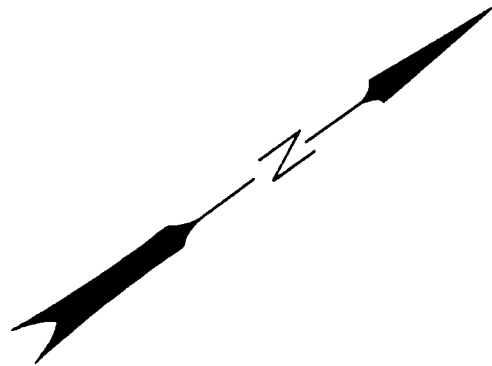


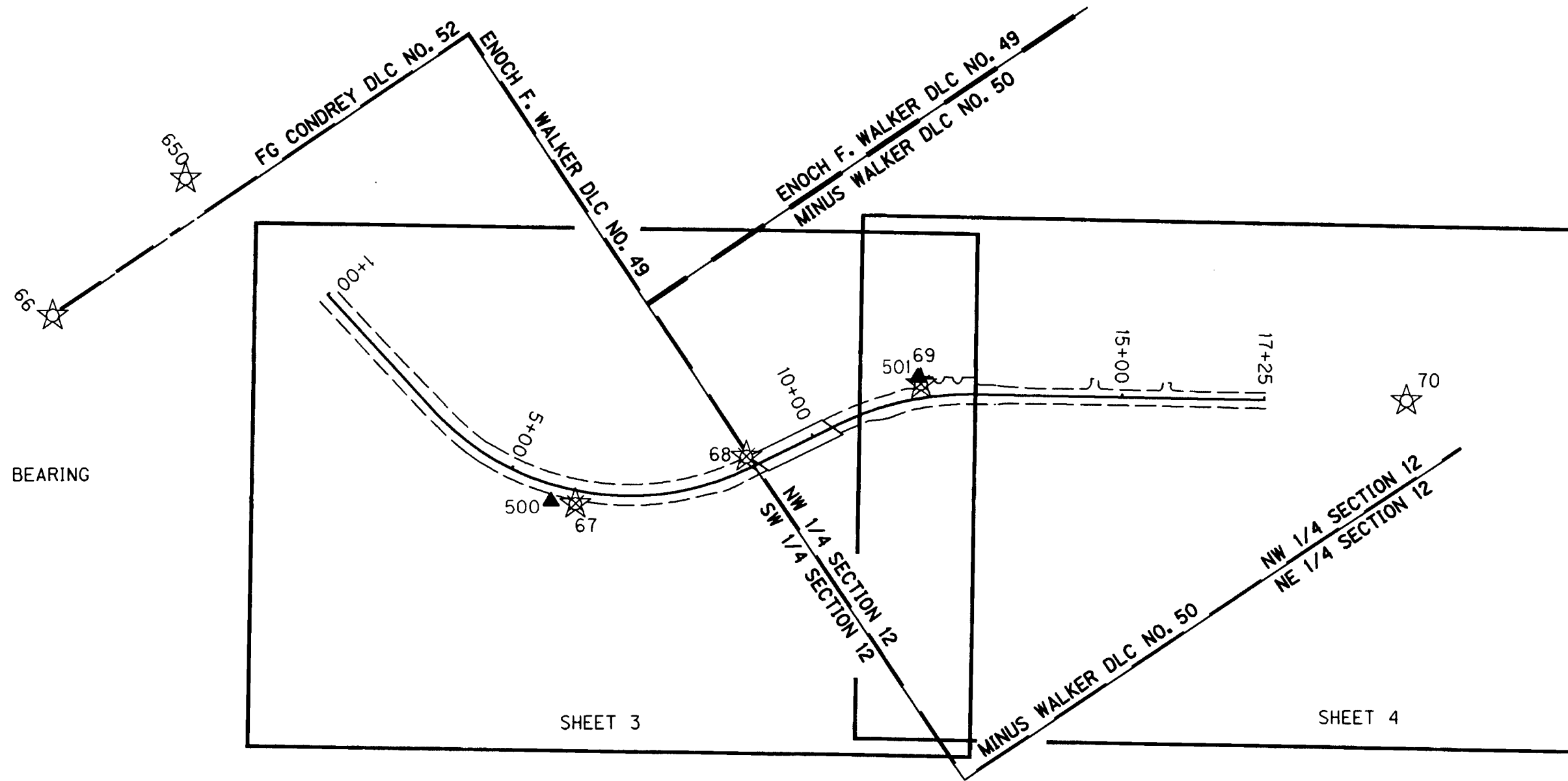
NE 1/4 SEC 12 T39S R1E WM
 NW 1/4 SEC 12 T39S R1E WM
 SW 1/4 SEC 12 T39S R1E WM

** RECEIVED **
 DATE 7-5-07 BY *bb*
 This survey consists of:
 4 sheet(s) Map
 0 page(s) Narrative
 JACKSON COUNTY SURVEYOR



SHEET INDEX

1. SHEET LAYOUT AND SHEET INDEX
2. CONTROL NETWORK AND BASIS OF BEARING
- 3.-4. SURVEY



SHEET LAYOUT DIAGRAM
 NOT TO SCALE

LEGEND	
☆	FOUND GPS NETWORK POINT
▲	SET NETWORK POINT
×	DESTROYED NETWORK POINT

NARRATIVE

THE PURPOSE OF THIS SURVEY WAS TO MONUMENT THE NEW RIGHT-OF-WAY ACQUIRED FOR THE CONSTRUCTION OF DEAD INDIAN MEMORIAL ROAD NEAR THE BRIDGE OVER EMIGRANT CREEK (COUNTY BRIDGE NO. 37). THIS SURVEY WAS MADE AT THE REQUEST OF JACKSON COUNTY ROADS AND PARKS SERVICE AND WAS DESIGNED TO PERPETUATE THE ENGINEER'S ALIGNMENT AND NEW RIGHT-OF-WAY FOR THE PROJECT IN CONFORMANCE WITH O.R.S. 209.155. CONSTRUCTION OF THIS PROJECT WAS COMPLETED BETWEEN MAY 2005 AND SEPTEMBER 2006. THE MONUMENTS FOR THE NEW RIGHT-OF-WAY TAKES WERE SET ON JUNE 4, 2007.

REFERENCE SURVEYS USED: COUNTY SURVEYS NUMBERED 3973, 13010, 12760, 4016, 2470, 5058, 4297, 3645, 4462, 15329, 7182, 4366, AND 18489, BEING A RETRACEMENT SURVEY BY OBEC CONSULTING ENGINEERS, DATED AUGUST 2004

REFERENCE DOCUMENTS USED: VOLUME 170 PAGE 513 OF THE DEED RECORDS OF JACKSON COUNTY, OREGON AND DOCUMENT NUMBER 85-06540 OF THE OFFICIAL RECORDS OF JACKSON COUNTY, OREGON.

REFERENCE RIGHT-OF-WAY TAKE DEEDS: DOCUMENTS NUMBERED 05-20318, 05-18629 AND 05-18267 OF THE OFFICIAL RECORDS OF JACKSON COUNTY, OREGON.

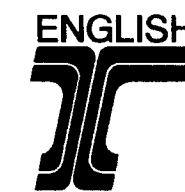
DURING THE COURSE OF THE ADDITIONAL RIGHT-OF-WAY ACQUISITIONS JACKSON COUNTY ADDED "THAT PORTION OF TAX LOT 600 LYING WESTERLY OF DEAD INDIAN MEMORIAL ROAD (CONSISTING OF APPROXIMATELY 0.75 ACRES)". THE LAST DEED OF RECORD FOR THIS TAX LOT IS DOCUMENT NUMBER 97-27161 (TRACT B) OF THE OFFICIAL RECORDS OF JACKSON COUNTY, OREGON AND SHOWN AS PARCEL 1 OF PARTITION PLAT NUMBER P-42-1992, FILED AS SURVEY NUMBER 12942 IN THE OFFICE OF THE JACKSON COUNTY SURVEYOR. ACCORDING TO SAID DOCUMENT NUMBER 97-27161 THE OWNERSHIP OF SAID TAX LOT CALLS TO THE NORTH LINE OF GOVERNMENT LOT 7, WHICH IS CONTROLLED BY THE SOUTH LINE OF DONATION LAND CLAIM NUMBER 50. EXTENSIVE RESEARCH WAS DONE AND NO EVIDENCE OR REESTABLISHMENTS OF THIS LINE WERE FOUND. PAST SURVEYS DO NOT INDICATE BEING ABLE TO DETERMINE THE LOCATION OF THIS LINE. FIELD SEARCHES FOR EVIDENCE OF THE DLC CORNERS DID NOT REVEAL ANY EVIDENCE OF THE ORIGINAL CORNER LOCATIONS. THEREFORE THE LOCATION OF THIS LINE IS SHOWN PER THE DEED DISTANCE AND WAS NOT DETERMINED IN THE FIELD. A WITNESS MONUMENT (POINT NO. 6039) WAS SET ON THE WEST LINE OF SAID DOC. NO. 97-27161 AS SHOWN ON SHEET 3.

AS SHOWN ON RETRACEMENT SURVEY NUMBER 18489 SHOWS THAT THE ORIGINAL BRIDGE NO. 37 DID NOT LIE WITHIN AN EXISTING RIGHT-OF-WAY. IT WAS FOUND TO LIE WITHIN A PORTION OF THAT PROPERTY DESCRIBED IN VOLUME 164, PAGE 281 OF THE DEED RECORDS OF JACKSON COUNTY, OREGON, AND IS VESTED TO A MINNIE PARKER. THIS PARCEL IS A REMAINDER OF A LARGER TRACT OF LAND THAT WAS PARCELED-OUT OVER TIME. THERE IS NO TAX LOT ASSIGNED TO IT AND THE COUNTY CLAIMS THAT THE BRIDGE HAS BEEN THERE FOR SO LONG THAT THEY HAVE PRESCRIPTIVERIGHT TO THIS PORTION OF THE ROADWAY. AS A RESULT, NO ADDITIONAL RIGHT-OF-WAY WAS ACQUIRED FROM THIS TRACT OF LAND AND THE NEW BRIDGE AND ROADWAY ARE OUTSIDE OF THE EXISTING RIGHT-OF-WAY AS DEPICTED HEREIN.

THIS SURVEY WAS PERFORMED IN INTERNATIONAL FEET WITH THE BEARING BASE FROM THE ORIGINAL CONTROL NETWORK BEING GRID NORTH PER OREGON SOUTH STATE PLANE NAD 83(98), AS ESTABLISHED ON SURVEY NUMBER 18489. THE CONVERGENCE ANGLE AT POINT NUMBER 650 IS -01°28'27" TO GEODETIC (TRUE) NORTH.

THE SURVEY EQUIPMENT FOR THIS MONUMENTATION SURVEY CONSISTED OF A TRIMBLE S-6 ROBOTIC TOTAL STATION, AND A TRIMBLE TSC2 DATA COLLECTOR WITH TRIMBLE SURVEY CONTROLLER SOFTWARE.

FILE NAME: 114046mon.dgn



REGISTERED PROFESSIONAL LAND SURVEYOR

ANDREW D. AUSLAND
 OREGON
 JULY 15, 2003
 56136

RENEWAL DATE: DEC. 31, 2007
 SIGNED: *Andrew D. Ausland*

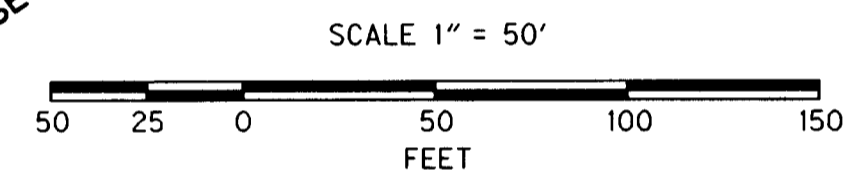
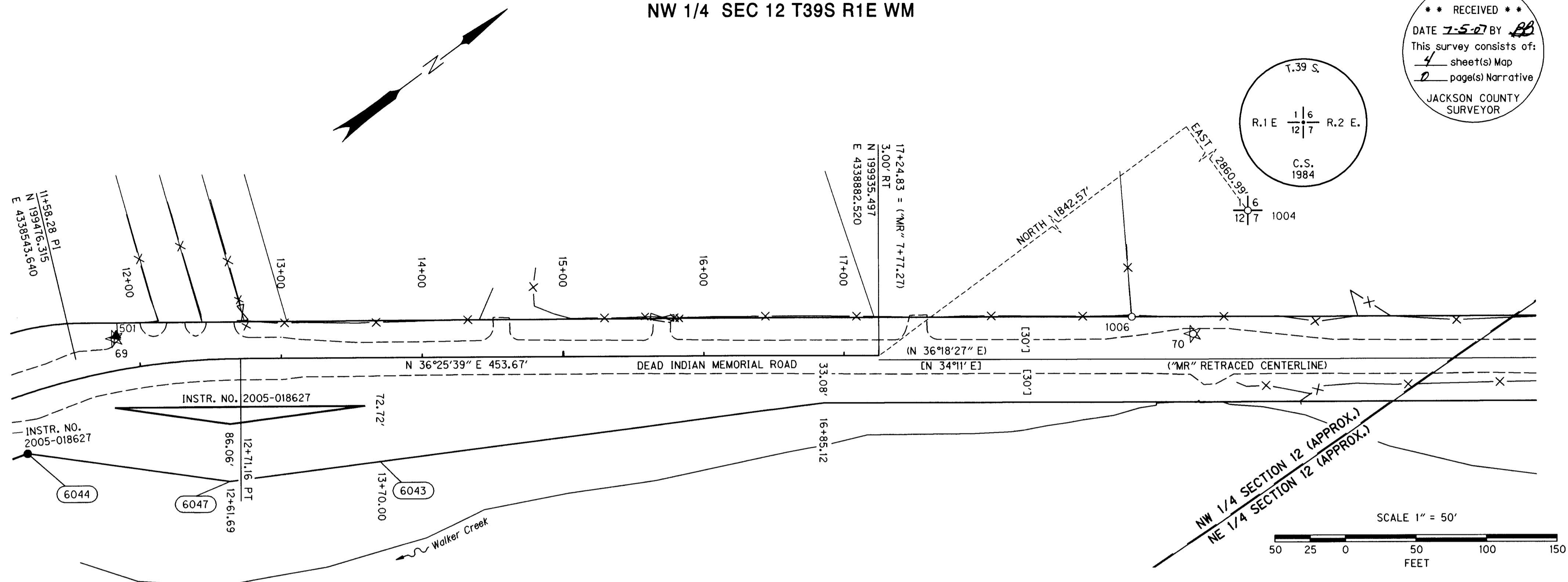
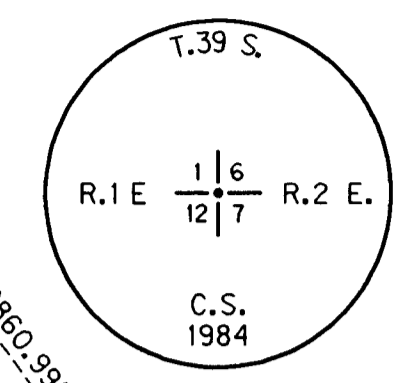
OBEC CONSULTING ENGINEERS
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6088, 541-883-8000
 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1286, 503-588-4100
 1335 POPLAR DRIVE MEDFORD, OREGON 97504-5207, 541-774-5590
 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

MONUMENTATION SURVEY
**DEAD INDIAN MEMORIAL ROAD
 EMIGRANT BRIDGE**
 FOR JACKSON COUNTY
 ROADS, PARKS AND PLANNING SERVICES
 JUNE 2007

JIM COLTON	OBEC	JACKSON COUNTY, OREGON	NO SCALE
APPROVED BY: SUR. GRP. MGR. TITLE	DESIGNED: ANDREW AUSLAND	PROJ. NO. 114-046.5	SHT. 1 OF 4
	DRAWN: R. BEAUSOLEIL	CHK'D: WAYNE DONOVAN	

NE 1/4 SEC 12 T39S R1E WM
NW 1/4 SEC 12 T39S R1E WM

**** RECEIVED ****
DATE 7-5-07 BY BB
This survey consists of:
4 sheet(s) Map
0 page(s) Narrative
JACKSON COUNTY SURVEYOR



IR = IRON ROD
CS = COUNTY SURVEY
YPC = YELLOW PLASTIC CAP
REF = REFERENCE

SET MONUMENT LIST

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION
6036	198942.54	4338279.80	5+19.85	32.87' LT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6039	199082.48	4338284.05	6+34.74	140.02' LT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6041	199174.82	4338426.82	8+34.26	60.00' LT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6042	199232.53	4338439.35	9+00.00	60.00' LT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6043	199606.82	4338730.33	13+70.00	72.72' RT	N/A	RIGHT-OF-WAY POINT, NO MONUMENT SET
6044	199409.60	4338576.00	11+03.37	40.00' RT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6045	199329.19	4338558.10	10+15.95	40.00' RT	6-04-2007	SET 5/8" x 30" REBAR W/YPC STAMPED "OBEC LS 56136"
6046	199159.05	4338421.79	8+15.00	60.00' LT	N/A	FALSE CALL, NO MONUMENT SET
6047	199513.01	4338677.78	12+61.69	86.06' RT	N/A	RIGHT-OF-WAY POINT, NO MONUMENT SET
6048	199318.40	4338556.19	10+05.00	40.00' RT	N/A	FALSE CALL, NO MONUMENT SET
6049	199225.75	4338534.63	9+10.00	35.00' RT	N/A	FALSE CALL, NO MONUMENT SET
6050	199184.44	4338527.09	8+69.02	35.00' RT	N/A	FALSE CALL, NO MONUMENT SET
6051	199178.25	4338528.35	8+63.68	37.53' RT	N/A	RIGHT-OF-WAY, NO MONUMENT SET
6052	199016.92	4338501.47	7+21.84	73.58' RT	N/A	RIGHT-OF-WAY, NO MONUMENT SET
6053	198982.77	4338429.48	6+59.91	35.00' RT	N/A	FALSE CALL, NO MONUMENT SET
6054	198936.13	4338384.50	6+00.00	35.00' RT	N/A	FALSE CALL, NO MONUMENT SET

RECOVERED MONUMENT LIST

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION
1004	201778.07	4341743.51	N/A	N/A	6-09-2004	FND 2 1/2" BRASS DISK ON 2 1/4" DIA. PIPE, SEC. COR. 1,6,7 & 12 - REF CS 13010
1006	200096.52	4338967.33	N/A	N/A	6-09-2004	FND 5/8" IR DOWN 0.25' - CS 4366

LEGEND

- ☆ FOUND GPS NETWORK PT
- FOUND MONUMENT
- SET MONUMENT
- ▲ SET NETWORK POINT
- × DESTROYED NETWORK PT
- () RECORD DATA PER CS 18489
- [] RECORD DATA PER DEAD INDIAN MARKET ROAD NO.6 SURVEY
- R/W PURCHASE LINE
- EXISTING R/W LINE
- - - EDGE PAVEMENT
- X- FENCE
- (XXXX) R/W POINT NO.



REGISTERED PROFESSIONAL LAND SURVEYOR

ANDREW D. AUSLAND
56136

RENEWAL DATE: DEC. 31, 2007
SIGNED: *Andrew D. Ausland*

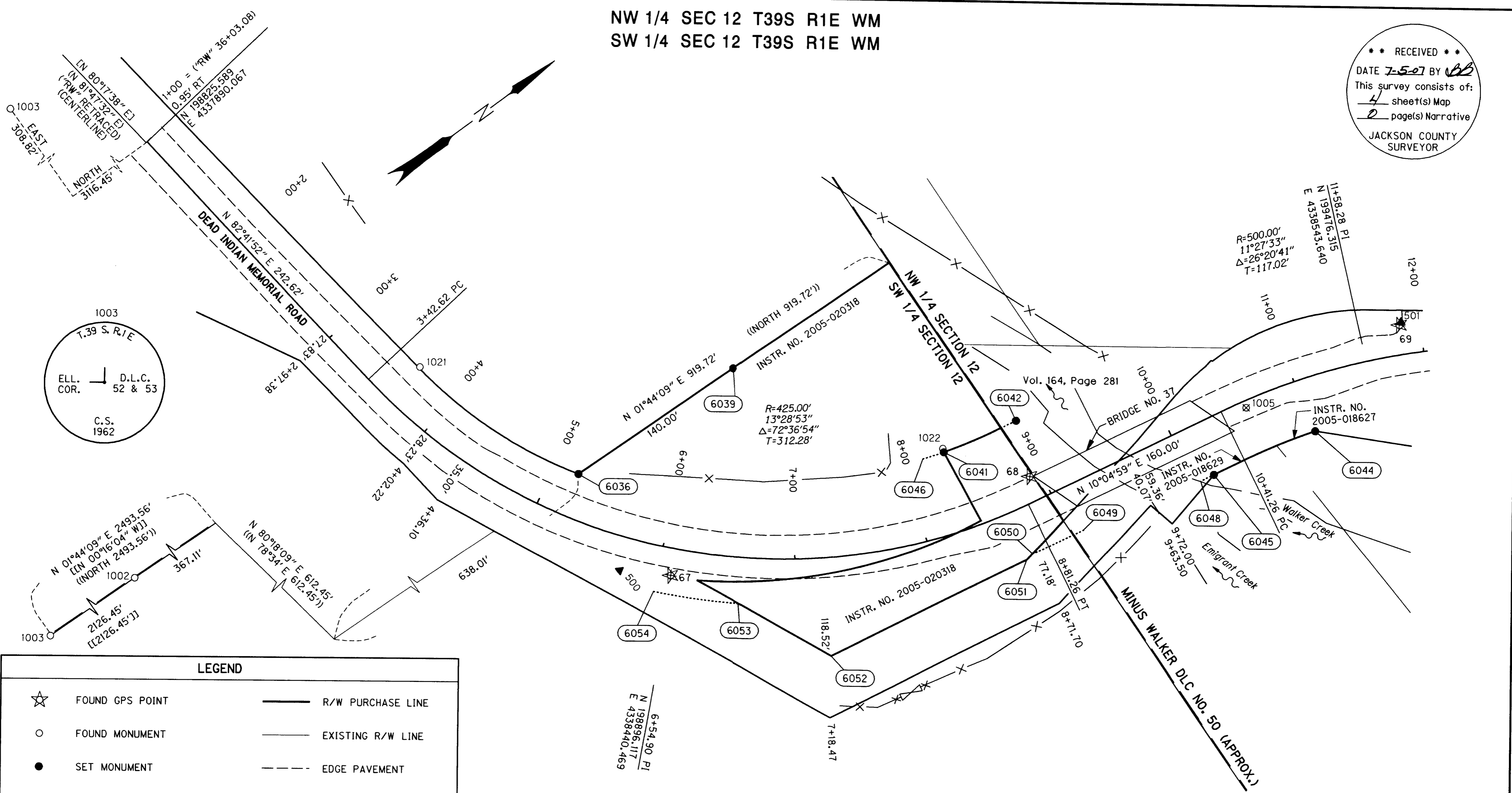
OBEC CONSULTING ENGINEERS
Corporate Office: 820 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6006, 541-683-8000
2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1285, 503-589-4100
1335 POPLAR DRIVE MEDFORD, OREGON 97504-5207, 541-774-5580
5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

MONUMENTATION SURVEY
**DEAD INDIAN MEMORIAL ROAD
EMIGRANT BRIDGE**
FOR JACKSON COUNTY
ROADS, PARKS AND PLANNING SERVICES
JUNE 2007

JACKSON COUNTY, OREGON SCALE 1" = 50'
DESIGNED: ANDREW AUSLAND PROJ. NO. 114-046.5 SHT. 4 OF 4
DRAWN: R. BEAUSOLEIL CHK'D: WAYNE DONOVAN

NW 1/4 SEC 12 T39S R1E WM
SW 1/4 SEC 12 T39S R1E WM

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LEGEND

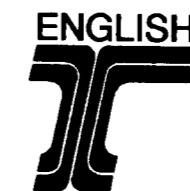
- ☆ FOUND GPS POINT
- FOUND MONUMENT
- SET MONUMENT
- × DESTROYED NETWORK POINT
- () RECORD DATA PER CS 18489
- [] RECORD DATA PER INSTR. NO. 85-06540
- (()) RECORD DATA PER INSTR. NO. 97-27161
- [[]] RECORD DATA PER SN 12942
- R/W PURCHASE LINE
- EXISTING R/W LINE
- - - EDGE PAVEMENT
- X — FENCE
- (XXXX) R/W POINT NO.

RECOVERED MONUMENT LIST

NOTE: FOR SET MONUMENT LIST SEE SHEET 4

PT. ID.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION
1002	197834.61	4337645.66	N/A	N/A	6-09-2004	FND 1/2" IR DOWN 0.3' - REF CS 12942
1003	195709.14	4337581.25	N/A	N/A	6-09-2004	FND 2 1/2" BRASS DISK IN MON WELL "T39S R1E ELL COR DLC 52 & 53 CS 1962" - REF CS 12942
1005	199377.98	4338531.63	10+59.55	5.06' RT	4-16-2007	DESTROYED DURING CONSTRUCTION, 5/8" IR UP 0.1' - CS 7182
1021	198892.88	4338145.76	3+63.87	33.76' LT	4-16-2007	FND 5/8" IR W/YPC "JACKSON CO. PUBLIC WORKS" FLUSH - (NOT FILED)
1022	199175.74	4338424.15	8+34.42	62.82' LT	4-16-2007	FND 5/8" IR W/YPC "JACKSON CO. PUBLIC WORKS" DOWN 0.7' - (NOT FILED)

YPC = YELLOW PLASTIC CAP
FND = FOUND
CS = COUNTY SURVEY
REF = REFERENCE



REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
JULY 15, 2003
ANDREW D. AUSLAND
56136
RENEWAL DATE: DEC. 31, 2007
SIGNED: *Andrew D. Ausland*

SCALE 1" = 50'
50 25 0 50 100 150
FEET

FILE NAME: 114046mon.dgn

OBEC CONSULTING ENGINEERS
www.obec.com
Corporate Office: 820 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-8088, 541-883-0090
2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1285, 503-588-4100
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5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97025, 503-620-6103

MONUMENTATION SURVEY
**DEAD INDIAN MEMORIAL ROAD
EMIGRANT BRIDGE**
FOR JACKSON COUNTY
ROADS, PARKS AND PLANNING SERVICES
JUNE 2007

JACKSON COUNTY, OREGON SCALE 1" = 50'
DESIGNED: ANDREW AUSLAND PROJ. NO. 114-046.5 SH. 3 OF 4
DRAWN: R. BEAUSOLEIL CHK'D: WAYNE DONOVAN

NE 1/4 SEC 12 T39S R1E WM
 NW 1/4 SEC 12 T39S R1E WM
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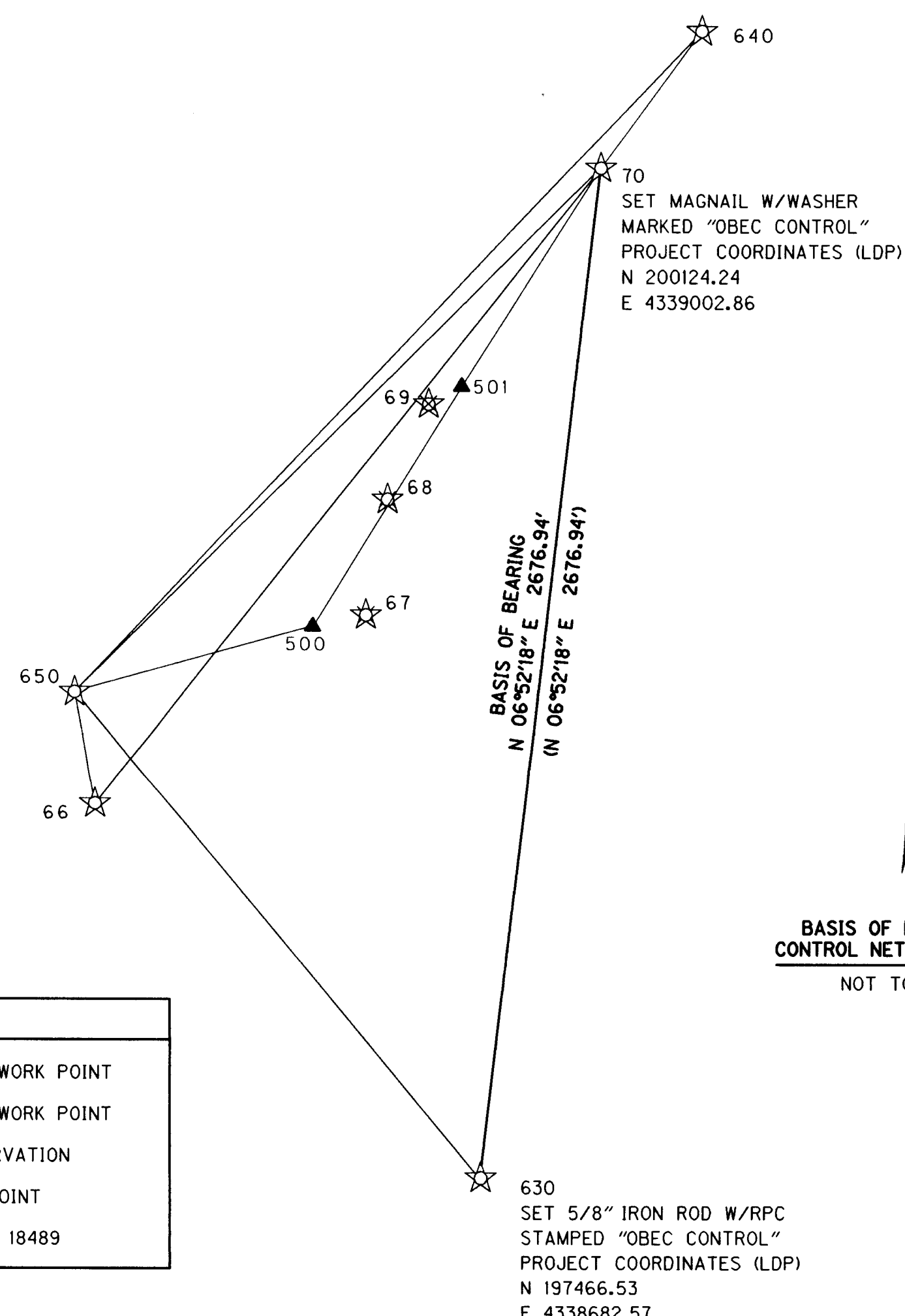
CONTROL NARRATIVE

PROJECT: DEAD INDIAN MEMORIAL ROAD AT EMIGRANT CREEK
 LOCATION: JACKSON COUNTY, OREGON
 OBEC PROJECT: 114-046.50
 SURVEY DATUM:
 HORIZONTAL - LOCAL DATUM PLANE (LDP) DERIVED FROM OREGON STATE PLANE, SOUTH ZONE - NAD 83(98)
 VERTICAL - NAVD 88 (INTERNATIONAL FEET)
 BEARING BASE: GRID NORTH PER SURVEY NUMBER 18489

THE INITIAL CONTROL NETWORK MONUMENTATION WAS ESTABLISHED IN RETRACEMENT SURVEY NUMBER 18489. THIS CONTROL NETWORK WAS USED AS SHOWN HEREON. TWO NEW POINTS WERE ADDED TO THE EXISTING CONTROL NETWORK, REPLACING POINTS LOST DURING THE CONSTRUCTION OF COUNTY BRIDGE NUMBER 37. A SECONDARY ADJUSTMENT WAS MADE TO THE NEW CONVENTIONALLY SET NETWORK POINTS CONSTRAINING TO THE REMAINING CONTROL MONUMENTS SET IN 2004 AS FILED ON SURVEY NUMBER 18489.

THIS SURVEY UTILIZED A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM, WHICH IS RELATIVE TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD83(98). TO CONVERT THE LDP COORDINATES TO THE OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE, NAD 83(98), MULTIPLY THE LDP COORDINATE VALUES BY A COMBINED FACTOR OF 0.999948888.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON NOR DO THEY REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE SOLELY BY JACKSON COUNTY ROADS, PARKS AND PLANNING SERVICES AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT OUR INTENT TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.



BASIS OF BEARING AND CONTROL NETWORK SCHEMATIC
 NOT TO SCALE

RESIDUALS FOR DISTANCES

BETWEEN	DISTANCE**	DISTANCE RESIDUAL
650 500	766.24'	0.10'
500 501	615.15'	0.04'
501 70	764.68'	-0.09'

** CALCULATED HORIZONTAL DISTANCES IN FEET DERIVED FROM THE MEASURED SLOPE DISTANCES

RESIDUALS FOR ANGLES

BACKSIGHT STATION	OCCUPIED STATION	FORESIGHT STATION	RESIDUAL
66	650	500	00°00'28"
650	500	501	00°00'04"
500	501	70	-00°00'07"

1.96 SIGMA (95%) CONFIDENCE LEVEL LIMITS

POINT *	SEMI MAJOR	SEMI MINOR	ORIENTATION*
500	0.04 iff.	0.02 iff.	51°01'04"
501	0.05 iff.	0.03 iff.	79°07'00"

* NORTH AZIMUTH
 FIXED POINTS NOT SUBJECT TO LEAST SQUARES
 ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 66, 650, 70

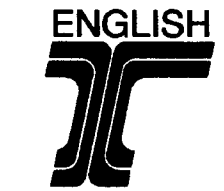
LEGEND

- ☆ FOUND GPS NETWORK POINT
- × DESTROYED NETWORK POINT
- ☆-☆ LINES OF OBSERVATION
- ▲ SET NETWORK POINT
- () RECORD PER CS 18489

FND = FOUND
 CS = COUNTY SURVEY
 RPC = RED PLASTIC CAP

NETWORK POINT COORDINATE TABLE

PT. ID.	LDP NORTHING	LDP EASTING	CONTROL DESCRIPTION
66	198455.03	4337663.85	FND MAGNAIL W/WASHER "OBEC CONTROL", PER CS 18489.
70	200124.24	4339002.86	FND MAGNAIL W/WASHER "OBEC CONTROL", PER CS 18489.
500	198925.14	4338356.71	SET MAGNAIL W/WASHER "OBEC CONTROL"
501	199509.96	4338547.46	SET MAGNAIL W/WASHER "OBEC CONTROL"
630	197466.53	4338682.57	FND 5/8" REBAR W/RPC "OBEC CONTROL", PER CS 18489.
640	200485.40	4339268.16	FND MAGNAIL W/WASHER "OBEC CONTROL", PER CS 18489.
650	198749.57	4337610.85	FND 5/8" REBAR W/RPC "OBEC CONTROL", PER CS 18489.



REGISTERED PROFESSIONAL LAND SURVEYOR

ANDREW D. AUSLAND
 56136

RENEWAL DATE: DEC. 31, 2007
 SIGNED: 06/29/2007

FILE NAME: 114046mon.dgn

OBEC CONSULTING ENGINEERS
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6000
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MONUMENTATION SURVEY
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 EMIGRANT BRIDGE**
 FOR JACKSON COUNTY
 ROADS, PARKS AND PLANNING SERVICES
 JUNE 2007

JACKSON COUNTY, OREGON NO SCALE

DESIGNED: ANDREW AUSLAND PROJ. NO. 114-046.5 SHT. 2 OF 4
 DRAWN: R. BEAUSOLEIL CHK'D: WAYNE DONOVAN