

STATE WATER RIGHTS SURVEYORS CERTIFICATE

I, TIMOTHY J. WOLF, BEING FIRST DULY SWORN, DEPOSE AND SAY THAT THIS MAP, CONSISTING OF TWO SHEETS, HAS BEEN CORRECTLY DRAWN TO THE DESIGNATED SCALE FROM FIELD NOTES OF A SURVEY MADE UNDER MY DIRECT SUPERVISION AND DIRECTION, BETWEEN THE 15TH DAY OF MARCH, 1996, AND THE 5TH DAY OF APRIL, 1996; THAT IT TRULY AND CORRECTLY REPRESENTS THE PROPOSED LOCATION AND EXTENTS OF THE WORKS USED TO DIVERT WATER FROM THE LAS VEGAS ARTESIAN BASIN IN CLARK COUNTY, STATE OF NEVADA, BY THE KYLE CANYON WATER DISTRICT, FOR MUNICIPAL AND DOMESTIC PURPOSES. THAT THE PROPOSED POINT OF DIVERSION, THE APPROXIMATE LOCATION AND SIZE OF THE DIVERTING CHANNEL, ALL RESERVOIRS, THE LOCATION AND NAMES OF ALL OTHER BOUNDARY OF ALL LANDS SHOWING BY 40 ACRE SUBDIVISIONS THE AREAS PROPOSED TO BE SERVED, ARE FULLY AND CORRECTLY DESIGNATED THEREON.

8/13/96
TIMOTHY J. WOLF
STATE WATER RIGHT SURVEYOR
NEVADA CERTIFICATE NO. 954
PROFESSIONAL LAND SURVEYOR
NEVADA CERTIFICATE NO. 9677



ATTEST:

STATE OF NEVADA }
COUNTY OF CLARK } S.S.

SIGNED OR ATTESTED BEFORE ME ON AUGUST 13TH, 1996 BY TIMOTHY J. WOLF.



Paul Miskey
PAUL MISKEY
RIGHT OF WAY AGENT
LAS VEGAS VALLEY WATER DISTRICT
MY COMMISSION EXPIRES APRIL 4, 1998

CONVENTIONAL MAP SYMBOLS

- RIVERS OR PERPETUAL STREAMS.
- MAIN SUPPLY DITCHES OR CANALS.
- SECONDARY OR LATERAL DITCHES.
- DAMS, BRIDGES.
- INTERSECTING DITCHES OR CANALS.
- TRAVERSE LINES.
- TIE LINES.
- ROADS.
- FENCES.
- RAILROADS.
- BUILDINGS.

MONUMENTATION & RELATED MAP SYMBOLS

- FOUND SECTION CORNER
- FOUND 1/4 SECTION CORNER, OR AS NOTED
- SET LVWD PLS 9677, OR AS NOTED
- PROPOSED POINT OF DIVERSION
- EXISTING POINT OF DIVERSION
- (R1) REFERENCE AND NUMBER, FOUND UNDER REFERENCES

REFERENCES

- MAP TO ACCOMPANY APPLICATION FOR QUASI-MUNICIPAL (LODGE AND SUBDIVISION) AND DOMESTIC USE BY MT. CHARLESTON UTILITIES, INC. FILED WITH STATE ENGINEER AUGUST 25, 1965. CERTIFICATE NO. 8581, ISSUED AUG 22, 1975. PERMIT NO. 22736. BENNETT J. VASEY, SWRS, NEVADA.
- GUIDELINES AND RULES FOR THE PREPARATION OF WATER RIGHTS MAPS (REVISED 1994).
- NRS 240.1675.
- RECORD OF SURVEYS: FILE 69 PAGE 92, FILE 70 PAGE 72, BOTH ON RECORD IN THE OFFICE OF THE CLARK COUNTY RECORDER, NEVADA.
- MICROFICHE COPIES OF THE ORIGINAL FIELD NOTES FOR SECTIONS 25/26/35/36 INDEPENDENT RESURVEY OF SUBDIVISION OF T 19 S, R 56 E, PERFORMED BY ANDREW NELSON AND CARL SWANHOLM, CADASTRAL ENGINEERS, ON SEPTEMBER 30, 1929. SAID SURVEY WAS ACCEPTED FEB 1, 1930 AND APPROVED JAN 27, 1930.

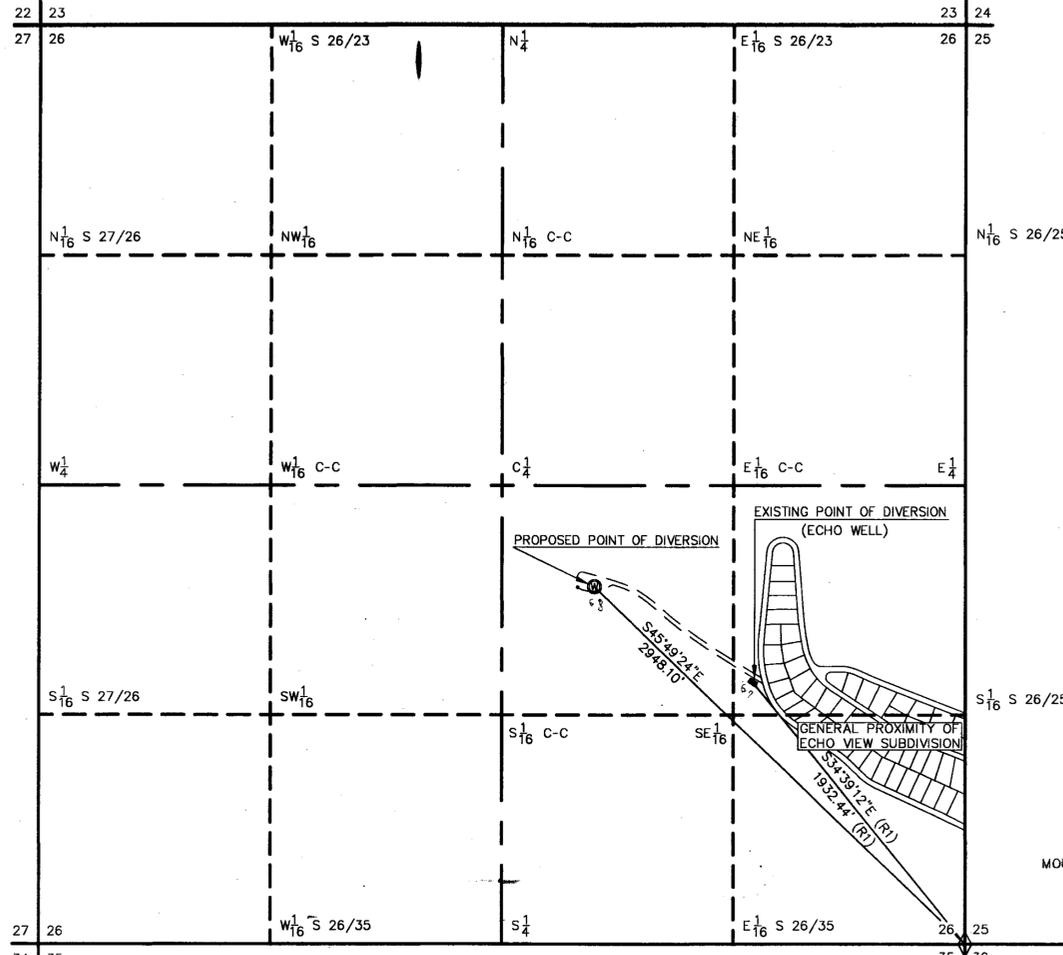
BASIS OF BEARING

THE BASIS OF BEARINGS WAS DETERMINED BY GLOBAL POSITIONING SYSTEM METHODS. EQUIPMENT USED WAS TRIMBLE 4000SSE RECEIVERS. FIELD PROCESSING WAS FACILITATED BY USE OF REAL TIME KINEMATIC TDC1 VERSION 4.00. OFFICE RE-POST PROCESSING WAS FACILITATED BY TRIMMAP SURVEY SUPPORT VERSION 6.00, RELEASED MARCH 1, 1996. THEREFORE THE BASIS OF BEARINGS IS GPS NORTH WHICH INFINITESIMALLY DECLINEATES FROM TRUE NORTH, SAID DEVIATION RESULTING FROM TDOP AND OTHER RELATED SOURCES OF ERROR. PUBLISHED HORIZONTAL ACCURACY USING THIS EQUIPMENT IS 1CM + 2PPM (LIT. ID#0226, 2/94, TRIMBLE NAVIGATION, LTD).

CALIBRATION INFORMATION

THE METHOD EMPLOYED TO CONVERGE THE ELLIPSIOD TO THE GROUND WAS TRIMBLE SURVEY CONTROLLER VERSION 4.00 WHICH ALLOWS A SEVEN PARAMETER CALIBRATION. THIS FACILITATED A TRUE AND PROPORTIONATE SCALE FACTOR FROM ELLIPSIOD TO GROUND. ALL DISTANCES SHOWN HEREON ARE GROUND MEASUREMENTS.

SECTION DIAGRAM
SECTION 26, T19S, R56E, M.D.M. PROTRACTED USING OFFICAL GLO FIELDNOTES (R5)



SCALE: 1 INCH = 500 FEET
TOWNSHIP 19 SOUTH, RANGE 56 EAST
MOUNT DIABLO MERIDIAN, CLARK COUNTY, NEVADA

- FOUND 2.5" DIA. BRASS DISK IN 6" DIA. CONCRETE CYLINDER "1993" "PLS 8187" "1/4 S 25/36" REF. ROS'S 70-72 & 69-92, CLK. CO., NV.
- FOUND 3" DIA. BRASS DISK ON 2" DIA. PIPE 1.5" ABOVE NATURAL GROUND "1929" "GENERAL LAND OFFICE" REF. RECORD OF SURVEY (ROS) 69-92, CLK. CO., NV.
- FOUND 1-1/4" ALUMINUM CAP FLUSH WITH ASPHALTIC CONCRETE "PLS 9677" "CRS ENG." "1994" "N 1/16" "S36" FILE 70, PAGE 72 OF SURVEYS, CLK. CO., NV.

STATE ENGINEERS USE
RLO 9-3-96 P.O.D. # 22736 IS RESURVEYED AND DISTANCE VARIES FROM 2062.23 FT.

FILED
AUG 16 1996
STATE ENGINEERS OFFICE

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|----------|-------------|
| CONTRACT | N/A |
| LOCATION | KYLE CANYON |
| NAME | ECHO.DWG |
| DATE | 8-12-96 |
| DRAWN | T.WOLF |
| CHKD. | G.FEBBO |
| H.SCALE | 1"=500' |
| V.SCALE | N/A |

MAP TO ACCOMPANY APPLICATION TO CHANGE THE POINT OF DIVERSION PLACE OF USE AND MANNER OF USE UNDER PERMIT NO. 22736, CERTIFICATE NO. 8581
FOR: MUNICIPAL USE
BY: KYLE CANYON WATER DISTRICT
FROM: UNDERGROUND SOURCES
IN: CLARK COUNTY, NEVADA

