

**GENERAL NOTES:**

- MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER VALVE BOXES AND OTHER STREET CASTING WILL BE RAISED OR LOWERED FLUSH WITH THE NEW SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS OF WORK EXCEPT WHEN BID AS A SEPARATE ITEM.
- THE CONTRACTOR SHALL PRESERVE ALL CORNERSTONES, IRON PINS, CONCRETE MONUMENTS, OR ANY TYPE OF LAND MONUMENT. HE SHALL HAVE ALL MONUMENTS IN THE PROXIMITY OF THE WORK REFERENCED. HE SHALL REPLACE DESTROYED OR DAMAGED MONUMENTS AND SHALL FURNISH A CERTIFICATION BY A REGISTERED SURVEYOR THAT THE MONUMENTS HAVE BEEN RESTORED.
- BEFORE THE VILLAGE WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE VILLAGE A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.
- THE CONTRACTOR SHALL PERFORM WORK AS TO NOT DISTURB, DAMAGE OR DESTROY ANY MAILBOX, PAPERBOX, TELEPHONE OR POWER POLES, SIGNS, SHRUBS, LANDSCAPING ITEMS, UNDERGROUND UTILITIES, ETC.. ANY ITEM DAMAGED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ANY ITEM DISTURBED OR IN CONFLICT WITH THE WORK TO BE PERFORMED SHALL BE REMOVED AND RESET AT THE CONTRACTOR'S EXPENSE. PRIOR ENGINEER APPROVAL IS REQUIRED BEFORE ANY OF THE ABOVE ITEMS ARE PERFORMED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY WHEN ORDERED BY THE OWNER WATER OR CALCIUM CHLORIDE FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE SHALL BE STORED ON THE JOB SITE AT ALL TIMES TO BE USED FOR DUST CONTROL. THE COST OF DUST CONTROL SHALL BE INCLUDED IN THE UNIT BID PRICES FOR ALL ITEMS OF THE PROPOSAL.
- ALL PAVEMENT REMOVAL AND REPLACEMENT, NEW PAVEMENT AND ASSOCIATED ROADWAY WORK SHALL BE IN ACCORDANCE WITH THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, HEREINAFTER REFERRED TO AS "ODOT", CONSTRUCTION AND MATERIAL SPECIFICATIONS, STANDARD CONSTRUCTION DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS, LATEST ISSUE, WITH THE MODIFICATIONS AS SET FORTH IN THESE SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF HARTVILLE POLICE AND FIRE DEPARTMENTS AT LEAST 24 HOURS IN ADVANCE OF ANY STREET CLOSING OR TRAFFIC CHANGE.
- BENCH MARKS WHICH ARE GIVEN HEREIN ARE BASED ON USGS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT PURSUANT TO ODOT ITEM 623. A "LUMP SUM" QUANTITY HAS BEEN ESTABLISHED IN THE BID PROPOSAL.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS BEFORE INSTALLING ANY PROPOSED MANHOLES, CATCH BASINS OR CONDUIT. ANY ADJUSTMENTS NEEDED SHALL BE APPROVED BY THE ENGINEER.
- EXISTING SEWER AND WATER SERVICE CONNECTIONS SHALL BE PROTECTED AND MAINTAINED IN SERVICE. ANY EXISTING WATER, SANITARY SEWER, AND GAS LINE, IN OR OUTSIDE OF THE CONSTRUCTION LIMITS, DAMAGED DURING CONSTRUCTION OF THE PROPOSED PROJECT, WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE OF BEGINNING WORK WHICH REQUIRES COMPACTION TESTING AND/OR PRE-POUR INSPECTION PRIOR TO PLACEMENT OF PAVEMENT. WORK WILL NOT BEGIN UNTIL TESTING AND/OR INSPECTION HAS BEEN COMPLETED AND APPROVED BY THE ENGINEER.
- ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED 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 VILLAGE.
- ALL EXISTING SEWERS INSPECTED SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION PRIOR TO CONSTRUCTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- COST OF CLEARING AND GRUBBING, TREE REMOVAL, REMOVAL OF EXISTING PAVEMENT, SIDEWALK, CURB, MANHOLES, CATCH BASINS, FIRE HYDRANTS OR OTHER STRUCTURES ARE TO BE INCLUDED IN THE UNIT PRICE BID FOR ALL ITEMS IN THE PROPOSAL UNLESS LISTED AS A SEPARATE PAY ITEM.
- ALL SOIL AREAS DISTURBED SHALL BE TOPSOILED (4" THICK COMPACTED), SEEDED AND MULCHED. ALL TOPSOIL WORK SHALL BE INCLUDED IN THE UNIT BID PRICES FOR ALL ITEMS OF THE PROPOSAL.

**EXISTING UTILITIES:**

- EACH CONTRACTOR SHALL VISIT THE SITE PERSONALLY TO ASCERTAIN THE NATURE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE SITE PRIOR TO BID SUBMISSION.
- THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THEIR ACCURACY OR COMPLETENESS IS NOT GUARANTEED.
- THE DATA SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE EXISTENCE OF FACILITIES ABOVE OR BELOW GROUND, WHICH MAY NOT BE SHOWN, WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK.
- BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", AT 1-800-362-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE VILLAGE OF HARTVILLE, 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 VILLAGE OF HARTVILLE, INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.
- THE UTILITIES WITHIN THE LIMITS OF THIS PROJECT ARE LISTED ON THE TITLE SHEET.
- WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THE MAINTENANCE OF THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE.
- THE COST FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES OR NATURAL GAS LINES SHALL NOT BE THE RESPONSIBILITY OF THE VILLAGE OF HARTVILLE.
- DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION OR NATURAL GAS LINE RELOCATION/REPLACEMENT SHALL NOT BE CONSIDERED COMPENSABLE DELAYS, AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANY'S SCHEDULE.

**EXISTING UTILITIES (CONT.):**

- WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING 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 A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.
- IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, 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.
- EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO REPLACE OR EXTEND THE EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL ITEMS OF THE PROPOSAL.
- ANY ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SANITARY SEWER TO THE SATISFACTION OF THE ENGINEER. THE FOLLOWING CONDUIT TYPES MAY BE USED: SS 944, SS 942, SS 931, 706.01, OR 707.45

**STORM SEWER**

- ALL PIPE USED FOR STORM SEWER INSTALLATION ON THIS PROJECT SHALL CONFORM TO ODOT ITEM 706.02 - REINFORCED CONCRETE PIPE CLASS III WITH JOINTS AS PER 706.10 OR 706.11, OR ODOT ITEM 707.33 W/ BELL AND SPIGOT CORRUGATED POLYETHYLENE SMOOTH LINED DRAINAGE PIPE MEETING AASHTO M294 (TYPE S FOR 12" THRU 36" DIAMETER).
- ALL EXISTING STORM DRAINAGE PIPING ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED INTO THE NEW STORM SEWER, CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE OR ABANDONED, AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ALL ITEMS OF THE PROPOSAL. THIS INCLUDES DOWNSPOUT CONNECTIONS FROM EXISTING BUILDINGS.

**MAINTENANCE OF TRAFFIC:**

PRIOR TO THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT A PROPOSED PROJECT CONSTRUCTION SCHEDULE AND A DETAILED MAINTENANCE OF TRAFFIC PLAN TO THE VILLAGE OF HARTVILLE. BOTH THE SCHEDULE AND MAINTENANCE OF TRAFFIC PLAN SHALL BE APPROVED BY THE VILLAGE PRIOR TO THE START OF CONSTRUCTION. COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 - MAINTAINING TRAFFIC.

ONE LANE LOCAL ACCESS TO ALL ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO ALL DRIVEWAYS SHALL ALSO BE MAINTAINED AT ALL TIMES EXCEPTING THE TIME WHEN CONCRETE CURB OR DRIVE APRONS ARE CURING.

MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

**PRE-BID MEETING:**

THERE WILL BE A **MANDATORY** PRE-BID MEETING AT VILLAGE HALL FOLLOWED BY A VISIT TO THE SITE THAT MUST BE ATTENDED BY ALL PROSPECTIVE CONTRACTORS.

**RAILROAD CROSSING:**

THE AWARDED CONTRACTOR WILL NEED TO DO THE FOLLOWING:

- COORDINATE WITH WHEELING & LAKE ERIE RAILROAD (WLE) CONSTRUCTION SCHEDULE.
- SUBMIT THE RIGHT-OF-ENTRY PERMIT APPLICATION FOUND ON THE WEBPAGE: <https://www.wlerwy.com/real-estate/accessing-property/>. A MAP SHOULD BE PROVIDED WITH THE APPLICATION DETAILING, IF APPLICABLE, ANY WORK AREAS AND ACCESS ROUTES THAT ARE CONTAINED ON OR AFFECT THE INFLUENCE OF THE RAILROAD'S RIGHT-OF-WAY. UPON APPROVAL OF THAT PPLICATION, THE AWARDED CONTRACTOR WILL THEN BE REQUIRED TO SIGN THE RAILROAD'S RIGHT-OF-ENTRY PERMIT AGREEMENT.
- PROVIDE TO THE RAILROAD WITH AN INSURANCE DOCUMENT AS PROOF THAT THEY MEET THE RAILROAD'S INSURANCE REQUIREMENTS.
- CONTRACTOR TO REFER TO WLE WEBSITE FOR THE CURRENT FLAGGING FEES. PLEASE NOTE THAT FLAGGING MUST BE SCHEDULED WITH THE RAILROAD FOR ANY ACTIVITIES ON OR WITHIN THE INFLUENCE OF THE RAILROAD'S RIGHT-OF-WAY, AND THIS INCLUDES ALL THE EXPECTED UNDERGROUND ACTIVITIES THAT ARE TO TAKE PLACE AS PART OF THE PIPE CROSSING INSTALLATION AND ANY OTHER ACTIVITIES, IF APPLICABLE, THAT MAY BE TAKING PLACE ON THE GROUND SURFACE OR OVERHEAD. THE CONTRACTOR WILL NEED TO DETERMINE THE EXPECTED NUMBER OF DAYS AND HOURS FOR EACH DAY THAT FLAGGING IS NEEDED TO ESTIMATE FEES AND SEND AN INVOICE FOR THIS WHICH MUST BE PAID BEFORE THE FLAGGING CAN BE SCHEDULED.
- ALL RAILROAD CROSSING WORK LISTED ABOVE AND ANY ADDITIONAL PERMITTING IF NEEDED ARE INCIDENTAL TO RAILROAD CROSSING ITEM.

**SITE SPECIAL CONDITIONS WORK PLAN:**

- CONTRACTOR TO REFER TO THE ATTACHED GEOTECHNICAL REPORT PREPARED BY PSI FOR SOIL INFORMATION
- CONTRACTOR TO REFER TO THE ATTACHED SANITARY SEWER INVESTIGATION SUMMARY REPORT PREPARED BY ARCADIS FOR SITE ENVIRONMENTAL INFORMATION.
- PRIOR TO IMPLEMENTATION OF THE SANITARY SEWER REPLACEMENT, A WORK PLAN WILL BE SUBMITTED TO THE USEPA FOR APPROVAL. THE WORK PLAN WILL DETAIL HEALTH AND SAFETY PRACTICES, SITE MONITORING, EQUIPMENT DECONTAMINATION, SPOILS MANAGEMENT, SITE CONTROL, AND OVERSIGHT TO BE PERFORMED ONSITE DURING THE SANITARY SEWER REPLACEMENT.
- CONTRACTOR TO COORDINATE WITH PROPERTY OWNER TDY INDUSTRIES LLC AND THEIR CONSULTANT PRIOR TO STARTING CONSTRUCTION TO CONTINUE MEETING OEPA REQUIREMENT ON THIS SITE AND TO UTILIZE TDY'S APPROVED METHOD OF TREATING CONTAMINATED GROUND WATER IF ANY.
- ALL COST IS INCIDENTAL TO SITE SPECIAL WORKING PLAN

**ITEM 690 - SPECIAL - SANITARY SEWER BYPASS PUMPING, AS PER PLAN**

THIS ITEM SHALL CONSIST OF PROVIDING BYPASS PUMPING WHENEVER FLOW IN ANY SEWER IS DISRUPTED BY THE CONSTRUCTION OR REPLACEMENT OF NEW SEWER SEGMENTS, LATERALS, MANHOLES, OR ASSOCIATED ACTIVITIES IN ACCORDANCE WITH "GENERAL NOTES - SANITARY SEWERS / STORM SEWERS" AND THE FOLLOWING:

CONTRACTOR SHALL PROVIDE A DETAILED BYPASS PUMPING PLAN AND SCHEDULE TO THE VILLAGE FOR REVIEW PRIOR TO BEGINNING ANY WORK.

BYPASS PUMPING IS REQUIRED WHENEVER FLOW IN ANY SEWER IS DISRUPTED BY THE CONSTRUCTION OR REPLACEMENT OF NEW SEWER SEGMENTS, LATERALS, MANHOLES, OR ASSOCIATED ACTIVITIES. BYPASSING OF SEWERS MUST PROVIDE FOR POTENTIAL FLOWS THAT MAY TYPICALLY BE EXPECTED DURING THE SEASON THAT THE WORK IS IN PROGRESS, INCLUDING RAINFALL AND PEAK FLOW EVENTS.

METERING OF FLOWS HAS NOT BEEN PERFORMED. THE CONTRACTOR MAY ASSUME FULL PIPE CONDITIONS FOR SIZING BYPASS PUMPING REQUIREMENTS

BECAUSE OF THE HIGH FLOWS POSSIBLE IN THESE SEWERS, 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.

CONTRACTOR SHALL REVIEW AND COORDINATE WITH THE MAINTENANCE OF TRAFFIC PLANS PRIOR TO SUBMITTING THE BYPASS PUMPING PLAN.

PUMPS SHALL BE FULLY AUTOMATIC, SELF PRIMING PUMPS. PUMPS AND GENERATORS, IF APPLICABLE, SHALL BE CRITICALLY SILENCED. ALL SUCTION AND DISCHARGE PIPING SHALL BE FREE OF LEAKS.

ACCESS TO ALL RESIDENCES AND BUSINESS SHALL BE MAINTAINED AT ALL TIMES, INCLUDING ACCESS FOR MAIL, SCHOOL, POLICE, FIRE, AND EMERGENCY VEHICLES.

PRIOR NOTIFICATION OF SHORT DURATION INTERRUPTIONS TO SERVICE SHALL BE COORDINATED A MINIMUM OF 48 HOURS IN ADVANCE, EXCLUDING WEEKENDS AND HOLIDAYS, WITH THE CITY AND ALL AFFECTED RESIDENCES AND BUSINESSES.

ANTICIPATED FLOWS WITHIN THE EX. 18" SANITARY SEWER AT MANHOLE #205 IS:

AVERAGE DAILY FLOW - 400,000 GPD

PEAK DAILY FLOW - 1.1 MGD

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