

**DEPARTMENT OF WATER MANAGEMENT SEWER REQUIREMENTS
FOR "EXISTING FACILITIES PROTECTION"**

1. THE UTILITY COMPANY/GOVERNMENT AGENCY AND ITS CONTRACTORS ARE RESPONSIBLE FOR THE ADEQUATE PROTECTION OF THE EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES AND BENCH MONUMENTS DURING CONSTRUCTION OF NEW UTILITIES AND/OR ADJUSTMENT TO EXISTING UTILITIES AND THE USE OF HEAVY EQUIPMENT WITHIN THE LIMITS OF THE PROJECT.
2. IT IS THE RESPONSIBILITY OF THE UTILITY COMPANY/GOVERNMENT AGENCY AND ITS CONSULTANTS/CONTRACTORS TO OBTAIN THE NECESSARY BACKGROUND INFORMATION FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT IN MEETING THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT REQUIREMENTS FOR DESIGN DRAWINGS/ CONTRACT PLANS AND FOR EXISTING FACILITIES PROTECTION DURING THE CONSTRUCTION STAGE.

RECORDS FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT INCLUDE: EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES, BENCH MONUMENT LOCATIONS, ORDINANCE GRADES, AGE OF SEWER AND PIPE MATERIAL.

COPIES OF SEWER RECORDS CAN BE OBTAINED BY PAYMENT AT THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT, LOCATED AT 333 S. STATE STREET, SUITE 410, CHICAGO, ILLINOIS, 60604-3971.

3. A PERMIT IS REQUIRED FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT PRIOR TO THE CONSTRUCTION OF, OR REPAIRS TO, UNDERGROUND SEWERS, DRAIN CONNECTIONS OR SEWER STRUCTURES, INCLUDING THE ADJUSTMENT OF SEWER STRUCTURES AND REMOVAL/REPLACEMENT OF FRAMES AND LIDS. THE PERMIT MUST BE OBTAINED BY A DRAINLAYER CURRENTLY LICENSED FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT.
4. THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT MUST BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION, WITH THE NAME AND TELEPHONE OF THE RESIDENT ENGINEER WHO COULD BE CONTACTED FOR ANY SEWER EMERGENCY.
5. IN ORDER TO PROTECT CITY'S BENCH MONUMENTS, ALL BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE PROJECT MUST BE LISTED ON THE PLAN SHEETS. IF NOT FOUND OR DAMAGE TO THE BENCH MONUMENTS IS ENCOUNTERED, PLEASE CONTACT THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT IMMEDIATELY AT (312) 747-7893 OR (312) 747-8117.
6. IN THE RELOCATION OR CONSTRUCTION OF PRIVATE OR PUBLIC UTILITIES, INCLUDING PIPE UNDERDRAINS AND/OR SUBDRAINS, THE UTILITY MUST BE LOCATED AS FAR AWAY AS POSSIBLE FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT FACILITIES.

A MINIMUM DISTANCE OF THE OUTSIDE DIAMETER OF SEWER (O.D.) PLUS FOUR (4) FEET MUST BE MAINTAINED BETWEEN THE SEWER AND THE UTILITY CENTER LINES. IF THE OUTSIDE DIAMETER/WIDTH OF UTILITY CONDUIT IS MORE THAN THE SEWER O.D., A MINIMUM OF FOUR (4) FEET HORIZONTAL CLEARANCE MUST BE OBTAINED FROM THE OUTSIDE FACE TO OUTSIDE FACE. FOUR (4) FEET HORIZONTAL CLEARANCE IS ALSO REQUIRED FROM ALL SEWER STRUCTURES. A MINIMUM OF TEN (10) FEET HORIZONTAL CLEARANCE AND EIGHTEEN (18) INCHES VERTICAL CLEARANCE IS DESIRABLE BETWEEN THE SEWER AND A WATER MAIN.
7. MANHOLES, CATCH BASINS AND INLETS MUST BE PROTECTED FROM THE ENTRY OF ASPHALT/ DEBRIS INTO THE SEWER SYSTEM DURING CONSTRUCTION. THE CONTRACTOR MUST MARK LOCATIONS OF ALL SEWER STRUCTURES ON THE SIDEWALK BEFORE STARTING PAVEMENT REMOVAL/REPLACEMENT. ADJUSTMENT OF FRAMES AND LIDS OF SEWER STRUCTURES MUST BE COMPLETED PRIOR TO STREET RESURFACING.
8. NO TREES OR BALLARDS OR PERMANENT STRUCTURES ARE ALLOWED OVER THE EXISTING SEWERS AND SEWER STRUCTURES LOCATED WITHIN THE PUBLIC RIGHT-OF-WAY. THE MINIMUM CLEARANCE BETWEEN THE OUTSIDE OF THE SEWER/STRUCTURE AND THE CENTER OF TREES SHOULD BE FIFTEEN (15) TO TWENTY (20) FEET DEPENDING ON THE SIZE OF THE SEWER.
9. FOR THE FOLLOWING CASES, THE CONTRACTOR IS REQUIRED TO CONDUCT A PRE-CONSTRUCTION VIDEOTAPE INSPECTION PRIOR TO THE ISSUANCE OF A SEWER PERMIT AND A POST-CONSTRUCTION VIDEOTAPE INSPECTION PRIOR TO ACCEPTANCE OF THE SEWER. THE VIDEOTAPE MUST BE SUBMITTED TO THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT FOR REVIEW AND APPROVAL.
 - STREET CONSTRUCTION/RECONSTRUCTION PROJECTS
 - VIADUCT CLEARANCE IMPROVEMENTS
 - PILING/CASSION INSTALLATIONS

10. THE UTILITY COMPANY/GOVERNMENT AGENCY OR ITS REPRESENTING CONTRACTOR MUST MAINTAIN ACCESS TO THE EXISTING SEWER FACILITIES INCLUDING SEWER STRUCTURES AT ALL TIMES AND COORDINATE THE PROPOSED IMPROVEMENTS WITH THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT ENGINEER/INSPECTOR TO AVOID ANY INTERRUPTION OF THE SEWER FACILITIES MAINTENANCE OR SERVICES. THE SEWER FLOW HAS TO BE MAINTAINED AT ALL TIMES.

11. FOR STREET RECONSTRUCTION, ALL NON-CONCRETE CATCH BASINS ARE TO BE REPLACED, IRRESPECTIVE OF THEIR CONDITION, WITH NEW SEWER UNITS OF THE DEPARTMENT OF WATER MANAGEMENT STANDARD CATCH BASINS. THE ONLY EXCEPTION IS CONCRETE CATCH BASINS THAT ARE IN GOOD CONDITION.

FOR OTHER STREET RESTORATION PROJECTS, THE UTILITY COMPANY/GOVERNMENT AGENCY OR ITS REPRESENTING CONTRACTOR MUST COORDINATE WITH THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT TO ARRANGE FOR THE INSPECTION OF THE EXISTING CATCH BASINS. THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT WILL DETERMINE THE NEED FOR CATCH BASIN REPAIR, REPLACEMENT OR CLEANING.

12. IN ARTERIAL STREETS, PERFORATED LIDS MUST BE PLACED ON ALL SEWER STRUCTURES UNLESS OTHERWISE APPROVED BY THE COMMISSIONER. IN RESIDENTIAL STREETS, MANHOLES MAY REQUIRE CLOSED LIDS. CHECK WITH SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT INSPECTOR.
13. EXISTING SEWERS TO BE ABANDONED MUST BE REMOVED OR FILLED WITH GROUT AND SO NOTED ON THE PLANS. SEWERS LARGER THAN 18" MUST BE FILLED WITH GROUT (SMALLER THAN 2'-0" DIAMETER ARE CLOSED WITH A PLUG WHILE 2'-0" DIAMETER AND LARGER ARE CLOSED WITH A BULKHEAD). WITHIN THE CENTRAL BUSINESS DISTRICT, ALL ABANDONED SEWERS MUST BE GROUTED. FLOWABLE FILL MUST BE USED INSTEAD OF GROUT, WHENEVER POSSIBLE.
14. THE FOLLOWING REQUIREMENTS MUST BE FOLLOWED IN THE DESIGN OF NEW SEWERS AND SEWER STRUCTURES:
 - MATERIALS USED FOR SEWER CONSTRUCTION WILL BE EITHER REINFORCED CONCRETE (TYPE III OR BETTER), OR VITRIFIED CLAY PIPE OR DUCTILE IRON PIPE.
 - CATCH BASINS LOCATED NEAR INTERSECTIONS MUST BE RELOCATED ABOUT TEN (10) FEET FROM THE PROPERTY LINE FOR PARTIAL STREET RESTORATION OR TWENTY FIVE (25) FEET FROM THE PROPERTY LINE FOR FULL STREET RESTORATION TO PREVENT CONFLICTS WITH PEDESTRIAN WALKWAYS AND HANDICAPPED RAMPS. RELOCATIONS ARE NOT RECOMMENDED IF IT RESULTS IN INCREASING THE NUMBER OF EXISTING CATCH BASINS.
 - NORMALLY 3 PAIRS OF CATCH BASINS ARE USED FOR 600 - FOOT BLOCKS AND 1 TO 2 PAIRS ARE USED FOR 300 - FOOT BLOCKS.
 - WHEREVER FEASIBLE, ANY DEAD-END SEWERS IN STREETS CROSSING A PROPOSED SEWER ROUTE WILL BE EXTENDED WITH AN OVERFLOW CONNECTION MADE TO THE NEW SEWER SUBJECT TO APPROVAL BY THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT.
 - IN VIADUCTS AREAS OR STREETS WITH:
 - 1) LESS THAN OR EQUAL TO THREE (3) FEET OF COVER, REPLACE ALL SEWERS THREE (3) FEET IN DIAMETER OR SMALLER WITH CLASS 52 DUCTILE IRON PIPE.
 - 2) LESS THAN OR EQUAL TO FIVE (5) FEET OF COVER, REPLACE ALL SEWERS FIVE (5) FEET IN DIAMETER OR SMALLER WITH CLASS 52 DUCTILE IRON PIPE OR RCP, CLASS V, AND
 - 3) MORE THAN FIVE (5) FEET OF COVER, VIDEOTAPE ALL SEWERS LARGER THAN FIVE (5) FEET IN DIAMETER WITH RECOMMENDATIONS FROM THE DESIGNER FOR REPLACEMENT, LINING OR OTHER REHABILITATION.
15. THE MINUTES OF THE PRE-CONSTRUCTION MEETING MUST STATE THAT A LIST OF THE "DEPARTMENT OF WATER MANAGEMENT SEWER UNIT REQUIREMENTS FOR EXISTING FACILITIES OF PROTECTION" WAS PROVIDED TO THE RESIDENT ENGINEER AND THE CONTRACTOR FOR COMPLIANCE.
16. THE PROJECT PLANS AND/OR SPECIFICATIONS MUST INCLUDE THE FOLLOWING NOTES:

PRIOR TO START OF CONSTRUCTION, A PERMIT IS REQUIRED FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT FOR ANY UNDERGROUND SEWER WORK INCLUDING ADJUSTMENT OF SEWER STRUCTURES AND REMOVAL/REPLACEMENT OF FRAMES AND LIDS. PERMIT MUST BE OBTAINED BY DRAINLAYER CURRENTLY LICENSED FROM THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT.

THE CONTRACTOR IS RESPONSIBLE FOR THE ADEQUATE PROTECTION OF THE EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES, AND BENCH MONUMENTS DURING CONSTRUCTION OPERATIONS AND USE OF HEAVY EQUIPMENT IN THE LIMITS OF THE PROJECT.

THE CONTRACTOR MUST LOCATE AND PROMPTLY AND PROPERLY CONNECT TO THE NEW SEWERS ALL LIVE HOUSE DRAINS, CATCH BASIN DRAINS AND OTHER EXISTING LATERALS, DRAINS AND SEWERS, OF WHATEVER NATURE, WHICH ARE CONNECTED TO THE EXISTING SEWERS BEING REPAIRED OR REPLACED.

EXISTING CATCH BASIN LATERALS TO BE REUSED MUST BE RODDED AND FLUSHED IN THE PRESENCE OF THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT INSPECTOR. A NEW CONNECTION TO THE MAIN SEWER IS REQUIRED IF THE EXISTING CATCH BASIN LATERAL IS NOT APPROVED BY THE SEWER INSPECTOR.

WHEN A SEWER STRUCTURE IS ABANDONED, ALL PIPE OPENINGS MUST BE PLUGGED, STRUCTURES FILLED WITH TRENCH BACK-FILL, LIDS AND FRAMES REMOVED AND SURFACE RESTORED AS PER THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT STANDARDS AND SPECIFICATIONS.

THE CONTRACTOR IS REQUIRED TO REPLACE ANY BROKEN FRAMES AND LIDS OF SEWER STRUCTURES WITH THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF SEWER STRUCTURES, ANY NONSTANDARD FRAMES AND LIDS MUST BE REPLACED WITH STANDARD FRAMES AND LIDS. IN ADJUSTMENT OR RECONSTRUCTION OF INLETS, ANY NON-STANDARD INLETS (GUTTER BOXES) MUST BE REPLACED WITH THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT STANDARD INLETS.

THE FRAMES AND LIDS OF SEWER STRUCTURES TO BE ABANDONED, REMOVED, OR FILLED MUST BE SALVAGED AND THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT NOTIFIED FOR PICK UP.

IN LOCATIONS WHERE THE MAIN SEWER IS NOT BEING REPLACED AND THE EXISTING DRAINAGE FACILITIES ARE DISTURBED OR DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES AT HIS/HER EXPENSE TO THE SATISFACTION OF THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT.

IN CASE OF ANY DAMAGE TO THE CITY'S SEWER SYSTEM, PRIVATE AND PUBLIC DRAIN CONNECTIONS, AND/OR BENCH MONUMENTS, THE CONTRACTOR MUST CONTACT THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT IMMEDIATELY AT PHONE NUMBER (312) 747-8117 OR (312) 747-7893. THE CONTRACTOR MUST, AT HIS/HER COST, REPLACE THE AFFECTED SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES AND/OR BENCH MONUMENTS AS NECESSARY. THE SEWER FLOW MUST BE MAINTAINED AT ALL TIMES.

ON WORK COMPLETION, THE CONTRACTOR MUST PROVIDE THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT, FOR REVIEW AND ACCEPTANCE, A VIDEOTAPE OF THE SEWER MAINS.

AS-BUILT PLANS MUST BE SUBMITTED SOON AFTER WORK COMPLETION. FINAL PAYMENT WILL NOT BE MADE TO THE CONTRACTOR UNTIL THE SEWER UNIT OF THE DEPARTMENT OF WATER MANAGEMENT ACKNOWLEDGES RECEIPT OF "AS-BUILT PLANS."

PLATING OF DRAINAGE STRUCTURES TO DO ADJUSTMENT OF STRUCTURES (SPECIAL) WITHIN THE CITY OF CHICAGO SHALL NOT BE PERMITTED. FLOW SHALL BE MAINTAINED AT ALL TIMES. ASPHALT TO BE PLACED AND FEATHERED AROUND THE STRUCTURE AT A 3:1 SLOPE TO MINIMIZE BLUNT END OF FRAMES. THE COST TO BE INCLUDED IN THE STRUCTURE ADJUSTMENT PAY ITEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
31st STREET

GENERAL NOTES

SCALE: N.T.S. DRAWN BY CJO
DATE APRIL 8, 2008 CHECKED BY MJE