CITY OF MARIETTA COLEGATE SEWER REHABILITATION PROJECT

MAY 2025

PROJECT

LOCATIONS

MARIETTA ADMINISTRATION

MAYOR JOSH SCHLICHER

DIRECTOR OF PUBLIC SAFETY AND SERVICE STEVEN A. WETZ

LAW DIRECTOR

AUDITOR SHERRI HESS

MARIETTA COUNCIL

PAUL BERTRAM 3RD

COUNCIL PRESIDENT SUSAN VESSELS **COUNCIL - AT LARGE** HARLEY NOLAND **COUNCIL - AT LARGE BEN RUTHERFORD COUNCIL - AT LARGE** JON GRIMM **COUNCIL - SECOND WARD BRET ALLPHIN** COUNCIL - THIRD WARD **BILL GOSSETT** COUNCIL - FOURTH WARD **ERIN O'NEILL** COUNCIL - COUNCIL CLERK

ENGINEER: PROJECT OVERVIEW:

VERDANTAS 8150 STERLING COURT MENTOR, OH 44060 (440) 951-9000 PHONE

MICHELE NEWBANKS

THIS PROJECT FOCUSES ON THE COMPREHENSIVE REHABILITATION OF EXISTING SANITARY SEWERS ALONG THE MAIN-LINE SEWER ON COLEGATE DRIVE AND ITS TRIBUTARY SEWERS. THE SCOPE OF WORK INCLUDES CIPP (CURED-IN-PLACE PIPE) LINING AND POINT REPAIRS WITHIN THE SANITARY SEWER SYSTEM. ADDITIONALLY, IT ENCOMPASSES REPAIRS AND LINING OF SANITARY LATERALS, AS WELL AS THE LINING AND REPAIR OF SANITARY MANHOLES.

OUPS ONE CALL-UTILITY LIST:

- 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.
- 2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO



ENGINEER'S PROJECT No. 231342

LOCATION MAP

NOT TO SCALE

verdantas

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

WASHINGTON COUNTY

OWNER:

CITY OF MARIETTA CITY HALL, 301 PUTNAM STREET MARIETTA, OH 45750 (740) 373-1387 PHONE

CITY OF MARIETTA APPROVALS

Josh Schlicher	5/29/2025
Josh Schlicher JOSH SCHLICHER, MAYOR	DATI
Steven A Wetz	5/29/2025
STEVEN A. WETZ, SAFETY SERVICE DIRECTOR	DATI
Ryan Boley	5/29/2025
RYAN BOLEY, WATER RECLAMATION SUPERINTENDENT	DATI
Amanda Rinehart	5/29/2025
AMANDA RINEHART, PROJECT MANAGER	DATI



5/23/2025

TIMOTHY MCLAUGHLIN

DRAWN BY:

CHECKED BY:

P.E. No. E-83985

5/28/2025 DATE

PROJECT NO:

231342

DRAWING NAME

G-01

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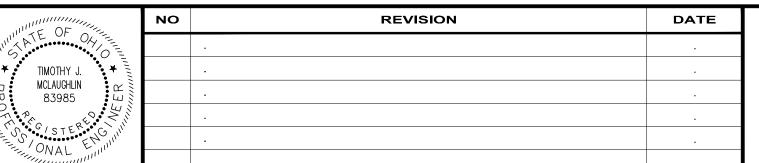
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SCALE: AS NOTED

GENERAL - 00 SERIES COVER SHEET

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8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



GENERAL:

- 1. THE CONTRACTOR SHALL PERFORM ALL OF THE WORK AND FURNISH ALL OF THE LABOR AND MATERIALS NECESSARY FOR THE FINAL COMPLETION OF THIS CONTRACT IN THE MANNER AND UNDER THE CONDITIONS HEREIN SPECIFIED AND PROVIDED AND IN ACCORDANCE WITH THE CONTRACT DRAWINGS. FOR SUMMARY OF WORK TO BE PERFORMED, THE CONTRACTOR SHALL REFER TO SPECIFICATION SECTION
- 2. A PRE-CONSTRUCTION VIDEO TAPE OF THE PROJECT AREA WILL BE REQUIRED AND SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION
- 3. THE CONTRACTOR SHALL NOT COMMENCE ANY FORM OF CONSTRUCTION WITHOUT CONTACTING THE ENGINEER, AS APPROPRIATE, A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITY TO ARRANGE FOR OBSERVATION. IF ANY CHANGE IN THE WORK SCHEDULE BECOMES NECESSARY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE ENGINEER TO AVOID UNNECESSARY OBSERVATION COSTS. IF NO NOTIFICATION IS MADE IN REGARDS TO CANCELLATION OF WORK, THE CONTRACTOR WILL BE CHARGED FOR THE TIME INCURRED.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SAFE LOCAL ACCESS, VEHICULAR AND PEDESTRIAN, 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 AND OTHER TRAFFIC CONTROLS TO INSURE THE SAFETY OF PERSONS AND VEHICLES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS.
- 5. ACCESS TO ALL DRIVEWAYS WILL BE MAINTAINED AT ALL TIMES EXCEPT THE TIME WHEN SEWER INSTALLATION AND PAVEMENT REPLACEMENT WILL NOT PERMIT.
- 6. ALL SHOP DRAWINGS WILL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD THE CHECKED SHOP DRAWINGS TO THE OWNER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL PROVIDE FINAL CHECKING AND APPROVAL. SHOP DRAWINGS MUST BE APPROVED PRIOR TO ORDERING ANY MATERIALS.
- 7. BEFORE THE OWNER WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTEE RETAINER, THE CONTRACTOR WILL FURNISH THE OWNER A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL AND EQUIPMENT TESTING. THE OWNER MAY REQUIRE SUBGRADE COMPACTION TESTING, ASPHALT AND CONCRETE QUALITY CONTROL TESTING WHICH WILL BE PAID FOR BY THE OWNER.
- 9. WHEN MAILBOXES, FENCES, NEWSPAPER BOXES OR STREET SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION (EXCEPT FENCES). AFTER COMPLETION OF THE CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL ERECT THE MAILBOXES, FENCES, NEWSPAPER BOXES OR STREET SIGNS AND SUPPORTS IN A PERMANENT LOCATION IN ACCORDANCE WITH THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER ITEMS
- 10. PROPERTY PINS AND MONUMENTS ALONG THE ROUTE OF THE IMPROVEMENT, WHICH MAY BE DISTURBED BY THE CONTRACTOR, SHALL BE REFERENCED BY A PROFESSIONAL SURVEYOR, SO THEY CAN BE REPLACED IN THE EVENT THAT THEY ARE DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL PINS, MONUMENTS AND REFERENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF LOCATING AND REFERENCING AND REPLACING THE PROPERTY PINS AND MONUMENTS.
- 11. EASEMENTS LIMITS ARE NOTED ON THE PLANS ARE FROM AVAILABLE REFERENCE DOCUMENTS AND HAVE NOT BEEN MARKED OR PINNED BY FIELD SURVEY. THE CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE LIMITS OF THE WORK AND MAINTAIN STAGING AND ACCESS AREAS WITHIN THE EASEMENT OR INGRESS/EGRESS LIMITS UNLESS WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER AND OR OWNER IS GIVEN. ANY DISTURBANCE TO PRIVATE PROPERTY WHETHER DIRECTLY OR INDIRECTLY RELATED TO THE IMPROVEMENTS BEING MADE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO ITS EXISTING CONDITION OR BETTER.
- 12. PAY ITEMS HAVE QUANTITIES THAT ARE GREATER THAN THAT OF WHAT IS DETAILED OR NOTED IN THE PLANS OR SPECIFICATIONS. THIS IS TO ACCOUNT FOR AN ANTICIPATED AMOUNT OF WORK THAT MAY BE ENCOUNTERED DUE TO PIPE OR MANHOLE CONDITIONS THAT WERE NOT ABLE TO BE DETERMINED BY THE OWNER PRIOR TO WORK INCLUDED IN THIS CONTRACT. IN THE EVENT OF A POINT REPAIR, THE CONTRACTOR SHALL SUBMIT UNIT PRICES FOR THE WORK WITH THE UNDERSTANDING THAT THE TOTAL QUANTITY IS ANTICIPATED TO FLUCTUATE BASED ON ENCOUNTERED CONDITIONS IN THE FIELD AFTER THE INITIAL CLEANING OF THE SEWER.
- 13. THE OWNER RESERVES THE RIGHT TO ADD OR REMOVE ANY PORTION OF WORK, WETHER EXPLICITLY DETAILED IN THE PLANS AND SPECIFICATIONS OR INCLUDED AS A CONTINGENCY QUANTITY, WITHOUT THE MODIFICATION OF THE UNIT PRICES SUBMITTED AT THE TIME OF

PROHIBITED CONSTRUCTION ACTIVITIES:

- 1. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED
- 2. THE USE OF EXPLOSIVES, UNLESS A PERMIT IS ISSUED BY THE OWNER.
- 3. 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.
- 4. 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.
- 5. OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT. HE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AN OEPA OPEN BUILDING AIR
- PERMIT OR DISPOSING OF THE TREES AND STUMPS 6. 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. 7. RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT PERMISSION OF
- 8. 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.
- 9. 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:
- a. BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;

THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.

- b. BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR
- c. BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.
- 10. DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, EVEN WITH THE PERMISSION OF THE
- PROPERTY OWNER. 11. LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.
- 12. INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN AND STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR OUTSIDE THE EASEMENT LIMITS.
- 13. PERMANENT OR UNSPECIFIED ALTERATION OF THE FLOW LINE OF ANY STREAM.
- 14. DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA
- 15. DISPOSAL OF TREES, BRUSH, AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS.
- 16. DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE RESULTING FROM BREAKING, CUTTING, CHIPPING, RILLING, BUFFING, GRINDING, POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF RESIDENCES OR COMMERCIAL PROFESSIONAL, QUASI-PUBLIC OR PUBLIC PLACES OF HUMAN OCCUPATION.
- 17. NO USING ANY SUBSTANCE OTHER THAN WATER TO CONTROL DUST

EXISTING UTILITIES:

- 1. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS, INCLUDING THE SANITARY SEWER, HAVE BEEN OBTAINED BY SEARCHES OF AVAILABLE GIS RECORDS. NO FIELD SURVEY WAS PREFORMED. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES, WETHER OR NOT SHOWN IN THE PLANS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE OWNER DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED DURING CONSTRUCTION AT THEIR EXPENSE.
- 2. BEFORE ANY WORK IS STARTED, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", OUPS, AT 1-800-362-2764, A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE OWNER, TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY BY THE CONTRACTOR 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.
- 3. DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION SHALL NOT BE CONSIDERED COMPENSABLE DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANY'S SCHEDULE.
- 4. NO SEPARATE PAYMENT WILL BE MADE FOR UTILITY SUPPORT, POLE SUPPORT OR POLE RELOCATION. THE CONTRACTOR SHALL INCLUDE THE COST OF UTILITY SUPPORT, POLE SUPPORT AND POLE RELOCATION IN THE UNIT PRICE(S) BID FOR OTHER RELATED ITEMS OF WORK.
- 5. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE EXISTING GAS, WATER, ELECTRIC, CABLE, FIBER, TELEPHONE, SANITARY OR OTHER UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF ANY PROPOSED IMPROVEMENT INDICATED ON THE PLANS. SHOULD A CONFLICT EXIST AT A UTILITY CROSSING, THE PROJECT ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- 6. THE CONTRACTOR SHALL ANTICIPATE AT A MINIMUM ONE SERVICE CONNECTION FOR EACH UTILITY (GAS, WATER, STORM SEWER, FIBER OPTIC OR POWER) TO EACH PROPERTY, EVEN IF NOT SHOWN ON PLAN. IF PRIVATE SERVICE LINES ARE ENCOUNTERED DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, SUPPORT, AND NOT DISRUPT ANY SERVICE TO THE PROPERTY OR PROPERTIES THAT PRIVATE UTILITY LINE PROVIDES SERVICE TO. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY LOCATING, SUPPORTING, OR MANAGING TEMPORARY SERVICE FOR ANY PRIVATE UTILITY CONNECTION.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF THE EXISTING UTILITY OWNERS AND THE UTILITY PROTECTION SERVICE IN THE LIST FEATURED ON THE COVER OF THE PLANS IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE
- 8. IN THE EVENT THAT ANY LEAD SERVICE CONNECTION IS ENCOUNTERED DURING THIS PROJECT BY THE CONTRACTOR, THE WATER SERVICE PROVIDER SHALL BE IMMEDIATELY NOTIFIED AND WORK AT THAT LOCATION SHALL CEASE UNTIL DIRECTION ON HOW TO PROCEED. CONTRACTOR SHALL CONTINUE WITH WORK ONCE THE WATER SERVICE PROVIDER GIVES NOTICE TO PROCEED WITHOUT ADDITIONAL PAYMENT FOR REMOBILIZATION.

MAINTENANCE OF TRAFFIC:

- 1. MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 AND THE MOST RECENT VERSION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD). THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY THE ENGINEER PRIOR TO BEGINNING WORK.
- 2. IT SHALL 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 ENSURE THE SAFETY OF PERSONS AND VEHICLES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS.
- 3. AT ALL EXCAVATION LOCATIONS THE CONTRACTOR SHALL PROVIDE SUITABLE FLASHERS, BARRICADES, AND TRAFFIC CONTROL DEVICES OR CREW AS DEEMED NECESSARY BY THE ENGINEER AND IN ACCORDANCE WITH THE OMUTCD FOR SUCH TIME UNTIL THE AREA IS COMPLETELY BACKFILLED.
- 4. 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 OR INCLUDED IN OTHER PAY ITEMS.
- 5. ACCESS MUST BE MAINTAINED FOR EMERGENCY VEHICLES AT ALL TIMES.
- 6. NO TRENCH WILL BE LEFT OPEN AT THE END OF A WORK DAY, WHERE PRACTICAL; ANY OPEN TRENCH WILL BE PROPERLY IDENTIFIED AND BARRICADED FOR SAFETY PURPOSES.
- 7. PRIOR TO CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE, OR BOULEVARD, THE CONTRACTOR MUST HAVE CONSENT FROM LOCAL OFFICIALS AND THE ENGINEER.
- 8. PRIOR TO CLOSING OFF ACCESS TO ANY PORTION OF PRIVATE PROPERTY WHERE SEWER WORK MAY BE LOCATED, THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE PROPERTY OWNER TO IMPLEMENT PROPOSED TRAFFIC CONTROL DEVICES WHICH SHALL ALSO REQUIRE FINAL APPROVAL BY THE ENGINEER.

ENVIRONMENTAL PROTECTION:

1. ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AT A SITE APPROVED BY THE ENGINEER. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOODPLAIN, SURFACE WATER, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED. GIVING EXCAVATED SOIL AWAY DOES NOT RELIEVE THE CONTRACTOR OR ENGINEER OF THIS RESPONSIBILITY.

AIR POLLUTION/NOISE CONTROL:

- 1. CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO HOURS OF 7AM TO 7 PM UNLESS AUTHORIZED TO PERFORM OUTSIDE THOSE LIMITS BY THE
- 2. CONSTRUCTION EQUIPMENT WILL BE PROVIDED WITH INTAKE SILENCERS AND MUFFLERS, AS REQUIRED BY SAFETY STANDARDS.

4. PERIODICALLY CHECK EQUIPMENT AND MACHINERY FOR PROPER TUNING TO MINIMIZE EXHAUST EMISSIONS AND NOISE.

- 3. ALL CONSTRUCTION VEHICLES SHOULD BE EQUIPPED WITH PROPER EMISSIONS CONTROL EQUIPMENT
- UNPAVED AREAS WILL BE WET DOWN (AS NECESSARY) DURING CONSTRUCTION TO MINIMIZE DUST

TREE/VEGETATION PROTECTION:

REMAINING TREES.

- 1. TREE REMOVAL WILL BE LIMITED TO THE TIME PERIOD BETWEEN OCTOBER 1 AND MARCH 31.
- 2. NO TREES MAY BE REMOVED, CUT, OR TRIMMED WITHOUT APPROVAL FROM THE OWNER AND CITY.
- 3. NO TREE REMOVAL WILL BE PERMITTED OUTSIDE THE TEMPORARY OR PERMANENT EASEMENT WITHOUT PERMISSION OF THE ENGINEER.

4. TREES WHICH ARE NOT REMOVED WILL BE PROTECTED BY ENSURING THAT TREES TO BE REMOVED ARE FELLED SO AS NOT TO INJURE THE

- 5. PRIOR TO CLEARING, THE CONTRACTOR AND ENGINEER, SHALL WALK THE ACQUIRED EASEMENTS IN AN EFFORT TO DESIGNATE THE TREES THAT ARE TO BE SAVED. TREES TO BE SAVED WILL BE CLEARLY MARKED BY PAINT WITH THE LETTER "S". TREES TO BE PROTECTED BY AN APPROPRIATE BARRIER SHALL BE MARKED WITH AN "S" ENCLOSED IN A CIRCLE. TREES MARKED FOR REMOVAL IN THE PLANS WILL BE
- 6. SOIL AND OTHER MATERIAL WILL NOT BE STORED NEXT TO OR WITHIN THE DRIP LINE OF TREES.

INSPECTED BY THE OWNER AND THE ENGINEER BEFORE REMOVAL & WILL BE SAVED WHERE POSSIBLE.

- 7. PRESERVATION OF LANDSCAPING SHOULD TAKE PRECEDENCE OVER REMOVAL. IF REMOVAL OR DAMAGE IS UNAVOIDABLE, EXISTING VEGETATION SHOULD BE REPAIRED OR REPLACED "IN-KIND" UNLESS THE PROPERTY OWNER SPECIFIES OTHERWISE.
- 8. IF TREES/SHRUBS CANNOT BE REPLACED IN THE SAME LOCATION DUE TO INSTALLATION OF THE SEWER SYSTEM, RELOCATION SHOULD BE
- 9. THE CONTRACTOR'S ARBORIST SHALL REPAIR ALL INJURIES TO BARK, TRUNKS, LIMBS, AND ROOTS OF REMAINING VEGETATION BY PROPERLY DRESSING, CUTTING, BRACING AND PAINTING, USING ONLY APPROVED TREE SURGERY METHODS, TOOLS, AND MATERIALS.
- 10. SELECTIVE PRUNING OF TREE LIMBS PRIOR TO INITIATION OF CONSTRUCTION SHOULD ONLY BE USED WITHIN ESTABLISHED EASEMENTS WHERE REMOVAL IS NECESSARY FOR OPERATION OF EQUIPMENT.
- 11. LIMIT THE USE OF RIP-RAP TO AREAS WHERE STREAM FLOW CONDITIONS PREEMPT VEGETATIVE STABILIZATION.
- 12. TREE REMOVAL WILL BE LIMITED TO THAT NECESSARY FOR CONSTRUCTION AND WILL BE LIMITED FURTHER TO THE PERMANENT EASEMENT WHENEVER POSSIBLE. IF THE PROJECT IS LOCATED WITHIN THE RANGE OF THE FEDERALLY-ENDANGERED INDIANA BAT (MYOTIS SODALIS) AND TREES MUST BE CUT, THIS MUST OCCUR BETWEEN SEPTEMBER 30 AND APRIL 1. INDIANA BATS ARE HIGHLY-DEPENDENT UPON TREES INCLUDING DEAD AND DYING TREES OF SPECIES WITH EXFOLIATING BARK, CREVICES, OR CAVITIES IN UPLAND AREAS OR RIPARIAN CORRIDORS AND LIVING TREES OF THE SPECIES LISTED ABOVE WITH EXFOLIATING BARK, CAVITIES, OR HOLLOW AREAS FORMED FROM BROKEN BRANCHES OR TOPS. IF SUITABLE TREES MUST BE CUT DURING THE PROHIBITED TIME PERIOD. A NET SURVEY MUST BE CONDUCTED TO DETERMINE THE PRESENCE OR ABSENCE OF INDIANA BATS PRIOR TO CUTTING.

EXCAVATION AND TRENCHING:

- 1. TRENCHING, HAUNCHING, BEDDING, AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH CONSTRUCTION DETAILS AND SPECIFICATION SECTIONS 310000 AND 333100.
- 2. NO GEOTECHNICAL SOIL BORINGS WERE PERFORMED TO DETERMINE IN-SITU SOIL CONDITIONS. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE AND/OR OBTAIN PERTINENT SUBSURFACE INFORMATION RELATIVE TO THE PROJECT AREA WHERE EXCAVATION IS ANTICIPATED OR MAY TAKE PLACE.
- 3. SLAG PRODUCTS OR CRUSHED CONCRETE WILL NOT BE PERMITTED FOR BEDDING, BACKFILL, OR TRAFFIC COMPACTED SURFACE.
- 4. ALL UTILITY LINES CROSSING THE NEW SEWER TRENCH, (I.E. STORM SEWERS, STORM LATERALS, WATERLINES, WATERLINE CONNECTIONS, SANITARY SEWERS, SANITARY LATERALS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OCT CONDUITS, CABLE TV 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 REGARDLESS IF THE EXISTING UTILITIES ARE SHOWN OR NOT SHOWN ON THE PLANS.
- 5. ANY COMPACTION TESTING REQUIRED AT THE SOLE DISCRETION OF THE ENGINEER SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

DEWATERING:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A DEWATERING SYSTEM THAT ALLOWS THE PROPER INSTALLATION OF ANY NEW SEWER OR STRUCTURES. ALL EQUIPMENT, LABOR, AND COSTS ASSOCIATED WITH TRENCH DEWATERING SHALL BE INCLUDED IN SEWER OR STRUCTURE PAY ITEMS.
- 2. ALL DEWATERING FLOWS FROM EXCAVATION AND TRENCHING OPERATIONS SHALL BE SETTLED INTO INSTALLATION BASINS OR DIRECTED THROUGH APPROVED FILTERING DEVICES PRIOR TO BEING DISCHARGED TO STABILIZED SITES, SUCH AS STREAMS OR STORM SEWER; NOT ONTO EXPOSED SOILS, STREAM BANKS, OR ANY EITHER SITE WHERE THE FLOW COULD CAUSE OR INCREASE THE RATE OF EROSION.
- 3. SILT FROM CONSTRUCTION OPERATIONS SHALL NOT BE PERMITTED TO ENTER INTO THE STORM SEWER SYSTEM. FOR THE ENTIRE COURSE OF CONSTRUCTION, EROSION CONTROL (FILTERS OR OTHER APPROVED BMPS) MEASURES SHALL BE IMPLEMENTED AT ALL NEARBY INLETS TO PREVENT SILT FROM ENTERING INTO THE SYSTEM. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THESE DEVICES FOR THE ENTIRE DURATION OF CONSTRUCTION AND SHALL ONLY REMOVED BY ORDER OF THE ENGINEER.
- 4. CONVEY WATER FROM THE CONSTRUCTION SITE IN A CLOSED CONDUIT. TRENCH EXCAVATIONS SHALL NOT BE PERMITTED AS TEMPORARY DRAINAGE DITCHES.

CURED-IN-PLACE PIPE (CIPP) LINING NOTES:

- 1. REFER TO SPECIFICATION SECTIONS 330130.72 AND 330130.74 FOR CIPP LINING SPECIFICATIONS, MINIMUM DESIGN CRITERIA. AND PERFORMANCE REQUIREMENTS.
- 2. ALL CIPP LINING SYSTEMS ON PIPES 36" OR LESS SHALL BE DESIGNED IN ACCORDANCE WITH THE MOST RECENT VERSION OF ASTM F1216 AND PROJECT SPECIFICATIONS. ALL CIPP LINING SYSTEMS GREATER THAN 36" IN DIAMETER SHALL BE DESIGN IN ACCORDANCE WITH THE MOST RECENT VERSION OF ASCE MOP 145 AND PROJECT SPECIFICATIONS.
- 3. THE CONTRACTOR SHALL SUBMIT A LINER THICKNESS CALCULATION BASED ON THE ACTUAL PHYSICAL PROPERTIES OF THE APPROVED SUBMITTED LINER SYSTEM FOR EACH SECTION IN ACCORDANCE WITH ALL SPECIFICATIONS. LINER THICKNESS CALCULATIONS SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER IN CURRENTLY LICENSED IN THE STATE OF OHIO.
- 4. ALL LINING SYSTEMS SHALL NOT EXCEED A THICKNESS THAT WILL REDUCE THE ORIGINAL DESIGN CAPACITY OF EACH SEWER SECTION. ANY LINER SYSTEM SHALL HAVE A MANUFACTURER CERTIFIED FRICTION FACTOR LOWER THAN THAT OF THE NATIVE MATERIAL OF WHICH IT IS BEING INSTALLED IN.
- 5. SEWER FLOWS SHALL BE MAINTAINED IN ACCORDANCE WITH SPECIFICATION 330130.03. ALL BYPASS PLANS MUST BE APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
- 6. CONTRACTOR SHALL VERIFY ALL VISIBLE CONNECTIONS PRIOR TO INSTALLATION OF ANY LINING SYSTEM. THIS WILL INCLUDE AT THE ENGINEER'S DISCRETION, DYE TESTING AND/OR LATERAL LAUNCHING TO CONFIRM THE SOURCE OF THE CONNECTION.
- INSTALLED ON ANY NEW CONNECTION INTO THE MAINLINE SEWER. 8. PROTRUDING TAPS SHALL BE CUT BACK TO BE FLUSH WITH THE EXISTING PIPE SURFACE PRIOR TO INSTALLATION OF ANY LINING SYSTEM.

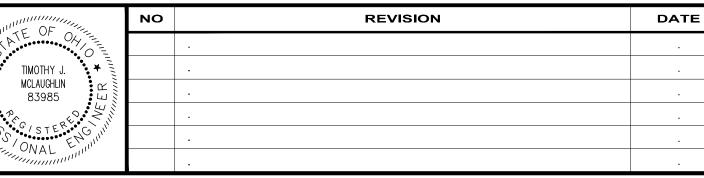
7. ALL ACTIVE CONNECTIONS SHALL BE REINSTATED IMMEDIATELY AFTER THE INSTALLATION AND CURING OF LINING. LOCATOR TAPE SHALL BE

THIS SHALL BE PAID AS A SEPARATE PAY ITEM.



(440) 951-9000





COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE: AS NOTED DATE: 5/23/2025 **DESIGNED BY:** TJM DRAWN BY: JBB

CHECKED BY: CPR

GENERAL - 00 SERIES

GENERAL NOTES

231342 DRAWING NAME **G-02** SHEET OF

80

PROJECT NO:

H:\2023\231342\DWG\SHEETS\2313421 GENERAL NOTESINDEX SYMBOLOGY.DWG - 2 GENERAL NOTES - 5/21/2025 8:50:26 AM - JARED BORDNER

 PROPERTY LINE (APPROXIMATE NOT SURVEYED)

 SAN
 SANITARY LINE

 EXC
 EXC
 EX. CONSTRUCTION EASEMENT

<u>PR:</u>

SANITARY LINE TO BE CIPP LINED

TEMPORARY CONSTRUCTION EASEMENT LINE
TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITADY MAN

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

© EXISTING SANITARY MANHOLE - 48"

GEN	ERAL ABBREVIATIONS:	-	
AR	AIR RELEASE VALVE	MV	MUD VALVE
AV	AIR & VACUUM VALVE	N	NORTHING
BA	BALL VALVE	ОН	OVERHEAD
BFV	BUTTERFLY VALVE	PD	PLUG DRAIN VALVE
BK	BACKPRESSURE VALVE	PF	PRESSURE RELIEF
BM	BENCH MARK	PG	PRESSURE REGULATOR
BP	BACKFLOW PREVENTER	PI	PINCH VALVE
СВ	CATCH BASIN	PR	PROPOSED
CL	CENTER LINE	PRV	PRESSURE REDUCING VALVE
CO	CONE VALVE	PT	PRESSURE TEMPERATURE REL
CPP	CORRUGATED PLASTIC PIPE	PV	PLUG VALVE
CV	CHECK VALVE	PVC	POLYVINYL CHLORIDE PIPE
DIP	DUCTILE IRON PIPE	R/W	RIGHT OF WAY
E	EASTING	RJ	RESTRAINED JOINT
EG	EXISTING GRADE	SAN	SANITARY
EL	ELEVATION	SCH	SCHEDULE
EX	EXISTING	SB	SOIL BORING
FG	FINISHED GRADE	SDR	STANDARD DIAMETER RATIO
FH	FIRE HYDRANT	SS	STAINLESS STEEL
FL	FLANGED	STA	STATION
FRP	FIBERGLASS REINFORCED PLASTIC	STL	STEEL PIPE
FTG	FITTING	STM	STORM
GL	GLOBE VALVE	SU	SURGE VALVE
GS	GALVANIZED STEEL	SV	SOLENOID VALVE
GV	GATE VALVE	TYP	TYPCIAL
HDPE	HIGH-DENSITY POLYETHYLENE PIPE	UG	UNDERGROUND
KG	KNIFE GATE VALVE	VB	VALVE BOX
KN	KNIFE VALVE	WAT	WATER
MH	MANHOLE	WV	WATER VALVE
MIN	MINIMUM		

GENERAL SYMBOLOGY NOTES:

MECHANICAL JOINT

- 1. THIS IS A STANDARD SHEET SHOWING COMMONLY USED SYMBOLOGY.
- 2. ALL SYMBOLS, LINES, ABBREVIATIONS AND MATERIAL PATTERNS ARE NOT NECESSARILY USED ON THIS PROJECT.
- 3. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE NEW IMPROVEMENTS SO AS TO HIGHLIGHT SPECIFIC TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
- 4. SYMBOLOGY OR DIAGRAMMATICAL LEGENDS MAY BE SHOWN ON INDIVIDUAL SHEETS FOR SCHEDULES, DIAGRAMS, DETAILS, SCHEMATICS OR EQUIPMENT.

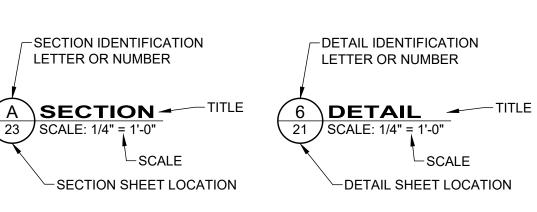
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2	GENERAL NOTES	G-02					
3	LEGEND AND SYMBOLS	G-03					
4	CONSTRUCTION DETAILS (1 OF 3)	G-04					
5	CONSTRUCTION DETAILS (2 OF 3)	G-05					
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DETAIL REFERENCES: DETAIL REFERENCES: DETAIL IDENTIFICATION LETTER OR TAG NUMBER SEE DETAIL SEE DETAIL SECTION LETTER A SEC SINCE S

DATE



REFERENCE DIMENSION:

12'-4" (REF.)

REFERENCE DIMENSIONS ARE GIVEN FOR INFORMATION ONLY. THEY ARE CALCULATED DIMENSIONS NOT INTENDED TO BE USED WITHOUT FIELD VERIFICATION AND ARE USEFUL IN SHOWING INTENDED DESIGN.

GENERAL PROPOSED REHABILATION:

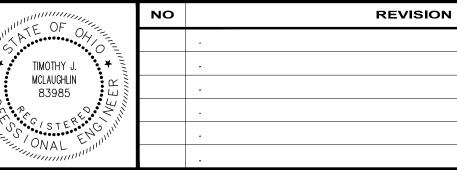
POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

DRAWING CODED NOTE TYPES:

1. VERDANTAS CONTRACTUAL NOTES ARE DEPICTED WITH A HEXAGON, SQUARE, CIRCLE OR TRIANGLE. ALL OTHER EXISTING WRITTEN CALLOUTS SHOWN ON THE REUSED SCANNED PLANS, SECTIONS & DETAILS ARE FOR EXISTING CONDITIONS AND REFERENCE ONLY, MANY OF THOSE NOTES FROM THE SCANNED DRAWINGS PERTAIN TO PREVIOUS WORK DONE.

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS NOT	ED
DATE:	5/23/20)25
DESIGNE	ову: Т	JM
DRAWN B	Y : J	ВВ
CHECKED	BY: C	PR

CIVIL - 10 SERIES

LEGEND AND SYMBOLS

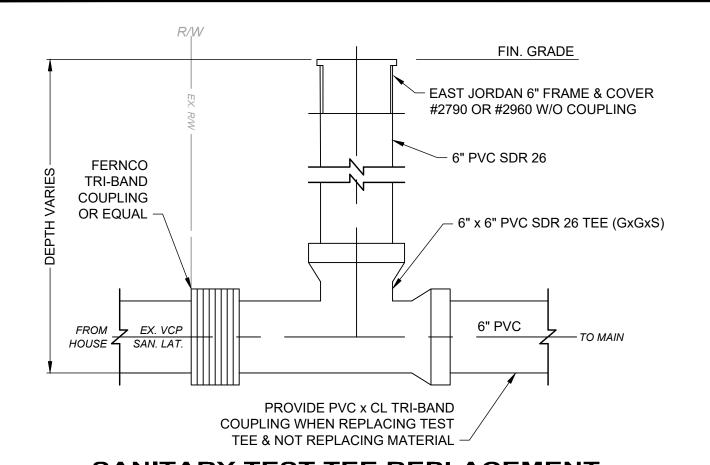
231342

DRAWING NAME

G-03

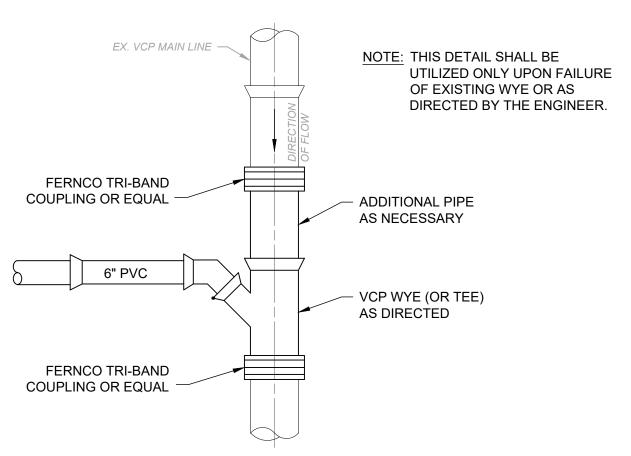
SHEET OF

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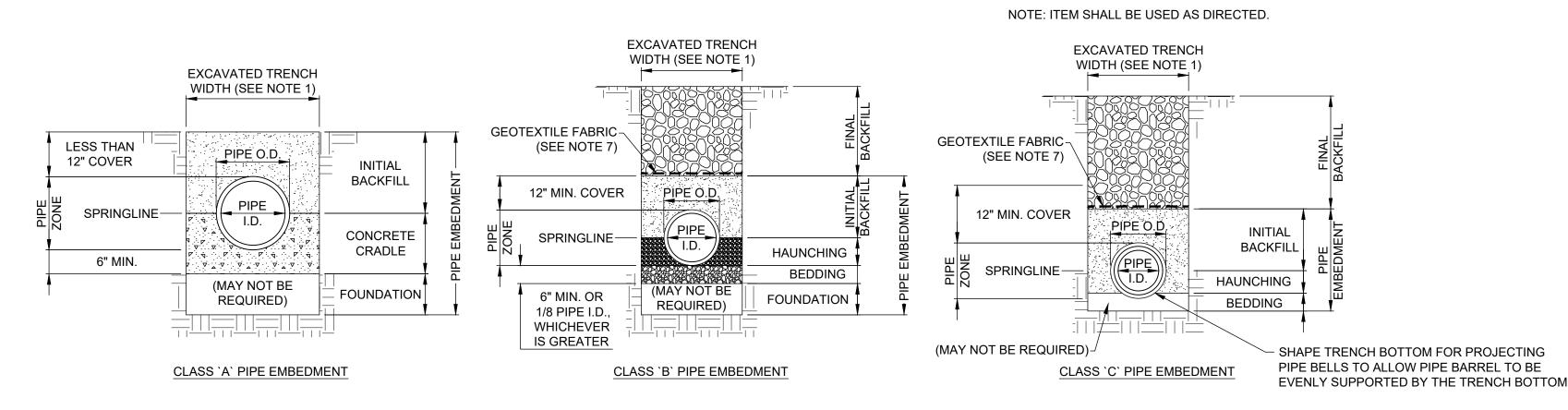
SANITARY TEST TEE REPLACEMENT

NOT TO SCALE



WYE REPLACEMENT DETAIL

NOT TO SCALE



- 1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.
- 2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
- 3. PIPE EMBEDMENT:
- CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "C". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

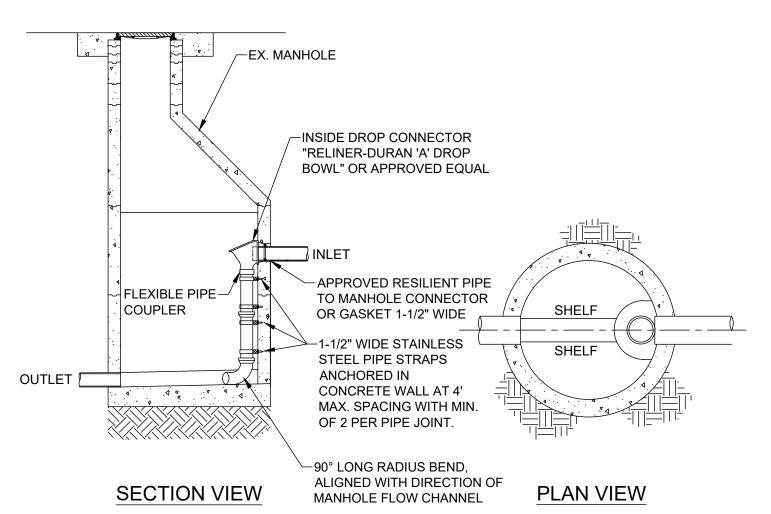
CLASS C: CLASS C PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN, DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE PIPE EMBEDMENT SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE. THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE. WHERE ROCK OR SHALE IS ENCOUNTERED, A MINIMUM 6-INCHES OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE BEDDING OR SAND BEDDING SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

- 4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.
- 5. SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION 310000.
- 6. CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.
- 7. GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
- 8. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

TRENCHING, EMBEDMENT AND BACKFILL DETAIL

NOT TO SCALE

(FOR SEWER INSTALLATION)



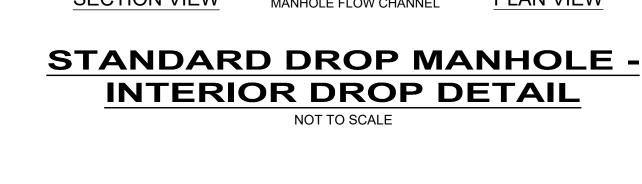
INTERIOR DROP DETAIL

TIMOTHY J.

MCLAUGHLIN

83985

NO



REVISION	DATE	

COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE: AS N	OTED	
DATE: 5/23	3/2025	
DESIGNED BY:	TJM	
DRAWN BY:	JBB	CON

CHECKED BY: CPR

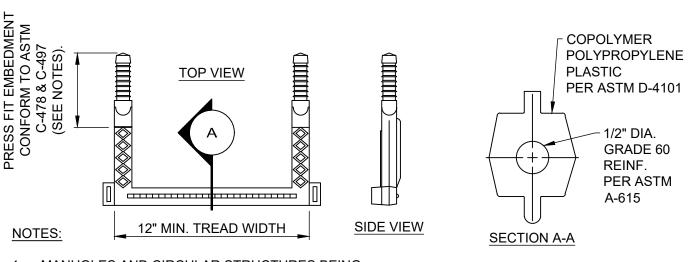
PROJECT NO: GENERAL - 00 SERIES 231342 DRAWING NAME G-04 **NSTRUCTION DETAILS (1 OF 3)** 80

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8150 STERLING COURT

MENTOR, OHIO 44060

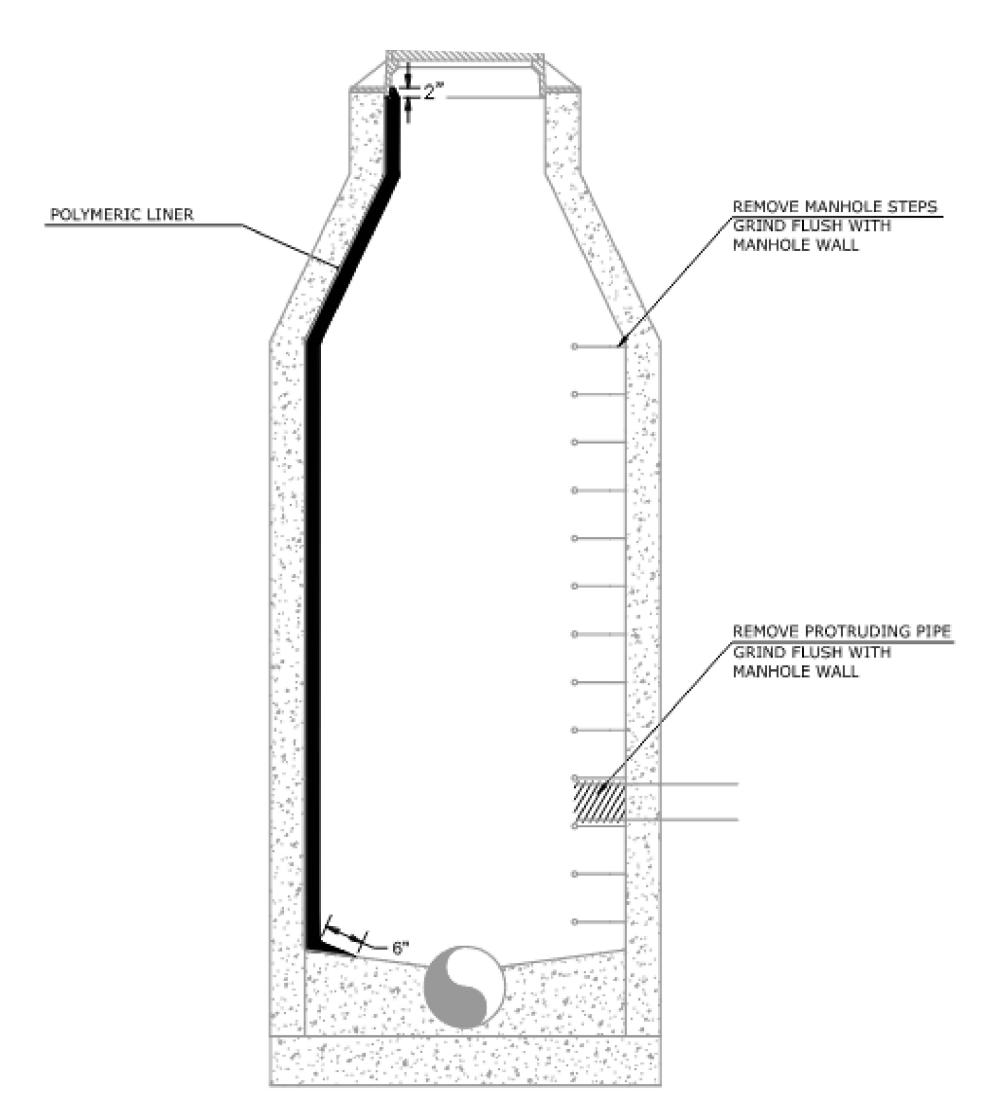
(440) 951-9000



- 1. MANHOLES AND CIRCULAR STRUCTURES BEING:
- 1.1. UP TO AND INCLUDING 5'-0" DIA.: USE 16" C/C MIN. STEP SPACING.
- 1.2. OVER 5'-0" DIA.: USE 12" C/C MIN. STEP SPACING.
- 2. MOUNTING REQ'S SHALL CONFORM TO THE MFR'S RECOMMENDATIONS.

TYPICAL MANHOLE STEP DETAIL

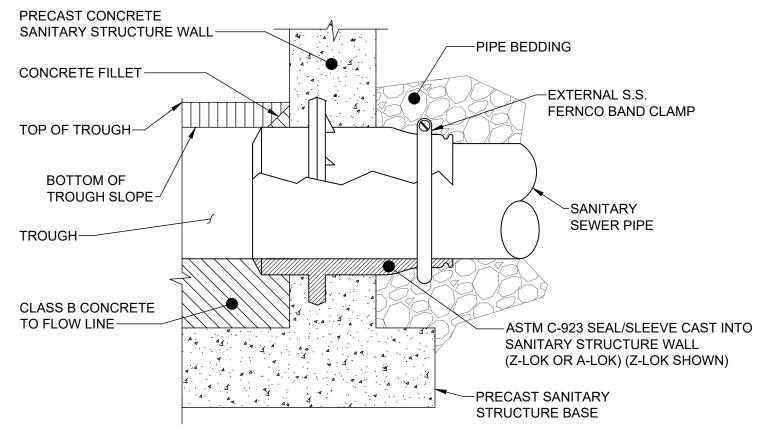
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SEE SPECIFICATION SECTION 33 01 30.81

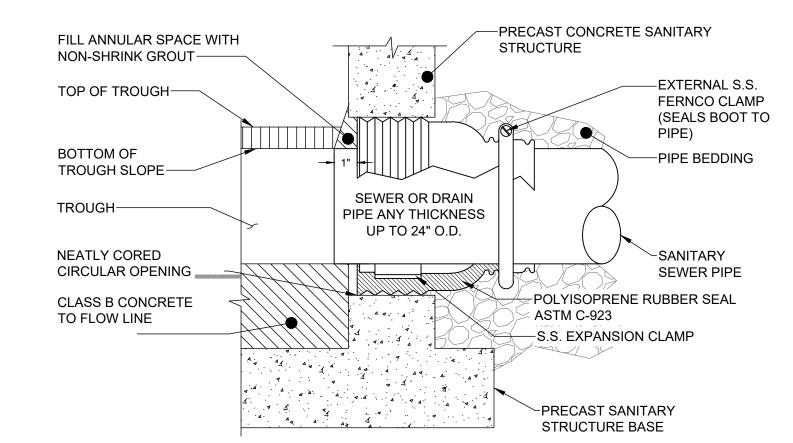
LINER SHALL OVERLAP FRAME BY 2" (MIN) AND BENCH BY 6' (MIN)

REHABILITATION OF EXISTING MANHOLE



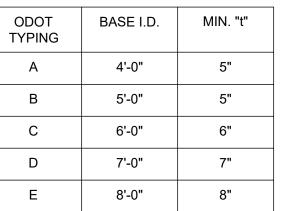
PIPE CONNECTION TO NEW STRUCTURE DETAIL

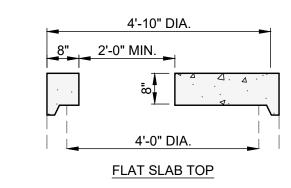
CONTRACTOR SHALL REFER TO MANUFACTURER DETAILS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS NOT EXPLICITLY NOTED ON THESE DETAILS FOR INSTALLING NEW PIPE INTO AN EXISTING OR NEW PRE-CAST CONCRETE STRUCTURE.

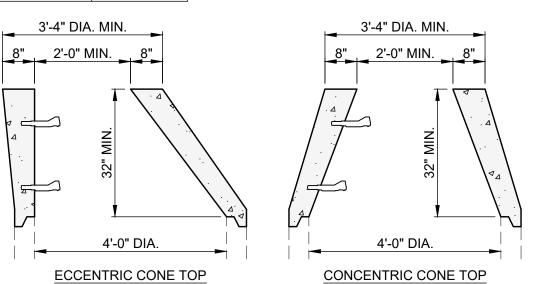


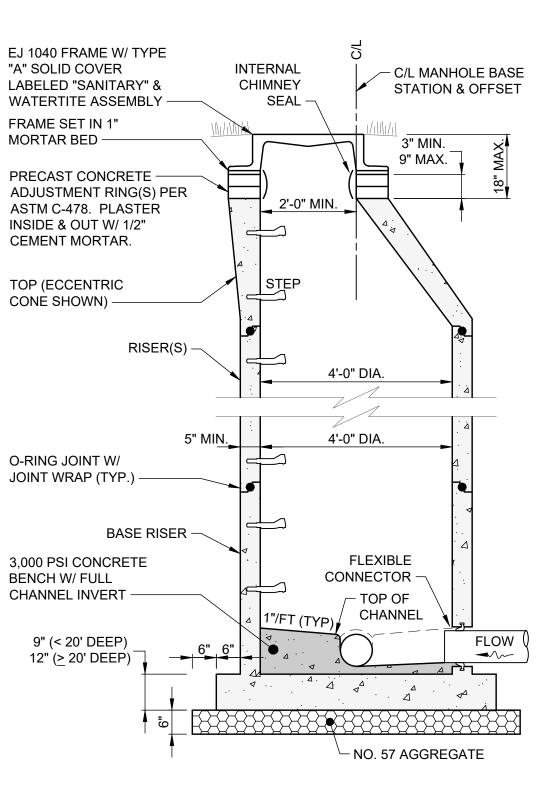
PIPE CONNECTION TO **EXISTING STRUCTURE DETAIL**

CONTRACTOR SHALL REFER TO MANUFACTURER DETAILS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS NOT EXPLICITLY NOTED ON THESE DETAILS FOR INSTALLING NEW PIPE INTO AN EXISTING OR NEW PRE-CAST CONCRETE STRUCTURE







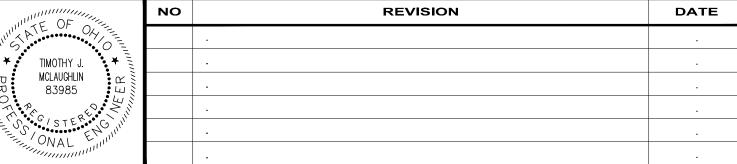


- TOP SECTION SHALL BE AN ECCENTRIC CONE. ROTATE CONE TO OFFSET MANHOLE CASTING TO AVOID SIDEWALKS, UNDERDRAINS AND CURBS. USE FLAT SLAB TOP IF MANHOLE IS LESS THAN 6'-3" DEEP.
- O-RING JOINT BETWEEN PRECAST MANHOLE SECTIONS SHALL BE RESILIENT WATERTIGHT GASKET PER ASTM C-443.
- PRECAST MANHOLE AND REINFORCEMENT SHALL CONFORM TO ASTM C-478.
- 4. BASE MUST BE PRECAST MONOLITHIC WITH BASE RISER.
- 5. ALL PIPE OPENINGS MUST BE PRECAST WITH FLEXIBLE CONNECTIONS (Z-LOK OR A-LOK) PER ASTM C-923.
- WRAP ALL INSIDE AND OUTSIDE MANHOLE JOINTS WITH 24" WIDE EXTERIOR JOINT WRAP PER ASTM C-877 TYPE III, CONSEAL
- CONCRETE CHANNEL TOP SHALL EXTEND TO FULL HEIGHT OF PIPE(S).
- CONCRETE BENCH AND CHANNEL(S) SHALL BE PRECAST AS ONE PIECE IN THE BASE SECTION. ALL PIPES SHALL HAVE POURED INVERTS.
- 9. ALL PRECAST CONCRETE SECTIONS SHALL BE MANUFACTURED AND FURNISHED AS SOLID SECTIONS WITHOUT LIFT HOLES OF
- 10. USE REINFORCED PLASTIC MANHOLE STEPS.
- 11. FIRST STEP SHALL NOT BE MORE THAN 2'-0" BELOW TOP OF FRAME. MAKE PROJECTION 3-1/2" IF IN 24" DIA. SECTION.
- 12. MANHOLE MUST PASS A VACUUM TEST PER ASTM C-1244.
- 13. ANY PRECAST CONCRETE SECTION DAMAGED IN TRANSIT OR ON-SITE AND WHERE THE WATER TIGHTNESS OF THE SECTION HAS BEEN ADVERSELY AFFECTED SHALL BE REPLACED AND NOT UTILIZED IN THE CONSTRUCTION OF THE MANHOLE.

PRECAST CONCRETE **MANHOLE (SANITARY) DETAIL** SCALE: NONE

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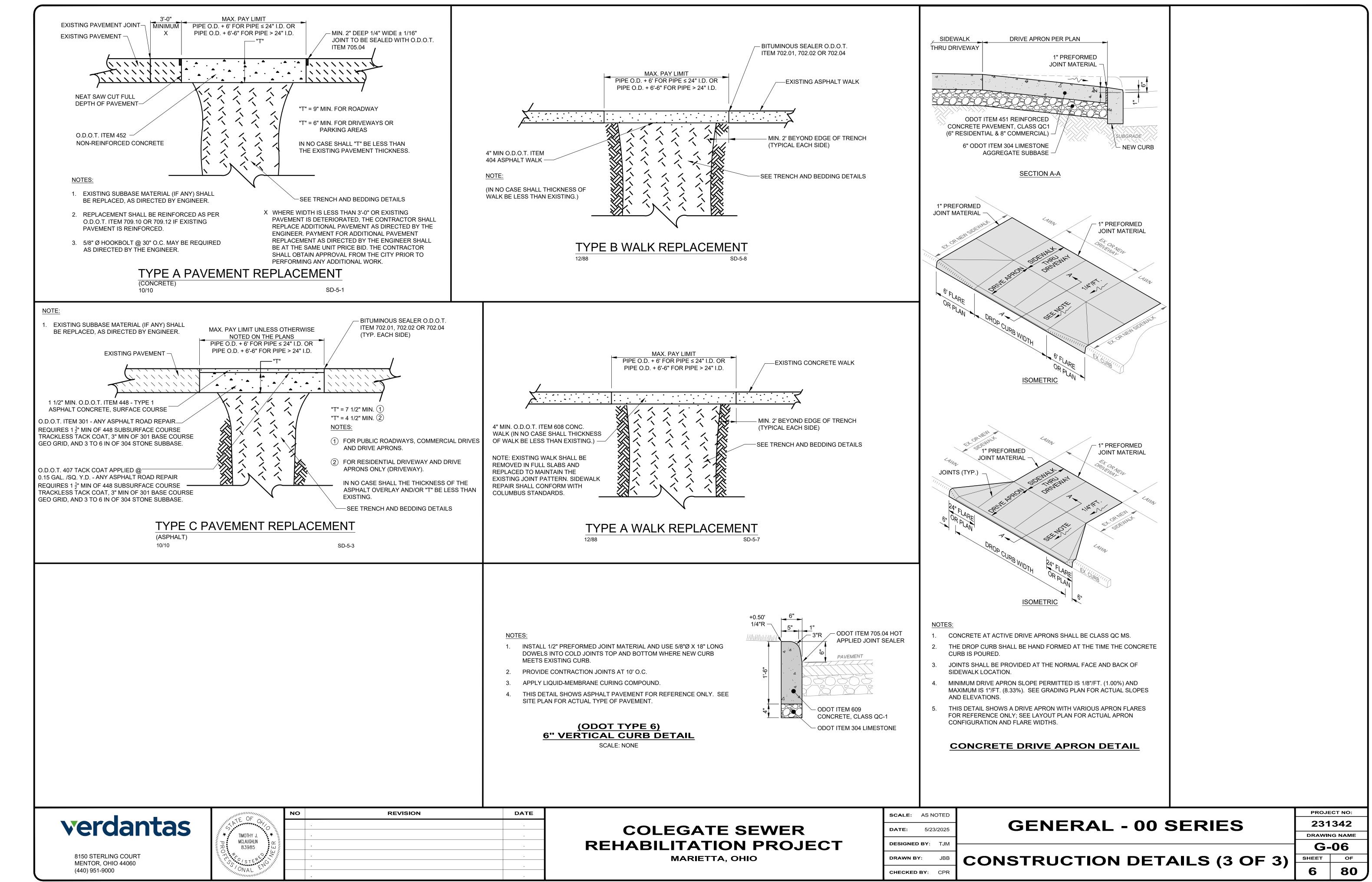
COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

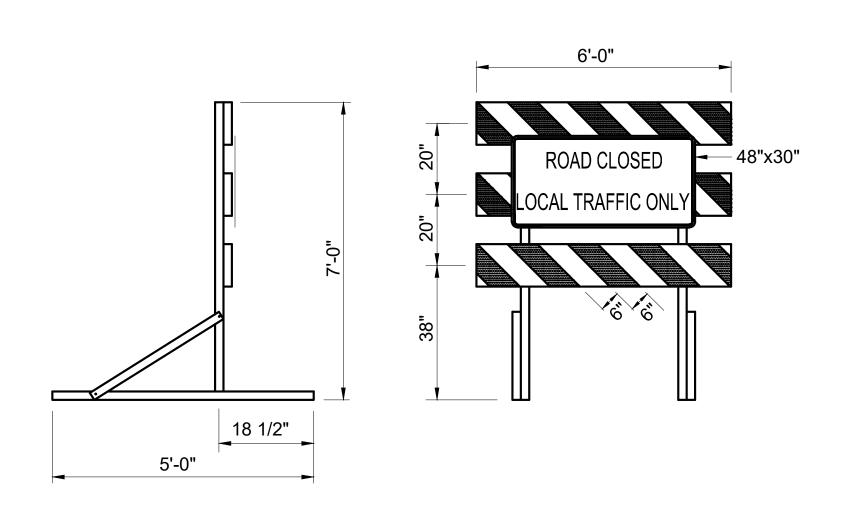
SCALE: AS NOTED 5/23/2025 DATE: **DESIGNED BY:** TJM **CONSTRUCTION DETAILS (2 OF 3)** DRAWN BY: CHECKED BY: CPR

GENERAL - 00 SERIES

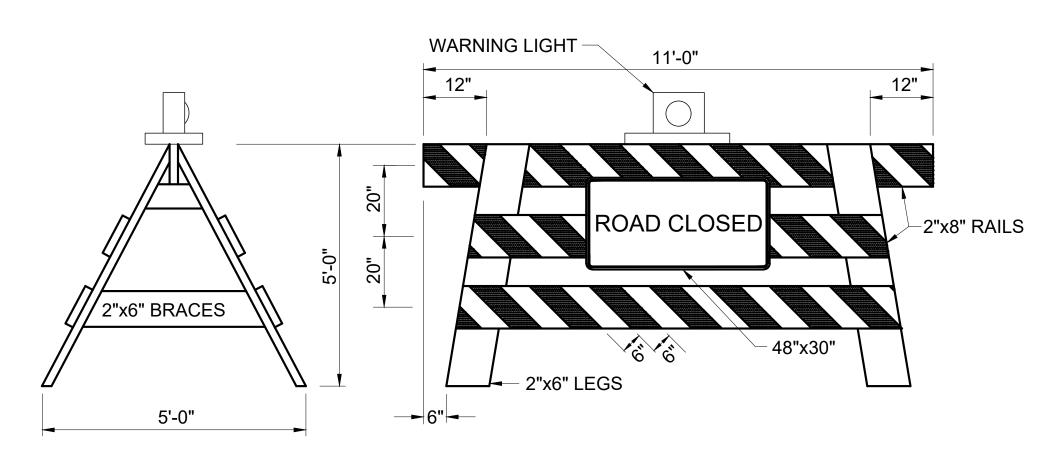
PROJECT NO: 231342 DRAWING NAME G-05

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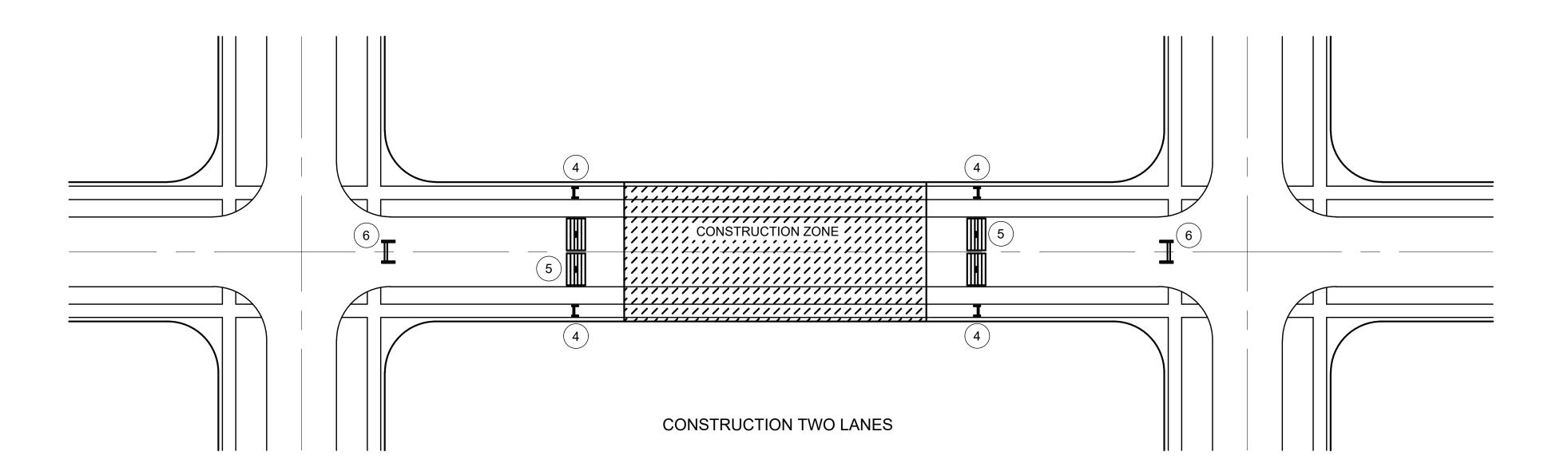


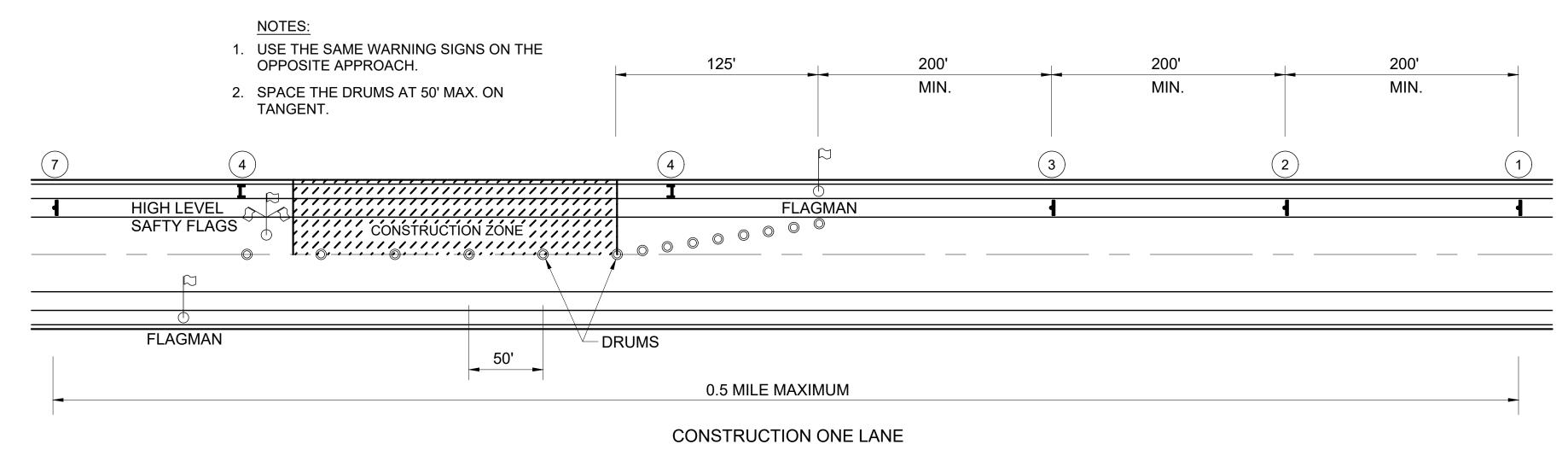
TYPE III PORTABLE CONSTRUCTION BARRICADE

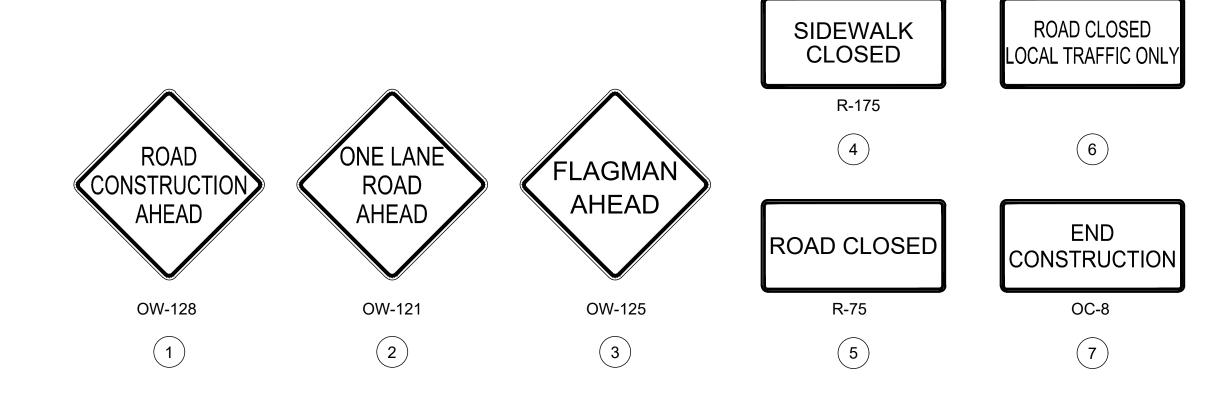


TYPE III DEMOUNTABLE CONSTRUCTION BARRICADE

- A. BARRICADES: BARRICADES SHALL BE CONSTRUCTED ACCORDING TO DETAILS SHOWN. WHEN THE ROAD IS CLOSED TO TRAFFIC, BARRICADES SHALL BE USED TO EFFECTIVELY CLOSE THE ENTIRE ROADWAY. THE ENDS OF THE BARRICADE SHALL BE LOCATED BY THE ENGINEER TO EFFECT THE DESIRED CLOSING OF THE ROADWAY.
- B. PAINTING AND REFLECTORIZATION: ALL RAILS OF THE BARRICADES AND GATES SHALL BE REFLECTORIZED WITH ORANGE AND WHITE REFLECTORIZED TYPE "G" SHEETING IN 6" WIDE ALTERNATE STRIPES WHICH SLOPE DOWNWARD TOWARD THE CENTERLINE OF THE ROAD AT AN ANGLE OF 45°. ALL THREE RAILS OF THE ROAD CLOSED BARRICADE SHALL BE STRIPED ON THE SIDE FACING TRAFFIC. ALL GATE RAILS SHALL BE STRIPED ON BOTH SIDES. ALL POSTS, BRACES, GATE-LEGS, AND UNSTRIPED RAILS SHALL BE PAINTED WHITE.
- C. TYPE "C" STEADY BURNING BARRICADE WARNING LIGHTS: EACH GATE SHALL BE EQUIPPED WITH A TYPE "C" STEADY BURNING BARRICADE WARNING LIGHT, CONSPICUOSLY VISIBLE AT ALL DISTANCES UP TO 1000' UNDER NORMAL CONDITIONS BETWEEN SUNSET AND SUNRISE DURING THE PERIOD THE ROAD IS CLOSED.
- D. SIGNS: WHERE THE ROAD IS CLOSED TO TRAFFIC BY THE ERECTION OF BARRICADES, "ROAD CLOSED" SIGNS (R-75) SHALL BE MOUNTED ON THE BARRICADES AS SHOWN. WHEN TRAFFIC IS MAINTAINED, A "ROAD CONSTRUCTION AHEAD" SIGN (OW-128) SHALL BE USED ON THE RIGHT SHOULDER ON THE APPROACHES AT THE INTERSECTING STREET IN ADVANCE OF THE PROJECT. WHERE THE SIDEWALK IS CLOSED TO PEDESTRIAN TRAFFIC "SIDEWALK CLOSED" SIGNS SHALL BE ERECTED ACROSS THE WALK AT THE LOCATION SHOWN.







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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J. MCLAUGHLIN 83985

NO REVISION DATE

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

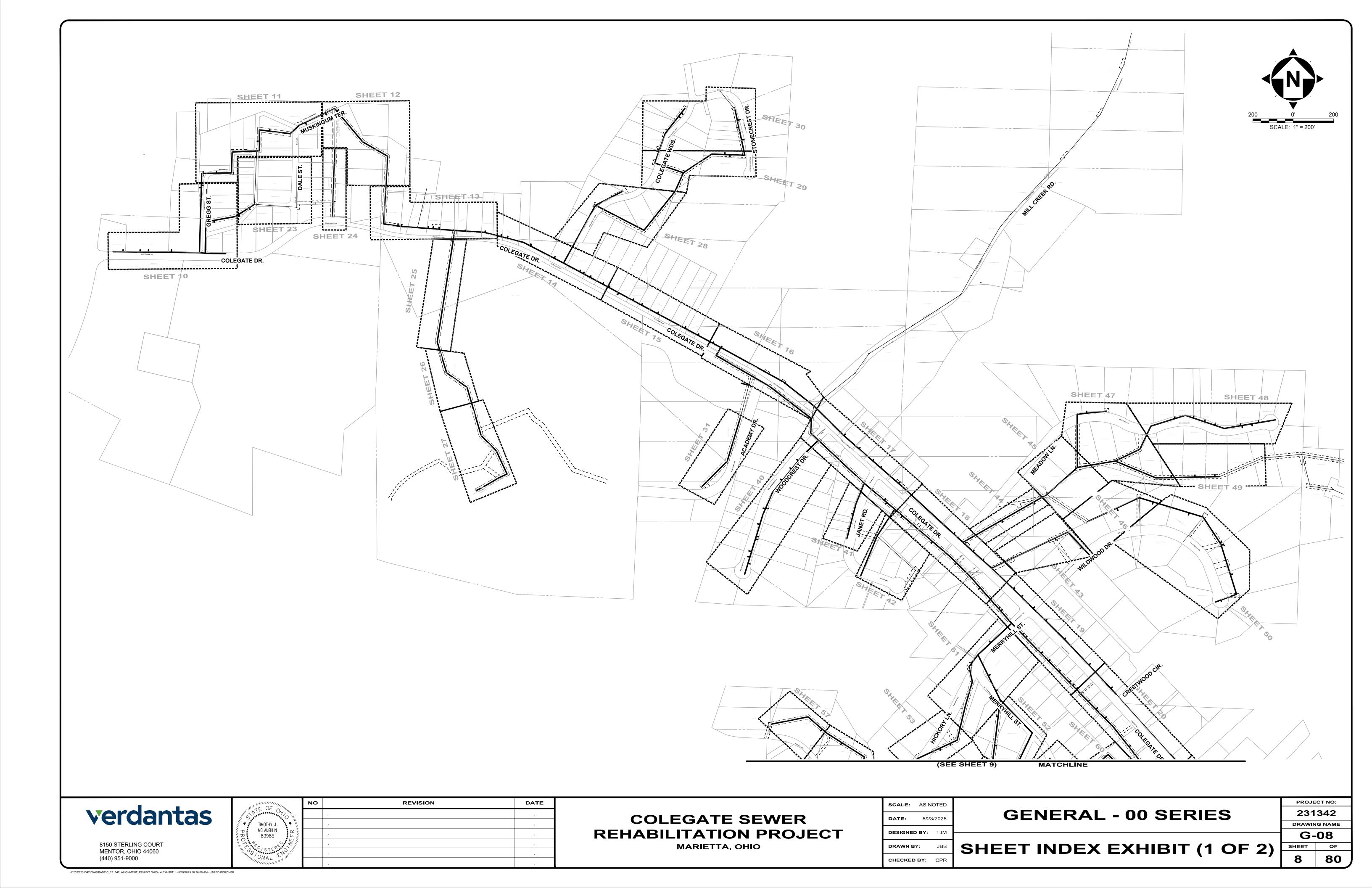
SCALE: AS NOTED DATE: 5/23/2025 **DESIGNED BY:** TJM DRAWN BY:

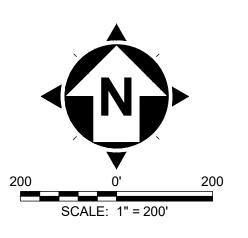
CHECKED BY: CPR

CIVIL - 10 SERIES MAINTENANCE OF

TRAFFIC

PROJECT NO: 231342 DRAWING NAME G-07 SHEET 80







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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNED	BY:	TJM	
DRAWN B	Y:	JBB	S
CHECKED	BY:	CPR	

GENERAL - 00 SERIES

SHEET INDEX EXHIBIT (2 OF 2)

SHEET OF

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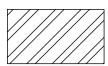
H:\t2023\t231342\DWG\BASE\C_231342_ALIGNMENT_EXHIBIT.DWG - 5 EXHIBIT 2 - 5/19/2025 10:26:08 AM - JARED BORDNER

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN

SANITARY IMPROVEMENTS CODED NOTES:

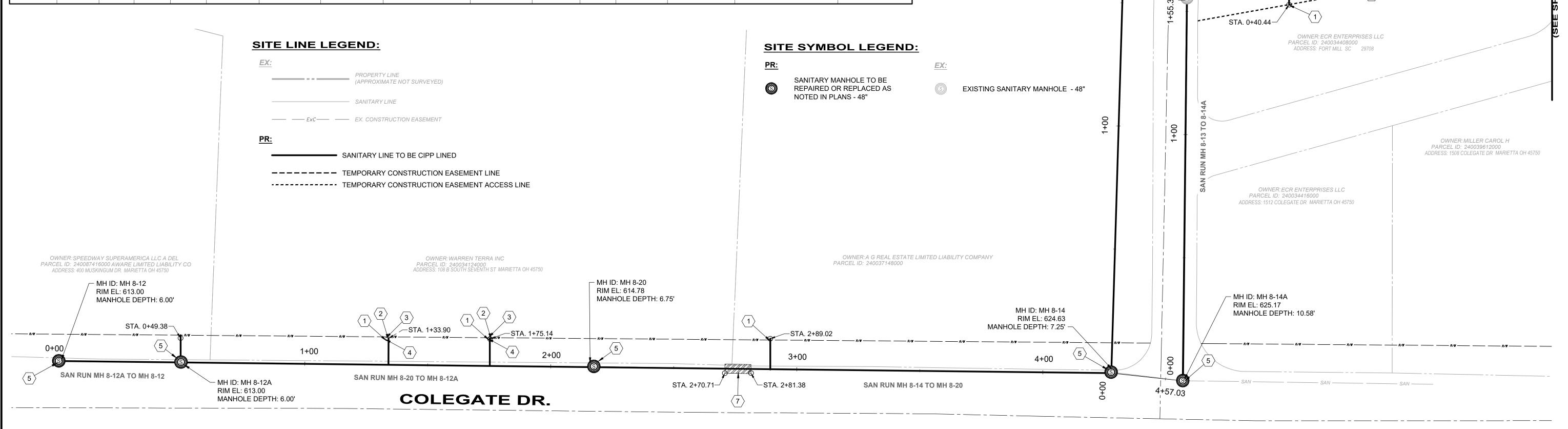
- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- 5 MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

GENERAL PROPOSED REHABILATION:



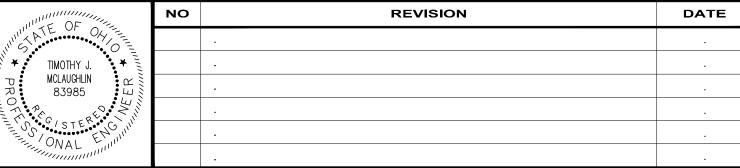
POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

		De		lie.					AVERAGE			R	EPAIR IMPRO	VEMENTS	
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 8-12A TO MH 8-12	MH 8-12	0+00	MH 8-12A	0+50	50'	12"	VCP	0	6.0'	NO	YES	50'	6	0	
MH 8-20 TO MH 8-12A	MH 8-12 DH	0+50	MH 8-20	2+18	168'	12"	VCP	2	6.4'	NO	YES	168'	6	2	
MH 8-14 TO 8-20	MH 8-20	2+17	MH 8-14	4+28	211'	12"	VCP	1	7.0'	YES	YES	211'	6	1	
MH 8-19 TO 8-14	MH 8-14	0+00	MH 8-19	3+91	391'	12"	VCP	2	7.0'	NO	YES	391'	6	2	
MH 8-13 TO MH 14A	MH 8-14A	0+00	MH 8-13	1+55	155'	8"	VCP	0	7.5'	NO	YES	155'	4	0	
MH 8-13A TO 8-13	MH 8-13	0+00	MH 8-13A	1+50	150'	8"	VCP	1	5.5'	YES	YES	150'	4	1	



verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 DESIGNED BY: TJM DRAWN BY: CHECKED BY: CPR

(SEE SHEET 11)

STA. 3+21.50-

MH ID: MH 8-13 RIM EL: 623.81

MANHOLE DEPTH: 4.50' -

OWNER: GARDEN CENTER RE LLC

OWNER: GARDEN CENTER RE LLC

PARCEL ID: 240037140000

PARCEL ID: 240037140000

MATCHLINE

+STA. 3+33.77

OWNER: WHARTON MARY J & WILLIAM E ET AL

SCALE: 1" = 20'

MH ID: MH 8-13A RIM EL: 626.00

MANHOLE DEPTH: 6.50' -

PARCEL ID: 240088280000 ADDRESS: 104 GREGG ST MARIETTA OH 45750

OWNER: DELPH GEORGE R PARCEL ID: 240035872000 ADDRESS: 102 GREGG ST MARIETTA OH 45750

OWNER: ECR ENTERPRISES LLC

PARCEL ID: 240034408000

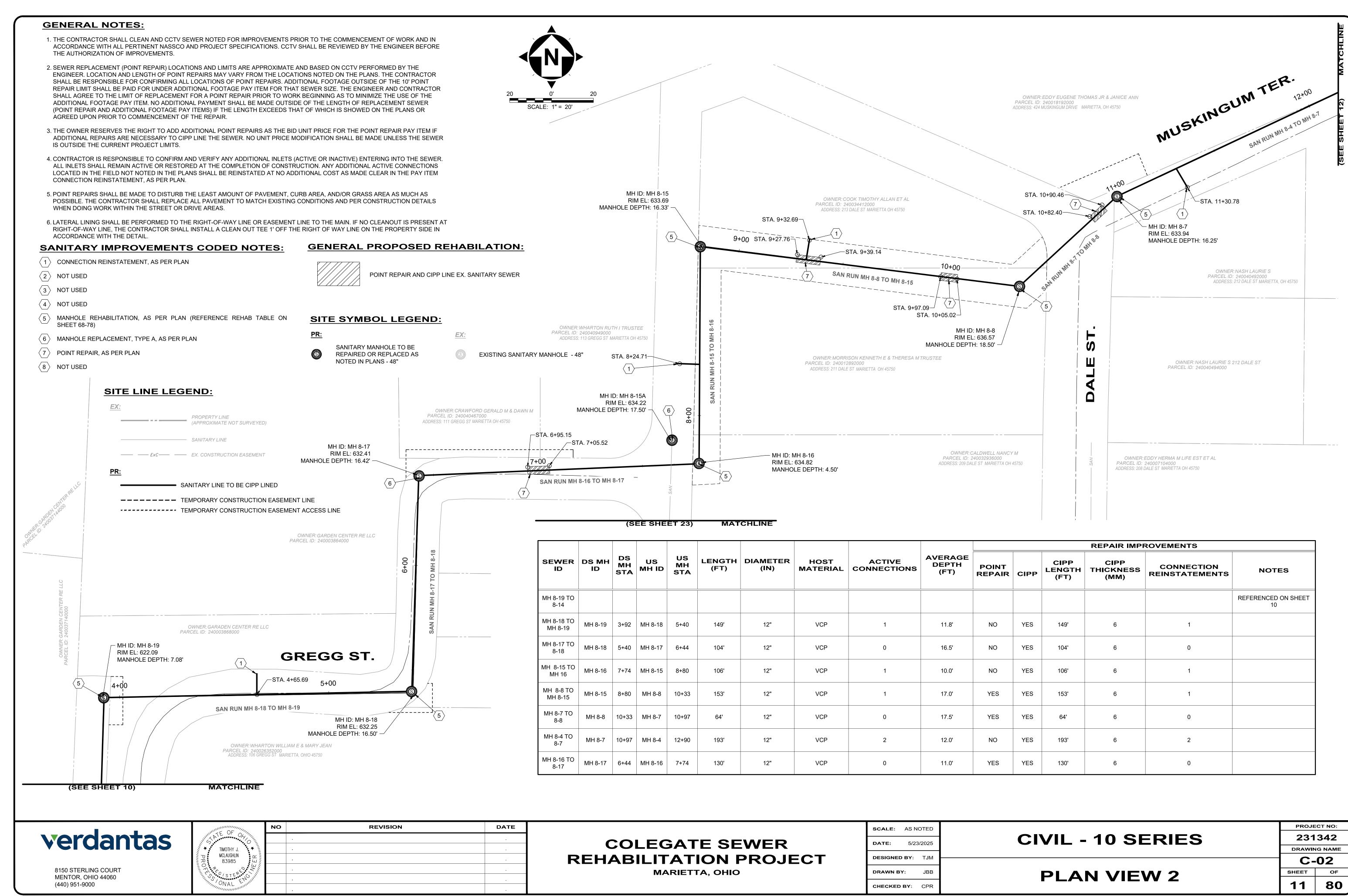
STA. 0+66.76-

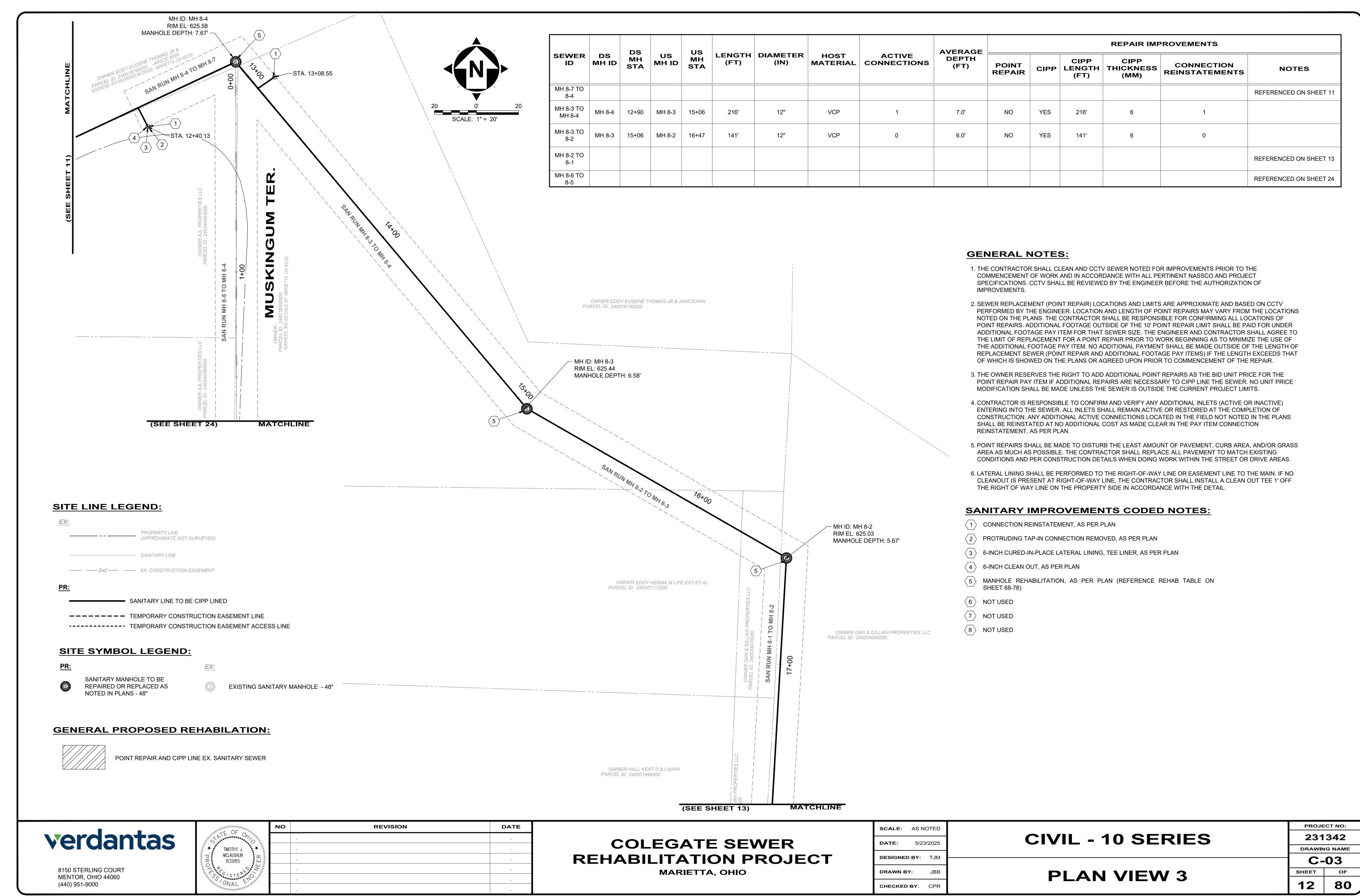
SAN RUN MH 8-13A TO MH 8-13

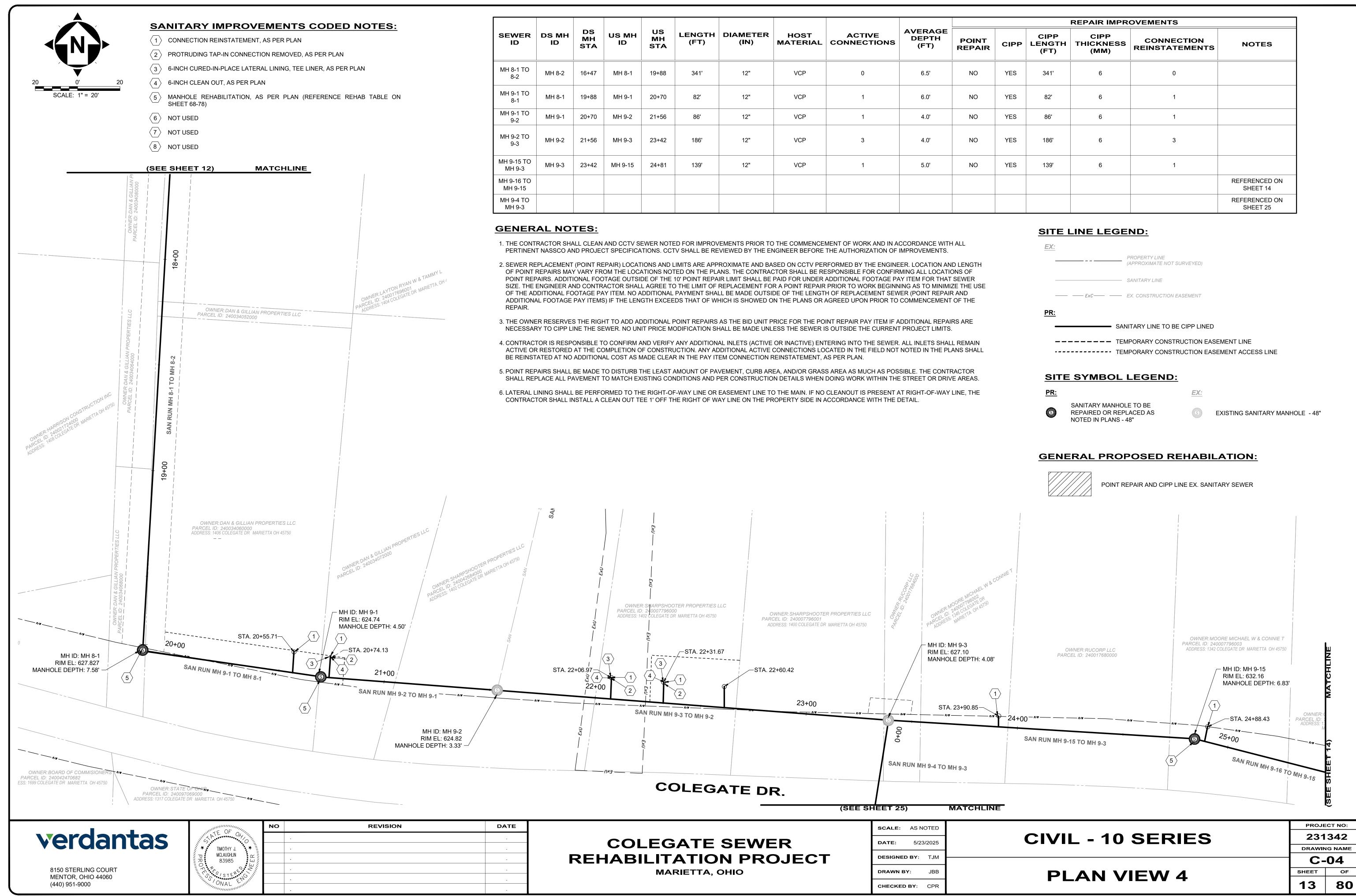
─STA. 0+74.89

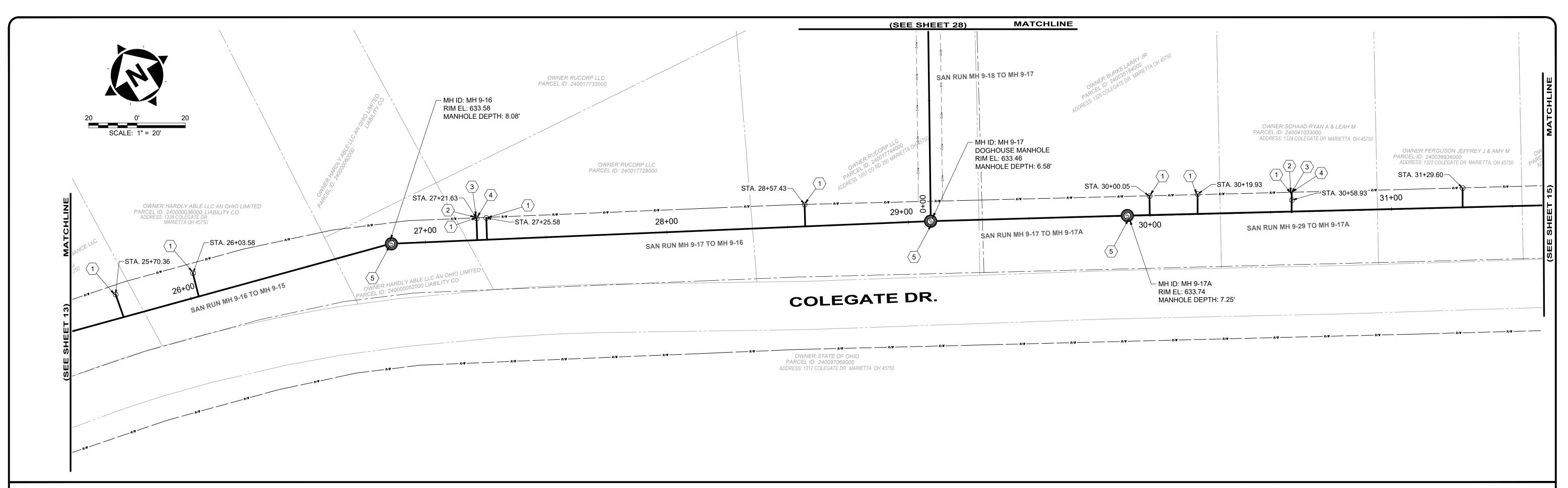
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PROJECT NO: **CIVIL - 10 SERIES** 231342 DRAWING NAME C-01 SHEET **PLAN VIEW 1** 10 80







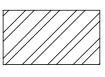


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SANITARY IMPROVEMENTS CODED NOTES:

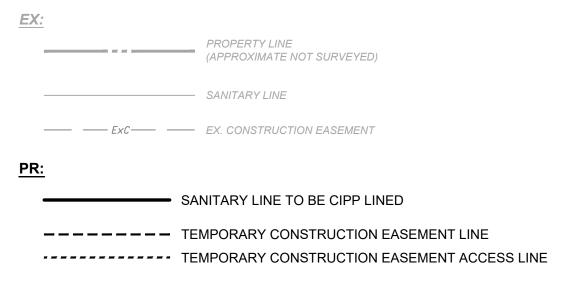
- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- \langle 2 \rangle PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- (5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- $\overline{7}$ NOT USED
- 8 NOT USED

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

SITE LINE LEGEND:



SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"

		DS		us					AVERAGE				REPAIR IMP	ROVEMENTS		
ID M	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-16 TO 9-15	MH 9-15	24+81	MH 9-16	26+87	206'	12"	VCP	3	7.0'	NO	YES	200'	6	3		
MH 9-16 TO 9-17	MH 9-16	26+87	MH 9-17	29+10	223'	12"	VCP	3	7.5'	NO	YES	223'	6	3		
MH 9-17A TO 9-17	MH 9-17	29+10	MH 9-17A	29+94	84'	12"	VCP	0	7.0'	NO	YES	84'	6	0		
MH 9-18 TO MH 9-17															REFERENCED ON SHEET 28	
MH 9-29 TO 9-17A	MH 9-17A	29+94	MH 9-29	33+97	403'	12"	VCP	8	8.0'	NO	YES	403'	6	8		



8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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PEC. TRES			•
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ONAL ELIM			

COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	ТЈМ	
DRAWN B	SY:	JBB	

CHECKED BY: CPR

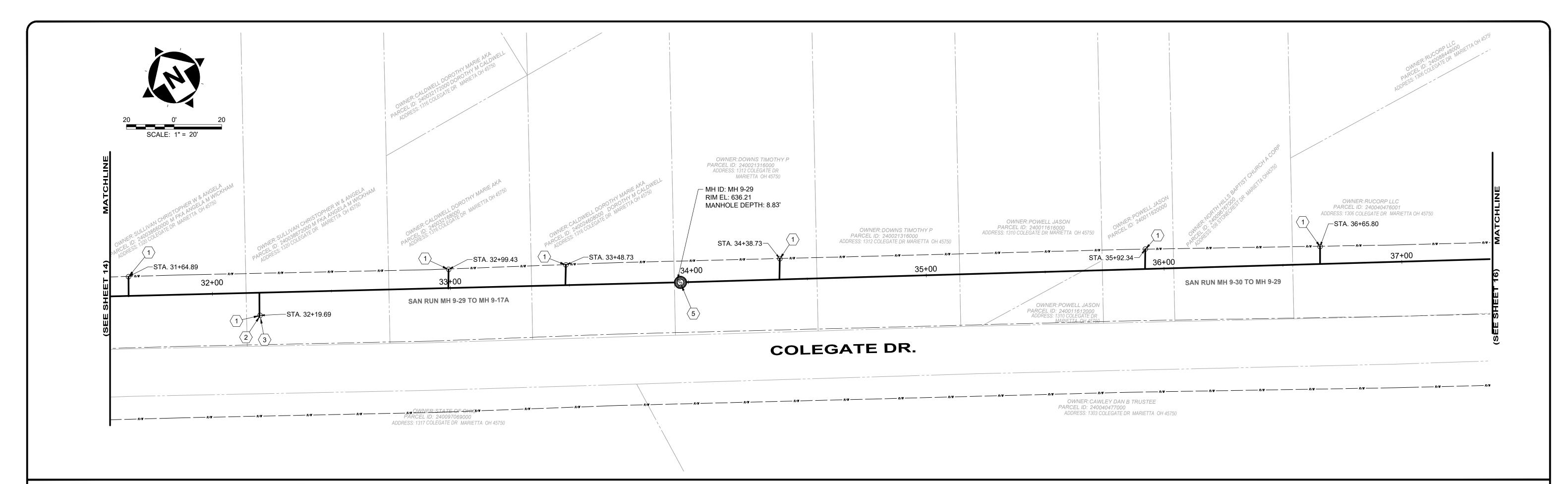
CIVIL	-	10	SERIES

PLAN VIEW 5

231	342								
DRAWING NAME									
C-05									
SHEET	OF								
14	80								

PROJECT NO:

H:\2023\231342\DWG\BASE\C 231342 BASE ALIGNMENTS AND IMPROVEMENTS.DWG - 14 PLAN VIEW 5 - 5/28/2025 4:24:05 PM - JARED BORDNER



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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CONTINUE TO THE INCIDILE TO CELL TO CONTINUE TO CONTINUE THE

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- $\overline{\langle 7 \rangle}$ NOT USED
- $\langle 8 \rangle$ NOT USED

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED)

SANITARY LINE

EXC EX. CONSTRUCTION EASEMENT

PR:

SANITARY LINE TO BE CIPP LINED

TEMPORARY CONSTRUCTION EASEMENT LINE

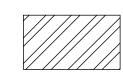
TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE
REPAIRED OR REPLACED AS
NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

DS DS			us					AVERAGE							
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-29 TO 9-17A															REFERENCED ON SHEET 14
MH 9-30 TO MH 9-29	MH 9-29	33+97	MH 9-30	37+94	397'	12"	VCP	4	11.0'	NO	YES	397'	6	4	

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

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VSTER C			
NAL Emil			

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 6

C-06

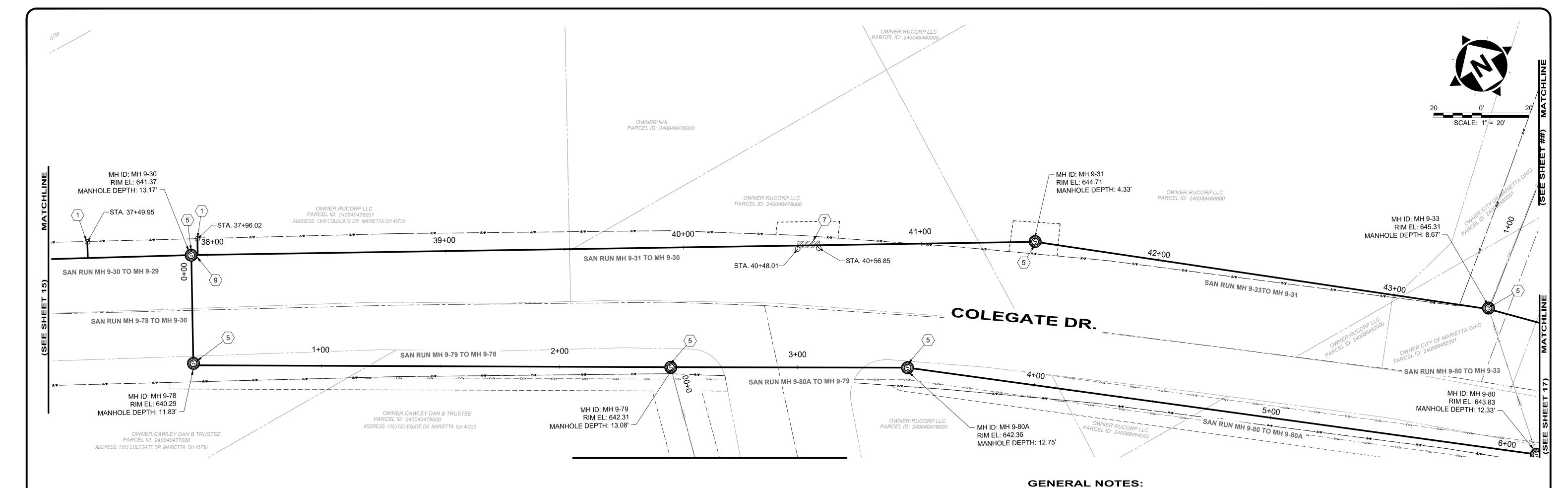
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PROJECT NO:

231342

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SEWED BS	DS		us					AVERAGE				REPAIR IM	PROVEMENTS		
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	(FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-30 TO 9-29															REFERENCED ON SHEET 15
MH 9-31 TO 9-30	MH 9-30	37+94	MH 9-31	41+45	351'	12"	VCP	1	9.0'	YES	YES	351'	6	1	
MH 9-33 TO 9-31	MH 9-31	41+45	MH 9-33	43+40	195'	12"	VCP	0	6.5'	NO	YES	195'	6	0	
MH 9-78 TO 9-30	MH 9-30	0+00	MH 9-78	0+49	49'	12"	VCP	0	12.0'	NO	YES	49'	6	0	
MH 9-79 TO 9-78	MH 9-78	0+49	MH 9-79	2+50	201'	12"	VCP	0	12.0'	NO	YES	201'	6	0	
MH 9-80A TO 9-79	MH 9-79	2+50	MH 9-80A	3+49	99'	10"	VCP	0	12.5'	NO	YES	99'	6	0	
MH 9-80 TO 9-80A	MH 9-80A	3+49	MH 9-80	6+10	261'	10"	VCP	0	12.0'	NO	YES	261'	6	0	

SITE LINE LEGEND: PROPERTY LINE (APPROXIMATE NOT SURVEYED) SANITARY LINE EX. CONSTRUCTION EASEMENT PR: SANITARY LINE TO BE CIPP LINED TEMPORARY CONSTRUCTION EASEMENT LINE TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

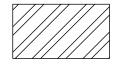
PR:

EX:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

© EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

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SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- $\left\langle 7
 ight
 angle$ POINT REPAIR, AS PER PLAN
- 8 NOT USED
- 9 INSTALL INTERNAL DROP STRUCTURE, PER DETAIL

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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE: AS N	OTED	
DATE: 5/2	3/2025	
DESIGNED BY:	TJM	
DRAWN BY:	JBB	
CHECKED BY:	CPR	

CIVIL - 10 SERIES	
	9

PLANVIEW 7

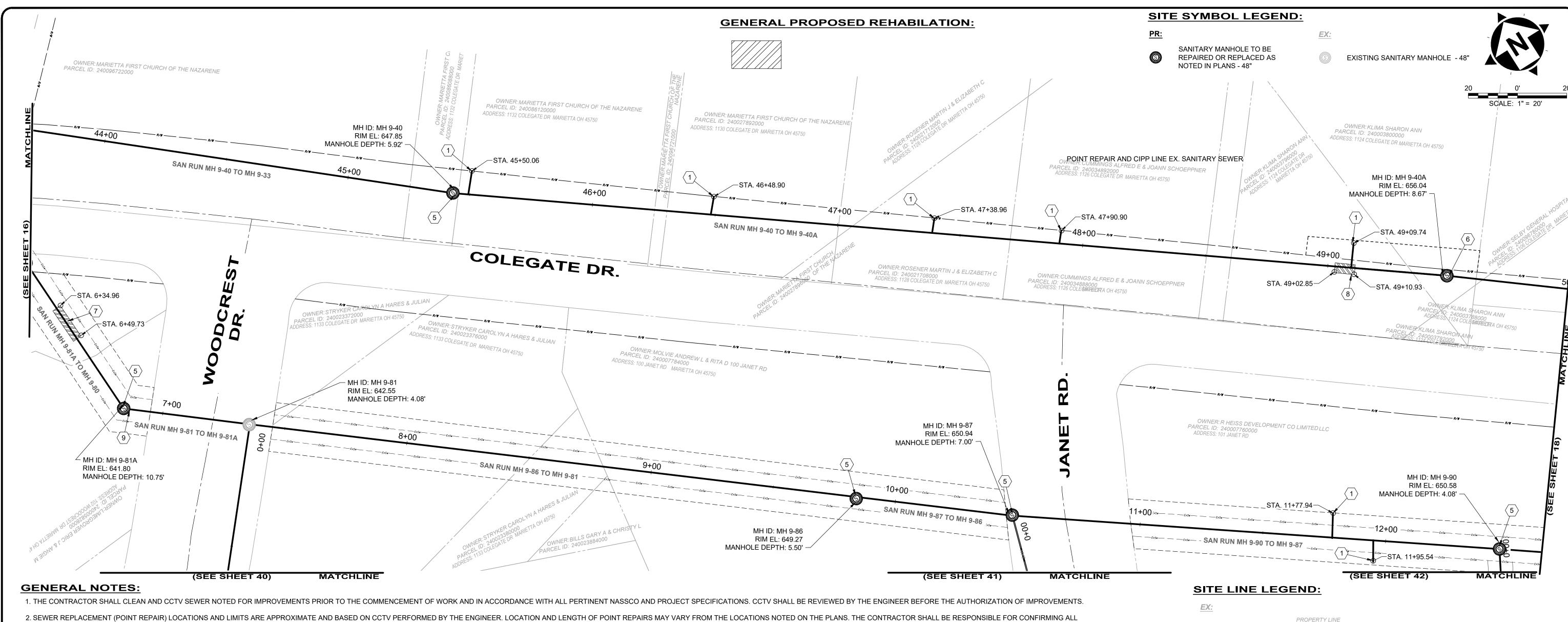
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16 80

PROJECT NO:

231342

DRAWING NAME

C-07



- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

										REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-40 TO 9-33	MH 9-33	43+40	MH 9-40	45+45	205'	10"	VCP	0	7.0'	NO	YES	205'	4	0		
MH 9-40A TO 9-40	M 9-40	45+45	MH 9-40A	49+47	402'	10"	VCP	5	7.0'	YES	YES	402'	4	5		
MH 9-81A TO 9-80	MH 9-80	6+10	MH 9-81A	6+86	76'	10"	VCP	0	12.0'	YES	YES	76'	4	0		
MH 9-81 TO MH 9-81A	MH 9-81A	6+86	MH 9-81	7+35	49'	10"	VCP	0	7.0'	YES	YES	49'	4	0		
MH 9-86 TO 9-81	MH 9-81	7+35	MH 9-86	9+84	249'	10"	VCP	0	5.0'	NO	YES	249'	4	0		
MH 9-87 TO 9-86	MH 9-86	9+84	MH 9-87	10+45	61'	10"	VCP	0	6.0'	NO	YES	61'	4	0		
MH 9-90 TO MH 9-87	MH 9-87	10+45	MH 9-90	12+43	198'	10"	VCP	2	5.5'	NO	YES	198'	4	2		

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	IOTED	
DATE:	5/2	3/2025	
DESIGNE	D BY:	TJM	
DRAWN E	BY:	JBB	
CHECKE	D BY:	CPR	

2 NOT USED

3 NOT USED

4 NOT USED

6 NOT USED

8 NOT USED

SHEET 68-78)

 $\overline{7}$ POINT REPAIR, AS PER PLAN

CIVIL - 10 SERIES

(APPROXIMATE NOT SURVEYED)

--- ExC--- EX. CONSTRUCTION EASEMENT

SANITARY IMPROVEMENTS CODED NOTES:

(5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON

(1) CONNECTION REINSTATEMENT, AS PER PLAN

(9) INSTALL INTERNAL DROP STRUCTURE, PER DETAIL

SANITARY LINE

SANITARY LINE TO BE CIPP LINED

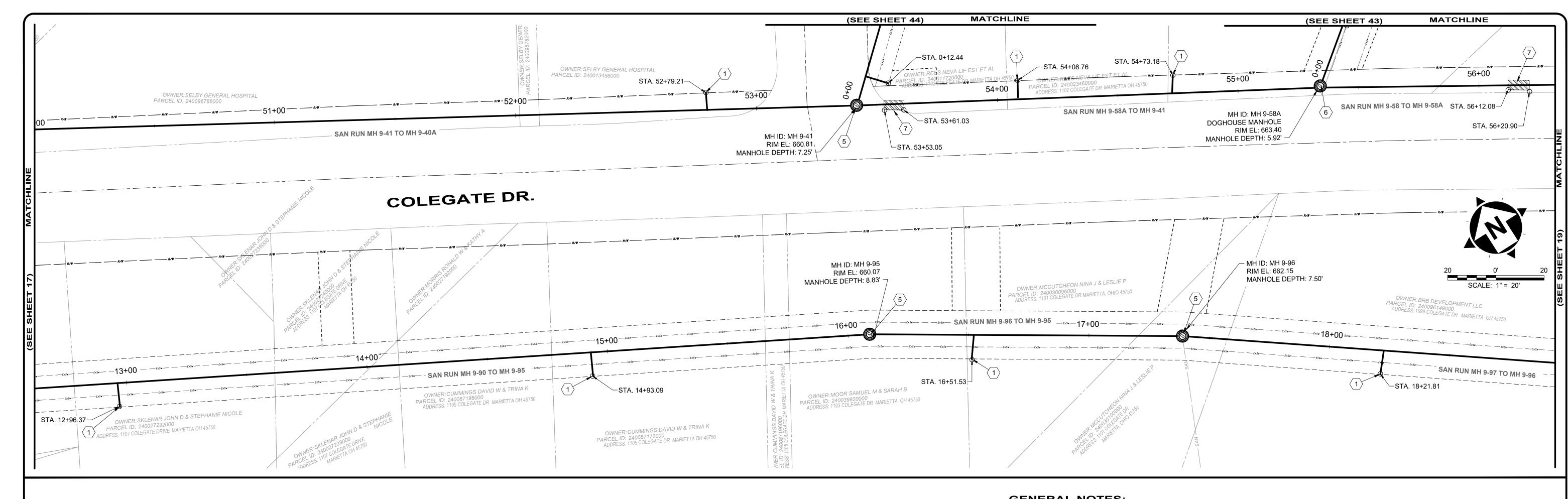
----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

————— TEMPORARY CONSTRUCTION EASEMENT LINE

PROJECT NO:

231342

H:\2023\231342\DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 17 PLAN VIEW 8 - 5/28/2025 4:24:05 PM - JARED BORDNER



		De		116	l				AVERAGE	REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	ACTIVE DEPTH _		CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-41 TO 40A	MH 9-40A	49+52	MH 9-41	53+41	397'	10"	VCP	1	8.0'	NO	YES	397'	4	1	
MH 9-58A TO 9-41	MH 9-41	53+41	MH 9-58A	55+31	190'	8"	VCP	2	6.5'	YES	YES	190'	4	2	
MH 9-58 TO 9-58A	MH 9-58A	55+31	MH 9-58	56+53	122'	8"	VCP	0	7.0'	YES	YES	122'	4	0	
MH 9-58B TO 9-58A															REFERENCED ON SHEET 43
MH 9-95 TO 9-90	MH 9-90	12+48	MH 9-95	16+06	358'	10"	VCP	2	6.0'	NO	YES	358'	4	2	
MH 9-96 TO 9-95	MH 9-95	16+06	MH 9-96	17+35	129'	10"	VCP	1	8.0'	NO	YES	129'	4	1	
MH 9-97 TO 9-96															REFERENCED ON SHEET 19
MH 9-41A TO 9-41															REFERENCED ON SHEET 44

REVISION

SITE SYMBOL LEGEND: SITE LINE LEGEND: EX: PROPERTY LINE SANITARY MANHOLE TO BE (APPROXIMATE NOT SURVEYED) REPAIRED OR REPLACED AS © EXISTING SANITARY MANHOLE - 48" NOTED IN PLANS - 48" ----- SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT **GENERAL PROPOSED REHABILATION:** SANITARY LINE TO BE CIPP LINED ---- TEMPORARY CONSTRUCTION EASEMENT LINE POINT REPAIR AND CIPP LINE EX. SANITARY SEWER ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

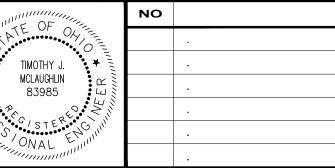
GENERAL NOTES:

- THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTO SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
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- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- (7) POINT REPAIR, AS PER PLAN
- $\langle 8 \rangle$ NOT USED

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



DATE

COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/2	3/2025	
DESIGNE	D BY:	TJM	
DRAWN E	BY:	JBB	
CHECKE	D BY:	CPR	

CIVIL - 10 SERIES

231342

DRAWING NAME

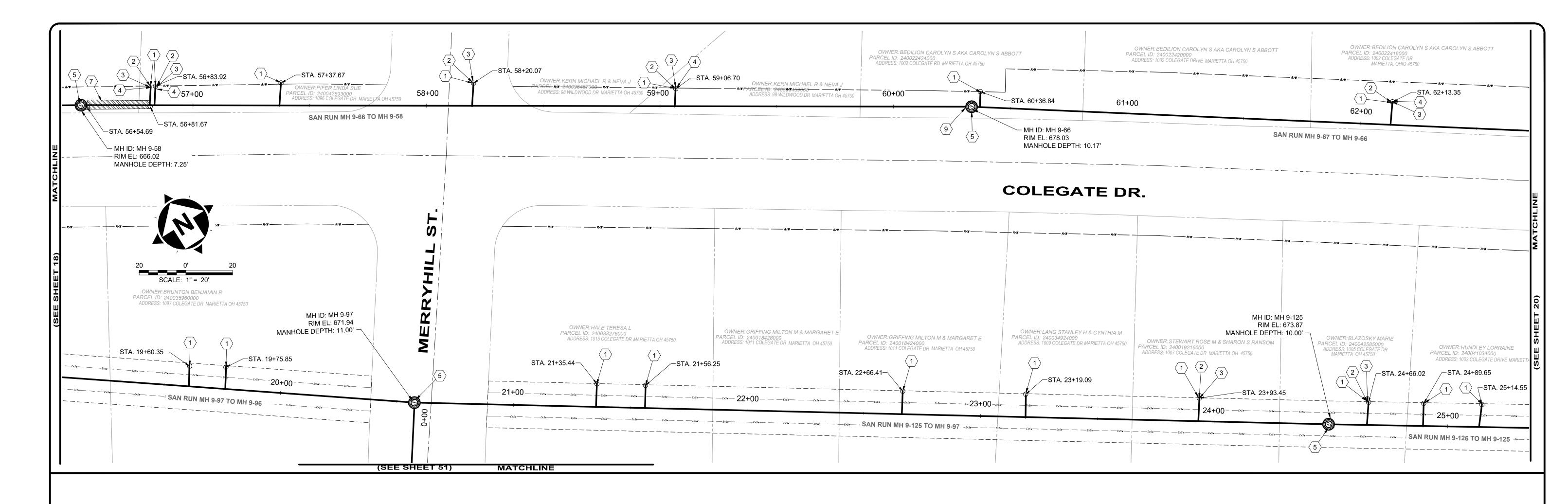
C-09

SHEET OF

80

18

PROJECT NO:



		DS		us					AVERAGE			R	REPAIR IMPROVEMENTS			
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR		CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-66 TO 9-58	MH 9-58	56+53	MH 9-66	60+32	379'	8"	VCP	5	8.5'	YES	YES	379'	4	5		
MH 9-67 TO 9-66															REFERENCED ON SHEET 20	
MH 9-97 TO 9-96	MH 9-96	17+40	MH 9-97	20+54	314'	10"	VCP	3	9.5'	NO	YES	314'	4	3		
MH 9-125 TO MH 9-97	MH 9+97	20+54	MH 9-125	24+50	396'	8"	VCP	5	10.5'	NO	YES	396'	4	5		
MH 9-126 TO 9-125															REFERENCED ON SHEET 20	

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED
- (9) INSTALL INTERNAL DROP STRUCTURE, PER DETAIL

SITE LINE LEGEND:

PROPERTY LINE (APPROXIMATE NOT SURVEYED) --- SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

---- TEMPORARY CONSTRUCTION EASEMENT LINE ***** TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J. MCLAUGHLIN 83985

REVISION NO DATE

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 **DESIGNED BY:** TJM DRAWN BY:

CHECKED BY: CPR

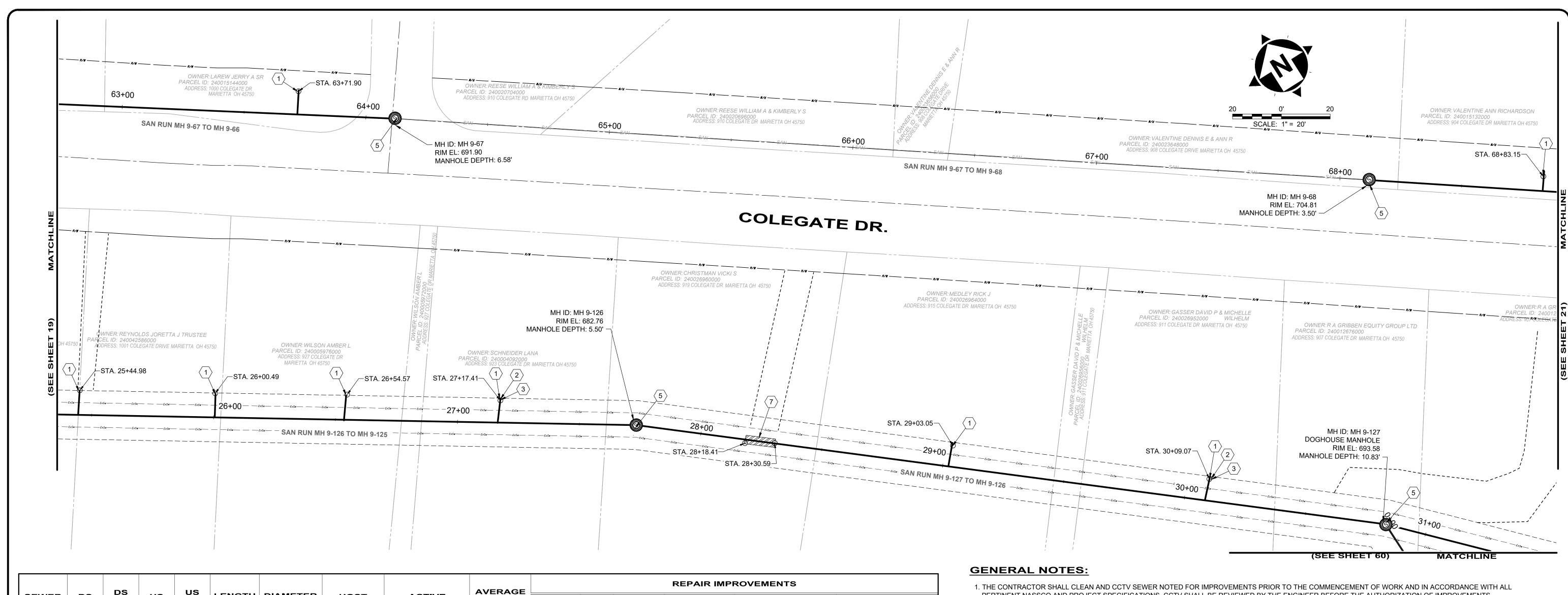
CIVIL - 10 SERIES

C-10 **PLAN VIEW 10** SHEET 19 80

PROJECT NO:

231342

DRAWING NAME



		DS		us					AVERAGE		REPAIR IMPROVEMENTS				
WER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR			CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
9-67 TO 9-66	MH 9-66	60+32	MH 9-67	64+11	379'	8"	VCP	3	8.5'	NO	YES	379'	4	3	
9-69 TO 9-68															REFERENCED ON SHEET 21
-126 TO -125	MH 9-125	24+50	MH 9-126	27+70	320'	8"	VCP	7	4.0'	NO	YES	320'	4	7	
-127 TO -126	MH 9-126	27+70	MH 9-127	30+81	311'	8"	VCP	2	8.0'	YES	YES	311'	4	2	

PROPERTY LINE
(APPROXIMATE NOT SURVEYED) ---- SANITARY LINE

---- ExC---- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

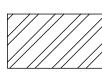
---- TEMPORARY CONSTRUCTION EASEMENT LINE TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

(1) CONNECTION REINSTATEMENT, AS PER PLAN

PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN

6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN

MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)

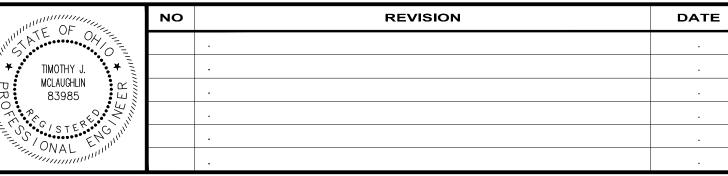
6 NOT USED

 $\overline{\langle 7 \rangle}$ POINT REPAIR, AS PER PLAN

8 NOT USED

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

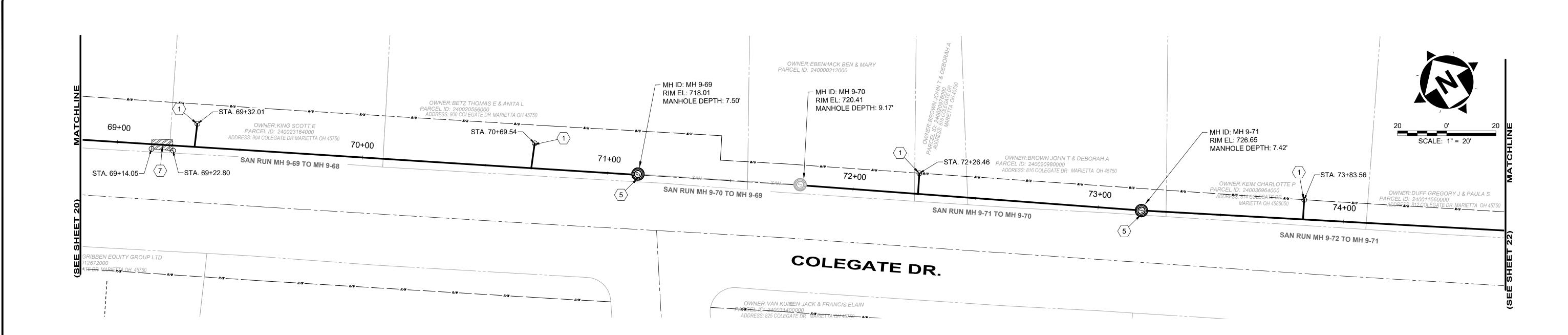
CHECKED BY: CPR

CIVIL - 10 SERIES

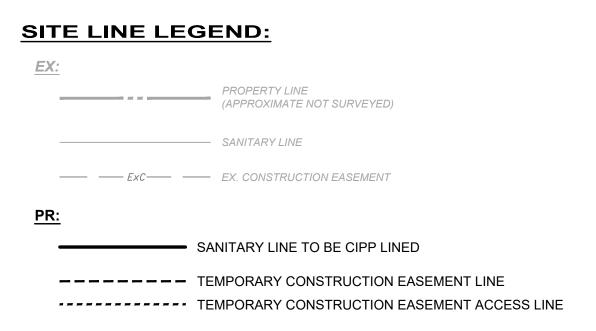
231342 DRAWING NAME C-11 SHEET

PLAN VIEW 11

20 80



		DS		US					AVERAGE		REPAIR IMPROVEMENTS				
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)			NOTES			
MH 9-69 TO 9-68	MH 9-68	68+12	MH 9-69	71+12	300'	8"	VCP	3	5.5'	YES	YES	300'	4	3	
MH 9-71 TO 9-70	MH 9-70	71+78	MH 9-71	73+17	139'	8"	VCP	1	8.0'	NO	YES	139'	4	1	
MH 9-72 TO 9-71															REFERENCED ON SHEET 22





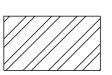
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SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

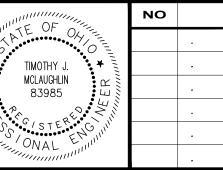
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SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- (7) POINT REPAIR, AS PER PLAN
- 8 NOT USED

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



NO	REVISION	DATE
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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE:	AS N	IOTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	TJM	
DRAWN B	Y:	JBB	
CHECKED	BY:	CPR	

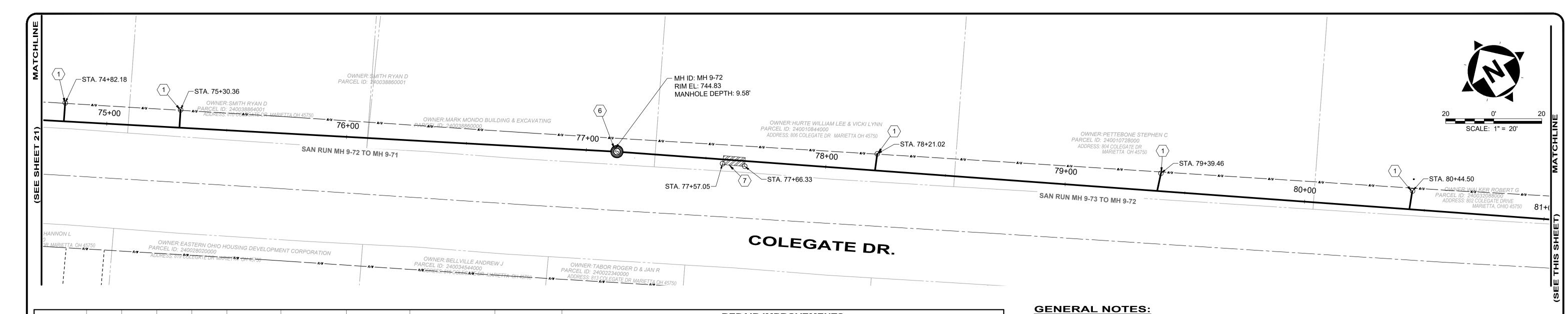
CIVIL - 10 SERIES

231342

DRAWING NAME

C-12

PROJECT NO:



1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH

2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION

ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS

C-13

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22

ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF

AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER

3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL

PLAN VIEW 13

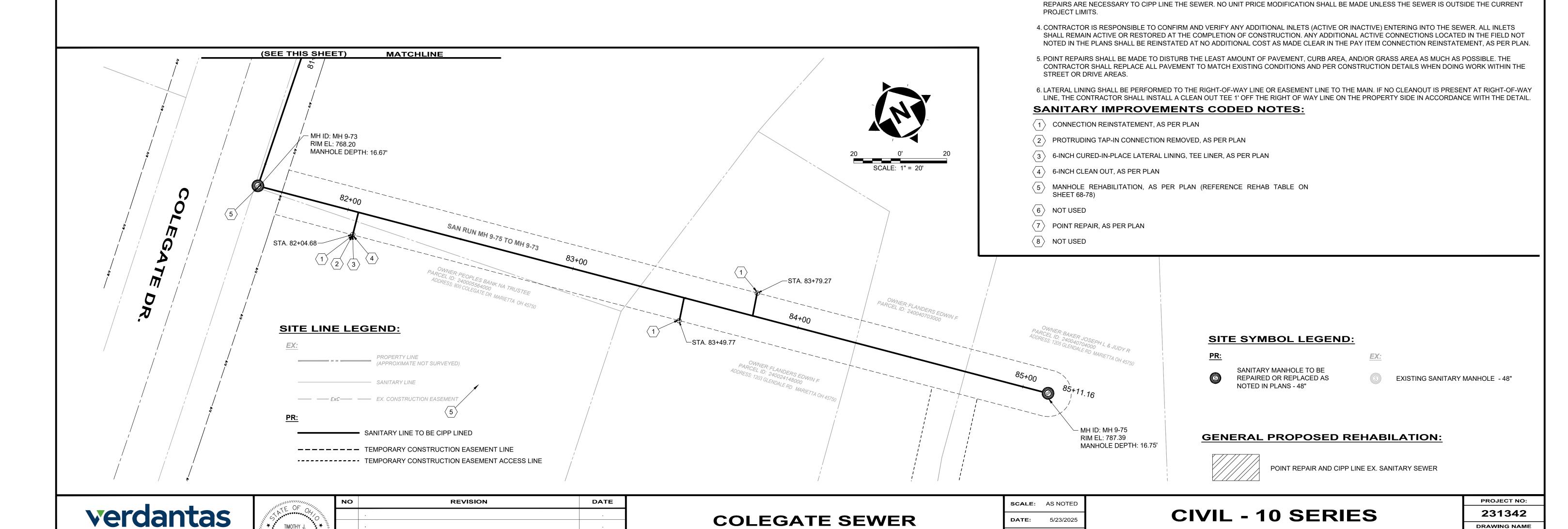
SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.

IMPROVEMENTS.

DRAWN BY:

CHECKED BY: CPR

		DS		us		1				REPAIR IMPROVEMENTS						
SEWER ID	ID MH ID	MH STA		МН	LENGTH (FT)		HOST MATERIAL	ACTIVE CONNECTIONS		POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-72 TO 9-71	MH 9-71	73+17	MH 9-72	77+11	394'	8"	VCP	3	8.5'	NO	YES	394'	4	3		
MH 9-73 TO 9-72	MH 9-72	77+11	MH 9-73	81+57	446'	8"	VCP	3	13.0'	YES	YES	446'	4	3		
MH 9-75 TO 9-73	MH 9-73	81+57	MH 9-75	85+11	354'	8"	VCP	3	16.7'	NO	YES	354'	4	3		



REHABILITATION PROJECT

MARIETTA, OHIO

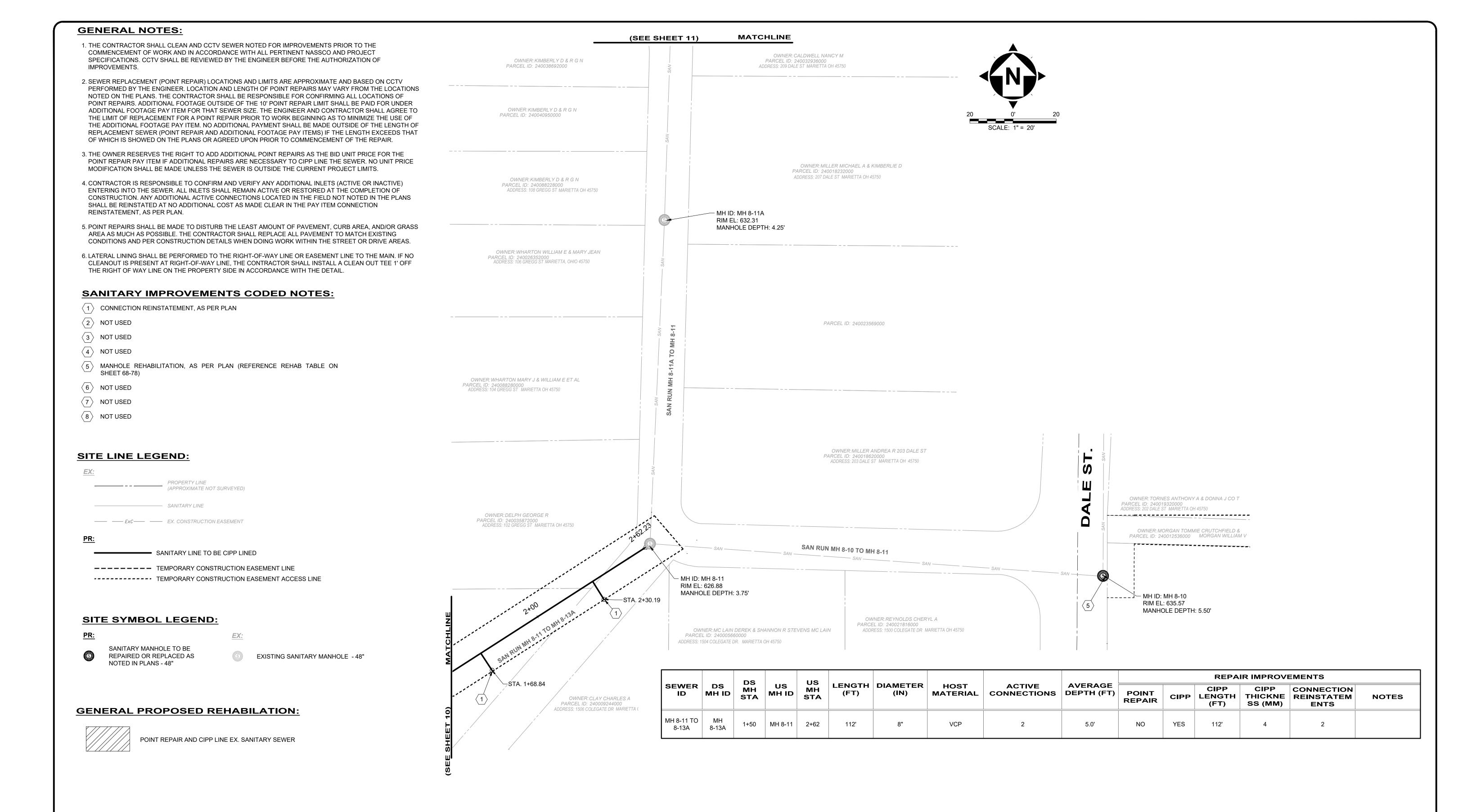
8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

MCLAUGHLIN

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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

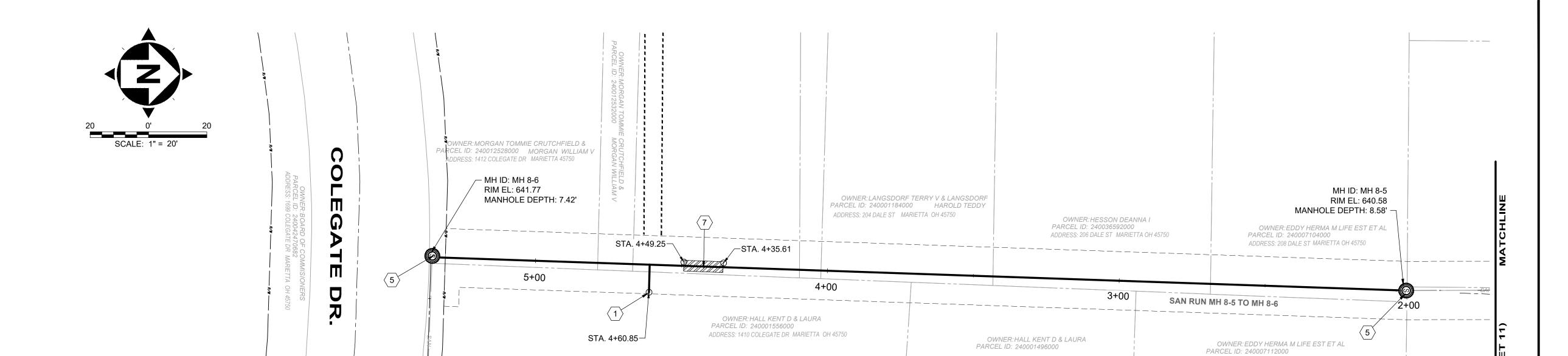
SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

PROJECT NO: CIVIL - 10 SERIES 231342 DRAWING NAME C-14 SHEET

23

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		DS		H				AVERAG	AVERAGE	REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 8-6 TO 8-5	MH 8-5	2+04	MH 8-6	5+93	389'	8"	VCP	1	8.0'	YES	YES	389'	4	1		

PROPERTY LINE
(APPROXIMATE NOT SURVEYED)

SANITARY LINE

EX. CONSTRUCTION EASEMENT

PR:

SANITARY LINE TO BE CIPP LINED

TEMPORARY CONSTRUCTION EASEMENT LINE

TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

PR:

TO DE

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"



GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- NOT USED
- (3) NOT USED
- $\overline{\langle 4 \rangle}$ NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- $\langle 6 \rangle$ NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

231342

DRAWING NAME

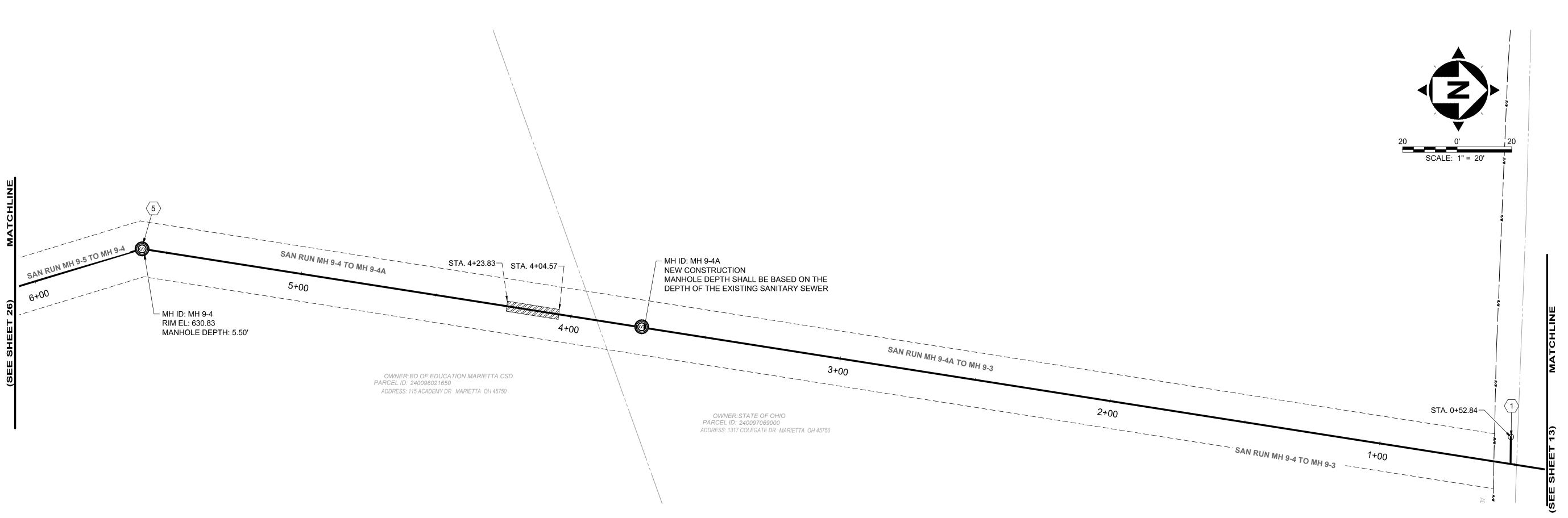
C-15

SHEET OF

80

24

PROJECT NO:



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

(1) CONNECTION REINSTATEMENT, AS PER PLAN

 $\overline{2}$ NOT USED

 $\overline{3}$ NOT USED

4 NOT USED

5 NOT USED

6 NOT USED

7 POINT REPAIR, AS PER PLAN

8 NOT USED

		DS		us		DIAMETER (IN)		ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	REPAIR IMPROVEMENTS						
	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)		HOST MATERIAL			POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-4 TO 9-4A	MH 9-4A	3+70	MH 9-4	5+60	190'	8"	VCP	0	5.0'	YES	YES	190'	4	0		
MH 9-4A TO 9-3	MH 9-3	0+00	MH 9-4A	3+70	370'	8"	VCP	1	5.0'	NO	YES	370'	4	0		
MH 9-5 TO 9-4															REFERENCED ON SHEET 26	

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED)

SANITARY LINE
EXC EX. CONSTRUCTION EASEMENT

PR:
SANITARY LINE TO BE CIPP LINED
TEMPORARY CONSTRUCTION EASEMENT LINE

----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

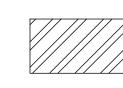
SITE SYMBOL LEGEND:

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SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48" _..._

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

MCLAUGHLIN

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COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

231342

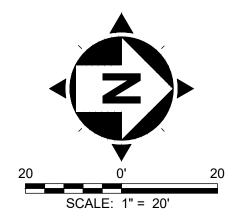
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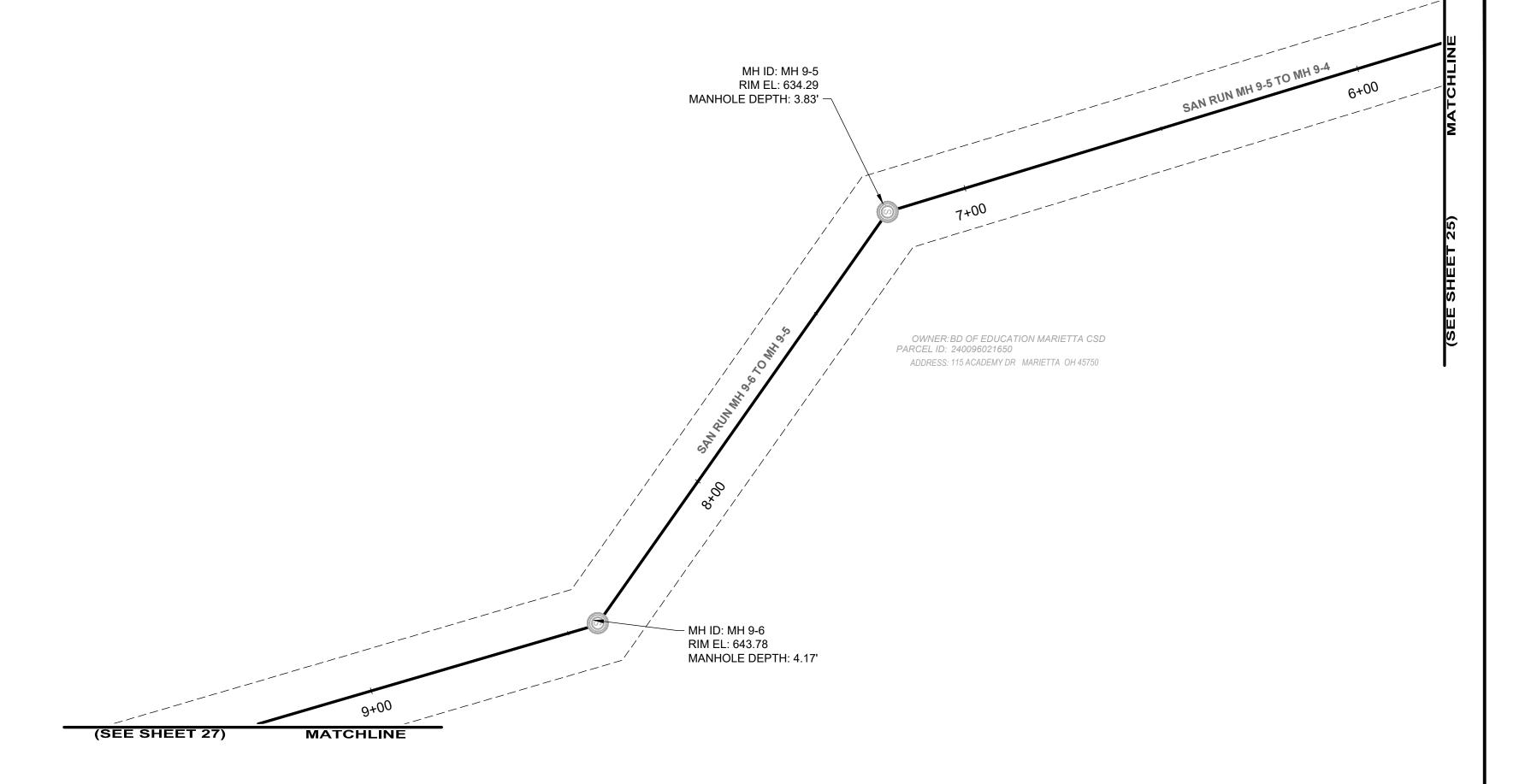
C-16

PROJECT NO:

PLAN VIEW 16

SHEET OF 25 80





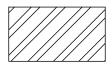
SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

(S) EXISTING SANITARY MANHOLE - 48"

		DS		US		DIAMETER (IN)		ACTIVE CONNECTIONS	AVERAGE		REPAIR IMPROVEMENTS				
SEWER	DS MH ID	MH STA	US MH ID	МН	(FT)				DEPTH	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-5 TO 9-4	MH 9-4	5+60	MH 9-5	7+18	158'	8"	VCP	0	4.0'	NO	YES	158'	4	0	
MH 9-6 TO 9-5	MH 9-5	7+18	MH 9-6	8+39	121'	8"	VCP	0	4.0'	NO	YES	121'	4	0	
MH 9-7 TO 9-6															REFERENCED ON SHEET 27

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

SITE LINE LEGEND:



---- TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SANITARY LINE TO BE CIPP LINED

SANITARY IMPROVEMENTS CODED NOTES:

1 NOT USED

2 NOT USED

3 NOT USED

4 NOT USED 5 NOT USED

6 NOT USED

 $\langle 7 \rangle$ NOT USED 8 NOT USED

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

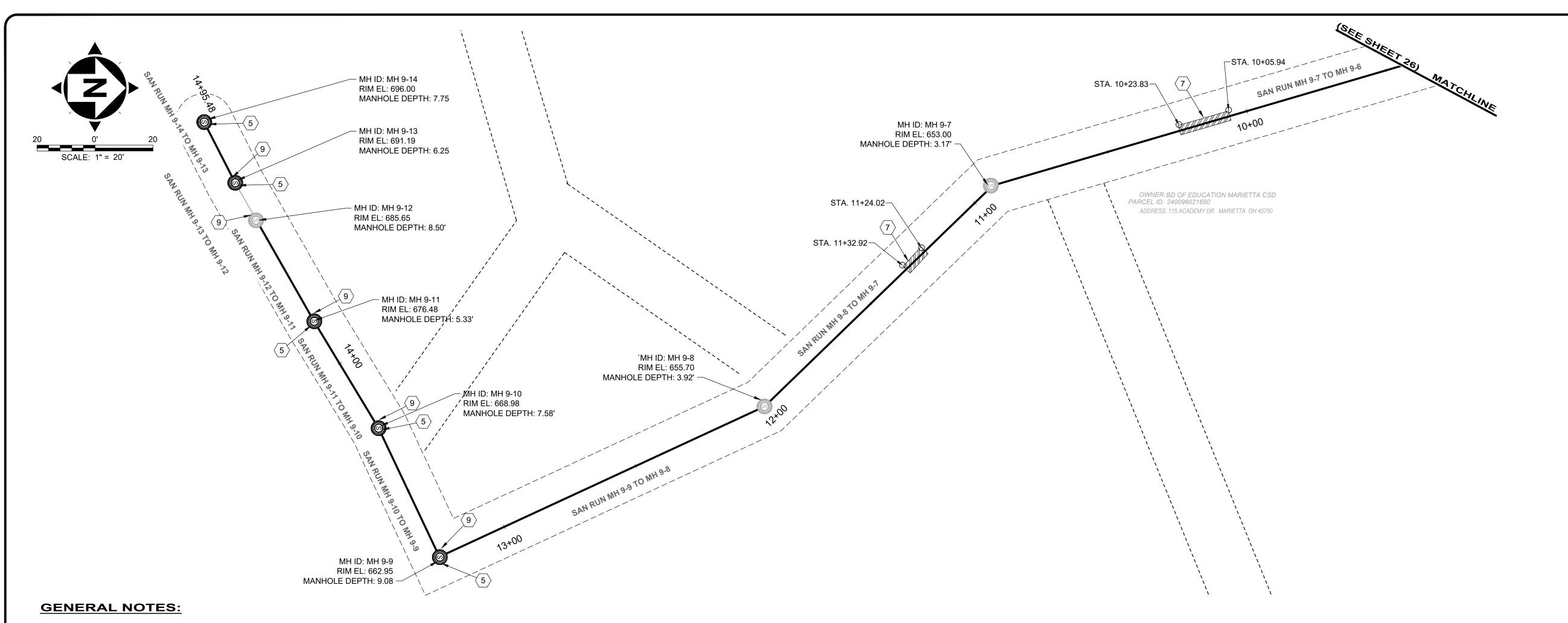
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DATE:	5/23	3/2025	
DESIGNEI	D BY:	ТЈМ	
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CHECKED BY: CPR

CIVIL - 10 SERIES

231342 DRAWING NAME C-17

PROJECT NO:



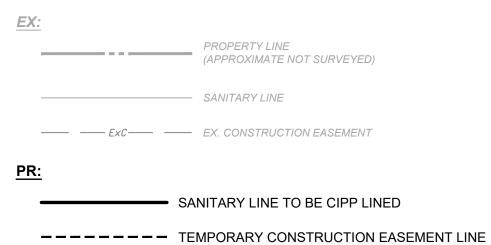
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SANITARY IMPROVEMENTS CODED NOTES:

- 1 NOT USED
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, 48" I.D., AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-71)
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- (7) POINT REPAIR, AS PER PLAN
- 8 NOT USED
- $\langle 9 \rangle$ INSTALL INTERNAL DROP STRUCTURE, PER DETAIL

		DS		us					AVERAGE	REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-7 TO 9-6	MH 9-6	8+50	MH 9-7	10+98	248'	8"	VCP	0	3.0'	YES	YES	248'	4	0	
MH 9-8 TO 9-7	MH 9-7	10+98	MH 9-8	12+05	107'	8"	VCP	0	3.5'	YES	YES	107'	4	0	
MH 9-9 TO 9-8	MH 9-8	12+05	MH 9-9	13+30	125'	8"	VCP	0	5.5'	NO	YES	125'	4	0	
MH 9-10 TO 9-9	MH 9-9	13+30	MH 9-10	13+73	43'	8"	VCP	0	8.0'	NO	YES	43'	4	0	
MH 9-11 TO 9-10	MH 9-10	13+73	MH 9-11	14+22	49'	8"	VCP	0	6.5'	NO	YES	49'	4	0	
MH 9-12 TO 9-11	MH 9-11	14+22	MH 9-12	14+63	41'	8"	VCP	0	7.0'	NO	YES	41'	4	0	
MH 9-14 TO 9-13	MH 9-13	14+78	MH 9-14	15+00	22'	8"	VCP	0	7.0'	NO	YES	22'	4	0	

SITE LINE LEGEND:



TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE

REPAIRED OR REPLACED AS

NOTED IN PLANS - 48"

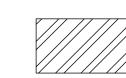
© EXISTING SANITARY MANHOLE - 48"

PROJECT NO:

231342

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GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000

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DATE

COLEGATE SEWER REHABILITATION PROJECT

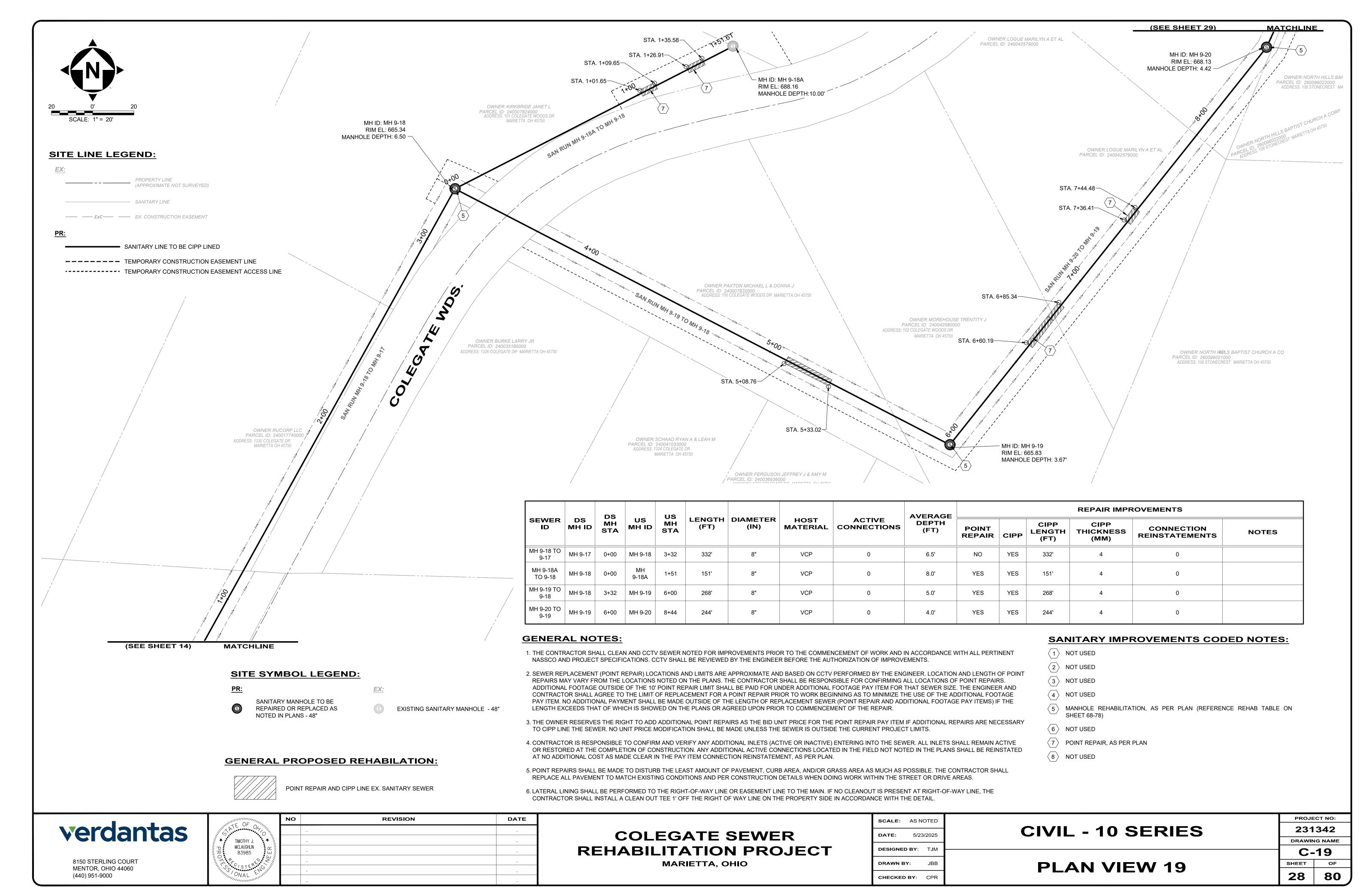
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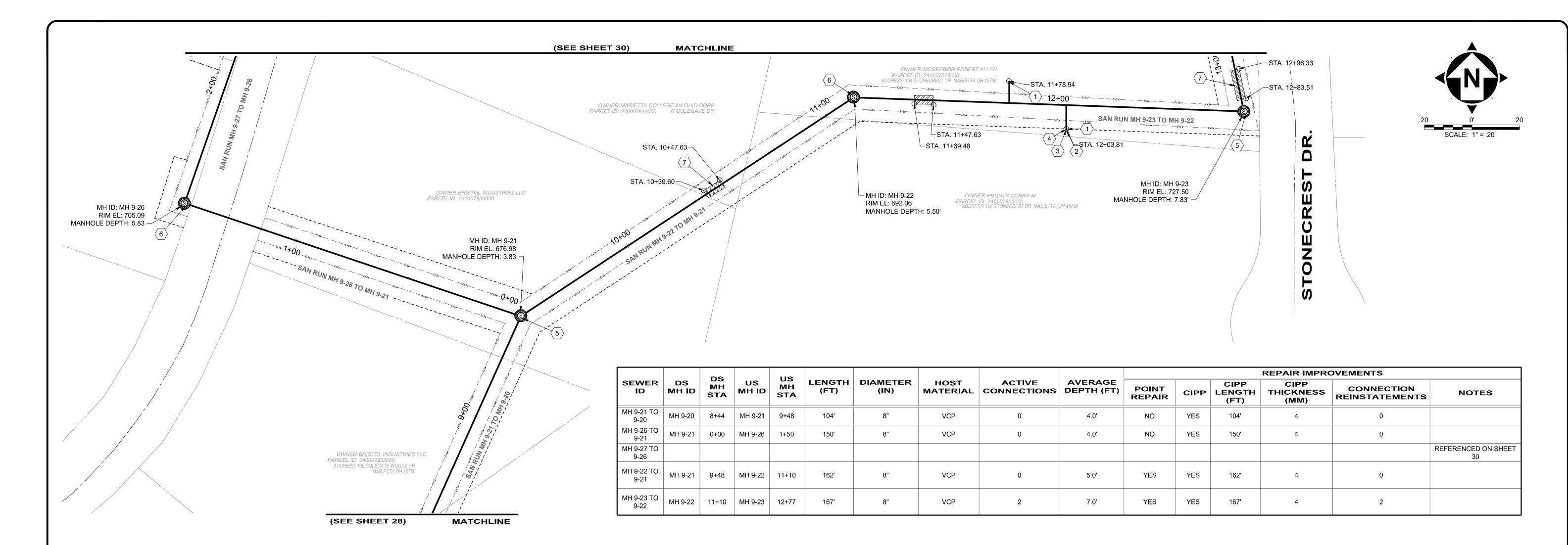
SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

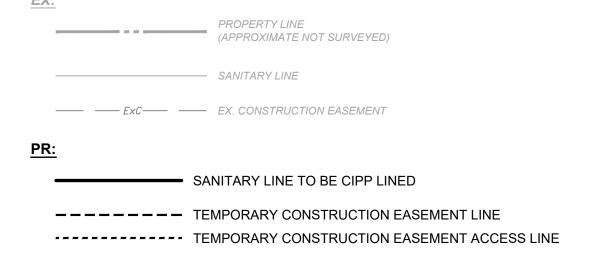
CHECKED BY: CPR

CIVIL - 10 SERIES

DRAWING NAME C-18 SHEET **PLAN VIEW 18 27**







SITE SYMBOL LEGEND:

PR:

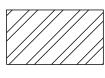
SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

NOTED IN PLANS - 48"

EX:

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- $\overline{\langle 7 \rangle}$ POINT REPAIR, AS PER PLAN
- 8 NOT USED

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



NO	REVISION	DATE
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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	3/2025		
DESIGNEI	TJM		
DRAWN B	SY:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 20

231342

DRAWING NAME

C-20

SHEET OF

29 80

		De		116							REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-27 TO 9-26	MH 9-26	1+50	MH 9-27	3+05	155'	8"	VCP	1	7.0'	NO	YES	155'	4	1		
MH 9-28 TO 9-27	MH 9-27	3+05	MH 9-28	4+61	156'	8"	VCP	2	8.0'	YES	YES	156'	4	2		
MH 9-24 TO 9-23	MH 9-23	12+79	MH 9-24	15+13	234'	8"	VCP	3	8.5'	YES	YES	234'	4	3		

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

REVISION

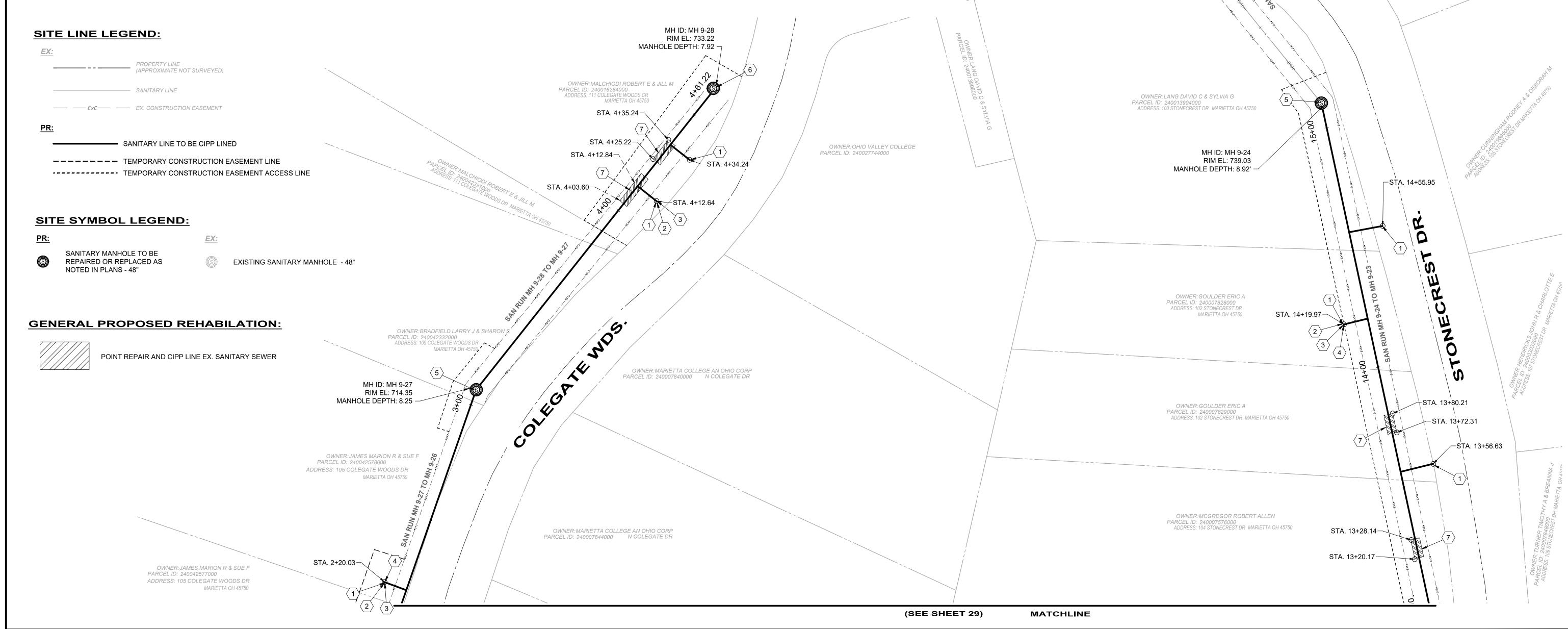
DATE

NO

TIMOTHY J.

MCLAUGHLIN

83985



COLEGATE SEWER

REHABILITATION PROJECT

MARIETTA, OHIO

SANITARY IMPROVEMENTS CODED NOTES:

(5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON

r----/

- MH ID: MH 9-25

RIM EL: 744.65

MANHOLE DEPTH: 5.92

OWNER: HALL MERLE W & ESTHER R

CIVIL - 10 SERIES

PLAN VIEW 21

SCALE: 1" = 20'

PROJECT NO:

231342

DRAWING NAME

C-21

80

SHEET

30

1 CONNECTION REINSTATEMENT, AS PER PLAN

6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN

4 6-INCH CLEAN OUT, AS PER PLAN

POINT REPAIR, AS PER PLAN

OWNER: MARTIN DAVID L

SCALE: AS NOTED

DESIGNED BY: TJM

5/23/2025

DATE:

DRAWN BY:

CHECKED BY:

8 NOT USED

(2) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN

(3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN

verdantas

8150 STERLING COURT

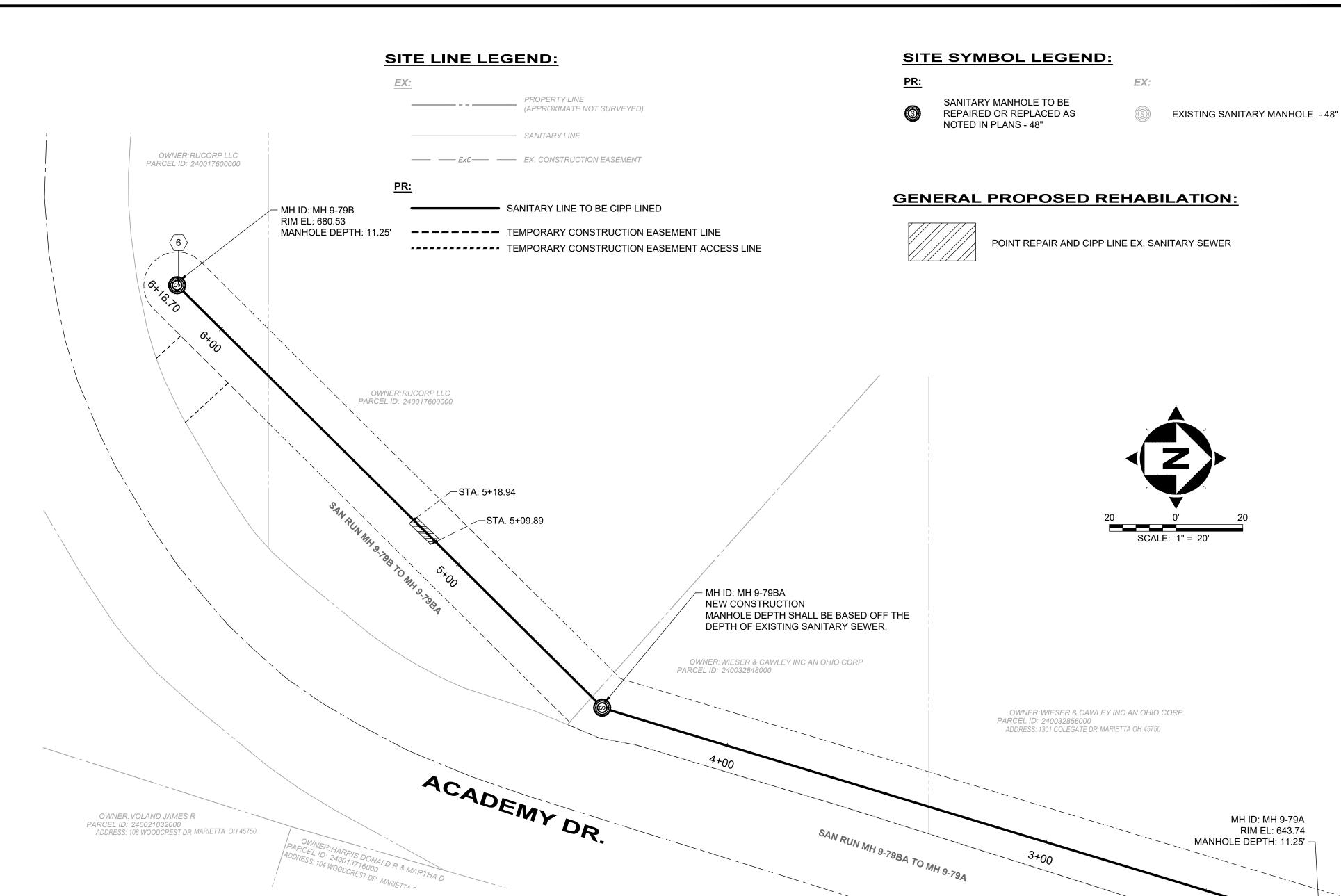
MENTOR, OHIO 44060

(440) 951-9000

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SANITARY IMPROVEMENTS CODED NOTES:

- 1 NOT USED
- 2 NOT USED
- 3 NOT USED
- $\langle 4 \rangle$ NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- (6) NOT USED
- 7 POINT REPAIR, AS PER PLAN
- (8) NOT USED



		DS		us					AVERAGE		REPAIR IMPROVEMENTS				
SEWER DS MH ID ID		MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-79BA TO 9-79A	9-79A	2+20	9-79BA	4+40	220'	8"	VCP	0	11.3'	NO	YES	220'	4	0	
9-79B TO 9-79BA	9-79BA	4+40	9-79B	6+18	178'	8"	VCP	0	11.3'	YES	YES	178'	4	0	

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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



	NO	REVISION	DATE
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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	BY:	TJM	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 22

OWNER: LIMEGROVER ERIC J & ANGIE M

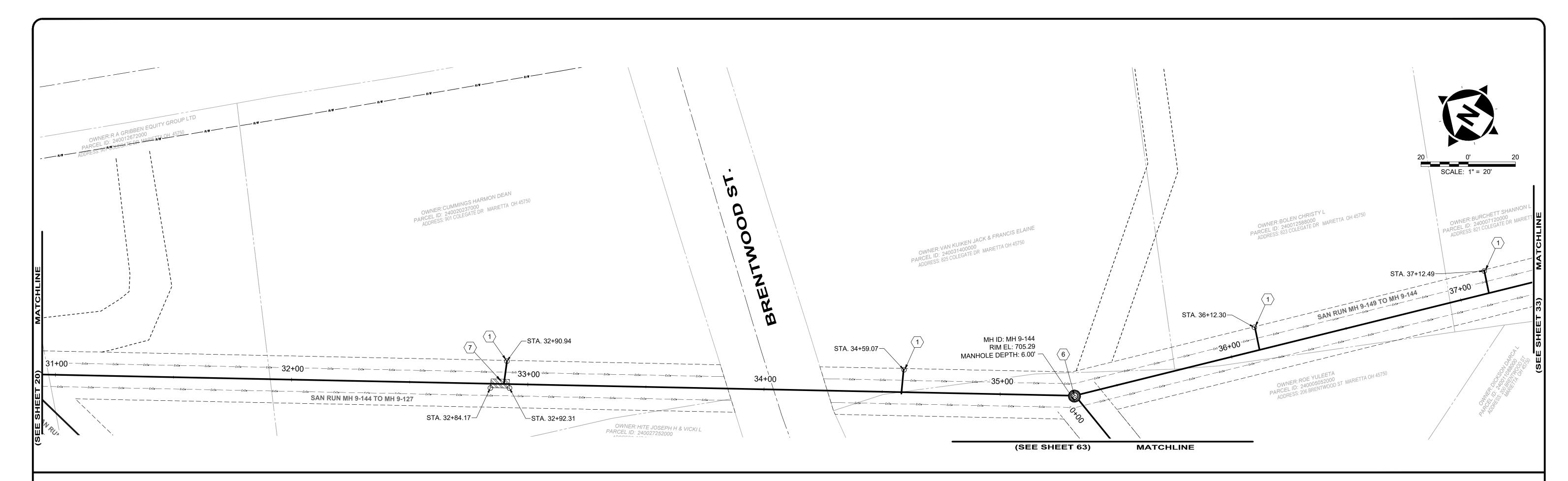
PARCEL ID: 240005820000

PROJECT NO: 231342 DRAWING NAME **C-22** SHEET 31 80

MH ID: MH 9-79A

MANHOLE DEPTH: 11.25' -

RIM EL: 643.74



	SEWED DS US LENGTH DIAMETER LIGHT ACTIVE AVERAGE					REPAIR IMPROVEMENTS									
SEWER ID	DS MH ID	MH STA	US MH ID	МШ	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	PTH POINT CIPP LENGTH THIC		CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-144 to 9-127	MH 9-127	30+83	MH 9-144	35+33	450'	8"	VCP	2	8.5'	YES	YES	450'	4	2	
MH 9-149 TO 9-144	MH 9-144	35+33	MH 9-149	38+07	274'	8"	VCP	2	5.0'	NO	YES	274'	4	2	
MH 9-145 TO 9-144															REFERENCED ON SHEET 63

PROPERTY LINE
(APPROXIMATE NOT SURVEYED) - SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT SANITARY LINE TO BE CIPP LINED ---- TEMPORARY CONSTRUCTION EASEMENT LINE

----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

NOTED IN PLANS - 48"

EX:

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

GENERAL NOTES:

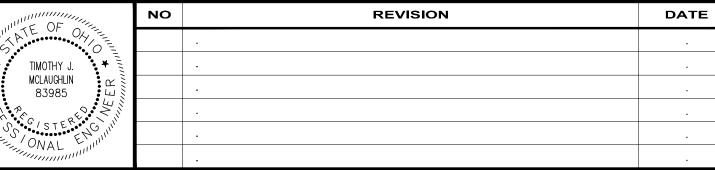
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- $\langle 5 \rangle$ NOT USED
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- $\overline{7}$ POINT REPAIR, AS PER PLAN
- 8 NOT USED

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8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

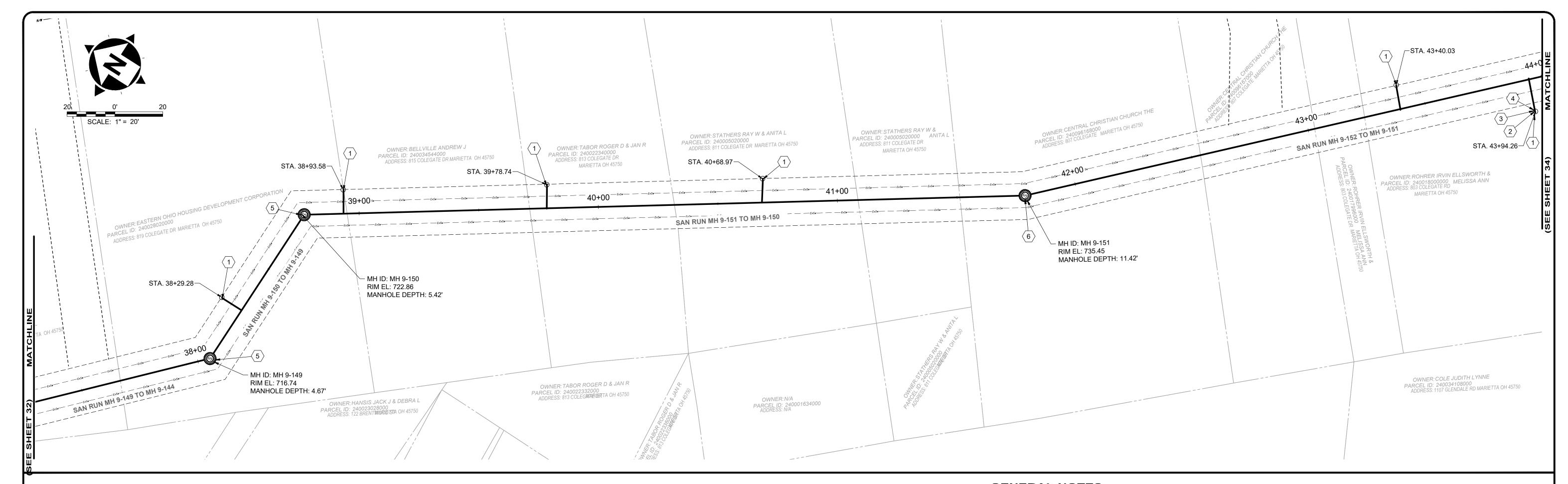
SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	TJM		
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

231342 DRAWING NAME **C-23**

PLAN VIEW 23



SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	REPAIR IMPROVEMENTS					
										POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-149 TO 9-144															REFERENCED ON SHEET 32
MH 9-150 TO 9-149	MH 9-149	38+07	MH 9-150	38+74	67'	8"	VCP	1	5.0'	NO	YES	67'	4	1	
MH 9-151 TO 9-150	MH 9-150	38+74	MH 9-151	41+76	302'	8"	VCP	3	8.0'	YES	YES	302'	4	3	
MH 9-152 TO 9-151	MH 9-151	41+76	MH 9-152	44+82	306'	8"	VCP	3	8.0'	NO	YES	306'	4	3	

EX: (APPROXIMATE NOT SURVEYED)

SANITARY LINE

SANITARY LINE TO BE CIPP LINED

---- ExC---- EX. CONSTRUCTION EASEMENT

---- TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"



GENERAL PROPOSED REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

GENERAL NOTES:

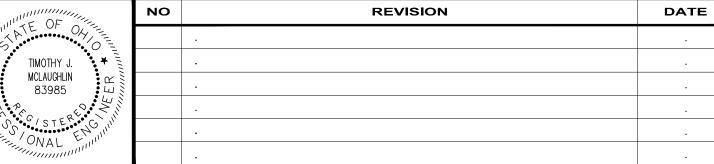
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SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- (2) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- $\langle 7 \rangle$ NOT USED
- 8 NOT USED

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED	
DATE: 5/23/2025	
DESIGNED BY: TJM	
DRAWN BY: JBB	

CHECKED BY: CPR

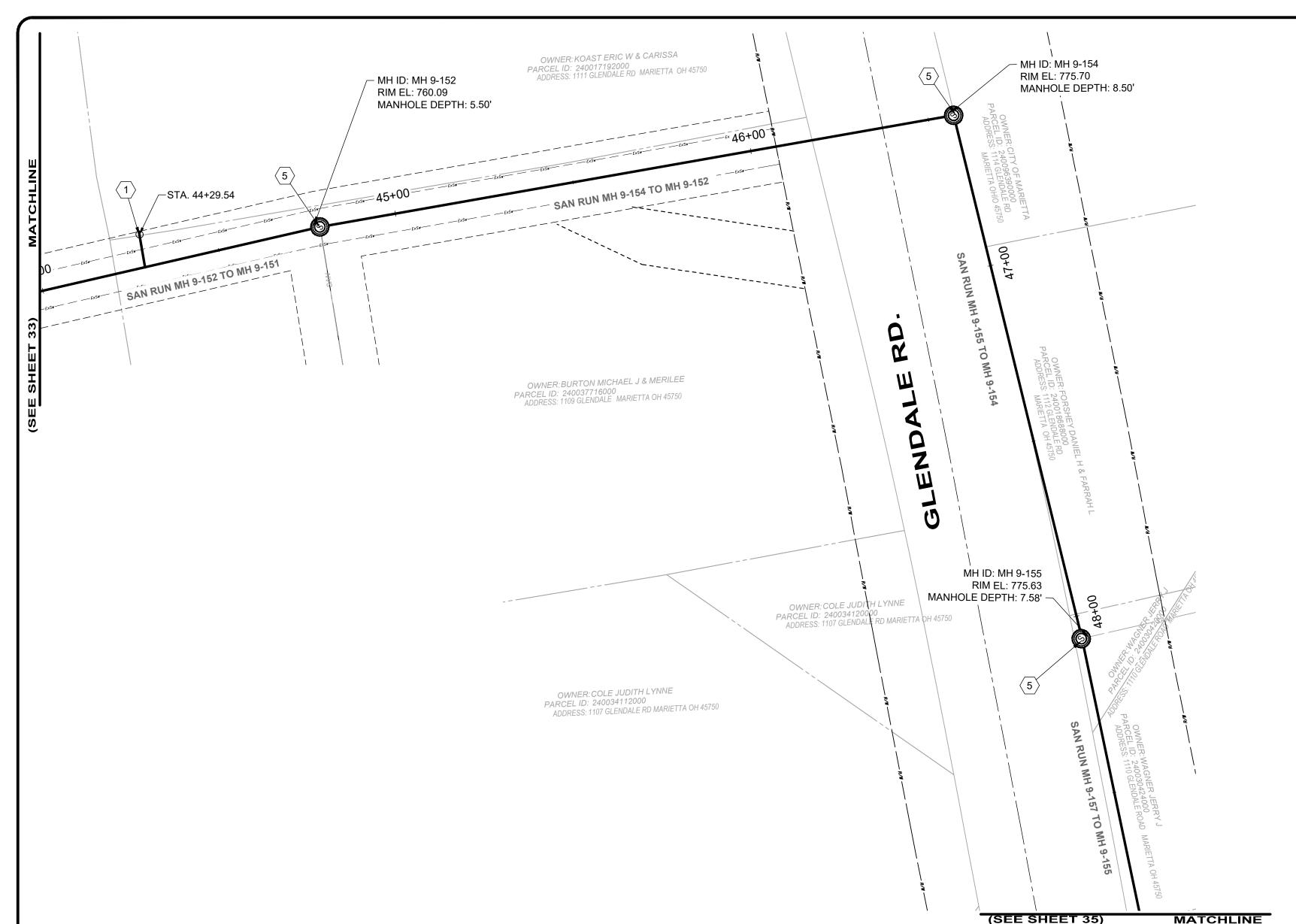
CIVIL - 10 SERIES

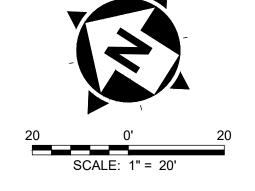
DRAWING NAME C-24 SHEET 33

PROJECT NO:

231342

80





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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- $\langle 2 \rangle$ NOT USED
- (3) NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 NOT USED
- $\langle 8 \rangle$ NOT USED

NOTES

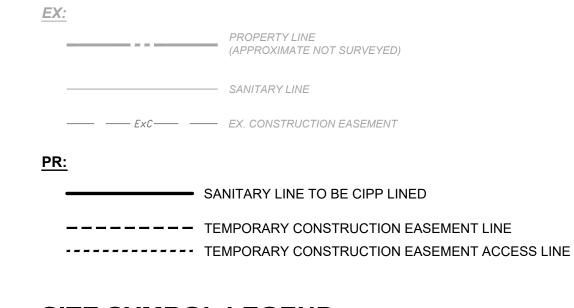
REFERENCED ON

SHEET 33

REFERENCED ON

SHEET 35

SITE LINE LEGEND:



SITE SYMBOL LEGEND:

GENERAL PROPOSED REHABILATION:



verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000

SEWER

MH 9-152

TO 9-151

MH 9-154

TO 9-152

MH 9-155

TO 9-154

MH 9-157

TO 9-155

MH ID

9-152

STA

MH ID

9-154

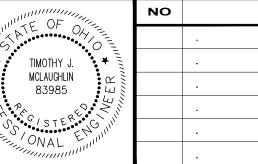
9-155

46+53

48+03

171'

150'



LENGTH DIAMETER

(IN)

HOST

VCP

VCP

 NO
 REVISION
 DATE

 .
 .
 .

 .
 .
 .

 .
 .
 .

 .
 .
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 .
 .
 .

AVERAGE

DEPTH

(FT)

7.0'

8.0'

ACTIVE

MATERIAL CONNECTIONS

COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

CONNECTION

REINSTATEMENTS

REPAIR IMPROVEMENTS

CIPP

LENGTH THICKNESS

CIPP

YES

YES

171'

150'

REPAIR

NO

NO

SCALE:	AS N	AS NOTED					
DATE:	DATE : 5/23/2025						
DESIGNE	DESIGNED BY: TJM						
DRAWN	DRAWN BY: JB						

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 25

231342

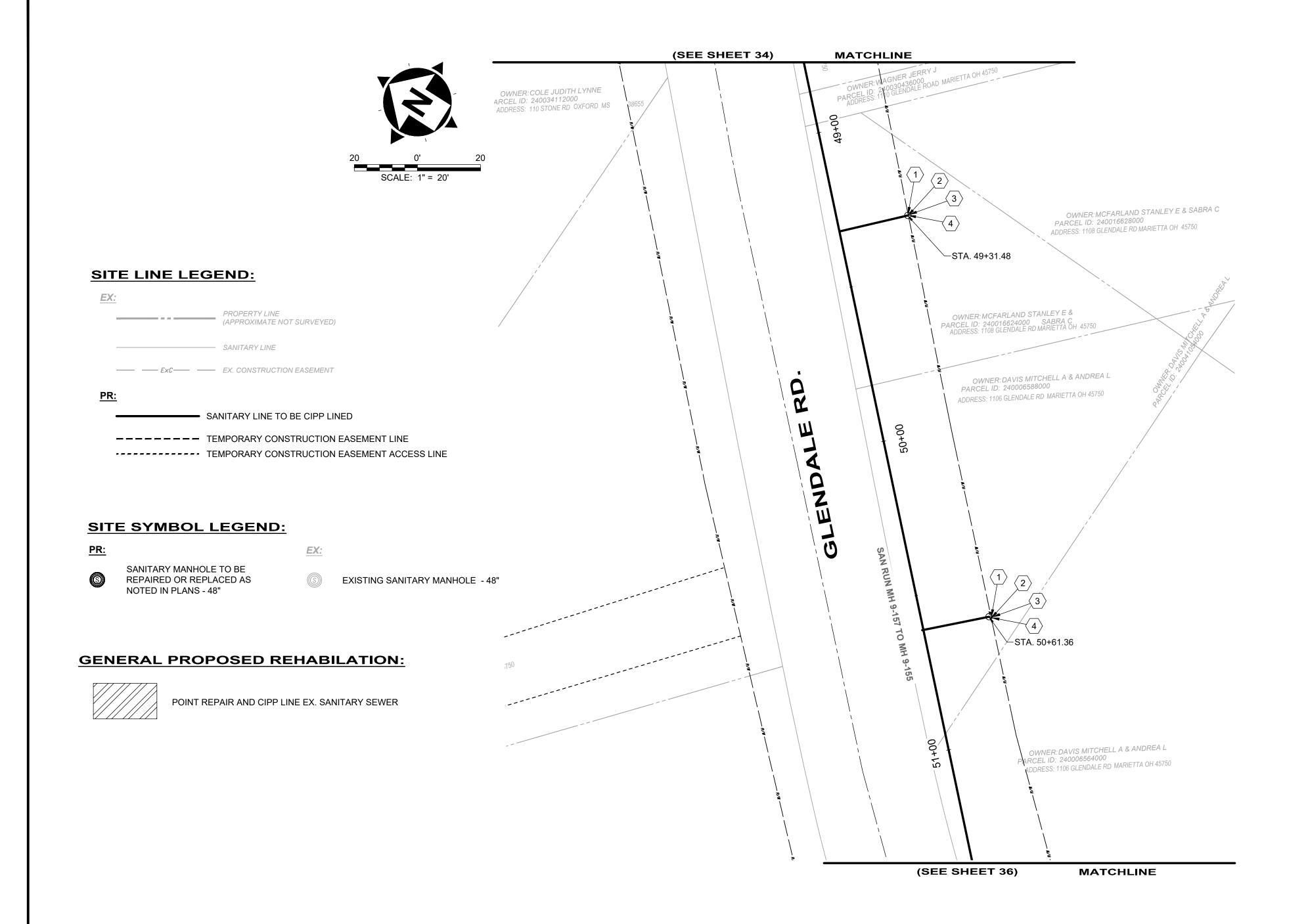
DRAWING NAME

C-25

SHEET OF

80

34



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 1 CONNECTION REINSTATEMENT, AS PER PLAN
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- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- $\langle 5 \rangle$ NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED

SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	REPAIR IMPROVEMENTS					
										POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-157 TO 9-155	MH 9-155	48+03	MH 9-157	52+00	397'	8"	VCP	2	10.0'	NO	YES	397'	4	2	

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

MCLAUGHLIN

83985

MCLAUGHLIN

83985

MCLAUGHLIN

83985

COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 26

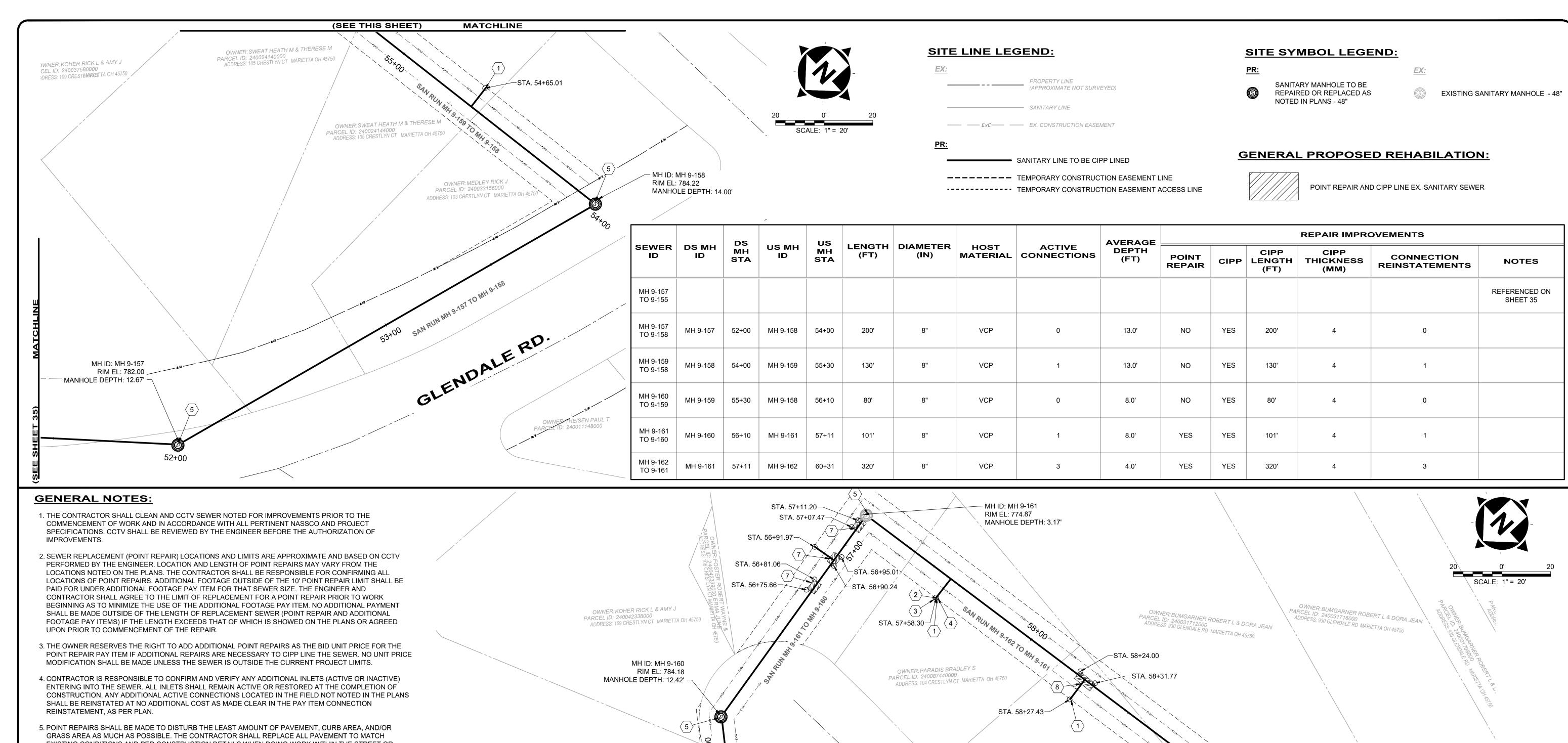
DRAWING NAME

C-26

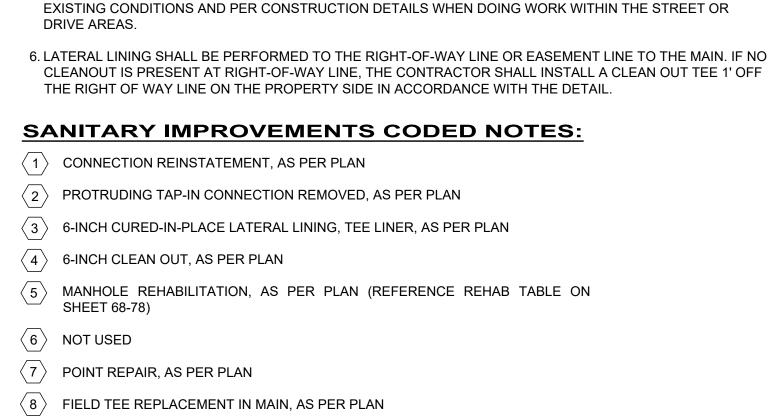
SHEET OF

80

35



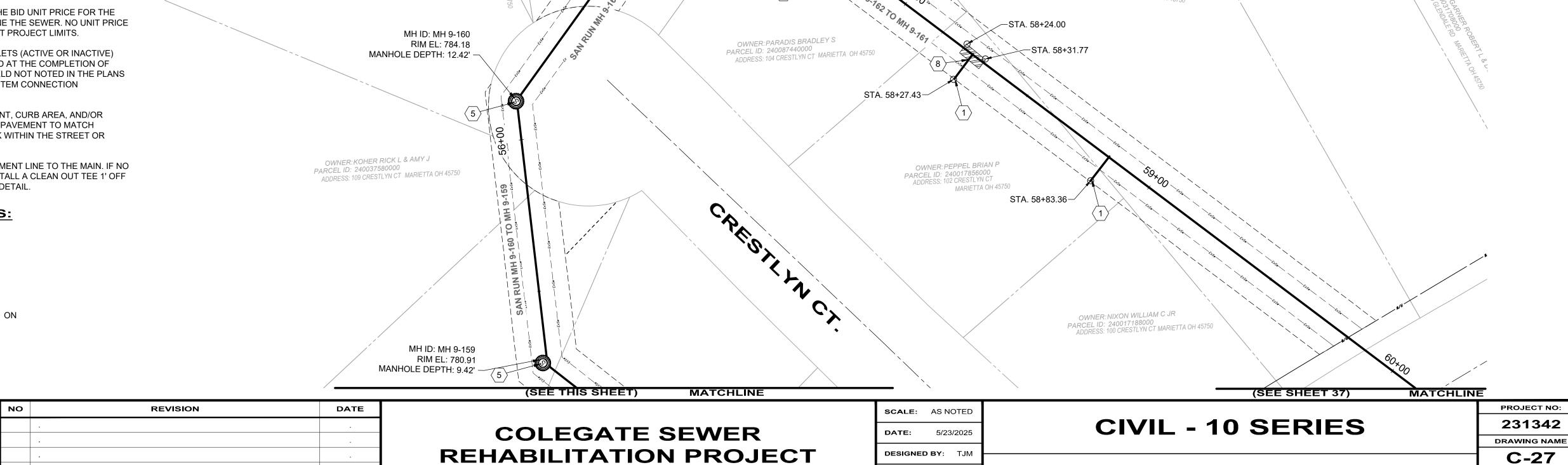
MARIETTA, OHIO



TIMOTHY J.

MCLAUGHLIN

83985



DRAWN BY:

CHECKED BY: CPR

SHEET

36

80

PLAN VIEW 27

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

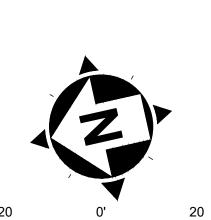
(440) 951-9000

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- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- $\langle 8 \rangle$ NOT USED



		De		us					AVERAGE			RI	EPAIR IMPROV	/EMENTS	
SEWER ID	DS MH ID	DS MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-162 TO 9-161															REFERENCED ON SHEET 36
MH 9-163 TO 9-162	MH 9-162	60+31	MH 9-163	60+61	30'	8"	VCP	0	4.0'	NO	YES	30'	4	0	
MH 9-165 TO 9-164	MH 9-164	64+23	MH 9-165	65+90	167'	8"	VCP	0	5.0'	YES	YES	167'	4	0	
MH 9-166 TO 9-165	MH 9-165	65+90	M 9-166	69+37	347'	8"	VCP	1	6.5'	NO	YES	347'	4	1	
MH 9-167 TO 9-166															REFERENCED ON SHEET 38

(SEE SHEET 36)

MH ID: MH 9-162

RIM EL: 796.16

MANHOLE DEPTH: 4.44'

SAN RUN MH 9-162 TO MH 9-161

MATCHLINE

- MH ID: MH 9-163

– RIM EL: 795.65

ADDRESS: 917 GLENDALE RD MARIETTA OH 45750

GLENDALE RD.

MH ID: MH 9-164 RIM EL: 805.41 MANHOLE DEPTH: 3.42' -**SITE LINE LEGEND:** PROPERTY LINE (APPROXIMATE NOT SURVEYED) SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT SANITARY LINE TO BE CIPP LINED ---- TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE **SITE SYMBOL LEGEND:** -STA. 64+84.72 SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS EXISTING SANITARY MANHOLE - 48" -STA. 64+92.68 NOTED IN PLANS - 48" **GENERAL PROPOSED REHABILATION:**

CIVIL - 10 SERIES

PLAN VIEW 28

231342

DRAWING NAME

C-28

80

SHEET

37

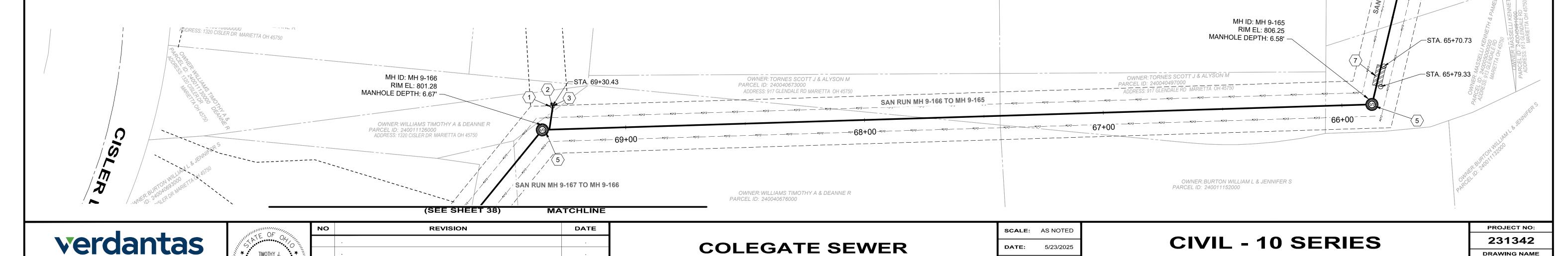
POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY:

CHECKED BY:



COLEGATE SEWER

REHABILITATION PROJECT

MARIETTA, OHIO

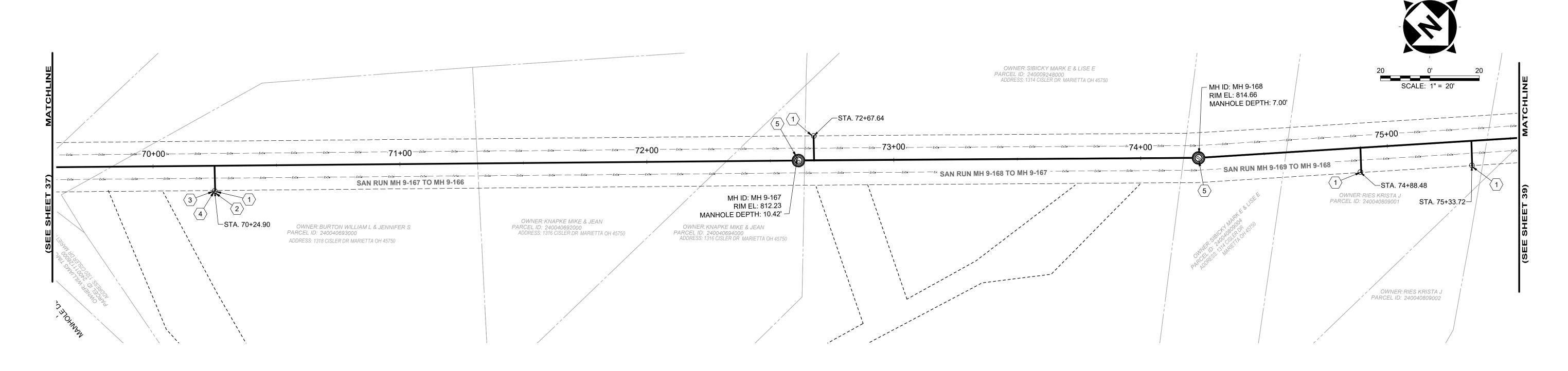
8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

MCLAUGHLIN



		DC		116					AVERAGE				OVEMENTS		
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH POI	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-167 TO 9-166	MH 9-166	69+37	MH 9-167	72+61	324'	12"	VCP	1	8.5'	NO	YES	324'	6	1	
MH 9-168 TO 9-167	MH 9-167	72+61	MH 9-168	74+23	162'	12"	VCP	1	8.5'	NO	YES	162'	6	1	
MH 9-169 TO 9-168															REFERENCED ON SHEET 39

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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

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- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
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- (5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED

SITE LINE LEGEND:

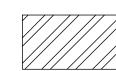
PROPERTY LINE (APPROXIMATE NOT SURVEYED) SANITARY LINE ---- Exc---- EX. CONSTRUCTION EASEMENT SANITARY LINE TO BE CIPP LINED ---- TEMPORARY CONSTRUCTION EASEMENT LINE TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

(S) EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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TIMOTHY J.		•	
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CHAL III		•	-

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

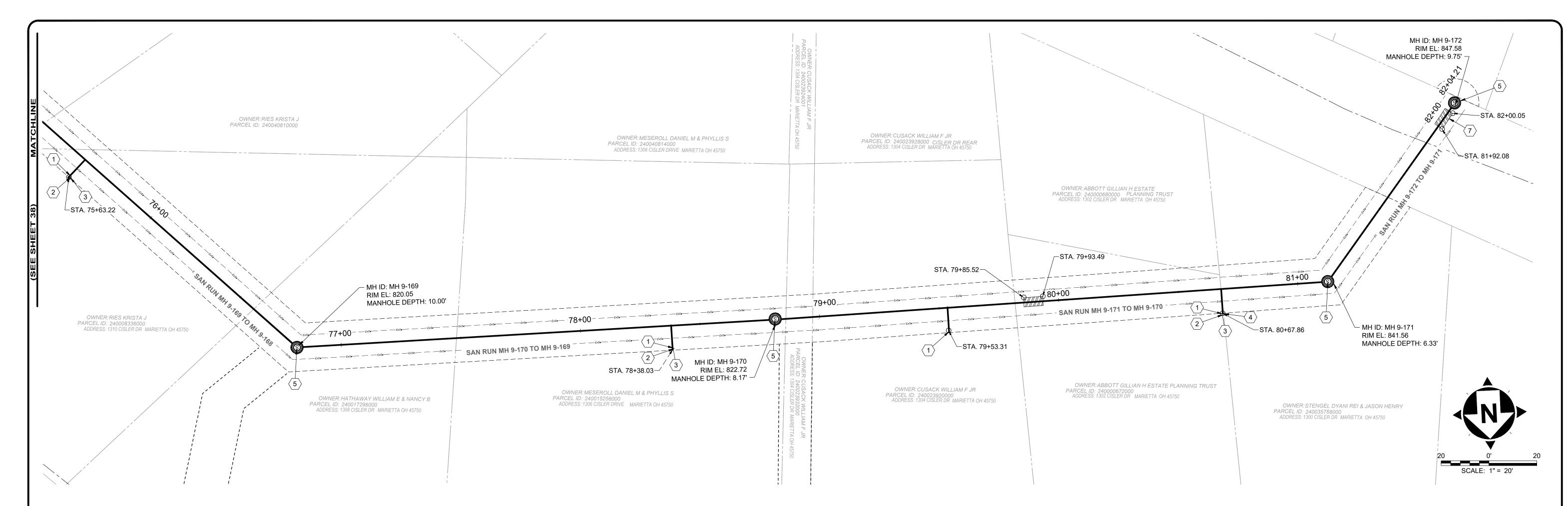
SHEET **PLAN VIEW 29** 38

PROJECT NO:

231342

DRAWING NAME

C-29



		De		II.C		AVERAGE -						REPAIR IMPR	OVEMENTS		
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	DEPTH POINT	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-169 TO 9-168	MH 9-168	74+23	MH 9-169	76+80	257'	8"	VCP	3	8.5'	NO	YES	257'	4	3	
MH 9-170 TO 9-169	MH 9-169	76+80	MH 9-170	79+00	220'	8"	VCP	1	9.0'	NO	YES	220'	4	1	
MH 9-171 TO 9-170	MH 9-170	79+00	MH 9-171	81+12	212'	8"	VCP	2	7.0'	YES	YES	212'	4	2	
MH 9-172 TO 9-171	MH 9-171	81+12	MH 9-172	82+04	92'	8"	VCP	0	8.0'	YES	YES	92'	4	0	

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- 4 6-INCH CLEAN OUT, AS PER PLAN
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- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED)

SANITARY LINE
EXC EX. CONSTRUCTION EASEMENT

PR:

SANITARY LINE TO BE CIPP LINED

----- TEMPORARY CONSTRUCTION EASEMENT LINE

----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

NOTED IN PLANS - 48"

PR:

SANITARY MANHOLE TO BE
REPAIRED OR REPLACED AS

EX:

EX:

EX:

EX:

SANITARY MANHOLE TO BE
REPAIRED OR REPLACED AS

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



NO	REVISION	DATE
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		•
		•

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 30

231342

DRAWING NAME

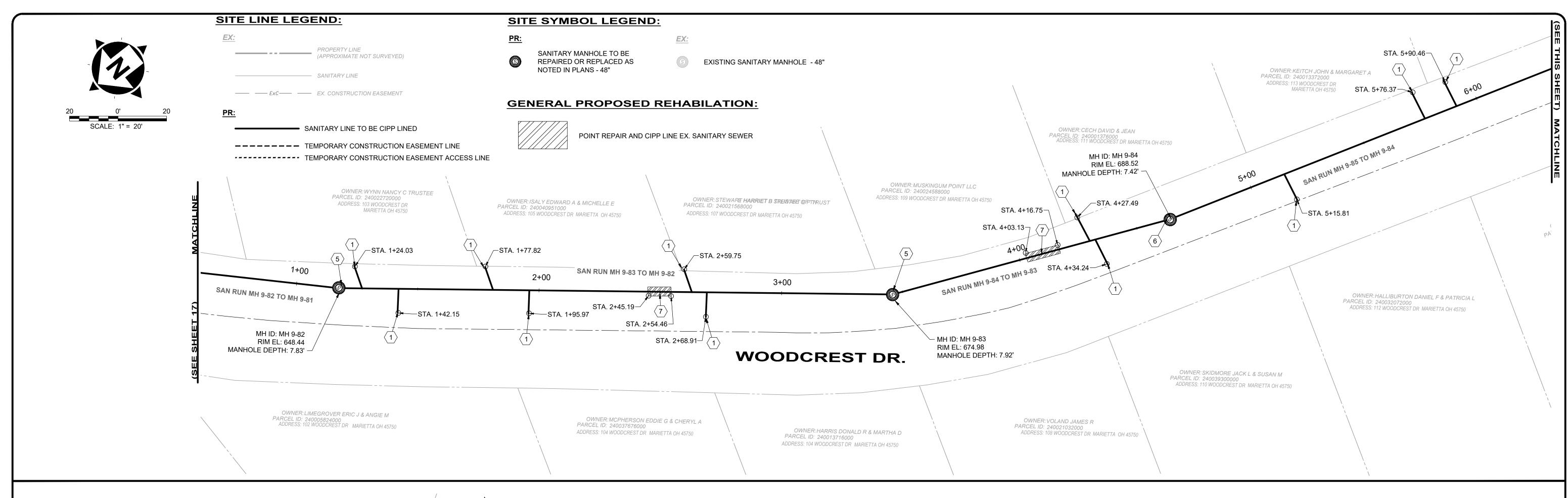
C-30

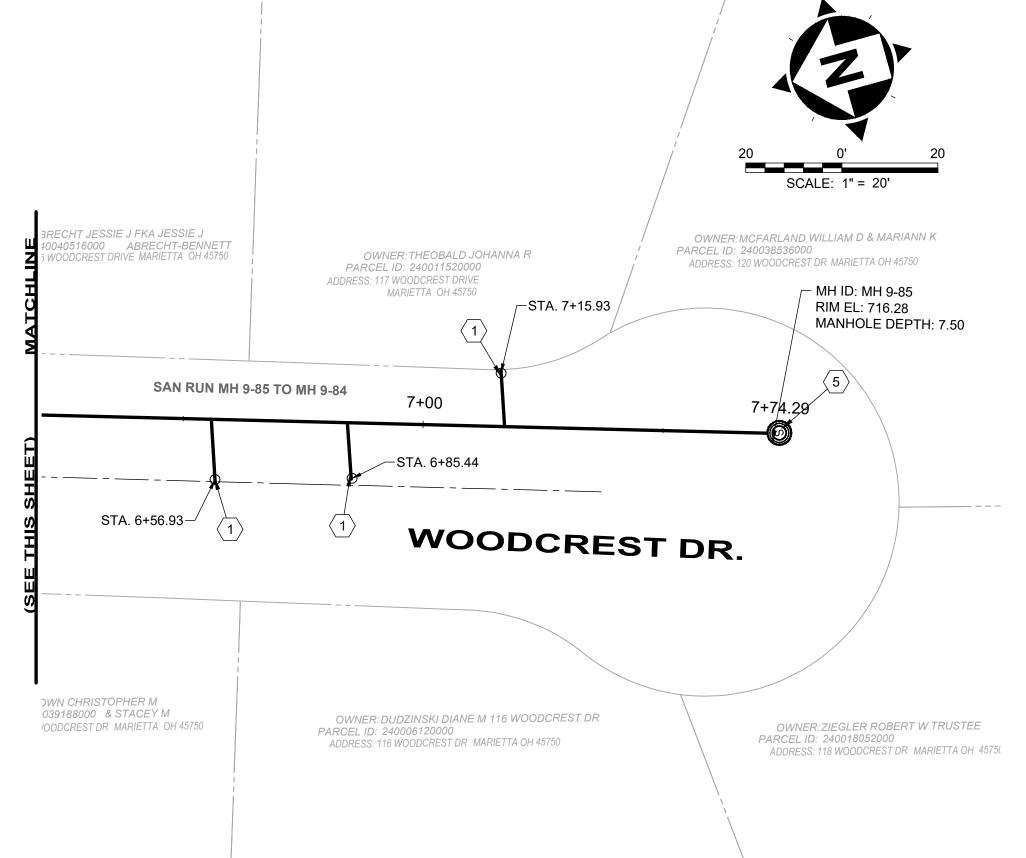
SHEET OF

80

39

PROJECT NO:





SEWER	DS MH	DS		us					AVERAGE	REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-82 TO 9-81	MH 9-81	0+00	MH 9-82	1+14	114'	8"	VCP	0	6.0'	NO	YES	114'	4	0	
MH 9-83 TO 9-82	MH 9-82	1+14	MH 9-83	3+45	231'	8"	VCP	6	7.8'	YES	YES	231'	4	6	
MH 9-83 TO 9-84	MH 9-83	3+45	MH 9-84	4+61	116'	8"	VCP	2	7.5'	YES	YES	116'	4	2	
MH 9-85 TO 9-84	MH 9-84	4+61	MH 9-85	7+74	313'	8"	VCP	6	7.5'	NO	YES	313'	4	6	

DATE

1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.

2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.

3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.

4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.

5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.

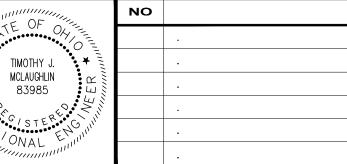
6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



REVISION

COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	/2025	
DESIGNEI	D BY:	ТЈМ	
DRAWN B	Υ:	JBB	
			1

CHECKED BY: CPR

CIVIL - 10 SERIES

231342

DRAWING NAME

C-31

SHEET OF

80

40

PROJECT NO:

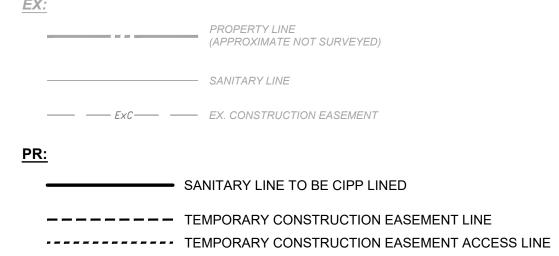
PLAN VIEW 31

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SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- $\langle 3 \rangle$ NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 NOT USED
- 8 NOT USE

SITE LINE LEGEND:



SITE SYMBOL LEGEND:	

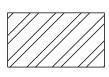
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SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ND-BRUCE JENNIFER S LIFE 116000 EST ET AL TRD MARIETTA OH 45750	TO THE WALL BY	TO MH 9-87
20 0' 20 SCALE: 1" = 20'	TEV A & VALERIE J. LANGE BOOK OF STATE	STA. 1+61.66	SAN RUN MH 9-88 SAN RUN MH 9-88 RIM EL: 657.99 MANHOLE DEPTH: 4.83'	SHEET
THE REPORT OF THE PARTY OF THE	STA. 2+37.80 2+00 89 TO MH 9.88		WANTOLL BLI TII. 4.00	SEE
2+88.81	JANET DR.	OWNER:BOON PARCEL ID: 24002 ADDRESS: 103 JAN	PARCEL ID: 240007760000 PARCEL ID: 240007760000 PARCEL ID: 240007760000	
2+00- MH ID: MH 9-89 RIM EL: 675.73 MANHOLE DEPTH: 3.	OWNER: MCGILTON KELLY D & JARI PARCEL ID: 240007764000 ADDRESS: 107 JANET RD MARIETTA OH 45	ED E		T OPMENT CO LIMITED LLC
				·O

		DS	US MH ID	US					AVERAGE			REPAIR IMPROVEMENTS			
	DS MH ID	MH STA		MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-89 TO 9-88	MH 9-88	1+10	MH 9-89	2+88	178'	8"	VCP	2	4.0'	NO	YES	178'	4	2	



8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE:	AS NOTED	
DATE:	5/23/2025	
DESIGNED		
DRAWN BY	r : JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

231342

DRAWING NAME

C-32

SHEET OF

41 80

SITE LINE LEGEND:

<u> </u>		
		PROPERTY LINE (APPROXIMATE NOT SURVEYED)
		SANITARY LINE
—— Ex	«C	EX. CONSTRUCTION EASEMENT
<u>PR:</u>		

PR:	
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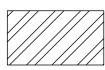
SANITARY LINE TO BE CIPP LINED

---- TEMPORARY CONSTRUCTION EASEMENT LINE TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"



GENERAL NOTES:

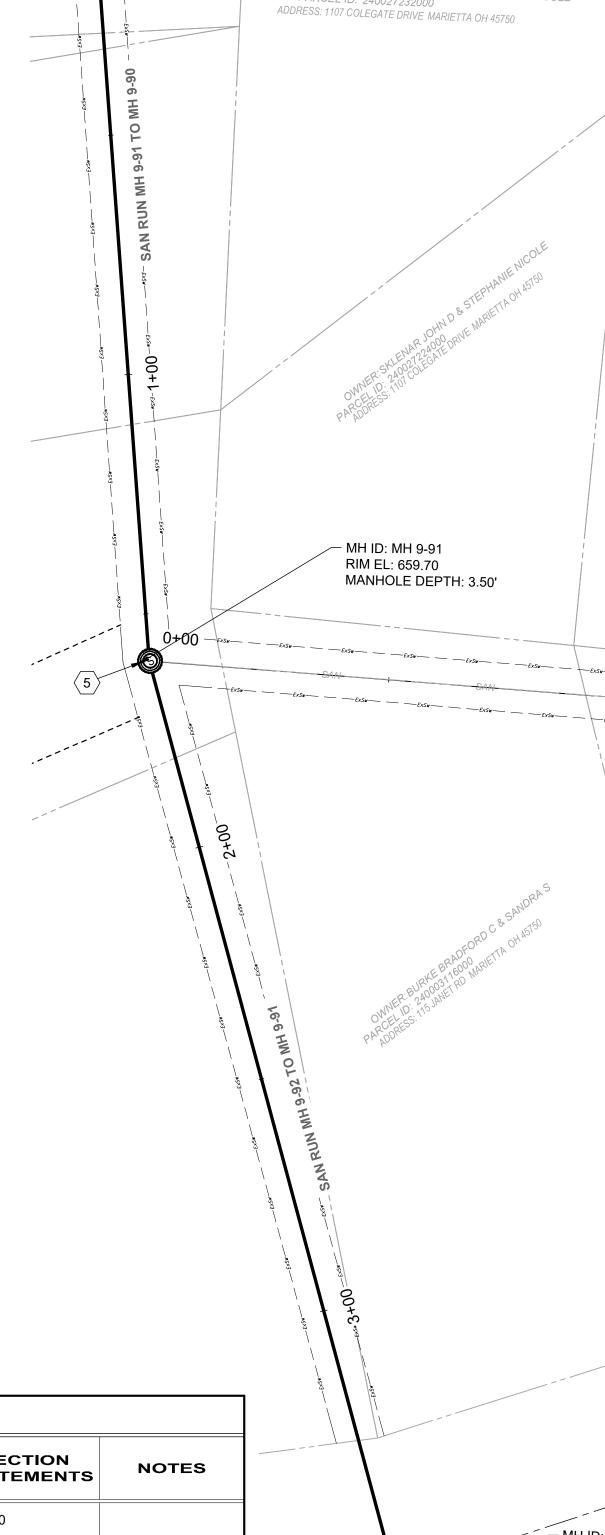
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SANITARY IMPROVEMENTS CODED NOTES:

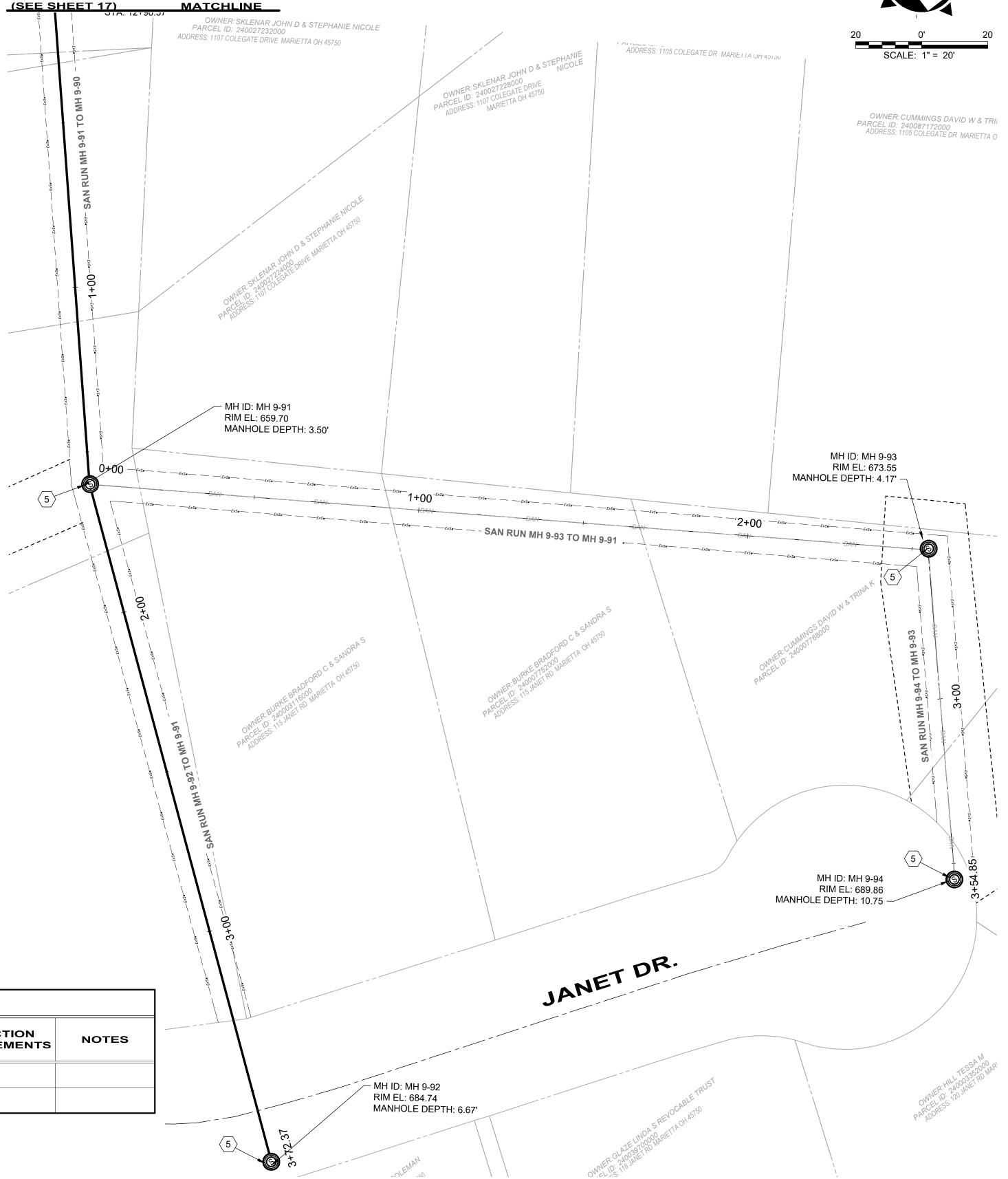
- \langle 1 \rangle CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, 48" I.D., AS PER PLAN (REFERENCE REHAB TABLE
- 6 NOT USED
- 7 NOT USED
- 8 NOT USED

GENERAL	PROPOSED	REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER



(SEE SHEET 17)



	SEWER ID	NHID V	DS	US MH ID								US					AVERAGE	REPAIR IMPROVEMENTS					
			MH STA		S MILL		H DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES							
	MH 9-91 TO 9-90	MH 9-90	0+00	MH 9-91	1+60	160'	8"	VCP	0	4.0'	NO	YES	160'	4	0								
	MH 9-92 TO 9-91	MH 9-91	1+60	MH 9-92	3+72	212'	8"	VCP	0	5.0'	NO	YES	212'	4	0								

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

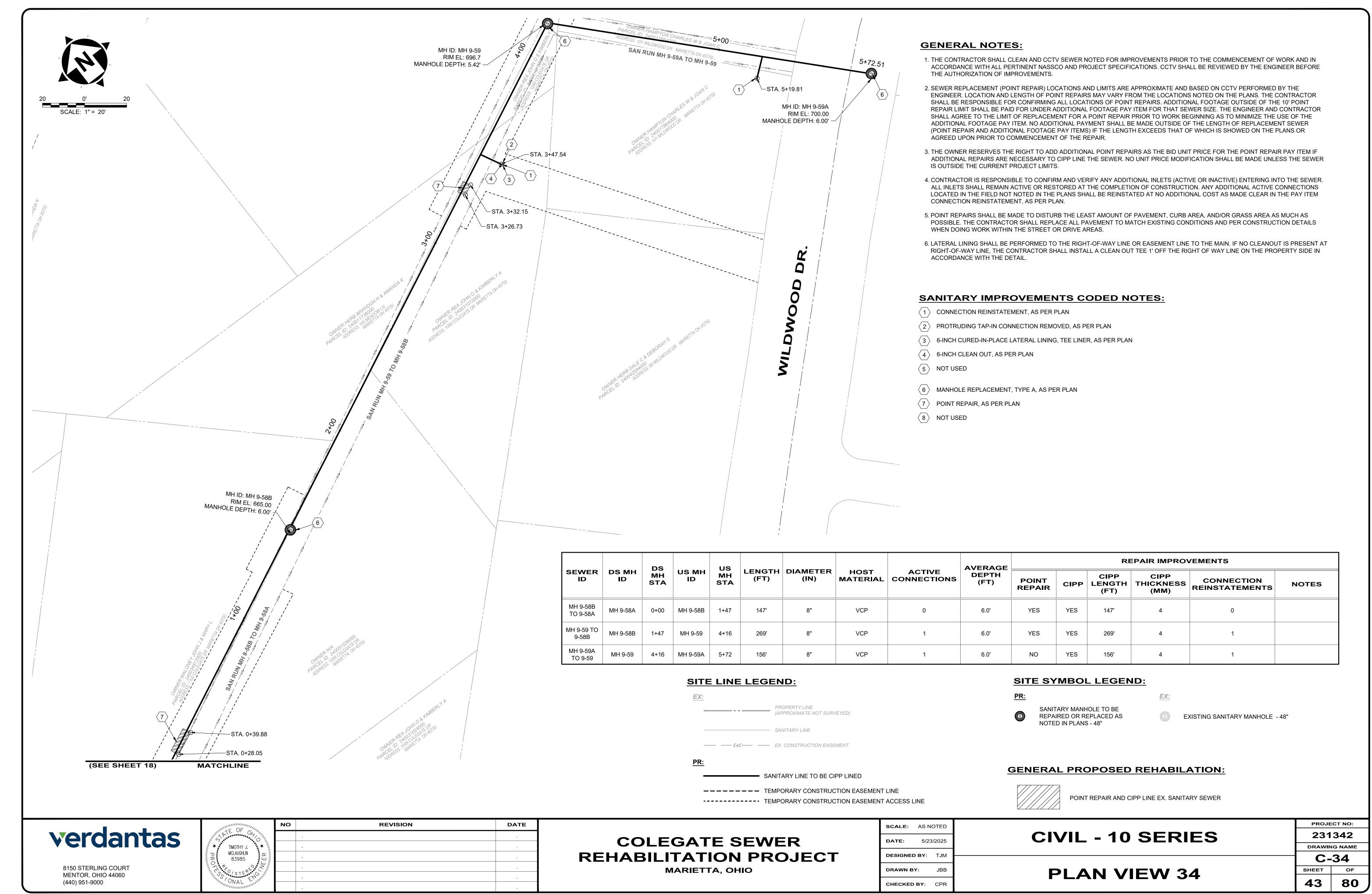
(440) 951-9000

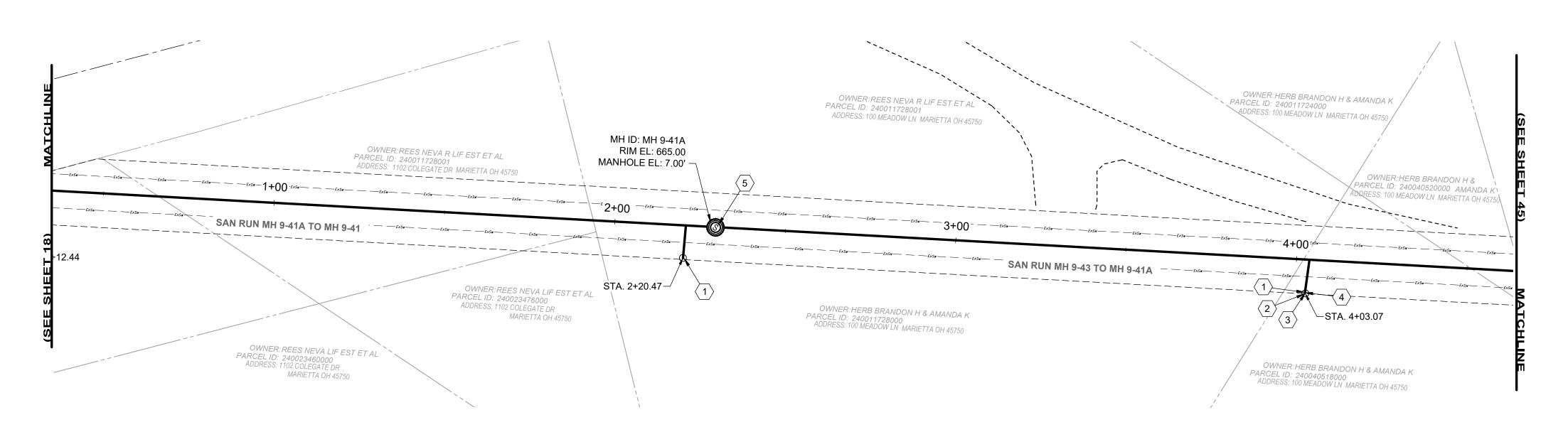


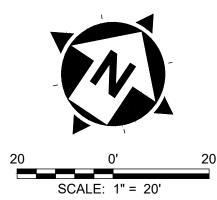
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TIMOTHY J.			
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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED		PROJECT NO:				
	CIVIL - 10 SERIES					
DATE: 5/23/2025			DRAWING NAMI			
DESIGNED BY: TJM		C-	33			
DRAWN BY: JBB	DI ANIMEM 22	SHEET	OF			
CHECKED BY: CPR	PLAN VIEW 33	42	80			







- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- $\overline{2}$ PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- $\langle 4 \rangle$ 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 NOT USED
- (8) NOT USED

SEWER ID		De		l le					AVERAGE			RE	PAIR IMPRO	/EMENTS	
	DS MH ID	DS MH STA	US MH ID	MH STA		d DIAMETER (IN)		ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-41A TO 9-41	MH 9-41	0+00	MH 9-41A	2+29	229'	8"	VCP	2	7.0'	NO	YES	229'	4	2	
MH 9-43 TO 9-41A	MH 9-41A	2+29	MH 9-43	4+75	246'	8"	VCP	1	7.0'	NO	YES	246'	4	1	
MH 9-60 TO 9-43															REFERENCED ON SHEET 45

SITE LINE LEGEND:



SANITARY LINE TO BE CIPP LINED

TEMPORARY CONSTRUCTION EASEMENT LINE
TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

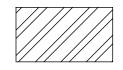
PR:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EVICTING CAN

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000

	NO	REVISION	DATE
THE OF OY ==			
TIMOTHY J.			
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83985 <u>J</u>			
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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	TJM	
DRAWN B	Υ:	JBB	

CHECKED BY: CPR

CIVIL -	10 SERIES	

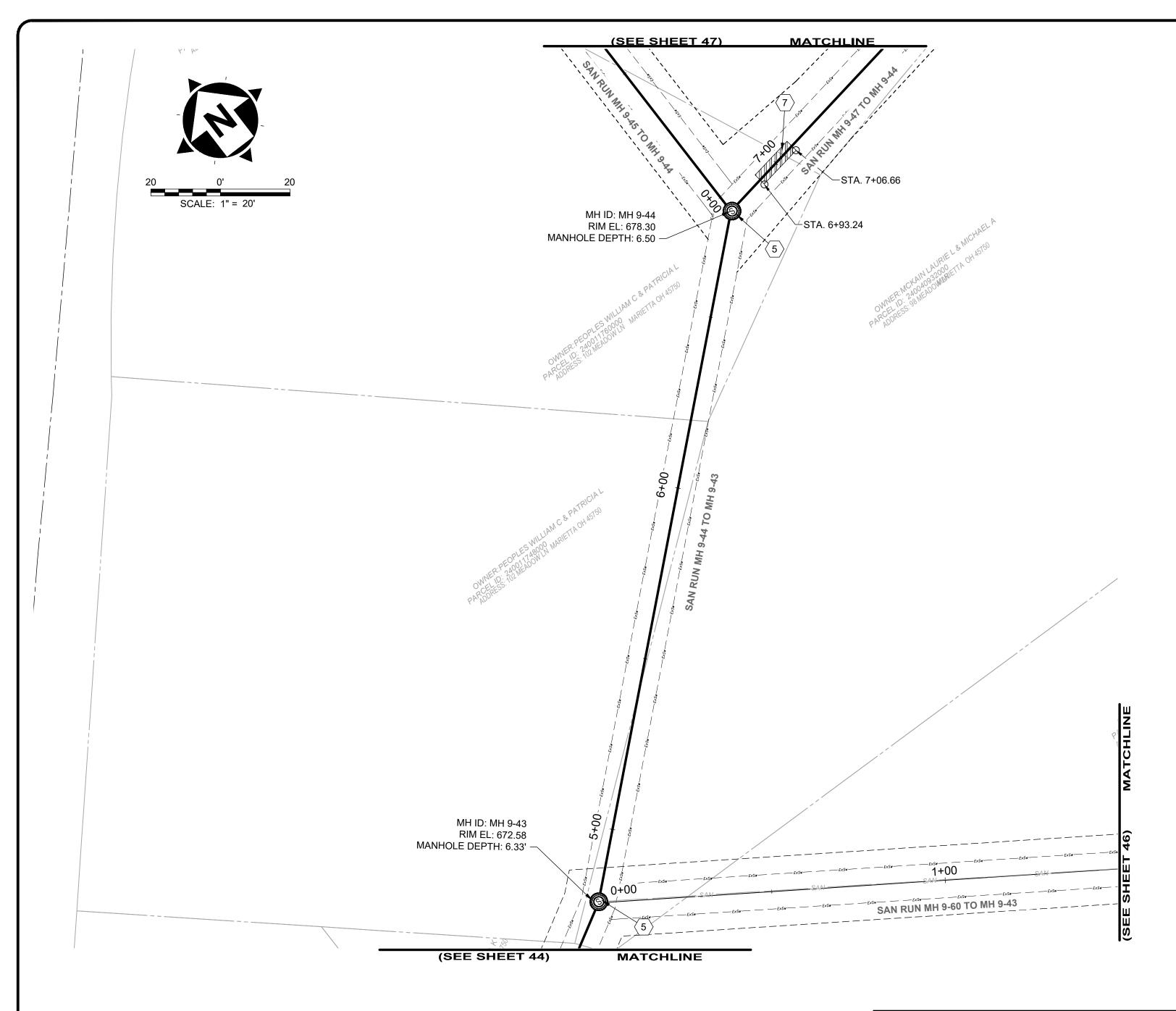
PLAN VIEW 35

C-35

SHEET OF

44 80

PROJECT NO:



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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 NOT USED
- 2 NOT USED
- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

SITE LINE LEGEND:

---- ExC---- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

---- TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

		DS		us					AVERAGE			R	EMENTS		
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	REPAIR CI	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-44 TO 9-43	MH 9-43	4+75	MH 9-44	6+77	202'	8"	VCP	0	6.5'	NO	YES	202'	4	0	
MH 9-47 TO 9-44															REFERENCED ON SHEET 47
MH 9-45 TO 9-44															REFERENCED ON SHEET 47
MH 9-60 TO 9-43															REFERENCED ON SHEET 46

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000

William OF	NO	REVISION	DATE
ATE OF OF			•
TIMOTHY J.			•
P MCLAUGHLIN と			
ENGISTERE CHILINI			
- ONAL			

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

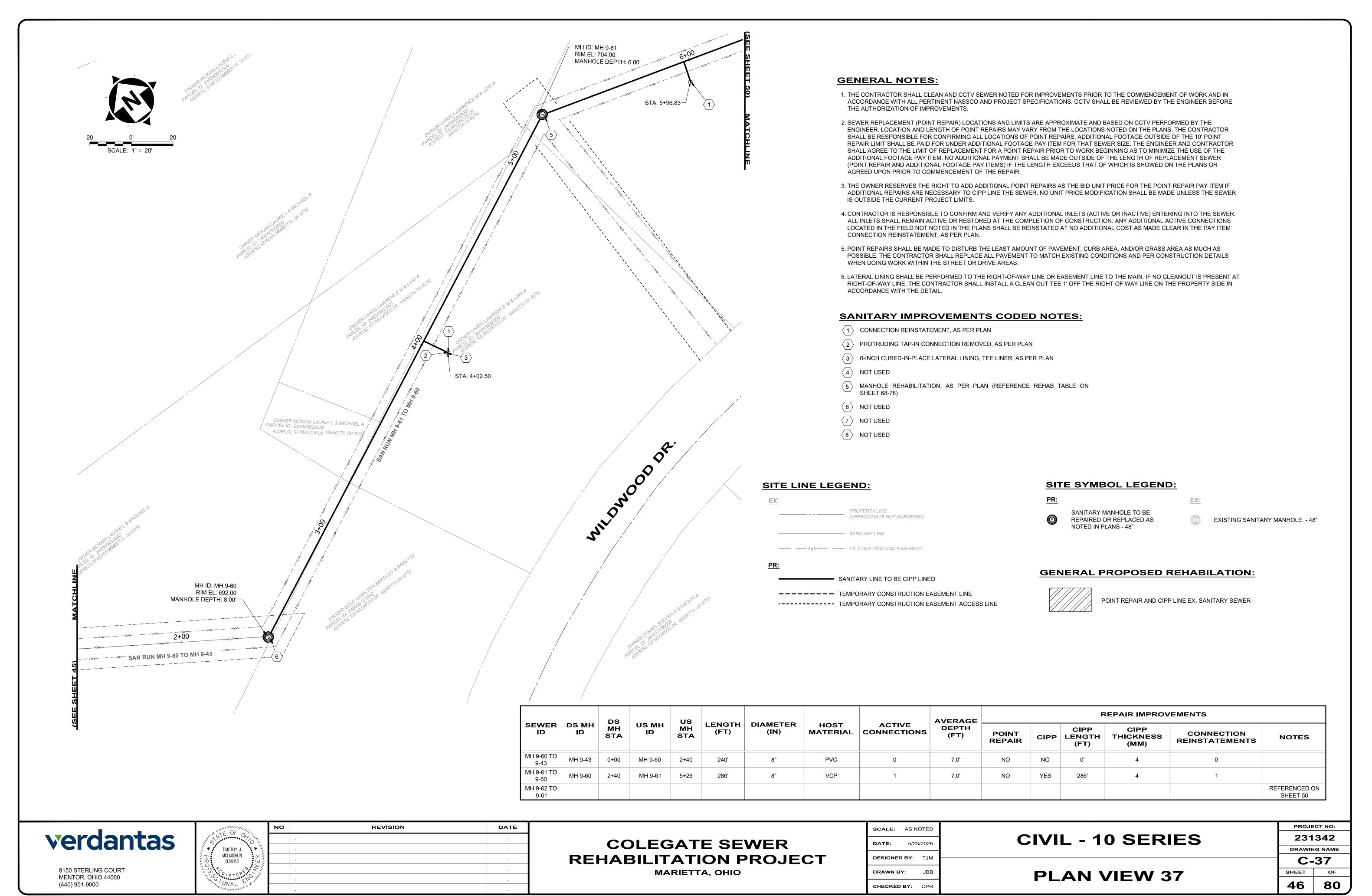
SCALE: AS NOTED	
DATE: 5/23/2025	
DESIGNED BY: TJM	
DRAWN BY: JBB	

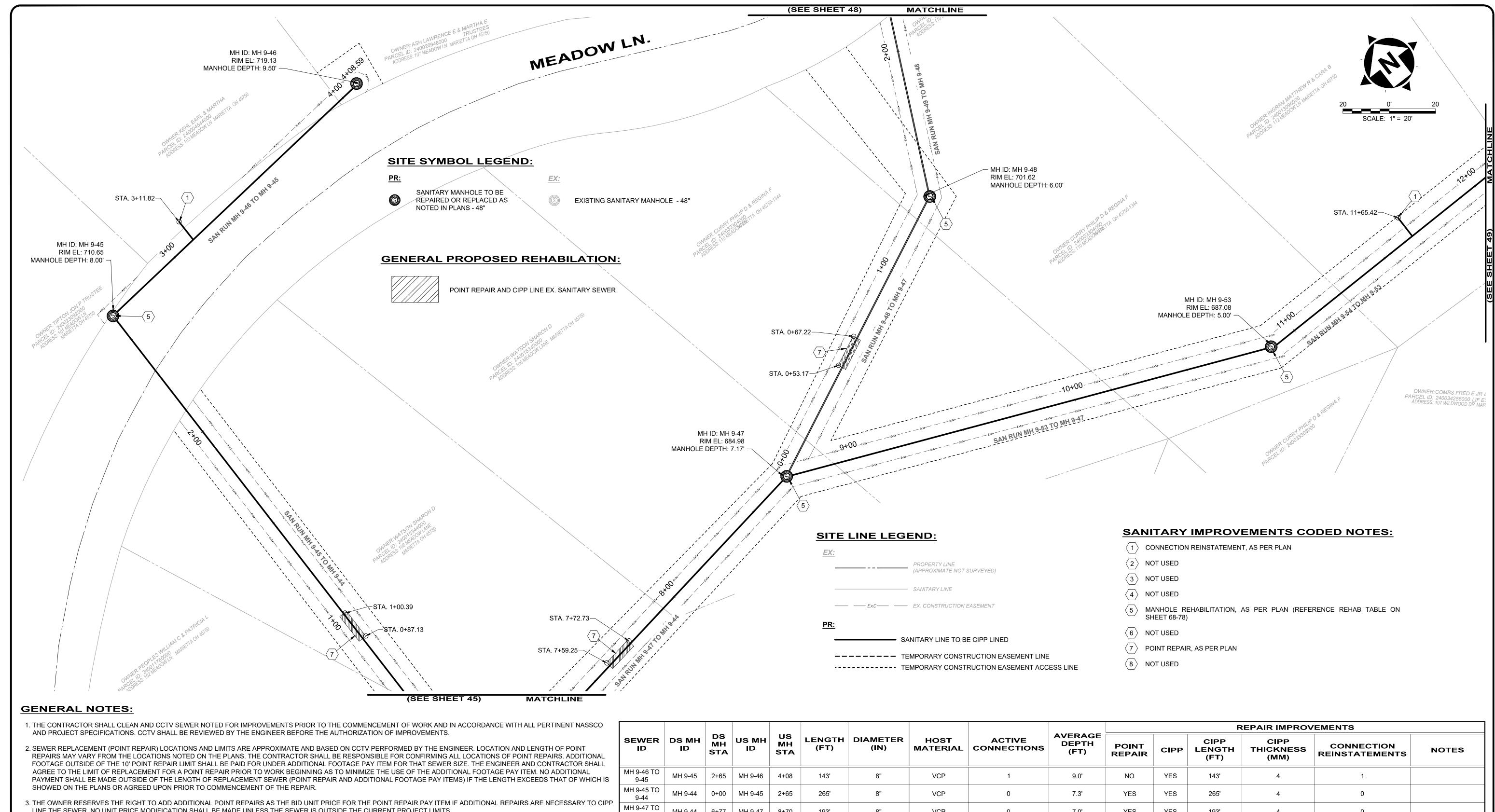
CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 36

PROJECT NO:
231342
DRAWING NAME
C-36





LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.

4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.

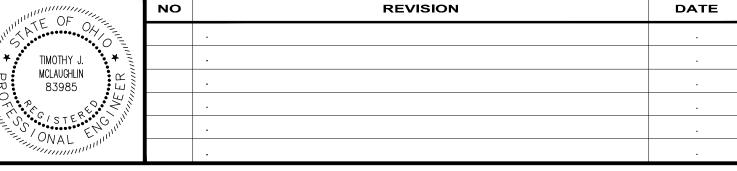
5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.

6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

o [R	EPAIR IMPROV	EMENTS	
AL .LL	SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
H IS	MH 9-46 TO 9-45	MH 9-45	2+65	MH 9-46	4+08	143'	8"	VCP	1	9.0'	NO	YES	143'	4	1	
CIDD	MH 9-45 TO 9-44	MH 9-44	0+00	MH 9-45	2+65	265'	8"	VCP	0	7.3'	YES	YES	265'	4	0	
CIPP	MH 9-47 TO 9-44	MH 9-44	6+77	MH 9-47	8+70	193'	8"	VCP	0	7.0'	YES	YES	193'	4	0	
	MH 9-48 TO 9-47	MH 9-87	0+00	MH 9-48	1+32	132'	8"	VCP	0	6.5'	YES	YES	132'	4	0	
_	MH 9-49 TO 9-48	MH 9-48	1+32	MH 9-49	2+60	128'	8"	VCP	0	6.0'	NO	YES	128'	4	0	
=	MH 9-53 TO 9-47	MH 9-53	8+70	MH 9-47	10+85	215'	8"	VCP	0	6.0'	NO	YES	215'	4	0	
₹	MH 9-54 TO 9-53	MH 9-53	10+85	MH 9-54	14+05	320'	8"	VCP	3	6.0'	NO	YES	320'	4	3	

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE:	AS N	OTED	
DATE:	3/2025		
DESIGNEI	ТЈМ		
DRAWN B	SY:	JBB	

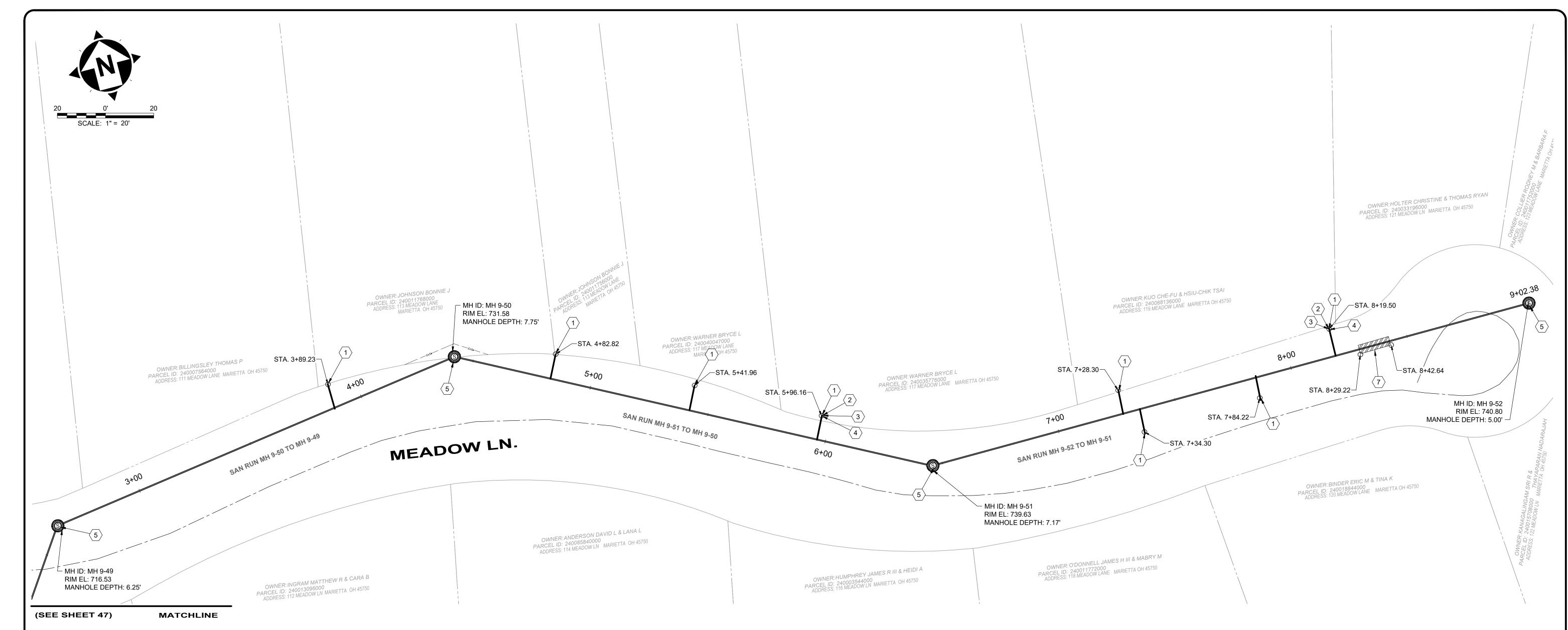
CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 38

231	342	
DRAWIN	IG NAME	
C-	38	
SHEET	OF	
47	80	

PROJECT NO:



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- $\langle 8 \rangle$ NOT USED

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED) ----- SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

————— TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"

PROJECT NO:

231342

DRAWING NAME

C-39

80

SHEET

48

EX:

GENERAL PROPOSED REHABILATION:

POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

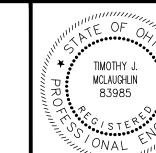
		DS		บร					AVERAGE		REPAIR IMPROVEMENTS				
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	(FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-50 TO 9-49	MH 9-49	2+66	MH 9-50	4+40	174'	8"	VCP	1	7.0'	NO	YES	174'	4	1	
MH 9-51 TO 9-50	MH 9-50	4+40	MH 9-51	6+42	202'	8"	VCP	3	7.0'	NO	YES	202'	4	3	
MH 9-52 TO 9-51	MH 9-51	6+42	MH 9-52	9+02	260'	8"	VCP	4	6.0'	YES	YES	260'	4	4	

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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



REVISION NO DATE

COLEGATE SEWER REHABILITATION PROJECT

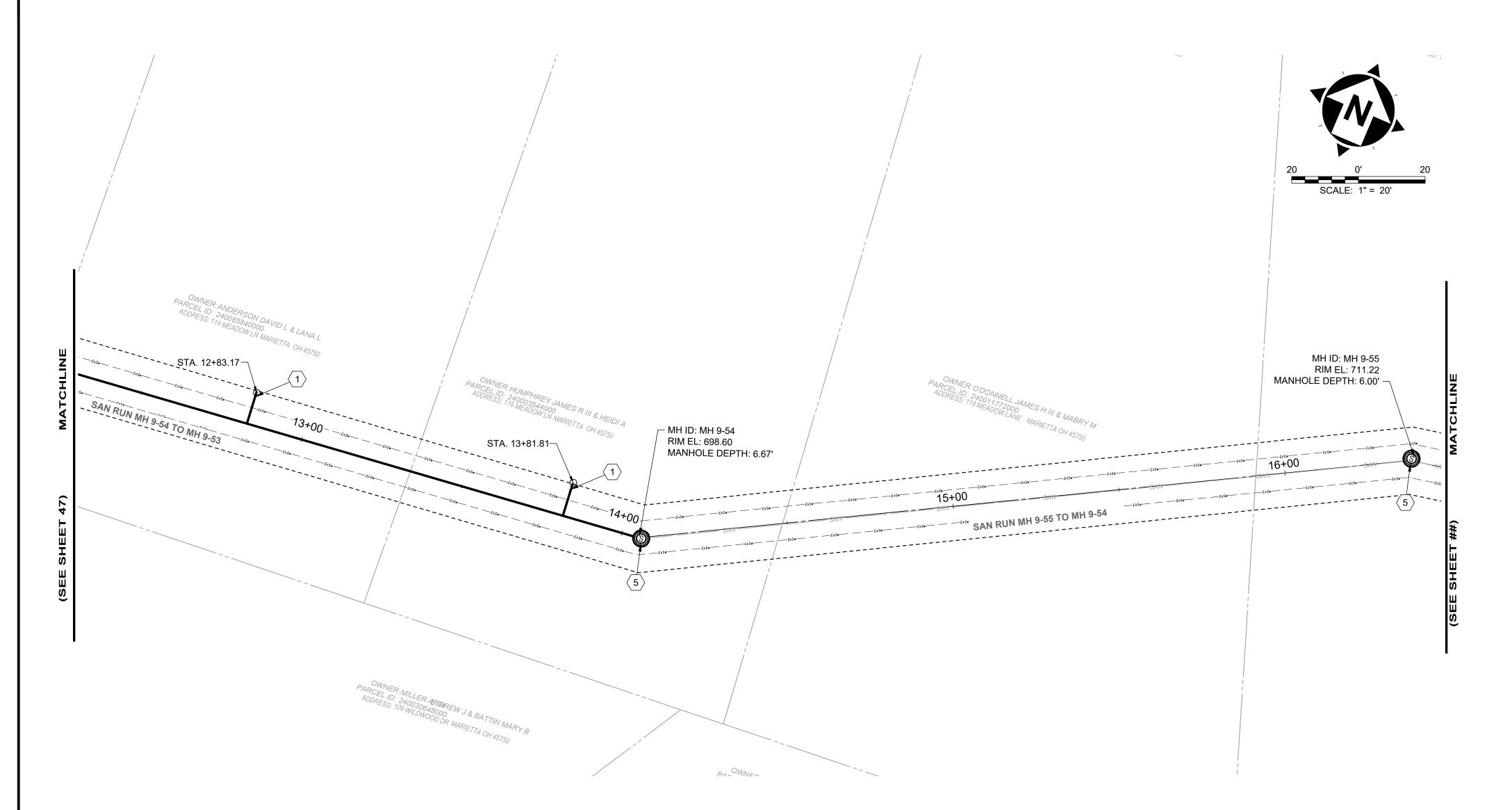
MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 DESIGNED BY: TJM DRAWN BY:

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 39



SANITARY IMPROVEMENTS CODED NOTES:

(1) CONNECTION REINSTATEMENT, AS PER PLAN

2 NOT USED

3 NOT USED

 \langle 4 angle NOT USED

MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68.78)

 $\overline{\left\langle 6\right\rangle }$ NOT USED

7 NOT USED

8 NOT USED

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

		DS		us				_	AVERAGE REPAIR IMPR					OVEMENTS		
SEWER ID	DS MH ID	DS MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-54 TO 9-53															REFERENCED ON SHEET 47	

SITE LINE LEGEND:



SANITARY LINE TO BE CIPP LINED

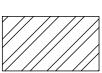
TEMPORARY CONSTRUCTION EASEMENT LINE
TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

© EXISTING SANITARY MANHOLE - 48"

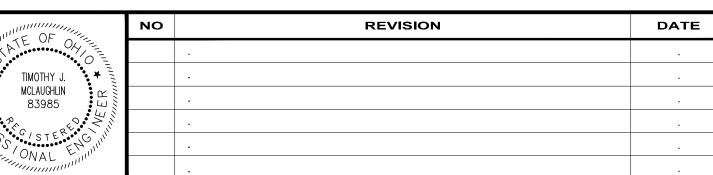
GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 40

231342

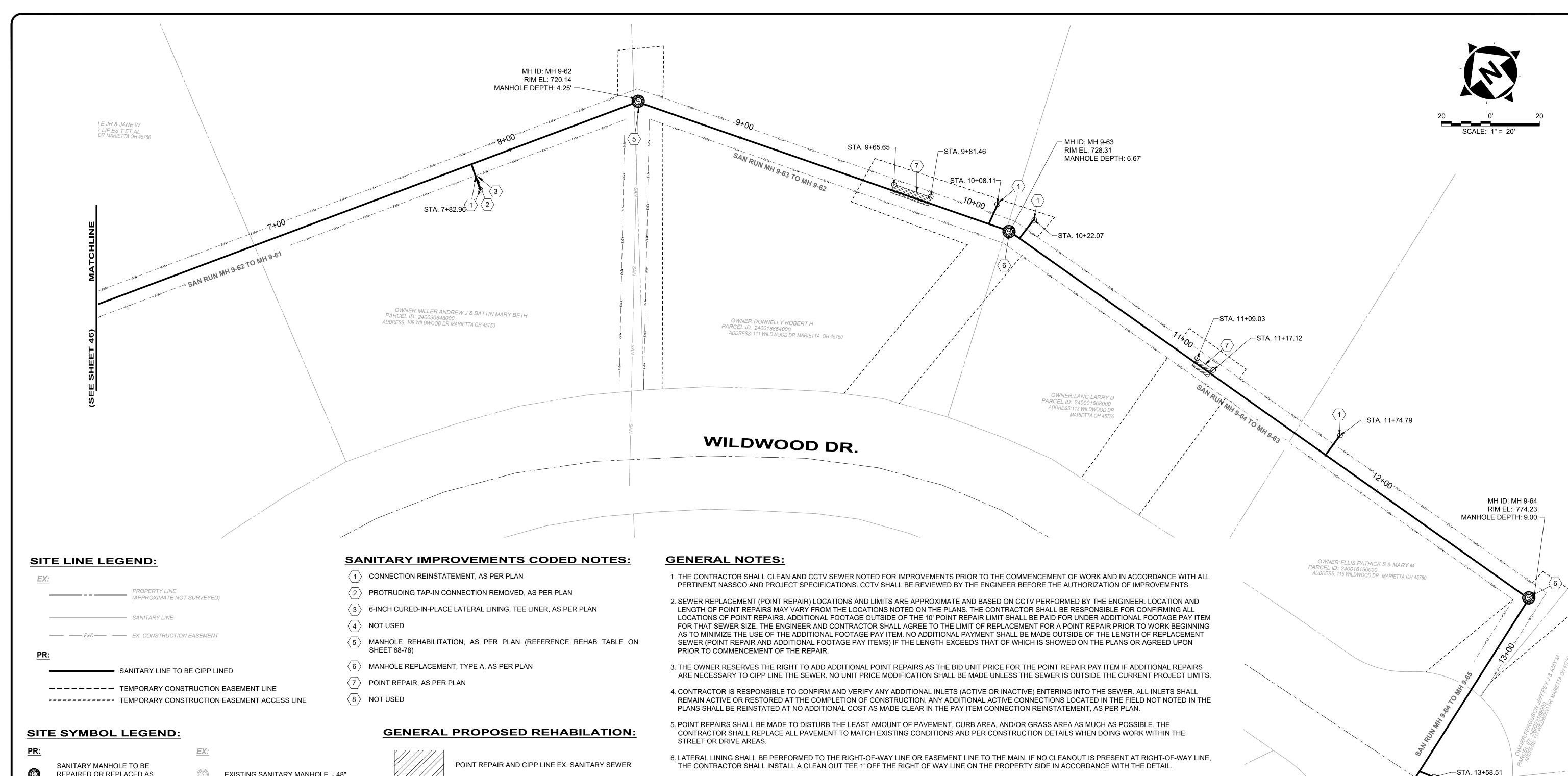
DRAWING NAME

C-40

SHEET OF

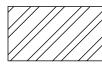
49 80

PROJECT NO:



REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"



		DS		US					AVERAGE	REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-62 TO 9-61	MH 9-61	5+26	MH 9-62	8+57	331'	8"	VCP	2	6.0'	NO	YES	331'	4	2		
MH 9-63 TO 9-62	MH 9-62	8+57	MH 9-63	10+17	160"	8"	VCP	1	5.0'	YES	YES	160"	4	1		
MH 9-64 TO 9-63	MH 9-63	10+17	MH 9-64	12+78	261'	8"	VCP	2	8.0'	YES	YES	261'	4	2		
MH 9-65 TO 9-64	MH 9-64	12+78	MH 9-65	13+86	108'	8"	VCP	1	7.5'	NO	YES	108'	4	1		



8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	TJM	
DRAWN B	Y:	JBB	
CHECKED	BY:	CPR	

CIVIL - 10 SERIES

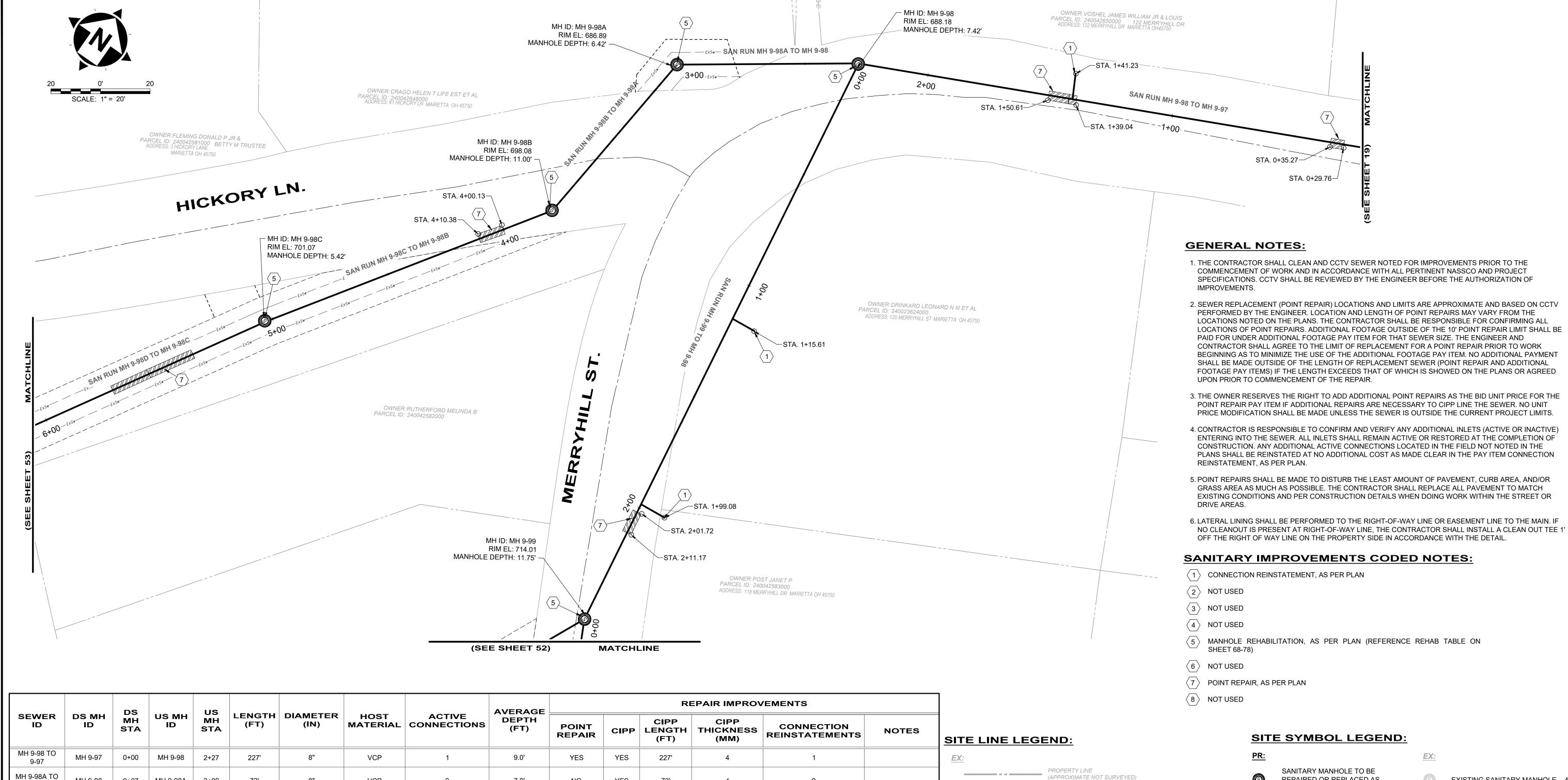
PLAN VIEW 41

MH ID: MH 9-65 RIM EL: 776.87

MANHOLE DEPTH: 6.17' -

231342 DRAWING NAME C-41 SHEET

PROJECT NO:



		DS		us					AVERAGE	REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-98 TO 9-97	MH 9-97	0+00	MH 9-98	2+27	227'	8"	VCP	1	9.0'	YES	YES	227'	4	1		
MH 9-98A TO 9-98	MH 9-98	2+27	MH 9-98A	3+00	73'	8"	VCP	0	7.0'	NO	YES	73'	4	0		
MH 9-98B TO MH 9-98A	MH 9-98A	3+00	MH 9-98B	3+79	79'	8"	VCP	0	8.5'	NO	YES	79'	4	0		
MH 9-98C TO 9-98B	MH 9-98B	3+79	MH 9-98C	5+05	126'	8"	VCP	0	8.0'	YES	YES	126'	4	0		
MH 9-98D TO 9-98C	MH 9-98C	5+05	MH 9-98D	6+75	170'	8"	VCP	0	5.0'	YES	YES	170'	4	0		
MH 9-99 TO 9-98	MH 9-98	0+00	MH 9-99	2+48	248'	8"	VCP	2	9.0'	YES	YES	248'	4	2		

SANITARY LINE ---- EXC---- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

---- TEMPORARY CONSTRUCTION EASEMENT LINE ****** TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE REPAIRED OR REPLACED AS

EXISTING SANITARY MANHOLE - 48"

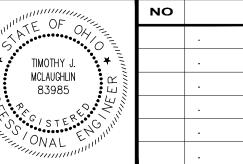
GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



REVISION DATE

COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNED	BY:	ТЈМ	
DRAWN B	Y :	JBB	

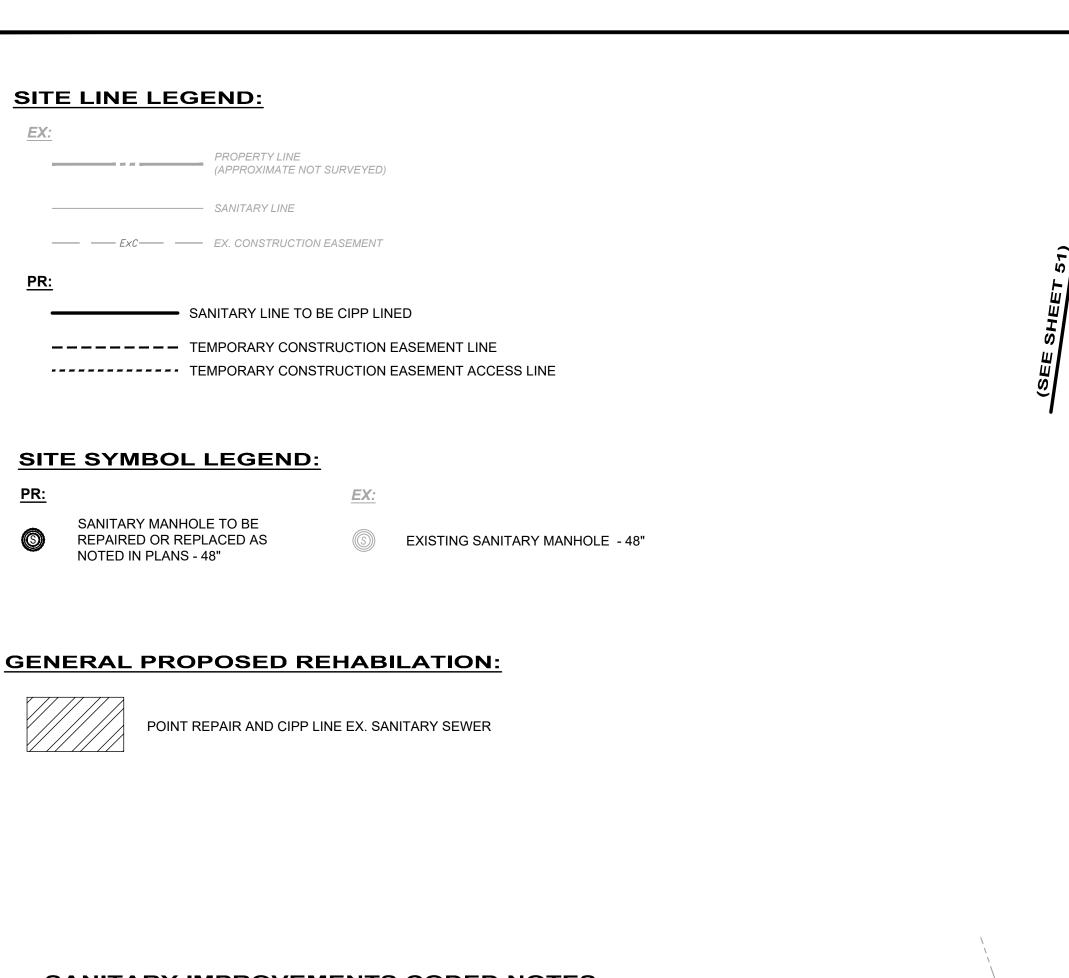
CHECKED BY: CPR

CIVIL - 10 SERIES

DRAWING NAME **C-42** SHEET

PLAN VIEW 42

PROJECT NO:



SANITARY IMPROVEMENTS CODED NOTES:

1 CONNECTION REINSTATEMENT, AS PER PLAN

2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN

 $\overline{\left\langle 3\right\rangle }$ 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN

4 NOT USED

MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)

SHEET 68-78)

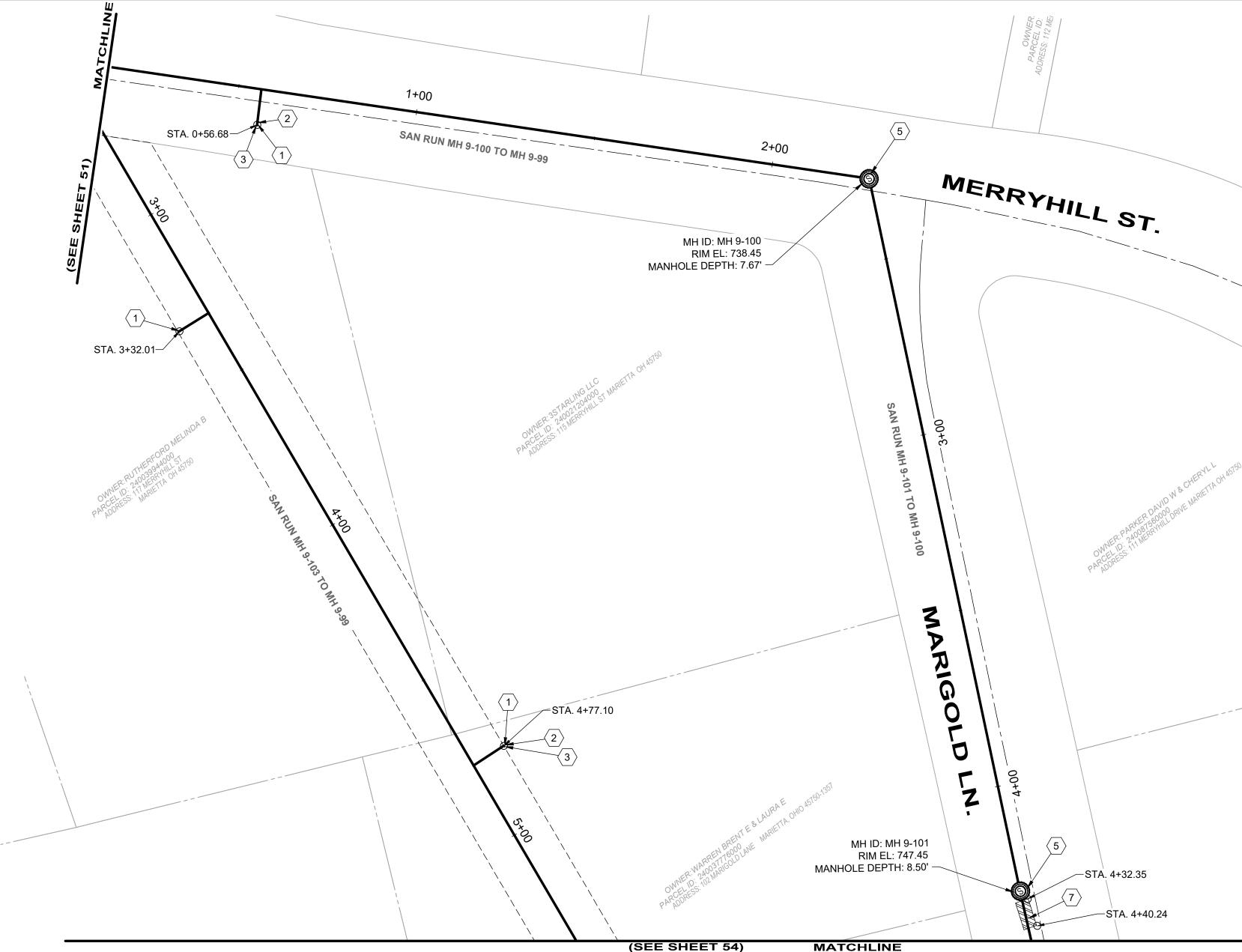
6 NOT USED

 $\overline{\langle 7 \rangle}$ POINT REPAIR, AS PER PLAN

8 NOT USED

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.



		DS		US					AVERAGE		REPAIR IMPROVEMENTS				
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-103 TO 9-99	MH 9-99	2+48	MH 9-103	5+75	327'	8"	VCP	3	10.0'	NO	YES	324'	4	3	
MH 9-100 TO 9-99	MH 9-99	0+00	MH 9-100	2+25	225'	8"	VCP	1	8.0'	NO	YES	225'	4	1	
MH 9-101 TO 9-100	MH 9-100	2+25	MH 9-101	4+26	201'	8"	VCP	0	8.0'	NO	YES	201'	4	0	
MH 9-102 TO 9-101															REFERENCED ON SHEET 54

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	BY:	TJM	
DRAWN B	Y :	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 43

231342

DRAWING NAME

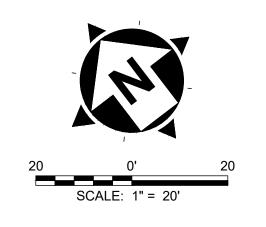
C-43

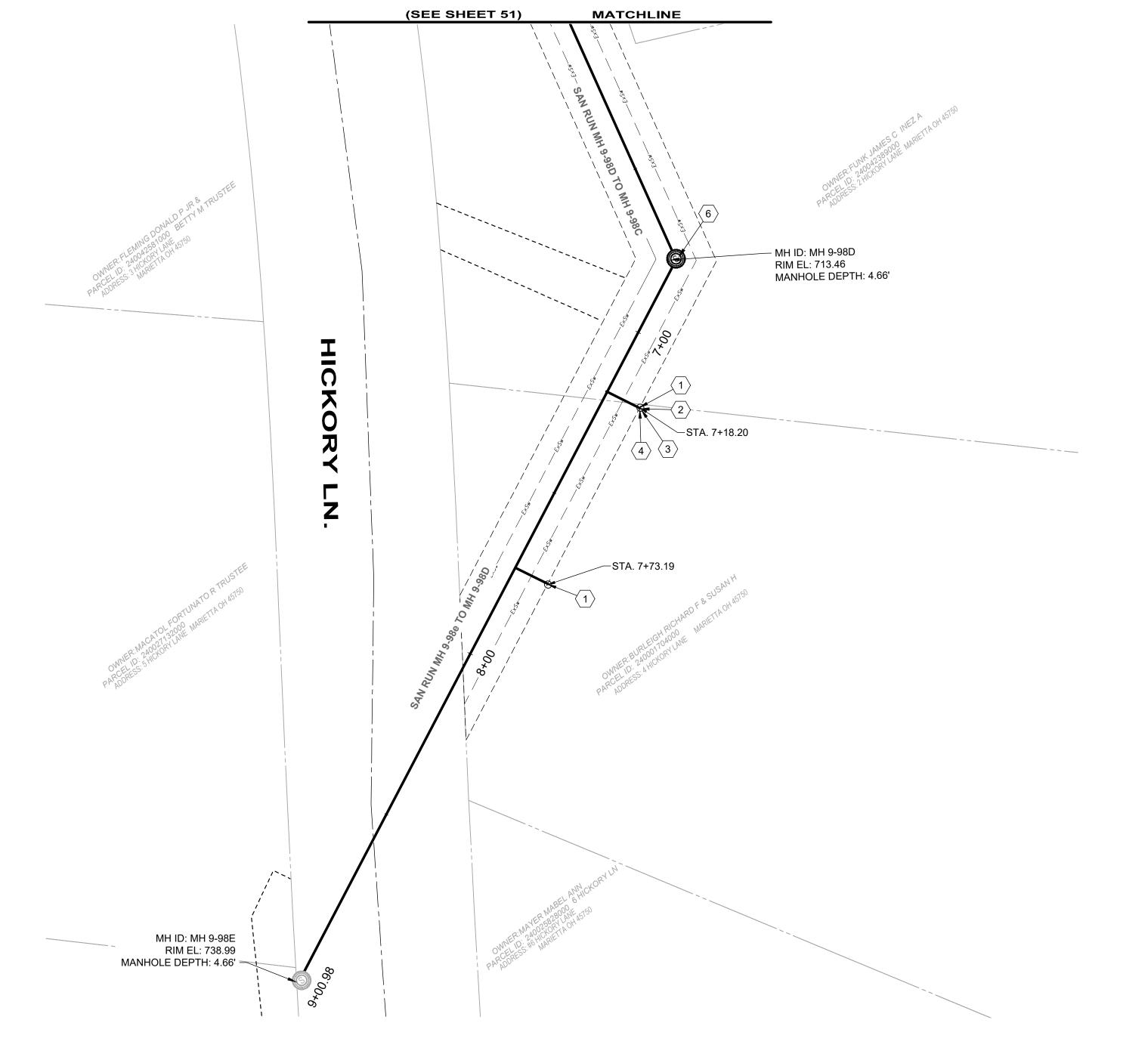
SHEET OF

52 80

PROJECT NO:

H:2023;231342;DWG;BASE;C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 52 PLAN VIEW 43 - 5/28/2025 4:24:05 PM - JARED BORDNER





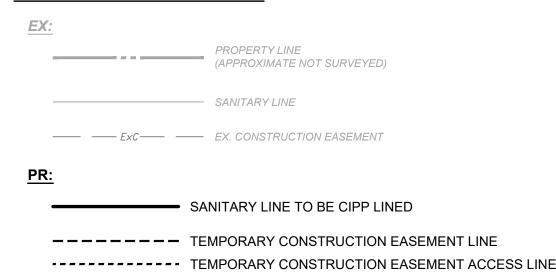
		DS		116					REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-98D TO 9-98C														REFERENCED ON SHEET 51	
MH 9-98E TO 9-98D	MH 9-98D	6+75	MH 9-98E	9+00	225'	8"	VCP	2	4.5'	NO	YES 225'	4	2		

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- \langle 4 \rangle 6-INCH CLEAN OUT, AS PER PLAN
- (5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- (6) MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

SITE LINE LEGEND:



SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 **DESIGNED BY:** TJM DRAWN BY: CHECKED BY: CPR

CIVIL - 10 SERIES

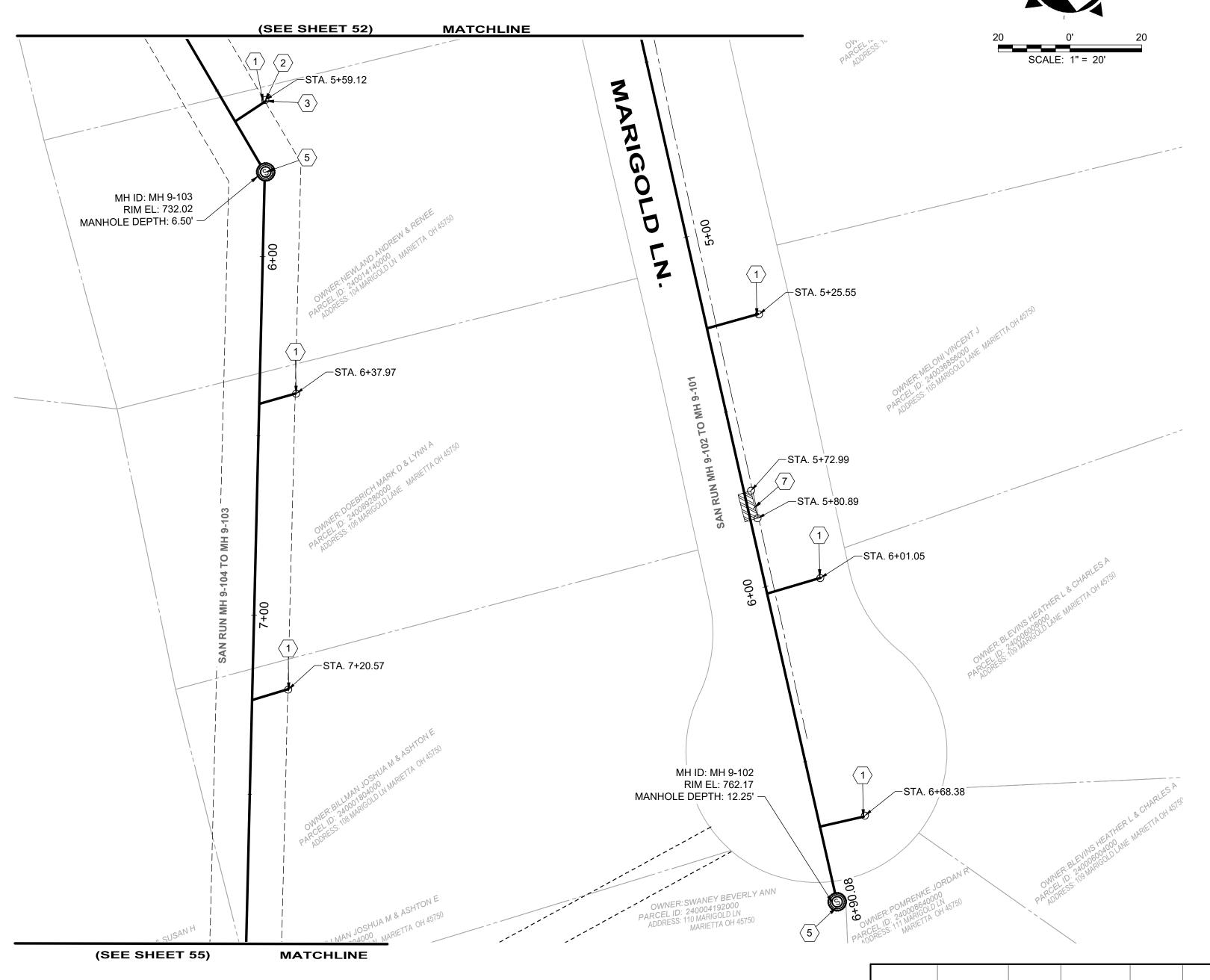
231342 DRAWING NAME **C-44** SHEET

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53

PROJECT NO:

PLAN VIEW 44



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- $\langle 2 \rangle$ PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

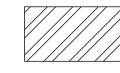
SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE

REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED) — SANITARY LINE ---- EXC---- EX. CONSTRUCTION EASEMENT

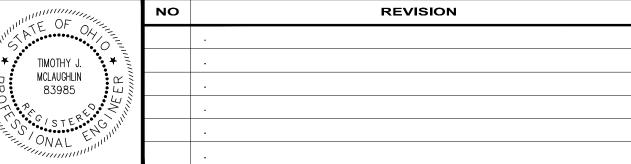
SANITARY LINE TO BE CIPP LINED

————— TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

	DS MILL DS			US								R	EPAIR IMPROV	/EMENTS	
SEWER ID	DS MH M	MH STA	US MH ID	MH STA	(FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-103 TO 9-99															REFERENCED ON SHEET 52
MH 9-104 TO 9-103	MH 9-103	5+75	MH 9-104	8+30	255'	8"	VCP	2	10.0'	NO	YES	255'	4	2	
MH 9-102 TO 9-101	MH 9-101	4+26	MH 9-102	6+90	264'	8"	VCP	3	10.0'	YES	YES	264'	4	3	

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8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



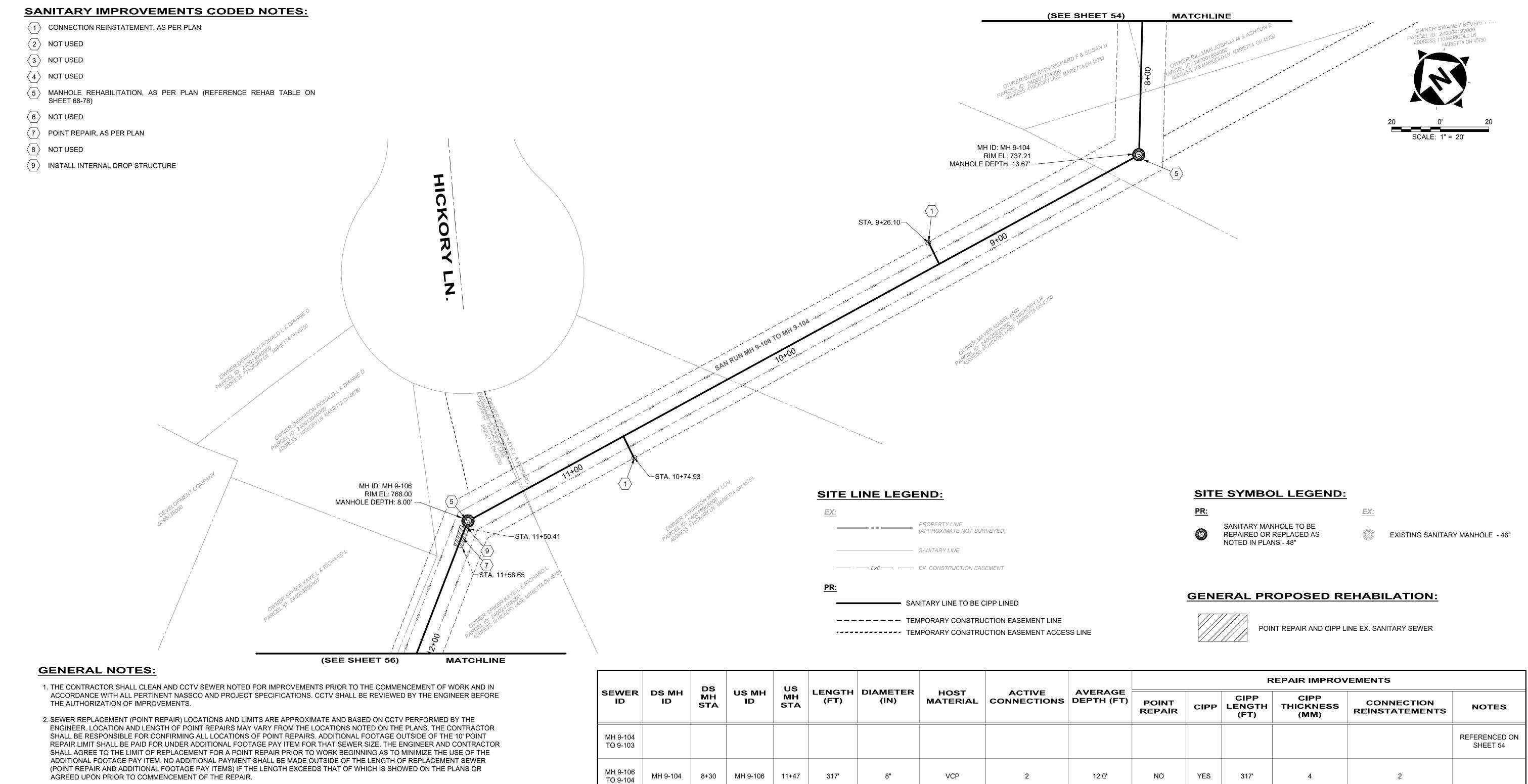
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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO	

SCALE:	AS NOTE	D
DATE:	5/23/2025	5
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DRAWN B	Y: JBE	3
CHECKED	BY: CPF	₹

PLAN VIEW 45	SHEET	OF
		45
	DRAWING NAME	
CIVIL - 10 SERIES	231342	
	PROJE	CT NO:



- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
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		DS		us						REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	AH (ET) (IN)		ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES	
MH 9-104 TO 9-103															REFERENCED ON SHEET 54
MH 9-106 TO 9-104	MH 9-104	8+30	MH 9-106	11+47	317'	8"	VCP	2	12.0'	NO	YES	317'	4	2	
MH 9-107 TO 9-106															REFERENCED ON SHEET 56

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

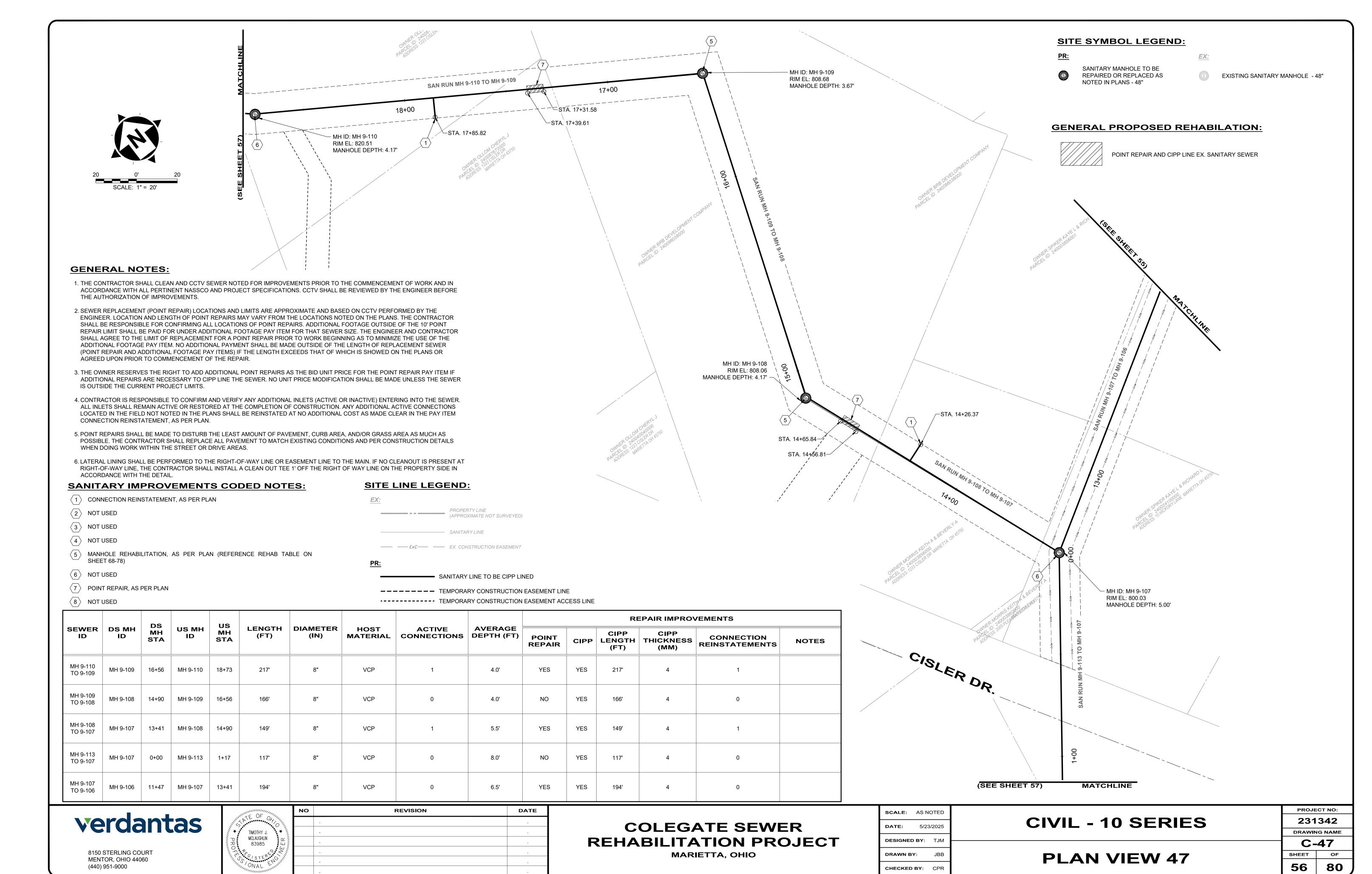
PLAN VIEW 46

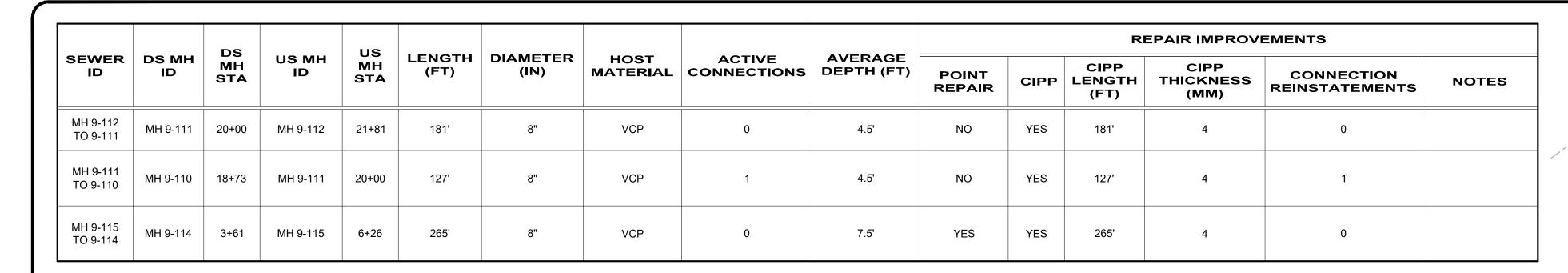
PROJECT NO: 231342 DRAWING NAME C-46 SHEET

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H:\2023\231342\DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 55 PLAN VIEW 46 - 5/28/2025 4:24:05 PM - JARED BORDNER





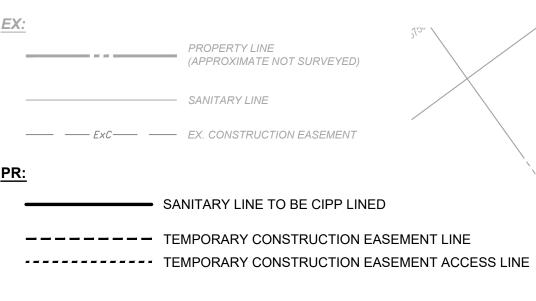
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TIMOTHY J.

MCLAUGHLIN

83985





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19+00

SAN RUN MH 9-111 TO MH 9-110

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MH ID: MH 9-111

RIM EL: 829.94

MANHOLE DEPTH: 4.67'

PLAN VIEW 48

OWNER: CEMETERY-JEWISH-B'NAI ISRAEL CONGREGATION

231342

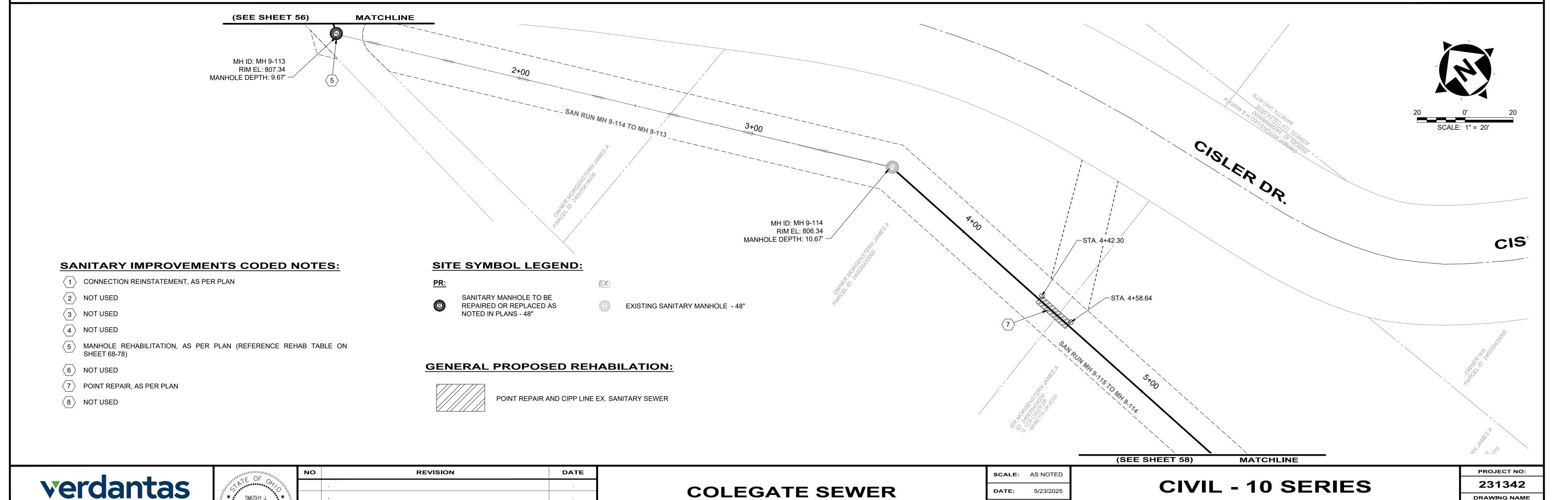
DRAWING NAME

C-48

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SHEET

57



COLEGATE SEWER

REHABILITATION PROJECT

MARIETTA, OHIO

DATE: 5/23/2025

DRAWN BY:

CHECKED BY:

MH ID: MH 9-112

MANHOLE DEPTH: 4.58'

RIM EL: 833.42

8150 STERLING COURT

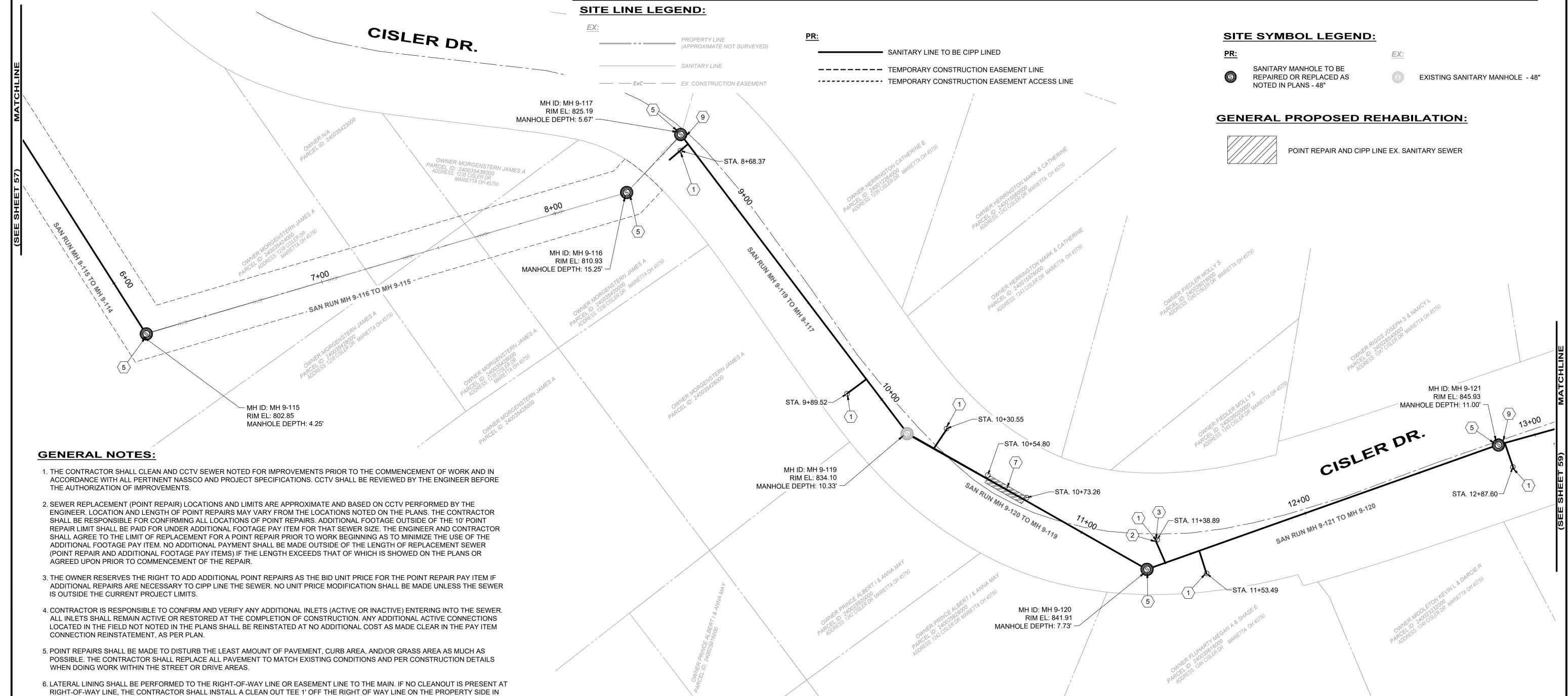
MENTOR, OHIO 44060

(440) 951-9000

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- (2) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 NOT USED
- (5) MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 NOT USED
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED
- 9 INSTALL INTERNAL DROP STRUCTURE

		DS		us						REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP L	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-115 TO 9-114															REFERENCED ON SHEET 57
MH 9-119 TO 9-117	MH 9-117	8+65	MH 9-119	10+15	150'	8"	VCP	2	8.0'	NO	YES	150'	4	2	
MH 9-120 TO 9-119	MH 9-119	10+15	MH 9-120	11+28	113'	8"	VCP	1	9.0'	YES	YES	113'	4	1	
MH 9-121 TO 9-120	MH 9-120	11+28	MH 9-121	12+80	152'	8"	VCP	2	9.0'	NO	YES	152'	4	2	
MH 9-122 TO 9-121															REFERENCED ON SHEET 59



verdantas

ACCORDANCE WITH THE DETAIL.

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

REVISION NO DATE TIMOTHY J. MCLAUGHLIN 83985

COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

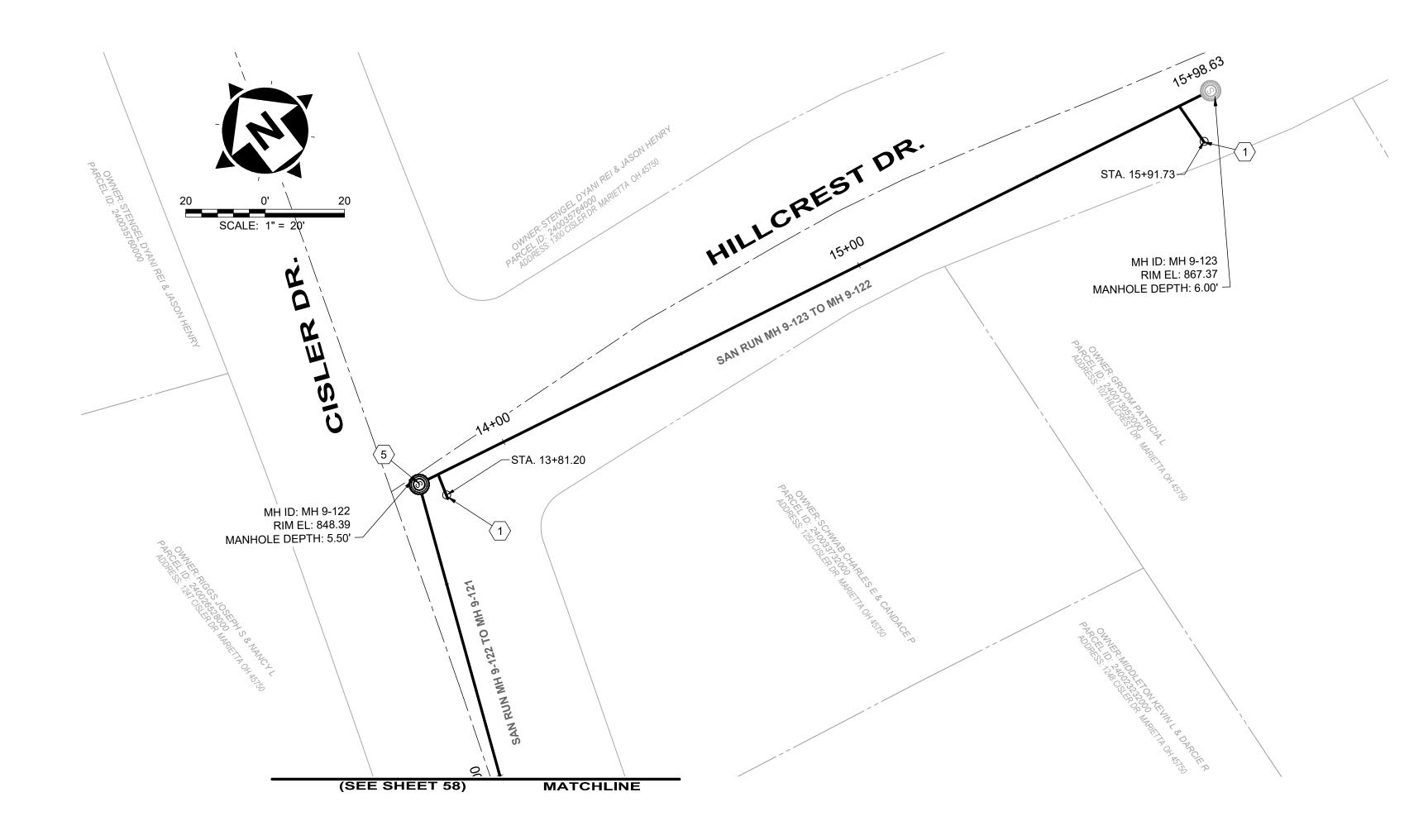
SCALE: AS NOTED **DATE:** 5/23/2025 **DESIGNED BY:** TJM DRAWN BY: CHECKED BY: CPR

CIVIL - 10 SERIES

DRAWING NAME **C-49** SHEET **PLAN VIEW 49 58**

PROJECT NO:

231342



	50.444	DS		us					AVERAGE			R	EPAIR IMPROV	EMENTS	
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-122 TO 9-121	MH 9-121	12+80	MH 9-122	13+78	98'	8"	VCP	1	8.0'	NO	YES	98'	4	1	
MH 9-123 TO 9-122	MH 9-122	13+78	MH 9-123	15+98	220'	8"	VCP	2	5.8'	NO	YES	220'	4	2	

SANITARY IMPROVEMENTS CODED NOTES:

1 CONNECTION REINSTATEMENT, AS PER PLAN

2 NOT USED

3 NOT USED

4 NOT USED

MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)

6 NOT USED

7 NOT USED

 $\langle 8 \rangle$ NOT USED

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
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- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SITE LINE LEGEND:

PROPERTY LINE
(APPROXIMATE NOT SURVEYED)

SANITARY LINE
EXC EX. CONSTRUCTION EASEMENT

PR:

TEMPORARY CONSTRUCTION EASEMENT LINE
TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SANITARY LINE TO BE CIPP LINED

SITE SYMBOL LEGEND:

<u>'R:</u>

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



	NO	REVISION	DATE
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COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 50

PROJECT NO:

231342

DRAWING NAME

C-50

SHEET OF

80

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

- 1 CONNECTION REINSTATEMENT, AS PER PLAN
- 2 PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- $\overline{7}$ POINT REPAIR, AS PER PLAN
- 8 NOT USED

	OWNER: MEDLEY RICK J ADDRESS: 915 COLEGATE DR MARIETTA OH 45750 STA. 2+94.59	OWNER-GASSER DAVID P & MICHELLE ADDRESS: 911 COLEGMARIBATA OH 45750 LM
	2+00	STA 1160.06
	MH ID: MH 9-129 RIM EL: 705.57 MANHOLE DEPTH: 6.00'	STA. 1+69.96- STA. 1+61
	STA. 3+58.82 STA. 3+58.82 STA. 3+58.82 WATCHLINE (SEE SHEET 61) MATCHLINE	
	REPAIR IMPROVEMENTS]
~ —		∃

		De		116								R	EPAIR IMPRO	VEMENTS	
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-134 TO 9-128	MH 9-128	1+00	MH 9-134	2+24	124'	8"	VCP	1	8'	YES	YES	124'	4	1	
MH 9-135 TO 9-134															REFERENCED ON SHEET 62
MH 9-129 TO 9-128	MH 9-130	0+00	MH 9-129	2+74	274'	8"	VCP	1	8'	YES	YES	274'	4	1	
MH 9-130 TO 9-129	MH 9-129	2+74	MH 9-130	5+00	226'	8"	VCP	3	9'	YES	YES	226'	4	3	

SITE LINE LEGEND:



SANITARY LINE TO BE CIPP LINED

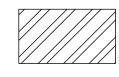
----- TEMPORARY CONSTRUCTION EASEMENT LINE
----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

S EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



	NO	REVISION	DATE
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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	TJM	
DRAWN E	Y:	JBB	

CHECKED BY: CPR

SAN RUN MH 9-129 TO MH 9-128

STA. 1+38.57-

CIVIL - 10 SERIES

PLAN VIEW 51

231342

DRAWING NAME

C-51

SHEET OF

60 80

PROJECT NO:

SCALE: 1" = 20'

- MH ID: MH 9-128

MANHOLE DEPTH: 10.25'

-STA. 1+72.88

-STA. 1+80.99

STA. 2+71.94

STA. 1+91.66

MH ID: MH 9-134 RIM EL: 699.38

MANHOLE DEPTH: 6.58'

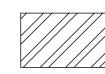
RIM EL: 693.16

H:2023\231342\DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 60 PLAN VIEW 51 - 5/28/2025 4:24:05 PM - JARED BORDNER

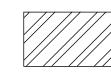
SITE SYMBOL LEGEND:

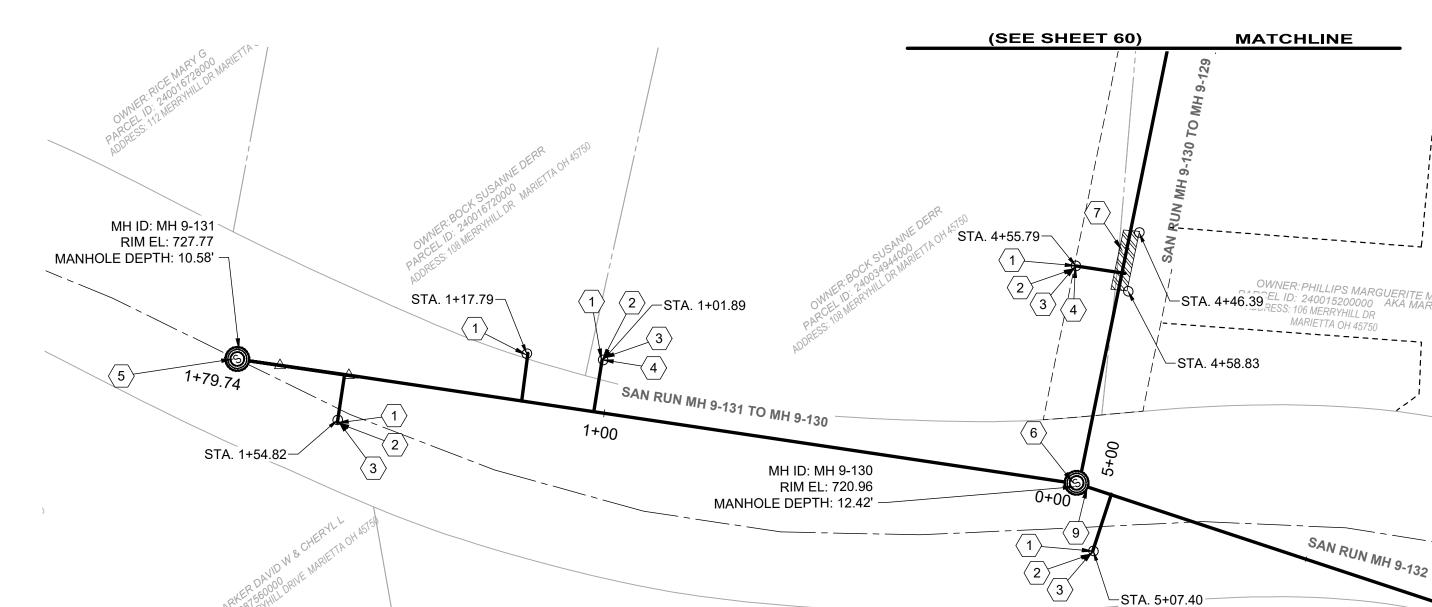
SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER





GENERAL NOTES:

1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.

EXISTING SANITARY MANHOLE - 48"

- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- $\left\langle 2\right\rangle$ PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- 3 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- 4 6-INCH CLEAN OUT, AS PER PLAN
- $\left\langle 5 \right\rangle$ MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
- 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN
- 7 POINT REPAIR, AS PER PLAN
- 8 NOT USED

OWNER: HOLLEY CLINTON J JR & VALERIE J TRUSTEES

PARCEL ID: 240001688000 ADDRESS: 109 MERRYHILL ST MARIETTA OH 45750

9 INSTALL INTERNAL DROP STRUCTURE, PER DETAIL

		De		116						REPAIR IMPROVEMENTS						
SEWER ID	DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL		POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES		
MH 9-130 TO 9-129															REFERENCED ON SHEET 60	
MH 9-131 TO 9-130	MH 9-130	0+00	MH 9-131	1+79	179'	8"	VCP	3	11.0'	NO	YES	179'	4	3		
MH 9-132 TO 9-130	MH 9-130	5+00	MH 9-132	6+44	144'	8"	VCP	2	10.0'	NO	YES	144'	4	2		
MH 9-133 TO 9-132	MH 9-132	6+44	MH 9-133	9+51	307'	8"	VCP	3	8.0'	YES	YES	179'	4	3		

verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000



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THY J. + =			
UGHLIN 985			
SEO SI			
STEROGINI			
AL Emilia			

COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNED	BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

-STA. 5+78.76

SITE LINE LEGEND:

(APPROXIMATE NOT SURVEYED)

---- ExC---- EX. CONSTRUCTION EASEMENT

---- SANITARY LINE

SANITARY LINE TO BE CIPP LINED

----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

---- TEMPORARY CONSTRUCTION EASEMENT LINE

- MH ID: MH 9-132 RIM EL: 734.53

MANHOLE DEPTH: 7.67'

CIVIL - 10 SERIES

PLAN VIEW 52

∕-STA. 7+32.99

−STA. 7+41.05

 $\left\langle 2\right\rangle \left\langle 1\right\rangle$

(SEE SHEET 62)

√STA. 8+01.85

STA. 8+10.18

231342 DRAWING NAME C-52 SHEET 61 80

PROJECT NO:

MATCHLINE

SCALE: 1" = 20'

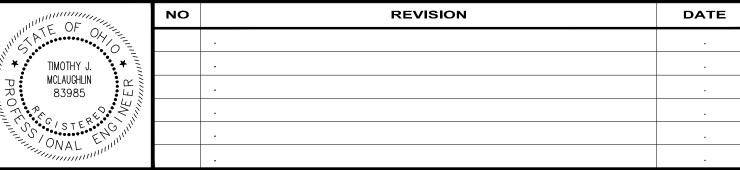
GENERAL NOTES: (SEE SHEET 60) **MATCHLINE** 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED -STA. 3+28.43 ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR. 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS. 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE STA. 3+76.51-CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN. 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS. 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH **SANITARY IMPROVEMENTS CODED NOTES:** 1 CONNECTION REINSTATEMENT, AS PER PLAN $\left\langle 2\right\rangle$ PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN (3) 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON 6 MANHOLE REPLACEMENT, TYPE A, AS PER PLAN 7 POINT REPAIR, AS PER PLAN $\langle 8 \rangle$ NOT USED 9 INSTALL INTERNAL DROP STRUCTURE, PER DETAIL MH ID: MH 9-135 RIM EL: 713.78 MANHOLE DEPTH: 5.33' SITE LINE LEGEND: (APPROXIMATE NOT SURVEYED) ∕−STA. 8+71.31 ----- SANITARY LINE ---- ExC---- EX. CONSTRUCTION EASEMENT SANITARY LINE TO BE CIPP LINED ---- TEMPORARY CONSTRUCTION EASEMENT LINE ***** TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE SITE SYMBOL LEGEND: SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS EXISTING SANITARY MANHOLE - 48" MH ID: MH 9-133 RIM EL: 748.26 MANHOLE DEPTH: 8.50' -OWNER: COOPER WARREN L JR & YVETTE D ADDRESS: 101 MERRYHILL DR MARIETTA OH 45750 **GENERAL PROPOSED REHABILATION:** POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

										0/3/				ON PRE	NEW: MARE SELESS: MARE
		De		He								R	EPAIR IMPRO	VEMENTS	
SEWE ID	R DS MH ID	DS MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-135 9-134	TO MH 9-134	2+24	MH 9-135	5+00	226'	8"	VCP	4	6.0'	NO	YES	226'	4	4	
MH 9-136 9-135	TO MH 9-135	5+00	MH 9-136	6+00	100'	8"	VCP	1	11.5'	NO	YES	100'	4	1	
MH 9-137 9-136	TO MH 9-136	6+00	MH 9-137	7+69	169'	8"	VCP	1	11.0'	NO	YES	169'	4	1	
MH 9-138 9-137															REFERENCED ON SHEET 62
MH 9-133 9-132	то														REFERENCED ON SHEET 61
	I	'	1		1	1	<u> </u>		1	1	ı	ı		1	1

−STA. 5+24.20

verdantas

8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNEI	D BY:	TJM	
DRAWN B	SY:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

231342

DRAWING NAME

C-53

SHEET OF

62

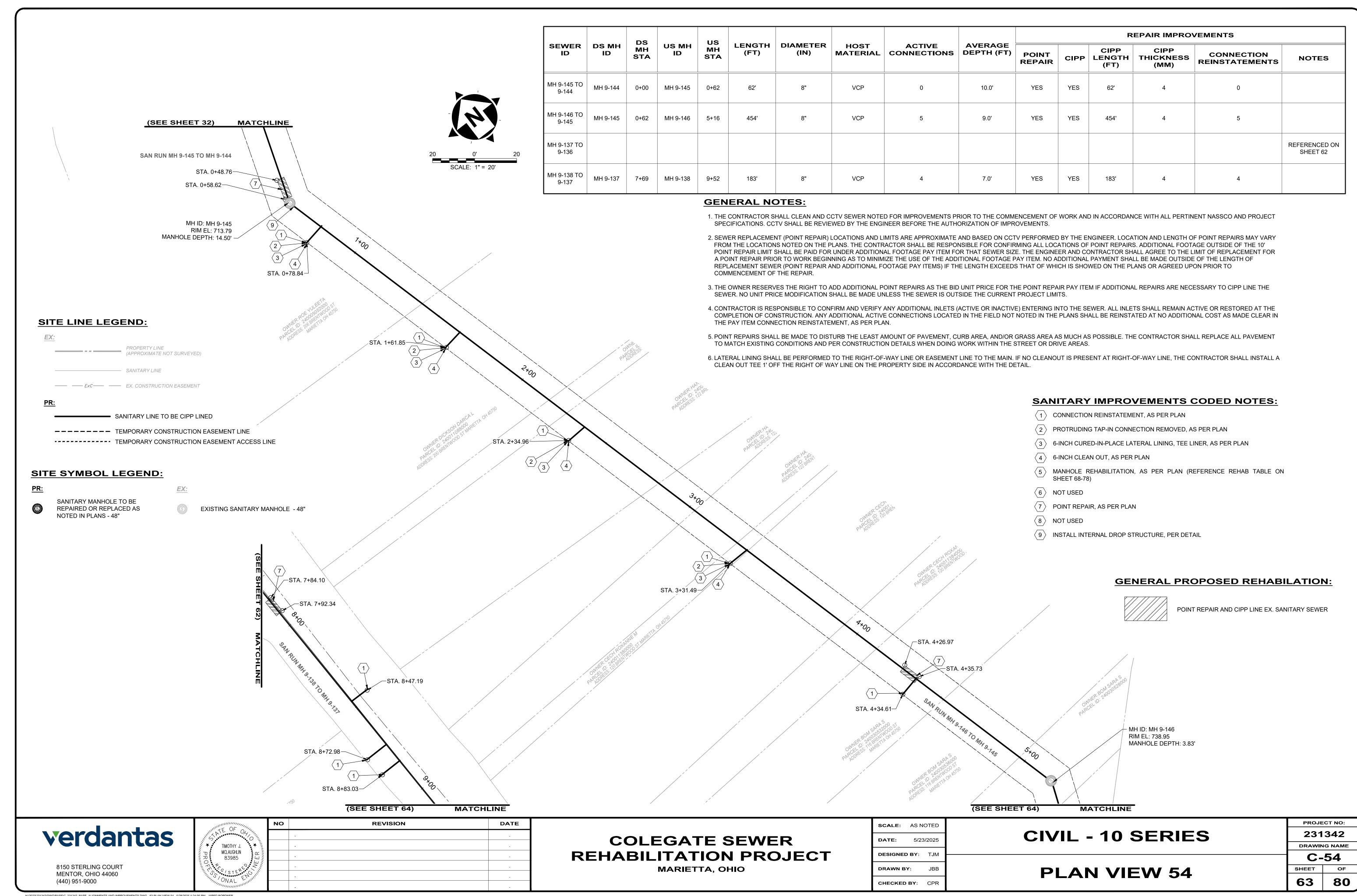
80

- MH ID: MH 9-136 RIM EL: 733.04

MANHOLE DEPTH: 16.00'

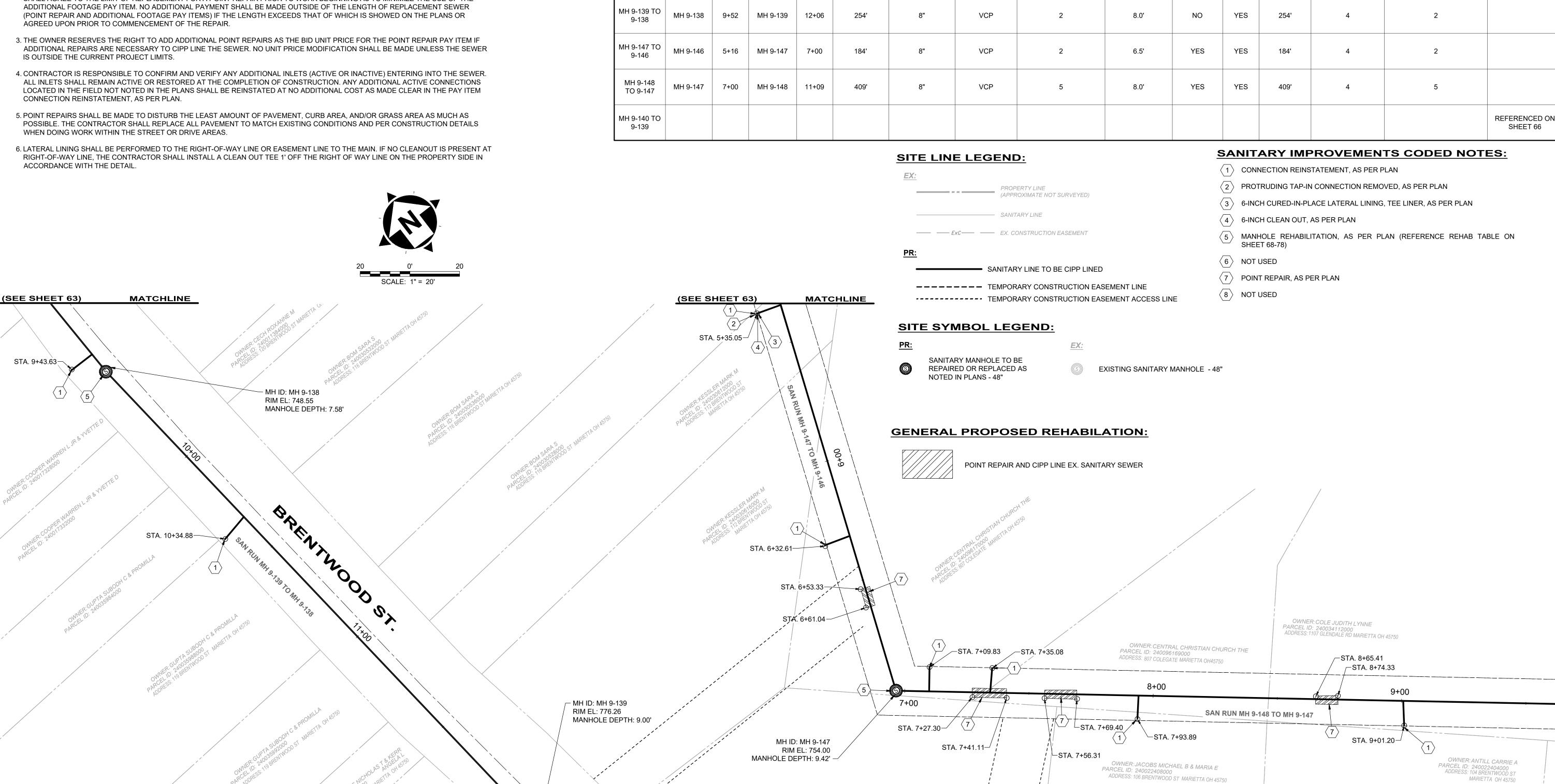
MH ID: MH 9-137 RIM EL: 736.59

MANHOLE DEPTH: 6.00'



- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.

		DS		US						REPAIR IMPROVEMENTS					
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-138 TO 9-137															REFERENCED ON SHEET 63
MH 9-139 TO 9-138	MH 9-138	9+52	MH 9-139	12+06	254'	8"	VCP	2	8.0'	NO	YES	254'	4	2	
MH 9-147 TO 9-146	MH 9-146	5+16	MH 9-147	7+00	184'	8"	VCP	2	6.5'	YES	YES	184'	4	2	
MH 9-148 TO 9-147	MH 9-147	7+00	MH 9-148	11+09	409'	8"	VCP	5	8.0'	YES	YES	409'	4	5	
MH 9-140 TO 9-139															REFERENCED ON SHEET 66



verdantas

8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J. MCLAUGHLIN 83985

REVISION DATE NO

STA. 11+88.66

COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

MATCHLINE

SCALE: AS NOTED DATE: 5/23/2025 DRAWN BY:

CHECKED BY:

CIVIL - 10 SERIES

PLAN VIEW 55

231342 DRAWING NAME C-55 SHEET

80

64

PROJECT NO:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

$\langle 1 \rangle$	CONNECTION REINSTATEMENT, AS PER PLAN
$\langle 2 \rangle$	NOT USED
3	NOT USED
4	NOT USED
(5)	MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 68-78)
6	NOT USED
7	NOT USED
8	NOT USED

SITE LINE LEGEND:

EX:

	PROPERTY LINE (APPROXIMATE NOT SURVEYED)
	—— SANITARY LINE
ExC	EX. CONSTRUCTION EASEMENT
PR:	
	SANITARY LINE TO BE CIPP LINED
	TEMPORARY CONSTRUCTION EASEMENT LINE
	TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

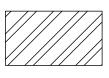
SITE SYMBOL LEGEND:

SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS

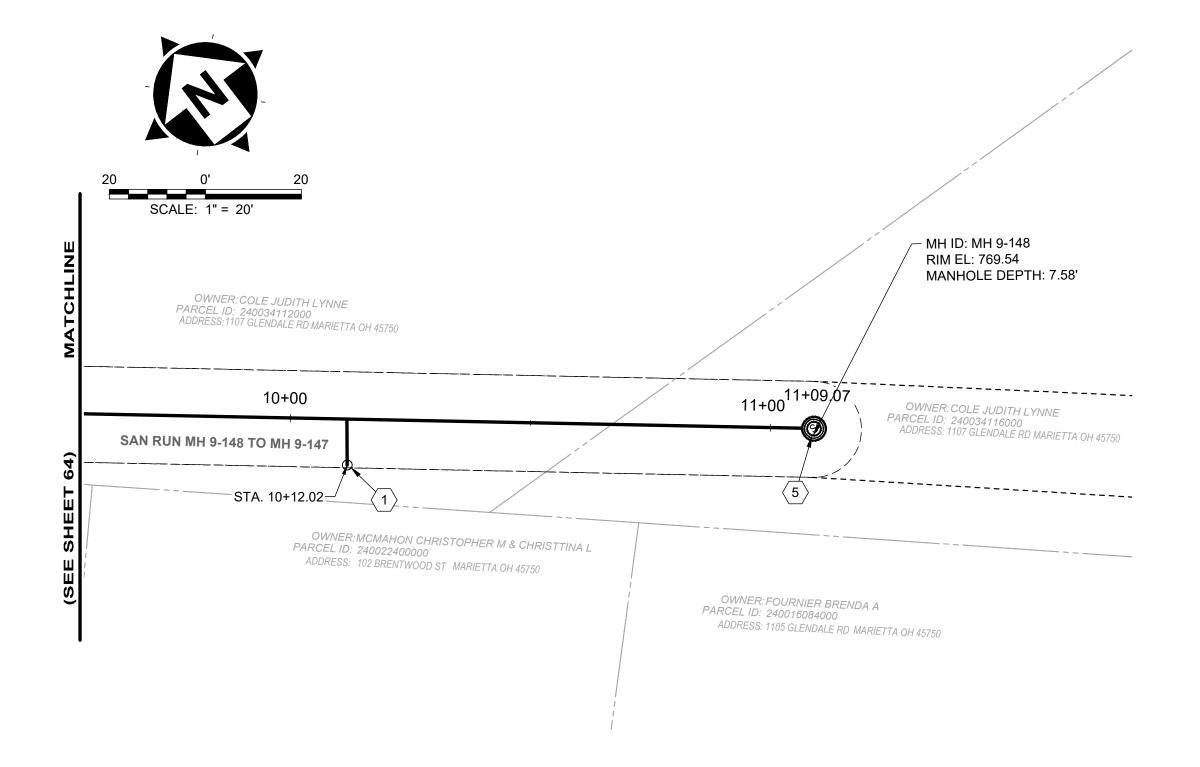
<u>EX:</u>

© EXISTING SANITARY MANHOLE - 48"

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER



		DS		HS						REPAIR IMPROVE			/EMENTS		
SEWER ID	DS MH ID	MH STA	US MH ID	US MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-148 TO 9-147															REFERENCED ON SHEET 64



8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



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COLEGATE SEWER
REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	BY:	ТЈМ	
DRAWN B	Y:	JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

PLAN VIEW 56

PROJECT NO:

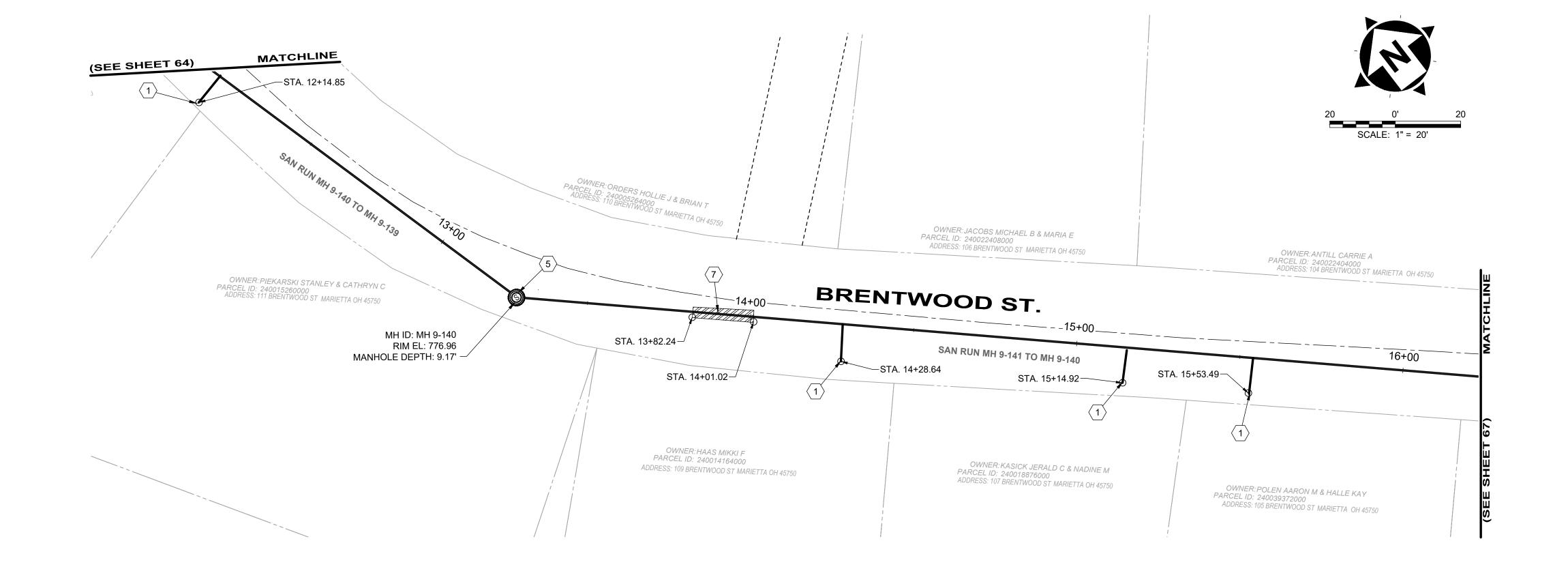
231342

DRAWING NAME

C-56

SHEET OF

65 80



SITE LINE LEGEND:

EX: PROPERTY LINE (APPROXIMATE NOT SURVEYED) ---- SANITARY LINE

--- ExC--- EX. CONSTRUCTION EASEMENT

SANITARY LINE TO BE CIPP LINED

---- TEMPORARY CONSTRUCTION EASEMENT LINE ----- TEMPORARY CONSTRUCTION EASEMENT ACCESS LINE

SITE SYMBOL LEGEND:

EX:

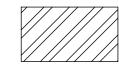
SANITARY MANHOLE TO BE REPAIRED OR REPLACED AS NOTED IN PLANS - 48"

EXISTING SANITARY MANHOLE - 48"

SEWER DS MH

MH 9-140 TO

GENERAL PROPOSED REHABILATION:



POINT REPAIR AND CIPP LINE EX. SANITARY SEWER

GENERAL NOTES:

LENGTH | DIAMETER

(IN)

(FT)

123'

418'

HOST

VCP

VCP

1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.

ACTIVE

MATERIAL | CONNECTIONS | DEPTH (FT)

AVERAGE

9.0'

7.0'

POINT

REPAIR

NO

YES

CIPP

YES

YES

LENGTH

(FT)

123'

418'

- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL LOCATIONS OF POINT REPAIRS. ADDITIONAL FOOTAGE OUTSIDE OF THE 10' POINT REPAIR LIMIT SHALL BE PAID FOR UNDER ADDITIONAL FOOTAGE PAY ITEM FOR THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
- 3. THE OWNER RESERVES THE RIGHT TO ADD ADDITIONAL POINT REPAIRS AS THE BID UNIT PRICE FOR THE POINT REPAIR PAY ITEM IF ADDITIONAL REPAIRS ARE NECESSARY TO CIPP LINE THE SEWER. NO UNIT PRICE MODIFICATION SHALL BE MADE UNLESS THE SEWER IS OUTSIDE THE CURRENT PROJECT LIMITS.
- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
- 5. POINT REPAIRS SHALL BE MADE TO DISTURB THE LEAST AMOUNT OF PAVEMENT, CURB AREA, AND/OR GRASS AREA AS MUCH AS POSSIBLE. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT TO MATCH EXISTING CONDITIONS AND PER CONSTRUCTION DETAILS WHEN DOING WORK WITHIN THE STREET OR DRIVE AREAS.
- 6. LATERAL LINING SHALL BE PERFORMED TO THE RIGHT-OF-WAY LINE OR EASEMENT LINE TO THE MAIN. IF NO CLEANOUT IS PRESENT AT RIGHT-OF-WAY LINE, THE CONTRACTOR SHALL INSTALL A CLEAN OUT TEE 1' OFF THE RIGHT OF WAY LINE ON THE PROPERTY SIDE IN ACCORDANCE WITH THE DETAIL.

SANITARY IMPROVEMENTS CODED NOTES:

NOTES

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- 2 NOT USED

CONNECTION

REINSTATEMENTS

REPAIR IMPROVEMENTS

THICKNESS

(MM)

- 3 NOT USED
- 4 NOT USED
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON SHEET 69.78) SHEET 68-78)
- 6 NOT USED
- $\overline{\left<7\right>}$ POINT REPAIR, AS PER PLAN
- 8 NOT USED

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8150 STERLING COURT MENTOR, OHIO 44060 (440) 951-9000



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US MH

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MH 9-140 13+29

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MH 9-141 TO | MH 9-140 | 13+29 | MH 9-141 | 17+47

COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS N	OTED	
DATE:	5/23	3/2025	
DESIGNE	D BY:	MLT	
DRAWN B	Y:	JBB	
CHECKED	BV.	CPR	

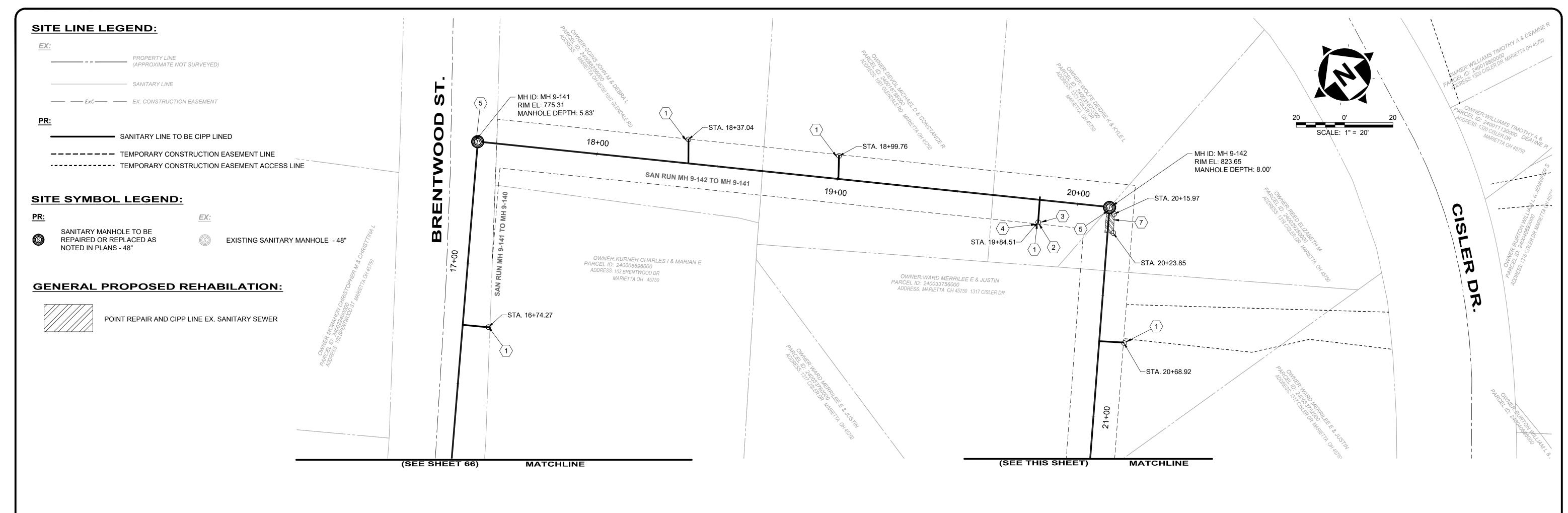
CIVIL - 10 SERIES

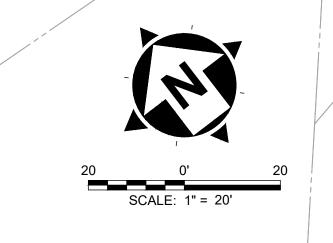
PLAN VIEW 57

231342 DRAWING NAME C-57 SHEET 66 80

PROJECT NO:

H:\2023\231342\DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 66 PLAN VIEW 57 - 5/28/2025 4:24:05 PM - JARED BORDNER





OWNER: MACATOL MATTHEW J & CATHY S

MH ID: MH 9-143

RIM EL: 829.98

MANHOLE DEPTH: 4.42' -

PARCEL ID: 240017344000 ADDRESS: 1307 CISLER DR MARIETTA OH 45750

		DS		us								R	EPAIR IMPRO	VEMENTS	
SEWER ID	DS MH ID	MH STA	US MH ID	MH STA	LENGTH (FT)	DIAMETER (IN)	HOST MATERIAL	ACTIVE CONNECTIONS	AVERAGE DEPTH (FT)	POINT REPAIR	CIPP	CIPP LENGTH (FT)	CIPP THICKNESS (MM)	CONNECTION REINSTATEMENTS	NOTES
MH 9-141 TO 9-140															REFERENCED ON SHEET 66
MH 9-142 TO 9-141	MH 9-141	17+47	MH 9-142	20+12	265'	8"	VCP	3	6.5'	NO	YES	265'	4	3	
MH 9-143 TO 9-142	MH 9-142	20+12	MH 9-143	23+32	320'	8"	VCP	3	6.0'	YES	YES	320'	4	3	

SAN RUN MH 9-143 TO MH 9-142

OWNER: EDWARDS RUSSELL WILLIAM & ANNELLE L

PARCEL ID: 240037692000 ADDRESS: 1315 CISLER DR MARIETTA OH 45750

SANITARY IMPROVEMENTS CODED NOTES:

- (1) CONNECTION REINSTATEMENT, AS PER PLAN
- (2) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN
- \langle 3 \rangle 6-INCH CURED-IN-PLACE LATERAL LINING, TEE LINER, AS PER PLAN
- $\overline{\langle}$ 4 $\overline{\rangle}$ 6-INCH CLEAN OUT, AS PER PLAN
- MANHOLE REHABILITATION, AS PER PLAN (REFERENCE REHAB TABLE ON
- 6 NOT USED
- $\overline{7}$ POINT REPAIR, AS PER PLAN
- 8 NOT USED

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL CLEAN AND CCTV SEWER NOTED FOR IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK AND IN ACCORDANCE WITH ALL PERTINENT NASSCO AND PROJECT SPECIFICATIONS. CCTV SHALL BE REVIEWED BY THE ENGINEER BEFORE THE AUTHORIZATION OF IMPROVEMENTS.
- 2. SEWER REPLACEMENT (POINT REPAIR) LOCATIONS AND LIMITS ARE APPROXIMATE AND BASED ON CCTV PERFORMED BY THE ENGINEER. LOCATION AND LENGTH OF POINT REPAIRS MAY VARY FROM THE LOCATIONS NOTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL THAT SEWER SIZE. THE ENGINEER AND CONTRACTOR SHALL AGREE TO THE LIMIT OF REPLACEMENT FOR A POINT REPAIR PRIOR TO WORK BEGINNING AS TO MINIMIZE THE USE OF THE ADDITIONAL FOOTAGE PAY ITEM. NO ADDITIONAL PAYMENT SHALL BE MADE OUTSIDE OF THE LENGTH OF REPLACEMENT SEWER (POINT REPAIR AND ADDITIONAL FOOTAGE PAY ITEMS) IF THE LENGTH EXCEEDS THAT OF WHICH IS SHOWED ON THE PLANS OR AGREED UPON PRIOR TO COMMENCEMENT OF THE REPAIR.
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- 4. CONTRACTOR IS RESPONSIBLE TO CONFIRM AND VERIFY ANY ADDITIONAL INLETS (ACTIVE OR INACTIVE) ENTERING INTO THE SEWER. ALL INLETS SHALL REMAIN ACTIVE OR RESTORED AT THE COMPLETION OF CONSTRUCTION. ANY ADDITIONAL ACTIVE CONNECTIONS LOCATED IN THE FIELD NOT NOTED IN THE PLANS SHALL BE REINSTATED AT NO ADDITIONAL COST AS MADE CLEAR IN THE PAY ITEM CONNECTION REINSTATEMENT, AS PER PLAN.
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8150 STERLING COURT

MENTOR, OHIO 44060

(440) 951-9000

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23+32.57 5

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ADDRESS: 1313 CISLER DR MARIETTA OH 45750

—STA. 23+22.82 PARCEL ID: 240026896000

-STA. 22+98.54

COLEGATE SEWER REHABILITATION PROJECT **MARIETTA, OHIO**

SCALE: AS NOTED **DATE:** 5/23/2025 **DESIGNED BY:** TJM DRAWN BY:

CHECKED BY: CPR

CIVIL - 10 SERIES

231342 DRAWING NAME **C-58** SHEET

67

PROJECT NO:

80

PLAN VIEW 58

			CHIMNEY	CONE		WALL	BENCH					REPAIR IMPROVE	MENTS	
MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 8-1	7.6	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-2	5.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-3	6.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-4	7.7	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-5	8.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-6	7.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-7	16.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-8	18.5	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-10	5.5	24.0000	BRICK	NOT PRESENT	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 8-11	3.8	24.0000	BRICK	CONCRETE (PRECAST)	24	CONCRETE (PRECAST)	YES	DIRT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 8-11A	4.5	24.0000	EPOXY	EPOXY	24	EPOXY	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 8-12	6.0	24	BRI CK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-12A	6.0	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-13	4.5	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 8-13A	6.5	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 8-14	7.3	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-14A	10.6	24.0000	CONCRETE (PRECAST)	NOT PRESENT	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 8-15	16.3	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-15A	17.5	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 8-16	4.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	NO WORK TO BE PERFORMED	STRUCTURAL LINING PER 330130.81
MH 8-17	16.4	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 8-18	16.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-19	7.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 8-20	6.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81

8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (1 OF 12)

PROJECT NO: 231342 DRAWING NAME C-59 SHEET OF

68 80

 $H.\c2023\c231342\c2000\c3000\c2000$

		CHIMNEY								REPAIR IMPROVEMENTS					
RIM TO INVERT (Ft)	COVER SIZE	MATERIAL	CONE MATERIAL	WALL DIAMETER	WALL MATERIAL	BENCH PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH		
4.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
3.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	24	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
2.3	24.0000	NOT PRESENT	NOT PRESENT	24	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
4.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
5.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
3.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
4.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
3.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
3.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
9.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
7.6	24.0000	RUBBER	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
5.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
8.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
6.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
7.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
6.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
8.1	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	BRICK	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
6.6	24.0000	BRICK	BRICK	48	BRICK	NO	NOT PRESENT	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION		
7.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
6.5	24.0000	CONCRETE (PRECAST)	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
10.0	24.0000	BRICK	BRICK	36	BRICK	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A		
3.7	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
4.4	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81		
	3.3 2.3 4.1 5.5 3.8 4.2 3.2 3.9 9.1 7.6 5.3 8.5 6.3 7.8 6.8 8.1 6.6 7.3 6.5 10.0	3.3 24.0000 2.3 24.0000 4.1 24.0000 5.5 24.0000 3.8 24.0000 3.2 24.0000 3.9 24.0000 7.6 24.0000 5.3 24.0000 6.3 24.0000 6.3 24.0000 7.8 24.0000 6.8 24.0000 6.6 24.0000 7.3 24.0000 6.5 24.0000 7.3 24.0000 7.3 24.0000 7.3 24.0000 7.3 24.0000 7.3 24.0000 7.3 24.0000 7.3 24.0000	4.5 24.0000 CONCRETE (PRECAST) 3.3 24.0000 NOT PRESENT 4.1 24.0000 CONCRETE (PRECAST) 5.5 24.0000 CONCRETE (PRECAST) 3.8 24.0000 CONCRETE (PRECAST) 4.2 24.0000 CONCRETE (PRECAST) 3.2 24.0000 CONCRETE (PRECAST) 3.9 24.0000 CONCRETE (PRECAST) 9.1 24.0000 CONCRETE (PRECAST) 7.6 24.0000 RUBBER 5.3 24.0000 CONCRETE (PRECAST) 5.3 24.0000 CONCRETE (PRECAST) 6.3 24.0000 CONCRETE (PRECAST) 7.6 24.0000 CONCRETE (PRECAST) 6.7 24.0000 CONCRETE (PRECAST) 6.8 24.0000 CONCRETE (PRECAST) 6.9 24.0000 CONCRETE (PRECAST) 6.1 24.0000 CONCRETE (PRECAST) 6.2 24.0000 CONCRETE (PRECAST) 6.3 24.0000 CONCRETE (PRECAST) 6.4 24.0000 CONCRETE (PRECAST) 6.5 24.0000 BRICK 7.7 24.0000 BRICK 7.8 24.0000 CONCRETE (PRECAST) 6.9	4.5 24.0000 CONCRETE (PRECAST) 3.3 24.0000 NOT PRESENT NOT PRESENT 4.1 24.0000 CONCRETE (PRECAST) 5.5 24.0000 CONCRETE (PRECAST) 6.5 24.0000 CONCRETE (PRECAST) 7.6 CONCRETE (PRECAST) 7.6 CONCRETE (PRECAST) 7.6 CONCRETE (PRECAST) 7.6 CONCRETE (PRECAST) 7.7 CONCRETE (PRECAST) 8.5 CONCRETE (PRECAST) 8.5 CONCRETE (PRECAST) 8.6 CONCRETE (PRECAST) 6.7 CONCRETE (PRECAST) 7.8 CONCRETE (PRECAST) 6.8 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.0 CONCRETE (PRECAST) 6.1 CONCRETE (PRECAST) 6.2 CONCRETE (PRECAST) 6.3 CONCRETE (PRECAST) 6.4 CONCRETE (PRECAST) 6.5 CONCRETE (PRECAST) 6.6 CONCRETE (PRECAST) 6.7 CONCRETE (PRECAST) 6.8 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.0 CONCRETE (PRECAST) 6.1 CONCRETE (PRECAST) 6.2 CONCRETE (PRECAST) 6.3 CONCRETE (PRECAST) 6.4 CONCRETE (PRECAST) 6.5 CONCRETE (PRECAST) 6.6 CONCRETE (PRECAST) 6.7 CONCRETE (PRECAST) 6.8 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.0 CONCRETE (PRECAST) 6.1 CONCRETE (PRECAST) 6.2 CONCRETE (PRECAST) 6.3 CONCRETE (PRECAST) 6.4 CONCRETE (PRECAST) 6.5 CONCRETE (PRECAST) 6.6 CONCRETE (PRECAST) 6.7 CONCRETE (PRECAST) 6.8 CONCRETE (PRECAST) 6.8 CONCRETE (PRECAST) 6.9 CONCRETE (PRECAST) 6.0 CONCRETE (PRECAST) 6.0 CONCRETE (PRECAST) 6.0 CONCR	4.5 24,0000 CONCRETE (PRECAST) 48 3.3 24,0000 NOT PRESENT NOT PRESENT 24 2.3 24,0000 NOT PRESENT NOT PRESENT 24 4.1 24,0000 CONCRETE (PRECAST) (PRECAST) 48 6.5 24,0000 CONCRETE (PRECAST) (PRECAST) 48 3.8 24,0000 CONCRETE (PRECAST) (PRECAST) 48 4.2 24,0000 CONCRETE (PRECAST) 48 4.2 24,0000 CONCRETE (PRECAST) 48 3.3 2 40,0000 CONCRETE (PRECAST) 48 3.0 CONCRETE (PRECAST) 48 3.1 24,0000 CONCRETE (PRECAST) 48 3.2 CONCRETE (PRECAST) 48 3.3 CONCRETE (PRECAST) 48 3.4 CONCRETE (PRECAST) 48 3.5 CONCRETE (PRECAST) 48 3.6 CONCRETE (PRECAST) 48 3.7 24,0000 CONCRETE CONCRETE (PRECAST) 48 3.7 24,0000 BRICK BRICK 48	19	4.5 24.0003 COMORPTE COMO	10	10	Company Comp	ALIGN		A		



8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED DESIGNED BY: TJM DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (2 OF 12)

PROJE	ECT NO:							
231342								
DRAWIN	IG NAME							
C-	60							
SHEET	OF							

MANUOLE ID	RIM TO INVERT (Ft)	00VED 017E	CHIMNEY	CONE MATERIAL	WALL DIAMETED	WALL MATERIAL	DENOU DESCENT	DENCHMATERIAL	IMPROVEMENT TYPE			REPAIR IMPROVEME	ENTS	
MANHOLE ID	RIW TO INVERT (FL)	COVER SIZE	MATERIAL	CONE MATERIAL	WALL DIAMETER	WALL MATERIAL	BENCH PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-21	3.8	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-22	5.5	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-23	7.8	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-24	8.9	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-25	5.9	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 9-26	5.8	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-27	8.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-28	7.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-29	8.8	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-30	13.2	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-31	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-33	8.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-33A	6.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-33B	5.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-33C	8.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-33CA	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-33D	8.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-33E	9.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-34	9.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-35	6.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-35A	7.2	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-35B	6.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-35C	6.6	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-36	10.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-37	7.8	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
	•													

8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (3 OF 12)

PROJE	CT NO:
231	342
DRAWIN	IG NAME
C-	61
SHEET	OF

March Marc				CHIMNEY								REPAIR IMPROVEMEN	тѕ	N/A N/A N/A N/A N/A N/A N/A N/A	
Part	MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	MATERIAL	CONE MATERIAL	WALL DIAMETER	WALL MATERIAL	BENCH PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
	MH 9-38	8.7	24.0000	BRICK		60		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Marie 1	MH 9-39	5.5	24.0000	CONCRETE (PRECAST)		48		NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
	MH 9-39A	4.1	24.0000	CONCRETE (PRECAST)		48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Western 1-	MH 9-39B	6.2	24.0000	CONCRETE (PRECAST)		48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Married 14 100000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 10000000 10000000 10000000 10000000 10000000 10000000 100000000	MH 9-39C	6.2	24.0000	CONCRETE (PRECAST)		48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
March Marc	MH 9-39D	6.2	24.0000			48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Market 10	MH 9-39E	4.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Ministry S. A. W. Confered Security Securit	MH 9-39F	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
March Marc	MH 9-39G	5.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
Min	MH 9-39GA	5.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MIT 10 10 10 10 10 10 10 1	MH 9-39H	5.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MIT-SHEET 10	MH 9-39I	4.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MR 9-30L 9.0 24,000 CONCRETE CONCR	MH 9-39J	5.8	24.0000	CONCRETE (PRECAST)		48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
PARTICIPATE 10 PARTICIPATE	MH 9-39K	5.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-38P0 49 24.0000 (PRECAST) (PRECAST) 60 (PRECAST) NO NOT PRESENT NO REPAIR NA	MH 9-39L	3.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-390 7.6 24,0000 CONCRETE CONCRETE OFFICEAST 00 CONCRETE OFFICEAST NO NOT PRESENT NO REPAIR NA NA NA NA NA NA NA N	MH 9-39M	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39P	MH 9-39N	4.9	24.0000	CONCRETE (PRECAST)		60		NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39P 58 24 0000 (PRECAST) (PRECAST) 48 (CONCRETE (PRECAST) YES CONCRETE (CAST IN PLACE) NO REPAIR NIA NI	MH 9-39O	7.6	24.0000			60	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39R 4.1 24.0000 CONCRETE CONCRETE (PRECAST) 48 CONCRETE (PRECAST) YES CONCRETE (PRECAST) NO REPAIR N/A	MH 9-39P	5.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48		NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39S 8.2 24.0000 (PRECAST) (PRECAST) 48 (PRECAST) YES CONCRETE (PRECAST) NO REPAIR MH 9-39S 8.2 24.0000 CONCRETE (PRECAST) 48 CONCRETE (PRECAST) YES CONCRETE (PRECAST) NO REPAIR N/A N/A N/A N/A N/A N/A N/A N/	MH 9-39Q	4.5	24.0000			48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-395 8.2 24.0000 (PRECAST) (PRECAST)	MH 9-39R	4.1	24.0000			48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
WIT 9-391 7.0 (PRECAST) (PRECA	MH 9-39S	8.2	24.0000	CONCRETE (PRECAST)		48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39U 7.0 CONCRETE CONCRETE CONCRETE (CAST IN PLACE) NO REPAIR N/A N/A N/A N/A N/A N/A	MH 9-39T	7.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48		YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
(FRECAST)	MH 9-39U	7.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A

8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

TIMOTHY J.

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (4 OF 12) PROJECT NO:

231342

DRAWING NAME

C-62

SHEET OF

MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	CHIMNEY	CONE	WALL DIAMETER	WALL	BENCH	BENCH MATERIAL	IMPROVEMENT TYPE					
MANHOLE ID	KIM TO INVERT (Ft)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-39V	5.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39V1	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39V2	5.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39W	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39X	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39Y	7.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-39Z	9.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-40	5.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-40A	8.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-41	7.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-41A	7.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-43	6.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 9-44	6.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-45	8.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-46	9.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-47	7.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 9-48	6.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-49	6.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-50	7.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-51	7.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 9-52	5.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-53	5.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-54	6.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-55	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-56	4.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-56A	4.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
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8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

SCALE: AS NOTED

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (5 OF 12)

PROJE	ECT NO:
231	342
DRAWIN	IG NAME
C-	63

MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	CHIMNEY	CONE	WALL DIAMETER	WALL	BENCH	BENCH MATERIAL	IMPROVEMENT TYPE			REPAIR IMPROVEM	ENTS	
MANHOLE ID	KIM TO INVERT (I t)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAWIETER	MATERIAL	PRESENT	DENCH MATERIAL	IMPROVEMENT TIPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-56B	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57	8.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57A	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57B	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57C	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57D	4.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57E	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57-1A	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57-1B	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57-1C	4.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-57-1D	4.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-58	7.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-58A	6.0	24.0000	BRICK	BRICK	48	BRICK	NO	NOT PRESENT	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-58B	6.0	24.0000	BRICK	BRICK	48	BRICK	NO	NOT PRESENT	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-59	5.4	24.0000	BRICK	BRICK	48	BRICK	NO	NOT PRESENT	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-59A	6.0	24.0000	BRICK	BRICK	48	BRICK	NO	NOT PRESENT	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-60	8.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-61	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-62	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-63	6.7	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-64	9.0	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-65	6.2	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-66	10.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-67	6.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-68	3.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-69	7.5	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
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8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

DATE: 5/23/2025 DESIGNED BY: TJM DRAWN BY: JBB

CHECKED BY: CPR

SCALE: AS NOTED

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (6 OF 12)

PROJECT NO: 231342 DRAWING NAME C-64 SHEET OF

73 80

H:2023\231342\DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 73 MANHOLE IMPROVEMENT SCHEDULE (6 OF 12) - 5/28/2025 4:24:05 PM - JARED BORDNER

				CHIMNEY	CONE		WALL	BENCH					REPAIR IMPROVEM	ENTS	
Part	MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	I .		WALL DIAMETER			BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
March 1	MH 9-70	9.2	24.0000	BRICK	BRICK	36	BRICK	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
1	MH 9-71	7.4	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
Property	MH 9-72	9.6	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
March 16	MH 9-73	16.7	24.0000			60		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
March Marc	MH 9-75	16.8	24.0000			48		YES	CONCRETE (CAST IN PLACE)	REPAIR		REMOVE			
March Marc	MH 9-78	11.8	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
1984 1	MH 9-79B	11.3	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
March 1	MH 9-79A	11.3	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
March Marc	MH 9-80	12.3	24.0000	BRICK	CONCRETE (PRECAST)	48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
March 10 10 10 10 10 10 10 1	MH 9-79	13.1	24.0000	CONCRETE (PRECAST)		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
Middle	MH 9-80	12.3	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
No. 1.00 1	MH 9-80A	12.8	24.0000	BRICK	CONCRETE (PRECAST)	48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
## 1982 18 2000 FRICK 1982 1880	MH 9-81	4.1	24.0000	BRICK	BRICK	36	BRICK	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MINES 10 10 10 10 10 10 10 1	MH 9-81A	10.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48.00		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
MINAN 76 24000 SPICE BROW 48 SPICE VES CONCERT (ART NEARS) REPLACE NA NEW CONCERT CANNOT READ READ READ READ READ READ READ READ	MH 9-82	8.0	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR		REMOVE			
MR 946 75	MH 9-83	8.0	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (PRECAST)	REPAIR		REMOVE			
Miles 1.5	MH 9-84	7.5	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 948 4.0 24.000 CONCRETE CONCRETE CONCRETE (PRECAST) VED CONCRETE (PRECAST) VED CONCRETE (PRECAST) NO SPECIAL NAME OF SPECIA	MH 9-85	7.5	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR		REMOVE			
MM 948 3.5 24,000 CONCRETE CONCRET	MH 9-86	5.5	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE			
MH 9-90	MH 9-88	4.8	24.0000	CONCRETE (PRECAST)		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
## 999 4.1 24,0000 BRICK CONCRETE (PRECAST) 48 CONCRETE (PRECAST) 48 CONCRETE (CAST IN PLACE) REPAIR PREPRINCE TO LINING NO STEPS CHIMNEY SEAL PER 30/303.81 30/30.81 30/30.81 30/30.81 30/30.81 ## 991 3.5 24,0000 BRICK CONCRETE (PRECAST) 48 CONCRETE (CAST IN PLACE) REPAIR GROUT AROUND EXISTING NO STEPS CHIMNEY SEAL PER 30/303.81 STRUCTURAL LINING PER 30/303.81 30/30.81 30/30.81 ## 992 4.2 24,0000 BRICK CONCRETE (PRECAST) 48 CONCRETE (CAST IN PLACE) REPAIR GROUT AROUND EXISTING NO STEPS CHIMNEY SEAL PER 30/30.81 STRUCTURAL LINING PER 30/30.81 30/30.81 30/30.81 ## 993 4.2 24,0000 BRICK CONCRETE (PRECAST) 48 CONCRETE (CAST IN PLACE) REPAIR GROUT AROUND EXISTING NO STEPS CHIMNEY SEAL PER 30/30.81 STRUCTURAL LINING PER 30/30.81 30/30.81 30/30.81 30/30.81 ## 994 10.8 24,0000 BRICK CONCRETE (PRECAST) 48 CONCRETE (CAST IN PLACE) REPAIR GROUT AROUND EXISTING NO STEPS CHIMNEY SEAL PER 30/30.81 STRUCTURAL LINING PER 30/30.81 30/	MH 9-89	3.5	24.0000	CONCRETE (PRECAST)		36		YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-91 9.5 24.0000 BRICK (PRECAST) 48 (PRECAST) YES CONCRETE (CAST IN PLACE) REPAIR PIPES PRIOR TO LINING NO STEPS STRUCTURAL LINING PER 330130.81 330130.8	MH 9-90	4.1	24.0000			48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
## 9-92	MH 9-91	3.5	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
MH 9-94 10.8 24.0000 BRICK (PRECAST) 48 (PRECAST) 48 (CONCRETE (PRECAST)) 48 (MH 9-92	6.7	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
MH 9-94 10.8 24.0000 BRICK (PRECAST) 48 (PRECAST) YES CONCRETE (CAST IN PLACE) REPAIR PIPES PRIOR TO LINING NO STEPS 330130.81	MH 9-93	4.2	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
MH 9-95 MH 9-96 MH	MH 9-94	10.8	24.0000	BRICK		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
PIPES PRIOR TO LINING NO STEPS 330130.81 330130.81 330130.81 330130.81 330130.81 330130.81 330130.81	MH 9-95	8.3	24.0000	CONCRETE (PRECAST)		48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
	MH 9-96	7.5	24.0000			48		YES	CONCRETE (CAST IN PLACE)	REPAIR		NO STEPS			
PIPES PRIOR TO LINING 330130.81 330130.81 330130.81	MH 9-97	11.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81

8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025

DESIGNED BY: TJM DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

PROJECT NO: 231342 DRAWING NAME C-65 SHEET OF

74 80

MANHOLE IMPROVEMENT SCHEDULE (7 OF 12)

MANHOLE ID	RIM TO INVERT (Ft)	COVED SIZE	CHIMNEY	CONE	WALL DIAMETER	WALL	BENCH	DENICH MATERIAL	IMPROVEMENT TYPE			REPAIR IMPROVEMENTS		
MANHOLE ID	RIM TO INVERT (FL)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-98	7.4	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-98A	6.4	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-98B	11.0	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-98C	5.4	24.0000	BRICK	BRICK	48	BRICK	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-98D	4.7	24.0000	CONCRETE (PRECAST)	BRICK	48	BRICK	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-98E	4.7	24.0000	CONCRETE (PRECAST)	BRICK	36	BRICK	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-99	11.8	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-100	7.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-101	8.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-102	12.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-103	6.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-104	13.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-106	8.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-107	5.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-108	4.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-109	3.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-110	4.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPLACE	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-111	4.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-112	4.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-113	9.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-114	10.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-115	4.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-116	15.3	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-117	5.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-119	10.3	24.0000	BRICK	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-120	7.7	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-121	11.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-122	5.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
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8150 STERLING COURT MENTOR, OHIO 44060

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COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

DATE: 5/23/2025 DESIGNED BY: TJM DRAWN BY: JBB CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (8 OF 12)

PROJECT NO: 231342 DRAWING NAME C-66 SHEET

75 80

H:120231231342;DWG\BASE\C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 75 MANHOLE IMPROVEMENT SCHEDULE (8 OF 12) - 5/28/2025 4:24:05 PM - JARED BORDNER

MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	CHIMNEY	CONE	WALL DIAMETER	WALL	BENCH	BENCH MATERIAL	IMPROVEMENT TYPE			REPAIR IMPROVEM	ENTS	
	, ,		MATERIAL	MATERIAL		MATERIAL	PRESENT			CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-123	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	24	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-125	10.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-126	5.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-127	10.8	24.0000	BRICK	BRICK	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-128	10.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-129	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-130	12.4	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-131	10.6	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-132	7.7	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-133	8.5	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-134	6.6	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-135	5.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-136	16.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-137	6.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-138	7.6	24.0000	BRICK	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-139	9.0	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-140	9.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-141	5.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-142	8.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-143	4.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-144	6.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	N/A	N/A	N/A	N/A	N/A
MH 9-145	14.6	24.0000	BRICK	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-146	3.9	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-147	9.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-148	7.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	RECONSTRUCTION
MH 9-149	4.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	NO WORK TO BE PERFORMED
MH 9-150	5.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-151	11.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPLACE	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81

8150 STERLING COURT MENTOR, OHIO 44060

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

SCALE:	AS NOTED
DATE:	5/23/2025
DESIGNE	DBY: TIM

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT
SCHEDULE (9 OF 12)

DRAWING NAME

C-67

SHEET OF

76 80

PROJECT NO:

231342

DRAWING NAME

C-67

MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	CHIMNEY	CONE	WALL DIAMETER	WALL	BENCH	BENCH MATERIAL	IMPROVEMENT TYPE	REPAIR IMPROVEMENTS				
MANHOLE ID	KIN TO HAVERT (I t)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	DENOR MATERIAL	IMPROVEMENT THE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-152	5.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-154	8.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-155	7.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-157	12.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-158	14.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-159	9.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-160	12.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-161	3.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-162	4.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	STRUCTURAL LINING PER 330130.81
MH 9-163	3.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	STRUCTURAL LINING PER 330130.81
MH 9-164	3.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-165	6.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-166	6.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-167	10.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	REMOVE	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-168	7.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	NO WORK TO BE PERFORMED	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-169	10.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-170	8.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-171	6.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-172	9.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	REPAIR	GROUT AROUND EXISTING PIPES PRIOR TO LINING	NO STEPS	CHIMNEY SEAL PER 330130.81	STRUCTURAL LINING PER 330130.81	STRUCTURAL LINING PER 330130.81
MH 9-200	3.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-201	4.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-202	6.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-203	6.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-204	6.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-205	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-205A	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A

8150 STERLING COURT MENTOR, OHIO 44060

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TIMOTHY J.

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COLEGATE SEWER
REHABILITATION PROJECT
MARIETTA, OHIO

SCALE: AS NOTED

DATE: 5/23/2025

DESIGNED BY: TJM

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT
SCHEDULE (10 OF 12)

PROJECT NO:

231342

DRAWING NAME

C-68

77 80

SHEET

H:2023;231342;DWG;BASE;C_231342_BASE_ALIGNMENTS AND IMPROVEMENTS.DWG - 77 MANHOLE IMPROVEMENT SCHEDULE (10 OF 12) - 5/28/2025 4:24:05 PM - JARED BORDNER

			CHIMNEY	CONE		WALL	BENCH				REPAIR IMPROVEMENTS			
MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-206	4.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-207	4.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-208	7.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-209	3.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-210	9.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-211	7.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-212	5.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-213	4.7	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	36	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-213A	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-213B	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-213C	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-214	5.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-215	4.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-216	3.8	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-216A	6.1	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-217	3.6	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-218	4.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-218A	7.2	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-219	10.3	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-220	5.4	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-221	3.5	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (PRECAST)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-222	7.0	24.0000	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A

8150 STERLING COURT MENTOR, OHIO 44060

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

DATE: 5/23/2025 DESIGNED BY: TJM	SCALE:	AS N	OTED	
DESIGNED BY: TJM	DATE:	5/23	3/2025	
	DESIGNE	D BY:	TJM	

DRAWN BY: JBB

CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (11 OF 12)

PROJECT NO:					
231	342				
DRAWING NAME					
C-	69				
SHEET	OF				

	DIM TO INVEDT (E4)	00/50 0175	CHIMNEY	CONE		WALL	BENCH			REPAIR IMPROVEMENTS				
MANHOLE ID	RIM TO INVERT (Ft)	COVER SIZE	MATERIAL	MATERIAL	WALL DIAMETER	MATERIAL	PRESENT	BENCH MATERIAL	IMPROVEMENT TYPE	CONNECTIONS STEPS	STEPS	CHIMNEY	WALL	INVERT OR BENCH
MH 9-223	11.0	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-223A	5.6	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-224	9.8	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-225	7.8	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-226	9.3	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-226A	8.5	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	NO	NOT PRESENT	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-227	11.3	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-228	9.5	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-228A	8.4	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	48	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A
MH 9-229	6.2	24	CONCRETE (PRECAST)	CONCRETE (PRECAST)	60	CONCRETE (PRECAST)	YES	CONCRETE (CAST IN PLACE)	NO REPAIR	N/A	N/A	N/A	N/A	N/A

8150 STERLING COURT MENTOR, OHIO 44060

(440) 951-9000

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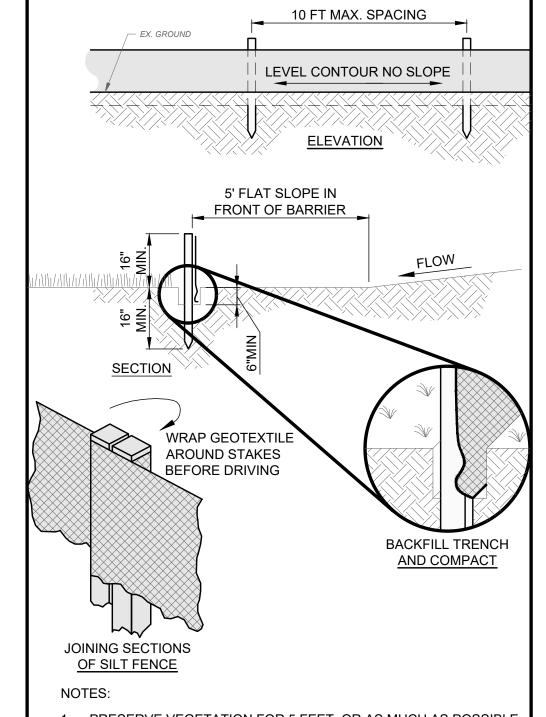
COLEGATE SEWER REHABILITATION PROJECT MARIETTA, OHIO

SCALE: AS NOTED **DATE:** 5/23/2025 DESIGNED BY: TJM DRAWN BY: JBB CHECKED BY: CPR

CIVIL - 10 SERIES

MANHOLE IMPROVEMENT SCHEDULE (12 OF 12)

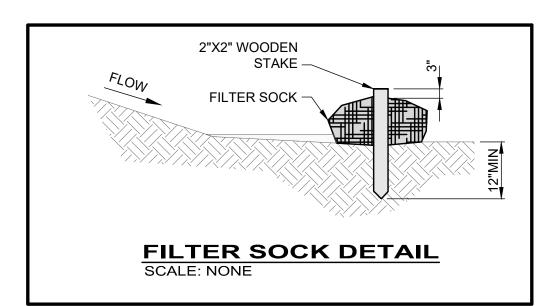
PROJECT NO: 231342 DRAWING NAME C-70 SHEET OF

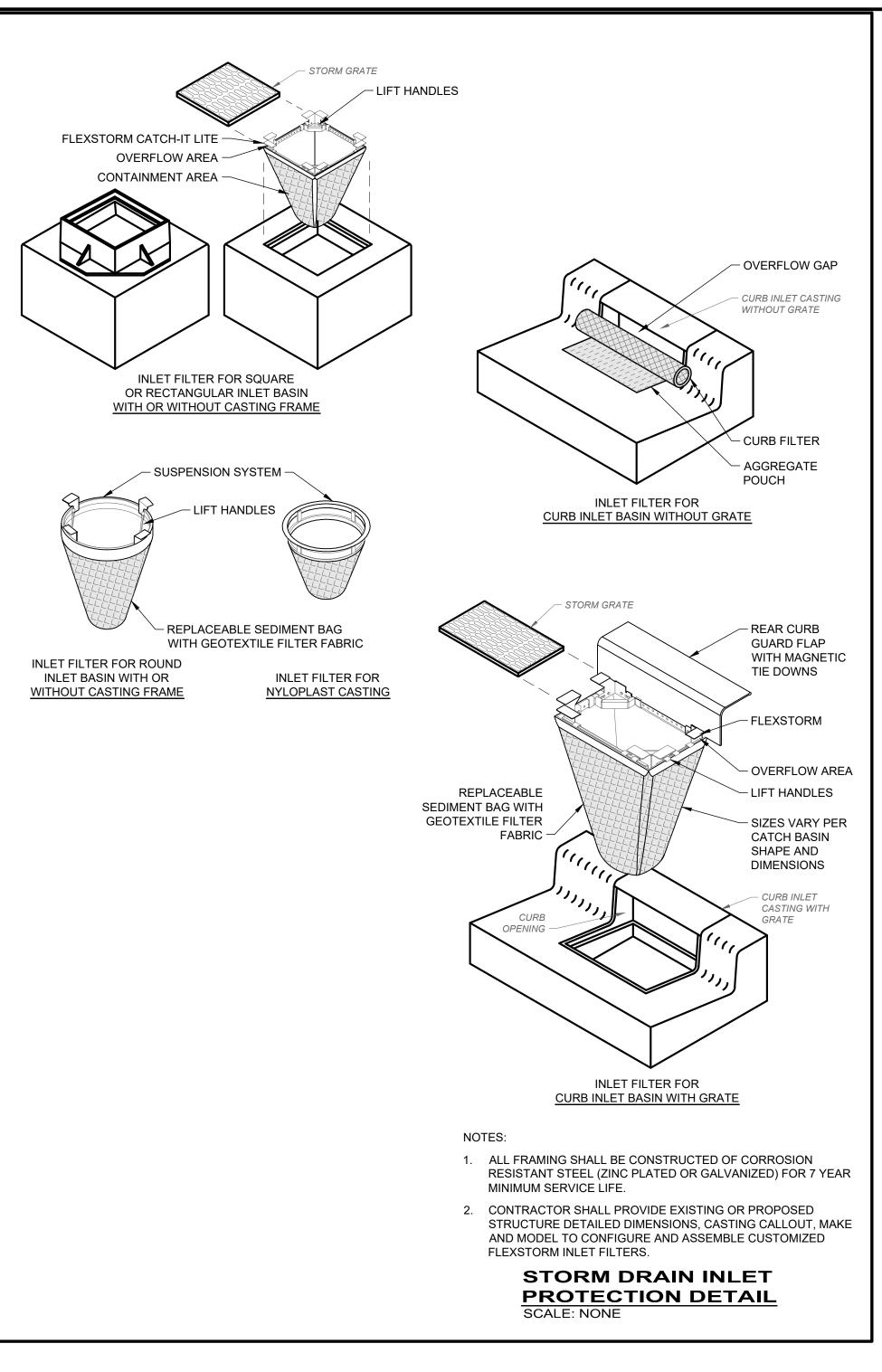


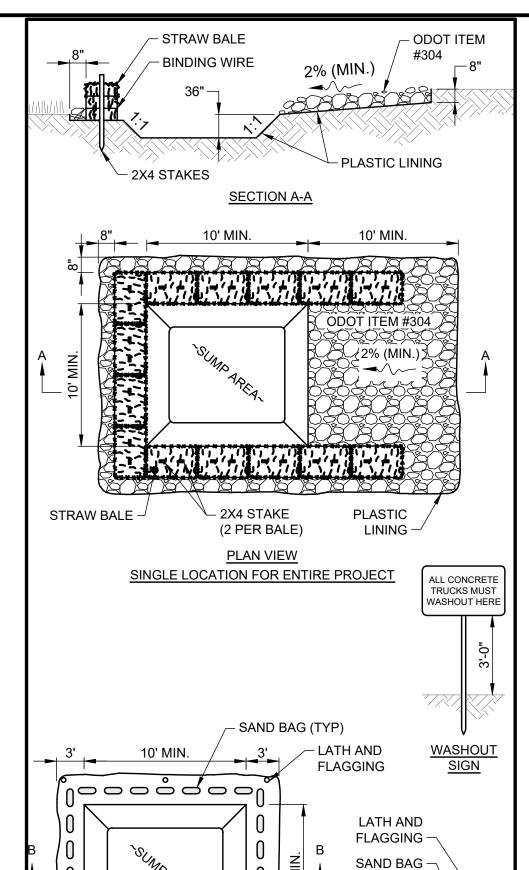
- PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
- 2. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
- CHANGE THE LAYOUT OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT.
- INSTALL OTHER PRACTICES.

FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

SILT FENCE
SCALE: NONE







PLASTIC LINING —

PLAN VIEW

SECTION B-B

TEMPORARY LOCATION FOR MULTIPLE PHASE PROJECT

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PLASTIC

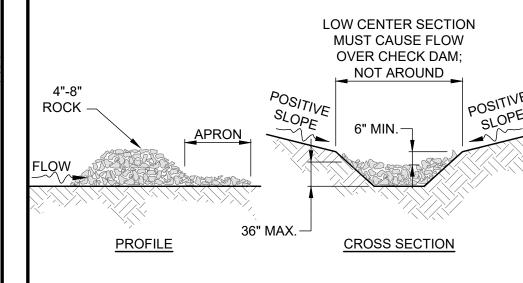
(MIN)

LINING

NOTES:

- 1. WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
- 2. ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN THE CONCRETE WASHOUT AREA. DISPOSAL OF EXCESS CONCRETE OR CONCRETE WASHOUT ON THE GROUND, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.
- CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.
- 4. IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE.
- 5. PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-ML POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS.
- 6. CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
- CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOWS.
- PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE, BUT MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE.
- CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND TO DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OR REPLACED WHEN IT IS 75% FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH CLEANING.
- 10. SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.

CONCRETE WASHOUT DETAIL
SCALE: NONE



NOTES:

-) THE CHECK DAM SHALL BE CONSTRUCTED OF 4" TO 8" DIAMETER STONE, PLACED SO THAT IT COMPLETELY COVERS THE WIDTH OF THE CHANNEL.
- 2) THE TOP OF THE CHECK DAM SHALL BE CONSTRUCTED SO THE CENTER IS APPROXIMATELY 6" LOWER THAN THE OUTER EDGES; SO WATER WILL FLOW ACROSS THE CENTER AND NOT AROUND THE ENDS.
- 3) THE MAXIMUM HEIGHT OF THE CHECK DAM AT THE CENTER OF THE WEIR SHALL NOT EXCEED 36".
- 4) SPACING BETWEEN DAMS SHALL BE AS SHOWN IN THE CONSTRUCTION PLANS OR BY THE FOLLOWING TABLE:

CHECK DAM SPACING										
DAM	CHANNEL SLOPE									
HEIGHT	< 5%	5% - 10%	10% - 15%	15% - 20%						
1 FT.	65 FT.	30 FT.	20 FT.	15 FT.						
2 FT.	130 FT.	65 FT.	40 FT.	30 FT.						
3 FT.	200 FT.	100 FT.	65 FT.	50 FT.						

CHECK DAM DETAIL

SURFACE 70' MIN. (30' MIN. FOR ACCESS TO INDIVIDUAL HOUSE LOT) WATER BAR DIVERSION AS PLAN VIEW NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING ONTO PAVEMENT ANY PAVED SURFACE 12" MIN-18" OR SUFFICIENT AS NEEDED TO DIVERT RUNOFF - NO. #2 RECYCLED GEOTEXTILE -CONCRETE AGGREGATE PROFILE

NOTES:

1. PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:

A. TENSILE STRENGTH = 200 LBS.

B. PUNCTURE STRENGTH = 80 PSI

C. TEAR STRENGTH = 50 LBS.

D. BURST STRENGTH = 320 PSI

E. ELONGATION = 20%

F. EQUIVALENT OPENING SIZE ≤ 0.6 MMG. PERMITTIVITY = 0.001 CM/SEC

REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.

APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND

- IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
- 4. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

CONSTRUCTION ENTRANCE
SCALE: NONE

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COLEGATE SEWER REHABILITATION PROJECT

MARIETTA, OHIO

	SCALE:	SCALE: AS NOT		
	DATE:	5/23/2025		
	DESIGNED BY:		TJM	
			JBB	

CHECKED BY: CPR

CIVIL - 10 SERIES

DRAWING NAME

EC-01

SHEET OF

80

PROJECT NO:

80

EROSION CONTROL DETAILS