

UNRECORDED TREATED NON-STORMWATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED TREATED NON-STORMWATER DRAINAGE, SUCH AS TREATED SEPTIC, TREATED WASTEWATER, TREATED CURTAIN/GRADIENT DRAINS, AND TREATED FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. A CONTINUANCE MAY ALSO REQUIRE A NPDES PERMIT FROM THE OHIO ENVIRONMENTAL PROTECTION AGENCY. REPORT ALL CONTINUANCE TO THE LOCAL HEALTH DEPARTMENT.

WHERE MAKING A CONNECTION INTO A HIGHWAY DRAINAGE CONDUIT, AN INSPECTION WELL SHALL BE PROVIDED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING DM-3.1.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE CONTINUANCE:

603, 6" CONDUIT, TYPE C 100 FT.
604, INSPECTION WELL 2 EACH

UNRECORDED STORM WATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

603, 6" CONDUIT, TYPE B 200 FT.
603, 6" CONDUIT, TYPE C 200 FT.
603, 6" CONDUIT, TYPE E 200 FT.
603, 6" CONDUIT, TYPE F 200 FT.
603, 4" CONDUIT, TYPE B 200 FT.
603, 4" CONDUIT, TYPE C 200 FT.
603, 4" CONDUIT, TYPE E 200 FT.
603, 4" CONDUIT, TYPE F 200 FT.

ITEM 603 CONDUIT, TYPE F, AS PER PLAN

THE MATERIALS FOR THIS ITEM SHALL BE LIMITED TO 707.21 AND 707.04.

ALL CHANGES IN DIRECTION SHALL BE MADE WITH PREFABRICATED BENDS. ALL PIPE JOINTS SHALL HAVE MECHANICAL CONNECTIONS THAT ENGAGE AT LEAST TWO (2) CORRUGATIONS ON EACH SIDE OF THE PIPE JOINT. ALL PIPE JOINTS SHALL HAVE A CONCRETE COLLAR PER DM 1.1.

THIS ITEM SHALL INCLUDE THE REPLACEMENT OF PIPE BACKFILL UP TO THE EXISTING GROUND. THE UNIT BID PRICE FOR THIS ITEM SHALL INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO MEET THE ABOVE REQUIREMENTS.

UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS

FURNISH A CONTINUANCE FOR ALL UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS SUCH AS SANITARY, WASTEWATER, CURTAIN/GRADIENT DRAINS, AND FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. FURNISH AN UNOBSTRUCTED CONTINUANCE OF THE UNRECORDED ACTIVE SANITARY SEWER CONNECTIONS TO THE SATISFACTION OF THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. ALL SANITARY AND SANITARY WASTEWATER CONTINUANCE MAY ALSO REQUIRE A NPDES PERMIT FROM THE OHIO ENVIRONMENTAL PROTECTION AGENCY. REPORT ALL CONTINUANCE TO THE LOCAL HEALTH DEPARTMENT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.42, 707.43, 707.44, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35, 706.01, 706.02, OR 706.08 WITH JOINTS AS PER 706.11 OR 706.12.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

603, 6" CONDUIT, TYPE B 100 FT.
603, 6" CONDUIT, TYPE C 100 FT.

ITEM SPECIAL - MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 604 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL 1500 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL - PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

UNLESS OTHERWISE DETAILED IN THE PLANS, THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE ABOVE NOTED WORK AT THE DIRECTION OF THE ENGINEER:

SPECIAL, PIPE CLEANOUT 400 FT.

UNDERDRAIN CONNECTIONS

ALL EXISTING UNDERDRAINS SHALL BE CONNECTED INTO THE PROPOSED UNDERDRAINS AS SHOWN IN THE UNDERDRAIN PLAN AND DETAILS. SECTIONS OF EXISTING UNDERDRAIN DESIGNATED TO BE REMOVED SHALL BE CONSIDERED TO BE INCIDENTAL TO THE EXCAVATION. ALL MATERIAL, LABOR AND INCIDENTALS, INCLUDING BENDS AND BRANCHES NECESSARY TO PROVIDE THE CONNECTION OF THE EXISTING UNDERDRAINS SHALL BE INCLUDED IN THE FOLLOWING:

603, 6" CONDUIT, TYPE E 200 FT.

PROPOSED UNDERDRAINS

UNDERDRAIN OUTLET CONNECTIONS AND TRANSVERSE UNDERDRAINS MAY EXTEND ACROSS ADJOINING CONSTRUCTION PHASES. IN THESE SITUATIONS THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PLUGS OR CAPS AT THE LIMITS OF THE UNDERDRAIN CONSTRUCTION OF THE SUBSEQUENT PHASE. THE TEMPORARY CAP SHALL BE REMOVED, THE EXISTING OUTLET SHALL BE INSPECTED FOR CLEANLINESS, CLEANED IF NECESSARY, AND THE UNDERDRAIN OR OUTLET CONSTRUCTION COMPLETED OR CONTINUED TO THE NEXT STAGE LIMIT. ALL MATERIAL, LABOR, AND INCIDENTALS NECESSARY TO PROVIDE, TO THE SATISFACTION OF THE ENGINEER, THE TEMPORARY CAPPING AND PIPE CLEANOUT BETWEEN EACH PHASE SHALL BE INCLUDED IN ITEM 603 -6" CONDUIT, TYPE B OR F AND/OR ITEM 605 - SHALLOW PIPE UNDERDRAIN, BY SIZE AND TYPE.

UNDERDRAINS AT THE WESTERLY LIMITS OF STAGE I CONSTRUCTION WILL RECEIVE THE UNDERDRAIN FLOW FROM THE SUBSEQUENT EASTERLY STAGE OR PROJECT. TEMPORARY CAPS SHALL BE PROVIDED DURING STAGE I CONSTRUCTION AT THESE LOCATIONS AND THE CONNECTION TO THE ADJOINING CONSTRUCTION STAGE SHALL BE REFERENCED ABOVE. ALL MATERIAL, LABOR, AND INCIDENTALS NECESSARY TO PROVIDE, TO THE SATISFACTION OF THE ENGINEER, THE TEMPORARY CAPPING AND PIPE CLEANOUT BETWEEN EACH STAGE SHALL BE INCLUDED IN ITEM 605-SHALLOW PIPE UNDERDRAIN, BY SIZE AND TYPE.

ALL MATERIAL, LABOR, AND INCIDENTALS, INCLUDING BENDS AND BRANCHES NECESSARY TO PROVIDE THE CONSTRUCTION OF THE PROPOSED UNDERDRAIN SHALL BE INCLUDED IN ITEM 603 - 6" CONDUIT, TYPE B OR TYPE F.

ITEM 601 - PAVED GUTTER, TYPE I-4, AS PER PLAN

ITEM 601 PAVED GUTTER, TYPE I-4, AS PER PLAN SHALL FOLLOW THE SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS FOR ITEM 601 PAVED GUTTER, TYPE I-4 AND SCD DM-2.1, EXCEPT: THAT THE SIDESLOPES SHALL BE PAVED AT A 2:1 SLOPE TO ELEVATION 632.50.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH LEAN GROUT, ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

AN ADDITIONAL CONTINGENCY AMOUNT OF QUANTITY OF 200 FT HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE.

EROSION CONTROL

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT. SEE THE WATER QUALITY BMP DETAILS FOR ADDITIONAL INFORMATION.

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

SEE SHEET 264 FOR A SUMMARY OF THE SEEDING AND MULCHING QUANTITIES THAT ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDING AREAS.

TEMPORARY EROSION CONTROL FOR SLOPES AND CHANNELS

FOR ALL SLOPE AND CHANNEL AREAS THAT ARE DETERMINED TO REQUIRE TREATMENT IN ADDITION TO SEEDING AND MULCHING, THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

671, EROSION CONTROL MAT, TYPE A 2000 S.Y.
671, EROSION CONTROL MAT, TYPE B 2000 S.Y.
671, EROSION CONTROL MAT, TYPE C 2000 S.Y.
671, EROSION CONTROL MAT, TYPE D 2000 S.Y.
671, EROSION CONTROL MAT, TYPE E 2000 S.Y.

PAVEMENT

ITEM 202 - PAVEMENT REMOVED

PAVEMENT FOR SAW CUTTING REQUIRED TO REMOVE EXISTING CONCRETE PAVEMENT AS NOTED IN THE PLANS SHALL BE INCLUDED IN ITEM 202 - PAVEMENT REMOVED.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING (VINE STREET AND LAKELAND BLVD.)

WHERE NEW CONCRETE IS PLACED ADJACENT TO EXISTING CONCRETE, PROVIDE CONTRACTION JOINTS IN THE NEW CONCRETE TO FORM CONTINUOUS JOINTS WITH THOSE IN THE EXISTING CONCRETE.

THE MAXIMUM DISTANCE BETWEEN THE JOINTS IN THE NEW CONCRETE ARE IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2, IF NECESSARY, ADDITIONAL JOINTS MAY BE PROVIDED IN THE NEW CONCRETE AT APPROXIMATELY EQUAL INTERVALS BETWEEN EXISTING JOINTS THAT EXCEED THE MAXIMUM SPACING.

CONTRACTION JOINTS IN CONCRETE PAVEMENT OR BASE WIDENING (LOST NATION ROAD)

WHERE NEW CONCRETE IS PLACED ADJACENT TO AND TIED TO EXISTING CONCRETE, THE CONTRACTION JOINT SPACING REQUIRED IN STANDARD CONSTRUCTION DRAWING BP-2.2 WILL BE WAIVED. CONSTRUCT CONTRACTION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL CONTRACTION JOINTS IN THE EXISTING CONCRETE PAVEMENT. INSTALL EXPANSION JOINTS IN THE NEW CONCRETE PAVEMENT TO FORM A CONTINUOUS LINE WITH ALL EXPANSION JOINTS IN THE EXISTING CONCRETE PAVEMENT.

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GENERAL NOTES

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