

SHEET INDEX

1. SHEET LAYOUT, NARRATIVE AND REFERENCES
2. CONTROL NETWORK AND BASIS OF BEARING
3. & 4. RECOVERY AND RETRACEMENT SURVEY

NW 1/4 SEC 2 T37S R2W WM
 SW 1/4 SEC 2 T37S R2W WM
 NE 1/4 SEC 3 T37S R2W WM
 SE 1/4 SEC 3 T37S R2W WM

** RECEIVED **
 DATE 6-24-08 BY AS
 This survey consists of:
4 sheet(s) Map
0 page(s) Narrative
 JACKSON COUNTY
 SURVEYOR

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE FIELD LOCATION OF THE EXISTING RIGHT-OF-WAY FOR PORTIONS OF HAZEL STREET AND 10th STREET, LOCATED IN THE CITY OF CENTRAL POINT. THIS SURVEY WAS ALSO PERFORMED TO PERPETUATE THE POSITIONS OF ANY EXISTING SURVEY MONUMENTS THAT LIE NEAR THE PROJECT AREA BY TYING THE MONUMENTS TO THE PROJECT CONTROL NETWORK. THIS SURVEY WAS MADE AT THE REQUEST OF THE CITY OF CENTRAL POINT AND THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) FOR AN UPCOMING PROJECT IN THE PREVIOUSLY DESCRIBED VICINITY. THIS SURVEY MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES, CHAPTER 209.155.

THIS SURVEY WAS PERFORMED IN INTERNATIONAL FEET UNITS.

THE CALCULATED POSITION, POINT NO. 2000, OF THE QUARTER CORNER COMMON TO SECTIONS 2 AND 3, TOWNSHIP 37 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN WAS ESTABLISHED BY USING A DISTANCE-DISTANCE INTERSECTION FROM THE FOUND REFERENCE MONUMENTS, POINTS 1000, 1002, AND 1003, USING THE RECORD DISTANCES PER THE JACKSON COUNTY SURVEYOR'S RE-ESTABLISHMENT NOTES FOR SAID CORNER.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE SOLELY BY THE CITY OF CENTRAL POINT, ODOT, AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF CENTRAL POINT, ODOT, OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

THIS SURVEY WAS PERFORMED IN MAY OF 2008. THE SURVEY EQUIPMENT CONSISTED OF ONE TRIMBLE S6 ROBOTIC TOTAL STATION, ONE TRIMBLE 5603 ROBOTIC TOTAL STATION, ONE TRIMBLE TSC2 DATA COLLECTOR, AND ONE SOKKIA SDL30 DIGITAL LEVEL.

HAZEL STREET - WEST ("HW" LINE)

THE RESOLUTION OF THE RIGHT-OF-WAY OF HAZEL STREET LYING BETWEEN 8TH STREET AND 10TH STREET WAS COMPLETED BY UTILIZING THE FOUND MONUMENTS AND RECORD DEEDS, SURVEYS, AND SUBDIVISION PLATS. THE TANGENT FROM STATIONS 2+35.07 TO 4+01.29 WAS ESTABLISHED BY HOLDING THE FOUND CENTERLINE MONUMENTS, POINT NO.S 1029, 1030, AND 1031, AND RECORD DIMENSIONS OF BLOCK 2 OF THE PATTISON ADDITION TO THE CITY OF CENTRAL POINT FROM THE PLAT OF SCOTT MEADOWS SUBDIVISION. THE "EXCEPTED AREA" DESCRIBED IN INSTRUMENT NO. 67-04257, ALSO FOUND TO BE DESCRIBED INCORRECTLY AS SHOWN ON THE PLAT OF SCOTT MEADOWS, WAS LOCATED BY USING THE RECORD INFORMATION FROM THE PLAT OF SCOTT MEADOWS. THE NORTH LINE OF HAZEL STREET EAST OF CENTERLINE STATION 2+54.15 WAS ESTABLISHED BY HOLDING THE CALCULATED POSITION OF THE QUARTER CORNER COMMON THE SECTIONS 2 AND 3, TOWNSHIP 37 SOUTH, RANGE 2 WEST OF THE WILLAMETTE MERIDIAN, SHOWN AS POINT NO. 2000, THE FOUND MONUMENTS TIED AS POINT NO.S 1005 AND 1016, AND RECORD DEED CALLS PER VOLUME 478, PAGE 439, WHICH DOCUMENT ACQUIRED THE RIGHT-OF-WAY LYING OUTSIDE OF THAT RIGHT-OF-WAY THAT WAS DEDICATED BY THE PLAT OF THE PATTISON ADDITION TO THE CITY OF CENTRAL POINT. POINT NO. 1005, AS CALLED OUT BY SAID VOLUME AND PAGE, WAS HELD ALONG WITH THE DISTANCE ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 2. THEN THE RECORD ANGLES PER SAID VOLUME AND PAGE WERE CONSTRAINED TO POINT NO. 1005 AND SAID SOUTH LINE. THE SOUTHERLY LINE OF HAZEL STREET LYING BETWEEN 9TH AND 10TH STREETS WAS ESTABLISHED BY OFFSETTING THE NORTH LINE OF HAZEL STREET A DISTANCE OF 50.00 FEET AS SAID SOUTHERLY LINE IS PARALLEL WITH THE NORTHWESTERLY LINE AS DESCRIBED IN SAID VOLUME AND PAGE AND ALSO SHOWN ON COUNTY SURVEY NO. 2117.

HAZEL STREET - EAST ("HE" LINE)

THE RESOLUTION OF THE RIGHT-OF-WAY OF HAZEL STREET LYING EASTERLY OF 10TH STREET WAS COMPLETED BY UTILIZING VOLUME 580, PAGE 203 OFFICIAL RECORDS OF JACKSON COUNTY, THE PLAT OF HAZEL CREEK SUBDIVISION, AND COUNTY SURVEY NO.S 10591 AND 4992. THE CENTERLINE TANGENT WAS ESTABLISHED BY HOLDING THE FOUND MONUMENT TIED AS POINT NO. 1024 AS THE NORTHEASTERLY END OF THE ALIGNMENT AND BY HOLDING THE FOUND MONUMENT TIED AS POINT NO. 1017 AT A 25.00 FOOT OFFSET FROM CENTERLINE. THE NORTHEASTERLY END OF THE RIGHT-OF-WAY OF HAZEL STREET WAS CONSTRAINED BY HOLDING THE RECORD DISTANCE OF 443.73 FEET FROM THE EASTERLY RIGHT-OF-WAY LINE OF 10TH STREET PER SAID VOLUME 580, PAGE 203, WHICH DOCUMENT DEEDED THE RIGHT-OF-WAY OF SAID PORTION OF HAZEL STREET TO THE CITY OF CENTRAL POINT, ON THE NORTHERLY END, AND THE MONUMENT TIED AS POINT NO. 1021 FOR THE DIRECTION OF THE LINE, AND THEN EXTENDED TO INTERSECT THE SOUTHERLY RIGHT-OF-WAY LINE OF HAZEL STREET.

10TH STREET ("T" LINE)

THE RESOLUTION OF THE RIGHT-OF-WAY OF 10TH STREET WAS COMPLETED BY UTILIZING THE FOUND CENTERLINE MONUMENTS TIED AS POINT NO.S 1006 AND 1012, ALONG WITH THE MONUMENT TIED AS POINT NO. 1011. THE P.I. AT STATION 2+40.02 WAS ESTABLISHED BY HOLDING THE RECORD DISTANCE OF 44.45 FEET NORTHERLY OF POINT NO. 1011, AS SHOWN PER COUNTY SURVEY NO. 2117.

REFERENCES

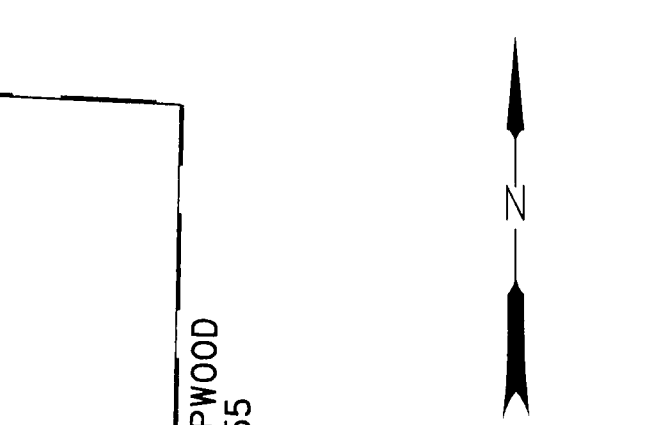
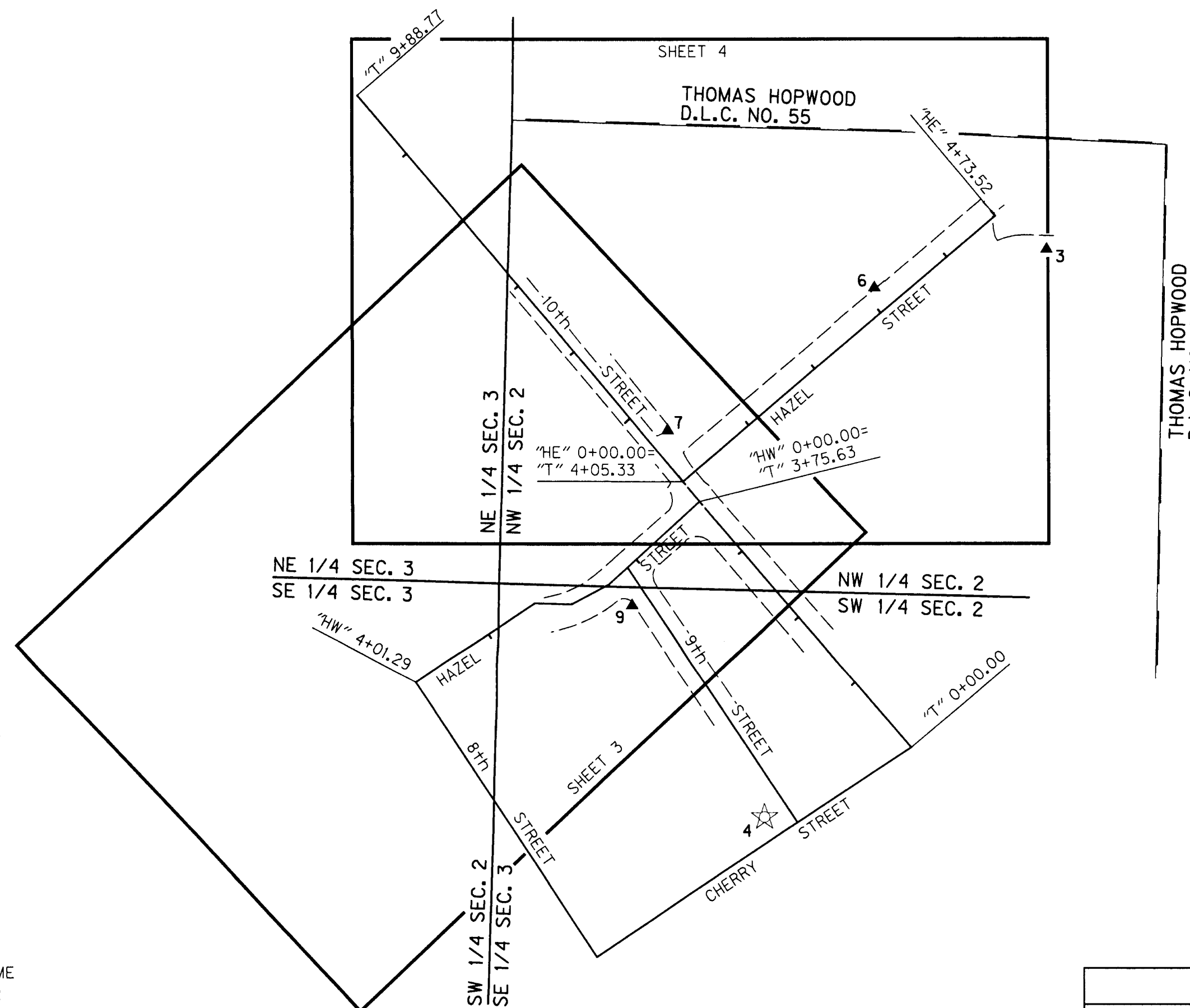
CS 2117, CS 7609, CS 436, CS 6813, CS 2598, CS 1237, CS 2191, CS 1976, CS 2019, CS 6691, CS 18829, CS 19738, CS 10591, CS 4942, CS 2266, CS 19521, PLAT OF SCOTT MEADOWS SUBDIVISION, PLAT OF THE PATTISON ADDITION TO THE CITY OF CENTRAL POINT, PLAT OF AMY'S COTTAGE ADDITION TO CENTRAL POINT, PLAT OF HAZEL CREEK SUBDIVISION, PLAT OF TEMPLE COURT SUBDIVISION, PLAT OF SIERRA VISTA SUBDIVISION UNIT NO. 1, JACKSON COUNTY SURVEYOR'S RE-ESTABLISHMENT NOTES.

DEEDS USED

94-23651, VOLUME 328, PAGE 483, 68-00807, VOLUME 469, PAGE 144, VOLUME 478, PAGE 439, VOLUME 580, PAGE 203, 2006-60143, 2008-13541, 96-40192, 2004-64041, 2004-48961, 2007-53911, 2002-04247, 1994-23557, 1997-00614, 96-38040, 84-20385, 03-43763

CALCULATED POINT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
2000	270121.52	4269193.17	"HW" 2+56.80	41.86' RT	N/A	CALCULATED POINT, NO MONUMENT FOUND OR SET



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

ARON J. CUTSFORTH
 65696
 RENEWAL DATE: DEC. 31, 2009
 SIGNED: JUNE 24, 2008

LEGEND	
☆	FOUND GPS NETWORK POINT
▲	SET NETWORK POINT

OBEC CONSULTING ENGINEERS
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100
 1335 POPLAR DRIVE WEDFORD, OREGON 97504-5207, 541-774-5590
 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

FILE NAME: 15253ret.dgn

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY
 HAZEL STREET: 9th TO EAST OF 10th STREET PAVING
 CITY OF CENTRAL POINT
 JACKSON COUNTY

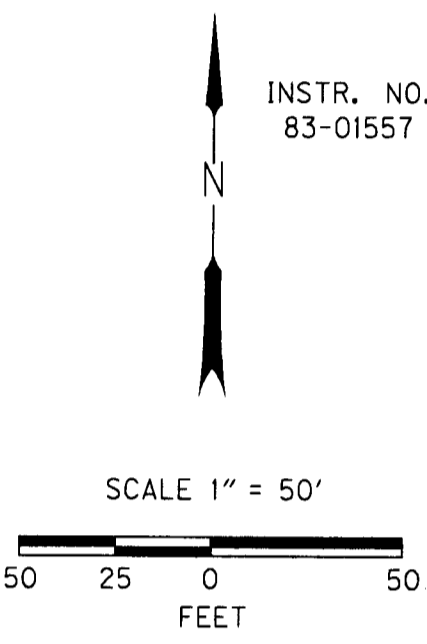
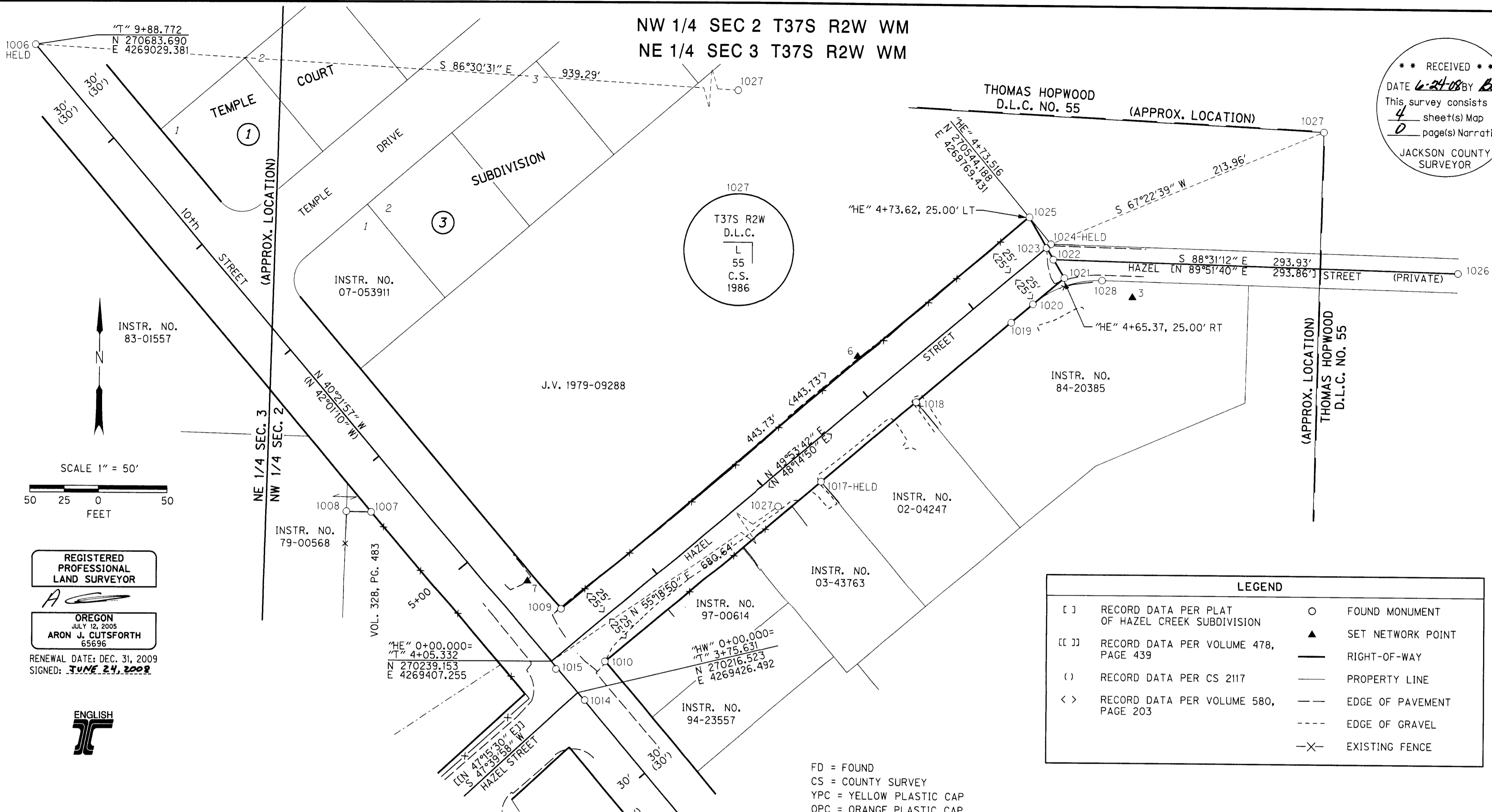
ODOT REGION 3
 3500 NW STEWART PARKWAY
 ROSEBURG, OR. 97470
 KEY NO. 15253

JUNE, 2008
 NO SCALE
 SHEET 1 OF 4

J. COLTON APPROVED BY: SURVEY GRP. MNGR.	OBEC	DESIGNED: A. CUTSFORTH	PROJ. NO. 019-084.19
		DRAWN: A. CUTSFORTH	CHK'D: A. AUSLAND

NW 1/4 SEC 2 T37S R2W WM
NE 1/4 SEC 3 T37S R2W WM

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JACKSON COUNTY SURVEYOR



REGISTERED PROFESSIONAL LAND SURVEYOR
ARON J. CUTSFORTH
JULY 12, 2005
RENEWAL DATE: DEC. 31, 2009
SIGNED: JUNE 24, 2008



LEGEND	
[]	RECORD DATA PER PLAT OF HAZEL CREEK SUBDIVISION
[]	RECORD DATA PER VOLUME 478, PAGE 439
()	RECORD DATA PER CS 2117
< >	RECORD DATA PER VOLUME 580, PAGE 203
○	FOUND MONUMENT
▲	SET NETWORK POINT
—	RIGHT-OF-WAY
—	PROPERTY LINE
---	EDGE OF PAVEMENT
----	EDGE OF GRAVEL
-X-	EXISTING FENCE

FD = FOUND
CS = COUNTY SURVEY
YPC = YELLOW PLASTIC CAP
OPC = ORANGE PLASTIC CAP
H.C.S. = PLAT OF HAZEL CREEK SUBDIVISION
J.C.R.R. = JACKSON COUNTY RE-ESTABLISHMENT RECORDS

RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1006	270683.69	4269029.38	"T" 9+88.77	0.00'	5/19/08	FD 1-1/2" BRASS CAP W/PUNCH MARK, GOOD CONDITION, DOWN 0.3', PER PLAT OF SIERRA VISTA SUB. UNIT NO. 1
1007	270347.41	4269275.76	"T" 5+72.98	30.08' LT	5/19/08	FD 5/8" IRON ROD, GOOD CONDITION, DOWN 0.1', PER CS 6691
1008	270347.84	4269257.79	"T" 5+84.95	43.49' LT	5/19/08	FD 5/8" IRON ROD, GOOD CONDITION, DOWN 0.3', PER CS 6691
1014	270211.17	4269431.45	"T" 3+68.35	0.31' RT	5/19/08	FD MAG NAIL, GOOD CONDITION, FLUSH W/ ASPHALT, NO RECORD
1015	270233.56	4269410.57	"T" 3+98.92	1.10' LT	5/19/08	FD MAG NAIL, GOOD CONDITION, FLUSH W/ ASPHALT, NO RECORD
1017	270371.41	4269603.09	"HE" 2+34.98	25.00' RT	5/19/08	FD 3/4" IRON ROD, GOOD CONDITION, DOWN 0.4', SHOWN PER CS 10591
1018	270429.21	4269672.02	"HE" 3+24.94	25.19' RT	5/19/08	FD 5/8" IRON ROD W/ YPC STAMPED "LS 1987", BENT, UP 0.1', PER CS 10591
1019	270487.20	4269740.92	"HE" 4+15.00	25.22' RT	5/19/08	FD 3/4" IRON ROD, GOOD CONDITION, DOWN 1.2', SHOWN PER CS 10591 & 4942
1020	270500.62	4269756.50	"HE" 4+35.56	25.00' RT	5/19/08	FD 5/8" IRON ROD W/ OPC (ILLEGIBLE), GOOD CONDITION, FLUSH, PER H.C.S.
1021	270519.86	4269779.29	"HE" 4+65.38	24.96' RT	5/19/08	FD 5/8" IRON ROD W/ 1-1/2" ALUM. CAP STAMPED "B. KAISER RLS 52923", GOOD CONDITION, FLUSH, PER H.C.S.
1022	270533.18	4269771.24	"HE" 4+67.81	9.59' RT	5/19/08	FD 5/8" IRON ROD W/ 1-1/2" ALUM. CAP STAMPED "B. KAISER RLS 52923", GOOD CONDITION, FLUSH, PER H.C.S.
1023	270541.52	4269766.16	"HE" 4+69.29	0.07' LT	5/19/08	FD 5/8" IRON ROD W/ OPC STAMPED "B. KAISER RLS 52923", GOOD CONDITION, FLUSH, PER H.C.S.
1024	270544.19	4269769.43	"HE" 4+73.52	0.00	5/19/08	FD 5/8" IRON ROD W/ OPC STAMPED "B. KAISER RLS 52923", GOOD CONDITION, DOWN 0.2', PER H.C.S.
1025	270563.13	4269753.69	"HE" 4+73.68	24.62' LT	5/19/08	FD 5/8" IRON ROD, BENT, DOWN 0.1', SHOWN PER CS 10591
1026	270525.59	4270065.04	N/A	N/A	5/19/08	FD 5/8" IRON ROD W/ 1-1/2" ALUM. CAP STAMPED "B. KAISER RLS 52923", GOOD CONDITION, FLUSH, PER H.C.S.
1027	270626.49	4269966.93	N/A	N/A	5/19/08	FD 2-1/2" BRASS CAP STAMPED "T37S R2W D.L.C. L 55 C.S. 1986", GOOD CONDITION, DOWN 0.8' (INSIDE 6" ROUND AREA DRAIN), PER J.C.R.R.
1028	270518.26	4269806.72	N/A	N/A	5/19/08	FD 5/8" IRON ROD W/ OPC STAMPED "B. KAISER RLS 52923", GOOD CONDITION, FLUSH, PER H.C.S.

FILE NAME: 15253ret.dgn

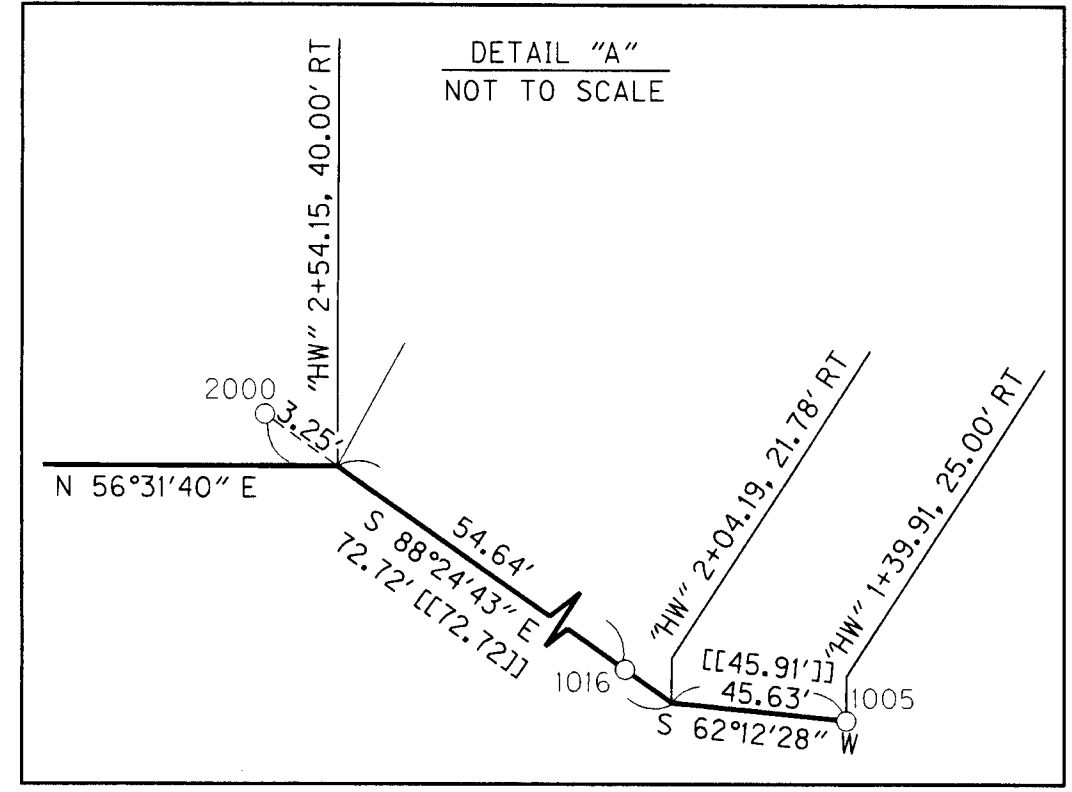
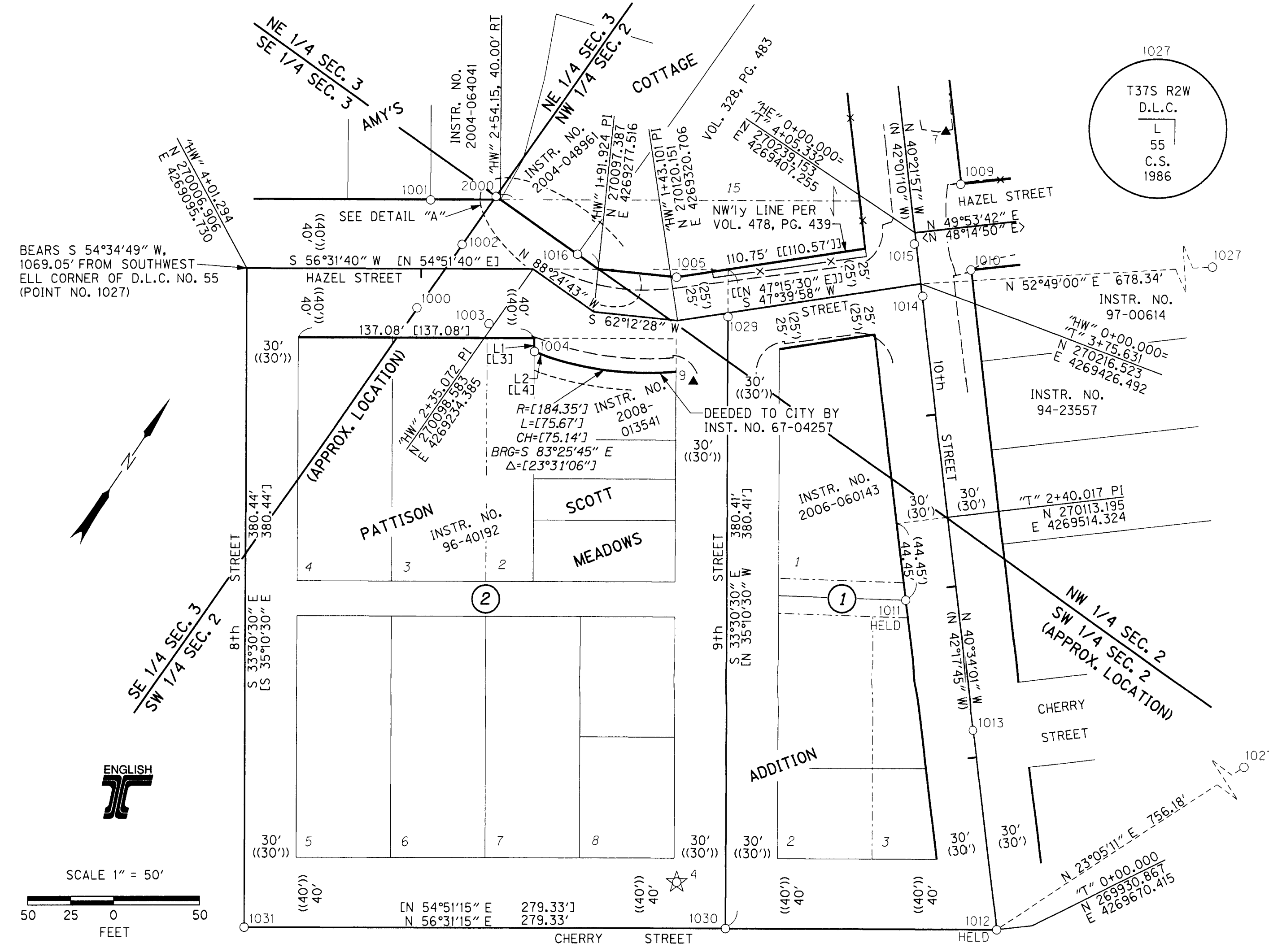
OBEC CONSULTING ENGINEERS
Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100
1335 POPLAR DRIVE MEDFORD, OREGON 97504-5207, 541-774-5590
5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

OREGON DEPARTMENT OF TRANSPORTATION
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY
HAZEL STREET: 9th TO EAST OF 10th STREET PAVING
CITY OF CENTRAL POINT
JACKSON COUNTY
ODOT REGION 3
3500 NW STEWART PARKWAY
ROSEBURG, OR. 97470
DESIGNED: A. CUTSFORTH
DRAWN: A. CUTSFORTH
JUNE, 2008
SCALE 1"=50'
KEY NO. 15253
SHEET 4 OF 4
PROJ. NO. 019-084.19
CHK'D: A. AUSLAND

NW 1/4 SEC 2 T37S R2W WM
 SW 1/4 SEC 2 T37S R2W WM
 NE 1/4 SEC 3 T37S R2W WM
 SE 1/4 SEC 3 T37S R2W WM

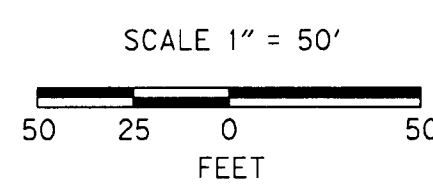
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 2 page(s) Narrative
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 SURVEYOR

1027
 T37S R2W
 D.L.C.
 L
 55
 C.S.
 1986



LEGEND

[]	RECORD DATA PER PLAT OF SCOTT MEADOWS SUB.	○	FOUND MONUMENT
[[]]	RECORD DATA PER VOLUME 478, PAGE 439	▲	SET NETWORK POINT
()	RECORD DATA PER CS 2117	☆	FOUND GPS NETWORK POINT
([])	RECORD DATA PER PLAT OF THE PATTISON ADDITION TO THE CITY OF CENTRAL POINT	—	RIGHT-OF-WAY
< >	RECORD DATA PER VOLUME 580, PAGE 203	---	PROPERTY LINE
		- - -	EDGE OF PAVEMENT
		-X-	EXISTING FENCE



RECOVERED MONUMENT LIST (SEE SHEET 1 FOR CALCULATED POINT LIST)

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1000	270042.44	4269190.75	"HW" 3+02.43	22.77' LT	5/19/08	FD 1-1/4" BRASS CAP W/ PUNCH MARK, GOOD CONDITION, FLUSH IN CURB, PER J.C.R.R.
1001	270098.75	4269162.69	"HW" 2+94.78	39.68' RT	5/19/08	FD 5/8" IRON ROD INSIDE 3/4" I.D. PIPE, BENT, FLUSH W/ GROUND PER CS 2266
1002	270087.58	4269192.13	"HW" 2+76.38	14.13' RT	5/19/08	FD 2-1/2" BRASS CAP STAMPED "T37S R2W 1/4S R.M.3 C.S. 1997", GOOD CONDITION, FLUSH IN CURB, PER J.C.R.R.
1003	270058.01	4269230.67	"HW" 2+60.54	31.80' LT	5/19/08	FD .38 CALIBER SHELL CASING, GOOD CONDITION, FLUSH W/ CONCRETE, PER J.C.R.R.
1004	270059.42	4269261.52	"HW" 2+06.86	38.39' LT	5/19/08	FD 3/4" I.D. PIPE, BENT, DOWN 0.4', PER CS 436
1005	270140.78	4269306.23	"HW" 1+39.91	25.00' RT	5/19/08	FD 5/8" IRON ROD, BENT, DOWN 0.1', PER VOL. 478, PAGE 439 & SHOWN PER CS 2117
1009	270277.25	4269413.89	"HE" 0+29.62	24.87' LT	5/19/08	FD 3/4" IRON ROD, BENT, UP 0.1', PER CS 10591
1010	270239.37	4269446.19	"HE" 0+29.93	24.91' RT	5/19/08	FD 5/8" IRON ROD, BENT, DOWN 0.4', PER CS 1976
1011	270059.92	4269520.44	"T" 1+95.57	30.00' LT	5/19/08	FD 3/4" IRON ROD, BENT, FLUSH W/ GROUND, PER CS 2117
1012	269930.87	4269670.42	"T" 0+00.00	0.00'	5/19/08	FD 2" BRASS CAP, GOOD CONDITION, DOWN 0.2', SHOWN PER CS 6691
1013	270018.66	4269594.91	"T" 1+15.79	0.26' LT	5/19/08	FD MAG NAIL, GOOD CONDITION, FLUSH W/ ASPHALT, NO RECORD
1014	270211.17	4269431.45	"T" 3+68.35	0.31' RT	5/19/08	FD MAG NAIL, GOOD CONDITION, FLUSH W/ ASPHALT, NO RECORD
1015	270233.56	4269410.57	"T" 3+98.92	1.10' LT	5/19/08	FD MAG NAIL, GOOD CONDITION, FLUSH W/ ASPHALT, NO RECORD
1016	270119.91	4269251.03	"HW" 2+19.03	21.79' RT	5/19/08	FD 5/8" IRON ROD, GOOD CONDITION, DOWN 0.1', PER CS 6691
1027	270626.49	4269966.93	N/A	N/A	5/19/08	FD 2-1/2" BRASS CAP STAMPED "T37S R2W D.L.C. L 55 C.S. 1986", GOOD CONDITION, DOWN 0.8' (INSIDE 6" ROUND AREA DRAIN), PER J.C.R.R.
1029	270138.31	4269343.73	"HW" 1+13.85	2.08' LT	5/19/08	FD 3" BRONZE DISK STAMPED "OBEC CONSULTING ENGINEERS - SURVEY MONUMENT", GOOD CONDITION, FLUSH W/ ASPHALT, PER CS 19738
1030	269843.78	4269538.74	N/A	N/A	5/19/08	FD 2-1/2" BRASS DISK STAMPED "2271", GOOD CONDITION, DOWN 0.2', SHOWN PER CS 18829
1031	269689.69	4269305.75	N/A	N/A	5/19/08	FD 2-1/2" BRASS DISK STAMPED "2271", GOOD CONDITION, DOWN 0.2', SHOWN PER CS 18829

REGISTERED PROFESSIONAL LAND SURVEYOR
ARON
 OREGON
 JULY 12, 2005
 ARON J. CUTSFORTH
 65696
 RENEWAL DATE: DEC. 31, 2009
 SIGNED: JUNE 24, 2008

LINE TABLE

LINE	BEARING	LENGTH
L1	S 33°30'30" E	7.46'
L2	N 78°43'09" E	8.19'
[L3]	S 35°10'32" E	7.46'
[L4]	N 77°01'00" E	8.19'

OBEC CONSULTING ENGINEERS
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100
 1335 POPLAR DRIVE MEDFORD, OREGON 97504-5207, 541-774-5590
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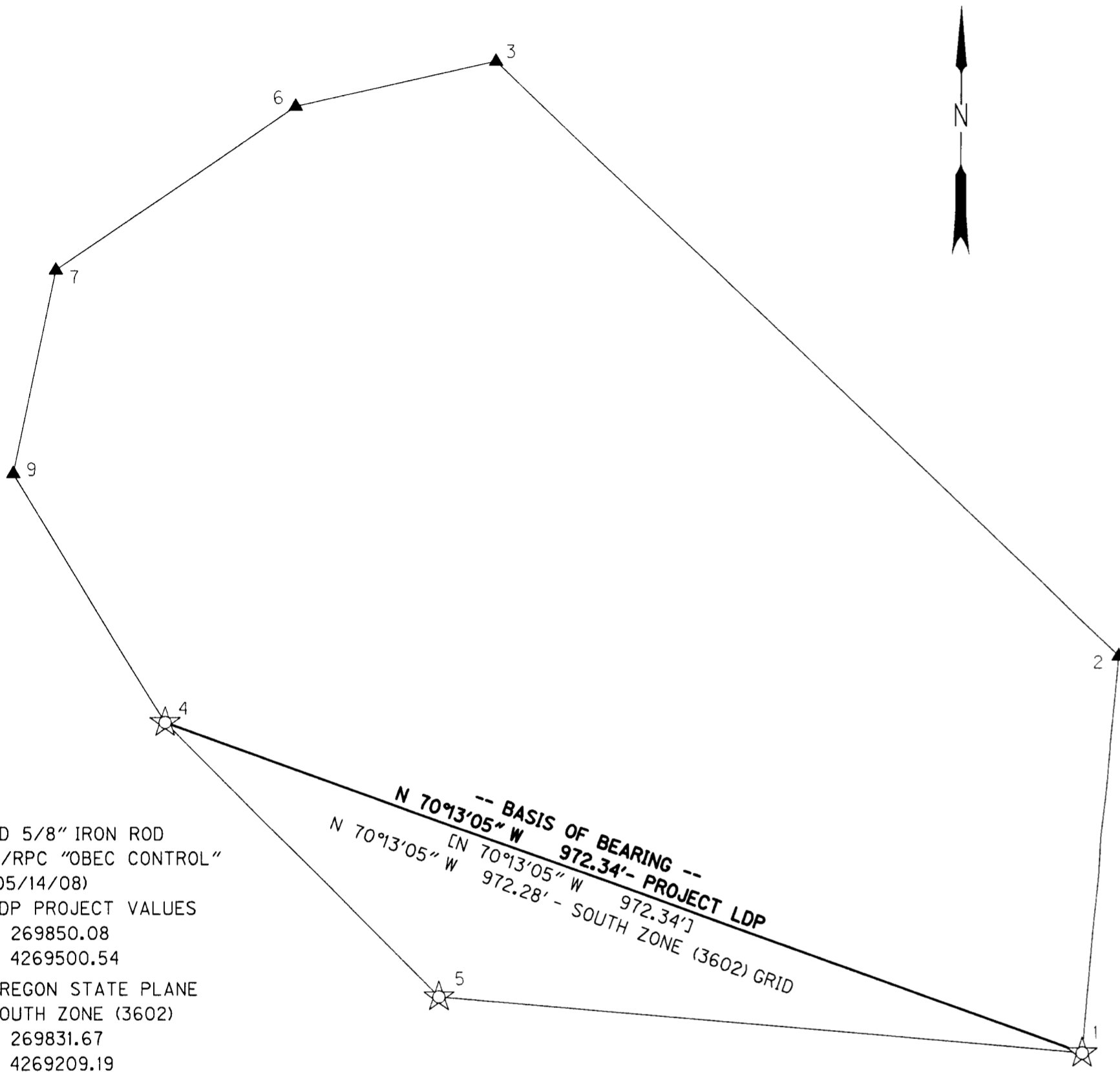
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 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY
 HAZEL STREET: 9th TO EAST OF 10th STREET PAVING
 CITY OF CENTRAL POINT
 JACKSON COUNTY

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 3500 NW STEWART PARKWAY
 ROSEBURG, OR. 97470
 JUNE, 2008
 SCALE 1"=50'
 KEY NO. 15253
 SHEET 3 OF 4

DESIGNED: A. CUTSFORTH
 DRAWN: A. CUTSFORTH
 CHK'D: A. AUSLAND
 PROJ. NO. 019-084.19

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4
FD 5/8" IRON ROD
W/RPC "OBEC CONTROL"
(05/14/08)
LDP PROJECT VALUES
N 269850.08
E 4269500.54
OREGON STATE PLANE
SOUTH ZONE (3602)
N 269831.67
E 4269209.19

**CONTROL NETWORK SCHEMATIC &
BASIS OF BEARING**

NOT TO SCALE

1
FD 5/8" IRON ROD
W/RPC "OBEC CONTROL"
(05/14/08)
LDP PROJECT VALUES
N 269521.00
E 4270415.50
OREGON STATE PLANE
SOUTH ZONE (3602)
N 269502.61
E 4270124.09

RESIDUALS FOR DISTANCES

BETWEEN	DISTANCE**	DISTANCE RESIDUAL
1 2	399.31'	0.00'
2 3	856.03'	0.00'
3 6	204.47'	-0.01'
6 7	288.38'	-0.01'
7 9	207.38'	0.00'
9 4	289.78'	0.00'

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

RESIDUALS FOR ANGLES

BACKSIGHT STATION	OCCUPIED STATION	FORESIGHT STATION	RESIDUAL
5	1	2	0°00'02.1"
1	2	3	0°00'01.3"
2	3	6	-0°00'05.4"
3	6	7	-0°00'10.4"
6	7	9	-0°00'12.6"
7	9	4	-0°00'11.7"
9	4	5	-0°00'04.1"

1.96 SIGMA (95%) CONFIDENCE LEVEL LIMITS

POINT NO.	SEMI MAJOR	SEMI MINOR	ORIENTATION*
2	0.02'	0.02'	332.8°
3	0.04'	0.03'	18.2°
6	0.04'	0.03'	16.9°
7	0.03'	0.02'	22.9°
9	0.02'	0.02'	38.7°

* NORTH AZIMUTH
FIXED POINTS NOT SUBJECT TO LEAST SQUARES
ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 1, 4, & 5

CONTROL NARRATIVE

PROJECT: HAZEL STREET: 9th TO EAST OF 10th STREET PAVING
LOCATION: JACKSON COUNTY
ODOT KEY NUMBER: 15253
OBEC PROJECT: 019-084.19
SURVEY DATUM:
HORIZONTAL - NAD 83(1998) (INTERNATIONAL FEET)
VERTICAL - NGVD 29(56) (SURVEY FEET)

HORIZONTAL CONTROL SURVEY

GPS NETWORK POINTS 1, 4, AND 5 ESTABLISHED BY COUNTY SURVEY NO. 18829 BY OBEC CONSULTING ENGINEERS IN APRIL OF 2005, WERE HELD FIXED DURING THE LEAST SQUARES ADJUSTMENT OF THE CONVENTIONAL TRAVERSE THROUGH POINT NO.S 2, 3, 6, 7, AND 9. THE COMBINED SCALE FACTOR, 0.99993176 PER COUNTY SURVEY NO. 18829, WAS USED TO GENERATE OREGON STATE PLANE, SOUTH ZONE - NAD 83(1998) COORDINATES.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE SOLELY BY THE OREGON DEPARTMENT OF TRANSPORTATION, THE CITY OF CENTRAL POINT, AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE OREGON DEPARTMENT OF TRANSPORTATION, THE CITY OF CENTRAL POINT, OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

LEGEND	
☆	FOUND GPS NETWORK POINT
▲	SET NETWORK POINT
→ ☆	LINE OF OBSERVATION (INTERVISIBLE)
[]	RECORD DATA PER CS 18829

NETWORK POINT COORDINATE TABLE

PT. ID.	LDP NORTHING	LDP EASTING	DATE	DESCRIPTION
1	269521.00	4270415.50	05/14/08	FD 5/8" IRON ROD W/ RPC STAMPED "OBEC CONTROL", PER CS 18829
2	269918.67	4270451.64	05/14/08	SET MAG NAIL & WASHER STAMPED "OBEC CONTROL"
3	270505.99	4269828.86	05/14/08	SET 5/8" X 30" REBAR W/ RPC STAMPED "OBEC CONTROL"
4	269850.08	4269500.54	05/14/08	FD MAG NAIL & WASHER STAMPED "OBEC CONTROL", PER CS 18829
5	269576.23	4269774.17	05/14/08	FD 5/8" IRON ROD W/ RPC STAMPED "OBEC CONTROL", PER CS 18829
6	270461.72	4269629.24	05/14/08	SET MAG NAIL & WASHER STAMPED "OBEC CONTROL"
7	270299.03	4269391.14	05/14/08	SET MAG NAIL & WASHER STAMPED "OBEC CONTROL"
9	270096.26	4269347.67	05/14/08	SET MAG NAIL & WASHER STAMPED "OBEC CONTROL"

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



REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JULY 12, 2005
ARON J. CUTSFORTH
65696

RENEWAL DATE: DEC. 31, 2009
SIGNED: JUNE 24, 2008

FILE NAME: 15253ret.dgn



Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100
1335 POPLAR DRIVE MEDFORD, OREGON 97504-5207, 541-774-5590
5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY
HAZEL STREET: 9th TO EAST OF 10th STREET PAVING
CITY OF CENTRAL POINT
JACKSON COUNTY

ODOT REGION 3
3500 NW STEWART PARKWAY
ROSEBURG, OR. 97470
KEY NO. 15253

JUNE, 2008
NO SCALE
SHEET 2 OF 4

DESIGNED: A. CUTSFORTH
DRAWN: A. CUTSFORTH
CHK'D: A. AUSLAND
PROJ. NO. 019-084.19