

GENERAL

A PRECONSTRUCTION CONFERENCE SCHEDULED BY THE CITY OF MENTOR ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE MENTOR CITY ENGINEER, THE LAKE COUNTY SANITARY ENGINEER AND CONSUMERS OHIO WATER COMPANY PRIOR TO BEGINNING WORK TO ARRANGE FOR INSPECTION.

THE STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, 1997 EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND DRAWINGS, SHALL GOVERN THIS PROJECT. FOR PURPOSES OF THIS PLAN, REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE MENTOR CITY ENGINEER AND/OR HIS REPRESENTATIVE.

ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE CITY OF MENTOR ENGINEER, THE LAKE COUNTY SANITARY ENGINEER AND CONSUMERS OHIO WATER COMPANY AND AT ALL TIMES BE SUBJECT TO THEIR DIRECT SUPERVISION AND INSPECTION.

ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

MATERIAL TESTING AND PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL AND EQUIPMENT TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THIS PROJECT. THE CITY OF MENTOR WILL PROVIDE SUBGRADE COMPACTION TESTING AND CONCRETE QUALITY CONTROL TESTING WHICH WILL BE PAID FOR BY THE OWNER. THE EXECUTED PROJECT CONTRACT SHALL SERVE TO FULFILL THE CITY OF MENTOR'S PERMITTING REQUIREMENTS.

CLEARING AND GRUBBING

ALL TREES, STUMPS, ROOTS AND DEBRIS REMOVED FROM THE WORK LIMITS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE AT A LOCATION ACCEPTABLE TO THE ENGINEER.

NOTE: THE CONTRACTOR SHALL HAVE ALL CLEARING OPERATIONS COMPLETE PRIOR TO DECEMBER 1, 1999, UNLESS OTHERWISE APPROVED BY THE ENGINEER. IN NO CASE, SHALL ANY TREE REMOVAL TAKE PLACE AFTER APRIL 14, 2000.

UTILITIES

THE LOCATION OF ALL EXISTING 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 NOTIFICATION OF THE EXISTING UTILITY OWNERS AND UTILITY PROTECTION SERVICE LISTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE ORC AND AS OUTLINED IN THE PROJECT SPECIFICATIONS.

THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITY PROTECTION SERVICE
106 WEST RYEN, ROOM 427
YOUNGSTOWN, OHIO 44051
PHONE: (800) 362-2746

THE EAST OHIO GAS CO.
1201 EAST 55TH STREET
CLEVELAND, OHIO 44103
PHONE: (216) 432-8803

CITY OF MENTOR SERVICE DEPARTMENT
8500 CIVIC CENTER BOULEVARD
MENTOR, OHIO 44060
PHONE: (440) 255-1100

CONSUMERS OHIO WATER CO.
8644 STATION STREET
MENTOR, OHIO 44060
PHONE: (440) 255-3421

THE ILLUMINATING CO.
4141 ROCKSIDE ROAD SUITE 110
SEVEN HILLS, OHIO 44131
PHONE: (216) 250-9579

MEDIA ONE
7820 DIVISION DRIVE
MENTOR, OHIO 44060
PHONE: (440) 974-3401

AMERITECH
13630 LORAIN AVE. ROOM 400
CLEVELAND, OHIO 44111
PHONE: (216) 476-6142

LAKE COUNTY UTILITIES DEPT.
105 MAIN STREET
PAINESVILLE, OHIO 44077
PHONE: (440) 350-2645

THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN 48 HOURS, EXCLUDING SATURDAY, SUNDAYS AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO (2) DAYS AHEAD OF THE PLANNED CONSTRUCTION.

EXISTING WATER MAIN FACILITIES

THE CONSUMERS OHIO WATER COMPANY (COWC) SHALL BE RESPONSIBLE FOR ALL RELOCATIONS OF THEIR WATER MAIN FACILITIES REQUIRED, INCLUDING HYDRANT AND VALVE RELOCATIONS AND VALVE BOX ADJUSTMENT TO GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH COWC SO THAT COMPLETION OF HIS WORK IS NOT DELAYED BY THE COWC WORK. THE CONTRACTOR SHALL NOTIFY COWC AT LEAST 48 HOURS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THEIR SYSTEM.

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 THE 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 PROMSIONS FOR CONTINUED SERVICE HAVE BEEN APPROVED BY THE LOCAL FIRE AUTHORITY.

SUBSURFACE INVESTIGATIONS

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL. NO SUBSURFACE SOIL INVESTIGATIONS OR BORINGS WERE PERFORMED FOR THIS PROJECT TO DATE.

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.

PROTECTION AND RESTORATION OF PROPERTY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY AND/OR PERSONS DURING THE PROSECUTION OF THE WORK, RESULTING FROM ANY ACT, OMISSION, NEGLIGENCE OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANY TIME DUE TO DEFECTIVE WORK OR MATERIALS, AND SAID RESPONSIBILITY WILL NOT BE RELEASED UNTIL THE PROJECT SHALL HAVE BEEN COMPLETED AND ACCEPTED.

DUST NUISANCE ORIGINATING FROM ANY OPERATIONS EITHER INSIDE OR OUTSIDE THE RIGHT-OF-WAY SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH LOCAL ORDINANCES AND REGULATIONS AT THE SOLE EXPENSE OF THE CONTRACTOR.

WHEN OR WHERE ANY DIRECT OR INDIRECT DAMAGE OR INJURY IS DONE TO PUBLIC OR PRIVATE PROPERTY BY OR ON ACCOUNT OF ANY ACT, OMISSION, NEGLIGENCE OR MISCONDUCT IN THE EXECUTION OF THE WORK, OR IN CONSEQUENCE OF THE NONEXECUTION THEREOF BY THE CONTRACTOR, HE SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE BY REPAIRING, REBUILDING OR OTHERWISE RESTORING AS MAY BE DIRECTED, OR SHALL MAKE GOOD SUCH DAMAGE OR INJURY IN AN ACCEPTABLE MANNER.

WHEN MAIL BOXES, ROAD OR STREET NAME SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION TO AND AS DIRECTED BY THE ENGINEER. AFTER COMPLETION OF THE CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL ERECT THE MAIL BOXES, ROAD OR STREET NAME SIGNS AND SUPPORTS IN THEIR ORIGINAL LOCATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING AND GRUBBING.

REMOVAL ITEMS

ALL ITEMS NOTED ON THE PLANS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

EXISTING AND PROPOSED SANITARY SEWER FACILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATING, ADJUSTMENTS OR ADDITIONS TO THE EXISTING SANITARY SEWER FACILITIES AS CALLED FOR ON THE PLANS, INCLUDING ALL COSTS ASSOCIATED WITH INSPECTION OF SANITARY SEWER FACILITIES. THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY UTILITIES DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEM.

ALL SANITARY SEWER AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES, STANDARDS AND SPECIFICATIONS OF THE LAKE COUNTY UTILITIES DEPARTMENT AND SHALL BE REVIEWED, TESTED AND APPROVED BY THE LAKE COUNTY UTILITIES DEPARTMENT.

ANY WORK DONE TO THE SANITARY SEWER SYSTEM MUST BE DONE BY A CONTRACTOR LICENSED BY THE LAKE COUNTY UTILITIES DEPARTMENT.

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO OR TO CROSS EITHER OVER OR UNDER AN EXISTING PIPE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE, BOTH AS TO LINE AND GRADE, AND ADJUST LINE AND/OR GRADE AS NECESSARY BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM.

DRIVEWAY, SIDEWALK AND ROADWAY PAVEMENT REPLACEMENT

ALL PAVEMENT REPLACEMENT SHOULD BE CONDUCTED UNDER SUITABLE WEATHER CONDITIONS. THE ENGINEER SHOULD BE NOTIFIED IN ADVANCE OF ANY PROPOSED PAVEMENT REPLACEMENT TO DETERMINE THE SUITABILITY OF WEATHER CONDITIONS FOR PAVEMENT REPLACEMENT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL ROADWAYS AND DRIVES PRIOR TO FINAL REPAIR. THE COST OF ANY TEMPORARY SURFACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE ITEM OF WORK.

PROOF ROLLING PRIOR TO REPLACING PAVEMENT AND DRIVEWAYS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A MINIMUM OF TWO (2) PROOF ROLLINGS, AS DIRECTED BY THE ENGINEER, PRIOR TO PAVING. THE FIRST PROOF ROLLING SHALL BE PERFORMED AFTER THE INSTALLATION OF THE UNDERGROUND IMPROVEMENTS AND ROUGH GRADING HAS BEEN COMPLETED. AFTER FINE GRADING, JUST PRIOR TO PAVING, THE SUBGRADE SHALL BE PROOF ROLLED AGAIN.

MOISTURE CONTENT OF THE SUBGRADE AT THE TIME OF PROOF ROLLING SHALL CONFORM TO SECTION 203.11 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS, 1995 EDITION.

WHERE THIS OPERATION SHOWS THE SUBGRADE TO BE UNSTABLE OR TO HAVE NON-UNIFORM STABILITY, THE CONTRACTOR SHALL CORRECT THE UNSTABLE AREAS AS DIRECTED BY THE ENGINEER. PAYMENT IS IN ACCORDANCE WITH 203.13(C).

PROOF ROLLING EQUIPMENT SHALL CONSIST OF A SINGLE UNIT, TANDEM AXLE DUMP TRUCK CAPABLE OF BEING LOADED TO 30,000 POUND AXLE LOAD, 60,000 POUNDS GW. TIRE PRESSURE SHALL BE MAINTAINED AT 90 PSI. LOADING, AS DIRECTED BY THE ENGINEER, SHALL BE VERIFIED BY A CERTIFIED WEIGHT SLIP. THE EQUIPMENT SHALL BE OPERATED AT A SPEED NOT GREATER THAN FIVE (5) MPH NOR LESS THAN TWO (2) MPH. MAXIMUM SPACING BETWEEN PASSES SHALL NOT EXCEED SIX (6) FEET.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE (1) SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND THE EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH OPEN AT ANY ONE (1) TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER. TRENCH EXCAVATIONS SHALL NOT REMAIN OPEN IN EXCESS OF 48 HOURS. TRENCHES LEFT OPEN IN EXCESS OF 48 HOURS SHALL BE BACKFILLED WITH STONE AT THE DIRECTION OF THE ENGINEER AND SHALL NOT RESULT IN ANY ADDITIONAL COSTS TO THE OWNER.

TRENCH CLOSING

THE BASE WIDENING ON THIS PROJECT WILL BE COMPLETED TO A DEPTH OF TWO (2) INCHES BELOW THE EXISTING PAVEMENT BY THE END OF THE WORK DAY, EXCEPT FOR A SHORT LENGTH OF A WORK SECTION (5 FEET OR LESS) AT THE END OF THE TRENCH. NO TRENCH WILL BE LEFT OPEN DURING THE DAY. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING WILL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

MATERIAL SPECIFICATIONS

MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE APPROVING AGENCIES AND THE CONSULTING ENGINEER.

THE CONTRACTOR SHALL INCLUDE THE COST OF GRANULAR BACKFILL MATERIAL UNDER ALL EXISTING AND PROPOSED PAVEMENTS IN THE PRICE BID PER LINEAR FOOT OF PIPE.

SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.

STORM SEWER PIPING LESS THAN 12" IN DIAMETER MAY BE EITHER V.C.P., C-700, E.S. PIPE OR ASTM 3034 -SDR 35 P.V.C. PIPE.

STORM SEWER PIPING 12" TO 15" IN DIAMETER SHALL BE R.C.P., C-76, CLASS IV PIPE.

STORM SEWER PIPING 18" IN DIAMETER OR GREATER SHALL BE R.C.P., C-76, CLASS III PIPE.

VIDEOTAPING

THE CITY OF MENTOR WILL PROVIDE ABOVE GROUND VIDEOTAPING OF ALL WORK AREAS PRIOR TO THE BEGINNING OF THE WORK. THE CONTRACTOR SHALL NOT START WORK UNTIL SUCH TIME AS THE ENGINEER HAS ADVISED THAT THE VIDEOTAPING IS COMPLETE.

THE STORM SEWERS SHALL BE TELEVISED BY THE CONTRACTOR IN A MANNER APPROVED BY THE MENTOR CITY ENGINEER AND SUBMITTED PRIOR TO ACCEPTANCE. A COPY OF THE VIDEOTAPE (1/2" VHS) SHALL BE PROVIDED TO THE CITY OF MENTOR.

THE TELEVISION INSPECTION SHALL BE PERFORMED TO MEET AS A MINIMUM, THE FOLLOWING REQUIREMENTS:

- 1. PRINTED LOCATION RECORDS (LOGS) SHALL BE KEPT TO INDICATE THE LOCATIONS OF LATERALS, BROKEN PIPES, MORTAR OBSTRUCTIONS AND OTHER UNUSUAL CONDITIONS.
- 2. NO VIDEO WILL BE ACCEPTED IF THE STORM SEWER OUTLET IS UNDER WATER.
- 3. ALL STORM SYSTEM WILL BE CLEAN PRIOR TO TAPING THE VIDEO TO BE SUBMITTED TO THE CITY.
- 4. ALL STORM SYSTEM STRUCTURES I.E. MANHOLES, YARD DRAINS, ETC. SHALL BE PART OF THE VIDEO.
- 5. THE VIDEO COMPANY SHALL PROVIDE AUDIO EVALUATION OF DAMAGE OR OTHER UNUSUAL CONDITIONS ENCOUNTERED.

THE CONTRACTOR SHALL CONTACT THE CITY OF MENTOR ENGINEER FOR ANY QUESTIONS CONCERNING VIDEOTAPING REQUIREMENTS.

PROTECTION OF TREES

TREE PROTECTION MEASURES SHALL BE INSTALLED AS SPECIFIED PRIOR TO THE START OF CONSTRUCTION.

SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGE TO TREES AND THEIR ROOT SYSTEMS WHICH ARE NOT CALLED FOR REMOVAL. IN GENERAL, WHERE THE LINE OF TRENCH FALLS WITHIN THE LIMITS OF THE LIMB SPREAD, THE LEAVING OF HEADERS ACROSS THE TRENCH TO PROTECT ROOTS WILL BE REQUIRED. THE OPERATION OF ALL EQUIPMENT, PARTICULARLY WHEN EMPLOYING BOOMS, SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT INJURE TREES, TRUNKS, BRANCHES OR THEIR ROOTS UNLESS SUCH TREES ARE DESIGNATED FOR REMOVAL. THE STORAGE OF MATERIALS, AND THE DEPOSITION OF EXCAVATION SHALL BE PROHIBITED WITHIN THE TREE CANOPY OF ANY TREE TO BE SAVED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A QUALIFIED TREE SERVICE TO TRIM TREE BRANCHES AND DAMAGED ROOTS (1/4" DIAMETER OR LARGER) AND TO PAINT ALL CUTS OR WOUNDS TO THE TREE WITH APPROVED TREE WOUND DRESSING. THE TREE SERVICE SHALL BE ON THE JOB SITE AT ALL TIMES WHEN EXCAVATION AND BACKFILLING OPERATIONS ARE TAKING PLACE WITHIN THE LIMITS OF THE LIMB SPREAD OF ALL TREES TO BE SAVED. SHOULD THE CONTRACTOR'S OPERATIONS DAMAGE ANY TREE TO SUCH AN EXTENT THAT IT, IN THE OPINION OF THE TREE SERVICE, WILL NOT LIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REMOVING THE TREE AND ALL PAYMENTS TO THE PROPERTY OWNER FOR THE VALUE OF THE REMOVED TREE, AS DETERMINED BY AN ARBORIST MUTUALLY AGREED UPON BY THE CITY OF MENTOR AND THE CONTRACTOR.

PLACEMENT OF TREE PROTECTIVE BARRIERS

PRIOR TO CONSTRUCTION, TREE PROTECTIVE BARRIERS SHALL BE PLACED AROUND ALL TREES TO BE PRESERVED AND ANY OTHER VEGETATION LOCATED NEAR CONSTRUCTION ACTIVITY WHICH IS TO BE SAVED. THESE BARRIERS WILL BE LOCATED JUST OUTSIDE OF THE TREE'S CANOPY.

PROTECTIVE BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND FINAL ACCEPTANCE HAS BEEN ISSUED BY THE CITY OF MENTOR.

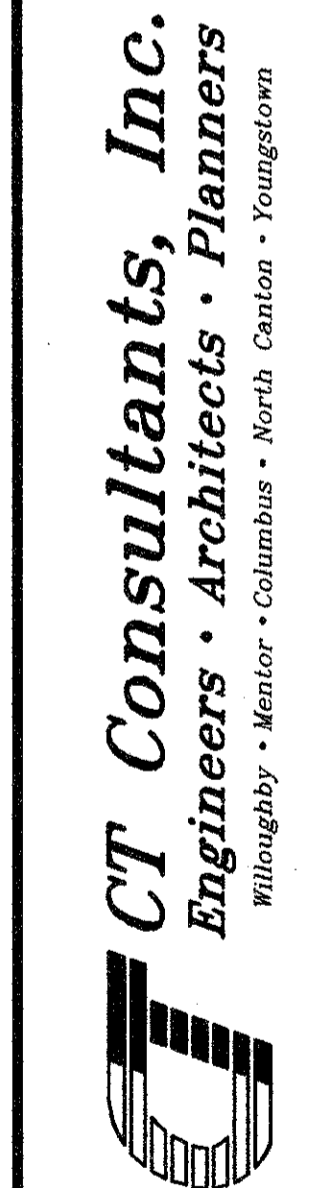
AREAS WITHIN THE PROTECTIVE BARRIERS SHALL BE FREE OF ALL BUILDING MATERIALS, DIRT, CHEMICALS (INCLUDING GAS, OIL AND CONTAMINATED WATER), CONSTRUCTION DEBRIS, VEHICLES, AND DEVELOPMENT ACTIVITIES.

NO DISTURBANCE SHALL OCCUR WITHIN THE PROTECTIVE AREA OF A TREE DESIGNATED TO BE PRESERVED.

SPECIFICATIONS OF TREE PROTECTIVE BARRIERS

TREE PROTECTIVE BARRIERS WILL BE FLORESCENT POLYETHYLENE LAMINAR SAFETY FENCING, MINIMUM FOUR (4) FEET IN HEIGHT OR A SECURELY INSTALLED POST AND RAIL WOODEN FENCE, MINIMUM FOUR (4) FEET IN HEIGHT WITH A MINIMUM TWO (2) INCH X FOUR (4) INCH RAIL. THE FENCE SHALL BE MADE HIGHLY VISIBLE WITH A FLORESCENT ORANGE OR YELLOW PAINT. SUCH BARRIERS SHALL REMAIN INTACT THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS, AND IF DISTURBED MUST BE RESTORED PRIOR TO THE END OF THE WORKING DAY.

CENTER STREET (STATE ROUTE 615)
ROADWAY IMPROVEMENTS
GENERAL NOTES



DATE:	APRIL 1999
DRAWN BY:	J.J.C.
CHECKED BY:	C.C.H.
APPROVED BY:	
SCALE:	HOR: 1" = 20'
VERT:	
CONTRACT NO.	98387
SHEET NO.	2
OF	103