

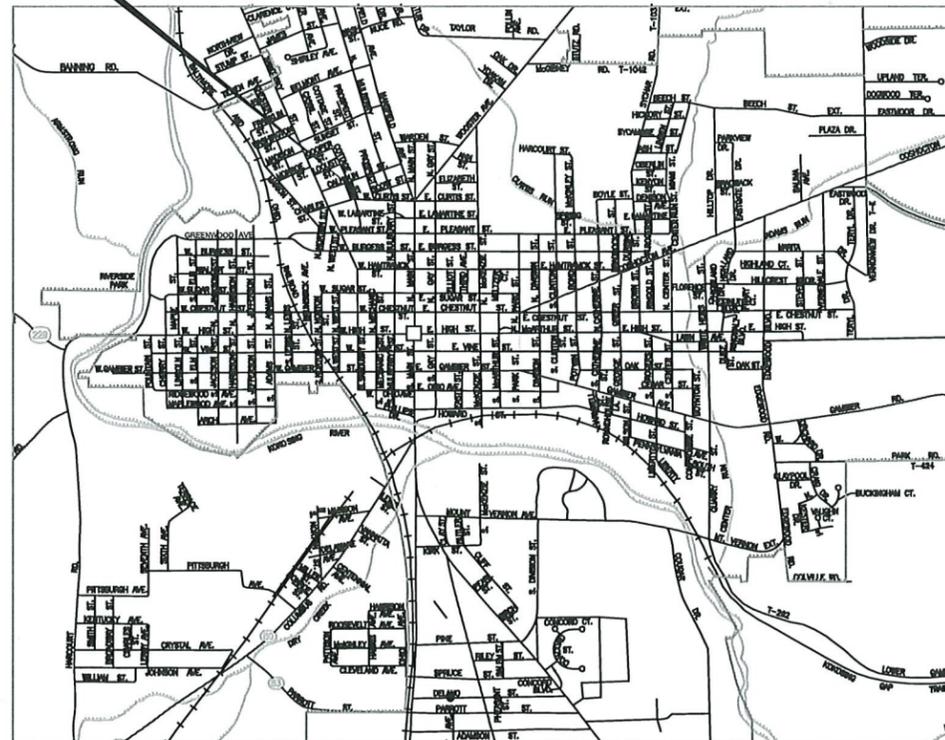
CITY OF MOUNT VERNON, OHIO

COTTAGE STREET SANITARY SEWER EXTENSION

PROJECT
LOCATION

INDEX OF SHEETS

TITLE SHEET _____	1
GENERAL NOTES _____	2-3
SANITARY DETAILS _____	4
ROAD REPAIR DETAILS _____	5
SANITARY PLAN & PROFILE _____	6

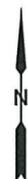


PROJECT DESCRIPTION

REPLACE EXISTING 4" SANITARY SEWER LINE SERVING HOUSES 106,108,110 COTTAGE STREET WITH A NEW 8" SANITARY MAIN. REPLACE EXISTING LATERALS FROM THE PROPOSED MAIN LINE TO NEAR THE HOUSES. INSTALLING DOUBLE SWEEP CLEAN OUT AT NEW CONNECTION WITH EXISTING LATERAL.

CITY OF MOUNT VERNON

LOCATION MAP
NO SCALE



CITY OFFICIALS

MATHEW T. STARR	MAYOR
TANNER S. SALYERS	SAFETY SERVICE DIRECTOR
P. ROBERT BROEREN, JR.	LAW DIRECTOR
DANIEL BRINKMAN	AUDITOR
BRIAN W. BALL, P.E.	ENGINEER

CITY COUNCIL

BRUCE HAWKINS	PRESIDENT
JAMES MAHAN	FIRST WARD
JOHN RUCKMAN	SECOND WARD
TAYLOR JACKLIN	THIRD WARD
LENAN HAGER	FOURTH WARD
AMBER KEENER	AT - LARGE
MEL SEVERNS	AT - LARGE
DALE MILLER	AT - LARGE

APPROVED BY:

Tanner S. Salyers
TANNER S. SALYERS
SAFETY SERVICE DIRECTOR

2.18.26
DATE

PREPARED BY:

Brian W. Ball
BRIAN W. BALL P.E.,
PROFESSIONAL ENGINEER No. 73897

2.19.26
DATE

CITY OF MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT
40 PUBLIC SQUARE, MOUNT VERNON, OHIO 43050
(740) 393-9528



1. **SPECIFICATIONS**
THE CITY OF MOUNT VERNON'S DETAILED SPECIFICATIONS TOGETHER WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS), INCLUDING ALL SUPPLEMENTS AND ALL OTHER REVISIONS THERETO, CURRENT EDITIONS, SHALL GOVERN ALL MATERIAL AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS AND CONSTRUCTION ITEMS SHOWN IN THESE PLANS UNLESS OTHERWISE SPECIFIED. THE MORE STRINGENT REQUIREMENT SHALL TAKE PRECEDENCE AS DETERMINED BY THE DISCRETION OF THE CITY OF MOUNT VERNON AND DESIGN ENGINEER.
ALL CONTRACT SPECIFICATIONS ACCOMPANYING THESE PLANS ARE TO BE CONSIDERED A PART THEREOF. APPROVAL OF THESE PLANS SHALL BE IN ACCORDANCE WITH THE CITY OF MOUNT VERNON, AND ALL WORK TO BE COMPLETELY ACCEPTABLE TO THE CITY OF MOUNT VERNON OFFICIALS. ANY MODIFICATION TO THE WORK SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER.
THE CITY OF MOUNT VERNON RESERVES THE RIGHT TO DIRECT PROJECT SPECIFIC CHANGES TO ANY CITY CONSTRUCTION NOTE AND SPECIFICATION.
THE CITY ENGINEER IS THE SOLE INDIVIDUAL RESPONSIBLE FOR APPROVING AND CERTIFYING ANY DECISIONS ON BEHALF OF THE CITY. THE CITY ENGINEER IS THE CONTRACTING AUTHORITY AND ALL QUESTIONS OR INFORMATION FROM THE CONTRACTOR MUST BE DIRECTED TO THE CITY ENGINEER. NO OTHER REPRESENTATIVE MAY MAKE DECISIONS REGARDING REFS, CHANGE ORDERS, CLARIFICATIONS, ETC. ON BEHALF OF THE CITY. ALL REFERENCES IN THESE NOTES FOR INQUIRES TO THE CITY, SHALL BE DIRECTED TO THE CITY ENGINEER.
2. **SITE VISIT**
THE CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE SITE AND BECOME FULLY INFORMED REGARDING ALL CONDITIONS AFFECTING THE SCOPE OF THE WORK. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE AND VERIFY THE EXTENT OF THE WORK TO BE PERFORMED PRIOR TO MAKING HIS BID. THIS IS ESPECIALLY TRUE WITH REGARD TO ANY REMOVAL ITEMS.
3. **BENCH MARKS**
THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL BENCH MARKS, PROPERTY LINE REFERENCES (E.G., PINS, PIPES, MONUMENTS, MARKERS, ETC.), REFERENCE POINTS, STAKES AND ANY OTHER SURVEY POINTS. IN THE CASE OF DISTURBANCE, THE CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO REPLACE THEM AT THE CONTRACTOR'S OWN EXPENSE AND SHALL BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE.
ELEVATIONS ARE BASED ON 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88). ALL VERTICAL CONTROL POINTS WERE SET USING A COUNTY OR CITY CERTIFIED SOURCE MONUMENT FOR ITS POINT OF ORIGIN, AS CALLED OUT AND SHOWN ON THE PLAN AND PROFILE SHEETS AND/OR TITLE SHEET. PLAN BENCHMARKS HAVE BEEN LOCATED INSIDE OF THE RIGHT-OF-WAY OR WORK LIMITS OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING BENCHMARKS DURING THE PROJECT AND IF DESTROYED, THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THEM AT HIS OWN EXPENSE. THE CONTRACTOR SHALL REFERENCE ALL IRON PINS AND MONUMENTS LOCATED AT OR NEAR SUD IRON PINS OR MONUMENTS. THE CONTRACTOR SHALL NOT DISTURB EXISTING RIGHT-OF-WAY OR PROPERTY CORNER MARKERS THAT ARE REQUIRED TO REMAIN AFTER CONSTRUCTION, AS DETERMINED BY THE CITY OF MOUNT VERNON.
ANY MONUMENT, PROPERTY CORNER MARKERS, OR BENCH MARKS WHICH THE CONTRACTOR FAILS TO RESET AFTER NOTIFICATION OF THE ENGINEER, SHALL BE RESET BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR. THE COST OF REPLACEMENT SHALL BE DEDUCTED FROM ANY MONIES DUE OR TO BECOME DUE TO THE CONTRACTOR UNDER THIS CONTRACT.
4. **BASIS OF BEARINGS**
BEARINGS BASED ON DATA ACQUIRED BY GPS OBSERVATIONS AS PER NAD 83 (2011)-OHIO STATE PLANE COORDINATE SYSTEM-NORTH ZONE USING MONUMENT OHMA FROM THE OHIO DEPARTMENT OF TRANSPORTATION CORRS NETWORK.
5. **SURVEY NOTE**
TOPOGRAPHY SHOWN HERE-ON WAS COMPILED FROM A FIELD SURVEY PERFORMED DECEMBER 2025 BY CITY OF MOUNT VERNON ENGINEERING DEPARTMENT.
UNDERGROUND UTILITIES SHOWN HERE-ON ARE BASED ON FIELD OBSERVATION AND AVAILABLE RECORDS AND AS SUCH, SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
6. **PROJECT LIMITS**
THE CONTRACTOR'S CONSTRUCTION OPERATIONS ARE CONFINED TO THE SITE AREA, THE ROAD RIGHT-OF-WAY AREA, OR EASEMENT AREAS UNLESS OTHERWISE AGREED UPON BY THE PROJECT PROPERTY OWNER. THE CONTRACTOR SHALL PROVIDE THE CITY WITH DOCUMENTATION FOR PROPERTY OWNER AGREEMENTS, ALLOWING THE CONTRACTOR TO USE AND/OR ACCESS THE PROPERTY FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL USE THE APPROPRIATE CONSTRUCTION METHODS TO PREVENT DISTURBING ANY AREA OUTSIDE THESE AREAS.
7. **EASEMENTS**
APPROVAL OF THIS PLAN IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR THE CONSTRUCTION BEING SECURED AND RECORDED BY THE CITY OF MOUNT VERNON PRIOR TO COMMENCEMENT OF THE WORK, AND NO WORK WHICH REQUIRES AN EASEMENT WILL BE ALLOWED TO PROCEED UNTIL THIS IS DONE.
8. **RIGHTS-OF-WAY**
IN ADDITION TO DIRECT REQUIREMENTS OF THE CONTRACT SPECIFICATIONS, THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHT-OF-WAYS INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS-OF-ENTRY OR ACTION FILED IN COURT IN ACCORDANCE WITH THE CODE OF APPLICABLE GOVERNING AGENCY. THE COST OF THE OPERATIONS NECESSARY TO FULFILL SUCH REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS IMPROVEMENT ITEMS UNLESS SPECIFIC PROVISION IS MADE IN THE CONTRACT SPECIFICATIONS.
9. **PRE-CONSTRUCTION MEETING**
A PRE-CONSTRUCTION MEETING SHALL BE HELD AT LEAST 15 CALENDAR DAYS BEFORE ANY WORK IS BEGUN. REPRESENTATIVES OF THE OWNER, DESIGN ENGINEER, AND CONTRACTOR SHALL BE IN ATTENDANCE. A SCHEDULE REGARDING THE SEQUENCE OF EVENTS, DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AT LEAST (7) SEVEN DAYS PRIOR TO THIS MEETING.
10. **CONTINGENCY QUANTITIES**
THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE ESTIMATE OF QUANTITIES FOR ITEMS DESIGNATED AS CONTINGENCY OR REFERENCED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE DESIGN ENGINEER AND/OR THE CITY ENGINEER.
11. **ADDITIONAL COMPENSATION**
THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES, AND RELATED ACCESSORIES FOR A COMPLETE PROJECT AS SHOWN AND DESCRIBED IN THE PLANS AND SPECIFICATIONS. THE PRICE FOR ITEMS OF WORK OR MATERIALS SHOWN ON THE PLANS OR PROVIDED FOR IN THE SPECIFICATIONS OR SPECIAL PROVISIONS FOR WHICH NO SEPARATE UNIT PRICE IS GIVEN SHALL BE INCLUDED IN THE PRICE BID. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK DEMONSTRATION OPERATION. ANY WORK ITEMS OMITTED FROM SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS (E.G. BONDS AND INSURANCES, "OWNER/CONTRACTOR PROTECTIVE POLICY", "ALL RISK BUILDER'S RISK INSURANCE", AND/OR "INSTALLATION FLOATER INSURANCE", ETC.).
SUBMISSION OF A BID SHALL BE CONSIDERED EVIDENCE THAT THE BIDDER IS SATISFIED WITH THE PLANS AND CONDITIONS AS SHOWN. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR COMPLIANCE WITH THE PLANS, SPECIFICATIONS, OR SPECIAL PROVISIONS. NO EXTRA COMPENSATION WILL BE PAID TO THE CONTRACTOR BY REASON OF COMPLIANCE WITH ANY OF THE REQUIREMENTS INDICATED IN THE SPECIFICATIONS, UNLESS OTHERWISE SPECIFICALLY PROVIDED.
A DETAILED BREAKDOWN OF LUMP SUM BID ITEMS MAY BE REQUESTED BY THE CITY OF MOUNT VERNON AND/OR DESIGN ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR THIS EFFORT.
12. **MOBILIZATION**
MOBILIZATION SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 624
13. **PERMITS**
THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENT FEES, LICENSES, AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE IMPROVEMENTS SHOWN ON THE PLANS. AN ORIGINAL PERMIT, WITH SIGNATURES, SHALL BE KEPT ONSITE AT ALL TIMES.
WHEN OCCUPYING OR EXCAVATING WITHIN PUBLIC RIGHT-OF-WAY LIMITS, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE ODOT AND/OR THE CITY OF MOUNT VERNON. THE CITY OF MOUNT VERNON CAN BE CONTACTED BETWEEN THE HOURS OF 8:00AM AND 4:00PM MONDAY THROUGH FRIDAY. PHONE: (740) 393-9628.
14. **SAFETY REQUIREMENTS**
THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXISTING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(S) TO INITIATE, MONITOR, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
THE CONTRACTOR AND SUBCONTRACTOR SHALL ALSO ABIDE BY ALL ORDINANCES OF THE CITY OF MOUNT VERNON.
THE CONTRACTOR SHALL FOLLOW THE OSHA REQUIREMENTS FOR CONFINED SPACE ENTRY, TITLE 29 OF THE CODE OF FEDERAL REGULATIONS, PART 1910.148 WHILE PERFORMING WORK INSIDE ANY MANHOLE OR OTHER PERMIT-REQUIRED CONFINED SPACE. ONE COPY OF ALL CONFINED SPACE ENTRY PERMITS SHALL BE GIVEN TO THE CITY OF MOUNT VERNON UPON PROJECT COMPLETION.
15. **EMERGENCY PROVISIONS**
THE CONTRACTOR SHALL PROVIDE THE CITY OF MOUNT VERNON WITH 24-HOUR EMERGENCY TELEPHONE NUMBERS, IN WRITING, PRIOR TO THE START OF CONSTRUCTION.
16. **INSPECTION**
INSPECTION OF THIS PROJECT SHALL BE PROVIDED BY REPRESENTATIVES OF THE CITY OF MOUNT VERNON.
ANY MODIFICATIONS TO THE WORK SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER. NO WORK TO BE COMMENCED UNTIL ARRANGEMENTS HAS BEEN MADE WITH THE CITY OF MOUNT VERNON FOR INSPECTION.
IN ORDER TO SCHEDULE AND ASSIGN AN INSPECTOR, THE CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE CITY OF MOUNT VERNON AT LEAST (7) SEVEN WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
17. **CONSTRUCTION LAYOUT/STAKING**
INITIAL CONSTRUCTION LAYOUT SERVICES FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR. ANY ADDITIONAL STAKING SERVICES TO REPLACE STAKES THAT HAVE BEEN REMOVED OR DAMAGED THROUGHOUT THE COURSE OF WORK SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY OF MOUNT VERNON. STAKING SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 623.
18. **CONTRACT WORK PERFORMED BY THE CITY**
IN THE EVENT THAT IT BECOMES NECESSARY FOR THE CITY OF MOUNT VERNON TO PERFORM WORK REQUIRED BY THE CONTRACTOR UNDER THIS CONTRACT BECAUSE OF FAILURE OR REFUSAL OF THE CONTRACTOR TO PERFORM SUCH WORK WITHIN A REASONABLE TIME, THE CONTRACTOR SHALL REIMBURSE THE CITY OF MOUNT VERNON FOR THE ACTUAL COST OF LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PERFORM SUCH WORK. THE CITY OF MOUNT VERNON SHALL BE REIMBURSED BY THE CONTRACTOR BY WAY OF A DEDUCTION FROM THE CONTRACTOR'S NET PAYMENT UNDER THIS CONTRACT.
19. **SCHEDULE**
THE CONTRACTOR SHALL SUBMIT IN WRITING A SCHEDULE OF OPERATIONS TO THE CITY OF MOUNT VERNON AND RECEIVE APPROVAL IN WRITING BEFORE WORK IS STARTED ON THIS PROJECT. WEEKLY SCHEDULE UPDATES SHALL BE SUBMITTED TO THE CITY OF MOUNT VERNON. COST SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.
20. **COORDINATION BETWEEN CONTRACTORS**
THE CONTRACTOR FOR THIS PLAN SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES AND ANCILLARY PROJECT NEEDS WITH ANY OTHER CONTRACTORS ON THIS PROJECT OR OTHER CONTRACTORS WORKING IN THE VICINITY. PRIOR TO FINALIZATION OF SCHEDULING FOR THIS PROJECT, THE CONTRACTOR WILL CONFIRM THERE ARE NO SCHEDULE CONFLICTS.
21. **EXPOSE EXISTING UTILITY**
WHERE POTENTIAL GRADE AND ALIGNMENT CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE UTILITIES OR STRUCTURES SUFFICIENTLY IN ADVANCE OF LAYING PIPE FOR THE DESIGN ENGINEER TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. ANY DISCREPANCY WITH THE PLANS SHALL BE COORDINATED WITH THE CITY OF MOUNT VERNON TO ENSURE THAT THERE ARE NO CONFLICT ISSUES ASSOCIATED WITH SAID DISCREPANCY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID EVEN IF A SPECIFIC ITEM IS NOT PROVIDED IN THE ESTIMATE OF QUANTITIES.
22. **UTILITY POLE PROTECTION**
THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS AND PROTECT EXISTING UTILITY POLES. UTILITY POLES WITHIN THE INFLUENCE OF TRENCHES OR EARTHWORK OPERATIONS SHALL BE REINFORCED BY THE UTILITY COMPANY PRIOR TO CONSTRUCTION ACTIVITIES. NOTIFICATION OF THE UTILITY COMPANY PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO DISCUSS THE BEST METHOD OF INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUNDWATER FROM AN AQUIFER. THIS SHALL BE DONE IN ACCORDANCE WITH SECTIONS 1521.01 AND 1521.05 OF THE OHIO REVENUE CODE AND ALL APPLICABLE REQUIREMENTS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES. IN ADDITION, ANY SUCH FACILITY THAT HAS CAPACITY TO WITHDRAW WATER FROM THE STATE IN AN AMOUNT GREATER THAN 100,000 GALLONS PER DAY FROM OIL SOURCES SHALL BE REGISTERED BY THE CONTRACTOR WITH THE CHIEF OF THE O.D.N.R., DIVISION OF WATER, WITHIN THREE MONTHS OF THE COMPLETION OF THE FACILITY IN ACCORDANCE WITH SECTION 1521.11 OF THE OHIO REVENUE CODE. COPIES OF THE NECESSARY PAPERWORK CAN BE OBTAINED AT O.D.N.R., DIVISION OF WATER, FOUNTAIN SQUARE, COLUMBUS, OHIO, 43224-1387, PHONE: (614) 265-6717. ANY DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-89-10 OF THE OHIO ADMINISTRATIVE CODES OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN OR AS DIRECTED BY THE CITY OF MOUNT VERNON OR THEIR REPRESENTATIVE.
BYPASS PUMPING IS REQUIRED WHEREVER THE FLOW IN ANY SEWER IS INTERRUPTED BY THE CONSTRUCTION ACTIVITIES. BYPASS PUMPING SHALL PROVIDE FOR POSITIVE FLOW THROUGH THE SEWER AS EXPECTED DURING THE SEASONS THAT THE WORK IS IN PROGRESS. THE CONTRACTOR SHALL HAVE A CONTINGENCY PLAN TO PREVENT DAMAGE DURING HIGH FLOWS. THE CITY WILL NOT BE RESPONSIBLE FOR DAMAGES DUE TO HIGH FLOWS. THE CONTRACTOR SHALL CONTROL ALL WATER TO A NATURAL DRAINAGE CHANNEL WITHOUT DAMAGE TO PROPERTY BY UTILIZING PROPER EROSION AND SEDIMENT CONTROLS. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND THE CITY OF MOUNT VERNON REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY VIOLATION AND SUBSEQUENT FINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DETAILED DETAILED DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS PROJECT IMPROVEMENTS. THE COST OF ANY DETAILED OPERATIONS AND/OR CONSTRUCTION SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
23. **MATERIAL SAFETY DATA SHEETS**
THE CONTRACTOR SHALL SUBMIT, FOR INFORMATION ONLY, THE MANUFACTURERS' HAZARDOUS MATERIALS COMMUNICATION INFORMATION FORMS FOR ALL MATERIALS TO BE INCORPORATED INTO THE WORK.
24. **STORAGE OF EQUIPMENT AND MATERIALS**
THE CONTRACTOR SHALL INFORM THE CITY OF MOUNT VERNON OF THE LOCATION FOR THE STORAGE OF EQUIPMENT AND MATERIALS AT THE PRE-CONSTRUCTION MEETING.
25. **CONSTRUCTION DEBRIS**
ALL DEBRIS, RUBBLE, UNUSABLE MATERIALS, AND ITEMS NOT SALVAGED BY THE CITY OR OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND DISPOSED OF PROPERLY.
26. **SANITARY CONVENIENCE FACILITIES**
THE CONTRACTOR SHALL FURNISH AND MAINTAIN SANITARY CONVENIENCE FACILITIES FOR THE WORKERS AND INSPECTORS FOR THE DURATION OF THE WORK AND ALL PHASES OF CONSTRUCTION. COST SHALL BE INCLUDED IN THE PRICE BID.
27. **NON-RUBBER Tired VEHICLES**
NON-RUBBER TIED VEHICLES SHALL NOT BE MOVED ON PUBLIC STREETS, EXISTING PRIVATE ROADWAYS OR PARKING LOTS. EXCEPTIONS MAY BE GRANTED BY THE CITY OF MOUNT VERNON FOR THEIR ROADWAYS ONLY. GRANTING OF EXCEPTIONS MUST BE IN WRITING, AND ANY DAMAGE MUST BE REPAIRED TO THE SATISFACTION OF THE CITY OF MOUNT VERNON.
28. **PRUNING**
BRANCHES OR GROWTH WHICH INTERFERES WITH THE FREE CONSTRUCTION OF THE PROJECT MAY BE REMOVED FROM TREES/BUSHES THAT ARE TO BE SAVED BY THE USE OF PRUNING TOOLS WITH PRIOR APPROVAL FROM THE CITY ENGINEER. ALL PRUNING TOOLS USED AND METHODS EMPLOYED SHALL MEET THE REQUIREMENTS OF THE BRANCHES THAT ARE TO BE SAVED. THE CUT SHALL BE MADE WITH A GOOD CLEAN CUT MADE FLUSH WITH THE PARENT TRUNK OR, IF HAVING A GOOD HEALTHY LATERAL BRANCH, THE CUT SHALL BE A GOOD CLEAN SLANTING CUT CLOSE TO AND BEYOND THE HEALTHY BRANCH. ALL PRUNING CUTS SHALL BE PAINTED WITH AN ACCEPTED PRUNING PRESERVATIVE. THE COST OF ALL WORK AND EXPENSES CONNECTED WITH TREE PRUNING SHALL BE INCLUDED IN THE PRICE BID FOR ODOT CMS ITEM 201, CLEARING AND GRUBBING. NO EXTRA PAYMENTS SHALL BE MADE.
29. **SIGNS, MAILBOXES, FENCES, ETC.**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING SIGNS, MAILBOXES, FENCES, QUADRANT, SHRUBS, PROPERTY, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING CONSTRUCTION, WHETHER SHOWN ON THE PLANS OR NOT, TO THEIR ORIGINAL OR BETTER CONDITION AND LOCATION AND TO THE SATISFACTION OF THE CITY OF MOUNT VERNON. COST SHALL BE INCLUDED IN THE PRICE BID.
30. **MAIL SERVICE**
THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT U.S. MAIL DELIVERY WITHIN THE PROJECT LIMITS IS NOT INTERRUPTED BY CONSTRUCTION OPERATIONS. THIS RESPONSIBILITY IS LIMITED TO RELOCATION OF MAILBOXES TO A TEMPORARY LOCATION THAT WILL ALLOW THE COMPLETION OF THE WORK AND SHALL ALSO INCLUDE THE RESTORATION OF MAILBOXES TO THEIR ORIGINAL LOCATION OR APPROVED NEW LOCATION.
BEFORE RELOCATING ANY MAILBOXES, THE CONTRACTOR SHALL CONTACT THE U.S. POSTAL SERVICE AND RELOCATE MAILBOXES ACCORDING TO THE POSTAL SERVICE AND SATISFACTION OF THE PROPERTY OWNERS.
31. **MAINTAINING SERVICE**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS FOR MAIL SERVICE, DELIVERY SERVICE, POLICE, FIRE AND SOLID WASTE REMOVAL IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL CONTACT THE CITY OF MOUNT VERNON FOR CURRENT COLLECTION DATE EACH WEEK PRIOR TO STARTING WORK AND BE RESPONSIBLE FOR MAINTAINING ACCESS TO THE VARIOUS FACILITIES ASSOCIATED WITH THESE SERVICES SUCH AS MAILBOXES AND DELIVERY FACILITIES. THE COST FOR MAINTAINING SERVICE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT.
32. **SUBSURFACE SOIL DATA**
NO SUBSURFACE INVESTIGATION WAS COMPLETED DURING DESIGN. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM SUBSURFACE/SITE CONDITIONS, AND NO ADDITIONAL PAYMENT WILL BE MADE FOR SITE CONDITIONS DIFFERING FROM WHAT WAS EXPECTED DURING BIDDING. ANY PERFORMANCE OF SITE SUBSURFACE INVESTIGATIONS (TEST HOLES) SHALL BE COORDINATED IN ADVANCE WITH THE CITY OF MOUNT VERNON. EXCAVATED MATERIAL SHALL BE REPLACED IN A CONTROLLED MANNER TO MINIMIZE FIELD EARTHWORK AND THE DISTURBED AREA SHALL BE RESTORED AS DIRECTED BY THE CITY OF MOUNT VERNON.
33. **SOIL STOCKPILES**
THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL SOIL STOCKPILES, INCLUDING TRENCH EXCAVATION STOCKPILES, PROTECTED FROM EROSION. THE AREAS SURROUNDING THE STOCKPILES ARE TO BE PROTECTED FROM SEDIMENT WITH THE USE OF PERIMETER CONTROL DEVICES SUCH AS EARTH OR STRAW BALE DEVICES OR SILT FENCES. THESE PERIMETER CONTROL DEVICES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT.
34. **DISPOSAL OF EXCESS EXCAVATION**
THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATION AT AN OFFSITE LOCATION AS APPROVED BY THE CITY ENGINEER. FOR DISPOSAL OUTSIDE THE LIMITS OF THE PROJECT THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED, WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND OFFSITE LANDOWNER BEFORE SUCH DISPOSAL OCCURS. THIS WRITTEN AGREEMENT SHALL CLEARLY STATE THE PURPOSE OF THE AGREEMENT AND INDICATE THE LANDOWNER'S PERMISSION FOR SUCH USE. EXCESS EXCAVATION MATERIAL SHALL NOT BE DISPOSED OF WITHIN ANY FLOODPLAIN AREA, UNLESS ANY AND ALL NECESSARY APPROVALS TO DO SO HAVE BEEN OBTAINED.
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. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL MEASURES AT THE DISPOSAL SITE, IF APPLICABLE, MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
35. **REVIEW OF DRAINAGE FACILITIES**
BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF MOUNT VERNON, THE CONTRACTOR ALONG WITH THE LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF THE EXISTING SEWERS WITHIN THE WORK LIMITS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. THE CITY OF MOUNT VERNON SHALL KEEP RECORDS OF THE INSPECTIONS IN WRITING.
ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY OF MOUNT VERNON.
ALL EXISTING MANHOLES, CATCH BASINS, DRAINS, SEWERS, AND APPURTENANCES INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR SHALL CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S WORK. THE CONDITION OF THE CITY OF MOUNT VERNON, THE ABOVE IS NOT APPLICABLE FOR STRUCTURES TO BE ABANDONED.
THE CONTRACTOR SHALL REMOVE DEBRIS, SILT, ETC., FROM THE EXISTING MANHOLES AND CATCH BASINS THAT HAVE BEEN AFFECTED BY CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL MAINTAIN SERVICE IN EXISTING SEWERS DURING CONSTRUCTION. ALL EXISTING CHARTED OR UNCHARTED STORM SEWERS ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED INTO THE NEW SYSTEM.
36. **REPLACEMENT OF DRAIN TILES AND STORM SEWERS**
ALL DRAIN TILE AND STORM SEWERS DAMAGED, DISTURBED, OR REMOVED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED WITH THE SAME QUALITY PIPE OR BETTER, MAINTAINING THE SAME GRADIENT AS EXISTING. REPLACED DRAIN TILE SHALL BE Laid ON COMPACTED BEDDING EQUAL IN DENSITY TO SURROUNDING EXISTING DRAIN TILE. ADJOINING DRAIN TILE AND/OR STORM SEWERS SHALL BE CONNECTED TO A STORM SEWER STRUCTURE, CURB UNDERDRAIN OR OUTLET INTO THE ROADWAY DITCH AS APPLICABLE. REPLACEMENT SHALL BE DONE AT THE TIME OF THE BACKFILL OPERATIONS.
ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ORIGINAL CONDITION OR CONNECTED TO THE CURB UNDERDRAIN OR TO THE STORM SEWER SYSTEM AS DIRECTED BY THE CITY OF MOUNT VERNON.
37. **MAINTAIN DRAINAGE**
THE FLOW IN ALL SEWERS, DRAINS, AND WATERCOURSES ENCOUNTERED SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND WHENEVER SUCH WATERCOURSES AND DRAINS ARE DISTURBED OR DESTROYED DURING THE EXECUTION OF THE WORK, THEY SHALL BE RESTORED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE. THE CITY OF MOUNT VERNON SHALL NOT BE RESPONSIBLE FOR THE MEASURE OF AND PAYMENT FOR SUCH SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE CITY OF MOUNT VERNON.
38. **DEWATERING/BYPASS PUMPING**
THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DETAILED OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL AND GROUNDWATER TESTING FOR GROUNDWATER DISCHARGE CONSIDERATIONS.
THE COST OF ANY DETAILED OPERATIONS OR BYPASS PUMPING REQUIRED FOR THE CONSTRUCTION OF WATER LINE SHALL BE INCLUDED IN THE PRICE BID. NO SEPARATE PAYMENT FOR DETAILED AND/OR BYPASS PUMPING WILL BE PROVIDED.
SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE MAPPING EQUIPMENT OF SUCH CAPACITY TO ADEQUATELY DEWATER THE TRENCH. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE IS MADE ON FIRM, DRY GROUND. THE COSTS FOR THE DETAILED OPERATIONS AS REQUIRED TO ACCOMPLISH THE PROPOSED CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOIL AND GROUNDWATER TESTING FOR GROUNDWATER DISCHARGE CONSIDERATIONS. THE COST OF ALL DETAILED OPERATIONS AND/OR CONSTRUCTION SHALL BE INCLUDED IN THE PRICE BID. THE CITY WILL NOT BE RESPONSIBLE FOR THE MEASURE OF AND PAYMENT FOR SUCH SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE CITY OF MOUNT VERNON. THE CONTRACTOR IS SOLELY RESPONSIBLE TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (O.D.N.R.) FOR REGISTRY, MAINTENANCE, AND ABANDONMENT OF ANY WITHDRAWAL DEVICES USED IN THE CONSTRUCTION OF THIS PROJECT, IF REQUIRED.
THE CONTRACTOR SHALL BE REQUIRED TO COMPLETE AND FILE A WELL LOG AND A DRILLING REPORT FORM WITH O.D.N.R., DIVISION OF WATER, WITHIN 30 DAYS OF THE COMPLETION OF INSTALLATION OF ANY WELL, WELL POINT, PIT OR OTHER DEVICE USED FOR THE PURPOSE OF REMOVING GROUNDWATER FROM AN AQUIFER. THIS SHALL BE DONE IN ACCORDANCE WITH SECTIONS 1521.01 AND 1521.05 OF THE OHIO REVENUE CODE AND ALL APPLICABLE REQUIREMENTS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES. IN ADDITION, ANY SUCH FACILITY THAT HAS CAPACITY TO WITHDRAW WATER FROM THE STATE IN AN AMOUNT GREATER THAN 100,000 GALLONS PER DAY FROM OIL SOURCES SHALL BE REGISTERED BY THE CONTRACTOR WITH THE CHIEF OF THE O.D.N.R., DIVISION OF WATER, WITHIN THREE MONTHS OF THE COMPLETION OF THE FACILITY IN ACCORDANCE WITH SECTION 1521.11 OF THE OHIO REVENUE CODE. COPIES OF THE NECESSARY PAPERWORK CAN BE OBTAINED AT O.D.N.R., DIVISION OF WATER, FOUNTAIN SQUARE, COLUMBUS, OHIO, 43224-1387, PHONE: (614) 265-6717. ANY DEVICE INSTALLED FOR THE PURPOSE OF LOWERING THE GROUNDWATER LEVEL TO FACILITATE CONSTRUCTION OF THIS PROJECT SHALL BE PROPERLY ABANDONED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 3745-89-10 OF THE OHIO ADMINISTRATIVE CODES OR IN ACCORDANCE WITH THE PROVISIONS OF THIS PLAN OR AS DIRECTED BY THE CITY OF MOUNT VERNON OR THEIR REPRESENTATIVE.
BYPASS PUMPING IS REQUIRED WHEREVER THE FLOW IN ANY SEWER IS INTERRUPTED BY THE CONSTRUCTION ACTIVITIES. BYPASS PUMPING SHALL PROVIDE FOR POSITIVE FLOW THROUGH THE SEWER AS EXPECTED DURING THE SEASONS THAT THE WORK IS IN PROGRESS. THE CONTRACTOR SHALL HAVE A CONTINGENCY PLAN TO PREVENT DAMAGE DURING HIGH FLOWS. THE CITY WILL NOT BE RESPONSIBLE FOR DAMAGES DUE TO HIGH FLOWS. THE CONTRACTOR SHALL CONTROL ALL WATER TO A NATURAL DRAINAGE CHANNEL WITHOUT DAMAGE TO PROPERTY BY UTILIZING PROPER EROSION AND SEDIMENT CONTROLS. DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND THE CITY OF MOUNT VERNON REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY VIOLATION AND SUBSEQUENT FINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DETAILED DETAILED DISCHARGE. COST FOR THE ABOVE SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS PROJECT IMPROVEMENTS. THE COST OF ANY DETAILED OPERATIONS AND/OR CONSTRUCTION SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
39. **SAWCUTTING**
SAWCUTTING IS INCLUDED IN PAVEMENT REMOVAL, EXCAVATION, CURB REMOVAL AND WALK REMOVAL TO PROVIDE SMOOTH STRAIGHT EDGES. NO SEPARATE PAYMENT SHALL BE MADE WHEN NEW UTILITY LINES ARE INSTALLED UNDER EXISTING PAVEMENT, THE PAVEMENT SHALL BE SAWCUT PRIOR TO EXCAVATION, UNLESS THE PAVEMENT IS BEING REMOVED FOR ROADWAY RECONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR SAWCUTTING PAVEMENT.
WHEN SAWCUTTING OF PAVEMENT (CONCRETE, ASPHALT, ETC.) IS NECESSARY, THE CONTRACTOR SHALL EMPLOY DUST COLLECTION MEASURES AND SHALL ENSURE ALL SLURRY IS CLEANED FROM THE ROADWAY OR WALKING SURFACE IMMEDIATELY AFTER SAWING. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO PRIVATE PROPERTY CAUSED BY FUGITIVE DUST AND SLURRY.
40. **RECORD PLANS**
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING "RECORD PLAN" CONSTRUCTION DRAWINGS TO THE CITY OF MOUNT VERNON AFTER THE PROJECT HAS BEEN COMPLETED. THE PLANS MUST IDENTIFY ANY AND ALL FIELD MODIFICATIONS TO, AND DEVIATIONS FROM, THE APPROVED PLAN SET. A REDLINE SET OF PLANS REFLECTING THE "RECORD PLAN" INFORMATION SHALL BE KEPT BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER FOR REVIEW AND SUBSEQUENT PREPARATION OF THE RECORD PLAN DRAWINGS. IF THE REDLINE PLANS ARE INCOMPLETE OR MISSING INFORMATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING THE MISSING INFORMATION BY FIELD SURVEY OR OTHER MEANS TO FACILITATE A COMPLETE SET OF RECORD DRAWINGS. FOR ACCEPTANCE OF WORK, THE CITY REQUIRES A SIGNED COMPLETE SET OF RECORD DRAWINGS.
41. **UTILITIES**
THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS AS ACCURATELY AS PROVIDED BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CITY OF MOUNT VERNON AND/OR THE DESIGN ENGINEER ASSUME NO RESPONSIBILITY TO THE ACCURACY, LOCATIONS OR DEPTHS OF THE UNDERGROUND FACILITIES AS SHOWN ON THE PLANS.
THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECT ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL CALL, TOLL FREE, THE OHIO UTILITIES PROTECTION SERVICE (1-800-362-2764) 72 HOURS PRIOR TO CONSTRUCTION AND SHALL NOTIFY ALL UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO WORK IN THE VICINITY OF THEIR UNDERGROUND LINES.
THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COSTS FOR REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

IF THERE ARE MARKERS OR OTHER APPARENT PHYSICAL EVIDENCE IN OR NEAR THE PROJECT AREA THAT MAY INDICATE THE EXISTENCE OF UNDERGROUND PETROLEUM OR NATURAL GAS PIPELINES, THE CONTRACTOR SHALL ADDITIONALLY CONTACT THE OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGUPS) AT (1-800-925-0988, TOLL FREE). SAID NOTIFICATION SHALL BE GIVEN A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

PRIVATE UTILITY MANHOLES WITHIN THE LIMITS OF THE WORK SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE UTILITY, IF REQUIRED AS REFERENCED ON THE PLANS. ALL PRIVATE UTILITY RELOCATION (GAS, ELECTRIC, PHONE, ETC.) WILL BE THE RESPONSIBILITY OF THE UTILITY OWNERS. THIS WORK SHALL BE DONE CONCURRENTLY WITH THE IMPROVEMENTS AS DETAILED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR PROTECTION OF ANY UTILITIES AS REQUIRED BY THE PLAN WITH THE OWNER OF THE AFFECTED UTILITY. NO SEPARATE PAYMENT SHALL BE MADE FOR COORDINATION.

THE CITY OF MOUNT VERNON AND THE DESIGN ENGINEER ASSUME NO RESPONSIBILITY FOR UNMARKED OR INCORRECTLY MARKED UTILITIES THAT MAY INTERFERE WITH COMPLETION OF THE PROJECT. ANY DELAYS AND/OR COSTS CAUSED BY UNMARKED OR INCORRECTLY MARKED UTILITIES ARE SOLELY BETWEEN THE CONTRACTOR AND UTILITY OWNER AND ARE NOT THE RESPONSIBILITY OF THE CITY OF MOUNT VERNON AND THE ENGINEER. NOTIFICATION OF THE UTILITY COMPANIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE CITY OF MOUNT VERNON, 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 AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE RESPECTIVE UTILITY. AT NO ADDITIONAL EXPENSE TO THE CITY OF MOUNT VERNON INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.

TELEPHONE:	CABLE:
VERIZON BUSINESS 120 RAVINE STREET AKRON, OHIO 44303 PHONE: 330-335-9056 ATTN: AL GUEST	SPECTRUM COMMUNICATIONS 1266 DUBLIN ROAD, PO BOX 2553 COLUMBUS, OHIO 43216-2553 PHONE: 614-451-9283 ATTN: KEVIN RICH

GAS:	ELECTRIC:
COLUMBIA GAS 1021 NORTH MAIN STREET, MANSFIELD, OHIO 44803 CALL: 419-841-1134 ATTN: BENJAMIN CRUM	AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 PHONE: 614-451-6871 ATTN: ROO SLOANEKER

CABLE:	SANITARY SEWER:
CENTURY LINK 203 W. 9TH STREET LORAIN, OHIO 44002 PHONE: ENGINEERING DEPT.	CITY OF MOUNT VERNON 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43060 PHONE: 740-393-9528

STORM SEWER:
CITY OF MOUNT VERNON
40 PUBLIC SQUARE
MOUNT VERNON, OHIO 43060
740-393-9528

SITE SECURITY
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE SUFFICIENT SITE SECURITY MEASURES AND/OR PERSONNEL TO PROTECT ALL NEW CONCRETE WORK FROM VANDALISM UNTIL THE CONCRETE IS SUFFICIENTLY CURED AT NO ADDITIONAL COST TO THE CONTRACTOR. THE COST OF ALL SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.

EXCAVATIONS AND TRENCHES FOR NON-WORKING HOURS
EXCAVATIONS AND TRENCHES OVER 24 HOURS MUST BE SECURELY PLATED, OR BACKFILLED DURING NON-WORKING HOURS. THE LENGTH OF TRENCH WHICH IS OPEN SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE CITY ENGINEER.

UNAUTHORIZED STREET EXCAVATION
IN THE EVENT THE CONTRACTOR EXCAVATES BELOW THE ELEVATIONS CALLED FOR ON THE PLANS, THE CONTRACTOR WILL BE REQUIRED TO REPLACE THIS EXCESS EXCAVATED MATERIAL WITH COMPACTED CRUSHED LIMESTONE AGGREGATE, ITEM 304 AS DIRECTED BY THE CITY AND AT NO EXTRA COST TO THE CITY OF MOUNT VERNON.

BACKFILL TESTING
PRIOR TO CONSTRUCTION, SOIL DENSITY TESTS SHALL BE MADE ON ALL TRENCHES WHICH CROSS THE PRIOR TO CONSTRUCTION PAVEMENTS OR WHICH LIE SUCH THAT THE PROPOSED PAVEMENTS ARE LOCATED WITHIN ANY PORTION OF THE INFLUENCE LINE OF SAID TRENCH. WHERE RESULTS INDICATE THAT THE TRENCH DOES NOT MEET THE COMPACTION REQUIREMENTS, ALL BACKFILL MATERIALS SHOULD BE REMOVED, REPLACED AND RE-TESTED UNTIL COMPACTION MEETS REQUIREMENTS OF APPLICABLE CMS.

CONCRETE CURE AND SEAL
ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE TWO (2) COATS OF A CLEAR, NON-YELLOWING ACRYLIC CURING COMPOUND MEETING THE REQUIREMENTS OF ASTM C309 AND ASTM M148. MAXIMUM VOLUME SHALL BE 400g/1 WITH A MINIMUM 25% SOLVENTS BY WEIGHT. COST FOR THE CURE AND SEAL SHALL BE INCLUDED IN THE PRICE BID.

CLEAN WATER CONNECTIONS PROHIBITED
ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED ON THIS PROJECT. NO SURFACE, GROUND, OR TRENCH WATER SHALL BE ALLOWED TO FLOW INTO EXISTING SANITARY SEWERS.

CONNECTIONS BETWEEN EXISTING PIPES AND PROPOSED STRUCTURES
THE COST OF MAKING CONNECTIONS BETWEEN EXISTING STORM PIPES THAT ARE TO REMAIN IN SERVICE AND PROPOSED INFRASTRUCTURE, INCLUDING BUT NOT LIMITED TO CONCRETE COLLARS, COUPLINGS, MISCELLANEOUS SECTIONS OF PIPE, BACKFILLING AND BEDDING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND INCLUDED IN THE PRICE BID.

CROSSING AND CONNECTIONS TO EXISTING PIPES AND UTILITIES
WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING STORM SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

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

IF IT IS DETERMINED THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY, GRADES AND ELEVATIONS SHOWN ON THE PLANS SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE ENGINEER. INVERT ELEVATIONS SHALL NOT DEVIATE FROM PLAN ELEVATION BY MORE THAN 0.05 FOOT. FAILING TO MEET THE ABOVE REQUIREMENTS IS CAUSE FOR REJECTION OF THE AFFECTED SECTION OF SEWER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 PIPE ITEMS.

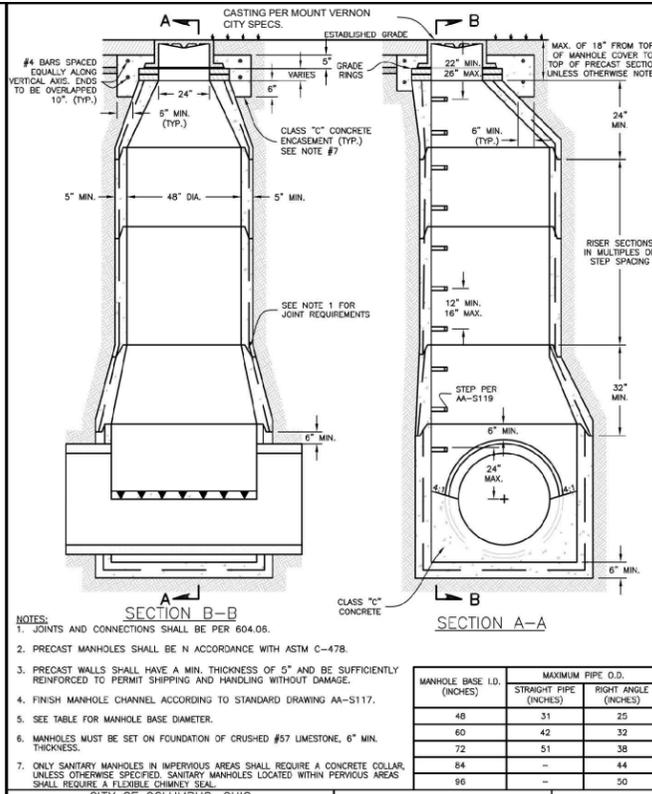
EXISTING DRAINAGE SYSTEMS
EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF DRAIN OUTLETS, SLUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM SEWER OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY AND PROTECTED. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING STORM SEWERS OR NEW STORM SEWER OR CONNECTED TO THE CATCH BASIN AS DIRECTED BY THE DESIGN ENGINEER. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE VARIOUS ODOT CMS 611 ITEMS.

THIS PLAN MAKES NO PROVISIONS FOR CONNECTION, NOR SHALL THE CONTRACTOR CONNECT, ANY UNTREATED SEPTIC DRAINAGE INTO THE DRAINAGE SYSTEM. IF THE CONTRACTOR ENCOUNTERS A PIPE OR CONNECTION TO THE STORM SEWER THAT IN THE ESTIMATION OF THE CITY OF MOUNT VERNON MAY BE AN ILLEGAL CONNECTION FROM AN ON-SITE SEWAGE DISPOSAL SYSTEM, THE KNOX COUNTY HEALTH DEPARTMENT SHALL BE CONTACTED AT 740-392-2200.

SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR SO THAT EXISTING DRAINS WILL NOT BE CLOSED OR OTHERWISE RENDERED INOPERATIVE.

<p>51. GUTTER SLOPES AT CURB RAMPS THE CROSS SLOPE IN THE STREET AT THE BOTTOM OF THE CURB RAMPS SHALL BE A MAXIMUM OF 2.0%. AT EXISTING ROADWAY INSTALLATIONS WHERE THE STREET CONDITIONS AT THE CURB DO NOT MEET THESE SLOPE REQUIREMENTS THE CONTRACTOR SHALL CONSTRUCT A TWO FOOT TRANSITION TO THE EXISTING STREET GRADES WITH A COUNTER SLOPE OF 5% OR LESS AND A CROSS SLOPE OF NO GREATER THAN 2.0%.</p> <p>52. CROSS SLOPES AT STREETS AND INTERSECTIONS THE CROSS SLOPE IN THE STREET OR INTERSECTION FOR ALL CROSSWALKS SHALL MEET ADA REQUIREMENTS, AND SHALL NOT BE GREATER THAN 2.0%. THE CONTRACTOR SHALL BE REQUIRED TO CONFIRM THAT CROSS SLOPES ARE MET AFTER THE INSTALLATION OF ALL CURB RAMPS AND THE PAVEMENT INSTALLATION FOR EACH PAVEMENT COURSE.</p> <p>53. PONDING THE CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO ALL AREAS THAT HOLD WATER AFTER CONSTRUCTION OF THE CURB RAMPS AND/OR THE CURB. THESE AREAS INCLUDE ANY AND ALL AREAS WITHIN THE PEDESTRIAN RIGHT-OF-WAY APPROACHING AND LEAVING THE NEWLY CONSTRUCTED CURB RAMP, AND SPOT OR CONTINUOUS CURB AREAS OF PONDING CANNOT BE IDENTIFIED UNTIL AFTER ADEQUATE RAINFALL HAS OCCURRED AND REPAIR TO THESE AREAS WILL NOT OCCUR UNTIL AFTER SUCH TIME.</p> <p>54. DRAINAGE AT INTERSECTING STREETS AT INTERSECTING STREETS WHERE THE DRAINAGE IS TOWARD OR INTO THE PROJECT, SPECIAL CARE SHALL BE TAKEN BY THE CONTRACTOR TO MAINTAIN PROPER GRADE ALONG THE EDGE OF PAVEMENT SO THAT WATER WILL NOT POND. AT INTERSECTING STREETS, WHERE THE EDGE OF PAVEMENT CONTIGUES ACROSS THE STREET, CARE SHALL BE TAKEN TO FEATHER DOWN AND FORM A NEAT SEAM WITH THE PROPER GRADE.</p> <p>55. STRUCTURE ADJUSTMENT BEFORE ADJUSTING EXISTING STRUCTURES TO GRADE, THE CONTRACTOR, IN THE PRESENCE OF THE CITY OR ACCEPTABLE REPRESENTATIVE, SHALL INSPECT SAID STRUCTURES. IF STRUCTURES ARE IN POOR CONDITION, THEY SHOULD BE REPLACED WITH THE APPROPRIATE ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY THE TOP OF CASTING ELEVATION OF ALL NEW STRUCTURES. IF PRECAST STRUCTURES ARE UTILIZED, A MINIMUM OF THE TOP 6 INCHES AND A MAXIMUM OF 12 INCHES SHALL BE FIELD PLACED EITHER WITH GRADE RINGS OR BRICK AND MORTAR TO ALLOW FOR FIELD ADJUSTMENT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE ODOT CMS ITEM 638. THE DESIGN ENGINEER DETERMINES THAT A STRUCTURE IS TOO LOW AFTER IT HAS BEEN PLACED AND ROUGH GRADING PERFORMED, THE CONTRACTOR SHOULD ADJUST THE STRUCTURE AS DIRECTED BY THE DESIGN ENGINEER AND RE-GRADE THE AREA ACCORDINGLY. THE COST TO ADJUST THE INLET SHALL BE PAID FOR IN THE PRICE BID FOR THE VARIOUS ODOT CMS 638 ITEMS AND SHALL CONSTITUTE FULL PAYMENT FOR ADJUSTING THE INLET INCLUDING GRADE RINGS, CONCRETE, EXCAVATION, BACKFILL, RE-GRADEING, ETC.</p> <p>56. UTILITY EXCAVATION, INSTALLATION, AND DEMOLITION PAYMENT FOR ALL UTILITY EXCAVATION AND/OR INSTALLATION SHALL BE INCLUDED WITHIN THE PRICE BID FOR THE CONDUIT, STRUCTURE, ETC. NO SEPARATE PAYMENT WILL BE MADE FOR EXCAVATION NECESSARY TO PERMANENTLY REMOVE ANY ITEMS DESIGNATED BY THESE PLANS. PAYMENT WILL BE INCLUDED IN THE REMOVAL ITEM.</p> <p>57. INSPECTION NOTE THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPES ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR THE USE AND SHALL ASSIST THE CITY'S INSPECTOR, IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO A TIME CONVENIENT TO THE CONTRACTOR.</p> <p>THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING: A. PROPER PLACEMENT OF EACH STRUCTURE. B. PROPER INSTALLATION OF PIPE RUNS. C. GRADE, AFTER AN OVERNIGHT OR LONGER SHUTDOWN. D. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION. E. GRADE, AS REQUIRED BY THE CITY INSPECTOR IN NO WAY RELIEVES THE CONTRACTOR FROM THE ULTIMATE RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.</p> <p>58. ELEVATION CHANGES IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING UTILITY, OR EXISTING APPURTENANCE TO BE CONNECTED TO, DIFFERS FROM THE PLAN ELEVATION AND RESULTS IN A CHANGE IN THE PLAN, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED UTILITY WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.</p> <p>IF IT IS DETERMINED THAT THE PROPOSED UTILITY WILL INTERSECT AN EXISTING UTILITY OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE DESIGN ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED UTILITY WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS SHALL NOT BE REVISED UNDER ANY CIRCUMSTANCES WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE CITY ENGINEER.</p> <p>59. SEEDING AND MULCHING ALL SEEDING AND MULCHING FOR ALL DISTURBED AREAS SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 659. PRICE SHALL BE INCLUDED IN ITEM 659, SEEDING AND MULCHING CLASS 1.</p> <p>ALL TEMPORARY/CONSTRUCTION SEEDING AND MULCHING FOR ALL DISTURBED AREAS SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 832 - CONSTRUCTION SEEDING AND MULCHING. PRICE SHALL BE INCLUDED IN ITEM SPECIAL - EROSION CONTROL</p> <p>CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING REQUIRED TO PROVIDE PROPER SEED BED. ANY AREAS FAILING TO ESTABLISH A DENSE STAND SHALL BE RESEED, RE-FERTILIZED AND RE-MULCHED AT NO ADDITIONAL COST TO THE CITY OF MOUNT VERNON.</p> <p>FERTILIZATION SHALL BE COMPOSITE COMMERCIAL TYPE AND SHALL BEAR THE MANUFACTURERS GUARANTEED STATEMENT OF ANALYSIS. FERTILIZE AT A RATE OF APPLICATION TO BE USED SHALL BE BASED ON THE RESULTS OF LABORATORY TESTS CONDUCTED BY THE CONTRACTOR AFTER FINAL GRADING IS COMPLETED.</p> <p>60. TOPSOIL TOPSOIL PLACEMENT SHALL BE AS SPECIFIED IN ODOT CMS ITEM 653. TOPSOIL FURNISHED AND PLACED SHALL BE PROVIDED FROM OFF-SITE SOURCES.</p> <p>CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINISH GRADING REQUIRED TO PROVIDE PROPER SEED AND PLANTING BEDS. PLACE A MINIMUM OF 4-INCH TOPSOIL IN ALL PLANTING AREAS DISTURBED DURING CONSTRUCTION.</p> <p>61. RESTORATION, CLEANUP, AND MAINTENANCE THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS, MUD OR DIRT TRACKED OR SPILLED IN THE CITY OF MOUNT VERNON AND/OR PUBLIC STREETS OR PRIVATE DRIVES WHETHER INSIDE OR OUTSIDE THE PROJECT AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF ANY SERVICES CONTRACTED AND/OR COMPLETED BY THE CITY OF MOUNT VERNON IN THE CLEANUP OF ANY TRACKING OR SPILLAGE DURING CONSTRUCTION OF THE CITY OF MOUNT VERNON MAY REQUIRE THE CONTRACTOR TO PERFORM REGULAR AND FREQUENT PAVEMENT CLEANING IF EXCESSIVE AMOUNTS OF DIRT AND MUD ARE LEFT ON THE PAVEMENTS. THIS MAY INCLUDE REMOVAL BY SWEEPING, POWER CLEANING, OR MANUAL METHODS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID, UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL LEAVE THE AREA DISTURBED BY CONSTRUCTION IN THE SAME OR BETTER CONDITION AS PRIOR TO COMMENCEMENT OF THIS WORK.</p> <p>IT IS THE INTENT OF THE CITY OF MOUNT VERNON TO KEEP INCONVENIENCE TO THEIR RESIDENTS, BUSINESSES, AND GUESTS AT AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE. PARTICULARLY THE RESTORATION AND CLEANUP OF DISTURBED AREAS AFTER CONSTRUCTION. ALL FENCES, SIGNS, DRAINAGE STRUCTURES, LANDSCAPING AREAS OR OTHER PHYSICAL FEATURES, ETC., REMOVED, DISTURBED OR DAMAGED DURING WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS OTHERWISE PROVIDED FOR IN THE CONTRACT. ALL SAID WORK TO BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S ENGINEER AND CITY OF MOUNT VERNON. ALL ADDITIONAL COSTS SHALL BE AT THE CONTRACTOR'S EXPENSE. NO SEPARATE PAYMENT SHALL BE MADE.</p> <p>THE CONTRACTOR SHALL PERFORM DAILY CLEANUP OF THE WORK SITE. ALL TRASH, INCLUDING CANS, BOTTLES, FOOD SCRAPS, CONTAINERS, AND WRAPPERS SHALL BE PROPERLY DISPOSED OF OFF-SITE AND SHALL NOT BE THROWN IN THE CONSTRUCTION AREA, OR WITHIN TRASH RECEPTACLES PROVIDED BY THE CITY OF MOUNT VERNON FOR IT'S GUESTS.</p> <p>CARE SHALL BE EXERCISED WHEN WORKING AROUND EXISTING TREES AND SHRUBS. ANY TREES OR SHRUBS NOT MARKED FOR REMOVAL AND DAMAGED BY THE CONTRACTOR WILL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF MOUNT VERNON AND/OR THE OWNER.</p> <p>SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGE TO TREES AND THEIR ROOT SYSTEMS. MACHINE EXCAVATION SHALL NOT BE USED WHEN, IN THE OPINION OF THE ENGINEER, IT WOULD ENDANGER THE TREE ROOTS. IN GENERAL, WHERE EXCAVATION IS WITHIN TEN (10) FEET OF THE CENTER OF A TREE WHICH IS NOT TO BE REMOVED, THE ENGINEER SHALL BE NOTIFIED (PRIOR TO EXCAVATION) FOR HIS DETERMINATION ON HOW BEST TO PROCEED. THE OPERATION OF ALL EQUIPMENT, PARTICULARLY WHEN EMPLOYING BOOMS, THE STORAGE OF MATERIALS AND THE DISPOSITION OF EXCAVATION, SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT INJURE TREES, TRUNKS, BRANCHES OR THEIR ROOTS. THE COST OF ALL SUCH WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS.</p> <p>ALL AREAS IN THE RIGHT-OF-WAY ARE TO BE GRADED AND SEEDED AS SOON AS WORK IN THAT AREA IS COMPLETE.</p> <p>ALL SURFACES INCLUDING DRAINAGE STRUCTURES, LANDSCAPING, PAVEMENTS, DRIVEWAYS, BERMS AND OTHER SURFACES DISTURBED DURING CONSTRUCTION OF THIS PROJECT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER BY THE CONTRACTOR AT NO ADDITIONAL COST.</p> <p>CONTRACTOR SHALL KEEP ALL STREETS, LANES, AND PARKING AREAS ADJACENT TO THE PROJECT CLEAN AND FREE FROM ANY DEBRIS, MUD AND/OR OTHER CONSTRUCTION EQUIPMENT AT ALL TIMES DURING THE PROJECT. ALL VEHICLES SHALL ENTER AND EXIT THE WORK SITE BY THE SAME ROUTE TO AVOID THE TRACKING OF ANY CONSTRUCTION MATERIALS. THE CONTRACTOR IS PROHIBITED FROM USING DRIVEWAYS TO TURN VEHICLES AROUND. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AT HIS OWN EXPENSE ANY</p>	<p>CONSTRUCTION DEBRIS FROM ALL CURBS, GUTTERS, STRUCTURES, OR NON-SCHEDULED STREETS WHICH HAVE BEEN MARKED OR DEFACED DURING THE PROCESS OF TRANSPORTING OR APPLYING ANY CONSTRUCTION RELATED MATERIALS</p> <p>62. TRENCHING EXCAVATING AND BACKFILLING FOR SEWERS SHALL COMPLY WITH ODOT CMS ITEM 638. THE CONTRACTOR SHALL EXCAVATE ALL MATERIAL OF WHATEVER NATURE ENCOUNTERED, INCLUDING ROCK, AND REMOVE EXCESS MATERIAL FROM THE SITE. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION. BLASTING IS NOT PERMITTED.</p> <p>ANY EXCAVATION PERFORMED BEYOND THE STANDARD TRENCH WIDTH, AS DEFINED ON THE PLAN DETAILS DUE TO SITE CONDITIONS OR THE CONTRACTOR'S METHODS ARE DONE SO SOLELY AT THE CONTRACTOR'S EXPENSE. NO EXTRA PAYMENT WILL BE MADE FOR UNAUTHORIZED EXCAVATION.</p> <p>63. TRENCH BACKFILL TRENCHES WITHIN A 1:1 INFLUENCE OF THE ROADWAY AND/OR PAVEMENT INCLUDING ALL POINTS WITHIN 5- FEET BEHIND THE CURB OR EDGE OF PAVEMENT, SHALL BE FILLED AND COMPACTED PER ODOT CMS ITEM 703.11 STRUCTURAL BACKFILL. ALL OTHER TRENCHES SHALL BE FILLED AND COMPACTED AS PER ODOT CMS ITEM 638 COMPACTED BACKFILL AT A MINIMUM, OR AS OTHERWISE INDICATED WITHIN THESE PLANS. ALL COSTS FOR BACKFILL SHALL BE INCLUDED IN THE PRICE BID. NO SEPARATE PAYMENT SHALL BE MADE.</p> <p>THE EXCAVATED TRENCH WIDTH 12-INCHES ABOVE THE CONDUIT MAY BE INCREASED WITHOUT EXTRA COMPENSATION. THE MINIMUM TRENCH WIDTH SHALL BE 3- FEET TO ALLOW ROOM FOR MECHANICAL EQUIPMENT (HOE TAMPS, JUMPING JACKS, ETC.).</p> <p>PROVIDE COMPACTION EQUIPMENT THAT COMPACTS THE MATERIAL UNDER THE HAUNCH OF THE PIPE. USE SHOVEL SLICING AND SPUD BARS IN CONJUNCTION WITH THE COMPACTION OPERATIONS TO COMPACT THE MATERIAL AND TO MANIPULATE THE MATERIAL UNDER THE HAUNCH OF THE PIPE.</p> <p>WHERE THE NEW STORM SEWER, WATERLINE, OR SANITARY SEWER CROSSES UNDER AN EXISTING UTILITY LINE, NO. 57 STONE OR CDF SHALL BE USED VERTICALLY FROM THE BOTTOM OF THE NEW TRENCH TO 6-INCHES ABOVE THE TOP OF THE EXISTING UTILITY AND HORIZONTALLY 5- FEET ON EACH SIDE OF THE EXISTING UTILITY. THE GRANULAR BACKFILL SHALL BE PLACED AND COMPACTED IN LIFTS NOT TO EXCEED 24-INCHES FOR NO. 57 STONE.</p> <p>ALL PAVEMENT TRENCH CUTS COVERED WITH STEEL TRAFFIC PLATES SHALL BE SHEETED/SHORED OR TRENCH BOXED. NO PLATES SHALL SPAN TRENCHES LOWER THAN 12-INCHES BELOW PAVEMENT SURFACE. ALL PLATES SHALL BE PINNED SECURELY IN PLACE AND WEDGED WITH COLD PATCH MATERIAL IN THE DIRECTION OF TRAFFIC FLOW. BETWEEN DECEMBER 1 AND APRIL 1 TRENCHES SHALL BE BACKFILLED FLUSH WITH PAVEMENT AND COVERED WITH STEEL PLATES. PLATE SIGNS SHALL BE PLACED FOR BOTH DIRECTIONS OF TRAFFIC.</p> <p>ANY LOSS OF EXISTING PAVEMENT SUB-BASE DUE TO TRENCHING OPERATION AND THE UNDERMINED PAVEMENT ABOVE SUCH AREA SHALL BE SAWCUT AND REPAIRED TO THE SATISFACTION OF THE CITY OF MOUNT VERNON AT NO COST TO THE CITY.</p> <p>WATER MAINS CONSTRUCTED IN FILL AREAS SHALL BE CONSTRUCTED AFTER COMPACTED FILL HAS BEEN INSTALLED TO PROPOSED GRADE.</p> <p>64. COMPACTION TESTING THE CONTRACTOR IS RESPONSIBLE FOR ALL COMPACTION, ASPHALT AND CONCRETE TESTING. THE CITY RESERVES THE RIGHT TO HAVE COMPACTION TESTING PERFORMED BY THE CONTRACTOR OUTSIDE OF THE INFLUENCE OF THE ROADWAY.</p> <p>65. SIDEWALK, CURB RAMPS AND DRIVE APPROACHES ALL SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG). THE CONTRACTOR SHALL REFERENCE THE LATEST EDITION OF THE ODOT CURB RAMP STANDARD DRAWINGS FOR ADDITIONAL DETAILS AND MATERIAL REQUIREMENTS. FINAL ACCEPTANCE AND COMPLIANCE WITH PROWAG SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ALL CURB RAMPS OR ASSOCIATED CONCRETE WORK FOUND TO BE NON-COMPLIANT WITH PROWAG SHALL BE REMOVED AND RECONSTRUCTED BY THE CONTRACTOR TO MEET PROWAG REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.</p> <p>66. PAVEMENT JOINTS ALL PAVEMENT JOINTS, PARTICULARLY WHERE A PROPOSED PAVEMENT ABUTS AN EXISTING PAVEMENT, AND ALL PAVEMENT JOINTS ABUTTING UTILITY STRUCTURES SUCH AS MANHOLES, CATCH BASINS, VALVE BOXES, ETC., SHALL BE FILLED IN ACCORDANCE WITH A MATERIAL AS SPECIFIED BY ODOT CMS ITEM 705.04.</p> <p>CONTRACTOR SHALL ADD CONTROL JOINTS IN FINISHED ASPHALT WORK ABOVE SUBBASE CONCRETE CONTROL JOINTS. CONTROL JOINTS SHALL BE FILLED WITH FIBERIZED JOINT FILLER MATERIAL PER ODOT CMS ITEM 423. COST TO BE INCLUDED IN THE VARIOUS PAVEMENT BID ITEMS.</p> <p>MAINTENANCE OF TRAFFIC</p> <p>67. MAINTENANCE OF TRAFFIC WORK PLAN AND WORK SCHEDULE THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL A MAINTENANCE OF TRAFFIC (MOT) PLAN. THE MOT PLAN SHALL DISCUSS TRAFFIC FLOW PATTERNS, DETOURS, LANE CHANGES, LOCATION OF CONTROL DEVICES, CONSTRUCTION PHASING, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE PLAN CURRENT AND ADVISE THE ENGINEER AND OWNER OF ANY CHANGES. THE CONTRACTOR IS TO PROVIDE THE ENGINEER WITH A CONSTRUCTION WORK SCHEDULE STATING WHAT STREETS CONSTRUCTION ACTIVITY WILL OCCUR ON. THE CONTRACTOR IS TO PROVIDE THE ENGINEER AND OWNER WITH AN UPDATED WORK SCHEDULE ON A WEEKLY BASIS. THESE EFFORTS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 MAINTAINING TRAFFIC.</p> <p>68. NOTIFICATION THE CONTRACTOR SHALL NOTIFY THE CITY OF MOUNT VERNON, THE CITY OF MOUNT VERNON POLICE DEPARTMENT, THE CITY OF MOUNT VERNON FIRE DEPARTMENT, AND THE LOCAL BOARD OF EDUCATION AT LEAST 48 HOURS PRIOR TO MAKING ANY CHANGES IN TRAFFIC PATTERNS OR STREET CLOSING.</p> <p>69. TRAFFIC CONTROL THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND REMOVE LIGHTS, SIGNS, BARRICADES, TEMPORARY GUARDRAILS, OTHER TRAFFIC CONTROL DEVICES AND FURNISH WATCHMEN AND FLAGGERS, AS MAY BE NECESSARY TO MAINTAIN SAFE TRAFFIC CONDITIONS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), AND THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.</p> <p>WHEN IT IS NECESSARY TO DIVERT TRAFFIC FROM ITS NORMAL CHANNEL INTO ANOTHER CHANNEL, SUCH DIVERSION SHALL BE CLEARLY MARKED BY CONES, DRUMS, BARRICADES OR TEMPORARY GUARDRAILS. WHENEVER ONE LANE TRAFFIC IS ESTABLISHED AT LEAST TWO FLAGGERS SHALL BE USED. THE FLAGGERS SHALL BE EQUIPPED AND SHALL PERFORM THEIR DUTIES ACCORDING TO THE STANDARD FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD.</p> <p>TRAFFIC CONTROL SHALL FOLLOW THE PROCEDURES DESCRIBED IN THE OMUTCD USING SIGNAGE AND TWO (2) FLAGGERS.</p> <p>THE CONTRACTOR WILL AT THE END OF THE DAYS WORK, EITHER BACKFILL ANY EXCAVATIONS TO THE ORIGINAL CONTOUR OF THE GROUND OR PROVIDE STEEL PLATES TO COVER THE EXCAVATION. ALL EQUIPMENT AND VEHICLES MUST BE REMOVED FROM THE RIGHT-OF-WAY.</p> <p>ALL LANES OF TRAFFIC MUST BE MAINTAINED ON ALL ROADS DURING NON-WORKING HOURS.</p> <p>70. STREET CLOSING WHEN IT IS REQUIRED THAT THE STREET OR ROAD BE CLOSED TO THROUGH TRAFFIC, THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN, AND REMOVE SIGNS, BARRICADES, ETC., AS PER THE OMUTCD AND THE CITY ENGINEER. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ADVANCE WARNING SIGNS, DETOUR SIGNS, AND BARRICADES, ETC. ON ALL STREETS INCLUDING SIDE STREETS IN THE AREA AFFECTED BY THE WORK.</p> <p>CONTRACTOR SHALL SCHEDULE HIS WORK TO ENSURE THAT EACH ROAD CLOSING IS NO LONGER THAN SIX (6) HOURS AND OCCURS BETWEEN THE HOURS OF 9:00 A.M. TO 3:00 P.M. MONDAY THROUGH FRIDAY. THE CONTRACTOR SHALL MAKE SUITABLE PROVISIONS FOR ACCESS BY LOCAL RESIDENTS, SCHOOL BUSES, MAIL DELIVERY VEHICLES, POLICE, FIRE, AND EMERGENCY VEHICLES AT ALL TIMES.</p> <p>THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN DETOUR MARKING SIGNS ON TEMPORARY ROUTES.</p> <p>ADVANCE NOTICE OF ALL STREET CLOSINGS SHALL BE MADE TO THE CITY ENGINEER'S OFFICE AND THE LOCAL SCHOOL DISTRICT AND LOCAL MEDIA AT LEAST ONE WEEK PRIOR TO CLOSURE.</p> <p>71. SAFETY THE OPINION OF THE ENGINEER, PROPER MAINTENANCE OF TRAFFIC FACILITIES AND PROPER PROVISION FOR TRAFFIC CONTROL ARE NOT BEING PROVIDED AND THE SAFETY OF THE PUBLIC IS THUS ENDANGERED, THE OWNER MAY TAKE THE NECESSARY STEPS TO PLACE THEM IN PROPER CONDITION AND THE COST OF SUCH SERVICES WILL BE DEDUCTED FROM ANY MONEY WHICH MAY BE DUE THE CONTRACTOR.</p> <p>72. DRIVEWAYS NO DRIVEWAY IS TO BE CLOSED FOR MORE THAN FIVE (5) HOURS WITH THE TIME STARTING WHEN THE ENTRANCE IS CLOSED TO TRAFFIC. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING PROPERTY OWNERS, RESIDENTS, OR BUSINESS OPERATORS IN WRITING AT LEAST 24 HOURS BUT NOT MORE THAN 72 HOURS PRIOR TO CLOSURE. THE ENGINEER SHALL BE GIVEN A LIST OF THE BUSINESSES THAT WERE GIVEN NOTICES WITH THE DATE OF NOTICES INCLUDED. IF FOR ANY REASON THE FIVE (5) HOUR MAXIMUM LIMIT IS EXCEEDED ON ANY DRIVEWAY, THE CONTRACTOR WILL NOT BE PERMITTED TO CLOSE ANY FURTHER DRIVEWAYS UNTIL ALL CLOSED DRIVEWAYS ARE REOPENED. DRIVEWAYS SHALL NOT BE CLOSED DURING THE EVENING OR ON WEEKENDS UNLESS APPROVED BY THE CITY ENGINEER.</p> <p>73. COSTS COSTS FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ODOT CMS ITEM 614 MAINTAINING TRAFFIC.</p>	<p>74. SANITARY SEWER NOTES: ALL SANITARY SEWERS, FORCE MAINS AND APPURTENANCES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF MOUNT VERNON.</p> <p>ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE NEW SANITARY SEWER ARE PROHIBITED.</p> <p>APPROVAL BY THE CITY AND/OR THEIR REPRESENTATIVE CONSTITUTES NEITHER EXPRESSED NOR IMPLIED WARRANTIES AS TO THE FITNESS, ACCURACY, OR SUFFICIENCY OF PLANS, DESIGNS, OR SPECIFICATIONS.</p> <p>ALL NEW SANITARY SEWERS SHALL PASS THE AIR-ACCEPTANCE OR WATER-TIGHTNESS TEST PRIOR TO ACCEPTANCE. TESTING OF THE SANITARY SEWER AND MANHOLES SHALL MEET ALL REQUIREMENTS OF CITY OF MOUNT VERNON PROCEDURES. THE COST OF NECESSARY TESTING IS TO BE INCLUDED IN THE BID PRICE OF THE PIPE. TESTING SHALL CONFORM TO TEN STATE STANDARDS AND ASTM F-1417.</p> <p>ALL NEWLY CONSTRUCTED SANITARY SEWERS SHALL BE VIDEOTAPED BY THE CONTRACTOR AND FOUND TO BE FREE OF DEFECTS, FOREIGN MATTER, AND IN PROPER ALIGNMENT PRIOR TO FORMAL ACCEPTANCE. THE COST OF VIDEOTAPING IS TO BE INCLUDED IN THE BID PRICE OF THE PIPE.</p> <p>ALL MANHOLES SHALL BE SUPPLIED WITH SOILD COVERS EXCEPT IN EASEMENTS WHERE MANHOLE COVERS SHALL BE THE SOLID-LOCKING TYPE. ALL MANHOLES SHALL BE VACUUM TESTED PER TEN STATE STANDARDS AND ASTM C-1244.</p> <p>ALL SANITARY SEWER LATERALS SHALL BE CONSTRUCTED AT NO LESS THAN 1% GRADE.</p> <p>THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING SEWAGE SYSTEM RESULTING FROM NONCONFORMANCE AND/OR GENERAL NEGLIGENCE.</p> <p>ADJUSTMENT OF THE FINISHED ELEVATIONS OF MANHOLES SHALL BE DONE WITH INFRA-RISER RUBBER GRADE RINGS, AS MANUFACTURED BY EAST JORDAN CO. (FORMERLY KNOWN AS EAST JORDAN IRON WORKS). MAXIMUM ADJUSTMENT MAY NOT EXCEED 12". A MINIMUM OF ONE GRADE RING IS REQUIRED ON ALL MANHOLES.</p> <p>INTERNAL CHIMNEY SEALS SHALL BE INSTALLED IN ALL NEW MANHOLES</p> <p>MANHOLE COVER INSERTS SHALL BE PROVIDED FOR ALL NEW MANHOLES, REGARDLESS OF THE TYPE OF COVER REQUIRED.</p> <p>WHERE INLET AND OUTLET PIPES CONNECT TO MANHOLES, A FLEXIBLE WATERIGHT JOINT IS REQUIRED.</p> <p>ALL SANITARY SEWERS, MANHOLES, AND APPURTENANCES CONTAINED HEREIN ARE TO BE PUBLICLY OWNED AND MAINTAINED.</p> <p>ALL WORK COMPLETED UNDER THE CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR AND OCCUPATIONAL SAFETY AND HEALTH ACT.</p> <p>EXCAVATION OUTSIDE NORMAL PAY LIMITS SHALL NOT BE COMMENCED WITHOUT APPROVAL OF THE CITY OF MOUNT VERNON.</p> <p>ALL AREAS DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO PRECONSTRUCTION CONDITIONS BEFORE FINAL ACCEPTANCE OF THE WORK.</p> <p>THE PRICE BID FOR ALL PIPE AND MANHOLES SHALL BE FOR COMPLETE IN PLACE INSTALLATION INCLUDING BACKFILL REGARDLESS OF SOIL, GROUNDWATER, OR ROCK CONDITIONS.</p> <p>ANY ADAPTERS REQUIRED TO FIT NEW SEWERS TO EXISTING PIPE OR STRUCTURES SHALL BE INCLUDED IN THE BID PRICE OF THE PIPE. NO EXTRA PAYMENT SHALL BE MADE FOR MISCELLANEOUS ADAPTERS, CONNECTIONS, BE SEALS, ETC.</p> <p>THE SANITARY FLOW SHALL NOT BE INTERRUPTED DURING CONSTRUCTION. IF REQUIRED, BY-PASS PUMPING EQUIPMENT SIZED FOR NET WEATHER FLOW OR OTHER METHODS SHALL BE USED AND THE COST INCLUDED IN THE BID PRICE FOR ITEM 611 BID ITEMS.</p> <p>NOTIFY THE CITY OF MOUNT VERNON SEVENTY-TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION ON SANITARY SEWER WORK</p> <p>THE LOCATION OF SERVICE CONNECTIONS MAY BE MODIFIED TO SUIT FIELD CONDITIONS BY THE DIRECTION OF THE CITY REPRESENTATIVE.</p> <p>TOP ELEVATIONS OF MANHOLES, AS INDICATED ON THE PLAN AND PROFILE ARE APPROXIMATE AND SHOULD BE USED FOR BIDDING PURPOSES ONLY. ACTUAL TOP ELEVATIONS SHALL BE MEASURED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHOULD NOTE THAT NO EXTRAS WILL BE AWARDED NOR SHALL ANY DEDUCTION BE MADE FOR MANHOLES WHOSE AS-BUILT DEPTHS MAY VARY FROM THOSE SHOWN ON PLANS.</p> <p>ALL ELEVATIONS AND DISTANCES ARE BELIEVED TO BE ACCURATE. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION ON ALL INFORMATION SHOWN ON THE DRAWINGS.</p> <p>THE CONTRACTOR SHALL STAKE AND ESTABLISH CONTROL FOR SANITARY SEWER LOCATIONS AND SHALL INCLUDE THESE COSTS IN THE BID PRICE FOR MOBILIZATION/BONDING.</p> <p>ALL SDR 35 PVC GRAVITY SEWERS SHALL BE SUBJECTED TO A PIPE DEFLECTION TEST. THE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY AND SHALL NOT OCCUR UNTIL AT LEAST 60 DAYS AFTER THE SOIL/PIPE SYSTEM HAS BEEN INSTALLED. THE TEST SHALL CONSIST OF HAND PULLING A MANDREL DEVICE THROUGH THE SEWER. THE MANDREL SHALL BE EITHER A FULL CIRCLE OR 9-ARM TYPE WHICH HAS OUTSIDE DIMENSIONS WHICH ARE BOK OF THE ID OF THE PIPE BEING TESTED. PIPE FAILING THE MANDREL TEST SHALL BE REPLACED AT NO COST TO THE OWNER OR ENGINEER (INCLUDING EXCAVATION, SITE RESTORATION, RE-TESTING, ETC.). TESTING SHALL CONFORM TO TEN STATE STANDARDS.</p> <p>ALL UNDERGROUND LINES ENCOUNTERED BY CONSTRUCTION OF THE SANITARY SEWERS ARE TO BE COMPLETELY RESTORED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>ALL DISTURBED AND/OR DAMAGED STORM SEWER PIPES, STORM SEWER APPURTENANCES, PAVEMENTS, BERMS, AND DITCHES SHALL BE REPAIRED AS DIRECTED BY THE CITY OF MOUNT VERNON.</p> <p>ALL PROPOSED SEWERS AND FORCE MAINS THAT CROSS ANY EXISTING STREAMS SHALL BE CONSTRUCTED WITH A MINIMUM OF 3'-0" COVER.</p> <p>SILT-FREE DEWATERING FLOWS WILL BE DISCHARGED DIRECTLY TO STABILIZED SITES SUCH AS THE CREEK OR STORM SEWERS, NOT ONTO EXPOSED SOILS OR ANY OTHER SITE WHERE FLOWS COULD CAUSE EROSION.</p> <p>INLET FILTERS WILL BE INSTALLED AROUND ALL STORM SEWER CATCH BASINS, TO PREVENT SILTATION.</p> <p>NO MORE THAN 50 FEET OF SEWER TRENCH SHALL REMAIN OPEN AT ONE TIME. MATERIALS EXCAVATED DURING TRENCHING SHALL BE PILED ON THE UPHILL SIDE OF THE TRENCH.</p> <p>CONCRETE-LADEN WATER WILL NOT BE PERMITTED TO ENTER THE STORM SEWER OR STREAM.</p> <p>THE CONTRACTOR MUST MAINTAIN A 10-FOOT MINIMUM HORIZONTAL CLEARANCE FROM THE EDGE OF ALL WATER MAINS TO THE EDGE OF ALL SANITARY SEWER AND/OR FORCE MAIN PIPES.</p> <p>THE CONTRACTOR MUST MAINTAIN AN 18-INCH MINIMUM VERTICAL CLEARANCE FROM THE EDGE OF ALL WATER MAINS AND/OR SERVICES TO THE OUTSIDE EDGE OF ALL SANITARY SEWER PIPES WHERE THEY CROSS.</p>	<p>77. PAVEMENT REPAIR (ASPHALT SIDE STREETS) PAVEMENT REPAIR (PERMANENT ASPHALT ROADWAY) THE PRICE BID FOR THESE ITEMS SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE REMOVAL AND REPLACEMENT OF THE ASPHALT ROADWAY PAVEMENT AS SHOWN IN THE PLANS. THE COST BID SHALL INCLUDE ALL SAW CUTTING, PAVEMENT REMOVAL, 304 BASE MATERIAL AND PLACEMENT, ASPHALT PAVEMENT MATERIAL AND PLACEMENT, CRACK SEALING, AND TACK COAT REQUIRED. THE FINAL PAVEMENT SECTION SHALL BE AS SHOWN IN THE DETAILS. PAYMENT FOR PAVEMENT REMOVAL AND REPLACEMENT WILL BE PAID FOR BASED ON A SQUARE YARD BASIS AND THE PAY LIMITS IDENTIFIED IN THE DETAIL FOR REMOVAL/REPLACEMENT.</p> <p>78. SANITARY MANHOLE, COMPLETE THE PRICE BID FOR THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR THE INSTALLATION OF NEW 48" SANITARY MANHOLES AS SHOWN IN THE PLANS. THE COST BID SHALL INCLUDE ALL CONCRETE STRUCTURES, EXCAVATION, SHEETING, SHORING, DOWELING, BASE MATERIAL, BACKFILL, CASTINGS, FRAMES, COVERS, CHIMNEY SEAL, INFILTRATION DISH, CONNECTIONS TO EXISTING AND PROPOSED SANITARY SEWERS, ADJUSTMENT TO GRADE AND TESTING REQUIRED FOR THE INSTALLATION OF EACH PROPOSED MANHOLE. PAYMENT FOR THIS ITEM WILL BE MADE FOR EACH SANITARY MANHOLE TESTED AND APPROVED. THE ASSOCIATED ROADWAY PAVEMENT REMOVAL AND REPLACEMENT WILL BE PAID FOR UNDER A SEPARATE PAY ITEM. WHERE INLET AND OUTLET PIPED CONNECT TO MANHOLES, A FLEXIBLE WATERIGHT JOINT IS REQUIRED. FLEXIBLE MANHOLE CONNECTIONS SHALL MEET ASTM C-923. PRECAST MANHOLE CONSTRUCTION SHALL MEET ASTM C-478 WITH JOINTS PER ASTM C-443. MANHOLES SHALL BE VACUUM TESTED PER ASTM C-1244</p> <p>79. TEMPORARY SEWAGE PUMPING THIS ITEM IS TO INCLUDE ALL MATERIALS, EQUIPMENT AND LABOR ASSOCIATED WITH TEMPORARY BYPASS PUMPING (OR GRAVITY BYPASS IF POSSIBLE) OF EXISTING SANITARY SEWERS. THE CONTRACTOR SHALL SUBMIT A BY-PASS PUMPING PLAN TO THE CITY FOR AN APPROVAL. A MINIMUM OF 72 HOURS PRIOR TO BEGINNING THE TEMPORARY BY-PASS. PAYMENT FOR THIS ITEM WILL BE MADE ON A LUMP SUM BASIS.</p>
---	--	---	---

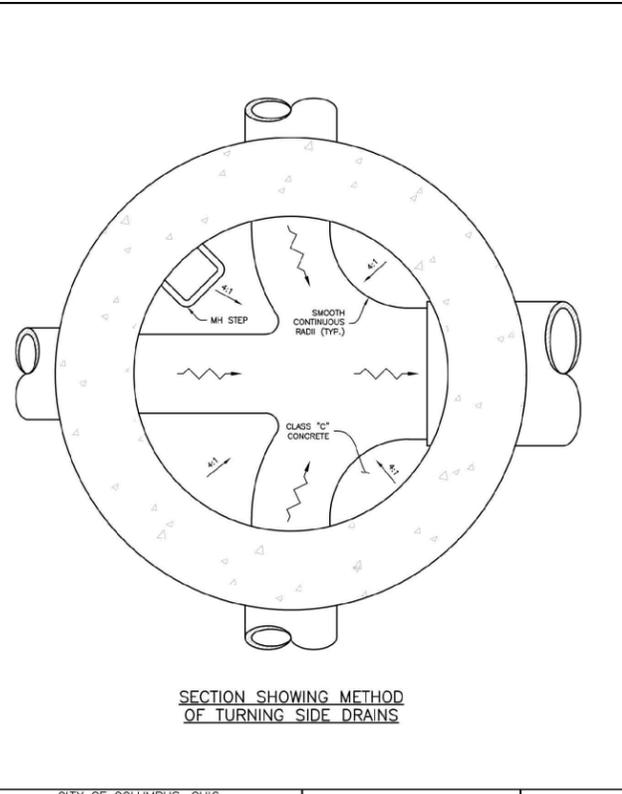
<p>NO SCALE</p>	<p>CITY OF MOUNT VERNON COTTAGE STREET SANITARY SEWER EXTENSION</p> <p>GENERAL NOTES</p>	<p>DESIGNED DVH CHECKED</p>	<p>DRAWN DVH REVISED</p>	<p>DATE 02-13-2026</p>	<p>CITY OF MOUNT VERNON, OHIO ENGINEERING DEPARTMENT</p>	<p>3 6</p>
-----------------	--	-------------------------------------	----------------------------------	----------------------------	--	----------------



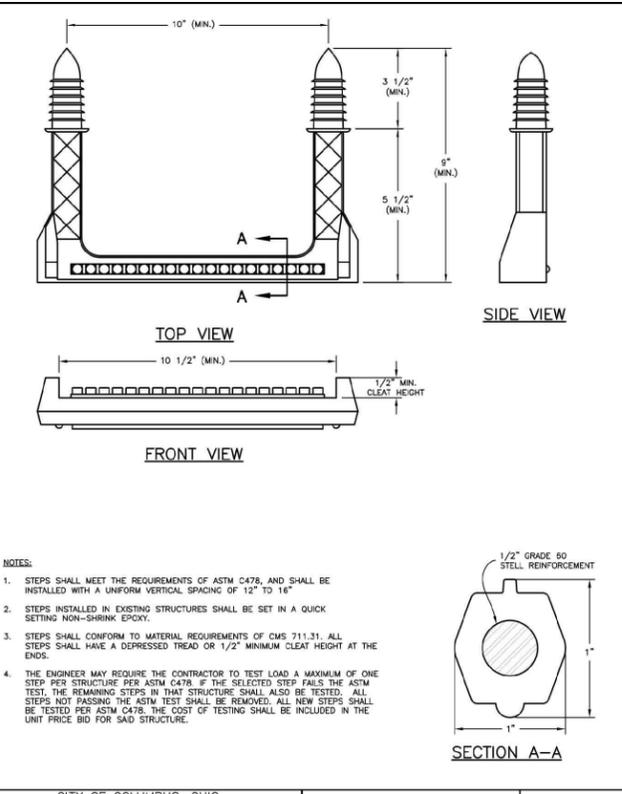
NOTES:

- JOINTS AND CONNECTIONS SHALL BE PER 604.05.
- PRECAST MANHOLES SHALL BE IN ACCORDANCE WITH ASTM C-478.
- PRECAST WALLS SHALL HAVE A MIN. THICKNESS OF 5" AND BE SUFFICIENTLY REINFORCED TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.
- FINISH MANHOLE CHANNEL ACCORDING TO STANDARD DRAWING AA-S117.
- SEE TABLE FOR MANHOLE BASE DIAMETER.
- MANHOLES MUST BE SET ON FOUNDATION OF CRUSHED #57 LIMESTONE, 6" MIN. THICKNESS.
- ONLY SANITARY MANHOLES IN IMPERVIOUS AREAS SHALL REQUIRE A CONCRETE COLLAR. UNLESS OTHERWISE SPECIFIED, SANITARY MANHOLES LOCATED WITHIN PERVIOUS AREAS SHALL REQUIRE A FLEXIBLE CHIMNEY SEAL.

MANHOLE BASE I.D. (INCHES)	MAXIMUM PIPE O.D.	
	STRAIGHT PIPE (INCHES)	RIGHT ANGLE (INCHES)
48	31	25
60	42	32
72	51	38
84	-	44
96	-	50

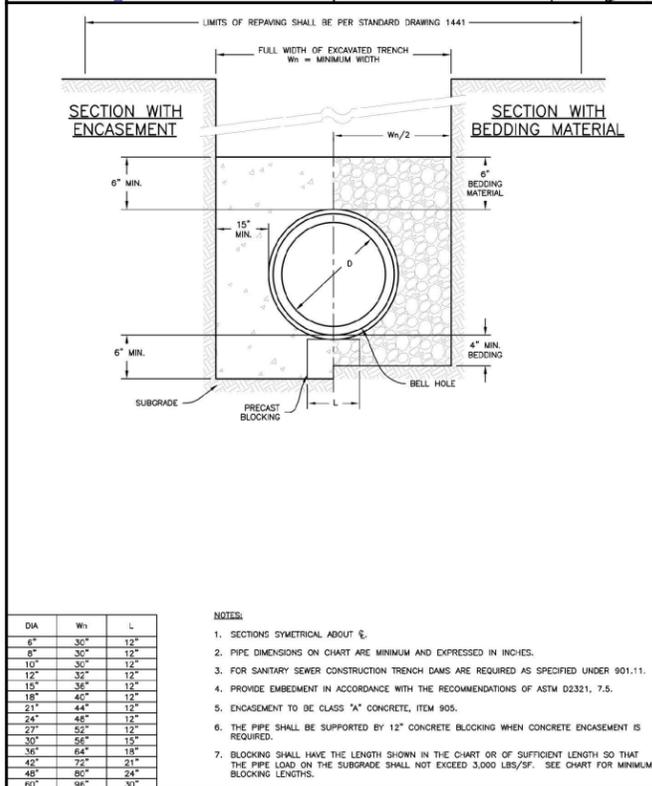


SECTION SHOWING METHOD OF TURNING SIDE DRAINS



NOTES:

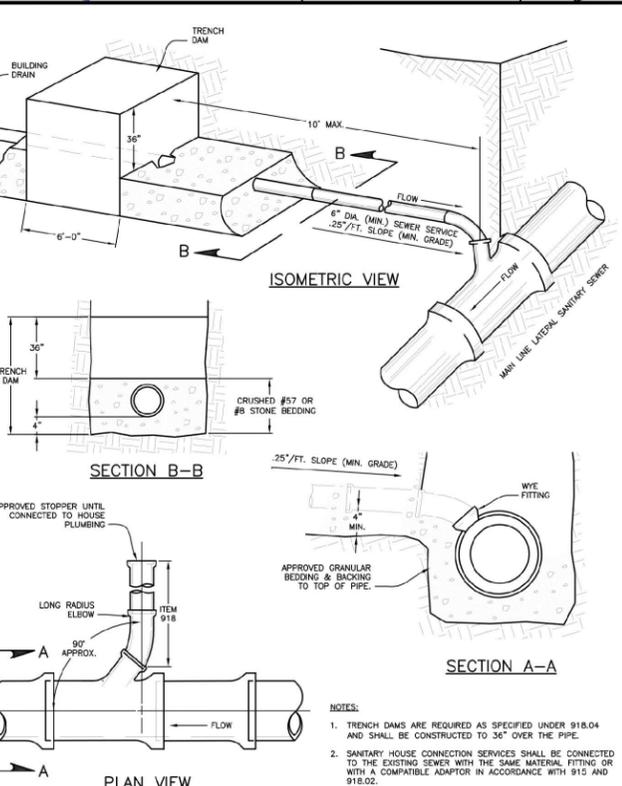
- STEPS SHALL MEET THE REQUIREMENTS OF ASTM C478, AND SHALL BE INSTALLED WITH A UNIFORM VERTICAL SPACING OF 12\"/>
- STEPS INSTALLED IN EXISTING STRUCTURES SHALL BE SET IN A QUICK SETTING NON-SHRINK EPOXY.
- STEPS SHALL CONFORM TO MATERIAL REQUIREMENTS OF CMS 711.31. ALL STEPS SHALL HAVE A DEPRESSED TREAD OR 1/2\"/>
- THE ENGINEER MAY REQUIRE THE CONTRACTOR TO TEST LOAD A MAXIMUM OF ONE STEP PER STRUCTURE PER ASTM C478. IF THE SELECTED STEP FAILS THE ASTM TEST, THE REMAINING STEPS IN THAT STRUCTURE SHALL ALSO BE TESTED. ALL STEPS NOT PASSING THE ASTM TEST SHALL BE REMOVED. ALL NEW STEPS SHALL BE TESTED PER ASTM C478. THE COST OF TESTING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR SAID STRUCTURE.



NOTES:

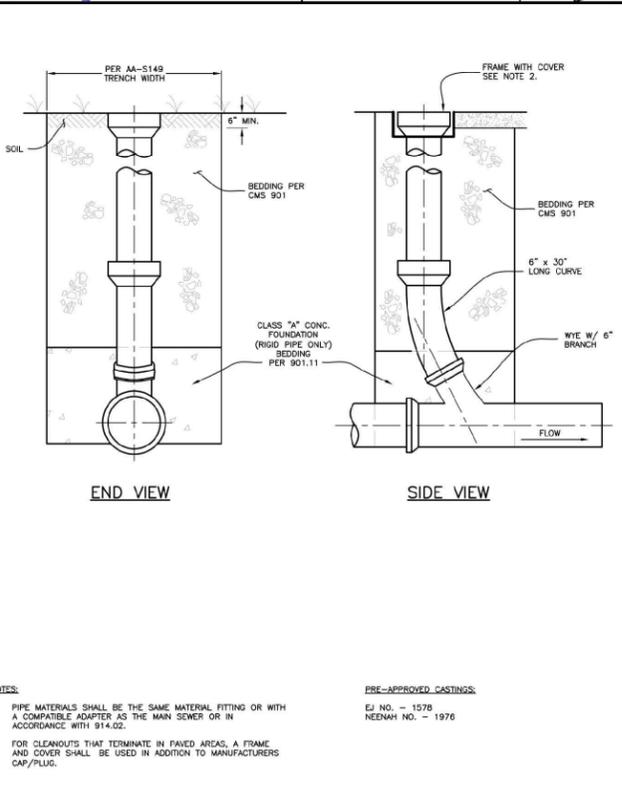
- SECTIONS SYMMETRICAL ABOUT C.
- PIPE DIMENSIONS ON CHART ARE MINIMUM AND EXPRESSED IN INCHES.
- FOR SANITARY SEWER CONSTRUCTION TRENCH DAMS ARE REQUIRED AS SPECIFIED UNDER 901.11.
- PROVIDE EMBEDMENT IN ACCORDANCE WITH THE RECOMMENDATIONS OF ASTM D2321, 7.5.
- ENCASEMENT TO BE CLASS 'A' CONCRETE, ITEM 905.
- THE PIPE SHALL BE SUPPORTED BY 12\"/>
- BLOCKING SHALL HAVE THE LENGTH SHOWN IN THE CHART OR OF SUFFICIENT LENGTH SO THAT THE PIPE LOAD ON THE SUBGRADE SHALL NOT EXCEED 3,000 LBS/SF. SEE CHART FOR MINIMUM BLOCKING LENGTHS.

DIA	W ₁	L
6"	30"	12"
8"	30"	12"
10"	30"	12"
12"	30"	12"
15"	36"	12"
18"	40"	12"
21"	44"	12"
24"	48"	12"
27"	52"	12"
30"	56"	12"
36"	64"	18"
42"	72"	21"
48"	80"	24"
60"	96"	30"



NOTES:

- TRENCH DAMS ARE REQUIRED AS SPECIFIED UNDER 918.04 AND SHALL BE CONSTRUCTED TO 36\"/>
- SANITARY HOUSE CONNECTION SERVICES SHALL BE CONNECTED TO THE EXISTING SEWER WITH THE SAME MATERIAL, FITTING OR WITH A COMPATIBLE ADAPTOR IN ACCORDANCE WITH 918 AND 918.02.



NOTES:

- PIPE MATERIALS SHALL BE THE SAME MATERIAL FITTING OR WITH A COMPATIBLE ADAPTER AS THE MAIN SEWER OR IN ACCORDANCE WITH 914.02.
- FOR CLEANOUTS THAT TERMINATE IN FAUCED AREAS, A FRAME AND COVER SHALL BE USED IN ADDITION TO MANUFACTURERS CAP/PLUG.

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
TYPE "C" MANHOLE
STANDARD DRAWING AA-S102
REVISED 12/6/13
PAGE 1

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
PRECAST MANHOLE
BASE CHANNEL DETAIL
STANDARD DRAWING AA-S117
REVISED 7/9/12
PAGE 1

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
MANHOLE STEP
STANDARD DRAWING AA-S119
REVISED 8/8/14
PAGE 1

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
TYPE I BEDDING FOR
FLEXIBLE SEWER PIPE
6" TO 60" DIAMETER
STANDARD DRAWING AA-S149
REVISED 10/15/14
PAGE 1

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
TYPICAL SANITARY
HOUSE SERVICE
CONNECTION
STANDARD DRAWING AA-S160
REVISED 4/28/25
PAGE 1

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE & DRAINAGE
TYPICAL CLEANOUT
STANDARD DRAWING AA-S161
REVISED 12/6/13
PAGE 1

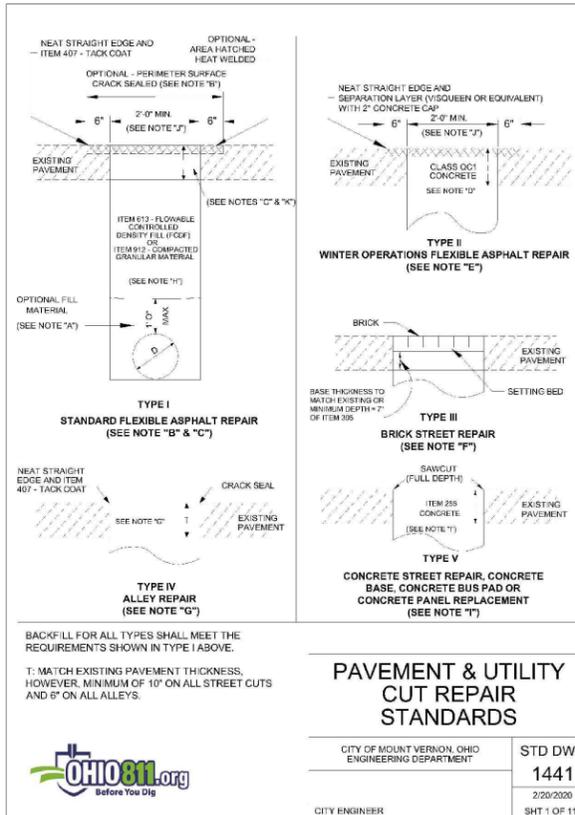
NO SCALE

CITY OF MOUNT VERNON
COTTAGE STREET
SANITARY SEWER EXTENSION

SANITARY DETAILS

DESIGNED DVH
DRAWN DVH
CHECKED REVISED
DATE 02-13-2026

CITY OF MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT



SPECIAL NOTES

NOTE 'A': FLOWABLE CONTROL DENSITY FILL WHEN USING FLOWABLE CONTROLLED DENSITY FILL (FCDF), THE OPTIONAL FILL AREA OVER THE CONDUIT MAY BE BACKFILLED WITH SAND, GRANULAR MATERIAL, OR OTHER SUITABLE 912 MATERIAL, FOR A DISTANCE NOT TO EXCEED 1 FT. A PROTECTIVE BARRIER OF VISQUEEN OR SIMILAR MATERIAL IS PERMITTED.

NOTE 'B': TYPE I PAVEMENT REPAIR SEALING FOR TYPE I PAVEMENT REPAIR SEALING OPTIONS - THE FOLLOWING METHODS ARE PERMITTED:

- CRACK SEALING METHOD: SEAL THE PERIMETER SURFACE OF THE REPAIRED AREA BY APPLYING A NOMINAL 4 INCH STRIP OF APPROVED ITEM 702.173 OR 702.17C MATERIAL.
- HEAT WELD METHOD: FOR PAVEMENT REPAIR LOCATIONS, THE AREA TO BE HEAT WELDED IS TO INCLUDE THE CUT AND EXTEND FOR 6 INCHES BEYOND EACH SIDE OF THE CUT FOR A NOMINAL DEPTH OF 2 INCHES.

NOTE 'C': TYPE I PAVEMENT REPAIR RESURFACING FOR TYPE I PAVEMENT REPAIR APPLICATIONS, THE FOLLOWING METHODS ARE PERMITTED:

- IF LANE WIDTH TO BE RESURFACED: USE ITEM 441 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PLACED IN LIFTS NOT EXCEEDING 3 INCHES TO REPAIR PAVEMENT TO THE SURFACE DURING THE LATER MILL AND ASPHALT OVERLAY OPERATION, USE ITEM 441 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1.
- IF NO LANE WIDTH RESURFACING: USE ITEM 441 ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PLACED IN LIFTS NOT EXCEEDING 3 INCHES AND/OR ITEM 441 ASPHALT CONCRETE, SURFACE COURSE, TYPE 1 PLACED AT A MAXIMUM 2 INCH LIFT THICKNESS. THE INTERMEDIATE COURSE MATERIAL IS NOT PERMITTED AS THE FINAL SURFACE COURSE.

ENSURE THAT EACH LIFT IS THOROUGHLY COMPACTED TO A SUITABLE DENSITY THAT WILL NOT RESULT IN DISPLACEMENT UNDER TRAFFIC.

TRENCHES THAT REQUIRE FULL LANE RESURFACING SHALL INCLUDE FULL LANE RESURFACING ON ALL CONNECTING TRENCHES ALONG ADJACENT STREETS (UTILITY SERVICE REPAIRS SHALL BE AS PER SHEET 7 AND 8.) REGARDLESS OF THE LENGTH OF THE CONNECTING TRENCH.

THE CONTRACTOR SHALL FULLY COMPLY WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN FOR RAMP RESTORATION.

WHEN AN EXCAVATION EXCEEDS 100 FT IN LENGTH, THE REPAIR SHALL INCLUDE ITEM 254 PLANING OF A FULL LANE WIDTH (OR ANY OTHER LANE WIDTH AS DIRECTED BY THE DEPARTMENT OF PUBLIC SERVICE) TO A DEPTH OF 1-1/2 INCHES FOR THE ENTIRE LENGTH OF THE EXCAVATION. CARE SHALL BE TAKEN TO NOT INTRODUCE ADDITIONAL LONGITUDINAL PAVEMENT JOINTS. WHERE THE PROPOSED RESURFACING IS IN CLOSE PROXIMITY TO AN EXISTING LONGITUDINAL JOINT, THE RESURFACING SHALL BE EXTENDED TO MEET OR OVERLAP THAT JOINT. THE PLANED AREA SHALL THEN BE THOROUGHLY TACKED USING ITEM 407.02 MATERIAL PRIOR TO PLACING AND COMPACTING APPROVED ASPHALT CONCRETE WITH A PAVER IN ACCORDANCE WITH CURRENT CITY STANDARD SPECIFICATIONS. ITEM 423 - CRACK SEALING, TYPE 1 SHALL BE APPLIED TO EXPOSED JOINTS ONCE THE PAVING OPERATION HAS BEEN COMPLETED.

WHEN AN EXCAVATION CROSSES LANES, ALL LANES AFFECTED SHALL REQUIRE PLANING AND RESURFACING AS DESCRIBED ABOVE. THIS WORK SHALL INCLUDE ALL OF THE AFFECTED PAVEMENT AREA. WHEN EXCAVATION WORK FOR LATERALS CROSS LANES AT A FREQUENCY OF 2 OR MORE TRENCHES WITHIN 100 FT OF ROADWAY, THE REPAIR SHALL INCLUDE THE RESURFACING OF A FULL LANE WIDTH AS DESCRIBED ABOVE FOR THE AFFECTED LANES EXTENDING A MINIMUM OF 2 FT BEYOND THE LATERAL EXCAVATIONS LOCATED FARTHEST APART.

PAVEMENT & UTILITY CUT REPAIR STANDARDS

CITY OF MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT

STD DWG
1441
2/20/2020
SHT 4 OF 11

SPECIAL NOTES

WHEN 2 OR MORE PAVEMENT REPAIRS ARE LOCATED WITHIN 100 FT OF EACH OTHER IN THE SAME LANE, THE REPAIR SHALL INCLUDE THE RESURFACING OF A FULL LANE WIDTH AS DESCRIBED ABOVE OF THE EFFECTED LANES EXTENDING A MINIMUM OF 2 FT BEYOND THE PAVEMENT REPAIRS LOCATED FARTHEST APART.

IF APPROVED BY THE CITY OF MOUNT VERNON, WHEN A PAVEMENT REPAIR AREA IS GREATER THAN 6 FT IN WIDTH AND/OR GREATER THAN 100 FT IN LENGTH, THE PAVEMENT REPAIR SECTION MAY CONFORM TO 3 INCHES OF ITEM 441 ASPHALT CONCRETE ON 7 INCHES OF ITEM 305 ASPHALT CONCRETE BASE (PLACED IN 2 LIFTS). LANE WIDTH RESURFACING REQUIREMENTS STILL APPLY. THIS OPTION MUST BE NOTED ON THE PERMIT APPLICATION AND APPROVED BY THE CITY OF MOUNT VERNON.

NOTE 'D': WINTER ASPHALT PAVEMENT REPAIRS
FAST SET CONCRETE IS REQUIRED FOR ALL WINTER REPAIRS. ALL REPAIRS IN THE TRAVELED WAY SHALL BE STEEL PLATED UNTIL CURED. THE REPAIR SHALL HAVE A 2-IN CONCRETE CAP WITH A SEPARATION LAYER. FOLLOWING WINTER CONDITIONS, THE CONCRETE CAP AND VISQUEEN SHALL BE REMOVED AND REPLACED WITH ASPHALT SURFACE COURSE.

NOTE 'E': TYPE II TEMPORARY COLD MIX PLACEMENT
THE TEMPORARY COLD MIX IS TO BE REPLACED WITH ITEM 441 ASPHALT CONCRETE FOLLOWING TYPE 1 PAVEMENT REPAIR PROCEDURES. THIS WORK SHALL BE PERFORMED AS SOON AS ASPHALT IS AVAILABLE.

NOTE 'F': TYPE III REPAIR OF BRICK STREETS

- THE CITY OF MOUNT VERNON MAINTAINS TWO TYPES OF BRICK STREETS: 1) HISTORICAL BRICK STREETS; AND 2) NEWER STYLE ROADWAY PAVEMENT STREETS THAT COMPLY WITH SUPPLEMENTAL SPECIFICATION 1524. WHEN EXCAVATING AND REPAIRING BRICK STREETS, THE MATERIAL USED FOR REPLACEMENT SHALL MATCH THE EXISTING.
- BRICKS OR PAVERS REMOVED FROM A REPAIR AREA SHALL BE STORED IN A SAFE PLACE BY THE CONTRACTOR FOR REUSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY BRICKS OR PAVERS THAT ARE STOLEN OR DAMAGED, AT NO ADDITIONAL COST TO THE CITY.
- IF BRICKS OR PAVERS ARE SUPPLIED BY THE CONTRACTOR, THEY MUST CLOSELY MATCH THE EXISTING BRICKS OR PAVERS AND FIRST BE APPROVED BY THE CITY BEFORE THEY ARE USED.
- SAW CUTTING: ALL PARTIAL BRICKS SHALL BE SAWCUT. FURTHER, NO BRICK WILL BE PERMITTED TO BE CUT FOR REPLACEMENT, TO A LENGTH LESS THAN 1/2 ITS ORIGINAL LENGTH. THIS MAY REQUIRE SAW CUTTING OF ADJACENT UNDISTURBED BRICK(S).
- DURING REMOVAL OF THE EXISTING BASE MATERIAL, IT SHALL BE CUT BACK TO AS NEARLY VERTICAL AS POSSIBLE. IF SHEARING OF THE ADJACENT BASE RESULTS, THE CONTRACTOR SHALL REMOVE ADDITIONAL BASE MATERIAL UNTIL A VERTICAL FACE IS ACHIEVED.
- DURING INSTALLATION, THE BRICK IS TO BE RESET IN REASONABLY CLOSE CONFORMITY TO THE PATTERN OF THE EXISTING BRICK PAVEMENT ON A SETTING BED OVER ITEM 305 CONCRETE BASE. THE SETTING BED FOR HISTORICAL BRICK STREETS SHALL CONSIST OF 1 INCH OF SAND; WHEREAS, 3/4-INCH BITUMINOUS SETTING BED FOR NEWER STYLE ROADWAY PAVERS. THE CONCRETE BASE THICKNESS SHALL MATCH THE EXISTING BASE OR A MINIMUM OF 7 INCHES.

6A. HISTORICAL BRICKS WITHOUT SPACING LUGS: THE MAXIMUM WIDTH OF A BRICK MORTAR JOINT SHALL BE 1/2 INCH. THIS RESTRICTION SHALL ALSO APPLY TO THE JOINT FORMED ADJACENT TO THE PERIMETER OF A REPAIR AREA WHERE THE ROWS MAY NOT BE PARALLEL TO ONE ANOTHER. ALL JOINTS SHALL BE MORTARED WITH A 50/50 MIXTURE BY VOLUME OF SAND AND CEMENT SO AS TO PROVIDE A FLUSH FINISH. THIS MAY REQUIRE MORE THAN ONE APPLICATION. FURTHER, MECHANICAL VIBRATION WILL BE REQUIRED FOR CONSOLIDATION OF DRY MORTAR MIX.

PAVEMENT & UTILITY CUT REPAIR STANDARDS

CITY OF MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT

STD DWG
1441
2/20/2020
SHT 6 OF 11

SPECIAL NOTES

68. NEWER STYLE ROADWAY PAVERS: INSTALLATION AND MATERIALS SHALL MEET THE REQUIREMENTS OF COLUMBUS SUPPLEMENTAL SPECIFICATION 1524.

NOTE 'G': TYPE IV ALLEY REPAIR
FOR ALLEY REPAIRS, THE PAVEMENT REPLACEMENT SHALL CONFORM TO THE TYPE AND THICKNESS OF THE EXISTING PAVEMENT. CHIP AND SEAL TYPE ALLEYS SHALL REQUIRE MATCHING THE EXISTING THICKNESS OF PAVEMENT WITH THE APPROPRIATE COMBINATION OF MATERIALS BASED ON THE SIZE OF THE EXCAVATION. THE MINIMUM PAVEMENT THICKNESS SHALL CONSIST OF 6 INCHES OF ITEM 441 ASPHALT CONCRETE. FINISHED CONCRETE PAVEMENT IS NOT PERMITTED. MATERIALS USED SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CMSC.

IF MORE THAN 1/3 OF THE WIDTH OF AN ALLEY IS REMOVED, THE PAVEMENT SHALL BE REPLACED AS PER TYPE 1 AND THEN OVERLAYED OVER THE TOTAL WIDTH OF PAVEMENT AND LENGTH OF TRENCH.

NOTE 'H': ITEM 912 - COMPACTED GRANULAR MATERIAL
THIS METHOD OF BACKFILL CAN ONLY BE USED WITH FULL TIME CITY INSPECTION. AN INSPECTION FEE MUST BE POSTED WHEN THE PERMIT IS ISSUED.

NOTE 'I': CONCRETE BASE OR FULL DEPTH CONCRETE PAVEMENT
IF PAVING REQUIREMENTS ALLOW FOR SUFFICIENT CURING TIME SO THAT FAST SETTING CONCRETE IS NOT NEEDED, STANDARD CONCRETE BASE OR FULL DEPTH CONCRETE PAVEMENT MAY BE PLACED AS PER CMSC ITEM 255. THIS OPTION MUST BE NOTED ON THE PERMIT APPLICATION AND APPROVED BY THE CITY OF COLUMBUS.

FULL DEPTH CONCRETE PAVEMENT IF THE UTILITY TRENCH CUT IS WITHIN 6 FT OF A TRANSVERSE OR LONGITUDINAL JOINT, THE LIMITS OF THE REPAIR SHALL EXTEND TO THE JOINT. THIS MAY REQUIRE THE ENTIRE PANEL TO BE REPLACED. AT A MINIMUM, THE LIMITS OF THE CONCRETE REPAIR SHALL EXTEND 1 FT BEYOND THE LIMITS OF THE TRENCH. THE ENTIRE IMPACTED CONCRETE PANEL SHALL BE REPLACED WHEN THE UTILITY CUT IS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT.

PAVEMENT WITH A CONCRETE BASE THE NEW CONCRETE BASE THICKNESS SHALL MATCH THE EXISTING (7 INCHES MINIMUM) AND IT SHALL BE PLACED TO THE LEVEL OF THE ADJACENT CONCRETE BASE WITH 3 INCHES OF ITEM 441 ASPHALT CONCRETE OVERLAY. LANE WIDTH RESURFACING REQUIREMENTS OF TYPE 1 STILL APPLY.

NOTE 'J': MINIMUM TRENCH RESTORATION WIDTH
THE TRENCH WIDTH FOR SMALL PIPES AND CONDUITS SHALL BE OF SUFFICIENT WIDTH TO ALLOW FOR THE PROPER PLACEMENT OF THE BACKFILL MATERIAL. THE PAVEMENT PORTION OF THE TRENCH SHALL BE A MINIMUM OF 2 FT IN WIDTH. THIS IS TO ALLOW FOR THE PROPER COMPACTION OF THE ASPHALT PAVEMENT. IF THE TRENCH FOR PLACING CONDUIT IS NARROWER THAN 2 FT THEN THE PAVEMENT PORTION SHALL BE CUT BACK TO PROVIDE THE 2 FT MINIMUM FOR PAVING OPERATIONS.

NOTE 'K': TEMPORARY CONCRETE PAVEMENT
CONCRETE MAY BE USED AS A PAVEMENT REPAIR OPTION AND A TEMPORARY PAVEMENT SURFACE FOR TYPE 1 PAVEMENT REPAIR IF APPROVED BY THE CITY. THE CONCRETE SHALL BE PLACED PER CMSC ITEM 255 AND FOLLOW THE REQUIREMENTS OF TYPE I PAVEMENT REPAIR. THREE (3) INCHES OF ITEM 441 ASPHALT OVERLAY WILL BE REQUIRED OVER THE CONCRETE WHEN WORK IS COMPLETED. THIS OPTION MUST BE NOTED ON THE PERMIT APPLICATION AND APPROVED BY THE CITY OF COLUMBUS.

NOTE 'L': SURFACE REPAIR SHAPE
THE SURFACE REPAIR OF ALL IRREGULAR-SHAPED EXCAVATIONS SHALL ALWAYS BE A RECTANGLE WITH PARALLEL SIDES THAT ARE PERPENDICULAR TO THE DIRECTION OF TRAVEL OF THE ROADWAY.

PAVEMENT & UTILITY CUT REPAIR STANDARDS

CITY OF MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT

STD DWG
1441
2/20/2020
SHT 6 OF 11

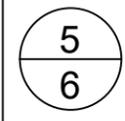
NO SCALE

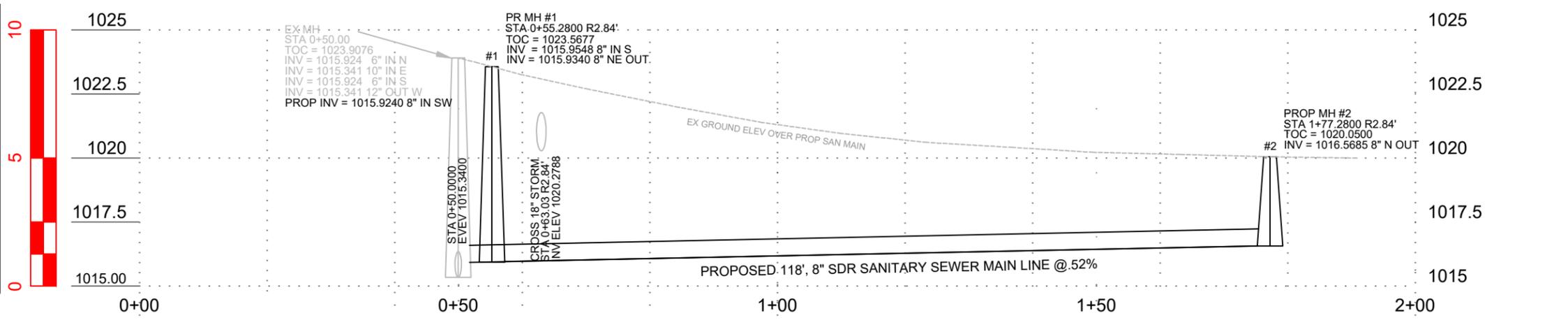
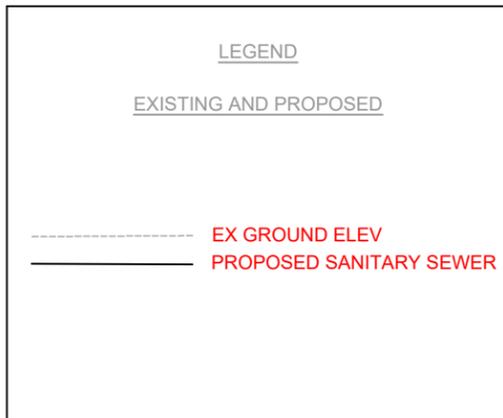
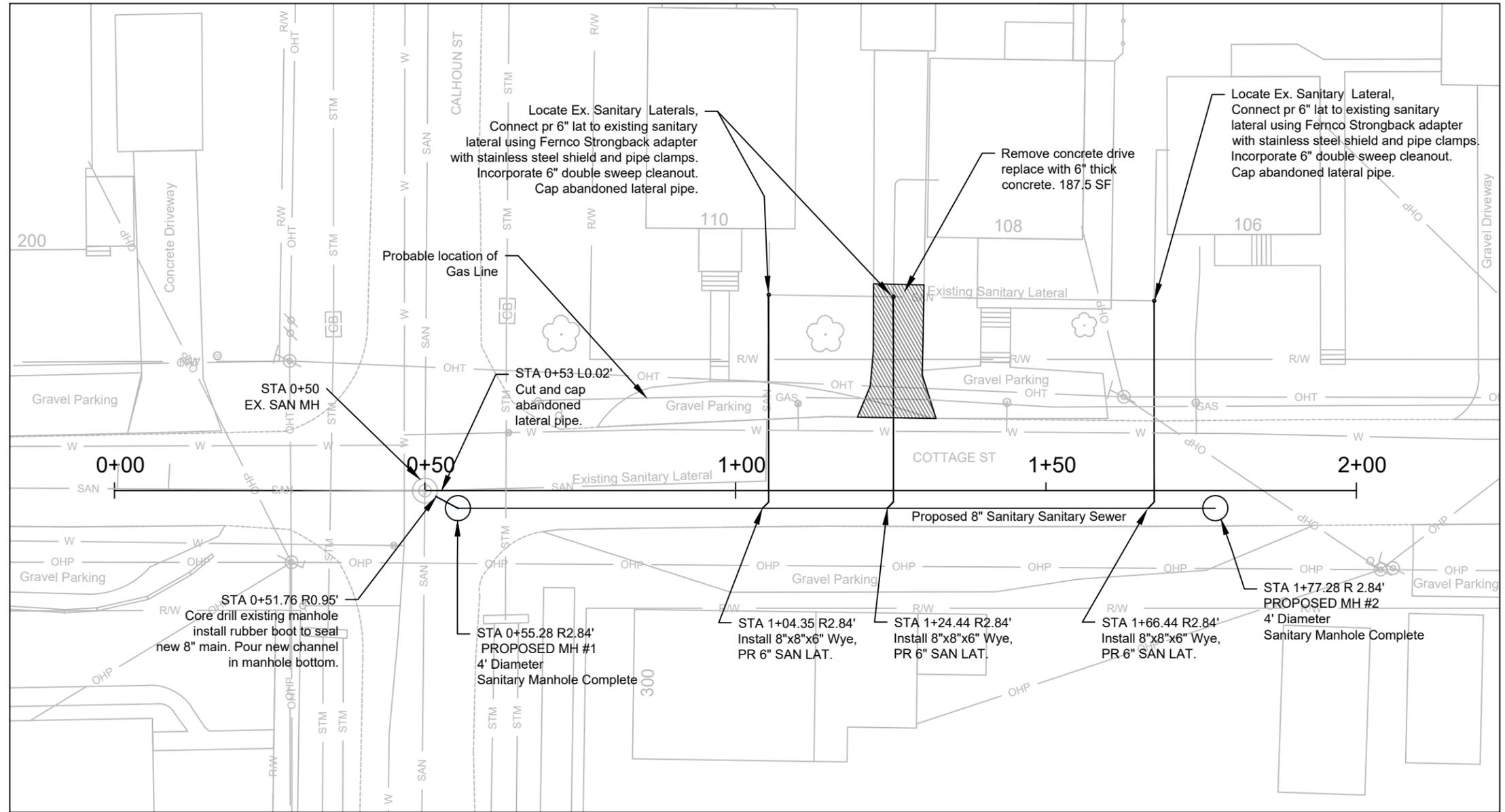
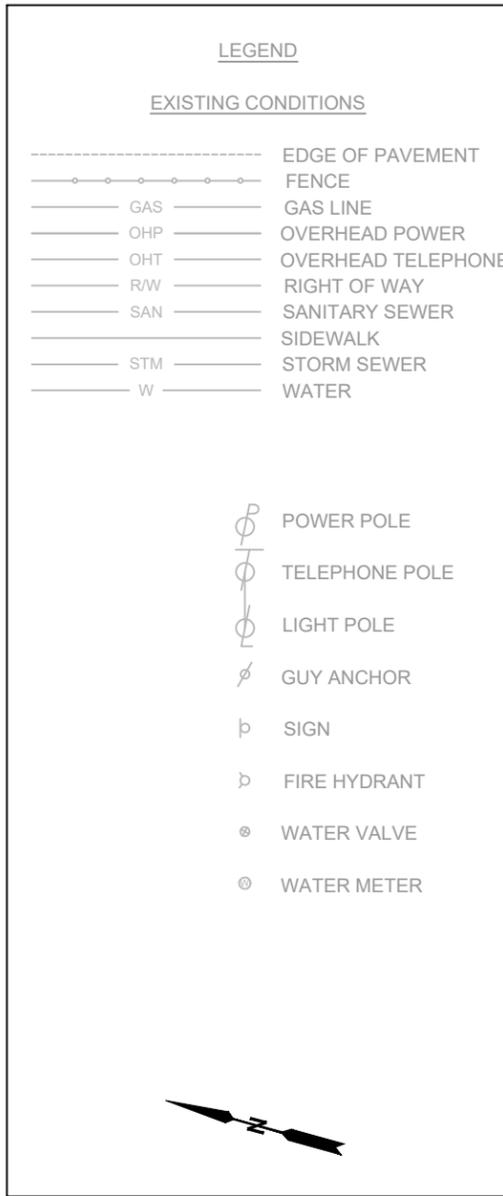
CITY OF MOUNT VERNON
COTTAGE STREET
SANITARY SEWER EXTENSION

ROAD REPAIR DETAILS #1441

DESIGNED	DRAWN	DATE
DVH	DVH	02-13-2026
CHECKED	REVISED	

CITY OF
MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT





CITY OF MOUNT VERNON
COTTAGE STREET
SANITARY SEWER EXTENSION

SANITARY PLAN & PROFILE

DESIGNED DVH	DRAWN DVH	DATE 02-13-2026
CHECKED	REVISED	

CITY OF
MOUNT VERNON, OHIO
ENGINEERING DEPARTMENT