

**GENERAL**

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THE PROJECT. THE OHIO DEPARTMENT OF TRANSPORTATION HAS USED THE BEST AVAILABLE INFORMATION TO DETERMINE THE UTILITY COMPANIES SERVICING THIS AREA, BUT CAN NOT GUARANTEE THE UTILITY COMPANY LIST IS COMPLETE.

WESTERN RESERVE TELEPHONE  
245 NORTH MAIN STREET  
HUDSON, OHIO 44236  
ATTN: BERNIE RINEHART  
PHONE: (216)656-8483

AMERICAN TELEPHONE & TELEGRAPH  
3972-D BROWN PARK DRIVE  
HILLIARD, OHIO 43026-1167  
ATTN: TONY LYLE  
PHONE: (614)476-6142

ADELPHIA CABLE  
7757 AUBURN ROAD ST. #8  
PAINESVILLE, OHIO 44077  
ATTN: BOB WILLIAMS  
PHONE: (440)354-8000

CLEVELAND ELECTRIC ILLUMINATING CO.  
6896 MILLER ROAD  
BRECKSVILLE, OHIO 44141  
ATTN: FRANK DIBBS  
PHONE: (440)546-8748

AMERITECH  
13630 LORAIN AVENUE, 4TH FLOOR  
CLEVELAND, OHIO 44111  
ATTN: DICK LICHT  
PHONE: (216)476-6142

LAKE COUNTY DEPARTMENT OF UTILITIES  
ADMINISTRATION BUILDING  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
ATTN: ALBERT SAARI  
PHONE: (440)664-3247

DOMINION EAST OHIO  
1201 EAST 55th STREET  
CLEVELAND, OHIO 44103  
ATTN: SAM MERCURIO  
PHONE: (216)736-6675

LAKE COUNTY ENGINEER  
550 BLACKBROOK ROAD  
PAINESVILLE, OHIO 44077  
ATTN: JOHN ZEVNIK  
PHONE: (440)350-2770

CITY OF PAINESVILLE UTILITIES  
ELECTRIC DEPARTMENT  
PAINESVILLE, OHIO 44077  
P.O. BOX 601  
ATTN: THOMAS GREEN  
PHONE: (440)352-9301

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

**ELEVATION DATUM**

ALL ELEVATIONS ARE BASED ON (NAVD 1988) NATIONAL GEODETIC VERTICAL DATUM 1988

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**CONVERSION OF STANDARD CONSTRUCTION DRAWINGS**

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.11 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E 380 SHALL BE UTILIZED FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

**USE OF PRIVATE PROPERTY**

THE CONTRACTOR CAN USE PRIVATE PROPERTY FOR THE STORAGE OF EQUIPMENT AND MATERIALS ONLY WITH A WRITTEN AGREEMENT WITH THE PROPERTY OWNER. THE CONTRACTOR SHALL PROVIDE THIS AGREEMENT TO THE ENGINEER PRIOR TO ANY USE OF PRIVATE PROPERTY.

**CONTRACTORS RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES**

AT POINTS WHERE THE CONTRACTOR'S OPERATIONS ARE ADJACENT TO PROPERTIES OF TELEGRAPH, TELEPHONE AND POWER COMPANIES, OR ARE ADJACENT TO OTHER PROPERTY, DAMAGE TO WHICH MIGHT RESULT IN CONSIDERABLE EXPENSE, LOSS, OR INCONVENIENCE, WORK SHALL NOT BE COMMENCED UNTIL ALL ARRANGEMENTS NECESSARY FOR THE PROTECTION THEREOF HAVE BEEN MADE.

THE CONTRACTOR SHALL COOPERATE WITH THE OWNERS OF ANY UNDERGROUND OR OVERHEAD UTILITY LINES IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS MAY PROGRESS IN A REASONABLE MANNER, THAT DUPLICATION OF REARRANGEMENT WORK MAY BE REDUCED TO A MINIMUM, AND THAT SERVICES RENDERED BY THOSE PARTIES WILL NOT BE UNNECESSARILY INTERRUPTED.

IN THE EVENT OF INTERRUPTION TO UNDERGROUND OR OVERHEAD UTILITY SERVICES AS A RESULT OF ACCIDENTAL BREAKAGE OR AS A RESULT OF BEING EXPOSED OR UNSUPPORTED, THE CONTRACTOR SHALL IMMEDIATELY ALERT THE OCCUPANTS OF NEARBY PREMISES AS TO ANY EMERGENCY AND/OR INTERRUPTION OF SERVICE THAT THE CONTRACTOR MAY CREATE OR DISCOVER AT OR NEAR SUCH PREMISES. THE CONTRACTOR SHALL THEN NOTIFY THE ENGINEER AND THE OWNER OR OPERATOR OF THE UTILITY FACILITY OF THE DISRUPTION AND SHALL COOPERATE WITH SAID UTILITY OWNER OR OPERATOR IN RESTORATION OF SERVICE. IF WATER SERVICE IS INTERRUPTED, REPAIR WORK SHALL BE CONTINUOUS UNTIL THE SERVICE IS RESTORED. NO WORK SHALL BE UNDERTAKEN AROUND FIRE HYDRANTS UNTIL PROVISIONS FOR CONTINUED SERVICE HAVE BEEN APPROVED BY THE LOCAL FIRE AUTHORITY.

**NOTIFICATION**

THE LAW ENFORCEMENT AGENCIES, FIRE DEPARTMENTS, ENGINEERS AND SCHOOL DISTRICTS SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO THE ACTUAL START OF CONSTRUCTION.

NORTH PERRY VILLAGE POLICE DEPT.  
DENISE MERCSAK, CHIEF (440) 259-3020

NORTH PERRY VILLAGE ENGINEER  
LAND DESIGN CONSULTANTS, INC. (440) 255-8463

PERRY PUBLIC SCHOOL DIST.  
Dr. SCOTT HOWARD SUPT. (440) 259-3881

PERRY TOWNSHIP FIRE DEPT.  
JAMES McDONALD, CHIEF (440) 259-2880

MADISON TOWNSHIP POLICE DEPT.  
RICHARD SVAGERKO, CHIEF (440) 428-2116

MADISON TOWNSHIP FIRE DEPT.  
WALT ZILKE, CHIEF (440) 428-1522

MADISON LOCAL SCHOOL DIST.  
STAN W. HEFFNER, SUPT. (440) 428-2166

PAINESVILLE TOWNSHIP FIRE DEPT.  
LARRY E. THOMPSON, CHIEF (440) 352-7443

PAINESVILLE TOWNSHIP LOCAL SCHOOL DIST.  
KEITH THIMONS, SUPT. (440) 352-0668

LAKE COUNTY ENGINEER (440) 350-2770

**EXISTING TYPICAL SECTIONS**

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM THE RECORDS AND ARE BELIEVED TO REPRESENT THE EXISTING PAVEMENT CONDITIONS, BUT THE STATE OF OHIO WILL NOT GUARANTEE THE ACCURACY OF THE SAME.

**COOPERATION BETWEEN CONTRACTORS**

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

**INDIANA BAT**

THE PROJECT IS WITHIN THE RANGE OF THE FEDERALLY ENDANGERED INDIANA BAT (MYOTIS SODALIS). THE PROJECT MAY IMPACT SUMMER AND BROOD REARING HABITATS FOR THIS SPECIES (I.E., TREES OVER NINE INCHES DIAMETER BREAST HEIGHT WITH LOOSE OR PEELING BARK AND/OR CAVITIES GREATER THAN 3-4 INCHES IN SIZE). TO PREVENT HARM TO THESE BATS, THE REMOVAL OF ANY POTENTIAL ROOST TREES MUST BE COMPLETED BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALL BAT TREE CUTTING MUST BE COMPLETED BEFORE THE APRIL 15TH DEADLINE.

**ROADWAY**

**CLEARING AND GRUBBING**

ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING.

**MONUMENTS**

MONUMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAILS AS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON THE APPROPRIATE PLAN SHEETS.

**ITEM 202. BUILDING DEMOLISHED**

THE CONTRACTOR SHALL NOT BURN STRUCTURES TO BE DEMOLISHED WITHOUT OBTAINING ALL NECESSARY PERMITS FROM ALL REGULATORY ENTITIES. PLEASE NOTE THAT ADDITIONAL ASBESTOS ABATEMENT MAY BE NECESSARY BASED ON THESE REGULATORY ENTITY REVIEWS.

**ITEM 203. PROOF ROLLING**

AN ESTIMATED QUANTITY FOR THIS ITEM HAS BEEN PROVIDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

**ITEM 606-ANCHOR ASSEMBLY, TYPE E-98**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING EITHER OF THE FOLLOWING GUARDRAIL END TERMINALS.

- 1) THE ET-2000 (1997) MANUFACTURED BY SYRO, INC., 1170 N. STATE STREET, GIRARD, OHIO 44420 (TELEPHONE: 330-545-4373).

THE LENGTH OF THE ET-2000 (1997) SYSTEM IS CONSIDERED TO BE 50'-0" (15.24 m), INCLUSIVE OF TWO 25'-0" (7.62 m) LONG RAIL ELEMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. #	DRAWING NAME	DWG./REV. DATE	ODOT APPROVAL DATE
SS265M	ET-2000 (1997) PLAN, ELEVATION & SECTIONS	6/20/97	3/6/98

- 2) THE SKT-350 MANUFACTURED BY ROAD SYSTEMS, INC., 7631 NEW CASTLE DRIVE, FRANKFORT, IL. 60423 (TELEPHONE: 815-464-5917)

THE LENGTH OF THE SKT-350 SYSTEM IS CONSIDERED TO BE 50'-0" (15.24 m), INCLUSIVE OF FOUR 12'-6" (3.81 m) LONG RAIL ELEMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. #	DRAWING NAME	DWG./REV. DATE	ODOT APPROVAL DATE
SKT-4M	SEQUENTIAL KINKING TERMINAL (SKT-350) ASSEMBLY WITH 4 FOUNDATION TUBES	12/11/97	3/6/98

THE FACE OF THE TYPE E-98 IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19, APPROXIMATELY 18" X 18" (450 mm. X 450 mm.)

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, TYPE E-98, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 203 - EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION**

IF UNSUITABLE FOUNDATION SOILS ARE ENCOUNTERED IN THE AREAS OF THE PROPOSED ROADBED, THEY SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL MEETING THE REQUIREMENTS OF 203.08. THE LOCATIONS AND DIMENSIONS WILL BE AS DETERMINED BY THE ENGINEER.

THE FOLLOWING CONTINGENCY QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 203 1000 CU. YDS. EMBANKMENT USING GRANULAR MATERIAL.

ITEM 203 2300 CU. YDS. EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION

**SO-DEEP EXISTING UTILITY INVESTIGATION**

SO-DEEP TEST HOLES ARE SHOWN IN THE PLANS USING THE SYMBOL Ⓢ AND LABELED TH 3, TH 4, TH 10, ETC. SO-DEEP RECORDS ARE AVAILABLE AT OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 12, ATTN: DAVID LASTOVKA, (216) 581-2333 (ext.412)

**PARCEL 8 COORDINATION**

THE CONTRACTOR IS REQUIRED TO COORDINATE HIS/HER WORK ACTIVITIES WITH THE OWNER OF PARCEL 8. THE OWNER OF PARCEL 8 WILL BE RELOCATING HIS EXISTING SIGN ELECTRICAL SERVICE OUTSIDE THE PROPOSED RIGHT OF WAY. THE CONTRACTOR SHALL GIVE AT LEAST THREE (3) WEEKS OF NOTICE TO THE OWNER PRIOR TO BEGINNING WORK ADJACENT TO THIS PARCEL.

**PARCEL 43 COORDINATION**

THE CONTRACTOR SHALL NOT DEMOLISH THE EXISTING BUILDING ON THIS PARCEL UNTIL HE/SHE RECEIVES WRITTEN NOTICE FROM THE ENGINEER THAT THE WATER SERVICE CONNECTION ISSUES RELATED TO THIS PARCEL HAVE BEEN RESOLVED. THE CONTRACTOR SHALL REQUEST AN UPDATE FROM THE ENGINEER 60 DAYS PRIOR TO THE ANTICIPATED BUILDING DEMOLITION DATE.

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CALCULATED  
H.J.H.  
CHECKED  
W.D.B.

GENERAL NOTES

LAK-20-18.72