

GENERAL NOTES

CALCULATED
K.L.P.
8/75
CHECKED
C.A.M.
8/75

GENERAL

ELEVATION DATUM

ALL ELEVATIONS REFER TO U.S.G.S. DATUM.

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.

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 THE PLANS.

UNDERGROUND UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.04 O.R.C.

UTILITIES

THE FOLLOWING IS A LIST OF UTILITIES WITHIN OR ADJACENT TO THE CONSTRUCTION LIMITS OF THIS PROJECT:

THE CLEVELAND ELECTRIC ILLUMINATING CO.
55 PUBLIC SQUARE
P.O. BOX 5000
CLEVELAND, OHIO 44101
PH. 216-479-3452

CITY OF WILLOUGHBY
ONE PUBLIC SQUARE
WILLOUGHBY, OHIO 44094
PH. 216-951-2800

AMERITECH
13630 LORAIN AVE., RM 400
CLEVELAND, OHIO 44111
PH. 216-476-6135

LAKE COUNTY DEPARTMENT OF UTILITIES
ADMINISTRATION BUILDING
105 MAIN STREET
PAINESVILLE, OHIO 44077
PH 216-664-3247

THE EAST OHIO GAS CO.
1201 EAST 55TH STREET
CLEVELAND, OHIO 44113
PH. 216-736-6675

CONTINENTAL CABLEVISION
7820 DIVISION DR.
MENTOR, OHIO 44060
PH. 216-974-3201

REMOVAL OF TREES OR STUMPS

ALL TREES OR 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"	10	0	10

LOCATION OF GUARDRAIL

THE LOCATION OF GUARDRAIL RUN, AS SHOWN IN THESE PLANS, IS SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED OR PUNCHED. THE CONNECTION SHALL BE MADE BY USING A "W-BEAM RAIL SPLICE" AS SHOWN ON STANDARD CONSTRUCTION DRAWING GR-1.1. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

DUST CONTROL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED IN THE GENERAL SUMMARY FOR APPLICATION FOR THE PREVENTION OR ALLEVIATION OF DUST AS DIRECTED BY THE ENGINEER.

ITEM 616	WATER	500 M. GAL.
ITEM 616	CALCIUM CHLORIDE	50 TON

EROSION CONTROL

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR ITEM 659, SEEDING AND MULCHING, ARE BASED ON THESE LIMITS.

WATERING 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:

ITEM 659	WATER	1 M. GAL.
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TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

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

ITEM 207	STRAW OR HAY BALES	50 EACH
ITEM 207	TEMPORARY SEEDING AND MULCHING	342 SQ.YDS.
ITEM 207	FILTER FABRIC FENCE	800 LIN.FT.
ITEM 659	REPAIR SEEDING AND MULCHING	86 CU.YD.S.
ITEM 659	WATER	1 M.GAL.
ITEM 659	COMMERCIAL FERTILIZER	0.01 TON

THESE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

DEVIATION FROM PLAN

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS INVOLVED WHEN MAKING CORRECTIONS TO HIS UNAUTHORIZED DEVIATIONS FROM THE PLANS. THE DIRECTOR SHALL DECIDE WHEN CORRECTIONS ARE NECESSARY.

ITEM 504--STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN

A. DESCRIPTION

THIS WORK SHALL CONSIST OF FURNISHING AND DRIVING THE STEEL SHEET PILE BULKHEAD, FURNISHING AND INSTALLING THE CAP ASSEMBLIES.

B. MATERIALS

THE STEEL SHEET PILING AND MISCELLANEOUS PLATES AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A572, GRADE 50. THE ANGLES AND PLATES FOR THE BULKHEAD CAP ASSEMBLY SHALL CONFORM TO ASTM A36. ALL HIGH STRENGTH BOLTS AND NUTS SHALL BE ASTM A325. WELDED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE D1.1-79, AND ANY APPLICABLE REVISIONS OF ODOT SUPPLEMENTAL 1027. ALL STEEL UTILIZED IN THIS PROJECT SHALL BE MANUFACTURED IN THE UNITED STATES. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL ITEMS SHALL ALSO MEET THE REQUIREMENTS OF ITEM 513.

C. PILING PROPERTIES

THE SHEET PILING SHALL HAVE A MINIMUM SECTION MODULUS OF 22 CUBIC INCHES PER FOOT OF WALL.

D. CORROSION PROTECTION

THE STEEL SHEET PILES, WALER AND ALL THE HARDWARE NECESSARY FOR ITS ASSEMBLY SHALL BE COATED WITH COAL TAR EPOXY OR FUSION BONDED EPOXY AS SPECIFIED IN THE SPECIAL PROVISIONS THE COST OF THIS COATING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 504--STEEL SHEET PILING LEFT IN PLACE, AS PER PLAN.

E. UTILITY PROTECTION

THE CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PREVENT DAMAGE TO ELECTRIC, TELEPHONE, CABLE TV, GAS AND WATER LINES ON STATE ROUTE 84 (A.K.A. RIDGE ROAD) DURING CONSTRUCTION OF THE SHEET PILING AND TIE BACK ANCHORS. THE COST OF PROTECTION SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 504--SHEET PILING LEFT IN PLACE, AS PER PLAN.

F. MEASUREMENT AND PAYMENT

(ITEM 504--SHEET PILING LEFT IN PLACE, AS PER PLAN)

THE QUANTITY SHALL BE MEASURED BY SQUARE FEET OF SHEET PILING COMPLETED AND IN PLACE AS REQUIRED BY THE PLANS. PAYMENT WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 504--SHEET PILING LEFT IN PLACE, AS PER PLAN. THIS PRICE SHALL BE PAYMENT IN FULL FOR FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS TO COMPLETE THE WORK AS SPECIFIED INCLUDING THE CORROSION PROTECTION, WALER ASSEMBLY AND CAP ASSEMBLY.

ITEM 202--PORTIONS OF STRUCTURE REMOVED

APPROXIMATELY 6.5 FEET HIGH BY 260.0 FEET LONG OF EXISTING RETAINING BIN WALL TO BE REMOVED TO 1 FOOT BELOW FINISHED GRADE EXCEPT AT THE FRONT FACE WHICH SHALL BE CUT FLUSH TO FINISHED GRADE.

PAYMENT SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 202--PORTIONS OF STRUCTURE REMOVED.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE HIS OPERATIONS WITH THE CONTRACTORS ON OTHER PROJECTS THAT MAY BE IN FORCE DURING THE LIFE OF THIS CONTRACT. NO WAIVER OF ANY PROVISIONS OF 105.07 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS IS INTENDED.

ITEM 407--TACK COAT

THE RATE OF APPLICATION OF THE TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.075 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

GENERAL NOTES

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6
44