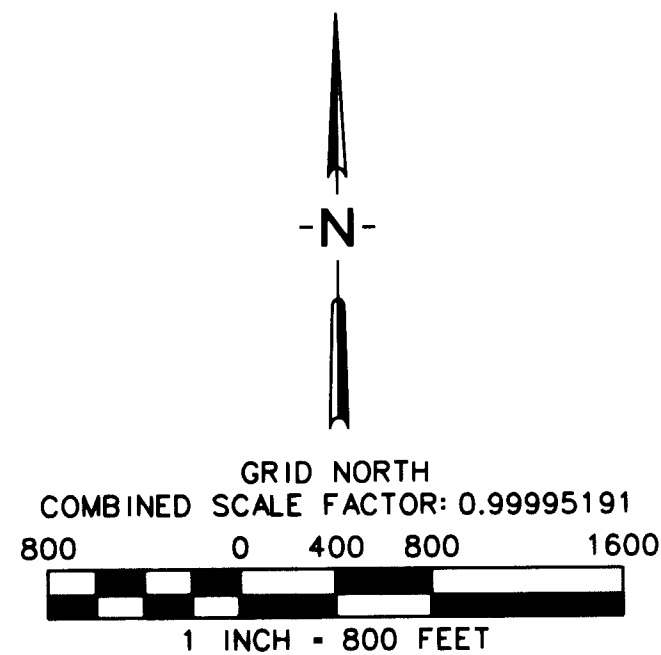


# BOARDMAN SUBSTATION RECORD OF SURVEY FOR BONNEVILLE POWER ADMINISTRATION

IN THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF  
SECTION 11, T4N, R25E, W.M.; MORROW COUNTY, OREGON.  
NOVEMBER, 2020



## BASIS OF BEARINGS

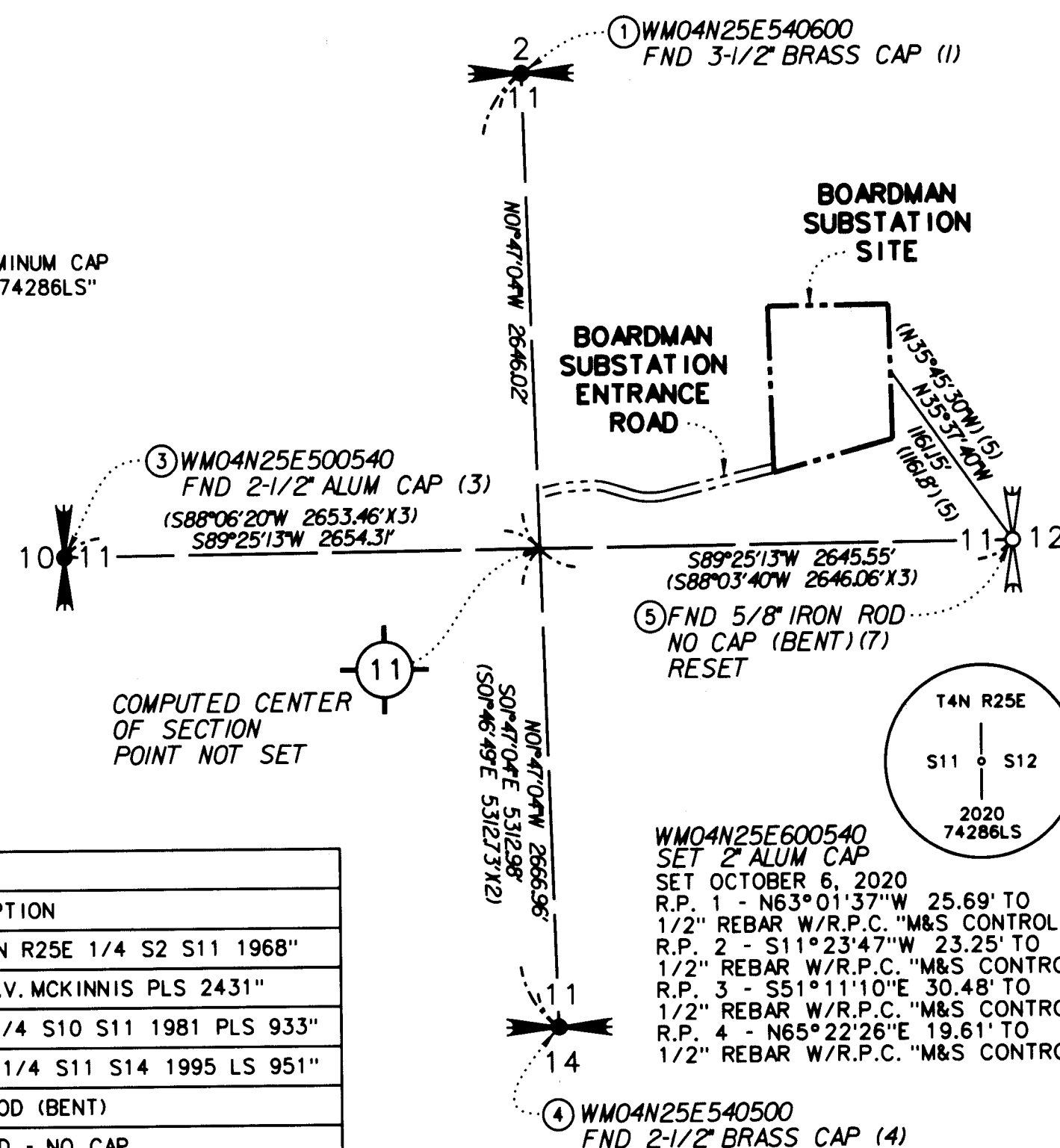
BEARINGS AND COORDINATES SHOWN ARE GRID, BASED ON THE OREGON STATE PLANE COORDINATE SYSTEM, NORTH ZONE (3601), NAD83(2011)(EPOCH:2010.0000), INTERNATIONAL FOOT. DISTANCES SHOWN HEREON ARE GROUND DISTANCES, TO CONVERT DISTANCES SHOWN TO GRID, MULTIPLY BY 0.99995191.

## LEGEND

- B.P.A. SUBSTATION BOUNDARY
- - - PLSS QUARTER SECTION LINE
- B.P.A. BONNEVILLE POWER ADMINISTRATION
- B.L.M. BUREAU OF LAND MANAGEMENT
- SET 5/8" x 30" IRON ROD WITH 3-1/4" ALUMINUM CAP INSCRIBED "U.S.D.O.E. BONNEVILLE PWR. ADM. 74286LS" OCTOBER 6, 2020
- FOUND MONUMENT AS DESCRIBED VISITED AUGUST, 2020
- ( ) INDICATES RECORD INFORMATION
- ✕ FOUND PLSS CORNER MONUMENT VISITED AUGUST, 2020
- ✕ SET PLSS CORNER MONUMENT OCTOBER 6, 2020

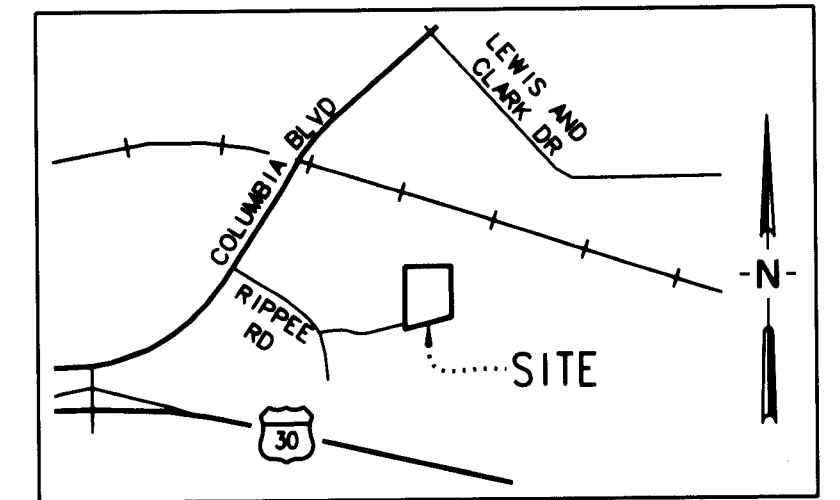
RECEIVED BY  
Morrow County Surveyor  
Date: 3-9-2021  
Rec'd By: MPK  
No.: 2021-1918C  
Folder No.: 1918

FOUND MONUMENT TABLE			
POINT	GRID NORTH	GRID EAST	DESCRIPTION
①	797082.46	8417542.82	3-1/2" B.L.M. BRASS CAP "T4N R25E 1/4 S2 S11 1968"
②	795774.28	8418911.36	5/8" IRON ROD W/YPC "R.V. MCKINNIS PLS 2431"
③	794411.00	8414971.16	2-1/2" ALUM. CAP "T4N R25E 1/4 S10 S11 1981 PLS 933"
④	791772.30	8417708.26	2-1/2" BRASS CAP "T4N R25E 1/4 S11 S14 1995 LS 951"
⑤	794464.61	8420270.51	5/8" IRON ROD (BENT)
⑥	794821.47	8417622.05	3/4" IRON ROD - NO CAP
⑦	794776.80	8417644.50	3/4" IRON ROD - NO CAP
⑧	794788.47	8417690.36	3/4" IRON ROD - NO CAP
⑨	794806.37	8417802.68	3/4" IRON ROD - NO CAP
⑩	794812.52	8417901.59	3/4" IRON ROD - NO CAP
⑪	794799.79	8418011.05	3/4" IRON ROD - NO CAP
⑫	794756.42	8418155.46	3/4" IRON ROD - NO CAP
⑬	794745.29	8418235.91	3/4" IRON ROD - NO CAP
⑭	794746.00	8418267.36	3/4" IRON ROD - NO CAP
⑮	794753.13	8418323.51	3/4" IRON ROD - NO CAP
⑯	794900.53	8418936.96	5/8" IRON ROD - NO CAP
⑰	795780.36	8419584.63	3/4" IRON ROD - NO CAP
⑱	795078.85	8419264.78	3-1/4" ALUM CAP "LIDARBOA OBE10"



## REFERENCES

- ( ) (1) B.L.M. DEPENDENT RESURVEY DATED APRIL 3, 1968
- ( ) (2) PARTITION PLAT 2014-03
- ( ) (3) C-432-K
- ( ) (4) C-1065-E
- ( ) (5) CORRECTION TO DEEDS RECORDED SEPTEMBER 3, 2014 2014-34747
- ( ) (6) C-210-K
- ( ) (7) C-110-K
- ( ) (8) B.P.A. DRAWING SERIAL NO. 136249B



VICINITY MAP - NOT TO SCALE  
MORROW COUNTY, OREGON

## PROCEDURES

THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE METHODS USING A 3 SECOND TRIMBLE S6 ROBOTIC TOTAL STATION TOGETHER WITH TRIMBLE R10 DUAL FREQUENCY RECEIVERS. AN INDEPENDENT OPUS STATIC PRIMARY CONTROL POINT WAS ESTABLISHED TO CONTROL THIS SURVEY. SECONDARY CONTROL WAS ESTABLISHED USING RTK GPS METHODS. SURVEY DATA WAS ADJUSTED TO MEET THE CHI-SQUARE TEST AT A 95% CONFIDENCE INTERVAL AND ALL ADJUSTMENTS WERE PERFORMED WITH TRIMBLE BUSINESS CENTER LEAST SQUARES ADJUSTMENT PROGRAM. THE COMBINED SCALE FACTOR OF 0.99995191 FROM NGS OPUS SOLUTION REPORT WAS UTILIZED FOR THIS PROJECT.

## SURVEYOR'S NARRATIVE


THE PURPOSE OF THIS SURVEY IS TO MONUMENT THE BONNEVILLE POWER ADMINISTRATION'S (B.P.A.) BOARDMAN SUBSTATION PARCEL BOAD-SS, DESCRIBED IN WARRANTY DEED RECORDED JANUARY 18, 1973 AS DOCUMENT NO. 5350, AND CORRECTION TO DEEDS RECORDED SEPTEMBER 3, 2014 AS DOCUMENT NO. 2014-34747, MORROW COUNTY RECORDS.

THE PARCEL IS DESCRIBED AS COMMENCING AT A BPA MONUMENT (P.O.B.) AT THE INTERSECTION OF THE EAST-WEST BASE LINE AND THE EAST LINE OF THE BOARDMAN SUBSTATION PARCEL, WHICH IS NORTH 35°45'30" WEST 1161.8 FEET FROM THE EAST QUARTER CORNER OF SECTION 11. A 3-1/2" BRASS CAP WAS FOUND (BENT NORTH AND TIED AT THE CENTER OF ROTATION) AND ACCEPTED AS MARKING THE POINT OF BEGINNING ON THE EAST-WEST CONSTRUCTION BASELINE. AT THE EAST 1/4 OF SECTION 11, A 5/8" IRON ROD WAS FOUND AND ACCEPTED AS THE EAST QUARTER CORNER OF SECTION 11 AS SHOWN IN CS C-110-K. THE MONUMENT WAS BENT AND TIED AT THE CENTER OF ROTATION APPROXIMATELY 1.5' BELOW THE SURFACE. THE POSITION OF THIS IRON ROD DID NOT AGREE WELL WITH THE POSITION OF THE EAST QUARTER CORNER SHOWN ON VARIOUS OTHER SURVEYS WITHIN THE SECTION. ALSO, THIS FOUND MONUMENT WAS NOT MENTIONED AS FOUND OR FOUND AND REJECTED IN ANY OF THE MORE RECENT SURVEYS. THE DISTANCE FROM THE BENT IRON ROD TO THE ESTABLISHED POINT OF BEGINNING LOCATION FITS WELL WITH THE RECORD (0.65').

IN 1974 A SURVEY WAS CONDUCTED (BY DONALD STAEBLER) FOR THE CITY OF BOARDMAN (CS C-210-K), IN WHICH MONUMENTS WERE SET AT THE NORTHEAST AND NORTHWEST CORNERS OF THE BOARDMAN SUBSTATION PARCEL AND ALONG THE NORTH LINE OF THE BOARDMAN SUBSTATION ENTRANCE ROAD. THESE MONUMENTS WERE USED TO CONTROL THE LOCATION OF THE NORTH AND WEST LINES OF THE BOARDMAN SUBSTATION PARCEL DURING THE 2014 PARTITION PLAT (PP 2014-03) FOR THE PORT OF MORROW AND THE CITY OF BOARDMAN. A 5/8" REBAR WITH PLASTIC CAP MARKED "PLS 2431" (P.P. 2014-03) WAS FOUND AT THE NORTHWEST CORNER OF THE BOARDMAN SUBSTATION PARCEL AND A 3/4" REBAR IN CONCRETE (CS C-210-K) WAS FOUND AT THE NORTHEAST CORNER OF SAID SUBSTATION PARCEL; BOTH WERE HELD, ESTABLISHING THE NORTH LINE OF PARCEL. THE EAST LINE OF THE SUBJECT PARCEL WAS ESTABLISHED BY HOLDING THE 3/4" IRON ROD AT THE NORTHEAST CORNER AND THE 3-1/2" BRASS CAP ESTABLISHED AS THE POB. THE LINE WAS PROJECTED SOUTH RECORD DISTANCE TO ESTABLISH THE SOUTHEAST CORNER OF THE PARCEL. A 5/8" REBAR WAS FOUND AT THE INTERSECTION OF THE WEST LINE OF THE BOARDMAN SUBSTATION PARCEL AND THE NORTH LINE OF THE ACCESS ROAD. THIS MONUMENT WAS HELD ALONG WITH THE 5/8" REBAR AT THE NORTHWEST CORNER (P.P. 2014-03) AND PROJECTED SOUTH THE RECORD DISTANCE TO ESTABLISH THE SOUTHWEST CORNER. THE DISTANCE BETWEEN THE CALCULATED POSITIONS OF THE SOUTHWEST AND SOUTHWEST CORNERS WAS 690.24' VERSUS THE RECORD DISTANCE 690.7'.

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*Carla Jo Merritt*  
OREGON  
JULY 13, 2004  
CARLA JO MERRITT  
74286LS

RENEW: DEC. 31, 2022  
2/28/21

SECTION 11, TOWNSHIP 4 NORTH, RANGE 25 EAST, W.M.			
<b>MacKay</b>  <b>Sposito</b>		1325 SE TECH CENTER DRIVE, SUITE 140 VANCOUVER, WA 98683	
ENERGY PUBLIC WORKS LAND DEVELOPMENT		VANCOUVER: (360) 695-3411 PORTLAND: (503) 289-6726 FAX (360) 695-0833	
www.mackaysposito.com			
CALC BY: <u>AJS</u>		CHECKED BY: <u>AJS</u>	DRAWN BY: <u>CWR</u>
JOB NO.: <u>17368</u>			
SER NO 340803-C		FILE: BOARDMAN SUBSTATION	
SHEET 1 OF 2			

