



## OREGON DEPARTMENT OF TRANSPORTATION RIGHT OF WAY ENGINEERING TRAINING



READING AND INTERPRETING RIGHT OF WAY MAPS



## ODOT'S RW MAPS ARE LOCATED AT THE MAPS AND PLANS WEBSITE

The screenshot displays the Oregon Department of Transportation website. The browser address bar shows the URL <https://www.oregon.gov/ODOT/ETA/Pages/index.aspx>. The navigation menu includes: OREGON.GOV, ODOT Home, Programs, Planning & Technical Guidance, Drivers & Vehicles, Doing Business, Data & Maps, Local Governments, Get Involved, and About Us. The main banner features the Engineering Automation logo and a background image of a bridge at night. Below the banner are three content blocks:

- Tools and Resources**
  - Manuals
  - Maps & Plans
  - ODOT TransGIS
- Surveying**
  - ORGN GPS Network
  - Coordinate Reference System
  - Benchmark Retrieval
  - Right of Way Engineering
  - Mobile LiDAR
- Engineering Technology**
  - 3D Design
  - e-Construction
  - Subsurface Utility Engineering
  - Automated Machine Guidance

Below these blocks are two buttons: **Forms** and **Training**. At the bottom of the page, there is a feedback section: "Help us improve! Was this page helpful?" with "Yes" and "No" buttons. The footer contains four columns: Links (ADA Reports and Requests, Nondiscrimination and Equal Access), Social Media (Like us on Facebook, Follow us on Twitter), Contact Us (Oregon Department of Transportation, 355 Capitol Street NE, MS 11, Salem, OR, 97301-3871 USA, Media Contacts, Agency Contacts), and About Oregon (Oregon.gov, State Directories, Agencies Listing).

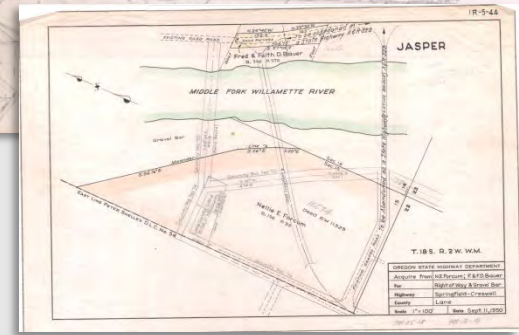


<https://ecmnet.odot.state.or.us/mapcenter>

Home  
RW Map Search  
Contract Plans Search  
Help

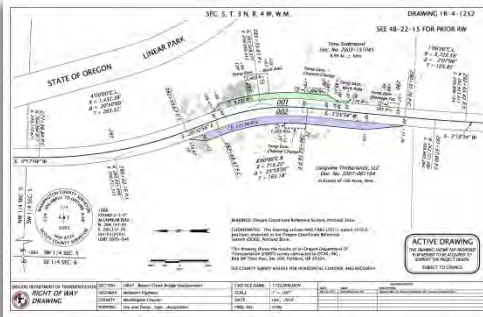
Pioneer Mt. - Eddyville Project

For support, please contact [MapsandPlans@odot.state.or.us](mailto:MapsandPlans@odot.state.or.us)



Over the years, ODOT maps and drawings have gone from being hand drafted on waxed linen...

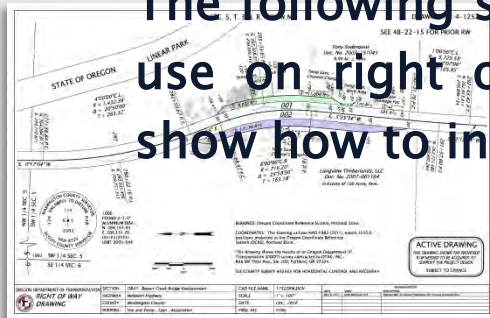
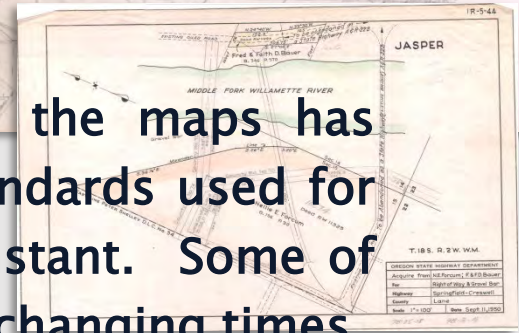
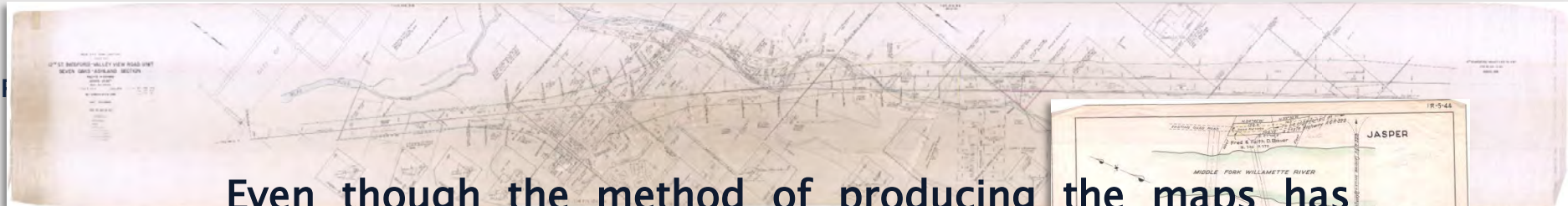
To being produced electronically by Computer...





Even though the method of producing the maps has changed over the years, the drafting standards used for these drawings have remained fairly constant. Some of the standards have evolved though to fit changing times.

The following slides will review the drafting standards in use on right of way maps today and historically, and show how to interpret those maps.







## READING AND INTERPRETING RIGHT OF WAY MAPS

*S. 27° 22' 54" E. [☒ Text]*

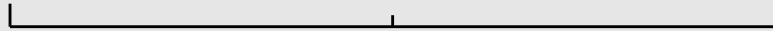


*N. 317,312.479 [Coordinate Text]  
E. 7,523,552.848*

----- *[PI Reference]*

Primary Center Line

*S. 27° 22' 54" E. [☒ Text]*



*N. 317,312.479 [Coordinate Text]  
E. 7,523,552.848*

----- *[PI Reference]*

Secondary Center Line



Jurisdictional Transfer Center Line

The Primary Center Line is used to display the main alignment of the project. There will be only one main center line alignment per project, all other center lines are secondary.

Additional center lines needed to describe property being acquired will be shown as secondary center lines.

The Jurisdictional Transfer center line is used for Jurisdictional Transfer exhibits produced by the headquarters staff. This center line is also used for Survey Approval maps.



## READING AND INTERPRETING RIGHT OF WAY MAPS

*Existing Right Of Way And Property Lines*

---

*Existing Subdivision Lot Line*

---

*Existing Access Control Line*

---

*Existing Railroad R/W Line*

---

Existing Right of Way and Property lines are shown with a lighter weight than corresponding taking lines. The right of way drawing emphasizes what is being purchased rather than what is existing.

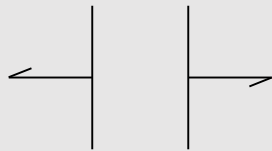




## READING AND INTERPRETING RIGHT OF WAY MAPS

*John Q. Public*  
123-456

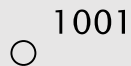
Ownership text showing the Grantor's name as it appears on the deed and the recorded deed reference.



Property hooks showing common ownership on each side of a road, river, adjoining property, etc.



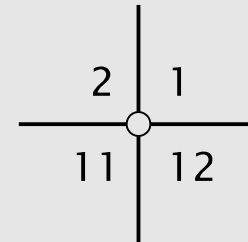
Property hook showing common ownership across a deed boundary.



Property corners, highway monuments, DLC corners, Quarter or Sixteenth Section corners.



GPS points

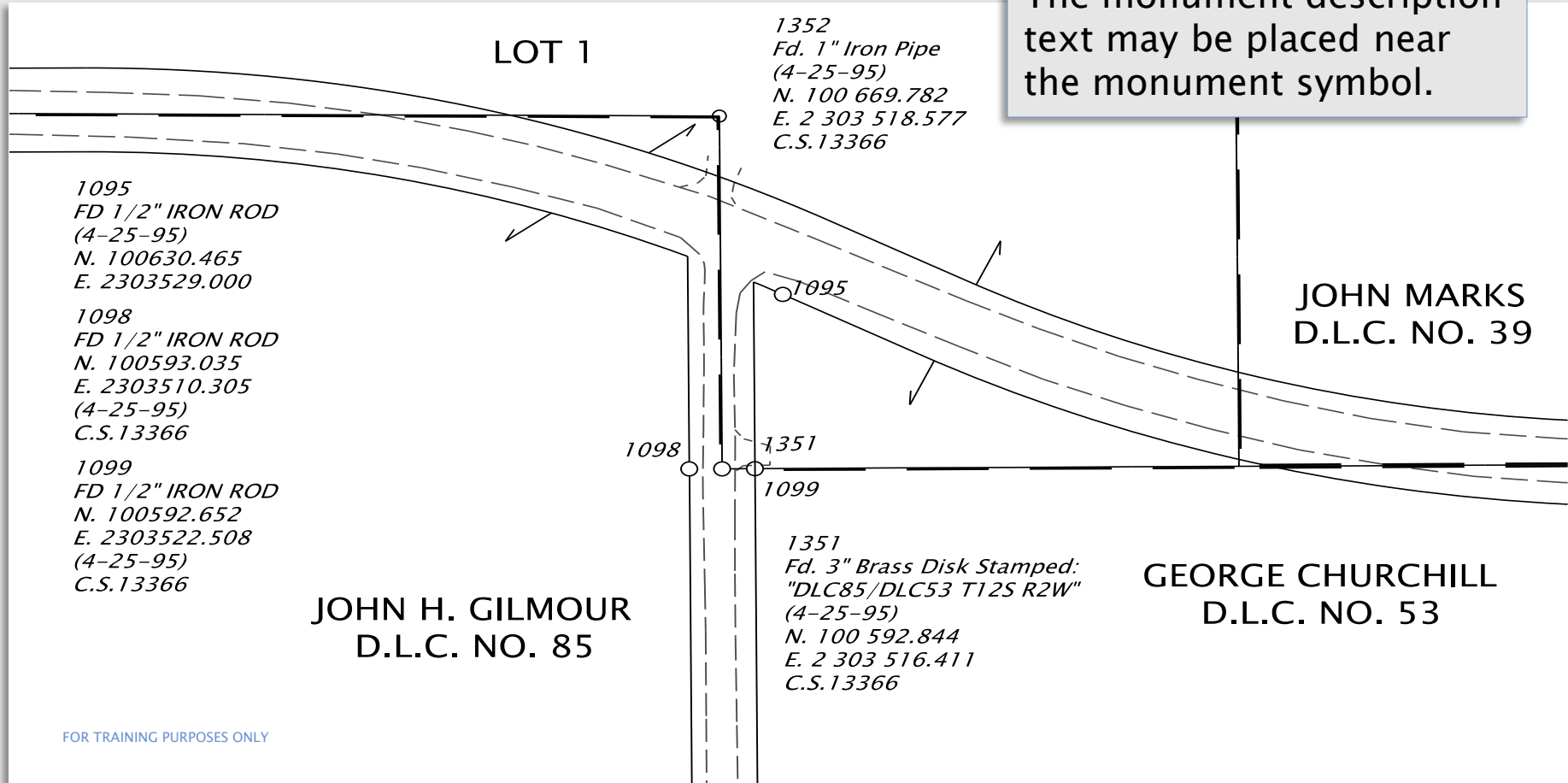


Section corners



## READING AND INTERPRETING RIGHT OF WAY MAPS

The monument description text may be placed near the monument symbol.



FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS

1095  
 FD 1/2" IRON ROD  
 (4-25-95)  
 N. 100630.465  
 E. 2303529.000

1098  
 FD 1/2" IRON ROD  
 N. 100593.035  
 E. 2303510.305  
 (4-25-95)  
 C.S.13366

1099  
 FD 1/2" IRON ROD  
 N. 100592.652  
 E. 2303522.508  
 (4-25-95)  
 C.S.13366

1351  
 Fd. 3" Brass Disk Stamped:  
 "DLC85/DLC53 T12S R2W"  
 (4-25-95)  
 N. 100 592.844  
 E. 2 303 516.411  
 C.S.13366

1352  
 Fd. 1" Iron Pipe  
 (4-25-95)  
 N. 100 669.782  
 E. 2 303 518.577  
 C.S.13366

1353  
 FD 1/2" IRON ROD W/4X4 POST  
 N. 100596.853  
 E. 2303691.936  
 (4-25-95)  
 C.S.14548

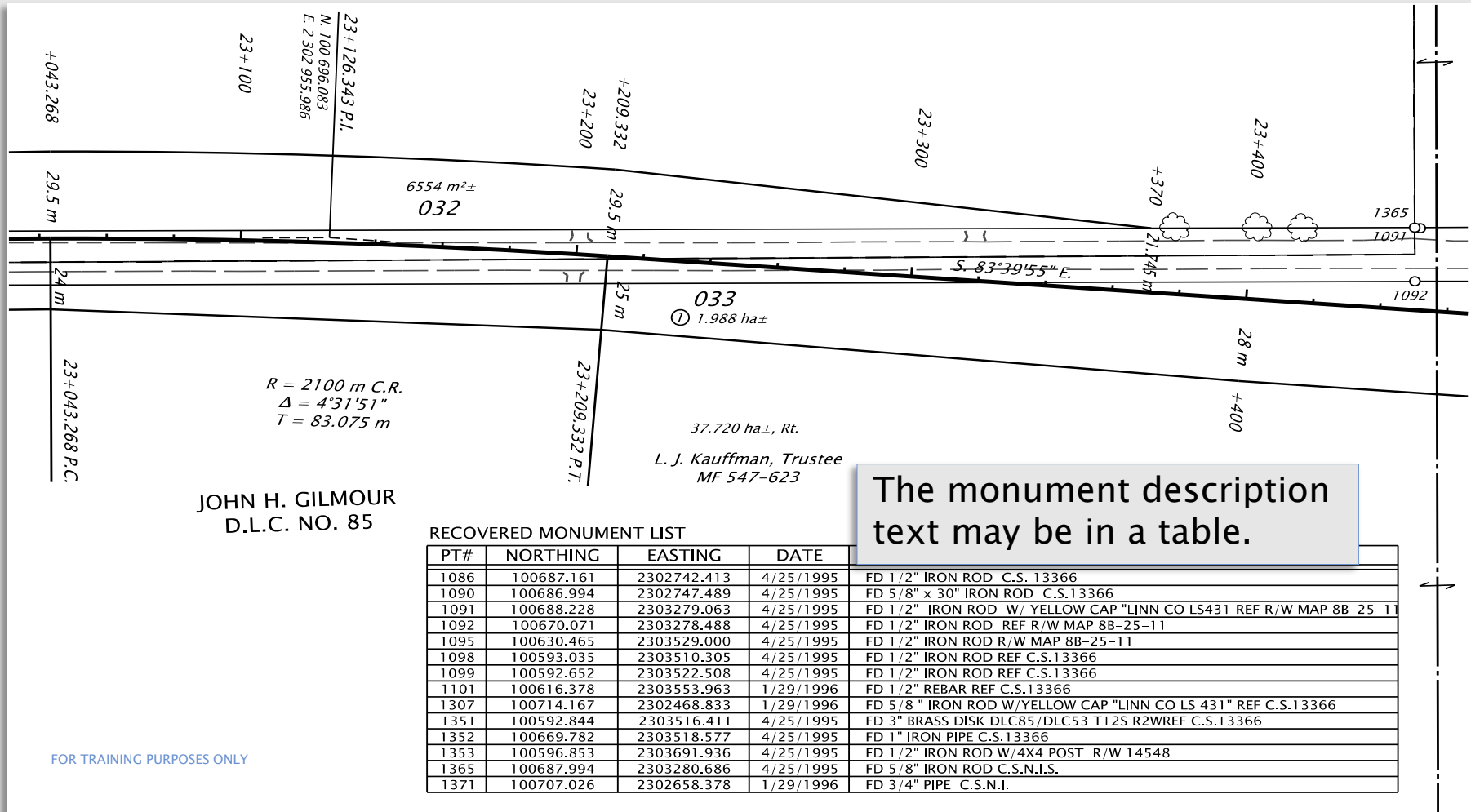
SEC. 7, T. 12 S., R. 2 W., W.M.  
 DRG. NO. 10B-10-10  
 PROJECT NO. 6295

The monument description text may be grouped together and placed in one area along the map, such as the top or bottom border.

SEE 8B-25-11 FOR PRIOR RW



## READING AND INTERPRETING RIGHT OF WAY MAPS



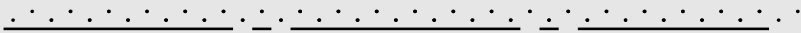
The monument description text may be in a table.

FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS

SALEM CITY LIMITS



*CITY DOT PATTERN*



The dot pattern is used by itself when the city limits falls along another boundary line such as a DLC, or Section line. The dot pattern is placed on the city side of the line.

*EXAMPLE OF DOT PATTERN WHEN CITY LIMITS FALLS ALONG A DLC LINE*



MARION COUNTY



LINN COUNTY

OREGON



CALIFORNIA



## READING AND INTERPRETING RIGHT OF WAY MAPS

JOHN ADAMS  
D.L.C. NO. 37



LOT 1

Donation Land Claim Line with  
Government Lot abutting the claim

JOHN ADAMS  
D.L.C. NO. 37



JOE SMITH  
D.L.C. NO. 38

Donation Land Claim Line with claims  
abutting on each side of line

The short dash on the D.L.C. line is placed  
on the land claim side of the line



## READING AND INTERPRETING RIGHT OF WAY MAPS

T. 1 S., R. 1 W., W.M.

T. 2 S., R. 1 W., W.M.

Township Line

SECTION 1

SECTION 6

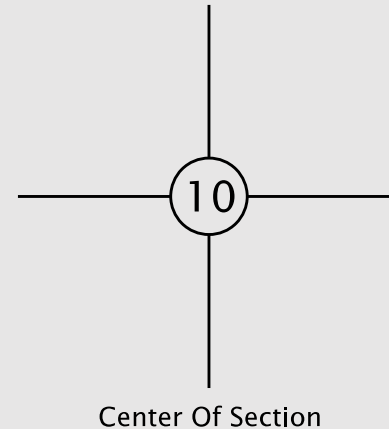
Section Line

Quarter Section Line

LOT 1

LOT 2

Sixteenth Section/Government Lot Line





## ENGLISH ALIGNMENT

755+00

757+27.73 P.I.  
N. 330367.740  
E. 7555629.790

760+00

S 86°11'46" E

STATIONING FACES THE DIRECTION THAT THE ALIGNMENT IS INCREASING

S 83°39'55" E

1°00'00" C.R.  
Δ = 2°31'51"  
T = 126.56'

756+01.17 P.C.

758+54.25 P.T.

STATIONING IS TWO DIGITS TO THE RIGHT OF THE "+"  
STATION TICS ARE SPACED 100 FEET APART WITH 500 FOOT SPACING BETWEEN MAJOR TICS  
COORDINATES USUALLY ARE EXPRESSED TO THE THOUSANDS OF A FOOT





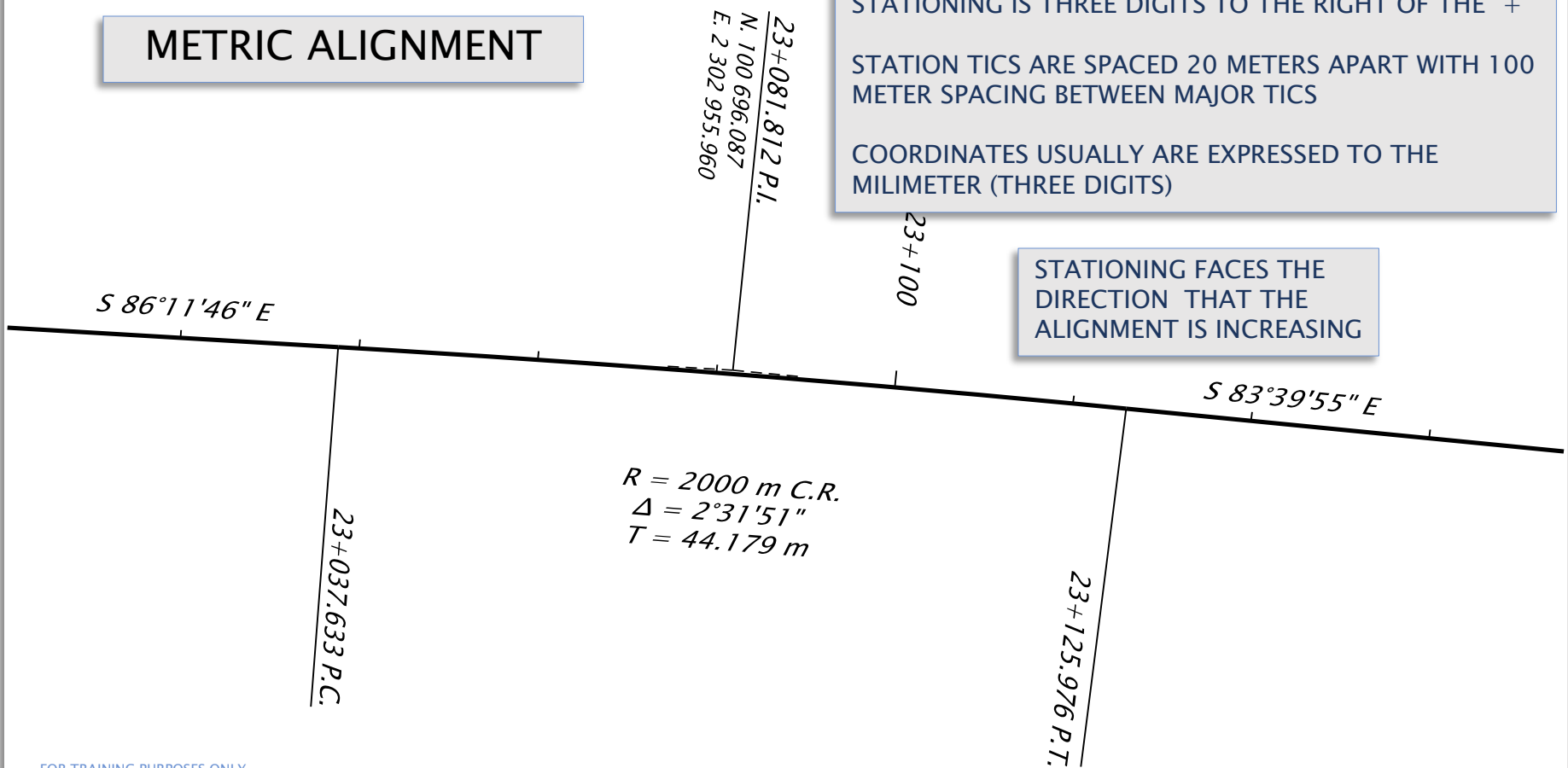
## METRIC ALIGNMENT

STATIONING IS THREE DIGITS TO THE RIGHT OF THE "+"

STATION TICS ARE SPACED 20 METERS APART WITH 100 METER SPACING BETWEEN MAJOR TICS

COORDINATES USUALLY ARE EXPRESSED TO THE MILIMETER (THREE DIGITS)

STATIONING FACES THE DIRECTION THAT THE ALIGNMENT IS INCREASING



FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS

The current method of showing alignments on ODOT drawings is for the stationing to increase from left to right and the station text to face the direction that the alignment runs.

ODOT standard for alignments is for stations to increase North to South, and West to East.

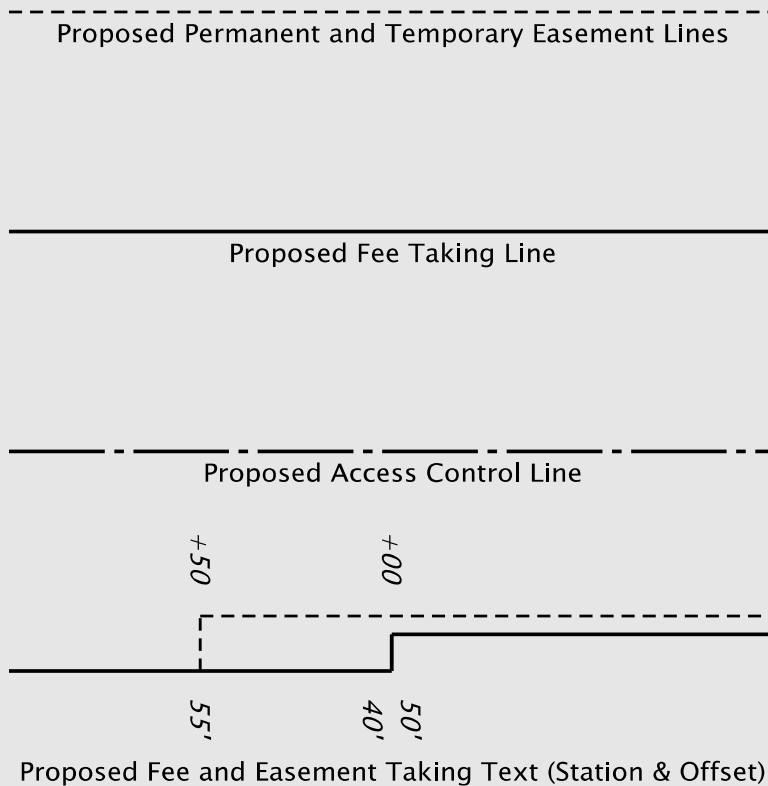
However, some alignments do not follow this rule.

Stationing for English alignments is shown to the hundredth of a foot. Coordinates are shown to three decimal places.

Metric stationing is shown to the millimeter. Coordinates are shown to four decimal places



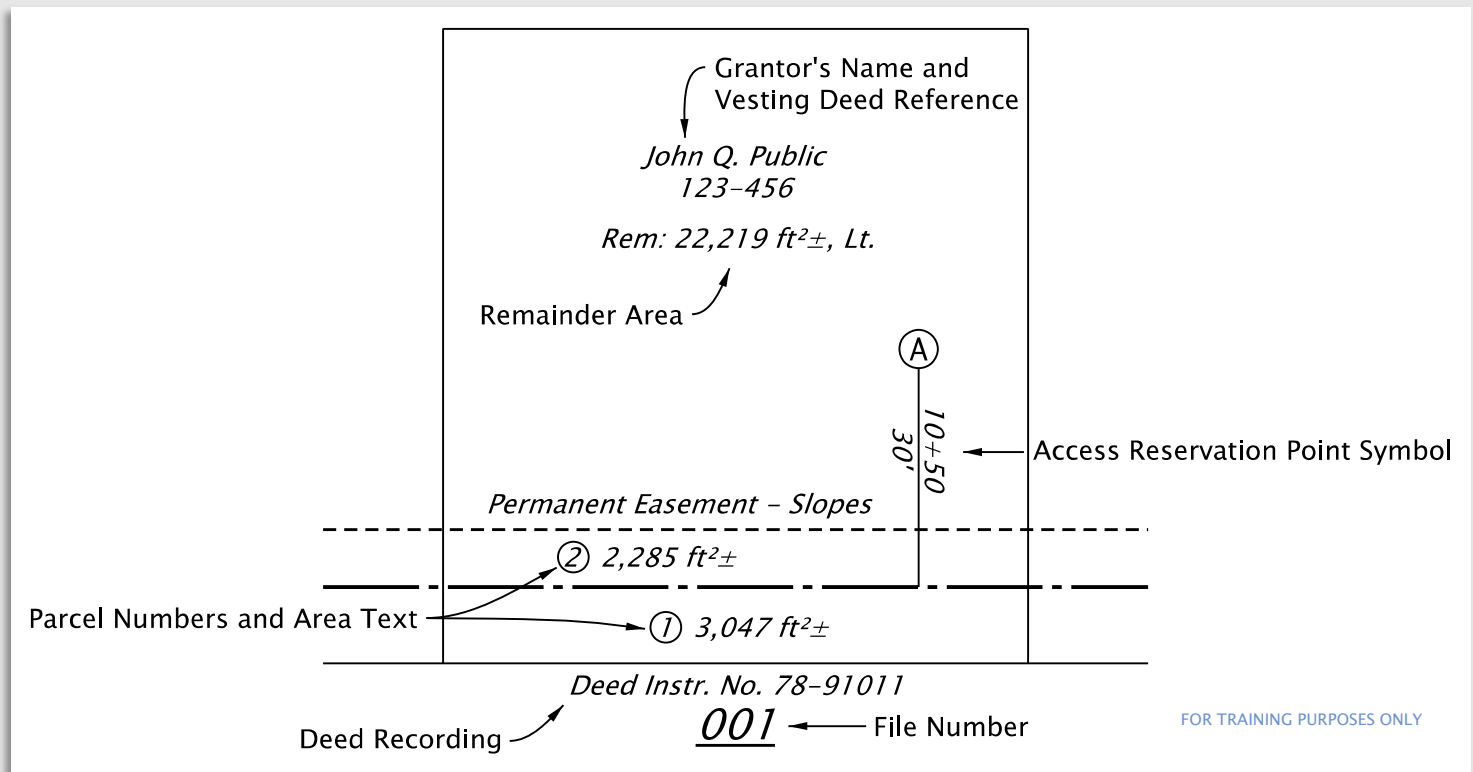
## READING AND INTERPRETING RIGHT OF WAY MAPS



Proposed taking lines are shown with a greater weight than corresponding existing lines. The right of way drawing emphasizes what is being purchased rather than what is existing.

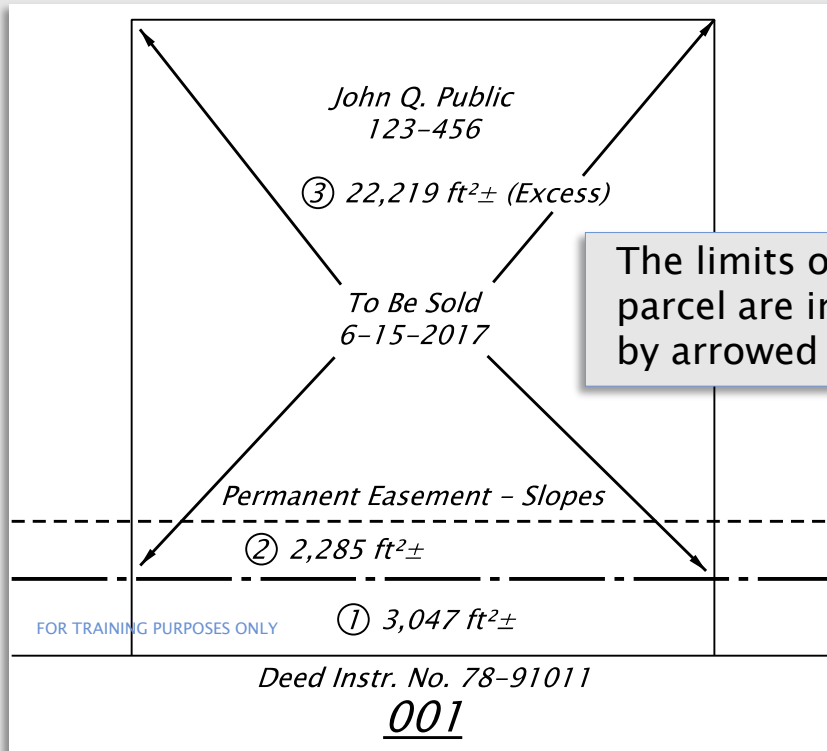


## READING AND INTERPRETING RIGHT OF WAY MAPS

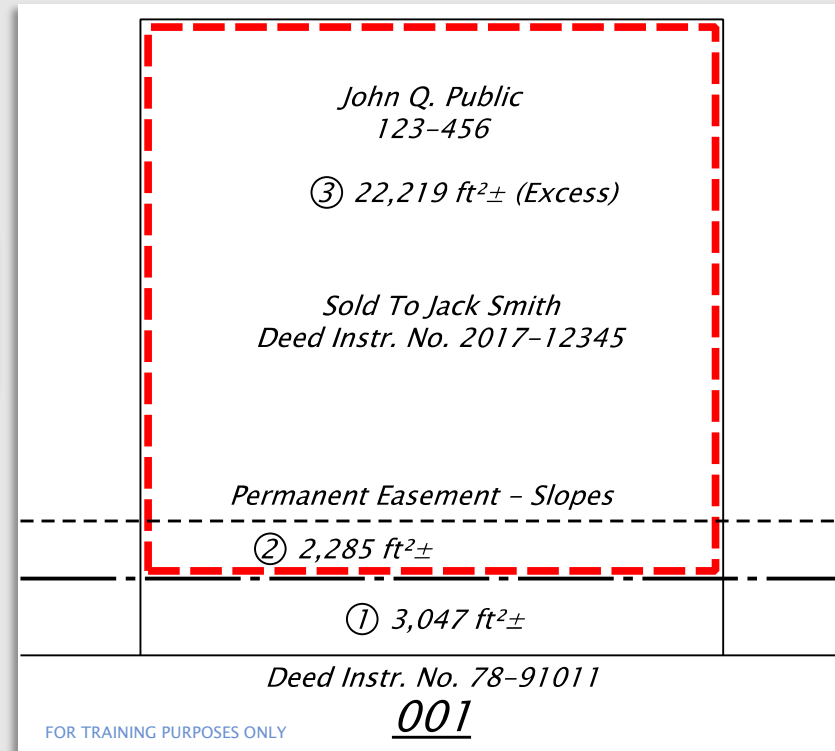




## READING AND INTERPRETING RIGHT OF WAY MAPS



The limits of the sale parcel are indicated by arrowed lines



When ODOT surplus property is proposed for a sale, a description is written and the text “To Be Sold” is drafted on the map with the date of the description, indicating that the sale is in progress. Many proposed sales though are never concluded for various reasons.

When the sale is concluded, the Grantee’s name and recorded deed information is placed on the map, along with the heavy dashed line indicating the sale boundary.



## READING AND INTERPRETING RIGHT OF WAY MAPS

Underground Cable TV Line



Above Ground Cable TV Line



Underground Fiber Optic Line



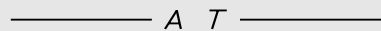
Above Ground Fiber Optic Line



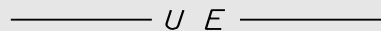
Underground Telephone Line



Above Ground Telephone Line



Underground Electric Line



Above Ground Electric Line



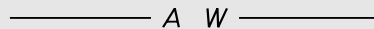
Gas Line



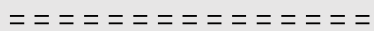
Underground Water Line



Above Ground Water Line



Underground Pipe Line



Power Pole



Joint Use Pole



Telephone Pole



Pole Anchor



Wood Pole



Steel Pole



BPA Power Pole



Luminaire



Valve



Meter



Manhole



Riser



Cleanout



Utility Pothole



Junction Box



Fire Hydrant



Inlet



Gas Vent



Well



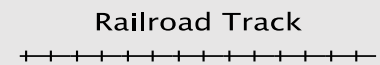
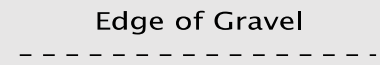
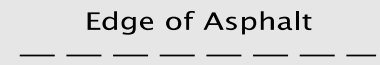
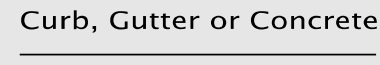
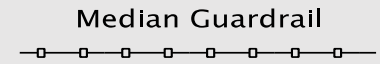
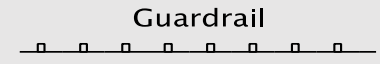
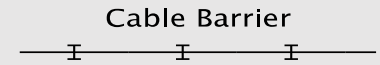
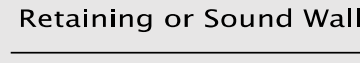
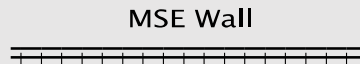
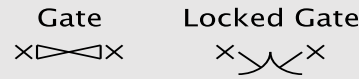
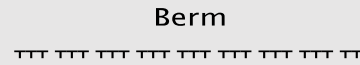
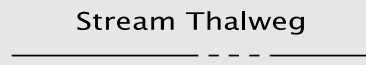
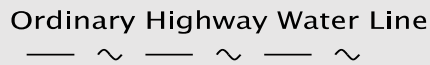
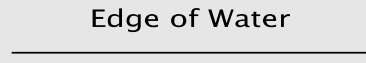
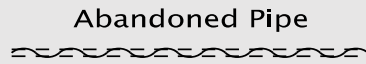
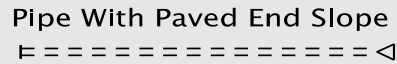
Sign



## COMMON UTILITY LINES AND SYMBOLS



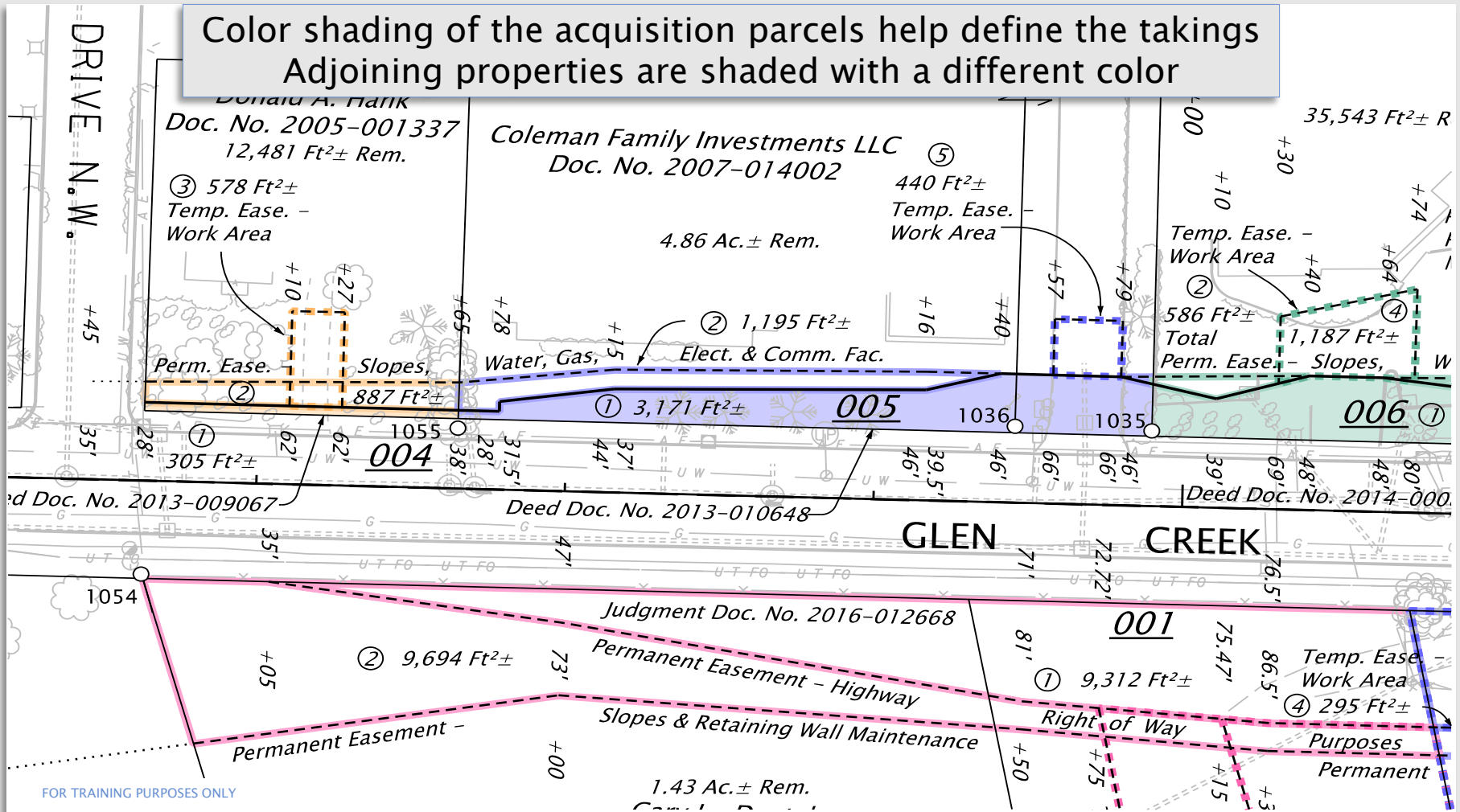
## READING AND INTERPRETING RIGHT OF WAY MAPS



## COMMON TOPOGRAPHY FEATURES



Color shading of the acquisition parcels help define the takings  
 Adjoining properties are shaded with a different color



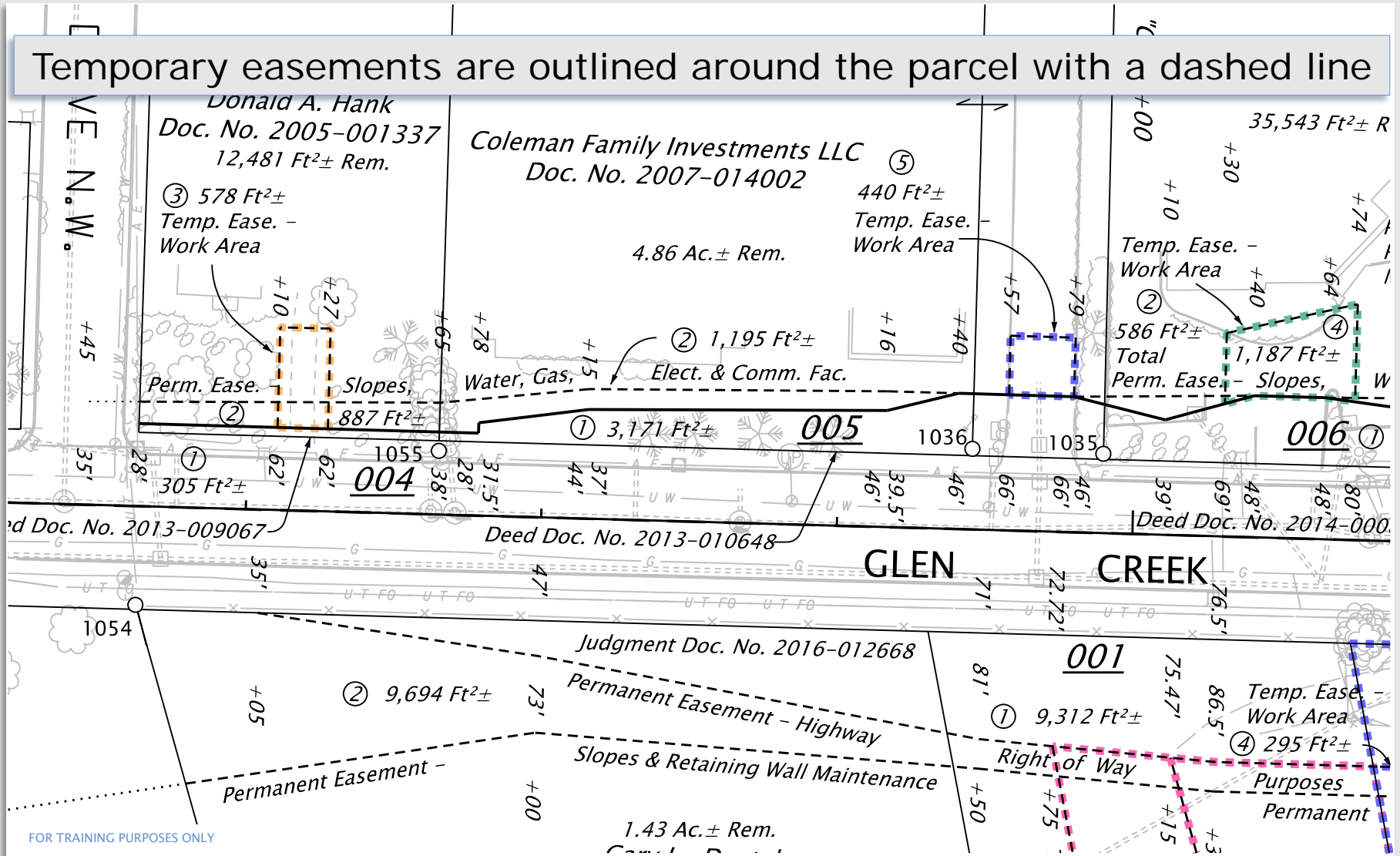








Temporary easements are outlined around the parcel with a dashed line



FOR TRAINING PURPOSES ONLY

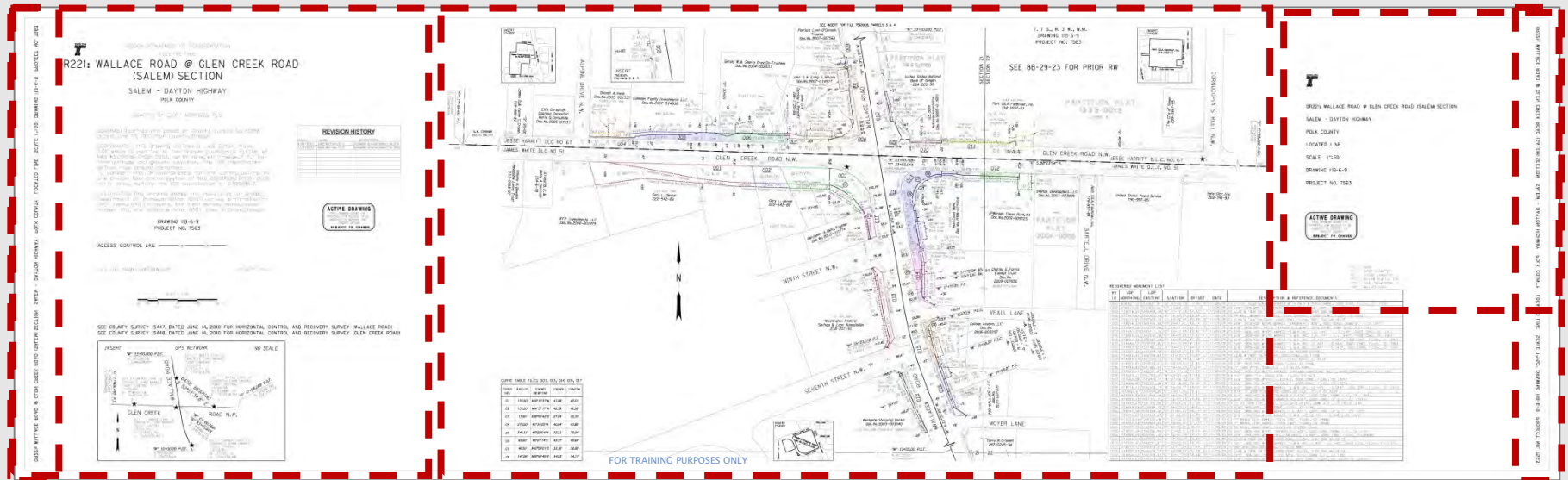


## MODERN RIGHT OF WAY MAP

### FRONT TITLE AREA

### MAP BODY

### END TITLE AREA



### MIRROR TITLE TEXT

### MIRROR TITLE TEXT



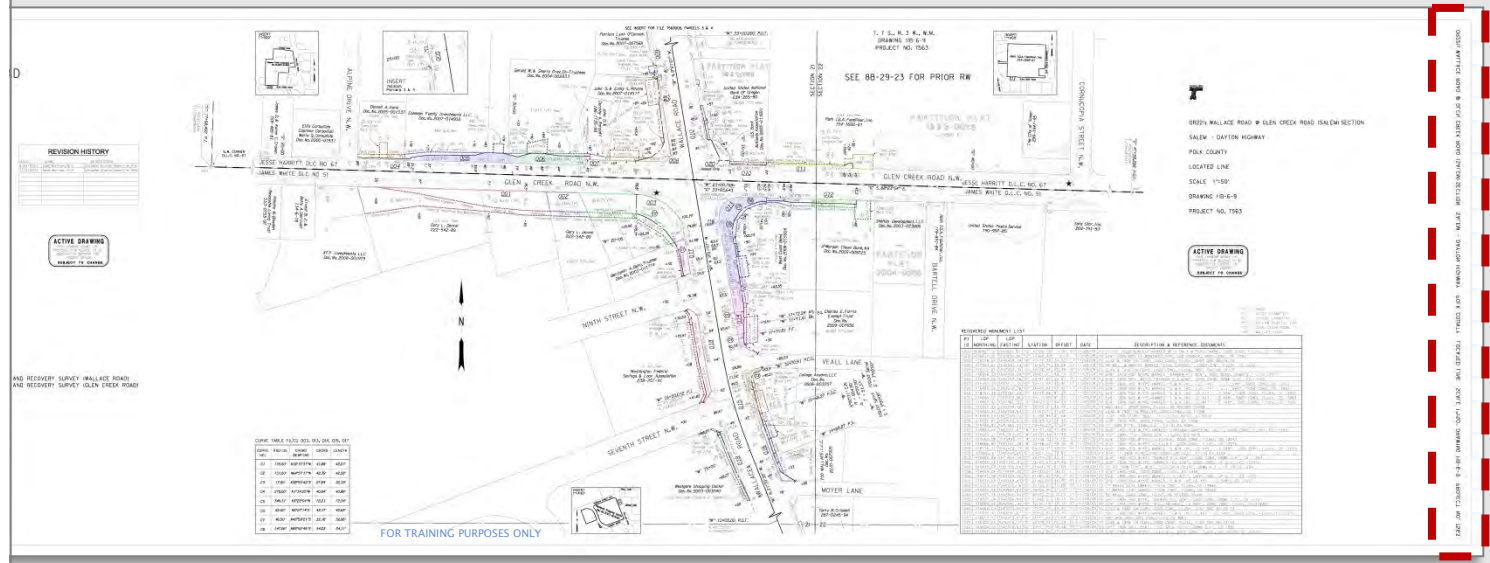
SECTION 221: WALLACE ROAD HIGHWAY BOYK COUNTY LOCATED LINE SCALE 1"=50'

SECTION 221: WALLACE ROAD HIGHWAY BOYK COUNTY LOCATED LINE SCALE 1"=50'

REVISION HISTORY

ACTIVE DRAWING

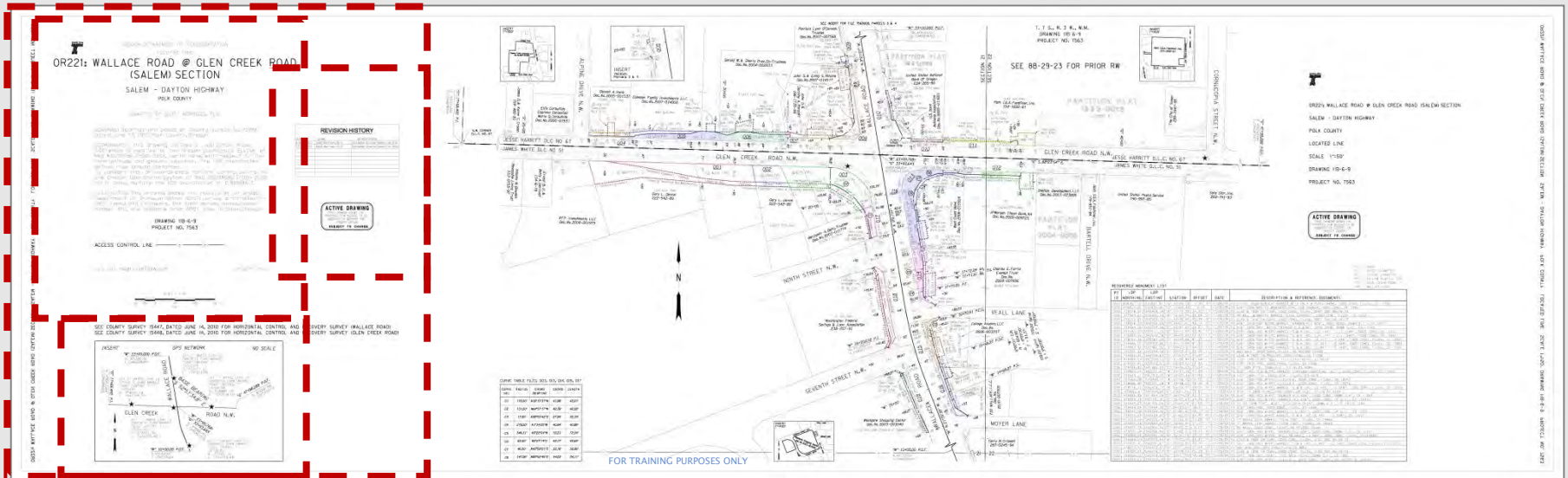
FOR TRAINING PURPOSES ONLY



Until recently, mirrored titles were placed at each end of the map allowing a mylar copy to be easily identified when rolled up. Mirrored end titles have been discontinued as official hard copies of the map are no longer plotted.

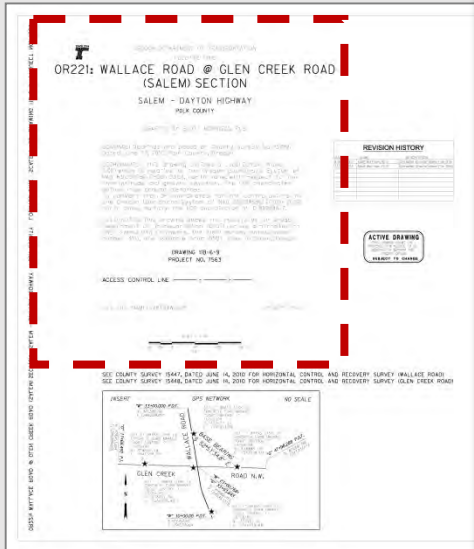


## FRONT TITLE AREA





## FRONT TITLE AREA



OREGON DEPARTMENT OF TRANSPORTATION

Located Line

# OR221: WALLACE ROAD @ GLEN CREEK ROAD (SALEM) SECTION

## SALEM – DAYTON HIGHWAY

POLK COUNTY

DRAFTED BY SCOTT MORRISON, PLS

BEARINGS: Bearings are based on County Survey No. 15448,  
Dated June 14, 2010, Polk County, Oregon

COORDINATES: This drawing utilizes a Local Datum Plane (LDP)  
which is relative to the Oregon Coordinate System of NAD  
83(CORS96) EPOCH 2002, north zone, with respect to the local  
latitude and ground elevation. The LDP coordinates define true  
ground distances.

To convert the LDP coordinates, for the control points, to the  
Oregon Coordinate System of NAD 83(CORS96) EPOCH 2002,  
north zone, multiply the LDP coordinates by 0.99989422.

FIELD NOTES: This drawing shows the results of an Oregon  
Department Of Transportation (ODOT) survey contracted to  
OBEC consulting Engineers. The field survey notes, book number  
4511, are available from ODOT files in Salem, Oregon.

DRAWING 11B-6-9

PROJECT NO. 7563

ACCESS CONTROL LINE

CAD FILE NAME: 14870RW.DGN

10-MAY-2017

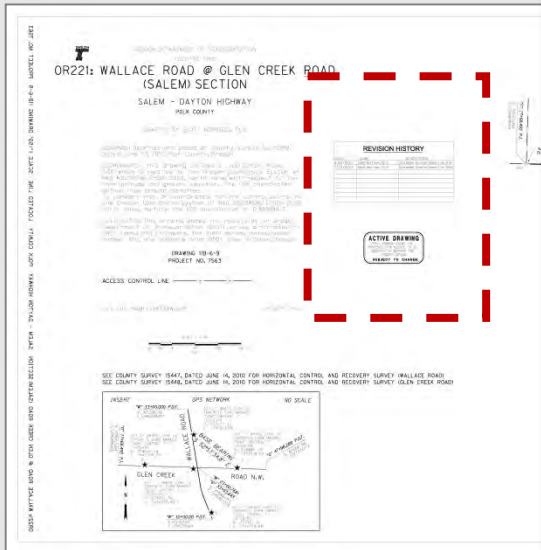


DATE: 05/10/2017 10:48:00 AM DRAWING: 11B-6-9 PROJECT: 7563 USER: SCOTT MORRISON PLS



## READING AND INTERPRETING RIGHT OF WAY MAPS

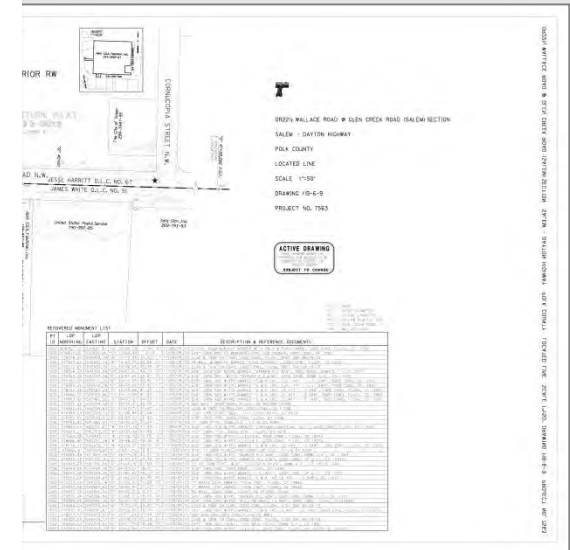
### FRONT TITLE AREA



### REVISION HISTORY

DATE	NAME	DESCRIPTION
9/29/2011	Scott Morrison, PLS	Corrected Grantor Name File 016
11/3/2011	Scott Morrison, PLS	Corrected Grantor Name File 006
04/17/2012	Scott Morrison, PLS	Revision Files 002 & 003
05/03/2012	Scott Morrison, PLS	Revision Files 001 & 002
06/27/2012	Scott Morrison, PLS	Revision File 009
08/28/2012	Scott Morrison, PLS	New Files 7563021, 022, & 023
10/08/2012	Scott Morrison, PLS	Revision to File 7563016
11/28/2012	Scott Morrison, PLS	Grantor Name Chage File 008
2/14/2013	Scott Morrison, PLS	Revision File 017
7/20/2015	Jonathan Cook, PLS	Added Deed Recording Text
11/21/2016	Jonathan Cook, PLS	Added Deed Recording Text

**RIGHT OF WAY**  
THE R/W SHOWN ON THIS DRAWING WAS ACQUIRED THROUGH THE CONVEYANCE DOCUMENTS LISTED, BUT MAY BE SUBJECT TO CHANGE DUE TO FUTURE ACQUISITIONS OR SALES  
**DRAWING**







**PRELIMINARY  
DRAWING**  
*THE R/W NECESSARY TO SUPPORT  
THE PROJECT DESIGN HAS NOT BEEN  
FULLY DETERMINED  
SUBJECT TO CHANGE*

ODOT RW maps are living documents so no Professional stamps are affixed.

The Preliminary Drawing Stamp Is Used Before The Map Is Published

**ACTIVE DRAWING**  
*THIS DRAWING SHOWS THE PROPOSED  
R/W NEEDED TO BE ACQUIRED TO  
SUPPORT THE PROJECT DESIGN  
SUBJECT TO CHANGE*

Active Drawing Stamp Is Used After The Map Is First Published And Files Sent To R/W Headquarters

**RIGHT OF WAY  
DRAWING**  
*THE R/W SHOWN ON THIS DRAWING WAS  
ACQUIRED THROUGH THE CONVEYANCE  
DOCUMENTS LISTED, BUT MAY BE SUBJECT  
TO CHANGE DUE TO FUTURE  
ACQUISITIONS OR SALES*

The Final Right Of Way Drawing Stamp Is Placed On The Map When The Project Is Complete, All Properties Acquired And The Acquisition Deed Reference Numbers Drafted

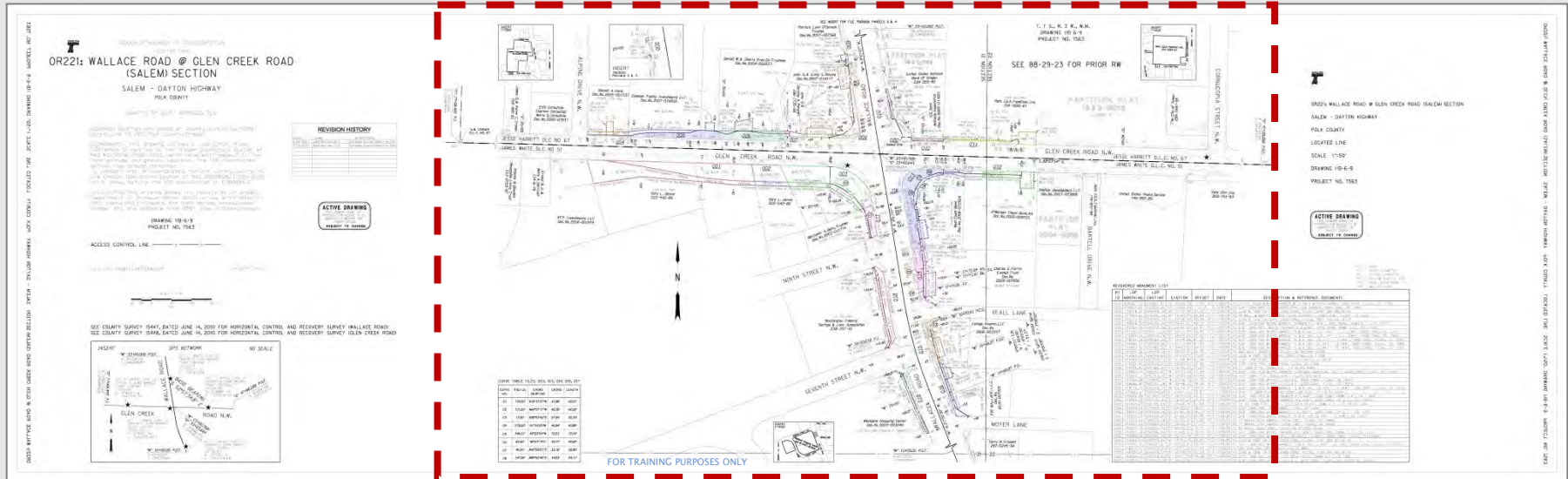




## READING AND INTERPRETING RIGHT OF WAY MAPS

### MODERN RIGHT OF WAY MAP

#### MAP BODY





## READING AND INTERPRETING RIGHT OF WAY MAPS

MAP BODY

OR221: WALLACE ROAD @ GLEN CREEK ROAD (S&I FM) SECTION

T. 7 S., R. 3 W., W.M.  
DRAWING 11B-6-9  
PROJECT NO. 7563

SEE 8B-29-23 FOR PRIOR RW

FOR TRAINING PURPOSES ONLY

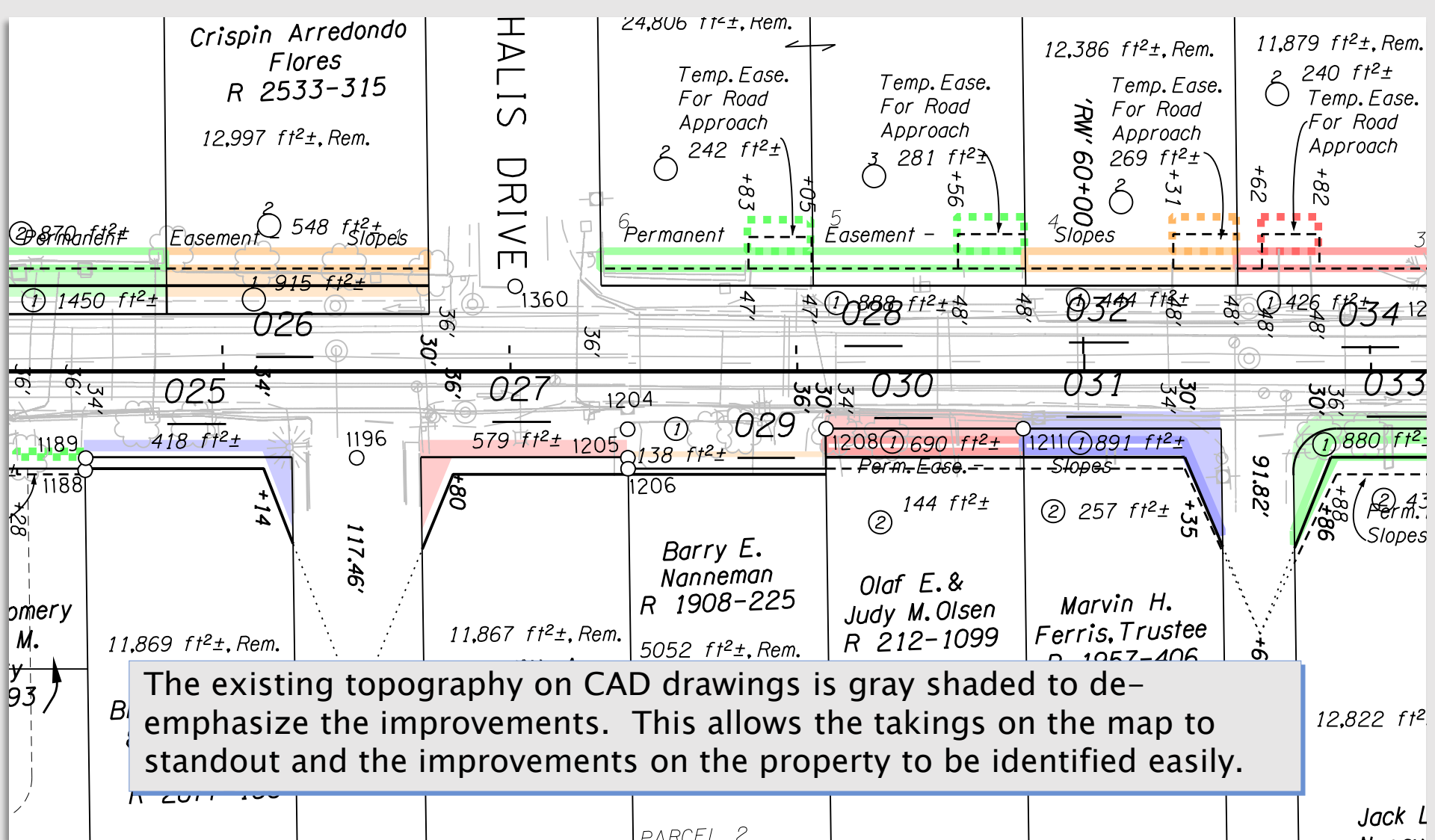
ACTIVE DRAWING

NO.	NAME	ADDRESS	SECTION	DATE	DESCRIPTION & REFERENCE DOCUMENT
01	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
02	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
03	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
04	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
05	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
06	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
07	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
08	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
09	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION
10	STATE	10000 WALLACE RD	10	10/1/00	STATE ACQUISITION

Approximately every 36 inches along the map is placed text showing the Township, Range, Section, drawing name, R/W project number and any prior right of way maps



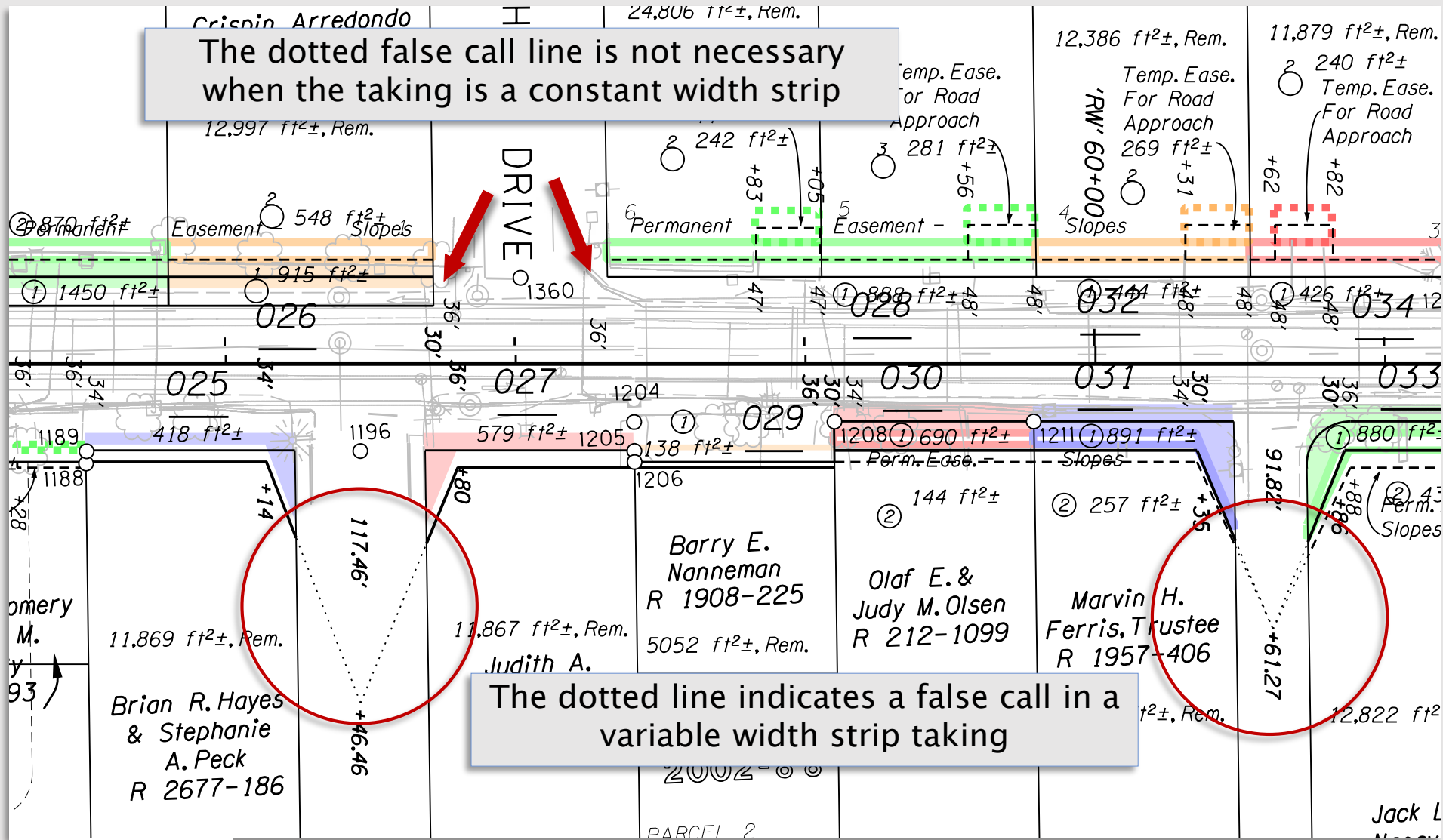




The existing topography on CAD drawings is gray shaded to de-emphasize the improvements. This allows the takings on the map to stand out and the improvements on the property to be identified easily.

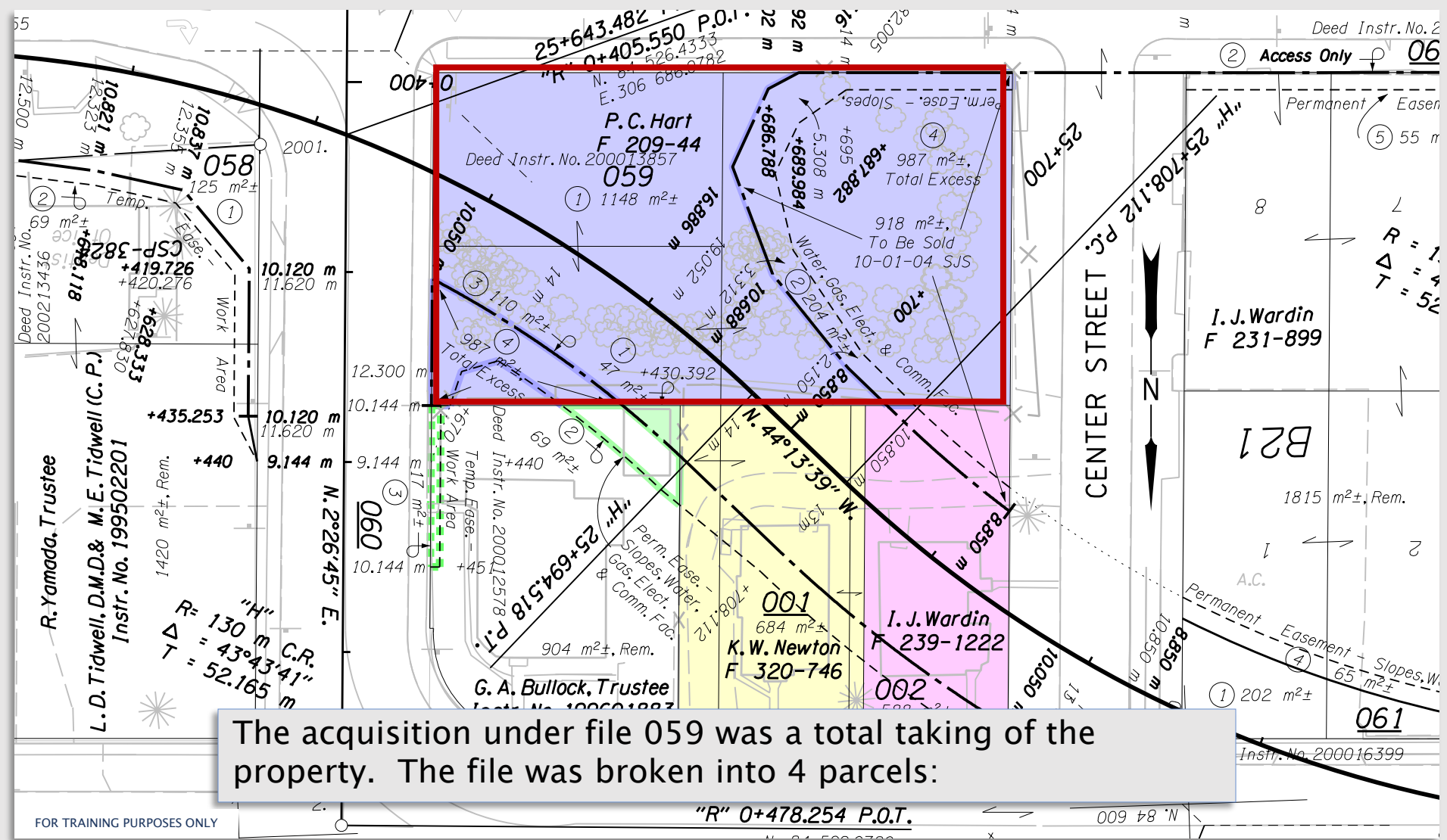


The dotted false call line is not necessary when the taking is a constant width strip

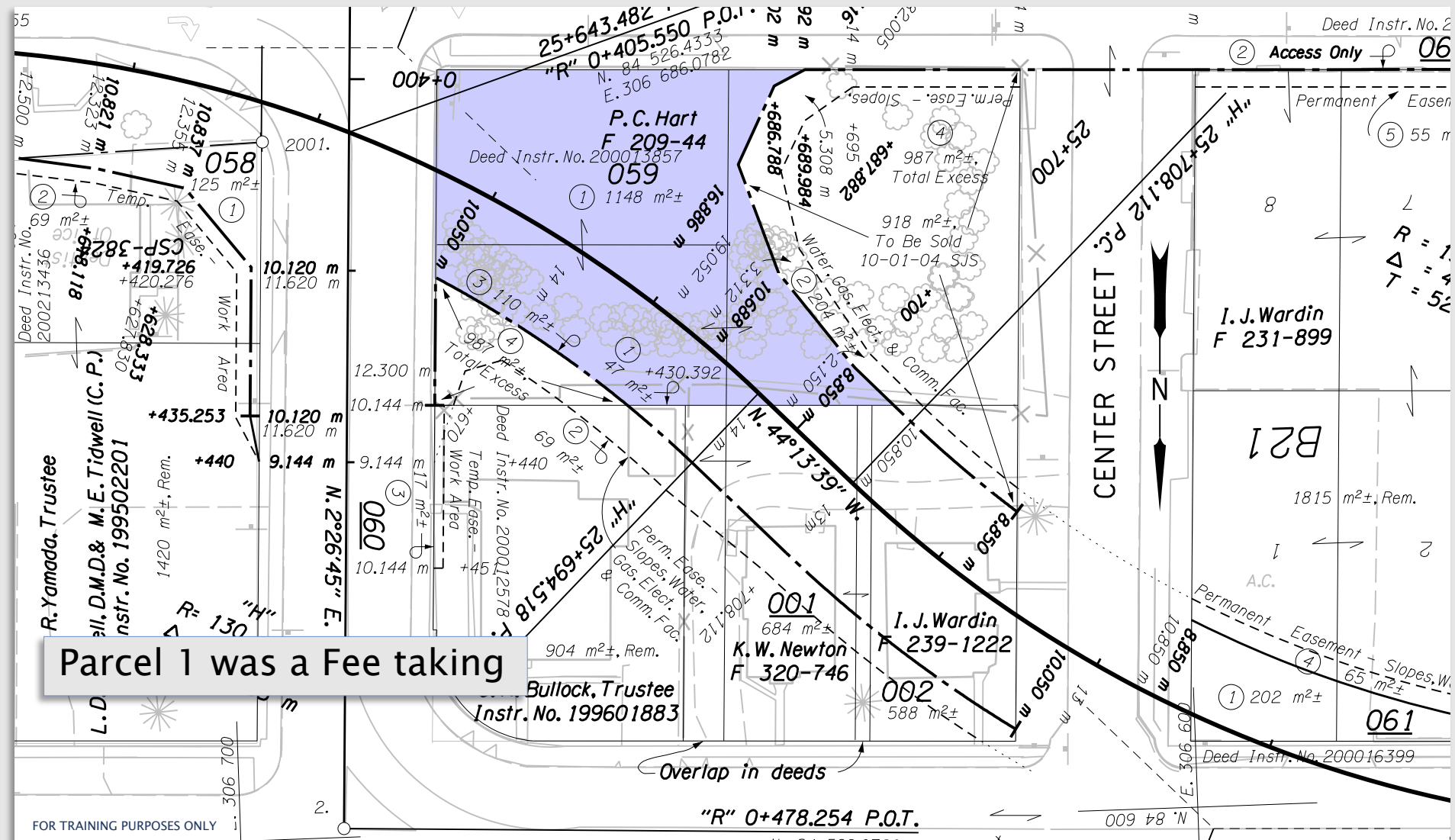


The dotted line indicates a false call in a variable width strip taking

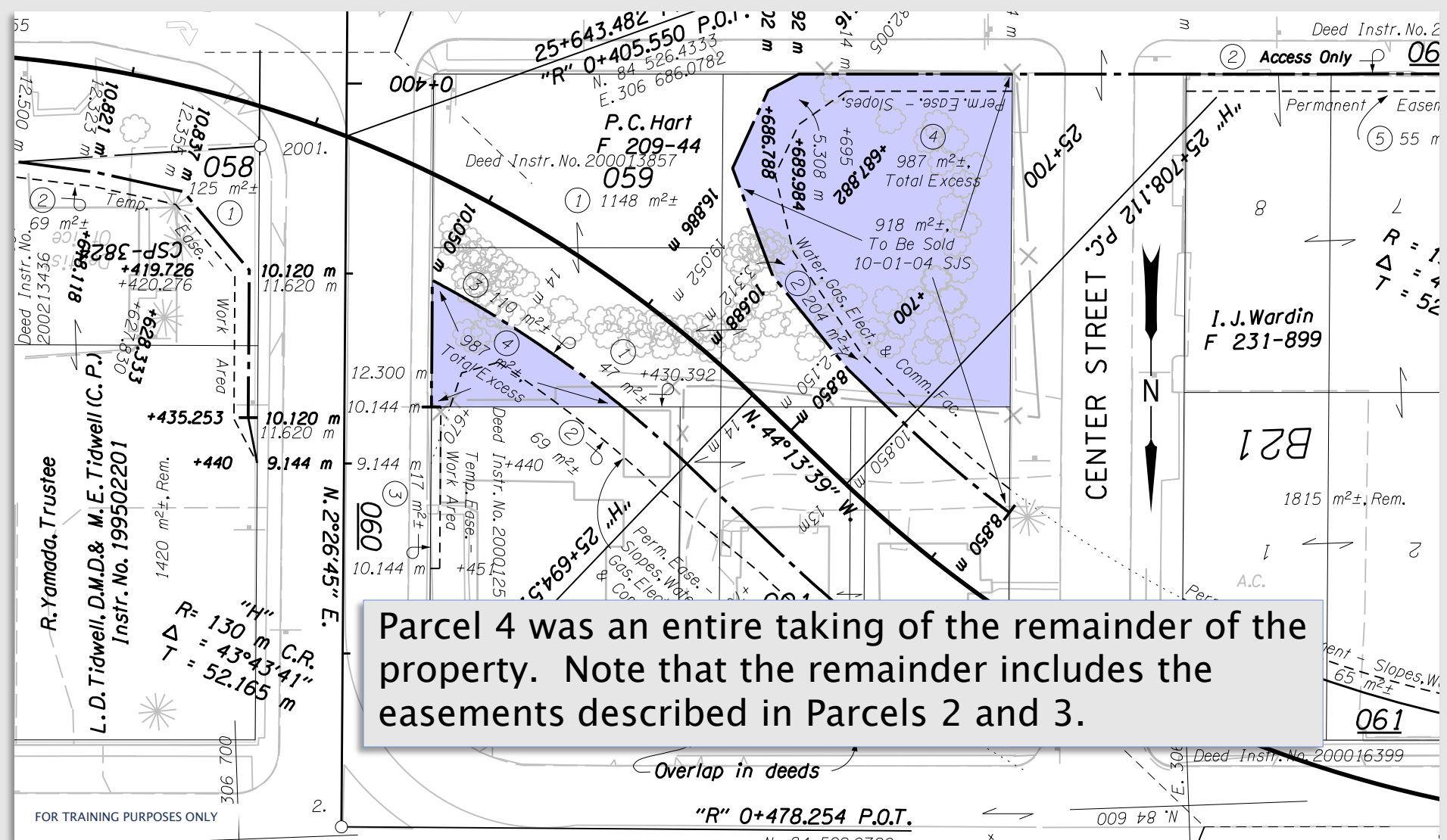




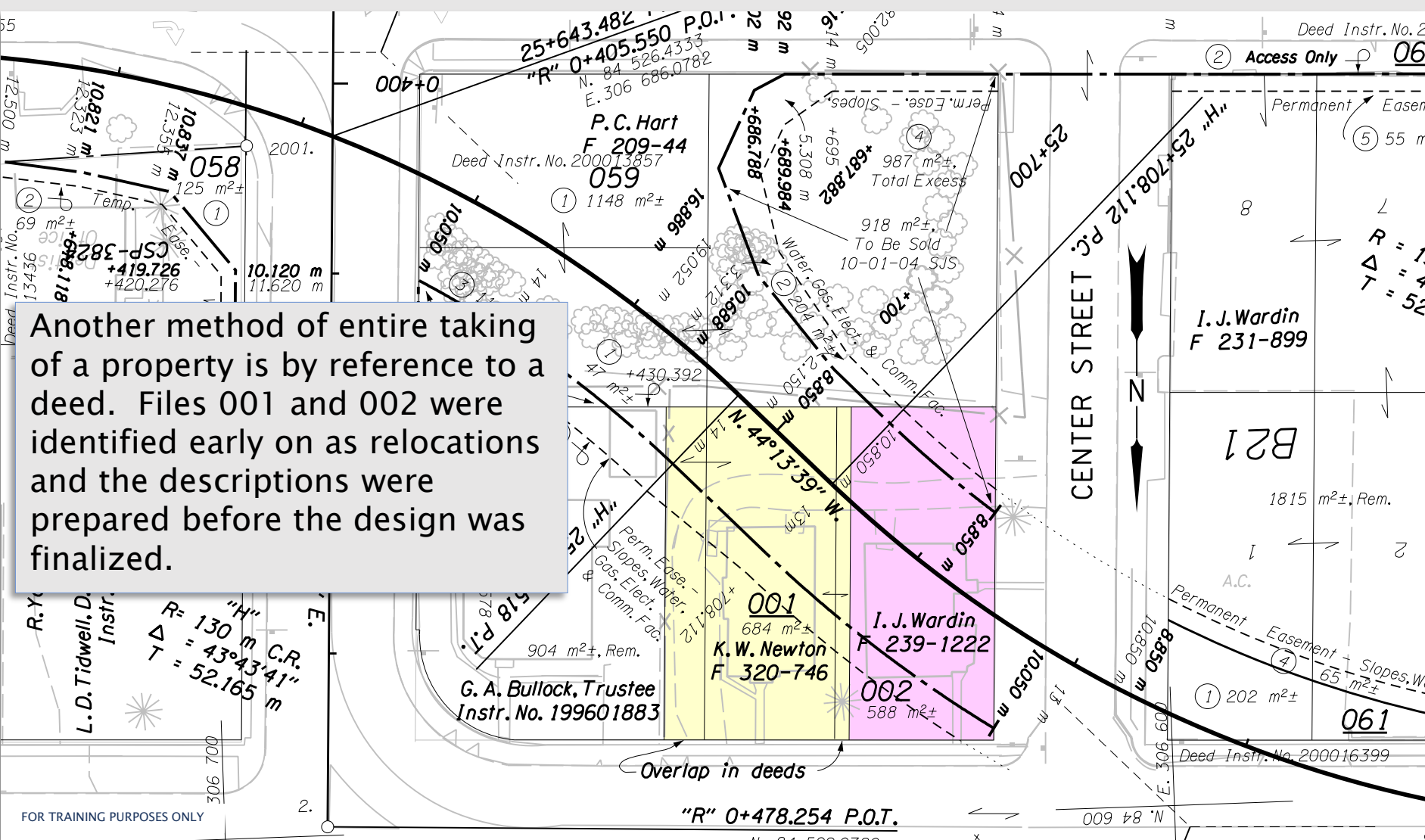
The acquisition under file 059 was a total taking of the property. The file was broken into 4 parcels:





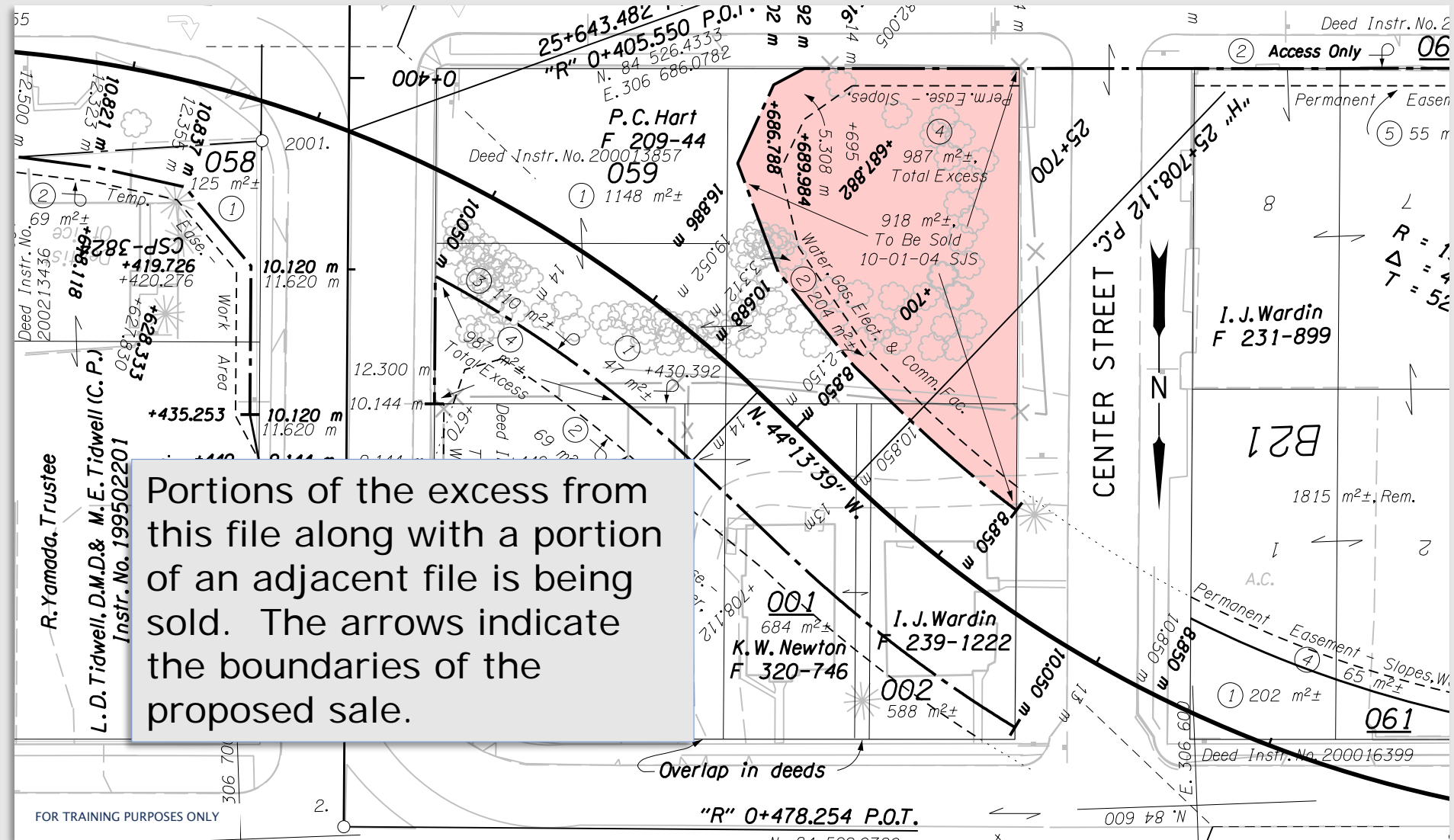


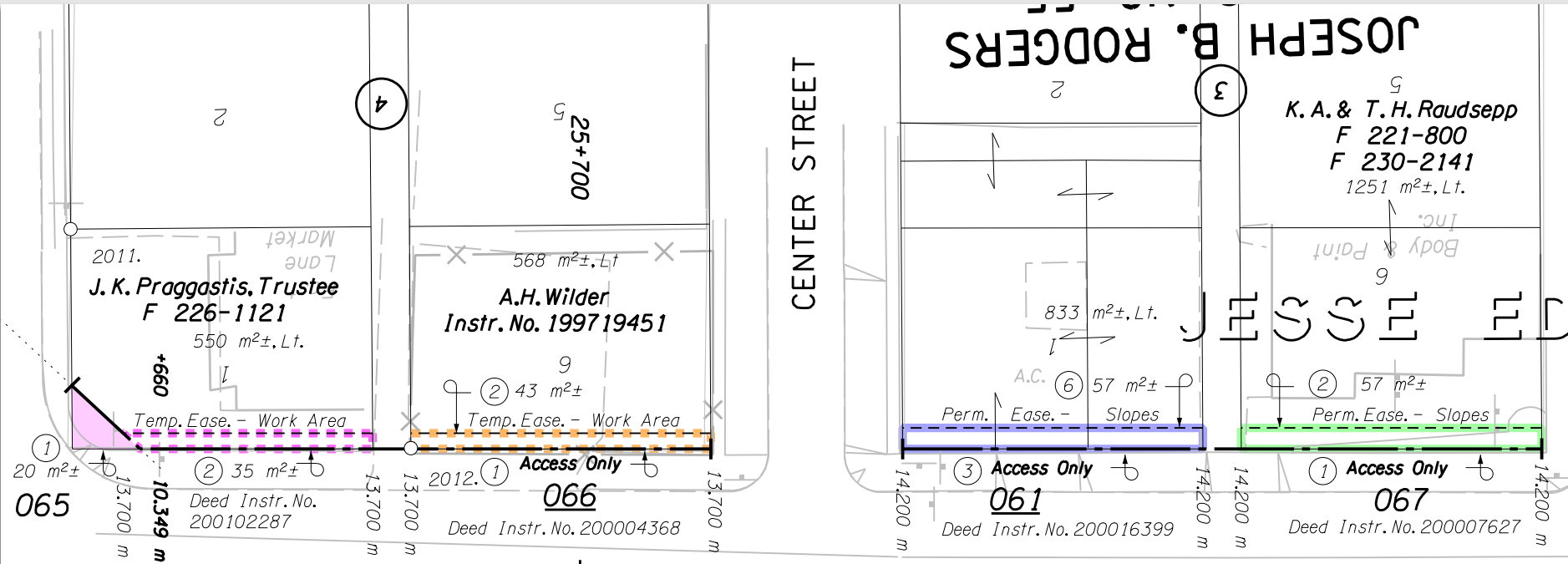
Parcel 4 was an entire taking of the remainder of the property. Note that the remainder includes the easements described in Parcels 2 and 3.



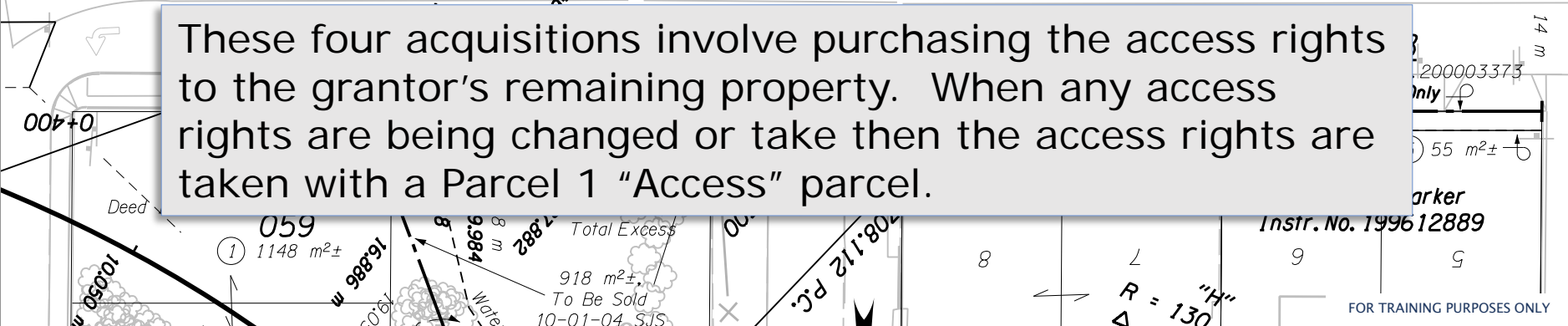
Another method of entire taking of a property is by reference to a deed. Files 001 and 002 were identified early on as relocations and the descriptions were prepared before the design was finalized.

FOR TRAINING PURPOSES ONLY

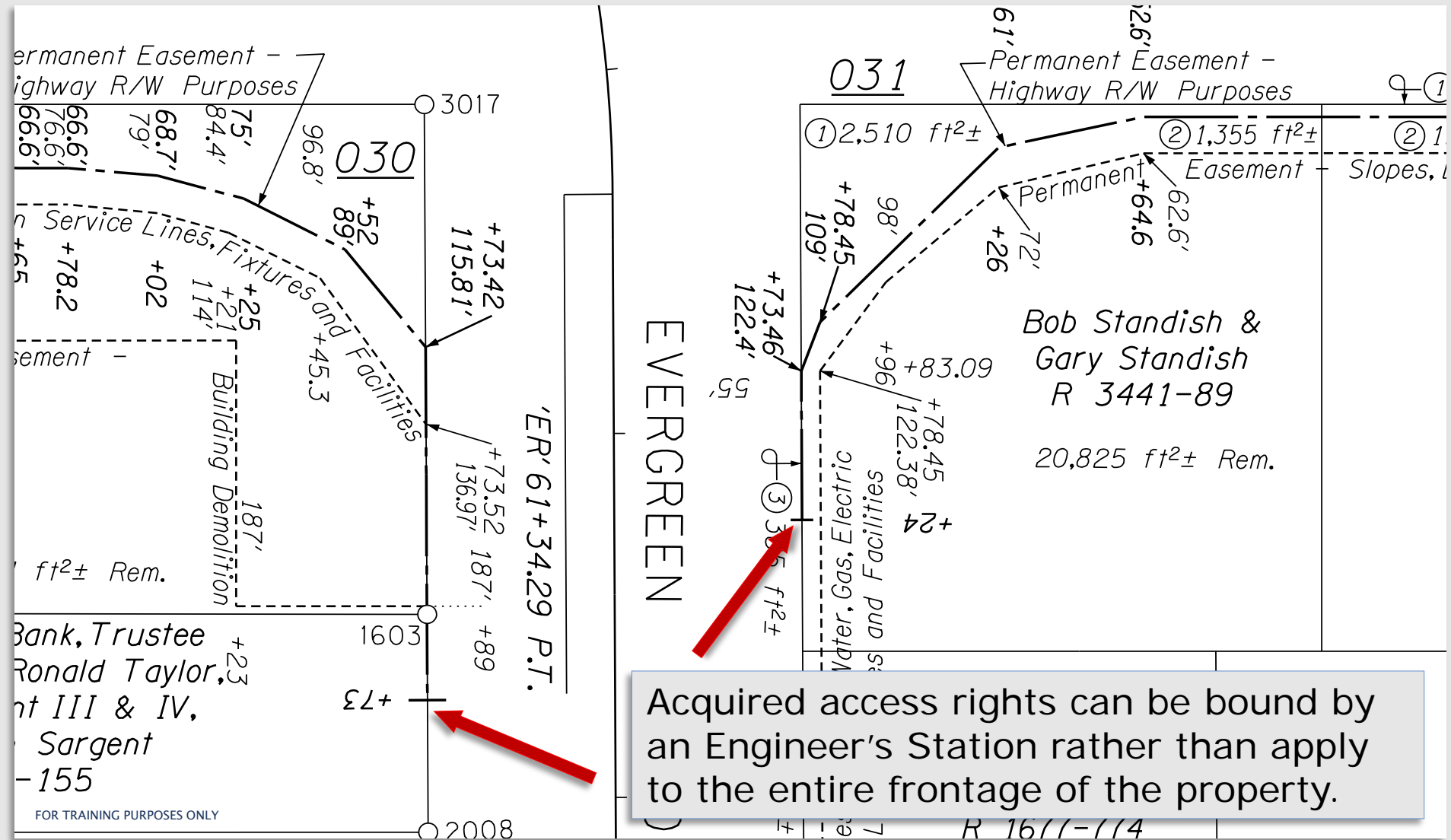




These four acquisitions involve purchasing the access rights to the grantor's remaining property. When any access rights are being changed or take then the access rights are taken with a Parcel 1 "Access" parcel.



FOR TRAINING PURPOSES ONLY







S. 46° 47' 29" W.

62

30

Fd. 2" Brass Disc  
in Mon. Box  
N. 8,016.987  
E. 10,652.216

~~001~~

~~023~~

P. S. Selden  
1165-720  
1182-587

Dripps et al.  
MF 88-37941

409+20  
35'  
A  
R. Zimprich  
MF 79-34637

Files 001 and 023 have been canceled. All taking lines and text have been removed leaving just the file number with a line through it indicating the cancelation.

" I.R.

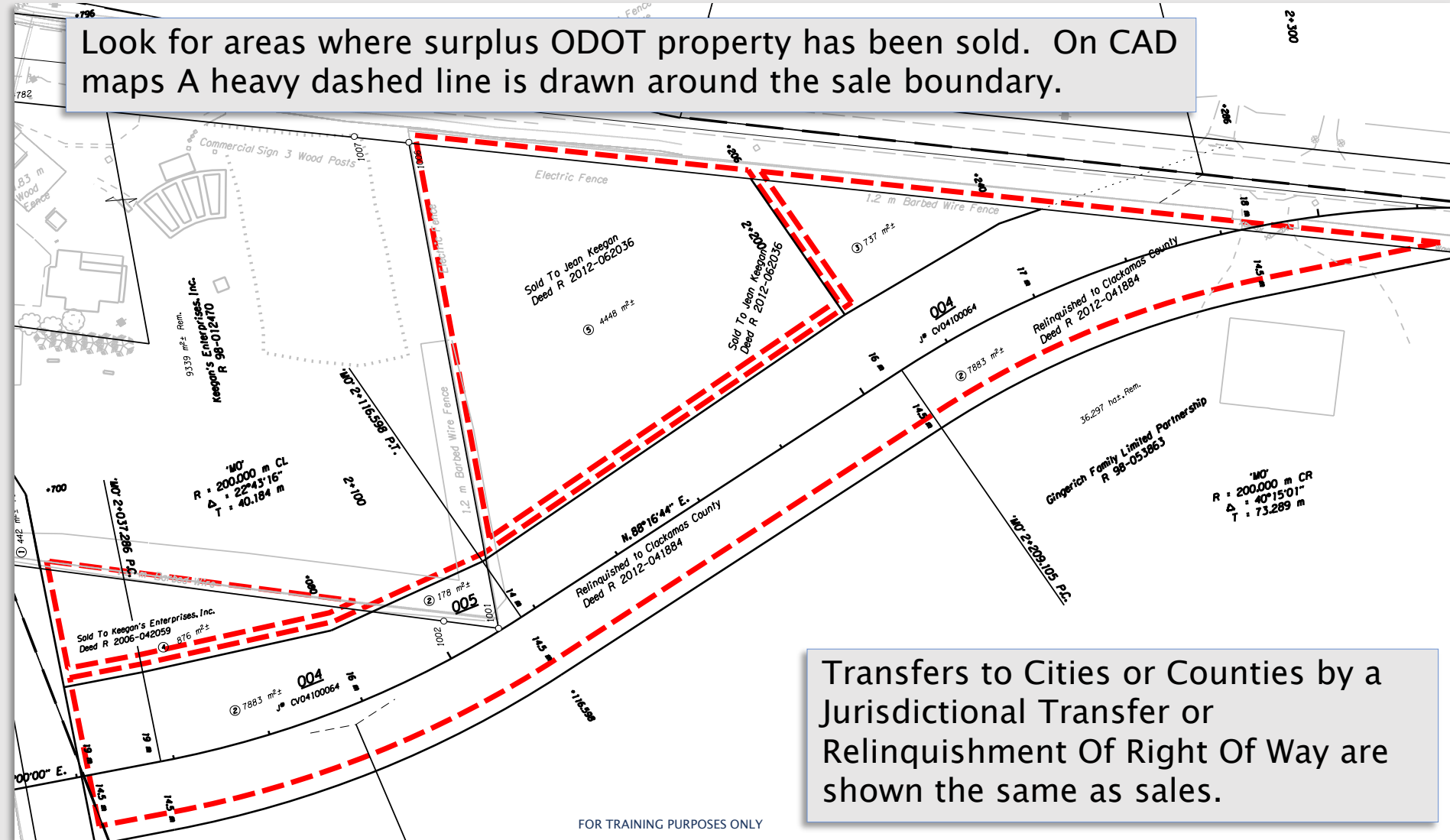
FOR TRAINING PURPOSES ONLY

T & F V Buckland

05

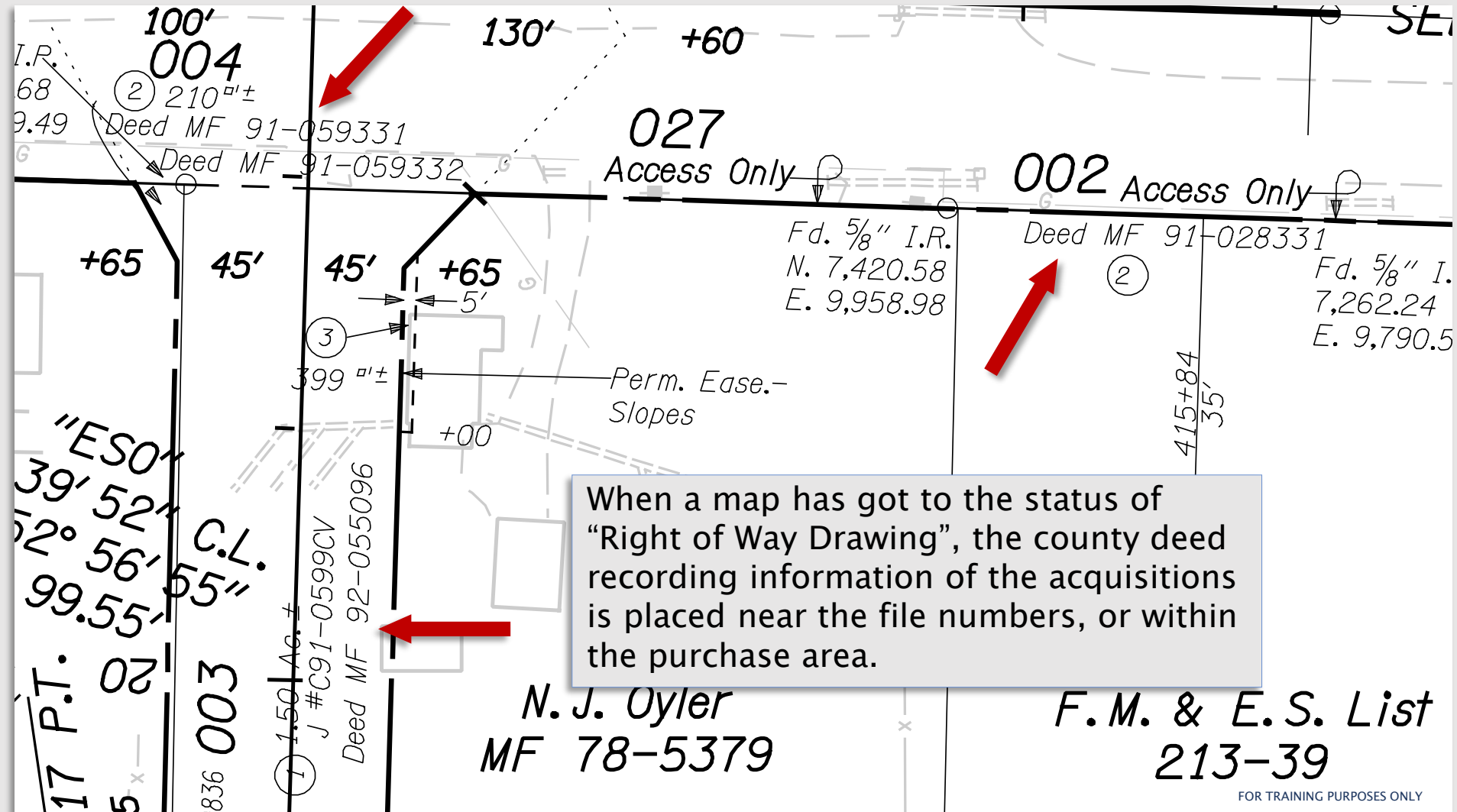


Look for areas where surplus ODOT property has been sold. On CAD maps A heavy dashed line is drawn around the sale boundary.



Transfers to Cities or Counties by a Jurisdictional Transfer or Relinquishment Of Right Of Way are shown the same as sales.

FOR TRAINING PURPOSES ONLY



FOR TRAINING PURPOSES ONLY



FOR TRAINING PURPOSES ONLY

Perm. Ease. - Slopes

②

151 ft<sup>2</sup>±

8.33'

001

015

200 ft<sup>2</sup>±

150 ft<sup>2</sup>±

①

150 ft<sup>2</sup>±

③

584 ft<sup>2</sup>±

Perm. Ease. - Slopes

Slopes

②

927 ft<sup>2</sup>±

20'

①

002

016

① 150 ft<sup>2</sup>±

20'

② 442 ft<sup>2</sup>±

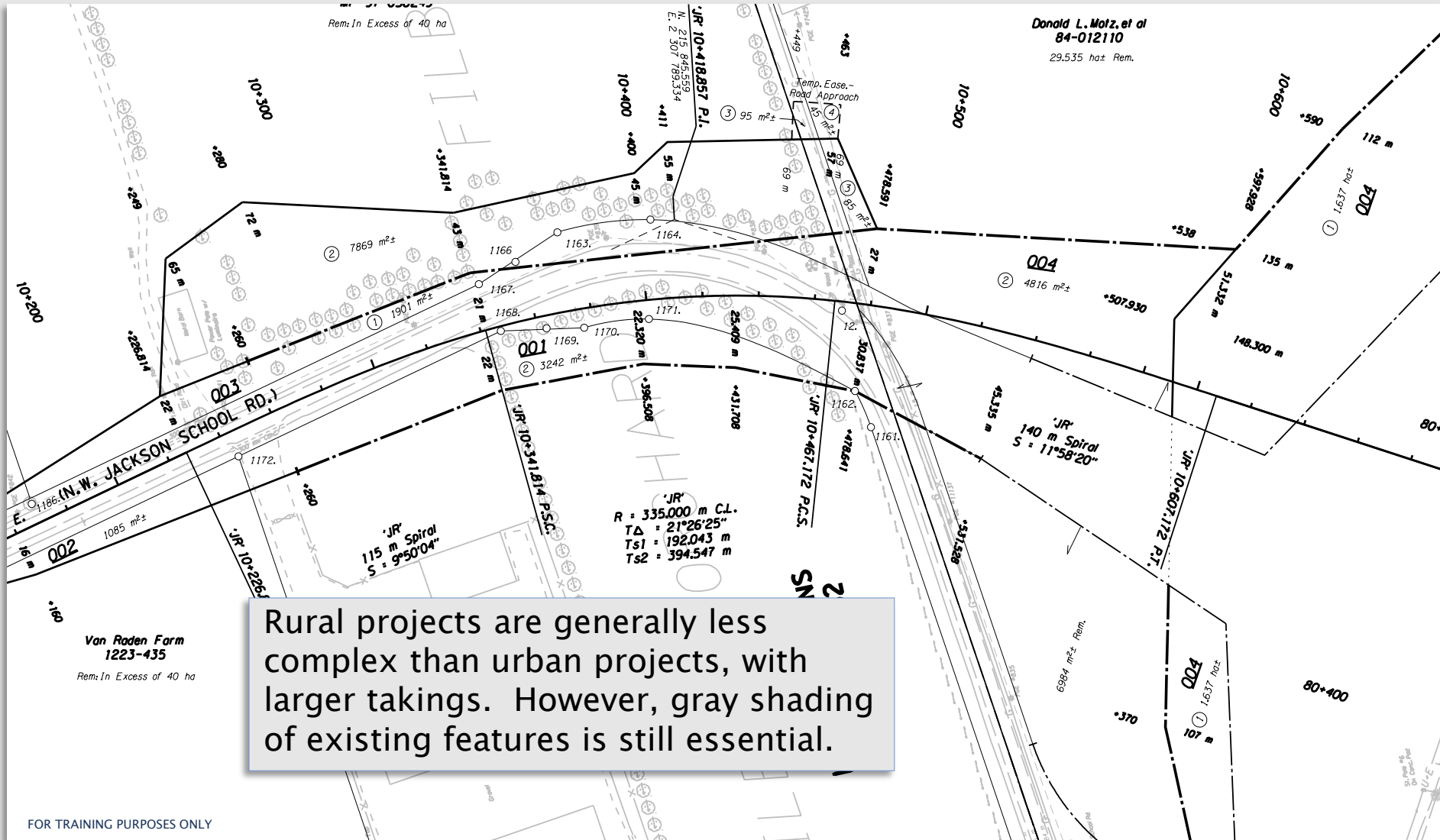
Temp. Ease. - Work Area

5'

Occasionally a taking will be in an area where there is not a purchase center line and the acquisition can be described by metes and bounds, parallel lines or other acceptable methods.



## READING AND INTERPRETING RIGHT OF WAY MAPS

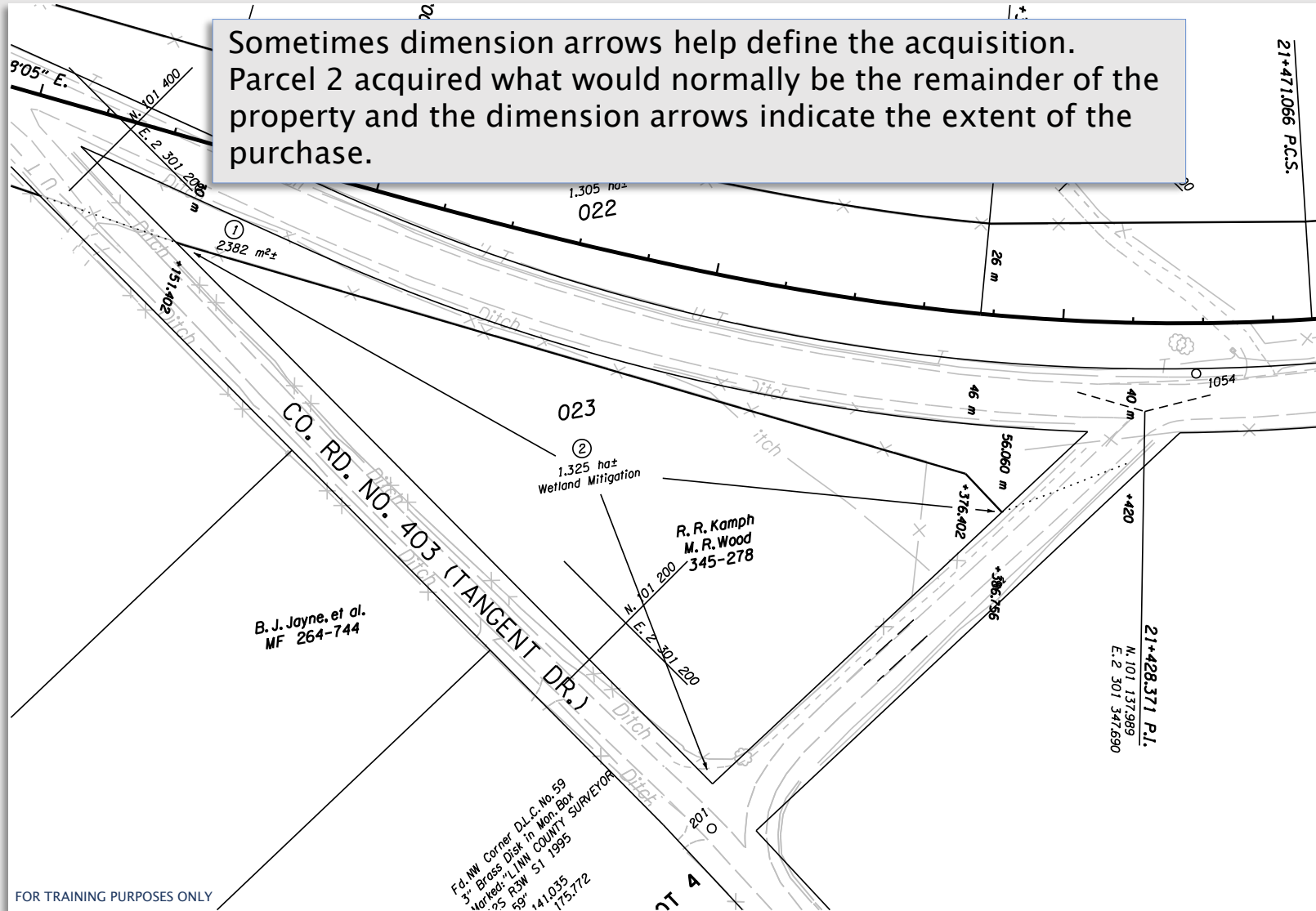


Rural projects are generally less complex than urban projects, with larger takings. However, gray shading of existing features is still essential.



## READING AND INTERPRETING RIGHT OF WAY MAPS

Sometimes dimension arrows help define the acquisition. Parcel 2 acquired what would normally be the remainder of the property and the dimension arrows indicate the extent of the purchase.

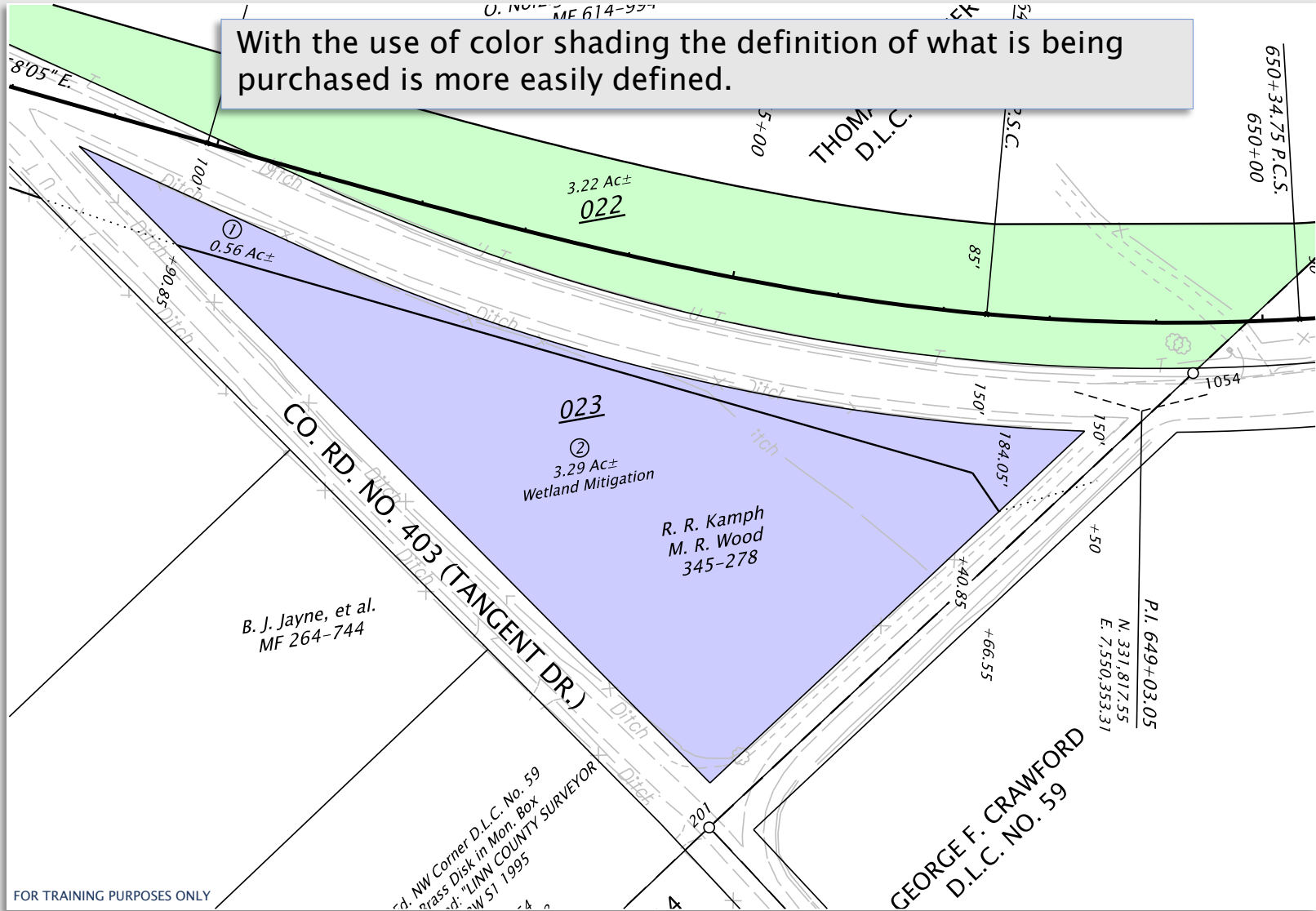


FOR TRAINING PURPOSES ONLY



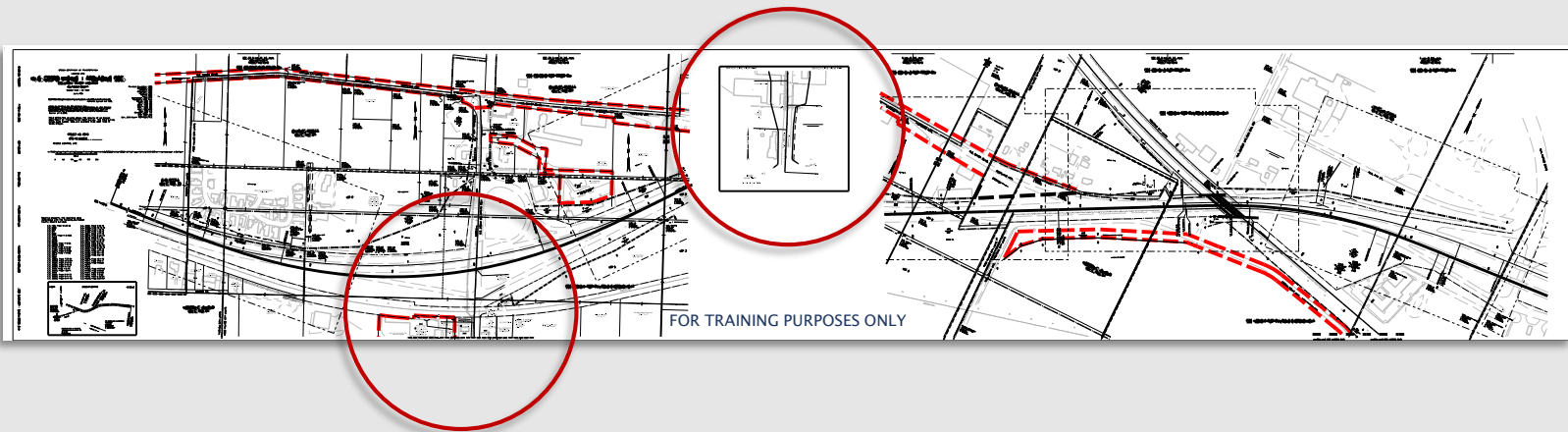
## READING AND INTERPRETING RIGHT OF WAY MAPS

With the use of color shading the definition of what is being purchased is more easily defined.





## READING AND INTERPRETING RIGHT OF WAY MAPS

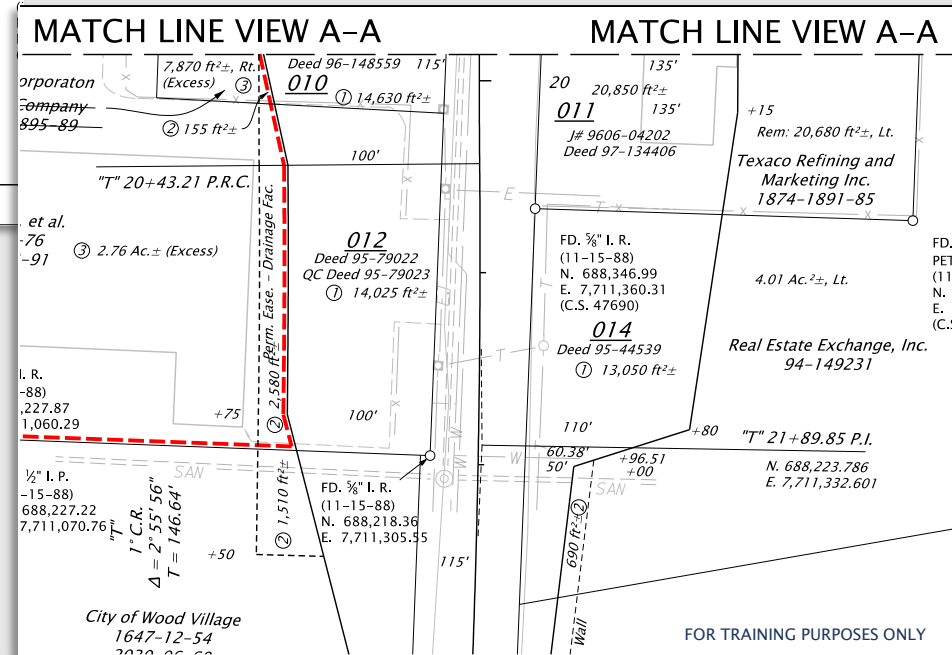
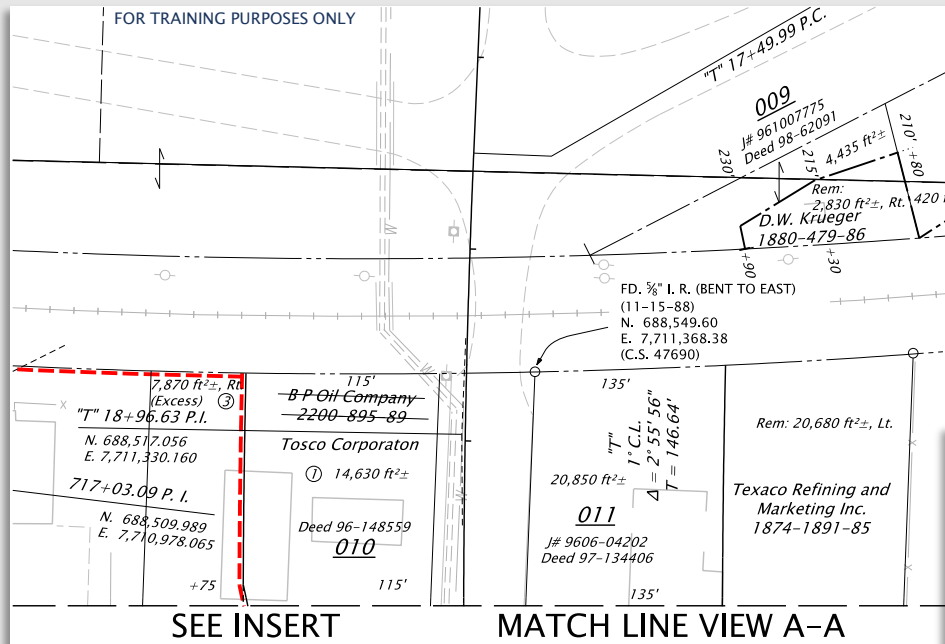


On some maps the right of way takings extend beyond the width of the map and requires breaking an area and creating a match line.





## READING AND INTERPRETING RIGHT OF WAY MAPS



The match line is named, A-A, B-B, etc. And the corresponding area is placed at another place on the map, quite often at the end in an insert.



## READING AND INTERPRETING RIGHT OF WAY MAPS

**BOTH ROLL MAPS AND SHEET MAPS WERE PRODUCED.**

- "A" MAPS – 36 INCHES IN WIDTH.
  - "B" MAPS – 24 INCHES IN WIDTH.
  - "C" MAPS – 12 INCHES IN WIDTH.
  - 1R-3 MAPS – 12 INCHES BY 24 INCHES
  - 1R-4 MAPS – 11 INCHES BY 17 INCHES
- 
- This has changed as of August 1, 2019 after almost 100 years.
  - The new map names will be the Right of Way file No. (RW####M)
  - This number will increment into 5 digits eventually.
  - No need to request a map number but you will need to send in a Right of Way Map Information Notification form 734-5221 to Maps and Plans



With the new RW map format you can mix and match border sizes if needed instead of using inserts etc. Say you are doing a large interchange so you want a 36"X >200" for the mainline but can't quite get the side legs you could use (2) 11"X17" (Pages 2 and 3) for the sides? Or if you have a layout for 18"X24" for the CRR you could use the same layout for the RW map (if enough detail can be legible for acquisitions) the same scale may not work? When doing multiple pages if you create individual PDF's combine them into one PDF for the map to be sent to Maps and Plans.



## READING AND INTERPRETING RIGHT OF WAY MAPS





## READING AND INTERPRETING RIGHT OF WAY MAPS

THE OLDER RIGHT OF WAY MAPS, PRIOR TO CAD WERE HAND DRAFTED IN INK. MOST WERE DRAFTED ON WAXED LINEN. SOME OF THE LATER ONES WERE DRAFTED ON MYLAR.

DRAFTING STANDARDS, THOUGH MUCH THE SAME AS TODAY, HAVE EVOLVED OVER THE DECADES AND THERE ARE SOME DIFFERENCES.

PRIOR TO THE IMPLEMENTATION OF THE RIGHT OF WAY PROJECT NUMBER, EVERY FILE WAS GIVEN A UNIQUE FILE NUMBER.

THIS MAIN FILE CONTAINS ALL THE INFORMATION ON THE ACQUISITION.

IN ADDITION TO THE MAIN FILE, A SEPARATE "RW" FILE NUMBER WAS USUALLY ASSIGNED. THIS "RW" FILE WAS AN ABBREVIATED FILE, CONTAINING COPIES OF THE RECORDED WARRANTY DEED, A TITLE REPORT AND SOME CORRESPONDENCE.



## READING AND INTERPRETING RIGHT OF WAY MAPS

**Office Record of Real Property Negotiations**

Project Letting \_\_\_\_\_ Date \_\_\_\_\_ File N<sup>o</sup> 27816  
 No. 225302

Grantors Christensen, H.C. & K.E. Indexed   
 Unit Albany - Lane County line  
 Section Albany - Siskiyou Point Highway Pacific Div. 2  
 County Winn Sta. 2312 Sta. 2382-2311 Map No. 20-22 <sup>88-20</sup> ~~20-22~~ <sub>61-06</sub>

Parcel	Subdivision	Section	Twp.	Range	Area	Purpose
1	EQ. 1004	9	15S	36W	0.9	R
2					0.37	R

Desc. Cl'd by P.C. 3-27-58 Rec'd 4-1-58 Option to Benson 4-2-58  
 Rev. Desc. by \_\_\_\_\_ Date \_\_\_\_\_ Rec'd \_\_\_\_\_ Date \_\_\_\_\_ Option to \_\_\_\_\_ Date \_\_\_\_\_  
 Rev. Desc. by \_\_\_\_\_ Date \_\_\_\_\_ Rec'd \_\_\_\_\_ Date \_\_\_\_\_ Option to \_\_\_\_\_ Date \_\_\_\_\_  
 Rev. Desc. by \_\_\_\_\_ Date \_\_\_\_\_ Rec'd \_\_\_\_\_ Date \_\_\_\_\_ Option to \_\_\_\_\_ Date \_\_\_\_\_  
 Option Sec. By Mudd Dated 4-29-58 Amt \$ 235.00 <sup>(C)</sup> Expires 6-1-58

Comm. App'l \$ 325.00 Date WAY 1958 Date \_\_\_\_\_ \$ \_\_\_\_\_ Date \_\_\_\_\_  
 Notice to Grantors ✓ Date 5-12-58 Option to Grant Engr. (2) 5-12-58  
 Deed ✓ to Grantors Date 5-12-58 Ack 6-10-58 Copy to Hallman 6-10-58  
 to Grantors Date \_\_\_\_\_ Ack \_\_\_\_\_ Copy to \_\_\_\_\_ Date \_\_\_\_\_  
 Deed for Record Paul Date 6-10-58 Deed Recorded \_\_\_\_\_ Book \_\_\_\_\_ Page \_\_\_\_\_  
 Date \_\_\_\_\_  
 Pur. closed by W. Deed Dated 6-9-58 Cons. \$ 235.00 Dist. 22-2508

**TITLE INFORMATION** Title Insurance to be paid by Grantor  OSHC  Amt \$ \_\_\_\_\_

Company	Desc.	Date Ord.	Received	Number	Off. Rep.
Lot Book Report					
Prelim. T. Rep.	<u>Satter &amp; Sand Co.</u>	<u>3-27-58</u>	<u>4-7-58</u>	<u>41-22-17</u>	<u>5-6-58</u>
Supp. T. Rep.					
Policy		<u>6-11-58</u>	<u>6-16-58</u>	<u>22-33-17</u>	

TAXES: State to Assume \_\_\_\_\_ Grantor to Pay 1957-58 Statement Requested \_\_\_\_\_

Assessments

Voucher	Deed	D. Crn.	Mfg. Rel.	T. R.	Fin. Rep.	Option	Desc.	To Yearbook Clerk
\$ <u>325.00</u>		<u>✓</u>		<u>✓</u>	<u>✓</u>			<u>6-10-58</u>
\$								
\$								
\$								
\$								

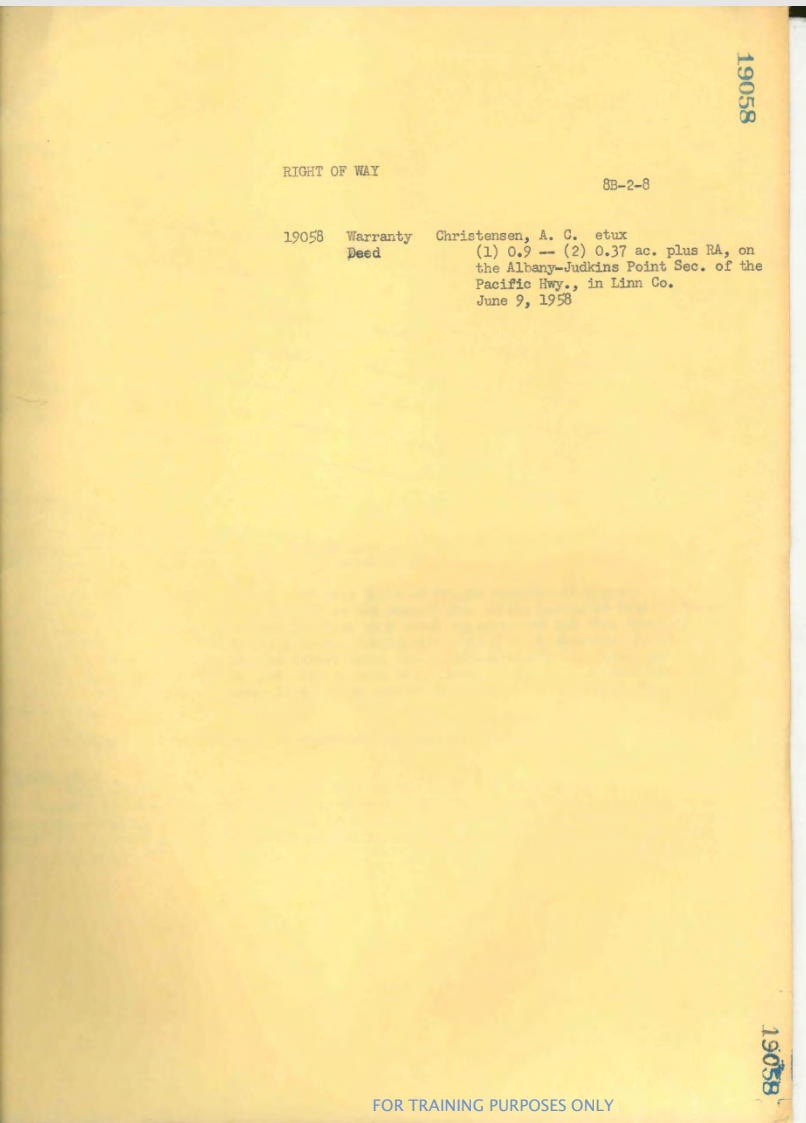
Main Office No. RW 19058 File Closed \_\_\_\_\_  
4-2-58  
 Approved as to forty-sha legality  
 = COPY

Older main right of way file, which was referred to as the "Salmon" File

FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS



The abbreviated file associated with the main file for the acquisition known as and noted on the map as the “RW” file.



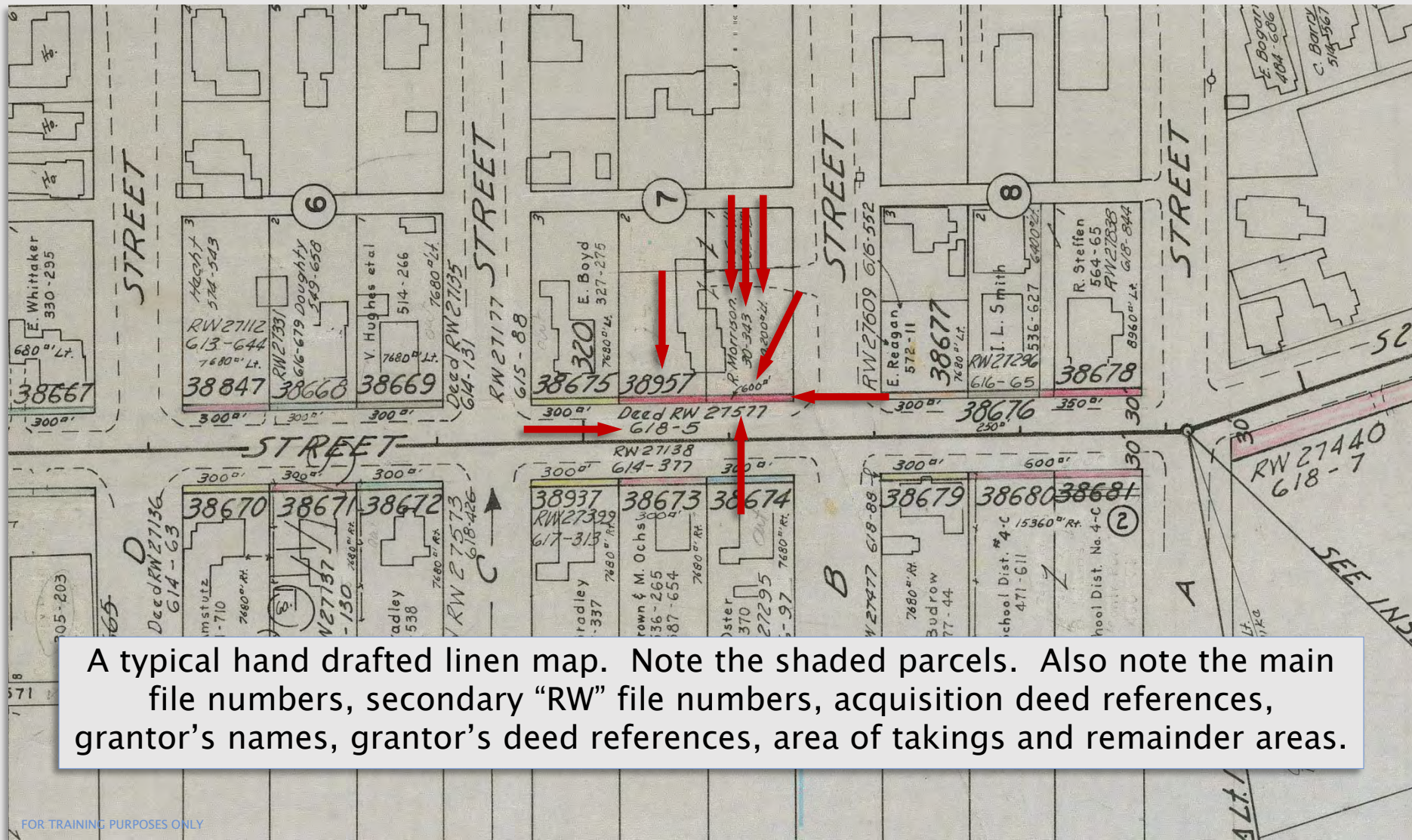
## READING AND INTERPRETING RIGHT OF WAY MAPS

SHADING OR OUTLINING OF THE ACQUISITION PARCELS WAS ALSO USED ON THE OLDER LINEN MAPS AND WAS DONE WITH COLORED PENCILS.

DIFFERENT COLORS WERE USED TO DEFINE THE TAKINGS FROM THE DIFFERENT PROPERTIES INVOLVED.

PURPLE THOUGH, WAS USUALLY RESERVED TO INDICATE SURPLUS PROPERTY THAT WAS SOLD.





A typical hand drafted linen map. Note the shaded parcels. Also note the main file numbers, secondary “RW” file numbers, acquisition deed references, grantor’s names, grantor’s deed references, area of takings and remainder areas.



## READING AND INTERPRETING RIGHT OF WAY MAPS

ANOTHER MAIN DIFFERENCE IN STANDARDS ON THE OLDER MAPS WAS THE WAY THAT ACCESS RIGHTS WERE SHOWN.

THE ACCESS CONTROL LINE STYLE IN USE TODAY WAS NOT USED ON MAPS PRIOR TO THE 1960'S.

A SYMBOL INDICATING THE TYPE OF ACCESS RIGHTS ACQUIRED WAS DRAFTED WITHIN THE PARCEL.



<i>Restricted Access</i> .....	RA
<i>Farm Crossing</i> .....	FX
<i>Access</i> .....	A
<i>Private Access</i> .....	PA
<i>Private Access Limited</i> .....	PAL
<i>Commercial Access</i> .....	CA
<i>Commercial Access Limited</i> .....	CAL

This legend, showing the different types of access rights purchased, is found on some of the older linen maps

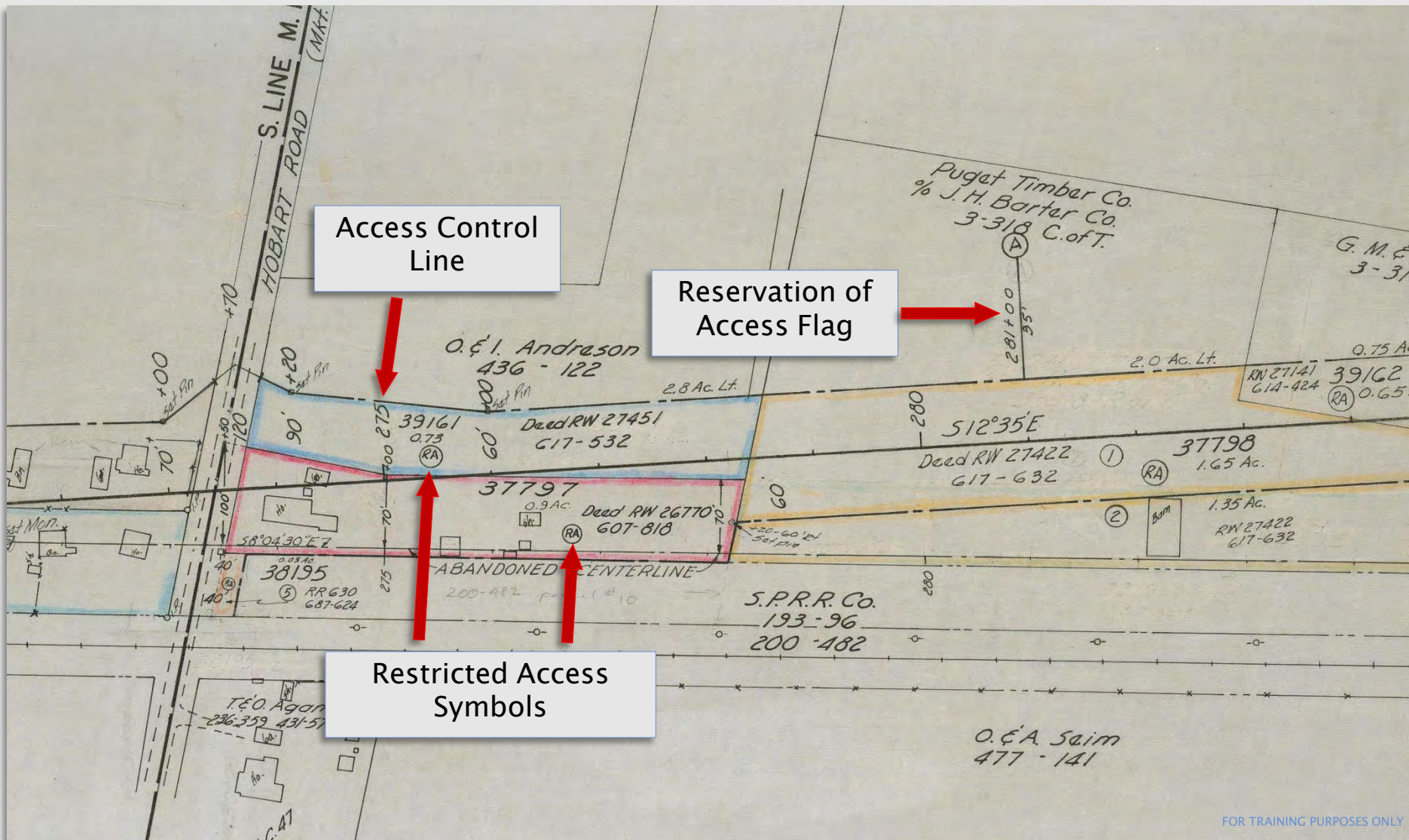


## READING AND INTERPRETING RIGHT OF WAY MAPS

EVEN AFTER THE ACCESS CONTROL LINE STYLE WAS ADOPTED, THESE SYMBOLS CONTINUED TO BE DRAFTED ON THE MAPS.



## READING AND INTERPRETING RIGHT OF WAY MAPS



FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS

BOTH ROLL MAPS AND 1R SHEET MAPS WERE PRODUCED.

- “A” MAPS – 36 INCHES IN WIDTH.
- “B” MAPS – 24 INCHES IN WIDTH.
- “C” MAPS – 12 INCHES IN WIDTH.
- 1R-3 MAPS – 12 INCHES BY 24 INCHES
- 1R-4 MAPS – 12 INCHES BY 18 INCHES

THERE ARE TWO BASIC TYPES OF ROLL MAPS THAT WERE PRODUCED.

- “CONSTRUCTED LINE”
- “LOCATED LINE”



## READING AND INTERPRETING RIGHT OF WAY MAPS

### CONSTRUCTED LINE MAPS

CONSTRUCTED LINE MAPS ARE MOSTLY AT A SCALE OF 1"=400', THOUGH SOME WERE DRAFTED AT 1"=100'.

THE HIGHWAY RIGHT OF WAY AND RIGHT OF WAY WIDTHS MAY OR MAY NOT BE DRAFTED ON THE MAPS. THERE IS NO DOCUMENTATION OF HOW THE WIDTHS OF THE RIGHT OF WAY WERE OBTAINED.

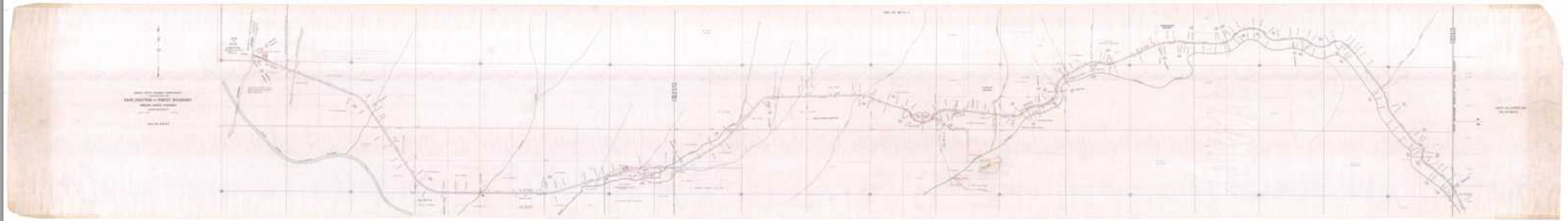
BECAUSE OF THIS, THE CONSTRUCTED LINE MAPS ARE GENERALLY NOT CONSIDERED TO BE A RIGHT OF WAY MAP, IN THAT THEY WERE NOT PRODUCED TO FACILITATE THE ACQUISITION OF RIGHT OF WAY. HOWEVER, RIGHT OF WAY FILES FOR QUARRY SITES, STOCKPILE SITES AND PARK LANDS WERE OFTEN DRAFTED ON THE MAPS AND CROSS REFERENCED TO A 1R MAP.

BASICALLY, THE CONSTRUCTED LINE MAPS SHOW THE ALIGNMENT OF THE HIGHWAY AT THE TIME THE MAP WAS DRAFTED.

ANY USE OF THE MAP FOR OTHER THAN THE HISTORICAL ALIGNMENT, OR RESEARCH INTO ANY RIGHT OF WAY FILES SHOWN, SHOULD BE APPROACHED WITH CAUTION.



## READING AND INTERPRETING RIGHT OF WAY MAPS



FOR TRAINING PURPOSES ONLY

### Typical 1"=400' Constructed Line Map

OREGON STATE HIGHWAY DEPARTMENT  
CONSTRUCTED LINE  
CAVE JUNCTION TO FOREST BOUNDARY  
OREGON CAVES HIGHWAY  
JOSEPHINE COUNTY

Scale 1"=400'

Oct. 1931

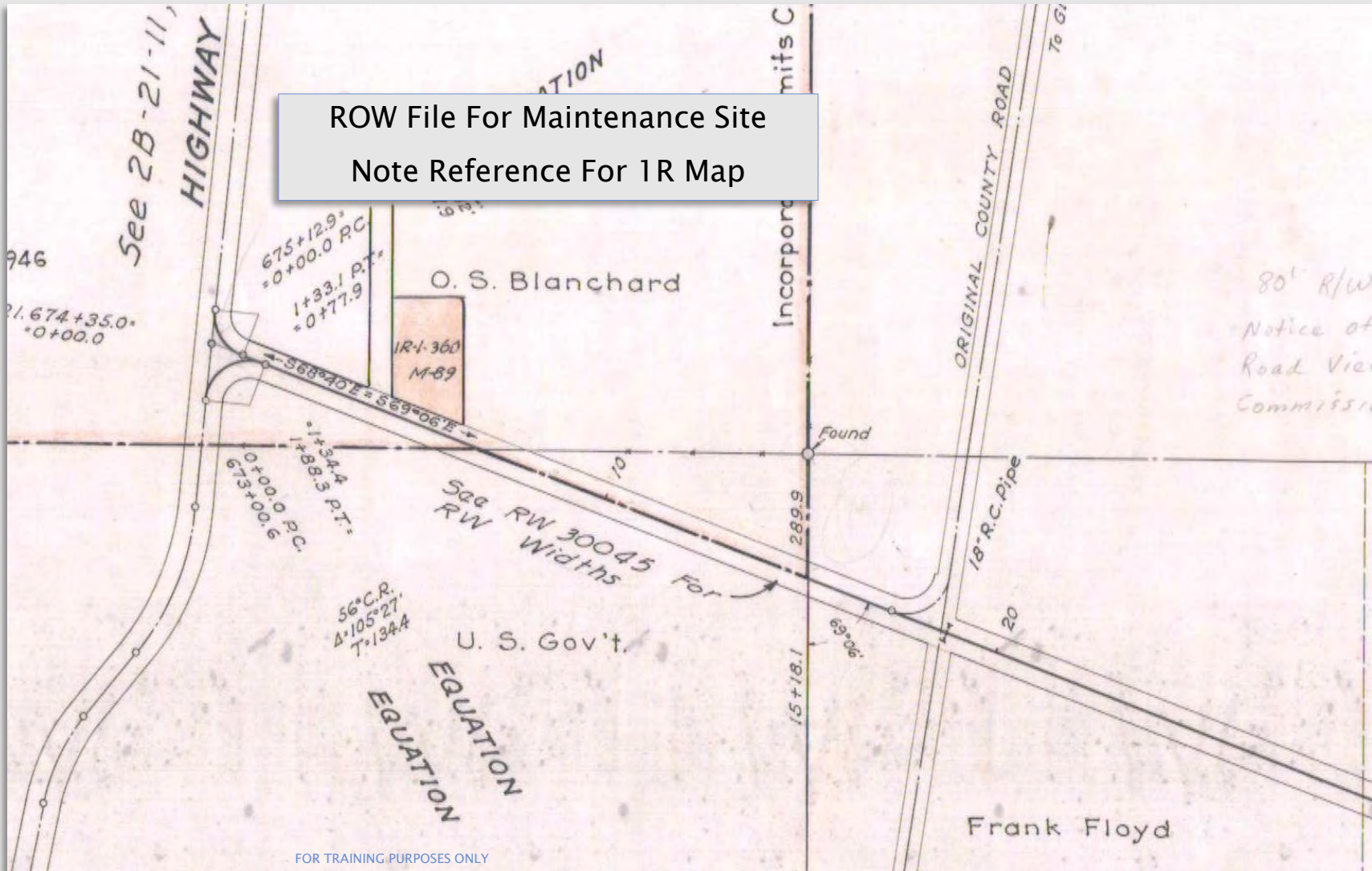
DRG. No. 4B-4-3

FOR TRAINING PURPOSES ONLY





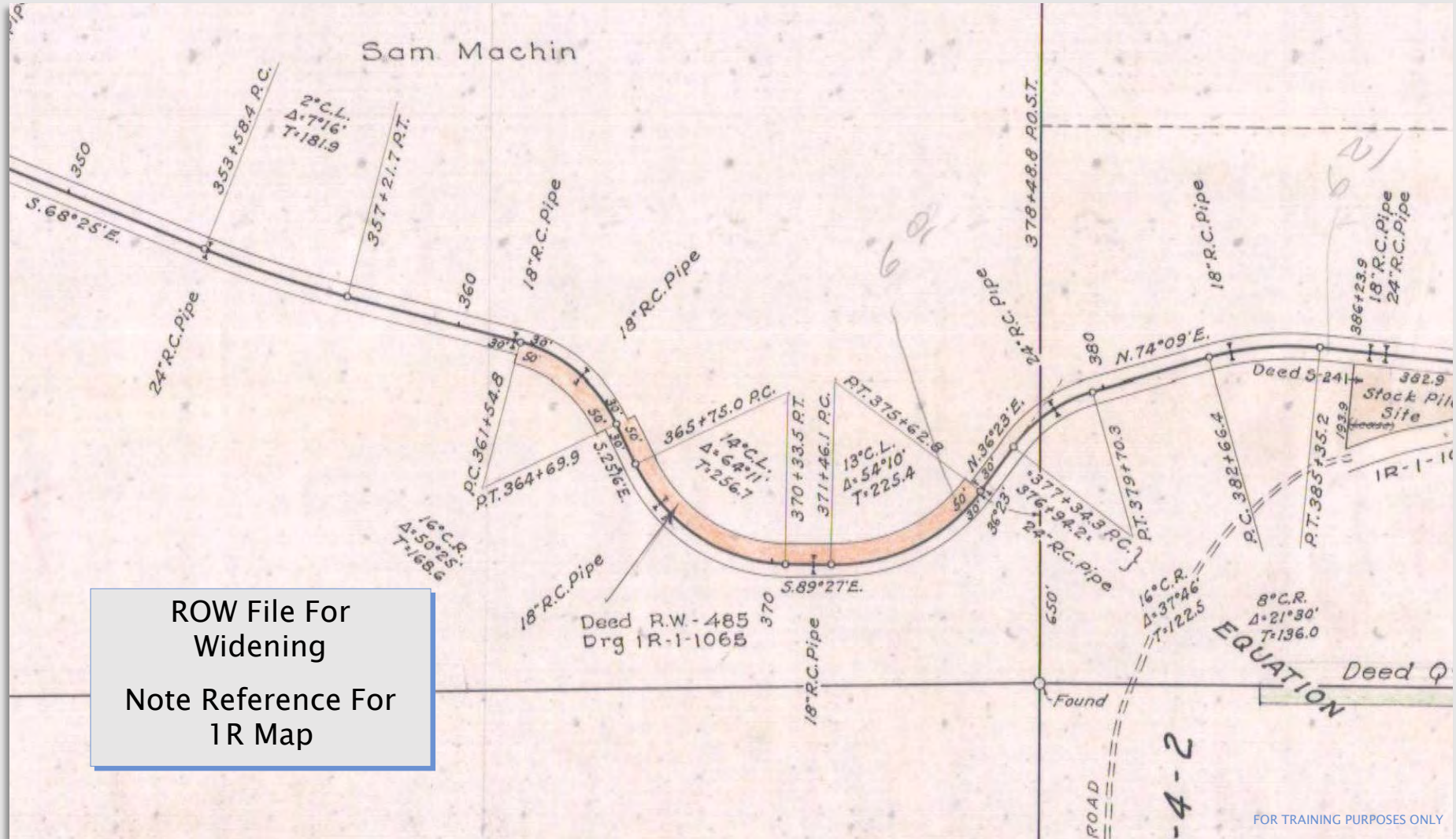
## READING AND INTERPRETING RIGHT OF WAY MAPS



ROW File For Maintenance Site  
Note Reference For 1 R Map



## READING AND INTERPRETING RIGHT OF WAY MAPS



ROW File For Widening  
Note Reference For 1R Map



## READING AND INTERPRETING RIGHT OF WAY MAPS

### LOCATED LINE MAPS

THE LOCATED LINE MAPS SHOW THE NEW RW LAYOUT, RIGHT OF WAY FILE NUMBERS, AREAS OF THE TAKINGS, GRANTOR'S NAME AND DEED RECORDING.

THESE MAPS ARE THE TRUE "RIGHT OF WAY" MAP.



## READING AND INTERPRETING RIGHT OF WAY MAPS

OREGON STATE HIGHWAY DEPARTMENT

Located Line

# MT. ANGEL-SILVERTON SECTION

## HILLSBORO-SILVERTON HIGHWAY

MARION COUNTY

Scale: 1 inch = 100 feet

Traced by J. W.C.

March, 1964

*Survey Completed Nov. 30, 1966*

GRID BEARINGS-NORTH ZONE

Located Line Map

DRG. NO. 8B-32-15

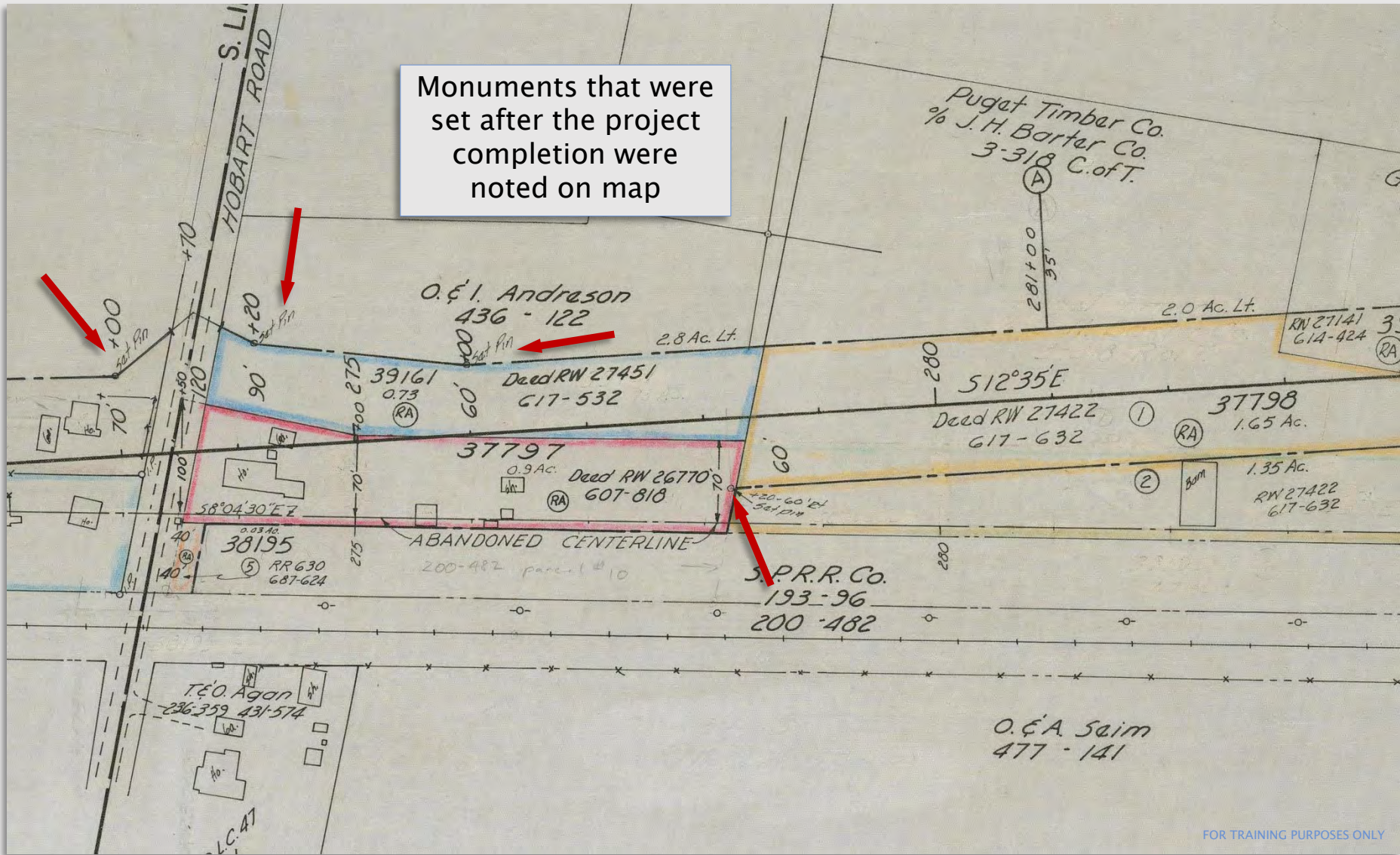
*NOTE: Set Pin Indicates - Set capped RW pin with iron post & paddle board  
Set Mon. Indicates - Set brass disc in concrete monument with iron post & paddle board*

*Frank D. Morgan*  
REGISTERED PROFESSIONAL ENGINEER 1937  
JAN. 6, 1959  
FRANK D. MORGAN



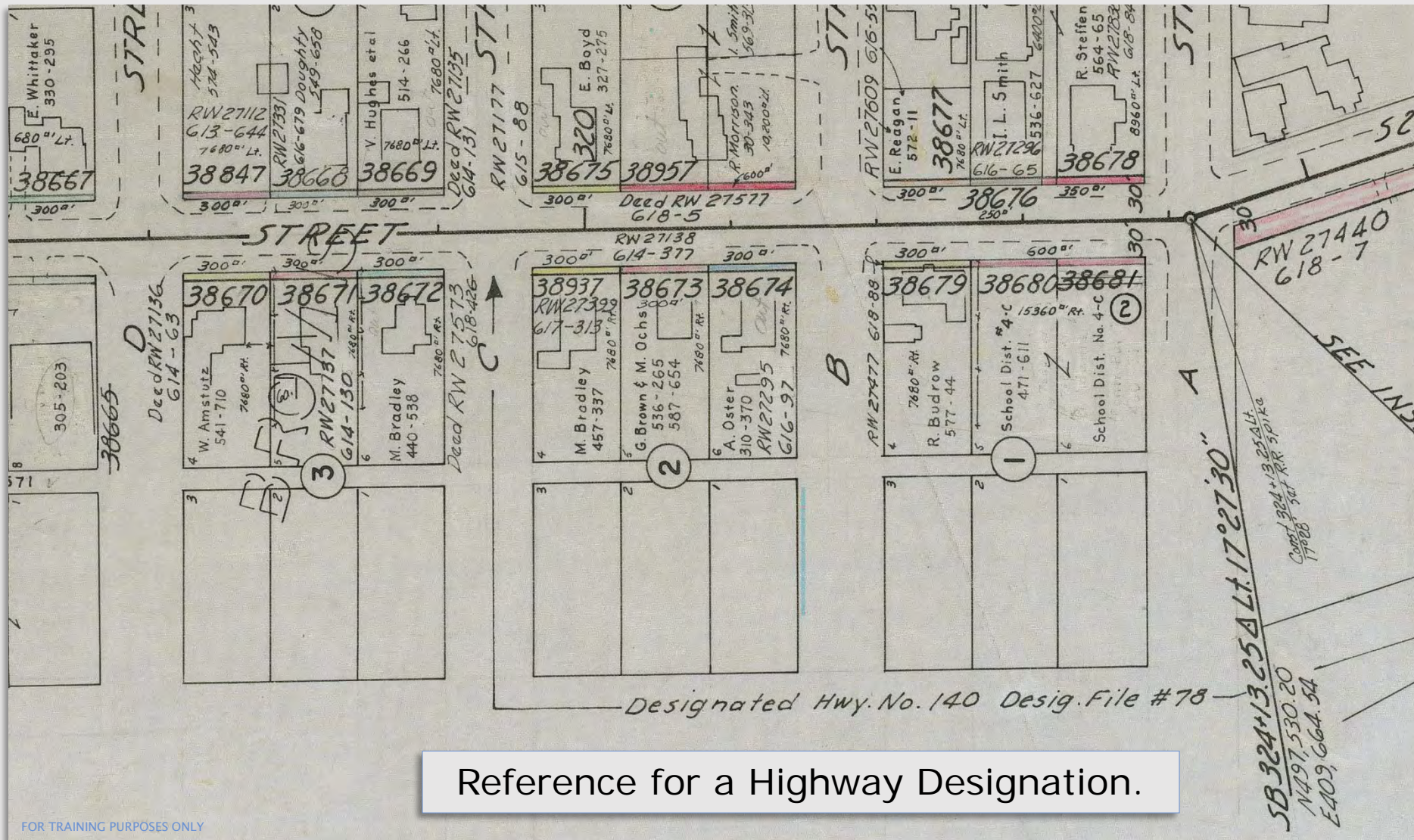
## READING AND INTERPRETING RIGHT OF WAY MAPS

Monuments that were set after the project completion were noted on map





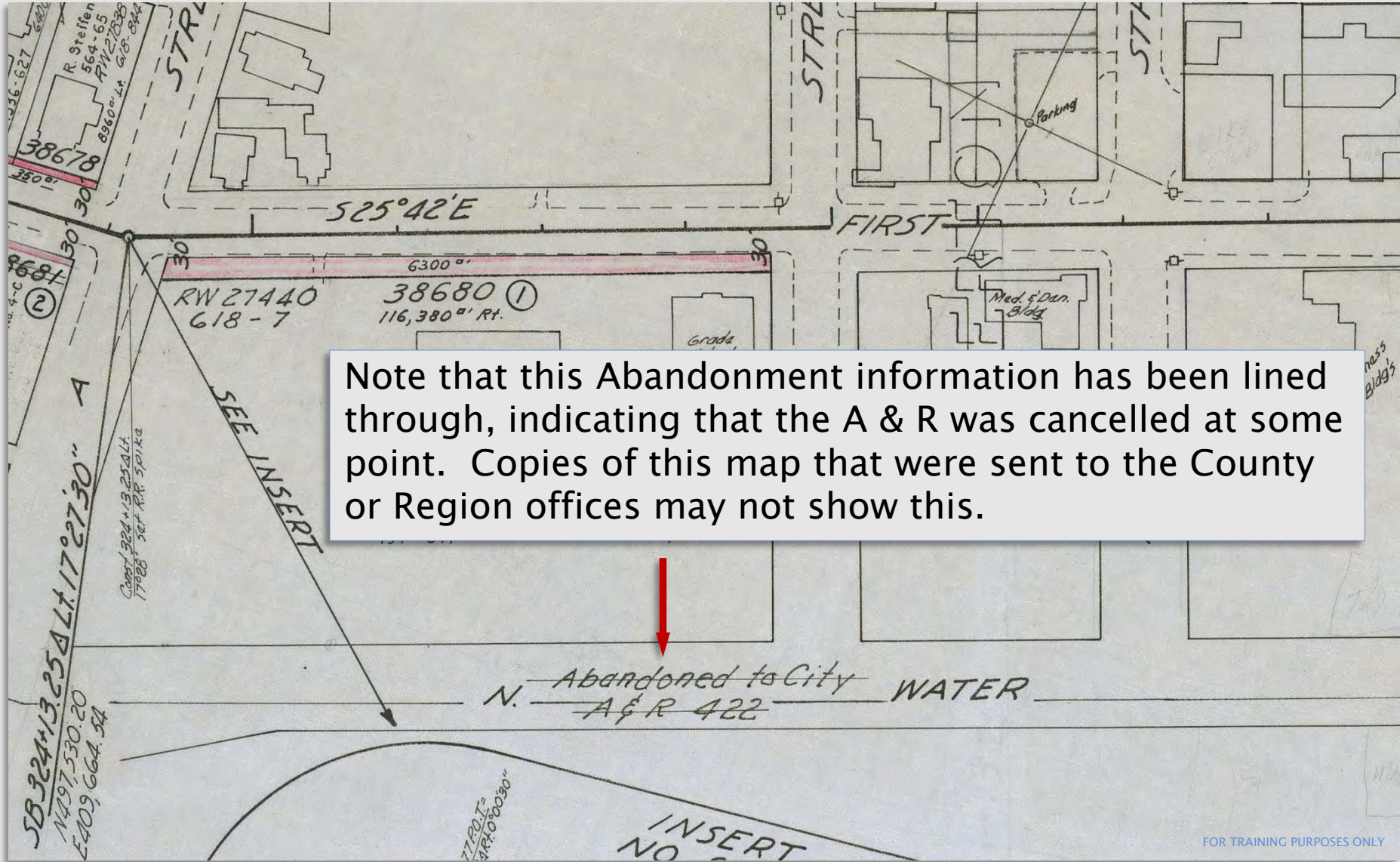
## READING AND INTERPRETING RIGHT OF WAY MAPS



Reference for a Highway Designation.



## READING AND INTERPRETING RIGHT OF WAY MAPS





## READING AND INTERPRETING RIGHT OF WAY MAPS

OREGON STATE HIGHWAY DEPARTMENT

Located Line

# CHEMULT-BEAVER MARSH SECTION

## THE DALLES-CALIFORNIA HIGHWAY

### KLAMATH COUNTY

Scale: 1"=100'

Mar., 1945  
Rev. Feb., 1954

Revised November, 1981  
September, 2000 ZH  
MARCH, 2002 SJS  
MAY, 2002, SJS  
July, 2003 NHW

DRG. No. 6B-14-3

ACCESS CONTROL LINE

Dates that the drawing was revised are drafted within the front title area.





## READING AND INTERPRETING RIGHT OF WAY MAPS

This is a reference to an adjoining map. In this case it is most likely Part 1 of 2 of this series.

← See 7B-24-8

OREGON STATE HIGHWAY DEPARTMENT

Located Line

# GOBLE - ST. HELENS SECTION COLUMBIA RIVER HIGHWAY

COLUMBIA COUNTY

Scale: 1 inch = 100 feet

Traced by H. K. E.

November, 1953  
Rev. Aug., 1977

Mar., 1989

April, 1990

Nov., 2000

May, 2002 srm

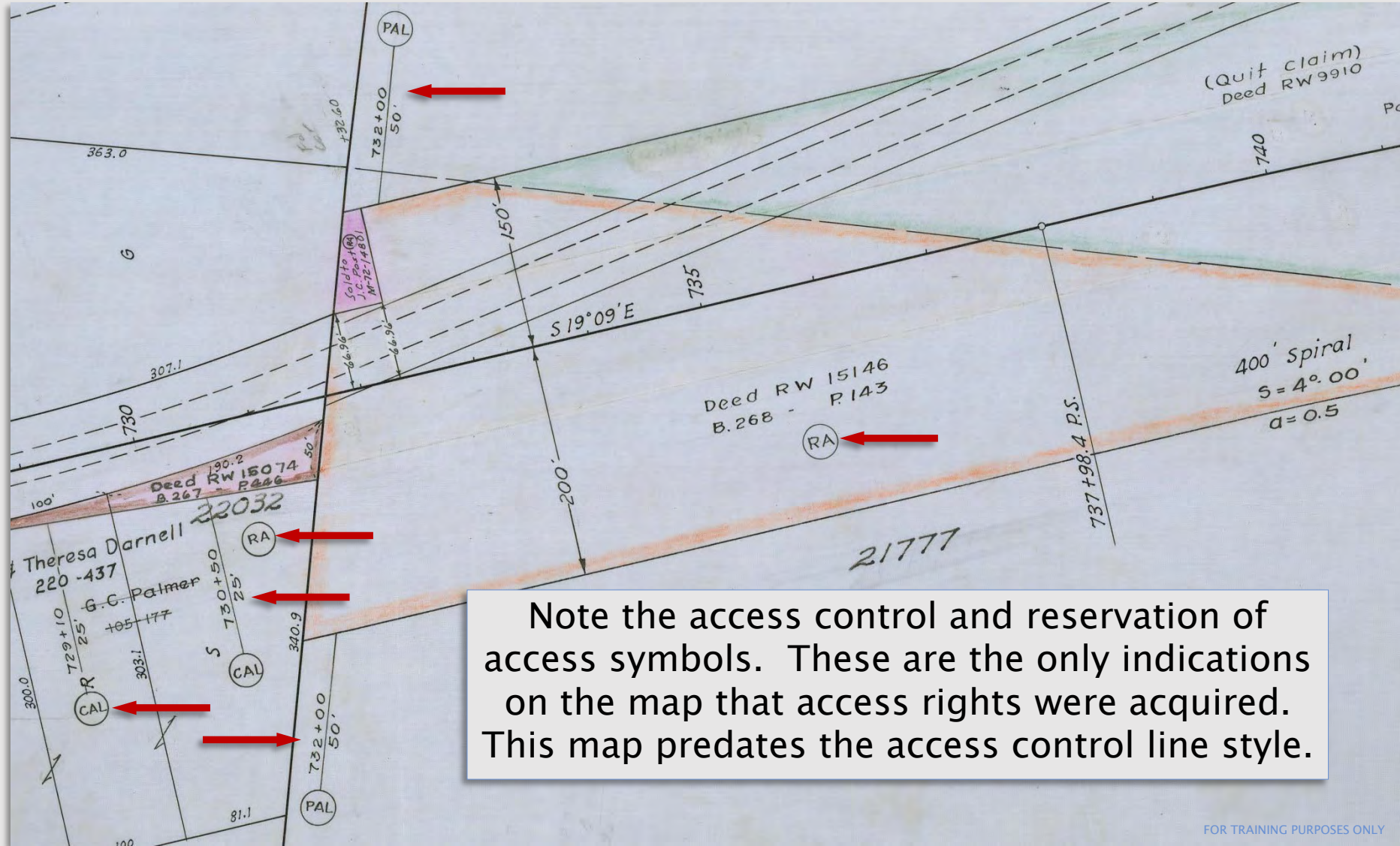
GRID BEARINGS - NORTH ZONE

PART 2 OF 2 PARTS

DRG. NO. 7B - 24 - 9



## READING AND INTERPRETING RIGHT OF WAY MAPS

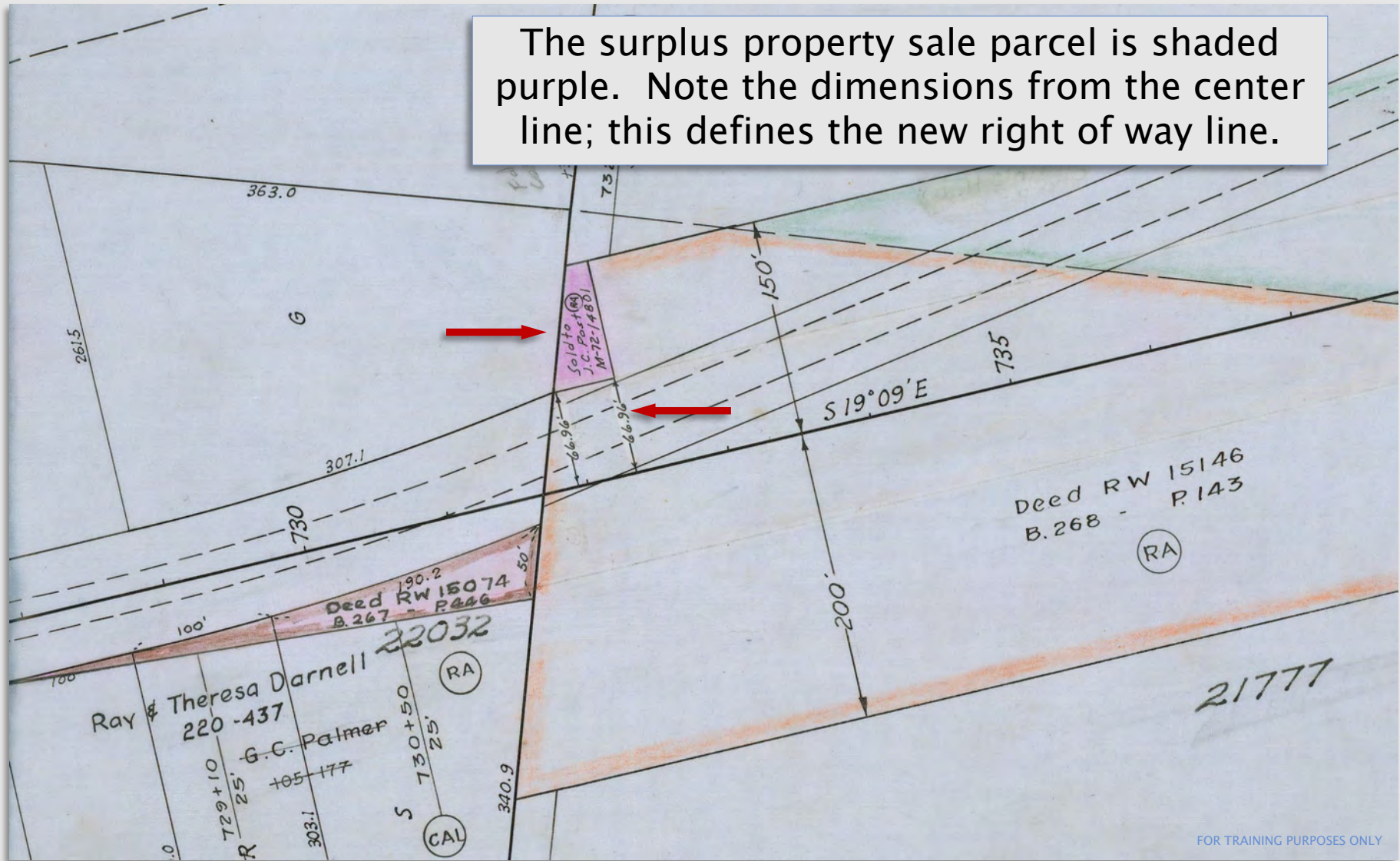


Note the access control and reservation of access symbols. These are the only indications on the map that access rights were acquired. This map predates the access control line style.



## READING AND INTERPRETING RIGHT OF WAY MAPS

The surplus property sale parcel is shaded purple. Note the dimensions from the center line; this defines the new right of way line.





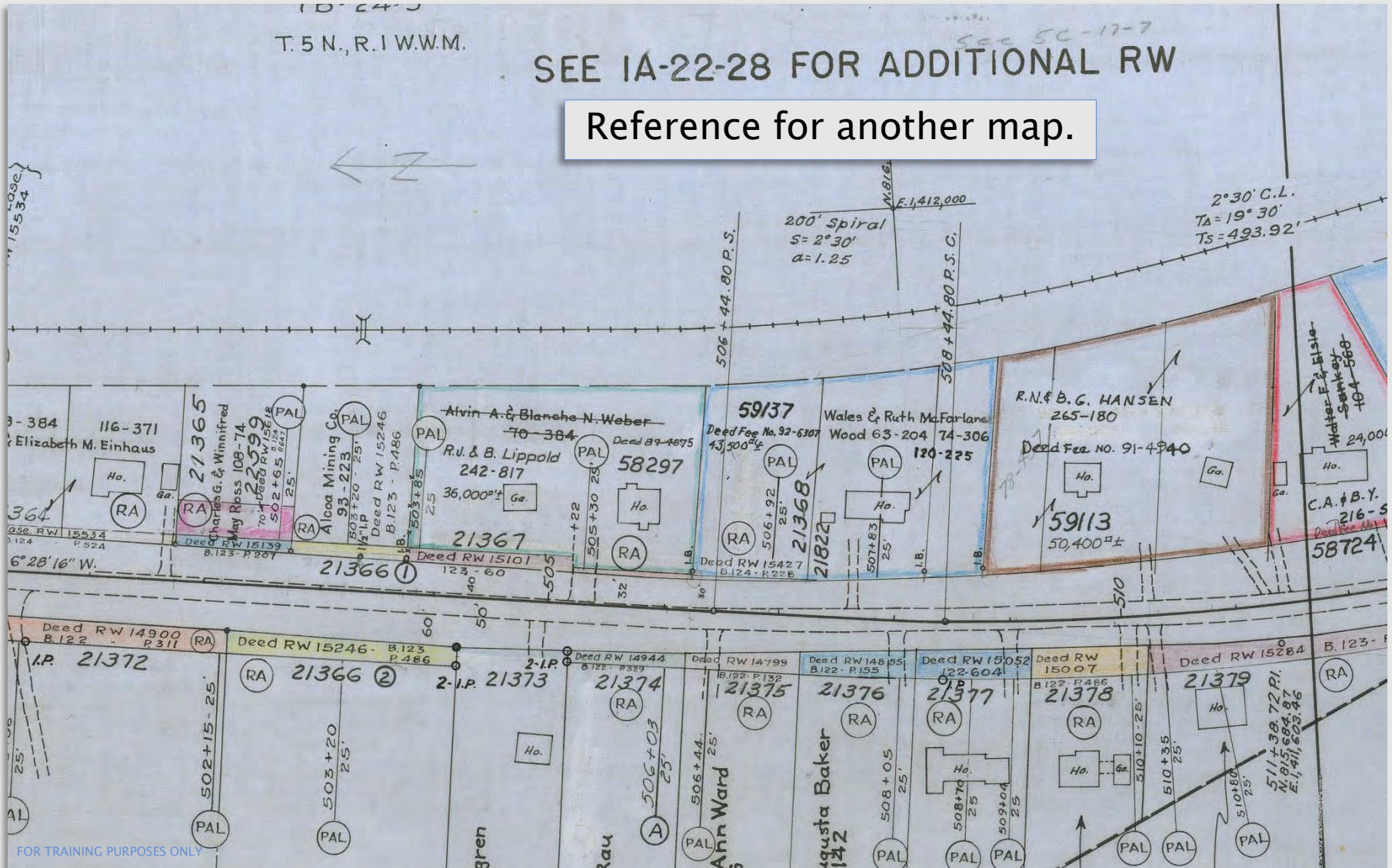


## READING AND INTERPRETING RIGHT OF WAY MAPS

T.5 N., R.1 W.W.M.

SEE IA-22-28 FOR ADDITIONAL RW

Reference for another map.

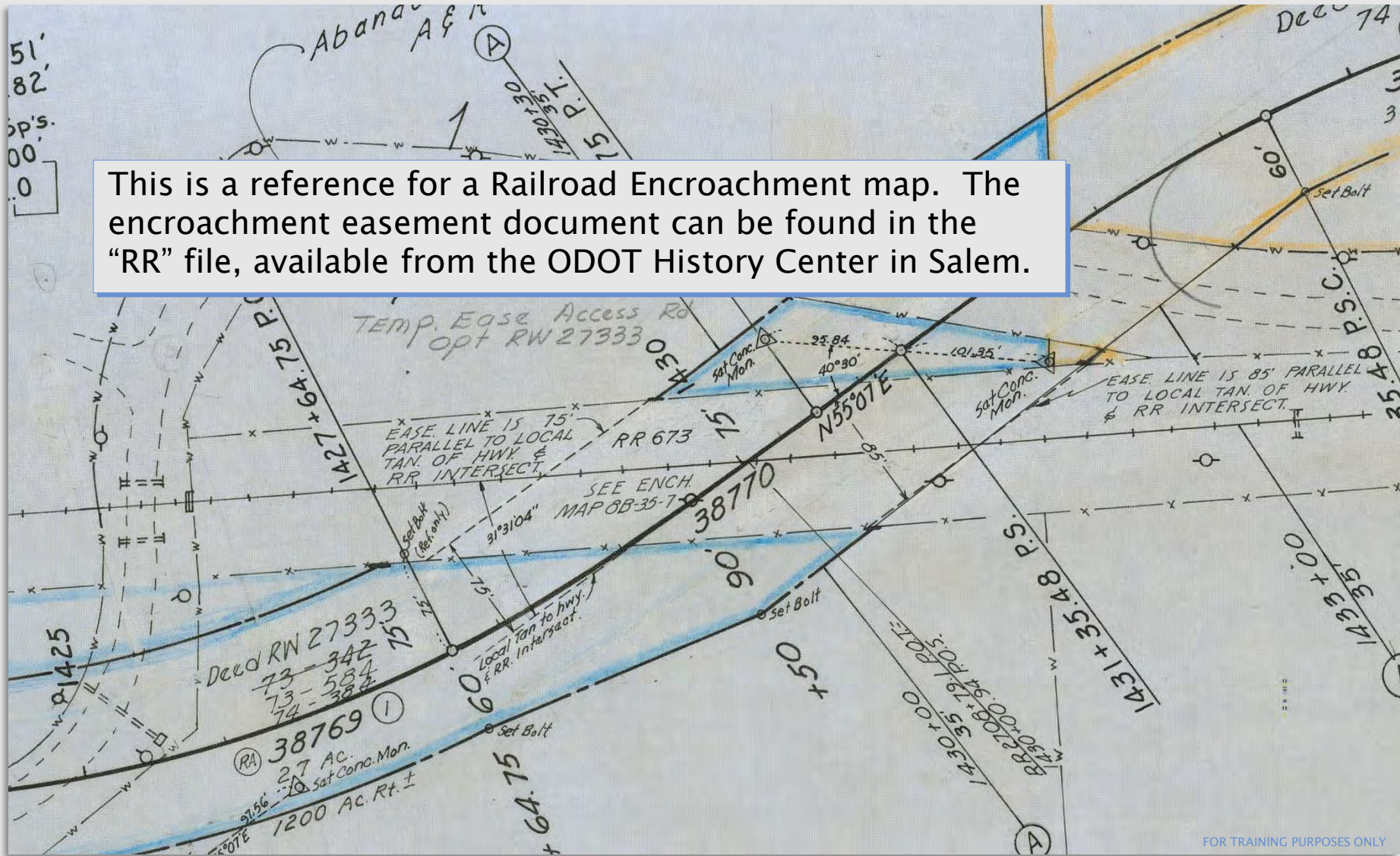


FOR TRAINING PURPOSES ONLY



## READING AND INTERPRETING RIGHT OF WAY MAPS

This is a reference for a Railroad Encroachment map. The encroachment easement document can be found in the "RR" file, available from the ODOT History Center in Salem.





## READING AND INTERPRETING RIGHT OF WAY MAPS

### CANEMAH - NEW ERA SECTION

#### PACIFIC HIGHWAY

#### CLACKAMAS COUNTY

Scale 1 in. = 50 ft.

Dec. 1925

DR'G. No. 4 B-6-3

REVISED: 12-20-01 S.C.C.  
7-19-02 R.V.

*Note: Constructed Line shown in Red*

Various types of information may be penned in different locations along the map.

*NOTE: The Right-of-Way as shown on this map was acquired by Resolution by Clackamas County. (Except as otherwise indicated)*

*The center line of the strip acquired by Resolution is shown by a heavy solid black line. Later revision shown by lighter broken line and curve data therefor is indicated "First Rev."*

*Line as finally constructed shown by solid line (red on tracing) and curve data designated "Constructed Line"*

*Note:  
The limits of the Right of Way from the 1946 Relocated Cent. except as noted.*

*The transfer of Right of Way (R/W) to this map has not been done should be done before the d*

*The prefix "L" pertains to the*

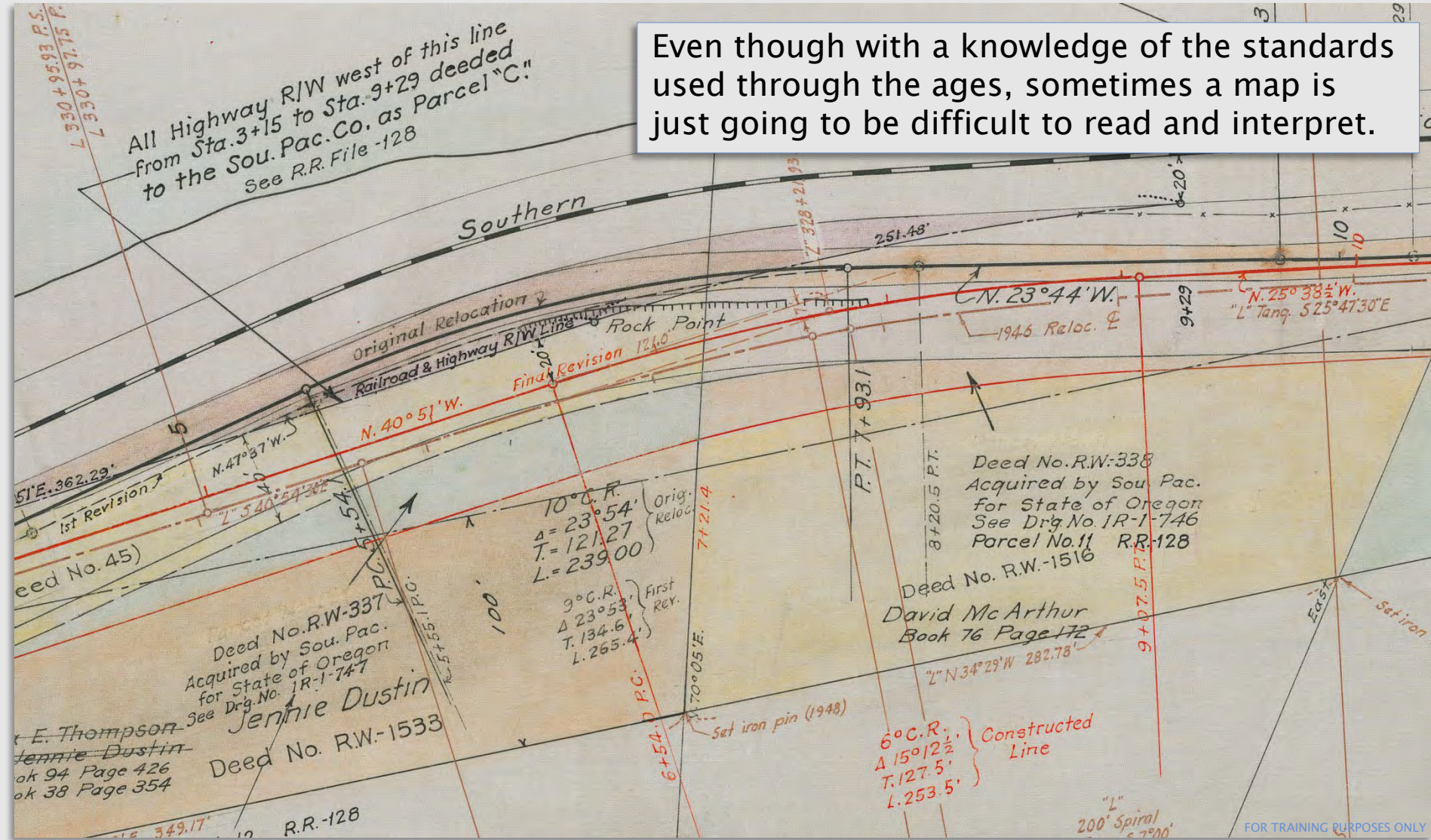






## READING AND INTERPRETING RIGHT OF WAY MAPS

Even though with a knowledge of the standards used through the ages, sometimes a map is just going to be difficult to read and interpret.





## READING AND INTERPRETING RIGHT OF WAY MAPS

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- For more information on the right of way maps and right of way engineering in general, refer to the Right of Way Engineering Manual, available on the ODOT web site.