

**SHEET INDEX**

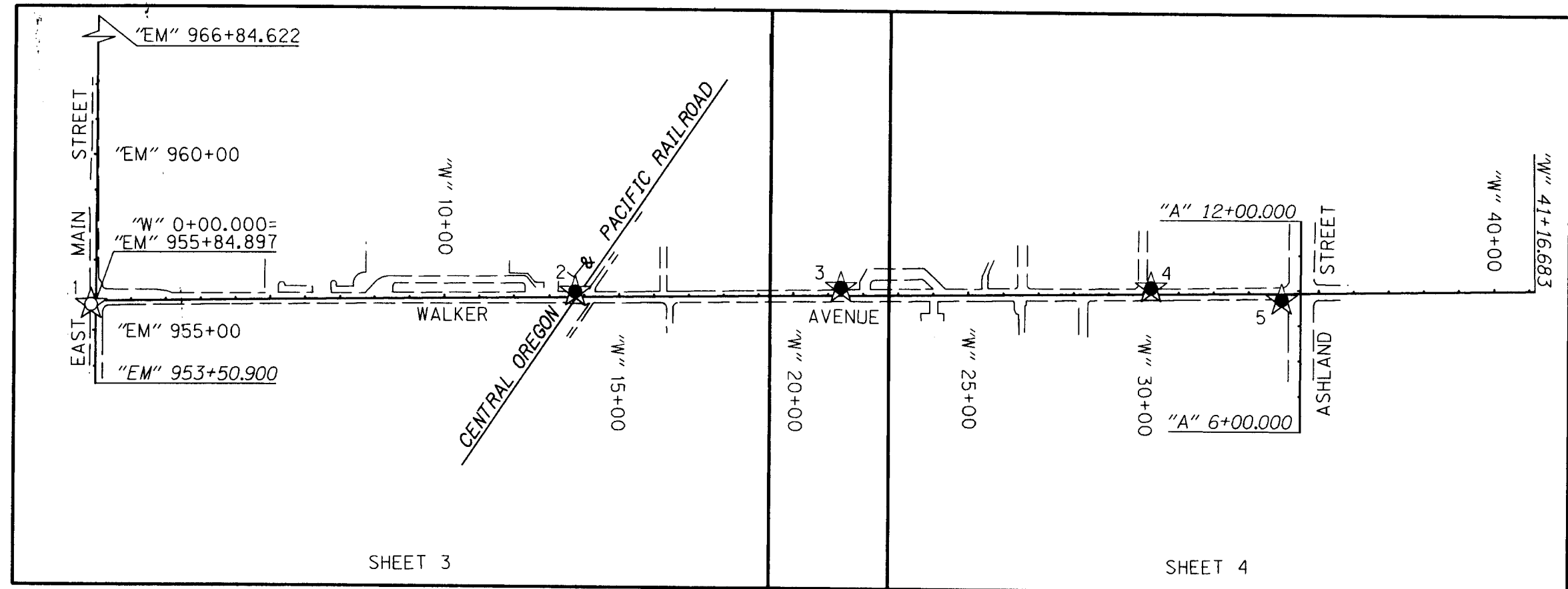
1. SHEET LAYOUT, SHEET INDEX, NARRATIVE AND REFERENCES
2. CONTROL SCHEMATIC, CONTROL NARRATIVE AND BASIS OF BEARING
- 3.&4. RETRACEMENT SURVEY AND RECOVERED MONUMENT LIST

NW 1/4 SEC 10 T39S R1E WM  
 NE 1/4 SEC 10 T39S R1E WM  
 SW 1/4 SEC 10 T39S R1E WM  
 SE 1/4 SEC 10 T39S R1E WM  
 NE 1/4 SEC 15 T39S R1E WM

\*\*RECEIVED\*\*  
 DATE: 12-19-12 BY: [Signature]  
 This survey consists of:  
 4 sheet(s) Map  
 0 page(s) Narrative  
 JACKSON COUNTY  
 SURVEYOR

**REFERENCES**

1. CS 12063, FILED JUNE 5, 1990
2. CS 20100, FILED JULY 15, 2008
3. CS 10905, FILED JUNE 12, 1987
4. SOUTHERN PACIFIC COMPANY  
RIGHT OF WAY AND TRACK MAP NO. V-15/7
5. CS 15989, FILED DECEMBER 22, 1998
6. INSTRUMENT NO. 85-17596
7. CITY OF ASHLAND BENCHMARK LIST
8. CS 13955, FILED APRIL 1, 1994
9. CS 7290, FILED JUNE 9, 1978
10. CS 19088, FILED AUGUST 6, 2006
11. CS 12045, FILED MAY 24, 1990
12. CS 12765, FILED DECEMBER 4, 1991
13. CS 13095, FILED AUGUST 3, 1992
14. PLAT OF FOSTER TRACTS, RECORDED JUNE 3, 1948
15. PLAT OF POUNDS TRACTS, RECORDED FEBRUARY 3, 1949
16. ODOT RIGHT OF WAY FILE NO. 49991
17. ODOT RIGHT OF WAY FILE NO. 49996
18. ODOT JURISDICTIONAL TRANSFER FILE NO. 707
19. 1910 COUNTY ROAD SURVEY



**NARRATIVE**

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE FIELD LOCATION OF THE RIGHT OF WAY CENTERLINE AND THE RIGHT OF WAY MARGINS FOR PORTIONS OF WALKER AVENUE, EAST MAIN STREET AND ASHLAND STREET IN ASHLAND OREGON. THIS SURVEY WAS MADE AT THE REQUEST OF THE CITY OF ASHLAND AND THE OREGON DEPARTMENT OF TRANSPORTATION.

THIS SURVEY IS TO ALSO PROVIDE FOR THE PERPETUATION OF THE LOCATIONS OF SURVEY MONUMENTS OF RECORD THAT MAY BE DESTROYED BY THIS PROJECT'S CONSTRUCTION. PERPETUATION OF THE MONUMENT LOCATIONS WAS ACCOMPLISHED BY TYING THE MONUMENTS TO THE PROJECT CONTROL. THIS SURVEY MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES CHAPTER 209.155.

THIS SURVEY WAS PERFORMED IN OCTOBER OF 2012. THE SURVEY EQUIPMENT USED CONSISTED OF ONE TRIMBLE R8 GPS RECEIVER, ONE TRIMBLE S6 ROBOTIC TOTAL STATION, ONE TRIMBLE TSC3 CONTROLLER AND ONE SOKKIA SDL30 DIGITAL LEVEL.

**WALKER AVENUE - "W" LINE**

THE RIGHT-OF-WAY CENTERLINE OF WALKER AVENUE WAS RESOLVED BY HOLDING THE POSITIONS OF THE RECOVERED CENTERLINE MONUMENTS LOCATED AT THE INTERSECTIONS WITH EAST MAIN STREET, POINT NUMBER 1000, AND SISKIYOU BOULEVARD, POINT NUMBER 1033. THE RIGHT-OF-WAY MARGINS WERE THEN OFFSET THE RECORD DISTANCE OF 30.00 FEET EAST AND WEST OF THE ABOVE REFERENCED CENTERLINE. STATIONING FOR THE "W" LINE IS PROJECT SPECIFIC WITH STATION "W" 0+00.000 BEING THE CENTERLINE INTERSECTION WITH EAST MAIN STREET.

**CENTRAL OREGON & PACIFIC RAILROAD**

THE CENTERLINE OF THE CENTRAL OREGON AND PACIFIC RAILROAD WAS ESTABLISHED BY HOLDING AN EVEN SPLIT OF THE MEASURED DISTANCE BETWEEN THE RAILS. THE RIGHT-OF-WAY MARGINS WERE THEN OFFSET PARALLEL TO SAID CENTERLINE THE RECORD WIDTH OF 30.00 FEET ON EACH SIDE OF SAID CENTERLINE, AS SHOWN ON THE SOUTHERN PACIFIC COMPANY RIGHT-OF-WAY AND TRACK MAP NUMBER V-15/7. THE RESOLVED LOCATION AGREES WITH THE RECOVERED SURVEY MONUMENTS TIED AS POINT NUMBERS 1012 AND 1014.

**ASHLAND STREET - "A" LINE**

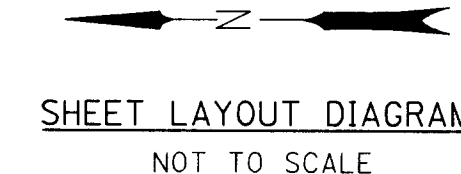
THE RIGHT-OF-WAY CENTERLINE OF ASHLAND STREET, FORMER GREEN SPRINGS HIGHWAY NUMBER 66, AS DESCRIBED IN INSTRUMENT NUMBERS 78-23465 AND 79-03905, OFFICIAL RECORDS OF JACKSON COUNTY, OREGON, WAS RESOLVED BY HOLDING THE RECORD OFFSET, 45.00 FEET LEFT OF CENTERLINE, OF THE RECOVERED RIGHT-OF-WAY MONUMENTS TIED AS POINT NUMBERS 1024 AND 1028, AS SHOWN ON ODOT RIGHT-OF-WAY DRAWING NUMBER 10C-50-6. STATIONING WAS ESTABLISHED BY HOLDING THE RECORD STATION OF 6+50.00 AT THE FOUND MONUMENT TIED AS POINT NUMBER 1024 AS SHOWN ON SAID ODOT RIGHT-OF-WAY DRAWING. THE SOUTHERLY RIGHT-OF-WAY OF ASHLAND STREET WAS NOT RESOLVED AS A PART OF THIS SURVEY.

**EAST MAIN STREET - "EM" LINE**

THE RIGHT-OF-WAY CENTERLINE OF EAST MAIN STREET WAS RESOLVED BY HOLDING THE RECOVERED CENTERLINE MONUMENTS TIED AS POINT NUMBERS 1004 AND 1034. THE RIGHT-OF-WAY MARGINS WERE THEN OFFSET PARALLEL WITH SAID CENTERLINE THE RECORD DISTANCE OF 30.00 FEET AS SHOWN HEREON. STATIONING OF THE "EM" LINE IS BASED ON THE RECORD STATION, 953+50.9, PER COUNTY SURVEY NUMBER 12063 FOR THE CENTERLINE MONUMENT TIED AS POINT NUMBER 1004.

**IOWA STREET**

THE RIGHT-OF-WAY CENTERLINE OF IOWA STREET AS ESTABLISHED BY INSTRUMENT NUMBER 85-17596, OFFICIAL RECORDS OF JACKSON COUNTY, OREGON, WAS RESOLVED BY HOLDING THE RECOVERED CENTERLINE MONUMENTS TIED AS POINT NUMBERS 1008 AND 1020. THE RIGHT-OF-WAY MARGINS WERE THEN OFFSET PARALLEL WITH SAID CENTERLINE THE RECORD DISTANCES PER SAID INSTRUMENT NUMBER 85-17596, AS SHOWN HEREON.



**LEGEND**

- ★ SET GPS CONTROL POINT
- ☆ FOUND SURVEY MARKER USED AS GPS CONTROL POINT
- EDGE OF PAVEMENT

12/19/2012

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

[Signature]

OREGON  
JULY 12, 2005  
ARON JAMES CUTSFORTH  
65696  
RENEWAL: DEC. 31, 2013

FILE NAME: 17249ret.dgn

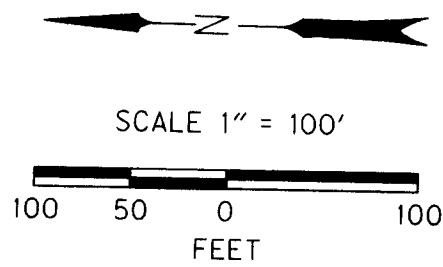
**OBEC CONSULTING ENGINEERS**  
 Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090  
 2235 MISSION STREET SE, SUITE 100 SALEM, OREGON 97302-1295, 503-589-4100  
 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590  
 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

**CITY OF ASHLAND &  
 OREGON DEPARTMENT OF TRANSPORTATION**  
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY  
 WALKER AVE: ASHLAND ST. TO EAST MAIN ST.  
 JACKSON COUNTY

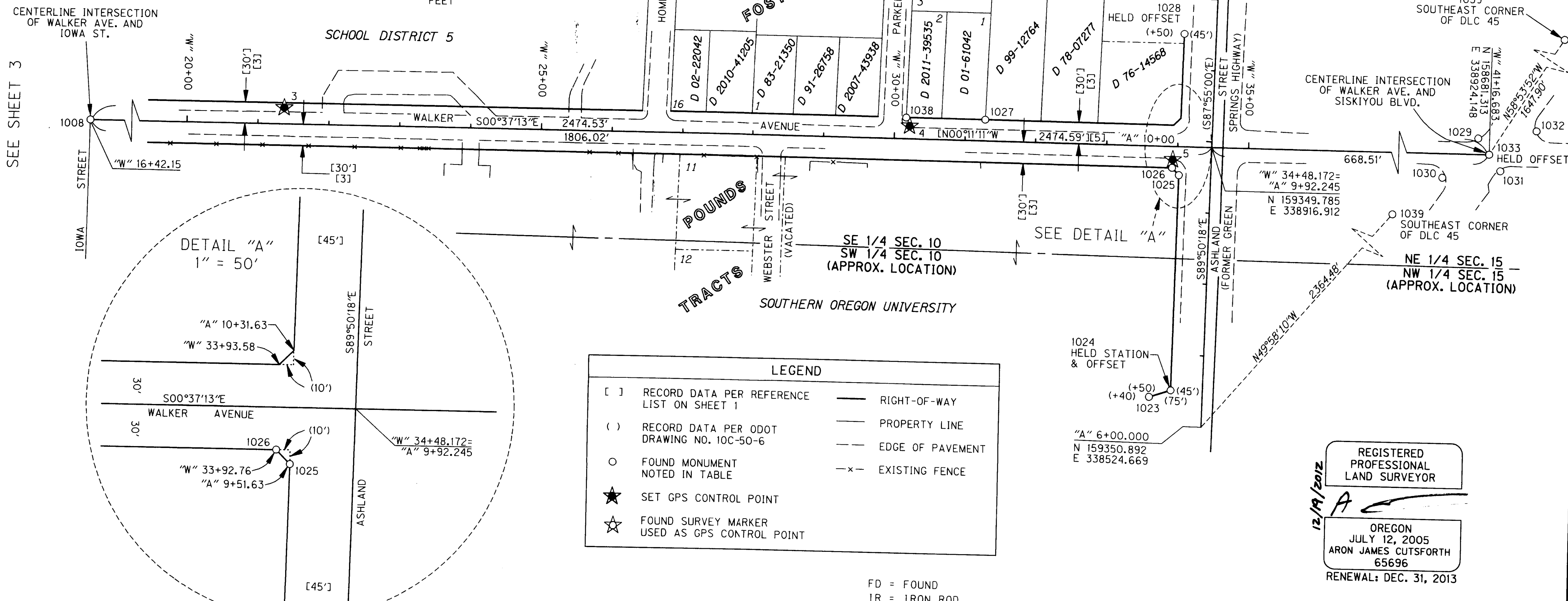
ODOT REGION 3  
 100 ANTELOPE ROAD  
 WHITE CITY, OR 97503  
 DECEMBER, 2012  
 NO SCALE  
 SHEET 1 OF 4

|              |               |                        |                      |
|--------------|---------------|------------------------|----------------------|
| J. COLTON    | OBEC          | DESIGNED: A. CUTSFORTH | PROJ. NO. 019-100.30 |
| APPROVED BY: | GROUP MANAGER | DRAWN: A. CUTSFORTH    | CHK'D: L. MILES      |

SW 1/4 SEC 10 T39S R1E WM  
 SE 1/4 SEC 10 T39S R1E WM  
 NE 1/4 SEC 15 T39S R1E WM



**\*\* RECEIVED \*\***  
 DATE 12-19-2012  
 This survey consists of:  
 4 sheet(s) Map  
 2 page(s) Narrative  
 JACKSON COUNTY SURVEYOR



| LEGEND |   |
|--------|---|
| [ ]    | RECORD DATA PER REFERENCE LIST ON SHEET 1     |
| ( )    | RECORD DATA PER ODOT DRAWING NO. 10C-50-6     |
| ○      | FOUND MONUMENT NOTED IN TABLE                 |
| ★      | SET GPS CONTROL POINT                         |
| ☆      | FOUND SURVEY MARKER USED AS GPS CONTROL POINT |
| —      | RIGHT-OF-WAY                                  |
| —      | PROPERTY LINE                                 |
| - - -  | EDGE OF PAVEMENT                              |
| - x -  | EXISTING FENCE                                |

REGISTERED PROFESSIONAL LAND SURVEYOR  
 12/19/2012  
 A  
 OREGON  
 JULY 12, 2005  
 ARON JAMES CUTSFORTH  
 65696  
 RENEWAL: DEC. 31, 2013

RECOVERED MONUMENT LIST

| PT NO | OCS NORTHING | OCS EASTING | STATION      | OFFSET    | DATE     | DESCRIPTION & REFERENCE DOCUMENTS  |
|-------|--------------|-------------|--------------|-----------|----------|--|
| 1023  | 159425.81    | 338564.52   | "A" 6+39.64  | 75.03' LT | 10/25/12 | FD 5/8" IR W/ 1-1/2" ALUM. CAP (ILLEGIBLE), GOOD CONDITION, DOWN 0.3', PER ODOT DRAWING NO. 10C-50-6                           |
| 1024  | 159395.75    | 338574.80   | "A" 6+50.00  | 45.00' LT | 10/25/12 | FD 5/8" IR W/ 1-1/2" ALUM. CAP (ILLEGIBLE), GOOD CONDITION, DOWN 0.3', PER ODOT DRAWING NO. 10C-50-6                           |
| 1025  | 159394.91    | 338876.16   | "A" 9+51.37  | 45.01' LT | 10/25/12 | FD 5/8" IR W/ 1-1/2" ALUM. CAP (ILLEGIBLE), GOOD CONDITION, DOWN 0.7', PER ODOT DRAWING NO. 10C-50-6                           |
| 1026  | 159404.87    | 338886.04   | "W" 33+92.76 | 30.28' RT | 10/25/12 | FD 5/8" IR W/ 1-1/2" ALUM. CAP (ILLEGIBLE), GOOD CONDITION, DOWN 0.2', PER ODOT DRAWING NO. 10C-50-6                           |
| 1027  | 159670.19    | 338943.08   | "W" 31+28.07 | 29.64' LT | 10/25/12 | FD 3/4" I.D. IRON PIPE, GOOD CONDITION, DOWN 0.5', PER PLAT OF FOSTER TRACTS   |
| 1028  | 159394.34    | 339075.02   | "A" 11+50.22 | 45.00' LT | 10/25/12 | FD 5/8" IR W/ 1-1/2" ALUM. CAP (ILLEGIBLE), GOOD CONDITION, DOWN 0.9', PER ODOT DRAWING NO. 10C-50-6                           |
| 1029  | 158697.46    | 338946.37   | "W" 41+00.78 | 22.39' LT | 10/25/12 | FD MAG NAIL & WASHER STAMPED "POLARIS LS 2883", GOOD CONDITION, FLUSH IN CURB, NO RECORD FD                                    |
| 1030  | 158746.21    | 338889.33   | "W" 40+51.41 | 34.12' RT | 10/25/12 | FD MAG NAIL & WASHER STAMPED "POLARIS LS 2883", GOOD CONDITION, FLUSH IN CURB, NO RECORD FD                                    |
| 1031  | 158664.70    | 338901.45   | N/A          | N/A       | 10/25/12 | FD 3" BRASS CAP STAMPED "CITY OF ASHLAND SURVEY MARKER, 84", GOOD CONDITION, FLUSH IN CURB, PER CITY OF ASHLAND BENCHMARK LIST |
| 1032  | 158615.83    | 338959.37   | N/A          | N/A       | 10/25/12 | FD 2-1/2" BRASS CAP STAMPED "CITY OF ASHLAND" IN MONUMENT CASE, GOOD CONDITION, DOWN 0.4', PER CS 13095                        |
| 1033  | 158681.31    | 338924.15   | "W" 41+16.68 | 0.00'     | 10/25/12 | FD 3/4" I.D. IRON PIPE IN CONCRETE CURB, GOOD CONDITION, FLUSH, PER PLAT OF FOSTER TRACTS                                      |
| 1038  | 159782.13    | 338941.75   | "W" 30+16.12 | 29.52' LT | 10/25/12 | FD 2-1/2" BRASS CAP IN CONCRETE STAMPED "CS 1988", GOOD CONDITION, DOWN 0.1', PER JCCR   |
| 1039  | 157830.06    | 340335.16   | N/A          | N/A       | 10/25/12 |  |

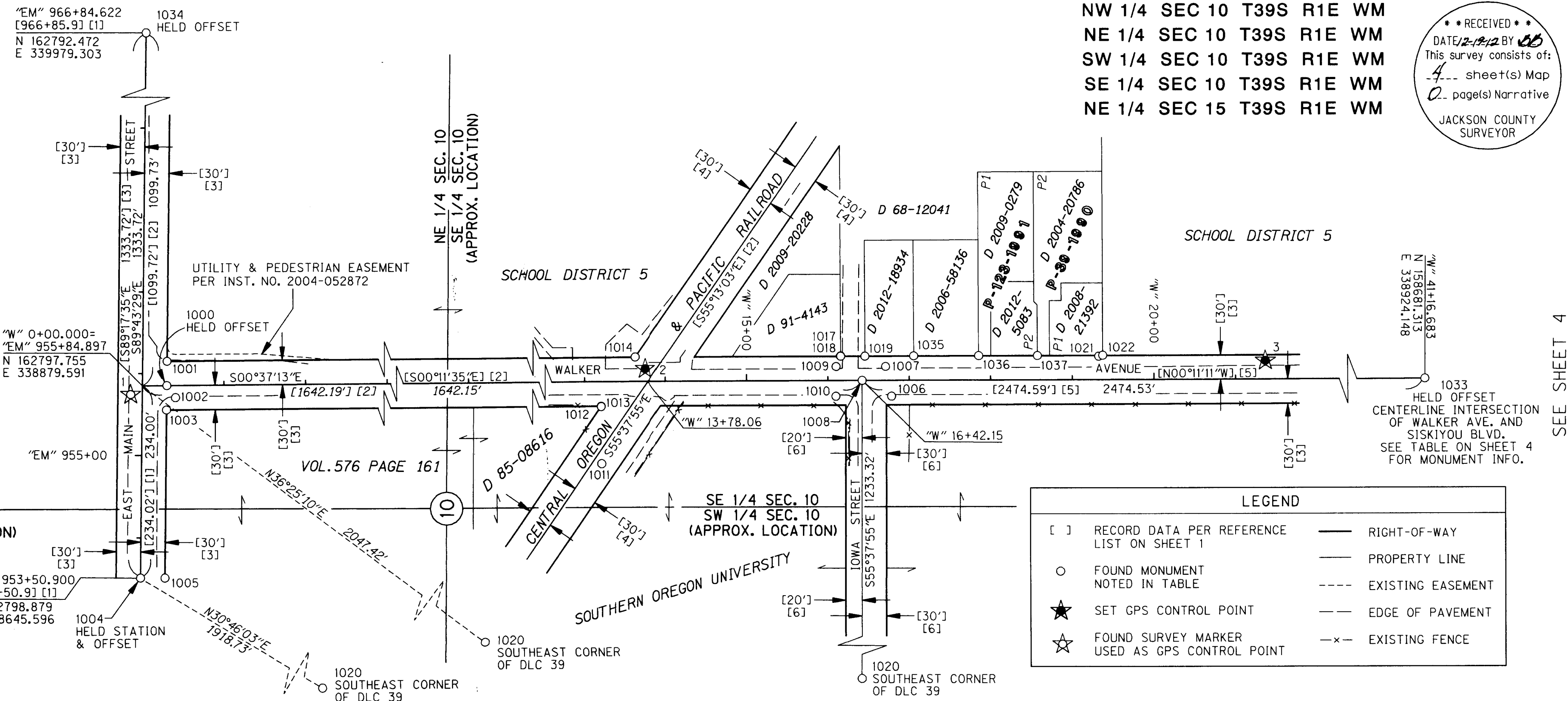
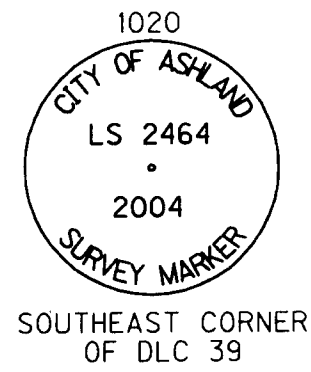
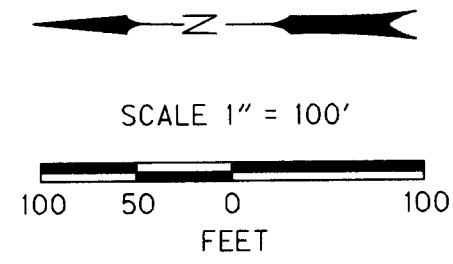
FD = FOUND  
 IR = IRON ROD  
 I.D. = INSIDE DIAMETER  
 CS = COUNTY SURVEY  
 JCCR = JACKSON COUNTY CORNER RECORDS

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  
 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590  
 5005 SW MEADOWS ROAD, SUITE 120 LAKE OSWEGO, OREGON 97035, 503-620-6103

CITY OF ASHLAND &  
 OREGON DEPARTMENT OF TRANSPORTATION  
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY  
 WALKER AVE: ASHLAND ST. TO EAST MAIN ST.  
 JACKSON COUNTY

ODOT REGION 3  
 100 ANTELOPE ROAD  
 WHITE CITY, OR 97503  
 DESIGNED: A. CUTSFORTH  
 DRAWN: A. CUTSFORTH  
 DECEMBER, 2012  
 1" = 100'  
 SHEET 4 OF 4  
 KEY NO. 17249  
 PROJ. NO. 019-100.30  
 CHK'D: L. MILES

FILE NAME: 17249ret.dgn



NW 1/4 SEC 10 T39S R1E WM  
 NE 1/4 SEC 10 T39S R1E WM  
 SW 1/4 SEC 10 T39S R1E WM  
 SE 1/4 SEC 10 T39S R1E WM  
 NE 1/4 SEC 15 T39S R1E WM

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 This survey consists of:  
 4 sheet(s) Map  
 0 page(s) Narrative  
 JACKSON COUNTY SURVEYOR

LEGEND

|     |   |       |                   |
|-----|---|-------|-------------------|
| [ ] | RECORD DATA PER REFERENCE LIST ON SHEET 1     | —     | RIGHT-OF-WAY      |
| ○   | FOUND MONUMENT NOTED IN TABLE                 | —     | PROPERTY LINE     |
| ★   | SET GPS CONTROL POINT                         | ---   | EXISTING EASEMENT |
| ☆   | FOUND SURVEY MARKER USED AS GPS CONTROL POINT | - - - | EDGE OF PAVEMENT  |
|     |   | - x - | EXISTING FENCE    |

RECOVERED MONUMENT LIST

| PT NO | OCRS NORTHING | OCRS EASTING | STATION        | OFFSET    | DATE     | DESCRIPTION & REFERENCE DOCUMENTS  |
|-------|---------------|--------------|----------------|-----------|----------|--|
| 1000  | 162767.79     | 338879.92    | "W" 0+29.97    | 0.00'     | 10/11/12 | FD 3" BRASS CAP STAMPED "CITY OF ASHLAND SURVEY MARKER, LS 759, 1999" IN MONUMENT CASE, GOOD CONDITION, DOWN 0.3', AS SHOWN PER CS 20100                     |
| 1001  | 162767.60     | 338909.92    | "W" 0+30.48    | 30.00' LT | 10/11/12 | FD TACK AND WASHER STAMPED "LS 50077" IN CONCRETE GUTTER, GOOD CONDITION, PER CS 20100   |
| 1002  | 162757.05     | 338865.23    | "W" 0+40.55    | 14.80' RT | 10/11/12 | FD 3" BRASS CAP STAMPED "CITY OF ASHLAND SURVEY MONUMENT, NO. ", GOOD CONDITION, FLUSH IN CURB, PER CITY OF ASHLAND BENCHMARK LIST                           |
| 1003  | 162767.98     | 338849.95    | "W" 0+29.45    | 29.97' RT | 10/11/12 | FD 5/8" IR W/ RPC STAMPED "D. HUCK, LS 2023" FLUSH IN SIDEWALK, GOOD CONDITION, PER CS 13955   |
| 1004  | 162798.88     | 338645.60    | "EM" 953+50.90 | 0.00'     | 10/11/12 | FD 2-1/2" BRASS CAP STAMPED "1910 ROAD P1, STA 953+50.9, CS 1990" IN MONUMENT CASE, GOOD CONDITION, DOWN 0.3', PER CS 12063                                  |
| 1005  | 162768.90     | 338645.69    | "EM" 953+51.13 | 29.98' RT | 10/11/12 | FD TACK AND WASHER STAMPED "LS 2023" FLUSH IN SIDEWALK, GOOD CONDITION, PER CS 13955   |
| 1006  | 161119.34     | 338878.37    | "W" 16+78.31   | 19.39' RT | 10/11/12 | FD TACK AND WASHER, ILLEGIBLE, FLUSH IN CURB, NO RECORD FOUND  |
| 1007  | 161126.97     | 338914.82    | "W" 16+71.07   | 17.14' LT | 10/11/12 | FD TACK AND WASHER STAMPED "PLS 2464", FLUSH IN CURB, GOOD CONDITION, NO RECORD FOUND  |
| 1008  | 161155.72     | 338897.38    | "W" 16+42.13   | 0.02' LT  | 10/11/12 | FD 3" BRASS CAP STAMPED "CITY OF ASHLAND SURVEY MARKER PLS 2464" IN MONUMENT CASE, GOOD CONDITION, AS SHOWN ON CS 20100                                      |
| 1009  | 161187.94     | 338914.20    | "W" 16+10.09   | 17.18' LT | 10/11/12 | FD TACK AND WASHER STAMPED "LS 2464", FLUSH IN CURB, GOOD CONDITION, NO RECORD FOUND   |
| 1010  | 161187.97     | 338877.78    | "W" 16+09.67   | 19.24' RT | 10/11/12 | FD TACK AND WASHER STAMPED "LS 2464", FLUSH IN CURB, GOOD CONDITION, NO RECORD FOUND   |
| 1011  | 161475.94     | 338794.09    | "W" 13+20.82   | 99.80' RT | 10/11/12 | FD 3-1/2" BRASS CAP STAMPED "U.S. COAST & GEODETIC SURVEY, R548, 1954", IN CONCRETE, GOOD CONDITION, DOWN 0.5'   |
| 1012  | 161477.02     | 338863.90    | "W" 13+20.49   | 29.98' RT | 10/11/12 | FD 5/8" IR W/ YPC STAMPED "SWAIN LS 759", GOOD CONDITION, DOWN 0.5', PER CS 10905  |
| 1013  | 161476.95     | 338863.36    | "W" 13+20.55   | 30.53' RT | 10/11/12 | FD 3/4" I.D. IRON PIPE, GOOD CONDITION, DOWN 0.2', AS SHOWN PER CS 10905   |
| 1014  | 161435.70     | 338924.38    | "W" 13+62.46   | 30.05' LT | 10/11/12 | FD 5/8" IR W/ OPC STAMPED "FRANTZ LS 50077", GOOD CONDITION, DOWN 0.1', PER CS 20100   |
| 1017  | 161182.55     | 338927.31    | "W" 16+15.63   | 30.23' LT | 10/25/12 | FD 3/4" I.D. IRON PIPE, BENT, UP 0.3', NO RECORD FOUND   |
| 1018  | 161182.48     | 338927.06    | "W" 16+15.70   | 29.98' LT | 10/25/12 | FD 5/8" IR W/ YPC STAMPED "EL SWAIN RLS 759", GOOD CONDITION, DOWN 0.2', PER CS 7290   |
| 1019  | 161152.56     | 338927.34    | "W" 16+45.61   | 29.94' LT | 10/25/12 | FD 5/8" IR W/ YPC STAMPED "EL SWAIN RLS 759", GOOD CONDITION, DOWN 0.3', PER CS 7290   |
| 1020  | 161150.21     | 337664.06    | N/A            | N/A       | 10/25/12 | FD 3" BRASS CAP STAMPED "CITY OF ASHLAND SURVEY MARKER, LS 2464, 2004" IN MONUMENT CASE, GOOD CONDITION, DOWN 0.8', PER CS 19088, SOUTHEAST CORNER OF DLC 39 |
| 1021  | 160865.64     | 338929.38    | "W" 19+32.55   | 28.87' LT | 10/25/12 | FD 5/8" IR, FLUSH W/ GROUND, GOOD CONDITION, AS SHOWN PER CS 7290  |
| 1022  | 160860.72     | 338930.68    | "W" 19+37.48   | 30.12' LT | 10/25/12 | FD 5/8" IR W/ RPC STAMPED "DA EDWARDS RPLS 2339", GOOD CONDITION, FLUSH W/ GROUND, PER CS 12045  |
| 1034  | 162792.47     | 339979.30    | "EM" 966+84.62 | 0.00'     | 10/25/12 | FD 2-1/2" BRASS CAP STAMPED "1910 ROAD P1, STA 966+85.9, CS 1990" IN CONCRETE, GOOD CONDITION, FLUSH W/ ASPHALT, PER CS 12063                                |
| 1035  | 161092.58     | 338928.06    | "W" 17+05.60   | 30.01' LT | 10/25/12 | FD 5/8" IR W/ YPC STAMPED "EL SWAIN RLS 759", GOOD CONDITION, DOWN 0.3', PER CS 7290   |
| 1036  | 161012.58     | 338928.93    | "W" 17+85.60   | 30.02' LT | 10/25/12 | FD 5/8" IR W/ YPC STAMPED "FARBER LS 2189", GOOD CONDITION, DOWN 0.4', PER CS 12765  |
| 1037  | 160940.78     | 338929.68    | "W" 18+57.41   | 29.98' LT | 10/25/12 | FD 5/8" IR W/ RPC STAMPED "DA EDWARDS RPLS 2339", GOOD CONDITION, DOWN 0.5', PER CS 12045  |

FD = FOUND  
 IR = IRON ROD  
 I.D. = INSIDE DIAMETER  
 CS = COUNTY SURVEY  
 RPC = RED PLASTIC CAP  
 YPC = YELLOW PLASTIC CAP  
 OPC = ORANGE PLASTIC CAP

REGISTERED PROFESSIONAL LAND SURVEYOR  
 OREGON  
 JULY 12, 2005  
 ARON JAMES CUTSFORTH  
 65696  
 RENEWAL: DEC. 31, 2013

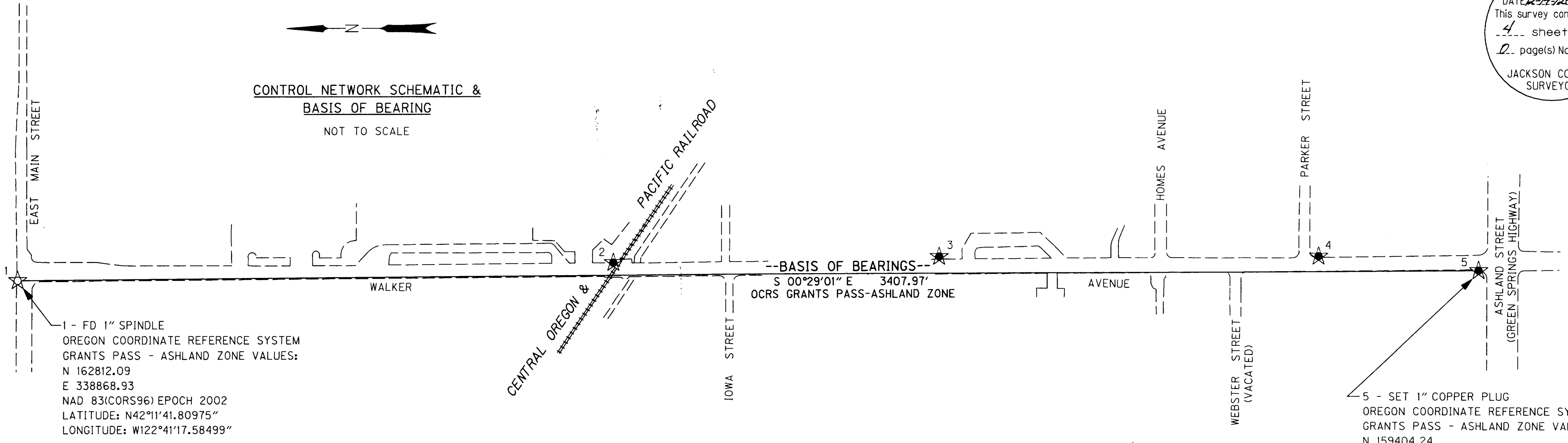
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 CHK'D: L. MILES

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SE 1/4 SEC 10 T39S R1E WM

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DATE 12-19-2012 BY *AE*  
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2 page(s) Narrative  
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1 - FD 1" SPINDLE  
OREGON COORDINATE REFERENCE SYSTEM  
GRANTS PASS - ASHLAND ZONE VALUES:  
N 162812.09  
E 338868.93  
NAD 83(CORS96) EPOCH 2002  
LATITUDE: N42°11'41.80975"  
LONGITUDE: W122°41'17.58499"

5 - SET 1" COPPER PLUG  
OREGON COORDINATE REFERENCE SYSTEM  
GRANTS PASS - ASHLAND ZONE VALUES:  
N 159404.24  
E 338897.69  
NAD 83(CORS96) EPOCH 2002  
LATITUDE: N42°11'08.14663"  
LONGITUDE: W122°41'17.54522"

| LEGEND |  |
|--------|--|
|        | FOUND SURVEY MARKER USED AS GPS CONTROL POINT (ORGN RTK) |
|        | SET GPS CONTROL POINT (ORGN RTK)                         |
|        | EDGE OF PAVEMENT   |

**CONTROL NARRATIVE**

PROJECT: WALKER AVE: ASHLAND ST. TO EAST MAIN ST.  
LOCATION: ASHLAND, JACKSON COUNTY, OREGON  
OBEC PROJECT: 0019-0100.30  
SURVEY DATUM:  
HORIZONTAL - OCRS: GRANTS PASS-ASHLAND ZONE  
NAD83 (CORS96) EPOCH 2002 (INTERNATIONAL FEET)

**OREGON COORDINATE REFERENCE SYSTEM (OCRS)  
GRANTS PASS-ASHLAND ZONE PARAMETERS**

TRANSVERSE MERCATOR PROJECTION  
NORTH AMERICAN DATUM 1983  
LATITUDE OF GRID ORIGIN : 41°45'00" N  
CENTRAL MERIDIAN : 123°20'00" W  
FALSE NORTHING: 0.000 M (0.00 FT)  
FALSE EASTING: 50,000.000 M (164041.9948 FT)  
CENTRAL MERIDIAN SCALE: 1.000043 (EXACT)

**1.96 SIGMA (95%) CONFIDENCE LEVEL  
LIMITS-RTK GPS CONFIDENCE TABLE**

| PT NO | SOLUTION                 | RMS   |
|-------|--------------------------|-------|
| 1     | WIDE AREA RTK - L1 FIXED | 0.02' |
| 2     | WIDE AREA RTK - L1 FIXED | 0.02' |
| 3     | WIDE AREA RTK - L1 FIXED | 0.02' |
| 4     | WIDE AREA RTK - L1 FIXED | 0.02' |
| 5     | WIDE AREA RTK - L1 FIXED | 0.02' |

RMS (ROOT MEAN SQUARE) AFTER A MINIMUM OF 180 MEASUREMENTS OF EACH BASE LINE INDICATES THE QUALITY OF THE SOLUTION BASED ON MEASUREMENT NOISE. THE LOWER THE RMS VALUE, THE HIGHER THE QUALITY OF THE BASELINE. RMS IS EXPRESSED IN FEET AND IS THE RADIUS OF THE ERROR CIRCLE WITHIN WHICH 95% OF THE POSITION FIXES ARE FOUND.

**HORIZONTAL CONTROL SURVEY**

PRIMARY CONTROL FOR THIS PROJECT WAS ESTABLISHED BY USING THE OREGON REAL TIME GPS NETWORK (ORGN) TO ESTABLISH HORIZONTAL POSITIONS FOR CONTROL POINTS 1 THROUGH 5. THE MEAN NORTHINGS AND EASTINGS OF A MINIMUM OF TWO SEPARATE 180 EPOCH OBSERVATIONS UNDER DIFFERENT SATELLITE CONSTELLATIONS WERE HELD FIXED.

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 BY THE CITY OF ASHLAND, THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) AND OBEC CONSULTING ENGINEERS IN SUPPORT OF FUTURE PROJECTS. IT IS NOT THE INTENT OF THE CITY OF ASHLAND, ODOT, OR OBEC CONSULTING ENGINEERS TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

**VERTICAL CONTROL SURVEY**

VERTICAL CONTROL IS BASED ON THE CITY OF ASHLAND (NGVD 29(56) DATUM) AND WAS ESTABLISHED BY HOLDING THE PUBLISHED ELEVATION OF THE CITY OF ASHLAND BENCHMARK (UNNUMBERED) LOCATED AT THE INTERSECTION OF EAST MAIN STREET AND WALKER AVENUE WITH A RECORD ELEVATION OF 1885.609 FEET. A DIGITAL LEVEL LOOP WAS RUN THROUGH CONTROL POINTS 1 THROUGH 5.

**CONTROL POINT COORDINATE TABLE**

| PT. NO. | OCRS NORTHING | OCRS EASTING | NGVD 29(56) ELEVATION | CONVERGENCE ANGLE | DATE    | DESCRIPTION  |
|---------|---------------|--------------|-----------------------|-------------------|---------|--|
| 1       | 162812.09     | 338868.93    | 1885.16               | 0°26'00"          | 9/25/12 | FD 1" SPINDLE STAMPED "SURVEY MARKER" FLUSH WITH ASPHALT     |
| 2       | 161423.45     | 338909.94    | 1930.44               | 0°26'00"          | 9/25/12 | SET 1" COPPER PLUG STAMPED "OBEC" IN CONCRETE GUTTER PAN     |
| 3       | 160661.37     | 338925.63    | 1947.09               | 0°26'00"          | 9/25/12 | SET 1" COPPER PLUG STAMPED "OBEC" IN TOP OF CONCRETE MANHOLE |
| 4       | 159776.89     | 338930.05    | 1974.58               | 0°26'00"          | 9/25/12 | SET 1" COPPER PLUG STAMPED "OBEC" IN TOP OF CONCRETE CURB    |
| 5       | 159404.24     | 338897.69    | 1993.51               | 0°26'00"          | 9/25/12 | SET 1" COPPER PLUG STAMPED "OBEC" IN TOP OF CONCRETE CURB    |

FD = FOUND  
RPC = RED PLASTIC CAP

REGISTERED PROFESSIONAL LAND SURVEYOR  
*AE*  
OREGON  
JULY 12, 2005  
ARON JAMES CUTSFORTH  
65696  
RENEWAL: DEC. 31, 2013

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FILE NAME: 17249ret.dgn

CITY OF ASHLAND &  
OREGON DEPARTMENT OF TRANSPORTATION  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY  
WALKER AVE: ASHLAND ST. TO EAST MAIN ST.  
JACKSON COUNTY

ODOT REGION 3  
100 ANTELOPE ROAD  
WHITE CITY, OR 97503  
KEY NO. 17249

DECEMBER, 2012  
NO SCALE  
SHEET 2 OF 4

DESIGNED: A. CUTSFORTH  
DRAWN: A. CUTSFORTH  
CHK'D: L. MILES

PROJ. NO. 019-100.30