

RECORD MONUMENT AND POSITION DATA

POINT	NORTHING	EASTING	REFERENCE	DESCRIPTION
131	75572.043	1303296.058	CS 8312	19 mm IRON ROD, FLUSH
132	75590.454	1303296.578	NOTE 1	16 mm IRON ROD, DOWN 60 mm
133	75639.915	1303304.263	CS 280	16 mm IRON ROD, DOWN 180 mm (1/2" (13 mm) IRON PIN SET PER CS)
134	75634.556	1303252.544	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE CURB
135	75642.147	1303240.093	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE SIDEWALK RAMP
136	75657.371	1303236.199	NOTE 3	76 mm BRASS DISK IN CONCRETE CURB, STATE HIGHWAY BENCH MARK STAMPED "C 56"
137	75656.874	1303257.783	NOTE 3	76 mm BRASS DISK IN CONCRETE CURB, STATE HIGHWAY BENCH MARK STAMPED "C 55"
138	75661.485	1303253.286	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE CURB
139	75513.872	1303243.497	NOTES 1,4	AXEL IN MONUMENT CASE (LID IS BROKEN), 420 mm BELOW ROAD SURFACE
140	75503.599	1303248.779	NOTE 4	38 CALIBER BRASS SHELL CASING IN CONCRETE CURB
143	75519.972	1303361.942	NOTE 1	16 mm IRON ROD, BENT SOUTHERLY, TIED AT BEND, DOWN 60 mm

LEGEND

- ▲ SET 16 mm X 760 mm REBAR WITH RED PLASTIC CAP STAMPED "OTAK CONTROL"
- SET PK NAIL AND 38 mm BRASS WASHER STAMPED "OTAK CONTROL"
- FOUND MONUMENT, DESCRIPTION AS NOTED
- MONUMENT FROM COUNTY SURVEY (CS ****) SEARCHED FOR BUT NOT FOUND
- RIGHT OF WAY
- - - RIGHT OF WAY CENTERLINE
- CS DENOTES COUNTY SURVEY FILE NUMBER

RCL 08-27-01
CALCULATED
JVO 10-02-01
DRAWN
RCL 01-15-02
CHECKED BY
03-14-02
PLOT

REGISTERED
PROFESSIONAL
LAND SURVEYOR
Robert C. Lennox
OREGON
JULY 14, 1988
ROBERT C. LENNOX
2886
RENEWS 12-31-2002

PRE-CONSTRUCTION SURVEY
MEDFORD ALLEYS - SITE 9
LOCATED IN THE SW 1/4 OF SECTION 25,
T. 37 S., R. 2 W., W.M.,
JACKSON COUNTY, OREGON
FOR THE CITY OF MEDFORD

otak
SINCE 1961
Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635 3618
FAX: (503) 635 5395

11 031 -001 -001
PROJECT NO.
11 031 PCS. DGN
FILE NO.
4 OF 4
SHEET NO.

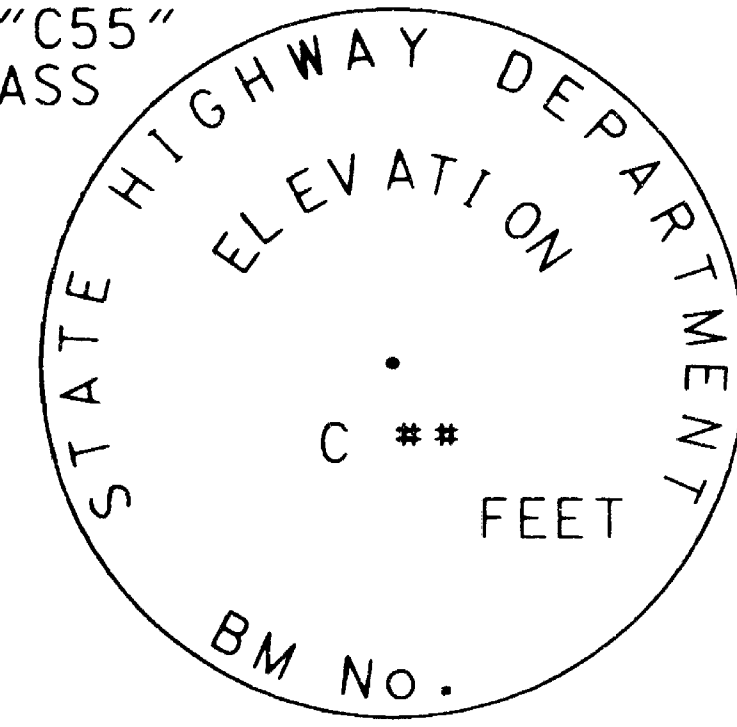
REFERENCE NOTES

- 1 UNKNOWN SOURCE OF MONUMENT (MONUMENT NOT OF RECORD)
- 2 REFERENCE MONUMENTS PER COUNTY FIELD NOTES, PAGE 21, DATED 8-27-90
- 3 BENCH MARK LOCATION SHOWN FOR REFERENCE ONLY
- 4 REFERENCE MONUMENTS PER COUNTY FIELD NOTES, PAGE 13, DATED 9-8-88

NOTE:
COORDINATES SHOWN ARE STATE PLANE COORDINATES
(SEE NARRATIVE ON SHEET 1 OF THIS SURVEY)

*136 AND *137

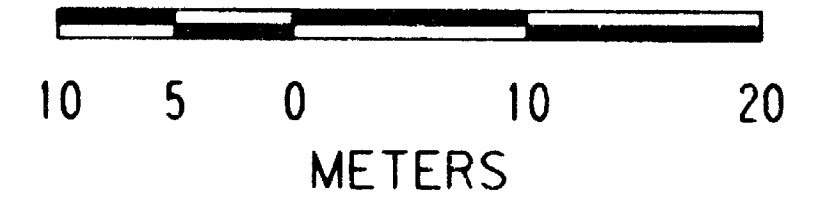
BENCH MARKS
"C54" & "C55"
76 mm BRASS
DISKS



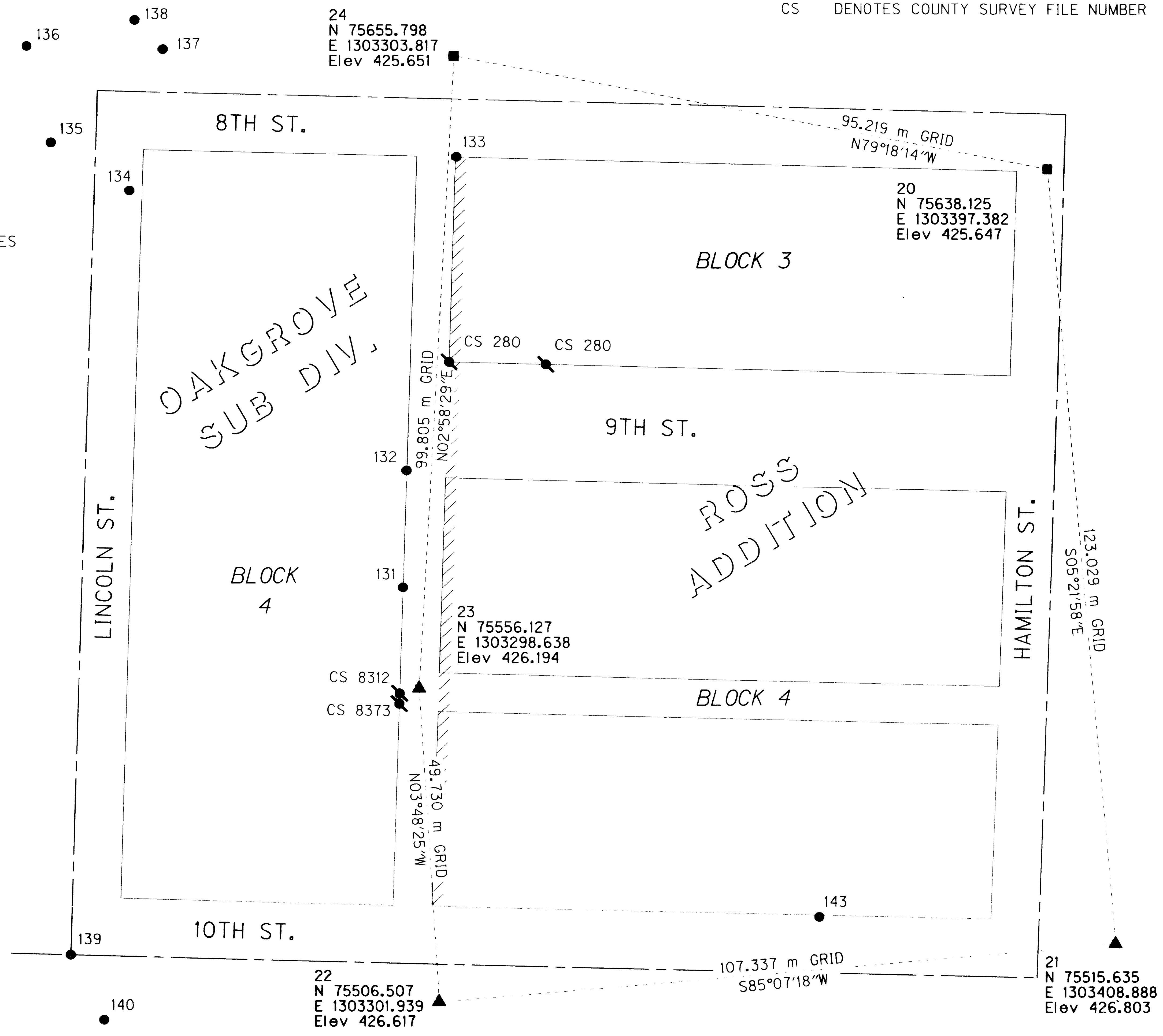
RECEIVED
Date: 1-25-02 By: *[Signature]*
This survey consists of:
4 sheet(s) Map
2 page(s) Narrative
JACKSON COUNTY SURVEYOR



SCALE 1:500



1 FOOT = 0.3048 METERS EXACTLY

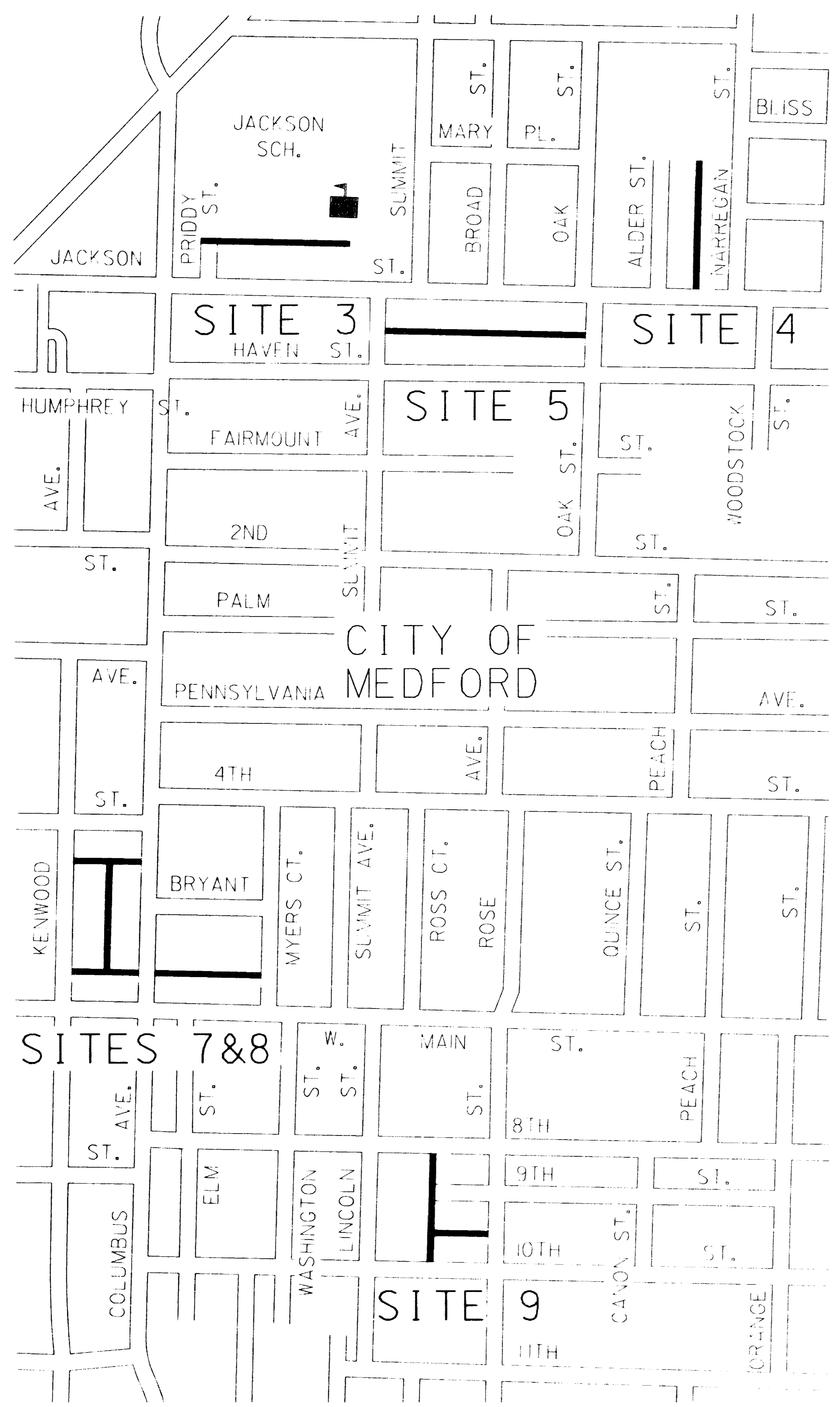


** RECEIVED **
 Date 8-25-02 By RL
 This survey consists of:
4 sheet(s) Map
0 page(s) Narrative
 JACKSON COUNTY
 SURVEYOR

RCL 08-27-01
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 RCL 01-15-02
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 03-14-02
 PLOT

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

 OREGON
 JULY 14, 1988
 ROBERT C. LENNOX
 2886
 RENEWS 12-31-2002



NOT TO SCALE

NARRATIVE

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY WAS TO RECOVER EXISTING MONUMENTS ALONG THE PROPOSED ROUTES OF SEVERAL ALLEY PAVING PROJECTS FOR THE CITY OF MEDFORD. THE LOCATION OF THE INDIVIDUAL PROJECT AREAS ARE SHOWN ON THE ACCOMPANYING SITE MAP. BECAUSE CONSTRUCTION MAY DISTURB OR DESTROY EXISTING RECORD SURVEY MONUMENTS, THIS SURVEY ALSO SERVES TO REFERENCE THOSE MONUMENTS IN CONFORMANCE WITH O. R. S. 209.150(2)(A) AND O. R. S. 209.150(3). ALL SURVEY RESEARCH AND MONUMENT RECOVERY WAS PERFORMED BY THE CITY OF MEDFORD WITH MONUMENT LOCATION PERFORMED BY OTAK, INC. ALL MONUMENTS WERE FOUND IN "GOOD CONDITION" UNLESS OTHERWISE NOTED ON THE INDIVIDUAL DETAIL SHEETS. NO MONUMENTS WERE RECOVERED WITHIN SITES 4 AND 5, THEREFORE NO DETAIL SHEETS ARE INCLUDED FOR THESE SITES. THE ROW AND PROPERTY LINES SHOWN IN THIS SURVEY ARE FOR REFERENCE ONLY AND ARE NOT INTENDED TO INDICATE THE TRUE LOCATIONS OF THOSE LINES.

BASIS OF BEARING

THE BASIS OF BEARING FOR THIS SURVEY IS GRID NORTH.

HORIZONTAL DATUM

GPS OBSERVATIONS WERE MADE ON JULY 18, 2001 USING LEICA SR399 DUAL FREQUENCY RECEIVERS. THE OBSERVATIONS WERE PROCESSED USING LEICA SKI VERSION 2.3. TERRESTRIAL OBSERVATIONS WERE MADE DURING THE PERIOD OF JULY 19 THROUGH JULY 30, 2001 USING A GEODIMETER 610 TOTAL STATION INSTRUMENT. GPS AND TERRESTRIAL OBSERVATIONS WERE ADJUSTED SIMULTANEOUSLY USING THE LEAST SQUARES ADJUSTMENT PROGRAM STAR*NET-PRO, VERSION 6.0.18. THE NETWORK WAS CONSTRAINED TO THE RECORD NAD '83(91) OREGON SOUTH STATE PLANE COORDINATES OF STATION #1, CITY OF MEDFORD GEODETIC CONTROL NETWORK. THE RECORD POSITION OF STATION #1 WAS VERIFIED WITH ADDITIONAL GPS TIES TO STATIONS #170 AND #229 RESULTING IN A RELATIVE PRECISION OF GREATER THAN 1:120000.

VERTICAL DATUM

LEVELS WERE RUN USING A LEICA NA2002 ELECTRONIC LEVEL. THE LINES AND CIRCUITS FOR SITES 3, 4 AND 5 WERE CONSTRAINED TO THE CITY OF MEDFORD BENCH MARK "D132", BEING A BRASS CAP LOCATED IN A CURB INLET AT THE SOUTHEAST CORNER OF JACKSON ST. AND SUMMIT AVE. THE LINES AND CIRCUITS FOR SITES 7, 8 AND 9 WERE CONSTRAINED TO THE CITY OF MEDFORD BENCH MARKS "D103" AND "C55". "D103" IS A BRASS CAP LOCATED IN THE WEST CURB OF WESTERN AVE. AT THE SOUTHWEST CORNER OF WESTERN AVE. AND LOCUST ST. "C55" IS AN OREGON STATE HIGHWAY DIVISION BRASS CAP LOCATED IN THE NORTH CURB OF 8TH ST. AT THE NORTHEAST CORNER OF 8TH ST. AND LINCOLN ST. ADDITIONAL CITY OF MEDFORD BENCH MARKS WERE PASSED THROUGH FOR ELEVATION VERIFICATION. PUBLISHED NGVD '29(47) VALUES WERE CONVERTED TO METERS AND ADJUSTED USING THE LEAST SQUARES ADJUSTMENT PROGRAM STAR*LEV.

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	SITE MAP AND NARRATIVE
2	SITE 3 MONUMENT POSITIONS AND CONTROL
3	SITE 7&8 MONUMENT POSITIONS AND CONTROL
4	SITE 9 MONUMENT POSITIONS AND CONTROL

PRE-CONSTRUCTION SURVEY
 MEDFORD ALLEYS

LOCATED IN THE SE & SW 1/4 OF SECTION 24; NE, NW & SW 1/4 OF SECTION 25; T. 37 S., R. 2 W., W. M. JACKSON COUNTY, OREGON
 FOR THE CITY OF MEDFORD

otak
 SINCE 1961
 Incorporated
 17355 SW Boones Ferry Rd.
 Lake Oswego, Oregon 97035
 Phone: (503) 635-3618
 FAX: (503) 635-5395

11 031 - 001 - 001
 PROJECT NO.
 11 031 PCS. DGN
 FILE NO.
 1 OF 4
 SHEET NO.

RECEIVED
 Date: 3-25-02 By: AB
 This survey consists of:
 4 sheet(s) Map
 2 page(s) Narrative
 JACSON COUNTY SURVEYOR

RCL 08-27-01
 CALCULATED
 JVO 10-02-01
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 03-14-02
 PLOT

LEGEND

- ▲ SET 16 mm X 760 mm REBAR WITH RED PLASTIC CAP STAMPED "OTAK CONTROL"
- SET PK NAIL AND 38 mm BRASS WASHER STAMPED "OTAK CONTROL"
- FOUND MONUMENT, DESCRIPTION AS NOTED
- RIGHT OF WAY
- - - RIGHT OF WAY CENTERLINE
- CS DENOTES COUNTY SURVEY FILE NUMBER

RECORD MONUMENT AND POSITION DATA

POINT	NORTHING	EASTING	REFERENCE	DESCRIPTION
123	76609.763	1303079.530	CS 10826	50 mm BRASS DISK IN CONCRETE, FLUSH W/ROAD SURFACE
124	76652.738	1303153.961	NOTE 1	25 mm (OUTSIDE DIA.) IRON PIPE, FLUSH
157	76606.604	1303226.885	CS 10826	50 mm BRASS DISK IN CONCRETE, FLUSH W/ROAD SURFACE

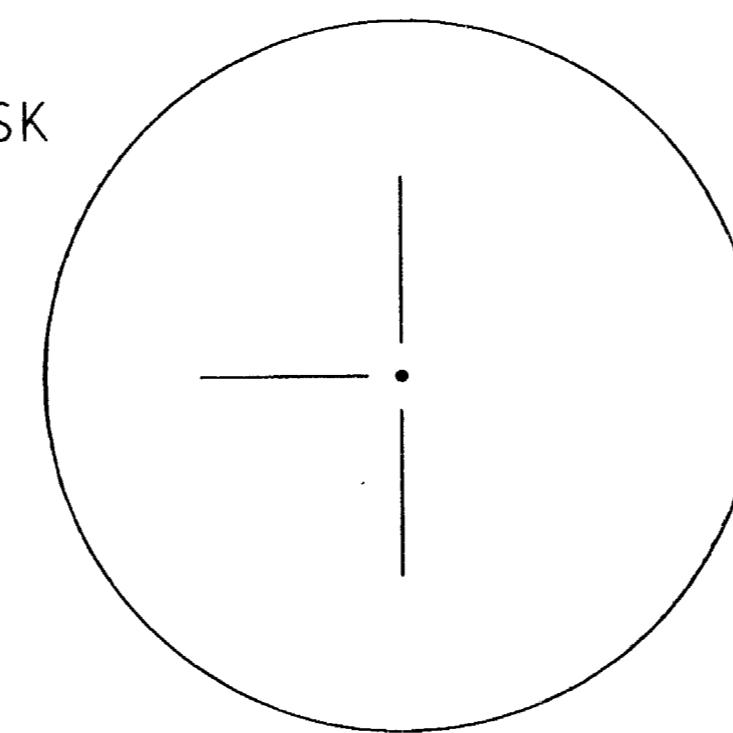
REFERENCE NOTES

- 1 UNKNOWN SOURCE OF MONUMENT (MONUMENT NOT OF RECORD)

NOTE:
 COORDINATES SHOWN ARE STATE PLANE COORDINATES
 (SEE NARRATIVE ON SHEET 1 OF THIS SURVEY)

#123 AND #157

50 mm
 BRASS DISK



12
 N 76701.931
 E 1303224.664
 Elev 418.009

79.963 m GRID
 S64°07'21"W

73.718 m GRID
 S77°22'00"W

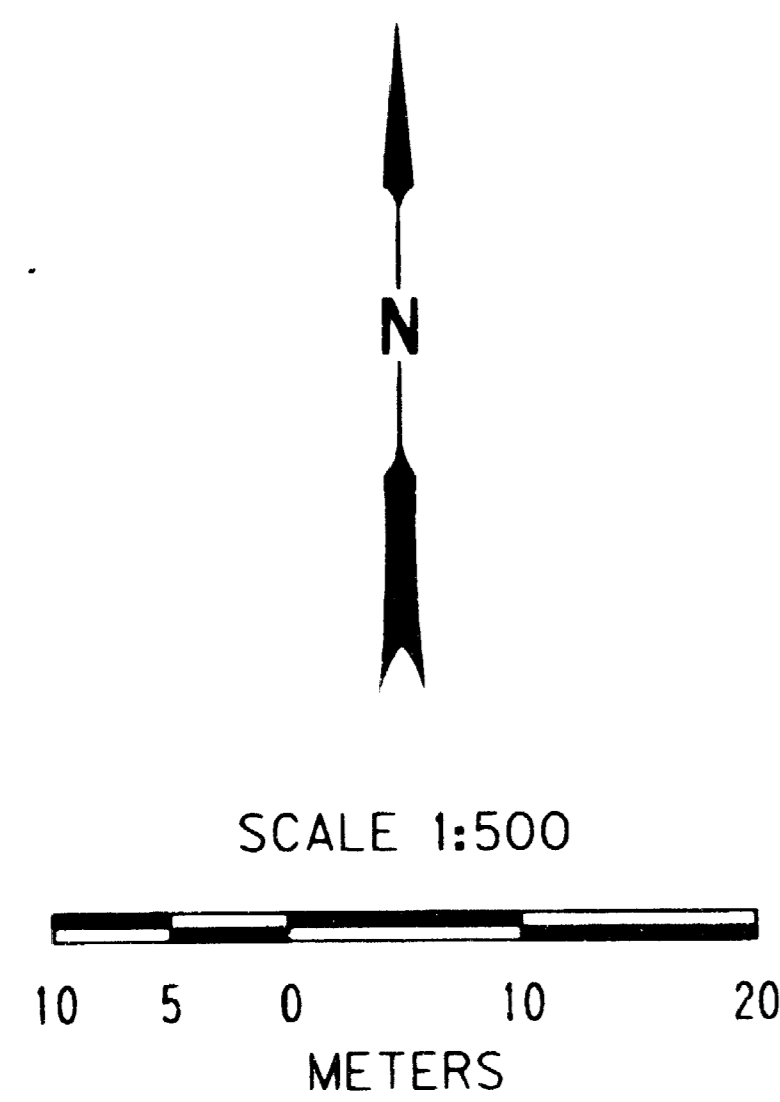
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 N 76650.909
 E 1303080.785
 Elev 418.482

11
 N 76667.032
 E 1303152.719
 Elev 418.661

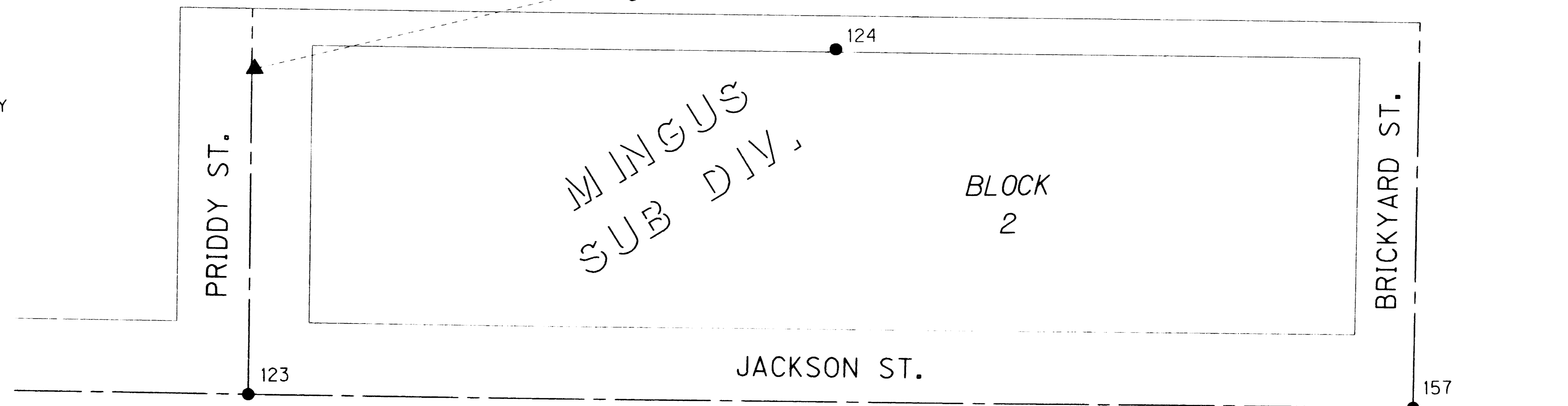
124

123

157



1 FOOT = 0.3048 METERS EXACTLY



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR
 Robert C. Lennox
 OREGON
 JULY 14, 1988
 ROBERT C. LENNOX
 2886
 RENEWS 12-31-2002

PRE-CONSTRUCTION SURVEY
 MEDFORD ALLEYS - SITE 3

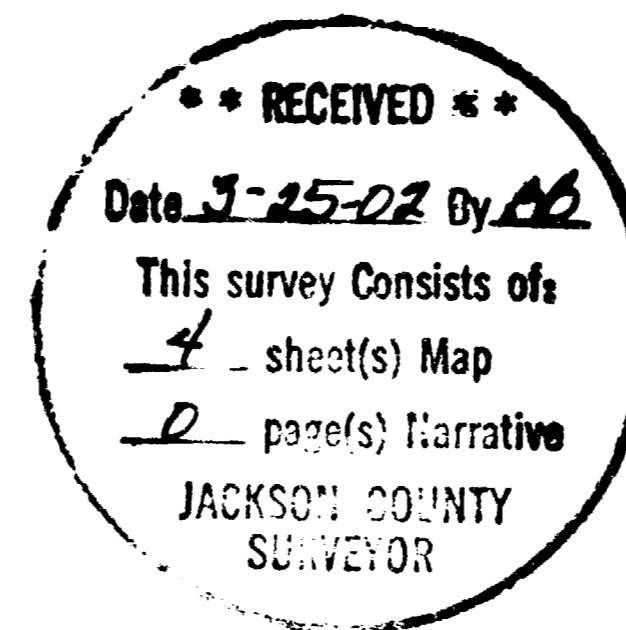
LOCATED IN THE SW 1/4 OF SECTION 24,
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 FOR THE CITY OF MEDFORD

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RECORD MONUMENT AND POSITION DATA

POINT	NORTHING	EASTING	REFERENCE	DESCRIPTION
146	75891.857	1302953.463	NOTE 1	25 mm IRON ROD, FLUSH
147	75907.347	1302954.056	NOTE 1	50 mm BOLT, FLUSH, BENT SLIGHTLY NORTH, TIED AT BEND
148	75937.681	1302954.774	NOTE 1	19 mm GALVANIZED PIPE (INSIDE DIA.), DOWN 150 mm
149	75922.522	1302958.805	NOTE 1	16 mm IRON PIPE (INSIDE DIA.), UP 440 mm
151	75850.165	1302897.386	CS 11778	PK NAIL IN YELLOW PLASTIC WASHER (UNREADABLE), SET IN SIDEWALK (STAMPED "TEMPLIN 2359" PER CS 11778)
170	75921.090	1302999.189	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE
171	75904.380	1303000.407	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE
172	75906.876	1303015.879	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE
173	75920.693	1303015.930	NOTE 2	38 CALIBER BRASS SHELL CASING IN CONCRETE
177	75859.593	1303100.357	CS 12027	16 mm IRON ROD W/ORANGE PLASTIC CAP, DOWN 60 mm, STAMPED "MADE IN USA" (STAMPED "ANDREWS PLS 1626" PER CS 12027)



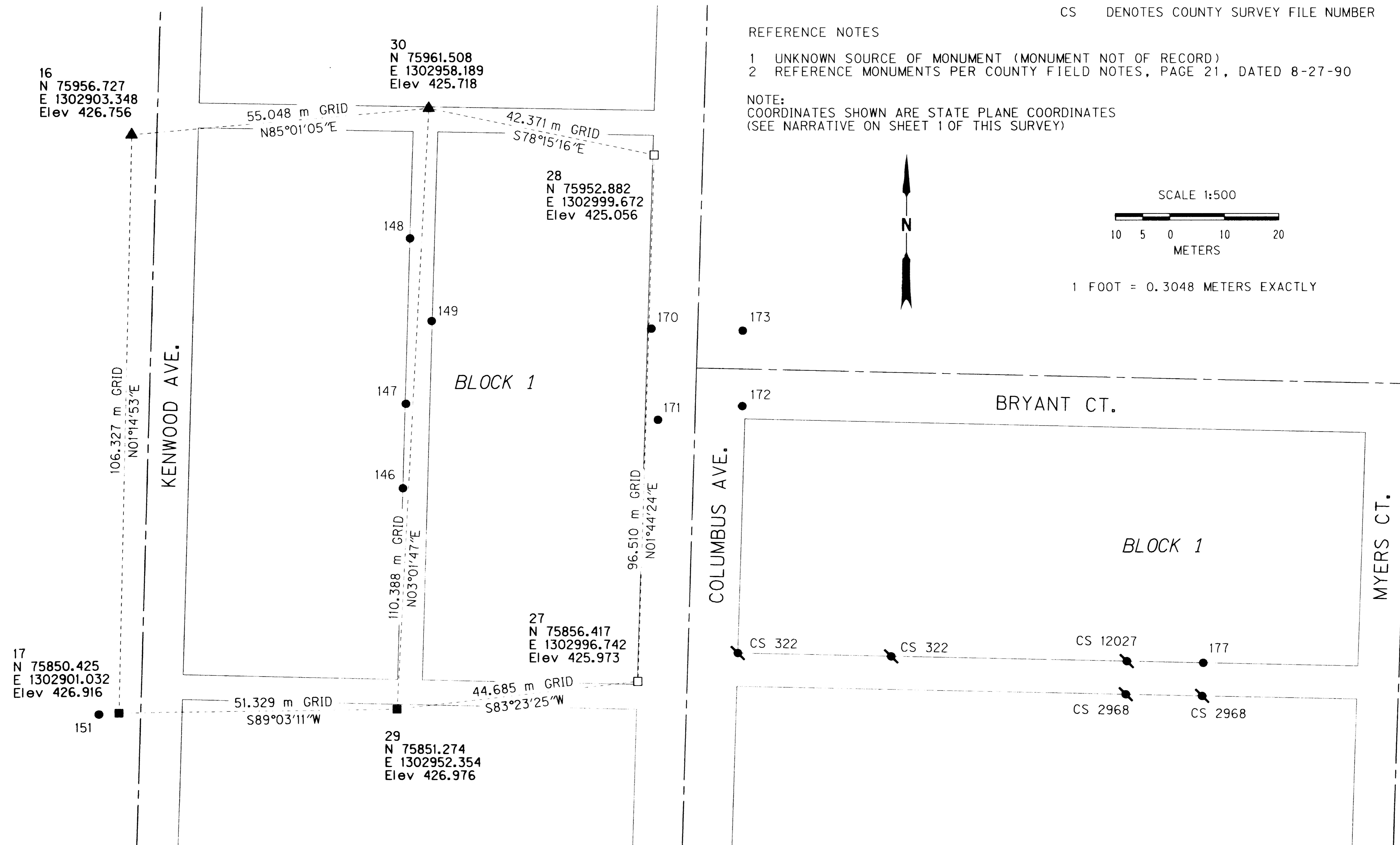
LEGEND

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- SET PK NAIL AND 38 mm BRASS WASHER STAMPED "OTAK CONTROL"
- SET BRASS SCREW AND 20 mm WASHER STAMPED "OTAK CONTROL"
- FOUND MONUMENT, DESCRIPTION AS NOTED
- MONUMENT FROM COUNTY SURVEY (CS ****) SEARCHED FOR BUT NOT FOUND
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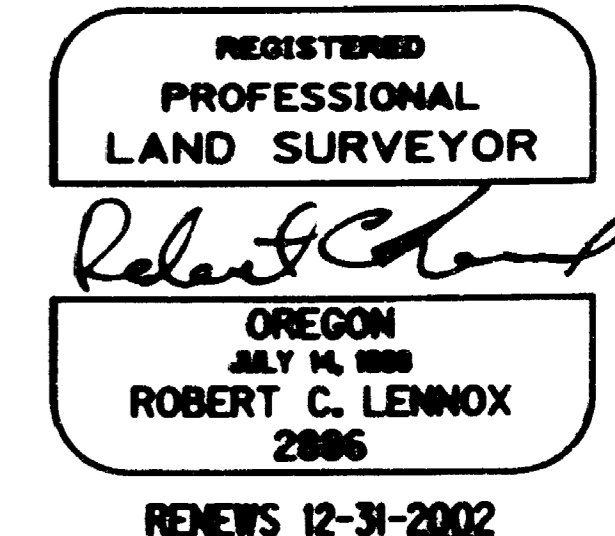
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- 2 REFERENCE MONUMENTS PER COUNTY FIELD NOTES, PAGE 21, DATED 8-27-90

NOTE:
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(SEE NARRATIVE ON SHEET 1 OF THIS SURVEY)



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CALCULATED
JVO 10-02-01
DRAWN
RCL 01-15-02
CHECKED BY
03-14-02
PLOT



PRE-CONSTRUCTION SURVEY
MEDFORD ALLEYS - SITES 7 & 8

LOCATED IN THE NW 1/4 OF SECTION 25,
T. 37 S., R. 2 W., W.M.,
JACKSON COUNTY, OREGON
FOR THE CITY OF MEDFORD



Incorporated
17355 SW Boones Ferry Rd.
Lake Oswego, Oregon 97035
Phone: (503) 635-3618
Fax: (503) 635-5395

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