

## CALCULATIONS

ITEM 404 - ASPHALT CONCRETE AC-20

STA. 266+60.9 TO STA. 289+21  
2260.1 x 12.5 ÷ 9 = 3139 S.Y. x 2 ÷ 36 = 174 C.Y.

ITEM 304 - AGGREGATE BASE

3139 S.Y. x 6 ÷ 36 = 523 C.Y.

ITEM 408 - BITUMINOUS PRIME COAT (0.4 GAL/S.Y.)

3139 S.Y. x 0.4 GAL/S.Y. = 1256 GAL.

ITEM SPECIAL - HERBICIDE FOR WEED CONTROL

FROM ITEM 404 - 3139 S.Y.

ITEM 607 - FENCE, TYPE CL

STA. 266+60.9 TO STA. 289+02 (RT) = 2241 L.F.

ITEM 605 - AGGREGATE DRAINS

STA. 267+50 TO STA. 287+50 = 2000 L.F.  
2000 L.F. ÷ 50 x 20 = 800 L.F.

ITEM 650 - COMMERCIAL FERTILIZER

FROM ITEM 650 - SEEDING & MULCHING = 3554 S.Y.

$$Qty = \frac{3554 \text{ S.Y.} \times 9 \frac{\text{S.F.}}{\text{S.Y.}} \times 20 \frac{\text{\#}}{\text{S.F.}}}{1000 \text{ S.F.} \times 2000 \frac{\text{\#}}{\text{T}}} = 0.310 \text{ or } 0.32 \text{ Ton.}$$

ITEM 650 - AGRICULTURAL LIMING

FROM ITEM 650 - SEEDING & MULCHING = 3554 S.Y.

$$Qty = \frac{3554 \text{ S.Y.} \times 9 \frac{\text{S.F.}}{\text{S.Y.}} \times 100 \frac{\text{\#}}{\text{S.F.}}}{1000 \text{ S.F.} \times 2000 \frac{\text{\#}}{\text{T}}} = 1.5993 \text{ or } 1.60 \text{ Ton}$$

## GENERAL NOTES

### BIKEPATH

### 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.

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.

ALL UNDERGROUND UTILITY OWNERS SHALL BE CONTACTED TO DETERMINE THE ACCURACY OF THEIR UTILITY AND ASSOCIATED SERVICE BRANCH LOCATIONS LONGITUDINALLY, TRAVERSELY AND VERTICALLY. WHERE THE INFORMATION IS INCORRECT (OR NOT IN THE PLANS) THE UTILITY OWNER SHALL FURNISH THE DATA TO THE DISTRICT. MINOR REVISIONS WILL BE MADE IN CENTRAL OFFICE AND MAJOR REVISIONS SHALL BE INCORPORATED IN THE PLANS BY THE DISTRICT BEFORE REFILED WITH CENTRAL OFFICE.

IT IS PREFERRED TO HAVE THE UTILITY LOCATE THEIR FACILITY ON THE PLAN SHEET WITH OFFSET DISTANCES FROM THE ODOT CENTERLINE OR SURVEY LINE. OFF-SETS SHOULD BE AT INTERVALS OF APPROXIMATELY 200 FEET, OR AT CHANGES IN COURSE. DEPTHS SHALL BE TO THE TOP OF THE UNDERGROUND FACILITY. ON PLANS WHICH HAVE BEEN FILED, A TABLE LISTING ALL UTILITIES WITH HORIZONTAL AND VERTICAL LOCATIONS EVERY 200 FEET WILL BE PERMISSABLE. HOWEVER, SUCH A TABLE WILL NOT BE ACCEPTABLE FOR PLANS UNDER DEVELOPMENT.

PLANS NOT ON FILE SHALL CONTAIN THE FULL IDENTITY OF THE UTILITY OWNER AND THE UTILITY PROTECTION SERVICE STAMP OR NOTE AS MENTIONED EARLIER. HOWEVER, THE LOCATION OF THE UNDERGROUND UTILITIES SHALL ALL BE DIMENSIONED FROM THE ODOT CENTERLINE OR SURVEYLINE. ONCE SAID LINE IS ESTABLISHED, IN THE FIELD, PLANS SHALL BE FURNISHED TO ALL UTILITY OWNERS FOR THEM TO LOCATE ON THE PLANS THEIR FACILITIES WITHIN THE PROPOSED ODOT CONSTRUCTION PROJECT. AGAIN OFF-SETS SHOULD BE AT INTERVALS OF 200 FEET AND DEPTHS SHALL BE TO THE TOP OF THE UNDERGROUND FACILITY.

### ITEM SPECIAL - HERBICIDES FOR WEED CONTROL

PRIOR TO PLACING THE ITEM 304 - AGGREGATE BASE, AN APPLICATION OF PRINCEP 80W, OR AMISINE, OR AN APPROVED EQUAL SHALL BE APPLIED TO THE SHOULDER BED. THE RATE AND METHOD OF APPLICATION FOR AMISINE OR OF AN APPROVED EQUAL SHALL BE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE BID PER SQUARE YARD, "ITEM SPECIAL - HERBICIDES FOR WEED CONTROL", WHICH PRICE SHALL CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND WATER REQUIRED TO COMPLETE THIS ITEM OF WORK.

### FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 150 SQ. FT. OF FLOOR SPACE. PAYMENT SHALL BE AT THE LUMP SUM PRICE BID FOR ITEM 619, FIELD OFFICE.

### 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"		1	1

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.

### UTILITY OWNERSHIP

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

THE CLEVELAND ELECTRIC  
ILLUMINATING CO.  
55 PUBLIC SQUARE  
CLEVELAND, OHIO  
(216) 623-1350

### TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS

References to Supplemental Specifications 857, 858, 859, 957, 958 and 959 on the Traffic Control Standard Construction Drawings in these plans shall be considered to read as respective references to Items 630, 631, 632, 730, 731 and 732.