

PROJECT NOTES AND SPECIFICATIONS

PROJECT SPECIFICATIONS

ALL WORK REQUIRED TO COMPLETE THIS IMPROVEMENT SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE DETAILED CONSTRUCTION DRAWINGS, THE LATEST SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, EXCEPT AS HEREIN AMENDED, AND PER THE CITY OF MASSILLON SPECIFICATIONS/REQUIREMENTS/STANDARDS. THE CONSTRUCTION DRAWINGS WILL TAKE PRECEDENCE OVER THE OTHER REQUIREMENTS. IN THE CASE OF A CONFLICT BETWEEN THE CITY OF MASSILLON AND THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS/REQUIREMENTS, THE MORE STRICT OF THE TWO SPECIFICATIONS WILL GOVERN, AS DETERMINED BY THE ENGINEER. STATE OF OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS SHALL APPLY TO THIS IMPROVEMENT EXCEPT AS OTHERWISE PROVIDED.

PROJECT SAFETY

THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT/ALONG THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR SHALL PROPERLY SUPPORT AND/OR MAINTAIN ALL EXCAVATIONS PER APPLICABLE SAFETY REQUIREMENTS AND COMPLY WITH ALL O.S.H.A. REGULATIONS. THIS SHALL INCLUDE STRICT COMPLIANCE WITH ALL APPLICABLE REGULATIONS REGARDING TRENCH SAFETY, ADEQUATE SAFETY BARRICADES, WARNING LIGHTS, SIGNS, FENCING, ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING ALL NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE CONSTRUCTION SITE/AREA. TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORK DAY OR PROPERLY SECURED AS APPROVED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL. PUBLIC STREETS SHALL BE KEPT CLEAN AND FREE OF DEBRIS (MUD, STONE, ETC.) AT ALL TIMES. THE CONTRACTOR SHALL ALERT ALL LOCAL EMERGENCY AGENCIES (FIRE, AMBULANCE, ETC.) OF THE NATURE OF THE PROPOSED PROJECT PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

AT NO TIME SHALL ANY PERSONNEL ENTER EXISTING STRUCTURES/CHAMBERS WITHOUT PROPER SAFETY EQUIPMENT, INCLUDING BUT NOT LIMITED TO AIR JACKS, AIR MONITORS AND/OR AIR SENSORS, PROTECTIVE CLOTHING, BODY HARNESS WITH POSITIVE MEANS OF REMOVING A PERSON FROM THE STRUCTURE/CHAMBER, ETC. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. REQUIREMENTS INCLUDING THOSE SPECIFIED FOR ENTERING CONFINED SPACES.

UNDERGROUND UTILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS WERE OBTAINED BY FIELD OBSERVATIONS, FROM EXISTING RECORDS, AND/OR FROM THE OWNERS OF THE RESPECTIVE UTILITIES. THE INFORMATION AS SHOWN IS BELIEVED TO BE CORRECT. HOWEVER, THE COMPLETENESS AND ACCURACY OF THIS INFORMATION CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL THE VARIOUS UTILITY COMPANIES (PUBLIC AND PRIVATE) TO VERIFY THE EXISTENCE, LIMITS, AND/OR LOCATION OF ANY UTILITIES WHICH MAY BE ALONG THE ROUTE, WITHIN, AND/OR ADJACENT TO THIS IMPROVEMENT.

UTILITY NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING OPERATIONS ON THIS PROJECT THE CONTRACTOR(S) SHALL NOTIFY THE ENGINEER, THE REGISTERED UTILITY PROTECTION AGENCY/SERVICE, AND THE OWNERS OF ANY OTHER UTILITIES (PUBLIC AND/OR PRIVATE) THAT MAY HAVE UTILITY LINES OR FACILITIES WITHIN THE SCOPE OF THIS PROJECT BUT WHO ARE NOT MEMBERS OF THE REGISTERED UTILITY PROTECTION SERVICE OF HIS/HER INTENTION TO BEGIN CONSTRUCTION ACTIVITY ON THIS PROJECT. THE OWNERS OF ANY UNDERGROUND UTILITY FACILITY SHALL, WITHIN 48 HOURS AFTER NOTICE IS RECEIVED, EXCLUDING SATURDAYS, SUNDAYS, AND OTHER LEGAL HOLIDAYS, STAKE, MARK OR OTHERWISE DESIGNATE THE EXISTENCE AND LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING AND/OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY FIVE (5) WORKING DAYS AHEAD OF THE PLANNED CONSTRUCTION. OHIO UTILITIES PROTECTION SERVICE: 1-800-362-2764 (CONTACT NON-MEMBERS DIRECTLY).

VERIFICATION OF UNDERGROUND UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES/FACILITIES WITHIN AND/OR ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. PRIOR TO ORDERING MATERIALS OR BEGINNING WORK. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK UNTIL THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WHICH COULD EFFECT THE PROPOSED IMPROVEMENT HAVE BEEN FIELD CHECKED AND VERIFIED. THIS WILL LIKELY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE DIRECTLY REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME THAT EXISTING UTILITIES/CONDUITS WERE INSTALLED AT TYPICAL/STANDARD DEPTHS OR AT UNIFORM SLOPES/GRADIENTS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.). 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, GRADE, AND ELEVATION BEFORE STARTING TO INSTALL THE PROPOSED CONDUIT. ANY CONFLICTS AND/OR DISCREPANCIES IN THE PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER SO THAT THE APPROPRIATE ADJUSTMENTS IN ALIGNMENT AND/OR GRADE MAY BE MADE PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO VERIFY AND/OR DETERMINE EXISTING INFORMATION AS INDICATED/REQUIRED WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ANY CHARGES NECESSARY TO COMPLETE THE WORK SPECIFIED WITHOUT ADDITIONAL COMPENSATION.

CLEAN UP AT END OF PROJECT

PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL SWALES, DITCHES, STORM SEWERS, CATCH BASINS, STORM MANHOLES, SANITARY SEWERS, SANITARY MANHOLES, GUTTERS, AND OTHER IMPROVEMENTS ARE CLEAN AND FREE OF ANY AND ALL DEBRIS.

STORM, SANITARY, AND WATER UTILITY SEPARATIONS

A TEN FOOT MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) SHALL BE MAINTAINED BETWEEN WATERLINES AND SANITARY SEWERS.

AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) SHALL BE MAINTAINED BETWEEN WATERLINES AND SANITARY SEWERS AT ALL CROSSINGS.

A TEN FOOT MINIMUM HORIZONTAL SEPARATION (OUT-TO-OUT, CLEAR) SHALL BE MAINTAINED BETWEEN WATERLINES AND STORM SEWERS.

AN 18-INCH MINIMUM VERTICAL SEPARATION (OUT-TO-OUT, CLEAR) SHALL BE MAINTAINED BETWEEN WATERLINES AND STORM SEWERS AT ALL CROSSINGS.

CATCH BASIN, MANHOLE, VALVE BOX, ETC. ADJUSTMENT TO GRADE

THE CONTRACTOR SHALL ADJUST AS NECESSARY ALL TOP OF GRADE/TOP OF CASTING ELEVATIONS FOR PROPOSED/EXISTING CATCH BASINS, MANHOLES, AND VALVE BOXES TO MATCH FINAL ELEVATIONS AND GRADES AS APPROVED BY ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THIS WORK.

PROTECTION OF UTILITIES

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS/MEASURES NECESSARY TO PROTECT AND SUPPORT ANY EXISTING UTILITIES/FACILITIES LOCATED ALONG THE ROUTE OF THE PROPOSED IMPROVEMENTS, WITHIN THE GENERAL PROJECT LIMITS, AND/OR ENCOUNTERED DURING THE COMPLETION OF THE PROPOSED IMPROVEMENTS AS DIRECTED/APPROVED BY THE OWNERS OF THE RESPECTIVE UTILITIES AND THE ENGINEER. UTILITIES MUST BE KEPT IN SERVICE AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO CLOSELY COORDINATE THEIR WORK WITH ALL UTILITY COMPANIES TO MINIMIZE ANY POSSIBLE DELAYS IN THE COMPLETION OF THE IMPROVEMENTS. DELAYS WILL NOT BE THE RESPONSIBILITY OF THE OWNER NOR THE ENGINEER.

WORK IN THE RIGHT-OF-WAY

A PERMIT MUST BE OBTAINED FROM THE CITY OF MASSILLON ENGINEER PRIOR TO ANY WORK BEING PERFORMED INSIDE A ROADWAY RIGHT-OF-WAY. THE CONTRACTOR MUST NOTIFY THE CITY ENGINEER'S OFFICE 72 HOURS PRIOR TO ANY CONSTRUCTION INSIDE THE RIGHT-OF-WAY IN ORDER TO COORDINATE INSPECTION.

MAINTAINING TRAFFIC

THE CONTRACTOR SHALL SAFELY AND PROPERLY MAINTAIN TRAFFIC ADJACENT TO, THROUGH, AND/OR ALONG THE PROJECT ROUTE/SITE AS DESCRIBED BELOW AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO DEPARTMENT OF TRANSPORTATION MANUAL OF CONSTRUCTION AND MATERIALS SPECIFICATIONS ITEM 614 MAINTAINING TRAFFIC. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL SIGNS, FLAGS, FLAGMEN, WATCHMEN, BARRICADES, SIGN SUPPORTS, CONES, BARRIERS, AND INCIDENTALS IN CONFORMANCE WITH THE MOST RECENT REVISIONS OF THE CURRENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. INTERFERENCE WITH VEHICULAR TRAFFIC SHALL BE KEPT TO A MINIMUM AT ALL TIMES. ALL OPEN TRENCHES AND EXCAVATIONS SHALL BE PROTECTED WITH DRUMS, BARRICADES, BARRIERS, ETC. ACCESS SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY FIRE DEPARTMENT VEHICLES. ANY TEMPORARY LANE CLOSING MUST BE APPROVED BY THE ENGINEER AND THE PUBLIC AGENCY HAVING JURISDICTION OF THE ROADWAY IN WRITING WITH PRIOR NOTIFICATION GIVEN TO FIRE, POLICE AND OTHER EMERGENCY AGENCIES. TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN A SAFE MANNER.

RESTORATION OF DISTURBED AREAS

EXISTING DRIVES, BERMS, LAWNS, TELEPHONE/POWER POLES, PAVEMENTS, RETAINING WALLS, CURBS, SIDEWALKS, SIGNS, MAILBOXES, FENCING, PAPER BOXES, STORM SEWERS, UTILITIES, LANDSCAPING ITEMS/AREAS OR OTHER APPURTENANCES DISTURBED/DAMAGED DURING CONSTRUCTION BUT NOT SPECIFICALLY DESIGNATED FOR REMOVAL AND/OR REPLACEMENT SHALL BE RESTORED TO A CONDITION EQUAL TO THAT WHICH EXISTED PRIOR TO CONSTRUCTION AND TO THE COMPLETE SATISFACTION OF THE ENGINEER/OWNER. COST FOR THE RESTORATION OF THESE ITEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE OR PROVIDED FOR IN THE PLANS/SPECIFICATIONS.

RESTORATION OF EXISTING ROADWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP, COUNTY, CITY, AND/OR OTHER AGENCY HAVING AUTHORITY. COST FOR THE RESTORATION OF ROADWAYS WILL BE PER THE APPROPRIATE PAY ITEMS. NO PUBLIC ROADWAY SHALL BE DISTURBED WITHOUT PRIOR WRITTEN APPROVAL AND ACQUISITION OF ANY AND ALL NECESSARY PERMITS.

EASEMENTS AND RIGHTS-OF-WAY

THE CONTRACTOR SHALL STAY WITHIN THE PROPERTIES, EASEMENTS, AND RIGHTS-OF-WAY PROVIDED AT ALL TIMES. NO MATERIAL SHALL BE STORED NOR ANY WORK PERFORMED ON PRIVATE PROPERTY. DISTURBANCE OF EXISTING FEATURES AND/OR IMPROVEMENTS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AND AS APPROVED BY THE ENGINEER/OWNER.

INSPECTION

ALL WORK REQUIRED/ASSOCIATED WITH THIS PROJECT THAT IS WITHIN THE ROAD RIGHT-OF-WAY OF THE CITY OF MASSILLON OR CONNECTIONS/EXTENSIONS OF UTILITY MAINS OR SERVICES SHALL BE INSPECTED BY THE CITY OF MASSILLON OR THEIR DESIGNATED REPRESENTATIVE AND THE OWNER OF THE RESPECTIVE UTILITY IF DIFFERENT. THE CONTRACTOR SHALL GIVE A 48 HOUR NOTICE BEFORE STARTING ANY WORK ON THIS PROJECT AND SHALL KEEP THE CITY INFORMED OF HIS/HER CONSTRUCTION SCHEDULE. NO WORK AS SPECIFIED ABOVE SHALL BE PERFORMED UNLESS AN AUTHORIZED INSPECTOR IS PRESENT.

SUBSURFACE INVESTIGATIONS

SUBSURFACE INVESTIGATIONS HAVE BEEN PERFORMED FOR THIS PROJECT. THE CONTRACTOR SHALL NOT ATTEMPT TO REPERFORM SUBSURFACE INVESTIGATIONS AT HIS OWN RISK, EXPENSE, AND RESPONSIBILITY. THE CONTRACTOR MUST CONTACT THE OWNER, ENGINEER, AND ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, TO OBTAIN THE RESULTS WITHIN THE PROJECT LIMITS, 48 HOURS PRIOR TO PERFORMING ANY SUBSURFACE INVESTIGATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE PROPER AND COMPLETE RESTORATION OF ALL AREAS DISTURBED BY TEST HOLES OR BORINGS, TO THE SATISFACTION OF THE ENGINEER AND FOR PROPER TRAFFIC CONTROL DURING THE PERFORMANCE OF THE INVESTIGATIONS. THE ENGINEER MUST APPROVE TEST HOLE/PIT LOCATIONS.

SUITABILITY OF SITE

THE ENGINEER/OWNER WILL NOT BE RESPONSIBLE FOR THE TYPE AND/OR SUITABILITY OF THE MATERIAL UNDERLYING THE LIMITS OF THE PROJECT. THE CONTRACTOR MUST APPRAISE HIMSELF OF ANY EXISTING SITE CONDITIONS WHICH MAY EFFECT HIS BID OR PERFORMANCE OF THE REQUIRED WORK. THE CONTRACTOR SHALL PERFORM WATERVEY INVESTIGATIONS AND/OR TESTING WHICH MAY BE NECESSARY TO ADEQUATELY DETERMINE/ESTIMATE TO THE SATISFACTION OF THE CONTRACTOR HIMSELF ANY AND ALL SITE CONDITIONS WHICH COULD EFFECT THE PERFORMANCE/COMPLETION OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE BUT NOT BE LIMITED TO UNSUITABLE AND/OR UNSTABLE SOIL/SUBGRADE CONDITIONS (PERCHED OR SHED), SPRINGS, ETC. IF THE CONTRACTOR IS UNSURE OR UNABLE TO DETERMINE THE NATURE OF THE SUBSURFACE CONDITIONS, HE SHALL ASSUME THE WORST CASE. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR UNANTICIPATED AND/OR UNFORESEEN CONDITIONS.

DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY CONTROL DUST FROM THE PROJECT SITE AS NECESSARY/REQUIRED TO MAINTAIN SAFE VISIBILITY WITHIN AND/OR ADJACENT TO THE SITE AND TO AVOID IMPACT ON ADJACENT BUILDINGS AND/OR PROPERTIES. METHODS FOR DUST CONTROL MUST BE APPROVED BY THE ENGINEER.

DISPOSAL OF EXCESS, UNSUITABLE, AND/OR UNUSABLE MATERIALS

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF ANY EXCESS, UNSUITABLE AND/OR UNUSABLE MATERIALS RESULTING FROM THE COMPLETION OF THE PROPOSED IMPROVEMENTS THAT ARE NOT OTHERWISE NEEDED/REQUIRED WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN WRITTEN PERMISSION FROM ANY PROPERTY OWNER OR OTHER AGENCY TO PLACE OR REMOVE ANY MATERIAL FROM THIS PROJECT ONTO OTHER PROPERTIES AND SHALL FURNISH THE OWNER/ENGINEER WITH COPIES OF THESE WRITTEN AGREEMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL CLAIMS RESULTING FROM THE PLACEMENT/DISPOSAL OF EXCESS, UNSUITABLE, AND/OR UNUSABLE MATERIALS ONTO OTHER PROPERTIES, INCLUDING BUT NOT LIMITED TO ENVIRONMENTAL ISSUES. NO MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE WITHOUT PERMISSION OF THE CONSTRUCTION MANAGER OR ENGINEER.

REMOVAL AND/OR DEMOLITION OF EXISTING IMPROVEMENTS AND/OR UTILITIES

THE CONTRACTOR SHALL REMOVE AND/OR DEMOLISH ALL EXISTING IMPROVEMENTS AS SPECIFIED AND/OR REQUIRED TO PROPERLY COMPLETE THE PROPOSED IMPROVEMENTS. EXISTING IMPROVEMENTS SHALL BE REMOVED COMPLETELY UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER. ALL TRENCHES, EXCAVATIONS, VOIDS RESULTING FROM THE REMOVAL OR DEMOLITION SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL, COMPACTED TO 98% MAXIMUM DRY DENSITY PER ASTM D-698 OR EQUIVALENT RELATIVE DENSITY, AND AS REQUIRED BY THE ENGINEER. THE CONTRACTOR SHALL BE LIABLE AND RESPONSIBLE TO SUPPORT AND PROTECT ALL EXISTING STRUCTURES, BUILDINGS, FOUNDATIONS, UTILITIES, AND/OR OTHER IMPROVEMENTS DURING THE REMOVAL AND/OR REPLACEMENT OR BACKFILL OF ITEMS SPECIFIED OR REQUIRED TO BE REMOVED.

BACKFILL OF TRENCHES ADJACENT TO UTILITY POLES

WHERE THE PROPOSED SANITARY SEWER, STORM SEWER, AND/OR WATERLINE IS ADJACENT TO AN EXISTING UTILITY POLE, THE UTILITY TRENCH SHALL BE PROPERLY AND COMPLETELY BACKFILLED AND COMPLETED IMMEDIATELY AFTER INSTALLATION. THE UTILITY SHALL BE INSTALLED AND BACKFILLED AS A TYPE B CONDUIT PER ODOT ITEM 603 FOR A MINIMUM LENGTH OF 10 LF, 5' ON EACH SIDE OF THE UTILITY POLE.

TOPOGRAPHIC INFORMATION

THE EXISTING TOPOGRAPHIC INFORMATION USED FOR THE DESIGN OF THIS IMPROVEMENT AND DEPICTED THROUGHOUT THE CONSTRUCTION DRAWINGS WAS OBTAINED FROM AN ACTUAL TOPOGRAPHIC SURVEY PERFORMED BY DEBEL SURVEYING, INC. AND/OR FROM STARK COUNTY TOPOGRAPHIC MAPPING. THE CONTRACTOR SHALL VERIFY EXISTING DATA THAT COULD EFFECT COMPLETION OF THE PROPOSED IMPROVEMENTS PRIOR TO STARTING CONSTRUCTION.

MAINTENANCE OF UTILITY SERVICES

THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN UTILITY SERVICES ALONG/WITHIN THE PROJECT AREA AT ALL TIMES. WATER SERVICE MAY BE INTERRUPTED FOR LIMITED PERIODS OF TIME (4 HOURS MAXIMUM) DURING CONNECTION BETWEEN EXISTING WATER LINES AND RELOCATED/NEW WATER MAINS WHICH CANNOT BE COMPLETED OTHERWISE. SHUTDOWN/DISRUPTION OF WATER SERVICE TO BUSINESSES, SCHOOLS, CHURCHES, OR OTHER COMMERCIAL USERS SHALL BE SCHEDULED TO OCCUR DURING NON-OPERATING HOURS OF BUSINESS. NO SHUT DOWN SHALL OCCUR WITHOUT PRIOR WRITTEN PERMISSION OF THE CITY OF MASSILLON. THE CONTRACTOR SHALL NOTIFY ANY OWNERS/BUSINESSES AFFECTED BY THE APPROVED INTERRUPTION OF SERVICE SHALL BE NOTIFIED 48 HOURS IN ADVANCE BY THE CONTRACTOR. STORM, SANITARY SERVICES, AND OTHER UTILITIES SHALL BE MAINTAINED/PROVIDED WITHOUT INTERRUPTION.

UTILITY SERVICES SERVING THE ADJACENT BUSINESSES SHALL NOT BE INTERRUPTED AT ANY TIME FOR ANY REASON.

PROHIBITED CONNECTIONS TO SANITARY SEWERS

ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO SANITARY SEWERS ARE PROHIBITED.

STORM SEWERS

ALL PROPOSED STORM SEWERS SHALL MEET THE REQUIREMENTS OF O.D.O.T. ITEM 603 AS SPECIFIED AND AS DIRECTED BY THE ENGINEER. BEDDING AND BACKFILL SHALL BE PER THE APPLICABLE DETAIL. (SLAG NOT PERMITTED). STORM SEWER PIPE MATERIALS (EXCEPT AS SPECIFICALLY NOTED OTHERWISE) SHALL MEET THE REQUIREMENTS OF O.D.O.T. 706.02 (REINFORCED CONCRETE CIRCULAR PIPE), OR 707.33 (SMOOTH LINED CORRUGATED POLYETHYLENE). PIPE MEETING 707.33 SHALL HAVE BELL AND SPIGOT ENDS WITH A GASKET SEAL TO PROVIDE A WATER TIGHT JOINT. (ASTM F-477) LEAKAGE TESTING WILL BE PERFORMED AS DIRECTED BY THE ENGINEER.

ALL DOWNSPOUT LINES AND/OR EXTENSIONS OF ROOF DRAINS/DOWNSPOUT LINES SHALL BE POLYVINYL CHLORIDE PIPE. (PVC) SDR-35 MEETING THE REQUIREMENTS OF O.D.O.T. 707.45. STANDARD BENDS AND FITTINGS SHALL BE USED FOR CHANGES IN DIRECTION AND/OR ELEVATION OF THE DOWNSPOUT/ROOF DRAINS AND FOR THE CONNECTION OF DOWNSPOUT LINES TO THE HEADER LINE. HEADER STORM LINES SHALL MEET ODOT 707.33 &/OR 707.45 AS SPECIFIED HEREIN.

BEDDING MATERIAL SHALL MEET THE REQUIREMENTS/SPECIFICATIONS OF THE PIPE MANUFACTURER AND SHALL BE AS SPECIFIED AND AS APPROVED BY THE ENGINEER.

CATCH BASINS & STORM MANHOLES

ALL STORM SEWER CATCH BASINS AND MANHOLES SHALL MEET THE REQUIREMENTS OF O.D.O.T. ITEM 604. PIPE OPENINGS SHALL BE CAST INTO ALL PIPES AT CATCH BASINS AND MANHOLES. KNOCKOUT PANELS/SIDES ARE UNACCEPTABLE. CATCH BASINS SHALL BE 24" OR 30" OR 36" OR 42" OR 48" OR 54" OR 60" OR 66" OR 72" OR 78" OR 84" OR 90" OR 96" OR 102" OR 108" OR 114" OR 120" OR 126" OR 132" OR 138" OR 144" OR 150" OR 156" OR 162" OR 168" OR 174" OR 180" OR 186" OR 192" OR 198" OR 204" OR 210" OR 216" OR 222" OR 228" OR 234" OR 240" OR 246" OR 252" OR 258" OR 264" OR 270" OR 276" OR 282" OR 288" OR 294" OR 300" OR 306" OR 312" OR 318" OR 324" OR 330" OR 336" OR 342" OR 348" OR 354" OR 360" OR 366" OR 372" OR 378" OR 384" OR 390" OR 396" OR 402" OR 408" OR 414" OR 420" OR 426" OR 432" OR 438" OR 444" OR 450" OR 456" OR 462" OR 468" OR 474" OR 480" OR 486" OR 492" OR 498" OR 504" OR 510" OR 516" OR 522" OR 528" OR 534" OR 540" OR 546" OR 552" OR 558" OR 564" OR 570" OR 576" OR 582" OR 588" OR 594" OR 600" OR 606" OR 612" OR 618" OR 624" OR 630" OR 636" OR 642" OR 648" OR 654" OR 660" OR 666" OR 672" OR 678" OR 684" OR 690" OR 696" OR 702" OR 708" OR 714" OR 720" OR 726" OR 732" OR 738" OR 744" OR 750" OR 756" OR 762" OR 768" OR 774" OR 780" OR 786" OR 792" OR 798" OR 804" OR 810" OR 816" OR 822" OR 828" OR 834" OR 840" OR 846" OR 852" OR 858" OR 864" OR 870" OR 876" OR 882" OR 888" OR 894" OR 900" OR 906" OR 912" OR 918" OR 924" OR 930" OR 936" OR 942" OR 948" OR 954" OR 960" OR 966" OR 972" OR 978" OR 984" OR 990" OR 996" OR 1002" OR 1008" OR 1014" OR 1020" OR 1026" OR 1032" OR 1038" OR 1044" OR 1050" OR 1056" OR 1062" OR 1068" OR 1074" OR 1080" OR 1086" OR 1092" OR 1098" OR 1104" OR 1110" OR 1116" OR 1122" OR 1128" OR 1134" OR 1140" OR 1146" OR 1152" OR 1158" OR 1164" OR 1170" OR 1176" OR 1182" OR 1188" OR 1194" OR 1200" OR 1206" OR 1212" OR 1218" OR 1224" OR 1230" OR 1236" OR 1242" OR 1248" OR 1254" OR 1260" OR 1266" OR 1272" OR 1278" OR 1284" OR 1290" OR 1296" OR 1302" OR 1308" OR 1314" OR 1320" OR 1326" OR 1332" OR 1338" OR 1344" OR 1350" OR 1356" OR 1362" OR 1368" OR 1374" OR 1380" OR 1386" OR 1392" OR 1398" OR 1404" OR 1410" OR 1416" OR 1422" OR 1428" OR 1434" OR 1440" OR 1446" OR 1452" OR 1458" OR 1464" OR 1470" OR 1476" OR 1482" OR 1488" OR 1494" OR 1500" OR 1506" OR 1512" OR 1518" OR 1524" OR 1530" OR 1536" OR 1542" OR 1548" OR 1554" OR 1560" OR 1566" OR 1572" OR 1578" OR 1584" OR 1590" OR 1596" OR 1602" OR 1608" OR 1614" OR 1620" OR 1626" OR 1632" OR 1638" OR 1644" OR 1650" OR 1656" OR 1662" OR 1668" OR 1674" OR 1680" OR 1686" OR 1692" OR 1698" OR 1704" OR 1710" OR 1716" OR 1722" OR 1728" OR 1734" OR 1740" OR 1746" OR 1752" OR 1758" OR 1764" OR 1770" OR 1776" OR 1782" OR 1788" OR 1794" OR 1800" OR 1806" OR 1812" OR 1818" OR 1824" OR 1830" OR 1836" OR 1842" OR 1848" OR 1854" OR 1860" OR 1866" OR 1872" OR 1878" OR 1884" OR 1890" OR 1896" OR 1902" OR 1908" OR 1914" OR 1920" OR 1926" OR 1932" OR 1938" OR 1944" OR 1950" OR 1956" OR 1962" OR 1968" OR 1974" OR 1980" OR 1986" OR 1992" OR 1998" OR 2004" OR 2010" OR 2016" OR 2022" OR 2028" OR 2034" OR 2040" OR 2046" OR 2052" OR 2058" OR 2064" OR 2070" OR 2076" OR 2082" OR 2088" OR 2094" OR 2100" OR 2106" OR 2112" OR 2118" OR 2124" OR 2130" OR 2136" OR 2142" OR 2148" OR 2154" OR 2160" OR 2166" OR 2172" OR 2178" OR 2184" OR 2190" OR 2196" OR 2202" OR 2208" OR 2214" OR 2220" OR 2226" OR 2232" OR 2238" OR 2244" OR 2250" OR 2256" OR 2262" OR 2268" OR 2274" OR 2280" OR 2286" OR 2292" OR 2298" OR 2304" OR 2310" OR 2316" OR 2322" OR 2328" OR 2334" OR 2340" OR 2346" OR 2352" OR 2358" OR 2364" OR 2370" OR 2376" OR 2382" OR 2388" OR 2394" OR 2400" OR 2406" OR 2412" OR 2418" OR 2424" OR 2430" OR 2436" OR 2442" OR 2448" OR 2454" OR 2460" OR 2466" OR 2472" OR 2478" OR 2484" OR 2490" OR 2496" OR 2502" OR 2508" OR 2514" OR 2520" OR 2526" OR 2532" OR 2538" OR 2544" OR 2550" OR 2556" OR 2562" OR 2568" OR 2574" OR 2580" OR 2586" OR 2592" OR 2598" OR 2604" OR 2610" OR 2616" OR 2622" OR 2628" OR 2634" OR 2640" OR 2646" OR 2652" OR 2658" OR 2664" OR 2670" OR 2676" OR 2682" OR 2688" OR 2694" OR 2700" OR 2706" OR 2712" OR 2718" OR 2724" OR 2730" OR 2736" OR 2742" OR 2748" OR 2754" OR 2760" OR 2766" OR 2772" OR 2778" OR 2784" OR 2790" OR 2796" OR 2802" OR 2808" OR 2814" OR 2820" OR 2826" OR 2832" OR 2838" OR 2844" OR 2850" OR 2856" OR 2862" OR 2868" OR 2874" OR 2880" OR 2886" OR 2892" OR 2898" OR 2904" OR 2910" OR 2916" OR 2922" OR 2928" OR 2934" OR 2940" OR 2946" OR 2952" OR 2958" OR 2964" OR 2970" OR 2976" OR 2982" OR 2988" OR 2994" OR 3000" OR 3006" OR 3012" OR 3018" OR 3024" OR 3030" OR 3036" OR 3042" OR 3048" OR 3054" OR 3060" OR 3066" OR 3072" OR 3078" OR 3084" OR 3090" OR 3096" OR 3102" OR 3108" OR 3114" OR 3120" OR 3126" OR 3132" OR 3138" OR 3144" OR 3150" OR 3156" OR 3162" OR 3168" OR 3174" OR 3180" OR 3186" OR 3192" OR 3198" OR 3204" OR 3210" OR 3216" OR 3222" OR 3228" OR 3234" OR 3240" OR 3246" OR 3252" OR 3258" OR 3264" OR 3270" OR 3276" OR 3282" OR 3288" OR 3294" OR 3300" OR 3306" OR 3312" OR 3318" OR 3324" OR 3330" OR 3336" OR 3342" OR 3348" OR 3354" OR 3360" OR 3366" OR 3372" OR 3378" OR 3384" OR 3390" OR 3396" OR 3402" OR 3408" OR 3414" OR 3420" OR 3426" OR 3432" OR 3438" OR 3444" OR 3450" OR 3456" OR 3462" OR 3468" OR 3474" OR 3480" OR 3486" OR 3492" OR 3498" OR 3504" OR 3510" OR 3516" OR 3522" OR 3528" OR 3534" OR 3540" OR 3546" OR 3552" OR 3558" OR 3564" OR 3570" OR 3576" OR 3582" OR 3588" OR 3594" OR 3600" OR 3606" OR 3612" OR 3618" OR 3624" OR 3630" OR 3636" OR 3642" OR 3648" OR 3654" OR 3660" OR 3666" OR 3672" OR 3678" OR 3684" OR 3690" OR 3696" OR 3702" OR 3708" OR 3714" OR 3720" OR 3726" OR 3732" OR 3738" OR 3744" OR 3750" OR 3756" OR 3762" OR 3768" OR 3774" OR 3780" OR 3786" OR 3792" OR 3798" OR 3804" OR 3810" OR 3816" OR 3822" OR 3828" OR 3834" OR 3840" OR 3846" OR 3852" OR 3858" OR 3864" OR 3870" OR 3876" OR 3882" OR 3888" OR 3894" OR 3900" OR 3906" OR 3912" OR 3918" OR 3924" OR 3930" OR 3936" OR 3942" OR 3948" OR 3954" OR 3960" OR 3966" OR 3972" OR 3978" OR 3984" OR 3990" OR 3996" OR 4002" OR 4008" OR 4014" OR 4020" OR 4026" OR 4032" OR 4038" OR 4044" OR 4050" OR 4056" OR 4062" OR 4068" OR 4074" OR 4080" OR 4086" OR 4092" OR 4098" OR 4104" OR 4110" OR 4116" OR 4122" OR 4128" OR 4134" OR 4140" OR 4146" OR 4152" OR 4158" OR 4164" OR 4170" OR 4176" OR 4182" OR 4188" OR 4194" OR 4200" OR 4206" OR 4212" OR 4218" OR 4224" OR 4230" OR 4236" OR 4242" OR 4248" OR 4254" OR 4260" OR 4266" OR 4272" OR 4278" OR 4284" OR 4290" OR 4296" OR 4302" OR 4308" OR 4314" OR 4320" OR 4326" OR 4332" OR 4338" OR 4344" OR 4350" OR 4356" OR 4362" OR 4368" OR 4374" OR 4380" OR 4386" OR 4392" OR 4398" OR 4404" OR 4410" OR 4416" OR 4422" OR 4428" OR 4434" OR 4440" OR 4446" OR 4452" OR 4458" OR 4464" OR 4470" OR 4476" OR 4482" OR 4488" OR 4494" OR 4500" OR 4506" OR 4512" OR 4518" OR 4524" OR 4530" OR 4536" OR 4542" OR 4548" OR 4554" OR 4560" OR 4566" OR 4572" OR 4578" OR 4584" OR 4590" OR 4596" OR 4602" OR 4608" OR 4614" OR 4620" OR 4626" OR 4632" OR 4638" OR 4644" OR 4650" OR 4656" OR 4662" OR 4668" OR 4674" OR 4680" OR 4686" OR 4692" OR 4698" OR 4704" OR 4710" OR 4716" OR 4722" OR 4728" OR 4734" OR 4740" OR 4746" OR 4752" OR 4758" OR 4764" OR 4770" OR 4776" OR 4782" OR 4788" OR 4794" OR 4800" OR 4806" OR 4812" OR 4818" OR 4824" OR 4830" OR 4836" OR 4842" OR 4848" OR 4854" OR 4860" OR 4866" OR 4872" OR 4878" OR 4884" OR 4890" OR 4896" OR 4902" OR 4908" OR 4914" OR 4920" OR 4926" OR 4932" OR 4938" OR 4944" OR 49