

# PHOTOGRAMMETRIC CONTROL SURVEY FOR THE CITY OF MEDFORD

LOCATED IN  
SECTIONS 13, 14, 15, 22, 23, AND 24 IN  
TOWNSHIP 36 SOUTH, RANGE 2 WEST, WILLAMETTE MERIDIAN  
JACKSON COUNTY, OREGON

SURVEY BY :  
CITY OF MEDFORD  
411 W. 8TH STREET  
MEDFORD, OREGON 97501

JANUARY, 1992

SCALE: 1' = 1000'



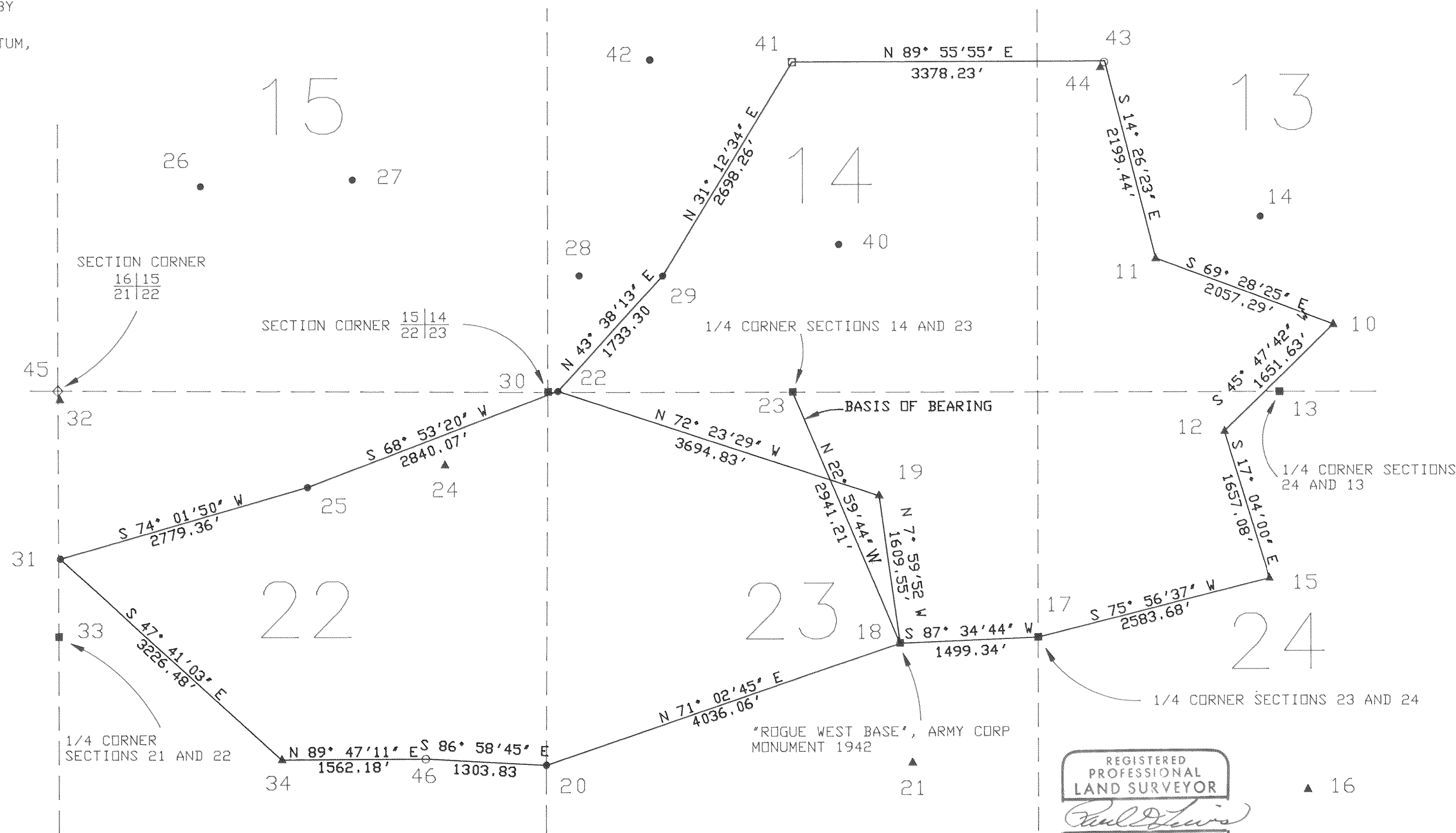
### LEGEND

- FOUND BRASS CAP MONUMENT
- ◇ FOUND LEAD PLUG IN CONCRETE
- SET HUB AND TACK
- SET 5/8" X 24" IRON PIN WITH PLASTIC CAP STAMPED: "MEDFORD CITY SURVEYOR"
- ▲ SET RAILROAD SPIKE WITH PUNCH MARK
- SET "PK" NAIL AND SHINER

BASIS OF BEARING: NAD 83 STATE PLANE COORDINATES OF POINTS 23 AND 18, ROTATED ABOUT POINT 23 BY A THETA ANGLE OF -1° 38' 43".  
VERTICAL CONTROL USED WAS CITY OF MEDFORD DATUM, SEE FIELD BOOK #1171, PAGE 18.

### COORDINATES ( ASSUMED LOCAL DATUM )

PT #	NORTHING	EASTING	ELEVATION
10	99946.26	100006.81	1265.46
11	100667.62	98080.13	1257.11
12	98794.69	98822.84	1264.05
13	99225.01	99422.48	1264.94
14	101114.87	99215.54	1260.34
15	97210.58	99309.15	1265.63
16	94923.63	99726.91	1255.47
17	96583.07	96802.83	1250.87
18	96519.73	95304.83	1246.74
19	98113.63	95080.88	1246.10
20	95208.76	91487.61	1233.31
21	95223.88	95437.15	1233.36
22	99231.37	91559.17	1231.84
23	99231.82	94153.86	1227.68
24	98447.56	90395.93	1202.88
25	98208.44	88909.71	1217.53
26	101456.46	87758.52	1210.64
27	101528.21	89401.59	1217.56
28	100489.59	91852.12	1231.96
29	100485.81	92755.29	1231.67
30	99234.12	91512.25	1221.59
31	97443.77	86237.61	1212.78
32	99158.13	86231.90	1202.12
33	96604.89	86220.20	1214.13
34	95271.65	88623.42	1224.09
40	100822.91	94653.17	1204.90
41	102793.57	94153.45	1187.08
42	102821.12	92619.70	1182.20
43	102797.59	97531.68	1195.20
44	102783.58	97519.96	1195.98
45	99257.44	86215.16	1195.28
46	95277.48	90185.59	1226.53



REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*Paul D. Lewis*  
OREGON  
JULY 14, 1978  
PAUL D. LEWIS  
1644

SURVEY NO. 12974

SURVEY NARRATIVE TO COMPLY WITH O.R.S. 209.250

SURVEY FOR: CITY OF MEDFORD  
411 W. 8TH STREET  
MEDFORD, OR 97501

SURVEY BY: MEDFORD CITY SURVEYOR  
411 W. 8TH STREET  
MEDFORD, OR 97501

LOCATION: SECTIONS 13, 14, 15, 22, 23, AND 24 IN  
TOWNSHIP 36 SOUTH, RANGE 2 WEST, WILLAMETTE  
MERIDIAN, JACKSON COUNTY, OREGON.

BASIS OF BEARING: TRUE MERIDIAN AS DERIVED FROM THE GRID  
BEARING PER STATE PLAN COORDINATE SYSTEM NAD  
83, OREGON SOUTH ZONE BETWEEN GEODETIC  
MONUMENT "ROGUE WEST BASE" AND THE QUARTER  
CORNER COMMON TO SECTIONS 14 AND 23, AS  
PROVIDED BY THE JACKSON COUNTY SURVEYOR'S  
OFFICE. THETA ANGLE OF ROTATION USED WAS  
-1°38'23" AT SAID QUARTER CORNER. VERTICAL  
CONTROL WAS CITY OF MEDFORD DATUM.

DATE: JANUARY, 1992

PURPOSE: THE PURPOSE OF THIS SURVEY WAS TO PROVIDE  
PHOTOGRAMMETRIC MAPPING CONTROL FOR THE CITY  
OF MEDFORD WATER RECLAMATION PLANT.

PROCEDURE: CONTROL WAS ESTABLISHED UTILIZING A WILD T-  
1000U THEODOLITE, A DI-1001 EDM AND ON-BOARD  
DATA COLLECTION. TWO CLOSED LOOP TRAVERSES  
WERE RUN THROUGH THE POINTS SHOWN ON THE  
PLAT. RELATIVE PRECISION WAS 1:20,000 AND  
ADJUSTED BY COMPASS METHOD. THE POSITIONS  
OF THE REMAINING POINTS WERE DETERMINED AS  
SIDESHOTS FROM THE ADJUSTED LOOPS. VERTICAL  
CONTROL WAS SUB-THIRD ORDER PER N.O.A.A.  
STANDARDS OF ACCURACY.

