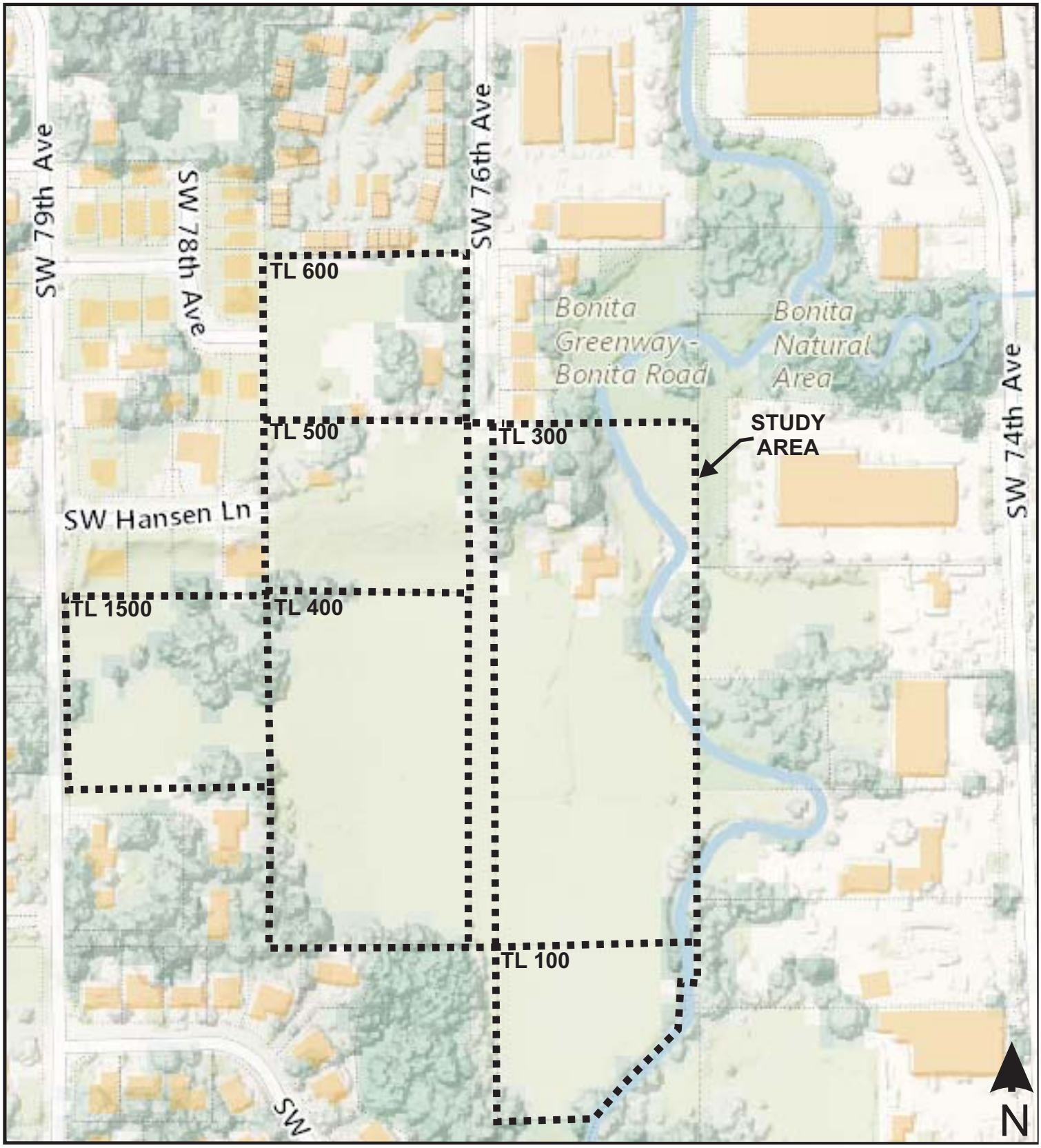
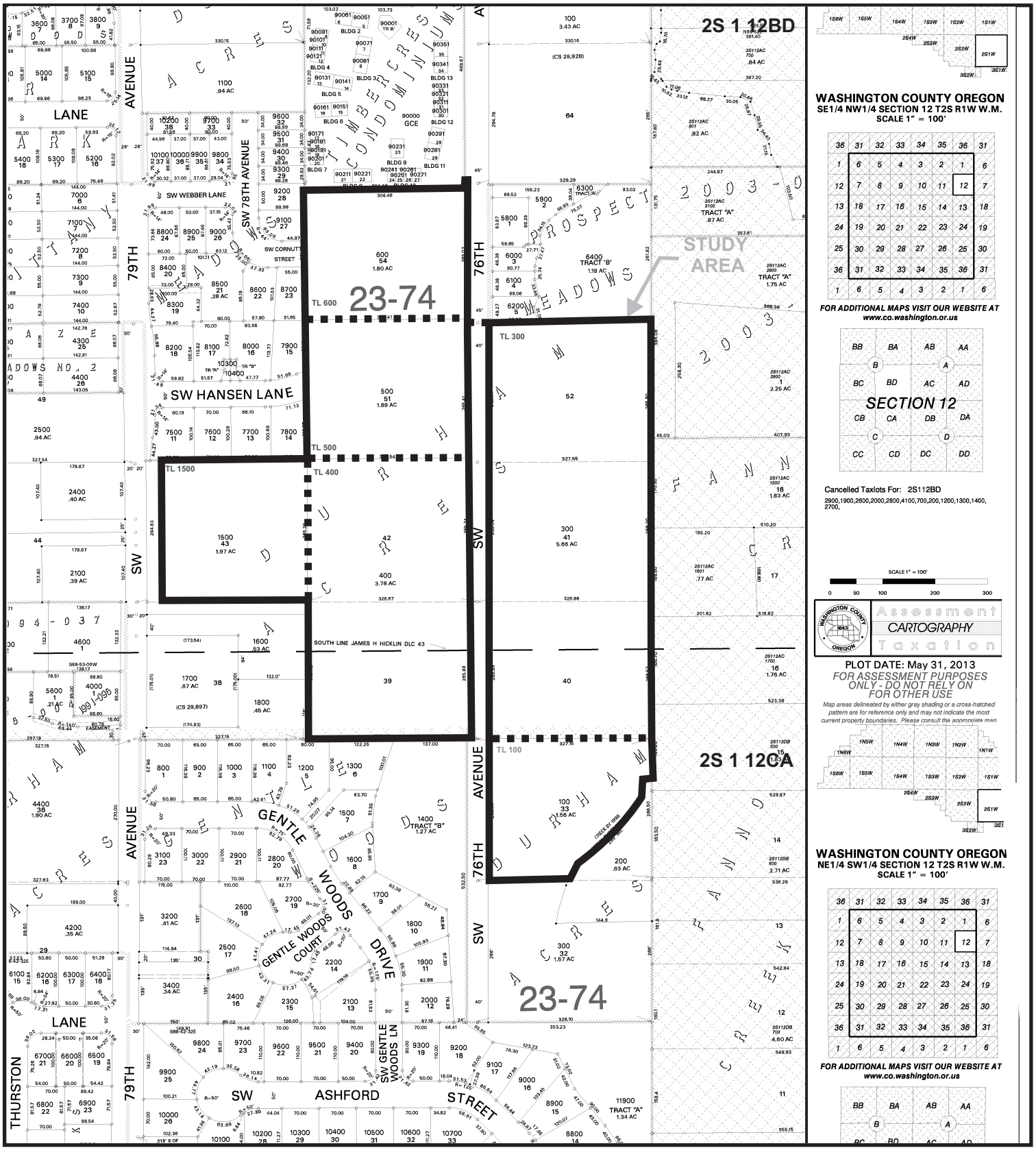


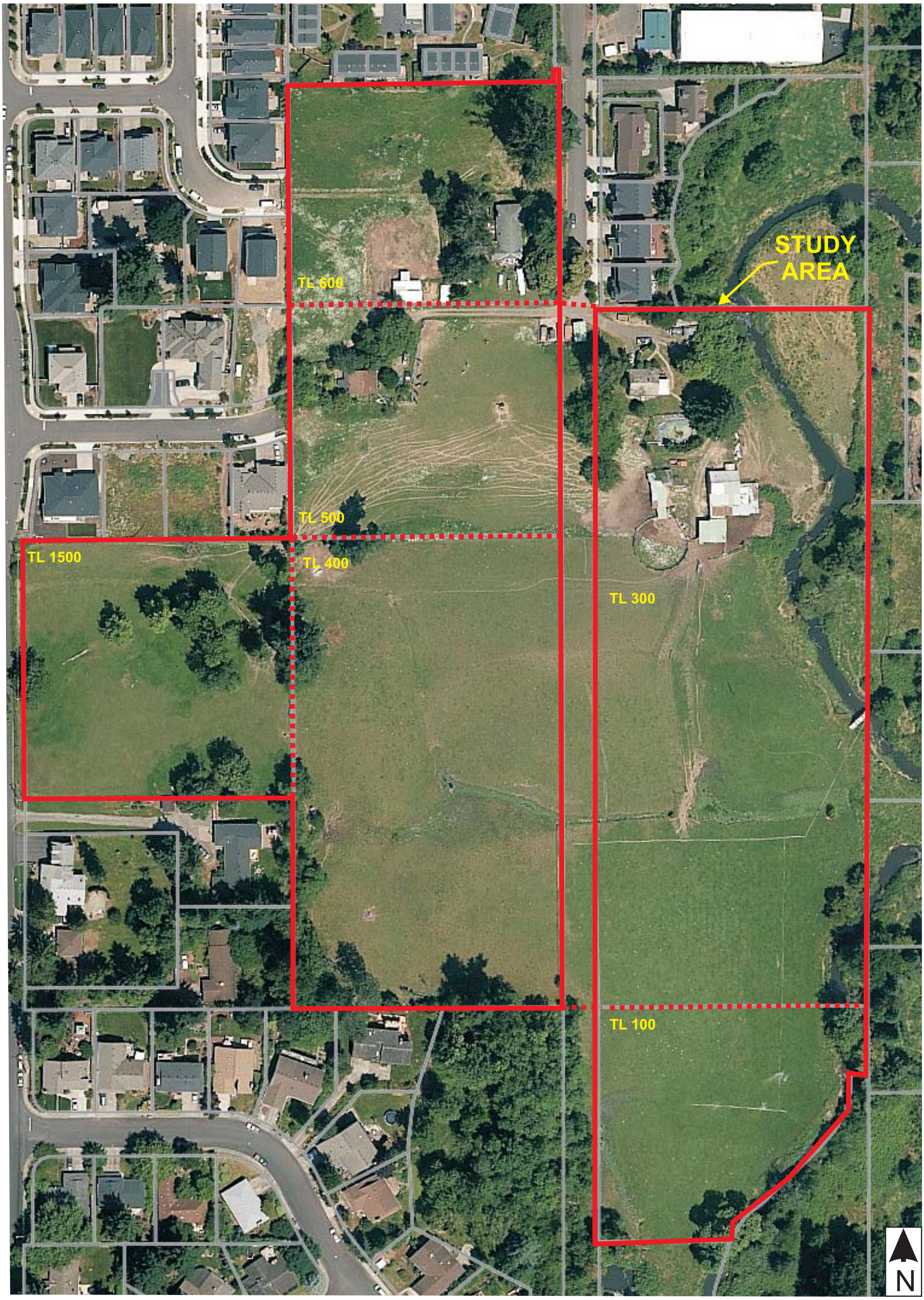
Source: Metro Data Resource Center. http://gis.oregonmetro.gov/metromap/

Environmental Science & Assessment, LLC	Vicinity Map Elderberry Ridge Tigard, Oregon	Figure 1 Approx. Scale: 1in. = 200 ft.



Source: www.ormap.net

Environmental Science & Assessment, LLC	Tax Map Elderberry Ridge Tigard, Oregon	Figure 2 Approx. Scale: 1in. = 200 ft.



Source: Metro Data Resource Center. http://gis.oregonmetro.gov/metromap/

Image Date: 2013

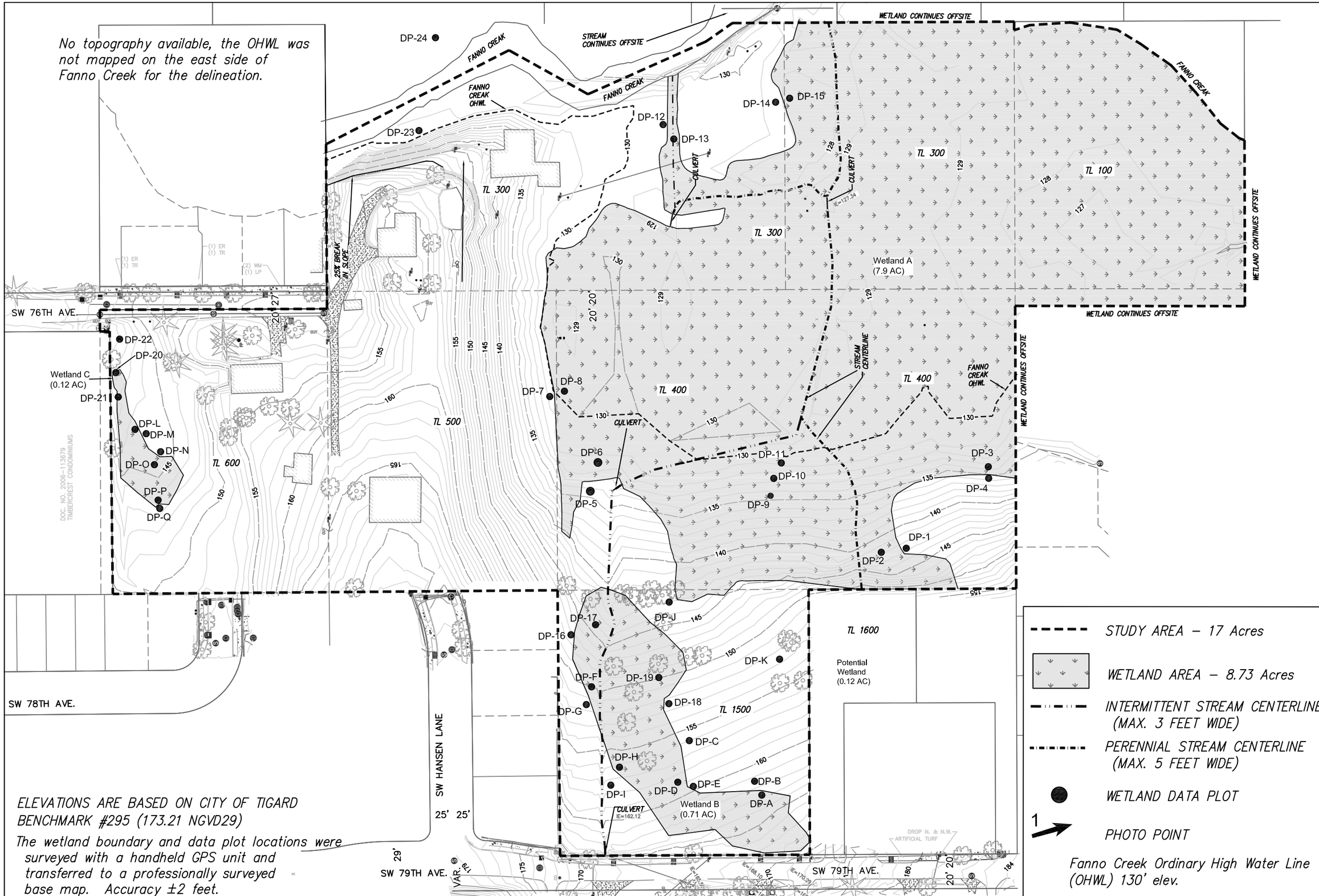
Figure 3

Aerial Photograph
Elderberry Ridge
Tigard, Oregon

0 50 100 200

Approx. Scale:
1in. = 100 ft.

Environmental Science & Assessment, LLC
e s a
107 SE Washington St.
Suite 249
Portland, OR 97214
Phone: 503.478.0424
www.esapdx.com



ELEVATIONS ARE BASED ON CITY OF TIGARD BENCHMARK #295 (173.21 NGVD29)

The wetland boundary and data plot locations were surveyed with a handheld GPS unit and transferred to a professionally surveyed base map. Accuracy ±2 feet.

107 SE Washington St.
Suite 249
Portland, OR 97214
Phone: 503.478.0424
www.esapdx.com

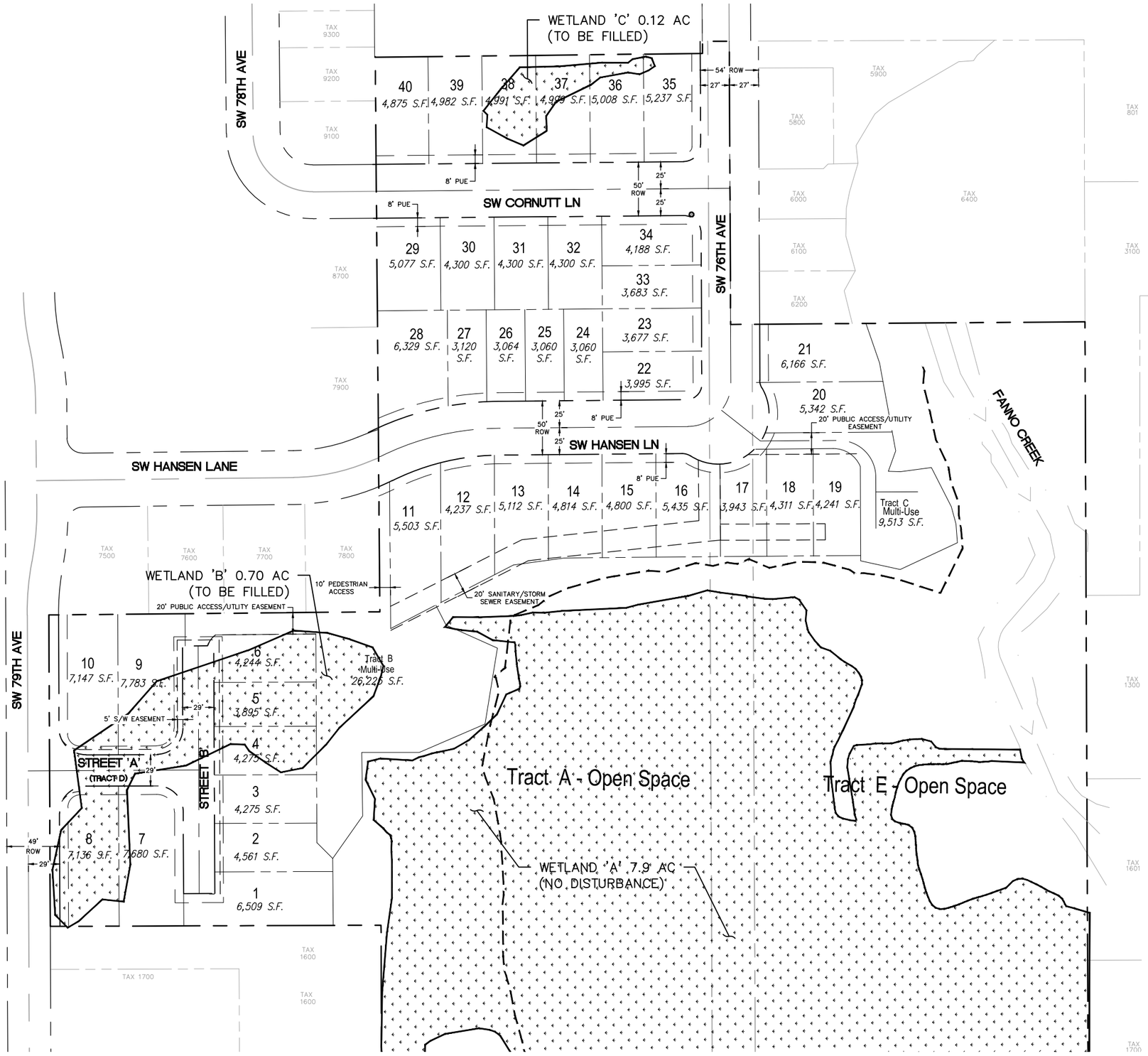
Environmental Science & Assessment, LLC

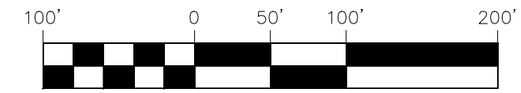
Wetland Map
Elderberry Ridge
Tigard, Oregon

Base Map Source: Westlake Consultants, Inc.

Mod. By:	KR
Date:	2/16
Job:	15060
Rev:	10/16

Fig. 4





SCALE: 1 INCH = 100 FEET

LEGEND

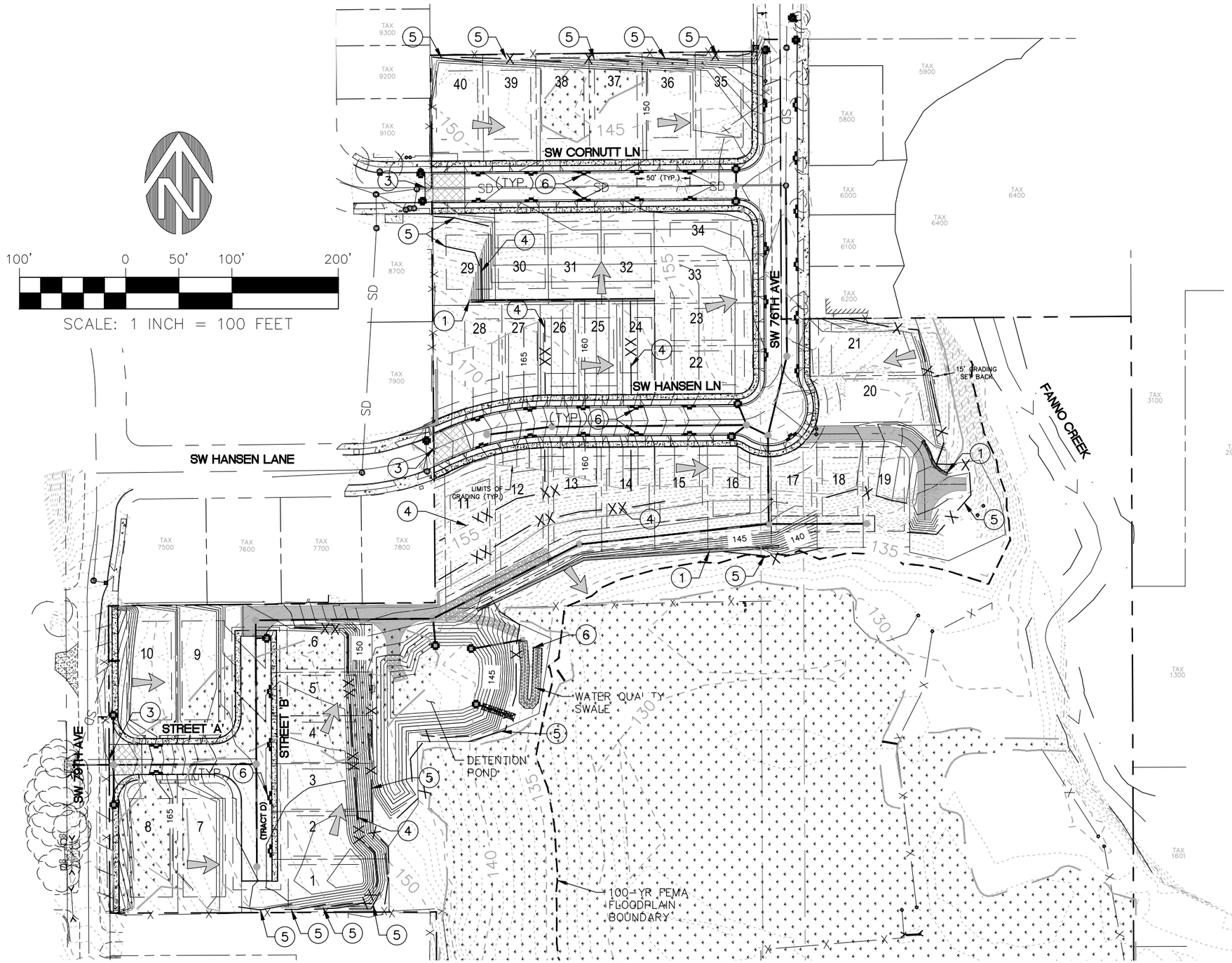
- BOUNDARY LINE
- EXISITNG RIGHT-OF-WAY
- EXISTING CENTERLINE
- EXISTING LOT LINE
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED BUILDING SETBACK
- PROPOSED EASEMENT
- WETLAND
- 100-YR FLOODPLAIN BOUNDARY FEMA MAP NUMBER 41067C0542E EFFECTIVE, 11-4-2016

SITE PLAN (FIGURE 5)

DATE	1/5/2017
DRAWN BY	II
CHECKED BY	DCN
REVISION	0
JOB NO.	1306-06

WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684-0652
FAX (503) 624-0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Exhibits\JPA Exhibits\JPA Site Plan.dwg Jan 10, 2017 - 1:11pm - cmh



CONSTRUCTION KEYNOTES:

1. CONSTRUCTION RETAINING WALL.
2. INSTALL INLET PROTECTION.
3. INSTALL CONSTRUCTION ENTRANCE.
4. INSTALL STRAW WATTLES.
5. INSTALL SILT FENCING.
6. CONSTRUCT WATER QUALITY FACILITY.
7. INSTALL BIO BAGS.

LEGEND

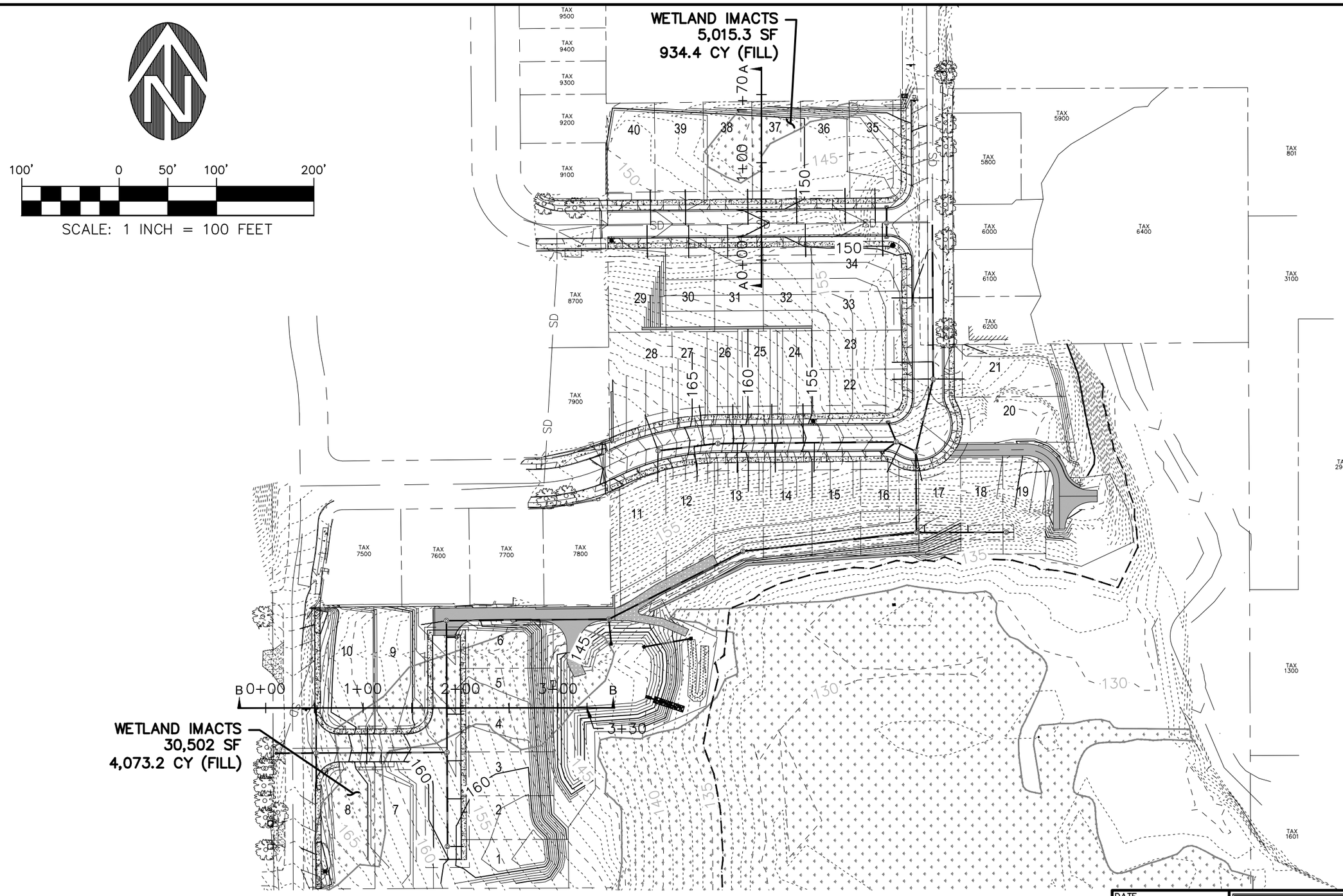
- EXIST. CONTOUR – 1' INTERVAL
- EXIST. CONTOUR – 5' INTERVAL
- PROPOSED CONTOUR – 1' INTERVAL
- 270 — PROPOSED CONTOUR – 5' INTERVAL
- RETAINING WALL
- X — APPROXIMATE LOCATION OF SEDIMENT FENCE. SEE CWS DETAIL NO. 875.
- XX — APPROXIMATE LOCATION OF WATTLE. SEE CWS DETAIL NO. 880.
- INLET PROTECTION
- GRAVEL CONSTRUCTION ENTRANCE SEE CWS DRAWING NO. 855.
- BIOBAGS
- DRAINAGE FLOW DIRECTION
- 100-YR FLOODPLAIN BOUNDARY FEMA MAP NUMBER 41067C0542E EFFECTIVE, 11-4-2016

PRELIMINARY GRADING AND EROSION CONTROL PLAN (FIGURE 6)

DATE	1/5/2017
DRAWN BY	
CHECKED BY	
REVISION	0
JOB NO.	1306-06

WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684-0652
FAX (503) 624-0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Exhibits\JPA Exhibits\JPA Grading and Erosion Control Plan.dwg Jan 10, 2017 - 10:15am - cmh



WETLAND IMPACTS (FIGURE 7)

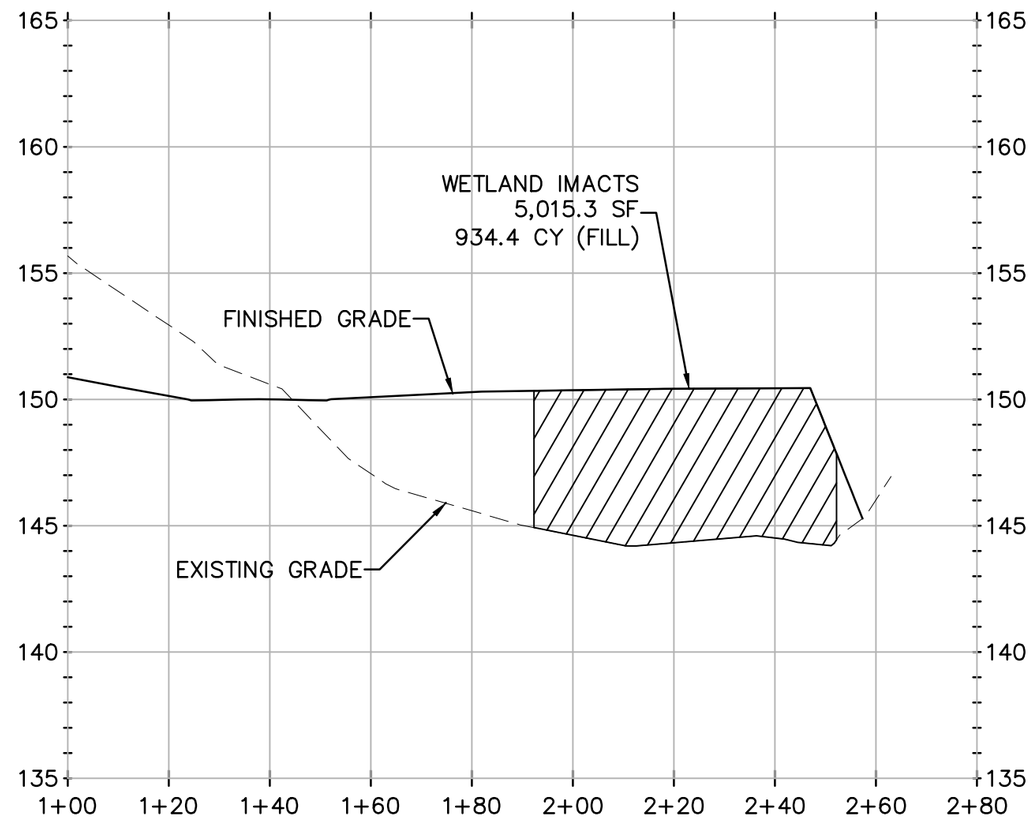
DATE	12-01-2016
DRAWN BY	CLF
CHECKED BY	CLF
REVISION	0
JOB NO.	1306-006

WESTLAKE CONSULTANTS INC.

ENGINEERING ◆ SURVEYING ◆ PLANNING

PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684-0652
FAX (503) 624-0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Production\DD\130606-WETLAND SECTIONS.dwg Jan 10, 2017 - 1:09pm - cmh



SITE SECTION A–A PROFILE
(STA: 1+00.00 – STA: 2+80.00)

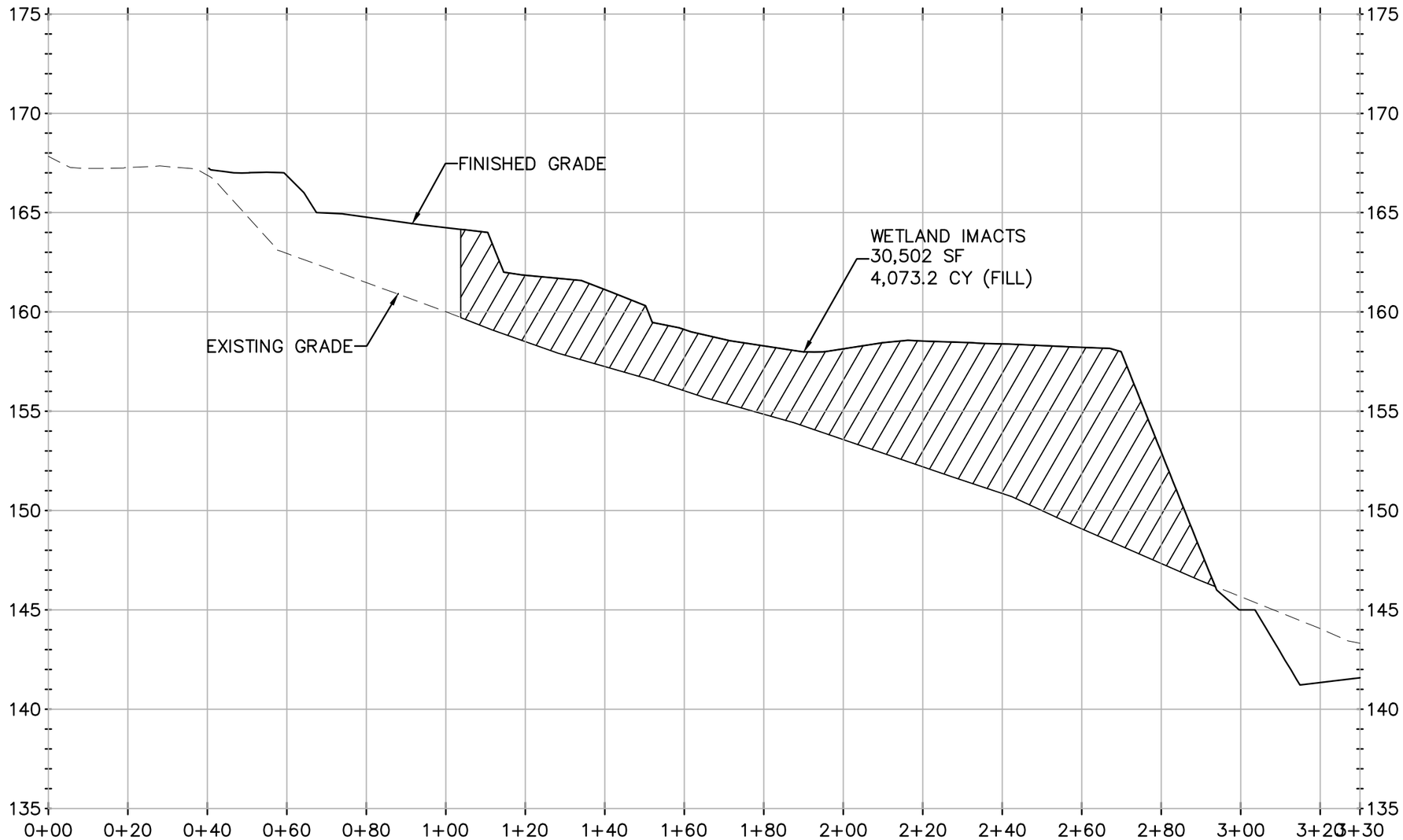
SCALE: HORIZONTAL: 1"=40'
VERTICAL: 1"=8'

WETLAND IMPACTS (FIGURE 7A)

DATE	12–01–2016
DRAWN BY	CLF
CHECKED BY	CLF
REVISION	0
JOB NO.	1306–006

WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684–0652
FAX (503) 624–0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Production\DD\130606-WETLAND SECTIONS.dwg Jan 09, 2017 – 3:27pm – cmh



SITE SECTION B–B PROFILE
(STA: 0+00.00 – STA: 3+30.00)

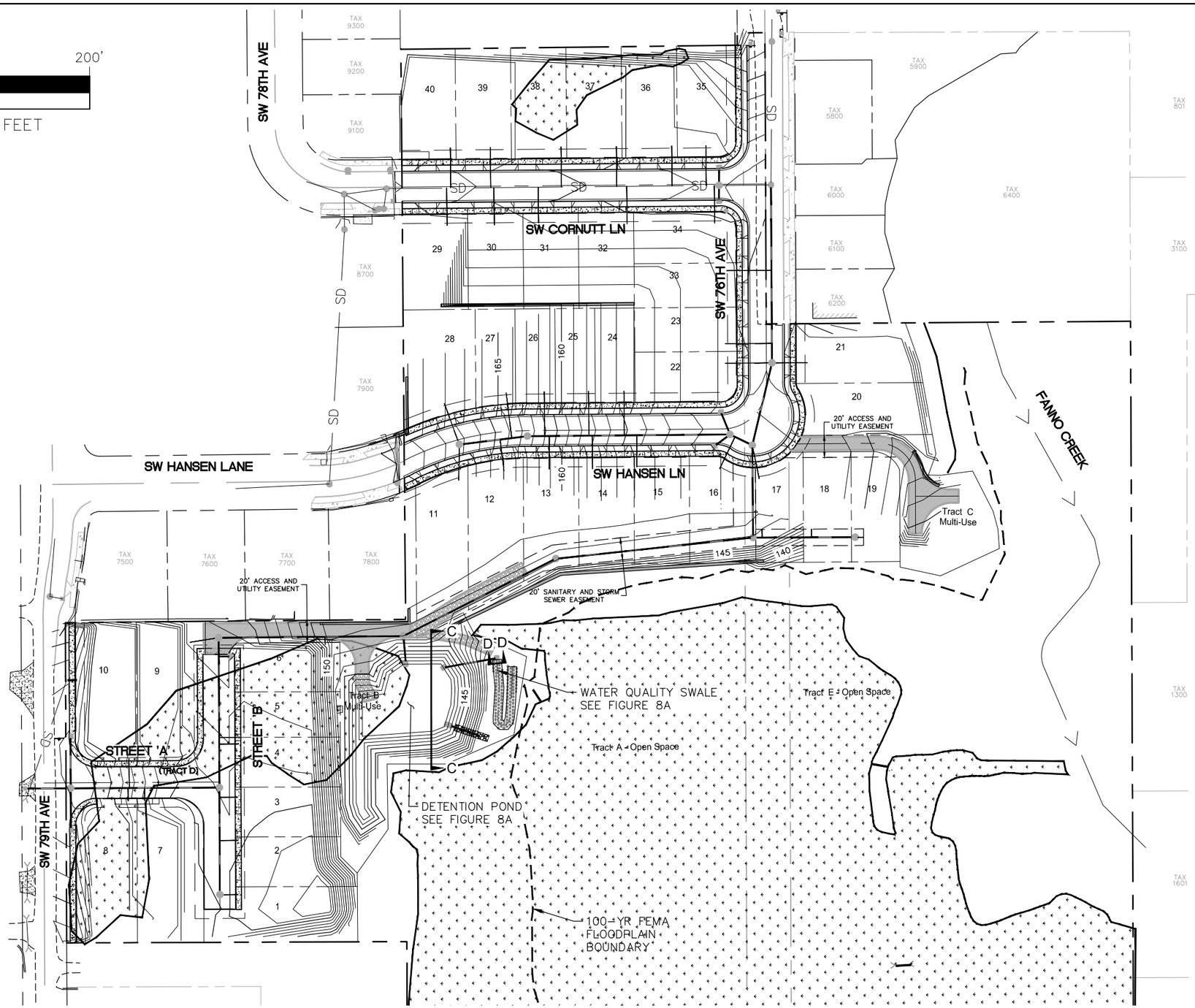
SCALE: HORIZONTAL: 1"=40'
VERTICAL: 1"=8'

WETLAND IMPACTS (FIGURE 7B)

DATE	12–01–2016
DRAWN BY	CLF
CHECKED BY	CLF
REVISION	0
JOB NO.	1306–006

WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684–0652
FAX (503) 624–0157

Drawing Name: J:\1306–006.15\Engin\CAD\Dwg\Production\DD\130606–WETLAND SECTIONS.dwg Jan 10, 2017 – 1:08pm – cmh



LEGEND

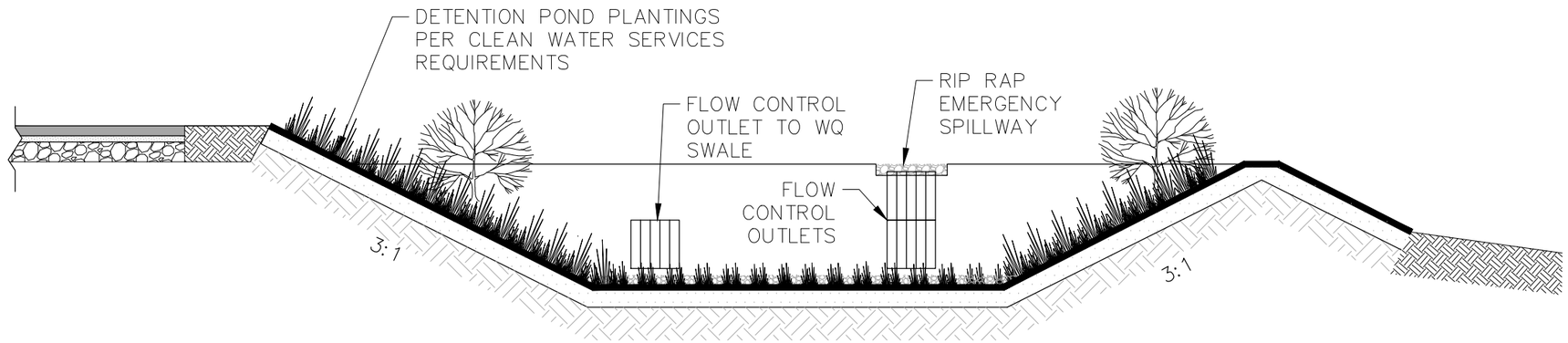
- UNDERGROUND STORM DRAIN LINE
- UNDERGROUND STORM LATERAL
- STORM MANHOLE
- 100-YR FLOODPLAIN BOUNDARY FEMA MAP NUMBER 41067C0542E EFFECTIVE, 11-4-2016

STORM MANAGEMENT PLAN (FIGURE 8)

DATE	1/5/2017
DRAWN BY	
CHECKED BY	
REVISION	0
JOB NO.	1306-06

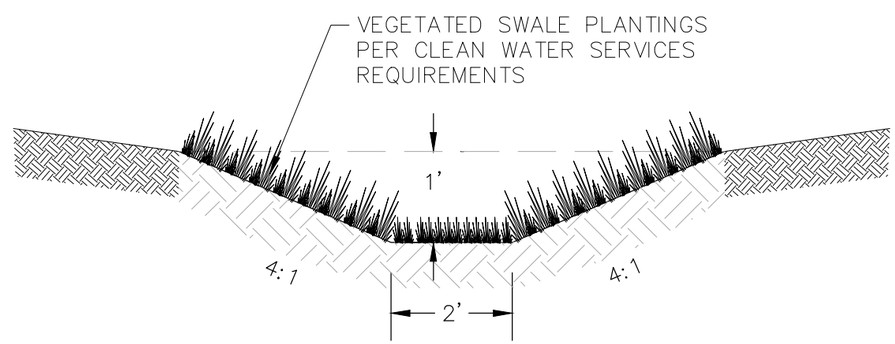
WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684-0652
FAX (503) 624-0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Exhibits\JPA Exhibits\JPA Storm Management Plan.dwg Jan 10, 2017 - 10:18am - cmh



DETENTION POND CROSS SECTION C-C

NOT TO SCALE



TYPICAL WATER QUALITY FACILITY SECTION D-D

NOT TO SCALE

STORM DETAILS (FIGURE 8A)

DATE	1/5/2017
DRAWN BY	
CHECKED BY	
REVISION	0
JOB NO.	1306-06

WESTLAKE CONSULTANTS INC.
ENGINEERING ◆ SURVEYING ◆ PLANNING
PACIFIC CORPORATE CENTER
15115 S.W. SEQUOIA PARKWAY, SUITE 150
TIGARD, OREGON 97224
(503) 684-0652
FAX (503) 624-0157

Drawing Name: J:\1306-006.15\Engin\CAD\Dwg\Exhibits\JPA Exhibits\JPA Storm details.dwg Jan 10, 2017 - 3:10pm - cmh