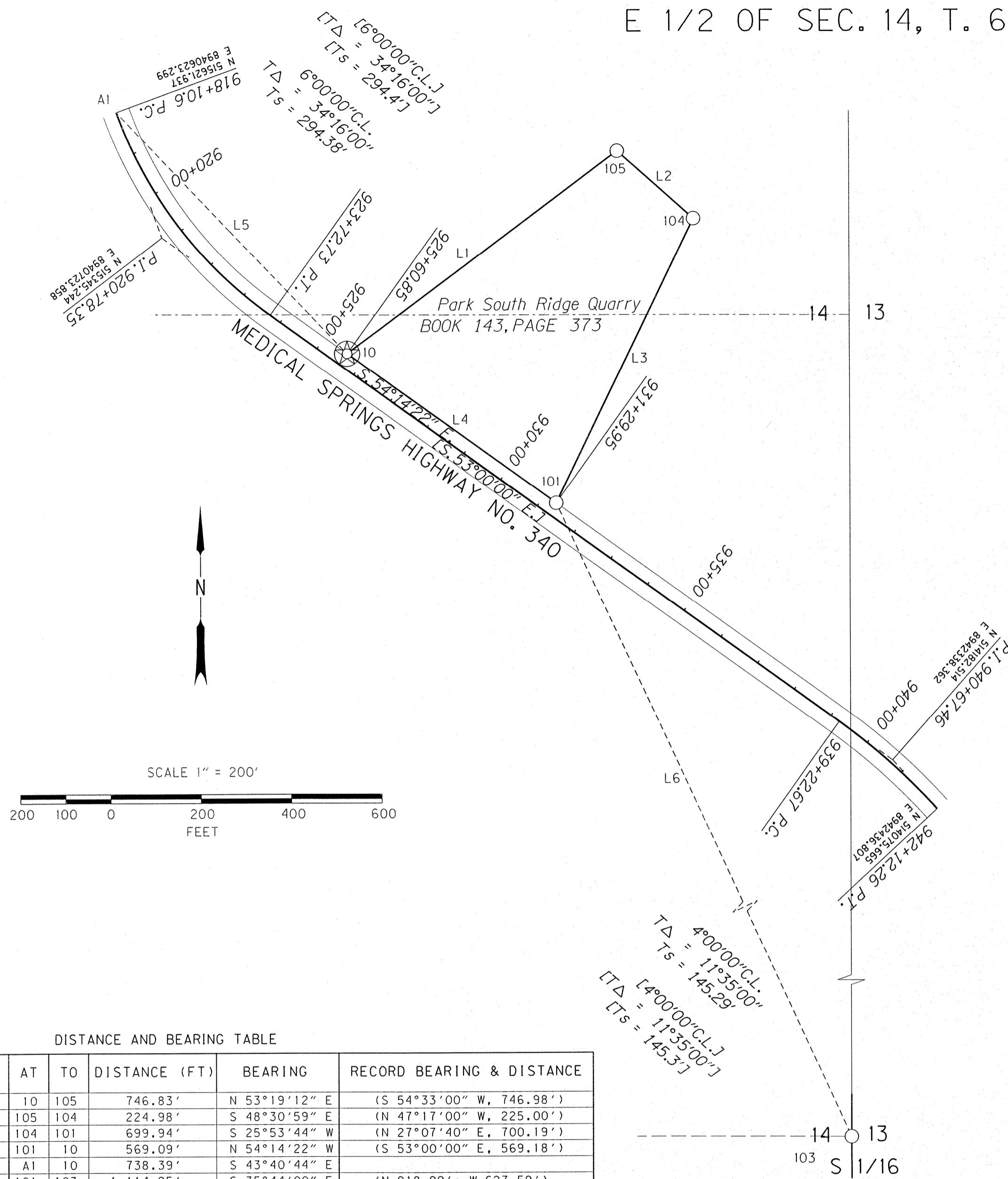


E 1/2 OF SEC. 14, T. 6 S., R. 41 E., W.M.



NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO MONUMENT THE PROPERTY BOUNDARY LINE OF THE PARK SOUTH RIDGE QUARRY ON THE MEDICAL SPRINGS HIGHWAY FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT). FOR THIS PURPOSE WE RECOVERED MONUMENTS AND RESOLVED RIGHT OF WAY (RW) FOR A PORTION OF THE MEDICAL SPRINGS HIGHWAY. THE MONUMENTS FOR THIS SURVEY WERE RECOVERED ON MARCH 26, 2013.

THE QUARRY BOUNDARY IS DESCRIBED BY ODOT DRAWING 1R-5-1337 AND BOOK 143, PAGE 373 UNION COUNTY DEEDS. MONUMENTS WERE FOUND AT ALL THE CORNERS OF THE QUARRY AS WELL AS A 2" DIA. IRON PIPE FOUND AT THE S1/16TH CORNER OF SECTIONS 14 AND 13. THE DISTANCES ALL MATCH CLOSELY WITH THOSE OF DRAWING 1R-5-1337 AND THEIR POSITION WAS ACCEPTED AS THE BEST EVIDENCE FOR THE PROPERTY BOUNDARY.

THE MEDICAL SPRINGS HIGHWAY RW CENTER LINE AND STATIONING WERE RE-ESTABLISHED FROM FOUND MONUMENTS AT INTERSECTION OF THE QUARRY BOUNDARY WITH THE SAID HIGHWAY. THESE MONUMENTS WERE USED IN CONJUNCTION WITH ODOT DRAWINGS 1R-5-1337 AND 5B-7-7.

THE BASIS OF BEARING WAS ESTABLISHED BY GPS USING AN OPUS SOLUTION AT POINT 10 WHICH IS A 3/4" IRON ROD LOCATED AT THE SOUTHWEST CORNER OF THE QUARRY. THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM OF NAD83(2011) (EPOCH 2010), NORTH ZONE, WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE TRUE GROUND DISTANCES. TO CONVERT THE LDP COORDINATES FOR THE CONTROL POINTS TO THE OREGON COORDINATE SYSTEM OF NAD83(2011) (EPOCH 2010), NORTH ZONE, MULTIPLY THE LDP COORDINATES BY 0.99972091.

REFERENCES

- BOOK 143, PAGE 373 UNION COUNTY DEED RECORDS
- OREGON DEPT. OF TRANSPORTATION RW FILE 30589
- OREGON DEPT. OF TRANSPORTATION RW FILE Q1704
- OREGON DEPT. OF TRANSPORTATION DRAWING 5B-7-7
- OREGON DEPT. OF TRANSPORTATION DRAWING 1R-5-1337

LEGEND

- ( ) RECORD DATA FROM ODOT DRG. 1R-5-1337 AND BOOK 143, PG373
- [ ] RECORD DATA USED PER ODOT DRG 5B-7-7
- ⊙ SET GPS OPUS POINT
- FOUND MONUMENT
- EXISTING RIGHT-OF-WAY
- QUARRY BOUNDARY
- SECTION LINE
- - - 1/4 SECTION LINE
- - - 1/16 SECTION LINE

**UNION COUNTY SURVEYOR**  
 Date Received 6/13/13  
 Date Filed 6/24/13  
 By [Signature]  
 File No. 025-2013

REGISTERED PROFESSIONAL LAND SURVEYOR  
 Robert E. Butler  
 OREGON  
 July 25, 1995  
 ROBERT ERICH BUTLER  
 2733  
 EXPIRES: 12/31/2013

DISTANCE AND BEARING TABLE

LINE NO.	AT	TO	DISTANCE (FT)	BEARING	RECORD BEARING & DISTANCE
L1	10	105	746.83'	N 53°19'12" E	(S 54°33'00" W, 746.98')
L2	105	104	224.98'	S 48°30'59" E	(N 47°17'00" W, 225.00')
L3	104	101	699.94'	S 25°53'44" W	(N 27°07'40" E, 700.19')
L4	101	10	569.09'	N 54°14'22" W	(S 53°00'00" E, 569.18')
L5	A1	10	738.39'	S 43°40'44" E	
L6	101	103	1,114.25'	S 35°44'00" E	(N 918.99'; W 627.59')

NETWORK SET AND RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION & ALIGNMENT	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
10	515,087.615	8,941,132.922	925+60.85 O.R. 203	30.00' Lt.	03/25/2013	FOUND 3/4" DIA. IRON ROD WITH 4"x4"x30" WOOD POST. (ODOT DRG. NO. 1R-5-1337)
101	514,755.037	8,941,594.723	931+29.94 O.R. 203	30.00' Lt.	03/25/2013	FOUND 3/4" DIA. IRON ROD WITH 4"x4"x30" WOOD POST. (ODOT DRG. NO. 1R-5-1337)
103	513,850.549	8,942,245.463	942+48.16 O.R. 203	293.26' Rt.	03/25/2013	FOUND 2" DIA. IRON PIPE SURROUNDED BY SMALL MOUND OF STONE, 4.0' FT. EAST OF FENCE CORNER. (ODOT DRG. NO. 1R-5-1337)
104	515,384.700	8,941,900.412	930+10.02 O.R. 203	719.60' Lt.	03/25/2013	FOUND 3/4" DIA. IRON ROD WITH 4"x4"x30" WOOD POST. (ODOT DRG. NO. 1R-5-1337)
105	515,533.730	8,941,731.867	927+86.16 O.R. 203	742.03' Lt.	03/25/2013	FOUND 3/4" DIA. IRON ROD WITH 4"x4"x30" WOOD POST. (ODOT DRG. NO. 1R-5-1337)

OREGON DEPARTMENT OF TRANSPORTATION

CONTROL, RECOVERY, & RETRACEMENT MAP



PARK SOUTH RIDGE QUARRY  
 MEDICAL SPRINGS HIGHWAY NO. 340  
 (OR 203) M.P. 18.05  
 UNION COUNTY

ODOT REGION 5  
 3012 ISLAND AVE.  
 LA GRANDE, OR. 97850-9497

MARCH 25, 2013  
 SCALE: 1" = 200'  
 SHEET 1 OF 1