

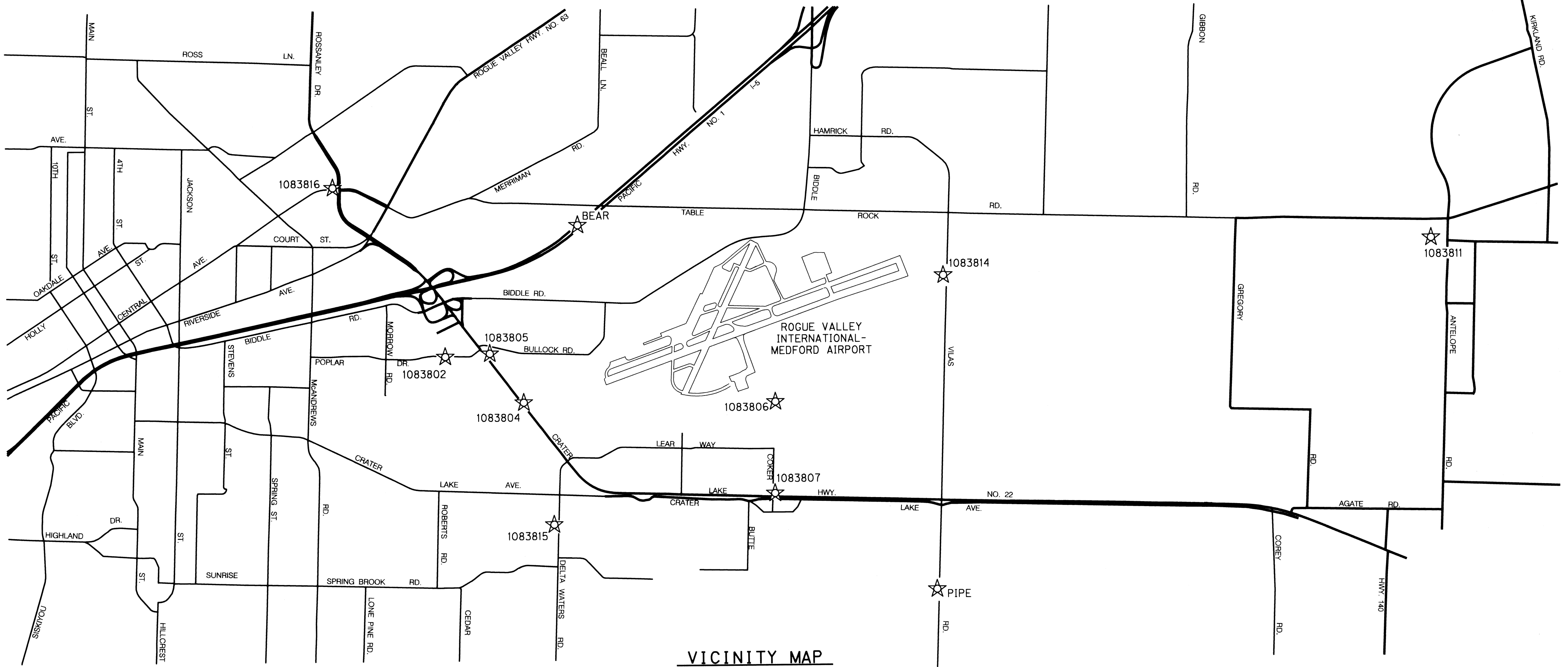
SHEET INDEX

1. VICINITY MAP, NARRATIVE & REFERENCES LIST
2. CONTROL NARRATIVE, NETWORK SCHEMATIC, BASIS OF BEARINGS & COORDINATE SYSTEM DETAILS
- 3-4. CONTROL POINT DETAILS AND COORDINATE VALUES

SW 1/4 SEC 18 T37S R1W WM (1083802)
 NE 1/4 SEC 18 T37S R1W WM (1083804)
 NW 1/4 SEC 18 T37S R1W WM (1083805)
 SW 1/4 SEC 6 T37S R1W WM (1083806)
 SW 1/4 SEC 6 T37S R1W WM (1083807)
 NE 1/4 SEC 24 T36S R2W WM (1083811)

NE 1/4 SEC 1 T37S R2W WM (1083814)
 NW 1/4 SEC 17 T37S R1W WM (1083815)
 NW 1/4 SEC 24 T37S R2W WM (1083816)
 NE 1/4 SEC 12 T37S R2W WM (BEAR)
 SW 1/4 SEC 32 T36S R1W WM (PIPE)

*** FILED ***
 DATE 4/5/16 BY *pb*
 This survey consists of:
 4 sheet(s) Map
 2 page(s) Narrative
 JACKSON COUNTY SURVEYOR



VICINITY MAP
 NOT TO SCALE

NARRATIVE

THE PURPOSE OF THIS SURVEY ESTABLISH STATE PLANE COORDINATES ON THE EXISTING CONTROL MONUMENTS FOUND OR SET BY THE OREGON DEPARTMENT OF TRANSPORTATION AS DESCRIBED ON SURVEY NUMBER 19957 ON FILE WITH THE JACKSON COUNTY SURVEYORS OFFICE. SPECIFICALLY PERTAINING TO THE ROGUE VALLEY INTERNATIONAL-MEDFORD AIRPORT BOUNDARY. THIS SURVEY IS BEING FILED TO DETAIL THE GEODETIC CONTROL NETWORK AND RESULTANT COORDINATES. THIS SURVEY WAS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF O.R.S. 209.250.

THE HORIZONTAL DATUM FOR THIS PROJECT IS NAD83(2011) EPOCH 2010 AND THE VERTICAL DATUM IS NAVD88(GE0ID12B). ALL THE ORTHOMETRICS HEIGHTS HAVE BEEN PROVIDED BASED ON THE NATIONAL GEODETIC SURVEY'S GE0ID12B GE0ID MODEL. THE ORIGINAL LEVELED ELEVATIONS PER SAID SURVEY NUMBER 19957 HAVE ALSO BEEN SHOWN. THE LEVELED ELEVATIONS WERE NOT VERIFIED DURING THIS SURVEY AND ARE SHOWN AS RECORD INFORMATION ONLY.

THIS SURVEY WAS PERFORMED IN FEBRUARY AND MARCH OF 2016. ALL FIELD OBSERVATIONS WERE MADE ON FEBRUARY 29, 2016 & MARCH 1, 2016. THE SURVEY EQUIPMENT USED CONSISTED OF, ONE TRIMBLE R8-GNSS MODEL 3 GPS RECIEVER, ONE TRIMBLE R8-MODEL 4 GPS RECEIVER, TWO TRIMBLE R8 GPS RECIEVERS, ONE TRIMBLE 5700 GPS RECIEVER AND TWO TRIMBLE TSC3 DATA COLLECTORS.

SURVEY REFERENCES

RI- JACKSON COUNTY SURVEY NUMBER 19957

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

OREGON
 JULY 12, 2005
 LOGAN MILES
 65452

RENEWAL: DEC. 31, 2016
 signed: 4/5/16

Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 3990 FAIRVIEW INDUSTRIAL DR SE, SUITE 200 SALEM, OREGON 97302-1166, 503-589-4100
 831 OHARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590
 5000 MEADOWS ROAD, SUITE 420 LAKE OSWEGO, OREGON 97035, 503-620-6103
 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391

JACKSON COUNTY
 MAP OF SURVEY
 GEODETIC CONTROL NETWORK
 ROGUE VALLEY INTERNATIONAL-
 MEDFORD AIRPORT

JACKSON COUNTY
 10 SOUTH OAKDALE, RM 318A
 MEDFORD, OREGON 97501

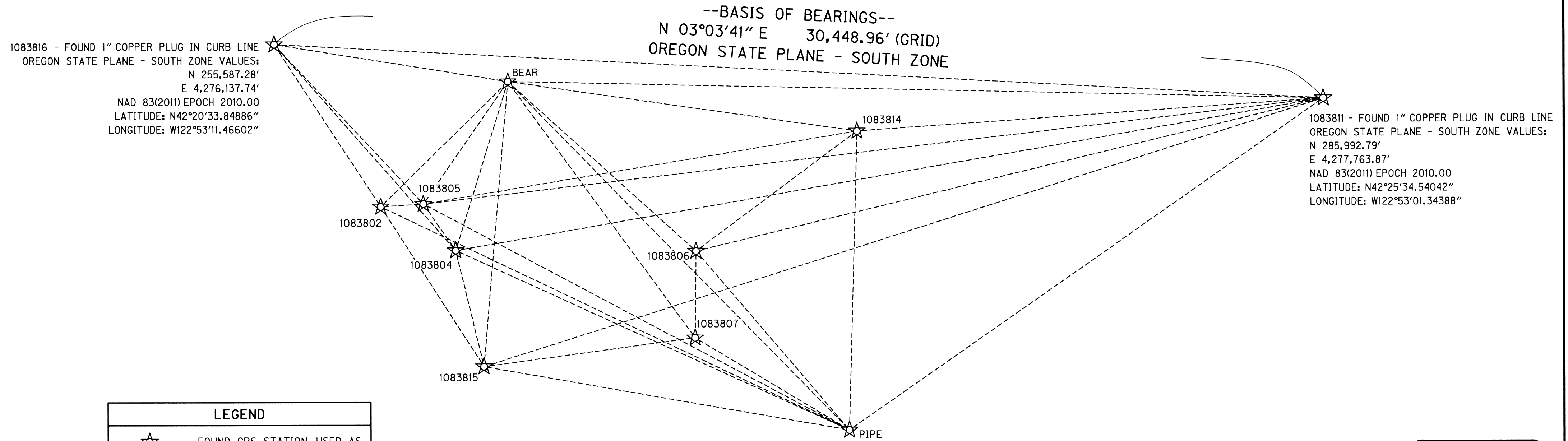
APRIL 5, 2016
 NO SCALE
 SHEET 1 OF 4

J. COLTON	OBEC	DESIGNED: L. MILES	PROJ. NO. 0114-0072
APPROVED BY:	DIVISION MANAGER	DRAWN: L. MILES	CHK'D: A. SILBERNAGEL

SW 1/4 SEC 18 T37S R1W WM (1083802)
 NE 1/4 SEC 18 T37S R1W WM (1083804)
 NW 1/4 SEC 18 T37S R1W WM (1083805)
 SW 1/4 SEC 6 T37S R1W WM (1083806)
 SW 1/E SEC 6 T37S R1W WM (1083807)
 NE 1/4 SEC 24 T36S R2W WM (1083811)

NE 1/4 SEC 1 T37S R2W WM (1083814)
 NW 1/4 SEC 17 T37S R1W WM (1083815)
 NW 1/4 SEC 24 T37S R2W WM (1083816)
 NE 1/4 SEC 12 T37S R2W WM (BEAR)
 SW 1/4 SEC 32 T36S R1W WM (PIPE)

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4 sheet(s) Map
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 JACKSON COUNTY
 SURVEYOR



LEGEND	
	FOUND GPS STATION, USED AS NETWORK CONTROL
	LINE OF OBSERVATION

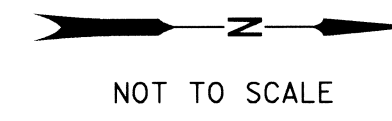
**CONTROL NETWORK SCHEMATIC &
 BASIS OF BEARING**
 NOT TO SCALE

**REGISTERED
 PROFESSIONAL
 LAND SURVEYOR**

Logan Miles

**OREGON
 JULY 12, 2005
 LOGAN MILES
 65452**

RENEWAL: DEC. 31, 2016
 Signed: 4/5/16



CONTROL NARRATIVE

PROJECT: JACKSON COUNTY AIRPORT CONTROL SURVEY
 LOCATION: JACKSON COUNTY
 OBEC PROJECT: 0114-0072
 SURVEY DATUM:
 HORIZONTAL - OREGON STATE PLANE SOUTH ZONE(3602)
 NAD83(2011) EPOCH 2010
 (INTERNATIONAL FEET)
 VERTICAL - NAVD88(GEOD12B)

PRIMARY HORIZONTAL AND ELLIPSOIDAL CONTROL WAS BROUGHT INTO THE PROJECT BY USING AN OPUS-S SOLUTION FROM CORS STATIONS "DCSO, ORK6 & P368" TO ESTABLISH CONTROL POSITION POINTS 1083811, PIPE & BEAR, AN OPUS-S SOLUTION FROM CORS STATIONS "YBHB, P154 & P784" WAS USED TO ESTABLISH A CONTROL POSITION POINT 1083816.

A SUBSEQUENT STATIC GPS SURVEY WAS PERFORMED TO ESTABLISH POSITIONS FOR POINTS 1083802, 1083804, 1083805, 1083806, 1083807, 1083814 & 1083815. A GPS NETWORK ADJUSTMENT WAS PERFORMED AT THE 95 PERCENT (2-SIGMA) CONFIDENCE LEVEL LIMIT. THE ADJUSTMENT WAS COMPLETED ON THE NAD83(2011)_EPOCH 2010 REALIZATION, ADJUST THE LATITUDE, LONGITUDE AND ELLIPSOID HIEGHTS OF THE POINTS. ONCE THE ADJUSTMENT WAS COMPLETED THE RESULTANT GRID COORDINATES WERE THEN COMPUTED BY PROJECTING THE GEODETIC VALUES TO THE OREGON STATE PLANE - SOUTH ZONE (3602) COORDINATE SYSTEM ON THE NAD83(2011) EPOCH 2010 REALIZATION. THE GPS DERIVED ORTHOMETRIC HIEGHTS WERE COMPUTED APPLYING GEOD12B TO THE ADJUSTED ELLIPSOID VALUES.

BASIS OF BEARINGS IS GRID NORTH BASED ON THE OREGON STATE PLANE SOUTH ZONE (3602), NAD83(2011)_EPOCH 2010 COORDINATE SYSTEM AS APPLIED TO THE LINE BETWEEN FOUND MONUMENTS 1083811 AND 1083816 AS SHOWN HEREON.

FILE NAME: 114-72.Control.dgn

OBEC CONSULTING ENGINEERS
 www.obec.com

Corporate Offices: 920 COUNTRY CLUB ROAD, SUITE 1009 EUGENE, OREGON 97401-6089, 541-683-6090
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 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391

JACKSON COUNTY

**MAP OF SURVEY
 GEODETIC CONTROL NETWORK
 ROGUE VALLEY INTERNATIONAL-
 MEDFORD AIRPORT**

JACKSON COUNTY APRIL 5, 2016
 10 SOUTH OAKDALE, RM 318A NO SCALE
 MEDFORD, OREGON 97501 SHEET 2 OF 4

DESIGNED: L. MILES	PROJ. NO. 0114-0072
DRAWN: L. MILES	CHK'D: A. SILBERNAGEL

NE 1/4 SEC 24 T36S R2W WM (1083811)
 NW 1/4 SEC 24 T37S R2W WM (1083816)
 NE 1/4 SEC 12 T37S R2W WM (BEAR)
 SW 1/4 SEC 32 T36S R1W WM (PIPE)

FILED
 DATE 4/16/16 BY RB
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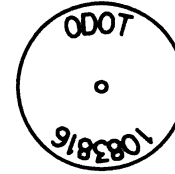
PRIMARY NETWORK POINTS (OPUS-S)

1083816 - FOUND 1" COPPER PLUG IN CONCRETE CURB
 PER SURVEY NUMBER 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°20'33.84886"
 LONGITUDE: W122°53'11.46602"
 ELLIPSOID HIEGHT= 1274.29'
 NORTHING: 255587.28'
 EASTING: 4276137.74'
 ORTHOMETRIC ELEVATION= 1353.88' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1353.89' (NAVD88)
 GEOID SEPARATION: -79.59'
 CONVERGENCE ANGLE: -01°37'58"
 POINT SCALE FACTOR: 0.99999765
 COMBINED SCALE FACTOR: 0.99993685

STATISTICAL SUMMARY (FROM OPUS-S)
 REPORTED AS PEAK TO PEAK
 (95% CONFIDENCE LEVEL)
 LAT: 0.02'
 LONG: 0.01'
 ELL. HGT.: 0.01'

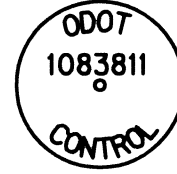


1083811 - FOUND 1" COPPER PLUG IN CONCRETE CURB
 PER SURVEY NUMBER 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°25'34.54042"
 LONGITUDE: W122°53'01.34388"
 ELLIPSOID HIEGHT= 1190.87'
 NORTHING: 285992.79'
 EASTING: 4277763.87'
 ORTHOMETRIC ELEVATION= 1270.63' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1270.48' (NAVD88)
 GEOID SEPARATION: -79.76'
 CONVERGENCE ANGLE: -01°37'51"
 POINT SCALE FACTOR: 0.99997789
 COMBINED SCALE FACTOR: 0.99992108

STATISTICAL SUMMARY (FROM OPUS-S)
 REPORTED AS PEAK TO PEAK
 (95% CONFIDENCE LEVEL)
 LAT: 0.05'
 LONG: 0.02'
 ELL. HGT.: 0.03'

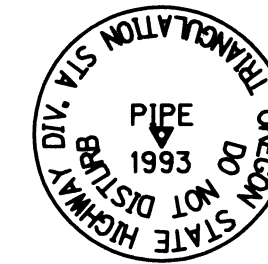


PIPE - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 17733 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°23'21.41970"
 LONGITUDE: W122°50'48.13878"
 ELLIPSOID HIEGHT= 1248.63'
 NORTHING: 272239.97'
 EASTING: 4287372.43'
 ORTHOMETRIC ELEVATION= 1328.35' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1328.25' (NAVD88)
 GEOID SEPARATION: -76.72'
 CONVERGENCE ANGLE: -01°36'20"
 POINT SCALE FACTOR: 0.99998638
 COMBINED SCALE FACTOR: 0.99992681

STATISTICAL SUMMARY (FROM OPUS-S)
 REPORTED AS PEAK TO PEAK
 (95% CONFIDENCE LEVEL)
 LAT: 0.02'
 LONG: 0.02'
 ELL. HGT.: 0.05'

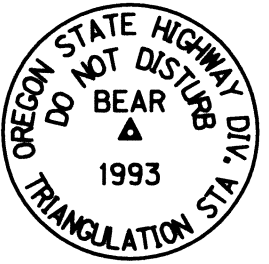


BEAR - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 17733 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°21'41.02442"
 LONGITUDE: W122°52'59.52944"
 ELLIPSOID HIEGHT= 1216.72'
 NORTHING: 262359.31'
 EASTING: 4277227.29'
 ORTHOMETRIC ELEVATION= 1296.41' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1296.30' (NAVD88)
 GEOID SEPARATION: -79.69'
 CONVERGENCE ANGLE: -01°37'50"
 POINT SCALE FACTOR: 0.99999305
 COMBINED SCALE FACTOR: 0.99993500

STATISTICAL SUMMARY (FROM OPUS-S)
 REPORTED AS PEAK TO PEAK
 (95% CONFIDENCE LEVEL)
 LAT: 0.04'
 LONG: 0.02'
 ELL. HGT.: 0.03'



CONTROL POINT DETAILS AND COORDINATE VALUES

FILE NAME: 114-72.Control.dgn

Corporate Offices: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 3990 FAIRMEN INDUSTRIAL DR SE, SUITE 200 SALEM, OREGON 97302-1166, 503-589-4100
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 5000 MEADOWS ROAD, SUITE 420 LAKE OSWEGO, OREGON 97035, 503-620-6103
 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

OREGON
 JULY 12, 2005
 LOGAN MILES
 65452

RENEWAL: DEC. 31, 2016
 Signed: 4/5/16

JACKSON COUNTY

MAP OF SURVEY
 GEODETIC CONTROL NETWORK
 ROGUE VALLEY INTERNATIONAL-
 MEDFORD AIRPORT

JACKSON COUNTY
 10 SOUTH OAKDALE, RM 318A
 MEDFORD, OREGON 97501

APRIL 5, 2016
 NO SCALE
 SHEET 3 OF 4

DESIGNED: L. MILES
 DRAWN: L. MILES
 PROJ. NO. 0114-0072
 CHK'D: A. SILBERNAGEL

SW 1/4 SEC 18 T37S R1W WM (1083802)
 NE 1/4 SEC 18 T37S R1W WM (1083804)
 NW 1/4 SEC 18 T37S R1W WM (1083805)
 SW 1/4 SEC 6 T37S R1W WM (1083806)
 SW 1/E SEC 6 T37S R1W WM (1083807)
 NE 1/4 SEC 1 T37S R2W WM (1083814)
 NW 1/4 SEC 17 T37S R1W WM (1083815)

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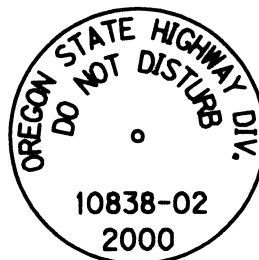
SECONDARY NETWORK POINTS (NETWORK)

1083802 - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 16727 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°21'05.59026"
 LONGITUDE: W122°52'09.96810"
 ELLIPSOID HIEGHT= 1240.47'
 NORTHING: 258668.12'
 EASTING: 4280845.20'
 ORTHOMETRIC ELEVATION= 1320.10' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1320.13' (NAVD88)
 GEOID SEPARATION: -79.63'
 CONVERGENCE ANGLE: -01°37'16"
 POINT SCALE FACTOR: 0.99999546
 COMBINED SCALE FACTOR: 0.99993628

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.01'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 01°
 SD. HGT.: 0.01'



1083804 - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 16727 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°21'27.34788"
 LONGITUDE: W122°51'53.77104"
 ELLIPSOID HIEGHT= 1256.55'
 NORTHING: 260835.43'
 EASTING: 428123.11'
 ORTHOMETRIC ELEVATION= 1336.21' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1336.16' (NAVD88)
 GEOID SEPARATION: -79.66'
 CONVERGENCE ANGLE: -01°37'05"
 POINT SCALE FACTOR: 0.99999398
 COMBINED SCALE FACTOR: 0.99993403

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.01'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 179°
 SD. HGT.: 0.01'

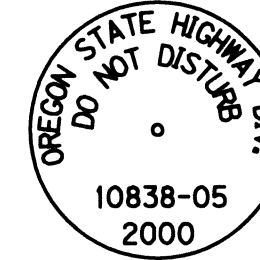


1083805 - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 16727 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°21'17.75244"
 LONGITUDE: W122°52'11.47262"
 ELLIPSOID HIEGHT= 1236.49'
 NORTHING: 259902.02'
 EASTING: 4280767.11'
 ORTHOMETRIC ELEVATION= 1316.14' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1316.14' (NAVD88)
 GEOID SEPARATION: -79.65'
 CONVERGENCE ANGLE: -01°37'17"
 POINT SCALE FACTOR: 0.99999463
 COMBINED SCALE FACTOR: 0.99993564

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.01'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 174°
 SD. HGT.: 0.01'

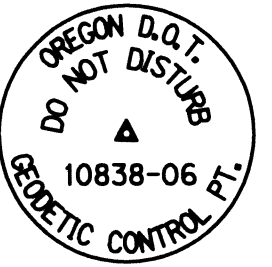


1083806 - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 18688 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°22'36.15893"
 LONGITUDE: W122°51'56.01293"
 ELLIPSOID HIEGHT= 1236.40'
 NORTHING: 267803.26'
 EASTING: 4282151.59'
 ORTHOMETRIC ELEVATION= 1316.13' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1316.02' (NAVD88)
 GEOID SEPARATION: -79.73'
 CONVERGENCE ANGLE: -01°37'06"
 POINT SCALE FACTOR: 0.99998936
 COMBINED SCALE FACTOR: 0.99993037

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.01'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 180°
 SD. HGT.: 0.01'



1083807 - FOUND 3" BRASS DISK IN CONCRETE
 PER SURVEY NUMBER 18688 & 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°22'36.55997"
 LONGITUDE: W122°51'22.34793"
 ELLIPSOID HIEGHT= 1259.41'
 NORTHING: 267772.62'
 EASTING: 4284678.55'
 ORTHOMETRIC ELEVATION= 1339.12' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1339.03' (NAVD88)
 GEOID SEPARATION: -79.71'
 CONVERGENCE ANGLE: -01°36'43"
 POINT SCALE FACTOR: 0.99998933
 COMBINED SCALE FACTOR: 0.99992924

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.02'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 4°
 SD. HGT.: 0.02'

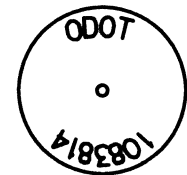


1083814 - FOUND 1" COPPER PLUG IN CONCRETE CURB
 PER SURVEY NUMBER 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°23'21.34393"
 LONGITUDE: W122°52'43.90921"
 ELLIPSOID HIEGHT= 1210.44'
 NORTHING: 272447.38'
 EASTING: 4278687.95'
 ORTHOMETRIC ELEVATION= 1290.22' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1290.08' (NAVD88)
 GEOID SEPARATION: -79.78'
 CONVERGENCE ANGLE: -01°37'39"
 POINT SCALE FACTOR: 0.99998639
 COMBINED SCALE FACTOR: 0.99992863

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.02'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 176°
 SD. HGT.: 0.02'

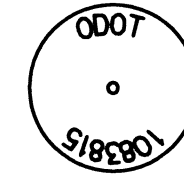


1083815 - FOUND 1" COPPER PLUG IN CONCRETE CURB
 PER SURVEY NUMBER 19957

THE MONUMENT WAS FOUND IN GOOD CONDITION. THE GRAPHICAL SKETCH AND TO REACH THE MARK INFORMATION CONTAINED ON SURVEY NUMBER 19957 IS SUFFICIENT TO LOCATE THIS MONUMENT.

OREGON STATE PLANE - SOUTH ZONE
 NAD 83(2011) EPOCH 2010.00:
 LATITUDE: N42°21'36.31845"
 LONGITUDE: W122°51'09.03935"
 ELLIPSOID HIEGHT= 1280.32'
 NORTHING: 261648.60'
 EASTING: 4285505.78'
 ORTHOMETRIC ELEVATION= 1359.96' (NAVD88_GEOID12B)
 LEVELED ELEVATION PER SURVEY NUMBER 19957: 1359.98' (NAVD88)
 GEOID SEPARATION: -79.64'
 CONVERGENCE ANGLE: -01°36'34"
 POINT SCALE FACTOR: 0.99999337
 COMBINED SCALE FACTOR: 0.99993228

STATISTICAL SUMMARY
 ERROR ELLIPSE
 SEMIMAJOR: 0.01'
 SEMIMINOR: 0.01'
 ORIENTATION (AZIMUTH): 8°
 SD. HGT.: 0.02'



REGISTERED PROFESSIONAL LAND SURVEYOR

 OREGON
 JULY 12, 2005
 LOGAN MILES
 65452
 RENEWAL: DEC. 31, 2016
 Signed: 4/5/16

FILE NAME: 114-72_Control.dgn

OBEC CONSULTING ENGINEERS
 Corporate Offices: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 3980 FAIRVIEW INDUSTRIAL DR SE, SUITE 200 SALEM, OREGON 97302-1166, 503-589-4100
 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590
 5000 MEADOWS ROAD, SUITE 420 LAKE OSWEGO, OREGON 97035, 503-620-6103
 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391
 www.obec.com

CONTROL POINT DETAILS AND COORDINATE VALUES

JACKSON COUNTY
 MAP OF SURVEY
 GEODETIC CONTROL NETWORK
 ROGUE VALLEY INTERNATIONAL-
 MEDFORD AIRPORT

JACKSON COUNTY
 10 SOUTH OAKDALE, RM 318A
 MEDFORD, OREGON 97501

APRIL 5, 2016
 NO SCALE
 SHEET 4 OF 4

DESIGNED: L. MILES
 DRAWN: L. MILES
 PROJ. NO. 0114-0072
 CHK'D: A. SILBERNAGEL