

GENERAL NOTES

PLAN NO. 271

DRAINAGE

REVIEW DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT, AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH 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 THE APPURTENANCES SHALL BE KEPT IN WRITING BY THE STATE.

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 STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PERTINENT 603 CONDUIT ITEMS OF THE CONTRACT.

CONNECTION TO EXISTING PIPES

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 EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

PIPE SPECIALS

THE CONTRACTOR SHALL FURNISH AND INSTALL SPECIALS SUCH AS BENDS, PLUGS, TEES AND FIELD CONNECTIONS FOR VARIOUS SIZES AND TYPES OF CONDUITS TO BE BUILT ON THIS PROJECT AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

VARIOUS SIZE TEES AND VARIOUS SIZE FIELD CONNECTIONS ARE ITEMIZED IN THE DRAINAGE SUB-SUMMARY SHEET 82. THE COST OF SUCH PIPE SPECIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT ITEM 603 CONDUITS.

HOUSE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS OR YARD DRAINS, DISTURBED BY THE PROPOSED WORK SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING TO A STORM SEWER, MANHOLE OR CATCH BASIN.

THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS WILL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603 - 6" CONDUIT, TYPE B, 706.08	40 L.F.
ITEM 603 - 6" CONDUIT, TYPE C, 706.08	40 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

CATCH BASIN GRATE REPLACEMENT

CATCH BASINS LOCATED IN SIDESTREET TURNOUTS NEAR CURB RAMPS SHALL HAVE THEIR GRATES PLACED SO THAT THE CATCH BASIN IS AS BICYCLE SAFE AS POSSIBLE. THE DIAGONAL BARS OF THE GRATE SHALL BE PLACED AS NEARLY PERPENDICULAR AS POSSIBLE TO THE DIRECTION OF TRAVEL OF BICYCLES OR PEDESTRIAN TRAFFIC.

ITEM SPECIAL - MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE, AS DETERMINED BY THE ENGINEER, DURING CONSTRUCTION OF THE PROJECT. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CASTING OF THE REQUIRED TYPE, SIZE AND STRENGTH FOR THE PARTICULAR STRUCTURE IN QUESTION, AS DIRECTED BY THE ENGINEER.

ALL CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF ITEM 604. THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL CASTINGS. ANY CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTING BY THE CONTRACTOR AT NO EXPENSE TO THE STATE. STORM AND SANITARY MANHOLES SHALL HAVE NEENAH R-1782 FRAME AND LID, EAST JORDAN #1710 FRAME AND LID OR APPROVED EQUAL.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM SPECIAL - MISCELLANEOUS METAL	4000 LBS.
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NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

ITEM 202 - MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

THE CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY VILLAGE OF FAIRPORT FORCES.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 202 ITEM.

ITEM 603 - 36" CONDUIT TYPE B, AS PER PLAN, TYPE I

36" CONDUIT TYPE B, AS PER PLAN, TYPE I SHALL BE 706.02 WITH JOINTS AS PER 706.11 AND DOES NOT REQUIRE TESTING FOR INFILTRATION OR EXFILTRATION REQUIREMENTS OF ASTM C 969 AS PER 603.06.

ITEM 603 - 36" CONDUIT TYPE B, AS PER PLAN, TYPE II

36" CONDUIT TYPE B, AS PER PLAN, TYPE II SHALL BE 706.02 1250 D-LOAD WITH JOINTS AS PER 706.11 AND DOES NOT REQUIRE TESTING FOR INFILTRATION AND EXFILTRATION REQUIREMENTS OF ASTM C 969 AS PER 603.06.

ITEM 603 - JACKING PIPE

AS PART OF THE CONTRACT, IT WILL BE NECESSARY TO INSTALL A 36" CONDUIT, TYPE B 706.02 3000 D-LOAD WALL C UNDER THE EXISTING RAILROAD AT STATION 83+95, 20' RIGHT, BY THE METHOD OF BORING AND JACKING. TRENCHES SHALL BE ADEQUATELY SUPPORTED AND THE SPECIFICATION REQUIREMENT FOR CLASS B BEDDING SHALL BE DISREGARDED.

ITEM 604 - CASTINGS ADJUSTED TO GRADE, AS PER PLAN

ALL MANHOLES, MONUMENTS, WATER VALVE BOXES AND OTHER CASTINGS ENCOUNTERED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO GRADE. ADJUSTING RINGS SHALL NOT BE AN ACCEPTED MEANS OF ADJUSTING CASTINGS. BRICK USED FOR ADJUSTING TO GRADE SHALL BE CLAY OR SHALE BRICK MEETING THE REQUIREMENTS OF ASTM C 32 SEWER BRICK GRADE SM. CONCRETE BRICK OR MASONARY BLOCK SHALL NOT BE USED. OTHERWISE ALL WORK SHALL BE IN ACCORDANCE WITH ITEM 604.

ITEM 604 - MANHOLE/CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN

THE CONTRACTOR AND THE PROJECT ENGINEER SHALL FIELD CHECK ALL EXISTING MANHOLES/INLET BASINS LOCATED WITHIN THE LIMITS OF THE PROJECT WHICH ARE TO REMAIN. ANY MANHOLE FOUND THAT EXHIBITS SUBSTANTIAL DETERIORATION AND REQUIRES MORE WORK THAN IS SPECIFIED UNDER CASTINGS ADJUSTED TO GRADE, SHALL BE RECONSTRUCTED TO GRADE AS DIRECTED BY THE ENGINEER. ADJUSTING RINGS SHALL NOT BE AN ACCEPTED MEANS OF ADJUSTING CASTINGS. BRICK USED FOR ADJUSTING TO GRADE SHALL BE CLAY OR SHALE BRICK MEETING THE REQUIREMENTS OF ASTM C 32 SEWER BRICK GRADE SM. CONCRETE BRICK OR MASONARY BLOCK SHALL NOT BE USED. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 604 - MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN	3 EACH
ITEM 604 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	3 EACH

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

ITEM 604 - CATCH BASIN, AS PER PLAN

CONCRETE BRICK OR CONCRETE MASONRY BLOCK SHALL NOT BE USED FOR THE CONSTRUCTION OF PROPOSED CATCH BASINS IN THIS PROJECT. OTHERWISE ALL WORK SHALL CONFORM TO ITEM 604 AND DETAIL SHEET NO. 69.

ITEM 604 - INLET NO. 1

THE FOLLOWING CONTINGENCY ITEMS ARE TO BE USED AS DIRECTED BY THE ENGINEER TO DRAIN WATER TRAPPED IN LOW AREAS BEHIND THE CURB.

ITEM 604 - INLET NO. 1	5 EACH
ITEM 603 - 8" CONDUIT, TYPE B, 706.08	100 L.F.
ITEM 603 - 8" CONDUIT, TYPE C, 706.08	100 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

SANITARY SEWER

SANITARY FLOW INTO HIGHWAY DRAINAGE SYSTEM

PLAN MAKES NO PROVISIONS FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT, ANY EXISTING OR NEW DRAINAGE INTO THE HIGHWAY DRAINAGE SYSTEM, WHEN SUCH DRAINS CARRY FLOW FROM ANY PLUMBING FIXTURES, INCLUDING FLOOR DRAINS AND SINK DRAINS, OR DRAINS FROM LIVESTOCK LOTS OR BARN.

UNRECORDED SANITARY CONNECTIONS

ANY UNRECORDED ACTIVE CONNECTION TO A SANITARY SEWER ENCOUNTERED DURING CONSTRUCTION SHALL BE RECONNECTED TO THE EXISTING SEWER, AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 603 - 6" CONDUIT, TYPE B, AS PER PLAN, 706.08 W/ JOINTS AS PER 706.12	40 L.F.
ITEM 603 - 6" CONDUIT, TYPE C, AS PER PLAN, 706.08 W/ JOINTS AS PER 706.12	40 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

SANITARY SEWERAGE

ALL WORK INVOLVING SANITARY SEWERS AND/OR MANHOLES SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE LAKE COUNTY SANITARY ENGINEER'S OFFICE. THE CONTRACTOR SHALL ARRANGE FOR THE PAYMENT OF ANY AND ALL INSPECTION FEES ASSOCIATED WITH THE WORK TO BE PERFORMED UNDER THIS CONTRACT PRIOR TO INITIATING ANY WORK IN THE FIELD AND SHALL CONTACT THE OFFICE OF THE LAKE COUNTY SANITARY ENGINEER NOT LESS THAN 48 HOURS PRIOR TO STARTING CONSTRUCTION TO ARRANGE FOR INSPECTION.

SANITARY SEWERAGE NOTES

THE CONTRACTORS' ATTENTION IS CALLED TO 107.02 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS AND SHALL CONTACT MR. ALBERT SAARI, P.E., LAKE COUNTY SANITARY ENGINEER, FOR SPECIFIC CHARGES AND REQUIREMENTS FOR THIS PROJECT. SANITARY SEWER CONSTRUCTION SHALL ONLY BE PERFORMED BY A CONTRACTOR LICENSED BY THE LAKE COUNTY UTILITIES DEPARTMENT TO CONSTRUCT SANITARY SEWERS AND APPURTENANCES.

ALL SANITARY SEWER CONSTRUCTION SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE LAKE COUNTY SANITARY ENGINEER AND AT ALL TIMES BE SUBJECT TO HIS DIRECT SUPERVISION AND INSPECTION.

THE CONTRACTOR SHALL PROVIDE THE LAKE COUNTY SANITARY ENGINEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO BEGINNING SANITARY SEWER WORK TO ARRANGE FOR INSPECTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO PAY ALL INSPECTION FEES REQUIRED BY THE LAKE COUNTY SANITARY ENGINEER.

ALL SANITARY SEWERS MUST HAVE PREMIUM JOINTS AND THE ENTIRE NEW SYSTEM(S) MUST PASS EITHER AN EXFILTRATION OR AN INFILTRATION TEST AFTER CONSTRUCTION HAS BEEN COMPLETED. THE MAXIMUM ALLOWABLE RATE OF INFILTRATION SHALL BE 200 GALLONS PER INCH DIAMETER OF SEWER PER MILE PER DAY.

ALL SANITARY SEWER CONNECTIONS SHALL BE 6" DIAMETER AND SHALL HAVE PREMIUM JOINTS. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

SANITARY SEWERS AND SANITARY SEWER CONNECTIONS SHALL BE CONSTRUCTED OF VITRIFIED CLAY PIPE (VCP), C-700 E.S. WITH PREMIUM JOINTS OR DUCTILE IRON PIPE (DIP), CLASS 52 WITH PREMIUM JOINTS.

NO SANITARY SEWER SERVICE CONNECTIONS TO ANY BUILDING SHALL BE PERMITTED PRIOR TO APPROVAL OF THE NEW SANITARY SEWER FACILITIES BY THE LAKE COUNTY SANITARY ENGINEER.

SANITARY SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES BY PUMPING SEWAGE TO THE NEXT AVAILABLE DOWNSTREAM SANITARY MANHOLE.

MAINTENANCE OF TRAFFIC

ITEM 614 - MAINTAINING TRAFFIC

ONE 11' LANE OF PAVEMENT IN EACH DIRECTION SHALL BE KEPT OPEN AT ALL TIMES TO MAINTAIN TRAFFIC EXCEPT AS PROVIDED HEREIN. LOCAL ACCESS SHALL BE PROVIDED AT ALL TIMES.

FOR ALL OTHER OPERATIONS WHICH REQUIRE A LANE CLOSURE, TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-97.10, MT-97.11 OR SHEET NO. FOR PAVING OPERATIONS.

THE CONTRACTOR SHALL SCHEDULE FULL DEPTH PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS SO THAT THE NEW PAVEMENT PATCH CAN BE OPENED TO TRAFFIC AT THE END OF THE WORKING DAY.

THE CONTRACTOR SHALL SCHEDULE DRIVEWAY APRON REMOVAL AND REPLACEMENT OPERATIONS SO THAT DRIVEWAY ACCESS IS MAINTAINED TO AT LEAST ONE SIDE OF RT. 535 - EAST STREET AT ALL TIMES. THIS WORK IS ALSO TO BE COORDINATED WITH THE CONTRACTORS CURB & GUTTER REPLACEMENT OPERATIONS. DRIVEWAY CLOSURES REQUIRED FOR CONCRETE CURE TIME SHALL BE KEPT TO AN ABSOLUTE MINIMUM. THIS WORK IS ALSO TO BE COORDINATED WITH THE VILLAGE OF FAIRPORT HARBOR.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER FOR MAINTAINING OF TRAFFIC.

ITEM 404 - BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	100 CU. YDS.
ITEM 410 - TRAFFIC COMPACTED SURFACE TYPE A OR B	100 CU. YDS.
ITEM 616 - CALCIUM CHLORIDE	2 TON
ITEM 616 - WATER	20 M-GAL

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

TEMPORARY TRAFFIC MARKINGS

THE ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL EITHER PERMANENT OR TEMPORARY PAVEMENT MARKINGS ARE IN PLACE. THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER.

ITEM 614 - TEMPORARY CENTERLINES, CLASS II, 642 PAINT	1.00 MILES
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THIS QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY.