FINAL ENGINEERING PLANS

FOR

BALTIMORE FORCE MAIN

Baltimore, OH

PROJECT TEAM

OWNER

VILLAGE OF BALTIMORE 103 W MARKET ST. BALTIMORE, OH 43105 740 862 4491

> <u>MAYOR</u> BRAD NICODEMUS

> > COUNCIL

CHUCK KELLER (PRESIDENT)
BRANDY MCCREERY
WAID COSGRAY
RICK FOREMAN
DEBBIE SCHAFFNER
DARLA REEDY

FISCAL OFFICER/CLERK OF COUNCIL
BRIAN BIBLER

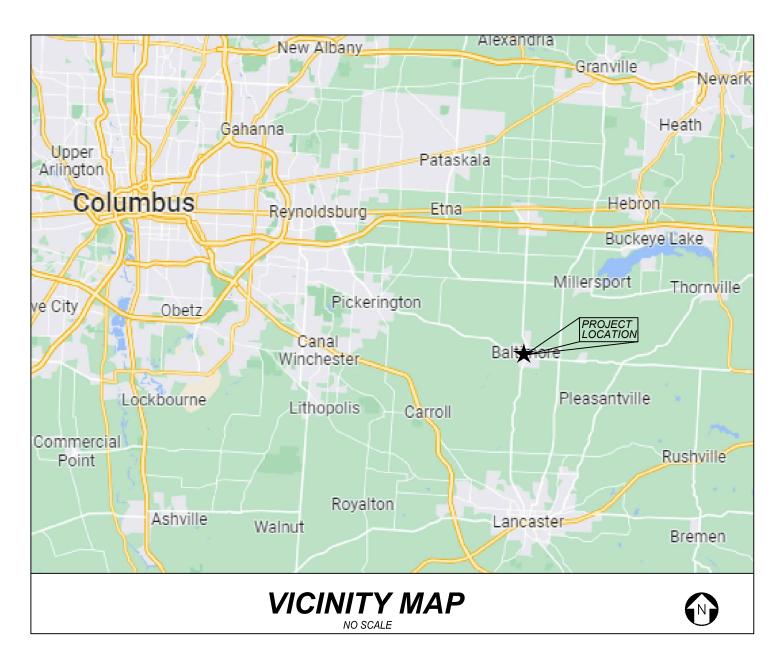
SOLICITOR
JEFFREY FEYKO

<u>ADMINISTRATOR</u> TIM LITTLE (INTERIM)

SERVICE SUPERVISOR
TIM BOUCHER

ENGINEER

V3 Companies, Ltd.
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Project Manager: Mike Crane, P.E.
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CIVIL ENGINEERING PLANS

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TITLE SHEET
BALTIMORE FORCE MAIN

TIM LITTLE ~ VILLAGE ADMINISTRATOR

//-/0-2022 DATE

STANDARD DRAWINGS

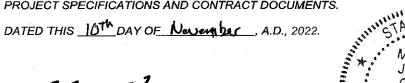
THE CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS LISTED BELOW SHALL BE CONSIDERED A PART OF THESE PLANS.

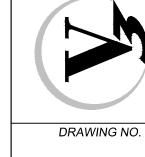
CITY OF COLUMBUS



PROFESSIONAL ENGINEER'S CERTIFICATION

I, Main Crows A LICENSED PROFESSIONAL ENGINEER OF OHIO, HEREBY CERTIFY THAT THE CIVIL ENGINEERING PLANS WERE PREPARED ON BEHALF OF OWNER BY V3 COMPANIES, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.





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OHIO EPA REVISION SUBMISSION DATE: 12/06/2022

GENERAL NOTES

NOT ALL NOTES ARE APPLICABLE TO EACH PROJECT, AND SOME PROJECTS MAY HAVE SUPPLEMENTAL NOTES NOT

- 1. THE LATEST EDITION OF THE VILLAGE OF BALTIMORE STANDARD CONSTRUCTION DRAWINGS, THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, ALONG WITH THE CURRENT ODOT SPECIFICATIONS, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE A PART OF THE PLANS, UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR SHALL NOTIFY THE VILLAGE ADMINISTRATOR OF THE VILLAGE OF BALTIMORE 48 HOURS PRIOR TO COMMENCING WORK ON THE PROJECT, HOLIDAYS AND WEEKENDS EXCLUDED. WORK SHALL NOT COMMENCE UNTIL THE AFTER THE DATE ESTABLISHED IN THE NOTICE TO PROCEED AND A PRECONSTRUCTION MEETING IS HELD.
- THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- 4. ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL OF THE MUNICIPAL ENGINEER.
- THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND UTILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE PLANS AS ACCURATELY AS PROVIDED BY THE UTILITY OWNER AS REQUIRED BY SECTION 153.64 O.R.C. THE VILLAGE OF BALTIMORE AND THE DESIGN ENGINEER ASSUME NO LIABILITY AS TO THE ACCURACY, DEPTH, OR ANY ADDITIONAL COSTS INCLUDING DELAYS AS A RESULT OF THE LOCATION OF THE UNDERGROUND UTILITY.

UTILITIES SHOWN ARE FROM BEST AVAILABLE RECORDS AND FIELD INVESTIGATIONS, AND ARE NOT NECESSARILY COMPLETE OR EXACT. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL UTILITIES AND APPURTENANCES WHETHER SHOWN ON THE DRAWINGS OR NOT. THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (800-362-2764) 72 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.

SANITARY SEWER: ELECTRIC:

Village of Baltimore American Electric Power
103 W. Market Street 850 Tech Center Drive
Baltimore, Ohio 43105 Gahanna, Ohio 43130
(740) 862-4368 (800) 277-2177

STORM SEWER:

Village of Baltimore
550 W. Water Street
Baltimore, Ohio 43105
(740) 862-6060

GAS:

Columbia Gas of Ohio
2429 N. Linden Ave.
Zanesville, Ohio 43701

WATER: Village of Baltimore 103 W. Market Street Baltimore, Ohio 43105

(740) 862-4368

CABLE: Time Warner Communications 3760 Interchange Dr. Columbus, Ohio 43204 (614) 255-6349

THIS PARTIAL LISTING OF LOCAL UTILITIES IS FOR CONVENIENCE ONLY AND IS NOT INTENDED TO REPRESENT ALL POSSIBLE UTILITIES THAT MAY BE AFFECTED BY THIS PROJECT.

(740) 652-0807

- 6. ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER-OPERATED CONSTRUCTION-TYPE DEVICE SHALL NOT BE OPERATED BETWEEN THE HOURS OF EIGHT P.M. AND SIX A.M. LOCAL TIME. IN ADDITION, ANY SUCH DEVICE SHALL NOT BE OPERATED AT ANY TIME IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.
- 7. ANY PROPERTY CORNER PINS OR PERMANENT SURVEY MARKINGS DISTURBED DURING CONSTRUCTION SHALL BE RESET BY A REGISTERED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 8. ALL ELEVATIONS ARE BASED ON USGS 1988 NAVD DATUM.
- 9. DRAWING STATIONING IS UTILITY CENTER LINE UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- 10. ANY PROPERTY CORNERS OR MONUMENTS DESTROYED OR DISTURBED DURING CONSTRUCTION SHALL BE REPLACED OR RESET BY A PROFESSIONAL SURVEYOR REGISTERED IN THE STATE OF OHIO AT THE CONTRACTOR'S EXPENSE.
- 11. THE CONTRACTOR MUST INCLUDE IN THEIR BID THE COSTS ASSOCIATED WITH CONSTRUCTION LAYOUT WORK AND FIELD SURVEYING TO ACCURATELY INSTALL THE INFRASTRUCTURE. CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION LAYOUT WORK. CONTRACTOR SHALL USE CONTROL POINTS AND MONUMENTATION ESTABLISHED AND IDENTIFIED ON THE DRAWINGS.
- 12. INGRESS/EGRESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- 13. NO MATERIALS, INCLUDING PIPE, SHALL BE STORED WITHIN THE RIGHT-OF-WAY OR WITHIN ONE HUNDRED (100) FEET OF ANY INTERSECTING STREET OR DRIVEWAY. DURING NON-WORKING HOURS, STORAGE OF EQUIPMENT SHALL COMPLY WITH THESE SAME REQUIREMENTS. COMPLIANCE WITH THESE REQUIREMENTS SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS LEGAL RESPONSIBILITIES OR LIABILITIES FOR THE SAFETY OF THE PUBLIC.

EMERGENCY CONTACT INFO:

PA: OHIO EPA 1-800-282-9378

(TO REPORT SPILLS AND OTHER ENVIRONMENTAL EMERGENCIES)

NRC: NATIONAL RESPONSE CENTER (U.S. DOT) 1-800-424-8802

(HAZARDOUS MATERIALS INCIDENTS/SPILLS)

POLICE: BALTIMORE POLICE DEPARTMENT (740) 862-4205

FIRE: BASIL JOINT FIRE DISTRICT (740) 862-8596

OWNER: VILLAGE OF BALTIMORE

TERI WISE, VILLAGE ADMINISTRATOR (740) 862-4491

14. WORK AT THE SITE MAY BE PERFORMED BY SEVERAL PRIME CONTRACTORS AS INDICATED IN THE GENERAL REQUIREMENTS. UTILITY COMPANIES WILL ALSO PERFORM WORK TO PROVIDE THE REQUIRED SERVICE FOR THE PROJECT.

15. ALL TREES ARE TO BE PRESERVED UNLESS APPROVAL TO REMOVE IS GIVEN IN WRITING BY THE OWNER OR IF INDICATED TO BE REMOVED ON THE DRAWINGS. SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGES TO TREES AND THEIR ROOT SYSTEMS. MACHINE EXCAVATION SHALL NOT BE USED WHEN, IN THE OPINION OF OWNER OR ENGINEER, IT WOULD ENDANGER ANY TREE ROOTS. IN GENERAL, WHERE THE LINE OF TRENCH FALLS WITHIN 10 FEET OF THE CENTER OF A TREE NOT TO BE REMOVED, THE OWNER AND/OR ENGINEER SHALL BE NOTIFIED (PRIOR TO EXCAVATION) FOR HIS DETERMINATION ON HOW BEST TO PROCEED. THE OPERATION OF ALL EQUIPMENT, PARTICULARLY WHEN EMPLOYING BOOMS, THE STORAGE OF MATERIALS, AND THE DEPOSITION OF EXCAVATION, SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT INJURE TREES, TRUNKS, BRANCHES, OR THEIR ROOTS UNLESS SUCH TREES ARE DESIGNATED BY THE OWNER FOR REMOVAL.

THIS PROJECT LIES WITHIN THE RANGE OF THE INDIANA BAT (MYOTIS SODALIS), A FEDERALLY-LISTED ENDANGERED SPECIES. NO TREE SHALL BE REMOVED UNDER THE CONTRACT WITHOUT WRITTEN PERMISSION FROM THE OWNER.

- 16. THE TRACKING OF SPILLAGE OF MUD, DIRT OR DEBRIS UPON MUNICIPAL STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR
- 17. NO NONRUBBER TIRE VEHICLE SHALL BE MOVED ON MUNICIPAL STREETS. EXCEPTIONS MAY BE GRANTED BY AN AUTHORIZED MUNICIPAL OFFICIAL WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. GRANTING OF EXCEPTIONS MUST BE IN WRITING AND ANY RESULTING DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE MUNICIPALITY.
- 18. ALL WORK SHALL BE COMPLETED WITHIN THE WORK LIMITS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLAIM FOR DAMAGE BEYOND THOSE LIMITS. IN ADDITION TO DIRECT REQUIREMENTS OF SPECIFICATIONS, CONTRACTOR SHALL OBSERVE AND CONFORM TO SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS OF ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF APPLICABLE GOVERNING AGENCY.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING MAIL SERVICE IN THE CONSTRUCTION AREA INCLUDING ANY TEMPORARY MAILBOXES.
- 20. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF TRAFFIC CONTROL SERVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS (CURRENT EDITION), COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC. LEO'S SHALL BE USED IN LIEU OF FLAGGERS ON ARTERIAL AND COLLECTOR STREETS.
- 21. STEADY BURNING TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS AND SIMILAR TRAFFIC DEVICES IN USE AT NIGHT. CONES ARE NOT PERMITTED TO BE USED FOR NIGHT WORK.
- 22. ALL TRENCHES IN THE ROADWAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NONWORKING HOURS.
- 23. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- 24. WHERE NECESSARY TO DISTURB EXISTING PAVEMENT OR DRIVES, THE PAVEMENT SHALL BE SAW CUT IN NEAT, STRAIGHT LINES. THE DEPTH OF SAW CUT SHALL BE THE FULL DEPTH OF THE PAVEMENT.
- 25. ANY EXISTING PAVEMENT REMOVED FOR UTILITY, SANITARY SEWER, STORM SEWER OR WATERLINE PLACEMENT REPAIR SHALL BE BACKFILLED WITH CONTROLLED DENSITY FILL (C.D.F.) REFERENCE C.C.M.S. ITEM 912 OR 613.
- 26. LAND DISTURBANCE AREAS LESS THAN ONE ACRE AND NOT PART OF A LARGER COMMON PLAN OF DEVELOPMENT ARE NOT REQUIRED TO SUBMIT A FULL SCALE EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL. HOWEVER, BEST MANAGEMENT PRACTICES SHOULD BE FOLLOWED FOR MINIMIZING THE AMOUNT OF SEDIMENT THAT ENTERS INTO STORMWATER COLLECTION SYSTEMS, DITCHES, STREAMS AND OTHER WATERWAYS.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SEDIMENT EROSION CONTROL MEASURES FOR THE PROJECT. THIS INCLUDES ANY ADDITIONAL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES NECESSARY AS A RESULT OF THE DEWATERING TECHNIQUES UTILIZED BY CONTRACTOR DURING CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DISCRETION OF THE VILLAGE OF CENTERBURG AND/OR THE

- 27. ALL DRAIN TILE INCLUDING ANY FIELD TILES, ROOF DRAINS, SUMP PUMP DISCHARGES AND STORM SEWERS DAMAGED, DISTURBED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE LAID ON COMPACTED GRANULAR BEDDING. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
- 28. WHEREVER GRAVEL BERMS ARE DISTURBED, CONTRACTOR SHALL RESTORE THE BERMS WITH 8" OF CRUSHED AGGREGATE BASE, ODOT ITEM 304.
- 29. ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
- 30. ALL STREETS AND DRIVEWAYS CUT BY THE CONTRACTOR SHALL BE PROVIDED WITH TEMPORARY PAVEMENT ON THE SAME DAY THAT THE ORIGINAL PAVEMENT IS CUT. PERMANENT PAVEMENT REPLACEMENT SHALL BE PROVIDED IN THE LOCATIONS INDICATED ON THE DRAWINGS.
- 31. ALL SIGNS, FENCES, SHRUBS, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY CONTRACTOR.

WHEN ROAD OR STREET NAME SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION IN A MANNER SATISFACTORY TO AND AS DIRECTED BY ENGINEER. AFTER COMPLETION OF THE CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, CONTRACTOR SHALL ERECT THE ROAD OR STREET NAME SIGNS AND SUPPORTS IN A PERMANENT LOCATION IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY ENGINEER.

- 32. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT.
- 33. ALL SEWERS SHALL BE LOCATED AT LEAST 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY FROM WATER MAINS UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL SEWERS SHALL BE LOCATED AT LEAST 12" VERTICALLY FROM ALL OTHER UTILITIES.

WHERE THE UTILITY LINES CROSS OTHER UTILITIES, THE TRENCH BACKFILL SHALL CONSIST OF COMPACTED GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPE.

34. WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, CONTRACTOR SHALL EXPOSE THE UTILITY, INCLUDING ANY STRUCTURES, SUFFICIENTLY IN ADVANCE OF LAYING THE PROPOSED CONDUIT IN ORDER TO VERIFY THE ALIGNMENT, DEPTH, & MATERIAL TYPE.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

35. CONTRACTOR SHALL SUBMIT TO ENGINEER A SCHEDULE FOR THE WORK FOR REVIEW AND APPROVAL BY THE ENGINEER/OWNER. PROVISIONS SHALL BE MADE IN SCHEDULE TO ACCOMMODATE OWNER'S OPERATIONS OF EXISTING FACILITIES. NO MODIFICATIONS TO TREATMENT PROCESSES OR ELECTRICAL POWER REQUIREMENTS SHALL TAKE PLACE WITHOUT APPROVAL OF ENGINEER AND OWNER. FEDERAL REGULATIONS PROHIBIT THE BYPASSING OF ANY WASTEWATER, SLUDGE, OR BIOSOLIDS DURING CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY REQUIRED TEMPORARY PUMPING FACILITIES, PIPING AND APPURTENANCES NECESSARY TO COMPLETE THE PROJECT WITHOUT ANY PLANT BYPASSING. CONTINUOUS TREATMENT SHALL BE PROVIDED DURING CONSTRUCTION TO PREVENT ANY VIOLATIONS OF DANVILLE'S NPDES PERMIT

ACCEPTANCE OF THE SCHEDULE BY THE ENGINEER WILL NOT IMPOSE RESPONSIBILITY ON THE ENGINEER FOR THE PROGRESS SCHEDULE, SEQUENCING, SCHEDULING, OR PROGRESS OF THE WORK.

SANITARY SEWER NOTES

NOT ALL NOTES ARE APPLICABLE TO EACH PROJECT, AND SOME PROJECTS MAY HAVE SUPPLEMENTAL NOTES NOT SHOWN HEREIN.

- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT.
- 2. ALL SANITARY SEWERS CONSTRUCTED UNDER THIS PLAN SHALL MEET THE REQUIREMENTS OF THE VILLAGE OF BALTIMORE. THE VILLAGE OF BALTIMORE STANDARD DRAWINGS SHALL GOVERN ALL PROJECTS UNLESS OTHERWISE NOTED. THE VILLAGE OF BALTIMORE SUPPLEMENTAL SPECIFICATIONS SHALL TAKE PRECEDENCE WHEN APPLICABLE
- 3. THE CONSTRUCTION OF NEW SANITARY SEWERS SHALL NOT BEGIN WITHOUT AN APPROVED AND CURRENT OHIO ENVIRONMENTAL PROTECTION AGENCY PERMIT TO INSTALL (PTI). A COPY OF THE APPROVED PTI SHALL BE FILED WITH THE VILLAGE OF BALTIMORE.
- 4. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER PIPE SHALL BE PVC SEWER PIPE ASTM D-3034, SDR 35 AND ASTM F-679. PIPE JOINTS SHALL BE PER ASTM D3212.
- 5. THE MINIMUM REQUIREMENTS FOR SANITARY SEWER FORCE MAIN SHALL BE PVC PRESSURE PIPE AWWA C-900 DR-18, PR 150, ASTM D3139, OR HDPE, DR 11, ASTM F714, ASTM D2657, RATING AS PER DESIGN.
- 6. THE CONTRACTOR'S SPECIFIC ATTENTION IS DIRECTED TO THE REQUIREMENTS OF THE LEAKAGE TEST. TESTS SHALL BE INFILTRATION, EX-FILTRATION OR LOW PRESSURE AIR TEST IN ACCORDANCE WITH THE ITEM FOR TESTING OF PIPE LINES AND SEWERS.
- 7. PIPE FOR ALL SIX (6) INCH HOUSE SERVICES SHALL BE PVC SEWER PIPE, ASTM D-3034, SDR 35. ALL SERVICE EXTENSIONS SHALL BE LAID AT A MINIMUM GRADE OF ONE (1) PERCENT AND SHALL BE CONSTRUCTED AT THE TIME OF CONSTRUCTION OF THE MAIN SEWER, UNLESS OTHERWISE DIRECTED BY THE VILLAGE ENGINEER.
- 8. APPROVED 30-INCH BY 5/8-INCH STEEL REBAR AND A WYE POLE MADE OF 4" BY 4" LUMBER SHALL BE FURNISHED AND PLACED AT ALL Y- BRANCHES AND AT THE END OF EXTENDED SERVICE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE SEWER ITEMS.
- 9. SERVICE RISERS SHALL BE INSTALLED WHERE DEPTHS FROM WYES TO THE EXISTING OR PROPOSED ELEVATIONS EXCEED TWELVE (12) FEET. THE TOPS OF THE RISERS SHALL BE (9) FEET BELOW THE EXISTING OR PROPOSED SURFACE ELEVATION, WHICHEVER IS HIGHER.
- 10. THE WYE LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND SHALL BE FIELD LOCATED DURING CONSTRUCTION TO SERVE THE INDIVIDUAL STRUCTURES.
- 11. MANHOLE COVERS FOR SANITARY SEWERS SHALL CONFORM TO STANDARD DRAWINGS SAN-01-01 AND SAN-09-02.
- 12. MANHOLE TOPS SHALL BE BUILT OR SUBSEQUENTLY ADJUSTED TO MEET SURFACE GRADES ESTABLISHED FOR THE DEVELOPMENT. COST OF THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR THE VARIOUS SEWER ITEMS.
- 13. ALL SANITARY SEWER LINES INSTALLED USING FLEXIBLE PIPE WILL BE SUBJECT TO DEFLECTION TESTING BY PULLING AN APPROVED MANDREL EQUAL IN DIAMETER TO 95% OF THE PIPE DIAMETER THROUGH THE PIPE NO LESS THAN THIRTY (30) DAYS AFTER THE PIPE IS FINAL BACKFILLED.
- 14. THE MAXIMUM TRENCH WIDTH SHALL NOT BE GREATER THAN THE OUTSIDE DIAMETER OF THE PIPE PLUS TWO (2) FEET.
- 15. THE MAXIMUM VELOCITY IN ANY NEW SANITARY SEWER SHALL NOT EXCEED TEN FEET PER SECOND (10 FPS).
- 16. TESTING OF LATERAL CONNECTIONS SHALL BE ADHERED TO.
- 17. THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION SERVICES ADMINISTRATOR FOR REVIEW, FIVE COPIES OF SHOP DRAWINGS FOR ALL MATERIALS, STRUCTURES, GRADATION CERTIFICATIONS AND EQUIPMENT BEFORE ANY OF THE SAID MATERIALS, STRUCTURES AND EQUIPMENT ARE ORDERED. THE OWNER BEARS NO RESPONSIBILITY TO ACCEPT ANY OF THE ABOVE-MENTIONED ITEMS WITHOUT A COMPLETED REVIEW OF SAID SHOP DRAWINGS.

ODOT Item	DESCRIPTION	Quantity	Unit
No.			
Baltimore-S	Somerset (S.R. 256) Force Main Relocation		
611	1.5" HDPE Sanitary Sewer Lateral	165	LF
611	2" HDPE Sanitary Sewer Forcemain	1,699	LF
623	Construction Layout Stakes	1	Lump
624	Mobilization	1	Lump
638	2" Main Line Gate Valve w/ Box	1	Ea.
659	Seeding and Mulching	1	Lump
Spec.	Cut & Cap (Plug) Abandoned Pipe	1	Lump
Spec.	1.5" Valve w/ Box	1	Ea.
Spec.	Clean Out	1	Ea.

NOTE:

THESE QUANTITIES ARE APPROXIMATE ONLY AND ARE NOT TO BE USED FOR PREPARATION OF COST ESTIMATES, BIDS, OR ANY OTHER ESTIMATING PURPOSE WITHOUT VERIFICATION BY THE USER. ANY DISCREPANCIES IN THE QUANTITIES SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER FOR EVALUATION.

DESIGNED BY: MJC DRAWN BY:	MICHAEL CRANF	PROJECT MANAGER: NO. DA I E	_	PROJECT NO.: 220995 ORIGINAL ISSUE DATE: 11/30/2022
		NO. DAIE		ORIGINAL ISSUE DATE
		DAIE		SINAL ISSUE DATE
				SUE DATE
		DESCRIPTION		: 11/30/2022
		<		REVISIONS
		NO. DAIE		SNO
		DESCRIPTION		

GENERAL NOTES

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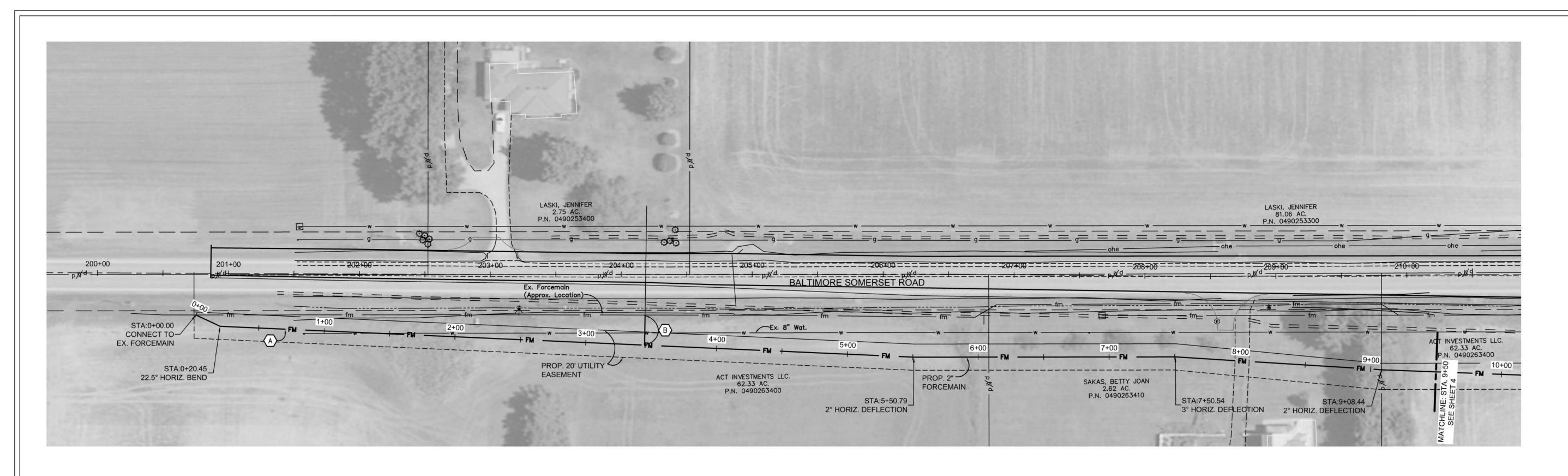
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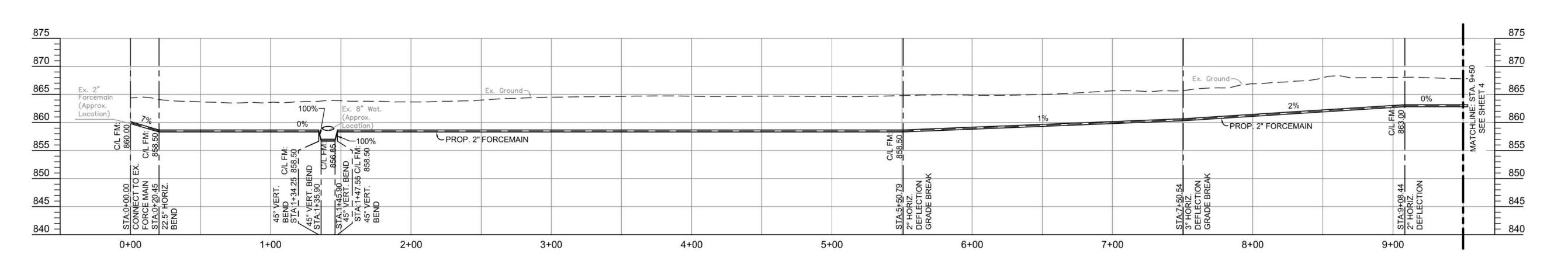
3500 Snouffer Road,
Suite 225
Columbus, OH 43235
614.761.1661 phone
www.v3co.com



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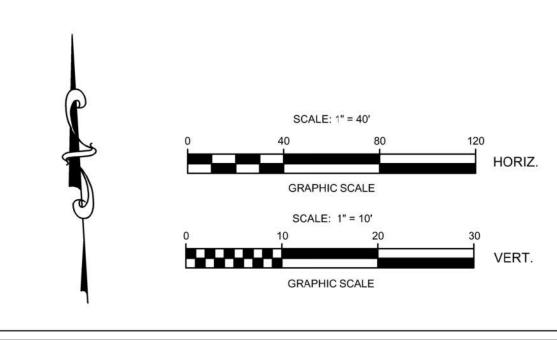
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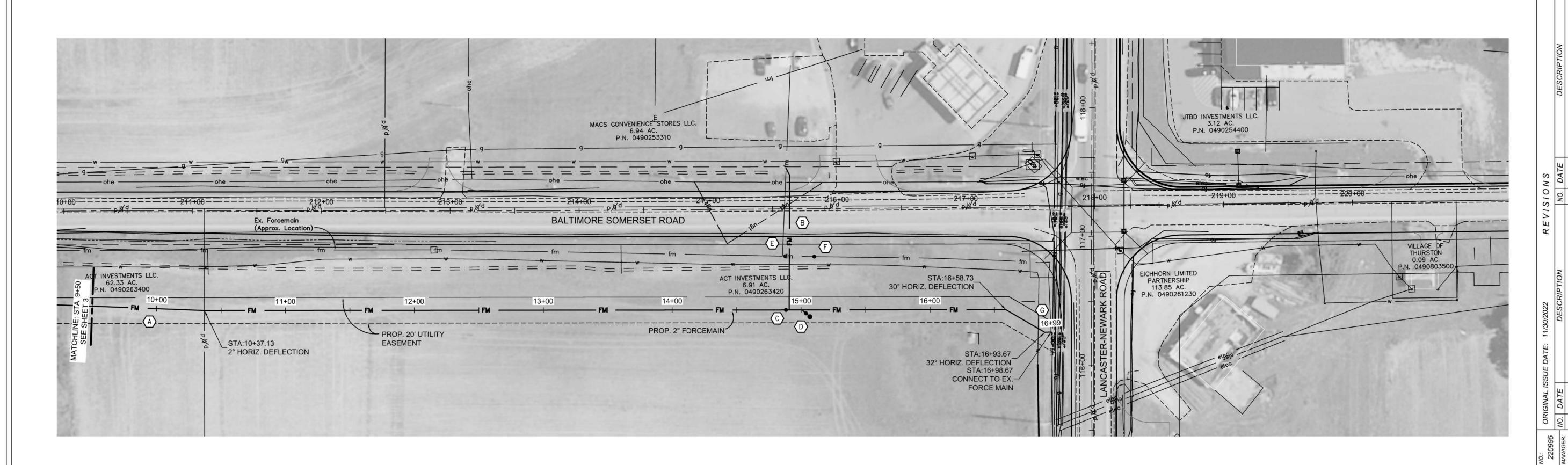
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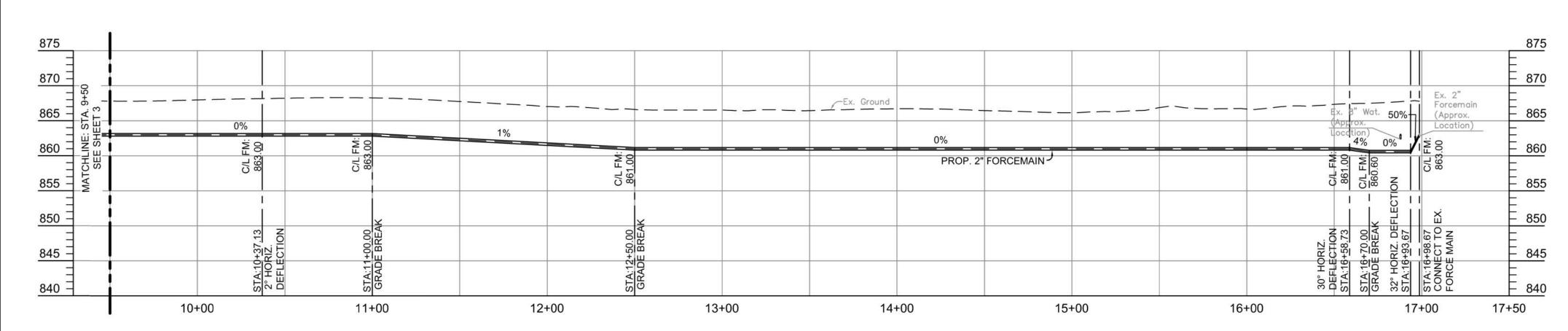
- A PROPOSED 2" SANITARY FORCE MAIN.
- B PROPOSED 1.5" SANITARY FORCE MAIN LATERAL PIPE.
- © PROPOSED 2" GATE VALVE WITH BOX.
- D PROPOSED SANITARY CLEANOUT.
- EXISTING VALVE TO BE CLOSED AND ABANDONED IN PLACE UPON START-UP OF NEW FORCE MAIN. SEE DETAIL, SHEET 4.
- F EXISTING CLEAN OUT TO BE ABANDONED.
- TIE NEW 2" PIPE INTO EXISTING FORCE MAIN PIPING. CUT AND CAP ABANDONED PIPE.



	RCEMAIN PLAN AND PROFILE						ORE M30 OH
PROJECT NO.: 220995	PROJECT MANAGER	MICHAEL CRANE	1	DESIGNED BY:	CIN	DRAWN BY:	RJB
ORIGINAL ISSUE DATE: 11/30/2022	NO. DATE						
11/30/2022	DESCRIPTION						
REVISIONS	NO. DATE						

DRAWING NO.





CODED NOTES

- A PROPOSED 2" SANITARY FORCE MAIN.
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