

# GENERAL NOTES

## GENERAL

### 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 153.04 O.R.C.

### UTILITY OWNERSHIP

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

CITY OF MENTOR SERVICE DEPARTMENT 8500 CIVIC CENTER BOULEVARD MENTOR, OHIO 44060 (216)-255-1100	THE EAST OHIO GAS CO. 1201 EAST 55TH STREET CLEVELAND, OHIO 44103 (216)-432-6803
--	---

THE CLEVELAND ELECTRIC ILLUMINATING CO. P.O. BOX 5000 55 PUBLIC SQUARE CLEVELAND, OHIO 44101 (216)-622-9800	OHIO WATER SERVICE CO. 8644 STATION STREET MENTOR, OHIO 44060 (216)-255-3421
---	---

THE OHIO BELL TELEPHONE CO. 1020 BOLIVAR, ROOM 421 CLEVELAND, OHIO 44115 (216)-822-6025	CONTINENTAL CABLE VISION 7511 MENTOR AVENUE MENTOR, OHIO 44060 (216)-953-1582
--	--

LAKE COUNTY UTILITIES DEPARTMENT  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
(216)-257-5506

### CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY 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 AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

### MAILBOX REMOVAL & 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 203-EXCAVATION.

## ROADWAY

### 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 BID PRICE 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"	22	1	23
30"	3	0	3
48"	1	0	1
60"	0	0	0

THE ABOVE ESTIMATE IS APPROXIMATE AND THE STATE OF OHIO RESERVES THE RIGHT TO ORDER THE REMOVAL OF ADDITIONAL TREES OR STUMPS OUTSIDE 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.

### ITEM 616 - WATER

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED FOR DUST CONTROL:

616 WATER 50 M. GAL.

### TRIMMING OF TREE OR SHRUB BRANCHES

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

### ITEM 609 - COMBINATION CURB AND GUTTER, AS PER PLAN

ITEM 609 - CURB TYPE 2 AS PER PLAN SHALL BE AS PER THE DETAILS SHOWN ON SHEET 144. THE PER LIN. FT. PRICE STIPULATED FOR ITEM 609 - CURB TYPE 2, AS PER PLAN SHALL INCLUDE ALL CONCRETE, FORMING, HOOK BOLTS, JOINT SEALER, JOINT MATERIALS, SAW CUTTING AND PAVEMENT REMOVAL AND FURNISHING OF ALL LABOR, TOOLS, MATERIALS AND APPURTENANCES NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.

### ITEM 517 - RAILING, PIPE, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING GALVANIZED HANDRAIL AS SHOWN IN THE DETAILS ON SHEET 144. THE CONSTRUCTION SHALL INCLUDE THE FURNISHING, ASSEMBLING AND ERECTING OF ALL COMPONENT PARTS AND MATERIALS, COMPLETE IN PLACE AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE RAILING SHALL BE 2" NOMINAL DIAMETER GALVANIZED SCH. 40 STEEL PIPE. THE PROVISIONS OF 511.12 ARE MODIFIED TO THE EXTENT THAT CONCRETE SHALL BE PROTECTED DURING THE CURING PERIOD IN A MANNER SUCH THAT IT WILL NOT FREEZE. CONCRETE SHALL BE CLASS C.

THE LOCATIONS OF RAILING RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS SHALL AFFORD MAXIMUM PROTECTION FOR BICYCLE RIDERS.

THE PAYMENT FOR LIN. FT. OF ITEM 517 RAILING, PIPE, AS PER PLAN, SHALL INCLUDE THE TOTAL COST FOR FURNISHING ALL MATERIALS AND THE CONSTRUCTION OF THE RAILING AS DETAILED.

### ITEM 606 - GUARD POST, AS PER PLAN

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF GUARD POSTS AS DETAILED ON SHEET 144. THE CONSTRUCTION SHALL INCLUDE THE FURNISHING, ASSEMBLING AND ERECTING OF ALL COMPONENT PARTS AND MATERIAL, COMPLETE IN PLACE AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

THE STANDARD STEEL PIPES, BOLT AND WASHER SHALL BE GALVANIZED AS DEFINED IN 711.02. PAINTING SHALL BE IN ACCORDANCE WITH ITEM 514. CONCRETE SHALL BE CLASS "C" IN ACCORDANCE TO SECTION 511.03. THE CEMENT MORTAR CAP SHALL BE COMPOSED OF A STIFF MIXTURE OF ONE PART CEMENT AND TWO PARTS OF CLEAN, SHARP SAND. A PADLOCK SHALL BE FURNISHED WITH EACH POST AND SHALL BE EITHER BRASS OR BRONZE PADLOCK EQUAL TO MASTER NO.4 B.K.A. OR WILSON BOHANNAN 660. ALL PADLOCKS SUPPLIED ON THE PROJECT SHALL HAVE THE SAME KEY. TWO MASTER KEYS SHALL BE SUPPLIED BY THE CONTRACTOR TO THE CITY OF MENTOR.

THE PAYMENT FOR EACH, ITEM 606 GUARD POST, AS PER PLAN, SHALL INCLUDE THE TOTAL COST FOR FURNISHING ALL MATERIALS AND THE CONSTRUCTION OF THE GUARD POST AS DETAILED.

## EROSION CONTROL

### SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE EDGE OF PAVEMENT AND WITHIN THE WORK LIMITS FOR AREAS ON CENTER ST. (FAIRFAX DR. TO RELOCATED MUNSON RD.), HOPKINS RD. (MUNSON RD. TO EXISTING TRAIL), HOPKINS RD. (ROSEWOOD DR. TO HENDRICKS RD.) AND HOPKINS RD. (PLAINS RD. TO END WORK).

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE BACK OF CURB AND WITHIN THE WORK LIMITS FOR AREAS ON CENTER ST. (RELOCATED MUNSON RD. TO HENDRICKS RD.) AND HENDRICKS RD. (CENTER ST. TO HOPKINS RD.)

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREA BETWEEN THE EDGE OF THE PROPOSED BIKEWAY AND WITHIN THE WORK LIMITS FOR AREAS ON HOPKINS RD. (HENDRICKS RD. TO PLAINS RD.)

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN THE WORK LIMITS FOR AREAS ON THE TRAIL ROUTE.

### 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 SEEDED AREAS, AS PER 659.09:

659 WATER 47 M. GAL.\*

MOWING OF PERMANENT SEEDED AREAS SHALL BE BY OTHERS.

\* THIS QUANTITY IS CARRIED TO THE GENERAL SUMMARY AND IS CALCULATED ON SHEET 18.