

FOUND 1-1/2" ALUMINUM CAP ON 5/8" SMOOTH IRON ROD 14" BELOW GROUND SURFACE CAP IS MARKED "OREGON STATE HWY. DIV."  
 LOCAL DATUM COORDINATES:  
 N 50,126.99  
 E 49,963.72

SET 5/8" X 30" IRON REBAR WITH 2" ALUMINUM CAP MARKED AS SHOWN AT GROUND SURFACE  
 LOCAL DATUM COORDINATES:  
 N 50,000.00  
 E 50,000.00



FOUND 3/4" SMOOTH IRON ROD 7" BELOW GROUND SURFACE  
 LOCAL DATUM COORDINATES:  
 N 49,969.62  
 E 50,307.25

LINE	MEASURED		RECORD (DEED)	
	BEARING	DISTANCE	BEARING	DISTANCE
L1	S64°32'56"E	164.99'	S64°30'E	164.9'
L2	N64°07'02"W	39.60'	N64°03'W	39.6'
L3	S64°07'27"E	39.16'	S64°03'E	39.6'

**SURVEY NARRATIVE**

THE PURPOSE OF THIS SURVEY WAS TO RECOVER EXISTING MONUMENTS ON THE EXTERIOR OF TAX LOT 4N 32 4800, RE-MONUMENT THE NORTHEAST CORNER OF THE PROPERTY, AND ESTABLISH A PERMANENT MONUMENT FOR INSTRUMENT OCCUPATION FOR FUTURE TOPOGRAPHY AND QUANTITY SURVEYS. THE DEEDED PARCELS ARE OWNED BY THE OREGON DEPARTMENT OF TRANSPORTATION AND IS USED BY UMATILLA COUNTY AND O.D.O.T. FOR ROCK CRUSHING AND STOCKPILE PURPOSES. IT IS COMMONLY KNOWN AS THE "STRUVE" QUARRY. SEVERAL MONUMENTS WERE FOUND AROUND THE EXTERIOR OF THE PROPERTY WHICH WERE SET BY THE OREGON STATE HIGHWAY DEPARTMENT AT DIFFERENT TIMES. THE SMOOTH IRON RODS WERE TYPICAL OF MONUMENTS SET BY O.S.H.D. PRIOR TO AROUND 1980 AND THE SMOOTH IRON RODS WITH ALUMINUM CAPS ARE TYPICAL OF THOSE SET LATER. NO RECORD OF THESE MONUMENTS WAS FOUND EITHER IN THE UMATILLA COUNTY SURVEYOR RECORDS OR RIGHT OF WAY AND QUARRY MAPS AT THE DISTRICT 12 O.D.O.T. OFFICE. DEED CALLS ORIGINATED AT THE NORTHWEST CORNER OF SECTION 23 WHICH IS NOT MONUMENTED. THE INTERSECTION OF EXISTING PLOW LINES AND FENCES RUNNING SOUTH AND WEST FROM THE CORNER RESULTS IN A POSITION THAT DIFFERS FROM DEED CALLS BY APPROXIMATELY 28.5 FEET. THOUGH THE PLOW LINES AND FENCES ARE VISIBLE FOR LONG DISTANCES AND DON'T APPEAR TO HAVE CHANGED MUCH OVER THE YEARS. THE OFFSET SPIRAL SEGMENT NEAR THE SOUTHWEST CORNER OF THE PROPERTY IS SHOWN AS A CHORD. RECORD CENTERLINE SPIRAL DATA IS GIVEN. THE OFFSET P.S. WAS CALCULATED BY PROPORTIONING ALONG A LINE BETWEEN MONUMENTS FOUND AT 570+32 P.O.S. AND 566+50 P.O.S., BASED ON DEED INFORMATION AND OFFSETTING NORTH THE DISTANCE CALCULATED FROM DEEDS. STATIONS GIVEN ON MONUMENTS ARE RECORD STATIONS FROM DEEDS AND RIGHT OF WAY MAPS AND DO NOT MATCH MEASURED VALUES EXACTLY. THE NORTHEAST CORNER OF PARCEL #3 WAS ESTABLISHED BY HOLDING RECORD DEED DISTANCES FROM THE 3/4" SMOOTH IRON ROD FOUND AT THE NORTHWEST CORNER OF PARCEL #2 AND THE ALUMINUM CAP FOUND AT THE SOUTHWEST CORNER OF PARCEL #3. THIS SURVEY WAS PERFORMED USING A LEICA VIVA RTK GPS SYSTEM. BEARINGS ARE GEODETIC AND ARE BASED ON OBSERVATIONS AT MONUMENT "STRUVE BASE". LOCAL DATUM COORDINATES ARE GIVEN BASED ON THE LOCATION OF "STRUVE BASE" BEING NORTH 50,000.00', EAST 50,000.00'.

**SURVEY RECORDS**

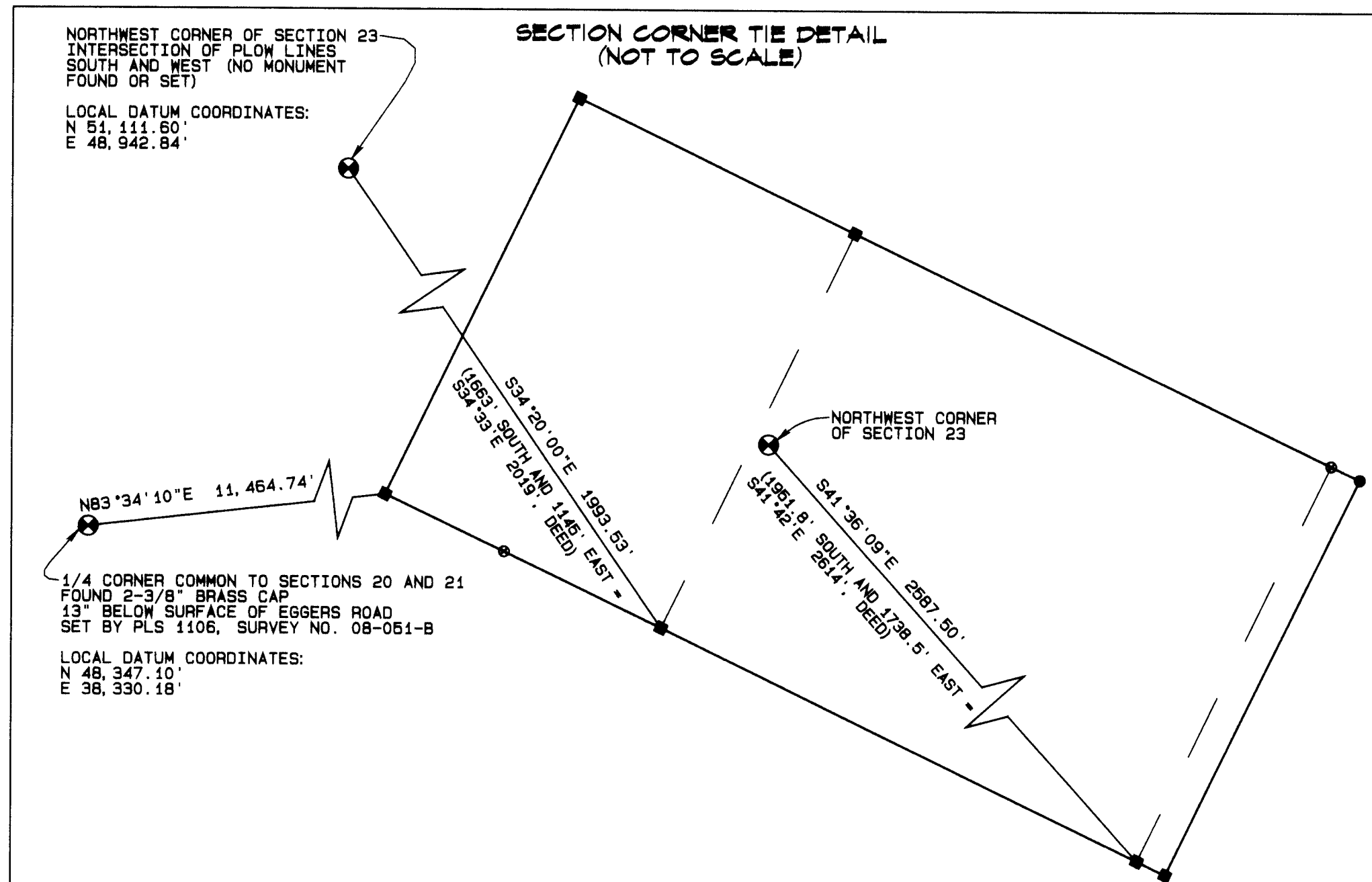
PARTITION PLAT NO. 2008-03 BY WILLIAM WELLS FOR HAWKINS  
 O. S. H. D. RIGHT OF WAY MAP NO. 68-16-17  
 O. S. H. D. RIGHT OF WAY MAP NO. 68-21-10  
 O. S. H. D. QUARRY DRAWING NO. 1R-2-1702

**DEED RECORDS**

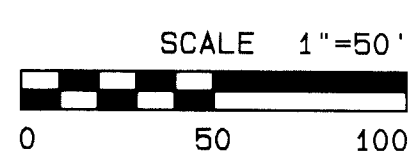
**PARCEL 1**  
 BOOK 185 PAGE 272  
 WARRANTY DEED - GRACE STRUVE TO STATE OF OREGON  
 RECORDED MARCH 26, 1948

**PARCEL 2**  
 BOOK 263 PAGE 692  
 QUITCLAIM DEED - MYRON E. RAMEY TO STATE OF OREGON  
 RECORDED JULY 5, 1961  
 BOOK 263 PAGE 693  
 WARRANTY DEED - HARRIET WINSAR ISOM TO STATE OF OREGON  
 RECORDED JULY 5, 1961

**PARCEL 3**  
 BOOK 266 PAGE 321  
 BARGAIN AND SALE DEED - BLAINE E., EVELYN, AND HARRIET WINSAR ISOM TO UMATILLA COUNTY  
 RECORDED JANUARY 4, 1962  
 BOOK 281 PAGE 231  
 BARGAIN AND SALE DEED - UMATILLA COUNTY TO STATE OF OREGON  
 RECORDED AUGUST 27, 1965  
 BOOK 281 PAGE 436  
 CORRECTION BARGAIN AND SALE DEED - UMATILLA COUNTY TO STATE OF OREGON  
 RECORDED SEPTEMBER 23, 1965



- LEGEND**
- SET MONUMENT AS NOTED
  - ⊙ SECTION MONUMENT OR EVIDENCE THEREOF AS NOTED
  - FOUND MONUMENT AS NOTED
  - POWER POLE
  - ⊗ CALCULATED POINT ONLY - NOTHING FOUND OR SET UNLESS OTHERWISE NOTED
  - - - - - EDGE OF ROAD
  - X - - - FENCE
  - - - - - GUARDRAIL
  - - - - - RIGHT OF WAY LINE
  - - - - - BOTTOM OF DRAINAGE
  - ○ ○ ○ ○ CULVERT



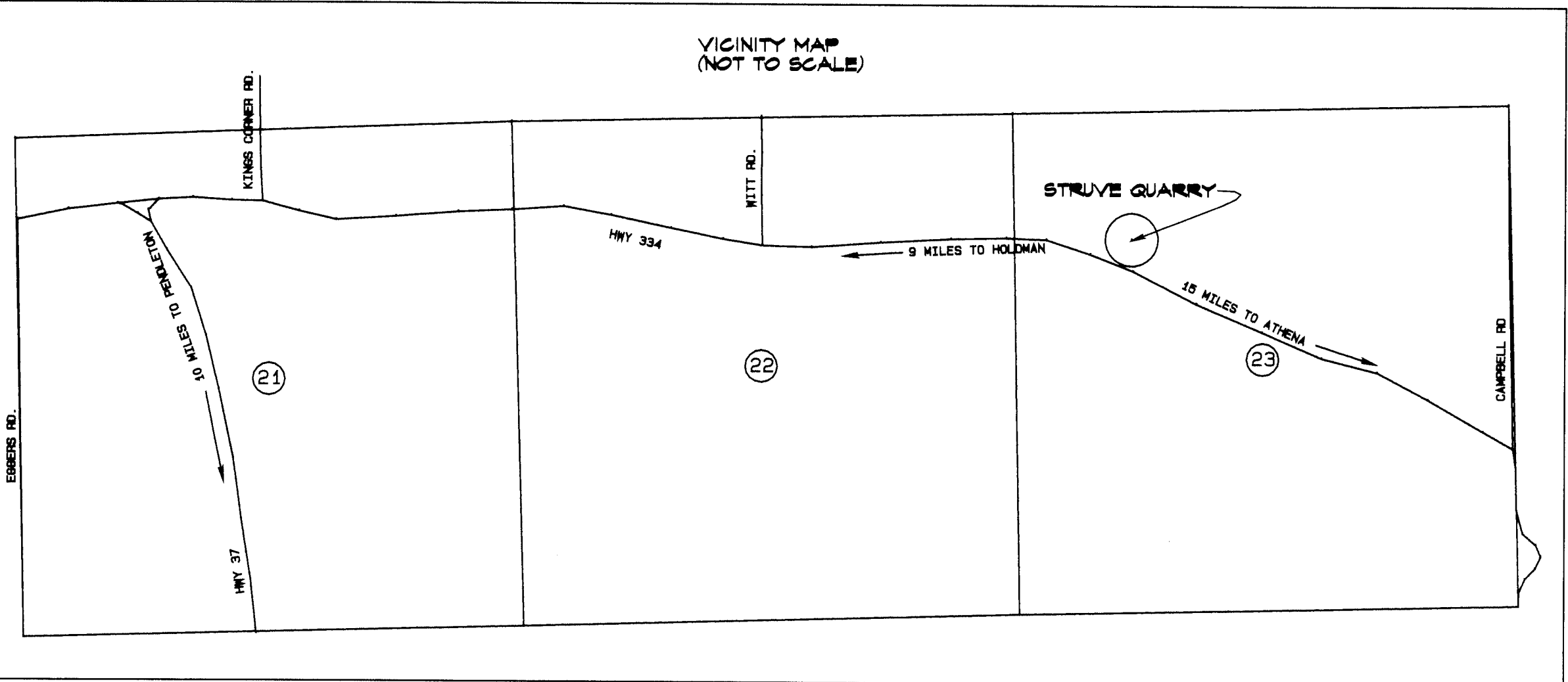
REGISTERED PROFESSIONAL LAND SURVEYOR  
*Gary R. Roberts*  
 GARY R. ROBERTS  
 262  
 RENEWS 12/31/2016

UMATILLA COUNTY PUBLIC WORKS DEPARTMENT  
 3420 WESTGATE PENLETON, OR 97601  
 PHONE: (541)276-3424

BOUNDARY SURVEY FOR STRUVE QUARRY  
 LOCATED IN THE NORTHWEST 1/4 OF SECTION 23  
 TOWNSHIP 4 NORTH RANGE 32 EAST

DATE OF SURVEY: MARCH 2015  
 DRAWN BY: E.L.K. CHECKED BY: G.R.R.  
 SHEET: 1 OF 1

**RECEIVED BY**  
 Umatilla County Surveyor  
 Date: 4/2/2015  
 Rec'd By: [Signature]  
 No.: 15-021-28



FOUND 1-1/2" ALUMINUM CAP ON 5/8" SMOOTH IRON ROD 14" BELOW GROUND SURFACE CAP IS MARKED "OREGON STATE HWY. DIV."  
 RECORD STATION FROM R/W MAP 68-16-17 = 570+32 P.O.S., 30' RT.  
 LOCAL DATUM COORDINATES:  
 N 49,931.13  
 E 49,722.79

RECORD STATION FROM R/W MAP 68-16-17 = 568+67.1 P.S., 30' RT.  
 LOCAL DATUM COORDINATES:  
 N 49,960.23  
 E 49,671.77

FOUND 3/4" SMOOTH IRON ROD 2" ABOVE GROUND SURFACE  
 RECORD STATION FROM R/W MAP 68-16-17 AND DEEDS = 566+50 P.O.S., 30' RT.  
 LOCAL DATUM COORDINATES:  
 N 49,485.40  
 E 50,067.20

FOUND 2-3/8" BRASS CAP  
 13" BELOW SURFACE OF EGGERS ROAD SET BY PLS 1106, SURVEY NO. 08-051-B  
 LOCAL DATUM COORDINATES:  
 N 48,347.10  
 E 38,330.18

FOUND 5/8" SMOOTH IRON ROD 17" BELOW GROUND SURFACE TOP OF MONUMENT IS BENT TOWARD ROAD MEASUREMENT IS TO VERTICAL ENTRANCE (SPIN HOLE)  
 RECORD STATION FROM DEEDS = 564+90 P.O.S., 30' RT.  
 LOCAL DATUM COORDINATES:  
 N 49,176.76  
 E 50,660.83

FOUND 1-1/2" ALUMINUM CAP ON 5/8" SMOOTH IRON ROD 6" BELOW GROUND SURFACE CAP IS MARKED "OREGON STATE HWY. DIV."  
 LOCAL DATUM COORDINATES:  
 N 49,159.66  
 E 50,696.07