

DEPARTMENT OF WATER MANAGEMENT GENERAL NOTES

1. LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES WITH THE UTILITY OWNERS PRIOR TO DOING ANY WORK IN THE VICINITY. THE CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF UTILITY OWNERS REGARDING NOTICE OF WORK AND PROTECTION OF UTILITIES. THE CONTRACTOR MUST COMPLY WITH THE CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION DAMAGE PREVENTION PROTOCOL, CITY INFRASTRUCTURE DEPARTMENTS. ALL UTILITIES MUST BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION. (CALL DIVERS 312-744-7000).
3. APPROXIMATE LOCATIONS OF THE EXISTING UTILITIES CROSSING THE PROPOSED 24-INCH WATER MAIN ARE SHOWN IN PROFILES. TEST PITS MUST BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE DEPARTMENT OF WATER MANAGEMENT. ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION. THE DEPTH OF THE PROPOSED WATER MAIN WILL BE ADJUSTED TO SUITE THE FIELD CONDITION. A MINIMUM OF 4-INCH COVER IS REQUIRED FOR 24-INCH WATER MAIN.
4. IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND MUST REMAIN IN PLACE, THE CONTRACTOR MUST PROTECT SAID UTILITY IN CONFORMANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY THE COMMISSIONER.
5. THE CONTRACTOR MUST INSTALL AN APPROVED GEOTEXTILE MATERIAL UNDER SEWER INLET, CATCHER BASIN AND MANHOLE COVERS TO PROHIBIT BACKFILL MATERIAL FROM ENTERING STRUCTURES, BUT PERMIT DRAINAGE WHICH IS INCIDENTAL TO WATER MAIN INSTALLATION. THE GEOTEXTILE MATERIAL IS TO BE MAINTAINED UNTIL RESTORATION IS COMPLETED. AFTER RESTORATION IS COMPLETED, THE CONTRACTOR MUST REMOVE THE GEOTEXTILE FABRIC.
6. FITTINGS AND THEIR LOCATIONS INDICATED ON THE DRAWINGS ARE TENTATIVE. THE CONTRACTOR MUST COMPLETE THE INSTALLATION WITH THE NECESSARY FITTINGS DICTATED BY FIELD CONDITIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR DEVIATIONS FROM THE INDICATED FITTINGS.
7. WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM IS CONSIDERED INCLUDED WITH THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. WATER MAINS AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE COMMISSIONER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE COMMISSIONER.
9. THE CONTRACTOR MUST PROVIDE THRUST RESTRAINTS IN ACCORDANCE WITH THE SPECIFICATIONS.
10. THE CONTRACTOR MUST VERIFY THE OPERATION OF EVERY VALVE NECESSARY FOR THE REQUIRED WATER MAIN SHUT DOWN FOR EACH PIPE SECTION. FOR VALVES OR WATER MAINS UNDER 16-INCHES IN DIAMETER, THE WORK MUST BE DONE UNDER THE DIRECT SUPERVISION OF A DEPARTMENT REPRESENTATIVE AT LEAST 2 WEEKS PRIOR TO THE START OF THE JOB. A 24 HOUR ADVANCE NOTICE MUST BE GIVEN TO ALL CONSUMERS AFFECTED AND THE BUREAU OF WATER DISTRIBUTION. THE OPERATION OF ALL VALVES 16-INCHES IN DIAMETER AND LARGER MUST BE PERFORMED BY CITY FORCES PURSUANT TO A 72 HOUR ADVANCE NOTIFICATION TO THE DEPARTMENT. ANY VALVE FOUND NOT OPERABLE WILL BE REPAIRED OR REPLACED BY THE DEPARTMENT UNLESS DIRECTED OTHERWISE BY THE COMMISSIONER.
11. IN INSTANCES WHERE OILORINATION IS TO BE DONE AGAINST ANY EXISTING VALVE AND THE TIME THAT THE EXISTING PIPE IS BROKEN FOR FINAL CONNECTION, THE CONTRACTOR IS TO VERIFY THAT THE EXISTING VALVES ARE IN GOOD OPERATING CONDITION AND DO NOT LEAK. ANY LEAKING VALVE SHOULD BE BROUGHT TO THE COMMISSIONER'S ATTENTION AND BE REPAIRED OR REPLACED PRIOR TO MAKING PIPE CONNECTIONS TO THE EXISTING WATER MAIN. THE VALVE SHOULD REMAIN IN THE CLOSED POSITION UNTIL THE NEW WATER MAIN IS APPROVED FOR SERVICE.
12. ALL OPENINGS IN EXISTING WATER MAIN SHALL BE PLUGGED OR CAPPED WITH DUCTILE IRON FITTING UNTIL THE MAIN IS ABANDONED.
13. ALL VALVE BASINS MUST BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE UNLESS DIRECTED OTHERWISE BY THE COMMISSIONER.
14. NOTES INDICATING S.N.L., E.N.L., ETC., MEAN SOUTH OF THE NORTH PROPERTY LINE, EAST OF THE WEST PROPERTY LINE, ARE MEASURED FROM THE NEAREST STREET.
15. IF STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE, A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.
16. CAUTION SHOULD BE EXERCISED WHEN EXCAVATING IN THE STREETS CONTAINING BURIED STREET CAR TRACKS. BURIED TRACKS AND CABLES MAY BE USED FOR ELECTRICAL GROUNDING BY THE CHICAGO TRANSIT AUTHORITY OR MEMBERS OF THE CHICAGO AREA JOINT ELECTROLYSIS COMMITTEE STANDARDS. ELECTRICAL CONDUCTIVITY MUST BE MAINTAINED.
17. HOUSE DRAINS ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR MUST LOCATE ALL HOUSE DRAINS WITHIN THE AREA OF EXCAVATION AND MAKE ADJUSTMENTS AND/OR REPAIRS.
18. THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT WILL PROVIDE THE NECESSARY I.I.R.J. WATER MAIN CONSTRUCTION PERMITS FOR THIS CONTRACT.
19. WORK WITHIN STATE ROUTES ARE NOTED ON THE DRAWINGS AND WILL REQUIRE I.D.O.T., DISTRICT 1, UTILITY PERMITS. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS INITIATED BY THE DEPARTMENT AND OBTAINING PERFORMANCE BONDS. ALL WORK MUST BE IN ACCORDANCE WITH I.D.O.T. PERMIT REQUIREMENTS. QUESTIONS SHOULD BE DIRECTED TO MR. DAVID KRUEGER, DISTRICT ONE UTILITIES COORDINATOR AT (647) 705-4258.
20. THE CONTRACTOR MUST SUBMIT FIVE (5) COPIES OF THE SHOP DRAWINGS FOR ALL WATER MAIN MATERIALS TO BE USED TO COMPLETE THIS WATER MAIN INSTALLATION TO THE DEPARTMENT OF WATER MANAGEMENT, BUREAU OF ENGINEERING SERVICES, JARDINE WATER PURIFICATION PLANT, 1000 E. CHID STREET, OFFICE 307, CHICAGO, ILLINOIS 60611, ATTENTION MATT COLVIN.
21. IT IS REQUIRED THAT THE CONTRACTOR NOTIFY MR. GEORGE PANAGES OF THE DEPARTMENT OF WATER MANAGEMENT AT (312) 742-5521 TWO (2) WEEKS PRIOR TO THE START OF THE WATER MAIN WORK. SO AN INSPECTOR CAN BE ASSIGNED TO SUPERVISE THE INSTALLATION. ALSO, THE CONTRACTOR SHALL SUBMIT AS BUILT DRAWINGS TO THIS DEPARTMENT WITHIN TWO (2) WEEKS OF COMPLETION OF THE WORK. THE AS BUILT DRAWINGS SHOULD BE SUBMITTED TO THE DEPARTMENT OF WATER MANAGEMENT, BUREAU OF ENGINEERING SERVICES, JARDINE WATER PURIFICATION PLANT, 1000 E. CHID STREET, ROOM 304, CHICAGO, ILLINOIS 60611. CONTRACT PLANS ARE PREPARED USING THE PROPOSED BASE LINE OF NORTH BOUND I-94. HOWEVER THE CONTRACTOR SHALL PREPARE THE AS-BUILT DRAWINGS, INDICATING DISTANCES FROM PROPERTY LINES ONLY TO SHOW THE LOCATIONS OF FITTINGS, VALVES AND HYDRANTS.
22. IT IS REQUIRED THAT THE CONTRACTOR OBTAIN A "B-PERMIT" PRIOR TO CONSTRUCTION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT, PLUMBING PERMIT AND PLAN SECTION, ROOM 900, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.
23. THESE CONTRACT DRAWINGS DO NOT SHOW THE PROPOSED RAMPS, RETAINING WALLS, SEWERS AND OTHER IMPROVEMENTS WHICH ARE BEING DESIGNED BY I.D.O.T. CONSULTANTS. CONTRACTOR SHALL COORDINATE WATER MAIN CONSTRUCTION WITH OTHER IMPROVEMENTS AS DIRECTED BY I.D.O.T.
24. CONTRACTOR TO NOTIFY UTILITY OWNERS TWO WEEKS IN ADVANCE, WHEN PROPOSED WATER MAIN CROSSES THE UTILITY AND SUPPORT IS REQUIRED FOR EXISTING UTILITY.
25. CONTRACTOR SHALL PROVIDE NECESSARY SHORING OF TRENCH WHEN PROPOSED WATER IS IN PROXIMITY OF EXISTING COME DUCT BANK OR GAS MAIN AND HE SHALL TAKE EXTREME PRECAUTION TO PROTECT THESE UTILITIES DURING TRENCH EXCAVATION.
26. WHEN THE PROPOSED WATER MAIN IS CROSSING THE EXISTING SEWER, 18" VERTICAL CLEARANCE IS REQUIRED. IF THIS CLEARANCE CAN NOT BE ACHIEVED, THE PROPOSED WATER MAIN MUST CROSS ABOVE AND CENTER OF WHOLE LENGTH OF PIPE OF THE PROPOSED WATER MAIN SHALL BE PLACED AT THE SEWER CROSSING.
26. CONTRACTOR SHALL INSTALL FULL LENGTH OF 24" PIPE ON BOTH SIDE OF 24"x 1/2" MJ BENDS.

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

24-INCH AND 8-INCH

WATER MAIN RELOCATIONS

FOR INCLUSION IN

PLANS FOR PROPOSED

FEDERAL AID HIGHWAY

F.A.I. ROUTE 94 (DAN RYAN EXPRESSWAY)

W. 71ST STREET TO I-57

SECTION: (1516.1-I-1)

I.D.O.T. CONTRACT NO. 62872

DAN RYAN CONTRACT NO. 17-D

WATER MAIN PLANS

Prepared By:

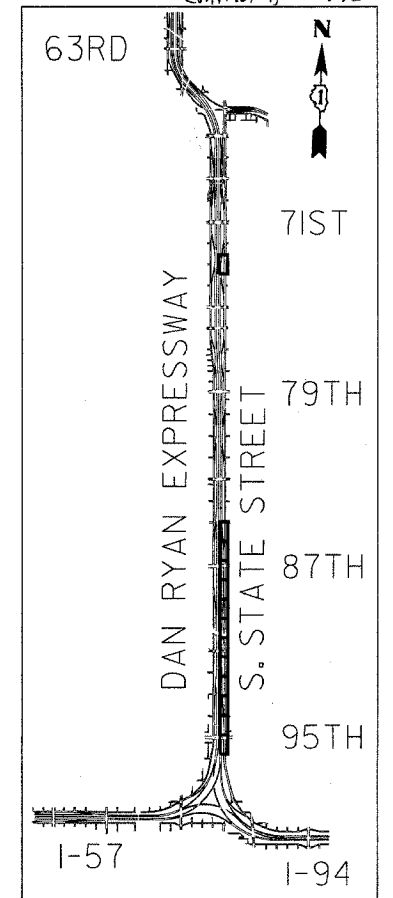
CITY OF CHICAGO

DEPARTMENT OF WATER MANAGEMENT

BUREAU OF ENGINEERING SERVICES

I-94 Section: 1516.1-I-1 Cook County  
pg. 124 out of 195

Contract # 62872



LOCATION MAP

DEPARTMENT OF WATER MANAGEMENT LEGEND AND SYMBOLS

- | EXISTING SYMBOLS                         | PROPOSED SYMBOLS                             |
|--|--|
| ⊙ EXISTING MANHOLE WITH WATER VALVE      | ■ PROPOSED VALVE                             |
| ⊗ EXISTING WATER VALVE BOX               | ⊓ PROPOSED WATER MAIN CAP OR PLUG            |
| ⊕ EXISTING WATER BUFFALO BOX             | ● PROPOSED TAP                               |
| ⊓ EXISTING WATER MAIN CAP OR PLUG        | ⊙ PROPOSED FIRE HYDRANT                      |
| ⊕ EXISTING WATER MAIN TAP                | ⊓⊓ PROPOSED TEE CONNECTION WITH NO REDUCERS  |
| ⊙ EXISTING FIRE HYDRANT                  | ⊓⊓ PROPOSED TEE CONNECTION WITH TWO REDUCERS |
| ⊙ EXISTING WATER MAIN BLOWOFF            | PROPOSED WATER MAIN SLEEVE                   |
| ⊓ EXISTING WATER METER                   | ⊓ PROPOSED 1/4 WATER MAIN BEND               |
| ⊓ EXISTING TAPPING CONNECTION            | ⊓ PROPOSED 1/8 WATER MAIN BEND               |
| ⊗ EXISTING FIRE CISTERN                  | ⊓ PROPOSED 1/16 WATER MAIN BEND              |
| ⊓ EXISTING WATER MAIN INSPECTION MANHOLE | ⊓ PROPOSED WATER MAIN TEE                    |
| ⊙ EXISTING WATER MAIN PITOMETER TAP      | ⊓ PROPOSED REDUCER                           |
| ⊓ EXISTING STAND PIPE                    | ⊓ PROPOSED THRUST RESTRAINT TYPE A           |
| ⊓ EXISTING WATER WEDGE VALVE             | ⊓ PROPOSED THRUST RESTRAINT TYPE B           |
| ⊓ EXISTING 1/4 WATER MAIN BEND           | ⊓ PROPOSED BUTTERFLY VALVE                   |
| ⊓ EXISTING 1/8 WATER MAIN BEND           |  |
| ⊓ EXISTING 1/16 WATER MAIN BEND          |  |
| ⊓ EXISTING WATER MAIN TEE                |  |
| ⊓ EXISTING WATER MAIN CROSS              |  |
| ⊓ EXISTING WATER MAIN REDUCER            |  |
| ⊓ EXISTING WATER MAIN BUTTERFLY VALVE    |  |
| ⊓ EXISTING FEEDER MAIN 45 DEGREE BEND    |  |
| ⊓ EXISTING SEWER                         |  |
| ⊓ EXISTING ELECTRICAL DUCT BANK          |  |
| ⊓ EXISTING GAS LINE                      |  |
| ⊓ EXISTING TELEPHONE DUCT BANK           |  |

D.I.R.J. PIPE DUCTILE IRON RESTRAINED JOINT PIPE

CHICAGO WATER PARTNERS DEPARTMENT OF WATER MANAGEMENT

APPROVED: *Michael J. Kelly*  
DEPUTY COMMISSIONER  
DEPARTMENT OF WATER MANAGEMENT

APPROVED: *Michael J. Kelly*  
PROFESSIONAL ENGINEER  
OF ILLINOIS

APPROVED: \_\_\_\_\_  
COORDINATING ENGINEER  
DEPARTMENT OF WATER

PROJECT MANAGER \_\_\_\_\_ DATE \_\_\_\_\_

INDEX OF DRAWINGS

DRAWING TITLE

DRAWING No.

COVER SHEET, GENERAL NOTES AND LEGEND	C-1
EXISTING UTILITIES PLAN, S. STATE STREET (FOR REFERENCE ONLY), NB I-94, STA. 2201+00 TO STA. 2207+00	C-2
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2207+00 TO STA. 2213+00	C-3
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2213+00 TO STA. 2219+00	C-4
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2219+00 TO STA. 2225+00	C-5
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2225+00 TO STA. 2231+00	C-6
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2231+00 TO STA. 2237+00	C-7
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2237+00 TO STA. 2243+00	C-8
PLAN AND PROFILE 24-INCH AND 8-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2243+00 TO STA. 2249+00	C-9
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2249+00 TO STA. 2255+00	C-10
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2255+00 TO STA. 2261+00	C-11
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2261+00 TO STA. 2267+00	C-12
PLAN AND PROFILE 24-INCH WATER MAIN RELOCATION, S. STATE STREET, NB I-94, STA. 2267+00 TO STA. 2273+00	C-13
PLAN RELOCATING 30-INCH X 8-INCH TAPPING CONNECTION IN S. STATE STREET AT E. 73RD STREET	C-14
WATER MAIN DETAILS, S. STATE STREET, E. 85TH STREET TO E. 95TH STREET	C-15
WATER MAIN DETAILS, S. STATE STREET, E. 85TH STREET TO E. 95TH STREET	C-16

C-1