

GENERAL NOTES

1. THE LOCATION OF THE UNDERGROUND UTILITIES HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, HOWEVER THEIR ACCURACY AND/OR COMPLETENESS IS NOT GUARANTEED.
THE ENGINEER DOES NOT GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE THE ONLY ONES IN EXISTENCE (EITHER IN SERVICE OR ABANDONED). HE ALSO DOES NOT GUARANTEE THE LOCATIONS AS SHOWN ARE EXACT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING LOCATIONS AND REPAIR ANY DAMAGE DONE TO THEM.
2. WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE PIPE BOTH AS TO LINE AND GRADE BEFORE THE PROPOSED CONDUIT IS INSTALLED.
PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT PROPOSED CONDUIT ITEMS.
3. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES SEWER FLOW THROUGH EXISTING FACILITIES THAT SHALL REMAIN IN PLACE AND THROUGH EXISTING FACILITIES THAT ARE TO BE REPLACED UNTIL NEW FACILITIES ARE COMPLETED AND IN SERVICE.
PAYMENT FOR ANY ADDITIONAL COST INVOLVED IN MAINTAINING THESE FLOWS BY PUMPING OR BY ANY OTHER MEANS APPROVED BY THE ENGINEER, SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE PROPOSED CONDUIT ITEM.
4. ALL AREAS TO BE SEEDED AND MULCHED SHALL RECEIVE A MINIMUM OF 6" OF TOPSOIL. AFTER PLACEMENT OF THE TOPSOIL, THE AREA SHALL BE RAKED, ROLLED AND DRESSED FOR SEEDING. NO STONES OR CLODS OVER 1" IN DIAMETER WILL BE PERMITTED.
SEEDING AND MULCHING SHALL BE IN ACCORDANCE WITH ODOT CMS ITEM 659 WITH THIS EXCEPTION: THE FOLLOWING SEED MIXTURE SHALL BE USED IN LIEU OF CLASS 1 MIX AS LISTED ON TABLE 659.09-1.

GREEN VELVET "FINEST" SEED MIX:
45% SR 4200 PERENNIAL RYEGRASS
30% KENBLUE KENTUCKY BLUEGRASS
10% MERIT KENTUCKY BLUEGRASS
15% SR 5200E CREEPING RED FESCUE
5. SAW CUT PAVEMENT JOINTS:
THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO SAW CUT THE PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONDUIT ITEM BEING INSTALLED. MORE THAN ONE SAW CUT MAY BE NECESSARY TO ENSURE A CLEAN CUT. IF REQUIRED BY THE VILLAGE, THE CONTRACTOR SHALL MAKE A FRESH SAWCUT PRIOR TO THE PLACEMENT OF THE FINAL PAVEMENT RESTORATION.
JUST PRIOR TO ASPHALT PLACEMENT, BITUMINOUS MATERIAL SHALL BE PLACED ON THE VERTICAL FACE OF THE SAW CUT JOINTS PRIOR TO PAVING AS PER 401.14. IN ADDITION TO SAW CUT JOINTS, ALL OTHER VERTICAL FACES (I.E. EXISTING PAVEMENT, PARTICULARLY PHASED CONSTRUCTION, CURB AND GUTTER, MANHOLES, AND OTHER STRUCTURES) SHALL BE COATED WITH BITUMINOUS MATERIAL IN ACCORDANCE WITH 401.14. AFTER THE ASPHALT WORK IS COMPLETED, THE TRANSVERSE JOINTS SHALL BE SEALED WITH LIQUID ASPHALT. THE JOINT PREPARATION, FRESH SAW CUT AND SEALING SHALL BE INCLUDED IN THE PAYMENT FOR THE CONDUIT ITEM BEING INSTALLED.
6. ALL EXISTING FENCES REMOVED DURING CONSTRUCTION SHALL BE REPLACED/REINSTALLED IN EQUAL OR BETTER CONDITION, AS APPROVED BY THE ENGINEER. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REPLACE/REINSTALL THE FENCE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PROPOSED ITEM BEING INSTALLED.
7. CLEARING AND GRUBBING
THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE TREES, BUSHES, SHRUBS, ETC. ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION PROCESS. ALL COST ASSOCIATED WITH ANY CLEARING AND GRUBBING REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE BID ITEMS.
8. ALL EXISTING WALKS, DRIVES, CURBS, ETC. REMOVED DURING THE CONSTRUCTION OF ANY OF THE PROPOSED IMPROVEMENTS SHALL BE REPLACED BY THE CONTRACTOR IN A MANNER AS APPROVED BY THE ENGINEER. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REPLACE THESE ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PROPOSED ITEM BEING INSTALLED.
9. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO INSTALL ALL CONCRETE COLLARS AND FERNCO COUPLINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PROPOSED CONDUIT ITEM BEING INSTALLED.
10. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWERS ARE PROHIBITED.
11. ALL OPEN ENDS OF ABANDONED CONDUITS SHALL BE CAPPED OR PLUGGED WITH CONCRETE AS DIRECTED BY THE VILLAGE. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE NEW ITEM BEING INSTALLED.

12. RECORD PLANS:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING NOTES OF THE CONSTRUCTION PROCESS THAT CAN BE PRESENTED TO THE ENGINEER FOR DEVELOPMENT OF RECORD PLANS. SUCH NOTES SHALL INCLUDE INFORMATION GATHERED DURING THE SEQUENCE OF CONSTRUCTION, REGARDING UNDERGROUND UTILITY LOCATIONS, INCLUDING DEPTHS. ESPECIALLY OF INTEREST SHALL BE ANY UTILITIES NOT SHOWN ON THE PLANS OR DEVIATIONS FROM LOCATIONS SHOWN ON THE PLANS. UNDERGROUND UTILITIES SHALL INCLUDE STORM DRAINS, GAS LINES, ELECTRIC AND COMMUNICATION CABLES, AS WELL AS EXISTING WATER LINES AND SANITARY SEWER LINES THAT ARE SCHEDULED TO REMAIN IN SERVICE. ALSO, NEW LATERAL AND SERVICE LINE LOCATIONS, INCLUDING DEPTHS, SHALL BE RECORDED. THE CONTRACTOR SHALL PRESENT THIS INFORMATION TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING WHILE DIGGING IN THE VICINITY OF ANY STRUCTURE. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY FOR THE SHORING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEM BEING INSTALLED.
14. EXISTING WATER SERVICES:
THE CONTRACTOR SHALL NOTE THAT THE VILLAGE OF NEW BREMEN WILL LOCATE THE EXISTING WATER SERVICES AS NEEDED DURING CONSTRUCTION. THE COST OF ANY DAMAGE TO THE WATER SERVICES CAUSED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
15. ITEM 614 - MAINTAINING TRAFFIC, AS PER PLAN
IN ADDITION TO THE REQUIREMENTS AS INDICATED IN THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND PERTINENT ITEMS OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING REQUIREMENTS SHALL APPLY:
A) THE CONTRACTOR SHALL PROVIDE AND MAINTAIN LOCAL TRAFFIC ACCESS IN ACCORDANCE WITH SECTION 614.02(A)
B) THROUGH TRAFFIC SHALL BE MAINTAINED ON PORTIONS OF THE ROADWAY WHENEVER POSSIBLE.
C) THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS AND BARRICADES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, WHEN THE ROAD IS CLOSED TO THROUGH TRAFFIC.
D) THE CONTRACTOR SHALL PROVIDE THE VILLAGE WITH THE NAME AND TELEPHONE NUMBER OF A PERSON/PERSONS WHO CAN BE CONTACTED 24 HOURS A DAY. THIS PERSON SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES AND PAVEMENT REPAIR MATERIALS TO MAINTAIN TRAFFIC IN A SAFE MANNER.
E) THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN DETOUR SIGNS AS REQUIRED DURING PERIODS OF CLOSURE.
F) THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE VILLAGE AND ENGINEER, FOR APPROVAL, PRIOR TO CONSTRUCTION. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO FOLLOW THESE REQUIREMENTS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.
16. EXPANSION JOINTS:
THE CONTRACTOR SHALL INSTALL 1/2" EXPANSION JOINTS AT ALL LOCATIONS IN WHICH THE PROPOSED CONCRETE WALK AND DRIVEWAYS ARE TO BE CONSTRUCTED AGAINST EXISTING CONCRETE WALKS, DRIVES, CURBS, OR ANY FIXED OBJECT.
17. UTILITY INTERFERENCE:
IF, DURING THE CONSTRUCTION, INTERFERENCE ARISES WITH EXISTING UTILITIES IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITY COMPANY INVOLVED. THE CONTRACTOR SHALL NOTIFY, AT LEAST (?) SEVEN DAYS BEFORE BREAKING GROUND, ALL PUBLIC SERVICE CORPORATIONS HAVING WIRES, POLES, PIPES, CONDUITS, MANHOLES, OR OTHER STRUCTURES THAT MAY BE AFFECTED BY THIS OPERATION. THERE WILL BE NO DELAYS ALLOWED FOR UTILITY INTERFERENCES.
18. SUBCONTRACTOR SUPERVISION:
THE CONTRACTOR IS REQUIRED TO HAVE SOMEONE ON-SITE TO SUPERVISE THE SUBCONTRACTOR FOR QUALITY CONTROL PURPOSES AND TO PROVIDE ANY NECESSARY ASSISTANCE TO THE SUBCONTRACTOR TO ENSURE QUALITY WORK.
19. DEWATERING:
ANY NECESSARY DEWATERING OR PUMPING NECESSARY FOR THE CONSTRUCTION OF ANY ITEMS SHALL BE INCIDENTAL TO THOSE PARTICULAR CONSTRUCTION ITEMS.
20. MUD:
THE TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON VILLAGE STREETS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED UP IMMEDIATELY BY THE CONTRACTOR. DURING THE CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN/SWEEP THE STREETS AS DIRECTED BY THE VILLAGE. THE CONTRACTOR SHALL ALSO BE REQUIRED TO CLEAN THE STREETS AT THE COMPLETION OF THE PROJECT. ALL COSTS ASSOCIATED WITH CLEANING THE STREETS SHALL BE INCLUDED IN THE CONTRACTOR'S LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN
21. SAFETY:
THE CONTRACTOR 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 TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

22. CONTINGENCY QUANTITIES:
CONTINGENCY QUANTITIES FOR 7" NON-REINFORCED CONCRETE PAVEMENT, CONCRETE WALK AND COMBINATION CURB AND GUTTER, AS PER PLAN HAVE BEEN INCLUDED ON THE BID FORM. THESE ITEMS HAVE BEEN ADDED IN ORDER TO ALLOW FOR THE POSSIBLE NECESSITY OF REMOVING SUCH ITEMS DURING THE EXCAVATION FOR THE INSTALLATION OF THE MAIN LINE 12" SANITARY SEWER. THESE ITEMS SHALL BE USED ONLY AS DIRECTED AND APPROVED BY THE VILLAGE OF NEW BREMEN. THE CONTRACTOR'S UNIT BID PRICE FOR THESE CONTINGENCY QUANTITIES SHALL ALSO INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE AND DISPOSE OF THE EXISTING RELATED ITEMS.

THE CONTINGENCY QUANTITIES ARE ONLY ASSOCIATED WITH THE INSTALLATION OF THE 12" SANITARY SEWER. THE COST OF REMOVING AND REPLACING ANY SIDEWALK OR CURB AND GUTTER AS PART OF THE SANITARY SEWER LATERAL CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACTOR'S UNIT PRICE BID FOR THE 4" OR 6" SANITARY SEWER LATERAL, ASPHALT AREAS.

23. SEWAGE BYPASS PUMPING AND FLOW CONTROL:
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO CONTROL THE FLOW OF SEWAGE DURING THE CONSTRUCTION OF THESE IMPROVEMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE VILLAGE OF NEW BREMEN AND THE ENGINEER. THE FLOW CONTROL BYPASS PUMPING PLAN MUST BE APPROVED BY THE VILLAGE BEFORE ANY CONSTRUCTION SHALL COMMENCE.

ALL COSTS ASSOCIATED WITH THE BYPASS PUMPING PROCESS, AT WHATEVER VOLUMES, SHALL BE CONSIDERED INCIDENTAL TO THE OTHER PROJECT COSTS.

IN THE EVENT OF A RAW SEWAGE SPILL, DISCHARGE, LEAK, ETC. DURING THE CONTRACTOR'S BYPASS PUMPING PROCESS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE CLEANUP, DISINFECTION, LIABILITY OF ANY CLAIMS, FINES, PENALTIES, OR DAMAGES IMPOSED BY ANY AGENCY OR PRIVATE PARTY.

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24. SANITARY SEWER LATERALS:
PRIOR TO THE INSTALLATION OF THE PROPOSED SANITARY SEWER LATERALS, THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE EXISTING LATERAL AND THE LOCATION AND ELEVATION AT WHICH THE PROPOSED LATERAL WILL CONNECT TO THE EXISTING LATERAL.

THE CONTRACTOR'S BID PRICE FOR ITEM 33 31 00 "SANITARY SEWER LATERAL" SHALL INCLUDE ONLY THE LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO CONNECT TO THE SANITARY SEWER MAIN. THE PROPOSED SEWER LATERAL INSTALLED BEYOND THE SEWER MAIN SHALL BE PAID ON A PER FOOT PRICE BASED ON THE EXISTING SURFACE CONDITIONS. THE COST OF ALL BENDS AND FITTINGS SHALL BE INCLUDED IN THE PER FOOT BID PRICE. THE CONTRACTOR'S BID PRICES FOR THESE DIFFERENT EXISTING SURFACE CONDITIONS SHALL INCLUDE THE COST OF ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO RESTORE THESE SURFACES AS SHOWN ON THE TRENCH BACKFILL DETAIL. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO RESTORE ALL CURB, CURB AND GUTTER OR SIDEWALK SHALL BE MEASURED ALONG WITH AND PAID ON THE SAME BASIS AS THE ASPHALT AREAS.

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THE LOCATION OF ALL OF THE EXISTING LATERALS ARE UNKNOWN. PORTIONS OF THE EXISTING SEWER FROM CHERRY STREET TO VINE STREET HAVE BEEN VIDEO TAPED. THE APPROXIMATE LOCATIONS OF THE LATERALS OBSERVED HAVE BEEN INDICATED ON THE PLAN AND PROFILE SHEETS AS (S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATIONS OF ALL LIVE LATERALS THROUGHOUT THIS PROJECT. THE CONFIRMATION OF THE LIVE LATERALS SHALL BE COORDINATED WITH THE VILLAGE OF NEW BREMEN PUBLICS WORKS DEPARTMENT. CONTINGENCY QUANTITIES SHALL BE ADDED TO THE BASE BID FOR VARIOUS TYPES OF LATERAL INSTALLATIONS ANTICIPATED AS FOLLOWS:

4" SANITARY SEWER LATERAL	-	20 EACH
6" SANITARY SEWER LATERAL	-	30 EACH
4" SANITARY SEWER LATERAL, GRASS AREAS	-	200 L.F.
6" SANITARY SEWER LATERAL, GRASS AREAS	-	250 L.F.
4" SANITARY SEWER LATERAL, AGGREGATE AREAS	-	50 L.F.
6" SANITARY SEWER LATERAL, AGGREGATE AREAS	-	100 L.F.
4" SANITARY SEWER LATERAL, ASPHALT AREAS	-	150 L.F.
6" SANITARY SEWER LATERAL, ASPHALT AREAS	-	200 L.F.
4" SANITARY SEWER LATERAL, CONCRETE AREAS	-	150 L.F.
6" SANITARY SEWER LATERALS, CONCRETE AREAS	-	200 L.F.

ACTUAL QUANTITIES OF EACH ITEM WILL BE ADJUSTED BY CHANGE ORDER AFTER CONSTRUCTION IS COMPLETED.

25. TESTING OF THE REHABILITATED MANHOLES SHALL BE DONE IN ACCORDANCE WITH THE SEWER MANHOLE REHABILITATION (33 01 30.62) TESTING REQUIREMENTS LOCATED IN THE CONTRACT DOCUMENT AND SPECIFICATIONS BOOKLET PROVIDED.

TESTING OF CURED-IN-PLACE PIPE (CIPP) SHALL BE DONE IN ACCORDANCE WITH THE CURED-IN-PLACE PIPE (30 01 30.72) TESTING REQUIREMENTS LOCATED IN THE CONTRACT DOCUMENT AND SPECIFICATIONS BOOKLET PROVIDED.

26. BID PROPOSAL OPTIONS:
THE WORK UNDER THIS PROJECT SHALL BE PERFORMED BY ONE OF TWO WORK METHODS (BASE BIDS). BASE BID 'A' INCLUDES A COMPLETE REPLACEMENT OF THE EXISTING SEWER UTILITY WITHIN THE PROJECT LIMITS. BASE BID 'B' UTILIZES A REHABILITATION OF THE EXISTING UTILITY WITH CIPP LINING AND MANHOLE REHABILITATION.

BASE BID 'B' MAY BE OFFERED TO CLEAN, VIDEOTAPE AND RELINE THE EXISTING 18" SANITARY SEWER WITH CURED-IN-PLACE PIPE, REHABILITATE THE EXISTING MANHOLES AND RELINE ACTIVE SEWER LATERALS FROM THE SEWER MAIN TO THE NEW CLEANOUT INSTALLED NEAR THE R/W LINE. IT IS THE INTENT THAT THIS BASE BID CONSTRUCTION BE COMPLETED WITHOUT EXCAVATION.

THE FOLLOWING CONTINGENCY QUANTITIES SHALL BE ADDED TO THE BASE BID 'B' BID:

4" BRANCH LATERAL CONNECTIONS	-	20 EACH
6" BRANCH LATERAL CONNECTION	-	30 EACH
VACUUM INSERTED SEWER CLEANOUT	-	50 EACH
CHIMNEY SEAL, AS PER PLAN	-	12 EACH