

SHEET INDEX

- VICINITY MAP, LEGAL DESCRIPTION, CONTROL TABLE & FOUND MONUMENT TABLE
- NARRATIVE & REFERENCES
- SURVEY SHEET
- DETAILS

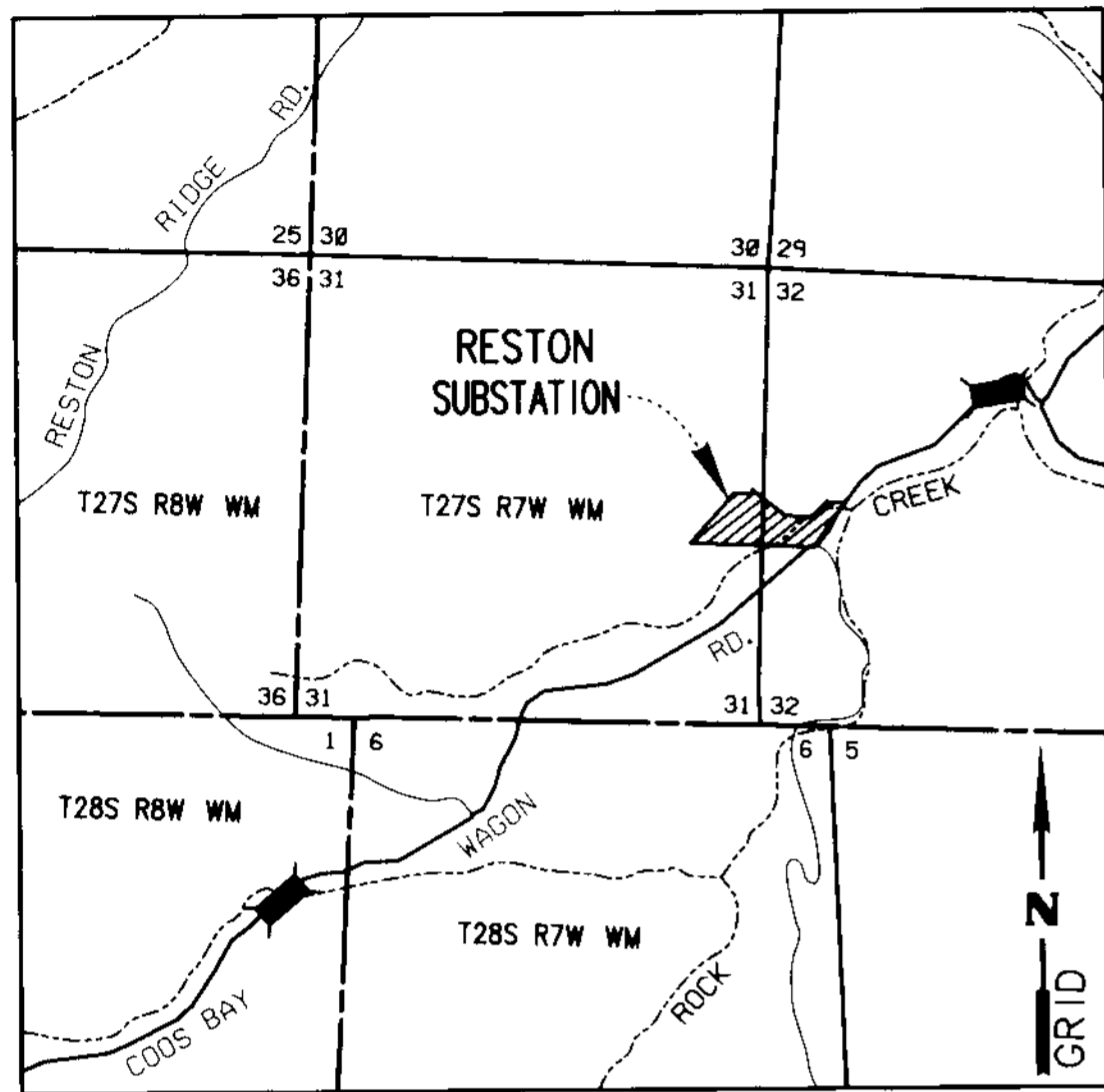
RECORD OF SURVEY

RESTON SUBSTATION

LYING WITHIN

THE NE1/4 & SE1/4 SECTION 31, T27S., R.7W., W.M.  
THE NW1/4 & SW1/4 SECTION 32, T27S., R.7W., W.M.  
DOUGLAS COUNTY, OREGON

FILED  
Date: 5/15/2018 By: JC  
This survey consists of:  
Map: M174-28 A-D  
Narrative: \_\_\_\_\_  
Corner Rpt: \_\_\_\_\_  
DOUGLAS COUNTY  
SURVEYOR



VICINITY MAP  
NOT TO SCALE

RESTON SUBSTATION LEGAL DESCRIPTION PER REFERENCE D-1

A TRACT OF LAND IN THE ROWLAND FLOURNOY DONATION LAND CLAIM NO. 54 IN SECTIONS 31 AND 32, TOWNSHIP 27 SOUTH, RANGE 7 WEST OF THE WILLAMETTE MERIDIAN, DOUGLAS COUNTY, OREGON, DESCRIBED AS:

BEGINNING AT A POINT ON THE SOUTH LINE OF SAID D.L.C., SAID POINT BEING S. 87°35'10" E. A DISTANCE OF 110.0 FEET FROM THE SOUTHWEST CORNER OF SAID D.L.C.; THENCE, ALONG SAID SOUTH LINE, S. 87°35'10" E. A DISTANCE OF 1352.5 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF THE COUNTY ROAD; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE N. 46°13'50" E. A DISTANCE OF 66.9 FEET; THENCE N. 37°41'20" E. A DISTANCE OF 179.7 FEET; THENCE N. 29°08'10" E. A DISTANCE OF 340.4 FEET; THENCE LEAVING SAID SOUTHERLY RIGHT OF WAY LINE N. 87°35'10" W. A DISTANCE OF 186.9 FEET; THENCE S. 44°17'20" W. A DISTANCE OF 229.4 FEET; THENCE S. 88°26'40" W. A DISTANCE OF 112.3 FEET; THENCE N. 82°43'10" W. A DISTANCE OF 193.2 FEET; THENCE N. 51°22'50" W. A DISTANCE OF 442.3 FEET; THENCE S. 28°25'40" W. A DISTANCE OF 50.0 FEET; THENCE N. 85°14'00" W. A DISTANCE OF 169.3 FEET; THENCE S. 41°59'10" W. A DISTANCE OF 726.6 FEET; TO THE POINT OF BEGINNING, CONTAINING 13.60 ACRES, MORE OR LESS.

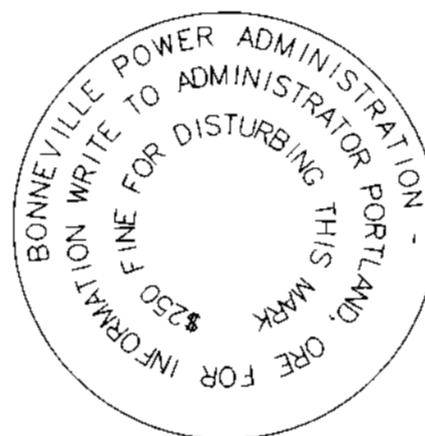
NOTES:

- WESTERN TITLE & ESCROW COMPANY, ORDER NO. WT0152807, DATED FEBRUARY 07, 2018 WAS USED IN PREPARING THIS SURVEY.
- SITE STREET ADDRESS: 4601 COOS BAY WAGON ROAD ROSEBURG, OREGON 97471
- THIS SURVEY DEPICTS FEE (BPA) OWNED PROPERTY ONLY. BPA MAY HAVE ADDITIONAL RIGHTS THAT ARE NOT SHOWN.

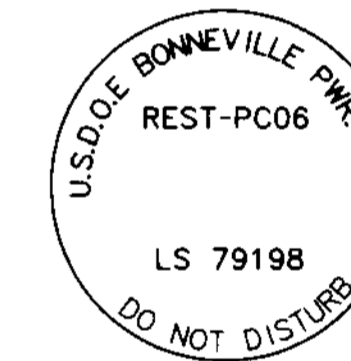
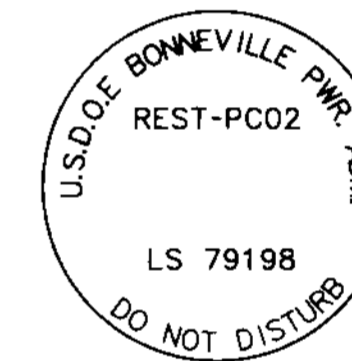
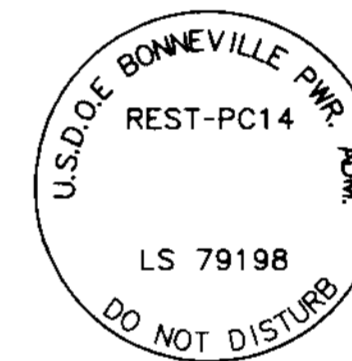
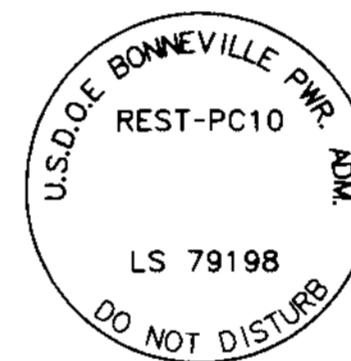
BASIS OF BEARING AND HORIZONTAL DATUM

BEARINGS AND COORDINATES SHOWN ARE BASED ON OREGON STATE PLANE COORDINATE SYSTEM - SOUTH ZONE (3602) NAD 83(2011) EPOCH 2010.0000 (APPLIED TO THE LINE BETWEEN SET MONUMENTS NUMBERED REST-G01 AND REST-G02) ESTABLISHED IN THIS SURVEY USING THE NATIONAL GEODETIC SURVEY'S (NGS) ONLINE POSITIONING USER SERVICE - OPUS. RESULTING IN A BEARING OF SOUTH 52°25'09" WEST, 630.54 FEET (GRID). THIS SURVEY USES INTERNATIONAL FEET UNITS.

DISTANCES SHOWN ARE GROUND DISTANCES. THE COMBINED GROUND TO GRID SCALE FACTOR IS 0.99986507. COORDINATES SHOWN ARE GRID. THE CONVERGENCE ANGLE AT POINT REST-G01 IS -2°05'49".



3" BPA BRASS CAP WITH STANDARD MARKINGS



SET MONUMENT MARKINGS

CONTROL MONUMENT TABLE

PT ID	GRID NORTHING	GRID EASTING	DESCRIPTION
REST-G01	565832.77	4103918.40	SET 5/8" X 30" REBAR WITH 3-1/4" BPA ALUMINUM CAP "REST-G01"
REST-G02	565465.89	4103405.58	SET 5/8" X 30" REBAR WITH 3-1/4" BPA ALUMINUM CAP "REST-G02"

FOUND MONUMENT TABLE

ALL FOUND MONUMENTS IN GOOD CONDITION, UNLESS OTHERWISE NOTED

PT ID	GRID NORTHING	GRID EASTING	BASELINE STATION	OFFSET	DESCRIPTION & REFERENCE
112	565372.62	4104517.69	528-87.58	34.98' LT	5/8" IRON ROD PER R6
116	565793.11	4104814.97	523-84.49	35.08' LT	5/8" IRON ROD PER R6
117	565425.50	4104471.89	528-87.55	34.98' RT	5/8" IRON ROD PER R6
118	565805.78	4104825.23	523-68.94	40.01' RT	5/8" IRON ROD PER R6
119	565838.42	4104741.35	523-69.20	50.00' RT	5/8" IRON ROD (BENT - TIED SPIN POINT) PER R6
120	566192.02	4105125.28	518-69.75	40.23' RT	5/8" IRON ROD PER R6
121	566120.97	4105149.23	518-69.77	34.75' LT	5/8" IRON ROD PER R6
123	565822.17	4104740.35	523-84.70	45.00' RT	5/8" IRON ROD PER R6
REST-PC01	565437.58	4103194.46	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC03	565427.23	4104593.52	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC04	565569.35	4104703.89	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC05	565866.66	4104869.14	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC08	565874.31	4104682.50	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC09	565710.18	4104522.35	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC11	565731.81	4104218.77	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC12	566007.70	4103873.03	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PC13	565963.76	4103849.22	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PRO1	565381.36	4104545.89	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PRO2	565750.37	4104561.67	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-PRO3	565999.09	4103868.32	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
REST-S194	565406.64	4103941.90	-	-	3-1/2" BPA BRASS CAP ON 1-1/2" IRON PIPE, WITH STANDARD MARKINGS PER B2
WM27S07W200142	565909.50	4103972.24	-	-	2-3/8" COUNTY SURVEYOR'S OFFICE BRASS CAP ON 1" IRON PIPE "T27S R7W WIT COR 150' SOUTH TO 1/4 COR 1960' PER R2
WM27S07W200200	568414.81	4104065.56	-	-	2-1/2" BRASS CAP ON 1" IRON PIPE "T27S R7W S30, S29, S31, S32 1957 PER R7
WM27S07W854030	565442.08	4103084.73	-	-	2-3/8" COUNTY SURVEYOR'S OFFICE BRASS CAP ON 1" IRON PIPE "T27S DLC 54 SW COR R7W 1958" PER R8

REGISTERED PROFESSIONAL LAND SURVEYOR

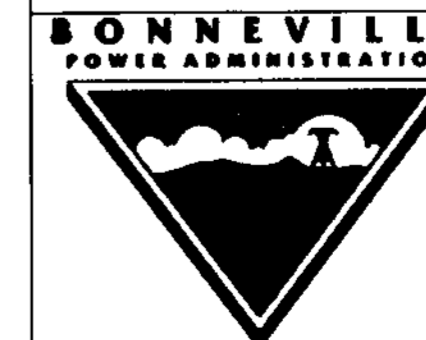
*Andrew Joseph Silbernagel*

OREGON  
MAY 12, 2011  
ANDREW JOSEPH SILBERNAGEL  
#79198

RENEWS: JUNE 30, 2018  
SIGNED: 05/11/2018

FILE NAME: WO\_356103-50\_R0S.dgn

Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090  
4275 COMMERCIAL STREET SE, SUITE 100 SALEM, OREGON 97302, 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  
www.obec.com 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391



RESTON SUBSTATION  
RECORD OF SURVEY  
DOUGLAS COUNTY, OREGON

MAY 11, 2018  
NO SCALE  
SHEET 1 OF 4

DESIGNED: A. SILBERNAGEL PROJ. NO. 684-004.42  
DRAWN: Y. GARZENELLI CHK'D: A. PLETT SER. NO. 335842-C

MAP FILE M174-28A

MAP FILE M174-28A

RECORD OF SURVEY

RESTON SUBSTATION

LYING WITHIN

THE NE1/4 & SE1/4 SECTION 31, T27S., R.7W., W.M.
THE NW1/4 & SW1/4 SECTION 32, T27S., R.7W., W.M.
DOUGLAS COUNTY, OREGON

FILED

Date: 5/15/2018 By: [Signature]
This survey consists of:
Map: M174-28 A-D
Narrative:
Corner Rpt:

DOUGLAS COUNTY SURVEYOR

MAP FILE M174-28B

SURVEY NARRATIVE

THIS SURVEY WAS PERFORMED IN FEBRUARY AND MARCH OF 2018 AT THE REQUEST OF THE BONNEVILLE POWER ADMINISTRATION (BPA). THE PURPOSE OF THIS SURVEY IS TO RETRACE AND MONUMENT THE BOUNDARIES OF THE RESTON SUBSTATION PROPERTY LOCATED IN THE ROWLAND FLOURNOY DONATION LAND CLAIM NUMBER 54, TOWNSHIP 27 SOUTH, RANGE 07 WEST OF THE WILLAMETTE MERIDIAN, DOUGLAS COUNTY, OREGON.

ALL PROPERTY CORNERS, WITH THE EXCEPTION OF TWO OF THE ORIGINAL PROPERTY CORNERS, PER SAID BPA SERIAL DRAWING NO. 86328A WERE RECOVERED AS PART OF THIS SURVEY. THE MONUMENTS THAT WERE RECOVERED WERE IN GOOD CONDITION AND THE DISTANCES BETWEEN THEM FIT WELL (FOUR DISTANCES BETWEEN MONUMENTS WERE BETWEEN 0.2 AND 0.4 FEET, THE REST WERE LESS THAN 0.1 FOOT) WITH THE RECORD AND WERE HELD AS TRUE CORNERS.

DOUGLAS COUNTY ROAD NO. 5, ROSEBURG-RESTON LOOP ROAD
DOUGLAS COUNTY ROAD NO. 5 IS ALSO REFERRED AS ROSEBURG-RESTON LOOP ROAD. IT WAS ORIGINALLY PART OF THE COOS BAY WAGON ROAD WHICH WAS CREATED ON MARCH 3, 1869 AS PART OF CHAPTER 150, SESSION 3 OF THE FORTIETH U.S. CONGRESS.

THE CURRENT LOCATION OF SAID COUNTY ROAD EASEMENT IS NOT IN THE SAME LOCATION AS THE 1958 LOCATION. ON MAY 9, 1973 IN VOLUME 43, PAGE 344 DOUGLAS COUNTY COMMISSIONERS ISSUED FINAL ORDER DOCKET NO. 1026, WHICH REALIGNED THE COUNTY ROAD EASEMENT TO ITS PRESENT LOCATION.

ANGLE POINT ON THE NORTHERLY LINE (REST-PC10)
THIS MONUMENT WAS NOT RECOVERED AS PART OF THIS SURVEY EFFORT. IT IS BELIEVED THAT IT IS DESTROYED AS THE COMPUTED POSITION FALLS ON THE SIDE SLOPE OF THE DITCH.

WESTERLY-NORTHWEST CORNER (REST-PC14)
THE MONUMENT FOR THIS CORNER WAS NOT RECOVERED DURING THIS SURVEY. IT IS BELIEVED THAT THE CORNER WAS DESTROYED WHEN A NATURAL GAS LINE WAS INSTALLED IN THE VICINITY.

ONE-QUARTER CORNER SECTION 31 AND 32
THE ONE-QUARTER CORNER COMMON TO SECTIONS 31 AND 32, TOWNSHIP 27 SOUTH, RANGE 7 WEST, WILLAMETTE MERIDIAN FELL INSIDE THE PROPOSED RESTON SWITCHING STATION YARD.

BASED ON THE MEASUREMENTS AND COMPUTATIONS PREFORMED DURING THIS SURVEY, MONUMENTS WERE SET ON MARCH 12, 2018, AS SHOWN HEREON.

PROCEDURAL AND EQUIPMENT NOTES:

THE FIELD SURVEY WAS PERFORMED USING ONE TRIMBLE R8-GNSS MODEL 2 GPS RECEIVER, ONE TRIMBLE R8-GNSS MODEL 3 RECEIVER, ONE TRIMBLE S8 ROBOTIC TOTAL STATION AND ONE TRIMBLE TSC3 CONTROLLER WITH TRIMBLE ACCESS SOFTWARE.

SURVEY/MAP REFERENCES

(DOUGLAS COUNTY SURVEY RECORDS)

- R1 - M1-73
R2 - M18-80
R3 - M21-10
R4 - M93-53A
R5 - M93-53B
R6 - "ROSEBURG-RESTON LOOP ROAD, MILE POINT 10.17 TO MILE POINT 15.01, 1973" PLAN SET
R7 - CORNER NOTES CS 49/50, 1957
R8 - CORNER NOTES CS 49/79, 1958

DEED REFERENCES:

(DOUGLAS COUNTY RECORDS)

- D1 - VOL.275, PAGE 208 (3/18/1958) (BPA)
D2 - INSTRUMENT NUMBER 89-00307 (01/06/1989)
D3 - INSTRUMENT NUMBER 95-20441 (10/31/1995)
D4 - INSTRUMENT NUMBER 97-13558 (07/01/1997)
D5 - INSTRUMENT NUMBER 98-27431 (12/03/1998)
D6 - INSTRUMENT NUMBER 2017-014938 (09/13/2017)
D7 - U.S. 40TH CONGRESS CHAPTER 150, SESSION 3 (3/3/1869)
D8 - DOUGLAS COUNTY COMMISSIONER'S DOCKET 1026 (5/9/1973)

BPA REFERENCES:

(BONNEVILLE POWER ADMIN. RECORDS)

- B1 - BPA SERIAL NO. 86869A
B2 - BPA SERIAL NO. 86328A
B3 - BPA SERIAL NO. 86868
B4 - DWG: 124501 DTM-D

ABBREVIATIONS -

- VOL. - VOLUME
NO. - NUMBER

REGISTERED PROFESSIONAL LAND SURVEYOR

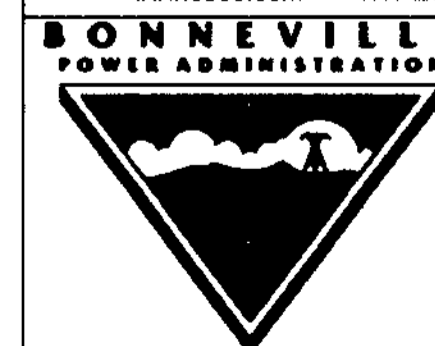
[Signature]

OREGON
MAY 12, 2011
ANDREW JOSEPH SILBERNAGEL
#79198

RENEWS: JUNE 30, 2018
SIGNED: 05/11/2018

FILE NAME: WO\_356103-50\_ROS.dgn

Corporate Office: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
OBEC CONSULTING ENGINEERS
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RESTON SUBSTATION
RECORD OF SURVEY
DOUGLAS COUNTY, OREGON

MAY 11, 2018
NO SCALE
SHEET 2 OF 4

DESIGNED: A. SILBERNAGEL PROJ. NO. 684-004.42
DRAWN: Y. GARZENELLI CHK'D: A. PLETT SER. NO. 335842-C

MAP FILE M174-28B



RECORD OF SURVEY  
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 THE NW1/4 & SW1/4 SECTION 32, T27S., R.7W., W.M.  
 DOUGLAS COUNTY, OREGON

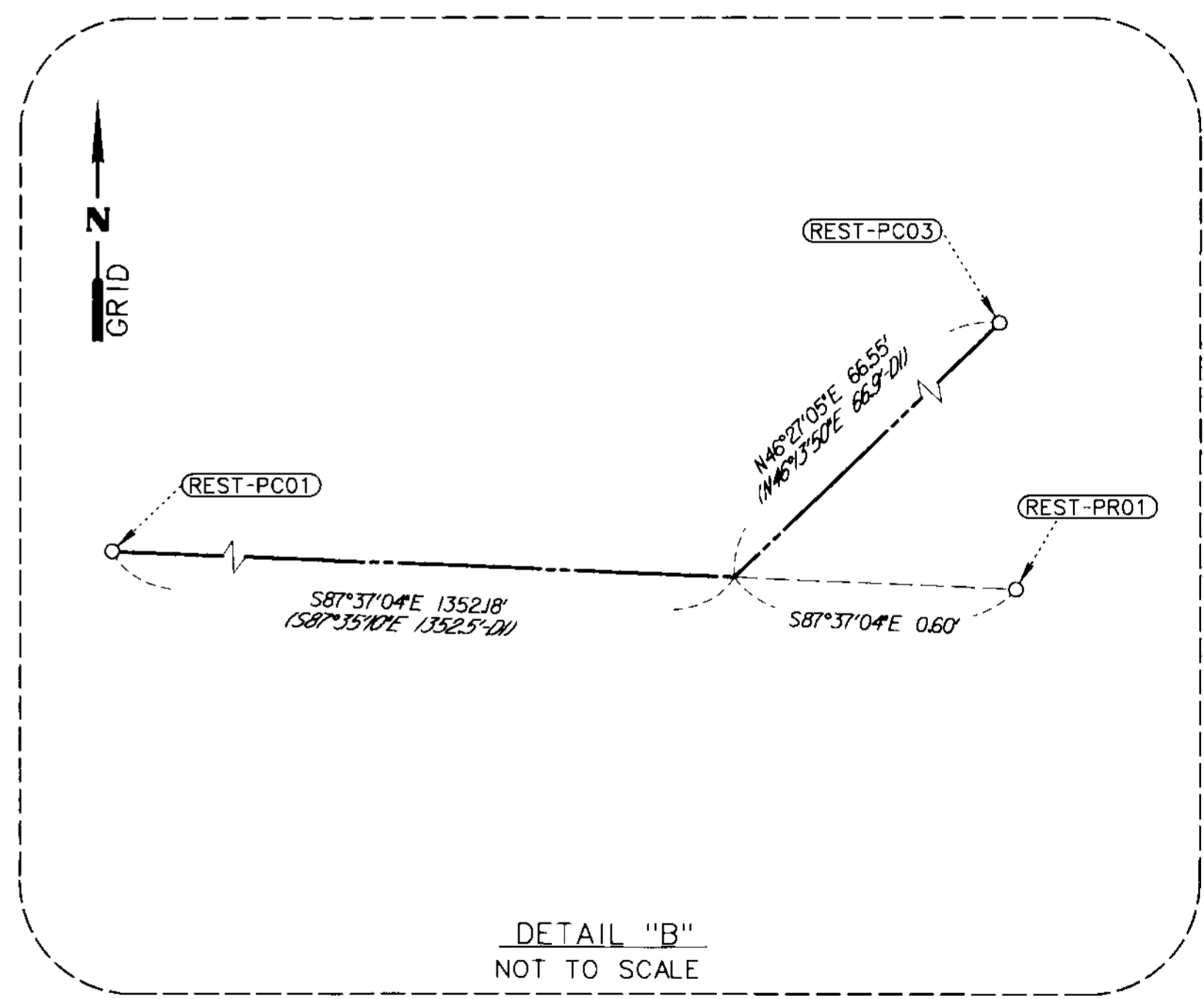
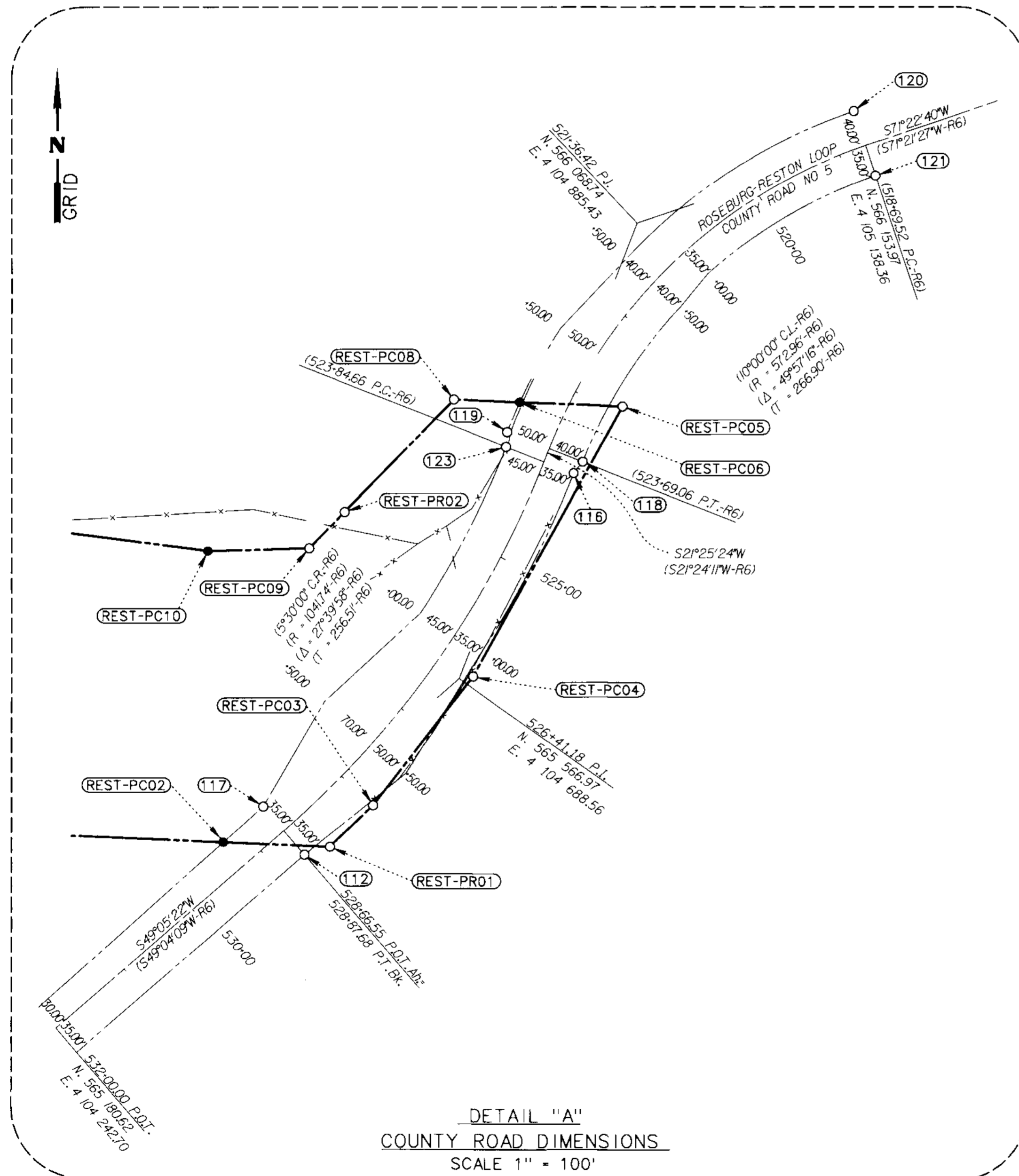
FILED  
 Date: 5/15/2018 By: X  
 This survey consists of:  
 Map: H174-2B A+D  
 Narrative: \_\_\_\_\_  
 Corner Rpt: \_\_\_\_\_

DOUGLAS COUNTY  
 SURVEYOR

LEGEND

- FOUND MONUMENT NOTED IN TABLE (SHEET 1)
- △ CONTROL MONUMENT NOTED IN TABLE (SHEET 1)
- SET MONUMENT AS NOTED IN TABLE (SHEET 3)
- ( ) RECORD DATA PER REFERENCE LIST (SHEET 2)
- (XXX) MONUMENT NUMBER
- BPA PROPERTY LINE
- - - RIGHT-OF-WAY LINE
- - - CENTERLINE
- x-x- BPA FENCE LINE
- x-x- FENCE LINE
- - - EDGE OF GRAVEL

MAP FILE H174-2B



FILE NAME: WO\_356103-50\_ROS.dgn

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

*Andrew J. Silbernagel*

OREGON  
 MAY 12, 2011  
 ANDREW JOSEPH SILBERNAGEL  
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RESTON SUBSTATION  
 RECORD OF SURVEY  
 DOUGLAS COUNTY, OREGON

MAY 11, 2018  
 NO SCALE  
 SHEET 4 OF 4

DESIGNED: A. SILBERNAGEL	PROJ. NO. 684-004.42
DRAWN: Y. GARZENELLI	SER. NO. 335842-C

MAP FILE H174-2B