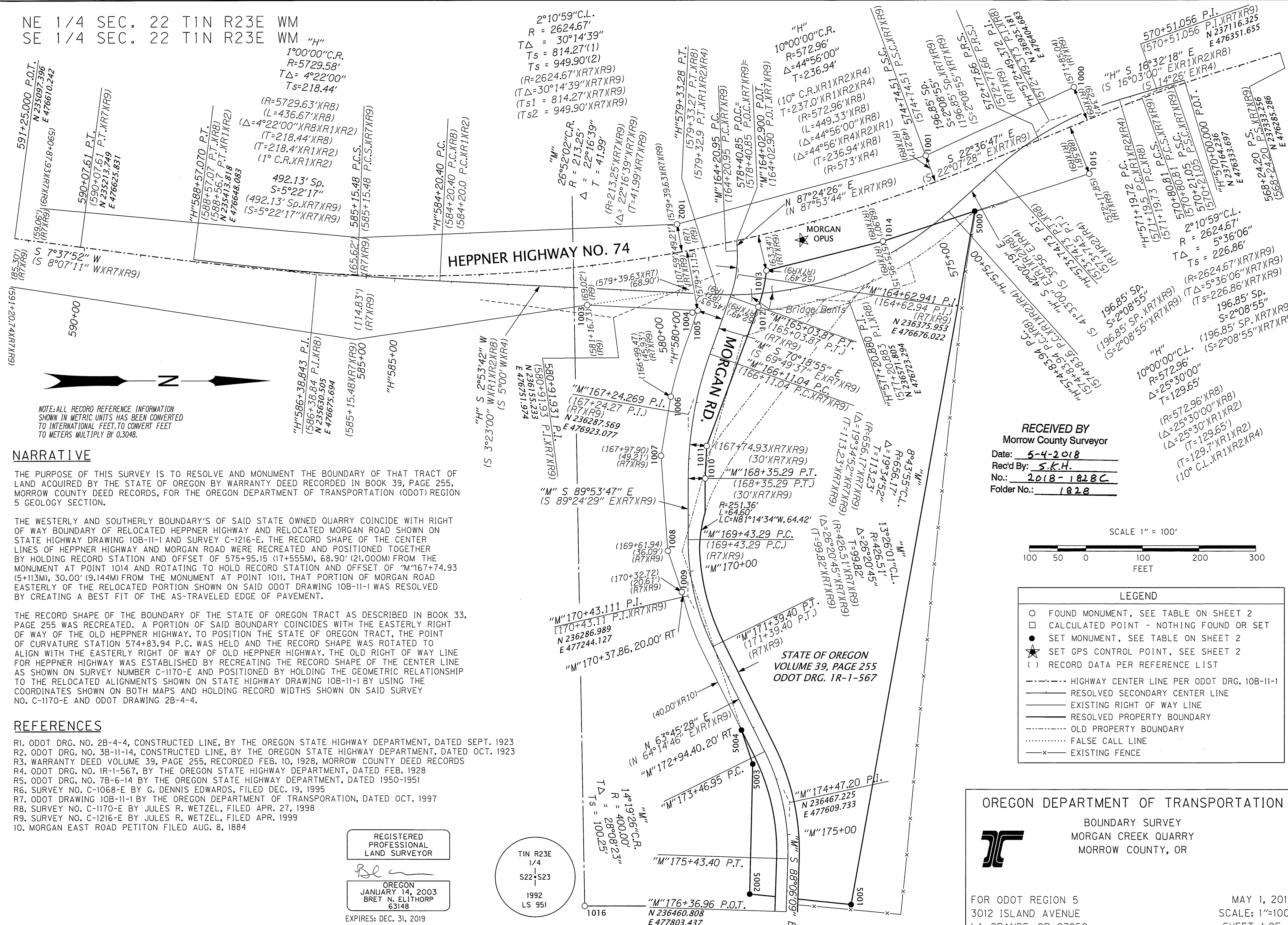


NE 1/4 SEC. 22 T1N R23E WM  
SE 1/4 SEC. 22 T1N R23E WM



NOTE: ALL RECORD REFERENCE INFORMATION SHOWN IN METRIC UNITS HAS BEEN CONVERTED TO INTERNATIONAL FEET. TO CONVERT FEET TO METERS MULTIPLY BY 0.3048.

**NARRATIVE**

THE PURPOSE OF THIS SURVEY IS TO RESOLVE AND MONUMENT THE BOUNDARY OF THAT TRACT OF LAND ACQUIRED BY THE STATE OF OREGON BY WARRANTY DEED RECORDED IN BOOK 39, PAGE 255, MORROW COUNTY DEED RECORDS, FOR THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) REGION 5 GEOLOGY SECTION.

THE WESTERLY AND SOUTHERLY BOUNDARY'S OF SAID STATE OWNED QUARRY COINCIDE WITH RIGHT OF WAY BOUNDARY OF RELOCATED HEPPNER HIGHWAY AND RELOCATED MORGAN ROAD SHOWN ON STATE HIGHWAY DRAWING 10B-11-1 AND SURVEY C-1216-E. THE RECORD SHAPE OF THE CENTER LINES OF HEPPNER HIGHWAY AND MORGAN ROAD WERE RECREATED AND POSITIONED TOGETHER BY HOLDING RECORD STATION AND OFFSET OF 575+95.15 (17+555M), 68.90' (21.000M) FROM THE MONUMENT AT POINT 1014 AND ROTATING TO HOLD RECORD STATION AND OFFSET OF "M"167+74.93 (5+113M), 30.00' (9.144M) FROM THE MONUMENT AT POINT 1011. THAT PORTION OF MORGAN ROAD EASTERLY OF THE RELOCATED PORTION SHOWN ON SAID ODOT DRAWING 10B-11-1 WAS RESOLVED BY CREATING A BEST FIT OF THE AS-TRAVELED EDGE OF PAVEMENT.

THE RECORD SHAPE OF THE BOUNDARY OF THE STATE OF OREGON TRACT AS DESCRIBED IN BOOK 33, PAGE 255 WAS RECREATED. A PORTION OF SAID BOUNDARY COINCIDES WITH THE EASTERLY RIGHT OF WAY OF THE OLD HEPPNER HIGHWAY. TO POSITION THE STATE OF OREGON TRACT, THE POINT OF CURVATURE STATION 574+83.94 P.C. WAS HELD AND THE RECORD SHAPE WAS ROTATED TO ALIGN WITH THE EASTERLY RIGHT OF WAY OF OLD HEPPNER HIGHWAY. THE OLD RIGHT OF WAY LINE FOR HEPPNER HIGHWAY WAS ESTABLISHED BY RECREATING THE RECORD SHAPE OF THE CENTER LINE AS SHOWN ON SURVEY NUMBER C-1170-E AND POSITIONED BY HOLDING THE GEOMETRIC RELATIONSHIP TO THE RELOCATED ALIGNMENTS SHOWN ON STATE HIGHWAY DRAWING 10B-11-1 BY USING THE COORDINATES SHOWN ON BOTH MAPS AND HOLDING RECORD WIDTHS SHOWN ON SAID SURVEY NO. C-1170-E AND ODOT DRAWING 2B-4-4.

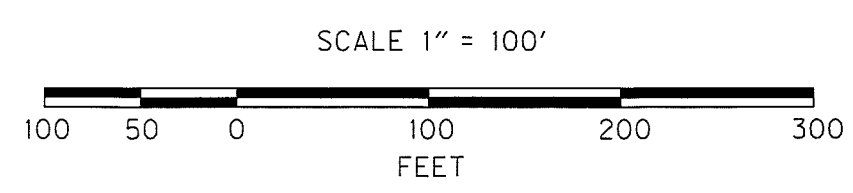
**REFERENCES**

- R1. ODOT DRG. NO. 2B-4-4, CONSTRUCTED LINE, BY THE OREGON STATE HIGHWAY DEPARTMENT, DATED SEPT. 1923
- R2. ODOT DRG. NO. 3B-11-14, CONSTRUCTED LINE, BY THE OREGON STATE HIGHWAY DEPARTMENT, DATED OCT. 1923
- R3. WARRANTY DEED VOLUME 39, PAGE 255, RECORDED FEB. 10, 1928, MORROW COUNTY DEED RECORDS
- R4. ODOT DRG. NO. 1R-1-567, BY THE OREGON STATE HIGHWAY DEPARTMENT, DATED FEB. 1928
- R5. ODOT DRG. NO. 7B-6-14 BY THE OREGON STATE HIGHWAY DEPARTMENT, DATED 1950-1951
- R6. SURVEY NO. C-1068-E BY G. DENNIS EDWARDS, FILED DEC. 19, 1995
- R7. ODOT DRAWING 10B-11-1 BY THE OREGON DEPARTMENT OF TRANSPORTATION, DATED OCT. 1997
- R8. SURVEY NO. C-1170-E BY JULES R. WETZEL, FILED APR. 27, 1998
- R9. SURVEY NO. C-1216-E BY JULES R. WETZEL, FILED APR. 1999
- 10. MORGAN EAST ROAD PETITON FILED AUG. 8, 1884

REGISTERED PROFESSIONAL LAND SURVEYOR  
*Bl*  
OREGON  
JANUARY 14, 2003  
BRET N. ELITHORP  
63148  
EXPIRES: DEC. 31, 2019

T1N R23E  
1/4  
S22-S23  
1992  
LS 951

RECEIVED BY  
Morrow County Surveyor  
Date: 5-4-2018  
Rec'd By: S.K.H.  
No.: 2018-182BC  
Folder No.: 1828



**LEGEND**

- FOUND MONUMENT, SEE TABLE ON SHEET 2
- CALCULATED POINT - NOTHING FOUND OR SET
- SET MONUMENT, SEE TABLE ON SHEET 2
- ★ SET GPS CONTROL POINT, SEE SHEET 2
- ( ) RECORD DATA PER REFERENCE LIST
- HIGHWAY CENTER LINE PER ODOT DRG. 10B-11-1
- RESOLVED SECONDARY CENTER LINE
- EXISTING RIGHT OF WAY LINE
- RESOLVED PROPERTY BOUNDARY
- OLD PROPERTY BOUNDARY
- ..... FALSE CALL LINE
- EXISTING FENCE

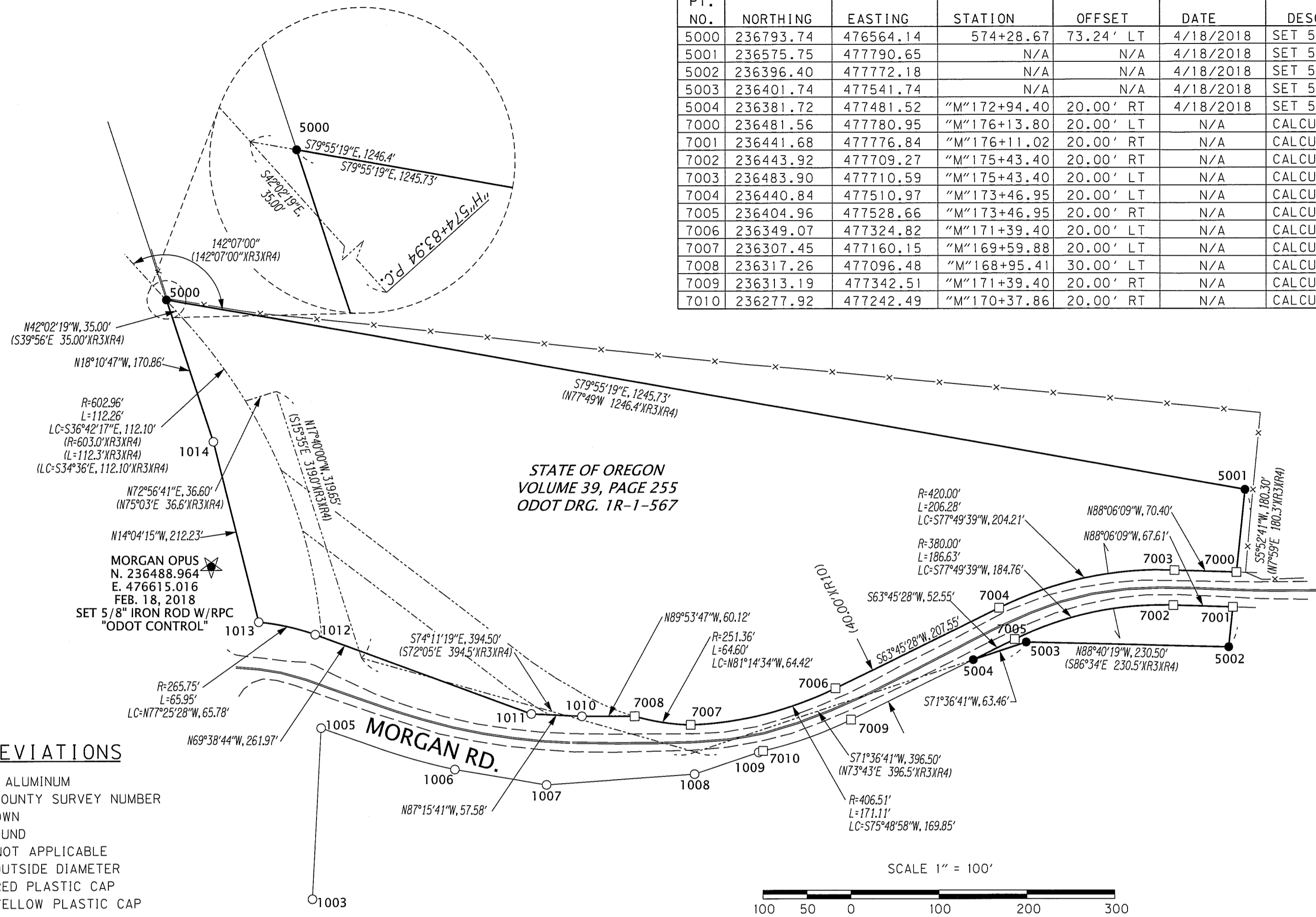
OREGON DEPARTMENT OF TRANSPORTATION  
BOUNDARY SURVEY  
MORGAN CREEK QUARRY  
MORROW COUNTY, OR

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

MAY 1, 2018  
SCALE: 1"=100'  
SHEET 1 OF 2

SET MONUMENT LIST

| PT. NO. | NORTHING  | EASTING   | STATION      | OFFSET    | DATE      | DESCRIPTION   |
|---------|-----------|-----------|--------------|-----------|-----------|---|
| 5000    | 236793.74 | 476564.14 | 574+28.67    | 73.24' LT | 4/18/2018 | SET 5/8"X30" IRON ROD WITH 1-1/2" ALUM. CAP MARKED "ODOT" |
| 5001    | 236575.75 | 477790.65 | N/A          | N/A       | 4/18/2018 | SET 5/8"X30" IRON ROD WITH 1-1/2" ALUM. CAP MARKED "ODOT" |
| 5002    | 236396.40 | 477772.18 | N/A          | N/A       | 4/18/2018 | SET 5/8"X30" IRON ROD WITH 1-1/2" ALUM. CAP MARKED "ODOT" |
| 5003    | 236401.74 | 477541.74 | N/A          | N/A       | 4/18/2018 | SET 5/8"X30" IRON ROD WITH 1-1/2" ALUM. CAP MARKED "ODOT" |
| 5004    | 236381.72 | 477481.52 | "M"172+94.40 | 20.00' RT | 4/18/2018 | SET 5/8"X30" IRON ROD WITH 1-1/2" ALUM. CAP MARKED "ODOT" |
| 7000    | 236481.56 | 477780.95 | "M"176+13.80 | 20.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7001    | 236441.68 | 477776.84 | "M"176+11.02 | 20.00' RT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7002    | 236443.92 | 477709.27 | "M"175+43.40 | 20.00' RT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7003    | 236483.90 | 477710.59 | "M"175+43.40 | 20.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7004    | 236440.84 | 477510.97 | "M"173+46.95 | 20.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7005    | 236404.96 | 477528.66 | "M"173+46.95 | 20.00' RT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7006    | 236349.07 | 477324.82 | "M"171+39.40 | 20.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7007    | 236307.45 | 477160.15 | "M"169+59.88 | 20.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7008    | 236317.26 | 477096.48 | "M"168+95.41 | 30.00' LT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7009    | 236313.19 | 477342.51 | "M"171+39.40 | 20.00' RT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |
| 7010    | 236277.92 | 477242.49 | "M"170+37.86 | 20.00' RT | N/A       | CALCULATED POINT - NOTHING FOUND OR SET                   |



STATE OF OREGON  
VOLUME 39, PAGE 255  
ODOT DRG. 1R-1-567

| LEGEND |   |
|--------|---|
| ○      | FOUND MONUMENT - SEE TABLE                |
| □      | CALCULATED POINT - NOTHING FOUND OR SET   |
| ●      | SET MONUMENT - SEE TABLE                  |
| ★      | SET GPS CONTROL POINT                     |
| ( )    | RECORD DATA PER REFERENCE LIST ON SHEET 1 |
| —      | EXISTING RIGHT OF WAY LINE                |
| —      | RESOLVED PROPERTY BOUNDARY                |
| - - -  | EDGE OF PAVEMENT                          |
| - x -  | EXISTING FENCE                            |

ABBREVIATIONS

- ALUM. = ALUMINUM
- CS# = COUNTY SURVEY NUMBER
- DN = DOWN
- FD = FOUND
- N/A = NOT APPLICABLE
- O.D. = OUTSIDE DIAMETER
- RPC = RED PLASTIC CAP
- YPC = YELLOW PLASTIC CAP

CONTROL NARRATIVE

PROJECT: MORGAN CREEK QUARRY  
 SURVEY DATUM:  
 HORIZONTAL - NAD83 (2011) EPOCH 2010 (INTERNATIONAL FEET),  
 OREGON COORDINATE REFERENCE SYSTEM (OCRS), NORTH CENTRAL ZONE  
 PRIMARY CONTROL WAS ESTABLISHED ON THIS PROJECT BY USING  
 GPS AND THE ONLINE POSITIONING USER SERVICE (OPUS) TO  
 ESTABLISH A POSITION ON POINT "MORGAN OPUS". A SUBSEQUENT  
 REAL TIME KINEMATIC (RTK) GPS SURVEY WAS PERFORMED HOLDING  
 "MORGAN OPUS" AS A BASE POINT TO ESTABLISH POSITIONS ON THE  
 FOUND MONUMENTS SHOWN ON THIS SURVEY.  
 BASIS OF BEARINGS: MEASURED BEARINGS SHOWN ARE GRID PER THE  
 PROJECT DATUM.

RECOVERED MONUMENT LIST

| PT ID | NORTHING  | EASTING   | DATE      | STATION      | OFFSET     | DESCRIPTION & REFERENCE DOCUMENTS  |
|-------|-----------|-----------|-----------|--------------|------------|--|
| 1000  | 236969.01 | 476345.77 | 2/21/2018 | 571+84.52    | 62.08' RT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.3', CS# C-1216-E                        |
| 1001  | 236707.06 | 476466.16 | 2/21/2018 | 574+74.51    | 49.24' RT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.3', CS# C-1216-E                        |
| 1002  | 236267.56 | 476587.09 | 2/21/2018 | 579+39.67    | 49.27' RT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.2', CS# C-1216-E                        |
| 1003  | 236108.93 | 476729.97 | 2/21/2018 | "H"581+58.29 | 30.05' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.3', CS# C-1216-E                        |
| 1004  | 236294.76 | 476743.32 | 2/21/2018 | 579+40.82    | 109.31' LT | FD 5/8" IRON ROD WITH 1-1/2" BRASS DISK MARKED "ODOT CONTROL 105", DN 0.5', CS# C-1216-E |
| 1005  | 236304.35 | 476739.82 | 2/21/2018 | "H"579+62.62 | 30.01' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.3', CS# C-1216-E                        |
|       |           |           |           | "M"165+46.07 | 45.93' RT  |  |
| 1006  | 236256.67 | 476892.01 | 2/21/2018 | "M"166+99.52 | 45.93' RT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.5', CS# C-1216-E                        |
| 1007  | 236239.41 | 476996.08 | 2/21/2018 | "M"167+97.92 | 49.17' RT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", DN 0.2', CS# C-1216-E                        |
| 1008  | 236251.48 | 477164.51 | 2/21/2018 | "M"169+61.98 | 36.10' RT  | FD 5/8" IRON ROD WITH YPC, ILLEGIBLE, FLUSH, CS# C-1216-E                                |
| 1009  | 236276.21 | 477237.37 | 2/21/2018 | "M"170+32.74 | 20.59' RT  | FD 5/8" IRON ROD WITH YPC, ILLEGIBLE, DN 0.2', CS# C-1216-E                              |
| 1010  | 236317.36 | 477036.39 | 2/21/2018 | "M"168+35.32 | 30.00' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
| 1011  | 236320.12 | 476978.85 | 2/21/2018 | "M"167+74.93 | 30.00' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
| 1012  | 236411.22 | 476733.26 | 2/21/2018 | "M"165+03.89 | 52.49' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
| 1013  | 236425.54 | 476669.07 | 2/21/2018 | "M"164+50.97 | 52.48' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
|       |           |           |           | 578+02.16    | 63.36' LT  |  |
| 1014  | 236631.41 | 476617.45 | 2/21/2018 | 575+95.15    | 68.90' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
| 1015  | 236995.92 | 476497.86 | 2/21/2018 | 572+18.17    | 88.67' LT  | FD 5/8" IRON ROD WITH YPC MARKED "ODOT RW", FLUSH, CS# C-1216-E                          |
| 1016  | 236104.87 | 477793.09 | 2/27/2018 | N/A          | N/A        | FD 2-1/4" BRASS DISK ON 1" O.D. IRON PIPE MARKED AS SHOWN ON SHEET 1                     |

RECEIVED BY  
 Morrow County Surveyor  
 Date: 5-4-2018  
 Rec'd By: S.K.H.  
 No.: 2018-1828C  
 Folder No.: 1828

REGISTERED PROFESSIONAL LAND SURVEYOR  
 BRET N. ELITHORP  
 OREGON  
 JANUARY 14, 2003  
 BRET N. ELITHORP  
 63148  
 EXPIRES: DEC. 31, 2019

OREGON DEPARTMENT OF TRANSPORTATION

BOUNDARY SURVEY  
 MORGAN CREEK QUARRY  
 MORROW COUNTY, OR

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

MAY 1, 2018  
 SCALE: 1"=100'  
 SHEET 2 OF 2