

GENERAL NOTES

PLAN NO. BR-98-84

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 153.64 ORC.
 AT LEAST 48 HOURS BEFORE DIGGING, THE CONTRACTOR SHALL CALL THE OHIO UTILITIES PROTECTION SERVICE, TOLL FREE 800-362-2764 NONMEMBER UTILITY COMPANIES MUST BE CALLED DIRECTLY.

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 LOCATIONS 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.

UTILITY OWNERSHIP
 THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT.

ELECTRIC	CLEVELAND ELECTRIC ILLUMINATING CO. P.O. BOX 668 ASHTABULA, OHIO 44004 TELEPHONE: 216-998-3131
TELEPHONE	WESTERN RESERVE TELEPHONE COMPANY 4616 PARK AVENUE ASHTABULA, OHIO 44004 TELEPHONE: 216-998-5151
GAS	EAST OHIO GAS COMPANY 1010 WEST 30TH STREET ASHTABULA, OHIO 44004 TELEPHONE: 216-998-5100
CABLE TELEVISION	TELE-MEDIA CONSTRUCTORS COMPANY P.O. BOX 2996 ASHTABULA, OHIO 44004 TELEPHONE: 216-964-6363

WATER MADISON VILLAGE
 126 W. MAIN ST., P.O. BOX 7
 MADISON, OHIO 44057
 TELEPHONE: 216-428-7526

SANITARY SEWER MADISON VILLAGE
 126 W. MAIN ST., P.O. BOX 7
 MADISON, OHIO 44057
 TELEPHONE: 216-428-7526

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 ITEMS 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 AS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
24"	1	---	1
18"	1	---	1
30"	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.

DUST CONTROL
 AN ESTIMATED AMOUNT OF 616 (CALCIUM CHLORIDE) AND 616 (WATER) HAS BEEN PROVIDED FOR DUST CONTROL, AS DIRECTED BY THE ENGINEER, AS SHOWN BELOW.

616	WATER	30 M. GAL.
616	CALCIUM CHLORIDE	1 TON

SEEDING
 QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN TEN (10) FEET OUTSIDE THE WORK LIMITS AS SHOWN ON THE CROSS SECTIONS, OR TO THE RIGHT-OF-WAY LINE IF SUCH LINE IS LESS THAN TEN (10) FEET FROM THE WORK LIMITS.

407 TACK COAT
 THE TACK COAT AND COVER AGGREGATE OPERATION SHALL BE DETERMINED AS PER SPEC. 407.05. PLAN QUANTITIES INDICATE AVERAGE APPLICATION RATES OF 0.1 GALLONS PER SQUARE YARD OF TACK COAT AND 7 POUNDS PER SQUARE YARD OF COVER AGGREGATE FOR ESTIMATING PURPOSES ONLY.

ELEVATION DATUM
 ALL ELEVATIONS ARE BASED ON U.S.C. & G.S. DATUM.

HORIZONTAL DATUM
 HORIZONTAL CONTROLS ARE BASED ON RECORDS OBTAINED FROM THE LAKE COUNTY ENGINEER'S OFFICE.

CONTINGENCY QUANTITIES
 THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER.

LOCATION AND SIZE OF PIPE
 THE LOCATION, TYPE, DEPTH AND SIZE OF ALL EXISTING PIPES ARE SHOWN AS NEARLY EXACT AS THE AVAILABLE INFORMATION WILL PERMIT. THE STATE WILL NOT BE RESPONSIBLE FOR ANY VARIATIONS FOUND DURING CONSTRUCTION.

SPRING DRAINS
 REFERENCE IS MADE TO THE DETAILED DRAWING ON STANDARD CONSTRUCTION DRAWING MC-1 SHOWING THE METHOD OF DRAINING ANY SPRING THAT MAY BE SHOWN ON THE PLAN OR ENCOUNTERED DURING CONSTRUCTION AS DETERMINED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS PURPOSE.

- ITEM 605 - 50 L.F. 6" UNCLASSIFIED PIPE UNDERDRAIN, 707.01 TYPE III OR 707.21 TYPE III
- ITEM 605 - 50 L.F. AGGREGATE DRAINS

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

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

SANITARY FLOW INTO HIGHWAY DRAINAGE SYSTEMS
 PLAN MAKES NO PROVISION FOR CONNECTING, NOR SHALL THE ENGINEER OR CONTRACTOR CONNECT ANY EXISTING OR NEW DRAINAGE INTO THE HIGHWAY DRAINAGE SYSTEM WHEN SUCH DRAINS CARRY FLOW FROM ANY PLUMBING FIXTURES, INCLUDING FLOOR DRAINS AND SINK DRAINS, OR DRAINS FROM LIVESTOCK LOTS OR BARN.

EXISTING PIPE CARRYING FLOW WHICH COMES WITHIN THE CATEGORY OUTLINED ABOVE SHALL BE PLUGGED WITH CLASS C CONCRETE IN THE RIGHT-OF-WAY LINE. PAYMENT FOR SAID PLUGGING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EXCAVATION.

REMOVAL OF EXISTING CULVERT
 ITEM 202 (REF. 1-R) STRUCTURES REMOVED IN THE ROADWAY PLANS REFERS TO COMPLETE REMOVAL OF THE CULVERT AS SHOWN ON THE CROSS SECTIONS. THE STRUCTURE IS ESTIMATED TO CONSIST OF APPROXIMATELY 50 CY OF SAND STONE BLOCKS AND 20 CY OF REINFORCED CONCRETE.

PAVEMENT REMOVAL
 QUANTITIES ARE PROVIDED FOR REMOVAL OF EXISTING PAVEMENT WITHIN THE LIMITS INDICATED ON SHEET NO. 8 AND ARE AS ACCURATE AS POSSIBLE: HOWEVER, PAYMENT SHALL BE MADE AT THE PRICE BID FOR ITEM 202-PAVEMENT REMOVED FOR THE ACTUAL SQUARE YARDS REMOVED.

ITEM 601 ROCK CHANNEL PROTECTION WITH FILTERS
 WHERE THIS ITEM IS CALLED FOR ON THE PLANS, THE QUANTITIES SHOWN ARE BASED ON THE DIMENSIONS OF THE ROCK ONLY AND DO NOT INCLUDE THE VOLUME OF A 6" STONE FILTER BED. THE COST OF THE FILTER (EITHER FABRIC OR STONE) SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 601 ROCK CHANNEL PROTECTION WITH FILTER.
 WHERE FABRIC FILTER OPTION IS USED THE FABRIC SHALL MEET THE REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 939 TYPE B.

THE SURFACE TO RECEIVE THE FABRIC SHALL BE PREPARED TO A RELATIVELY SMOOTH SURFACE FREE OF OBSTRUCTION AND DEBRIS. THE FABRIC SHALL BE PLACED WITH THE LONG DIMENSION PARALLEL TO THE DIRECTION OF FLOW AND SHALL BE LAID LOOSELY BUT WITHOUT WRINKLES AND CREASES. WHERE JOINTS ARE NECESSARY, STRIPS SHALL BE PLACED TO PROVIDE A 12" MINIMUM OVERLAP WITH THE UPSTREAM STRIP OVERLAPPING THE DOWNSTREAM STRIP. SECURING PINS WITH WASHERS SHALL BE PLACED AT 2' MINIMUM INTERVALS ALONG JOINTS AND AT (2', 3', OR 5')** INTERVALS ELSEWHERE TO PREVENT SLIPPAGE OF THE FABRIC. THE SECURING PINS SHALL BE 3/16" DIAMETER OF STEEL POINTED AT ONE END AND FABRICATED WITH A HEAD TO RETAIN A STEEL WASHER HAVING AN OUTSIDE DIAMETER NOT LESS THAN 1 1/2". PIN LENGTHS SHALL BE GREATER THAN OR EQUAL TO 18".

** 2' FOR FLOW DIRECTION SLOPES STEEPER THAN 3:1, 3' FOR SLOPES 3:1 TO 4:1, AND 5' FOR SLOPES LESS STEEP THAN 4:1.

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	S.R. 84 CULVERT REPLACEMENT		
GENERAL NOTES			
MADISON VILLAGE, OHIO			
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