

FOUND U.S.G.L.O.
BRASS CAP
GRID N: 26818645.884
GRID E: 856940.517
LATITUDE: 36°19'10.354"
LONGITUDE: -114°54'06.441"

GRID N: 26818687.449
GRID E: 862222.339
LATITUDE: 36°19'10.393"
LONGITUDE: -114°53'01.895"

FOUND U.S.G.L.O.
BRASS CAP 1938

POINT OF DIVERSION
APPLICATION #68020
GRID N: 26817907.099
GRID E: 856998.681
LATITUDE: 36°19'03.045"
LONGITUDE: -114°54'05.794"

NOTE:
DISTANCES SHOWN IN
PARENTHESES ARE
GROUND VALUES. SEE
NOTES FOR AVERAGE
GRID FACTOR USED FOR
THIS SURVEY.

STATE OF NEVADA
COUNTY OF CLARK

I, ALAN W. DILL, BEING FIRST DULY SWORN, DEPOSE AND SAY THAT SITE INSPECTIONS HAVE BEEN MADE BY ME, OR UNDER MY SUPERVISION AND DIRECTION, BETWEEN NOVEMBER 6TH AND 22ND, 2001, AND THE LOCATION OF EACH REFERENCE MONUMENT HAS BEEN VERIFIED BY SITE INSPECTION; THAT THE POINT OF DIVERSION AND PLACE OF USE SITES HAVE BEEN INSPECTED; THAT THIS MAP CONSISTING OF 1 SHEET, NUMBERED 1 THROUGH 1, INCLUSIVE, HAS BEEN CORRECTLY DRAWN TO THE DESIGNATED SCALE FROM SURVEYING CALCULATION NOTES PREPARED BY ME, OR UNDER MY SUPERVISION AND DIRECTION, RELYING UPON ANALYSIS OF RECORDED BUREAU OF LAND MANAGEMENT SURVEY PLATS, AND THE PHYSICAL LOCATION OF THE EXISTING MONUMENTATION, AND CORRECTLY REPRESENTS THE PROPOSED LOCATION AND EXTENT OF THE WORKS USED TO DIVERT WATER FROM AND UNDERGROUND SOURCE, IN CLARK COUNTY, NEVADA, BY OGLEBAY NORTON COMPANY FOR QUASI-MUNICIPAL PURPOSES. THAT THE PROPOSED POINTS OF DIVERSION, ARE FULLY AND CORRECTLY DESIGNATED HEREON.

Alan W. Dill
ALAN W. DILL SWRS# 1085



SUBSCRIBED AND SWORN TO BEFORE ME
THIS FOURTH DAY OF DECEMBER, 2001
Rosalie Gallo

NOTARY PUBLIC IN AND FOR CLARK COUNTY, NEVADA
MY COMMISSION EXPIRES 11-27, 2002

NOTES:

- 1) THE PHYSICAL MONUMENTS AND POINT OF DIVERSION SHOWN ON THIS SURVEY WERE LOCATED USING R.T.K. G.P.S. TECHNIQUES. ALL POINTS WERE OCCUPIED USING TRIMBLE 4700 DUAL FREQUENCY RECEIVERS WITH MICROCENTERED L1/L2 ANTENNAS, WITHOUT GROUND PLANE ATTACHED. THE ERROR ESTIMATES FOR THE RESULTANT POSITIONS OF EACH POINT, WERE LESS THAN ONE (1) CENTIMETER (.01) AFTER BASE LINE PROCESSING AND ADJUSTMENT.
- 2) ALL COORDINATES (U.S. SURVEY FEET) AND GEOGRAPHIC POSITIONS SHOWN ARE NAD 83 STATE PLANE ZONE 2701 VALUES, AND ARE BASED ON THE POSITION OF NATIONAL GEODETIC SURVEY POINT "UNDER" AND "J171". THE PUBLISHED POSITION OF THESE POINTS ARE AS FOLLOWS:

"UNDER" NAD 83 (1994) -	36 19 02.10895(N)	114 56 54.44112(W)
SPC NV E(METERS)-	N 8174056.968	E 257007.392
SPC NV E(U.S. SURVEY FEET) -	N 26817718.54	E 843198.42
REF:	NGS DATA SHEET GRO676	
"J171" NAD 83 (1994) -	36 20 28.054(N)	114 55 04.375(W)
SPC NV E(METERS)-	N 8176724.348	E 259734.507
SPC NV E(U.S. SURVEY FEET) -	N 26826469.80	E 852145.627
REF:	RECORD OF SURVEY FILE 87 PAGE 12 CLARK COUNTY RECORDS	
- 3) THE DISTANCES ARE SHOWN BOTH IN GRID AND GROUND VALUES. THE COMBINED FACTOR USED FOR CONVERSION ON THIS SURVEY WAS .99982268.

GRID N: 26813369.058
GRID E: 856979.810
LATITUDE: 36°18'18.170"
LONGITUDE: -114°54'06.415"

FOUND U.S.G.L.O.
BRASS CAP WITH
2" IRON PIPE AND
ROCK PILE MOUND
0.50 A.N.G. "1933"

GRID N: 26810730.383
GRID E: 856999.986
LATITUDE: 36°17'52.07502"
LONGITUDE: -114°54'06.39556"

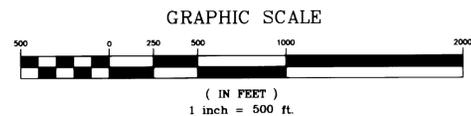
FOUND U.S.G.L.O.
BRASS CAP WITH
3/4" IRON PIPE AND
ROCK PILE MOUND
0.50 A.N.G. "1933"

GRID N: 26816047.012
GRID E: 862243.018
LATITUDE: 36°18'44.280"
LONGITUDE: -114°53'01.876"

FOUND U.S.G.L.O.
BRASS CAP 1938

MONUMENT LOST
CALCULATED POSITION
BY SINGLE PROPORTION
FROM NORTH AND SOUTH
CORNERS.

GRID N: 26813407.871
GRID E: 862263.477
LATITUDE: 36°18'18.181"
LONGITUDE: -114°53'01.859"



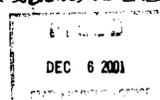
BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS 1983), EAST ZONE, (2701), AS DETERMINED BY CLARK COUNTY GIS CONTROL POINTS J171, AND D371, AS SHOWN ON A RECORD OF SURVEY FILE 88, PAGE 53, CLARK COUNTY RECORDERS OFFICE, AS PREPARED BY THE CLARK COUNTY SURVEYORS OFFICE.

TO ACCOMPANY APPLICATION NUMBER 68019 THROUGH 68022

STATE ENGINEER'S USE

12-31-2001 - SECTION CORNER SHOULD READ 13/18
- USE IN TITLE BLOCK SHOULD BE QUASI-MUNICIPAL AS IN SUPERVISORS STATEMENT
- SCALE IN UPPER RIGHT CORNER AT NORTH ARROW IS IN CORRECT



MAP TO ACCOMPANY APPLICATION TO CHANGE THE POINT OF DIVERSION, PLACE OF USE, AND MANNER OF USE, UNDER APPLICATIONS 68019 THROUGH 68022

FOR: HEAVY INDUSTRIAL USE
BY: OGLEBAY NORTON COMPANY
FROM: AN UNDERGROUND SOURCE
IN: CLARK COUNTY, NEVADA

68022 68021 68020 68019