

NE 1/4 SECTION 34 T2N R27E WM  
 NW 1/4 SECTION 34 T2N R27E WM  
 SE 1/4 SECTION 34 T2N R27E WM  
 SW 1/4 SECTION 34 T2N R27E WM

**SHEET INDEX**

1. SHEET INDEX, CONTROL NARRATIVE, SURVEY NARRATIVE, BASIS OF BEARING, REFERENCES AND LEGEND
- 2.-3. BOUNDARY SURVEY

**CONTROL NARRATIVE**

PROJECT: BUTTER CREEK QUARRY  
 LOCATION: UMATILLA COUNTY  
 SURVEY DATUM:  
 HORIZONTAL - NAD83 (2011) EPOCH 2010 (INTERNATIONAL FEET)  
 VERTICAL - NAVD 88 (INTERNATIONAL FEET)

**GPS HORIZONTAL CONTROL SURVEY**

PRIMARY HORIZONTAL CONTROL FOR THIS SURVEY WAS ESTABLISHED BY USING THE NGS OPUS PROGRAM TO ESTABLISH A POSITION ON POINT 1005. A SUBSEQUENT RTK GPS SURVEY WAS PERFORMED TO ESTABLISH POSITIONS FOR POINTS 1000-1014 AND 2000 BY HOLDING THE OPUS POSITION OF POINT 1005.

BEARINGS SHOWN ON THIS SURVEY ARE GRID BEARINGS BASED UPON THE OREGON STATE PLANE COORDINATE SYSTEM NAD83 (2011) EPOCH 2010, NORTH ZONE.

A LOCAL DATUM PLANE (LDP) COORDINATE SYSTEM WAS USED FOR THIS SURVEY, WHERE ALL POINTS WERE MOVED FROM OREGON STATE PLANE - NORTH ZONE, NAD83 (2011) EPOCH 2010 TO GROUND USING A PROJECT COMBINED SCALE FACTOR OF 0.99987618. TO CONVERT THE PROJECT LDP COORDINATES TO OREGON STATE PLANE COORDINATE SYSTEM - NORTH ZONE, NAD83 (2011) EPOCH 2010, MULTIPLY THE THE VALUES BY A COMBINED FACTOR OF 0.99987618.

**REFERENCES**

1. JOURNAL F, PAGE 142, DATED MAY 8, 1919
2. ODOT MAP 1R-2-1520 BY THE OREGON STATE HIGHWAY DEPARTMENT, DATED MAY 1945
3. WARRANTY DEED, VOLUME 170, PAGE 568, RECORDED APR. 4, 1946
4. UMATILLA COUNTY ROAD NO. 1400, JARMON-PINE CITY SECTION (BUTTER CREEK ROAD) PLAT, BY THE MORROW COUNTY HIGHWAY DEPARTMENT, DATE UNKNOWN
5. SURVEY NO. 90-53-A BY G. DENNIS EDWARDS, DATED 07/1990.
6. SURVEY NO. 05-111-C BY STEPHEN K. HADDOCK, DATED 05/2005.
7. SURVEY NO. 06-039-B BY STEPHEN K. HADDOCK, DATED 03/15/2006.

**NARRATIVE**

THE PURPOSE OF THIS SURVEY IS TO DETERMINE AND MONUMENT THE BOUNDARY OF THAT TRACT OF LAND DESCRIBED IN THAT DEED RECORDED IN VOLUME 170, PAGE 568, UMATILLA COUNTY DEED RECORDS.  
 THE SOUTHERLY LINE OF SAID TRACT IS DESCRIBED IN SAID DEED AS THE NORTHERLY LINE OF BUTTER CREEK ROAD. A RIGHT OF WAY MAP CREATED BY THE MORROW COUNTY HIGHWAY DEPARTMENT FOR BUTTER CREEK ROAD WAS DISCOVERED IN THE UMATILLA COUNTY SURVEYORS OFFICE AND THE RECORD SHAPE OF THE CENTER LINE WAS RECREATED AND POSITIONED USING THE EXISTING EDGE OF PAVEMENT. THE EDGE OF PAVEMENT FOR BUTTER CREEK ROAD WAS MAPPED EASTERLY AND WESTERLY OF THE PROJECT AND THE RECORD SHAPE OF SAID CENTER LINE WAS POSITIONED BY SPLITTING THE EDGE OF PAVEMENT IN THE TANGENTS. THE RESULTING LOCATION OF THE CENTER LINE ALIGNMENT FIT VERY WELL WITH THE LINES OF OCCUPATION AND PHYSICAL LOCATION OF BUTTER CREEK ROAD.

TO ESTABLISH THE WIDTH OF BUTTER CREEK ROAD AN EXTENSIVE SEARCH OF THE MORROW COUNTY ROAD DEPARTMENT AND MORROW COUNTY COURTHOUSE RECORDS WAS PERFORMED AND ALL THAT COULD BE FOUND FOR THIS PORTION OF THE ROAD WAS A PETITION TO CONSTRUCT THIS PORTION OF THE ROAD RECORDED IN JOURNAL F, PAGE 142, MORROW COUNTY DEED RECORDS, DATED MAY 8, 1919. BASED UPON THIS DATE AND INPUT FROM THE UMATILLA COUNTY ROAD DEPARTMENT, A STATUTORY WIDTH OF 60.00 FEET WAS DETERMINED FOR THE RIGHT OF WAY WIDTH FOR THE PORTION OF BUTTER CREEK ROAD ADJOINING SAID TRACT.

TO ESTABLISH THE BOUNDARY OF SAID TRACT, THE RECORD SHAPE OF THE BOUNDARY AS DESCRIBED IN SAID DEED WAS RECREATED AND POSITIONED BY HOLDING THE 5/8" IRON ROD FOUND AT THE NORTHWEST CORNER OF SAID TRACT AND ROTATING TO THE 5/8" IRON ROD FOUND AT THE SOUTHEAST CORNER OF SAID TRACT.

BASED UPON THE DEED FOR SAID PROPERTY, THE SOUTH BOUNDARY OF THIS TRACT IS THE SE 1/16TH LINE OF SECTION 34 AND WAS RESOLVED BY SUBDIVIDING THE SECTION. TO SUBDIVIDE SECTION 34, THE SOUTHEAST AND SOUTHWEST CORNERS OF SECTION 34 WERE RECOVERED AND THE NORTHWEST CORNER OF SECTION 34 WERE RECOVERED. THE NORTHEAST AND NORTHWEST CORNERS OF SAID SECTION 34 WERE CALCULATED BY DOUBLE PROPORTION.

THE EAST QUARTER CORNER FOR SECTION 27 WAS NOT FOUND, HOWEVER, WE WERE ABLE TO LOCATE THE WEST QUARTER CORNER FOR SECTION 27 (POINT 1006) AND A WITNESS MONUMENT SET IN SURVEY NO. 03-227-B TO CALCULATE THE POSITION FOR SAID EAST QUARTER CORNER USING BEARINGS AND DISTANCES SHOWN ON SURVEY NO. 06-039-B.

**SET MONUMENT LIST**

| PT. NO. | LDP NORTHING | LDP EASTING | STATION  | OFFSET    | DATE       | DESCRIPTION & REFERENCE DOCUMENTS                  |
|---------|--------------|-------------|----------|-----------|------------|--|
| 5000    | 709380.39    | 8478427.27  | 55+74.80 | 30.00' LT | 12/15/2014 | SET 5/8"x30" IRON ROD W/ALUMINUM CAP MARKED "ODOT" |
| 5001    | 709235.86    | 8478612.34  | 58+21.10 | 30.00' LT | 12/15/2014 | SET 5/8"x30" IRON ROD W/ALUMINUM CAP MARKED "ODOT" |
| 5002    | 709110.44    | 8478846.91  | 60+87.09 | 30.00' LT | 12/15/2014 | SET 5/8"x30" IRON ROD W/ALUMINUM CAP MARKED "ODOT" |
| 5003    | 709112.16    | 8479110.69  | N/A      | N/A       | 12/15/2014 | SET 5/8"x30" IRON ROD W/ALUMINUM CAP MARKED "ODOT" |

**RECOVERED MONUMENT LIST**

| PT. NO. | LDP NORTHING | LDP EASTING | DATE     | DESCRIPTION & REFERENCE DOCUMENTS   |
|---------|--------------|-------------|----------|---|
| 1000    | 709015.45    | 8479012.03  | 04/28/14 | FOUND 5/8" SMOOTH IRON ROD, ODOT DRG. NO. 1R-2-1520   |
| 1001    | 709166.68    | 8479109.86  | 04/28/14 | FOUND 5/8" SMOOTH IRON ROD, ODOT DRG. NO. 1R-2-1520   |
| 1002    | 709572.98    | 8478724.57  | 04/28/14 | FOUND 3/4" SMOOTH IRON ROD, ODOT DRG. NO. 1R-2-1520   |
| 1003    | 709569.14    | 8478424.70  | 04/28/14 | FOUND 5/8" SMOOTH IRON ROD, ODOT DRG. NO. 1R-2-1520   |
| 1004    | 707770.73    | 8475783.36  | 05/07/14 | FOUND FENCE CORNER HELD FOR SW CORNER OF SECTION 34, T2N, R27E, WM, ACCEPTED IN SURVEY 3-227-B                      |
| 1005    | 707793.33    | 8481090.74  | 09/17/14 | FOUND 2" OUTSIDE DIAMETER IRON PIPE FILLED WITH CONCRETE WITH NAIL AND WASHER MARKED "RLS 506", SURVEY NO. 05-111-C |
| 1006    | 715688.43    | 8475676.83  | 09/17/14 | FOUND IRON PIPE WITH 2-1/4" BRASS CAP MARKED "T2N R27E 1/4 S28 S27 2006 56295LS", SURVEY NO. 06-039-B               |
| 1007    | 712935.85    | 8459476.33  | 09/17/14 | FOUND IRON PIPE WITH 2-3/8" BRASS CAP MARKED "T2N R26E R27E S25 S30 S31 S36 2005 56295LS", SURVEY NO. 05-111-C      |
| 1008    | 707999.34    | 8491696.38  | 09/22/14 | FOUND IRON PIPE WITH 2-3/8" BRASS CAP MARKED "T2N R27E R28E S1 S6 S31 S36 TIN 2006 56295LS", SURVEY NO. 05-111-C    |
| 1009    | 739830.62    | 8491238.95  | 09/22/14 | FOUND IRON PIPE WITH 2-3/8" BRASS CAP MARKED "T3N R27E R28E 1 6 31 36 T2N 1990 LS 951" SURVEY NO. 90-53-A           |
| 1010    | 713075.37    | 8475692.63  | 09/19/14 | FOUND 5/8" IRON ROD, UNKNOWN ORIGIN   |
| 1011    | 715717.26    | 8477026.68  | 09/19/14 | FOUND 5/8" IRON ROD, BENT, SPUN FOR POSITION, SURVEY NO. 06-039-B   |
| 1013    | 707765.44    | 8470502.76  | 10/05/14 | FOUND IRON PIPE WITH 2-3/8" BRASS DISK MARKED "T2N R27E S32 S33 S5 S4 TIN 2005 56295LS" SURVEY NO. 05-111-C         |
| 1014    | 707765.44    | 8470502.76  | 10/05/14 | FOUND 2" INSIDE DIAMETER IRON PIPE WITNESS CORNER, SURVEY NO. 03-227-B  |
| 2000    | 709016.83    | 8479111.98  | 04/28/14 | FOUND 5/8" SMOOTH IRON ROD, ODOT DRG. NO. 1R-2-1520   |

REGISTERED PROFESSIONAL LAND SURVEYOR

*BTE*

RECEIVED BY  
 Umatilla County Surveyor  
 Date: 12-29-2014  
 Recd By: G. Hensley  
 No.: 14-155-B

OREGON  
 JAN. 14, 2003  
 BRET N. ELITHORP  
 63148

RENEWAL: DEC. 31, 2015  
 SIGNED: 12/18/14

**OREGON DEPARTMENT OF TRANSPORTATION**



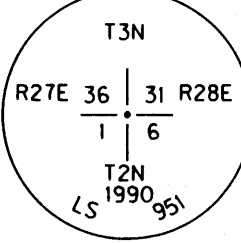
MAP OF SURVEY  
 BUTTER CREEK QUARRY  
 BUTTER CREEK ROAD  
 UMATILLA COUNTY

FOR ODOT REGION 5  
 3012 ISLAND AVENUE  
 LA GRANDE, OR 97850

DECEMBER 18, 2014  
 NO SCALE  
 SHEET 1 OF 3

NE 1/4 SECTION 34 T2N R27E WM  
 NW 1/4 SECTION 34 T2N R27E WM  
 SE 1/4 SECTION 34 T2N R27E WM  
 SW 1/4 SECTION 34 T2N R27E WM

1009  
 FOUND IRON PIPE WITH  
 2-3/8" BRASS CAP  
 MARKED AS SHOWN  
 SURVEY NO. 90-53-A

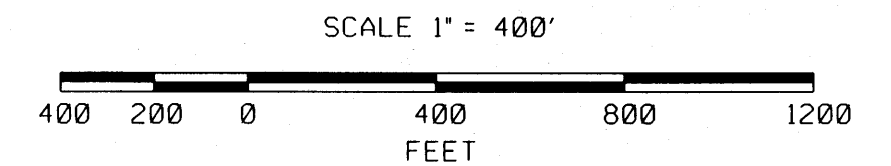


SEE SHEET 1 FOR RECOVERED AND SET  
 MONUMENT LISTS

**LEGEND**

- SET 5/8" X 30" IRON REBAR WITH ALUMINUM CAP MARKED "ODOT" UNLESS OTHERWISE NOTED
- FOUND MONUMENT NOTED IN TABLE ON SHEET 1
- CALCULATED POSITION-NOTHING FOUND NOTHING SET
- ( ) RECORD DATA PER COUNTY ROAD NO. 1400, BUTTER CREEK ROAD, JARMON-PINE CREEK SECTION, MORROW COUNTY ROAD DEPARTMENT
- [ ] RECORD DATA PER COUNTY SURVEY 06-039-B
- (( )) RECORD DATA PER GENERAL LAND OFFICE (GLO) FIELDNOTES

— EXISTING RIGHT-OF-WAY      - - - - EDGE OF PAVEMENT  
 — ODOT PROPERTY BOUNDARY      — X — FENCE




REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

**RECEIVED BY**  
**Umatilla County Surveyor**  
 Date: 12-29-2014  
 Recd By: G. Hensley  
 No.: 14-155-B

OREGON  
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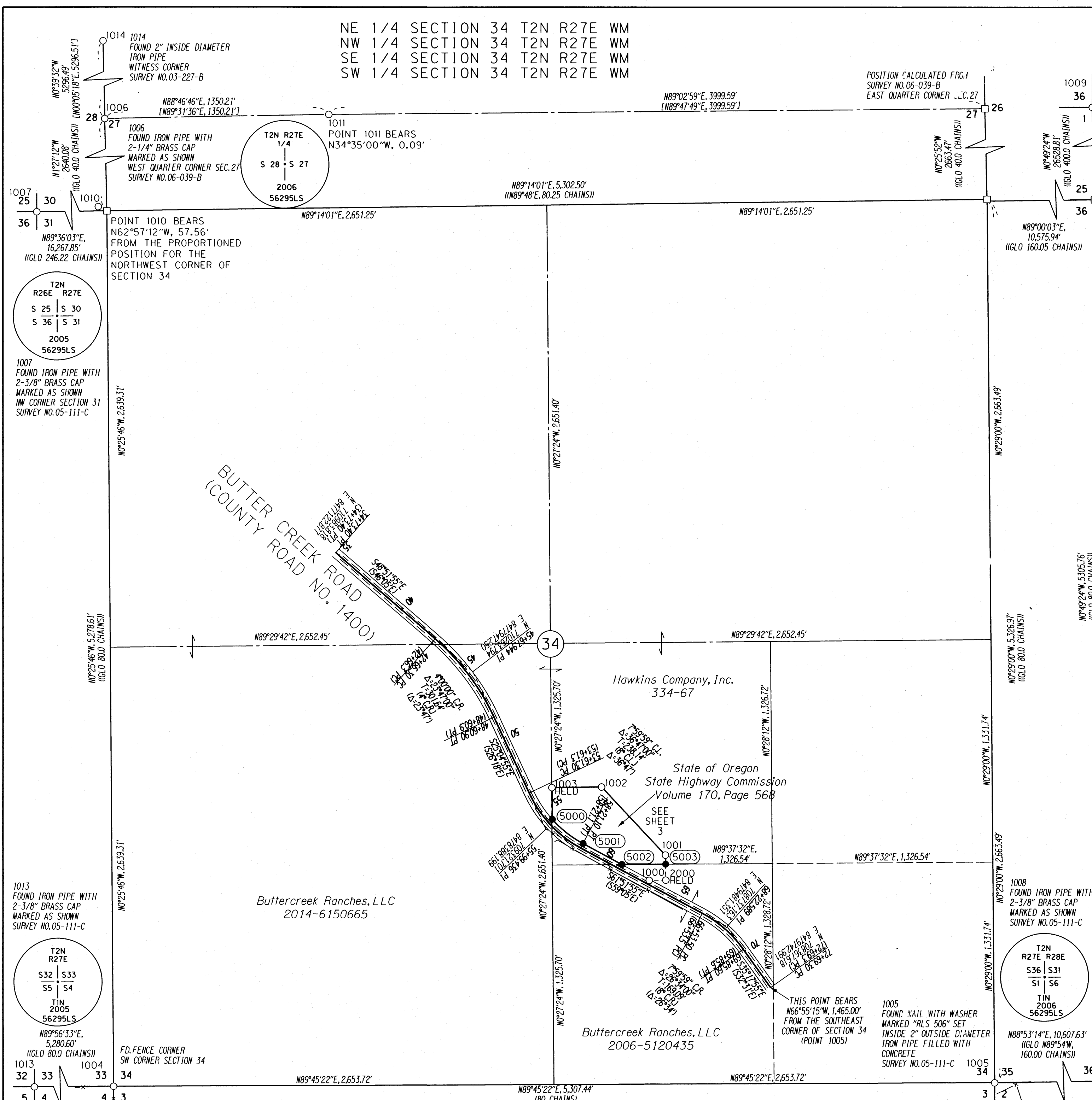
OREGON DEPARTMENT OF TRANSPORTATION



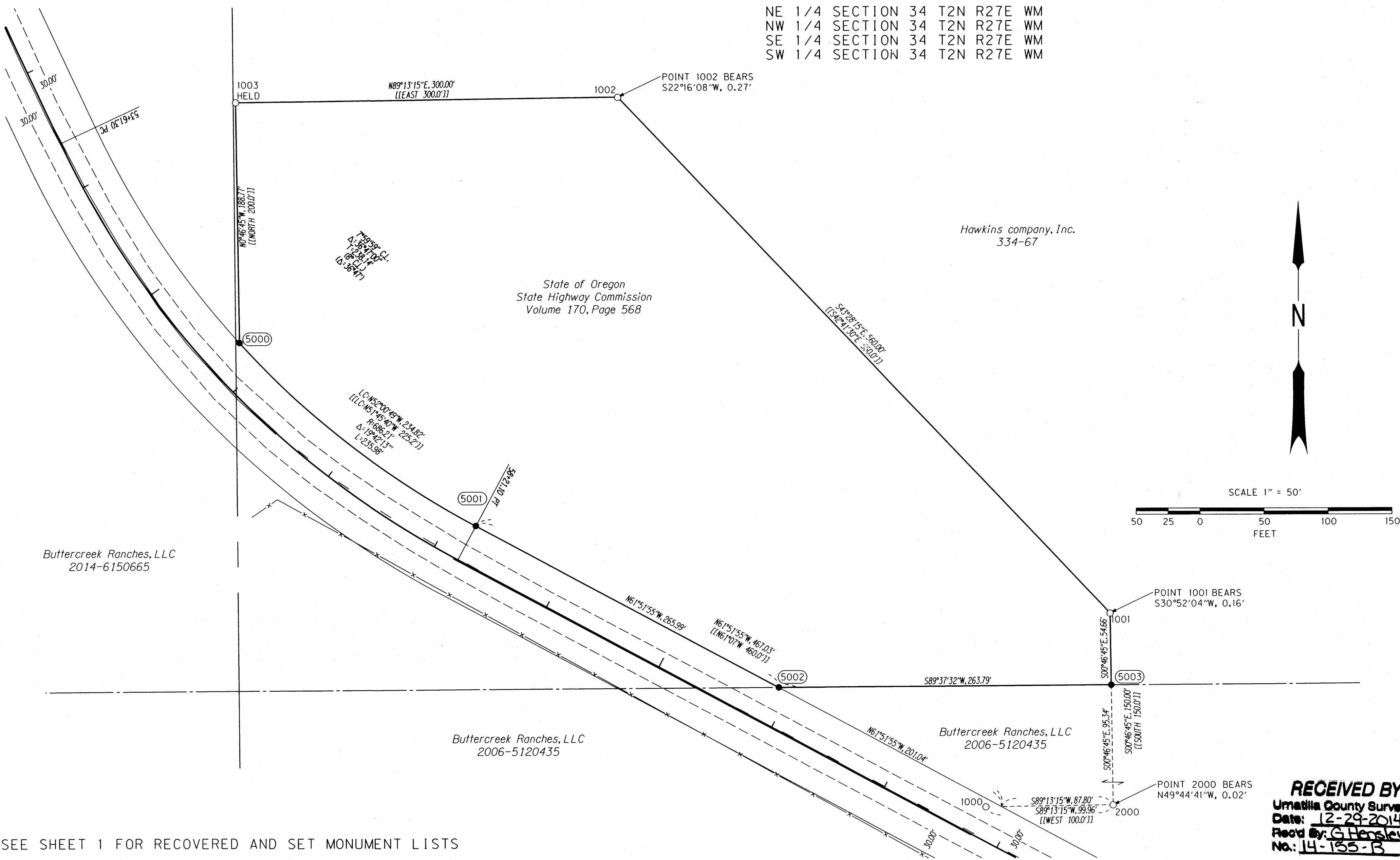
MAP OF SURVEY  
 BUTTER CREEK QUARRY  
 BUTTER CREEK ROAD  
 UMATILLA COUNTY

FOR ODOT REGION 5  
 3012 ISLAND AVENUE  
 LA GRANDE, OR 97850

DECEMBER 18, 2014  
 SCALE: 1" = 400'  
 SHEET 2 OF 3




NE 1/4 SECTION 34 T2N R27E WM  
 NW 1/4 SECTION 34 T2N R27E WM  
 SE 1/4 SECTION 34 T2N R27E WM  
 SW 1/4 SECTION 34 T2N R27E WM



**RECEIVED BY**  
 Umatilla County Surveyor  
 Date: 12-29-2014  
 Rec'd By: G. Hensley  
 No: 14-155-B

| LEGEND |  |
|--------|--|
| ●      | SET 5/8" X 30" IRON REBAR WITH ALUMINUM CAP MARKED "ODOT" AS NOTED IN TABLE ON SHEET 1 |
| ○      | FOUND MONUMENT NOTED IN TABLE ON SHEET 1   |
| [[ ]]  | RECORD DATA PER ODOT DRG. NO. 1R-2-1520  |
| —      | EXISTING RIGHT-OF-WAY  |
| ---    | EDGE OF PAVEMENT   |
| —      | ODOT PROPERTY BOUNDARY   |
| -x-    | FENCE  |

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Bret N. Elithorp*  
 OREGON  
 JAN. 14, 2003  
 BRET N. ELITHORP  
 63148  
 RENEWAL: DEC. 31, 2015  
 SIGNED: 12/18/14

OREGON DEPARTMENT OF TRANSPORTATION  
  
 MAP OF SURVEY  
 BUTTER CREEK QUARRY  
 BUTTER CREEK ROAD  
 UMATILLA COUNTY  
 FOR ODOT REGION 5  
 3012 ISLAND AVENUE  
 LA GRANDE, OR 97850  
 DECEMBER 18, 2014  
 SCALE: 1" = 50'  
 SHEET 3 OF 3