

GENERAL NOTES

GENERAL

RIGHT-OF-WAY

ALL WORK SHALL BE PERFORMED WITHIN THE EXISTING RIGHT-OF-WAY OR EASEMENTS.

UTILITY OWNERSHIP

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CLEVELAND ELECTRIC ILLUMINATING CO. 3601 RIDGE RD. CLEVELAND, OHIO 44102 216-634-7303	LAKE COUNTY DEPT. OF UTILITIES LAKE COUNTY ADMINISTRATION CENTER 105 MAIN STREET PAINESVILLE, OHIO 44077 219-357-2645 (WATERWORKS)
AMERITECH 13630 LORAIN AVE. ROOM 400 CLEVELAND, OHIO 44111 216-476-6142	CITY OF WILLOUGHBY ONE PUBLIC SQUARE WILLOUGHBY, OHIO 44094 216-951-2800 (STORM AND SANITARY SEWERS AND TRAFFIC SIGNALS)
THE EAST OHIO GAS CO. P.O. BOX 5759 1201 EAST 55TH STREET CLEVELAND, OHIO 44103 216-736-6675	LAKETRAN (BUS SERVICE) 200 OLIVE STREET P.O. BOX 450 GRAND RIVER, OHIO 44045 216-364-6100
CONTINENTAL CABLEVISION 7820 DIVISION DR. MENTOR, OHIO 44060 216-798-6000	

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.

MAILBOX REMOVAL AND REPLACEMENT

THE CONTRACTOR SHALL REMOVE & RE-ERECT EXISTING MAILBOXES AS PER 107.12. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 - LINEAR GRADING, AS PER PLAN.

CASTINGS ADJUSTED TO GRADE BY PRIVATE UTILITY COMPANIES

ALL CASTING IN THE PAVEMENT OWNED BY PRIVATE UTILITY COMPANIES SHALL BE ADJUSTED TO GRADE BY THE RESPECTIVE UTILITY COMPANY PRIOR TO RESURFACING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE UTILITY COMPANIES SO AS TO AVOID DELAYS IN CONSTRUCTION.

PROFILE AND ALIGNMENT

THE PROFILE AND ALIGNMENT OF THE PROPOSED ASPHALT CONCRETE COURSE SHALL MEET THAT OF THE EXISTING PAVEMENT AS INDICATED ON THE TYPICAL SECTIONS.

EXISTING TYPICAL SECTIONS

EXISTING PAVEMENT THICKNESSES HAVE BEEN TAKEN FROM RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE DOES NOT GUARANTEE THE ACCURACY OF THE SAME.

ROADWAY

REMOVAL OF TREES OR STUMPS

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED:

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	1	0	1
30"	1	0	1
48"	0	0	0
60"	0	0	0

TRIMMING OF TREE OR SHRUB BRANCHES

BRANCHES ON TREES OR SHRUBS DESIGNATED TO REMAIN SHALL BE TRIMMED IN ACCORDANCE WITH 666.03 TO GIVE A CLEAR HEIGHT OF 15 FEET ABOVE THE BIKE LANE SURFACE AND FOR A MINIMUM WIDTH OF 3 FEET BEYOND THE EDGE OF THE BIKE LANE SURFACE. COST OF TRIMMING TO BE INCLUDED IN THE COST OF ITEM 201, CLEARING AND GRUBBING.

SIDEWALK REMOVED AND REPLACED

THE CONTRACTOR AND THE PROJECT ENGINEER SHALL FIELD CHECK ALL EXISTING SIDEWALK WITHIN THE LIMITS OF THIS PROJECT. ANY SIDEWALK THAT EXHIBITS SUBSTANTIAL DETERIORATION SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER. OTHERWISE ALL WORK SHALL BE IN ACCORDANCE WITH ITEM 202 WALK REMOVED AND ITEM 608 CONCRETE WALK.

THE FOLLOWING ESTIMATED QUANTITIES BASED ON 10% OF THE TOTAL SIDEWALK AREA HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR WORK AS DIRECTED BY THE ENGINEER. THESE ITEMS ARE IN ADDITION TO THOSE SPECIFIED LOCATIONS NOTED ON THE PLAN.

ITEM 202 - WALK REMOVED	3400 S.F.
ITEM 608 - 4" CONCRETE WALK	3400 S.F.

ITEM 203, LINEAR GRADING, AS PER PLAN

THIS WORK SHALL CONSIST OF A SHALLOW GRADING AND/OR FILLING OPERATION PERFORMED FROM THE EDGE OF THE PROPOSED PAVEMENT WIDENING OUTWARD TO RESHAPE THE ROADSIDE AS SHOWN ON THE CROSS SECTIONS TO INSURE A SMOOTH DRAINABLE SURFACE FREE OF ALL IRREGULARITIES.

THE MEASUREMENT SHALL BE IN STATIONS (100 FEET) AND INCLUDES BOTH SIDES OF THE ROADWAY. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

203, LINEAR GRADING, AS PER PLAN 49 STATIONS

BENCHMARKS

THE FOLLOWING BENCHMARKS WERE USED ON THIS PROJECT TO DETERMINE FLOWLINE AND CASTING ELEVATIONS:

BENCHMARK No. 1	- STA. 121+35, 24' LT.	TOP OF HYDRANT ELEV. 617.99
BENCHMARK No. 2	- STA. 122+37.50, C	NORTHEAST CORNER OF MONUMENT BOX ELEV. 615.89
BENCHMARK No. 3	- STA. 123+37.50, C	NORTHEAST CORNER OF MONUMENT BOX ELEV. 616.67
BENCHMARK No. 4	- STA. 127+00, 22' LT.	TOP OF HYDRANT ELEV. 621.68
BENCHMARK No. 5	- STA. 132+15, 23' LT.	TOP OF HYDRANT ELEV. 622.77
BENCHMARK No. 6	- STA. 135+07, 21' LT.	TOP OF HYDRANT ELEV. 623.09
BENCHMARK No. 7	- STA. 140+06, 20' LT.	TOP OF HYDRANT ELEV. 624.85
BENCHMARK No. 8	- STA. 142+18, 22' LT.	TOP OF HYDRANT ELEV. 625.45
BENCHMARK No. 9	- STA. 153+91, 19' LT.	TOP OF HYDRANT ELEV. 628.89
BENCHMARK No. 10	- STA. 157+07, 21' LT.	TOP OF HYDRANT ELEV. 628.78
BENCHMARK No. 11	- STA. 162+14, 22' LT.	TOP OF HYDRANT ELEV. 627.29
BENCHMARK No. 12	- STA. 165+04, 22' LT.	TOP OF HYDRANT ELEV. 626.33
BENCHMARK No. 13	- STA. 167+35, 31' LT.	TOP OF HYDRANT ELEV. 625.41
BENCHMARK No. 14	- STA. 170+33, 23' LT.	TOP OF HYDRANT ELEV. 624.95
BENCHMARK No. 15	- STA. 172+80, 22' LT.	TOP OF HYDRANT ELEV. 624.58
BENCHMARK No. 16	- STA. 177+17, 26' LT.	TOP OF HYDRANT ELEV. 624.98

DRAINAGE

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 ALL EXISTING SEWERS 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 INSPECTION 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 CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

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 AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEM.

ROADWAY CONTINUED

CURB RAMPS

AN ESTIMATED QUANTITY OF WALK REMOVED, EXCAVATION AND CONCRETE WALK HAS BEEN INCLUDED IN THESE PLANS FOR CURB RAMPS NOT SPECIFICALLY SHOWN ON THE PLAN SHEETS. DUE TO CHANGED CONDITIONS OR DETERIORATION OF CONCRETE OR RAMPS, THE PROPOSED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS TO BE AS DIRECTED BY THE ENGINEER TO MAINTAIN ACCESS TO THE SIDEWALK USE OF CURB RAMPS THROUGHOUT THE PROJECT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 202 - WALK REMOVED	360 S.F.
ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION	1 CY
ITEM 608 - 4" CONCRETE WALK	360 S.F.
ITEM 608 - CURB RAMP, TYPE 2	12 EACH