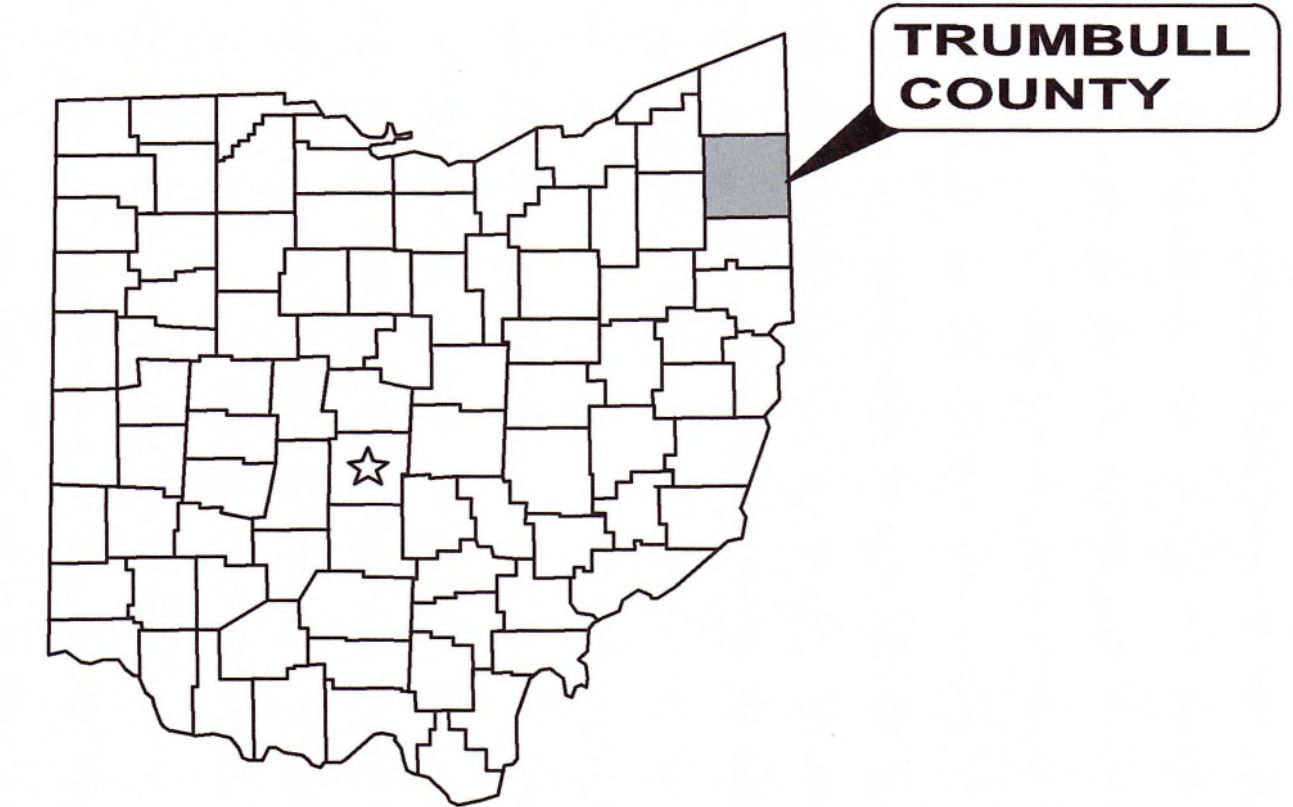





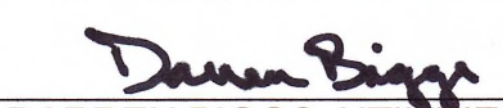




THE VILLAGE OF LORDSTOWN

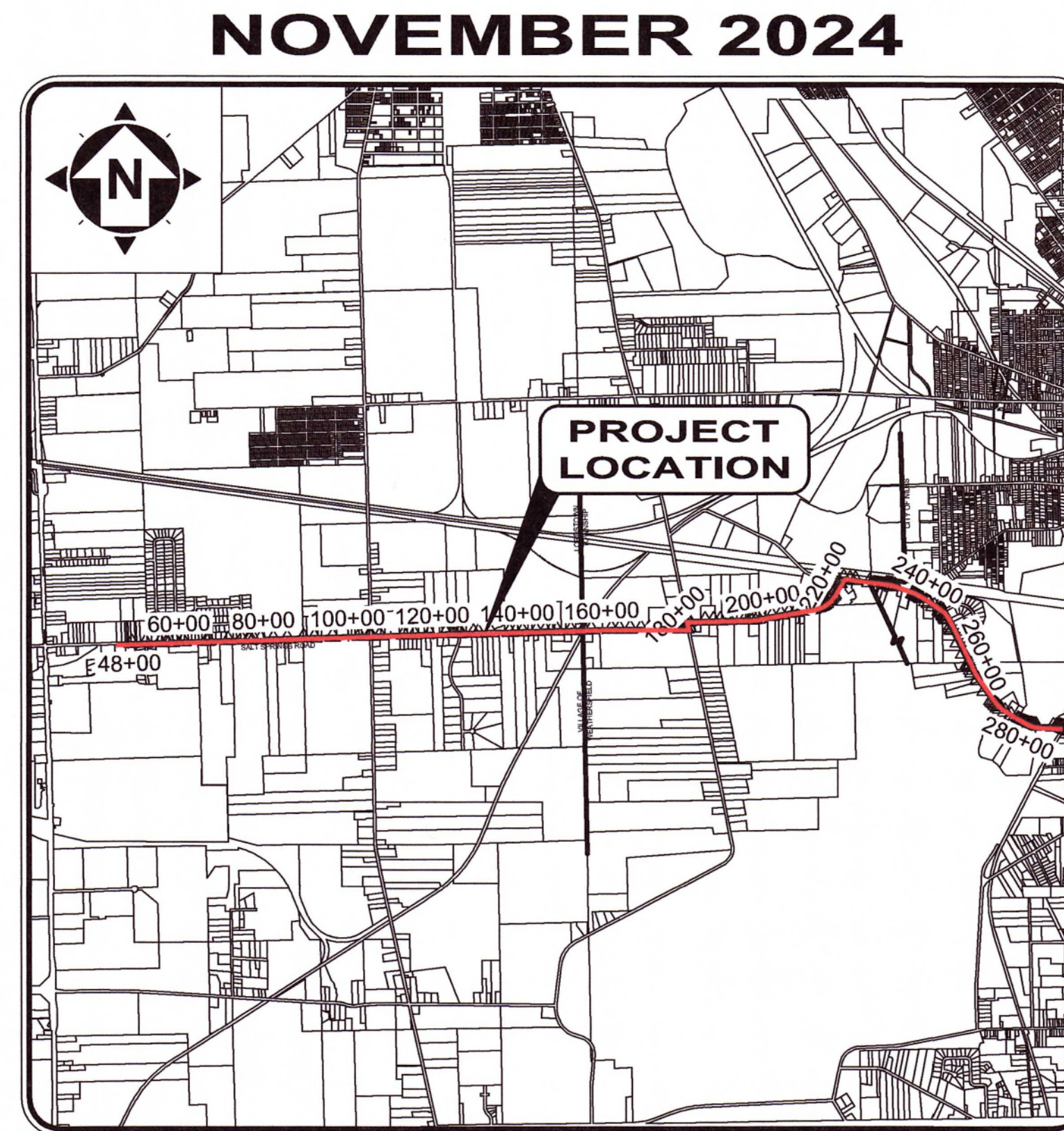
METER VAULT REHABILITATION & AIR RELEASE VALVE REPLACEMENT

LORDSTOWN, OHIO



APPROVALS:

 JACKIE WOODWARD, MAYOR	11-22-24 DATE
 WILLIAM BLANK, VILLAGE CLERK	11-21-24 DATE
 MATT RIES, VILLAGE SOLICITOR	11-25-24 DATE
 DARREN BIGGS, UTILITIES SUPERINTENDENT	22 Nov 24 DATE
 MARTIN NELDER, ROAD SUPERINTENDENT	11-22-24 DATE
 CHRIS PETERSON, BOARD OF PUBLIC AFFAIRS, PRESIDENT	11-25-24 DATE
 MICHAEL SULLIVAN, BOARD OF PUBLIC AFFAIRS	11-25-24 DATE
 STANLEY CZEK, BOARD OF PUBLIC AFFAIRS	11-22-24 DATE



LOCATION MAP
NOT TO SCALE

VILLAGE COUNCIL:

ROBERT BOND	PRESIDENT
JAMIE MOSELEY	COUNCIL MEMBER
LAMAR LIMING	COUNCIL MEMBER
TERRY CAMPBELL	COUNCIL MEMBER
JESSICA BLANK	COUNCIL MEMBER
HOWARD SHEELY III	COUNCIL MEMBER

OFFICE:

THE VILLAGE OF LORDSTOWN
1455 SALT SPRINGS ROAD
LORDSTOWN, OHIO 44481

(330) 824-2507 PHONE

ROAD & STREET DEPARTMENT
MARTIN NELDER, ROAD SUPERINTENDENT

(330) 824-2585 PHONE

DEPARTMENTS:

WATER & SEWER DEPARTMENT
CINDY SLUSARCZYK

UTILITIES SUPERINTENDENT
DARREN BIGGS

(330) 824-2481 PHONE

ENGINEER:

CT CONSULTANTS, INC.
3875 EMBASSY PARKWAY, STE. 200
AKRON, OHIO 44333

(330) 375-0800 PHONE

PROJECT SITE:

THE PROJECT IS LOCATED ON SALT SPRINGS ROAD BETWEEN TOD AVE AND MAIN STREET AND SPANS THREE MUNICIPAL SUBDIVISIONS.



OHIO 811 DESIGN SERIAL NUMBER & UTILITY LIST:

FIRST ENERGY: (ELECTRIC) 730 SOUTH AVENUE YOUNGSTOWN, OHIO 44502 SUZANNE JULIAN (330) 740-7635 PHONE (330) 740-7655 FAX	VERIZON BUSINESS: (FIBER OPTICS) 120 RAVINE STREET AKRON, OH 44033 ALLAN GUEST (330) 504-4338 PHONE (330) 535-9056 FAX	ASSET MANAGEMENT: (GAS) 3852 WILLOW BROOK DR. RAVENNA, OHIO 44266 DICK HELDMAN (330) 807-4224 PHONE
TIME WARNER CABLE: (COMMUNICATION) P.O. BOX 2553 COLUMBUS, OHIO 43215 STEPHEN RAY (614) 481-5262 PHONE	CENTURY LINK: (FIBER OPTICS) 1 WEST FEDERAL STREET YOUNGSTOWN, OHIO 44503 JERRY HOLKO (330) 747-4266	GATHERCO, INC.: (GAS) 5772 DRESSLER RD. N.W. N. CANTON, OHIO 44720 RALPH KROWLL (330) 498-9553 PHONE
AT&T OHIO: (COMMUNICATION) 50 W. BOWERY ST., 6TH/ FLOOR AKRON, OHIO 44308 JEREMIA M. SMITH (330) 384-4457 PHONE (330) 384-9963 PHONE	DOMINION EAST OHIO: (GAS) 320 SPRINGSIDE DRIVE, STE. 320 AKRON, OHIO 44333 MARY J. LONG (330) 664-2409 PHONE (888) 504-0126 FAX	NS: (RAIL ROAD) 114 FRANCIS DRIVE DARLINGTON, PA 16115 KELLY STANTON RIGHT OF ENTRY (412) 893-7051 PHONE

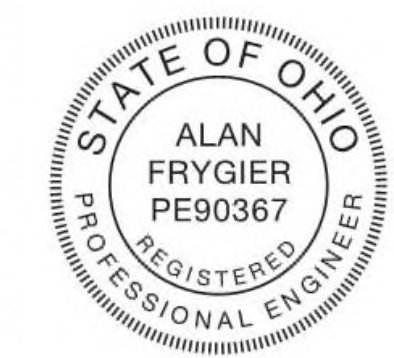
- UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
- THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



ENGINEER'S PROJECT No. 242440



ALAN FRYGIER



P.E. No. 90367

11/26/2024

DATE

GENERAL:

1. ANY REVISIONS TO THE ACCEPTED CONSTRUCTION DOCUMENTS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKEOUT/LAYOUT AND SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY DISCREPANCIES.
3. NO WORK SHALL COMMENCE WITHOUT AN EXECUTED NOTICE TO PROCEED.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH OSHA SAFETY REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL VISITORS, EMPLOYEES AND WORKERS ON THE CONSTRUCTION SITE.
5. THE CONTRACTOR SHALL CONSTRUCT THIS PROJECT IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL BUILDING CODES.
5. ALL EXCAVATIONS ARE TO BE SECURED AND PROTECTED AT ALL TIMES.
6. ALL SEDIMENT AND EROSION CONTROL PRACTICES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AS PER ODOT ITEM 832.
7. ANY DISTURBED AREAS NOT SCHEDULED FOR CONSTRUCTION ACTIVITIES WITHIN SIXTY DAYS OF DISTURBANCE SHALL BE TEMPORARILY STABILIZED.
8. ALL POLLUTANTS OTHER THAN SEDIMENT THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND LEGALLY DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORM OR SURFACE WATERS. POLLUTANTS OF CONCERN INCLUDE, BUT ARE NOT LIMITED TO, FUELS, LUBRICANTS, SOLVENTS, CONCRETE BI-PRODUCTS AND CONSTRUCTION MATERIALS.
9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF ALL STORED MATERIALS.
10. AS BUILT RECORDS – THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SET OF PROJECT RECORD DOCUMENTS. THESE DOCUMENTS SHALL INCLUDE REVIEWED SHOP DRAWINGS, CHANGE ORDERS, EQUIPMENT OPERATING INSTRUCTIONS, FIELD TEST RECORDS, AND AS BUILT DRAWINGS. THE AS BUILT DRAWINGS SHALL BE MARKED LEGIBLY IN RED WITH THE ACTUAL LOCATION OF EQUIPMENT AND CONDUITS AS CONSTRUCTED. ALL EQUIPMENT AND UNDERGROUND CONDUITS INSTALLED SHALL HAVE LOCATIONS MARKED IN DISTANCE OFF A LANDMARK AT LEAST EVERY 25 FEET AND AS NECESSARY AT BENDS FOR LOCATION OF A LATER DATE. FINAL DOCUMENTS AND PLANS SHALL BE DELIVERED TO THE OWNER.
11. CONTRACTOR IS ENCOURAGED TO MAKE SITE VISIT TO FAMILIARIZE THEMSELVES WITH AREA.
12. CONTRACTOR SHALL DEVELOP A PROJECT SCHEDULE FOR HOW HE IS TO UNDERTAKE PROJECT SO THAT THE VILLAGE OF LORDSTOWN CAN PROPERLY STAFF INSPECTORS.
13. THESE PLANS ARE DEVELOPED FROM AS-BUILT DRAWINGS DATED 5/9/2006 FOR THE LORDSTOWN EDA PROJECT NO. 06-01-04789 24" SUPPLY LINE AND WATER IMPROVEMENTS.
14. CONTRACTOR SHALL DRAFT A PLAN AND SCHEDULE TO REPLACE MULTIPLE AIR RELEASE VALVE VAULTS IN GROUPS IN ORDER TO MINIMIZE DOWNTIME TO ROAD AND WATERLINE.
15. IT SHALL BE KNOWN THAT THE EXISTING 24" WATERLINE PROVIDES ALL OF THE WATER TO THE VILLAGE OF LORDSTOWN. IT IS OF UTMOST IMPORTANCE TO MINIMIZE DOWNTIME AS EFFICIENTLY AS POSSIBLE IN ORDER TO KEEP THIS WATERLINE IN SERVICE.

STANDARD SPECIFICATIONS:

1. THE "CONSTRUCTION AND MATERIAL SPECIFICATIONS" OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT), 2023 EDITION, CURRENT ODOT SUPPLEMENTAL SPECIFICATIONS, AND CURRENT ODOT STANDARD DRAWINGS SHALL GOVERN WORK AND MATERIALS WHICH ARE NOT SPECIFIED OR MODIFIED HEREIN OR ON THE PROJECT CONTRACT DRAWINGS. ALL REFERENCES TO "THE DEPARTMENT" SHALL BE CHANGED TO "THE OWNER OR HIS REPRESENTATIVE." THE PROJECT CONTRACT DRAWINGS AND SPECIFICATIONS, IN THE EVENT OF A DISCREPANCY, SHALL SUPERSEDE THE ODOT SPECIFICATIONS.

UNDERGROUND UTILITIES:

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL PUBLIC AND PRIVATE UTILITIES WHICH MAY BE AFFECTED BY THE CONSTRUCTION. THE EXACT LOCATION AND PROTECTION OF UTILITIES AND STRUCTURES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST THREE DAYS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO CONSTRUCTION TO HAVE UTILITIES STAKED, MARKED OR OTHERWISE DESIGNATED IN THE CONSTRUCTION AREA IN SUCH A MANNER; OR LOCATING SHALL BE COORDINATED TO STAY 48 HOURS AHEAD OF THE PLANNED CONSTRUCTION.
3. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF THE UTILITY OR STRUCTURE AND ITS EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE UTILITY OWNER.
4. OSHA STANDARDS PROHIBIT CRANE OR BACKHOE OPERATIONS WITHIN TEN (10) FEET OF ENERGIZED PRIMARY CONDUCTORS. TEMPORARY RELOCATION OF ELECTRICAL UTILITIES, INCLUDING RESTRAINT POLES, RELOCATION OF POLES AND RUBBER COVERING OF ENERGIZED CONDUCTORS MAY BE REQUIRED. THE COORDINATION AND COST OF THESE SERVICES IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MAY RESTRAIN POLES IF THE METHOD OF SUPPORT HAS BEEN SUBMITTED TO AND APPROVED BY THE UTILITY OWNER.

EXISTING UTILITIES:

1. THE LOCATIONS OF THE UNDERGROUND UTILITIES ARE PLOTTED ACCORDING TO THE INFORMATION FURNISHED BY THE UTILITIES CONCERNED AND THE OWNER DOES NOT GUARANTEE THE ACCURACY THEREOF. CONTRACTOR TO CALL OUPS (1-800-362-2764) "48 HOURS BEFORE YOU DIG" AND CALL OIL & GAS PRODUCERS' PROTECTIVE (1-800-925-0988). CONTRACTOR ALSO TO COORDINATE HIS WORK WITH THE UTILITIES LISTED ON THIS SHEET.
2. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE OWNER INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS. CABLE RELOCATION AND SUPPORT COST SHALL BE INCLUDED IN OTHER BID ITEMS.
3. WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT BE THE RESPONSIBILITY OF THE OWNER.
4. DELAYS TO THE CONTRACTOR AS RESULT OF TIMING OF UTILITY RELOCATIONS OR PROTECTION SHALL NOT BE CONSIDERED COMPENSABLE DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK WITH THE UTILITY COMPANY'S SCHEDULE.
5. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE EXISTING UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF ANY PROPOSED IMPROVEMENT INDICATED ON THE PLANS. SHOULD A CONFLICT EXIST AT A UTILITY CROSSING, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.

PROTECTION OF EXISTING UTILITIES AND PIPES:

1. SHOULD IT BECOME NECESSARY TO CHANGE THE POSITION OR TEMPORARILY REMOVE ANY STORM DRAIN, SANITARY SEWER, ELECTRIC CONDUITS, WATER PIPES, GAS PIPES, PROCESS OR OTHER PIPES OR WIRES IN ORDER TO PERMIT THE CONTRACTOR TO USE A PARTICULAR METHOD OF CONSTRUCTION OR IN ORDER TO CLEAR THE STRUCTURES BEING BUILT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE LOCATION AND CIRCUMSTANCES AND SHALL CEASE WORK, IF NECESSARY, UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE BY THE OWNERS OF SAID PIPES OR WIRES TO PROPERLY CARE FOR THE SAME. NO CLAIMS FOR DAMAGES WILL BE ALLOWED ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY. THE ENTIRE COST OF THE CHANGES OR TEMPORARY REMOVAL MUST BE INCLUDED IN THE PRICES STIPULATED FOR THE VARIOUS ITEMS OF WORK TO BE DONE UNDER THIS CONTRACT.
2. NO SURFACE, GROUND OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.
3. WHERE WORK IS PARTIALLY COMPLETE NECESSITATING TRENCH ABANDONMENT IN THE EVENT OF STORM EVENT CONTRACTOR SHALL STABILIZE EXCAVATION AND PROTECT THE UNFINISHED WORK. CONTRACTOR SHALL SUBMIT SUCH A PLAN FOR ENGINEER REVIEW.
4. CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF ALL FENCES, RETAINING WALLS, STEPS, UTILITY POLES, MONUMENTS, UTILITY APPURTENANCES, SIGNAGE AND LANDSCAPE BEDS. IF DAMAGED, THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF THESE ITEMS AT NO ADDITIONAL COST TO THE OWNER.

MONUMENTS, PROPERTY CORNERS AND BENCHMARKS:

1. MONUMENTS, PROPERTY CORNER MARKERS AND BENCHMARKS SHALL NOT BE DISTURBED BY THE CONTRACTOR. IN THE EVENT THAT IT IS NECESSARY TO REMOVE MONUMENTS, PROPERTY CORNER MARKERS OR BENCHMARKS FOR THE CONSTRUCTION OF THE WORK, THE CONTRACTOR SHALL HAVE A REGISTERED LAND SURVEYOR PROPERLY REFERENCE THE POINTS AND SHALL HAVE SAME RESET AFTER THE CONSTRUCTION HAS PASSED THE AREA, AT NO ADDITIONAL COST TO THE OWNER.

MATERIAL DISPOSAL AND TEMPORARY SURFACES:

1. THE REMOVAL AND DISPOSAL OF ALL SURPLUS EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ULTIMATE DISPOSAL. THE DISPOSAL OF ALL CONSTRUCTION DEBRIS SHALL BE AT AN APPROVED LOCATION BY THE OWNER AND THE ENGINEER. THE DISPOSAL OF ALL "CLEAN" WASTE MATERIAL SHALL BE AT APPROVED LANDFILLS, AND/OR OTHER SITES APPROVED BY THE OWNER AND ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL APPROVALS, PERMITS, LICENSES, ETC. FROM LOCAL, STATE AND FEDERAL AGENCIES AND/OR PRIVATE LANDOWNERS. THE CONTRACTOR SHALL FURNISH THE ENGINEER A COPY OF ALL APPROVALS OR WRITTEN PERMISSION PRIOR TO DISPOSING OF ANY WASTE AT SAID SITE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE RESTORATION OF ALL MATERIAL WASTE AREAS USED IN THE COURSE OF THIS CONTRACT. THE RESTORATION WORK SHALL INCLUDE CLEANUP, SHAPING AND GRADING AND ESTABLISHMENT OF VEGETATIVE COVER BY SEEDING AND MULCHING IN ACCORDANCE WITH ODOT SPECIFICATION NO. 659. THE FINAL GRADING OF WASTE AREAS SHALL BE PROPERLY SLOPED TO PROVIDE DRAINAGE RUNOFF. ALL ROCKS, BOULDERS AND CONCRETE CHUNKS SHALL BE BURIED WITHIN THE WASTE AREA TO A DEPTH OF AT LEAST TWO (2) FEET AND SHALL NOT BE VISIBLE AT COMPLETION.
3. THE COST OF HEREIN DESCRIBED WORK, INCLUDING SEEDING AND MULCHING NECESSARY TO SECURE THESE RESULTS, SHALL BE CONSIDERED INCIDENTAL TO THE OTHER VARIOUS ITEMS OF WORK IN THIS CONTRACT AND INCLUDED IN THE RESPECTIVE PAY ITEMS. NO SEPARATE PAYMENT SHALL BE MADE.
4. TEMPORARY SURFACES WHERE EXCAVATION ARE LOCATED IN STREETS, DRIVES AND PARKING AREAS SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AND SHALL BE FULLY MAINTAINED TO MINIMIZE INCONVENIENCE TO THE PUBLIC AT NO ADDITIONAL COST TO THE OWNER.
5. THE ABOVE DESCRIBED WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF ALL WORK AND INCLUDED IN THE RESPECTIVE PAY ITEMS AND SHALL NOT BE A SEPARATE PAY ITEM.
6. DUMP SITES MUST BE APPROVED BY THE OWNER.

CLEARING AND GRUBBING:

1. THE CONTRACTOR SHALL INCLUDE ALL NECESSARY PRECAUTIONS TO PROTECT AND SAVE ALL TREES WHICH ARE ADJACENT TO THE LINE OF WORK AND SHALL REMOVE ONLY THOSE TREES WHICH ARE DESIGNATED FOR REMOVAL ON THE PLANS OR DIRECTED BY THE ENGINEER. TREE ROOTS AND OVERHANGING BRANCHES SHALL BE CUT AND REMOVED FROM THE SITE, EXCEPT WITH SPECIAL PERMISSION OF THE ENGINEER. WHEN REQUIRED, THE CUTTING OF ROOTS AND BRANCHES SHALL BE DONE IN A MANNER TO LEAVE A SMOOTH END WITHOUT SPLITTING OR CRUSHING. THE CUT END SHALL BE NEATLY TRIMMED. ALL DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER. WHERE MISCELLANEOUS SMALL TREES AND SHRUBS ARE NOTED TO BE REMOVED AND RESET, THE COST OF SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT.

RESTORATION:

1. CONTRACTOR SHALL RESTORE ANY DISTURBED AREAS CAUSED FROM CONSTRUCTION TO PRE-CONSTRUCTION CONDITIONS OR BETTER OR AS PER PLAN. FOR DISTURBED LAWN AREAS, THE CONTRACTOR SHALL INSTALL COMPACTED, SCREENED, IMPORTED TOPSOIL TO PROVIDE A SMOOTH TRANSITION FROM NEW OR EXISTING CURB OR SIDEWALK SURFACES TO THE NON-PAVED SURFACE.
2. THE COMPOSITION OF SEED MIXTURE SHALL CONFORM TO THE PROJECT SPECIFICATIONS FOR SEEDING.

DUST CONTROL:

1. WATER IS TO BE PROVIDED BY THE CONTRACTOR FOR USE AS DUST CONTROL, AS DIRECTED BY THE ENGINEER. NO SEPARATE PAYMENT WILL BE MADE.

TRAFFIC MAINTENANCE:

1. MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY THE ENGINEER PRIOR TO BEGINNING WORK.
3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SAFE LOCAL ACCESS, VEHICULAR AND PEDESTRIAN INCLUDING PERSONS WITH DISABILITIES, TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR WILL FURNISH, MAINTAIN AND SUBSEQUENTLY REMOVE ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, BARRIERS, TEMPORARY PAVEMENT, LIGHTING, FLAGGERS, SIGNING, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROLS TO INSURE THE SAFETY OF PERSONS AND VEHICLES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS.
4. AT ALL EXCAVATION LOCATIONS THE CONTRACTOR SHALL PROVIDE SUITABLE FLASHERS, BARRICADES, AND TRAFFIC CONTROL DEVICES AS DEEMED NECESSARY BY THE ENGINEER AND IN ACCORDANCE WITH THE MUTCD UNTIL SUCH TIME AS THE AREA IS COMPLETELY BACKFILLED.
5. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PROHIBITED CONSTRUCTION ACTIVITIES:

1. THE USE OF EXPLOSIVES, UNLESS A PERMIT IS ISSUED BY THE OWNER.
2. PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS DIRECTLY INTO ANY SURFACE WATERS, STREAM CORRIDORS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED OR SETTLED TO REMOVE SILT PRIOR TO RELEASE.
3. DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS, BITUMINOUS MATERIALS, RAW SEWAGE, OR ANY OTHER HARMFUL WASTE INTO OR ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS OR INTO NATURAL OR MAN-MADE CHANNELS LEADING THERETO.
4. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT.
5. STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT PREVIOUSLY SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES.
6. RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT PERMISSION OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.
7. OPERATION ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS OUTSIDE THE HOURS OF 8:00 AM AND 5:00 PM OR OUTSIDE THE HOURS ALLOWED BY LOCAL ORDINANCES OR REGULATIONS.
8. CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER AND CLOSING CLEAR ACCESS:
 - BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
 - BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR
 - BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

SUBSURFACE INVESTIGATIONS

1. IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL. COORDINATE AT LEAST 3 DAYS IN ADVANCE WITH UTILITY SUPERINTENDENT DARREN BIGGS AT (330) 824-2402 AND ROAD SUPERINTENDENT MARTIN NELDER (330) 360-1350.

PAVEMENT REPAIR

1. CONTRACTOR SHALL FOLLOW THE TEMPORARY PAVEMENT REPAIR OVER TRENCH DETAIL TO REPAIR ALONG SALT SPRINGS ROAD AFTER BACKFILLING IF THE WORK IS DONE DURING THE WINTER TIME. THIS DETAIL CAN BE FOUND ON THE CONSTRUCTION DETAIL SHEET. WHEN WEATHER PERMITS, CONTRACTOR TO RETURN TO SITE, REMOVE PC CONCRETE AND 6 MM PLASTIC SHEET, AND REPAIR ACCORDING TO ASPHALT PAVEMENT REPAIR OVER TRENCH DETAIL.
2. CONTRACTOR SHALL FOLLOW THE ASPHALT PAVEMENT REPAIR OVER TRENCH DETAIL TO REPAIR PAVEMENT ALONG SALT SPRINGS ROAD AFTER BACKFILLING IF THE WORK IS DONE DURING SPRING/SUMMER TIME.



NO	REVISION	DATE

**Village of Lordstown, Ohio
Meter Vault Rehabilitation &
Air Release Valve Replacements**

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

**GENERAL NOTES -
1**

PROJECT NO: 242440	
DRAWING NAME	
SHEET	OF
2	15

EXCAVATION, BACKFILL AND COMPACTION:

1. ALL EXCAVATION WILL BE CONSIDERED UNCLASSIFIED, NO COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ROCK OR SHALE EXCAVATION.
2. ALL BACKFILL WILL BE AS DESCRIBED IN SPECIFICATION SECTION 310000 "COMPACTED BACKFILL", USING MACHINE MOUNTED COMPACTION EQUIPMENT TO MEET THE COMPACTION REQUIREMENT OF 100% OF MAXIMUM LABORATORY DRY DENSITY PER ASTM D 698.
3. THE OWNER AND THE ENGINEER DO NOT GUARANTEE NOR SUGGEST THE IN-SITU MATERIAL TO BE EXCAVATED WILL BE SUITABLE OR IN ITS PRESENT STATE WILL CONSIST OF THE PROPER MOISTURE CONTENT TO ACHIEVE THE COMPACTION REQUIREMENTS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE BACKFILL MATERIAL HE WILL USE. UPON REQUEST, THE OWNER WILL PROVIDE ACCESS TO THE SITE FOR THE CONTRACTOR TO CONDUCT SUCH INVESTIGATION AND TESTS DEEMED NECESSARY TO MAKE HIS DETERMINATION. NO EXTRA PAYMENT WILL BE MADE TO DISPOSE OF UNSUITABLE MATERIAL OR FURNISH AND PLACE SUITABLE MATERIAL MEETING THE REQUIREMENTS OF SECTION 310000.
4. BACKFILLING OF ANY TRENCHES OR EXCAVATIONS WILL NOT BE PERMITTED WITHOUT MACHINE MOUNTED COMPACTION EQUIPMENT BEING USED.
5. SLAG PRODUCTS WILL NOT BE PERMITTED FOR BEDDING, BACKFILL, OR TRAFFIC COMPACTED SURFACE.
6. ALL UTILITY LINES CROSSING THE NEW WATERLINE TRENCH, (i.e. STORM SEWERS, STORM LATERALS, SANITARY SEWERS, SANITARY LATERALS, WATER MAINS, WATER SERVICE CONNECTIONS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OCT CONDUITS, CABLE T.V. LINES) SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS OR REMOVED AND REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. NO ADDITIONAL COMPENSATION WILL BE PAID FOR THE ABOVE WORK UNLESS ANY OF THE ABOVE UTILITIES ARE ENCOUNTERED AND NOT SHOWN ON THE DRAWINGS.

STRUCTURAL BACKFILL AND FILL:

1. NO BACKFILL SHALL BE PLACED AGAINST ANY STRUCTURAL ELEMENT UNTIL THE STRENGTH LEVEL OF THE IN-PLACE CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH.
2. THE CONTRACTOR MAY TEST IN-PLACE BACKFILL STRENGTH USING NON-DESTRUCTIVE PROCEDURES OF ASTM C803, PENETRATION RESISTANCE.
3. EXISTING ON-SITE SOILS WHICH ARE FREE OF ORGANIC CONTAMINATION AND OTHER OBJECTIONABLE MATERIALS MAY BE UTILIZED AS SITE FILL MATERIAL. COMPACT MAXIMUM EIGHT (8") INCH LOOSE LAYERS UNIFORMLY TO NOT LESS THAN 90% STANDARD PROCTOR UNLESS OTHERWISE SPECIFIED. REFER TO THE SPECIFICATIONS SECTION 312323.13 FOR COMPACTED BACKFILL. SHALE AND/OR SLAG MAY NOT BE USED AS A BACKFILL OR FILL MATERIAL.
4. STRUCTURES WITH INTERMEDIATE FLOORS OR TOP SLABS, WHICH GIVE LATERAL SUPPORT TO THE WALLS, SHALL HAVE THESE ELEMENTS IN PLACE AND SHALL HAVE OBTAINED THE SPECIFIED DESIGN STRENGTH PRIOR TO BACKFILLING. IN THE CASE OF STRUCTURES WITH WALLS WHICH ARE UNSUPPORTED, SUCH AS OPEN-TOPPED TANKS AND RETAINING WALLS, THE LATEST PLACED SECTION OF WALL SHALL HAVE OBTAINED THE SPECIFIED DESIGN STRENGTH PRIOR TO BACKFILLING.
5. POROUS STRUCTURAL BACKFILL SHALL BE PLACED FULL LENGTH AND TO THE TOP OF CULVERTS AND ALL STRUCTURES. THE THICKNESS NORMAL TO WALL FACE SHALL BE NOT LESS THAN 18 INCHES.
6. POROUS STRUCTURAL BACKFILL SHALL BE CRUSHED LIMESTONE GRAVEL OF STONE NO. 467, 57, 67, 6 OR 78 SIZE.
7. USE ONLY WALK-BEHIND TYPE COMPACTORS WITHIN 10 FT. OF STRUCTURE WALLS.
8. ALL SHALE EXCAVATIONS SHALL BE REMOVED FROM THE SITE AND NOT USED AS BACKFILL.

ABBREVIATIONS

1. ARV – AIR RELEASE VALVE



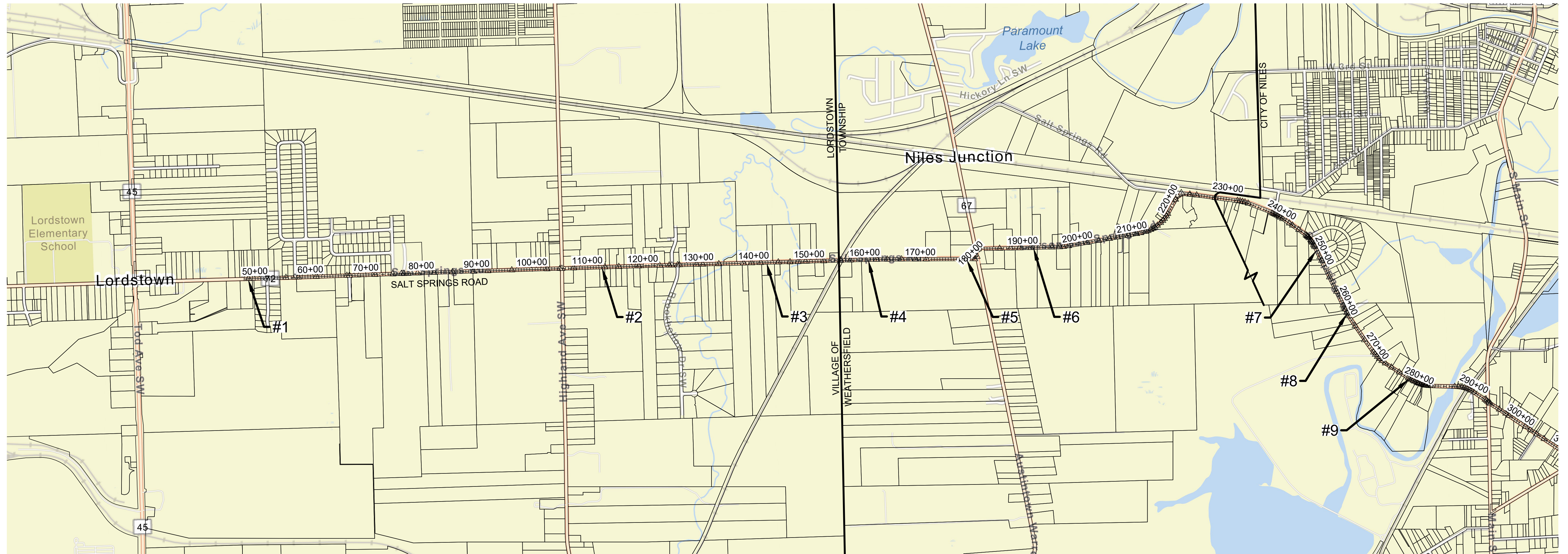
NO	REVISION	DATE

Village of Lordstown, Ohio
 Meter Vault Rehabilitation &
 Air Release Valve Replacements

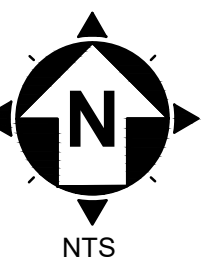
SCALE:	AS SHOWN
DATE:	11/21/2024
DESIGNED BY:	AEF
DRAWN BY:	JCR
CHECKED BY:	AEF

GENERAL NOTES -
 2

PROJECT NO:	
242440	
DRAWING NAME	
SHEET	OF
3	15



AIR RELIEF VALVE	AIR RELIEF VALVE STATION	NORTHING	EASTING	SHEET #	APPROXIMATE DEPTH TO WM FROM SURFACE
1	48+75	1180449.0137	4829470.0420	5	4'
2	112+57	1180871.4440	4835838.3878	5	4'
3	142+30	1181046.7959	4838805.9227	5	4'
4	160+62	1181163.3261	4840634.4401	6	4'
5	178+38	1181230.8781	4842408.5527	6	4'
6	191+89	1181479.6198	4843602.6541	6	4'
7	249+41	1181603.1517	4848693.2430	7	4'
8	262+08	1180483.2858	4849284.5857	7	4'
9	278+58	1179342.7416	4850445.6490	7	4'



NTS

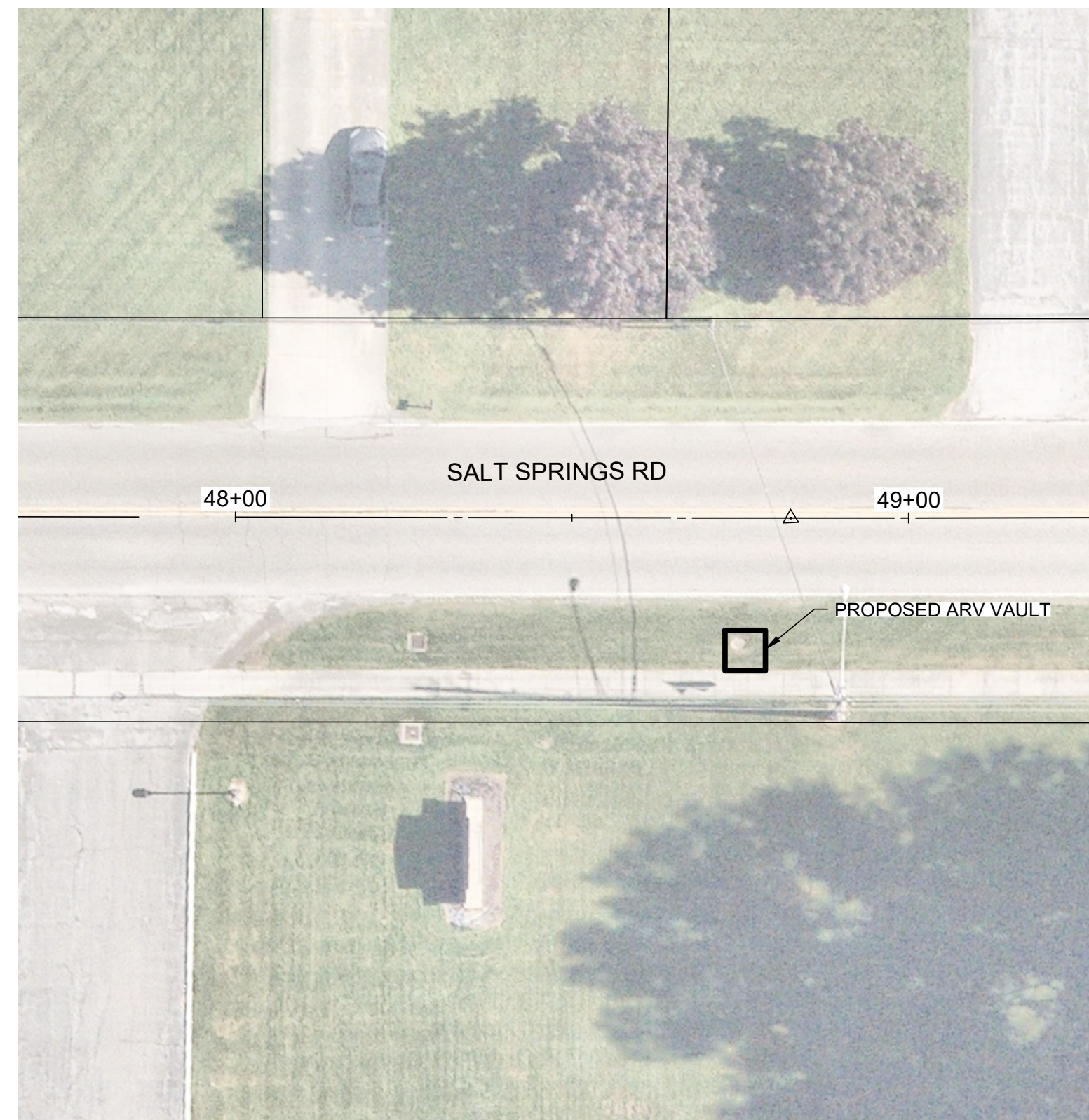
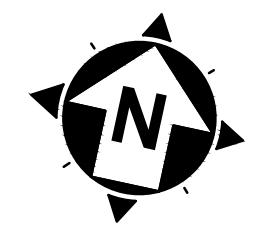
NO	REVISION	DATE

**Village of Lordstown, Ohio
Meter Vault Rehabilitation &
Air Release Valve Replacements**

SCALE:	AS SHOWN
DATE:	11/21/2024
DESIGNED BY:	AEF
DRAWN BY:	JCR
CHECKED BY:	AEF

ARV STATIONING

PROJECT NO:	
242440	
DRAWING NAME	
SHEET	OF
4	15



ARV #1



ARV #2

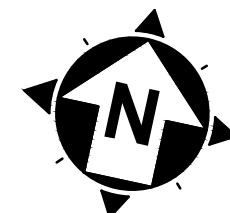


ARV #3



NOTE:
 AERIAL ARV LOCATIONS ARE APPROXIMATE.
 PICTURES SHOWN BELOW AERIAL IMAGES ARE
 NOT TO SCALE AND NOT FACING THE COMPASS DIRECTION.
 CONTRACTOR TO OBTAIN RIGHT OF WAY PERMITS FROM THE
 VILLAGE OF LORDSTOWN FOR ARVs 1, 2, AND 3.

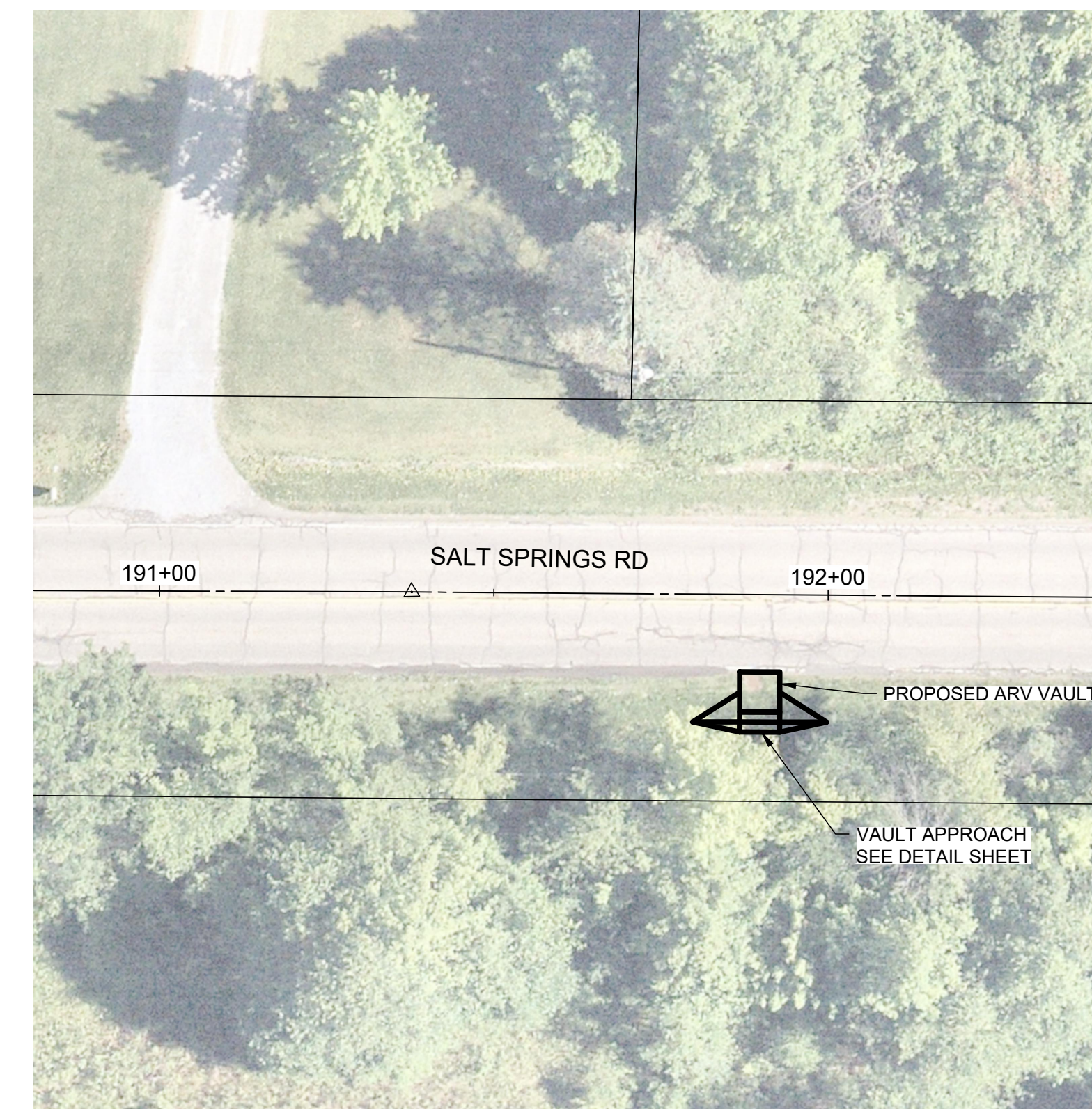
NO	REVISION	DATE



ARV #4



ARV #5



ARV #6



NOTE:
 AERIAL ARV LOCATIONS ARE APPROXIMATE.
 PICTURES SHOWN BELOW AERIAL IMAGES ARE
 NOT TO SCALE AND NOT FACING THE COMPASS DIRECTION.
 CONTRACTOR TO OBTAIN RIGHT OF WAY PERMITS FROM THE
 TRUMBULL COUNTY ENGINEER FOR ARVs 4, 5, AND 6.



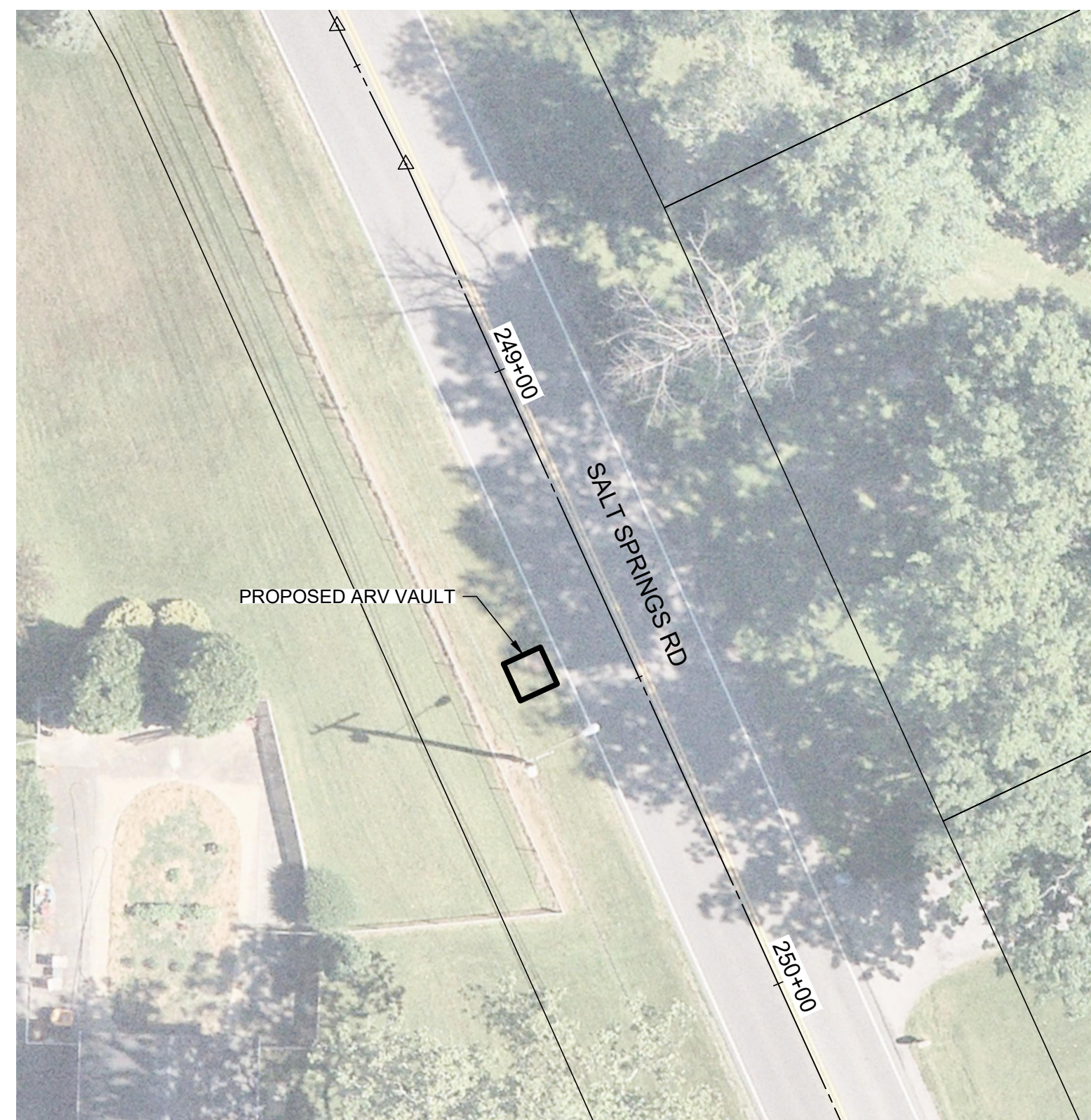
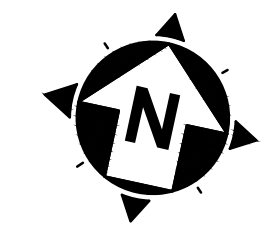
NO	REVISION	DATE

**Village of Lordstown, Ohio
 Meter Vault Rehabilitation &
 Air Release Valve Replacements**

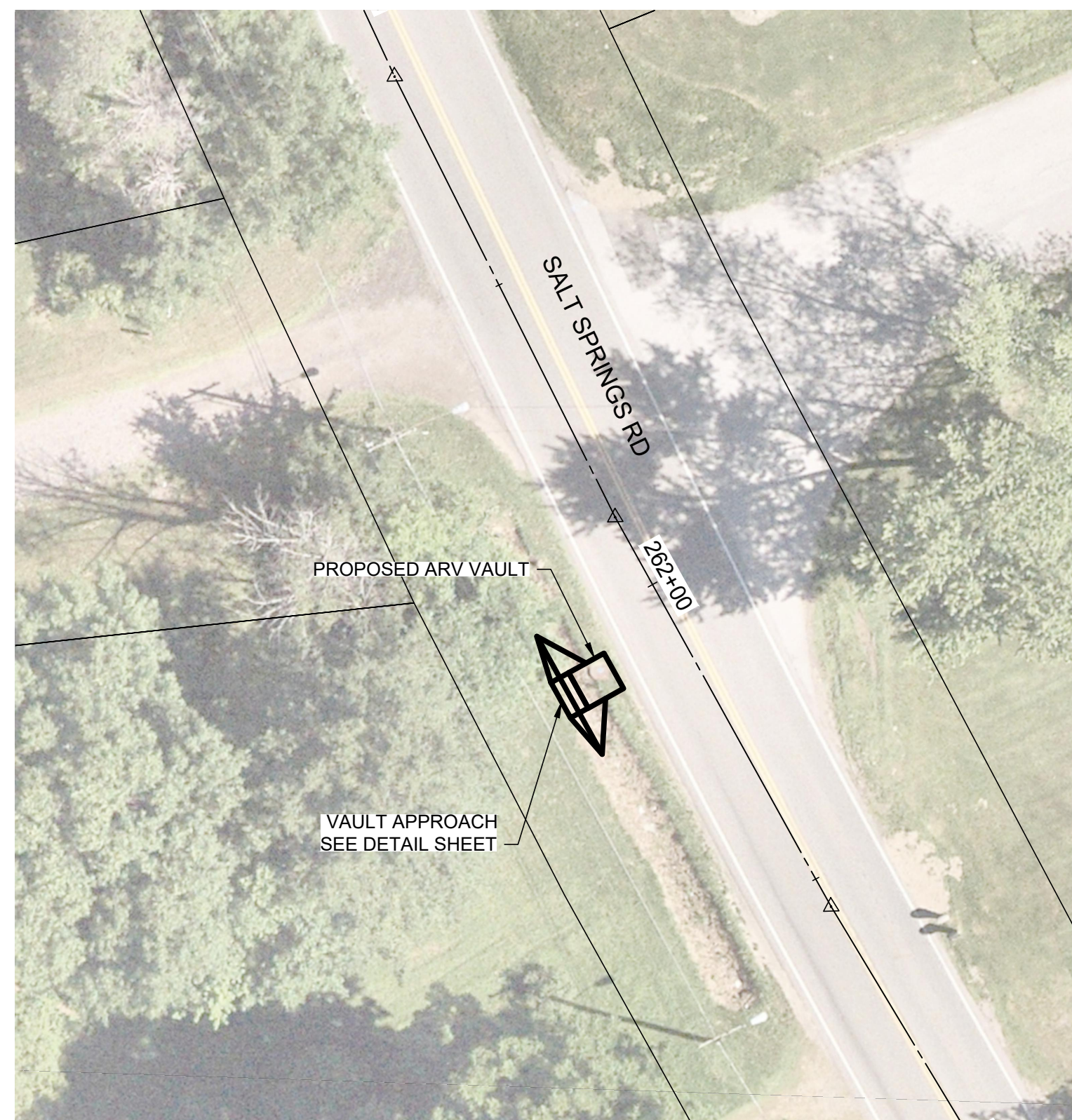
SCALE: AS SHOWN
 DATE: 11/21/2024
 DESIGNED BY: AEF
 DRAWN BY: JCR
 CHECKED BY: AEF

**ARV VAULT SITES
 4-6 LAYOUT**

PROJECT NO: 242440	
DRAWING NAME	
SHEET	OF
6	15



ARV #7



ARV #8



ARV #9

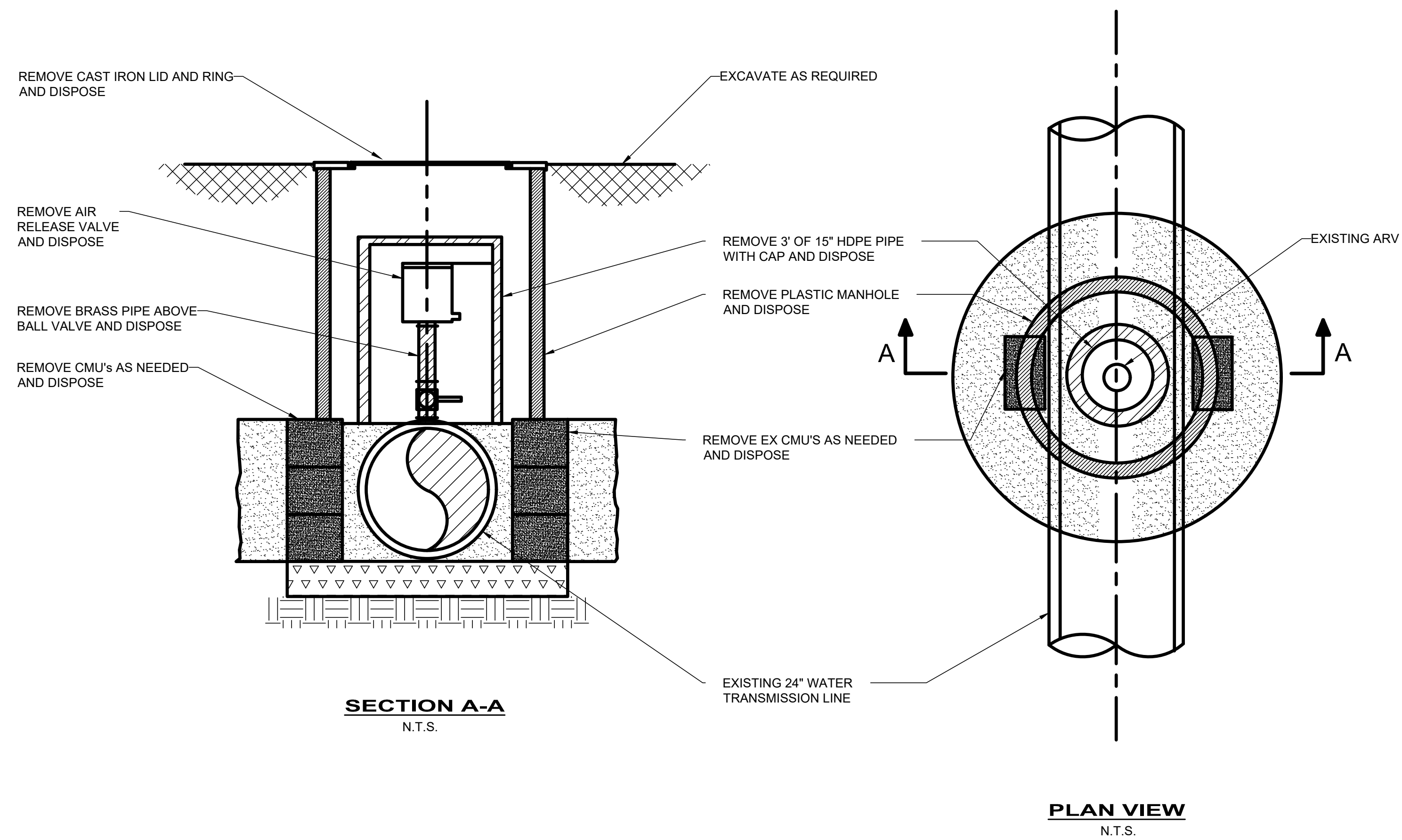


NOTE:
 AERIAL ARV LOCATIONS ARE APPROXIMATE.
 PICTURES SHOWN BELOW AERIAL IMAGES ARE
 NOT TO SCALE AND NOT FACING THE COMPASS DIRECTION.
 CONTRACTOR TO OBTAIN RIGHT OF WAY PERMITS FROM THE
 CITY OF NILES FOR ARVs 7, 8, AND 9.

NO	REVISION	DATE

SCALE:	AS SHOWN
DATE:	11/21/2024
DESIGNED BY:	AEF
DRAWN BY:	JCR
CHECKED BY:	AEF

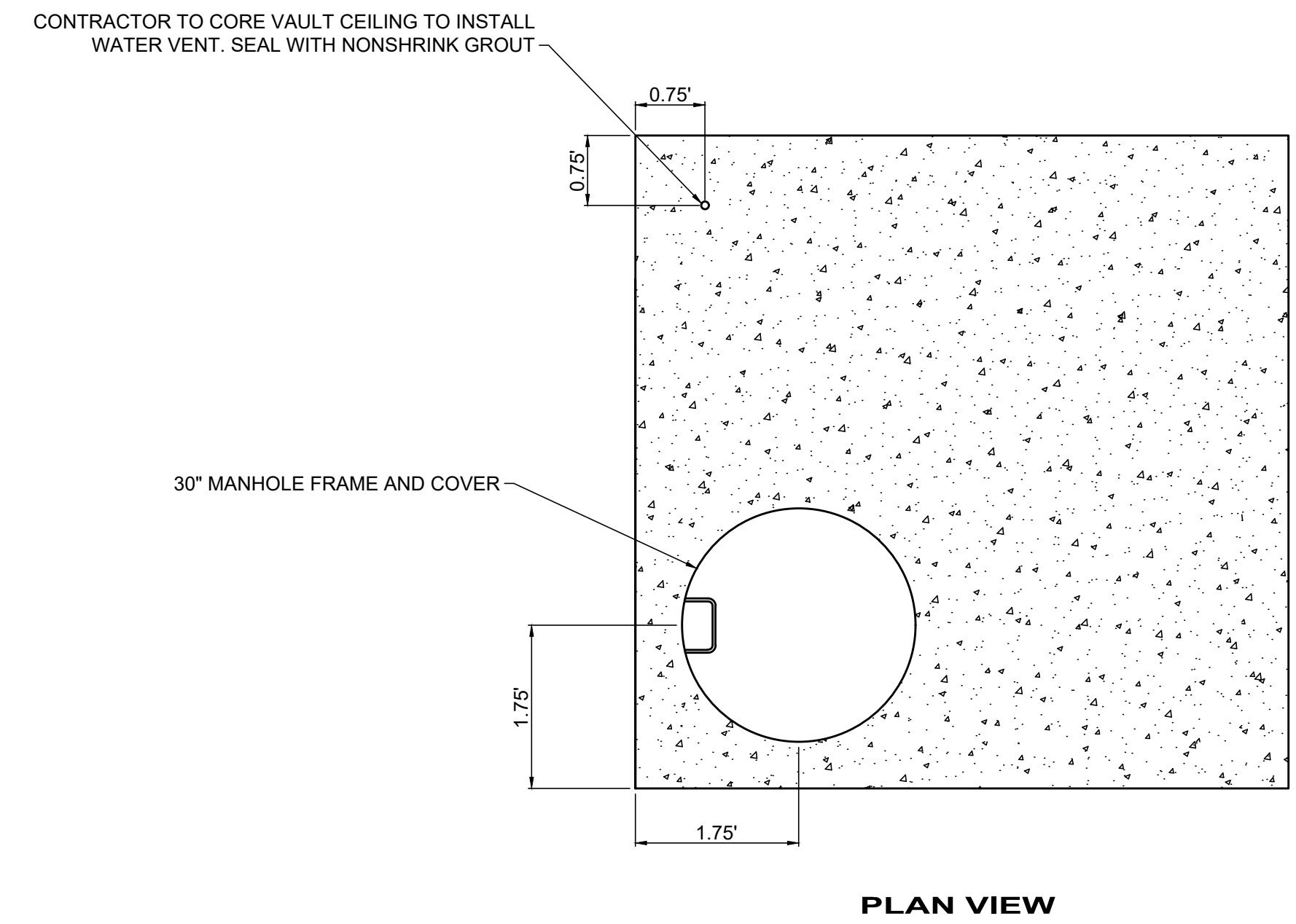
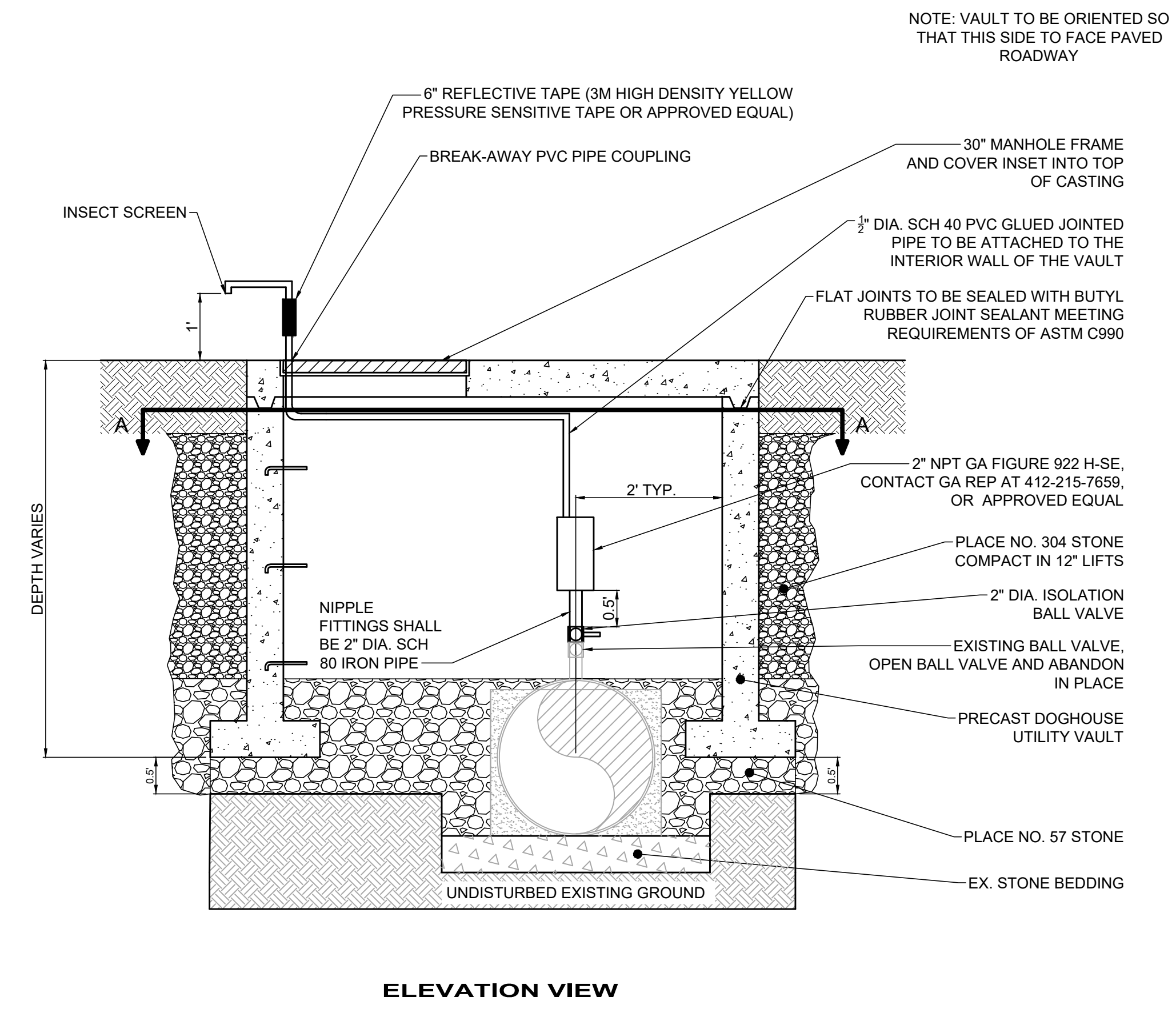
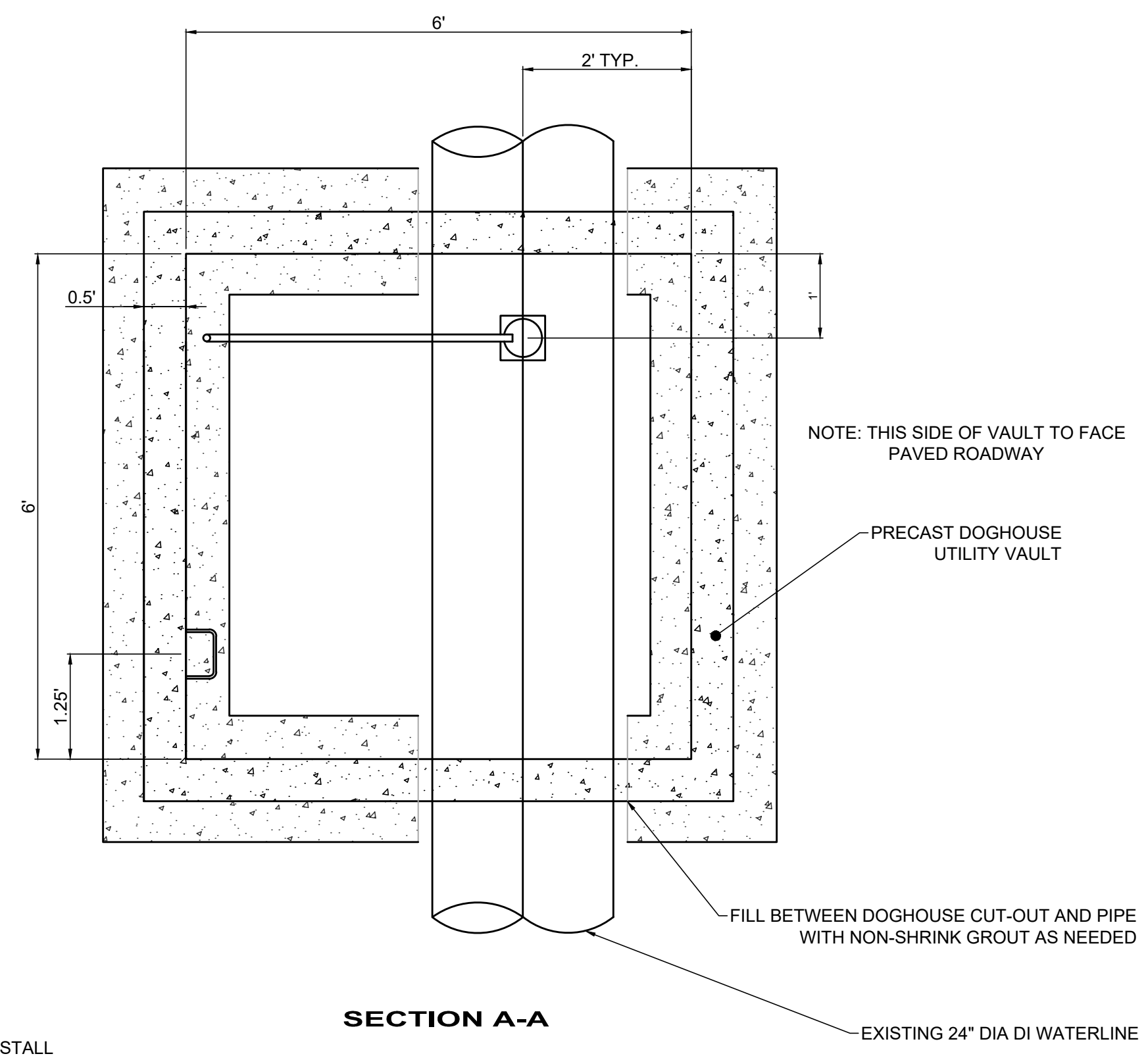
PROJECT NO:	
242440	
DRAWING NAME	
SHEET	OF
7	15



NO	REVISION	DATE

SCALE:	AS SHOWN
DATE:	11/21/2024
DESIGNED BY:	AEF
DRAWN BY:	JCR
CHECKED BY:	AEF

PROJECT NO:	
242440	
DRAWING NAME	
SHEET	OF
8	15



- NOTES:**
1. CONTRACTOR TO FIELD VERIFY APPROXIMATE DEPTH OF WATER LINE AT BEGINNING OF PLAN SET.
 2. TOP OF CASTING CANNOT BE HIGHER THAN THE EDGE OF ASPHALT ROAD.

VALVE VAULT DETAIL
SCALE: NONE

NO	REVISION	DATE

SCALE: AS SHOWN

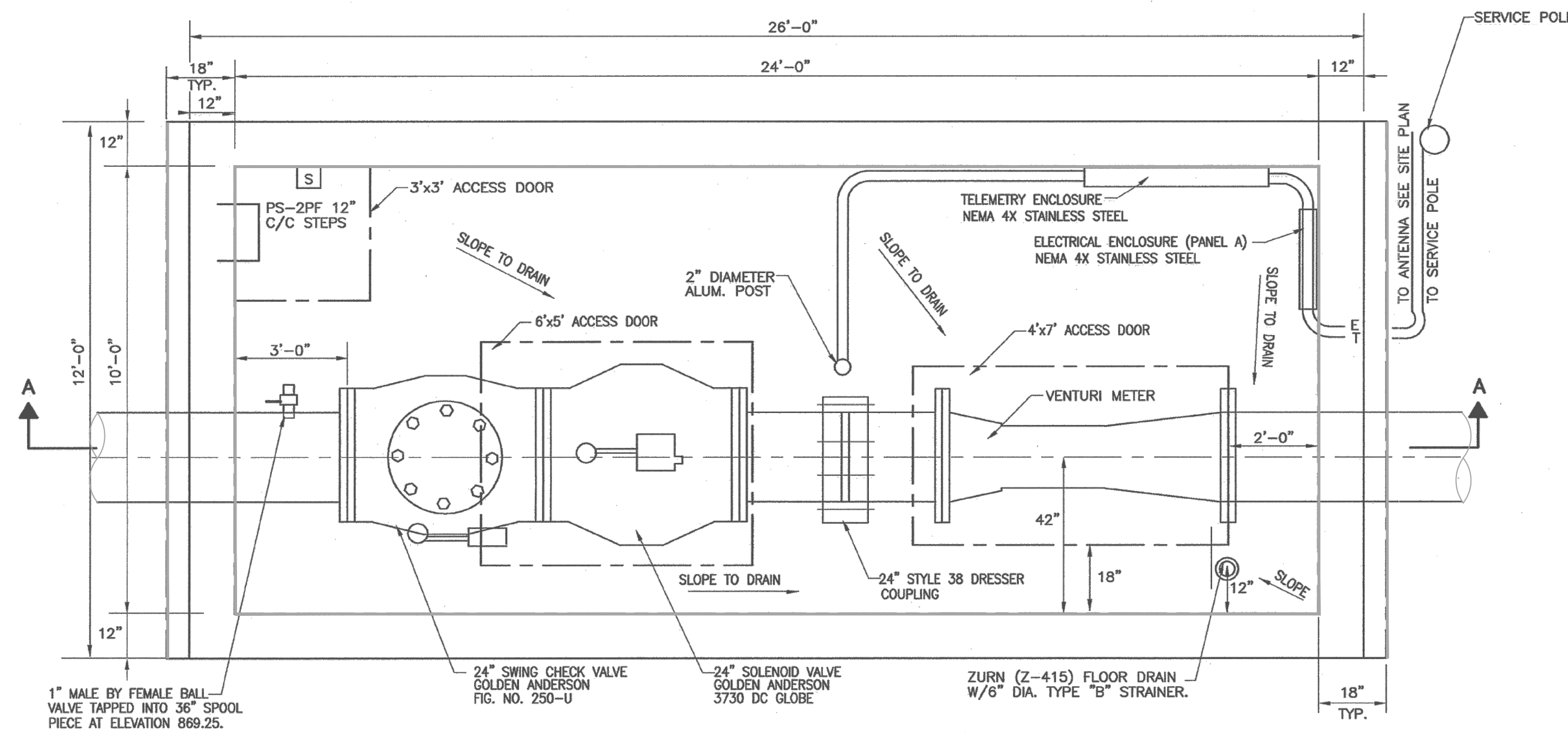
DATE: 11/21/2024

DESIGNED BY: AEF

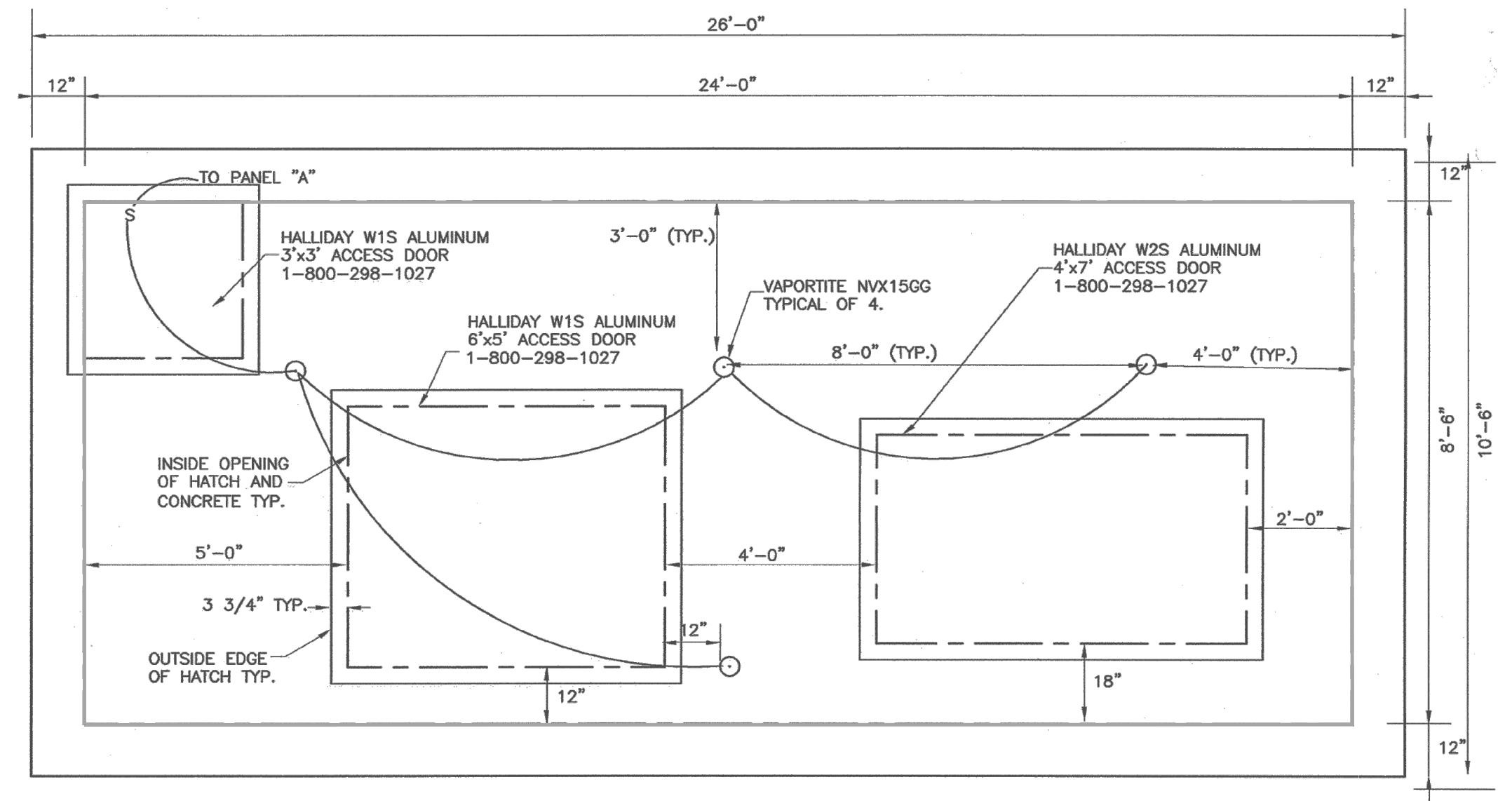
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CHECKED BY: AEF

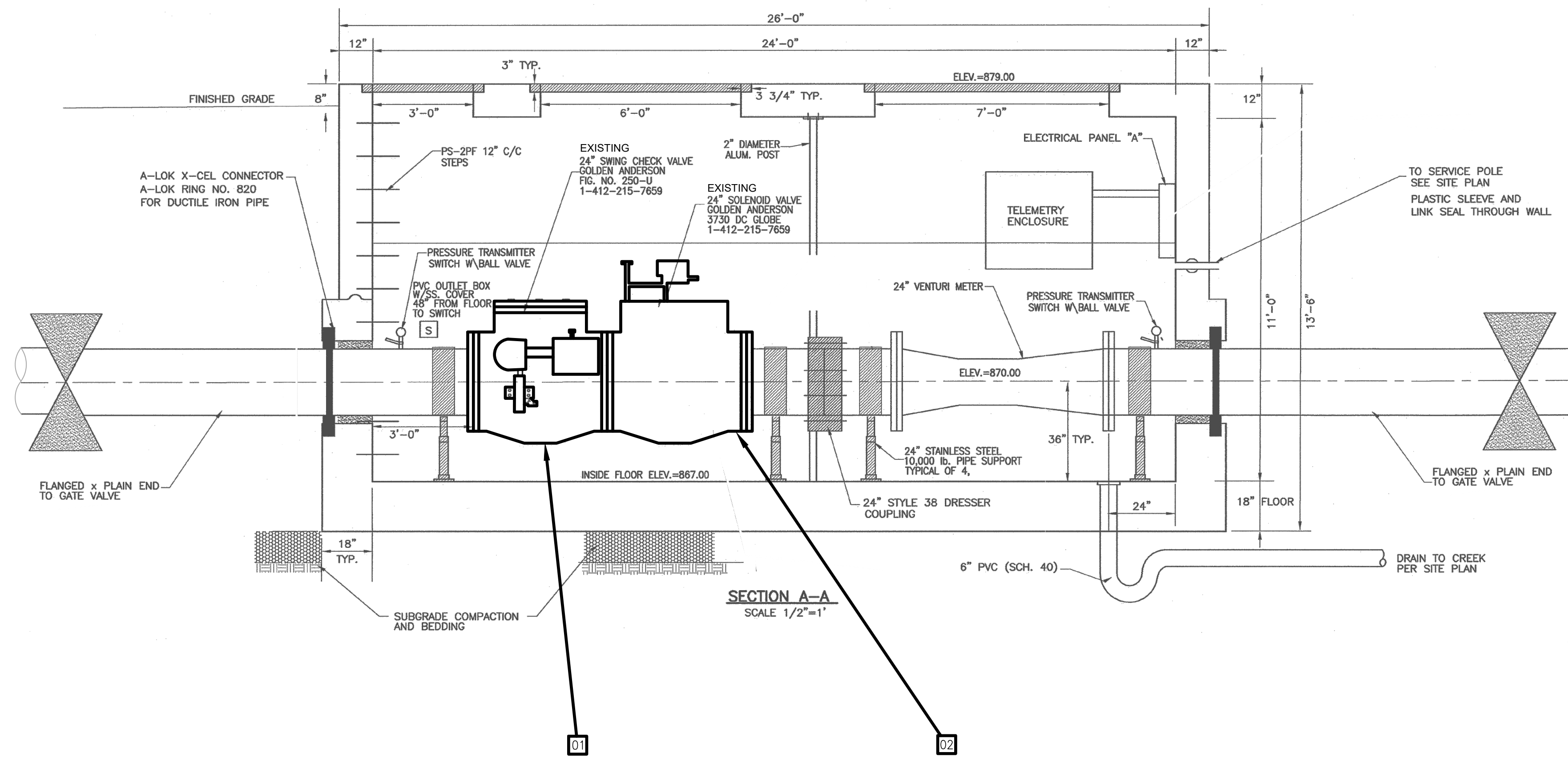
PROJECT NO: 242440	
DRAWING NAME	
SHEET	OF
9	15



PLAN VIEW VENTURI METER VAULT
SCALE 1/2"=1'



TOP SLAB VENTURI METER VAULT
SCALE 1/2"=1'



SECTION A-A
SCALE 1/2"=1'

CODED NOTES:

- 01 REHAB CHECK VALVE IN PLACE, GA 250-DS SOFT GOODS KIT PART NO. SW24 AND GA CUSHION CHAMBER KIT PART NO. SW24CC, GA REP PHONE NO. 412-215-7659; OR APPROVED EQUAL
- 02 REHAB SOLENOID VALVE IN PLACE, GA X3730 MAIN VALVE ASSY KIT PART NO. WS24N AND (2) 1/2" 120VAC ELECTRIC SOLENOID PILOTS, GA REP PHONE NO. 412-215-7659; OR APPROVED EQUAL

NOTES:

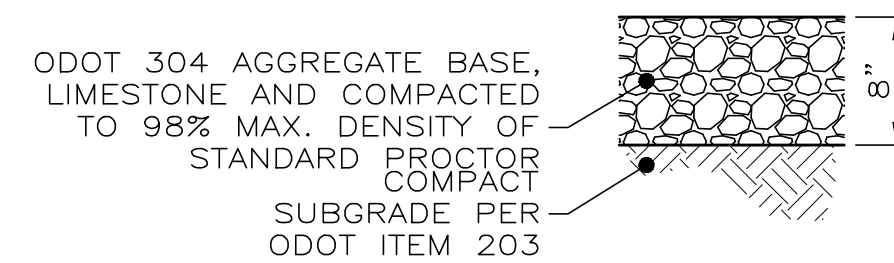
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT TO REHABILITATE THE 2 EXISTING VALVES (CHECK VALVE AND SOLENOID VALVE) IN PLACE FOR A TURNKEY OPERATION. CONTRACTOR SHALL PROVIDE A SCHEDULE TO OWNER AS TO HOW HE WILL EFFICIENTLY COMPLETE THIS WITH MINIMAL DOWNTIME TO WATERLINE. CONTRACTOR SHALL ALSO SCHEDULE THE WORK TO BE DONE WITH THE VILLAGE OF LORDSTOWN AT LEAST ONE WEEK IN ADVANCE. NIGHT TIME WORK WILL BE PERMITTED. REPRESENTATIVES OF GOLDEN ANDERSON, WHO ARE THE MANUFACTURERS OF BOTH VALVES, SHALL OVERSEE REHABILITATION OF THE EXISTING CHECK VALVE AND EXISTING SOLENOID VALVE AS CONTRACTOR COMPLETES WORK. CONTRACTOR SHALL PAY FOR OBSERVATION SERVICES. DISCONNECT BOTH 120V POWER SUPPLIES FROM SOLENOIDS, REPLACE THE EXISTING ELECTRIC SOLENOID PILOTS WITH NEW, AND RECONNECT AFTER VALVE IS PUT INTO SERVICE. CONTRACTOR TO REMOVE AND DISPOSE OF OLD VALVE PIECES.

NO	REVISION	DATE

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

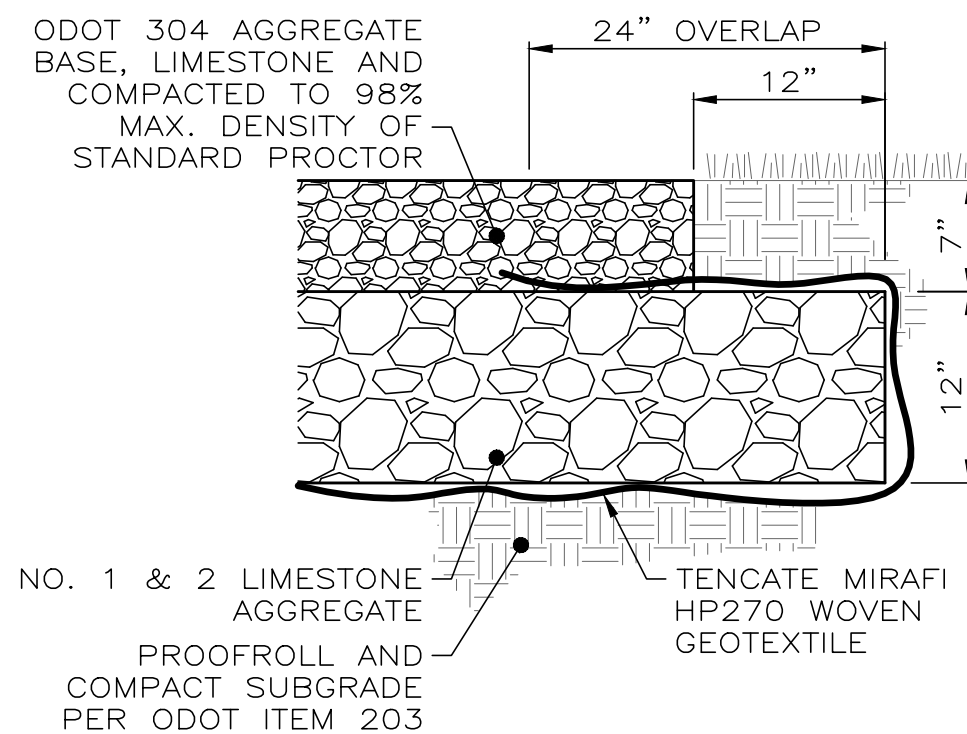
PROJECT NO: 242440	
DRAWING NAME	
SHEET 10	OF 15

H:\2024\242440\DWG\SHEETS\C_242440 - CONSTRUCTION DETAILS.DWG - CHECK AND SOLENOID VALVE REHABILITATION - 11/21/2024 10:25:01 AM - JOSH ROHRBACH



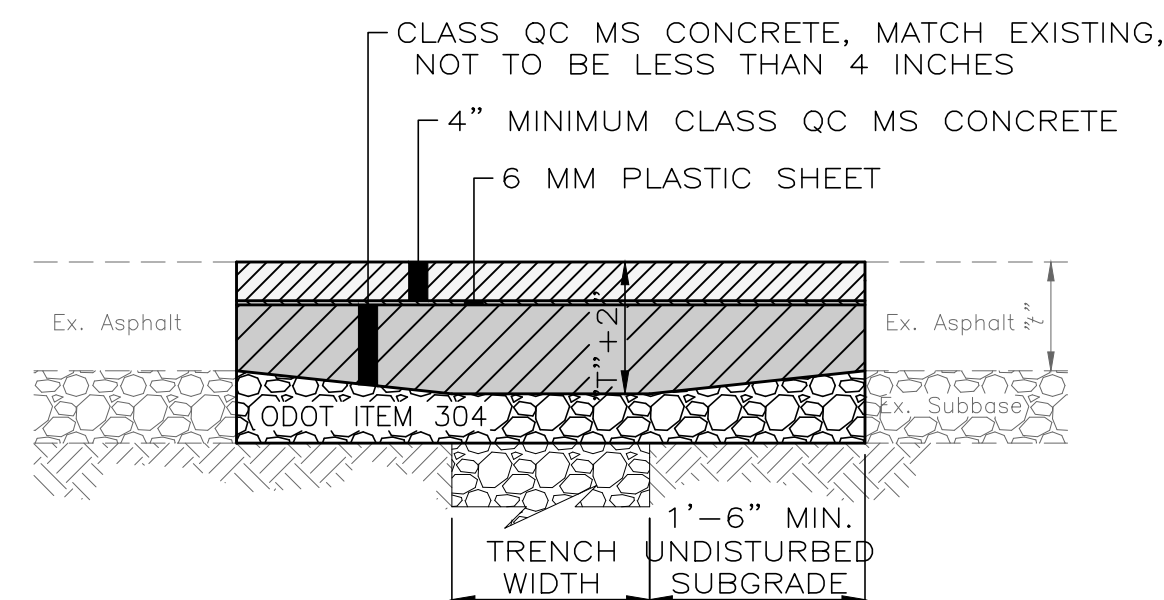
RESIDENTIAL GRAVEL DRIVEWAY DETAIL

SCALE: NONE



HEAVY DUTY GRAVEL ACCESS ROAD DETAIL

SCALE: NONE

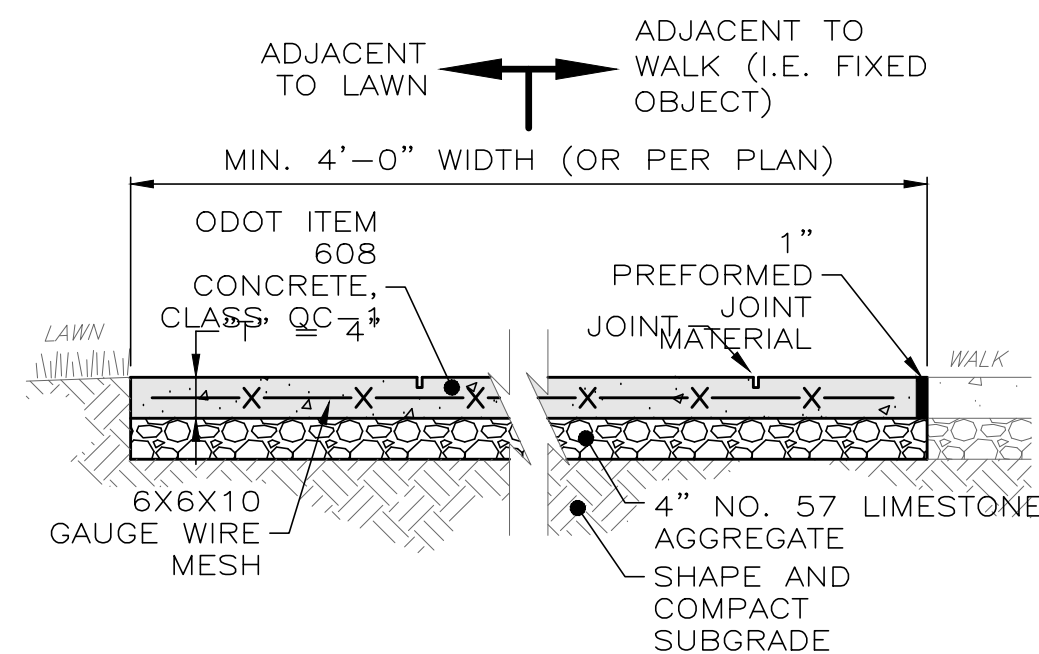


NOTES:

1. USE TEMPORARY PAVEMENT REPAIR OVER TRENCH DETAIL ONLY FOR WINTER TIME REPAIR.
2. ASPHALT PAVEMENT TO BE REMOVED SHALL BE SAW CUT IN A NEAT AND STRAIGHT LINE. ADDITIONAL SAW CUTS MAY BE DESIRED TO FACILITATE REMOVAL, BUT THERE WILL BE NO EXTRA PAYMENT.
3. PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAW CUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.

TEMPORARY PAVEMENT REPAIR DETAIL

SCALE: NONE

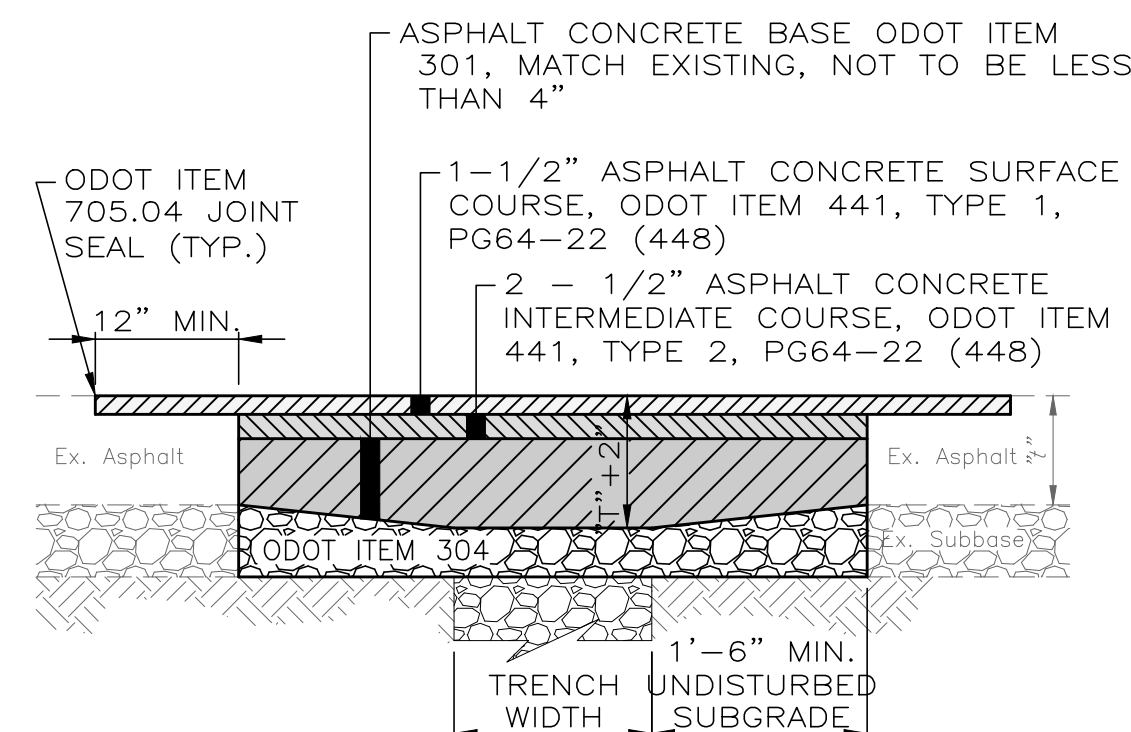


NOTES:

1. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL JOINTS. DIVIDE JOINTS INTO EQUALLY SPACED RECTANGULAR BLOCKS.
2. SAW CUT OR HAND TOOL JOINT 1/8" WIDE BY 1/4 OF "T" DEEP.
3. ROUND ALL EDGES AND JOINTS WITH A 1/4" RADIUS.
4. INSTALL PREFORMED JOINT MATERIAL EVERY 30', OR BETWEEN SIDEWALK AND FIXED OBJECT (I.E. MANHOLE, WALK, BUILDING). WALK SHOWN FOR REFERENCE ONLY.
5. LIGHTLY BROOM THE FINISH PERPENDICULAR TO THE WALKING PATH OR PER PLAN. IF HAND TOOLED JOINTS AND EDGES ARE SPECIFIED, FINISH AFTER PANEL INTERIOR TEXTURE HAS BEEN APPLIED (I.E. WINDOW PANE EFFECT).
6. APPLY LIQUID-MEMBRANE CURING COMPOUND (200 S.F./GAL.)

CONCRETE WALK DETAIL

SCALE: NONE

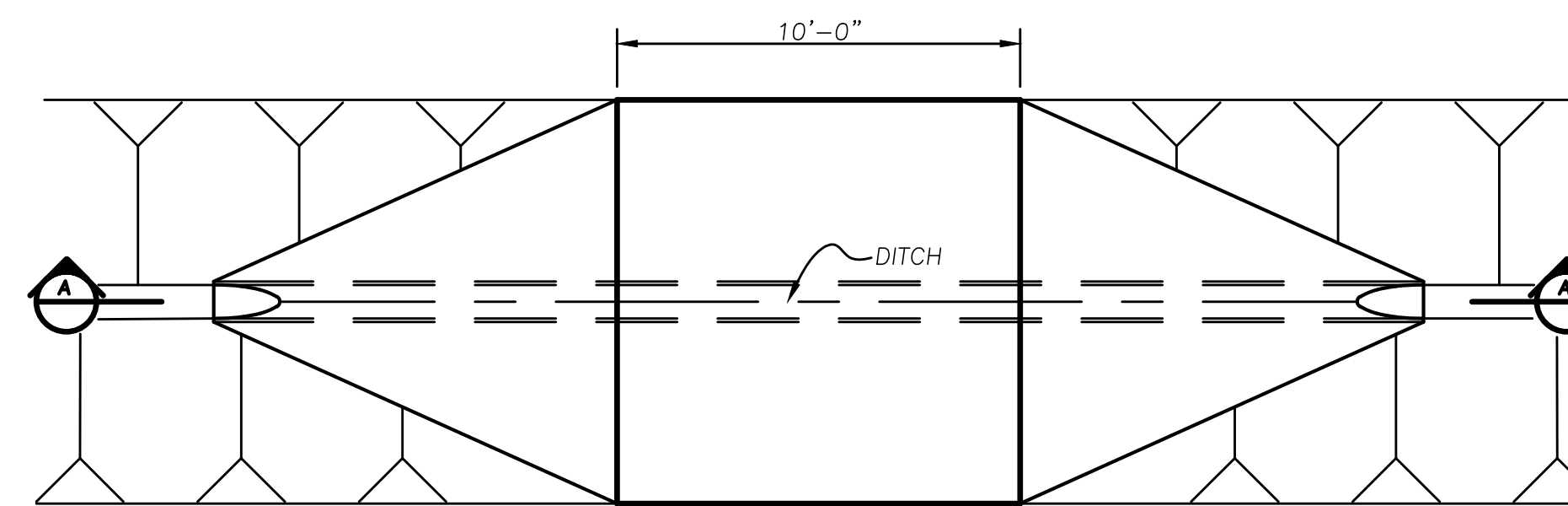


NOTES:

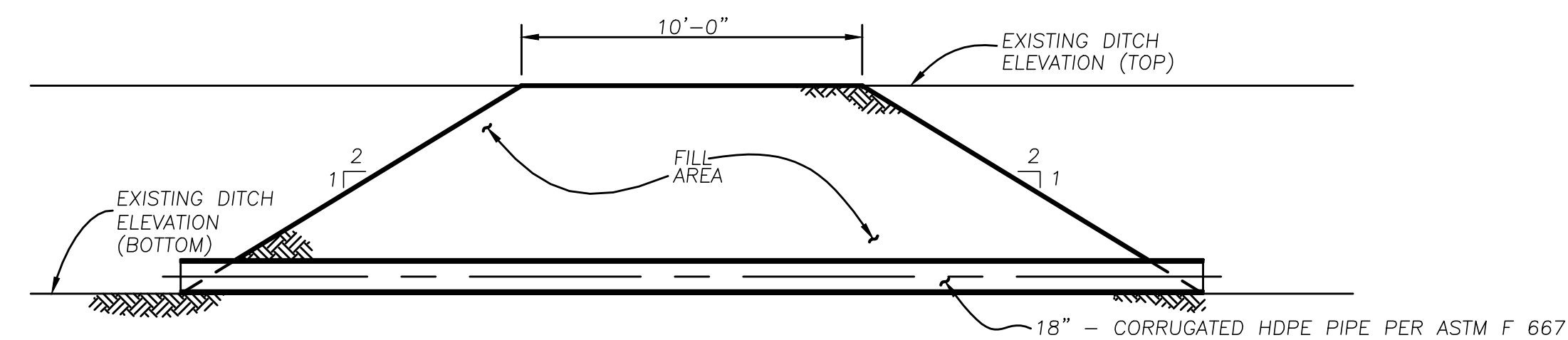
1. IF REPLACING PC CONCRETE FROM TEMPORARY PAVEMENT REPAIR OVER TRENCH DETAIL, REMOVE 4" OF CLASS QC MS CONCRETE AND PLASTIC SHEET, REPAIR WITH ASPHALT CONCRETE SURFACE COURSE AND ASPHALT CONCRETE INTERMEDIATE COURSE ACCORDING TO DETAIL SHOWN ABOVE.
2. ASPHALT PAVEMENT TO BE REMOVED SHALL BE SAW CUT IN A NEAT AND STRAIGHT LINE. ADDITIONAL SAW CUTS MAY BE DESIRED TO FACILITATE REMOVAL, BUT THERE WILL BE NO EXTRA PAYMENT.
3. PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAW CUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.
4. TACK COAT SHALL BE APPLIED TO THE EXPOSED EX. ASPHALT BASE COURSE AND ALL SIDES OF PATCH AT A RATE OF 0.4 GAL PER SY.
5. ODOT ITEM 705.04 JOINT SEALANT SHALL BE APPLIED AROUND THE EDGE OF PATCH.

ASPHALT PAVEMENT REPAIR DETAIL

SCALE: NONE



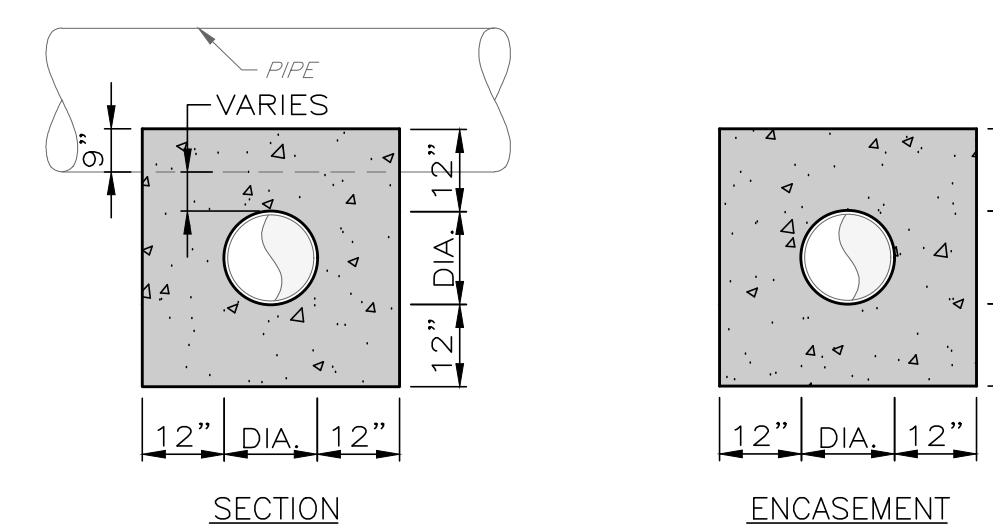
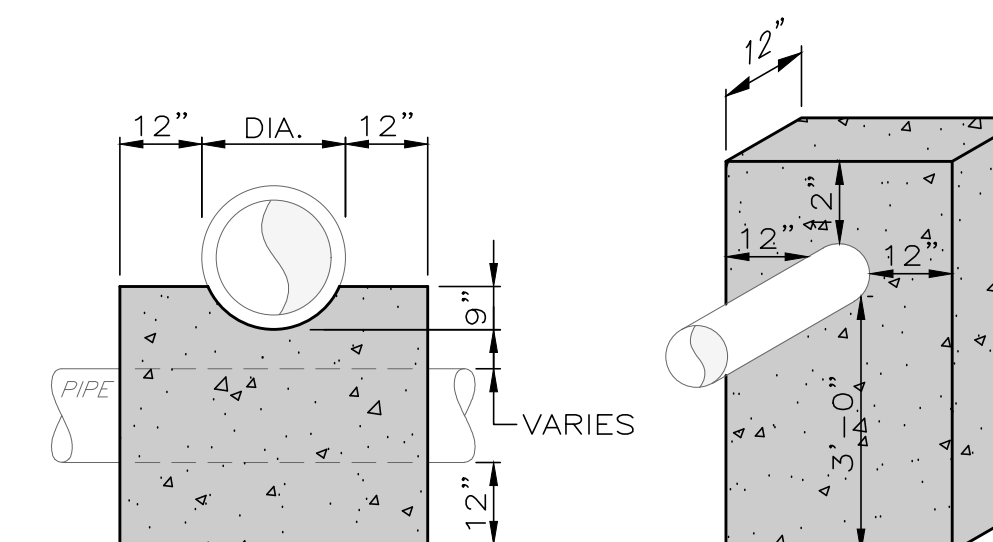
PLAN



NOTE:
CENTER CULVERT AT VAULT LOCATIONS AS SHOWN ON PLANS

DITCH ENCLOSURE DETAIL

NOT TO SCALE



NOTES:

1. CONCRETE SHALL BE ODOT ITEM 499, CLASS QC-1.

CONCRETE PIPE CRADLE DETAIL

SCALE: NONE

NO	REVISION	DATE

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

PROJECT NO:
242440
DRAWING NAME

SHEET	OF
11	15

ITEM 614 - MAINTAINING TRAFFIC:

- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HEREINAFTER REFERRED TO AS THE MANUAL, AND SHALL BE FURNISHED, ERECTED, MAINTAINED, RELOCATED AND REMOVED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS BARRICADES, LIGHTING, FLAGGERS, PLASTIC DRUMS, FLASHING ARROW PANELS AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN ODOT ITEM 614, MAINTAINING TRAFFIC, SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED.
- TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE-IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC.
- CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 641.10 OF THE OHIO SPECIFICATIONS. BEFORE ANY SECTION OF ROADWAY IS MADE AVAILABLE TO USE BY TRAFFIC. ALL PERMANENT AND TEMPORARY PAVEMENT MARKINGS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. ANY DAMAGED OR FADED PAVEMENT MARKINGS SHALL BE CORRECTED WITHIN EIGHT HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE PROBLEM. IF WEATHER IS NOT CONDUCIVE TO PAVEMENT MARKING INSTALLATION THEN REPAIRS SHALL BE MADE ON THE FIRST WEATHER PERMISSIVE DAY AFTER NOTIFICATION.
- ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 APPLICABLE SECTIONS OF THE SPECIFICATIONS AS WELL AS THE MANUAL. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS, UNLESS OTHERWISE SEPARATELY ITEMIZED IN THE PLANS.

PROVIDING CONTINUOUS ACCESS TO RESIDENCES & BUSINESSES:

- THE CONTRACTOR SHALL PROVIDE DETAILS OF THE PROPOSED METHODS TO MAINTAIN SAFE AND CONTINUOUS ACCESS FOR VEHICLES, TRUCKS AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES AND INTERSECTING STREETS. THESE PLANS SHALL INCLUDE ALL TEMPORARY MATERIALS NECESSARY TO PROVIDE SAFE, ADEQUATE DRIVE SURFACES TO ALL ADJOINING PROPERTIES. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS. PLANS MUST BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO COMMENCING ANY WORK.
- SHOULD THE ENGINEER, AT ANY TIME PRIOR TO OR DURING CONSTRUCTION, DEEM ANY PART OF THE CONTRACTOR'S PLANS FOR SAFE AND CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES INADEQUATE, ADDITIONAL MATERIALS, CLOSURES AND/OR DIVERSIONS SHALL BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

NOTIFICATION TO PROPERTY OWNERS:

- THE CONTRACTOR SHALL NOTIFY ALL RESIDENCES AND BUSINESSES ALONG THE PROJECT ROUTE IN WRITING AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON THE PROJECT. SUCH NOTICE SHALL INCLUDE, AT A MINIMUM, A BRIEF PROJECT DESCRIPTION, TENTATIVE CONSTRUCTION SCHEDULE, LIMITS OF CONSTRUCTION, THE CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER, AS WELL AS A CONTACT PERSON'S NAME AND EMERGENCY PHONE NUMBER WHERE HE COULD BE REACHED DURING NON-WORK HOURS. THE NOTICE SHALL BE REVIEWED AND APPROVED BY THE CITY OF LORDSTOWN PRIOR TO BEING DISTRIBUTED. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 24 HOURS NOTICE TO THE INDIVIDUAL PROPERTY OWNERS PRIOR TO STARTING ANY WORK ON OR AFFECTING THE INDIVIDUAL'S PROPERTY. ALL COSTS ASSOCIATED WITH THE ABOVE SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS.

FAILURE TO COMPLY:

- FOR ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE MANUAL, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL BE CONSIDERED IN A CONDITION UNACCEPTABLE FOR THE SAFETY AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORKING AREA IN A CONDITION ACCEPTABLE FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

NOTIFICATION:

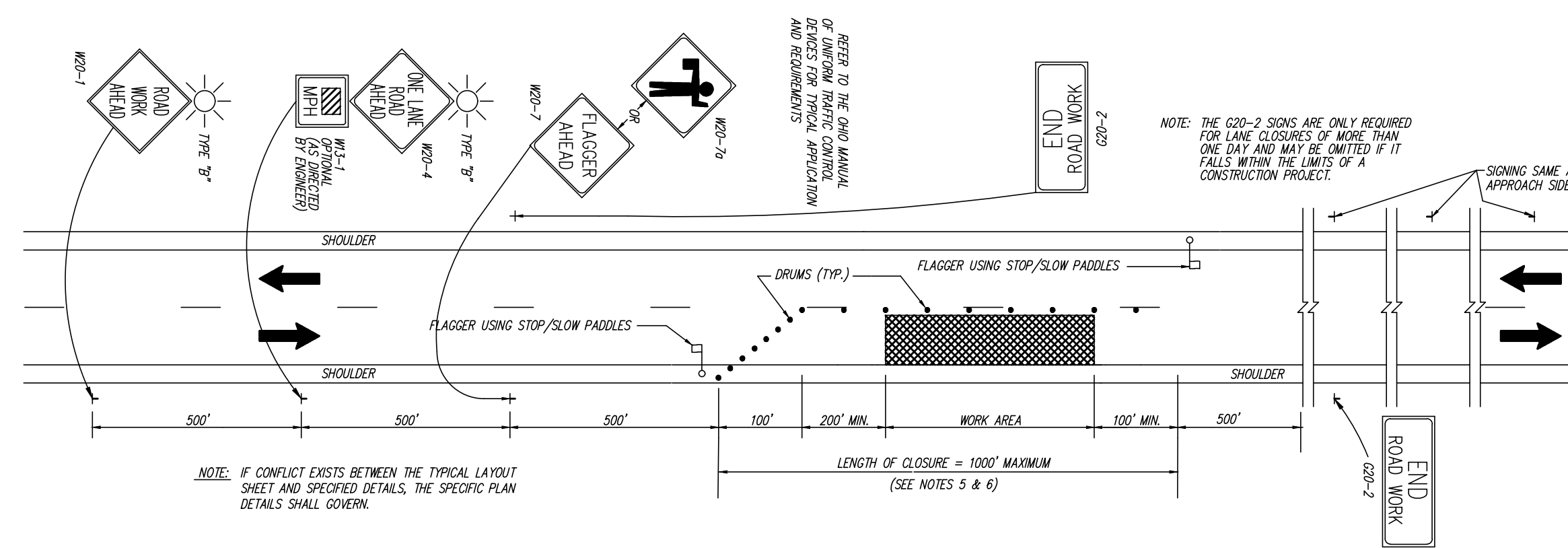
- THE CITY OF LORDSTOWN POLICE, FIRE, SERVICE DEPARTMENTS SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO THE ACTUAL START OF CONSTRUCTION.

VILLAGE OF LORDSTOWN POLICE DEPARTMENT
(330) 824-2545

LORDSTOWN FIRE DEPARTMENT
(330) 824-3795

MATERIALS FOR MAINTAINING TRAFFIC:

- SIGN DIMENSION AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE MANUAL OR SIGN DESIGN DRAWINGS PROVIDED IN THESE PLANS. THE SIGNS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER PRIOR TO THE START OF THE PROJECT. ALL COST FOR SUPPLY, INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS.
- SIGN SUPPORTS SHALL BE OF SUFFICIENT SIZES AND HEIGHT TO SUPPORT THE SIGNS AT THE HEIGHT INDICATED IN THE MANUAL. SUPPORTS SHALL ALSO BE ADEQUATE IN MASS AND STABILITY TO PREVENT SIGNS FROM BEING BLOWN OVER BY WIND OR VEHICULAR-GENERATED AIR TURBULENCE. ALL COSTS FOR SUPPLY, INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS.
- ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B SHALL BE PROVIDED FOR MAINTAINING DRIVEWAY ACCESS TO RESIDENCES AND BUSINESSES AND SIDE STREET ACCESS. ALL COSTS FOR SUPPLY, INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL THIS MATERIAL SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS.



NOTES:

- FLAGGERS, ONE FOR EACH DIRECTION, SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS A ONE-LANE OPERATION IS IN EFFECT. THE FLAGGERS SHALL BE ABLE TO COMMUNICATE WITH EACH OTHER AT ALL TIMES AND CONFORM TO OTHER REQUIREMENTS AS DESCRIBED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) IN PART6: TEMPORARY TRAFFIC CONTROL.
- DRUMS SHALL BE SPACED AT 20' CENTER TO CENTER ALONG THE CLOSURE. DRUMS ON THE ADVANCE TAPER SHALL BE SPACED AT 10' CENTER TO CENTER. CONES HAVING A MINIMUM HEIGHT OF 28" MAY BE SUBSTITUTED FOR DRUMS FOR DAYTIME LANE CLOSURES. PROVISIONS SHALL BE MADE TO STABILIZE THE CONES TO PREVENT THEM FROM BLOWING OVER.
- THE LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT. THE DISTANCES SHOWN ARE MINIMUMS.
- WITHIN THE LENGTH OF CLOSURE, PROVISIONS SHALL BE MADE TO CONTROL TRAFFIC ENTERING FROM INTERSECTING STREETS AND DRIVES AS NECESSARY TO PREVENT WRONG WAY MOVEMENTS.
- THE ENGINEER MAY SHORTEN THE MAXIMUM ALLOWABLE LENGTH OF CLOSURE TO RELIEVE EXCESSIVE TRAFFIC BACKUPS. ALL TRAFFIC CONTROL SIGNS, CHANNELIZING DEVICES AND THE FLAGGER SHALL BE MOVED FORWARD BEFORE THE CLOSURE REACHES THE MAXIMUM ALLOWABLE LENGTH. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED AT ANY ONE TIME.
- PAYMENT FOR ALL OF THE ABOVE, UNLESS ITEMIZED SEPARATELY, SHALL BE INCLUDED IN THE COST OF OTHER BID ITEMS.

CLOSING ONE LANE BY USE OF FLAGGER OPERATION

NOT TO SCALE



NO	REVISION	DATE

Village of Lordstown, Ohio
Meter Vault Rehabilitation &
Air Release Valve Replacements

SCALE:	AS SHOWN
DATE:	11/21/2024
DESIGNED BY:	AEF
DRAWN BY:	JCR
CHECKED BY:	AEF

MAINTENANCE OF
TRAFFIC

PROJECT NO:	
242440	
DRAWING NAME	
SHEET	OF
12	15

SITE INFORMATION

PROJECT INFORMATION:
SALT SPRINGS ROAD
VILLAGE OF LORDSTOWN, TRUMBULL COUNTY, OH 44481
LATITUDE: 00.0000 LONGITUDE: -90.0000

OWNER INFORMATION:
THE VILLAGE OF LORDSTOWN
1455 SALT SPRINGS ROAD, LORDSTOWN, OHIO 44481
CONTACT: DARREN BIGGS
PHONE: (330) 824-2481

SITE-CIVIL ENGINEER INFORMATION:
CT CONSULTANTS, INC.
3875 EMBASSY PKWY
AKRON, OH 44333
CONTACT: ALAN FRYGIER, PE
PHONE: 330-247-3737

TYPE OF CONSTRUCTION:
 NEW MAINTENANCE REDEVELOPMENT

TYPE OF PROJECT:
 RETAIL COMMUNITY MIXED USE
 OFFICE RECREATION RESIDENTIAL
 MEDICAL PUBLIC SAFETY RESTAURANT
 UTILITY EDUCATION APARTMENT
 ROAD INDUSTRIAL MANUFACTURING

DESCRIPTION OF PROJECT:
REMOVING CURRENT AIR RELEASE VALVE AND AIR RELEASE VALVE VAULT. INSTALLING NEW PRECAST AIR RELEASE VALVE VAULT AND AIR RELEASE ASSEMBLY AT NINE LOCATIONS ALONG SALT SPRINGS ROAD.

SOIL DISTURBING ACTIVITIES INCLUDE:
EROSION AND SEDIMENT CONTROL INSTALLATION; REMOVAL OF VEGETATION, TOPSOIL, EXISTING AIR RELEASE VALVE VAULT, EXCAVATION; AND INSTALLATION OF NEW AIR RELEASE VALVE VAULT.

NAME OF RECEIVING STREAM, SURFACE WATER OR MS4:
VILLAGE OF LORDSTOWN/TRUMBULL COUNTY STORM SEWER SYSTEM.

QUALITY OF STORM WATER DISCHARGE FROM SITE:
UNKNOWN

ESTIMATED CONSTRUCTION START DATE: 1/1/2025
ESTIMATED CONSTRUCTION COMPLETION DATE: 7/1/2025

STABILIZATION TYPE	YEAR											
	J	F	M	A	M	J	J	A	S	O	N	D
TEMPORARY SEEDING												
PERMANENT SEEDING												
SODDING												
MULCHING												
PAVING												

IRRIGATION NEEDED

- GENERAL NOTES**
- THIS SWP3 HAS BEEN PREPARED SHOWING THE ITEMS LISTED BELOW, BUT THE CONTRACTOR MAY NEED TO MOVE OR ADD ITEMS AS CONSTRUCTION PROGRESSES OR DURING THE VARIOUS STAGES OF CONSTRUCTION. SOME ITEMS MAY ALREADY BE SHOWN ON THE SWP3, BUT MOVED TO BETTER SUIT THE CONTRACTOR'S MEANS AND METHODS.
 - LIMITS OF EARTH DISTURBING ACTIVITY
 - CONSTRUCTION ENTRANCE(S)
 - EROSION AND SEDIMENT CONTROL MEASURES
 - INLET PROTECTIONS
 - CONCRETE WASHOUT PIT(S)
 - EQUIPMENT STAGING
 - FUEL STORAGE AND VEHICLE FUELING AREA
 - CONSTRUCTION TRAILER(S)
 - SANITATION FACILITY
 - MATERIAL STOCKPILE LOCATION(S)
 - CHEMICAL COMPOUND MIXING AND STORAGE AREA
 - ANY OTHER EROSION CONTROL REQUIRED
 - ALL WORK REQUIRED TO IMPLEMENT THE SWP3 INCLUDING INSPECTION FEES, MAINTENANCE AND REPAIRS SHALL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR.
 - THE CONTRACTOR SHALL AMEND THE SWP3 WHEN THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE THAT REQUIRES INSTALLATION OF BMPS OR MODIFICATION TO EXISTING BMPS.
 - ADDITIONAL OR DIFFERENT BMPS MAY BE NEEDED AS CONSTRUCTION PROGRESSES OR AS REQUIRED BY THE OWNER, SWCD OR OHIO EPA.
 - PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE LAND DISTURBED AT ANY ONE TIME AND LEAVE EXISTING VEGETATION IN PLACE AS LONG AS POSSIBLE.

- ADMINISTRATIVE NOTES**
- AN OHIO EPA NPDES PERMIT IS REQUIRED WHERE CONSTRUCTION ACTIVITIES DISTURB 1 OR MORE ACRES OF LAND, OR SMALLER SITES LESS THAN 1 ACRE THAT ARE PART OF A LARGER COMMON DEVELOPMENT. DISTURBED LAND IS LAND IN WHICH VEGETATION HAS BEEN CLEARED AND SOILS ARE EXPOSED TO STORM WATER. A NOI IS REQUIRED FOR THIS PROJECT AND MUST BE FILED WITH THE OHIO EPA AT LEAST 21 DAYS PRIOR TO THE START OF CONSTRUCTION BECAUSE THE TOTAL LAND DISTURBANCE IS GREATER THAN 1 ACRE.
 - THE CONTRACTOR SHALL FOLLOW THE PRACTICES AND REQUIREMENTS PROVIDED IN THE OHIO EPA NPDES CONSTRUCTION SITE STORMWATER GENERAL PERMIT OHC000005 AND THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL, AND BE RESPONSIBLE FOR ALL NPDES TERMS AND CONDITIONS UNTIL A NOT IS FILED.
 - NO CONSTRUCTION ACTIVITIES MAY BEGIN UNTIL ALL OF THE FOLLOWING OCCUR:
 - OHIO EPA NPDES AUTHORIZATION LETTER RECEIVED
 - THE CONTRACTOR FILES A CO-PERMITTEE APPLICATION TO THE OHIO EPA
 - THE CONTRACTOR ATTENDS A PRE-CONSTRUCTION MEETING WITH THE SWCD TO DISCUSS OHIO EPA NPDES PERMIT REQUIREMENTS
 - OHIO EPA APPLICATION FORMS (I.E. NOI, NOT, CO-PERMITTEE NOI/NOT, INDIVIDUAL LOT NOI/NOT AND PERMIT TRANSFER) ARE ONLY ACCESSIBLE ELECTRONICALLY VIA THE OHIO EPA STREAMS APPLICATION SUBMITTAL SYSTEM USING AN INDIVIDUAL EBUSINESS CENTER ACCOUNT. VISIT THE OHIO EPA'S ELECTRONIC BUSINESS SERVICES WEBSITE FOR MORE INFORMATION, GUIDANCE AND REPORTING QUESTIONS.
 - THE CONTRACTOR SHALL SELECT INDIVIDUALS TO BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND COMPLETING INSPECTION AND MAINTENANCE REPORTS. THE CONTRACTOR SHALL COMPLETE A "DELEGATION OF AUTHORITY FOR STORMWATER POLLUTION PREVENTION PLAN" AND PROVIDE A COPY TO THE OWNER AND SWCD.
 - ALL PROCEDURES AND REQUIREMENTS CONTAINED IN THIS SWP3 APPLY TO ALL GENERAL AND SUBCONTRACTORS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT, INFORM, REQUIRE AND ENFORCE ALL ASPECTS AND PROCEDURES OF THE SWP3. THE CONTRACTOR SHALL HAVE ALL SUBCONTRACTORS THAT ARE OR MAY BE ENGAGED IN ACTIVITIES THAT COULD IMPACT STORMWATER COMPLETE A "SUBCONTRACTOR AGREEMENT FOR EROSION AND SEDIMENT CONTROL", AND PROVIDE A COPY TO THE OWNER. EACH CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL FINES, DAMAGES AND LIABILITY RESULTING FROM FAILURE TO PROVIDE THE REQUIRED POLLUTION CONTROL.
 - THE CONTRACTOR SHALL KEEP ON-SITE COPIES OF THE NOI, NPDES, SW3P AND INSPECTION LOGS/REPORTS.
 - ALL EROSION AND SEDIMENT CONTROL WORK SHALL BE SUBJECT TO INSPECTION BY THE OHIO EPA.

EROSION CONTROL NOTES

AREA REQUIRING TEMPORARY STABILIZATION	
AREA WITHIN 50 FEET OF A SURFACE WATER, NOT AT FINAL GRADE AND TO REMAIN IDLE MORE THAN 14 DAYS	WITHIN 2 DAYS OF MOST RECENT DISTURBANCE
ANY OTHER AREA TO BE DORMANT MORE THAN 14 DAYS, BUT LESS THAN 1 YEAR	WITHIN 7 DAYS OF MOST RECENT DISTURBANCE
AREA TO REMAIN IDLE OVER WINTER	PRIOR TO ONSET OF WINTER WEATHER
AREA TO BE PAVED	STABILIZE WITH STONE SUBBASE UNTIL PAVED

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY CONTROLS
AREA TO BE DORMANT FOR 1 YEAR OR MORE	WITHIN 7 DAYS OF MOST RECENT DISTURBANCE
AREA WITHIN 50 FEET OF A SURFACE WATER AND AT FINAL GRADE	WITHIN 2 DAYS OF REACHING FINAL GRADE
ANY OTHER AREA AT FINAL GRADE	WITHIN 7 DAYS OF REACHING FINAL GRADE

- SEDIMENT CONTROL NOTES**
- INLET PROTECTION AND SEDIMENT BARRIERS MUST BE INSTALLED PRIOR TO CLEARING AND GRUBBING.
 - PERIMETER SEDIMENT BARRIERS MUST BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF CLEARING AND GRUBBING, AND CONTINUE TO FUNCTION UNTIL ALL DISTURBED UPLAND AREAS ARE STABILIZED.
 - SEDIMENT CONTROLS MUST POND RUNOFF TO BE CONSIDERED FUNCTIONAL.
 - SEDIMENT-LADEN TRENCH OR GROUND WATER MUST PASS THROUGH A SEDIMENT-SETTLING POND OR BE DEWATERED IN-PLACE USING A SUMP PIT, FILTER BAG OR OTHER COMPARABLE METHOD, PRIOR TO DISCHARGE FROM THE SITE.
 - TRENCH AND GROUND WATER FREE FROM SEDIMENT OR OTHER POLLUTANTS MAY BE DISCHARGED WITHOUT TREATMENT, PROVIDED THIS WATER DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT SOURCES.
 - SETTLED MATERIAL SHALL BE DISPOSED OF IN A STABILIZED LOCATION WHERE IT WILL NOT BE CARRIED OFF-SITE OR INTO A STORM SEWER BY RAINFALL.

- OTHER WASTE CONTROL NOTES**
- CONCRETE TRUCKS ARE NOT PERMITTED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS. ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, MUST BE DISPOSED OF IN A CONCRETE WASHOUT AREA TO COLLECT AND HARDEN.
 - OFF-SITE TRACKING OF SEDIMENT BY CONSTRUCTION VEHICLES MUST BE MINIMIZED. THE CONTRACTOR SHALL SWEEP ALL ADJACENT ROADS TO REMOVE MUD, DIRT OR ROCK TRACKED FROM THE SITE AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE DAY. DUMP TRUCKS HAULING MATERIAL FROM THE SITE SHALL BE COVERED WITH A TARP/AULIN.
 - IT IS PROHIBITED TO BURN, BURY OR POUR ONTO THE GROUND OR INTO STORM INLETS, DITCHES, STREAMS, WETLANDS OR ANY OTHER SURFACE WATERS SOLID OR LIQUID WASTE INCLUDING TRASH, CONSTRUCTION DEBRIS, SOLVENTS, PAINT, DIESEL FUEL, GASOLINE, MOTOR OIL, HYDRAULIC FLUID, CEMENT CURING COMPOUND, ANTIFREEZE OR OTHER TOXIC OR HAZARDOUS WASTE. WASTE MATERIALS SHALL BE COLLECTED IN A SECURELY LIDDED DUMPSTER, DISPOSED OF IN AN APPROVED LANDFILL AND EMPTIED AS NECESSARY.
 - FUEL TANKS, DRUMS AND OTHER CONTAINERS HOLDING CHEMICALS MUST BE STORED WITHIN A DIKED AREA WITH A VOLUME OF AT LEAST 110% OF THE LARGEST TANK. A DIKED AREA IS NOT NECESSARY IF A SELF-CONTAINED SPILL PROOF TANK IS USED.
 - ANY TOXIC OR HAZARDOUS MATERIAL SPILL, REGARDLESS OF SIZE, MUST BE REPORTED WITHIN 30 MINUTES TO THE LOCAL FIRE DEPARTMENT AND OHIO EPA.
 - CONTAMINATED SOIL, SOIL WHERE CONSTRUCTION CHEMICALS HAVE BEEN SPILLED OR HAZARDOUS WASTE MATERIALS MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
 - STORM WATER THAT COMES IN CONTACT WITH CONTAMINATED SOIL OR HAS A VISIBLE SHEEN MUST BE COLLECTED BY A VACUUM TRUCK AND DISPOSED OF AS A WASTE WATER.

- TMDLS AND BMPS SELECTED**
- APPLICABLE TMDLS FOR THE SITE:
 (X) PHOSPHORUS () AMMONIA (X) HABITAT
 (X) NITROGEN (X) BACTERIA () FLOW
 () SEDIMENT/TOTAL SUSPENDED SOLIDS
 (X) DISSOLVED OXYGEN/ORGANIC ENRICHMENT
 THE FOLLOWING BMPS ARE SELECTED TO ADDRESS APPLICABLE TMDLS FOR THE PROJECT:

 CONSTRUCTION SITE:
 () DEMARCATATE PROTECTED AREA BEFORE CONSTRUCTION
 (X) MAINTAIN PORTABLE TOILET AND EMPTY W/OUT SPILL
 (X) PROPER STORAGE OF LANDSCAPE FERTILIZER
 () MS4 MONTHLY INSPECTIONS DURING CONSTRUCTION
 (X) RESOLVE NON-COMPLIANCE SW3P INSPECTION ITEMS
 () FINAL INSPECTION TO ENSURE BMP IMPLEMENTATION

 TEMPORARY EROSION CONTROL:
 () CHECK DAMS () TEMPORARY DIVERSION
 () SLOPE DRAIN () STREAM UTILITY CROSSING
 () DEWATERING () STREAM CROSSING

 TEMPORARY SEDIMENT CONTROL:
 () SEDIMENT BASIN () SEDIMENT TRAP
 (X) SILT FENCE () INLET PROTECTION
 (X) FILTER SOCK () FILTER BERM

 SOIL STABILIZATION:
 (X) TOPSOIL CONTROL (X) PHASED DISTURBANCE
 (X) MULCHING (X) CLEARING AND GRUBBING
 () SODDING (X) TEMPORARY SEEDING
 () TOPSOILING (X) PERMANENT SEEDING
 () GRADE TREATMENT () CONSTRUCTION ENTRANCE
 () TEMPORARY ROLLED EROSION CONTROL PRODUCTS
 () TURF REINFORCEMENT MATTING
 (X) TREE AND NATURAL AREA PRESERVATION

 PERMANENT EROSION CONTROL:
 () GRASSED SWALE () ROCK LINED CHANNEL
 () LEVEL SPREADER () ROCK OUTLET PROTECTION
 () DIVERSION () SUBSURFACE DRAIN

 POLLUTION PREVENTION AND GOOD HOUSEKEEPING:
 (X) ROUTINE FACILITY INSPECTIONS
 (X) VISUAL ASSESSMENT OF STORM WATER DISCHARGE
 () ANNUAL COMPREHENSIVE SITE INSPECTION
 (X) SWEEP PARKING LOT AND DRIVE LANES
 () CLEAN CATCH BASINS
 (X) STORE WASTE IN LIDDED CONTAINERS
 (X) LOCATE SNOW DISPOSAL AREAS AWAY FROM BMPS
 () ESTABLISH "PICK-UP PET WASTE" STATION

 POST-CONSTRUCTION:
 () WETLAND SETBACK () STREAM SETBACK
 () WATER QUALITY POND () PERMEABLE PAVEMENT
 () GRASS FILTER STRIP () INFILTRATION TRENCH
 () TREE BOX FILTER () SAND FILTER
 () GREEN ROOF () LTMA
 () BIORETENTION AREA () CISTERN
 () BIORETENTION WITH INTERNAL WATER STORAGE
 () OPEN CHANNEL SWALES
 () WET EXTENDED DETENTION BASIN
 () DRY EXTENDED DETENTION BASIN WITH FOREBAY
 () RETROFIT SWMF TO TREAT WQV
 () RETROFIT SWMF TO INCREASE INFILTRATION
 () RETROFIT SWMF POND TO FUNCTION AS WETLAND
 () AS-BUILT POST-BMPS
 () SUBMIT LTMA ANNUAL MAINTENANCE REPORT TO MS4
 () REDUCE IMPERVIOUS SURFACES
 () DECREASE QUANTITY OF PARKING SPACES
 () LOW IMPACT DEVELOPMENT
 () CONSERVATION DEVELOPMENT
 () DISCONNECT DOWNSPOUT AND REDIRECT TO BMP
 () VEGETATE MAINTENANCE/STORAGE YARD OPEN AREAS
 () IMPLEMENT LOW-MOW OR NO-MOW PRACTICES
 () PEST MANAGEMENT PROGRAM

- MAINTENANCE REQUIREMENTS**
- BMPS SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL UPSLOPE AREAS THEY CONTROL ARE STABILIZED.
 - THE CONTRACTOR SHALL PROVIDE A QUALIFIED PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS, POSSESS THE TECHNICAL SKILLS TO ASSESS SITE CONDITIONS THAT COULD IMPACT STORM WATER QUALITY, AND CAN ASSESS THE EFFECTIVENESS OF ANY BMP SELECTED.
 - A QUALIFIED PERSON MUST INSPECT BMPS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A 0.5" OR GREATER RAINFALL IN A 24-HOUR PERIOD TO DETERMINE IF THE SWP3 WAS PROPERLY IMPLEMENTED.
 - THE QUALIFIED PERSON MUST PREPARE A WRITTEN REPORT AFTER EACH INSPECTION SUMMARIZING INSPECTION RESULTS INCLUDING THE FOLLOWING:
 - DATE OF INSPECTION
 - NAME AND QUALIFICATION OF THE INSPECTOR
 - WEATHER CONDITIONS
 - LOCATIONS WHERE IN-STREAM OR OFF-SITE SEDIMENTATION OR OTHER POLLUTANTS WERE OBSERVED.
 - LOCATIONS OF BMPS NEEDING MAINTENANCE.
 - LOCATIONS OF BMPS FAILING TO OPERATE CORRECTLY OR PROVIDE ADEQUATE PROTECTION.
 - LOCATION OF AREAS IN NEED OF ADDITIONAL BMPS NOT IN PLACE AT THE TIME OF INSPECTION.
 - CORRECTIVE ACTIONS REQUIRED, CHANGES TO THE SW3P AND IMPLEMENTATION DATES.
 - GRADING AND STABILIZATION ACTIVITY LOG
 - EROSION AND SEDIMENT CONTROL AMENDMENT LOG
 - ALL INCIDENCES OF NON-COMPLIANCE MUST BE IDENTIFIED IN THE REPORT. IF A REPORT DOES NOT IDENTIFY INCIDENCES OF NON-COMPLIANCE, IT MUST CONTAIN A CERTIFICATION THE SITE IS IN COMPLIANCE AT THE TIME OF INSPECTION.
 - BMP MAINTENANCE OR REPAIR MUST BE COMPLETED WITHIN 3 DAYS, AND SEDIMENT POND MAINTENANCE OR REPAIR WITHIN 10 DAYS, OF THE INSPECTION THAT REVEALED A DEFICIENCY.
 - WHEN AN INSPECTION REVEALS A BMP IS NOT EFFECTIVE AND A MORE APPROPRIATE BMP IS REQUIRED, THE SW3P SHALL BE AMENDED, THE NEW BMP INSTALLED WITHIN 10 DAYS OF THE INSPECTION THAT REVEALED THE DEFICIENCY, AND THE "STORMWATER POLLUTION PREVENTION PLAN AMENDMENT LOG" FORM COMPLETED.
 - WHEN AN INSPECTION REVEALS A BMP HAS NOT BEEN INSTALLED, BUT IS REQUIRED TO PROVIDE ADEQUATE CONTROL, IT MUST BE INSTALLED PRIOR TO THE NEXT STORM EVENT WHICH PRODUCES RUNOFF, BUT IN NO CASE LATER THAN 10 DAYS FROM THE INSPECTION THAT REVEALED THE DEFICIENCY.
 - THE INSPECTION FREQUENCY MAY BE REDUCED TO 1 TIME PER MONTH IF THE ENTIRE SITE IS TEMPORARILY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WINTER WEATHER (I.E. SUSTAINED SNOW COVER OR FROZEN GROUND CONDITIONS). A WAIVER OF INSPECTION REQUIREMENTS IS AVAILABLE UNTIL 1 MONTH BEFORE THAWING CONDITIONS ARE EXPECTED IF ALL THE FOLLOWING CONDITIONS ARE MET:
 - FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR EXTENDED PERIODS OF TIME (I.E. MORE THAN 1 MONTH).
 - SOIL DISTURBANCE ACTIVITIES HAVE BEEN SUSPENDED.
 - THE BEGINNING AND ENDING DATES OF THE WAIVER PERIOD ARE DOCUMENTED IN THE SW3P.
 - ONCE A DEFINABLE AREA HAS BEEN FULLY STABILIZED, IT MAY BE MARKED ON THE SW3P AND NO FURTHER INSPECTION REQUIREMENTS ARE REQUIRED FOR THAT AREA OF THE SITE.
 - INSPECTIONS SHALL BE PERFORMED UNTIL A NOT IS FILED WITH THE OHIO EPA.

- PERMIT CLOSURE REQUIREMENTS**
- FINAL STABILIZATION REQUIRES THE CONTRACTOR TO REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROLS FROM THE SITE AND ALL SEDIMENT TRAPPED BY THOSE CONTROLS BE PERMANENTLY STABILIZED.
 - THE CONTRACTOR SHALL COMPLETE A "FINAL CERTIFICATION AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL" UPON PROJECT COMPLETION AND PROVIDE A COPY TO THE OWNER AND SWCD.
 - ONCE CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SITE REACHES FINAL STABILIZATION, THE CONTRACTOR MUST TERMINATE THE NPDES PERMIT COVERAGE BY FILING A NOT WITH THE OHIO EPA WITHIN 45 DAYS OF FINAL STABILIZATION. FINAL STABILIZATION IS DEFINED AS AN ESTABLISHED VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF PERMANENT STABILIZATION, OVER ALL AREAS DISTURBED DURING CONSTRUCTION.
 - THE CONTRACTOR MUST MAINTAIN ALL REPORTS FOR 3 YEARS AFTER THE NOT IS FILED, AND PROVIDE DIGITAL COPIES TO THE OWNER AND SWCD.

- PERMIT CLOSURE REQUIREMENTS**
- FINAL STABILIZATION REQUIRES THE CONTRACTOR TO REMOVE ALL TEMPORARY SEDIMENT AND EROSION CONTROLS FROM THE SITE AND ALL SEDIMENT TRAPPED BY THOSE CONTROLS BE PERMANENTLY STABILIZED.
 - THE CONTRACTOR SHALL COMPLETE A "FINAL CERTIFICATION AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL" UPON PROJECT COMPLETION AND PROVIDE A COPY TO THE OWNER AND SWCD.
 - ONCE CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SITE REACHES FINAL STABILIZATION, THE CONTRACTOR MUST TERMINATE THE NPDES PERMIT COVERAGE BY FILING A NOT WITH THE OHIO EPA WITHIN 45 DAYS OF FINAL STABILIZATION. FINAL STABILIZATION IS DEFINED AS AN ESTABLISHED VEGETATIVE GROUND COVER OF AT LEAST 70% GROWTH DENSITY, OR OTHER MEANS OF PERMANENT STABILIZATION, OVER ALL AREAS DISTURBED DURING CONSTRUCTION.
 - THE CONTRACTOR MUST MAINTAIN ALL REPORTS FOR 3 YEARS AFTER THE NOT IS FILED, AND PROVIDE DIGITAL COPIES TO THE OWNER AND SWCD.

- SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES**
- HOLD A PRE-CONSTRUCTION MEETING TO DISCUSS OHIO EPA NPDES PERMIT REQUIREMENTS.
 - CONTRACTOR SUBMITS CONSTRUCTION SCHEDULE FOR CONSTRUCTION ACTIVITIES.
 - BEGIN INSPECTION, MAINTENANCE, RECORD KEEPING AND SITE POSTING OF BMPS.
 - ESTABLISH STAGING AREA AND NON-SEDIMENT BMPS.
 - INSTALL SILT FENCE, INLET PROTECTION AND CONSTRUCTION ENTRANCE.
 - INSTALL OTHER TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS AS SOON AS POSSIBLE, BUT NO LATER THAN 7 DAYS AFTER FIRST SOIL DISTURBANCE. INSPECT AND MAINTAIN BMPS FOR THE PROJECT DURATION UNTIL UPSLOPE AREAS ARE PERMANENTLY STABILIZED.
 - BEGIN CONSTRUCTION.
 - INSTALL DEWATERING MEASURES.
 - BEGIN EARTHWORK OPERATIONS.
 - APPLY TEMPORARY SEED.
 - INSTALL WATERLINE
 - INSTALL PAVEMENT IMPACTED BY WATERLINE INSTALLATION.
 - INSPECT AND CLEAN EXISTING STORM SEWERS AND INLETS.
 - APPLY PERMANENT SEED.
 - INSTALL LANDSCAPING.
 - CONTINUE INSPECTIONS, MAINTENANCE, RECORD KEEPING, AND SITE POSTING UNTIL FINAL STABILIZATION ACHIEVED.
 - REMOVE TEMPORARY BMPS FROM STORM SEWER AND INLETS, AND OPEN GUTTERS AND DITCHES TO OBTAIN FREE DRAINAGE.
 - DISPOSE OF ALL DEBRIS AND WASTE MATERIAL.



NO	REVISION	DATE

**Village of Lordstown, Ohio
Meter Vault Rehabilitation &
Air Release Valve Replacements**

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

SWPPP - 1

PROJECT NO:
242440
DRAWING NAME
SHEET **13** OF **15**

DELEGATION OF AUTHORITY FOR EROSION AND SEDIMENT CONTROL

PROJECT NAME: _____

PROJECT ADDRESS: _____

I, _____, HEREBY DESIGNATE THE PERSON OR DESCRIBED POSITION BELOW TO BE A DULY AUTHORIZED REPRESENTATIVE FOR THE PURPOSE OF OVERSEEING COMPLIANCE WITH ENVIRONMENTAL REQUIREMENTS, INCLUDING THE OHIO EPA NPDES CONSTRUCTION GENERAL PERMIT, AT THE DESIGNATED PROJECT. THE DESIGNEE IS AUTHORIZED TO SIGN REPORTS, STORM WATER POLLUTION PREVENTION PLANS (SWP3) AND OTHER DOCUMENTS AS REQUIRED BY THE NPDES PERMIT.

NAME OF QUALIFIED PERSON AND/OR POSITION _____

COMPANY NAME _____ PHONE NO. _____

STREET ADDRESS _____

BY SIGNING THIS AUTHORIZATION, I CERTIFY UNDER THE PENALTY OF LAW THAT ALL REQUIRED DOCUMENTS WILL BE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON(S) WHO MANAGES THE SYSTEM OR IS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION TO BE SUBMITTED WILL BE, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME _____ PHONE NO. _____

STREET ADDRESS _____

PRINT NAME AND TITLE _____

SIGNATURE _____ DATE _____

SUBCONTRACTOR AGREEMENT FOR EROSION AND SEDIMENT CONTROL

PROJECT NAME: _____

PROJECT ADDRESS: _____

BY SIGNING THIS AGREEMENT, I CERTIFY UNDER THE PENALTY OF LAW THAT I HAVE READ AND UNDERSTAND THE TERMS AND CONDITIONS OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) FOR THE DESIGNATED PROJECT AND AGREE TO FOLLOW THE PRACTICES DESCRIBED. AS A SUBCONTRACTOR, I AM REQUIRED TO COMPLY WITH THE SWP3 FOR ANY WORK I PERFORM AT THE PROJECT. IT IS MY RESPONSIBILITY TO OBTAIN A COPY OF THE SWP3 FROM THE CONTRACTOR AND TO ADVISE MY EMPLOYEES WORKING ON THIS PROJECT OF THE REQUIREMENTS. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES OR LOSS OF CONTRACT FOR VIOLATING ANY CONDITION OF THE SWP3, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME _____ PHONE NO. _____

STREET ADDRESS _____

PRINT NAME AND TITLE _____

SIGNATURE _____ DATE _____

DESCRIPTION OF CONSTRUCTION SERVICE(S) I AM TO PROVIDE:

FINAL CERTIFICATION AND NOTIFICATION FOR EROSION AND SEDIMENT CONTROL

PROJECT NAME: _____

PROJECT ADDRESS: _____

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED FOR THE DESIGNATED PROJECT. BASED ON MY INQUIRY OF THE PERSON(S) WHO MANAGED THE SYSTEM OR DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THERE ARE SUBSTANTIAL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

COMPANY NAME _____ PHONE NO. _____

STREET ADDRESS _____

PRINT NAME AND TITLE _____

SIGNATURE _____ DATE _____

GRADING AND STABILIZATION ACTIVITY LOG

PROJECT NAME: _____ SHEET NO.: _____

PROJECT ADDRESS: _____

DATE GRADING ACTIVITY INITIATED	DESCRIPTION OF GRADING ACTIVITY	DATE GRADING ACTIVITY CEASED	STABILIZATION MEASURE INITIATED		DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY)
			DATE	TYPE	
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				<input type="checkbox"/> TEMP. <input type="checkbox"/> PERM.	
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				<input type="checkbox"/> TEMP. <input type="checkbox"/> PERM.	

EROSION AND SEDIMENT CONTROL AMENDMENT LOG

PROJECT NAME: _____ SHEET NO.: _____

PROJECT ADDRESS: _____

AMENDMENT NO.	DATE OF AMENDMENT	DESCRIPTION OF AMENDMENT	DESCRIPTION OF STABILIZATION MEASURE AND LOCATION (ATTACH SKETCH IF NECESSARY)



NO	REVISION	DATE

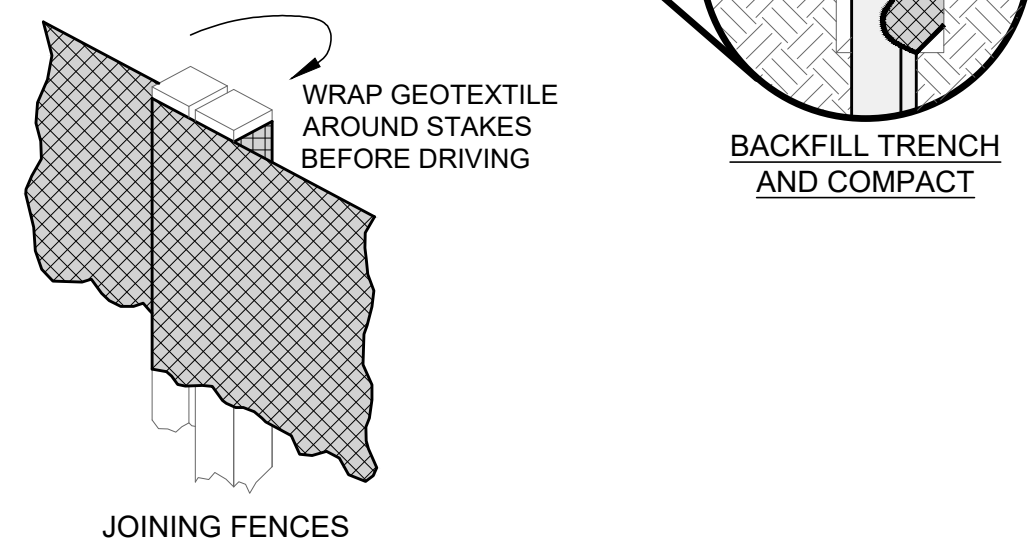
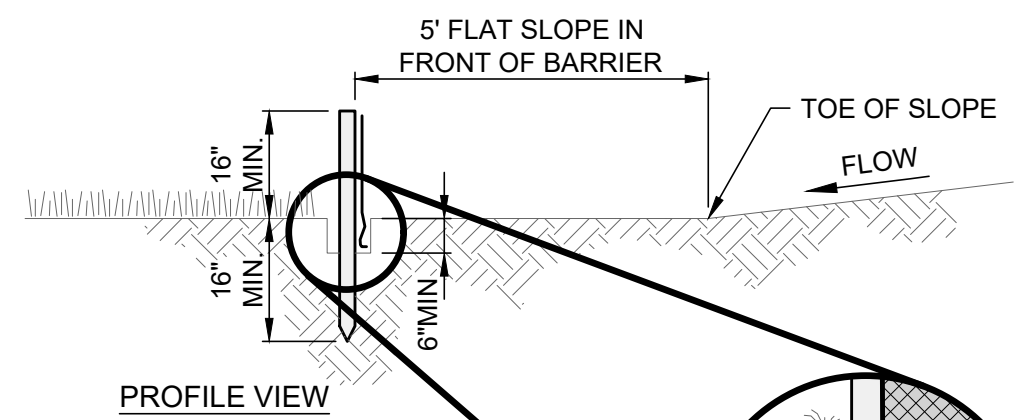
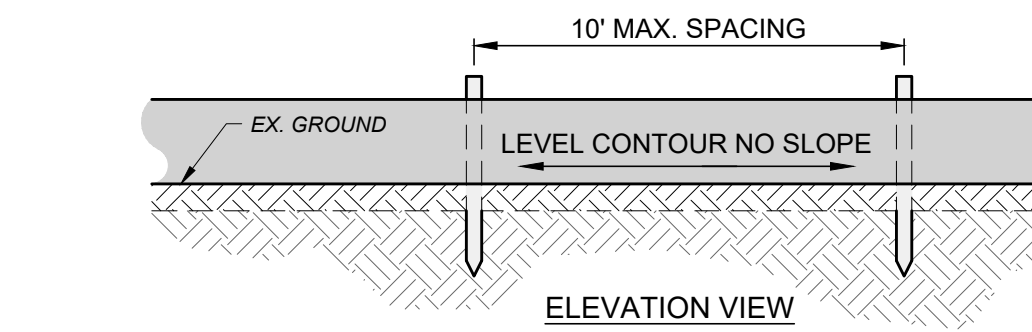
**Village of Lordstown, Ohio
Meter Vault Rehabilitation &
Air Release Valve Replacements**

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

SWPPP - 2

PROJECT NO: 242440	
DRAWING NAME	
SHEET	OF
14	15

H:\2024\242440\DWG\SHEETS\C_242440 - SWPPP.DWG - SWPPP - 2 - 11/21/2024 10:34:01 AM - JOSH ROHRBACH

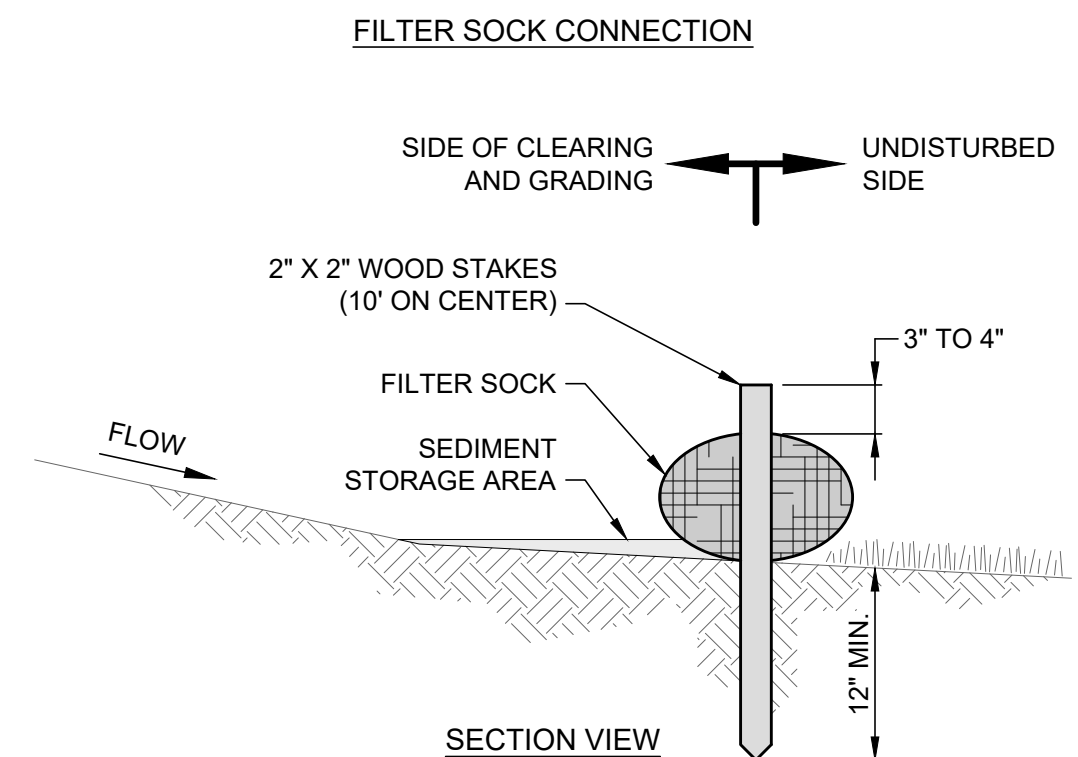
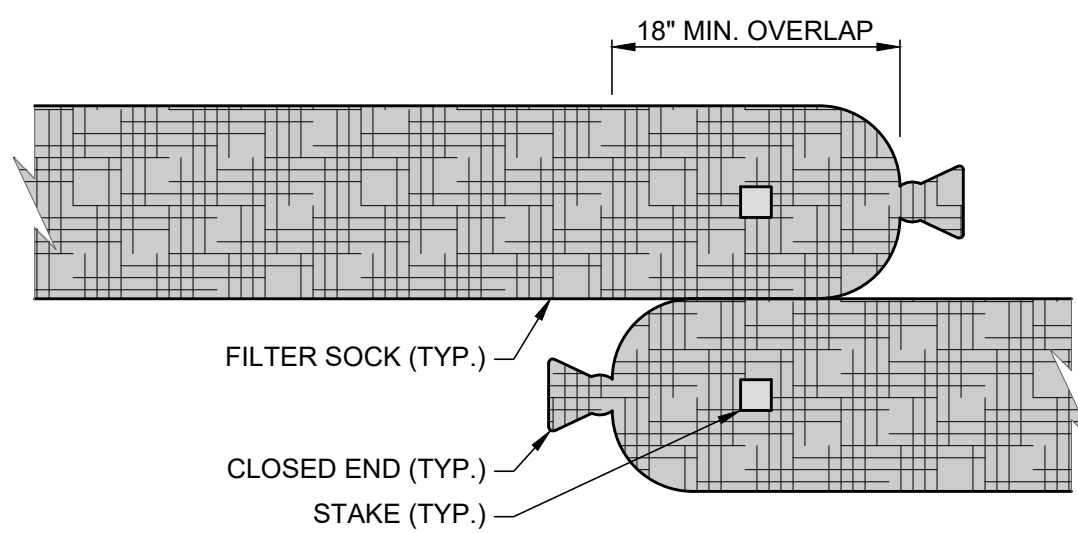


- NOTES:**
- PRESERVE VEGETATION FOR 5 FEET OR AS MUCH AS POSSIBLE UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
 - SILT FENCE MAY ONLY PASS RUNOFF AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, THEN CHANGE THE LAYOUT OF THE SILT FENCE, REMOVE ACCUMULATED SEDIMENT OR INSTALL OTHER PRACTICES.
 - SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, VERIFICATION FABRIC IS SECURELY ATTACHED TO FENCE POSTS, AND VERIFICATION FENCE POSTS ARE FIRMLY IN THE GROUND. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED 1/3 THE FENCE HEIGHT.
 - THE MAXIMUM DRAINAGE AREA PER 100 FEET OF SILT FENCE IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE PER THE CHART BELOW:

MAX. DRAINAGE AREA (AC.) PER 100-FT OF SILT FENCE (*)	RANGE OF SLOPE PER INDIVIDUAL DRAINAGE AREA
0.50 AC.	<2% (50H:1V)
0.25 AC.	≥2% (50H:1V) BUT <20% (5H:1V)
0.125 AC.	≥20% (5H:1V) BUT <50% (2H:1V)

(*) SILT FENCE CANNOT BE USED FOR SLOPES ≥50% (2H:1V).

SILT FENCE DETAIL
SCALE: NONE



- NOTES:**
- FILTER SOCKS SHALL BE CONTINUOUS, TUBULAR, HDPE KNITTED MESH NETTING MATERIAL, FILLED WITH COMPOST.
 - COMPOST SHALL BE WEED, PATHOGEN AND INSECT FREE, FREE OF REFUSE, CONTAMINANTS OR MATERIALS TOXIC TO PLANT GROWTH, BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER, AND CONSIST OF PARTICLES RANGING FROM 3/8" TO 2".
 - FILTER SOCKS SHALL BE PLACED ON A LEVEL LINE ACROSS SLOPES PARALLEL TO THE BASE OF THE SLOPE. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND MID-SLOPE.
 - THE FLAT DIMENSION OF THE SOCK SHALL BE AT LEAST 1.5 TIMES THE NOMINAL DIAMETER.
 - FILTER SOCKS SHALL BE PLACED AT LEAST 5' FROM THE TOE OF SLOPE FOR SEDIMENT DEPOSIT.
 - TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
 - BUILT UP SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED 1/3 THE FILTER SOCK HEIGHT.
 - BIODEGRADABLE FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - WHEN A FILTER SOCK IS NO LONGER REQUIRED, IT SHALL BE DISPERSED ON-SITE.
 - THE MAXIMUM DRAINAGE AREA PER 100 FEET OF FILTER SOCK IS 1/2 ACRE AND IS DEPENDENT ON THE SLOPE PER THE CHARTS BELOW:

MAX. DRAINAGE AREA (AC.) PER 100-FT OF FILTER SOCK (*)	RANGE OF SLOPE PER INDIVIDUAL DRAINAGE AREA
0.50 AC.	<2% (50H:1V)
0.25 AC.	≥2% (50H:1V) BUT <20% (5H:1V)
0.125 AC.	≥20% (5H:1V) BUT <50% (2H:1V)

(*) FILTER SOCK CANNOT BE USED FOR SLOPES ≥50% (2H:1V).

SLOPE (%)	RATIO (H:V)	MAX. SLOPE LENGTH ABOVE FILTER SOCK		
		12"	18"	24"
0% TO <2%	0 TO <50:1	250'	300'	350'
≥2% TO <10%	≥50:1 TO <10:1	125'	200'	25'
≥10% TO <20%	≥10:1 TO <5:1	100'	150'	200'
≥20% TO <50%	≥5:1 TO ≥2:1	50'	75'	100'

FILTER SOCK DETAIL
SCALE: NONE

- NOTES:**
- THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
 - SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH VEGETATION. PERFORM SOIL TESTS TO PREDICT THE NEED FOR LIME OR FERTILIZER. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS.
 - APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING, AND LIGHTLY TAMPING INTO PLACE.
 - MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
 - INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.

TEMPORARY SEEDING SPECIES SELECTION			
DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1 - AUGUST 15	OATS	3	128
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
AUGUST 16 - OCTOBER 31	RYE	3	112
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
NOVEMBER 1 - FEBRUARY 28	WHEAT	3	120
	TALL FESCUE	1	40
	PERENNIAL RYEGRASS	1	40
ONLY MULCH OR DORMANT SEEDING.			

TEMPORARY SEEDING DETAIL

- NOTES:**
- SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
 - THE SEED BED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
 - APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED BETWEEN MARCH 1 AND MAY 31 OR AUGUST 1 AND SEPTEMBER 30. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. SEEDING SHOULD NOT BE APPLIED BETWEEN OCTOBER 1 AND NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. IF SEEDING MUST OCCUR, INCREASE THE SEEDING RATE BY 50% AND ANCHOR. APPLY ADDITIONAL MULCH AND IRRIGATION AS REQUIRED TO ENSURE GERMINATION.
 - MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING.
 - SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS.
 - SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF SEEDING. DURING THIS PERIOD INSPECT FOR SOIL EROSION OR VEGETATION LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED AND RE-MULCH AS NEEDED.
 - ADEQUATE PERMANENT VEGETATION SHALL BE GROUND COVER DENSE ENOUGH TO COVER 80% OF THE SOIL SURFACE BASED ON VISUAL INSPECTION.

PERMANENT SEEDING FERTILIZATION AND MOWING CHART				
MIXTURE	FORMULA	LB/AC.	TIME	MOW
CREeping RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	≥3"
TALL FESCUE	10-10-10	500		≥4"
TURF-TYPE FESCUE	10-10-10	500		
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

PERMANENT SEEDING SPECIES SELECTION		
SEED MIX	SEED RATE LB/AC.	NOTES:
GENERAL USE		
CREeping RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	20 - 40 10 - 20 20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH <2.0 FT./SEC. VELOCITY
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
STEEP BANKS OR CUT SLOPES		
TALL FESCUE	40 - 50	
CROWN VETCH TALL FESCUE	10 - 20 20 - 30	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESCUE	20 - 25 20 - 30	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE KENTUCKY BLUEGRASS	90 5	
LAWN		
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	100 - 120 100 - 120	
KENTUCKY BLUEGRASS CREeping RED FESCUE	100 - 120 100 - 120	FOR SHADED AREAS

PERMANENT SEEDING DETAIL

NO	REVISION	DATE

SCALE: AS SHOWN
DATE: 11/21/2024
DESIGNED BY: AEF
DRAWN BY: JCR
CHECKED BY: AEF

PROJECT NO: 242440	
DRAWING NAME	
SHEET	OF
15	15