

RECORD MONUMENT AND POSITION DATA

POINT	NORTHING (m)	EASTING (m)	REFERENCE	DESCRIPTION
100	78244.012	1303568.586	CS 16154	16 mm IRON ROD W/RED PLASTIC CAP, UP 30 mm, STAMPED "D. HUCK LS2023"
101	78247.576	1303443.301	NO RECORD	16 mm IRON ROD W/50 mm ALUMINUM CAP, UP 140 mm, STAMPED "LS1086"
102	78258.403	1303370.925	NO RECORD	10 mm IRON ROD, UP 30 mm
103	78259.263	1303352.928	NO RECORD	10 mm IRON PIPE, DOWN 130 mm
104	78318.673	1303408.016	CS 6612	16 mm IRON ROD, DOWN 170 mm
105	78290.599	1303322.887	CS 5452	16 mm IRON ROD, BENT WESTERLY, TIED BEND, DOWN 200 mm
106	78251.450	1303307.027	CS 16154	16 mm IRON ROD W/RED PLASTIC CAP, FLUSH, STAMPED "D. HUCK LS2023"
107	78249.787	1303298.442	CS 15799	16 mm IRON ROD W/50 mm ALUMINUM CAP, FLUSH, STAMPED "LS1086"
108	78245.802	1303299.164	CS 16154	16 mm IRON ROD W/RED PLASTIC CAP, FLUSH, STAMPED "D. HUCK LS2023"
110	78274.839	1303279.042	CS 15255	16 mm IRON ROD W/50 mm ALUMINUM CAP, NO PUNCH - TIED CENTER, FLUSH, STAMPED "LS1086"
111	78284.627	1303269.846	NO RECORD	16 mm IRON ROD W/RED PLASTIC CAP, FLUSH, STAMPED "D. HUCK LS2023"
112	78322.114	1303289.205	CS 11867	16 mm IRON ROD W/YELLOW PLASTIC CAP, UP 60 mm, STAMPED "FARBER LS2189"
113	78367.660	1303290.431	NOTE 1	30 mm SPIKE, FLUSH
114	78425.800	1303292.151	CS 2923	16 mm IRON ROD, SLIGHTLY BENT, DOWN 260 mm
115	78393.971	1303405.569	CS 6741	16 mm IRON ROD, NO CAP, FLUSH
116	78421.368	1303406.406	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
117	78438.036	1303376.447	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
118	78438.594	1303376.467	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
119	78438.636	1303375.374	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
120	78477.256	1303305.937	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
121	78485.571	1303290.985	NOTE 2	LEAD PLUG AND TACK WITH WASHER STAMPED "LS1913"
122	78406.206	1303440.994	CS 8845	16 mm IRON ROD W/YELLOW PLASTIC CAP, DOWN 100 mm, CAP UNREADABLE

REFERENCE NOTES

- 1 16 mm (5/8") IRON PIN SET IN 1965 PER CS 2923
- 2 UNRECORDED SURVEY; JANA ADDITION SUBDIVISION, DOUGLAS C. MCMAHAN, PLS 1913

NARRATIVE

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY WAS TO RECOVER EXISTING MONUMENTS ALONG THE PROPOSED ROUTE OF A STREET PAVING PROJECT. THE PROJECT AREA INCLUDES LYNN STREET FROM STATE HIGHWAY 99 SOUTH TO GORE AVENUE, GORE AVENUE FROM LYNN STREET EAST TO ELM STREET, AND ELM STREET NORTH TO STATE HIGHWAY 99. ALL PLAT CORNERS WITHIN THE PROJECT AREA AND MONUMENTS INDICATED ON SHEET ONE OF THIS SURVEY WERE SEARCHED FOR BY THE CITY OF MEDFORD, WITH MONUMENT LOCATIONS PERFORMED BY OTAK, INC. 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). THE RIGHT OF WAY AND PROPERTY LINES SHOWN ON 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 DERIVED FROM GPS OBSERVATIONS.

HORIZONTAL DATUM

GPS OBSERVATIONS WERE MADE ON MAY 8, 2001 USING LEICA SR399 DUAL FREQUENCY RECEIVERS. THE OBSERVATIONS WERE PROCESSED USING LEICA SKI, VERSION 2.3. TERRESTRIAL OBSERVATIONS WERE MADE DURING THE WEEK OF APRIL 16-20, 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 229, CITY OF MEDFORD GEODETIC CONTROL NETWORK. THE RECORD POSITION OF STATION *229 WAS VERIFIED WITH ADDITIONAL GPS TIES TO STATIONS *136 AND *154 RESULTING IN A RELATIVE PRECISION OF GREATER THAN 1:42000.

VERTICAL DATUM

LEVELS WERE RUN USING A LEICA NA2002 ELECTRONIC LEVEL. ALL LINES AND CIRCUITS WERE CONSTRAINED TO CITY OF MEDFORD BENCH MARKS "D121" AND "D122". "D121" IS A 63 mm BRASS DISK SET IN THE SOUTHERLY CURB OF HIGHWAY 99, APPROXIMATELY 360 m NORTH WESTERLY OF LYNN STREET, WITH A CITY OF MEDFORD PUBLISHED NGVD '29(47) ELEVATION OF 1324.626 FEET. "D122" IS A 63 mm BRASS DISK SET IN THE EASTERLY CURB OF HAZEL STREET AT THE SOUTH EAST QUADRANT OF HAZEL STREET AND HIGHWAY 99, WITH A CITY OF MEDFORD PUBLISHED NGVD '29(47) ELEVATION OF 1327.071 FEET. THE RECORD VALUES WERE CONVERTED TO METERS AND THE MEASUREMENTS ADJUSTED USING THE LEAST SQUARES ADJUSTMENT PROGRAM STAR*LEV, VERSION 1.26.

1 FOOT = 0.3048 METERS EXACTLY

DATE
JVO 05-01
CALCULATED
JVO 6-08-01
DRAWN
RCL 6-14-01
CHECKED BY DATE
10-10-01
PLOT DATE

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Robert C. Lennox
OREGON
JULY 14, 1988
ROBERT C. LENNOX
2886

RENEWS 12-31-2002

METRIC
SURVEY
REGION 3

PRE-CONSTRUCTION SURVEY
MEDFORD STREET PAVING

LOCATED IN THE SW 1/4 OF SECTION 13,
T. 37 S., R. 2 W.,
JACKSON COUNTY, OREGON

FOR OREGON DEPARTMENT OF TRANSPORTATION
AND CITY OF MEDFORD

otak
SINCE
1961

Incorporated

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

10307-002-002
PROJECT NO.

10307-02PCS.DGN
FILE NO.

2 OF 2
SHEET NO.

**** RECEIVED ****
 Date 7-30-02 By AL
 This survey consists of:
 2 sheet(s) Map
 2 page(s) Narrative
 JACKSON COUNTY SURVEYOR

229
 N 78443.610
 E 1303451.500
 Elev 404.620

2
 N 78402.860
 E 1303438.907
 Elev 405.004

7
 N 78322.338
 E 1303453.626
 Elev 404.993

6
 N 78248.161
 E 1303441.442
 Elev 405.862

9
 N 78256.500
 E 1303401.212
 Elev 405.525

5
 N 78251.908
 E 1303361.673
 Elev 406.127

4
 N 78261.170
 E 1303292.986
 Elev 406.341

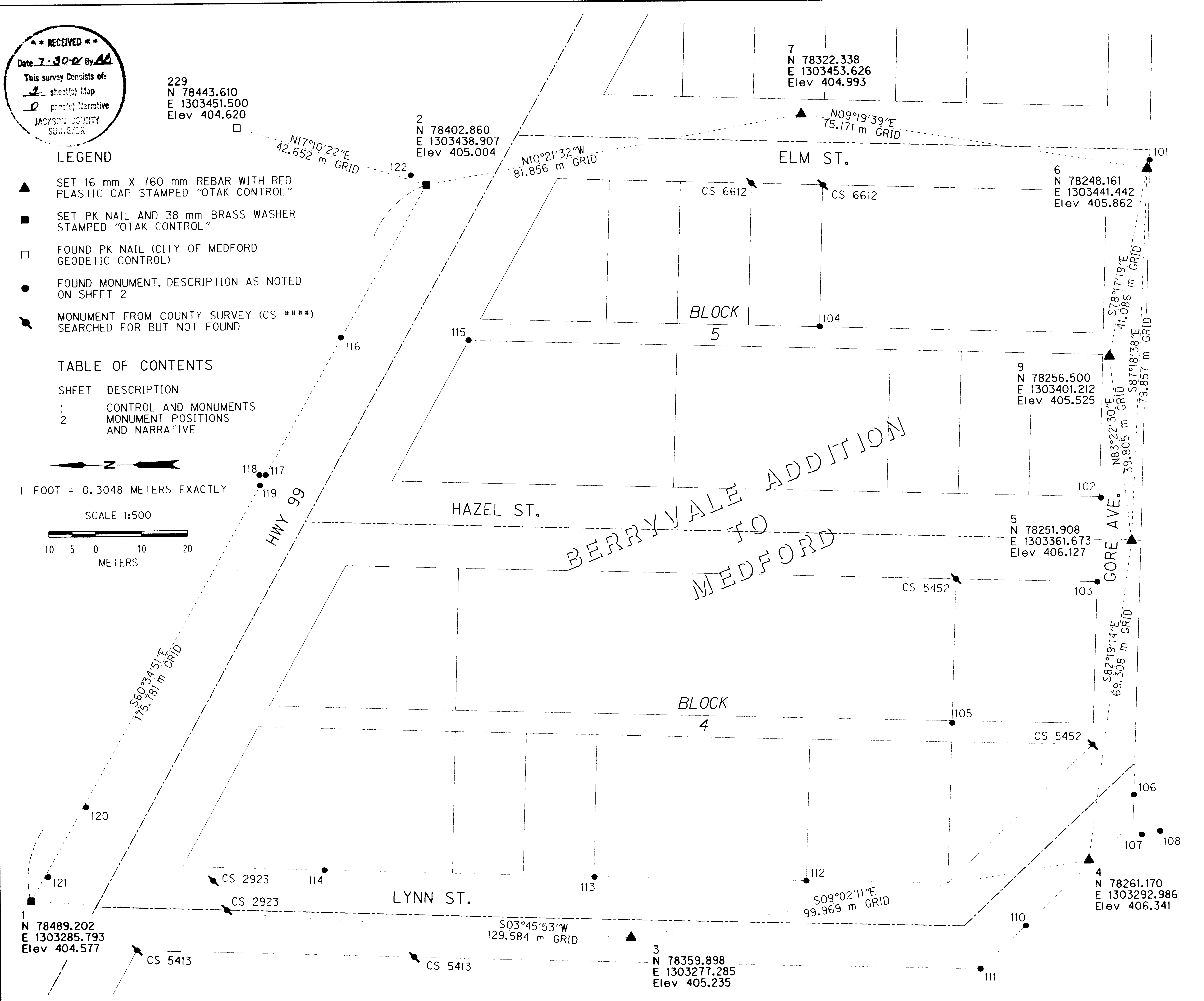
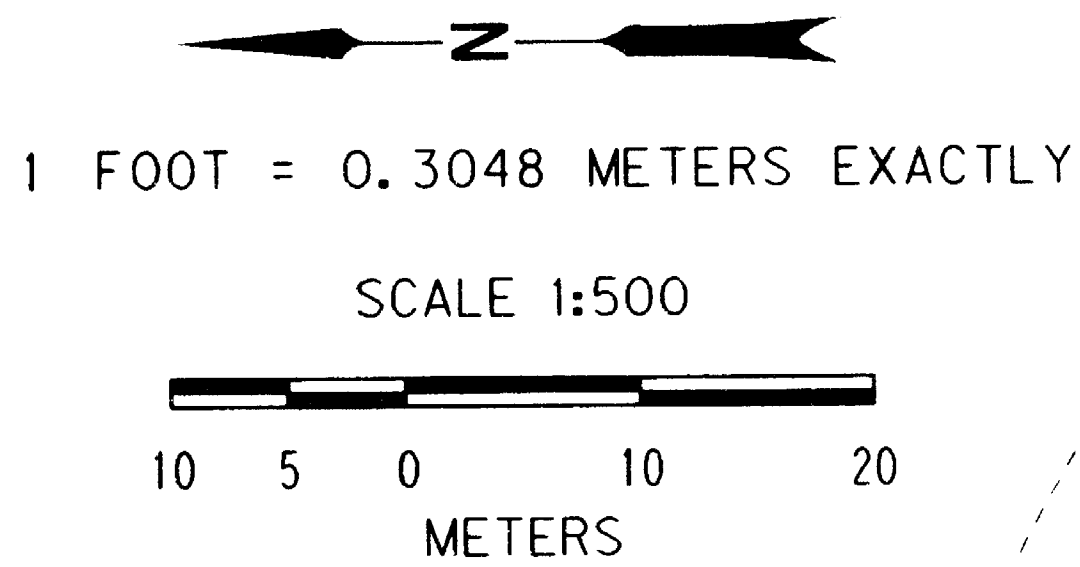
3
 N 78359.898
 E 1303277.285
 Elev 405.235

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 PK NAIL (CITY OF MEDFORD GEODETIC CONTROL)
- FOUND MONUMENT, DESCRIPTION AS NOTED ON SHEET 2
- MONUMENT FROM COUNTY SURVEY (CS ####) SEARCHED FOR BUT NOT FOUND

TABLE OF CONTENTS

SHEET	DESCRIPTION
1	CONTROL AND MONUMENTS
2	MONUMENT POSITIONS AND NARRATIVE



DATE JVO 05-01
 CALCULATED JVO 6-08-01
 DRAWN RCL 6-14-01
 CHECKED BY DATE 10-10-01
 PLOT DATE

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



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 MEDFORD STREET PAVING
 LOCATED IN THE SW 1/4 OF SECTION 13,
 T. 37 S., R. 2 W., W.M.,
 JACKSON COUNTY, OREGON
 FOR OREGON DEPARTMENT OF TRANSPORTATION
 AND CITY OF MEDFORD

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

10307-002-002
 PROJECT NO.
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 1 OF 2
 SHEET NO.