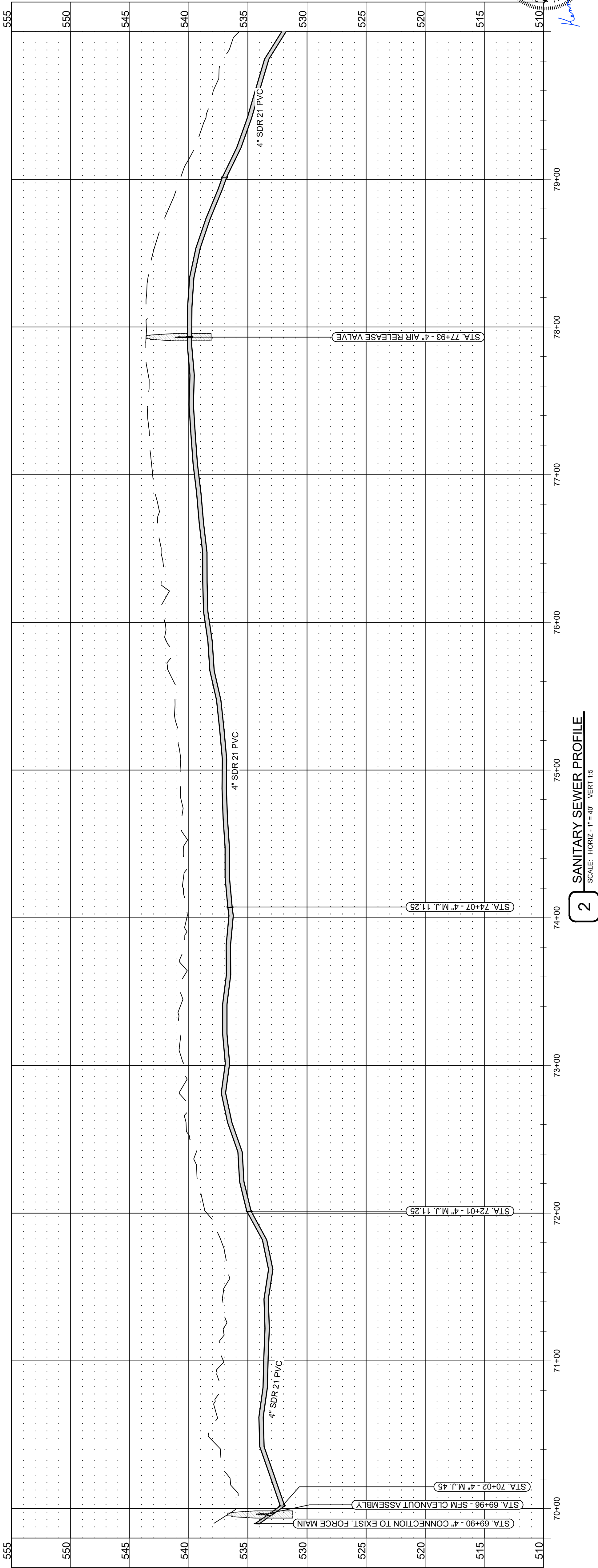
ITEM NO. COUNTY OF

SHEET NO.

U4



1 SANITARY SEWER PLAN
SCALE: 1"=40'



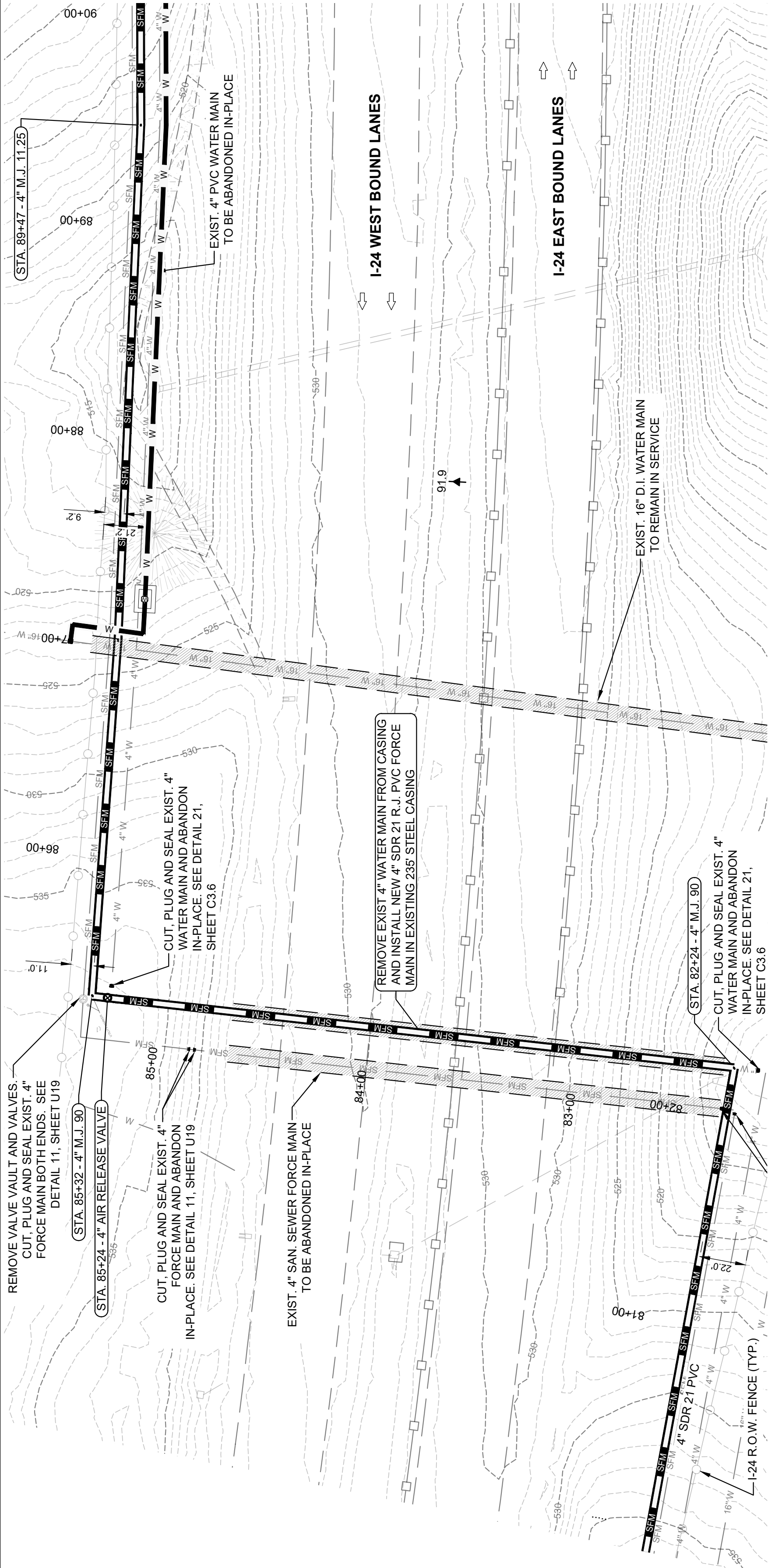
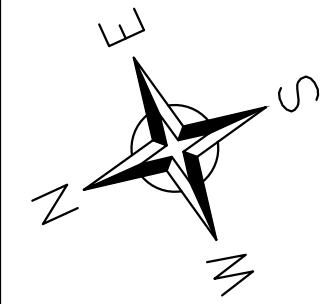
2 SANITARY SEWER PROFILE
SCALE: HORIZ. 1"=40' VERT. 1"=5'

JOSEPH E. MATSEVIAG
20203
08/22/2025

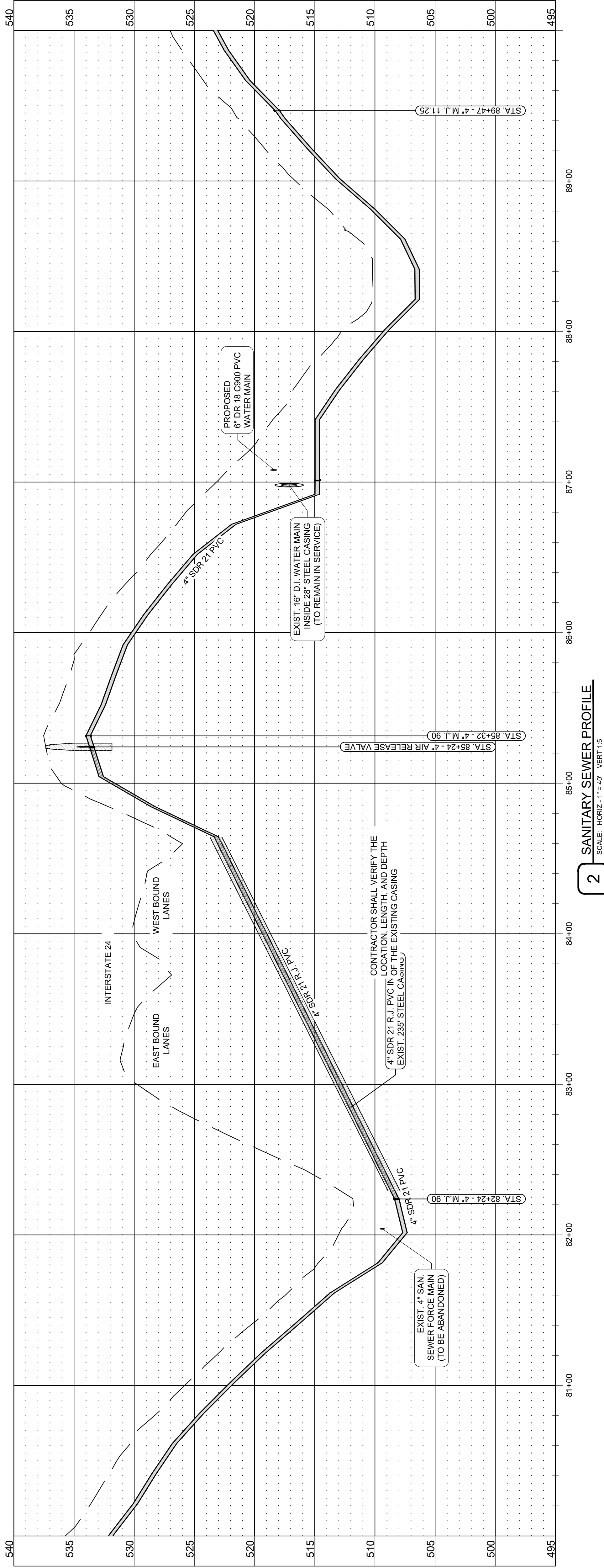
JENNIFER L. HANNER
20203
08/22/2025

JOSEPH E. MATSEVIAG
20203
08/22/2025

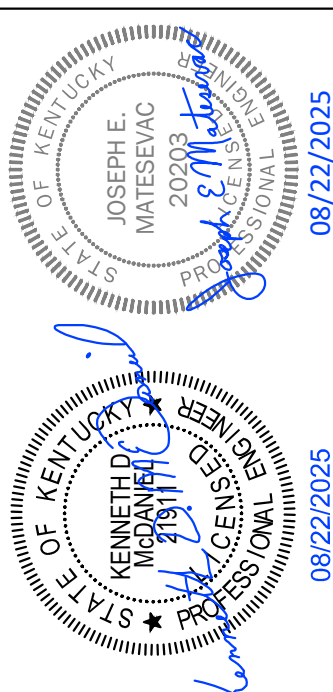
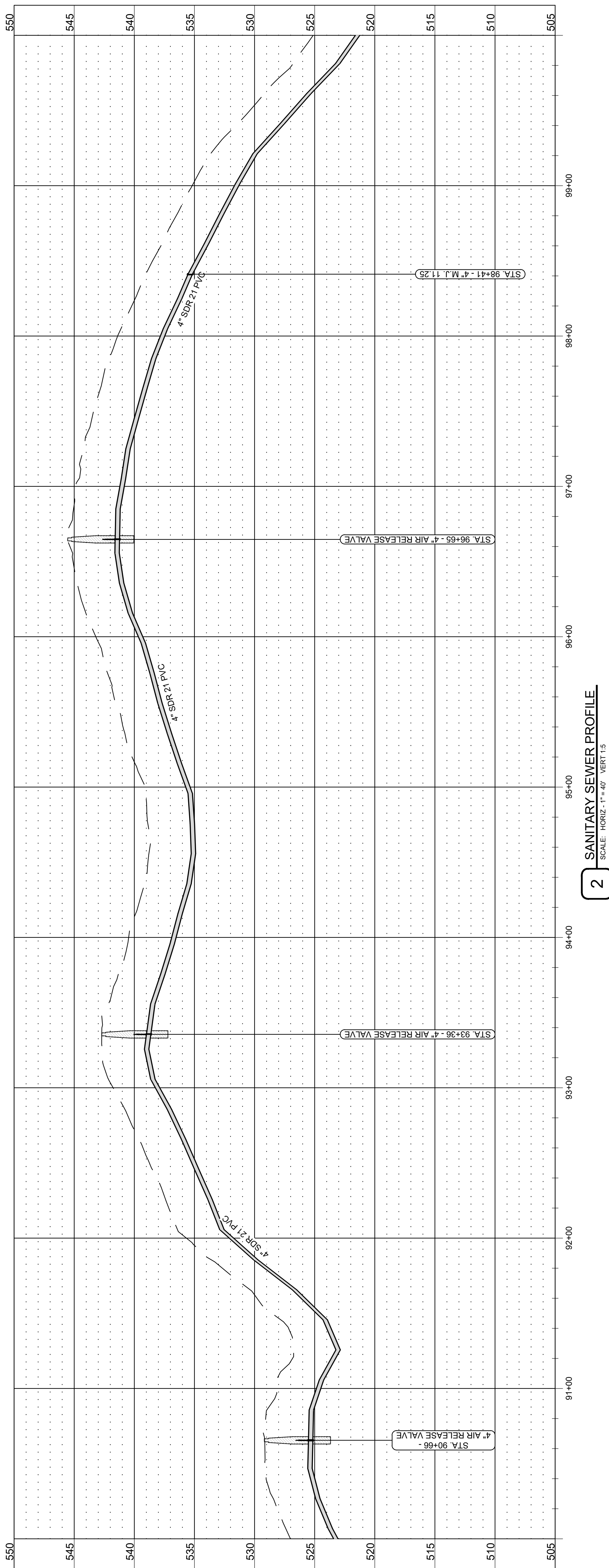
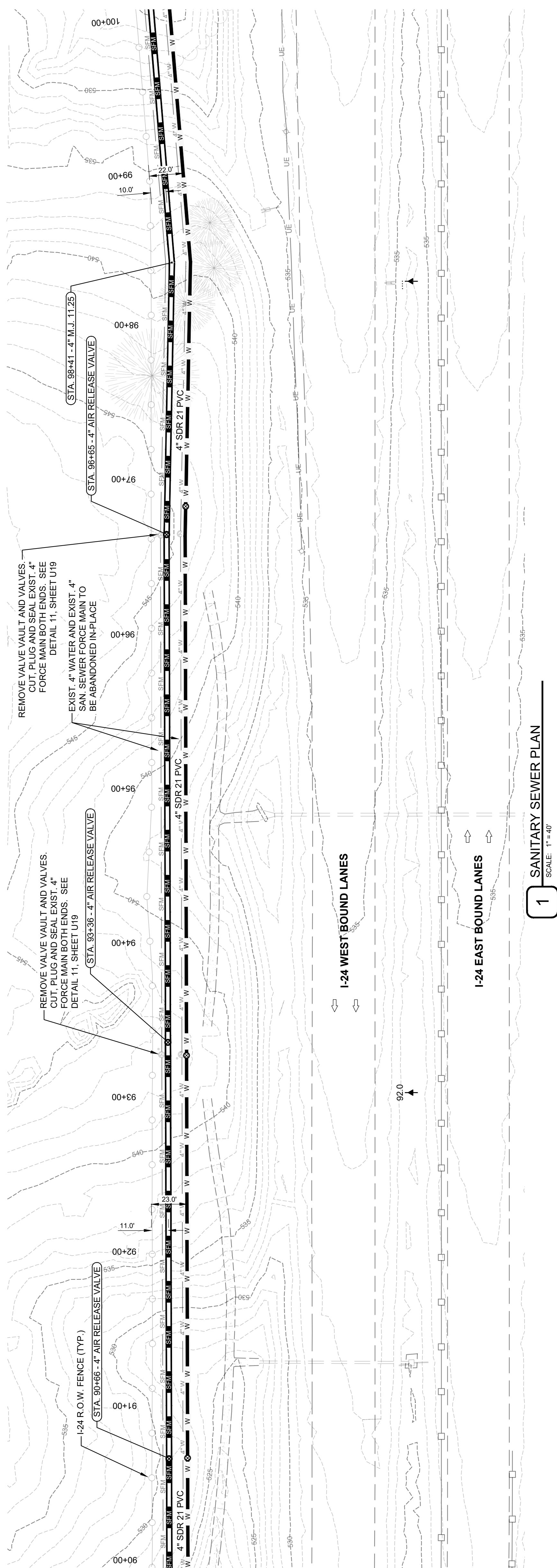
JENNIFER L. HANNER
20203
08/22/2025

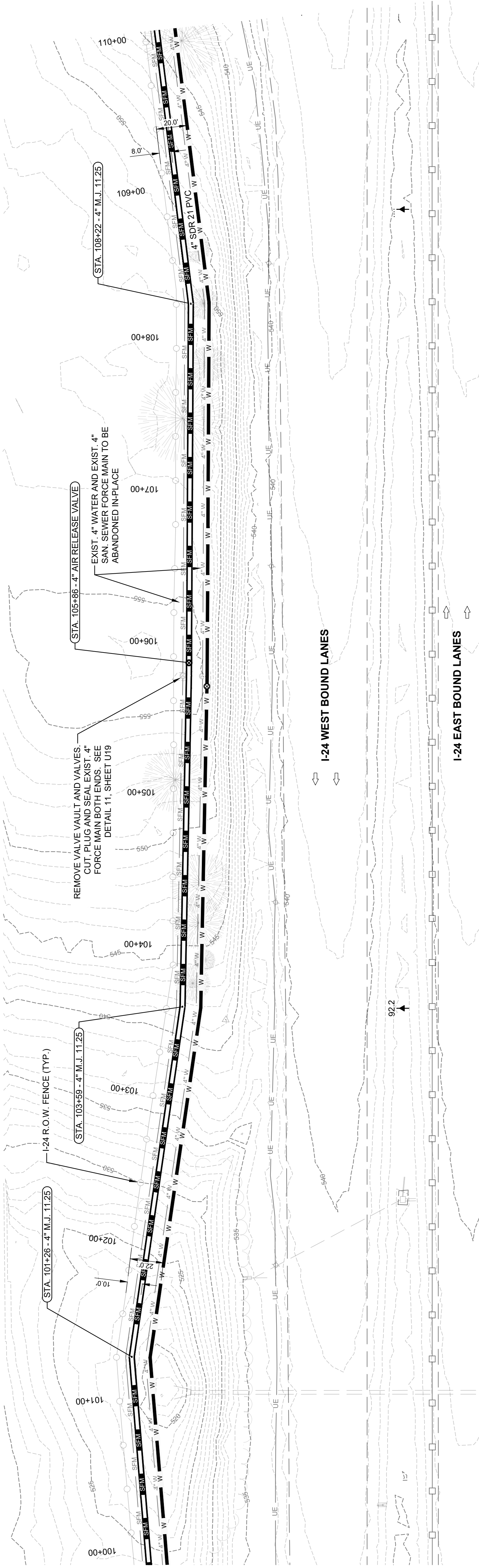
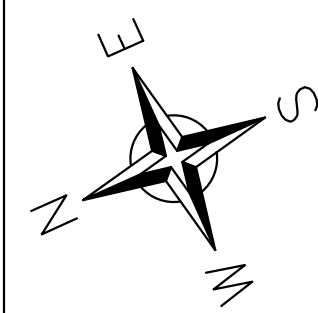


1 SANITARY SEWER PLAN
SCALE: 1" = 40'

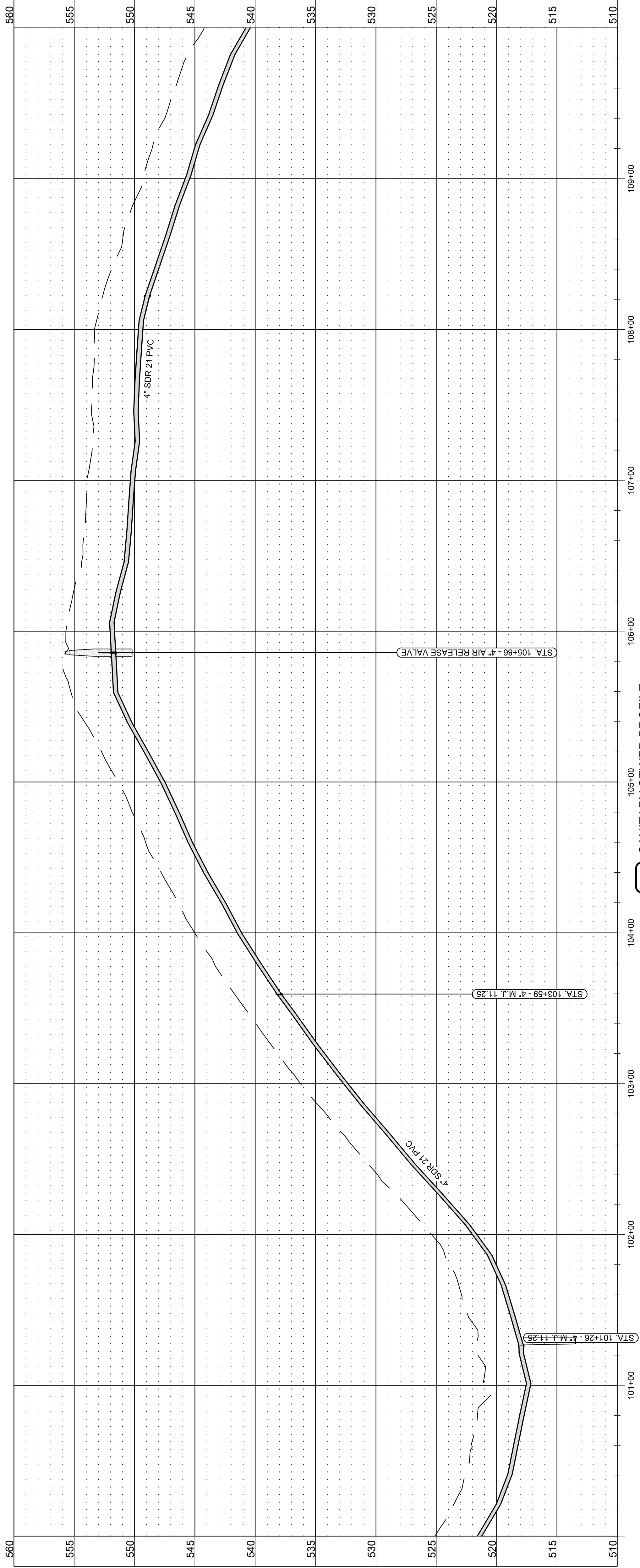


2 SANITARY SEWER PROFILE
SCALE: HORIZ. 1" = 40' VERT. 1" = 5'





1 SANITARY SEWER PLAN
SCALE: 1"=40'



2 SANITARY SEWER PROFILE
SCALE: HORIZ. 1"=40' VERT. 1:5

SEAL

JOSEPH E. MATESIA

20203

PROFESSIONAL ENGINEER

08/22/2025

SEAL

JOSEPH E. MATESIA

20203

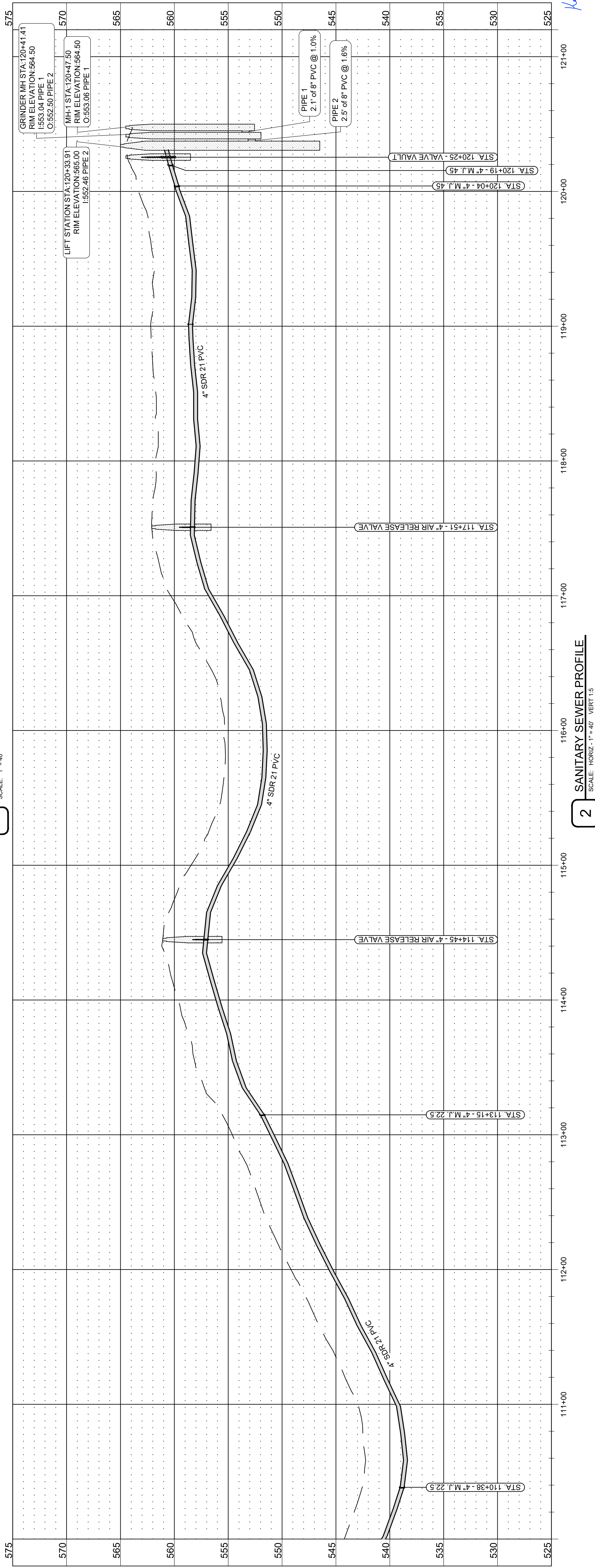
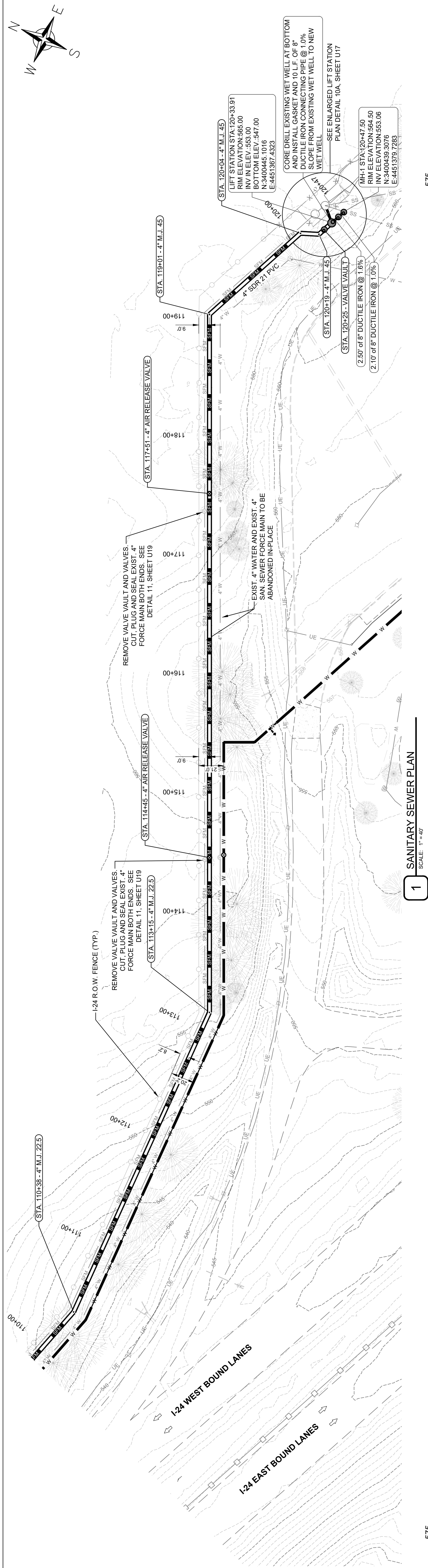
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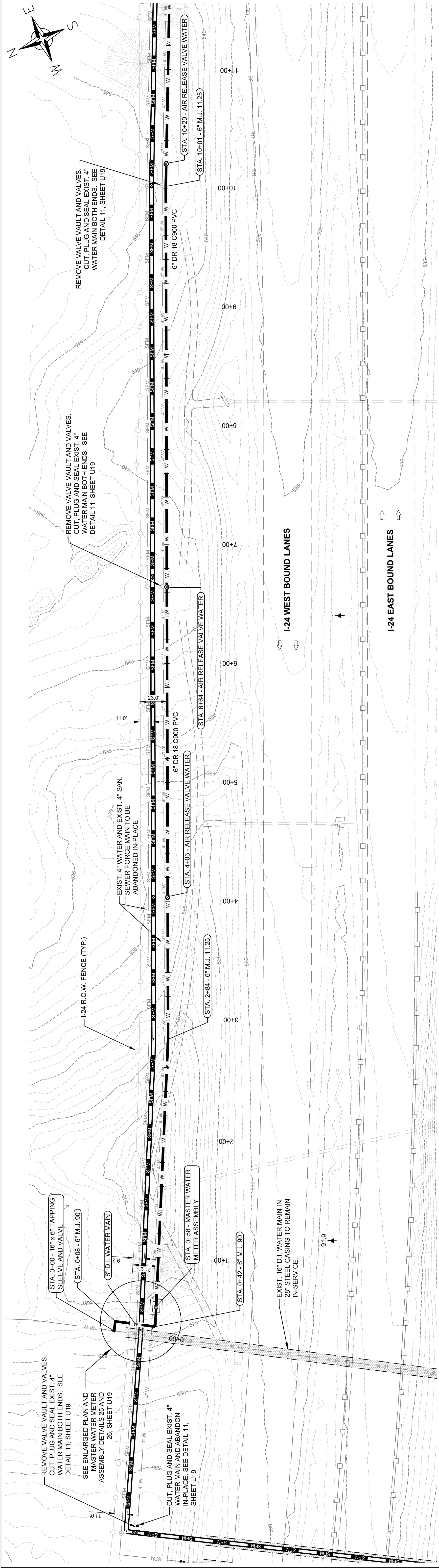
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ITEM NO. 02-00012.00

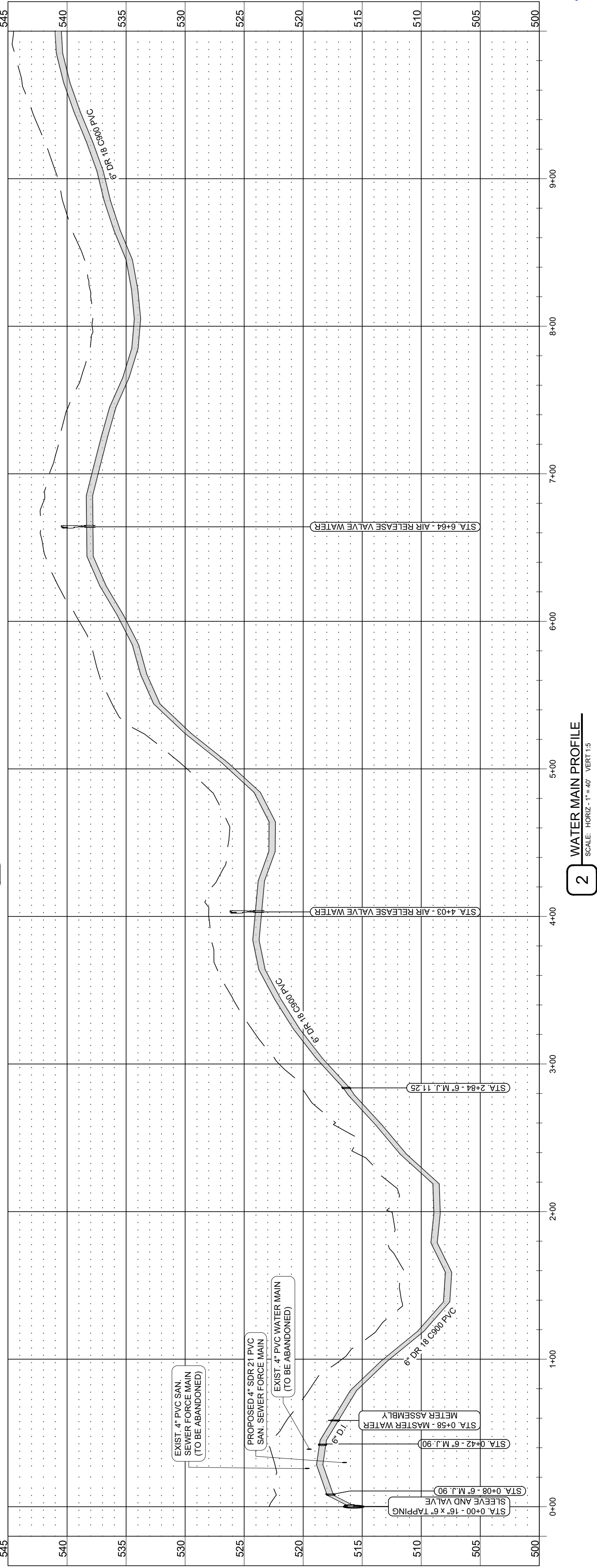
COUNTY OF CHRISTIAN

SHEET NO. U8

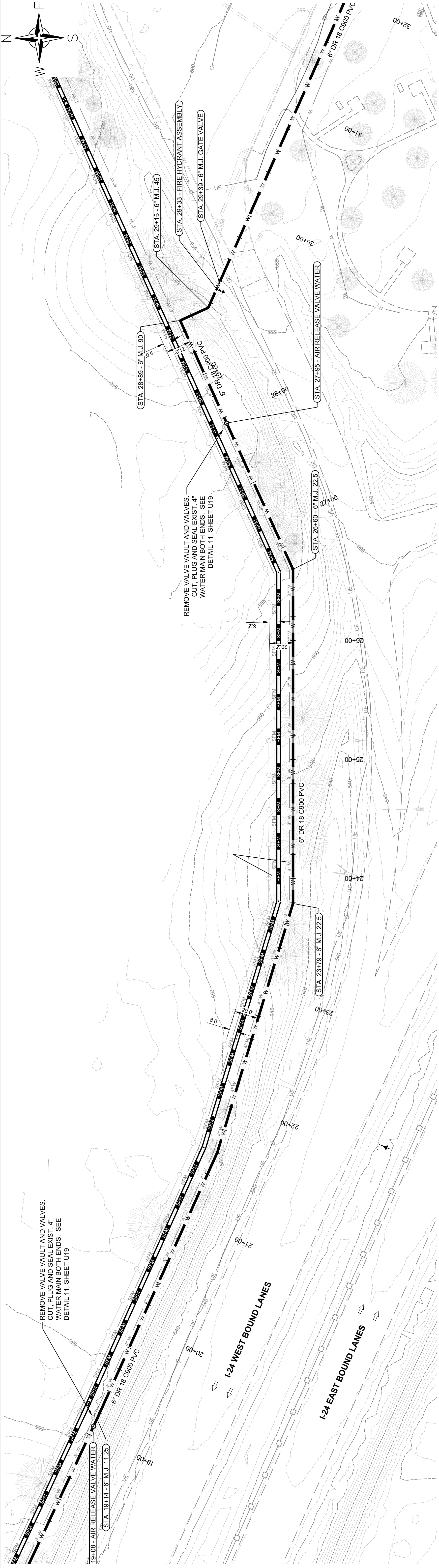




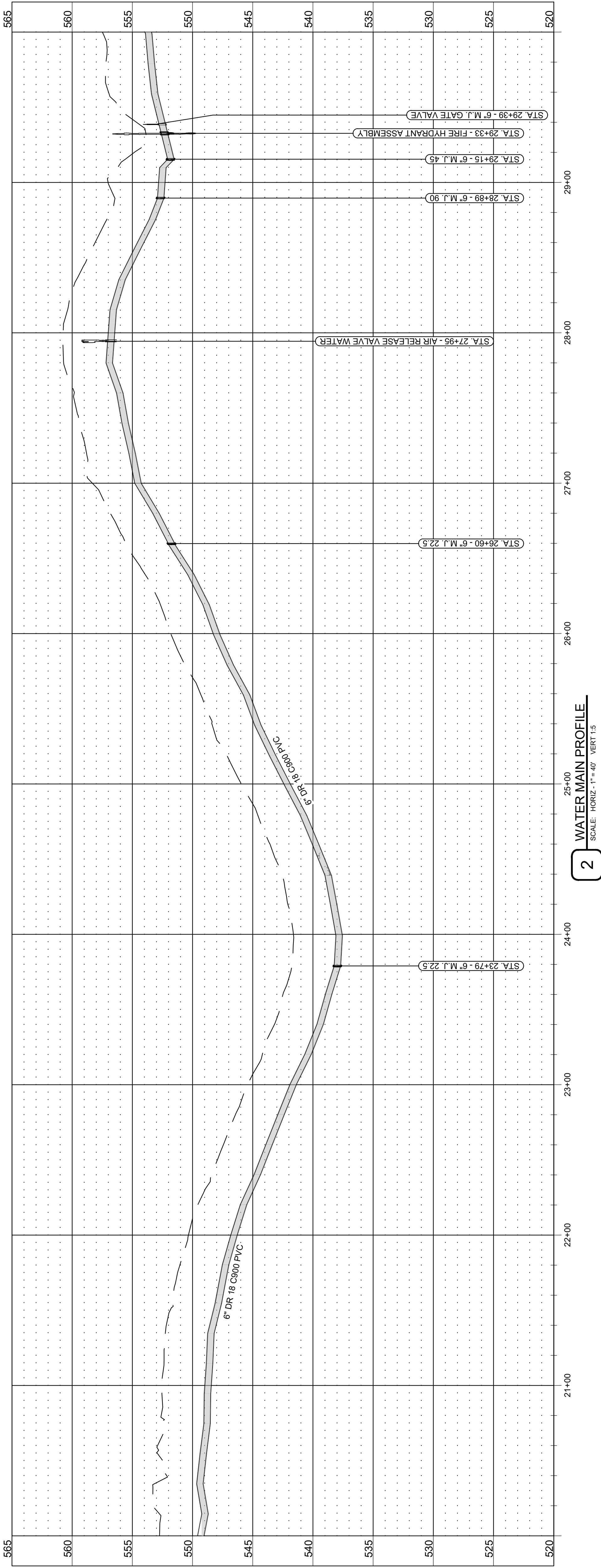
1 WATER MAIN PLAN
SCALE: 1" = 40'



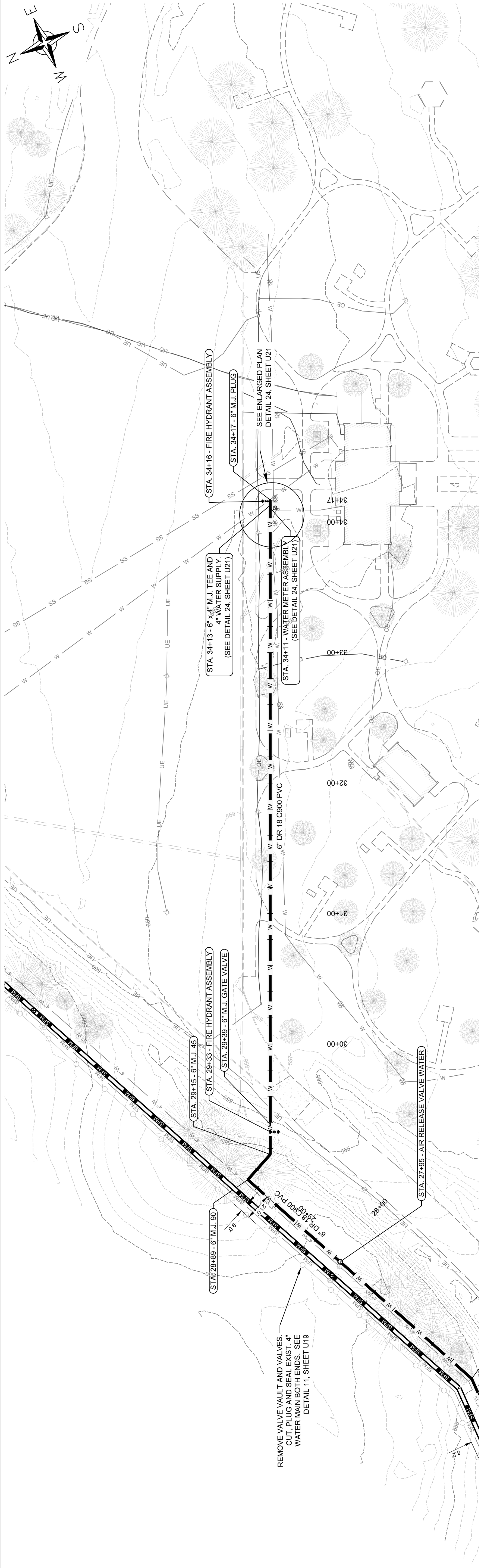
2 WATER MAIN PROFILE
SCALE: HORIZ. 1" = 40' VERT. 1" = 5'



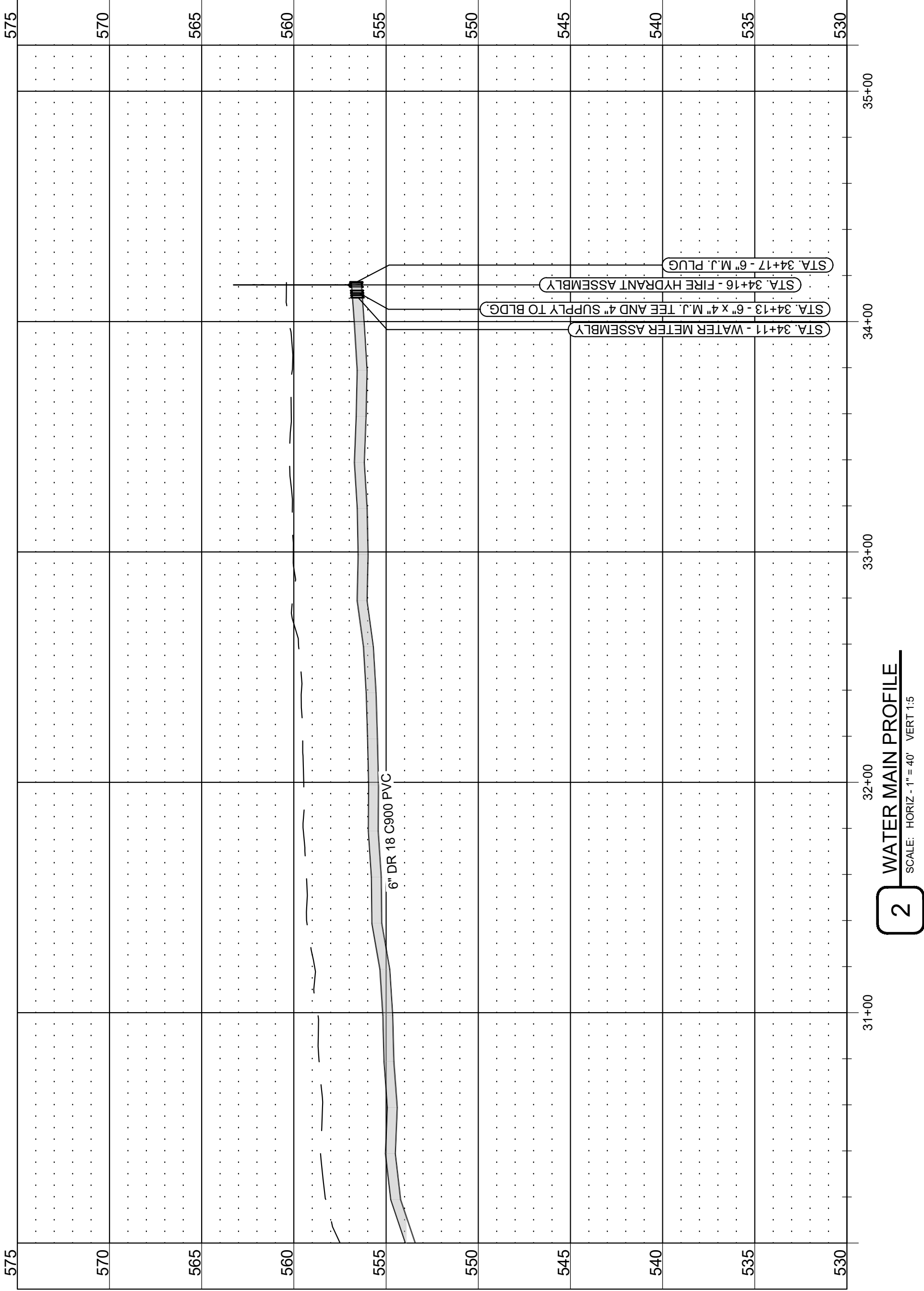
1 WATER MAIN PLAN
SCALE: 1" = 40'



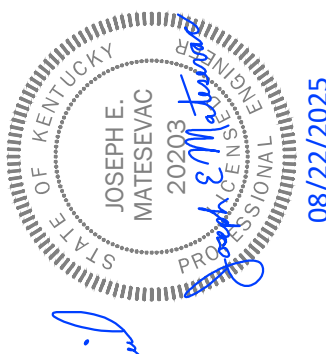
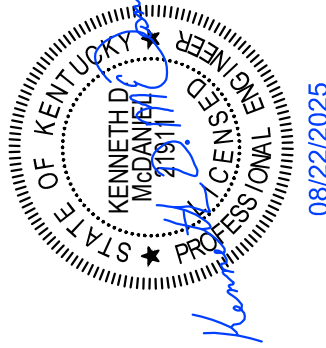
2 WATER MAIN PROFILE
SCALE: HORIZ. 1" = 40' VERT 1" = 5'

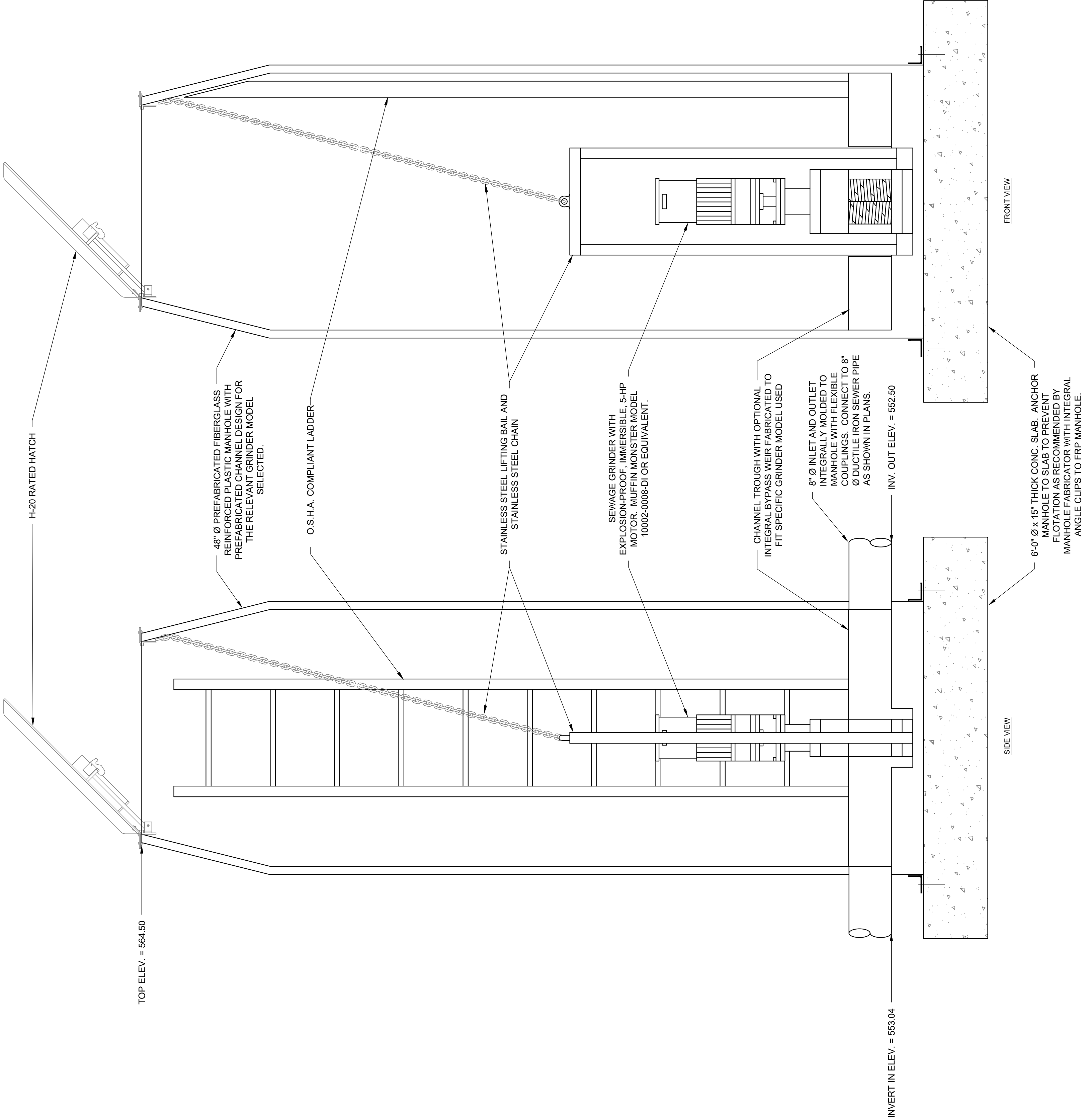


1 WATER MAIN PLAN
SCALE: 1"= 40'



2 WATER MAIN PROFILE
SCALE: HORIZ. 1"= 40' VERT 1:5



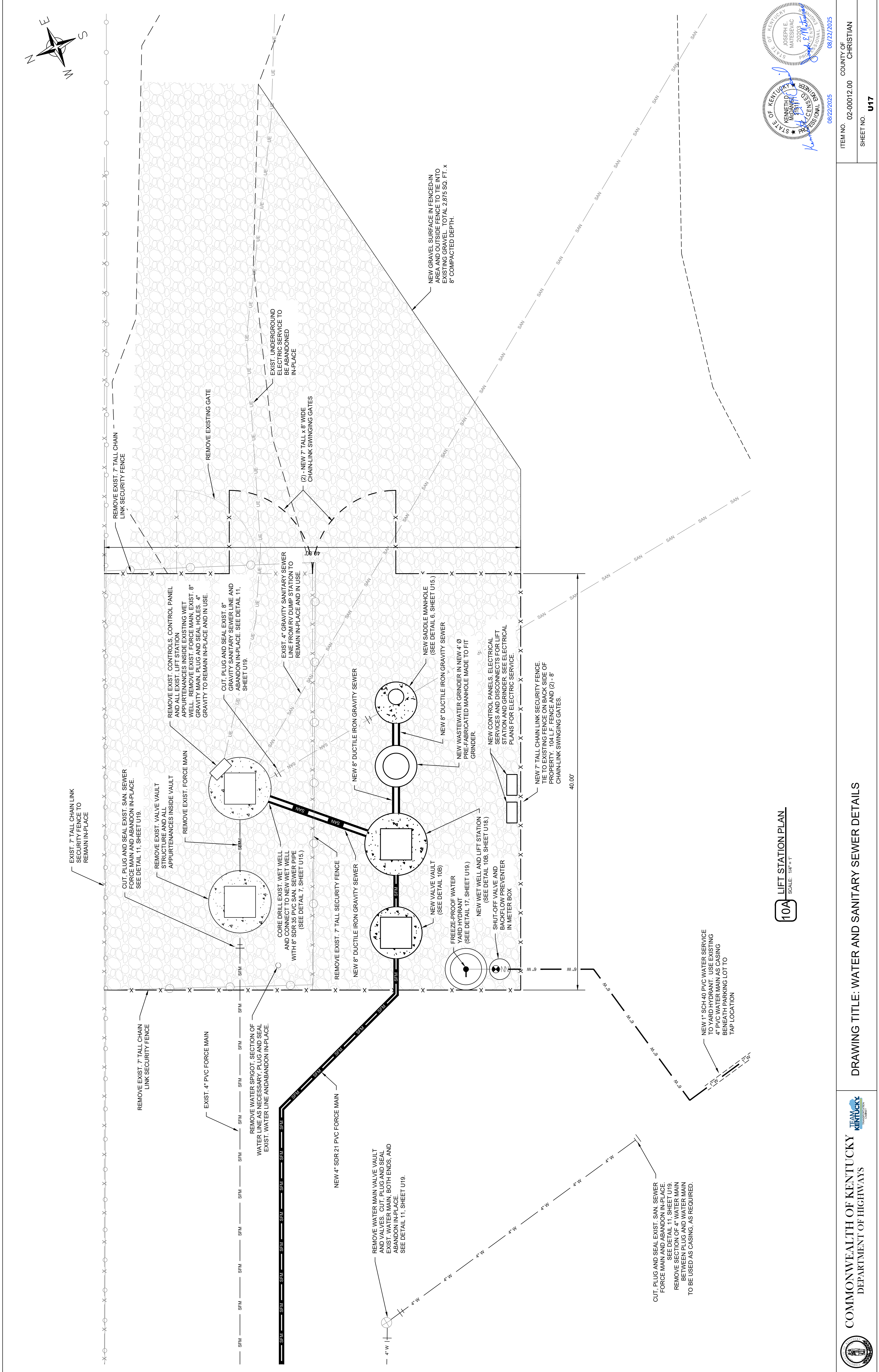


28 SAN SEWER GRINDER MANHOLE
SCALE: N.T.S.

STATE OF KENTUCKY
JOSEPH E. MATSEVAG
20203
PROFESSIONAL ENGINEER
08/22/2025

STATE OF KENTUCKY
JOSEPH E. MATSEVAG
20203
PROFESSIONAL ENGINEER
08/22/2025

ITEM NO. 02-00012.00
COUNTY OF CHRISTIAN
SHEET NO. U16





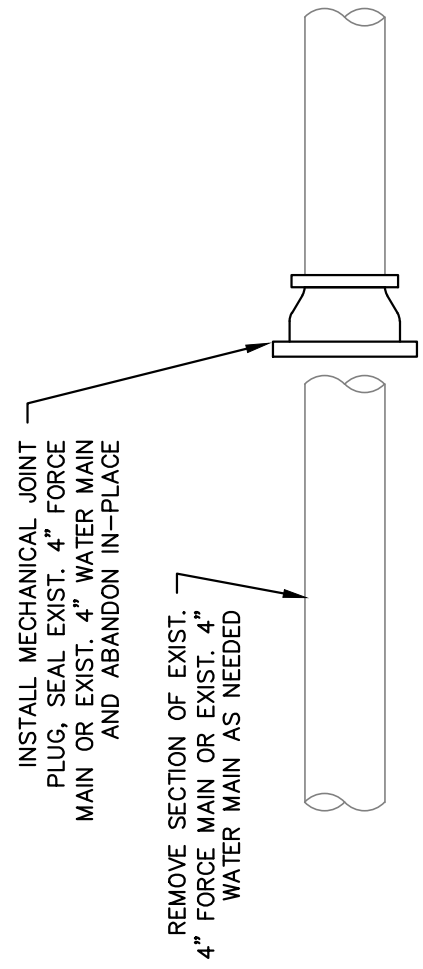
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY
TRANSPORTATION COMPACT

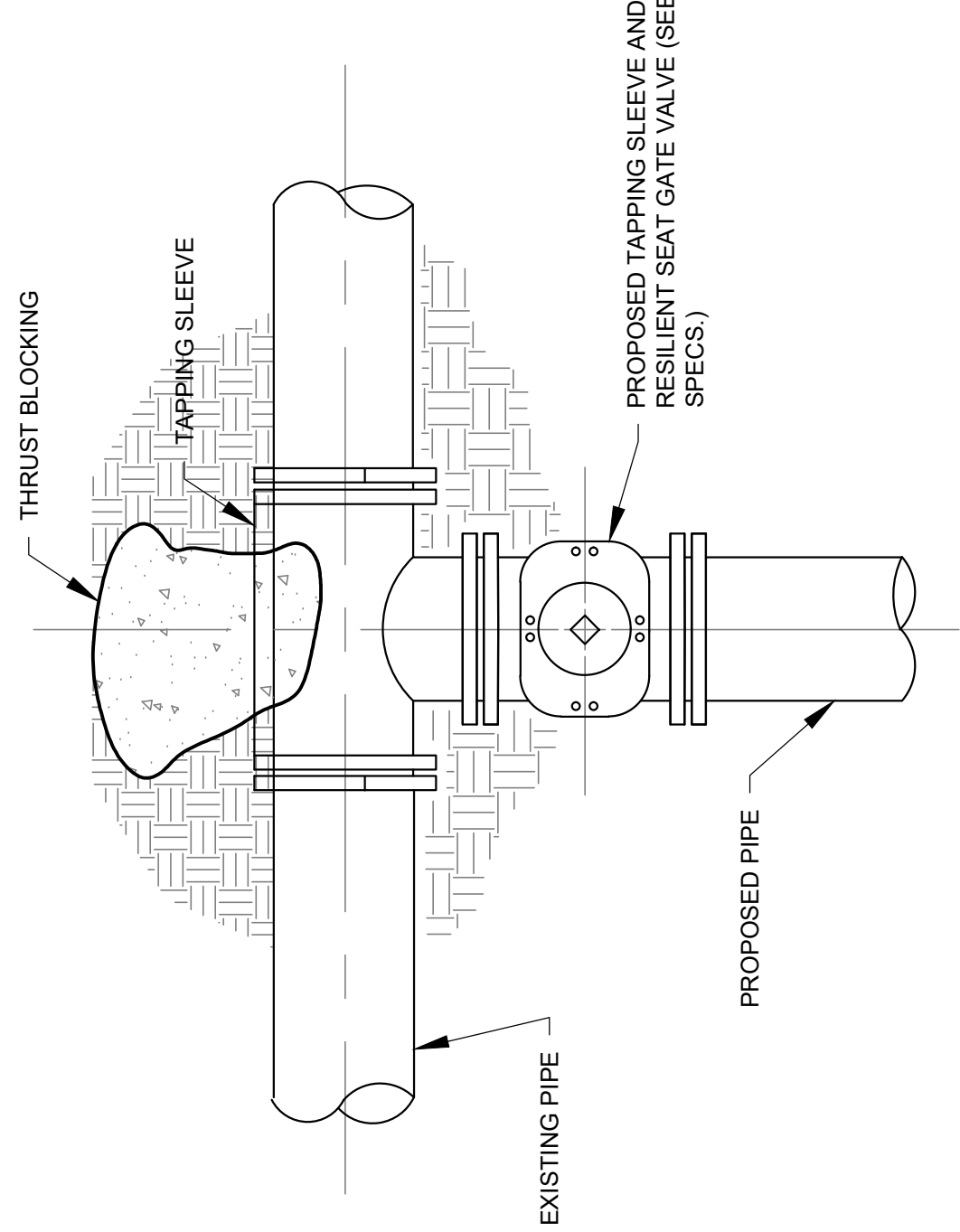
DRAWING TITLE: WATER AND SANITARY SEWER DETAILS

ITEM NO.	02-00012.00	COUNTY OF CHRISTIAN
SHEET NO.	U17	



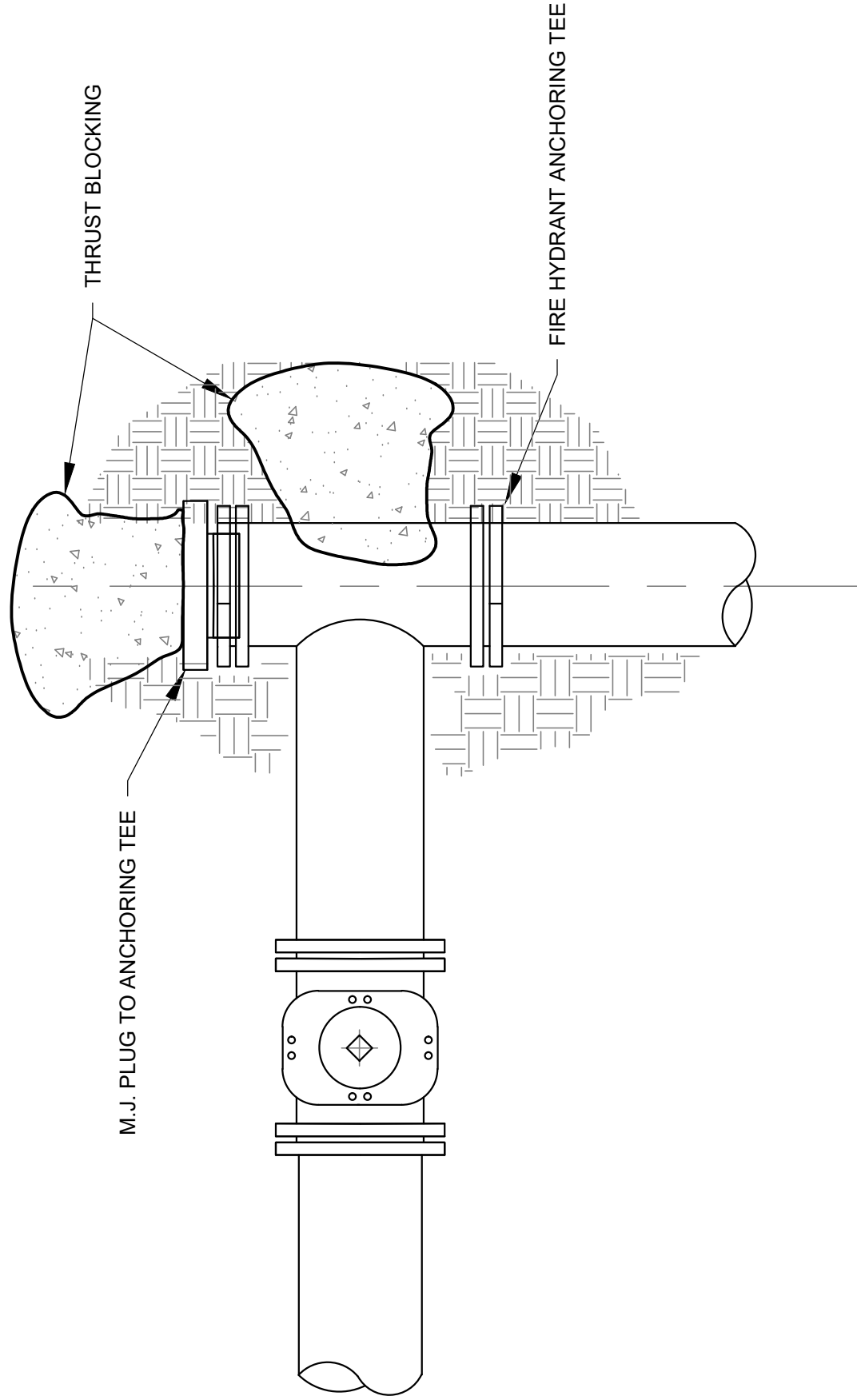
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DETAIL OF ABANDONING EXISTING WATER MAIN OR FORCE MAIN



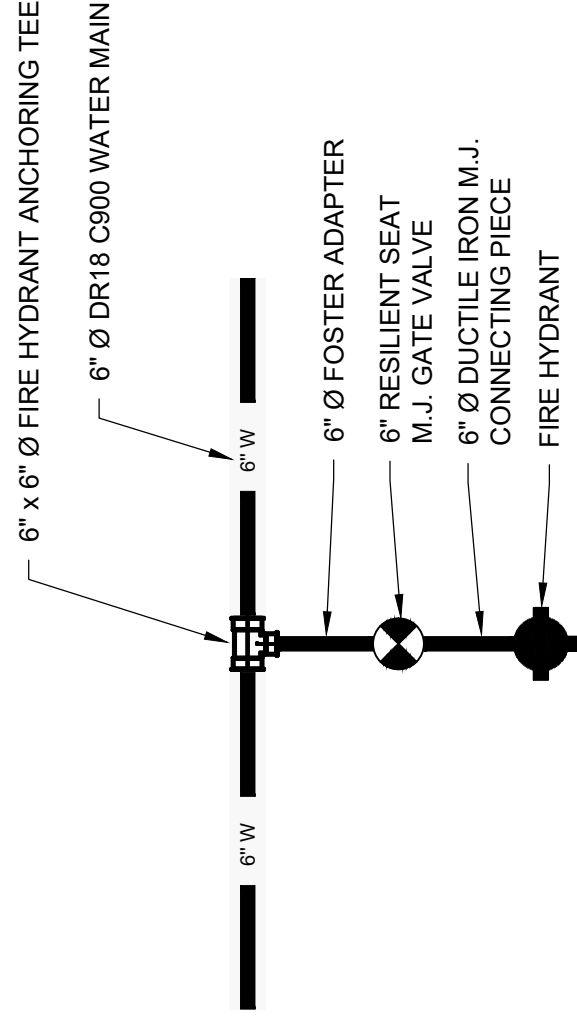
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TYPICAL TAPPING VALVE INSTALLATION DETAIL



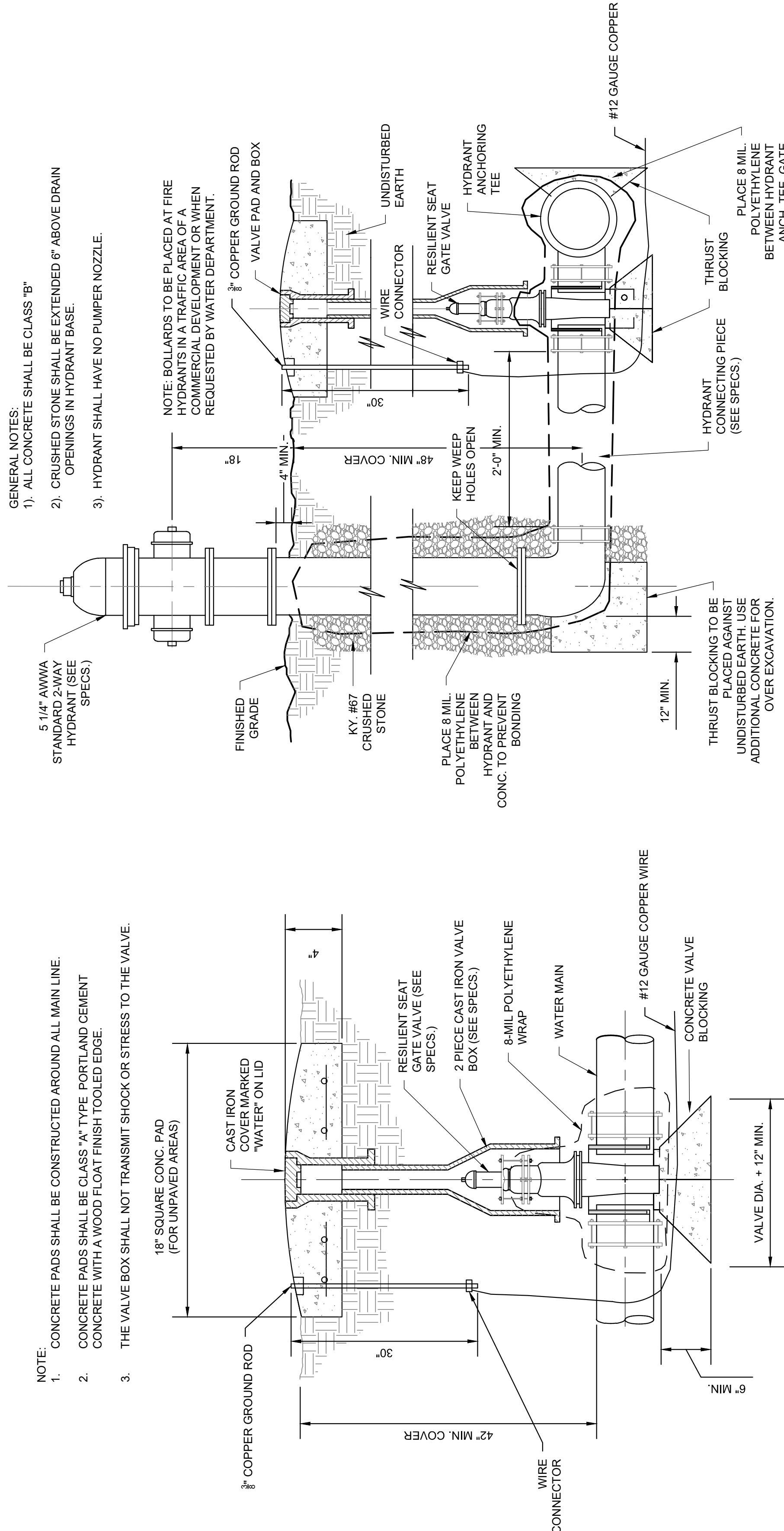
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WATER MAIN TERMINATION



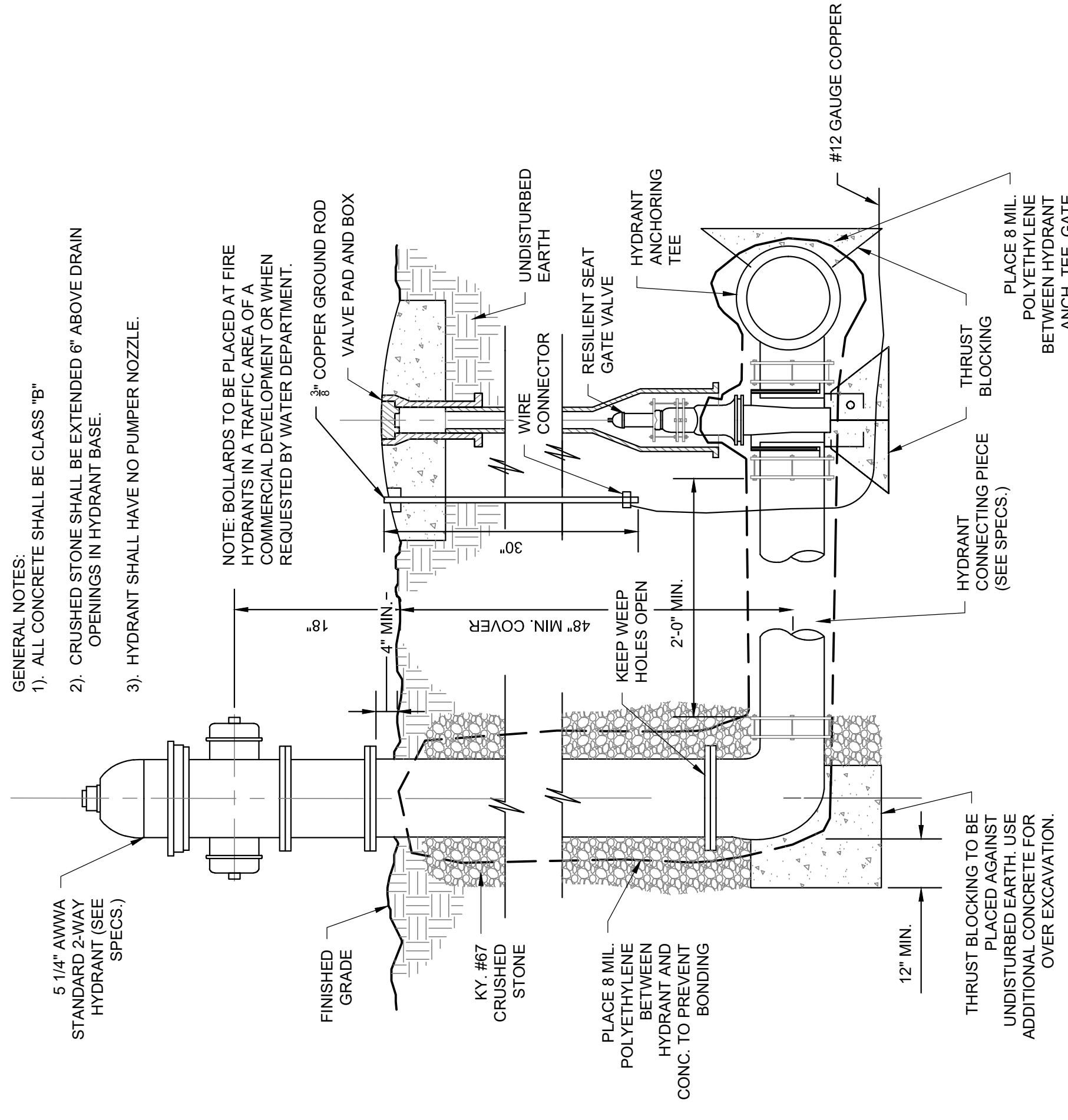
14
SCALE: N.T.S.

TYPICAL FIRE HYDRANT ASSEMBLY



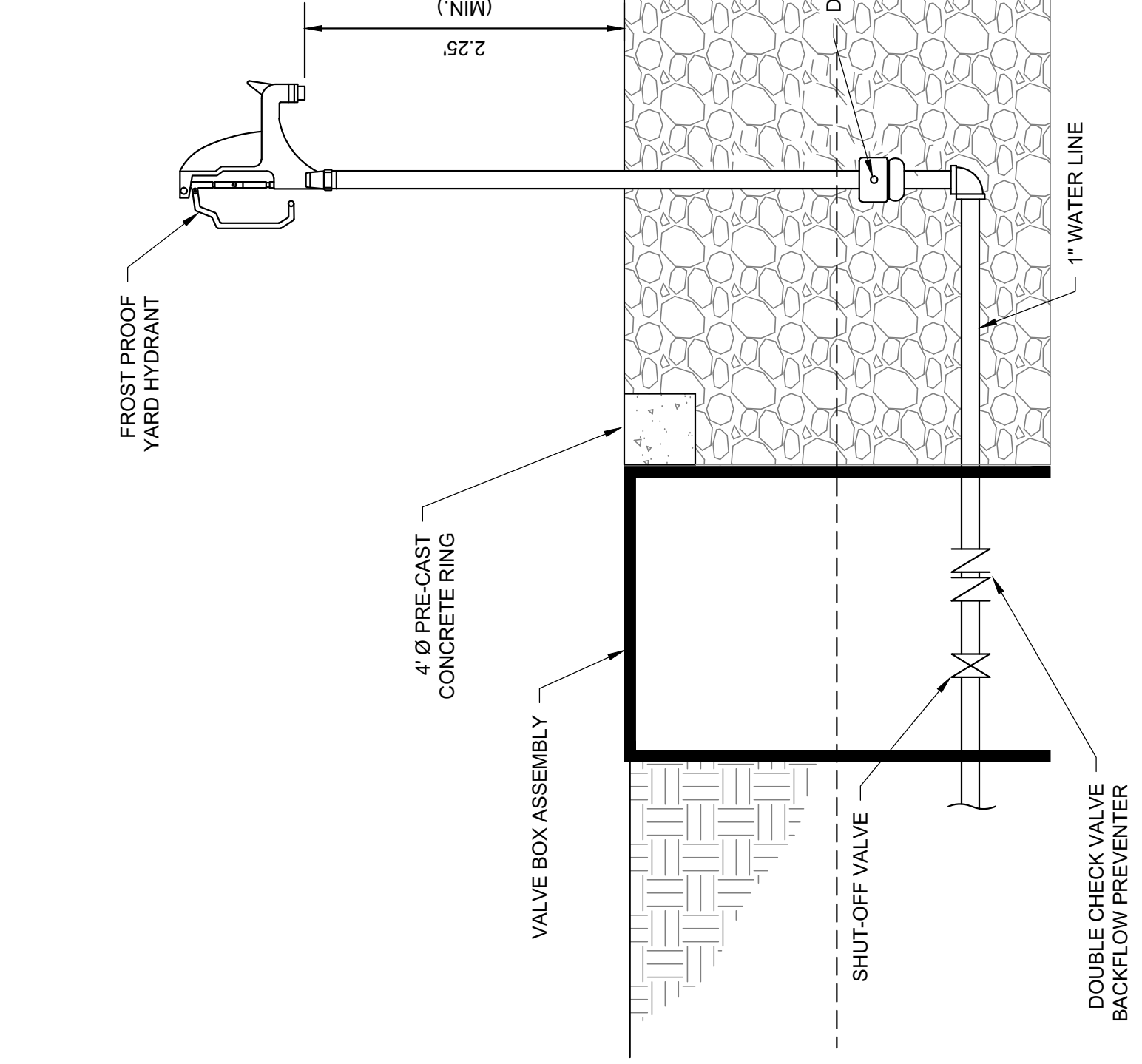
15
SCALE: N.T.S.

TYPICAL GATE VALVE AND BOX COLLAR



16
SCALE: N.T.S.

WATER HYDRANT PLACEMENT DETAILS



17
SCALE: 1\"/>

WATER YARD HYDRANT

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMP	VOLTAGE	INPUT WATTS	MOUNTING	FINISH	REMARKS	NOTES
AA	LITHONIA OR EQUAL	DSX0 LED P1 50K 80CRI 14M 120 RPA PER	LED	120	34.0	POLE	OWNER TO SELECT	D-SERIES SIZE 0 AREA LUMINAIRE	A,B,C

GENERAL NOTES:

- 1

ALL LAMPS SHALL BE 5000K, 80 OR UNLESS NOTED OTHERWISE.
- 2

PRIOR APPROVAL REQUIRED A MINIMUM OF 10 DAYS PRIOR TO BID - EQUALS TO BE LISTED BY APPEND A.
- 3

OTHER LIGHT FIXTURES MANUFACTURERS THAT ARE CONSIDERED AS EQUALS FOR GENERAL LIGHTING REQUIREMENTS ARE:
A. COOPER LIGHTING AND SUB-PRODUCT LINES AS SUPPLIED BY JAW LIGHTING.
B. ACUTY BRAND AND SUB-PRODUCT LINES AS SUPPLIED BY LHI LIGHTING SALES.
C. HUBBELL LIGHTING AND SUB-PRODUCT LINES AS SUPPLIED BY LUMENATION.
D. WILLIAMS LIGHTING AND SUB-PRODUCT LINES AS SUPPLIED BY SESCO LIGHTING.
ALL LIGHT FIXTURES SHALL BE SUBJECT TO SHOP DRAWING REVIEW BY THE ENGINEER FOR ACCEPTANCE AS TO ENERGY EFFICIENCY, APPEARANCE, STYLE, PERFORMANCE, AND OVER ALL SERVICEABILITY.

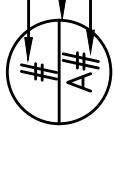
SPECIAL NOTES:

- A

LIGHT FIXTURE SHALL BE FURNISHED WITH POLE EQUAL TO LITHONIA RSS 20'. THE POLE COLOR SHALL MATCH THE FIXTURE COLOR.
- B

LIGHT FIXTURE SHALL BE FURNISHED WITH PHOTOCCELL EQUAL TO LITHONIA DILLI 127F 1.5UJ
- C

FINISH TO BE SELECTED BY THE OWNER DURING SHOP DRAWINGS PROCESS. FURNISH COLOR BROCHURE FOR SELECTIONS, AS APPLICABLE.

ELECTRICAL NOTES AND TAGS	
	ELECTRICAL DETAIL NUMBER ELECTRICAL DETAIL TAG DRAWING WHERE DETAIL IS ILLUSTRATED
	ELECTRICAL CONSTRUCTION NOTE
	ELECTRICAL DEMOLITION NOTE
	WIRING AND RACEWAY HOME RUN BACK TO POWER SOURCE ABOVE SLAB. (SEE PLAN VIEW FOR CIRCUIT TAG)

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
BTM	BOTTOM
EC	ELECTRICAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTING DEVICE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NFDS	NON-FUSED DISCONNECT SWITCH
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF DEVICE - WEATHER RESISTANT RATED

Electrical DP1 Schedule

Electrical DP1 Schedule											
VOLTS/PHASE/WIRE: 120/208/3/4		PANEL SIZE: 200 A		MAIN TYPE & SIZE: 200 A MCB ----				CABINET: SURFACE		MIN SCC: 22000	FED FROM: ----
CIRCUIT NO.	AREA SERVED	TRIP AMPS	NO. POLES	PHASE LOAD VA			NO. POLES	TRIP AMPS	AREA SERVED	CIRCUIT NO.	
				A 4729	B 4729	C 4729					
1,3,5	LIFT STATION PUMPS	50	3	2627	2627	2627	3	35	GRINDER PUMP	2,4,6	
7,9	SPARE	20	2	0	0	0				8,10	
11	FREE STANDING RACK	20	1	0	0	0	2	20	SPARE		
13	SPARE	20	1	0	0	0	1	20	SITE LIGHTING	12	
15	SPARE	20	1	0	0	0	1	20	SPARE	14	
17	SPARE	20	1	0	0	0	1	20	SPARE	16	
19	SPARE	20	1	0	0	0	1	20	SPARE	18	
21	SPARE	20	1	0	0	0	1	20	SPARE	20	
23	SPARE	20	1	0	0	0	1	20	SPARE	22	
25	SPARE	20	1	0	0	0	1	20	SPARE	24	
27	SPARE	20	1	0	0	0	1	20	SPARE	26	
29	SPARE	20	1	0	0	0	1	20	SPARE	28	
CONNECTED LOAD				0	0	0	1	20	SPARE	30	
LOAD CATEGORY				CONN. LOAD		DEMAND FACTOR		EST. LOAD			
Lighting - Exterior				0.0		1.25		0.0			
Motors				14.2		1.00		14.2			
Motors (Largest)				7.9		1.25		9.9			
Receptacles (0 - 10 KVA)				0.2		1.00		0.2			
TOTAL				22.3				24.3			

GENERAL SITE DEMOLITION NOTES

- 1

THESE PLANS ARE SCHEMATIC IN NATURE AND INDICATE THE APPROXIMATE AND GENERAL LOCATION OF THE WORK. CONTRACTOR SHALL PERFORM WORK THROUGH COORDINATION WITH OTHER TRADES AND TO SUIT FIELD CONDITIONS, WHILE EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL MAJOR EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE, DE-ENERGIZE, AND/OR PROPERLY TERMINATE EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES WITHIN THIS SCOPE OF WORK. WHERE SPECIFICALLY INDICATED OR NOT, IT IS THE INTENT OF THIS SCOPE OF WORK TO PROVIDE A COMPLETE AND REMOVAL OF ALL EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES THAT ARE RENDERED UNUSED OR OBSOLETE BY NEW WORK.
- 2

USE EXTREME CAUTION WHEN EXCAVATING. UNDERGROUND UTILITIES ILLUSTRATED ARE APPROXIMATE AND ARE SHOWN TO ALERT CONTRACTOR TO THEIR PRESENCE. CONTRACTOR MUST LOCATE/VERIFY UTILITIES BY HAND EXCAVATION.
- 3

ALL DEMOLITION SHALL COMPLY WITH OSHA AND OTHER APPROPRIATE SAFETY STANDARDS.
- 4

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND BACKFILL REQUIRED FOR COMPLETE DEMOLITION OF ALL WORK AS SPECIFIED. PROVIDE BARRICADES, SHORING, BRACING, DE-WATERING EQUIPMENT AND ETC. AS REQUIRED. CONDUCT EXCAVATION SO THAT WALLS, FOOTINGS AND ADJOINING PROPERTY ARE NOT DISTURBED OR INJURED. PROPERLY DISPOSE OF SPOILS OFF-SITE UNLESS OTHERWISE NOTED.
- 5

THE INTENT OF THE DEMOLITION SCOPE OF WORK IS TO REMOVE ALL UNNECESSARY/OBSOLETE INSTALLATIONS FROM THE LIMITS OF CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL OF ALL EXISTING UTILITIES, EQUIPMENT, AND ASSOCIATED APURTENANCES. VERIFY THE MAGNITUDE OF THE SCOPE OF WORK AND SHOULD NOT BE THE BASIS OF PROPOSAL. ALL INSTALLATIONS RENDERED OBSOLETE OR IN CONFLICT WITH PROPOSED NEW WORK SHALL BE REMOVED/RELOCATED WHETHER EXPLICITLY DERICTED OR NOT. ADDITIONAL SELECTIVE DEMOLITION MAY ALSO BE REQUIRED FOR EXISTING EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES WHICH IMPEDE OR OTHERWISE CONFLICT WITH NEW WORK THAT IS NOT SPECIFICALLY INDICATED. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE, DE-ENERGIZE, AND/OR PROPERLY TERMINATE EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES WITHIN THIS SCOPE OF WORK WHETHER SPECIFICALLY INDICATED OR NOT.
- 6

DEMOLITION DRAWINGS ARE INTENDED TO GENERALLY SHOW THE DEMOLITION/RELOCATION NECESSARY TO COMPLETE THE PROPOSED NEW WORK. COORDINATE ALL OUTAGES WITH THE APPLICABLE UTILITY COMPANY.
- 7

EXISTING INSTALLATIONS WITHIN THE BOUNDS OF THE PROPOSED NEW WORK ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS THEREOF. THE ENGINEER ACCEPTS NO LIABILITY FOR SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.
- 8

EXISTING UTILITIES SHALL BE MODIFIED AS NECESSARY DURING CONSTRUCTION TO PROVIDE UNINTERRUPTED SERVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS (HORIZONTAL AND VERTICAL) PRIOR TO CONSTRUCTION ACTIVITIES. PROTECT ELECTRICAL SERVICES AND UTILITIES WHERE REMOVAL/MODIFICATION OF EXISTING UTILITIES IS INDICATED.
- 9

PROVIDE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES/STRUCTURES THAT REMAIN IN PLACE TO BE REUSED OR TO REMAIN THE PROPERTY OF THE OWNER. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST.
- 10

ALL MATERIALS AND EQUIPMENT REMOVED AND NOT REUSED SHALL BE REMOVED FROM THE PROPERTY AND PROPERLY DISPOSED OF. PROPERLY STORE MATERIALS AND EQUIPMENT TO BE REUSED OR RELOCATED TO PREVENT DAMAGE AND REINSTALL AS THE WORK PROGRESSES.
- 11

AREAS OUTSIDE THE DEMOLITION LIMITS HAVE OCCUPIED STRUCTURES. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF RESIDENTS AND ADJACENT PROPERTY.
- 12

ALL EXCESS DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY IN A LANDFILL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 13

RE-LABEL AS 'SPARE' ALL EXISTING DEVICES OR EQUIPMENT THAT HAVE BEEN DISCONNECTED.

GENERAL ELECTRICAL NOTES

- GENERAL

1 THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW THE GENERAL ARRANGEMENT OF EQUIPMENT. THE DRAWINGS SHALL NOT BE SCALED FROM. 2 ALL WORK IS TO BE COORDINATED WITH ALL OTHER TRADES ON THIS PROJECT AND ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION. 3 ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ANY APPLICABLE NATIONAL CODES WHICH APPLY AS INTERPRETED BY THE AHI (AUTHORITY HAVING JURISDICTION). 4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND DRAWINGS PRIOR TO BIDDING. ANY DISCREPANCIES OR QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER NINE (9) DAYS PRIOR TO THE BID DATE. 5 CONTRACTOR SHALL CUT AND PATCH AS REQUIRED DURING THE COURSE OF INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE USER OF THE CONTRACTOR SHALL BE RETAINED TO PERFORM PATCHING AND THE COSTS BORNE BY THE CONTRACTOR REQUIRING THE PATCH. 6 RACEWAY FILL WHEN RACEWAY SIZE IS NOT SPECIFICALLY INDICATED, SHALL BE BASED ON APPLICABLE ARTICLES OF THE NEC. 7 CONTRACTOR SHALL REFERENCE THE PROJECT SITE PLANS ALL UTILITIES. COORDINATE ALL EXCAVATIONS AND BACKFILL REQUIRED FOR COMPLETE DEMOLITION OF ALL WORK AS SPECIFIED. PROVIDE BARRICADES, SHORING, BRACING, DE-WATERING EQUIPMENT AND ETC. AS REQUIRED. CONDUCT EXCAVATION SO THAT WALLS, FOOTINGS AND ADJOINING PROPERTY ARE NOT DISTURBED OR INJURED. PROPERLY DISPOSE OF SPOILS OFF-SITE UNLESS OTHERWISE NOTED. 8 THE INTENT OF THE DEMOLITION SCOPE OF WORK IS TO REMOVE ALL UNNECESSARY/OBSOLETE INSTALLATIONS FROM THE LIMITS OF CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL OF ALL EXISTING UTILITIES, EQUIPMENT, AND ASSOCIATED APURTENANCES. VERIFY THE MAGNITUDE OF THE SCOPE OF WORK AND SHOULD NOT BE THE BASIS OF PROPOSAL. ALL INSTALLATIONS RENDERED OBSOLETE OR IN CONFLICT WITH PROPOSED NEW WORK SHALL BE REMOVED/RELOCATED WHETHER EXPLICITLY DERICTED OR NOT. ADDITIONAL SELECTIVE DEMOLITION MAY ALSO BE REQUIRED FOR EXISTING EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES WHICH IMPEDE OR OTHERWISE CONFLICT WITH NEW WORK THAT IS NOT SPECIFICALLY INDICATED. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE, DE-ENERGIZE, AND/OR PROPERLY TERMINATE EQUIPMENT, UTILITY SERVICES, AND ASSOCIATED APURTENANCES WITHIN THIS SCOPE OF WORK WHETHER SPECIFICALLY INDICATED OR NOT. 9 DEMOLITION DRAWINGS ARE INTENDED TO GENERALLY SHOW THE DEMOLITION/RELOCATION NECESSARY TO COMPLETE THE PROPOSED NEW WORK. COORDINATE ALL OUTAGES WITH THE APPLICABLE UTILITY COMPANY. 10 EXISTING INSTALLATIONS WITHIN THE BOUNDS OF THE PROPOSED NEW WORK ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS THEREOF. THE ENGINEER ACCEPTS NO LIABILITY FOR SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. 11 EXISTING UTILITIES SHALL BE MODIFIED AS NECESSARY DURING CONSTRUCTION TO PROVIDE UNINTERRUPTED SERVICE. CONTRACTOR SHALL VERIFY ALL LOCATIONS (HORIZONTAL AND VERTICAL) PRIOR TO CONSTRUCTION ACTIVITIES. PROTECT ELECTRICAL SERVICES AND UTILITIES WHERE REMOVAL/MODIFICATION OF EXISTING UTILITIES IS INDICATED. 12 PROVIDE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING UTILITIES/STRUCTURES THAT REMAIN IN PLACE TO BE REUSED OR TO REMAIN THE PROPERTY OF THE OWNER. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST. 13 ALL MATERIALS AND EQUIPMENT REMOVED AND NOT REUSED SHALL BE REMOVED FROM THE PROPERTY AND PROPERLY DISPOSED OF. PROPERLY STORE MATERIALS AND EQUIPMENT TO BE REUSED OR RELOCATED TO PREVENT DAMAGE AND REINSTALL AS THE WORK PROGRESSES. 14 AREAS OUTSIDE THE DEMOLITION LIMITS HAVE OCCUPIED STRUCTURES. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF RESIDENTS AND ADJACENT PROPERTY. 15 ALL EXCESS DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY IN A LANDFILL APPROVED BY THE AUTHORITY HAVING JURISDICTION. 16 RE-LABEL AS 'SPARE' ALL EXISTING DEVICES OR EQUIPMENT THAT HAVE BEEN DISCONNECTED.
- CONDUCTORS - CIRCUITING

1 ALL CONDUCTORS OF THE ELECTRICAL SYSTEM SHALL BE COPPER, 600V, THW/THWN AND SIZED AS REQUIRED FOR LOADING AND PER CODE. 2 ALL UNDERGROUND CONDUCTORS AND SPLICES MUST BE LISTED AS SUITABLE FOR WET LOCATIONS. 3 IDENTIFICATION OF CONDUCTORS SHALL BE IN COMPLIANCE WITH NEC 210.5. 4 NEUTRAL CONDUCTORS SHALL NOT BE SHARED FOR BETWEEN MULTIPLE SINGLE PHASE CIRCUITS OF A 3-PHASE, 4-WIRE HOME RUN - NEUTRALS SHALL BE DEDICATED PER CIRCUIT - REFER TO NEC ARTICLE 200.4. (FOR 3 PHASE SYSTEMS ONLY) 5 CIRCUIT ROUTING, IN GENERAL, IS NOT SPECIFIED. CONTRACTOR SHALL COORDINATE ROUTING LENGTH WITH CONNECTED LOAD AND ADJUST CONDUCTOR SIZE FOR A VOLTAGE DROP LESS THAN 3%.
- CONDUIT

1 ALL CONDUIT SHALL BE RMC AND LMC WHEN INSTALLED OUTDOORS (UNLESS SPECIFICALLY OTHERWISE INDICATED). 2 WHEN INSTALLED IN CONCRETE OR BELOW GRADE, ALL CONDUIT MAY BE RMC-40.
- EQUIPMENT INSTALLATIONS

1 CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL EQUIPMENT TO MAINTAIN ACCESS REQUIRED BY THE NEC AND EQUIPMENT MANUFACTURERS. 2 CONTRACTOR SHALL PROVIDE ALL LABORS AND MATERIAL TO CONNECT EQUIPMENT SPECIFIED AS PART OF THIS PROJECT AND SHALL REVIEW ALL PARTS OF THE CONSTRUCTION DOCUMENTS FOR LOCATION AND QUANTITIES. 3 CONTRACTOR SHALL BE REQUIRED TO FABRICATE AND INSTALL ANY NECESSARY STANCHION MOUNTS FOR ALL ELECTRICAL EQUIPMENT THAT IS NECESSARY TO COMPLETE THEIR WORK. 4 SERVICE VOLTAGE AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN. DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND EQUIPMENT REQUIREMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE ANY ASSOCIATED WORK IS INSTALLED. 5 FINAL CONNECTIONS TO ALL EQUIPMENT WHICH PRODUCE VIBRATION SHALL BE WITH FLEXIBLE METAL CONDUIT SUITABLE FOR THE SURROUNDING ENVIRONMENT. CONDUIT TURNING UP FROM BELOW GRADE OR FROM WITHIN CONCRETE SHALL BE RMC.
- LABELING

1 THE CONTRACTOR SHALL FURNISH AND INSTALL LABELING ON ELECTRICAL DISTRIBUTION EQUIPMENT TO INDICATE MAXIMUM AVAILABLE FAULT CURRENT AS REQUIRED BY NEC 110.24. 2 EACH WIRING DEVICE SHALL BE LABELED AT THE FACEPLATE. EACH LABEL SHALL CONSIST OF THE PANEL NAME AND CIRCUIT NUMBER. THE CHARACTERS SHALL BE A MINIMUM OF 3/16" HIGH. 3 INDEXES OF ELECTRICAL PANELS SHALL BE COMPLETED FOR EACH CIRCUIT. ARC FLASH WARNING LABELS SHALL BE APPLIED ON ALL EQUIPMENT PER NEC 110.24. LABELS AND TAGS AS DETAILED SHALL BE PLACED ON ALL PANELS, STARTERS, DISCONNECTS, AND ETC. 4 RECEPTACLES 1 ALL GFCI RECEPTACLES SHALL BE INSTALLED IN READILY ACCESSIBLE LOCATIONS. RECEPTACLES INSTALLED AT EXTERIOR BUILDINGS LOCATIONS SHALL BE WEATHER-RESISTANT RATED PER REQUIREMENTS OF NEC ARTICLE 406.9 AND SHALL HAVE A CAST ALUMINUM WEATHER-RESISTANT WHILE-IN-USE PROTECTIVE COVER. 2 ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. THE INTENT IS TO EXCEED THE MINIMUM CODE REQUIRED BY NEC 406.12 IN ORDER TO PROVIDE ADDITIONAL SAFETY.

UTILITY CONTACT

ELECTRIC:	PENNYRILE ELECTRIC 2441 MAIN STREET CADIZ, KY 42211 ATTN: JORDAN PERRY PH: 270.886.2555
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ELECTRICAL
DEMOLITION TAG NOTES

(APPLIES TO THIS DRAWING ONLY)

#	UPON COMPLETION OF INSTALLATION OF LIFT STATION, THE POWER CONNECTION TO THE EXISTING LIFT STATION SHALL BE REMOVED IN ITS ENTIRETY. ALL EXISTING CONDUITS SHALL BE REMOVED OR REINSTALLED TO THE SOURCE. ALL UNDERGROUND CONDUIT SHALL BE CAPPED AND ABANDONED BELOW GRADE.
1	

ELECTRICAL
CONSTRUCTION TAG NOTES

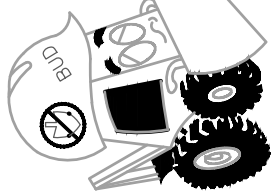
(APPLIES TO THIS DRAWING ONLY)

#	DIRECTIONAL BORE CONDUIT UNDERGROUND FROM EXISTING UTILITY POLE LOCATED ON SITE TO METER BASE TO BE INSTALLED ON FREE-STANDING RACK. CONDUIT SHALL BE INSTALLED ACCORDING TO UTILITY COMPANY STANDARDS. REFER TO RISER DIAGRAM FOR CONDUIT REQUIREMENTS.
1	
2	INSTALL POWER CONNECTION TO LIFT STATION PUMP MOTORS AS REQUIRED BY THE MANUFACTURER. ALL CIRCUITRY SHALL BE ROUTED BACK TO LIFT STATION LOCATION. ALL CIRCUITRY SHALL BE INSTALLED ON FREE STANDING RACK ADJACENT TO THE ELECTRICAL PANEL.
3	INSTALL POWER CONNECTION TO LIFT STATION GRINDER PUMP AS REQUIRED BY THE MANUFACTURER. ALL CIRCUITRY SHALL BE ROUTED BACK TO LIFT STATION LOCATION. ALL CIRCUITRY SHALL BE INSTALLED ON FREE STANDING RACK ADJACENT TO THE ELECTRICAL PANEL.
4	CONTRACTOR SHALL RECEIVE LIFT STATION AND GRINDER CONTROL PANELS FROM THE RESPECTIVE CONTRACTOR AND INSTALL ON FREE-STANDING RACK ADJACENT TO THE ELECTRICAL PANEL. REFER TO PANEL SCHEDULE FOR ALL CIRCUITRY REQUIRED TO BE ROUTED BETWEEN ELECTRICAL PANEL AND THE CONTROL PANEL.
5	RECEPTACLE SHALL BE INSTALLED SURFACE MOUNTED IN CAST JUNCTION BOX ON FREE-STANDING RACK BELOW PANEL. COORDINATE PLACEMENT OF DEVICE WITH ALL CONDUITS BEING ROUTED TO AVOID CONFLICT.



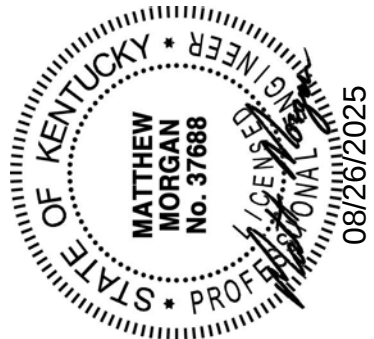
PROJECT NORTH
SITE PLAN
SCALE: 1" = 50'-0"

BURIED UTILITIES NOTE
BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND VERIFY EXACT LOCATION OF BURIED UTILITIES PRIOR TO EXCAVATION OPERATIONS.



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COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

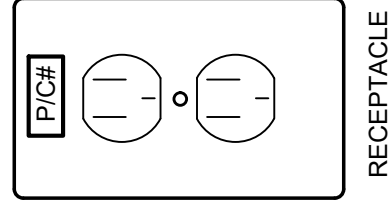


ELECTRICAL SITE PLAN

ITEM NO. 02-00012.00 COUNTY OF CHRISTIAN
SHEET NO. U23

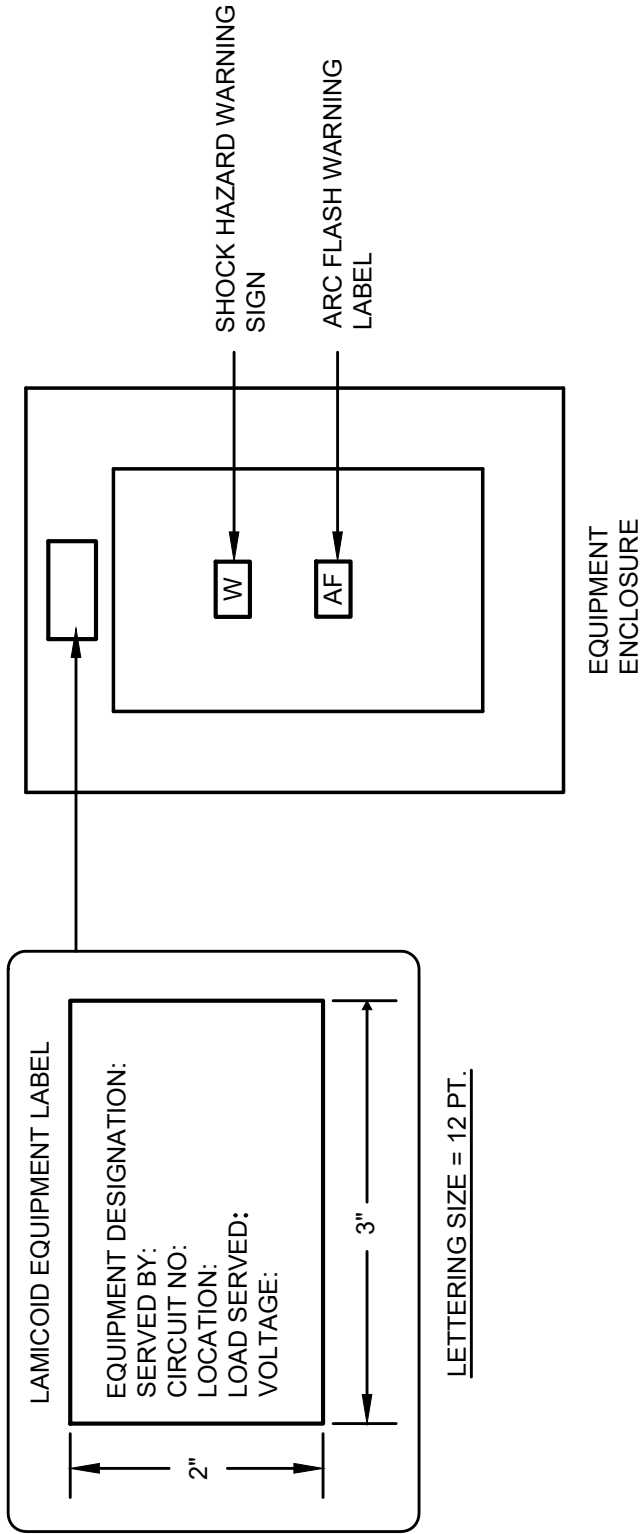
TYPICAL WIRING DEVICES - LABEL THE FACEPLATE INDICATING PANEL NAME AND CIRCUIT NUMBER (P/C#). THE CHARACTERS SHALL BE A MINIMUM OF 3/16" HIGH.

REFER TO ELECTRICAL SPECIFICATIONS FOR
WIRING DEVICE AND COVERPLATE COLOR/TY
SELECTIONS.



ELECTRICAL WIRING DEVICE IDENTIFICATION

NO SCALE



ELECTRICAL EQUIPMENT LABEL/IDENTIFICATION

NO SCALE

ELECTRICAL FEEDER SCHEDULE (CU)

FEEDER CODE	CONDUTIVITWIRE DESCRIPTION	TEMP RATING	FEEDER CODE	CONDUTIVITWIRE DESCRIPTION	TEMP RATING	CONDUTIVITWIRE DESCRIPTION	TEMP RATING
(2) 20-2WG	3/4"C-3#12	75°C	200-3W	2-1/2"C-3#30	75°C	800-4W	(2) SETS EA OF 4"C-4#600MCM
(3) 20-3WG	3/4"C-3#10		200-4W	2-1/2"C-3#30		800-3WG	(2) SETS EA OF 4"C-3#600MCM, #1/0 GND
(3) 20-4WG	3/4"C-3#10		200-3WG	2-1/2"C-3#30, #6 GND		800-4WG	(2) SETS EA OF 4"C-4#600MCM, #1/0 GND
(3) 20-5WG	3/4"C-3#10		200-4WG	2-1/2"C-4#30, #6 GND		1000-4W	(3) SETS EA OF 3"C-3#400MCM
(3) 20-6WG	3/4"C-3#10, #10 GND		225-3W	2-1/2"C-3#40		1000-3WG	(3) SETS EA OF 3"C-3#400MCM, #2/0 GND
(3) 20-7WG	3/4"C-3#8, #10 GND		225-4W	2-1/2"C-4#40		1000-4WG	(3) SETS EA OF 3"C-4#400MCM, #2/0 GND
(3) 20-8WG	3/4"C-3#8, #10 GND		225-5WG	2-1/2"C-3#40, #4 GND		1200-4W	(3) SETS EA OF 4"C-4#600MCM
(3) 20-9WG	3/4"C-3#8, #10 GND		225-4WG	2-1/2"C-4#40, #4 GND		1200-3WG	(3) SETS EA OF 4"C-3#600MCM, #3/0 GND
(3) 20-10WG	3/4"C-3#8, #10 GND		225-4W	3"C-4#250MCM		1200-4WG	(3) SETS EA OF 4"C-4#600MCM, #3/0 GND
(3) 20-11WG	3/4"C-3#8, #10 GND		250-3W	3"C-3#250MCM, #4 GND		1600-4W	(4) SETS EA OF 4"C-4#600MCM
(3) 20-12WG	3/4"C-3#8, #10 GND	250-4WG	3"C-4#250MCM, #4 GND	1600-3WG	(4) SETS EA OF 4"C-3#600MCM, #4/0 GND		
(3) 20-13WG	3/4"C-3#8, #10 GND	300-3WG	3"C-4#350MCM, #4 GND	1600-4WG	(4) SETS EA OF 4"C-4#600MCM, #4/0 GND		
(3) 20-14WG	3/4"C-3#8, #10 GND	300-4WG	3"C-4#350MCM, #4 GND	2000-4W	(5) SETS EA OF 4"C-4#600MCM		
(3) 20-15WG	1"C-4#1, #10 GND	400-3W	4"C-3#600MCM, #3 GND	2000-3WG	(5) SETS EA OF 4"C-3#600MCM, #250 MCM GND		
(3) 20-16WG	1"C-4#1, #10 GND	400-4W	4"C-4#600MCM, #3 GND	2000-4WG	(5) SETS EA OF 4"C-4#600MCM, #250 MCM GND		
(3) 20-17WG	1-1/4"C-3#6, #6 GND	400-4W	4"C-4#600MCM, #3 GND	2500-4W	(6) SETS EA OF 4"C-4#600MCM		
(3) 20-18WG	1-1/4"C-4#3, #6 GND	600-4WG	4"C-4#600MCM, #3 GND	2500-3WG	(6) SETS EA OF 4"C-3#600MCM, #350 MCM GND		
(3) 20-19WG	1-1/2"C-3#1	600-3WG	(2) SETS EA OF 3"C-3#250MCM, #2 GND	2500-4WG	(6) SETS EA OF 4"C-4#600MCM, #350 MCM GND		
(3) 20-20WG	1-1/2"C-3#1	600-4W	(2) SETS EA OF 3"C-4#250MCM, #2 GND	3000-4W	(8) SETS EA OF 4"C-4#600MCM		
(3) 20-21WG	1-1/2"C-3#1, #6 GND	600-4WG	(2) SETS EA OF 3"C-4#250MCM, #2 GND	3000-3WG	(8) SETS EA OF 4"C-3#600MCM, #400 MCM GND		
(3) 20-22WG	1-1/2"C-4#1, #6 GND	600-3WG	(2) SETS EA OF 3-1/2"C-3#500MCM, #1 GND	3000-4WG	(8) SETS EA OF 4"C-4#600MCM, #400 MCM GND		
(3) 20-23WG	1-1/2"C-3#1, #6 GND	600-4W	(2) SETS EA OF 3-1/2"C-4#500MCM, #1 GND	3000-4W	(10) SETS EA OF 4"C-4#600MCM		
(3) 20-24WG	1-1/2"C-3#10, #6 GND	700-4W	(2) SETS EA OF 4"C-4#500MCM, #1 GND	3000-3WG	(10) SETS EA OF 4"C-3#600MCM, #500 MCM GND		
(3) 20-25WG	1-1/2"C-4#10, #6 GND	700-3WG	(2) SETS EA OF 4"C-3#600MCM, #1 GND	2000-4WG			
(3) 20-26WG	2"C-3#20, #6 GND	700-4WG	(2) SETS EA OF 4"C-4#600MCM, #1 GND				
(3) 20-27WG	2"C-4#20, #6 GND	800-3W	(2) SETS EA OF 4"C-3#600MCM				

* EQUIPMENT PROVISIONS FOR ELECTRICAL CONNECTIONS - TEMPERATURE LIMITATIONS SHALL COMPLY WITH NEC ARTICLE 110.14 FOR CIRCUITS RATED 100A OR LESS. WIRE SIZES ARE BASED ON TYPE

"THIN" COPPER CONDUCTORS, WITH NOT MORE THAN THREE CURRENT CARRYING CONDUCTORS IN RACEWAY - DERATE PER TABLE 310.15 AS APPLICABLE.

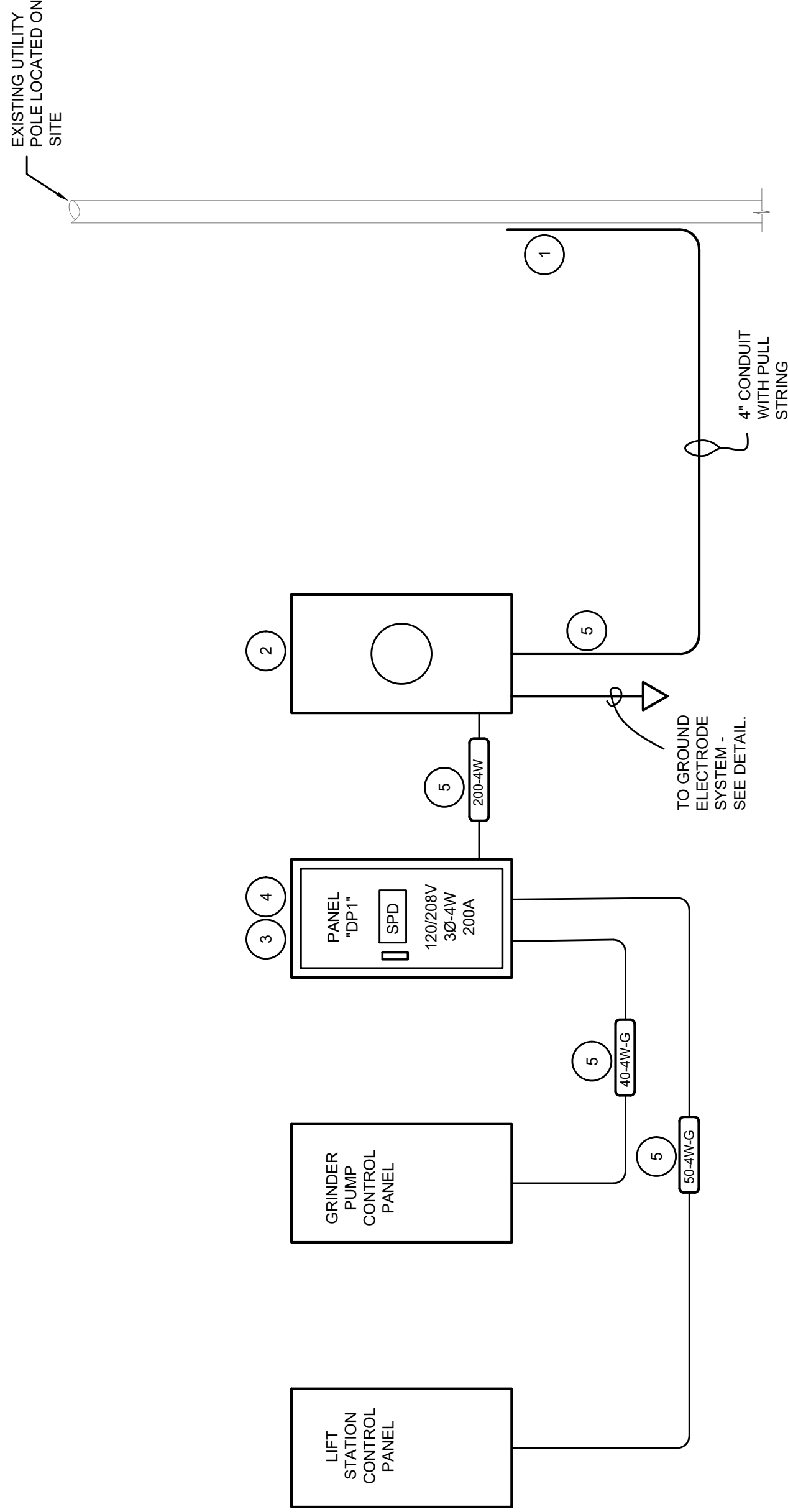
CONTRACTOR SHALL DERATE WIRING AS REQUIRED WHEN MORE THAN FOUR (4) CURRENT CARRYING CONDUCTORS ARE INSTALLED IN SINGLE RACEWAY PER NEC TABLE 310.15(B)(3)(a).

UTILITY NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY COMPANY FEES AND/OR CHARGES, ASSOCIATED WITH ESTABLISHING ELECTRICAL SERVICE TO THE SITE THIS SHALL INCLUDE ALL COSTS AND MATERIAL ASSOCIATED WITH PRIMARY CONDUIT, CABLE, POLES, METERING EQUIPMENT, TAP CABINETS, TERMINATION CABINETS, TRANSFORMERS, DISTRIBUTION EQUIPMENT, ETC. CONTRACTOR SHALL COORDINATE ALL MAIN SERVICE REQUIREMENTS AND LOCATIONS WITH UTILITY COMPANY, PRIOR TO BIDDING. ALL ROUGH-INS SHALL COMPLY WITH UTILITY COMPANY STANDARDS.

ELECTRICAL CONSTRUCTION TAG NOTES

(#) (APPLIES TO THIS DRAWING ONLY)

- 1 CONDUIT SHALL BE TURNED UP AT EXISTING UTILITY POLE. LOCATED ON SITE ACCORDING TO UTILITY COMPANY STANDARDS.
- 2 FURNISH AND INSTALL 200 AMP METER BASE EQUAL TO MILBANK U25690-0 OR OTHER APPROVED BY THE LOCAL UTILITY.
- 3 PANEL WITH INTERNAL SURGE PROTECTIVE DEVICE CONNECTED TO BUSBAR ASSEMBLY. RATINGS SHALL BE PER SPECIFICATIONS. EXTERNAL ADD ON REFER TO PANEL SCHEDULES FOR ALL BREAKER REQUIREMENTS WITHIN PANELS.
- 4 REFER TO PANEL SCHEDULES FOR ALL BREAKER REQUIREMENTS WITHIN PANELS.
- 5 ALL CONDUIT ROUTED ABOVE GRADE AT FREE-STANDING RACK SHALL BE RIGID METALLIC CONDUIT.



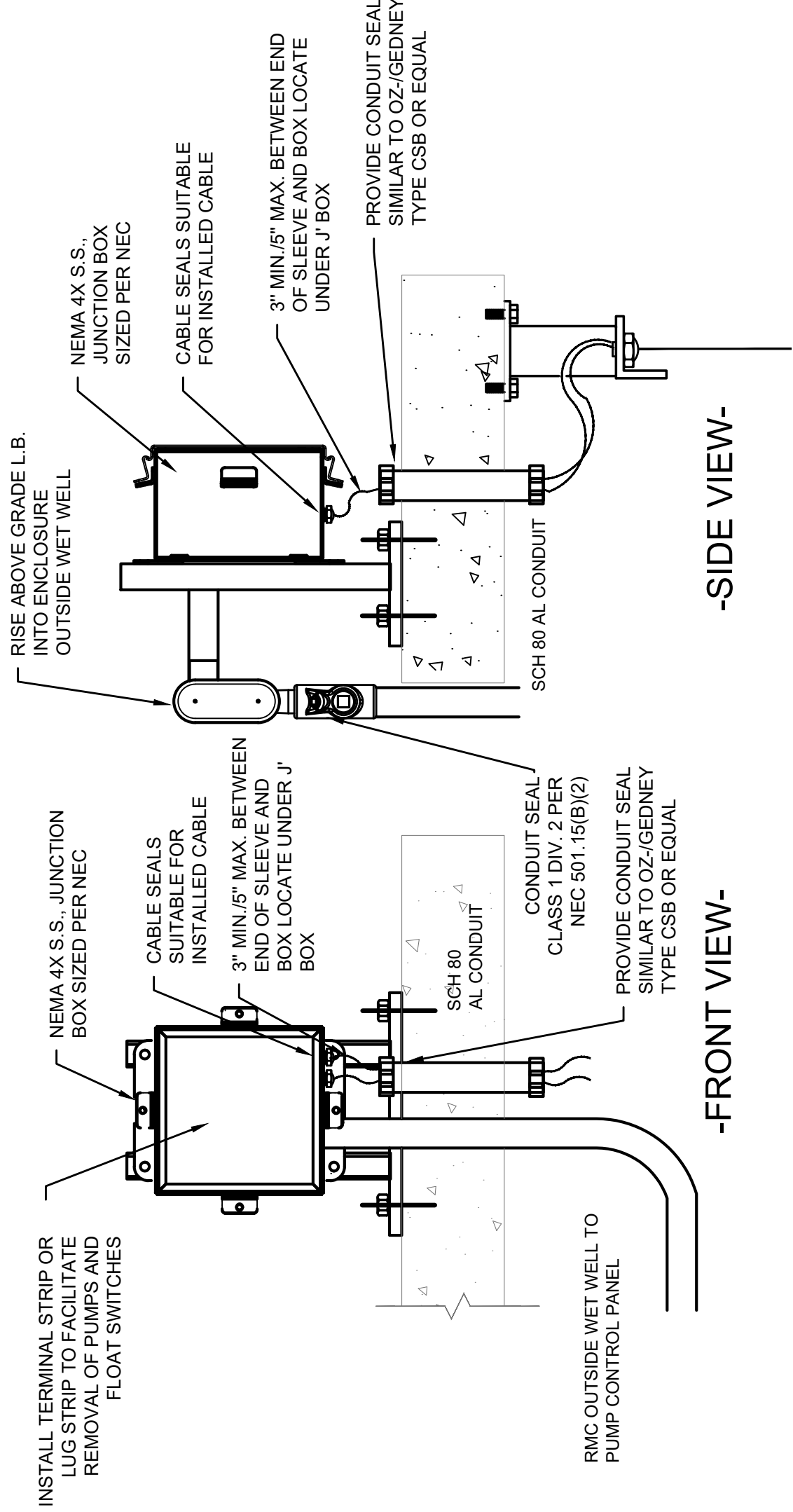
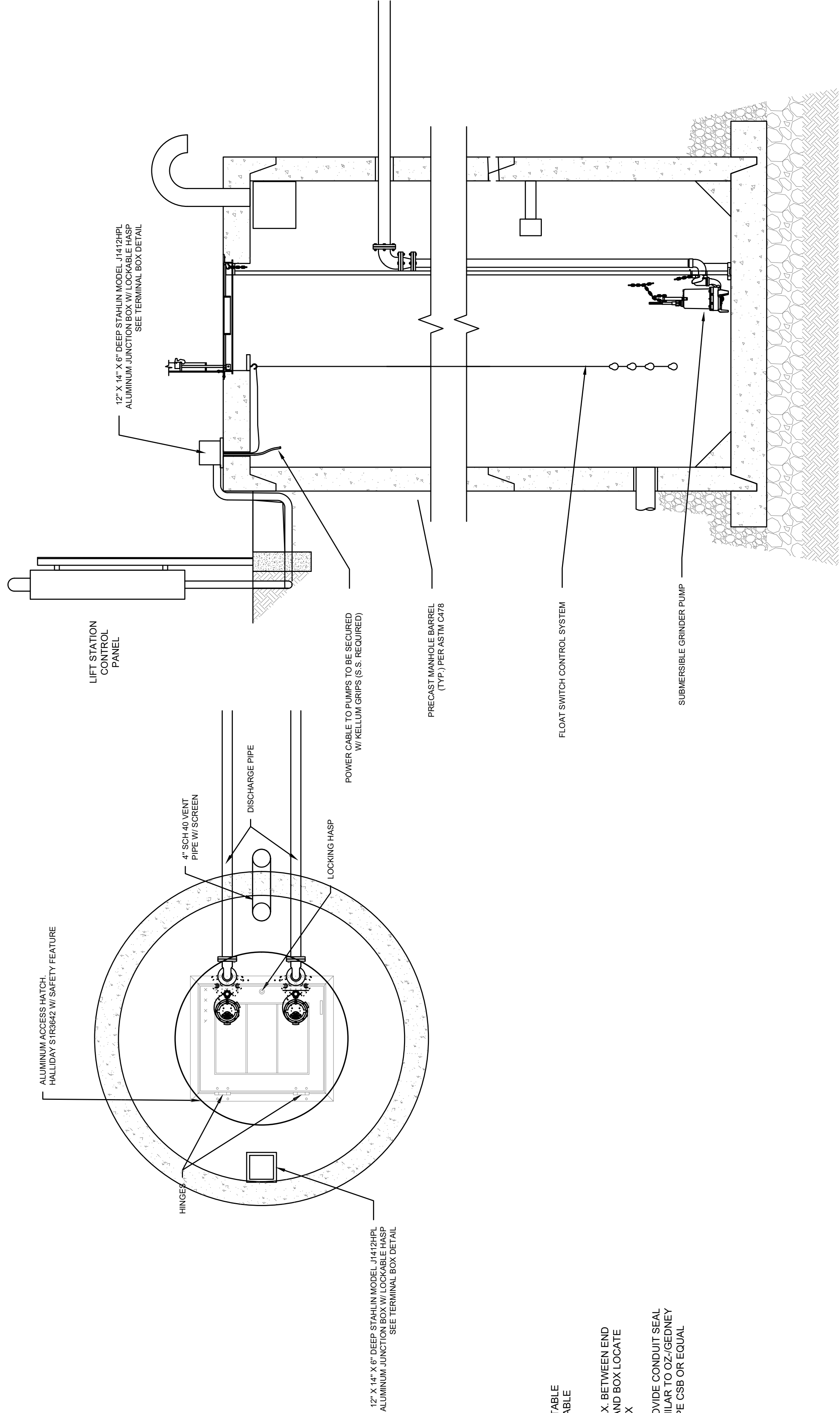
RISER DIAGRAM

NO SCALE



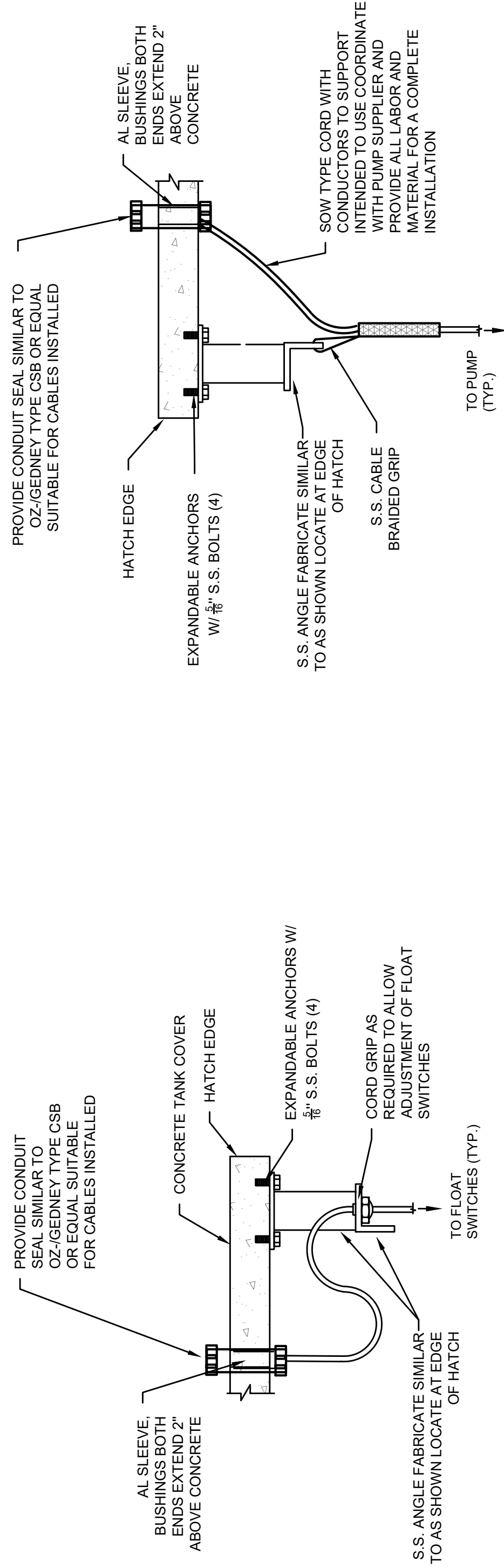
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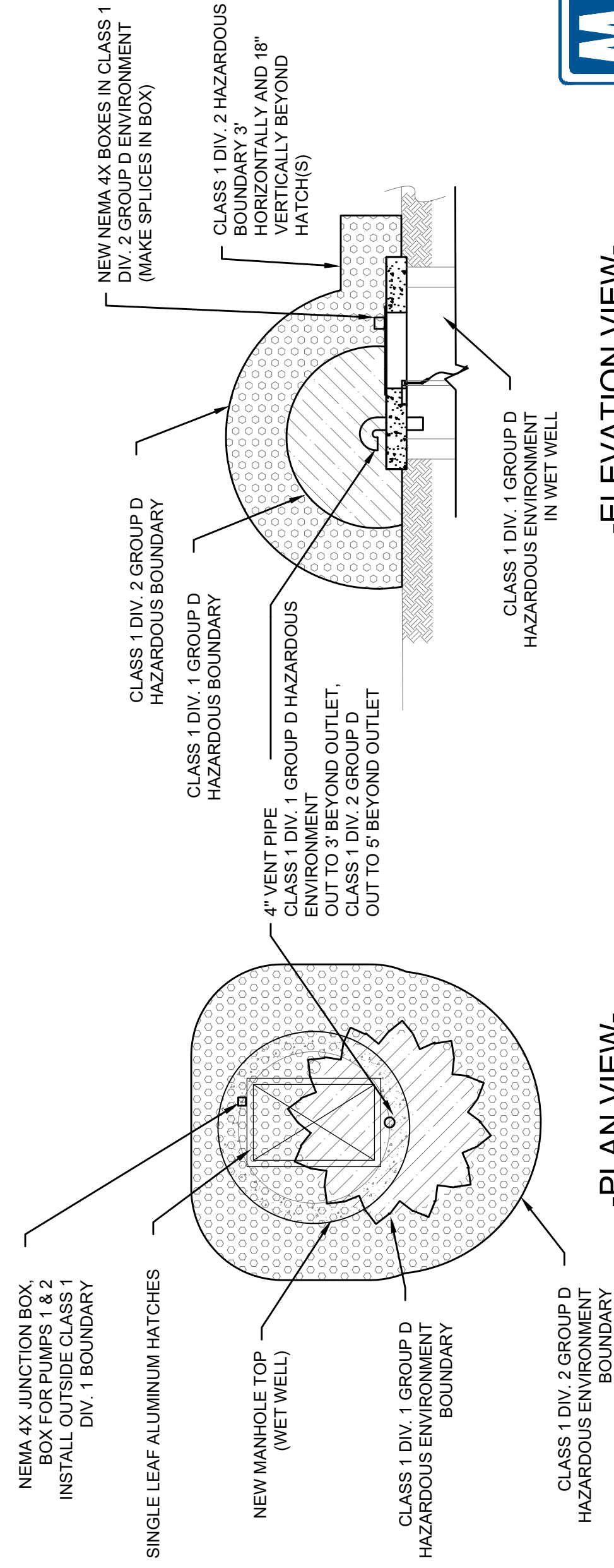
WET WELL SECTION

NO SCALE



FLOAT SWITCH SUPPORT DETAIL

NO SCALE



-PLAN VIEW-

-ELEVATION VIEW-

HAZARDOUS CLASSIFIED AREA

NO SCALE



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COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



SITE ELECTRICAL DETAILS

ITEM NO. 02-00012.00

COUNTY OF CHRISTIAN

SHEET NO. U26