

DALO: PCB 12-83
CHK: RDB 12-83

GENERAL NOTES

FIELD OFFICE. THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVE A MINIMUM OF 800 SQ. FT. OF FLOOR SPACE WHICH SHALL BE IN ACCORDANCE WITH 619.01 AND 619.02. PAYMENT SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS. THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS, APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

UNDERGROUND UTILITIES. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

UTILITIES NOTIFICATION. AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS.
See Spec. 105.06

THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE 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 OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

UTILITY OWNERSHIP. THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

- SANITARY SEWER:** LAKE COUNTY SANITARY ENGINEER
105 MAIN STREET
PAINESVILLE, OHIO 44077
TELEPHONE: 216/352-6781
- WATER LINES:** LAKE COUNTY WATER DISTRICT
38270 AQUARIUS PARKWAY
WILLOUGHBY, OHIO 44094
TELEPHONE: 216/942-8222
- OHIO WATER SERVICE CO.
8644 STATION ST. - P.O. BOX 539
MENTOR, OHIO 44060
216/255-3421
- ELECTRIC:** CLEVELAND ELECTRIC ILLUMINATING CO.
2210 SOUTH RIDGE WEST
ASHTABULA, OHIO 44004
TELEPHONE: 216/998-3131
- OHIO BELL TELEPHONE CO.
820 W. SUPERIOR AVENUE - ROOM 703
CLEVELAND, OHIO 44113
TELEPHONE: 216/822-6241
- GAS:** EAST OHIO GAS COMPANY
1717 EAST NINTH STREET
CLEVELAND, OHIO 44114
TELEPHONE: 216/361-2345

CONTINGENCY QUANTITIES. THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

REMOVAL OF TREES OR STUMPS. ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT SHALL BE REMOVED UNDER THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING, EXCEPT THAT THOSE TREES FOR WHICH PROTECTION AND PRESERVATION WORK IS INDICATED ELSEWHERE IN THESE PLANS SHALL NOT BE REMOVED.

THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED:

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	12	8	20
30"	2	1	3
48"			0
60"			0

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR THE REMOVAL OF THESE ADDITIONAL TREES OR STUMPS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

MONUMENTS MONUMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS SHOWN ON STANDARD CONSTRUCTION DRAWING MC-1. FOR LOCATIONS, SEE SHEET NO. 94.

SODDING. QUANTITIES FOR SODDING ARE CALCULATED FOR THE SOIL AREAS WITHIN THE WORK LIMITS AS SHOWN ON THE CROSS SECTIONS.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL. THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

207 TEMPORARY SEEDING AND MULCHING	1738 SQ. YD.
207 STRAW OR HAY BALES	240 EACH
207 TEMPORARY SLOPE DRAINS	40 LIN. FT.
207 TEMPORARY BENCHES, DIKES DAMS AND SEDIMENT BASINS	200 CU. YD.
601 TYPE C ROCK CHANNEL PROTECTION (WITHOUT FILTER)	2 CU. YD.
659 COMMERCIAL FERTILIZER	0.08 TON

CONNECTION TO EXISTING PIPE. 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.

EROSION CONTROL. ITEMS 601 AND 660, ARE PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS, AND TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE 660. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

SANITARY FLOW INTO HIGHWAY DRAINAGE SYSTEMS. PLAN MAKES NO PROVISION 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.

EXISTING PIPE CARRYING FLOW WHICH COMES WITHIN THE CATEGORY OUTLINED ABOVE, SHALL BE PLUGGED WITH CLASS C CONCRETE IN THE RIGHT-OF-WAY LINE. PAYMENT FOR SAID PLUGGING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION.

REVIEW OF 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 THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTIONS 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.

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, CATCH BASIN, THROUGH THE CURB.

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 4" CONDUIT TYPE E, 711.29	-----250 L.F.
ITEM 603 6" CONDUIT TYPE E, 706.01, 706.02 OR 706.08	---250 L.F.
ITEM 603 6" CONDUIT TYPE F	-----250 L.F.

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

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 8" CONDUIT, TYPE B, 706.08 WITH JOINTS	AS PER 706.12-----150 L.F.
ITEM 603 8" CONDUIT, TYPE C, 706.08 WITH JOINTS	AS PER 706.12-----150 L.F.

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

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED. THE CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY (CITY) FORCES.

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

NO. 3 AND 3A CATCH BASINS AND 1-2A INLETS. THE OFFSET SHOWN ON THE PLANS IS TO THE FACE OF CURB. THE ELEVATION SHOWN IN THE PLANS IS LOCATED TWO INCHES BELOW THE NORMAL CURB LINE FOR 1-2A INLETS AND A HALF INCH FOR 3 AND 3-A CATCH BASINS.

DRIVE LOCATIONS. LOCATION OF DRIVES MAY BE ADJUSTED AT THE TIME OF CONSTRUCTION UNDER THE DIRECTION OF THE ENGINEER PROVIDED THERE IS NO ADDITIONAL COST TO THE STATE.

407 TACK COAT. THE TACK COAT AND COVER AGGREGATE OPERATION SHALL BE DETERMINED AS PER SPEC. 407.05. PLAN QUANTITIES INDICATE AVERAGE APPLICATION RATES OF 0.1 GALLONS PER SQUARE YARD OF TACK COAT AND 7 POUNDS PER SQUARE YARD OF COVER AGGREGATE FOR ESTIMATING PURPOSES ONLY.

DUST CONTROL. THE FOLLOWING QUANTITIES ARE ADDED FOR DUST CONTROL TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 616 WATER	-----400 M. GAL.
ITEM 616 CALCIUM CHLORIDE	-----40 TONS

ITEM 604 - STANDARD NO. 1-1 INLETS, MODIFIED AS PER PLAN. ALL PROPOSED STANDARD NO. 1 SIDE DITCH INLETS CALLED FOR IN THIS PLAN SHALL HAVE NEENAH FOUNDRY R-4040 SERIES CASTINGS, EAST JORDAN 6000 SERIES CASTINGS, OR APPROVED EQUAL CASTINGS. PAYMENT FOR THESE ITEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 604, STANDARD NO. 1-1 INLETS, MODIFIED AS PER PLAN.

ITEM 202 PARTIAL REMOVAL ITEMS. SEVERAL REMOVAL ITEMS SUCH AS CURBS, RETAINING WALLS, GUARDRAIL, ETC. ARE TO BE PARTIALLY REMOVED UNDER ITEM 202. THE PORTIONS OF THE ITEM THAT ARE TO REMAIN SHALL BE LEFT IN GOOD CONDITION AND THE POINT OF BREAK SHALL BE NEAT AND CLEAN AND SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE SPECIFIED REMOVAL ITEM 202.

WATERING AND MOWING PERMANENT SEEDED AREAS. THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SODDED AREAS.

ITEM 659 WATER	-----10 M. GAL.
ITEM 659 MOWING	-----20 M. SQ. FT.

EXISTING PAVEMENT REMOVED. THE FOLLOWING ESTIMATED CONTINGENCY QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR REMOVAL OF ANY EXISTING PAVEMENT AREAS FOUND TO BE UNSATISFACTORY AT THE DIRECTION OF THE ENGINEER.

ITEM 202 WEARING COURSE REMOVED	-----500 S.Y.
ITEM 202 BASE REMOVED	-----500 S.Y.

ITEM 202 WEARING COURSE REMOVED SEVERAL AREAS OF WEARING COURSE REMOVED HAVE BEEN SHOWN ON THE PLAN SHEETS. THESE AREAS INVOLVE **REMOVAL** OF THE EXISTING ASPHALT SURFACE TO ALLOW A MINIMUM DEPTH OF 1 1/4" ITEM 404 ASPHALT CONCRETE TO BE PLACED AT THE PROPOSED GRADE.

REPLACEMENT QUANTITIES FOR EXISTING PAVEMENT AND BASE REMOVED

The following estimated contingency quantities have been included in the General Summary for replacement of any contingency removal quantities as provided above. The materials will be used only at the direction of the Engineer.

Item 305 8" Concrete Base	500 S.Y.
Item 402 Asphalt Concrete AC-20	60 C.Y.