

1.0 GENERAL NOTES

1.01 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING A SITE FOR DISPOSAL OF ALL EXCAVATED MATERIAL THAT IS UNSUITABLE FOR USE AS BACKFILL AND ALL OTHER EXCESS EXCAVATED MATERIALS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE LOCATION OF THE DISPOSAL SITE AND WRITTEN PERMISSION FOR USE OF THE SITE FROM THE PROPERTY OWNER. THE COST FOR SECURING AND MAINTAINING THE DISPOSAL SITE WILL BE INCLUDED IN THE UNIT PRICES STIPULATED FOR THE VARIOUS ITEMS IN THE BID PROPOSAL.

1.02 ALL OVER-THE-ROAD VEHICLES USED ON THE PROJECT BY ALL CONTRACTORS WILL BE CLEARLY MARKED SHOWING ITS COMPANY AFFILIATION.

1.03 BEFORE THE LAKE COUNTY DEPARTMENT OF UTILITIES WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTEE RETAINER, THE CONTRACTOR WILL FURNISH THE LAKE COUNTY DEPARTMENT WITH A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.

1.04 ALL UTILITY LINES CROSSING NEW UTILITY TRENCHES (i.e. STORM SEWERS, STORM LATERALS, SANITARY SEWERS, SANITARY LATERALS, WATER MAINS, WATER SERVICE CONNECTIONS, GAS MAINS, GAS SERVICE CONNECTIONS, UNDERGROUND OCT CONDUITS, CABLE TV LINES) SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS OR REMOVED AND REPLACED, RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. NO ADDITIONAL COMPENSATION WILL BE PAID FOR THE ABOVE WORK UNLESS ANY OF THE ABOVE UTILITIES ARE ENCOUNTERED AND NOT SHOWN ON THE DRAWINGS.

1.05 SHOP DRAWINGS ON ALL MATERIALS SHALL BE SUBMITTED TO THE LAKE COUNTY SANITARY ENGINEER FOR APPROVAL AND PRIOR TO INSTALLATION. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR PRELIMINARY CHECKING. THE ENGINEER SHALL FORWARD CHECKED SHOP DRAWINGS TO THE LAKE COUNTY DEPARTMENT OF UTILITIES FOR FINAL CHECKING AND APPROVAL.

1.06 INSPECTION SERVICES SHALL BE PERFORMED BY THE LAKE COUNTY UTILITIES DEPARTMENT. THE COST OF INSPECTION SHALL BE INCLUDED AS PART OF THIS CONSTRUCTION PROJECT AT A RATE OF \$250.00 PER HOUR-DAY. COST FOR INSPECTION SHALL BE THE SOLE RESPONSIBILITY OF THE BELOW COUNTY LICENSED SEWER BUILDER. OVERTIME, WEEKENDS AND HOLIDAYS SHALL BE AT A RATE OF 1.5 THE BASE RATE.

2.0 FORCE MAIN

2.01 ALL FORCE MAIN WORK CONTEMPLATED MUST BE IN ACCORDANCE WITH CURRENT REGULATIONS AND RULES OF THE LAKE COUNTY UTILITIES DEPARTMENT.

2.02 ONLY SEWER BUILDERS LICENSED BY THE BOARD OF LAKE COUNTY COMMISSIONERS MAY INSTALL FORCE MAINS.

2.03 ALL FORCE MAINS MUST HAVE PREMIUM JOINTS AND THE ENTIRE SYSTEM MUST PASS AN INFILTRATION TEST AND DEFLECTION TEST AFTER CONSTRUCTION HAS BEEN COMPLETED.

2.04 THE CONTRACTOR SHALL SCHEDULE INSPECTION AT LEAST 48 HOURS IN ADVANCE WITH LAKE COUNTY UTILITIES DEPARTMENT.

2.05 ALL FORCE MAIN CONSTRUCTION AREAS MUST BE TO SUBGRADE PRIOR TO SEWER CONSTRUCTION AND CERTIFIED IN WRITING BY AN OHIO PROFESSIONAL SURVEYOR HIRED BY THE CONTRACTOR.

2.06 ALL FITTINGS WILL BE DUCTILE IRON MECHANICAL JOINTS A21.11 UNLESS OTHERWISE SHOWN ON THE PLANS. ALL DUCTILE IRON FITTINGS SHALL BE STANDARD FULL BODY LENGTH.

2.07 ALL FITTINGS, INCLUDING BENDS, TEES, OFFSETS, REDUCERS, AND PLOGS WILL BE RESTRAINED WITH MEGALUG SERIES 2000 MECHANICAL JOINT RESTRAINTS OR APPROVED EQUIV. ALL JOINTS WITHIN THE RESTRAINED DISTANCES SHOWN ON THE PLANS WILL BE MECHANICAL JOINTS A21.11 AND WILL BE RESTRAINED IN THE SAME MANNER.

2.08 ALL BOLTS UTILIZED ON FORCE MAIN IMPROVEMENTS WILL HAVE THREADED, 14-OUNCE ZINC ANODE CAPS. COST OF FURNISHING AND PLACING ZINC ANODE CAPS WILL BE INCLUDED IN THE UNIT BID PRICES FOR OTHER FORCE MAIN ITEMS OF WORK.

2.09 THE DUCTILE IRON PIPE, FITTING AND APPURTENANCES BURIED UNDERGROUND, SHALL BE ENCASED WITH 4 MIL POLYETHYLENE FILM CONFORMING TO AWWA C105, METHOD B, UNLESS OTHERWISE NOTED.

2.10 THE LAKE COUNTY WATER DEPARTMENT SHALL PROVIDE WATER FOR FILLING THE FORCE MAIN WITHOUT COST TO THE CONTRACTOR FOR THE INITIAL FILLING OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH TRANSPORTING TESTING WATER TO THE SITE.

3.0 EXISTING UTILITIES

3.01 THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY DILIGENT FIELD CHECKS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THEY ARE ESSENTIALLY CORRECT, BUT THE LAKE COUNTY DEPARTMENT OF UTILITIES DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS.

3.02 WHERE EXISTING POWER OR TELEPHONE POLES ARE IN CLOSE PROXIMITY TO WORK, THE CONTRACTOR SHALL COORDINATE HIS WORK EFFORTS WITH THOSE OF THE UTILITY COMPANIES SUCH THAT THEIR EXISTING FACILITIES CAN BE MAINTAINED AND PROTECTED DURING THE TIME WORK IS GOING ON ADJACENT TO THE POLE. THE COST FOR ANY REQUIRED PROTECTION OR RELOCATION OF EXISTING POWER OR TELEPHONE POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NOT BE THE RESPONSIBILITY OF THE LAKE COUNTY DEPARTMENT OF UTILITIES.

DELAYS TO THE CONTRACTOR AS A RESULT OF TIMING OF POLE RELOCATION OR PROTECTION SHALL NOT BE CONSIDERED COMPENSABLE DELAYS. AS IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS WORK IN CONFORMANCE TO THE UTILITY COMPANIES SCHEDULE.

3.03 CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL THE EXISTING GAS, WATER, ELECTRIC, CABLE, TELEPHONE, OR OTHER UNDERGROUND UTILITIES PRIOR TO THE INSTALLATION OF ANY PROPOSED IMPROVEMENT INDICATED ON THE PLANS. SHOULD A CONFLICT EXIST AT A UTILITY CROSSING, THE PROJECT ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

3.04 BEFORE ANY WORK IS STARTED THAT WILL INTERFERE WITH THE EXISTING UTILITIES, THE CONTRACTOR SHALL CALL THE "OHIO UTILITIES PROTECTION SERVICE", AT 1-800-342-2764, FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AT NO ADDITIONAL EXPENSE TO THE LAKE COUNTY DEPARTMENT OF UTILITIES, TO AVOID DAMAGE TO EXISTING UNDERGROUND AND OVERHEAD UTILITY LINES DURING THE ENTIRE PROJECT. IN THE EVENT OF DAMAGE TO EXISTING PUBLIC AND/OR PRIVATE UTILITIES, THE AGENCY CONCERNED SHALL BE NOTIFIED IMMEDIATELY AND ALL REPAIR WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE AGENCY AT NO ADDITIONAL EXPENSE TO THE LAKE COUNTY DEPARTMENT OF UTILITIES, INCLUDING ANY INSPECTION FEES OR MAINTENANCE CREWS.

3.05 THE OUP'S REFERENCE NUMBER FOR THIS PROJECT IS _____

3.06 THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF THE EXISTING GAS AND UTILITY OWNERS PRIOR TO THE START OF THE WORK BELOW IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE.

THE FOLLOWING IS BELIEVED TO BE THE LIST OF UTILITY OWNERS AND GOVERNING AUTHORITIES WITHIN THE LIMITS OF CONSTRUCTION:

AMERITECH 605 CENTER AVENUE BAY CITY, MI 48706	CITY OF PAINESVILLE ELECTRIC WATER 7 RICHMOND STREET PAINESVILLE, OHIO 44077-0601
CONSUMERS OHIO WATER COMPANY LAKE ERIE DISTRICT 8644 STATION STREET MENTOR, OHIO 44060-4316 (440) 255-3421	THE ILLUMINATING COMPANY 205 ST. CLAIR AVENUE, N.W. ROOM 261 CLEVELAND, OHIO 44113
EAST OHIO GAS CO. - ASHTABULA 7001 CENTER ROAD ASHTABULA, OHIO 44004	ADELPHI CABLE 7757 AUBURN ROAD, SUITE B PAINESVILLE, OHIO 44077 (440) 354-8000
EAST OHIO GAS CENTRAL LOCATING SERVICE 2550 HARRISON ROAD COLUMBUS, OHIO 43230	LAKE COUNTY DEPARTMENT OF UTILITIES - WATER 3820 AQUARIUS PARKWAY WILLOUGHBY, OHIO 44094
LAKE COUNTY DEPARTMENT OF UTILITIES - SEWER 8471 LAKESHORE BOULEVARD MENTOR, OHIO 44060	

4.0 GRASS RESTORATION

4.01 SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL IMMEDIATELY FOLLOW EXCAVATION AND FORCE MAIN OR SEWER INSTALLATION OPERATIONS. IN NO CASE SHALL THE LENGTH OF THE UNSEEDED AREA ALONG THE PROJECT BE GREATER THAN 1000 FEET. THE ONLY EXCEPTION TO THIS SHALL BE DURING WINTER WEATHER CONDITIONS.

4.02 ALL EXPOSED SLOPES ARE TO BE SEEDED AND MULCHED IMMEDIATELY AFTER GRADING WORK IS COMPLETED. IF, IN THE OPINION OF THE ENGINEER, ADDITIONAL EROSION AND SEDIMENTATION CONTROL IS REQUIRED, THEY SHALL BE INSTALLED UNDER HIS DIRECTION IN ACCORDANCE WITH APPLICABLE SECTIONS OF ODOT ITEM 207 AND STANDARD CONSTRUCTION DRAWING NO. MC-11.

5.0 SUBSOIL INVESTIGATION

5.01 A SOILS REPORT DATED _____ BY EDP ASSOCIATES, INC. WAS RELIED UPON BY THE ENGINEER IN THE PREPARATION OF DRAWINGS AND SPECIFICATIONS. COPIES OF THE REPORT MAY BE EXAMINED OR OBTAINED FOR A NON-REFUNDABLE COST OF \$20.00 AT THE OFFICE OF THE ENGINEER DURING REGULAR BUSINESS HOURS.

6.0 SURVEY

6.01 ALL ELEVATIONS SHOWN ON THESE PLANS ARE IN FEET ABOVE THE "U.S.G.S." DATUM PLANE (NAVD, 1989).

6.02 THE SURVEY AND ROADWAY ALIGNMENT SHOWN ON THESE PLANS WERE OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSES.

7.0 SOIL EROSION, SEDIMENT AND DUST CONTROL

7.01 THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ODOT ITEM 207 AND AS REQUIRED BY THE LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

7.02 THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY, SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE, AS DIRECTED BY THE ENGINEER, TO MAINTAIN ALL ROADWAY'S BEING USED ALONG THE CONSTRUCTION SITE. PAYMENT FOR ALL SOIL EROSION, SEDIMENT AND DUST CONTROL MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER VARIOUS ITEMS.

8.0 MONUMENT PROTECTION

8.01 PROPERTY PINS AND MONUMENTS ALONG THE ROUTE OF THE ENTIRE PROJECT, WHICH MAY BE DISTURBED BY THE CONTRACTOR, SHALL BE REFERENCED BY A PROFESSIONAL SURVEYOR. SO THEY CAN BE REPLACED IN THE EVENT THAT THEY ARE DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL PINS, MONUMENTS AND REFERENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF LOCATING AND REFERENCING AND REPLACING THE PROPERTY PINS AND MONUMENTS AS DIRECTED BY THE ENGINEERS.

9.0 RELOCATION OF EXISTING GROUND MOUNTED TRAFFIC SIGNS

9.01 ALL EXISTING GROUND MOUNTED TRAFFIC SIGNS SHALL BE REMOVED AND REPLACED AT THEIR EXISTING LOCATION WITH A MINIMUM 12-FOOT OFFSET FROM THE EDGE OF THE PAVEMENT AND IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ODOT ITEM 630. UNLESS DIRECTED OTHERWISE, ANY UNSAVABLE MATERIALS AS DETERMINED BY THE ENGINEER SHALL BE DISPOSED OF AND REPLACED WITH MATERIALS MEETING THE REQUIREMENTS OF ODOT ITEM 630. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS.

10.0 RESTORATION

10.01 THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS AND MATERIALS RESULTING FROM HIS OPERATION AND RESTORE ALL SURFACES, STRUCTURES, DITCHES AND PROPERTY TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. ANY DITCHES DISTURBED DURING CONSTRUCTION SHALL BE REGARDED BY THE END OF THE SAME WORK DAY.

10.02 ALL EXISTING STORM AND SANITARY SEWER FACILITIES, INCLUDING TILE, DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED, REPLACED OR RECONNECTED TO THE EXISTING OR PROPOSED SYSTEM AS DIRECTED BY THE ENGINEER.

10.03 RESTORATION SHALL INCLUDE SEEDING AND MULCHING OF DISTURBED AREAS. RESTORATION OF EXISTING DRIVES AND FINAL CLEAN UP.

11.0 MATERIALS STORAGE

11.01 ALL EXCAVATED MATERIAL AND ALL MATERIAL USED IN CONSTRUCTION OF THE WORK SHALL BE STORED IN A MANNER THAT WILL NOT ENDANGER THE ROAD AND THAT WILL LEAVE DRIVEWAYS, HYDRANTS UNDER PRESSURE, VALVE FIT COVERS, VALVE BOXES CURB STOP BOXES OR OTHER UTILITY CONTROLS UNOBSTRUCTED AND ACCESSIBLE WHILE THE WORK IS BEING COMPLETED. OUTTERS SHALL BE KEPT CLEAR AND MAINTAINED AT ALL TIMES TO ALLOW SATISFACTORY PROVISIONS SHALL BE MADE FOR STREET DRAINAGE. NATURAL DRAINAGE COURSES SHALL NOT BE OBSTRUCTED. DURING THE PROGRESS OF WORK, ALL MATERIALS SHALL BE KEPT TRIMMED UP AND MAINTAINED IN A NEAT MANNER.

11.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL TREES, STUMPS, BROKEN PAVEMENT AND ALL CONSTRUCTION DEBRIS OF WHATEVER NATURE OUTSIDE THE WORK LIMITS OF THE PROJECT.

12.0 PIPE MATERIAL AND BEDDING SPECIFICATIONS

12.01 POLYETHYLENE PIPE FORCE MAINS:

PIPE SPECIFICATION AWWA C-906
JOINT SPECIFICATION AWWA C-906
BEDDING SPECIFICATION ASTM D-2321, CLASS I AND II
(8" STANDARD PROCTOR OR CLASS II (90% PROCTOR) ONLY).
ALL BEDDING MATERIAL SHALL PASS 3/4" SIEVE.

POLYETHYLENE PIPE (PE) SHALL BE THE DIMENSION RATIO (DR) AS SHOWN ON THE DRAWINGS.

12.02 DUCTILE IRON PIPE FORCE MAINS SHALL CONFORM TO THE FOLLOWING:

PIPE SPECIFICATION AWWA C-151
JOINT SPECIFICATION AWWA C-111
BEDDING SPECIFICATION ASTM D-2321, CLASS I AND II
(8" STANDARD PROCTOR OR CLASS II (90% PROCTOR) ONLY).
ALL BEDDING MATERIAL SHALL PASS 3/4" SIEVE.

13.0 LEAKAGE TESTING

13.01 FORCE MAINS - ALL FORCE MAINS SHALL BE HYDROSTATICALLY TESTED USING AN EXPANSION TEST OR, WHERE SPECIFICALLY ALLOWED IN WRITING BY THE ENGINEER, AN INFILTRATION TEST.

13.02 FORCE MAINS - NO PIPE INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE RATE FOR THE SECTION OF PIPE BEING TESTED EXCEEDS A RATE OF 75 GALLONS PER 24 HOURS PER MILE PER INCH OF INSIDE DIAMETER.

13.03 GRAVITY SEWERS - ALL FORCE MAINS SHALL BE HYDROSTATICALLY TESTED USING AN EXPANSION TEST OR, WHERE SPECIFICALLY ALLOWED IN WRITING BY THE ENGINEER, AN INFILTRATION TEST.

13.04 GRAVITY SEWERS - NO PIPE INSTALLATION WILL BE ACCEPTED IF THE LEAKAGE RATE FOR THE SECTION OF PIPE BEING TESTED EXCEEDS A RATE OF 100 GALLONS PER 24 HOURS PER MILE PER INCH OF INSIDE DIAMETER.

14.0 DEFLECTION TESTING

14.01 ALL POLYETHYLENE PIPE SHALL BE TESTED FOR DEFLECTION.

14.02 DEFLECTION TESTING SHALL TAKE PLACE NOT LESS THAN 30 DAYS AFTER FINAL FULL BACKFILL HAS BEEN PLACED AND SOIL SETTLEMENT HAS OCCURRED. THE DEFLECTION TEST SHALL BE CONDUCTED TO DETERMINE COMPLIANCE WITH THE MAXIMUM ALLOWABLE DEFLECTION OF THE INSIDE DIAMETER OF THE POLYETHYLENE PIPE.

14.03 THE ALLOWABLE DEFLECTION SHALL NOT EXCEED THE LIMITS INDICATED IN THE FOLLOWING TABLE.

DIMENSION RATION (DR OR SDR)	MAXIMUM DEFLECTION AS A % OF INSIDE DIAMETER
17	5.0
13.5	4.0
11	3.0
9	2.5

15.0 TRAFFIC MAINTENANCE

15.01 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.

LAKE COUNTY SHERIFF'S DEPARTMENT: (440) 350-5517
DANIEL A. DUNLAP, SHERIFF

PAINESVILLE CITY LOCAL SCHOOL DISTRICT: (440) 639-7000
DIRECTOR OF TRANSPORTATION

PAINESVILLE TOWNSHIP LOCAL SCHOOL DISTRICT: (440) 352-0668
DIRECTOR OF TRANSPORTATION

CONCORD TOWNSHIP: (440) 354-7504
CHIEF MICHAEL WARNER

15.02 SYSTEM FOR MAINTAINING TRAFFIC: WHENEVER ANY TRAVELED SURFACE IS BEING WORKED ON OR OTHERWISE NOT SUITABLE FOR SAFE AND CONVENIENT USE BY VEHICLES AND PEDESTRIANS, TRAFFIC CONTROL DEVICES SUFFICIENT TO PROTECT SUCH AREAS AND TO ASSURE THE SAFE PASSAGE OF VEHICULAR TRAFFIC SHALL BE INSTALLED AND MAINTAINED. SUCH TRAFFIC CONTROL DEVICES AND THE MANNER IN WHICH THEY ARE USED SHALL BE CONSISTENT WITH THESE PLANS AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. HEREINAFTER REFERRED TO AS THE MANUAL. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES ARE USED. ALSO, THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADDITIONAL BARRICADES, ETC. TO PROTECT THE FRESH PAVEMENT DURING THE CURING PERIOD FROM ANY VEHICLES WHICH MAY DRIVE AROUND OR THROUGH THE TRAFFIC CONTROL.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET-ASIDE OUT OF THE VIEW OF TRAFFIC. CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED AND REPLACED WITH SECTION 641.10 OF THE OHIO SPECIFICATIONS BEFORE ANY SECTION OF ROADWAY IS MADE FOR USE BY TRAFFIC. ALL PERMANENT AND TEMPORARY PAVEMENT MARKINGS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. ANY DAMAGED OR FADED MARKINGS SHALL BE CORRECTED WITHIN EIGHT (8) HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE PROBLEM. IF WEATHER IS NOT CONDUCTIVE TO PAVEMENT MARKING INSTALLATION, THEN REPAIRS SHALL BE MADE ON THE FIRST WEATHER PERMISSIVE DAY AFTER NOTIFICATION.

15.03 TRAFFIC CONTROL PLAN: TWO (2) WEEKS PRIOR TO THE START OF WORK THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER TWO (2) SETS OF A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS SHOWING TRAFFIC CONTROL FOR EACH PHASE OF CONSTRUCTION. INCLUDE SHALL BE DETAILS OF THE PROPOSED METHODS TO MAINTAIN SAFE AND CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES AND INTERSECTING STREETS. THESE PLANS SHALL INCLUDE ALL TEMPORARY MATERIALS NECESSARY TO PROVIDE SAFE, ADEQUATE DRIVE SURFACES TO ALL ADJOINING PROPERTIES THE ENGINEER WILL FORWARD ONE (1) SET TO ODOT FOR REVIEW AND COMMENT. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC. PLANS MUST BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO COMMENCING ANY WORK.

SHOULD THE ENGINEER, AT ANY TIME PRIOR TO OR DURING CONSTRUCTION DEEM ANY PART OF THE CONTRACTOR'S PLANS FOR SAFE AND CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES INADEQUATE, ADDITIONAL MATERIALS, CLOSURES AND/OR DIVERSIONS SHALL BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

15.04 WEEKLY WORK SCHEDULE: THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AT THE START OF EACH WEEK, A SCHEDULE SHOWING THE TYPES AND LOCATIONS OF WORK TO BE UNDERTAKEN DURING THE ENSUING SEVE (7) DAYS.

15.05 ADVANCE WARNING SIGNS: ALL ADVANCE WARNING SIGNS FOR AN CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHENEVER THEY ARE NO APPLICABLE.

15.06 RESTRICTIONS: THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL SIGNS AND ROADWAY MARKINGS REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION AS SHOWN ON THESE PLANS. ANY CONFLICTING SIGNS, SIGNALS, PAVEMENT MARKINGS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE IMMEDIATELY REMOVED.

NO STOPPAGE OF TRAFFIC, ESTABLISHMENT OF LANE RESTRICTIONS OR CHANGE OF TRAFFIC PATTERNS SHALL OCCUR WITHOUT LAW ENFORCEMENT OFFICER(S) WITH PATROL CAR(S) AT EACH LOCATION TO DIRECT TRAFFIC UNLESS OTHERWISE APPROVED BY THE ENGINEER.

15.07 FAILURE TO COMPLY: FOR AN FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE MANUAL, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL BE CONSIDERED IN A CONDITION UNACCEPTABLE FOR SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORKING AREA IN A CONDITION ACCEPTABLE FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

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REV. NO.	DESCRIPTION	DATE	BY	CHK'D.

LAKE COUNTY DEPARTMENT OF UTILITIES
CONCORD SEWER PROJECT
SEWERAGE IMPROVEMENTS NO. 234-S
CONTRACT C - FORCE MAINS
LAKE COUNTY, OHIO

DATE: OCT., 1999
DRAWN BY: R.L.M.
CHECKED BY: J.M.Z.
APPROVED BY: R.E.W.
F.S. No. - PC -

SCALE
HOR. N.A.
VERT. N.A.
CONTRACT NO.
97303
SHEET NO. 1 OF 40

CONTRACT C - FORCE MAINS
GENERAL NOTES