

**RECORD OF SURVEY**

A TRACT OF LAND BEING THE SOUTHERLY 540 FT. OF THE W1/2, SW1/4, SW1/4, S22, T5N, R28E, W.M. INCLUDING PARCEL 2 OF PARTITION PLAT 1999-12 IN THE SE 1/4, SECTION 21, T5N, R28E, W.M. UMATILLA COUNTY, OREGON.

**LEGEND**

- SET 5/8" X 30" IRON REBAR W/ RED PLASTIC CAP STAMPED ORPLS43406LS/WAPLS44338
- SET RAILROAD SPIKE, STAMPED PLS43406LS
- FOUND 2-1/2" BRASS CAP, AS NOTED.
- FOUND 5/8" IRON REBAR OF RECORD, AS NOTED.
- FOUND RAILROAD SPIKE FROM EDWARDS SURVEY NO.
- EXISTING STRUCTURE, AS NOTED.
- PROPERTY BOUNDARY/LEASE BOUNDARY, PERMIT BOUNDARY.
- - - BUFFER ZONE, AS NOTED.
- - - EXISTING ASPHALT/GRAVEL ROADS.
- - - EXISTING RIGHT-OF-WAY.
- x CALCULATED POINT NOT FOUND OR SET
- EXCAVATION LIMITS
- CONTOUR RELIEF 2' MINOR AND 10' MAJOR



SCALE 1"=100'



**BASIS OF BEARING**  
COUNTY SURVEY NO. 82-59-B  
SOUTH LINE OF SECTION 22

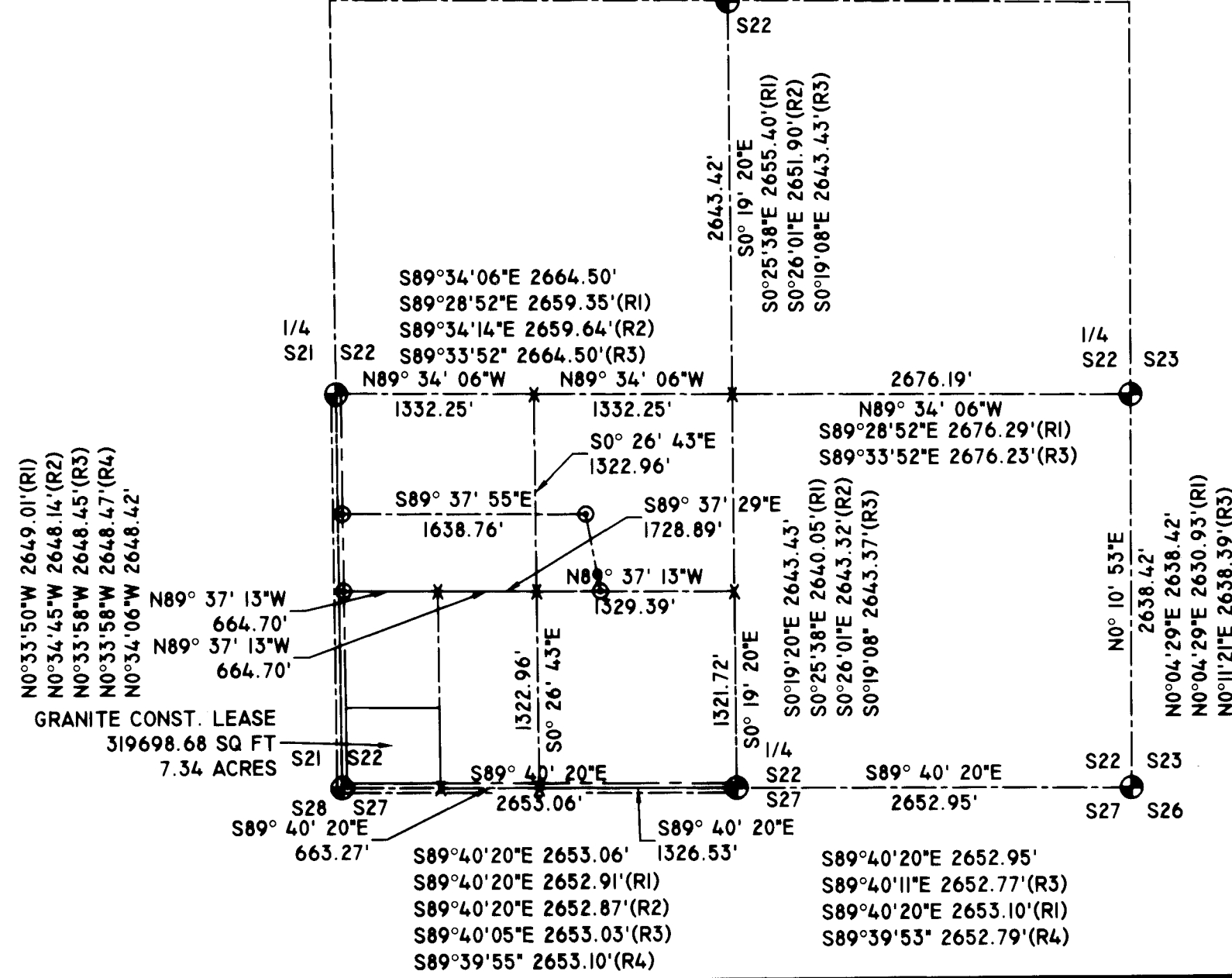


SCALE 1"=1000'



**BASIS OF BEARING**  
COUNTY SURVEY NO. 82-59-B  
SOUTH LINE OF SECTION 22

**DETAIL**



**REFERENCES:**

- NOTE: UCDR = UMATILLA COUNTY DEED RECORDS.
- (R) ASSESSOR'S MAPS 5N28221 & 5N2822.
  - (R1) COUNTY SURVEY NO. 82-59-B, TELEK ENGINEERING FOR CASCADE NATURAL GAS, 1982.
  - (R2) COUNTY SURVEY NO. 06-462-C, NORPA DEVELOPMENT FOR BEN CONNERS, 2006, DATED 1976.
  - (R3) COUNTY SURVEY NO. 06-45-A, EDWARDS FOR LUZ TEJEDA, 2006.
  - (R4) COUNTY SURVEY NO. 88-45-A, EDWARDS FOR UMATILLA COUNTY, 1988.
  - (R5) COUNTY SURVEY NO. 88-42-A, EDWARDS FOR CHARLIE KIK, 1986.
  - (R6) PARTITION PLAT 2001-17, COPPOCK FOR STUART BONNEY, 2001.
  - (R7) COUNTY SURVEY 02-294-B, TOMKINS FOR GILCHER, 2002.
  - (R8) PARTITION PLAT 1992-21, EDWARDS FOR JAMES CONNOR, 1992.
  - (R9) PARTITION PLAT 1999-12, EDWARDS FOR CLYDE NOBLES, 1999.
  - (R10) COUNTY SURVEY 02-251-C, TOMKINS FOR NOBLES, 2002.
  - (R11) PARTITION PLAT 2009-21, USKH FOR ROBERT GILCHER, 2009.
  - (R12) COUNTY SURVEY 10-175-B, EDWARDS FOR AMERICAN ROCK PRODUCTS, 2010.
  - (R13) PARTITION PLAT 2001-57, EDWARDS FOR RICHARD GREEN, 2001.
  - (D1) LEASE, UMATILLA COUNTY TO GRANITE CONSTRUCTION, INC. 2012.

**SURVEYOR'S NARRATIVE:**

THIS SURVEY WAS PERFORMED AT THE REQUEST OF DOUG STOUT, COMPLIANCE MANAGER FOR EUCON CORPORATION, TO SET THE LEASE BOUNDARIES AS DESCRIBED IN A LEASE DOCUMENT ON RECORD WITH UMATILLA COUNTY RECORDS OFFICE, BEING THE SOUTHERLY 540 FEET OF THE WEST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 5 NORTH, RANGE 28 EAST, AND INCORPORATE IT INTO THE DOGAMI PERMIT DRAWING THAT SURVEY ONE DID IN 2010.

I FIND THE QUARTER CORNERS OF SECTION 22, AND THE SOUTHERLY CORNER COMMON TO SECTION 21 AND 22, AND INCORPORATE THE EARLIER SURVEY FOR THE PERMITTING MAP. I HOLD THE SOUTH LINE OF SECTION 22, AS THE BASIS OF BEARING FOR THIS SURVEY, MATCHING IT TO COUNTY SURVEY 82-59-B, AND USED A COMBINED SCALE FACTOR OF 0.999955880 FOR GROUND TO GRID RTK GPS TRANSFORMATION, AND A ROTATION OF 0°51'01" CLOCKWISE FROM GRID TO RECORD BEARING BASE.

UMATILLA PLANNING REQUESTED THAT A 15' VISUAL BUFFER BE PLACED ALONG THE EXISTING RIGHT-OF-WAYS, IN THE LEASE AREA, SO THAT LINE OF SIGHT (FOR SAFETY) COULD BE MAINTAINED, AS DEPICTED ON THIS DRAWING.

THIS SURVEY WAS PERFORMED USING A SOKKIA GSR 2700IS RTK GPS SYSTEM, AND A TOPCON PS103A ROBOTIC TOTAL STATION. STANDARD ERROR FOR THE RTK SYSTEM IS 10.0MM + 1 PPM X BASELINE MEASURED, AND THE TOTAL STATION IS +/- (3+2PPM X DISTANCE) IN MILLIMETERS.

I FIND NOTHING OUT OF THE ORDINARY ON THIS SURVEY.

*Robert D. English*  
ROBERT D. ENGLISH, ORPLS43406LS

**RECEIVED BY**

Umatilla County Surveyor  
Date: 5/10/16  
Rec'd By: [Signature]  
No.: 16-057-C

REGISTERED PROFESSIONAL LAND SURVEYOR  
[Signature]  
JANUARY 11, 2005  
ROBERT DOUGLAS ENGLISH  
43306LS  
RENEWAL DATE: 12/31/17

DATE: 03/21/16	DWN. BY: RDE	MINING PERMIT TOPO/BOUNDARY TIES FOR: <b>AMERICAN ROCK PRODUCTS, INC.</b> HERMISTON QUARRY DOGAMI ID#30-0044 HERMISTON, OREGON 97838
SCALE: 1"=300'	CHK. BY: RDE	
JOB NO. 2015-056	REV. DATE: 04/27/16	<b>SURVEY ONE, LLC</b> P.O. BOX 382 PENDLETON OR, 97801 PH:541-276-2055 FAX:541-276-3480
DWG NO. BMAPIT2016R&S.DWG		