

# GENERAL NOTES

CALC: AWD 7/77  
CHK: JLT 8/77

LAKE COUNTY  
LAK-20-5.60

## CONNECTIONS TO EXISTING PIPE, INLETS OR MANHOLES

WHERE THE PLANS PROVIDE FOR THE PROPOSED CONDUIT TO BE CONNECTED TO AN EXISTING INLET, MANHOLE, OR PIPE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE, INLET, OR MANHOLE AS TO BOTH LINE, GRADE, AND ELEVATION 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, 660 AND 667 ARE PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OR TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

## 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 BACKSLOPE OF ROADWAY DITCHES OR 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.

F FUNDS			
ITEM 603	4 IN. CONDUIT	TYPE E, 711.29	50 LIN. FT.
ITEM 603	6 IN. CONDUIT	TYPE E, 706.08	50 LIN. FT.
ITEM 603	6 IN. CONDUIT	TYPE F	50 LIN. FT.

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 WORK NOTED ABOVE:

F FUNDS			
ITEM 603	6 IN. CONDUIT, TYPE C, 706.01, 706.02, 706.08 WITH JOINTS AS PER 706.11 OR 706.12		100 LIN. FT.
ITEM 603	8 IN. CONDUIT, TYPE B, 706.01, 706.02, 706.08 WITH JOINTS AS PER 706.11 OR 706.12		100 LIN. FT.

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

## CONNECTIONS TO EXISTING PIPE OR CROSSING OVER OR UNDER EXISTING WATER MAINS AND SANITARY SEWERS

WHERE THE PLANS PROVIDE FOR THE PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, WATERMAIN OR SERVICE BRANCH, 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.

WHERE AN EXISTING SEWER IS ENCOUNTERED WITHIN SIX (6") INCHES OF THE PROPOSED CONDUIT. A CONCRETE CRADLE AS DETAILED ON SHEET NO. 8, SHALL BE USED. MINIMUM LENGTH SHALL BE 6" PLUS THE DIAMETER OF THE PROPOSED CONDUIT. THE PRICE OF THIS CONCRETE CRADLE AND THE DESCRIBED OPERATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS. IN NO CASE SHALL AN EXISTING SANITARY SEWER BE DISTURBED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

WHERE WATER MAINS OR SERVICE BRANCHES ARE ENCOUNTERED THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR USE UNDER THE DIRECTION OF THE ENGINEER TO LOWER THE WATER MAIN OR SERVICE BRANCH. THESE ITEMS SHALL BE USED ONLY IF THE ENGINEER DETERMINES THAT THE PROPOSED CONDUIT CANNOT BE LOWERED OR RAISED TO AVOID THE CONFLICTION.

IN THE EVENT A WATER MAIN OR SERVICE BRANCH NEEDS TO BE LOWERED, THE CONTRACTOR SHALL CO-ORDINATE HIS WORK WITH THE CITY OF WILLOUGHBY, DIRECTOR OF PUBLIC SERVICE. NO OPERATION OF THE WATER SYSTEM VALVES SHALL BE PERMITTED WITHOUT THE PRESENCE OF A WILLOUGHBY REPRESENTATIVE. THIS CO-ORDINATION IS NECESSARY IN ORDER TO MINIMIZE THE INCONVENIENCE TO AFFECTED CUSTOMERS. THE PRICE OF THIS CO-ORDINATION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 814 ITEMS.

F FUNDS	
ITEM 814	100 L. F. WATER MAIN LOWERED
ITEM 814	100 L. F. SERVICE BRANCHES LOWERED

## NO. 3 AND 3-A CATCH BASIN

THE OFFSET SHOWN ON THE PLANS IS TO THE FACE OF CURB AND GRATE. THE ELEVATION SHOWN ON THE PLANS IS LOCATED TWO INCHES BELOW THE NORMAL CURB LINE.

## ITEM 604 STANDARD NO. 1 MANHOLE, MOD., AS PER PLAN

THIS WORK SHALL CONSIST OF CONSTRUCTING THE MANHOLE AS DESIGNATED ON THE PLANS IN ACCORDANCE WITH STANDARD DRAWING MH-1. THE MANHOLE SHALL BE LOCATED SO THAT THE EXISTING STORM, AND SANITARY SEWER IS TO ONE SIDE OF THE MANHOLE. THE EXISTING SANITARY SEWER WHICH LIES ABOVE THE STORM SEWER SHALL BE COMPLETELY ENCASED WITH CONCRETE TO INSURE AGAINST SEEPAGE. THE UPPER HALF OR SIDE OF THE EXISTING STORM SEWER SHALL BE REMOVED AND THE CONCRETE FLOOR SHALL BE FORMED SO AS TO DIRECT THE INCOMING STORM WATER TO THE EXISTING STORM SEWER.

## ITEM 604 STANDARD NO. 1 MANHOLE, AS PER PLAN (CONTINUED)

THE PAYMENT FOR ALL WORK PERFORMED UNDER THIS ITEM SHALL BE AT THE UNIT PRICE BID THEREFORE, WHICH IS FULL COMPENSATION FOR ALL LABOR AND MATERIAL REQUIRED.

## ADJUSTMENTS, REMOVAL AND RESETTING OF WATER MAINS AND THEIR APPURTENANCES

EXISTING FIRE HYDRANTS DISTURBED BY THE PROPOSED WORK SHALL BE REMOVED AND RESET TWO (2) FEET BEHIND THE PROPOSED CURB AS DIRECTED BY THE ENGINEER. EXISTING WATER METERS AND BOXES, AND SERVICE STOPS AND BOXES SHALL BE REMOVED AND RESET AS DIRECTED BY THE ENGINEER. EXISTING SERVICE BOXES SHALL BE ADJUSTED TO GRADE AS DESIGNATED BY THE ENGINEER. ALL OF THE ABOVE ITEMS SHALL COMPLY WITH THE STATE OF OHIO DEPARTMENT OF HIGHWAYS SUPPLEMENTAL SPECIFICATION 814.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY UNDER F FUNDS FOR THE WORK NOTED ABOVE. NONE OF THE MATERIALS REQUIRED FOR THE ABOVE WORK SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

LOCATION	FIRE HYD. MOVED & RESET	WATER METERS & BOXES REM. & RESET	SERV. BOXES ADJUSTED TO GRADE	SERVICE STOPS & BOXES REM. & RESET
VINE ST. STA. 4+57 LT.			1	
VINE ST. STA. 5+02 LT.			2	
VINE ST. STA. 6+16 LT.			2	
VINE ST. STA. 7+60 LT.			1	
VINE ST. STA. 8+52 LT			1	
VINE ST. STA. 6+25 RT.	1			1
ERIE ST. STA. 97+60 RT.		1		1
ERIE ST. STA. 97+65 RT			2	
ERIE ST. STA. 98+40 RT.				1
ERIE ST. STA. 99+98 RT.	1			
ERIE ST. STA. 98+54 LT		1	1	
ERIE ST. STA. 100+44 LT.			1	
ERIE ST. STA. 100+52 LT.	1			1
ERIE ST. STA. 100+76 LT.				1
ERIE ST. STA. 100+83 LT.				1
ERIE ST. STA. 104+40 LT.			1	
ERIE ST. STA. 104+80 LT.	1			
ERIE ST. STA. 104+16 RT			1	
TOTAL	4	2	13	6