

GENERAL NOTES

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.

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.

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
CLEVELAND, OHIO 44101
PH. 216-623-1350

THE OHIO BELL TELEPHONE CO.
820 SUPERIOR AVE. N.W.
CLEVELAND, OHIO 44113
PH. 216-822-6241

THE EAST OHIO GAS CO.
1201 EAST 55TH STREET
CLEVELAND, OHIO 44113
PH. 216-361-2753

LAKE COUNTY UTILITIES
38270 AQUARIUS PARKWAY
WILLOUGHBY, OHIO 44094
PH 216-951-4417

CONTINENTAL CABLE
77 NORTH ST. CLAIR STREET
PAINESVILLE, OHIO 44077
PH. 216-354-0454
ATTN: JIM BATTAGLIA

ITEM 304 - AGGREGATE BASE, AS PER PLAN

MATERIALS FURNISHED FOR THIS ITEM SHALL EXCLUDE ALL SLAG EXCEPT GRANULATED SLAG OR CRUSHED AIR-COOLED BLAST FURNACE SLAG.

SUBBASE / SUBGRADE FAILURES

IF, AFTER FULL DEPTH REMOVAL OF THE EXISTING PAVEMENT THE ENGINEER DETERMINES THAT THE SUBBASE OR SUBGRADE HAS FAILED OR IS PUMPING, HE SHALL DIRECT THE CONTRACTOR TO EXCAVATE THE UNSUITABLE MATERIAL AND REPLACE IT WITH ITEM 304 - SUBBASE AS NECESSARY.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

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| ITEM 203 - EXCAVATION, NOT INCLUDING EMBANKMENT CONSTRUCTION | 20 CU.YDS. |
| ITEM 304 - AGGREGATE BASE, AS PER PLAN | 20 CU.YDS. |

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.

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| ITEM 616 | WATER | 5 M. GAL. |
| ITEM 616 | CALCIUM CHLORIDE | 1 TON |

EROSION CONTROL

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR SOIL AREAS BETWEEN THE WORK LIMITS AS SHOWN ON THE CROSS-SECTIONS AND THE PLAN SHEET.

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:

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| 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:

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| ITEM 207 | STRAW OR HAY BALES | 50 EACH |
| ITEM 207 | TEMPORARY SEEDING AND MULCHING | 150 SQ.YDS. |
| ITEM 207 | FILTER FABRIC FENCE | 250 LIN.FT. |
| ITEM 659 | WATER | 0.5 M. GAL. |
| ITEM 659 | COMMERCIAL FERTILIZER | 0.10 TON |

THESE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM 660 - SODDING, AS PER PLAN

PAYMENT FOR SODDING SHALL INCLUDE THE FURNISHING AND PLACING OF A 2 INCH MINIMUM BED OF TOPSOIL AS PER 653.02 EXCEPT FOR THE IGNITION TEST.

QUANTITIES FOR SODDING ARE CALCULATED FOR THE SWALE AREAS AS SHOWN ON THE CROSS SECTIONS.

ITEM 207 - FILTER FABRIC FENCE

MATERIALS

FILTER FABRIC SHALL MEET THE REQUIREMENT OF ITEM 207.02.

CONSTRUCTION

THE BOTTOM OF THE FENCE SHALL BE BURIED 6" BELOW THE GROUND. THE FENCE SHALL BE HIGH ENOUGH TO RETAIN SEDIMENT LADEN WATER AND ADEQUATELY SUPPORTED TO PREVENT COLLAPSE OR BURSTING. THE GROUND ELEVATION OF THE FENCE SHALL BE HELD CONSTANT EXCEPT THAT THE END ELEVATIONS SHALL BE RAISED TO PREVENT FLOW AROUND THE END OF THE FENCE.

MAINTENANCE

THE FILTER FABRIC FENCE SHALL, AT THE DIRECTION OF THE ENGINEER, BE MAINTAINED TO BE FUNCTIONAL. THIS SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT AND REQUIRED CLEANING, REPAIR, AND/OR REPLACEMENT OF THE FILTER FABRIC.

PAYMENT

THE COST OF ALL MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL REQUIRED SHALL BE PAID FOR UNDER ITEM 207 LIN. FT. FILTER FABRIC FENCE.

TRAFFIC CONTROL

PAVEMENT MARKINGS

THIS WORK SHALL CONSIST OF FURNISHING AND APPLYING PAVEMENT MARKINGS IN ACCORDANCE WITH ITEM 642 OF THE O.D.O.T. SPECIFICATIONS. THE DOUBLE SOLID YELLOW CENTERLINE AND SOLID WHITE EDGE LINES SHALL BE APPLIED FROM STA. 152+35 TO 155+65 AND MEET THE EXISTING PAVEMENT MARKINGS AT THESE WORK LIMITS.

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| ITEM 642 | EDGE LINE, TYPE 2 | 0.13 MILES |
| ITEM 642 | CENTER LINE, TYPE 2 | 0.06 MILES |

THESE QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY.

TEMPORARY TRAFFIC MARKINGS

THE ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL EITHER THE PERMANENT OR TEMPORARY MARKINGS ARE IN PLACE. THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AS DIRECTED BY THE ENGINEER:

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| ITEM 614 | TEMPORARY CENTER LINE, CLASS II | 0.06 MILES |
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THIS QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY.

MAINTENANCE OF TRAFFIC

THE WORK CALLED FOR UNDER THIS CONTRACT INVOLVES THE CLOSING OF THE ROAD AS SHOWN ON SHEET NO. 7. THE CONTRACTOR SHALL PROSECUTE TO THE FULLEST EXTENT THE WORK INVOLVED SO AS TO REDUCE TO A MINIMUM THE LENGTH OF TIME THE ROADWAY WILL BE CLOSED TO TRAFFIC. NO ROAD WILL BE CLOSED UNTIL NECESSARY FOR CONSTRUCTION AS DETERMINED BY THE ENGINEER. LOCAL ACCESS TO ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL DETOUR SIGNS AND SUPPORTS SHALL BE FURNISHED, INSTALLED, MAINTAINED AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL MAINTENANCE OF TRAFFIC ITEMS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

THE CITY OF WILLOUGHBY HILLS OFFICIALS SHALL BE NOTIFIED OF THE ROAD CLOSING AT LEAST 18 CALENDAR DAYS PRIOR TO ACTUAL CLOSING.

CITY OF WILLOUGHBY HILLS FIRE DEPARTMENT - 942-7207
CITY HALL AND POLICE DEPARTMENT - 946-1234

NOTICE OF CLOSURE SIGNS

THESE SIGNS SHALL BE ERECTED BY THE CONTRACTOR AT LEAST ONE WEEK IN ADVANCE OF THE SCHEDULED ROAD OR RAMP CLOSURE. THE SIGNS SHALL BE ERECTED ON THE RIGHT HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE LOCATED IN THE FIELD SO AS NOT TO INTERFERE WITH ANY PERMANENT SIGNS. ON ROADWAYS THEY SHOULD BE ERECTED AT THE POINT OF CLOSURE. ON RAMPS THE SIGNS MAY BE ERECTED ANYWHERE ALONG IT; AS LONG AS IT IS VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING THE MOTORISTS.

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC AND SHALL INCLUDE FURNISHING, ERECTING, MAINTAINING AND REMOVING THE SIGNS INCLUDING SUPPORTS.

