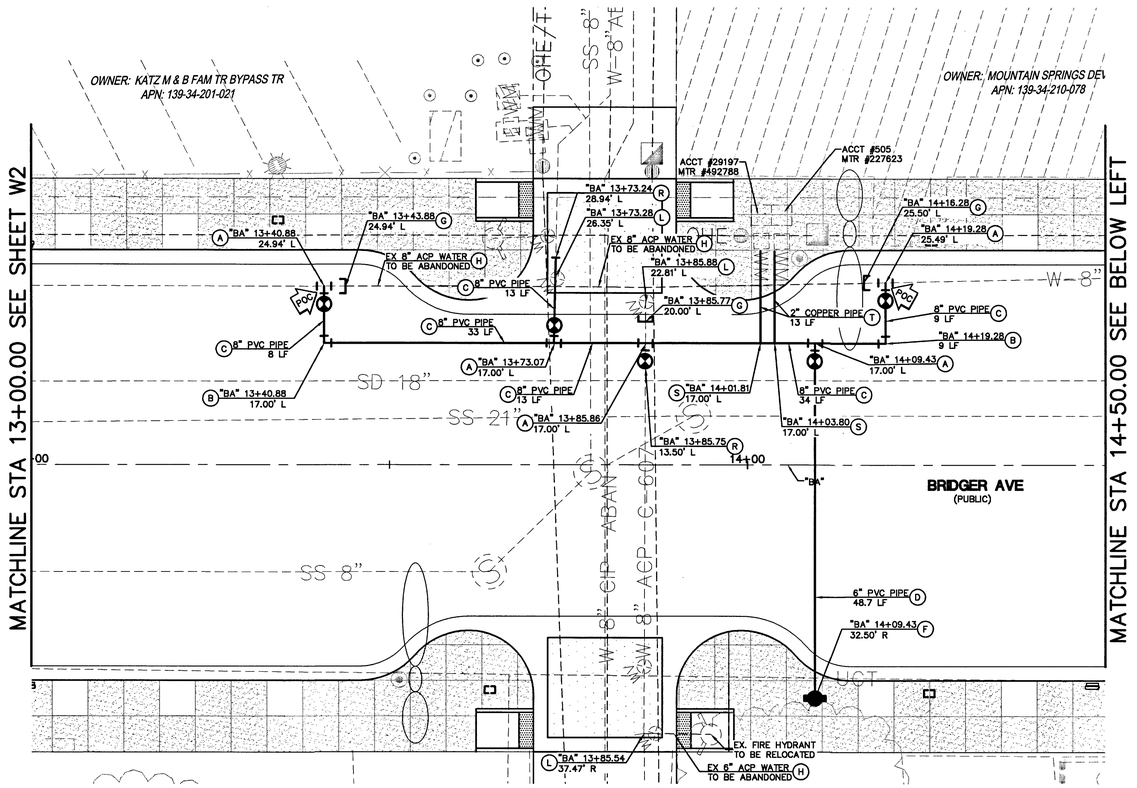

BASIS OF BEARINGS

NORTH 27°39'52" EAST, BEING THE BEARING OF THE CENTERLINE OF MAIN STREET BETWEEN COOLIDGE AVENUE AND HOOVER AVENUE AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 184 AT PAGE 25.

PROJECT BENCHMARK

PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

CITY OF LAS VEGAS BENCHMARK: 2LV01–27S6
NAVD88 ELEVATION: 613.0214 METERS (2011.22 FEET)

NDOT MON IN TOP OF CURB @NE CORNER OF BONANZA AND MAIN.

WATERLINE TRENCH NOTE:

CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE NO. 17.

HUSON

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.
(VERIFY SCALE – PLANS MAY HAVE BEEN REDUCED)

CONSTRUCTION NOTES

(A) WET TAP W/ 8"X8" TAPPING SLEEVE AND 8" TAPPING VALVE PER UDACS PLT NO. 34 & SECT. 2.24
(B) INSTALL 8" 90° BEND PER UDACS PLATE NO.31
(C) INSTALL 8" PVC WATER PER UDACS PLATE NO. 17
(D) INSTALL 6" PVC WATER PER UDACS PLATE NO. 17
(E) INSTALL 8"X6" TEE AND 6" GATE VALVE FOR FIRE HYDRANT INSTALLATION PER UDACS PLT NO. 40
(F) RELOCATE EXISTING FIRE HYDRANT PER NOTE
(G) CUT & CAP EXISTING WATER MAIN AFTER NEW MAIN IS IN SERVICE (ABANDON IN PLACE)
(H) EXISTING WATERLINE TO BE ABANDONED IN PLACE
(I) WET TAP W/ 6"X6" TAPPING SLEEVE AND 6" TAPPING VALVE PER UDACS PLT NO. 34 & SECT. 2.24
(J) INSTALL 8"X6" MJ REDUCER
(K) WET TAP W/ 16"X8" TAPPING SLEEVE AND 8" TAPPING VALVE PER UDACS PLT NO. 34 & SECT 2.24
(L) ABANDON VALVE PER NOTE
(M) REMOVE EXISTING VALVE PER UDACS AND REMOVE 5' OF 8" ACP WL PER UDACS
(N) INSTALL 1" COPPER WATER LINE WITH 3/4" METER PER UDACS PLATE NO. 4 AND 1" RPPA PER UDACS PLATE NO.8
(O) RELOCATE EX. WATER METER PER UDACS PLT. NO. 4
(P) ENCASE WATERLINE WITH MINIMUM 4" OF CEMENT SLURRY (CLSM II)
(Q) INSTALL 8" GATE VALVE PER UDACS PLT. NO. 30 & 39
(R) INSTALL 8" COUPLING PER UDACS PLATE NO. 30
(S) INSTALL NEW WATER LATERAL & CONNECT TO EXISTING WATER METER PER UDACS PLATE NO. 4
(T) INSTALL WATER COPPER LATERAL PER UDACS PLATE NO. 4
(U) 8"X8" CROSS PER UDACS PLATE NO. 31
(V) INSTALL WATER BRASS PIPE PER UDACS PLATE NO. 4
(Y) INSTALL 8" 45 BEND PER UDACS PLATE NO. 31
(Z) WET TAP W/ 8"X6" TAPPING SLEEVE AND 6" TAPPING VALVE PER UDACS PLATE NO. 34 & SECT. 2.24

ABANDONED VALVES CUT AND CAP

ALL VALVES TO BE ABANDONED SHALL BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP TWENTY–FOUR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE. THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO THOUSAND (2,000) PSI. THE LATERAL MUST BE CUT WITHIN ONE (1) FOOT OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS , AND CAPPED. THE CONTRACTOR SHALL CUT THE EXISTING PIPE WHERE SHOWN ON THE DRAWING AND INSTALL A CAP COMPLETE WITH THE THRUST BLOCK. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATIONS, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH THE DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CAP OR PLUG LOCATIONS IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE 31.

FIRE HYDRANT RELOCATION AND LATERAL ABANDONMENT

(EXISTING LATERAL TO BE ABANDONED) WHERE SHOWN ON THE DRAWING(S), THE CONTRACTOR SHALL ABANDON THE EXISTING FIRE HYDRANT(S) BY REMOVING BOTH THE UPPER AND LOWER FIRE HYDRANT BARRELS OF THE FIRE HYDRANT SO THAT NO PORTION OF THE REMAINING FIRE HYDRANT ASSEMBLY IS CLOSER THAN TWO (2) FEET TO THE EXISTING GRADE. FIRE HYDRANTS SHALL BE TESTED PRIOR TO AND AFTER RELOCATION UNDER THE DIRECTION OF THE DISTRICT TO ENSURE QUALITY OF THE FIRE HYDRANT(S). THE EXISTING HYDRANT SHALL BE INSTALLED AT THE NEW LOCATION AS INDICATED ON THE DRAWING, IN ACCORDANCE WITH UDACS PLATE 40. THE EXISTING VALVE SHALL BE ABANDONED IN A CLOSE POSITION, UNLESS OTHERWISE SHOWN, BY REMOVING A MINIMUM OF THE TOP TWENTY–FOUR (24) INCHES OF THE VALVE BOX, AND THEN FILLING THE BOTTOM OF THE BOX WITH A MINIMUM OF THE EIGHT (8) INCHES OF SAND OR TYPE II AGGREGATE BASE, THE REMAINING PORTION OF THE VALVE BOX SHALL BE FILLED WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST TWO–THOUSAND (2,000) PSI. THE LATERAL SHALL BE CUT WITHIN ONE (1) FOOT OF THE ABANDONED VALVE, OR AS SHOWN ON PLANS, AND CAPPED. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED, WITH DISTRICT APPROVAL. A CONCRETE THRUST BLOCK SHALL BE INSTALLED AT ALL CUT AND CAP LOCATIONS IN ACCORDANCE WITH THE PROVISIONS OF UDACS PLATE 31.

ACP DISPOSAL NOTE

DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LVVWD NOTE

ALL SEWER/STROM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

APPROVED FOR CONSTRUCTION (Re-signed)
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 6/12/14 PROJECT NO. 116882

BRC Keating 6-12-14
CLV Fire Department Date

FAST
Call before you UnderGround 1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811

H#45921

REV	DATE	BY	REVISION

PUBLIC WORKS DEPARTMENT
333 N. RANCHO DRIVE
LAS VEGAS, NV 89106
702-229-6272

2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146–5148
PH. (702) 873–2550
FAX (702) 873–2553
WEB SITE WWW.VTNNV.COM

WATERLINE RELOCATION PLAN
STA 13+00.00 TO STA 16+00.00
DOWNTOWN PEDESTRIAN & BICYCLE IMPROVEMENTS
BRIDGER AVENUE
MAIN STREET TO 6TH STREET

DRAWN BY: DAM	MAY 2014		
DESIGNED BY: RCH	MAY 2014		
CHECKED BY: RDH	MAY 2014	SCALE: HORIZ. 1"=10' VERT. N/A	
PROJECT NO.: 7350			

PROFESSIONAL ENGINEER – NEVADA
ROBERT C. HOSEA III
EXP. 06/30/15
CIVIL
No. 10112
6-11-14

SHEET
W3
34 OF 72 SHEETS
DRAWING NO.
107V5664-BRIDGER

H:\7350\Sheet Set\Bridger Avenue\7350 Bridger Avenue Water Relocation.dwg,lambdoric, Jun 11, 2014 - 1:39pm