

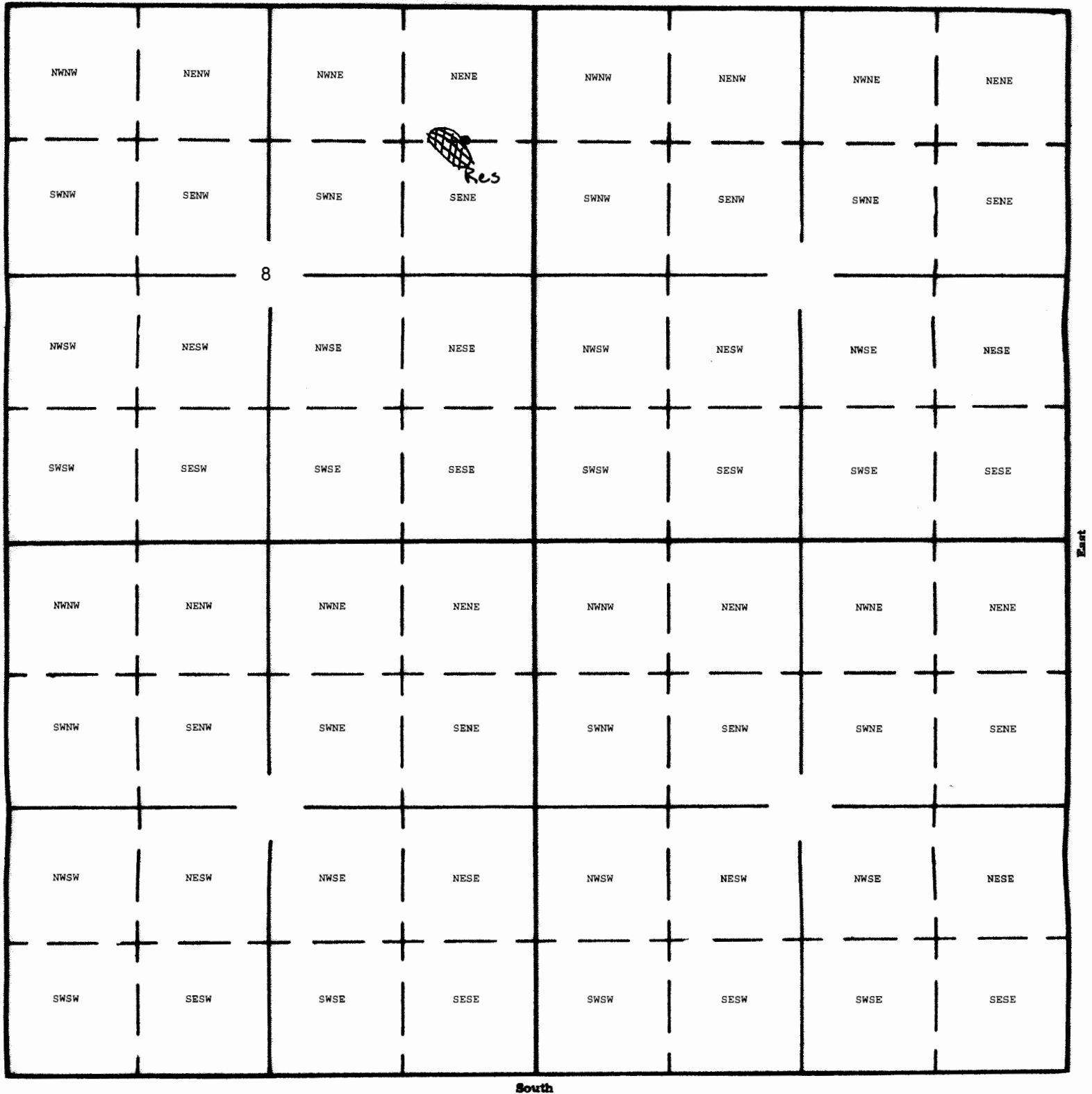
Eldon Metz, Cascade Buffalo Ranch

1" = 1320'

Tax Lot: 300



Township 8 South, Range 1 West, Section 8



Center of Dam: 1320 Feet South and 700 Feet West from the NE Corner Section 8

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3/25/15 MAY 05 2015

R-88000

SALEM, OR

LEGEND

LINE TYPES

- TAX LOT BOUNDARY OLD PROPERTY LINE
- ROAD RIGHT-OF-WAY VACATED RIGHT-OF-WAY
- RAILROAD RAILROAD RIGHT-OF-WAY
- STREAM, LAKE, ETC. STREAM, LAKE, ETC.
- TAX LOT BOUNDARY NON-BOUNDARY
- SUBDIVISION BOUNDARY PARTITION PLAT BDY.
- TAX CODE BOUNDARY EASEMENT

SYMBOL TYPES

- D.L.C. (C)
- CONTROL POINTS (▲)
- SURVEY MONUMENTS (•)
- G.L.D. CORNERS
- SECTION 1/4 SEC 1/16 SEC
- (⊕) (+)

NUMBERS

TAX CODE NO.
000 00 00 0

ACREAGE - ALL ACREAGES EXCLUDE ANY PORTION THAT MAY LIE WITHIN THE INDICATED PUBLIC RIGHT OF WAYS.

TICK MARKS - WHEN A TICK MARK IS INDICATED ON THE EXTENSION OF A LINE, THEN THE DIMENSION GOES TO THE TICK MARK. GENERALLY THIS IS USED WHEN DIMENSIONS GO INTO PUBLIC RIGHT OF WAYS.

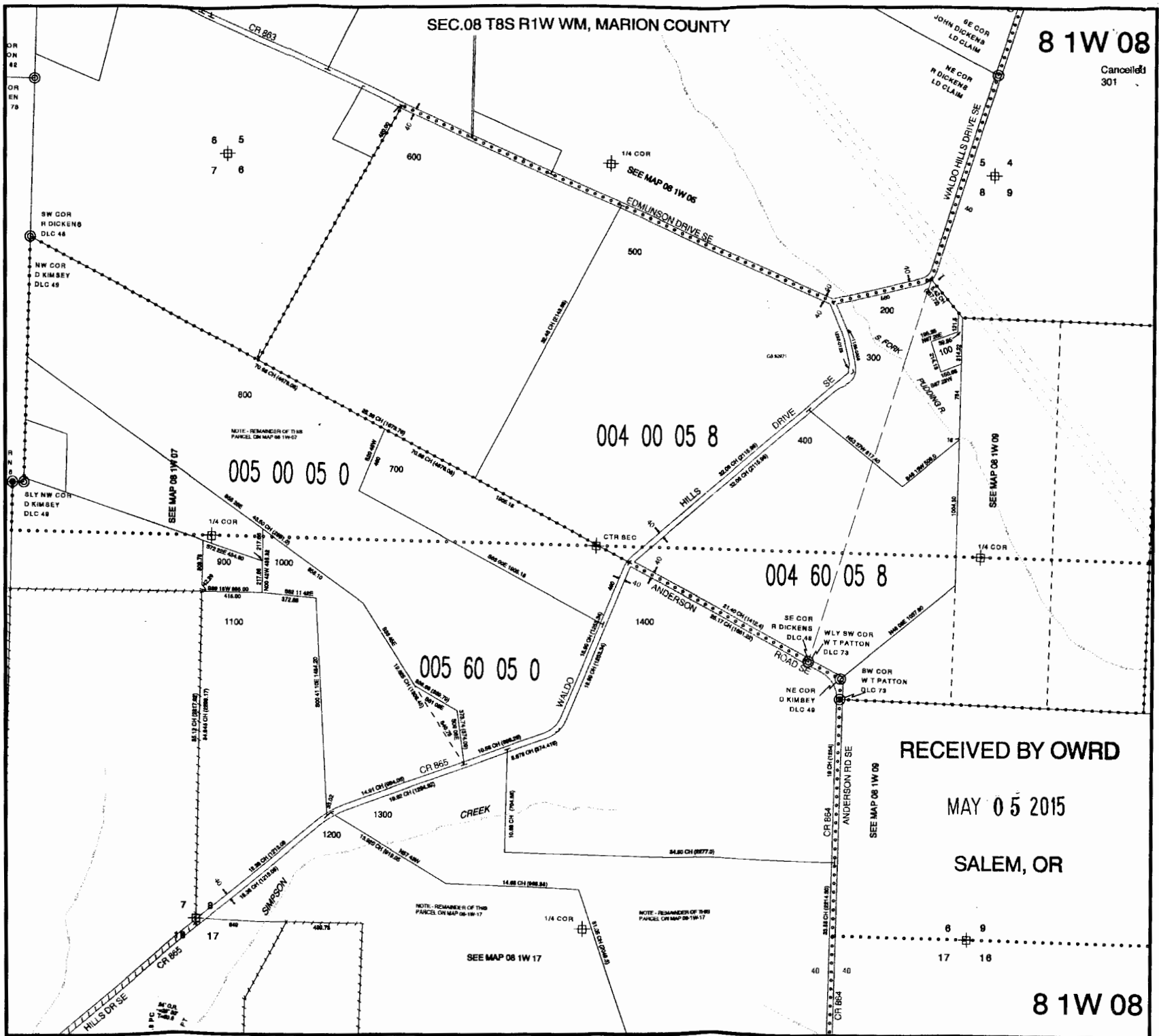
ARROWS ARE USED WITH DIMENSIONS IN AREAS OF GREATER COMPLEXITY.

NOTICE: This map was created for Assessor's Office use ONLY.

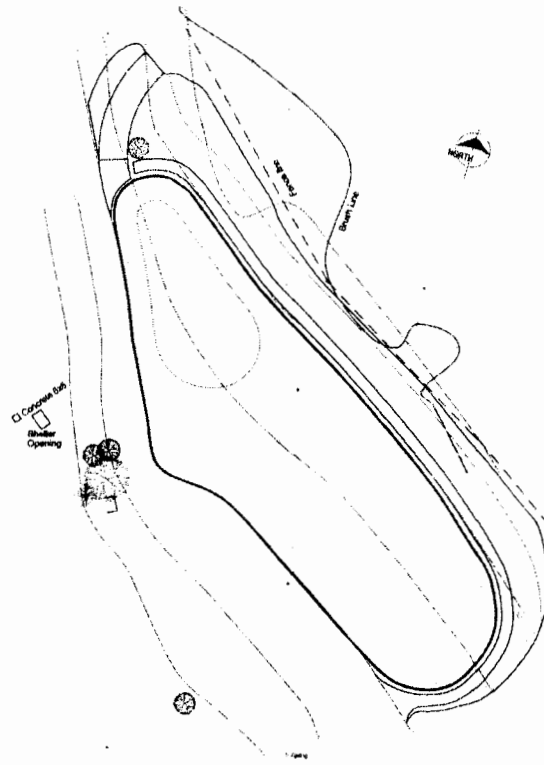


SCALE 1" = 400'
OF 1:4800

Plot file created: October 30, 2009
AsImage081W08.Mxd



Pond Design for the Eldon Metz Family



Pond Details:

Elevation of the top of the dam- 100.00'
 Elevation of the bottom of the dam-90.00'

Maximum water depth- 14'
 Minimum water depth at the south/east end- 6'
 Water surface area- 43,448 square feet
 Water storage capacity: 3.72 acre feet or 1,214,243 gallons
 Volume Calculations are based of the following formula:

$$V(\text{cubic yards}) = \frac{(A+4B+C)}{6} \times \frac{D}{27}$$

A=Water Surface Area= 43,448 sf
 B=Area mid point of depth (1/2D)=16,424 sf
 C=Area at bottom of pond=2175 sf
 D=Average depth of pond=8.75'
 27=Factor for converting cubic feet to cubic yards.
 0.00061963= Factor for converting cubic yards to acre feet.
 201.97=Factor for converting cubic yards to gallons.

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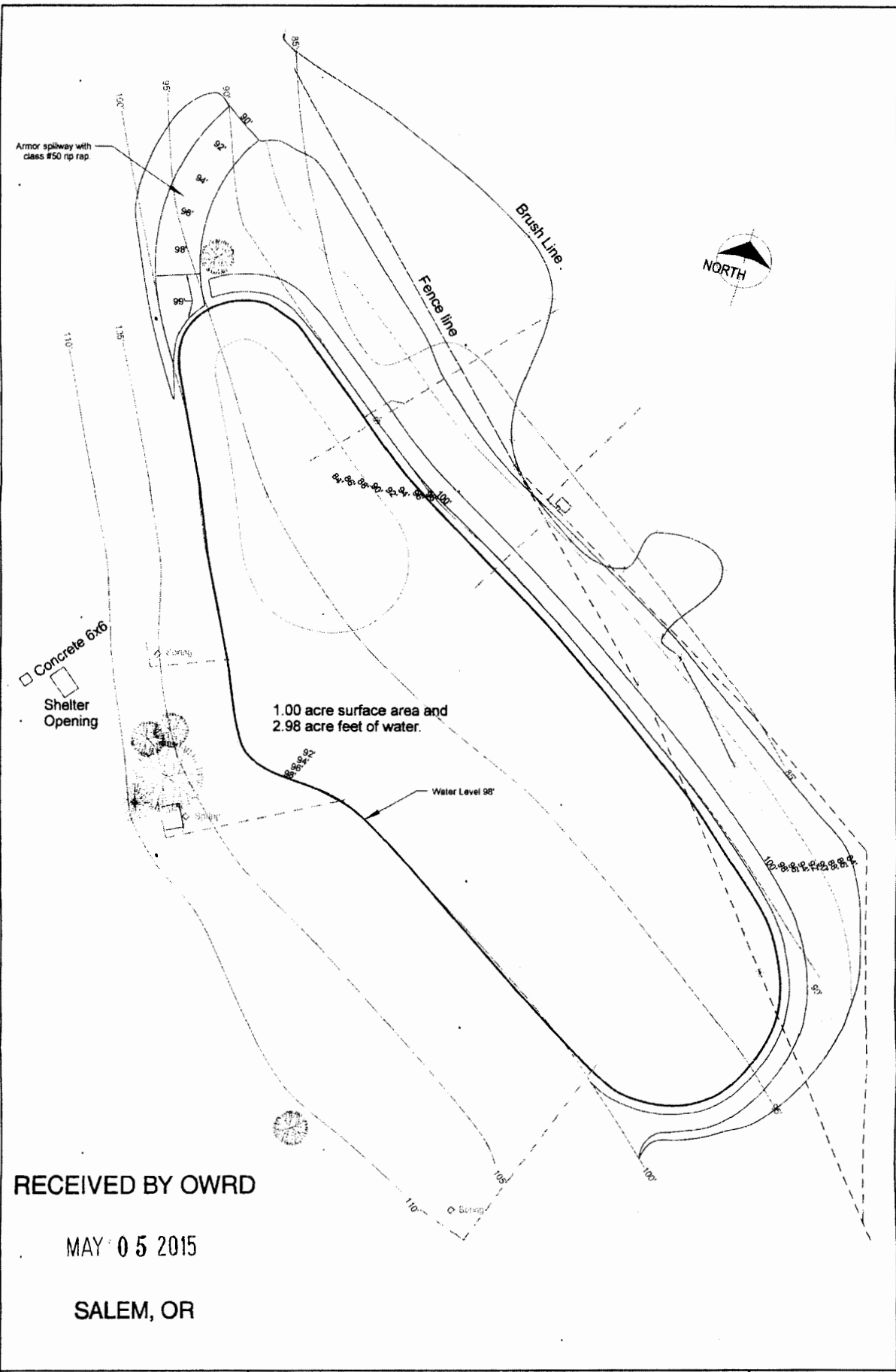
Notes:

All elevations noted in this plan are assumed and are relative only to this site layout and job.

All slopes are assumed to be 2:1 or flatter with the exception of the spillway.

Zollinger Excavating, Inc. P.O. Box 938 Silverton, OR 97381 Phone / Fax- 503-873-8927 CCB# 92039 DEQ# 36749	Site Address: 11320 Waldo Hills Dr. SE Salem, OR 97317	Scale: 1" = 50'
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R-88000

SITE PLAN

Borrower or Owner Metz
Property Address 11320 Waldo Hills Dr. S.E.
City Salem County Marion State OR Zip Code 97301
Lender or Client Landmark Mortgage Co.

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MAY 06 2015

WATER RESOURCES DEPT
SALEM, OREGON

