THIS PROJECT INVOLVES THE REHABILITATION OF THE KNOX CO. CATTLE DAM.

INDEX OF SHEETS:

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Ohio Utilities Protection Service before you dig

> PLAN PREPARED BY: CITY OF MOUNT VERNON, OHIO ENGINEERING DEPARTMENT

KNOX CATTLE CO. DAM REHABILITATION

CITY OF MOUNT VERNON, KNOX COUNTY, OHIO

PROJECT NO. 2122502

2024

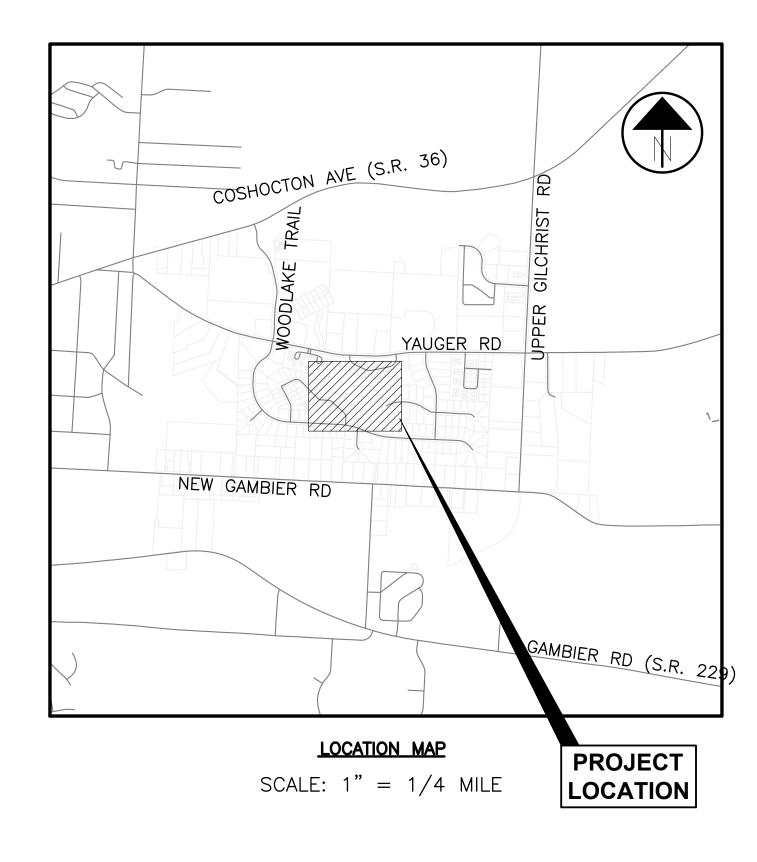


INDEX MAP SCALE: 1" = 200'

DAM INFORMATION

DAM ID No.: #0H01856 OWNER: The Landings Property Owners Association, Inc. RECEIVER (ON BEHALF OF OWNER): Intercept Management Corp REGULATING AUTHORITY: The City of Mount Vernon

REVISION DATE	DESCRIPTION OF REVISIONS	SHEETS REVISED



ADMINISTRATION

MATTHEW T. STARR		MAYOR
TANNER SALYERS	SAFETY-SERVICE	DIRECTOR
P. ROBERT BROEREN, JR	LAW	DIRECTOR
PAUL MAYVILLE		AUDITOR
BRIAN W. BALL, P.E.	CITY	ENGINEER

CITY COUNCIL

BRUCE HAWKINS	PRES	SIDENT
JAMES MAHAN	FIRST	WARD
JOHN RUCKMAN	SECOND	WARD
TAMMY WOODS	THIRD	WARD
MIKE MILLER	FOURTH	WARD
AMBER KEENER	AT-	LARGE
MEL SEVERNS	AT-	LARGE
JANIS SEAVOLT	AT-	LARGE

DATE BRIAN W. BALL, P.E. CITY ENGINEER

TANNER SALYERS DATE SAFETY-SERVICE DIRECTOR

OHIO

OF.

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 UNITED STATES ARMY CORPS OF ENGINEERS ENGINEERING MANUALS EM 1110-2-1911, EM 1110-2-2300, AND EM 1110-2-2902 ARE INCLUDED FOR INFORMATION ONLY.
- 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 RFIS, 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.

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.

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 REFERENCE. IN 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 BEFORE EXCAVATING AT OR NEAR SAID 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 MAKERS, 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 THE CONTRACTOR UNDER THIS CONTRACT.

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 CORS NETWORK.

SURVEY NOTE

BASEMAP DATA REFERENCED FROM BATHYMETRIC & UTILITY SURVEY PREPARED BY THE KLEINGERS GROUP, DATED 12/05/2019.

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 AFFECTED 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.

<u>EASEMENTS</u>

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.

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.

<u>PERMITS</u>

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) 393-9528.

SAFETY REQUIREMENTS

THE CONTRACTOR AND SUBCONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR(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, PORT 1910.146 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.

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.

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.

CONSTRUCTION LAYOUT/STAKING

INITIAL CONSTRUCTION LAYOUT SERVICES FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR. ANY RE-STAKING NEEDED 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.

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 AT THE RATE OF 2.5 TIMES 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.

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.

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.

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 CONSTRUCTION OR 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.

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.

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.

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.

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.

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 APPROVAL OF THE CITY ENGINEER. THE BRANCHES SHALL BE REMOVED 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 POINTED 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.

SIGNS, MAILBOXES, FENCES, ETC.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING SIGNS, MAILBOXES, FENCES, GUARDRAIL, 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.

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 INDICATED 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.

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 OPERATIONS TO THE SATISFACTION 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.

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 STRATUM. IF POSSIBLE, THE DRAIN TILE AND/OR STORM SEWER 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.

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, UNLESS SPECIFIC PROVISION IS MADE WITHIN THE CONTRACT DOCUMENTS FOR THE MEASURE OF AND PAYMENT FOR SUCH SPECIFIC ITEMS, TO A CONDITION SATISFACTORY TO THE CITY OF MOUNT VERNON.

DEWATERING/BYPASS PUMPING

THE UNITED STATES ARMY CORPS OF ENGINEERS ENGINEERING MANUAL
THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL DEWATERING 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 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 REVISED CODE AND ALL APPLICABLE REQUIREMENTS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES. IN ADDITION, ANY SUCH FACILITY THAT HAS A CAPACITY TO WITHDRAW WATERS OF 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 1521.16 OF THE OHIO REVISED 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 3745-9-10 OF THE OHIO ADMINISTRATIVE CODE OR IN ACCORDANCE WITH THE PROVISION 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 DISRUPTED BY THE CONSTRUCTION ACTIVITIES. BYPASS PUMPING MUST PROVIDE FOR POSSIBLE STORM FLOWS THAT MAY TYPICALLY BE 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 CONVEY ALL WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER 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 TO PLACE AND MAINTAIN THE NECESSARY SEDIMENT CONTROL MEASURES TO FILTER THE DEWATERING DISCHARGE.

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.

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 SERVICE LATERALS 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 (OGPUPS) 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 SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE CITY OF MOUNT VERNON INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.

TELEPHONE: VERIZON BUISNESS 120 RAVINE STREET AKRON, OHIO 44303 PHONE: 330-535-9056 PHONE: AL GUEST

COLUMBIA GAS 200 CIVIC CENTER DRIVE, 12TH FL. COLUMBUS, OHIO 43215 PHONE: 800-440-6111 ATTN: JERROD SWINEHEART

CENTURY LINK 203 W. 9TH STREET LORAIN, OHIO 44502 ATTN: ENGINEERING DEPT.

STORM SEWER: CITY OF MOUNT VERNON 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43050 PHONE: 740-393-9528

SPECTRUM COMMUNICATIONS 1266 DUBLIN ROAD, PO BOX 2553 COLUMBUS, OHIO 43216-2553 PHONE: 614-481-5263 ATTN: KEVIN RICH

AMERICAN ELECTRIC POWER 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 PHONE: 740-883-6871 ATTN: ROD SLONEKER

SANITARY SEWER: CITY OF MOUNT VERNON 40 PUBLIC SQUARE MOUNT VERNON, OHIO 43050 PHONE: 740-393-9528

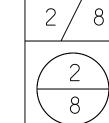
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EXCAVATIONS AND TRENCHES FOR NON-WORKING HOURS

EXCAVATIONS AND TRENCHES OVER 24 INCHES DEEP SHALL 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.

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.

EXISTING DRAINAGE SYSTEMS

PRICE BID FOR THE VARIOUS ITEMS.

EXISTING DRAINAGE SYSTEMS (FIELD TILES, ROOF DRAIN OUTLETS, SUMP PUMPS, ETC.) ENCOUNTERED DURING CONSTRUCTION OF THE NEW STORM SEWER OR REMOVAL OF EXISTING STORM SEWERS SHALL BE EXTENDED AS NECESSARY, AND CONNECTED TO THE PROPOSED STORM SEWER OR CULVERT BY BLIND TAPPING TO THE 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 ILLICIT 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.

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 NEW STRUCTURES AT 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. IF 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-GRADING, ETC.

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.

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.

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.

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 ANYTIME DURING PROJECT CONSTRUCTION. 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.

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.

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.

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.

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.

ALL AREAS IN THE RIGHT-OF-WAY ARE TO BE GRADED AND SEEDED AS SOON AS WORK IN THAT AREA IS COMPLETE.

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.

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 CONSTRUCTION DEBRIS FROM ALL CURBS, GUTTERS, STRUCTURES, OR NON-SCHEDULED STREETS WHICH HAVE BEEN MARRED OR DEFACED DURING THE PROCESS OF TRANSPORTING OR APPLYING ANY CONSTRUCTION RELATED MATERIALS

MAINTENANCE OF TRAFFIC

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.

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.

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.

TRAFFIC CONTROL SHALL FOLLOW THE PROCEDURES DESCRIBED IN THE OMUTCD USING SIGNAGE AND TWO (2) FLAGGERS.

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.

ALL LANES OF TRAFFIC MUST BE MAINTAINED ON ALL ROADS DURING NON-WORKING HOURS.

<u>SUPPLEMENTAL NOTES:</u>

1.6.4 PRECONSTRUCTION MEETING

CONDUCT A PRECONSTRUCTION MEETING AT THE JOBSITE AT LEAST FIVE BUSINESS DAYS PRIOR TO THE START OF EARTHWORK OPERATIONS ON THE PROJECT. THE PRECONSTRUCTION MEETING IS TO BE ARRANGED BY THE CONTRACTOR AND IS TO FOLLOW THE WRITTEN AGENDA SUBMITTED PRIOR TO THE MEETING. THE PURPOSE OF THIS MEETING IS TO REVIEW THE REQUIREMENTS OF THIS SPECIFICATION AND THE ASSOCIATED PLANS. THE FOLLOWING INDIVIDUALS MUST BE IN ATTENDANCE AT THIS MEETING: CONTRACTOR'S PROJECT MANAGER AND PROJECT SUPERINTENDENT, EARTHWORK SUBCONTRACTOR'S PROJECT MANAGER AND SITE FOREMAN, CONTRACTOR'S GEOTECHNICAL ENGINEER AND TESTING AGENCY, GOVERNMENT GEOTECHNICAL ENGINEER AND CIVIL ENGINEER, AND GOVERNMENT CONSTRUCTION MANAGER AND ENGINEERING TECHNICIAN.

THE MINUTES OF THIS MEETING ARE TO BE RECORDED BY THE CONTRACTOR AND PUBLISHED VIA EMAIL WITHIN 48 HOURS TO ALL ATTENDEES. THE MINUTES MUST BE RE-PUBLISHED WITHIN 48 HOURS VIA EMAIL PENDING ANY SUBSEQUENT COMMENTS FROM THE ATTENDEES.

CITY WILL COORDINATE SOILS TESTING OF ONSITE MATERIALS AND ANY OFFSITE BARROW MATERIALS REQUIRED FOR THIS PROJECT.

3.1 PROTECTION

PERFORM ALL WORK SPECIFIED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). THE CITY WILL PROVIDE A GEOTECHNICAL ENGINEER TO MONITOR CONSTRUCTION ACTIVITIES. USE EQUIPMENT OF TYPE AND SIZE APPROPRIATE FOR THE SITE CONDITIONS (SOIL CHARACTER AND MOISTURE CONTENT). MAINTENANCE OF EXPOSED SUBGRADES AND FILLS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO PREVENT DAMAGE BY INEFFECTIVE DRAINAGE, DEWATERING, AND HEAVY LOADS AND EQUIPMENT BY IMPLEMENTING PRECAUTIONARY MEASURES. REPAIR OR REPLACE ANY DEFECTS OR DAMAGE.

3.1.2 UNDERGROUND UTILITIES

LOCATION OF THE EXISTING UTILITIES INDICATED IS APPROXIMATE. PHYSICALLY VERIFY THE LOCATION AND ELEVATION OF THE EXISTING UTILITIES INDICATED PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

3.1.3 DRAINAGE AND DEWATERING

PROVIDE FOR THE COLLECTION AND DISPOSAL OF SURFACE AND SUBSURFACE WATER ENCOUNTERED DURING CONSTRUCTION. CONSTRUCT STORM DRAINAGE FEATURES (PONDS/BASINS) AT THE EARLIEST STAGES OF SITE DEVELOPMENT, AND THROUGHOUT CONSTRUCTION GRADE THE CONSTRUCTION AREA TO PROVIDE POSITIVE SURFACE WATER RUNOFF AWAY FROM THE CONSTRUCTION ACTIVITY AND PROVIDE TEMPORARY DITCHES, SWALES, AND OTHER DRAINAGE FEATURES AND EQUIPMENT AS REQUIRED TO KEEP SOILS FROM BECOMING UNSTABLE, PREVENT EROSION, OR UNDERMINING OF FOUNDATIONS. REMOVE UNSTABLE MATERIAL FROM WORKING PLATFORMS FOR EQUIPMENT OPERATION AND SOIL SUPPORT FOR SUBSEQUENT CONSTRUCTION FEATURES AND PROVIDE NEW MATERIAL AS SPECIFIED HEREIN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASSESS THE SITE CONDITIONS TO EMPLOY NECESSARY MEASURES TO PERMIT CONSTRUCTION TO PROCEED.

CONTROL GROUNDWATER FLOWING TOWARD OR INTO EXCAVATIONS TO PREVENT SLOUGHING OF EXCAVATION SLOPES AND WALLS, BOILS, UPLIFT AND HEAVE IN THE EXCAVATION AND TO ELIMINATE INTERFERENCE WITH ORDERLY PROGRESS OF CONSTRUCTION. FRENCH DRAINS, SUMPS, DITCHES OR TRENCHES ARE NOT ALLOWED WITHIN 3 FEET OF THE FOUNDATION OF ANY STRUCTURE, EXCEPT WITH SPECIFIC WRITTEN APPROVAL, AND AFTER SPECIFIC CONTRACTUAL PROVISIONS FOR RESTORATION OF THE FOUNDATION AREA HAVE BEEN MADE. PERFORM CONTROL MEASURES BY THE TIME THE EXCAVATION REACHES THE WATER LEVEL IN ORDER TO MAINTAIN THE INTEGRITY OF THE IN-SITU MATERIAL. WHILE THE EXCAVATION IS OPEN, MAINTAIN THE WATER LEVEL CONTINUOUSLY, AT LEAST 1.5 FEET BELOW THE WORKING LEVEL. SUBMIT A DEWATERING WORK PLAN OUTLINING PROCEDURES FOR ACCOMPLISHING DEWATERING WORK.

3.1.4 SHORING AND SHEETING

SUBMIT AN EXCAVATION AND TRENCHING PLAN TO STABILIZE FEATURES, PREVENT UNDERMINING OR UNINTENDED HORIZONTAL AND VERTICAL MOVEMENT OF ADJACENT STRUCTURES, AND PREVENT SLIPPAGE OR MOVEMENT IN BANKS OR SLOPES ADJACENT TO THE EXCAVATION.

3.1.5 PROTECTION OF GRADED SURFACES

PROTECT NEWLY BACKFILLED, GRADED, AND TOPSOILED AREAS FROM TRAFFIC, EROSION, AND SETTLEMENTS THAT MAY OCCUR. REPAIR OR REESTABLISH DAMAGED GRADES, ELEVATIONS, OR SLOPES.

3.3 SURFACE PREPARATION

3.3.1 CLEARING AND GRUBBING

REMOVE TREES, STUMPS, LOGS, SHRUBS, BRUSH AND VEGETATION, AND OTHER ITEMS THAT WOULD INTERFERE WITH CONSTRUCTION OPERATIONS. REMOVE STUMPS ENTIRELY. GRUB OUT MATTED ROOTS AND ROOTS OVER 3 INCHES IN DIAMETER TO AT LEAST 18 INCHES BELOW EXISTING SURFACES.

STRIP SITE WHERE INDICATED ON THE PLANS. STRIP EXISTING SURFACE MATERIALS TO A DEPTH OF 4 INCHES BELOW THE EXISTING GROUND SURFACE IN AREAS DESIGNATED AS DIRECTED BY CITY ENGINEER.

PLACE AND GRADE STOCKPILES OF SATISFACTORY AND UNSATISFACTORY AND WASTED MATERIALS AS DIRECTED BY THE CITY ENGINEER. KEEP STOCKPILES IN A NEAT AND WELL DRAINED CONDITION, GIVING DUE CONSIDERATION TO DRAINAGE AT ALL TIMES. CLEAR, GRUB, AND SEAL BY RUBBER-TIRED EQUIPMENT, THE GROUND SURFACE AT STOCKPILE LOCATIONS; SEPARATELY STOCKPILE EXCAVATED SATISFACTORY AND UNSATISFACTORY MATERIALS. PROTECT STOCKPILES OF SATISFACTORY MATERIALS FROM CONTAMINATION WHICH MAY DESTROY THE QUALITY AND FITNESS OF THE STOCKPILED MATERIAL. DO NOT CREATE STOCKPILES THAT COULD OBSTRUCT THE FLOW OF ANY STREAM, ENDANGER A PARTLY FINISHED STRUCTURE, IMPAIR THE EFFICIENCY OR APPEARANCE OF ANY STRUCTURE, OR BE DETRIMENTAL TO THE COMPLETED WORK IN ANY WAY. IF THE CONTRACTOR FAILS TO PROTECT THE STOCKPILES, AND ANY MATERIAL BECOMES UNSATISFACTORY, REMOVE AND REPLACE SUCH MATERIAL WITH SATISFACTORY MATERIAL FROM APPROVED SOURCES.

<u>3.7 EMBANKMENTS</u>

<u>3.7.1 EARTH EMBANKMENTS</u>

CONSTRUCT EARTH EMBANKMENTS FROM SATISFACTORY MATERIALS FREE OF ORGANIC OR FROZEN MATERIAL AND ROCKS WITH ANY DIMENSION GREATER THAN 3 INCHES. PLACE THE MATERIAL IN SUCCESSIVE HORIZONTAL LAYERS OF LOOSE MATERIAL NOT MORE THAN 8 INCHES IN DEPTH. SPREAD EACH LAYER UNIFORMLY ON A SOIL SURFACE THAT HAS BEEN MOISTENED OR AERATED AS NECESSARY AND SCARIFIED OR OTHERWISE BROKEN UP SO THAT THE FILL WILL BOND WITH THE SURFACE ON WHICH IT IS PLACED. AFTER SPREADING, PLOW, DISK, OR OTHERWISE BREAK UP EACH LAYER; MOISTEN OR AERATE AS NECESSARY: THOROUGHLY MIX: AND COMPACT TO AT LEAST 90 PERCENT LABORATORY MAXIMUM DENSITY FOR COHESIVE MATERIALS OR 95 PERCENT LABORATORY MAXIMUM DENSITY FOR COHESIONLESS MATERIALS. BACKFILL AND FILL MATERIAL ARE TO BE EWITHIN THE RANGE OF MINUS 2 TO PLUS 2 PERCENT OF OPTIMUM MOISTURE] [TO A MOISTURE CONTENT THAT WILL READILY FACILITATE OBTAINING THE SPECIFIED COMPACTION].

FINISH COMPACTION BY SHEEPSFOOT ROLLERS, PNEUMATIC-TIRED ROLLERS, STEEL-WHEELED ROLLERS, VIBRATORY COMPACTORS, OR OTHER APPROVED EQUIPMENT.

3.9 FINISHING/FINISH OPERATIONS

DURING CONSTRUCTION, KEEP EMBANKMENTS AND EXCAVATIONS SHAPED AND DRAINED. MAINTAIN DITCHES AND DRAINS ALONG SUBGRADE TO DRAIN EFFECTIVELY AT ALL TIMES. DO NOT DISTURB THE FINISHED SUBGRADE BY TRAFFIC OR OTHER OPERATIONS. PROTECT AND MAINTAIN THE FINISHED SUBGRADE IN A SATISFACTORY CONDITION UNTIL BALLAST, SUBBASE, BASE, OR PAVEMENT IS PLACED. DO NOT PERMIT THE STORAGE OR STOCKPILING OF MATERIALS ON FINISHED SUBGRADE. DO NOT LAY SUBBASE, BASE COURSE, BALLAST, OR PAVEMENT UNTIL THE SUBGRADE HAS BEEN CHECKED AND APPROVED, AND IN NO CASE PLACE SUBBASE, BASE, SURFACING, PAVEMENT, OR BALLAST ON A MUDDY, SPONGY, FROZEN OR OTHERWISE UNSTABLE SUBGRADE.

FINISH THE SURFACE OF EXCAVATIONS, EMBANKMENTS, AND SUBGRADES TO A SMOOTH AND COMPACT SURFACE IN ACCORDANCE WITH THE LINES, GRADES, AND CROSS SECTIONS OR ELEVATIONS SHOWN. PROVIDE THE DEGREE OF FINISH FOR GRADED AREAS WITHIN 0.1 FOOT OF THE GRADES AND ELEVATIONS INDICATED EXCEPT AS INDICATED FOR SUBGRADES SPECIFIED IN PARAGRAPH SUBGRADE PREPARATION. FINISH GUTTERS AND DITCHES IN A MANNER THAT WILL RESULT IN EFFECTIVE DRAINAGE. FINISH THE SURFACE OF AREAS TO BE TURFED TO A SMOOTHNESS SUITABLE FOR THE APPLICATION OF TURFING MATERIALS. REPAIR GRADED, TOPSOILED, OR BACKFILLED AREAS PRIOR TO ACCEPTANCE OF THE WORK, AND RE-ESTABLISHED GRADES TO THE REQUIRED ELEVATIONS AND SLOPES.

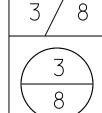
FINISH GRADES AS INDICATED WITHIN ONE-TENTH OF ONE FOOT. GRADE AREAS TO DRAIN WATER AWAY FROM STRUCTURES. MAINTAIN AREAS FREE OF TRASH AND DEBRIS. FOR EXISTING GRADES THAT WILL REMAIN BUT WHICH WERE DISTURBED BY CONTRACTOR'S OPERATIONS, GRADE AS DIRECTED.

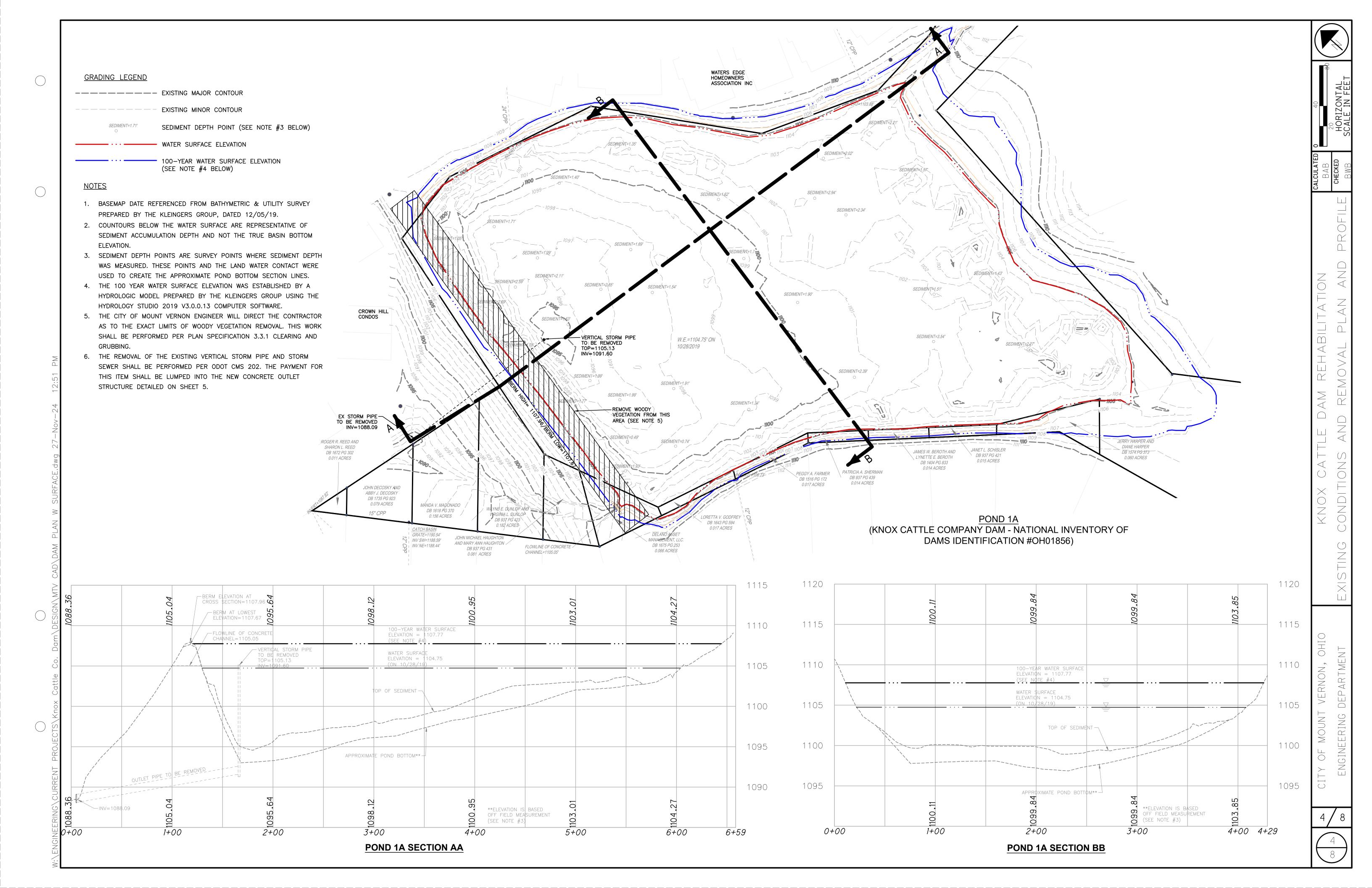
ON AREAS TO RECEIVE TOPSOIL, PREPARE THE COMPACTED SUBGRADE SOIL TO A 2 INCHES DEPTH FOR BONDING OF TOPSOIL WITH SUBSOIL. SPREAD TOPSOIL EVENLY TO A THICKNESS OF 4 INCHES AND GRADE TO THE ELEVATIONS AND SLOPES SHOWN. DO NOT SPREAD TOPSOIL WHEN FROZEN OR EXCESSIVELY WET OR DRY. KEEP TOPSOIL SEPARATE FROM OTHER EXCAVATED MATERIALS, BRUSH, LITTER, OBJECTIONABLE WEEDS, ROOTS, STONES LARGER THAN 2 INCHES IN DIAMETER, AND OTHER MATERIALS THAT WOULD INTERFERE WITH PLANTING AND MAINTENANCE OPERATIONS. REMOVE FROM THE SITE ANY SURPLUS OF TOPSOIL FROM EXCAVATIONS AND GRADINGS. OBTAIN MATERIAL REQUIRED FOR TOPSOIL IN EXCESS OF THAT PRODUCED BY EXCAVATION WITHIN THE GRADING LIMITS ON SITE.

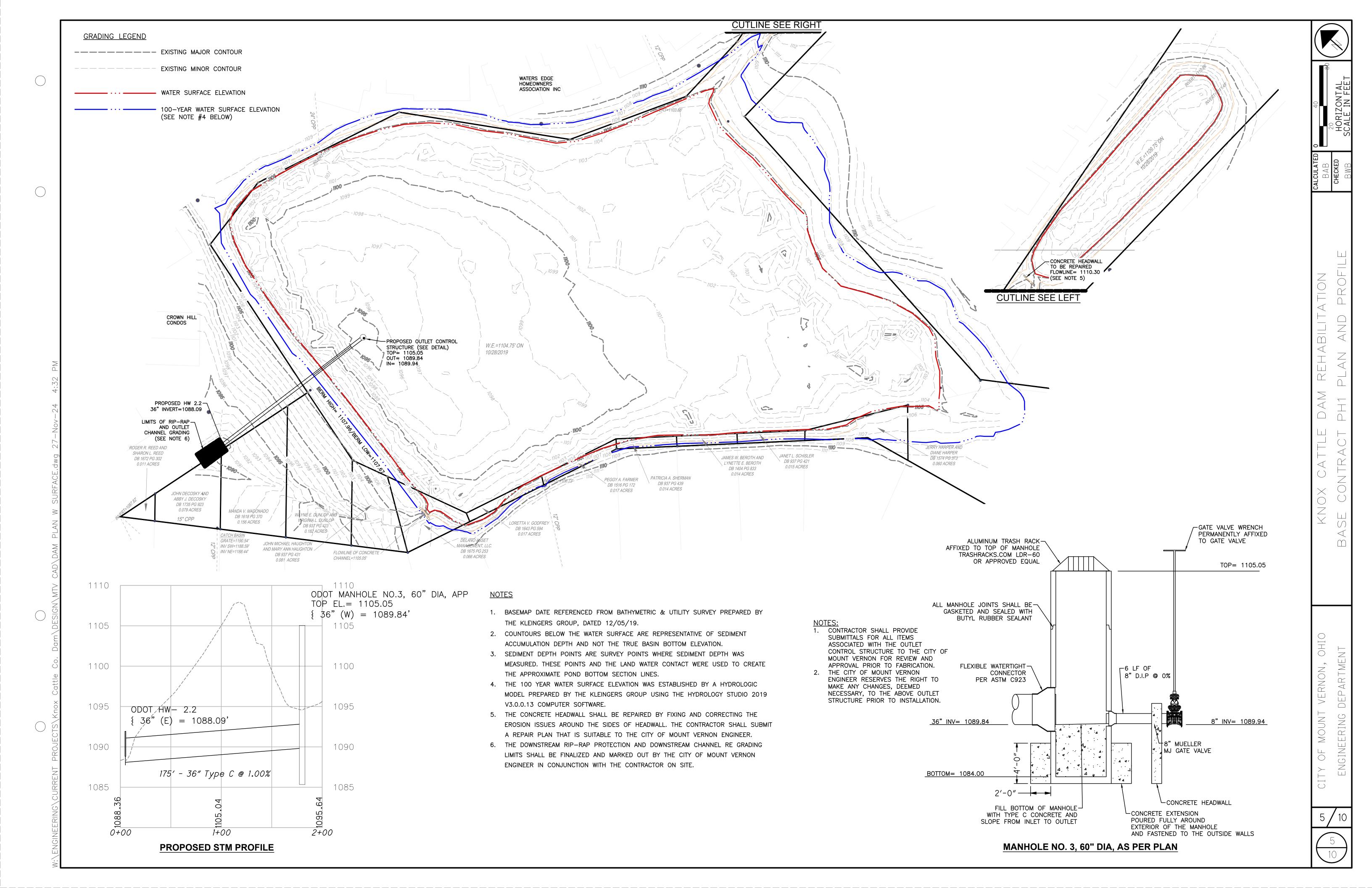
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— Existing 1-ft Contours

— Proposed 1-ft Contours

--- Existing Storm Pipe

Flow Arrows

New Embankment Crest (<6 ft)

New Upstream Pond (4-ft depth)

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Basin

Enbankment

Crass

