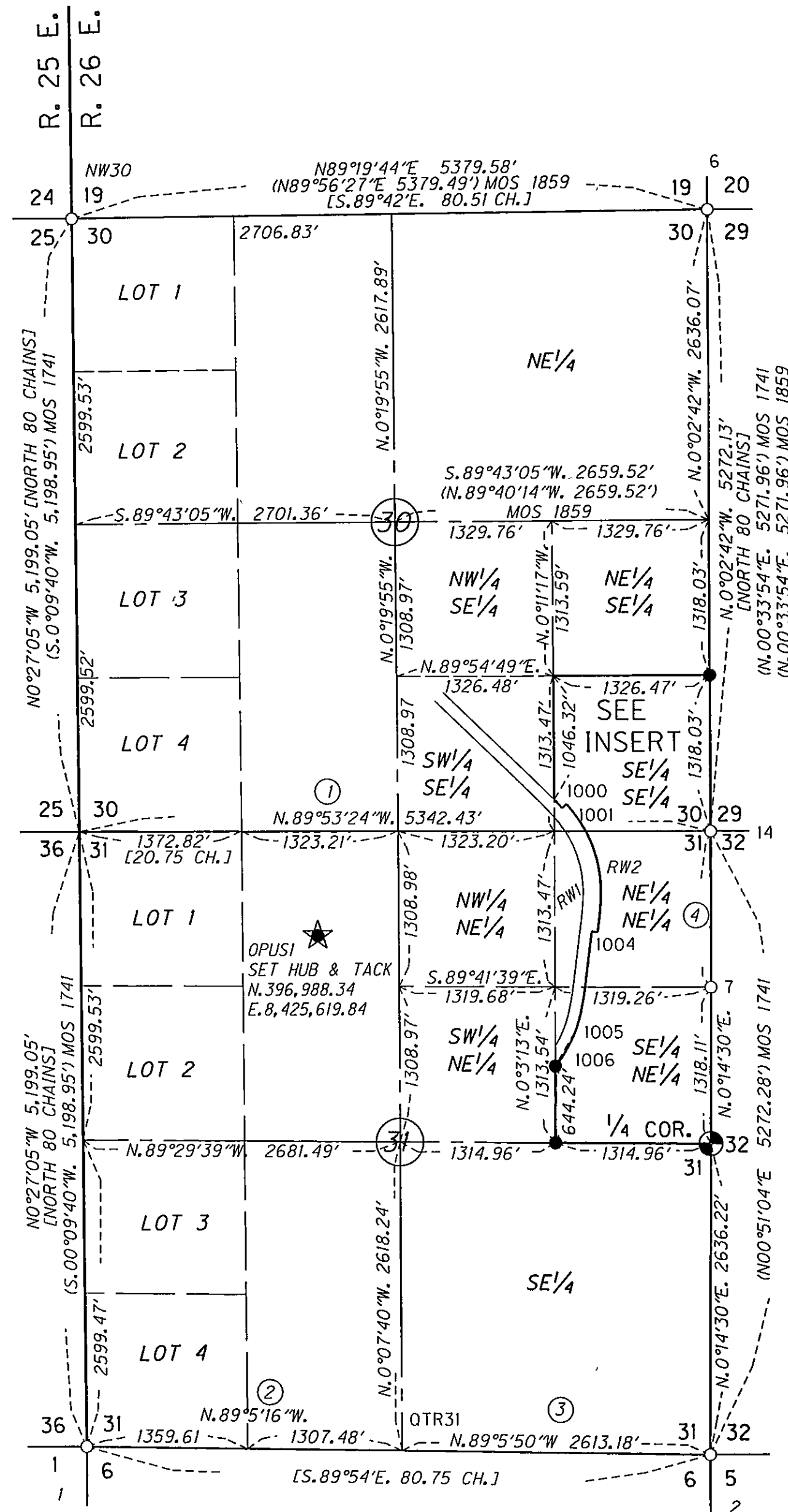


THE SE¹/₄ OF SEC. 30 AND THE NE¹/₄ OF SEC. 31, T. 9 S., R. 26 E., W.M.



- NOTES
- ① [S.89°49'E. 80.75 CH.], (N.89°16'45"W. 5342.55') MOS 1741
 - ② (S.88°28'E. 20.60 CH., S.88°28'E. 19.81 CH.) MOS 132
 - ③ (S.88°28'E. 39.60 CH.) MOS 132
 - ④ N.0°13'32"E. 1317.99' (1318.07') MOS 1741
 - ⑤ PT. 1001 TO PT. 1000 N.48°42'19"E. 50.05' (50') ODOT DRG 5B-10-23
 - ⑥ 1000 TO RW2: S.24°51'32"E. 670.12'
 - ⑦ RW2 - RW1: N.83°53'12"E. 149.47' (150') ODOT DRG 5B-10-23
 - ⑧ RW1 TO 1004: S.2°47'00"W. 436.72'
 - ⑨ 1004 TO 1005: N.4°21'28"E. 920.76'
 - ⑩ 1005 TO 1006: N.27°6'53"E. 140.54'

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

SCALE 1" = 1000'
100 500 0 1000
FEET

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO MARK THE BOUNDARY OF THE ROSE AND BONE QUARRY FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT). THE QUARRY IS LOCATED ON THE JOHN DAY HIGHWAY IN THE NE¹/₄ SEC. 31, AND THE SE¹/₄ OF SEC. 30, T. 9 S., R. 26 E., W.M. GRANT COUNTY, OREGON. FOR THIS SURVEY, WE ESTABLISHED A CONTROL NETWORK, AND MONUMENTED THE R/W BOUNDARY.

THE POSITIONS OF THE NW, THE NE AND THE SE COR. SEC. 30; THE SW THE S¹/₄, AND THE SE COR. OF SEC. 31, AND THE NE¹/₄ OF SEC. 31 / 32 WERE HELD. THE CALCULATED POSITIONS FOR THE W¹/₄ COR. OF SEC. 30, THE SW COR. OF SEC. 30 AND THE W¹/₄ COR. OF SEC. 31 ON THE RANGE LINE WERE ESTABLISHED BY SINGLE PROPORTION. THE E¹/₄ OF SEC. 31 WAS ESTABLISHED BY SINGLE PROPORTION BETWEEN THE NE¹/₄ OF SEC. 31 / 32 AND THE SE COR. OF SEC. 31.

THE EXISTING RIGHT OF WAY (RW) CENTER LINE FOR THE JOHN DAY HIGHWAY DEVELOPED FROM ODOT DRAWING 5B-1-23. THE POSITION OF MONUMENTS 1000, RW1, RW2 AND 1004 WERE USED TO DETERMINE SAID RW CENTER LINE. CENTER LINE STATION 56+10.40 P.C.S. WAS ESTABLISHED AT A PROPORTIONATE DISTANCE BETWEEN MONUMENTS RW1 AND RW2. MONUMENT 1000 WAS ASSUMED TO BE AT 100.00' LEFT AND MONUMENT 1004 WAS ASSUMED TO BE AT 50.00' RIGHT OF CENTER LINE.

THE BASIS OF BEARING WAS ESTABLISHED BY A GPS OBSERVATION TAKEN AT A POINT WHICH BEARS S.77°57'38"W. 2,291.10' FROM MONUMENT RW1. THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM (OCS) OF 1983 (CORS96, EPOCH 2002), 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 1983 (CORS96, EPOCH 2002), NORTH ZONE, MULTIPLY THE LDP COORDINATES BY 0.99982042.

REFERENCES

GENERAL LAND OFFICE CONTRACT 335
GRANT COUNTY BOOK OF DEEDS VOL. 86, PG. 411
GRANT COUNTY DEED INSTR. #911483
GRANT COUNTY DEED INSTR. #952110
GRANT COUNTY MAP OF SURVEY 1741
GRANT COUNTY MAP OF SURVEY 1859
ODOT DRAWING 5B-10-23
ODOT DRAWING 1R-5-1531

RECEIVED AND FILED
GRANT COUNTY SURVEYOR

FEB 27 2013

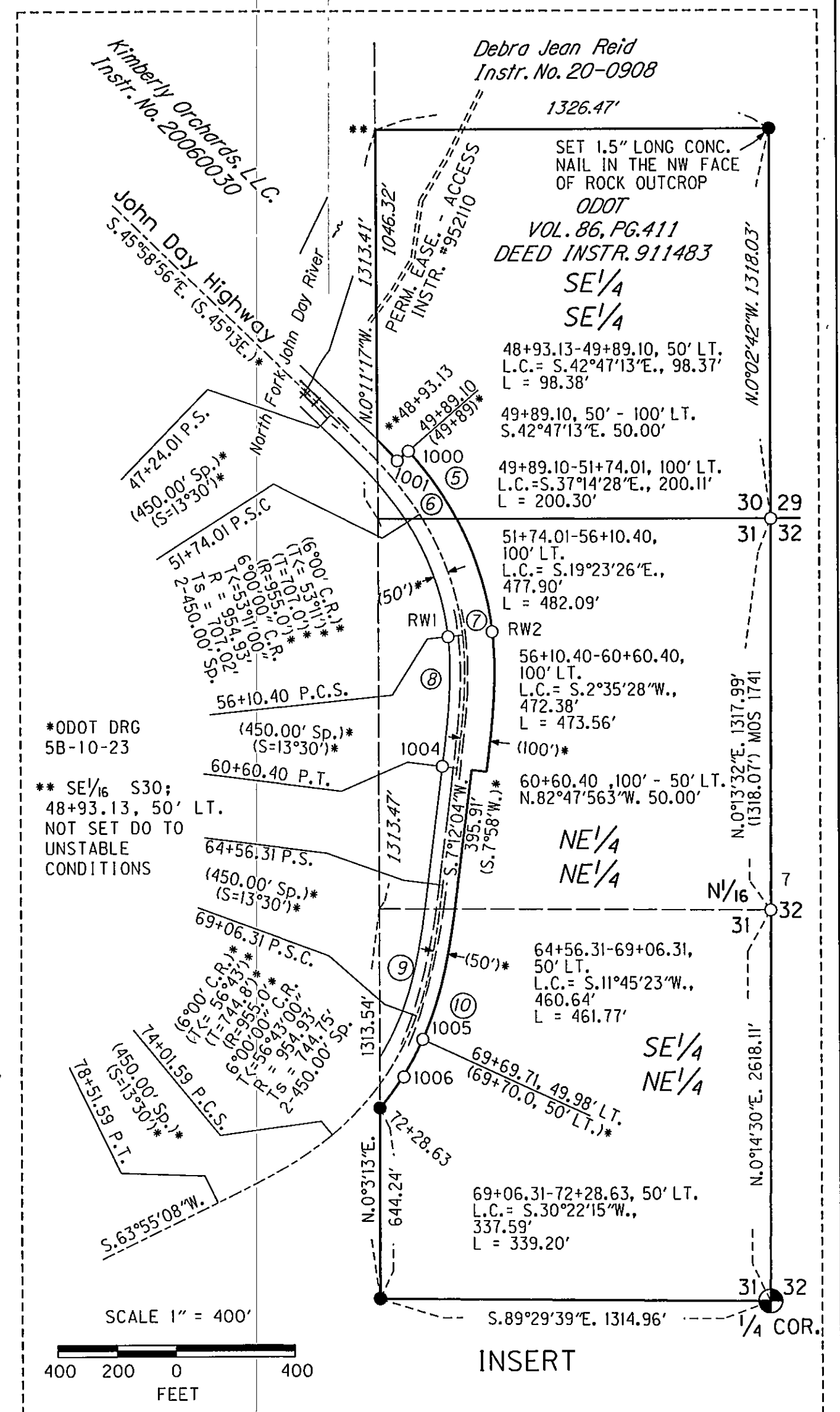
BY: *[Signature]*

RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	DESCRIPTION & REFERENCE DOCUMENTS
1	392,673.84	8,423,647.92	FD. 2 1/2" IRON PIPE W/3 1/2" BRASS CAP (MOS 132)
2	392,590.20	8,428,927.53	FD. 2 1/2" IRON PIPE W/3 1/2" BRASS CAP (MOS 132)
6	403,134.61	8,428,945.24	FD. 2 1/2" ALUM. PIPE W/3 1/2" ALUM. CAP (MOS 1741)
7	396,544.50	8,428,944.21	FD. 5/8" IRON ROD W/2" ALUM. CAP (MOS 1741)
14	397,862.48	8,428,949.40	FD. 2 1/2" ALUM. PIPE W/3 1/2" ALUM. CAP (MOS 1741)
1000	398,092.99	8,427,729.71	FD. 5/8" IRON ROD
1001	398,059.80	8,427,691.92	FD. 5/8" IRON ROD
1004	397,030.03	8,427,839.33	FD. 5/8" IRON ROD
1005	396,111.93	8,427,769.37	FD. 5/8" IRON ROD
1006	395,986.84	8,427,705.32	FD. 5/8" IRON ROD
NW30	403,071.61	8,423,566.02	FD. 4 RP'S, USED RECORD DIST. FROM NE AND SE RP'S TO ESTABLISH THE CORNER POSITION (LP 97-32)
RW1	397,466.23	8,427,860.54	FD. 5/8" IRON ROD
RW2	397,482.81	8,428,008.97	FD. 5/8" IRON ROD
QTR31	392,631.38	8,426,314.68	FD. 3" BR. DISC ON 2" PIPE IN COLLAR OF STONE (MOS 132)

LEGEND

()	RECORD DATA AS NOTED
[]	RECORD DATA FROM ORIGINAL GLO NOTES
○	FOUND MONUMENT NOTED IN TABLE
★	SET GPS STATION
●	SET 5/8" x 30" IRON ROD W/1 1/2" ALUM. CAP
●	SET 5/8" x 30" IRON ROD W/3 1/2" x 30" BRASS CAP
—	ODOT QUARRY BOUNDARY
—	ODOT R/W
---	ODOT DRG. 5B-10-23 CENTER LINE



OREGON DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY BOUNDARY MONUMENTATION MAP
ROSE AND BONE QUARRY
JOHN DAY HIGHWAY NO. 5 (OR 19)
GRANT COUNTY, OREGON

ODOT REGION 5
3012 ISLAND AVENUE
LA GRANDE, OR 97850

JANUARY 16, 2013
SCALE: 1" = 1000'
SHEET 1 OF 1