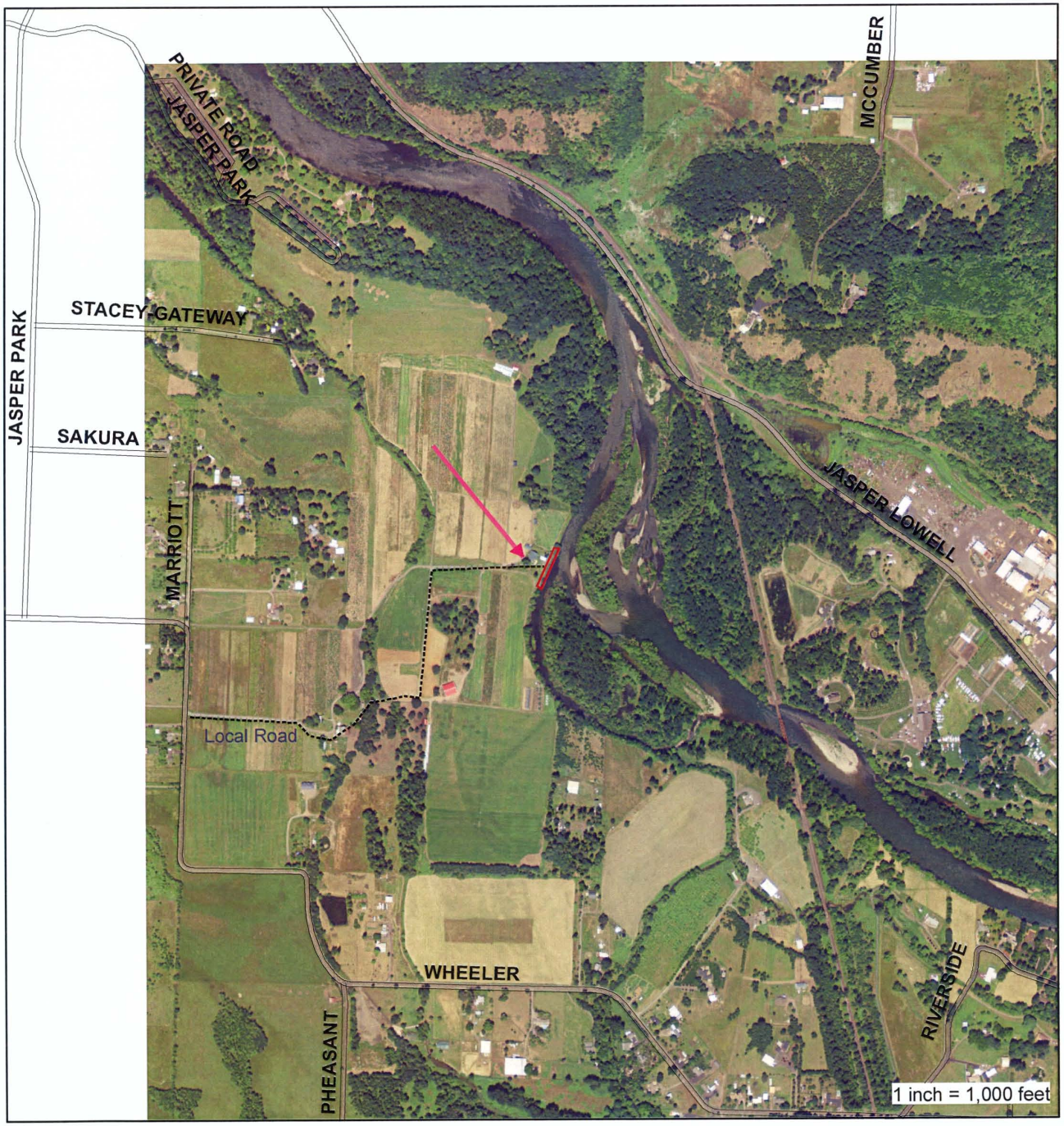

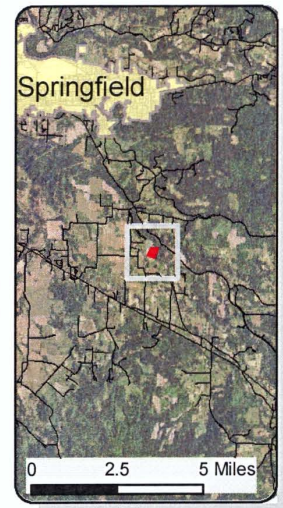

Legend

Stabilization_area

SOURCE

Data provided by Lane Council of Governments,
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Schutte Property
Streambank Stabilization JPA

LOCATION MAP

0 5000
Feet

Revisions

#	Date	Description

Project Number: 1337
Drawn By: BTM
Checked
Date: 10.2.2013

FIGURE 1

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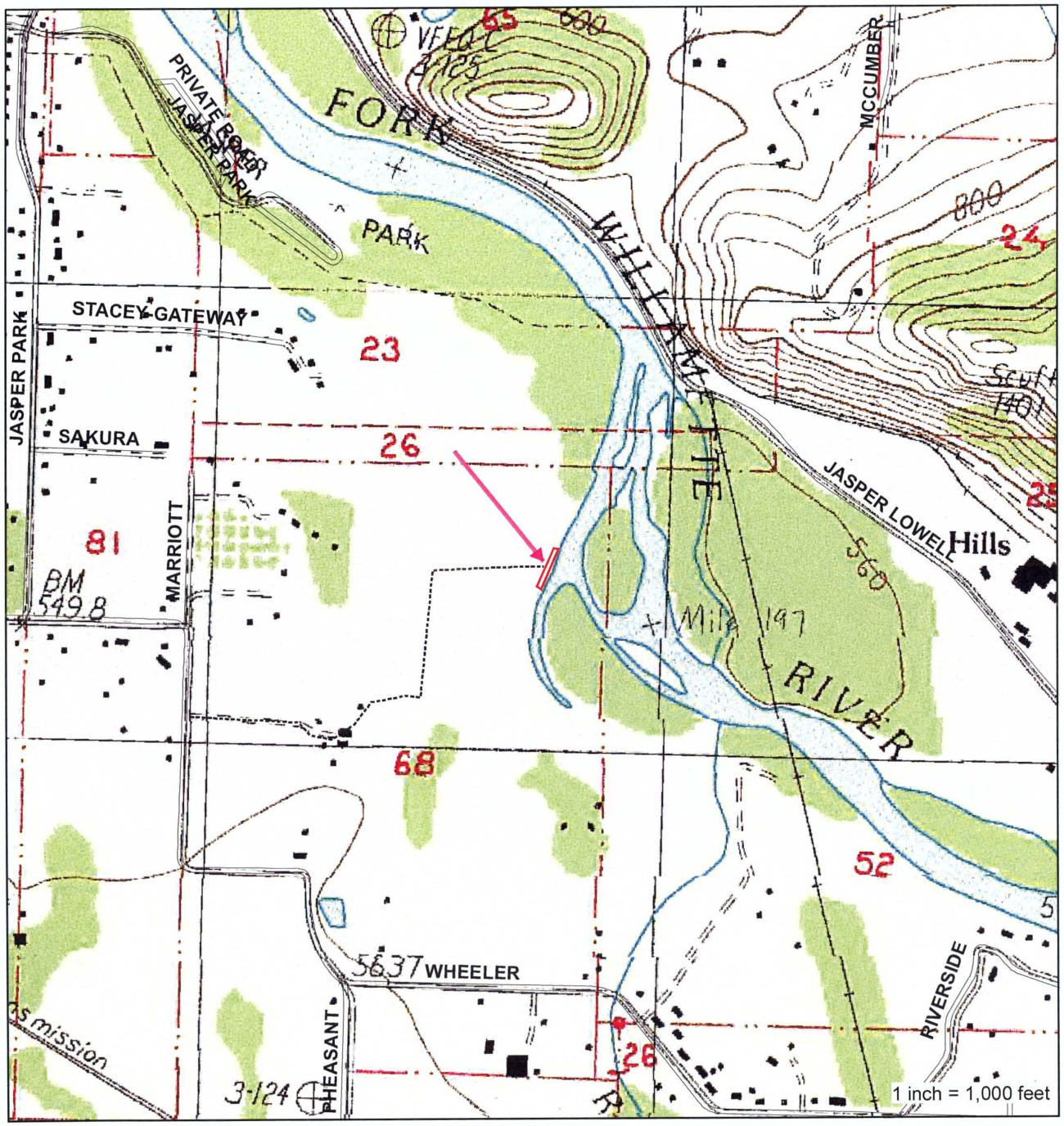

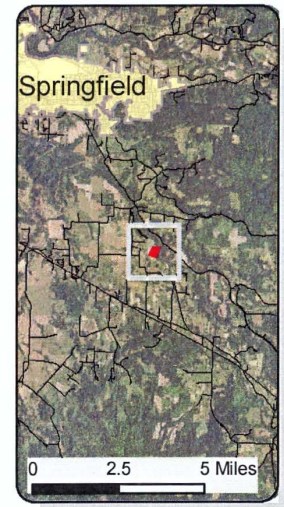

Legend

Stabilization_area

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USGS TOPO MAP

0 100 200 Feet

Revisions

#	Date	Description

Project Number: 1337
Drawn By: BTM
Checked
Date: 10.2.2013

FIGURE 2

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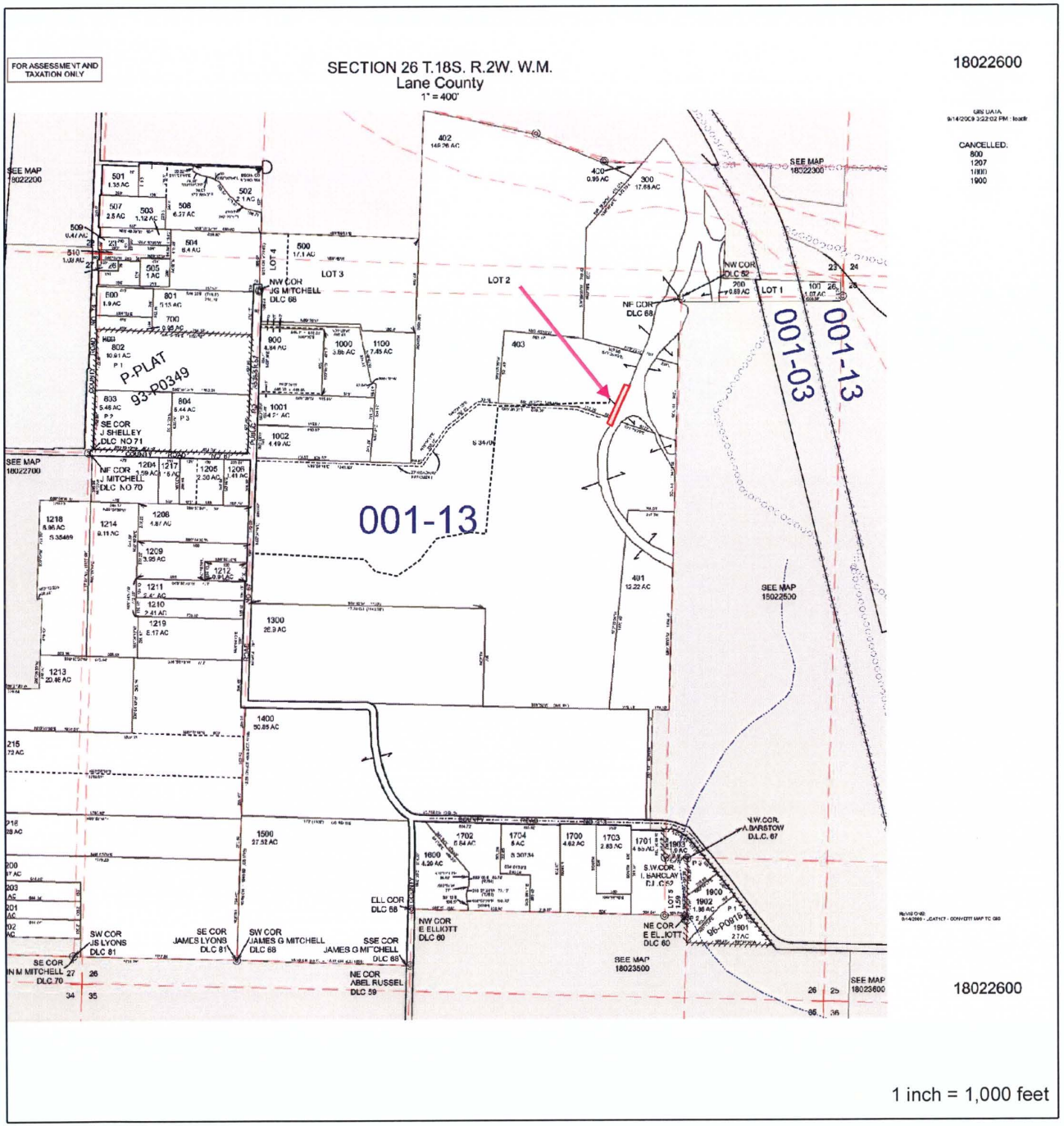

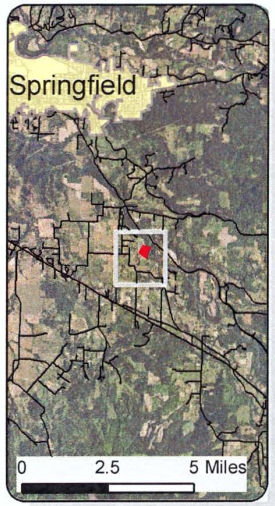

Legend

Stabilization_area

SOURCE

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TAXLOT MAP

0 100 200
Feet

Revisions

#	Date	Description

Project Number: 1337
Drawn By: BTM
Checked:
Date: 10.2.2013

FIGURE 3

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CLASS II RIP-RAP
SIZE OF STONE
% OF TOTAL WEIGHT SMALLER THAN GIVEN SIZE
700 LB 100
500 LB 80
200 LB 50
20 LB 10
NEW RIPRAP (Class II)
EDGE OF WATER (AUGUST 2013)
ORDINARY HIGH WATER LINE
EXISTING RESIDENCE
A
A'
B
B'
SITE PLAN
Schutte Bank Stabilization
36777 Wheeler Road, Pleasant Hill, Oregon 97455
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Phone: 541.686.4540 Fax: 541.686.4577
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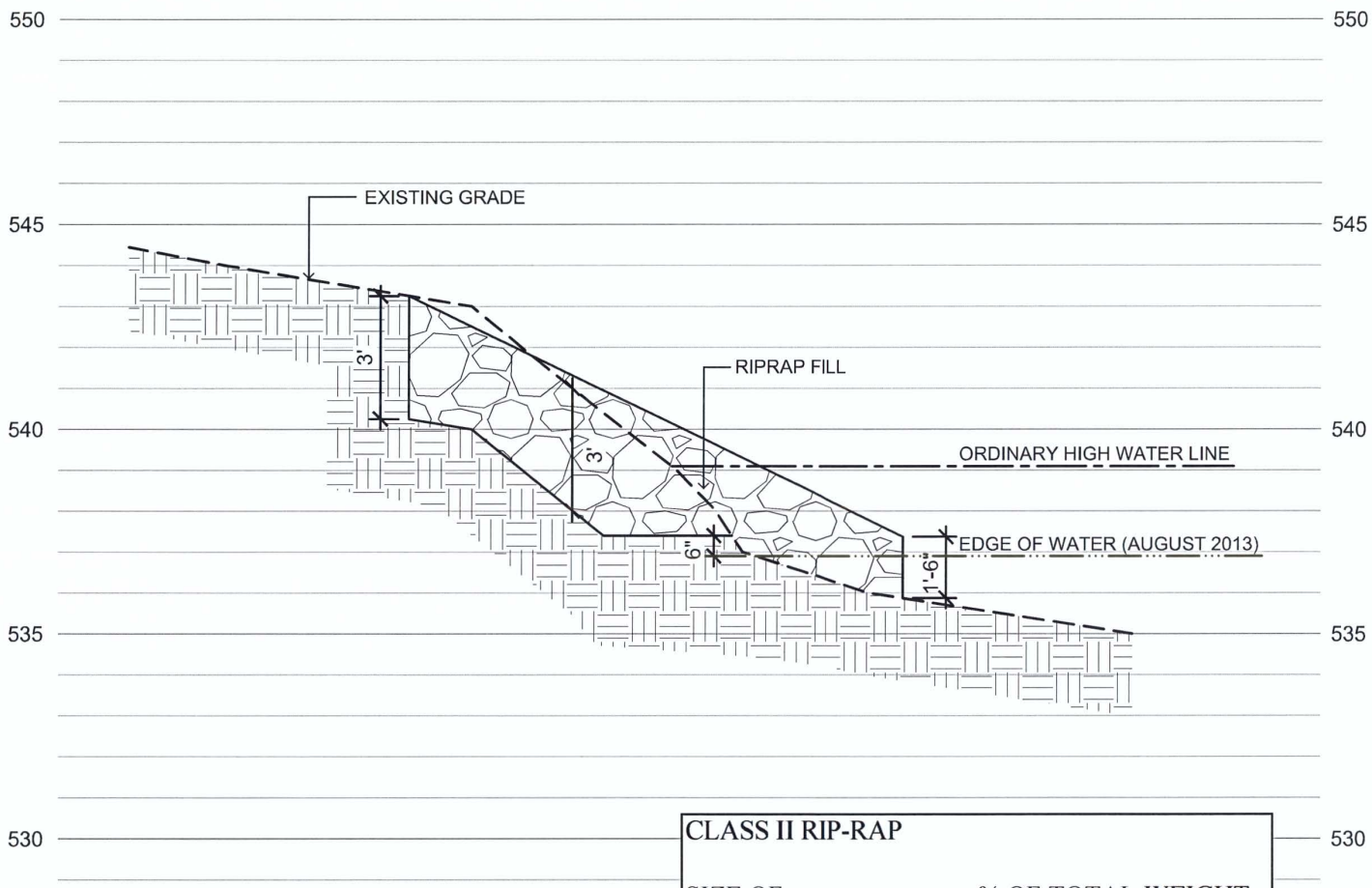
Scale: 1" = 50' - 0"
0 25 50 100
Project Number 1337
Drawn By bhm/jsb
Checked bhm
Date 10.30.2013
Phase JPA
Figure 4
© 2013, SCHIRMER SATRE GROUP



SECTION A

CLASS II RIP-RAP

SIZE OF STONE	% OF TOTAL WEIGHT SMALLER THAN GIVEN SIZE
700 LB	100
500 LB	80
200 LB	50
20 LB	10

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Scale: 1/4" = 1' - 0"
0 2 4 8

SECTION A

Schutte Bank Stabilization
36777 Wheeler Road, Pleasant Hill, Oregon 97455

Project Number	1337
Drawn By	bm/jsb
Checked	bm
Date	10.30.2013
Phase	JPA

Figure 5A

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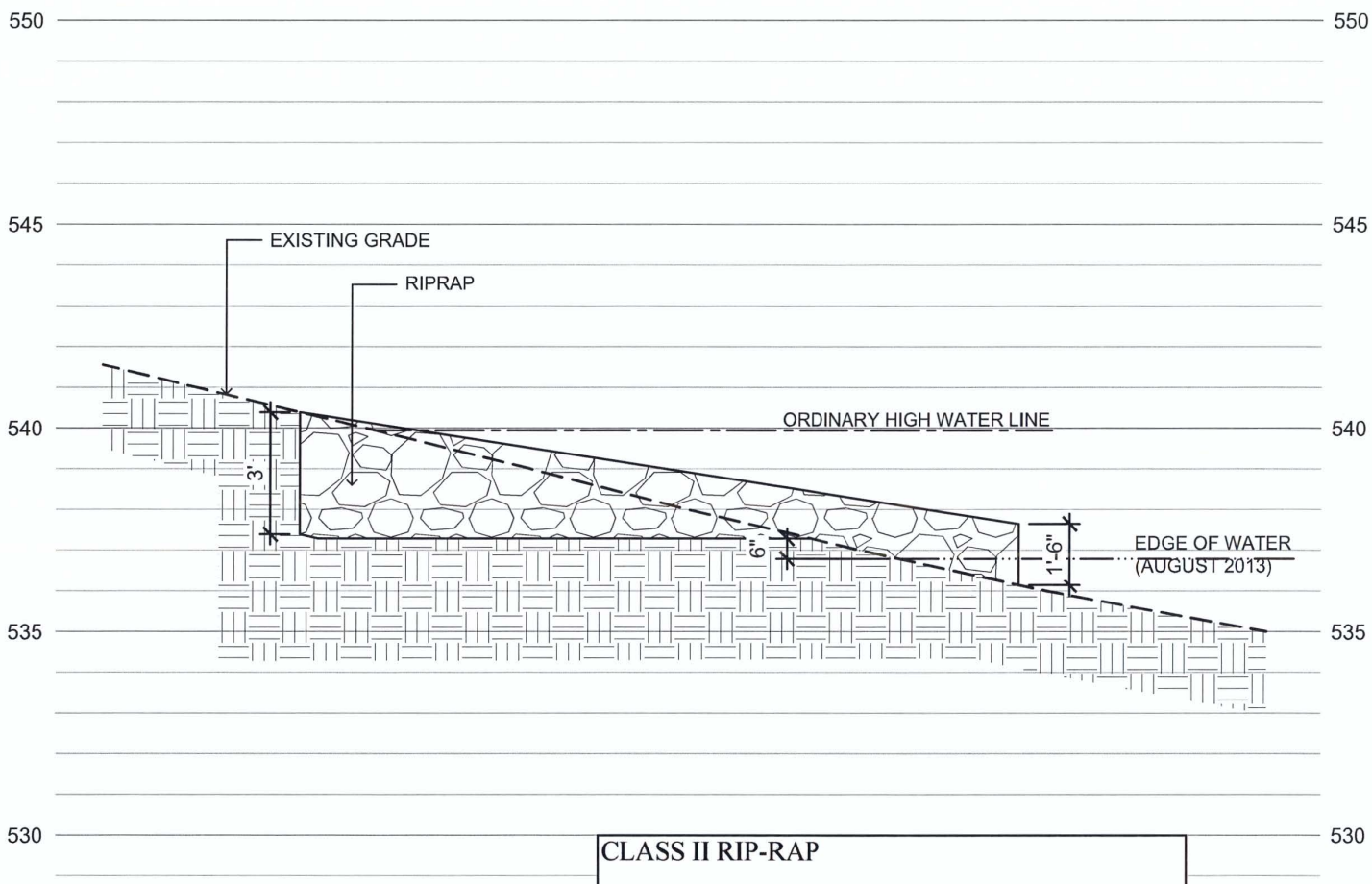

SECTION B

CLASS II RIP-RAP	
SIZE OF STONE	% OF TOTAL WEIGHT SMALLER THAN GIVEN SIZE
700 LB	100
500 LB	80
200 LB	50
20 LB	10

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Scale: 1/4" = 1' - 0"
0 2 4 8

SECTION B

Schutte Bank Stabilization
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Project Number 1337
Drawn By btm/jsb
Checked btm
Date 10.30.2013
Phase JPA

Figure 5B

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Legend

- Stabilization_area
- Relevant Schutte Lots

SOURCE

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Schutte Property
Streambank Stabilization JPA

2012 Aerial

0 50 100 Feet

No.	Date	Description

Project Number: 1337
Drawn By: BTM
Checked:
Date: 10.8.2013

FIGURE 6

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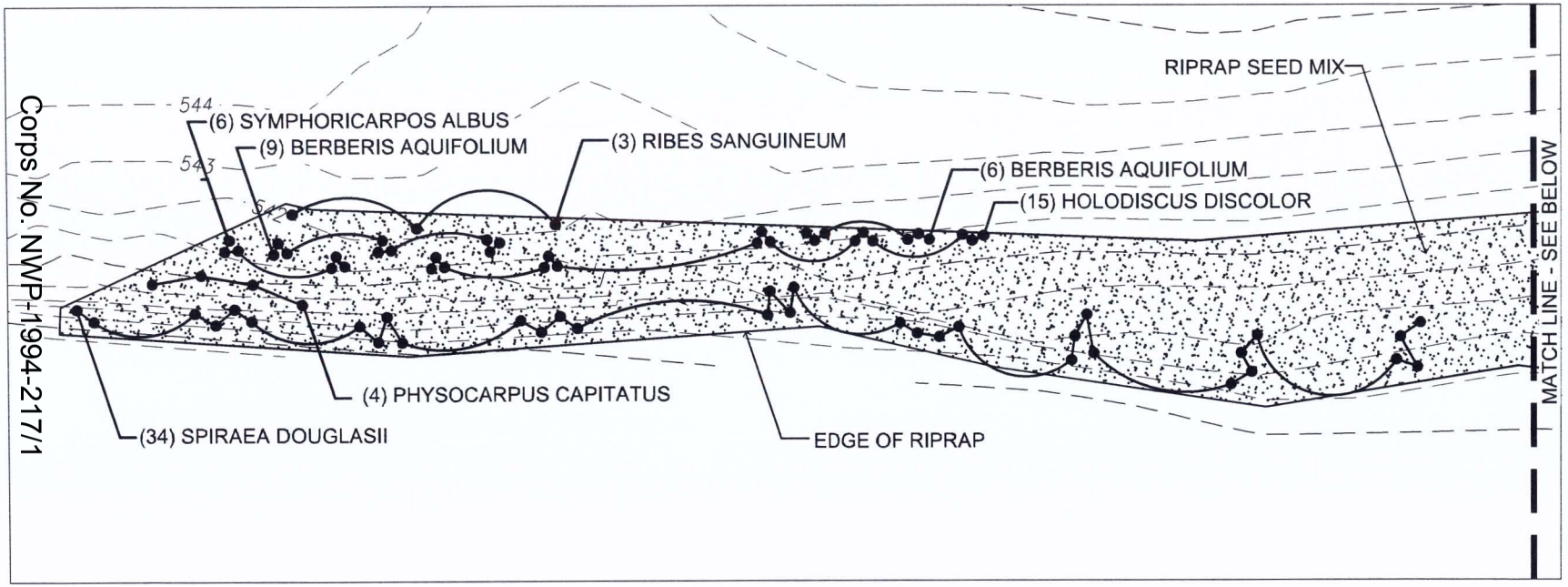
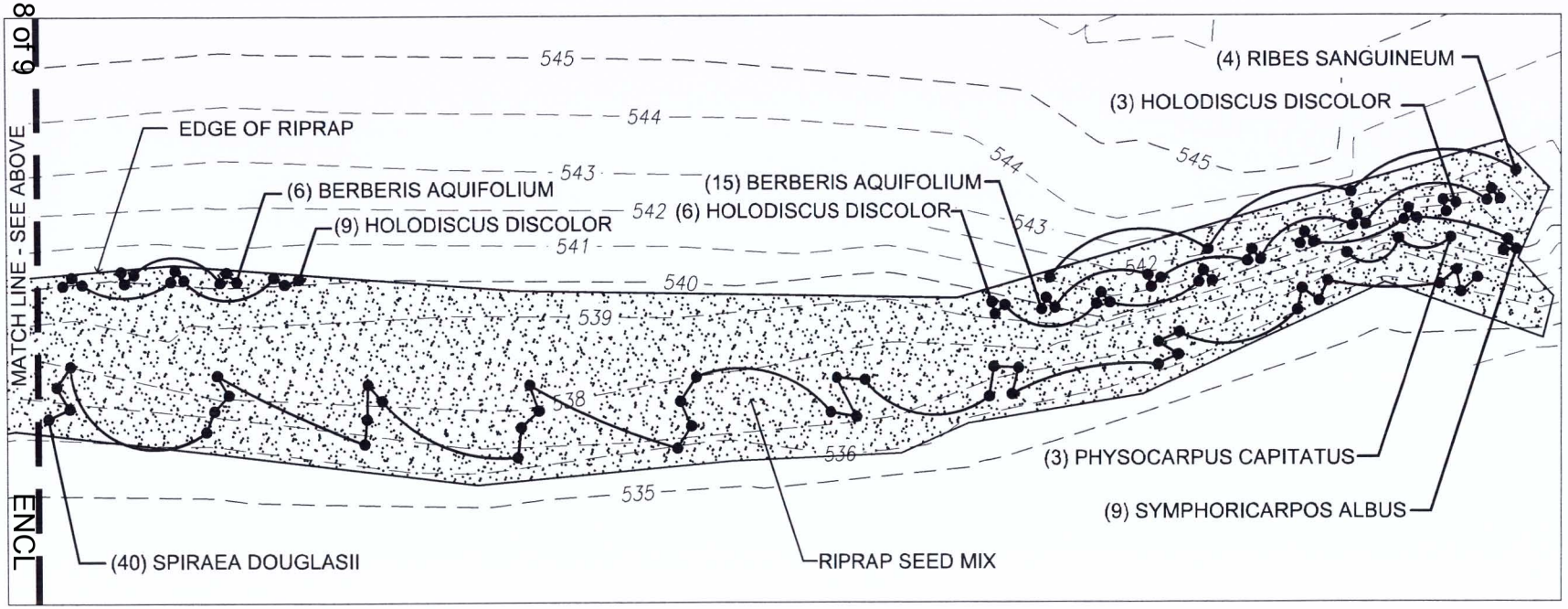


1 PLANTING PLAN - SOUTH

SEE FIGURE 7B FOR SEED MIX, PLANT LIST, AND NOTES.



2 PLANTING PLAN - NORTH

Corps No. NWP-1994-217/1

Page 8 of 9

ENCL

LANDSCAPE ARCHITECTS
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Scale: 1" = 20' - 0"

0 10 20 40

PLANTING PLAN

Schutte Bank Stabilization

36777 Wheeler Road, Pleasant Hill, Oregon 97455

Project Number	1337
Drawn By	blm/jso
Checked	blm
Date	05.19.2014
Phase	JPA

Figure 7A

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SEED MIX

RIP RAP SEED MIX (50% graminoids, 12% annual forbs, 38% perennial forbs); drought tolerant/high pollinator value [site on river and flood 1x/decade] $96/lb 174,209 seeds/lb 9-11 PLS lb/ac = 36-44 seeds/ft 2	a/p	seed/lb	%
Carex pachystachya	p	908,000	5
Danthonia californica	p	140,000	15
Elymus glaucus	p	120,000	10
Juncus tenuis	p	20,000,000	5
Poa secunda (P. scabrella)	p	1,200,000	15
Achillea millefolium	p	1,418,947	2
Aquilegia formosa	p	248,000	2
Camassia leichtlinii	p	49,890	1
Clarkia amoena	a	1,031,818	2
Collinsia grandiflora	a	464,687	2
Eriophyllum lanatum	p	1,169,047	4
Geum macrophyllum	p	760,037	4
Grindelia integrifolia	p	127,508	1
Heuchera chlorantha	p	7,264,000	1
Lomatium dissectum	p	28,499	3
Lomatium nudicaule	p	39,557	3
Lupinus polycarpus (L. micranthus)	a	58,589	1
Madia elegans	a	213,145	2
Mimulus guttatus	a	45,360,000	1
Lotus purshianus	a	86,806	2
Phacelia heterophylla	p	559,172	2
Plagiobothrys nothofulvus	a	767,324	1
Plectritis congesta	a	1,311,698	1
Prunella vulgaris v. lanceolata	p	400,228	2
Ranunculus occidentalis	p	199,999	5
Triteleia hyacinthina (B. hyacinthina)	p	333,000	3
Sidalcea malviflora ssp. virgata	p	133,000	5
			100

Source:
Heritage Seedlings, Inc • 503-585-9835 • (www.heritageseedlings.com)

PLANT LIST - SHRUBS

Qty.	Species	Wetland Indicator Status	Size	Type	Spacing	Elevation Above Edge of Water
36	Berberis (Mahonia) aquifolium	UPL	1'-3'	Bare Root	Clumps of 3, 12 ' o.c.	≥3'
33	Holodiscus discolor	FACU	2'-3'	Bare Root	Clumps of 3, 12 ' o.c.	≥3'
7	Physocarpus capitatus	FACW	2'-3'	Bare Root	6' o.c.	1' - 3'
7	Ribes sanguineum	FACU	1'-3'	Bare Root	20' o.c.	>5'
74	Spiraea douglasii	FACW	2'-3'	Bare Root	Clumps of 4, 18' o.c.	0' - 2'
15	Symphoricarpos albus	FACU	2'-3'	Bare Root	Clumps of 3, 12 'OC	≥3'

NOTES

1. FILL ALL VOIDS IN RIPRAP WITH SANDY LOAM SOIL UNTIL SOIL IS ROUGHLY FLUSH WITH SURFACE OF RIPRAP .
2. PLANT SHRUBS IN VOIDS IN RIPRAP AS SHOWN ON PLANTING PLAN (FIGURE 7A). ENSURE THAT SOIL IS WELL COMPACTED AROUND ROOTS. WATER SHRUBS WELL IMMEDIATELY FOLLOWING PLANTING.
3. HYDROSEED ALL EXPOSED SOIL WITHIN RIPRAP AND DISTURBED BY CONSTRUCTION WITH SPECIFIED SEED MIX. APPLY SO MULCH LAYER IS NO THICKER THAN 1/4 INCH.

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PLANTING PLAN

Schutte Bank Stabilization

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Project Number	1337
Drawn By	blm/jdb
Checked	blm
Date	05.19.2014
Phase	JPA

Figure 7B