

# GENERAL NOTES

CALC: W.D.B. 7/77  
CHK: J.T. 8/77

## FIELD OFFICE

THE CONTRACTOR SHALL PROVIDE A SUITABLE FIELD OFFICE HAVING A MINIMUM OF 400 SQ. FT. OF FLOOR SPACE AND IN ADDITION TO THE REQUIREMENTS OF ITEM 619, HE SHALL PROVIDE AND MAINTAIN SANITARY PROVISIONS AS PER 107.96. ALL THE ABOVE IS 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 HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THOSE UTILITIES THAT ARE INVOLVED WITH THIS PROJECT ARE AS FOLLOWS:

OHIO BELL TELEPHONE COMPANY  
ROOM 703  
820 WEST SUPERIOR AVENUE  
CLEVELAND, OHIO 44113

CITY OF WILLOUGHBY  
CITY HALL  
WILLOUGHBY, OHIO 44094

CLEVELAND ELECTRIC ILLUMINATING CO.  
P.O. BOX 5000  
CLEVELAND, OHIO 44101

EAST OHIO GAS COMPANY  
1717 EAST NINTH STREET  
CLEVELAND, OHIO 44114

AMERICAN TELEPHONE & TELEGRAPH  
ROOM 703  
820 WEST SUPERIOR AVENUE  
CLEVELAND, OHIO 44113

## ESTIMATED QUANTITIES

SPECIFIC LOCATIONS AND USAGE OF ESTIMATED QUANTITIES SET UP ON THIS PLAN TO BE USED "AS DIRECTED BY THE ENGINEER" SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT. ESTIMATED QUANTITIES OF MATERIALS SHALL NOT BE ORDERED FOR DELIVERY TO THE PROJECT UNLESS AUTHORIZED BY THE ENGINEER.

## GRANULAR EMBANKMENT AREAS

IN THE AREA BETWEEN STATIONS 13+00 AND 19+00 GRANULAR EMBANKMENT AS INDICATED ON THE PLANS SHALL BE PROVIDED. THIS MATERIAL SHALL BE AS DEFINED IN 203.02 AND PAID FOR UNDER ITEM 203 GRANULAR EMBANKMENT, INCL. EXCAVATION EMBANKMENT CONSTRUCTION ABOVE THE GRANULAR MATERIAL SHALL BE IN ACCORDANCE WITH 203.07 TO 203.12 INCLUSIVE.

## PAVEMENT JOINTS IN CONCRETE BASE

*In lieu of the requirements for transverse joints at 17' spacing of Standard Drawing BP-4 on this project, the maximum spacing between transverse joints may be increased to 20'. Contraction joints shall be skewed with the right edge of the joint 4' ahead of the left edge in the direction of travel for a 24' wide pavement. The first 25 joints away from the pressure relief joints shall not be skewed and shall be doweled as per BP-4. Contraction joints shall be protected by the use of roving jute or joint sealer if construction traffic is to be permitted on the base prior to the placement of bituminous surface courses.*

## UNSUITABLE MATERIAL REMOVED AND DISPOSED OF

UNSUITABLE MATERIAL HAS BEEN ENCOUNTERED ON THIS PROJECT BETWEEN STATIONS 13+00 AND 19+00. ALSO FROST SUSCEPTIBLE SILT HAS BEEN ENCOUNTERED BETWEEN STATIONS 25+00 AND 30+00. THESE MATERIALS SHALL BE REMOVED AND DISPOSED OF, OFF THE PROJECT LIMITS.

THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL FROM THIS CONTRACT BELOW ELEVATION 612. PAYMENT FOR THIS ITEM SHALL BE PAID FOR UNDER ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION.

## REMOVAL OF WET AND LOOSE SOIL

WET AND LOOSE SOILS WERE ENCOUNTERED BETWEEN STATION 21+20 AND 23+50. THIS UNSUITABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH SECTION 203.05 AND BACKFILLED WITH EMBANKMENT AS DEFINED IN 203. THIS MATERIAL SHALL BE PLACED BY THE METHOD OF END DUMPING IF WATER IS PRESENT AT THE TIME OF CONSTRUCTION. END DUMPING METHODS SHALL BE USED UP TO ELEVATIONS TWO (2) FEET ABOVE THE WATER ELEVATION. ABOVE THIS ELEVATION, EMBANKMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH 203.07 TO 203.12 INCLUSIVE.

THE AREA AND DESCRIPTION OF WORK INVOLVED IS DESCRIBED AS FOLLOWS:

THE AREA WITHIN 21+38, 44' LEFT: 22+07, 90' LEFT: 22+23, 80' RIGHT AND 22+90, 34' RIGHT AND TO BEDROCK SURFACE SHALL BE REMOVED AND DISPOSED OF. THE SIDES OF THE EXCAVATION SHALL BE 1:1 TO DAYLIGHT. TWENTYFIVE TO THIRTY FOOT ROCK BENCHES SHALL BE PROVIDED ON FIRM ROCK ENCOUNTERED AS APPROVED BY THE ENGINEER.

26,000 CUBIC YARDS OF EXCAVATION, 3900 CUBIC YARDS OF EMB, USING GRANULAR MATERIAL, AND 22100 C.Y. OF 203 EMBANKMENT HAVE BEEN ESTIMATED TO DO THE WORK DESCRIBED AND SHALL BE INCLUDED IN THE GENERAL SUMMARY.

## BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS SECTIONS ON THIS PLAN INDICATE SPECIFIC WIDTHS AND DEPTHS OF PROPOSED BENCHING OF THE EMBANKMENT FOUNDATION IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED AND ALL OTHER SLOPED FOUNDATION AREAS SHALL BE BENCHED AS SET FORTH IN 203.09. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED BY THE PROVISIONS OF 203.09.

## REMOVAL OF TREES AND 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	F FUNDS NO. TREES	BRF FUNDS NO. TREES	F FUNDS NO. STUMPS	BRF FUNDS NO. STUMPS
18"	2	28	0	0
30"	2	12	0	0
48"	0	4	0	0
60"	0	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 OF THE LIMITS OF CONSTRUCTION BUT WITHIN THE RIGHT-OF-WAY AND/OR EASEMENT LINES. PAYMENT FOR 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 DRAWING MC-1. FOR LOCATIONS, SEE SHEET NO. 76

## LOCATIONS OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT TO ASSURE THAT THE PLANNED INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

## SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN RIGHT-OF-WAY FENCE LINES, BETWEEN THE RIGHT-OF-WAY LINES IN UNFENCED AREAS, AND WITHIN THE WORK LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT.

## AGRICULTURAL LIMING

THE LOCATION AND NEED FOR AGRICULTURAL LIMING WILL BE DETERMINED BY LABORATORY TESTS, AFTER ROUGH GRADING OPERATIONS HAVE BEEN PERFORMED. QUANTITIES OF AGRICULTURAL LIMING, AS SHOWN BELOW, ARE SUFFICIENT FOR THE ENTIRE PROJECT, BUT WILL BE NONPERFORMED FOR THE AREAS WHERE TESTS SHOW THAT THE LIMING IS NOT REQUIRED.

ITEM 659	LIMING	F FUNDS 2.0 TONS	BRF FUNDS 8.2 TONS
----------	--------	---------------------	-----------------------

## ITEM 659 FERTILIZER (12-12-12)

QUANTITIES FOR ITEM 659 FERTILIZER HAS BEEN PROVIDED IN THE GENERAL SUMMARY AS SHOWN BELOW:

ITEM 659	FERTILIZER	F FUNDS 0.4 TONS	BRF FUNDS 1.6 TONS
----------	------------	---------------------	-----------------------

## WATER POLLUTION, SOIL EROSION AND SILTATION CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER FOR EROSION AND SILTATION CONTROL MEASURES:

	BRF	F	
207 TEMPORARY SEEDING AND MULCHING	2588	242	SQ. YD.
659 WATER	6	1	M. GAL.
207 TEMPORARY SLOPE DRAINS	144	4	LIN. FT.
207 TEMPORARY BENCHES, DITCHES, DAMS AND SEDIMENT BASINS	124	3	CU. YD.
659 MOWING	30	3	M. SQ. FT.
659 COMMERCIAL FERTILIZER (12-12-12)	.6	.1	TON
659 REPAIR SEEDING AND MULCHING	647	60	SQ. YD.
207 STRAW OR HAY BALES	20	10	EACH

## 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.