

REMOVE HYDRANT
(EXISTING SURFACE GRADE +49.8±)
EXISTING 6" VALVE IS NOT STRAPPED
STRAP 6" VALVE TO TEE
H (7.0)
SHOE - 43.0±
FLANGE - 50.0
CURB - 49.6
B 6x22.50 (43.0)
STRAP HYDRANT TO 6" VALVE

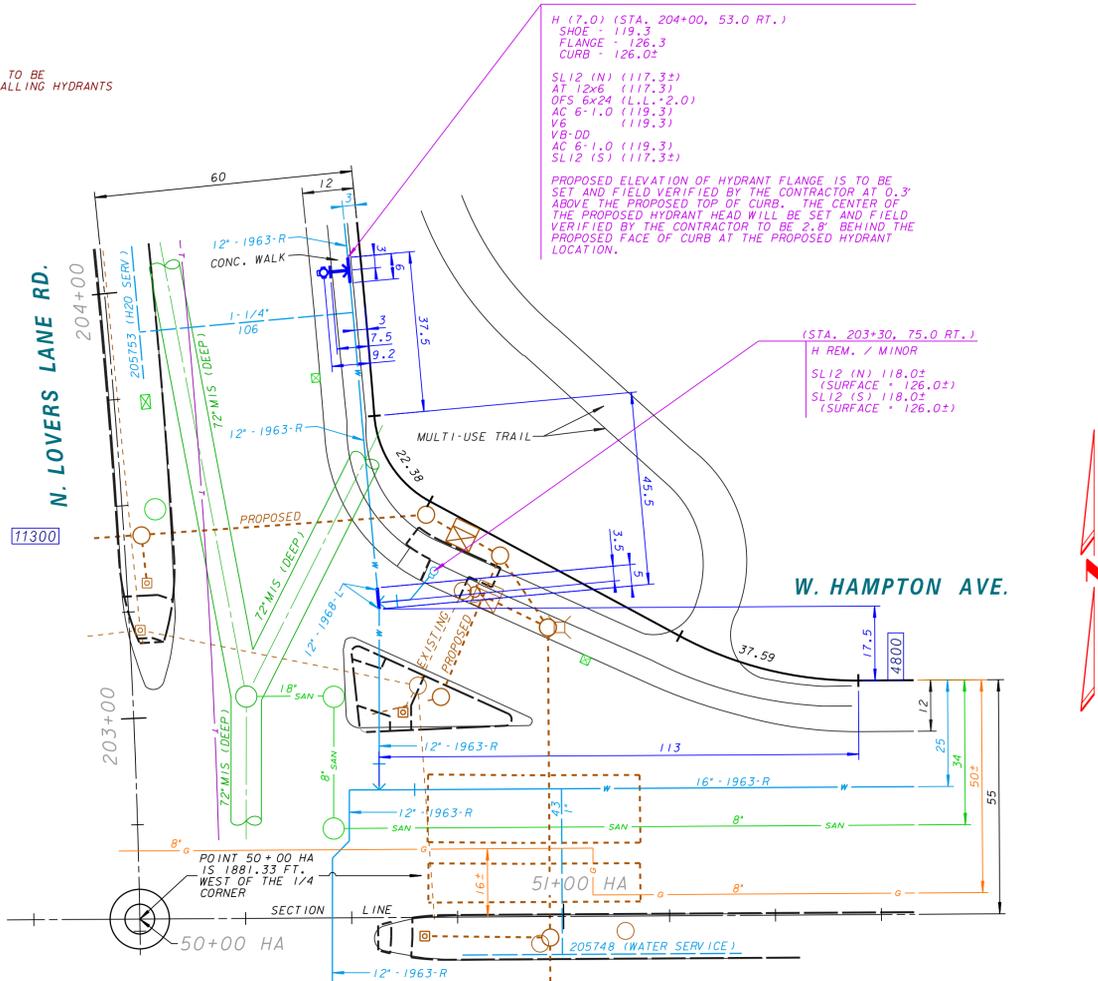
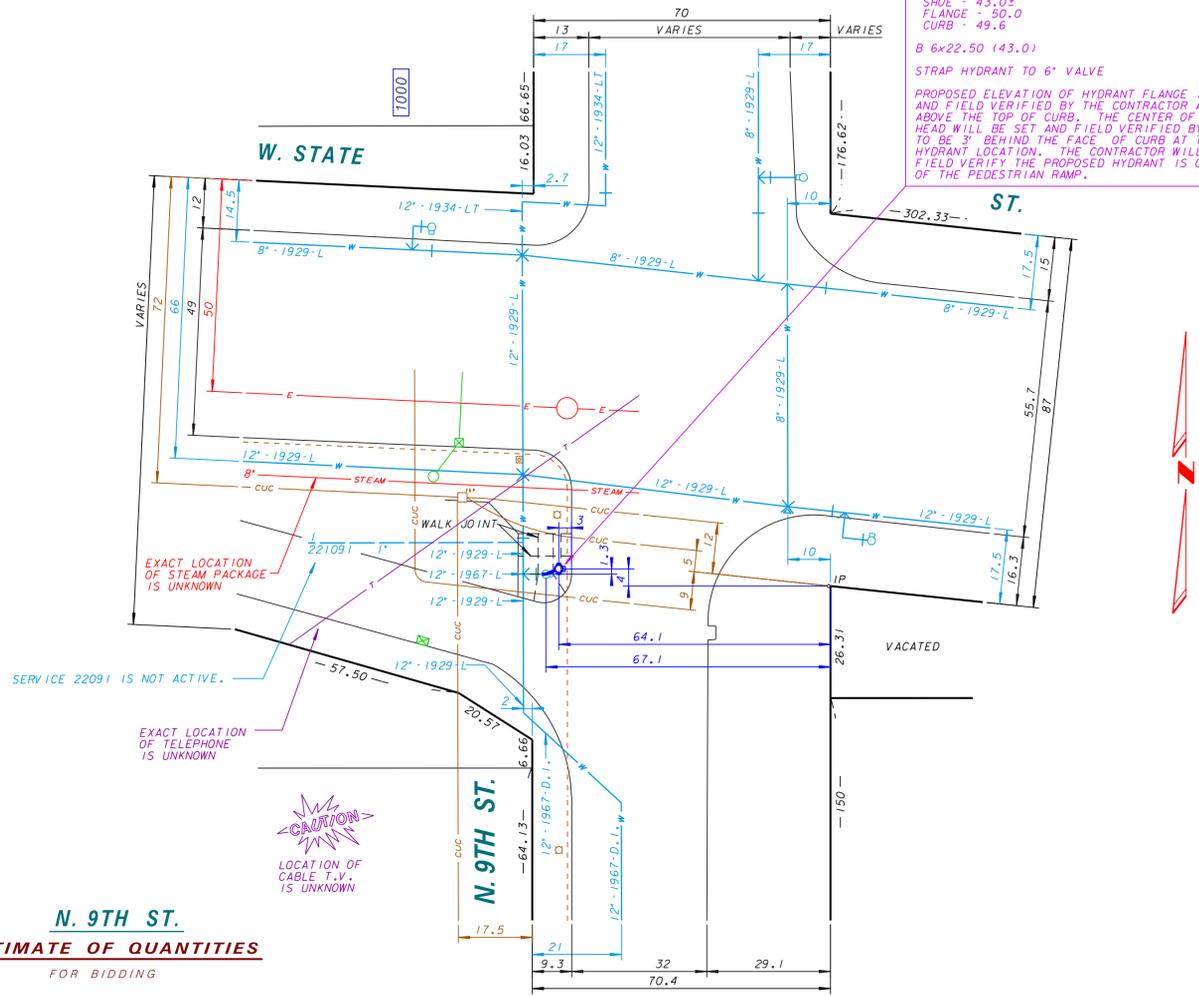
STRAPPING NOTE
ALL COSTS FOR STRAPPING EXISTING VALVES TO BE INCLUDED IN THE UNIT BID PRICE FOR INSTALLING HYDRANTS

PROPOSED ELEVATION OF HYDRANT FLANGE IS TO BE SET AND FIELD VERIFIED BY THE CONTRACTOR AT 0.3' (0.1') ABOVE THE TOP OF CURB. THE CENTER OF THE HYDRANT HEAD WILL BE SET AND FIELD VERIFIED BY THE CONTRACTOR TO BE 3' BEHIND THE FACE OF CURB AT THE PROPOSED HYDRANT LOCATION. THE CONTRACTOR WILL INSTALL AND FIELD VERIFY THE PROPOSED HYDRANT IS OUTSIDE THE LIMITS OF THE PEDESTRIAN RAMP.

H (7.0) (STA. 204+00, 53.0 RT.)
SHOE - 119.3
FLANGE - 126.3
CURB - 126.0±
SL12 (N) (117.3±)
AT 12x6 (117.3)
OFS 6x24 (L.L. +2.0)
AC 6-1.0 (119.3)
V6 (119.3)
VB-DD (119.3)
AC 6-1.0 (119.3)
SL12 (S) (117.3±)

PROPOSED ELEVATION OF HYDRANT FLANGE IS TO BE SET AND FIELD VERIFIED BY THE CONTRACTOR AT 0.3' ABOVE THE PROPOSED TOP OF CURB. THE CENTER OF THE PROPOSED HYDRANT HEAD WILL BE SET AND FIELD VERIFIED BY THE CONTRACTOR TO BE 2.8' BEHIND THE PROPOSED FACE OF CURB AT THE PROPOSED HYDRANT LOCATION.

(STA. 203+30, 75.0 RT.)
H REM. / MINOR
SL12 (N) 118.0±
(SURFACE + 126.0±)
SL12 (S) 118.0±
(SURFACE + 126.0±)



N. 9TH ST.
ESTIMATE OF QUANTITIES
FOR BIDDING

- FURNISH PIPE AND INSTALL
(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)
4 FT. - 6" HYDRANT BRANCH
- INSTALL
1 - HYDRANT
- CURB AND GUTTER
6 LIN. FT. - CONCRETE
- WALK
120 SQ. FT. - CONCRETE
- BARRICADES AND TRAFFIC CONTROL
LUMP SUM
- FINISHING OF ROADWAY
LUMP SUM
- FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL
LUMP SUM
- 12 CU. YDS. EXCESS EXCAVATED MATERIAL
- ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANTS
1 - HYDRANT

FOLLOWING IS A LIST OF THE FITTINGS SHOWN ON THIS CONSTRUCTION PLAN THAT WILL BE PROVIDED BY THE CITY.
1 - B6-22 1/2
1 - H (7.0)
BENCHMARK
HYD. - S.W. CORNER OF N. 9TH & W. STATE ST.
ELEV. 51.89

FOR START OF PLAN NOTES SEE S. WATER ST. PLAN FILE NO. 2014014.

TRAFFIC PROVISIONS
MAINTAIN TWO WAY TRAFFIC.
PAVEMENT MARKINGS MUST BE RETURNED TO ORIGINAL MATERIAL AND CONDITION.
PLEASE CONTACT TRAFFIC ENGINEERING AT 286-3632 FOR THE INSTALLATION OF TEMPORARY "NO PARKING" SIGNS OR IF THERE ARE ANY QUESTIONS CONCERNING THESE COMMENTS.
ANY PERSON WORKING IN THE PUBLIC WAY SHALL COMPLY WITH THE CITY OF MILWAUKEE, DEPARTMENT OF PUBLIC WORKS BOOKLET, "TRAFFIC CONTROL FOR CONSTRUCTION AND MAINTENANCE WORK" AND PART VI OF THE STATE OF WISCONSIN "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

STREET LIGHTING NOTE
STREET LIGHTING HAS PIPES AND CABLES CROSSING WITHIN THE PROJECT LIMITS. THESE PIPES AND CABLES SHALL BE SUPPORTED IF OPEN CUT TRENCHING IS USED. DAMAGES SHALL BE REPORTED TO THE STREET LIGHTING SHOP AT 414-286-3425.
IF THERE ARE ANY IMPACTS TO CITY OF MILWAUKEE STREET LIGHTING EQUIPMENT, THE CONTRACTOR SHALL CONTACT ENG. KIE LEE IN ENGINEERING AT 414-286-2174 FOR NECESSARY ALTERATIONS.

TRAFFIC SIGNAL NOTE
IF THERE ARE ANY IMPACTS TO CITY OF MILWAUKEE TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CONTACT SIGNAL ENGINEERING AT 414-286-5162 FOR NECESSARY ALTERATIONS. A FIVE WORKING DAY NOTICE IS REQUIRED. REPORT DAMAGE TO THE SIGNAL SHOP AT 414-286-3687.

N. LOVERS LN. RD.
ESTIMATE OF QUANTITIES
FOR BIDDING

- FURNISH PIPE AND INSTALL
(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)
11 FT. - 12" WATER MAIN
6 FT. - 6" HYDRANT BRANCH
- INSTALL
1 - HYDRANT
- REMOVE
1 - HYDRANT / MINOR
- PERMANENT PAVEMENT
10 SQ. YDS. - 3" ASPHALTIC CONCRETE (1968)
10 SQ. YDS. - 9" CONCRETE BASE
- FURNISH AND INSTALL DOWEL BARS
18 BARS
- WALK
60 SQ. FT. - CONCRETE
- BARRICADES AND TRAFFIC CONTROL
LUMP SUM
- SAWCUTTING
35 LIN. FT. - IN ASPHALT ON CONCRETE BASE (FULL DEPTH)
- AGGREGATE SLURRY BACKFILL
8 CU. YDS.
- FINISHING OF ROADWAY
LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL
LUMP SUM
30 CU. YDS. EXCESS EXCAVATED MATERIAL
PAVEMENT TYPE
N. LOVERS LANE RD. IS STATE HIGHWAY 100 AND IS SCHEDULED TO BE PAVED IN 2014. STATE PROJECT I.D. 2030-09 TO CURRENT LET DATE FEBRUARY 25, 2014
EXISTING PAVEMENT IN W. HAMPTON AVE. IS 3" ASPHALT (1992) ON 9" REINFORCED CONCRETE (1968).
EXISTING PAVEMENT IN N. LOVERS LANE RD. IS 3" ASPHALT (1992) ON 9" REINFORCED CONCRETE (1968).
ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANTS
5 FT. - 12" 1968-L WATER MAIN
6 FT. - 12" 1963-R WATER MAIN
1 - HYDRANT

FOLLOWING IS A LIST OF THE FITTINGS SHOWN ON THIS CONSTRUCTION PLAN THAT WILL BE PROVIDED BY THE CITY.
1 - AT 12x6
1 - OFS 6x24 (LL +2.0)
1 - V6
1 - VB-DD
1 - H (7.0)
2 - AC 6-1.0
4 - SL12
BENCHMARK
CITY BENCHMARK 71-02 - ELEV. 126.895
N. LOVERS LANE RD. AND W. HAMPTON AVE. NORTH OF W. HAMPTON AVE. IN MEDIAN ISLAND. 29.9' NORTH OF ISLAND NOSE AND 7.10' WEST OF EAST ISLAND CURB

STATE PERMIT
N. LOVERS LANE RD. IS STATE HIGHWAY 100, WHICH IS MAINTAINED BY THE STATE OF WISCONSIN. A PERMIT TO EXCAVATE FROM THE STATE OF WISCONSIN IN DEPARTMENT OF TRANSPORTATION HAS BEEN APPLIED FOR BY THE CITY OF MILWAUKEE.
NO WORK SHALL BE ALLOWED TO BEGIN UNTIL A PERMIT HAS BEEN RECEIVED FROM THE STATE. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS, CONDITION OF ISSUANCE, AND ANY SPECIAL ADVISORY AS STIPULATED IN THE PERMIT AS A PART OF THIS CONTRACT.
THE CONTRACTOR SHALL CONTACT THE TRANSPORTATION DISTRICT OFFICE AT 1-800-242-8511 NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO THE START OF THE PERMITTED WORK TO ARRANGE FOR A DISTRICT REPRESENTATIVE TO LOCATE AND MARK THE EXISTING TRAFFIC SIGNAL AND/OR HIGHWAY LIGHTING LINES. NO WORK UNDER THIS PERMIT SHALL BE ACCOMPLISHED PRIOR TO THE DISTRICT REPRESENTATIVE'S ARRIVAL.

PLAN LINE & UTILITY LEGEND

GAS	○	SANITARY SEWER	—	STREET LIGHTING	—
ELECTRIC	—	STORM SEWER	—	CITY UNDERGROUND CONDUIT	cuc
TELEPHONE	—	COMBINED SEWER	—	PROPOSED CURB / PVM	—
CABLE TELEVISION	—	WATER MAIN	—	PAVING LIMITS	x x x x
FIBER OPTICS	—	WATER SERVICE	—	STRUCTURE / BUILDING	—
PROPOSED UTILITY	—	PRESSURE DISTRICT	—	FENCE	x
POWER POLES	○-CONCRETE ○-ALUMINUM ○-WOOD	WATER MAIN VALVES	—GATE —BUTTERFLY ○-SERVICE		
UTILITIES	□-TRAFFIC SIGNAL □-TRAFFIC CONTROL BOX	HYDRANTS	○-1 NOZZLE ○-3 NOZZLE		

CALL DIGGERS HOTLINE
1-800-242-8511
TELL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE



Milwaukee Water Engineering
Department of Public Works

HYDRANT ALTERATIONS

WATER MAIN

IN **N. 9TH ST.**
AT **W. STATE ST.**

14 SEC. NO. 391 PROGRAM NO. 2013-753 PROJECT NO. WT410130753

IN **N. LOVERS LANE RD.**
AT **W. HAMPTON AV.**

14 SEC. NO. 217 PROGRAM NO. 2013-752 PROJECT NO. WT410130752

SCALE 1" = 20'

PLAN DATE 2-7-2014
DRAWN BY J.F.S.
CHECKED BY K.S.R.
SURVEY BY CONST. SECTION
CONTRACT NO.
C.C. FILE NO. 121333 DATE ADOPTED 2-5-13 OFFICIAL NOTICE NO. 024-1-2014

APPROVED *Patrick W. Pauley* 2-10-14
DATE
DESIGN ENGINEER
MARK J. SCHULTZ 2-10-14
CHIEF DESIGN ENGINEER
C. MULLINS 2-10-14
SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS

SHEET NO. 1 OF 1 PLAN FILE NO. 2014018