

GENERAL

ROUNDING

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

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

LAKE COUNTY ENGINEER
ATTN: JAMES R. GILLS,
P.E., P.S.
550 BLACKBROOK RD.
PAINESVILLE, OHIO 44077
(440) 350-2770

AT&T OHIO
ATTN: ERIC WESTERBURG
13630 LORAIN AVE.
ROOM 350
CLEVELAND, OHIO 44111
(216) 476-6142

LAKE COUNTY UTILITIES
ATTN: AL SAARI, P.E.
105 MAIN ST.
PAINESVILLE, OHIO 44077
(440) 350-2645

CITY SIGNAL
COMMUNICATIONS
ATTN: WILLIAM PARK
6777 ENGLE RD. SUITE G
MIDDLEBURG HEIGHTS,
OHIO 44130
(440) 260-0102

DOMINION EAST OHIO
ATTN: MIKE ANTONIUS
1201 E. 55TH ST.
CLEVELAND, OHIO 44103
(216) 736-6675

ORWELL NATURAL GAS
ATTN: OTTAR MAGNUSSON
8500 STATION ST.
MENTOR, OHIO 44060
(440) 974-5120

CSXT
ATTN: MEL MCNICHOLS
500 WATER STREET, HJ350
JACKSONVILLE, FLORIDA
32202-4423
(904) 359-3100

TIME WARNER CABLE
ATTN: LARRY BOCK
7757 AUBURN RD. SUITE 8
PAINESVILLE, OHIO 44077
(440) 354-0030

COMCAST
ATTN: MIKE JONES
7820 DIVISION DR.
MENTOR, OHIO 44060
(440) 974-3401 EXT. 122

AQUA OHIO, INC.
ATTN: DOUG WARRICK
6650 SOUTH AVENUE
BOARDMAN, OHIO 44512
(330) 397-0794

FIRST ENERGY
ATTN: FRANK DIBBS
6896 MILLER RD.
BRECKSVILLE, OHIO 44141
(440) 546-8748

UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

EXISTING PLANS

EXISTING PLANS ENTITLED LAK-2-0.00 (1959), LAK-2-4.42 (1959), LAK-2-7.39 (1959), LAK-2-0.00 (1986), LAK-2-6.14 (1986), AND LAK-2-6.12 (2001) MAY BE INSPECTED IN THE ODOT DISTRICT 12 OFFICE LOCATED AT:
5500 TRANSPORTATION BLVD.
GARFIELD HTS, OHIO 44125

EXISTING TYPICAL SECTIONS

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

FOR FURTHER INFORMATION IN REGARD TO THE EXISTING TYPICAL SECTIONS, THE CONTRACTOR SHALL REFER TO THE PREVIOUS CONSTRUCTION PLANS.

THESE PLANS MAY BE REVIEWED AT THE FOLLOWING LOCATION:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 12 OFFICE
5500 TRANSPORTATION BLVD.
GARFIELD HTS, OHIO 44125

ADDITIONAL SOIL INFORMATION

THE SOIL PROFILE AND/OR STRUCTURE FOUNDATION INVESTIGATIONS SHEETS CONTAIN ALL AVAILABLE SOIL AND BEDROCK INFORMATION WHICH CAN BE CONVENIENTLY SHOWN. ADDITIONAL SUBSURFACE INVESTIGATION INFORMATION IS AVAILABLE FROM:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 12 OFFICE
5500 TRANSPORTATION BLVD.
GARFIELD HEIGHTS, OHIO 44125

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

ELEVATION DATUM

ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND THE GEOID03 GEOID. HORIZONTAL POSITIONS ARE BASED ON THE STATE PLANE NORTH ZONE, A LAMBERT CONFORMAL CONIC MAP PROJECTION, THE NORTH AMERICAN DATUM OF 1983 ADJUSTED TO THE NATIONAL SPATIAL REFERENCE SYSTEM OF 2007 (NAD 83(NSRS 2007)), AND THE GRS80 ELLIPSOID.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

RIGHT OF WAY

PERFORM ALL WORK WITHIN THE EXISTING RIGHT OF WAY OR EASEMENT.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. THE CONSTRUCTION LIMITS ARE IDENTIFIED ON THE PLANS ACCORDINGLY.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

CHEMICALLY STABILIZED SUBGRADE

THE ROADWAY SUBGRADE SHALL BE CEMENT STABILIZED AT THE LOCATIONS DESIGNATED IN THE PLANS. ALL CEMENT STABILIZATION SHALL BE 12 INCHES DEEP AND SHALL BE CONSTRUCTED PER THE REQUIREMENTS STATED IN CMS SPECIFICATION ITEM 206. A SPREAD RATE OF 6 PERCENT OF CEMENT SHALL BE USED FOR THE SUBGRADE DESIGN. THIS PERCENTAGE IS BASED ON A DRY UNIT WEIGHT OF SOIL OF 110 POUNDS PER CUBIC FOOT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE TO COMPLETE THE WORK NOTED ABOVE:

ITEM 206 - CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP	420,329 S.Y.
ITEM 206 - CURING COAT	420,329 S.Y.
ITEM 206 - CEMENT	12,484 TON
ITEM 206 - TEST ROLLING	207 HOUR

CLEARING AND GRUBBING

THE DEPARTMENT HAS NOT MARKED INDIVIDUAL TREES AND STUMPS FOR REMOVAL. UNLESS SPECIFICALLY DESIGNATED AS "DO NOT DISTURB" IN THE PLANS, REMOVE ALL TREES AND STUMPS WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201 CLEARING AND GRUBBING.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON RIGHT-OF-WAY SHEETS NO. 1 TO 11.

ITEM 204 - PROOF ROLLING

WHERE NOT OTHERWISE SPECIFIED IN THE PLANS, THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 30 HOUR.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

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.

EXISTING RIGHT OF WAY

THE EXISTING RIGHT OF WAY AND PROPERTY LINES SHOWN ON THE PLANS, WERE DEVELOPED FROM THREE SOURCES; THE ORIGINAL CONSTRUCTION PLANS, COUNTY GIS MAPPING AND FIELD SURVEY. DUE TO THE VARIED SOURCES SOME OVERLAP MAY OCCUR.

STAGING AREA WITHIN STATE RIGHT OF WAY

A SPECIFIC AREA(S) IS/ARE SHOWN IN THE PLANS FOR THE CONTRACTOR TO USE AS STAGING AREA(S). NO D-12 PERMIT WILL BE REQUIRED FOR THE CONTRACTOR TO UTILIZE THIS

LOCATION. THE CONTRACTOR SHALL SUBMIT A WRITTEN DESCRIPTION OF THEIR PLANNED USE TO THE PROJECT ENGINEER FOR CONCURRENCE. ALL USES OF THE R/W SHALL BE COORDINATED BY THE PROJECT ENGINEER.

NO CONCRETE OR ASPHALT PLANTS ARE ALLOWED. NO CRUSHING OPERATIONS ARE ALLOWED. THE CONTRACTOR SHALL NOT UTILIZE THIS PROJECT'S STAGING AREA FOR OTHER PROJECTS. THE CONTRACTOR SHALL NOT STOCKPILE MATERIAL ON TOP OF EXISTING DRAINAGE PIPES AND UNDERGROUND UTILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE REGULATORY REQUIREMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION OF THE STAGING AREA(S). IN ADDITION TO SECTION 104.04 OF THE CMS, RESTORATION WORK SHALL INCLUDE, AT NO ADDITIONAL COST TO THE STATE:

1. REMOVAL OF AT LEAST 4 INCHES OF MATERIAL AND REPLACEMENT WITH TOPSOIL PER ITEM 659.
2. SEED AND MULCH THE AREA PER ITEM 659
3. REPLACEMENT OF ALL TREES REMOVED BY CONTRACTOR ON CALIPER-INCH BASIS WITH ONE (1) YEAR WARRANTY

IF THE PROJECT ENGINEER DEEMS THAT ALL THE CONDITIONS OF R/W USE ARE NOT MET, THEN 10% OF THE CONTRACT BID AMOUNT FOR MOBILIZATION SHALL BE WITHHELD UNTIL ALL THE CONDITIONS OF THE R/W USE ARE SATISFIED.

CONVERSION OF STANDARD CONSTRUCTION DRAWINGS

CONVERT THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.02 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS. CONVERSIONS WILL BE APPROPRIATELY PRECISE AND REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS/HER 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.

ENVIRONMENTAL

STREAM CHANNEL EXCAVATION

STREAM CHANNEL EXCAVATION WITHIN "WATERS OF THE US"

IS SUBJECT TO US ARMY CORPS OF ENGINEERS (USACE) REGULATORY JURISDICTION AND WILL REQUIRE AUTHORIZATION BY THE USACE VIA THE WATERWAY PERMITTING PROCESS (404/401). IN ACCORDANCE WITH THE APPLICABLE WATERWAY PERMITS (404/401) STREAM CHANNEL EXCAVATION CAN NOT EXCEED THE QUANTITIES AND/OR SURFACE AREA THAT HAS BEEN PERMITTED. THE WATERWAY PERMITS ARE ATTACHED TO THE CONSTRUCTION PLANS AS SPECIAL PROVISIONS AND WILL BE AVAILABLE IN THE PROJECT CONSTRUCTION OFFICE.

TAKE ALL PRECAUTIONS NECESSARY TO PREVENT ANY INCIDENTAL DISCHARGES ASSOCIATED WITH THE EXCAVATION AND HAULING OF MATERIAL FROM THE STREAM CHANNEL. THIS PERTAINS TO ANY EXCAVATION OPERATIONS SUCH AS, FOUNDATION PIER OR ABUTMENT EXCAVATION, CHANNEL CLEANOUT, EXCAVATION FOR ROCK CHANNEL PROTECTION AND REMOVAL OF ANY TEMPORARY FILL ASSOCIATED WITH CONSTRUCTION OPERATIONS.

CALCULATED
PSB
CHECKED
DES

GENERAL NOTES

LAK - 2 - 3.32

41
1679

G:\Project\lak\13486\roadway\sheets\13486GN001-REV 8-20-08.dgn 8/20/2008 1:15:29 PM djozity