LOWERTOWN LOFT APTS
240 5TH ST E

NOTES:

1. MAINTAIN PEDESTRIAN ACCESS ON 5TH ST SIDEWALK & FROM DOORWAYS THAT EGRESS INTO ALLEY
2. CLOSE NORTH–SOUTH ALLEY TO VEHICLES
3. MAINTAIN ACCESS OVER TRENCH BETWEEN STA 1+38 & 1+48 FOR VEHICLES USING EAST–WEST ALLEY INCLUDING ACCESS INTO S.E. CORNER OF STRAUS APTS
4. FOR LOCATIONS OF ANODES & TRACER WIRE TEST STATION SEE TABLES BELOW

ANODES

NO.	STA.
1	0+03± (S)
2	0+03± (R)

TRACER WIRE TEST STATION

NO.	STA.
TWST–1	0+00

5TH ST (BETWEEN SIBLEY & WACOUTA)

STA. 1+52=STA. 0+00
20"X8" BRANCH CONNECTION
CUT/TIE INTO 2" SPARE CONDUIT

2–8" CHWP (HDPE DR11)
W/2–2" COMM. CONDUITS &
W/TRACER WIRE ON EACH PIPE

STA. 1+38
END OF LONG RADIUS CURVATURE (H)
(MIN. 17' BENDING RADIUS)

STA. 1+51
90° BENDS (H)

STA. 0+09
STEEL TO HDPE
TRANSITION FITTINGS

STA. 0+20±
LONG RADIUS CURVATURE (V)

STA. 0+07
2" AIR RELEASES
W/ VENT STANDPIPE
(SEE DETAILS ON COOLING DWG D–3)

STA. 0+06
8" VALVES (STEEL)

STA. 1+18
START OF LONG RADIUS CURVATURE (H)
(MIN. 17' BENDING RADIUS)

STA. 1+66
90° BENDS (H)

REPLACE REINFORCED CONCRETE SLAB IN–KIND
(#3 REBAR, 12 O.C.E.W.), MATCH ALL EDGES TO
EXISTING GRADE & CREATE A TAPERED GRADE
TO BLDG DOORS

2–20" CHWP
(STACKED & SLIGHTLY STAGGERED)

0 20 40
SCALE IN FEET

213 E 4TH ST

STA. 1+81
8" SERVICE ENTRY

SEE DWG M–1 & D–1 (COOLING)
FOR INTERIOR CHWP
EXTENSION TO MECH. ROOM

STRAUS APTS
350 SIBLEY ST

RETURN

SUPPLY
(STA. 0+00 TO STA. 1+81)
AT SAME ELEVATION FOR RETURN
(STA. 0+04 TO STA. 1+81)

ELEVATION IN FEET

50 / 45 / 40 / 35

0+00 1+00 1+80

STA 1+52=STA. 0+00
20"X8" BRANCH CONNECTION
T.O.P. EL=48.09 (20")
T.O.P. EL=47.58 (8")
T.O.P. EL=48.09 (20")
STA. 0+07
2" AIR RELEASES
W/ VENT STANDPIPE
T.O.P. EL=47.55 (8"/9")
T.O.P. EL=47.55 (8"/9")
STA. 0+09
STEEL TO HDPE
TRANSITION FITTINGS
T.O.P. EL=47.55 (8")
I.D.P. EL=47.55 (8")
STA. 0+20±
LONG RADIUS CURVATURE (V)
T.O.P. EL=47.50 (8")
T.O.P. EL=47.50 (8")
8" CHWP (STEEL)
2–8" CHWP (HDPE)
ELEC
ALLEY SURFACE

STA. 1+52=STA. 0+00
20"X8" BRANCH CONNECTION
T.O.P. EL=45.02 (8")
T.O.P. EL=45.52 (20")
T.O.P. EL=45.52 (20")
STA. 0+04
45° BENDS (V)
(SUPPLY ONLY)
T.O.P. EL=47.55 (8")
I.D.P. EL=47.55 (8")
STA. 0+07
2" AIR RELEASES
W/ VENT STANDPIPE
T.O.P. EL=47.55 (8")
I.D.P. EL=47.55 (8")
STA. 0+09
STEEL TO HDPE
TRANSITION FITTINGS
I.D.P. EL=47.55 (8")
T.O.P. EL=47.55 (8")
STA. 0+20±
LONG RADIUS CURVATURE (V)
T.O.P. EL=47.50 (8")
T.O.P. EL=47.50 (8")
8" CHWP (STEEL)
2–8" CHWP (HDPE)
ELEC
ALLEY SURFACE

STA. 1+18
START OF LONG RADIUS CURVATURE (H)
(MIN. 17' BENDING RADIUS)
T.O.P. EL=39.00 (8")
T.O.P. EL=39.00 (8")
STA. 1+38
END OF LONG RADIUS CURVATURE (H)
(MIN. 17' BENDING RADIUS)
T.O.P. EL=37.63 (8")
T.O.P. EL=37.63 (8")
STA. 1+51
90° BENDS (H)
T.O.P. EL=37.53 (8")
T.O.P. EL=37.53 (8")
STA. 1+67
90° BENDS (H)
T.O.P. EL=37.50 (8")
T.O.P. EL=37.50 (8")
STA. 1+81
8" SERVICE ENTRY
T.O.P. EL=37.45 (8")
1–1/4" GAS
3" GAS
2–3" TELE
4" TELE
2" GAS
1 1/4" GAS
213 E 4TH ST
1'± CLAY BRICK WINDOW WELL IN FILL WALL
FLOOR EL= 30.5±

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF MINNESOTA.

David L. Urke
DAVID L. URKE, PE

DATE May 15, 2013 REG. NO. 22144

REV.	DATE	PREP. BY	CHK'D BY	DESCRIPTION

DISTRICT COOLING ST. PAUL™

PW APPROVAL #13–131

213 E 4TH ST
COOLING SERVICE

Project No. 2013–DC42–213–E4 Sheet No. C–1