

ENVIRONMENTAL ASSESSMENT

American Towers LLC (ATC) Proposed Telecommunications Facility
Site 278215/Grand Prairie
3626 Three Lakes Road
Albany, OR 97322-7236

FEDERAL COMMUNICATIONS COMMISSION

SUBMITTED PURSUANT 1047 CFR, PART 1, SUBPART 1,
RULE SECTION 1.1307(a)

Prepared for:

American Towers, LLC
dba American Tower Corporation
10 Presidential Way
Woburn, MA 01801

Prepared by:

Adapt Engineering
10725 SW Barbur Blvd.
Suite 200
Portland, Oregon 97219

January 7th, 2013



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1.0 INTRODUCTION

1.1 Justification

The installation of antennas on telecommunication towers is regulated by the Federal Communications Commission (FCC) and is subject to compliance with the National Environmental Policy Act (NEPA) of 1969. This Environmental Assessment (EA) has been prepared because the proposed American Towers LLC (ATC) project includes construction within a wetland and a 100 year floodplain.

This EA has been prepared to address the potential adverse environmental impacts associated with the proposed action, and to evaluate whether an Environmental Impact Statement is required given the site-specific circumstances in accordance with NEPA, Council on Environmental Quality Regulations, and FCC Regulations Implementing NEPA.

During the time this NEPA document was being prepared, responsibility for construction and ownership of the facility was transferred from AT&T Mobility to ATC. Therefore while some of the documentation included with this document refers to AT&T Mobility, the project scope and design remain unchanged and is still applicable to the ATC project.

1.2 Purpose and Need For Action

The *need* for this proposed action is to provide improved communications services to the residents of the project area. Currently cellular service is limited by the lack of a local telecommunications facility. The *purpose* of this action is to construct a telecommunications facility to meet this need while minimizing potential impacts to the surrounding environment.

2.0 ALTERNATIVES CONSIDERED

2.1 Preferred Alternative (Proposed Action)

According to zoning drawings (dated May 28, 2010) ATC proposes to lease a 40-foot-square (1,600 square feet) area. The lease area will be developed into an equipment compound with a 140-foot monopole tower and a prefabricated equipment shelter housing telecommunications (telco) equipment. Three arrays with four panel antennas per array will be mounted to the top of the new tower and a microwave dish will be located at the 127-foot mark. The overall height of the tower is 140 feet (145 with appurtenances). The new pole will accommodate future carriers, with AT&T Mobility expected to occupy the uppermost section. Chain-link fencing will enclose the compound. A 200-foot by 12-foot access road will be constructed to connect the facility to the existing gravel road on the property.

The design of this proposed project includes fill and removal of material within designated wetlands to construct the gravel access road, fenced compound, shelter, and tower footings. The electrical infrastructure will follow the path of the access (4'x100' utility trench). This site is to be filled with 6" of ¾" diameter crushed rock with weed barrier on 95% compacted fill. The applicant is proposing to permanently impact only 0.089 acres of wetlands within the proposed project area and will have an approximate fill volume of 145 cubic yards and an approximate removal volume of 145 cubic yards of material within wetlands (rock, gravel, silt, clay, and topsoil) to complete the development requirements.

Fill and removal material will be transferred onsite from Three Lakes Road through an existing gravel access road from the property east of the proposed tower location. Construction activity will be staged within the proposed impact area to limit any potential impacts to surrounding resources including wetlands in the area. All material removed from the project site will be transported to a separate property.

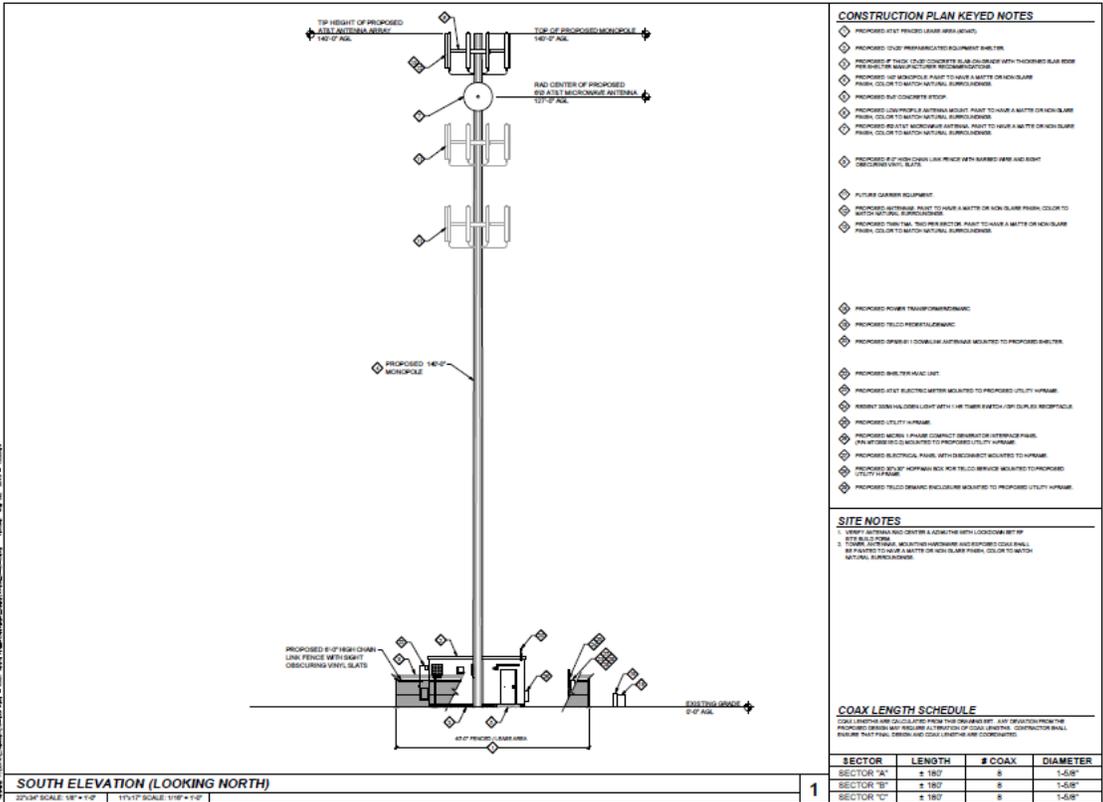


Figure One. South Elevation Schematic

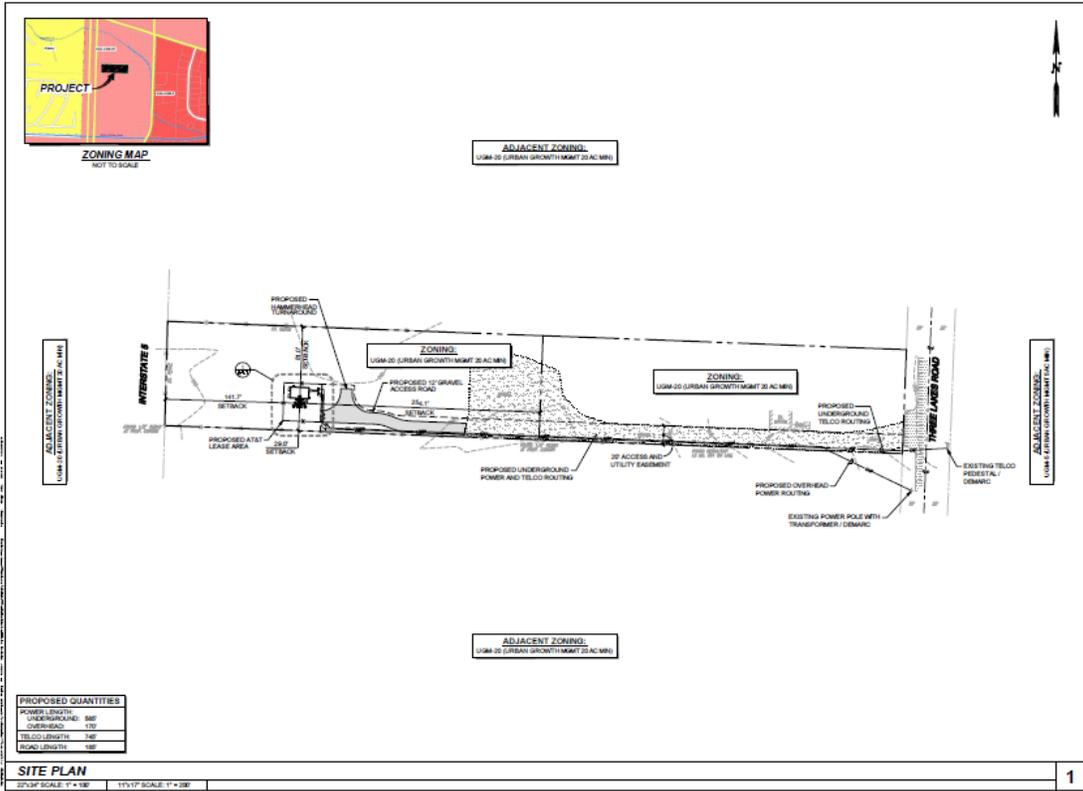


Figure Two. Site Plan Schematic

3.0 ENVIRONMENTAL CONSEQUENCES

The rectangular-shaped one acre host parcel is a vacant field that may have been used for agricultural purposes in the past. The property is owned by Aaron and Heather Sadowsky, who live on the adjacent one acre parcel to the east of the project parcel. The 1A Survey Certification indicates the surveyed ground elevation at the project site is 243 feet.

Under 47 CFR Section 1.1307, the FCC requires an evaluation of certain environmental issues to determine whether a proposed action has the potential to cause adverse environmental impacts. Research and field surveys were completed for each criterion.

Impacts were evaluated for the following resources and human health criteria:

1. Designated Wilderness Areas and Wildlife Preserves
2. Threatened or Endangered Species or Designated Critical Habitats
3. Historic Places
4. Indian Religious Sites
5. Floodplains
6. Surface Features
7. Zoning/High-Intensity White Lights
8. Radio Frequency Exposure

3.1 Wilderness Areas and Wildlife Preserves

Preferred Alternative

The project site is not within the boundaries of an officially designated wilderness area. According to information on Wilderness.net, the nearest wilderness area is the Middle Santiam Wilderness located approximately 40 miles east of the project site.

The project site is not within the boundaries of an officially designated wildlife refuge. According to information on the USFWS website, the nearest wildlife refuge is the Akney National Wildlife Refuge located approximately 8 miles north of the project site.

The National Wildlife Refuge System is a branch of the US Fish and Wildlife Service, a bureau of the Department of Interior.

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any effects to wildlife preserves or wilderness areas.

3.2 Threatened or Endangered Species

Preferred Alternative

Adapt completed a Biological Assessment to evaluate potential impacts on Threatened or Endangered Species and Critical Habitats. The assessment concluded the proposed project will have **no effect** upon any threatened or endangered species that may be located within, or in the vicinity of, the project site

(Appendix D—Biological Assessment)

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any effects to threatened or endangered species and designated critical habitat.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect to threatened or endangered species and designated critical habitat.

3.3 Historic Properties and Cultural Resources

Preferred Alternative

Adapt completed a Section 106 Review of the National Historic Preservation Act of 1996 and 36 CFR 800 to assess whether the proposed facility will have an effect on properties listed on, or eligible for listing on, the National Register of Historic Places (National Register). The review included the submittal of an FCC Form 620 and cover report to the Oregon State Historic Preservation Office (SHPO) that addressed the effect of the proposed undertaking on historic properties within direct and visual Areas of Potential Effect (APE).

The review concluded there were no historic properties within the APE for direct effects and no adverse effect to historic properties, eligible historic properties, or possible historic properties within the visual effects APE. Adapt forwarded an FCC Form 620 (dated August 11, 2010) to SHPO with those conclusions. Julie Osborne (Historic Preservation Specialist) responded with an October 12, 2010 letter concurring with the defined APEs and the conclusion that the proposed project would have “No Adverse Effect” on historic properties, eligible historic properties, or potentially eligible historic properties.

In conjunction with the historical resources survey, a Pedestrian Survey was performed by Beth Walton, RPA, with Walton Enterprises. Ms. Walton concluded that the proposed AT&T project would have no effect on archaeological resources. This report was submitted to SHPO on August 11, 2010. On August 17, 2010, SHPO’s State Archaeologist, Dennis Griffin, sent a concurrence letter, agreeing that no further archaeological work was warranted at the site.

(Appendix E—SHPO Submittal and Response, Appendix F—Public Notice)

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any substantial effects to historic properties or other cultural resources.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect to historic properties or other cultural resources.

3.4 Native American Religious and Cultural Sites

Preferred Alternative

Section IV of the *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC* (Nationwide Agreement) addresses the responsibility to carry out consultation with any Indian tribe that attaches religious and cultural significance to an historic property if the property may be affected by an FCC undertaking. On behalf of AT&T, Adapt input information for the project into TCNS on June 1, 2010 and received a confirmation email indicating the project was assigned the Notification ID: 64293. The TCNS subsequently sent a June 4, 2010 email stating the following six Indian tribes were notified of the proposed AT&T Mobility undertaking:

1. Fallon Paiute-Shoshone Tribe
2. Confederated Tribes of the Grand Ronde
3. Confederated Tribes of the Siletz
4. Confederated Tribes of the Warm Springs
5. Burns Paiute Tribe
6. Yakama Nation

Four of the six Indian tribes provided a reply via TCNS and email, or the tribe has a TCNS exclusion that has been satisfied. The Siletz and Warm Springs did not reply to the initial TCNS notification or to a second notification sent via U.S. Postal Service. The Siletz and Warm Springs Tribes subsequently were referred to the FCC for government-to-government consultation in accordance with FCC-TCNS protocol. The tribes did not provide a statement of interest to Adapt or the FCC within 20 calendar days of the government-to-government consultation.

ATC has therefore fulfilled its responsibility under Section IV of the Nationwide Agreement to carry out consultation with Indian tribes concerning the proposed undertaking.

It should be noted that SHPO requires that during construction activities, if archaeological or historic materials are discovered, work in the immediate area must be discontinued, the area secured, and the appropriate Indian tribe(s) and SHPO notified.

(Appendix G—Tribal Consultation)

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any substantial effects to Native American religious or cultural sites.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect to Native American religious or cultural sites.

3.5 Floodplain

Preferred Alternative

Executive Order 11988 requires that federal agencies consider the effects of their actions on floodplains. The Federal Emergency Management Agency (FEMA) delineates flood zones as part of a nationwide program. Although, the proposed tower is not within a floodplain, a portion of the access easement and utility line is within a Zone A (100-year) flood plain based on a review of the Federal Emergency Management Agency Flood Insurance Rate Map (FIRM) (Panel Number 41043C0531G, dated September 29, 2010), the proposed facility is in a Zone A, which is defined as follows:

Zone A – Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.

Zone C and X (Unshaded) – Area of minimal flood hazard, usually depicted on FIRMS as above the 500-year flood level. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100-year flood.

3.5.1 Floodplain Mitigation and Permitting

Mitigation refers to those actions that would reduce or eliminate potential adverse impacts due to a proposed project. Mitigation measures are required to ensure that the construction of the tower and associated collocations are designed to withstand any potential flooding that may occur, and minimize any adverse effects on resources located within the floodplain.

A Building Permit application is currently being obtained from Linn County but has not received final approval at the time this document was finalized. It is anticipated that permit conditions may include waterproofing of utilities installed within the Zone A floodplain. *ATC will incorporate all required mitigation measures as stipulated in the final permit documents provided by Linn County and appropriate documentation will be filed with the FCC.*

(Appendix H—Standard Flood Hazard Determination), (Appendix I—Linn County Floodplain Regulations)

Based upon the analysis described above and the mitigation measures to be specified in the Linn County permit documentation, it is anticipated that the preferred alternative will not result in any substantial effects to floodplains, flood hazard, or flood damage.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect to floodplains or flood hazard.

3.6 Surface Features

Preferred Alternative

The project is occurring in a United States Army Corp of Engineers (ACOE) and Oregon Department of State Lands (DSL) jurisdictional wetland. The project area was delineated by Eric Henning, with Fernwood Environmental Services on July 14, 2010. Mr. Henning's wetland delineation report concluded that the entire project area was within the boundaries of a wetland. The delineation report was submitted to DSL on August 2010. On March 8, 2011, a concurrence letter was sent stating the delineation report was approved by Janet C. Morlan, Wetlands Program Manager with DSL.

3.6.1 Wetland Mitigation and Permitting

Section 404 of the Clean Water Act of 1972 requires that any fill material placed within a jurisdictional wetland requires permitting and review by ACOE. Additionally, DSL requires permitting with their agency for fill placed within a wetland. Therefore a joint removal/fill permit application was submitted to DSL and ACOE. On May 27, 2011 the permit was approved by ACOE under Nationwide Permit 12 (Utility Lines). Although the Nationwide Permit under which the approval was issued expired (and was subsequently updated) in March 2012, ACOE regulations allow for 12 months following NWP expiration, and therefore the effective expiration date of this permit is March 19th 2013 (Shelly Hanson, ACOE, per. comm., February 28, 2012) DSL requested additional information, and an updated permit was submitted. On September 28, 2012 the removal/fill permit was approved by DSL, expiring September 28, 2013. The purchase of 0.09 acres of wetland mitigation is required as a condition of the removal/fill permits with both agencies. ATC has therefore purchased 0.09 wetland mitigation bank credits as required to fully mitigate for the proposed wetland disturbance at the proposed project site. Specific terms and conditions are associated with both ACOE and DSL permits and are fully described in the appendices to this document. Permits were originally initiated and issued to AT&T Mobility. At the time this document was prepared ATC was in the process of transferring all appropriate permits into their name from AT&T's. All appropriate permit conditions will be followed to minimize or eliminate potential impacts associated with the project.

Onsite hydrology appears to be driven by groundwater flow and topography. The direction of this flow is from the south to the north towards Periwinkle Creek. As the proposed access road will be installed roughly level with the surrounding ground surface it should not pose any impediment to surface flow as a result. Finally, deforestation will not occur because the project site is not forested and the project will not require water diversion.

(Appendix J—Wetland Delineation, Appendix K—Removal Fill Permitting and Documentation, Appendix L—Wetland Mitigation Banking Information)

Based upon the analysis described above and the mitigation measures specified in the ACOE and DSL permit documentation, it is anticipated that the preferred alternative will not result in any substantial effects to surface features including wetlands.

No Action Alternative

Under the "No Action" alternative, no construction would occur and therefore there would be no effect to surface features.

3.7 High Intensity White Lights

Preferred Alternative

The proposed project includes a 140-foot self-supporting monopole tower. An aeronautical study conducted by the Federal Aviation Administration concluded that the proposed tower would not pose a hazard to aeronautical navigation and no lighting was required.

(Appendix M—FAA Determination)

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any substantial effects related to high intensity white lights.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect related to high intensity white lights.

3.8 Radio Frequency Exposure

Preferred Alternative

This category applies to FCC licensees and not to antenna structure owners. Antenna structures (towers) do not emit radio frequency radiation. FCC licensees transmitting from antennas mounted on ATC owned antenna structures are required to comply with radio frequency exposure standards.

Based upon the analysis described above, it is anticipated that the preferred alternative will not result in any substantial effects related to radio frequency exposure.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no effect related to radio frequency exposure.

3.9 Cumulative Effects

Preferred Alternative

Any subsequent actions related to the operation or maintenance of the proposed telecommunications facility would be required to comply with all appropriate state and federal (including FCC) regulations and permitting requirements. Therefore it is anticipated that there will be no substantial cumulative effects related to the preferred alternative.

No Action Alternative

Under the “No Action” alternative, no construction would occur and therefore there would be no cumulative effects related to this alternative.

4.0 COORDINATION AND COMMENTS

This project was coordinated with Native American Tribal groups, Oregon SHPO, the ACOE, DSL, Federal Aviation Administration (FAA) and with local government guidelines and ordinances (Appendices E, F, G,I,J,K, and M).

The results of this assessment (Appendix D) indicate that the proposed action would have no effect on threatened or endangered species managed by USFWS or NMFS. Findings of “no effect” do not require consultation with USFWS or NMFS under Section 7 of the Endangered Species Act.

ATC and its representatives are responsible for all additional coordination with all appropriate federal, state and local agencies, as required, to obtain and comply with the necessary permits for construction of the facility.

Public Notice announcing the proposed project was run in the Democrat-Herald on June 19 2010. No comments were received. A second public notice was run in the Democrat-Herald on September 13 2012 to accommodate updated FCC requirements associated with the Antenna Structure Registration (ASR) system. No comments were received during this second public comment period.

5.0 CONCLUSIONS

Based on the results of this analysis, it is not anticipated that the proposed action will substantially affect any of the areas of the environment discussed above. Therefore it does not appear that the preparation of an Environmental Impact Statement will be required. Only the preferred alternative would accomplish the Purpose and Need described in section 1.1. ***Therefore, it is recommended that a Finding of No Significant Impact (FONSI) be issued to authorize this project.***

6.0 REFERENCES

- United States. Department of the Interior Fish and Wildlife Service. National Wetlands Inventory. Wetlands Mapper. 1 November 2012. <<http://www.fws.gov/wetlands/Data/mapper.html>>.
- United States. Department of the Interior Fish and Wildlife Service. National Wildlife Refuge System. 1 November 2012. <www.fws.gov/refuges/index.html>.
- University of Montana. College of Forestry and Conservation. Wilderness Institute. Wilderness.net. 1 November 2012. <<http://www.wilderness.net/index.cfm>> .

7.0 LIST OF PREPARERS

Name	Role	Affiliation
Lindsay Mico	Lead Author; Removal Fill Permitting; Mitigation; Floodplain Analysis	Adapt Engineering
John Estrem	Project Oversight	Adapt Engineering
Ben White	Botanical Surveys; Reviewer	Adapt Engineering
Beth Belanger	Technical Writer	Adapt Engineering
Dave Pinyerd	Historic Property Assessment	Historic Preservation NW
Beth Walton	Archeological Assessment	Walton Enterprises
Mike Rotsolk	Wetland Delineation; Removal Fill Permitting	Fernwood Environmental Services
Eric Henning	Wetland Delineation; Removal Fill Permitting	Zion Consulting

APPENDIX A
SITE PHOTOGRAPHS



Photo One. Proposed access route

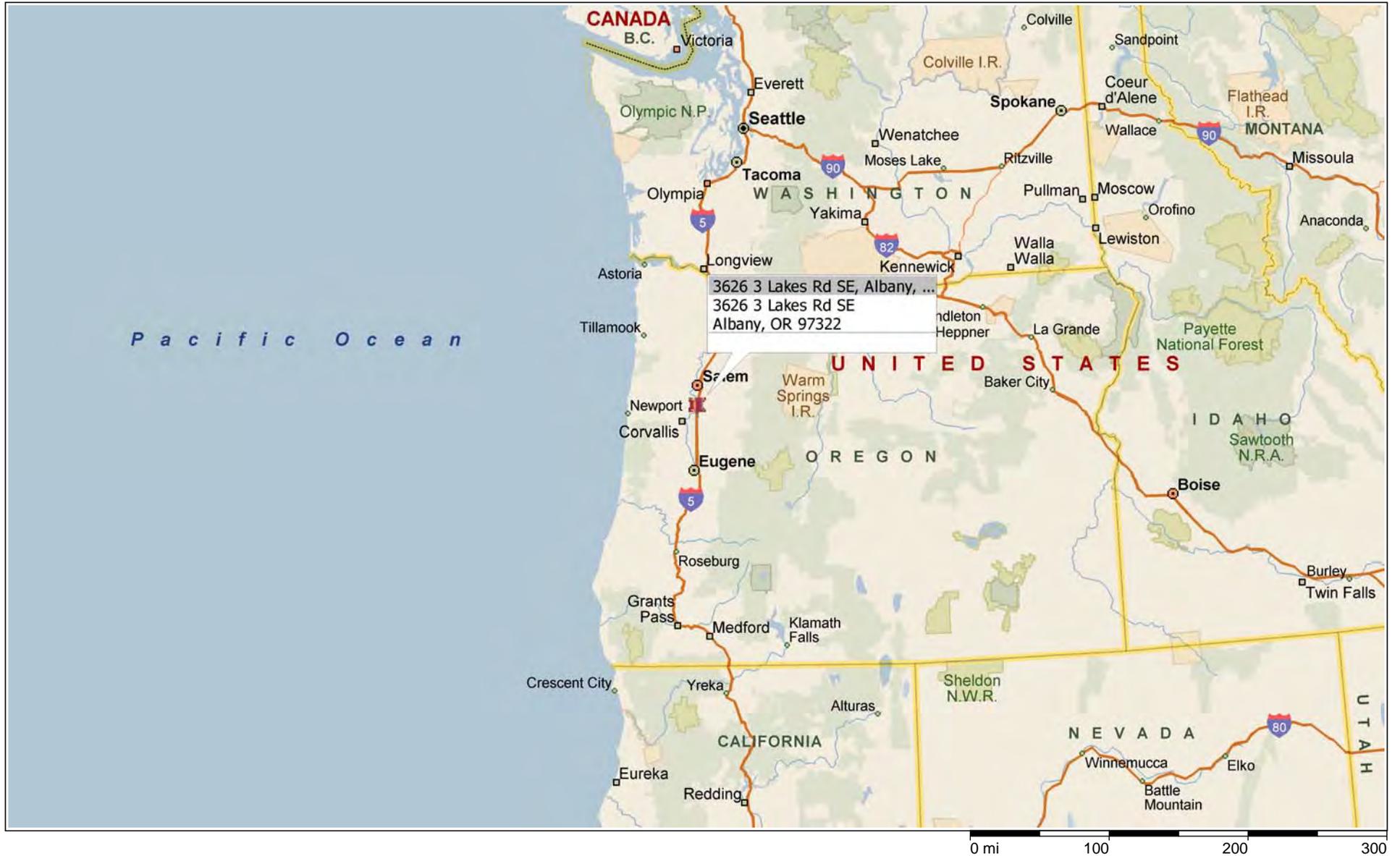


Photo Two. Proposed lease area

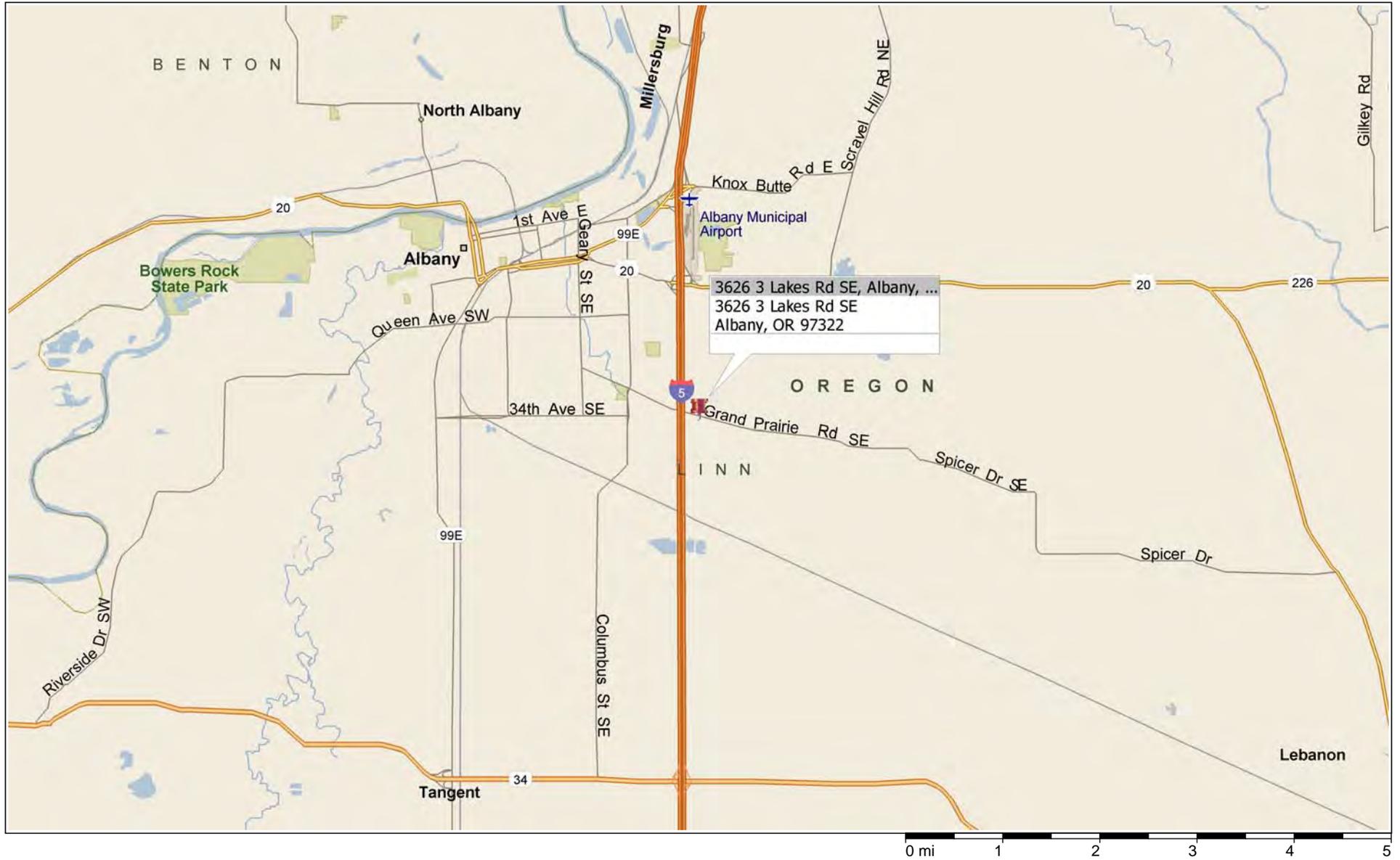
APPENDIX B

PROJECT LOCATION MAPS

Oregon, United States, North America



Albany, Oregon, United States



APPENDIX C
CONSTRUCTION DRAWINGS



at&t

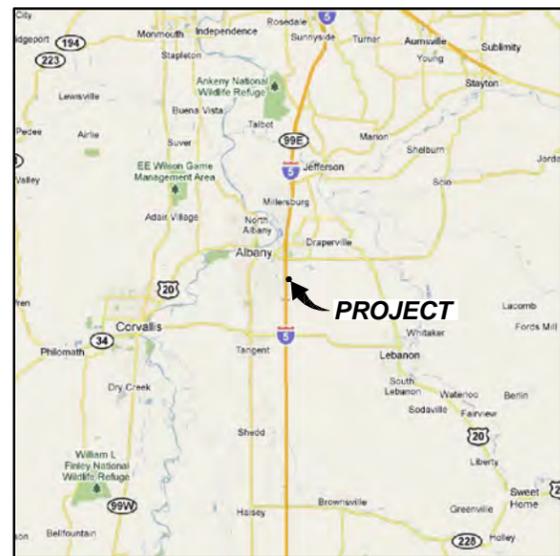


Goodman Networks

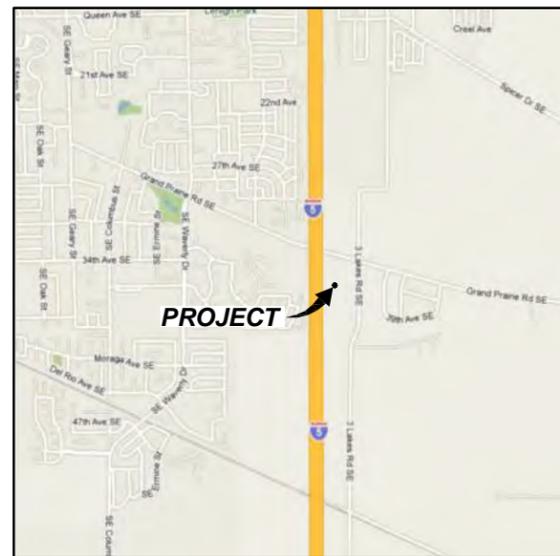
Network Knowledge...Delivered.

CO07 GRAND PRAIRIE

3626 THREE LAKES RD SE
ALBANY, OR 97322



GENERAL LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DRIVING DIRECTIONS

FROM AT&T TUALATIN OFFICE:

TAKE I-5 SOUTH TOWARDS ALBANY/SALEM AND TRAVEL FOR 56 MILES. TAKE EXIT 233 TOWARD LEBANON/SWEET HOME. MERGE ONTO US-20E. TURN RIGHT AT SPICER DRIVE SE. TURN LEFT TO STAY ON SPICER DRIVE SE. TURN RIGHT AT THREE LAKES ROAD SE. TRAVEL ABOUT 1.5 MILES. PROPERTY IS ON THE RIGHT (WEST).

PROJECT CONTACT LIST

APPLICANT:

AT&T MOBILITY CORPORATION
19801 SW 72ND AVE, #200
TUALATIN, OR 97062
CONTACT: GERI ROPER
PHONE: (503) 691-5019

PROJECT ENGINEER:

LDC, INC.
14201 NE 200TH ST, SUITE 100
WOODINVILLE, WA 98072
CONTACT: BERT WHITE
PHONE: (425) 806-1869
FAX: (425) 482-2893

STRUCTURAL ENGINEER:

LDC, INC.
14201 NE 200TH ST, SUITE 100
WOODINVILLE, WA 98072
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PHONE: (425) 806-1869
FAX: (425) 482-2893

PROJECT SURVEYOR:

LDC, INC.
14201 NE 200TH ST, SUITE 100
WOODINVILLE, WA 98072
CONTACT: DARREN RIDDLE, PLS
PHONE: (425) 806-1869
FAX: (425) 482-2893

PROJECT CONSULTANT:

GOODMAN NETWORKS
7360 SW HUNZIKER ST, SUITE 206
PORTLAND, OR 97223
PHONE: (503) 639-3159

PROPERTY OWNER:

AARON AND HEATHER SADOWSKY
CONTACT: HEATHER SADOWSKY
PHONE: (541) 917-0809

PROJECT MANAGER:

CONTACT: BERT RAYER
brayer@goodmannetworks.com
PHONE: (972) 672-9649

SITE ACQUISITION:

CONTACT: SEAN LUSBY
15618 SW 72ND AVE
PORTLAND, OR 97224
PHONE: (503) 549-0001 EXT 4004
FAX: (503) 620-9239
sean.lusby@taic.net

ZONING AGENT:

CONTACT: VANESSA MEYER
vmeyer@goodmannetworks.com
PHONE: (214) 236-4395

CONSTRUCTION MANAGER:

CONTACT: BOE BOEDIGHEIMER
rboedigheimer@goodmannetworks.com
PHONE: (214) 240-0842

DRAWING INDEX

DWG NO.	DESCRIPTION
T-1	TITLE SHEET
G-1	GENERAL NOTES
C-1	CIVIL SURVEY
A-1	SITE PLAN
A-1.1	ENLARGED SITE PLAN
A-2	ELEVATION

LEGAL DESCRIPTION

BEGINNING AT A 1/2 INCH IRON ROD SOUTH 0°23' WEST 1753.94 FEET AND NORTH 89°37' WEST 396.38 FEET FROM A 1/2 INCH PIPE ON THE NORTH LINE OF AND NORTH 89°45' WEST 1496.88 FEET FROM THE NORTHEAST CORNER OF THE JOHN BURKHART DONATION LAND CLAIM 51, IN TOWNSHIP 11 SOUTH, RANGE 3 WEST OF THE WILLAMETTE MERIDIAN IN LINN COUNTY, OREGON; AND RUNNING THENCE NORTH 89°37' WEST 396.48 FEET TO A 1/2 INCH PIPE ON THE EAST RIGHT OF WAY LINE OF THE NEW PACIFIC HIGHWAY FREEWAY; THENCE SOUTH 0°06'-1/2' EAST ALONG SAID RIGHT OF WAY 110.0 FEET TO A 1/2 INCH IRON ROD; THENCE SOUTH 89°37' EAST 395.54 FEET TO A 1/2 INCH IRON ROD WHICH BEARS SOUTH 0°23' EAST 110.0 FEET FROM THE PLACE OF BEGINNING; THENCE NORTH 0°23' WEST 110.0 FEET TO THE PLACE OF BEGINNING.

PROJECT INFORMATION

CODE INFORMATION:

ZONING CLASSIFICATION: UGM-20 (URBAN GROWTH MGMT 20 AC MIN)
BUILDING CODE: IBC 2006
CONSTRUCTION TYPE: IIB
OCCUPANCY: GROUP "U"
JURISDICTION: LINN COUNTY
PROPOSED BUILDING USE: TELECOM

SITE LOCATION (NAD83):

LATITUDE: 44°36'31.54" N (44.608761° N)
LONGITUDE: 123°03'39.13" W (123.060869° W)
TOP OF STRUCTURE: 383.0' AMSL 140'-0" AGL
BASE OF STRUCTURE: 243.0' AMSL 0'-0" AGL

PROJECT LEASE AREA:

1,600 SF

PARCEL NUMBER:

11S03W16 01801

NEW IMPERVIOUS AREA:

3,907 SF

AREA OF PARCEL:

1.00 AC

GENERAL INFORMATION:

1. PARKING REQUIREMENTS ARE UNCHANGED.
2. TRAFFIC IS UNAFFECTED.
3. SIGNAGE IS PROPOSED.

PROJECT DESCRIPTION:

AT&T MOBILITY CORPORATION PROPOSES TO INSTALL A NEW 140' MONOPOLE WITH ANTENNAS AND A 12'x20' SHELTER LOCATED INSIDE A 40'x40' WIRELESS COMPOUND.

UTILITY COMPANIES

POWER:

ON SITE:
CONSUMERS POWER
PHONE: 1-800-872-9036

TELEPHONE:

ON SITE:
QWEST
PHONE: 1-800-777-9594

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AT&T MOBILITY CORPORATION SERVICES IS STRICTLY PROHIBITED.

LDC Commercial Infrastructure Residential Telecom
THE CIVIL ENGINEERING GROUP
14201 NE 200th St., #100 Woodinville, WA 98072
Ph: 425.806.1869 Fax: 425.482.2893
www.LDCcorp.com

DATE:	4-20-10
DRAWN BY:	BPC
CHECKED BY:	MEV

REVISIONS			
REV	DATE	DESCRIPTION	BY
1	4-20-10	PRELIMINARY ZONING	MEV
2	5-28-10	FINAL ZONING	BEW



SITE
CO07 GRAND PRAIRIE 3626 THREE LAKES RD SE ALBANY, OR 97322

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

APPROVAL / SIGN OFF OF FINAL ZONING DRAWINGS

CONSULTANT GROUP SIGN OFF	DATE	SIGNATURE	AT&T SIGN OFF	DATE	SIGNATURE
CONSTRUCTION MANAGER			RF ENGINEER		
PROJECT MANAGER			RF MANAGER		
SITE ACQUISITION			INTERCONNECT		
ZONING			OPERATIONS		
PERMITS			COMPLIANCE		
			CONSTRUCTION MANAGER		
			PROJECT MANAGER		

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED



Drawing: P:\2010\Telecom\10-428 AT&T - 0007 Grand Prairie\Drawings\Zoning\10428ZD-G1-0-dwg Plotfile: May 28, 2010 10:22am

GENERAL NOTES:

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE. THIS SET OF DOCUMENTS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANY REQUIREMENTS DEEMED NECESSARY TO COMPLETE PROJECT AS DESCRIBED IN THE DRAWINGS AND OWNER'S PROJECT MANUAL.
- PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT. CONTRACTORS SHALL VISIT THE CONSTRUCTION SITE WITH THE CONSTRUCTION/CONTRACT DOCUMENTS TO VERIFY FIELD CONDITIONS AND CONFIRM THAT THE PROJECT WILL BE ACCOMPLISHED AS SHOWN. PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER VERBALLY AND IN WRITING.
- THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- ALL WORK PERFORMED ON THE PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- GENERAL CONTRACTOR SHALL PROVIDE, AT THE PROJECT SITE, A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDA OR CLARIFICATIONS FOR USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT. THIS SET IS A VALID CONTRACT DOCUMENT ONLY IF THE TITLE SHEET IS STAMPED "FOR CONSTRUCTION" AND EACH SUCCESSIVE SHEET BEARS THE ARCHITECT'S SIGNED WET STAMP.
- THE STRUCTURAL COMPONENTS OF ADJACENT CONSTRUCTION OR FACILITIES ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- SEAL ALL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- CONTRACTOR TO PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF PROJECT AREA DURING CONSTRUCTION.
- CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
- CONTRACTOR SHALL KEEP GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. CONTRACTOR SHALL REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OR PREMISES. SITE SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
- THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PERFORM WORK DURING OWNER'S PREFERRED HOURS TO AVOID DISTURBING NORMAL BUSINESS.
- THE CONTRACTOR SHALL PROVIDE AT&T MOBILITY CORPORATION PROPER INSURANCE CERTIFICATES NAMING AT&T MOBILITY CORPORATION AS ADDITIONAL INSURED, AND AT&T MOBILITY CORPORATION PROOF OF LICENSE(S) AND PE & PD INSURANCE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL INSPECTIONS.
- CAUTION! CALL BEFORE YOU DIG! BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE-CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. 1-800-332-2344
- CONTRACTOR TO DOCUMENT ALL WORK PERFORMED WITH PHOTOGRAPHS AND SUBMIT TO AT&T MOBILITY CORPORATION ALONG WITH REDLINED CONSTRUCTION SET.
- CONTRACTOR TO DOCUMENT ALL CHANGES MADE IN THE FIELD BY MARKING UP (REDLINING) THE APPROVED CONSTRUCTION SET AND SUBMITTING THE REDLINED SET TO AT&T MOBILITY CORPORATION UPON COMPLETION.
- FOR COLLOCATION SITES: CONTACT TOWER OWNER REPRESENTATIVE FOR PARTICIPATION IN BID WALK.
- GENERAL CONTRACTOR IS TO COORDINATE ALL POWER INSTALLATION WITH POWER COMPANY AS REQUIRED. CONTRACTOR TO REPORT POWER INSTALLATION COORDINATION SOLUTION(S) TO NETWORK CARRIER REPRESENTATIVE, PROJECT CONSTRUCTION MANAGER AND ARCHITECT.
- ANY SUBSTITUTIONS OF MATERIALS AND/OR EQUIPMENT, MUST BE APPROVED BY AT&T MOBILITY CORPORATION CONSTRUCTION MANAGER.
- IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE PENETRATION OF EXISTING ROOFING MATERIALS OCCUR, THE GENERAL CONTRACTOR SHALL COORDINATE WITH BUILDING OWNER AND BUILDING ROOFING CONTRACTOR OF RECORD FOR INSTALLATION, PATCH, REPAIR OR ANY AUGMENTATION TO THE ROOF, AND HAVE THE WORK GUARANTEED UNDER THE ROOFING CONTRACTOR'S WARRANTY FOR MOISTURE PENETRATION OR AND OTHER FUTURE BREACH OF ROOFING INTEGRITY.

GENERAL NOTES (CONT'D):

- IN THE CASE OF ROOFTOP SOLUTIONS WITH THE INSTALLATION OF ANTENNAS WITHIN CONCEALED (SHROUDED) SUPPORT FRAMES OR TRIPODS, THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE FRP DESIGNER/FABRICATOR TO ENSURE THAT THE FINAL FRP SHROUD IS SIMULATING (IN APPEARANCE) DESIGNATED EXISTING EXTERIOR BUILDING FACADE MATERIALS, TEXTURES, AND COLORS. THE CONTRACTOR SHALL FURTHERMORE ENSURE THE USE OF COUNTERSUNK FASTENERS IN ALL FRP CONSTRUCTION, WHEN PHOTOSIMULATIONS ARE PROVIDED. THE CONTRACTOR SHALL ENSURE THAT FINAL CONSTRUCTION REPRESENTS WHAT IS INDICATED IN PHOTOSIMULATION. SHOP DRAWINGS SHALL BE PROVIDED TO THE GENERAL CONTRACTOR, CONSTRUCTION COORDINATOR, AND ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
- IN THE CASE OF ROOFTOP SOLUTIONS FOR EQUIPMENT AND/OR ANTENNA FRAMES WHERE ANCHORING TO A CONCRETE ROOF SLAB IS REQUIRED, CONTRACTORS SHALL CONFIRM (PRIOR TO SUBMITTING BID) WITH CONSULTING CONSTRUCTION COORDINATOR AND ARCHITECT THE PRESENCE OF POST TENSION TENDONS WITHIN THE ROOF SLAB - RESULTING FROM AN UNDOCUMENTED DESIGN CHANGE IN THE EXISTING BUILDING "AS-BUILT DRAWING SET" - HAVING INDICATED AN ORIGINAL DESIGN SOLUTION OF REINFORCED CONCRETE W/ EMBEDDED STEEL REBAR. IN THE EVENT POST TENSION SLAB SOLUTION IS PRESENT, CONTRACTOR SHALL INCLUDE PROVISIONS FOR X-RAY PROCEDURES (INCLUDED IN BID) FOR ALL PENETRATION AREAS WHERE ANCHORING OCCURS.
- GENERAL & SUB CONTRACTORS SHALL USE STAINLESS STEEL METAL LOCKING TIES FOR ALL CABLE TRAY TIE DOWNS AND ALL OTHER GENERAL TIE DOWNS (WHERE APPLICABLE). PLASTIC ZIP TIES SHALL NOT BE PERMITTED FOR USE ON AT&T PROJECTS. RECOMMENDED MANUFACTURE SHALL BE: PANDUIT CORP. METAL LOCKING TIES MODEL NO. MLT4S-CP UNDER SERIES-304 (OR EQUAL). PANDUIT PRODUCT DISTRIBUTED BY TRIARC OF TACOMA, WA.

DESIGN CRITERIA:

- THE STRUCTURAL DESIGN OF THIS PROJECT IS IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE 2006 WITH OREGON STATE BUILDING CODE AMENDMENTS.
- DESIGN LOADS:**
DESIGN DATA FOR
 - ROOF SNOW LOAD _____ TBD
 - BASIC WIND SPEED _____ TBD
 - WIND EXPOSURE _____ TBD
 - SEISMIC ZONE _____ TBD

CONCRETE NOTES:

- ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI-318.
- CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH CHAPTER 19 OF THE 2006 IBC. STRENGTHS AT 28 DAYS AND MIX CRITERIA SHALL BE AS FOLLOWS.

TYPE OF CONSTRUCTION	28 DAY STRENGTHS (f'c)	W/C RATION	MINIMUM CEMENT CONTENT PER CUBIC YARD
A. SLABS ON GRADE TOPPING SLABS CONCRETE PIERS	2,400 PSI	≤ .45	5 1/2 SACKS
B. ALL STRUCTURAL CONCRETE EXCEPT WALLS	4,000 PSI	≤ .45	6 1/2 SACKS
C. CONCRETE WALLS	4,000 PSI	≤ .45	6 1/2 SACKS
- CEMENT SHALL BE ASTM C150, PORTLAND CEMENT TYPE II U.N.O.
- THE GENERAL CONTRACTOR SHALL SUPERVISE AND BE RESPONSIBLE FOR THE METHODS AND PROCEDURES OF CONCRETE PLACEMENT.
- ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, C618, C989 AND C1017. TOTAL AIR CONTENT SHALL BE IN ACCORDANCE WITH TABLE 1904.2.1 OF THE 2006 IBC.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, fy=60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS SHALL BE GRADE 40, fy=40,000 PSI. GRADE 60 REINFORCING BARS INDICATED ON DRAWINGS TO BE WELDED SHALL CONFORM TO ASTM A706. REINFORCING COMPLYING WITH ASTM A615(S1) MAY BE WELDED ONLY IF MATERIAL PROPERTY REPORTS INDICATING CONFORMANCE WITH WELDING PROCEDURES SPECIFIED IN A.W.S. D14 ARE SUBMITTED.
- REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315 AND 318. LAP ALL CONTINUOUS REINFORCEMENT AT LEAST 30 BAR DIAMETERS OR A MINIMUM OF 2'-0". PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS AT LEAST 30 BAR DIAMETERS OR A MINIMUM OF 2'-0". LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- SPIRAL REINFORCEMENT SHALL BE PLAIN WIRE CONFORMING TO ASTM A615, GRADE 60, fy=60,000 PSI.
- NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE CONSULTANT.

CONCRETE NOTES (CONT'D):

- CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
 - FOOTINGS AND OTHER UNFORMED SURFACES, EARTH FACE _____ 3"
 - FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGER) 2"
(#5 BARS OR SMALLER) 1 1/2"
 - SLABS AND WALLS (INTERIOR FACE) _____ 3/4"
- BARS SHALL BE SUPPORTED ON CHAIRS OR DOBIE BRICKS.
- ANCHOR BOLTS TO CONFORM TO ASTM A307.
- NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3,000 PSI MINIMUM).
- ALL EXPANSION ANCHORS TO BE HILTI BRAND. ADHESIVE ANCHORS REQUIRE TESTING TO CONFIRM CAPACITY UNLESS WAIVED BY ENGINEER.

STRUCTURAL STEEL NOTES:

- SHOP DRAWINGS FOR STRUCTURAL STEEL SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW PRIOR TO FABRICATION.
- STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION (INCLUDING FIELD WELDING, HIGH STRENGTH FIELD BOLTING, EXPANSION BOLTS, AND THREADED EXPANSION ANCHORS) SHALL BE BASED ON THE A.I.S.C. "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" LATEST EDITION. SUPERVISION SHALL BE IN ACCORDANCE WITH 2006 IBC CHAPTER 22, BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE CONSULTANT. THE CONSULTANT SHALL BE FURNISHED WITH A COPY OF ALL INSPECTION REPORTS AND TEST RESULTS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
- TYPE OF MEMBER
 - A. PLATES, SHAPES, ANGLES, AND RODS _____ ASTM A36, Fy 36 KSI
 - B. SPECIAL SHAPES AND PLATES _____ ASTM A572, Fy 50 KSI
 - C. PIPE COLUMNS _____ ASTM A53, Fy 35 KSI
 - D. STRUCTURAL TUBING _____ ASTM A500, Fy 46 KSI
 - E. ANCHOR BOLTS _____ ASTM A307
 - F. CONNECTION BOLTS _____ ASTM A325 TWIST-OFF-TYPE
- ALL MATERIAL TO BE HOT DIPPED GALVANIZED AFTER FABRICATION PER A123/A123M-00.
- ALL WELDING SHALL BE IN CONFORMANCE WITH A.I.S.C. AND AWS STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING E70 XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED. WELDING OF GRADE 60 REINFORCING BARS (IF REQUIRED) SHALL BE PERFORMED USING LOW HYDROGEN ELECTRODES. WELDING OF GRADE 40 REINFORCING BARS (IF REQUIRED) SHALL BE PERFORMED USING E70 XX ELECTRODES. WELDING WITHIN 4" OF COLD BENDS IN REINFORCING STEEL IS NOT PERMITTED. SEE REINFORCING NOTE FOR MATERIAL REQUIREMENTS OF WELDED BARS.
- COLD-FORMED STEEL FRAMING MEMBERS SHALL BE OF THE SHAPE, SIZE, AND GAGE SHOWN ON THE PLANS. PROVIDE MINIMUM SECTION PROPERTIES INDICATED. ALL COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE A.I.S.S. "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
- BOLTED CONNECTIONS SHALL USE BEARING TYPE ASTM A325 BOLTS (3/4" DIA.) AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
- ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE DESIGN & CONSTRUCTION SPECIFICATION AND IN ACCORDANCE WITH ASTM A36 UNLESS NOTED OTHERWISE.
- ALL WELDS TO BE 1/4" FILLET UNLESS NOTED OTHERWISE.
- TOUCH UP ALL FIELD DRILLING AND WELDING WITH 2 COATS OF GALVAQUON (ZINC RICH PAINT) OR APPROVED EQUAL.

TOWER/POLE NOTES:

- VERIFICATION THAT THE EXISTING TOWER/POLE CAN SUPPORT THE PROPOSED ANTENNA LOADING IS TO BE DONE BY OTHERS.
- PROVIDE SUPPORTS FOR THE ANTENNA COAX CABLES TO THE ELEVATION OF ALL INITIAL AND FUTURE ANTENNAS. ANTENNA COAX CABLES ARE TO BE SUPPORTED AND RESTRAINED AT THE CENTERS SUITABLE TO THE MANUFACTURER'S REQUIREMENTS.

ABBREVIATED ROOF TOP SAFETY PROCEDURES (WHEN APPLICABLE):

(AS PER "ACCIDENT PREVENTION PROGRAM" - BY PERMISSION OF WREN CONSTRUCTION, INC. - 03/01/99)

FALL PROTECTION METHODS AND EQUIPMENT ROOF TOP INSTALLATIONS

- FOR WORK IS BEING PERFORMED WITHIN 25' OF AN UNPROTECTED ROOF EDGE, THE CONSTRUCTION SUPERVISOR SHALL DESIGNATE A TRAINED SAFETY MONITOR TO OBSERVE THE MOVEMENTS AND ACTIVITIES OF THE CONSTRUCTION WORKERS.
- SAFETY MONITOR SHALL WARN CONSTRUCTION WORKERS OF HAZARDS (I.E., BACKING UP TOWARD A ROOF EDGE, ETC.) OR UNSAFE ACTIVITIES. THE SAFETY MONITOR MUST BE ON THE SAME ROOF AND WITHIN VISUAL AND VERBAL DISTANCE OF THE CONSTRUCTION WORKERS.
- CONSTRUCTION INVOLVING WORKERS TO APPROACH WITHIN 6' OR LESS OF AN UNPROTECTED ROOF EDGE, REQUIRES WORKERS TO USE SAFETY LINE.
- SAFETY LINE SHALL BE MINIMUM 1/2" DIAMETER NYLON, WITH A NOMINAL TENSILE STRENGTH OF 5400 LBS.
- SAFETY LINE SHALL BE ATTACHED TO A SUBSTANTIAL MEMBER OF THE STRUCTURE.
- SAFETY LINE LENGTH SHALL BE SET ALLOWING CONSTRUCTION WORKER TO REACH EDGE OF ROOF, BUT NOT BEYOND.
- SAFETY BELTS SHALL BE WORN BY ALL CONSTRUCTION WORKERS.
- MONTHLY SAFETY INSPECTION AND MAINTENANCE OF THE FALL PROTECTION EQUIPMENT SHALL OCCUR BY THE SAFETY COMMITTEE REPRESENTATIVES, INCLUDING:

INSPECTION OF CONSTRUCTION AREA FOR HAZARDS
USE OF AN INSPECTION CHECKLIST
INTERVIEWING COWORKERS REGARDING SAFETY CONCERNS
REPORTING AND DOCUMENTING ANY HAZARDS
REPORTING HAZARDS TO THE SAFETY COMMITTEE FOR CONSIDERATION
POSTING RESULTS OF INSPECTION AND ANY ACTION TAKEN
RECEIVING AN UNBIASED REVIEW OF ONE'S OWN WORK AREA BY ANOTHER COWORKER SAFETY REPRESENTATIVE

REFER TO ROOFTOP WORK AREA SAFETY PROTOCOL
NATIONAL ASSOCIATION OF TOWER ERECTORS 2000 PUBLICATION

REFERENCED OSHA REGULATION/STANDARDS SHALL BE REVIEWED BY TOWER ERECTORS, EQUIPMENT INSTALLERS, AND TOWER/ROOF TOP CONTRACTORS/SUBCONTRACTORS
29 CFR 1926.500 - SCOPE, APPLICATION, AND DEFINITIONS
29 CFR 1926.501 - DUTY TO HAVE FALL PROTECTION
19 CFR 1926.502 - FALL PROTECTION SYSTEMS CRITERIA AND PRACTICES

SYMBOLS AND ABBREVIATIONS:

A/C	AIR CONDITIONING	HORZ	HORIZONTAL	SHT	SHEET
AGL	ABOVE FINISH GRADE	HR	HOUR	SIM	SIMILAR
APPROX	APPROXIMATELY	HT	HEIGHT	SPEC	SPECIFICATION
		HVAC	HEATING	SF	SQUARE FOOT
BLDG	BUILDING		VENTILATION	SS	STAINLESS STEEL
BLK	BLOCKING		AIR CONDITIONING	STL	STEEL
		CLG	CEILING	STRUCT	STRUCTURAL
CLR	CLEAR	ID	INSIDE DIAMETER	STD	STUD
CONC	CONCRETE	IN	INCH	SUSP	SUSPENDED
CONST	CONSTRUCTION	INFO	INFORMATION		
CONT	CONTINUOUS	INSUL	INSULATION	THRU	THROUGH
		INT	INTERIOR	TNNG	TINNED
		IBC	INTERNATIONAL BUILDING CODE	TYP	TYPICAL
				UNO	UNLESS NOTED OTHERWISE
DBL	DOUBLE DIAMETER			VERT	VERTICAL
DIA	DIAGONAL	LBS	POUNDS	VIF	VERIFY IN FIELD
DIAG	DOWN	MAX	MECHANICAL		
DN	DETAIL	MECH	METAL		
DET	DRAWING	MTL	MANUFACTURE		
DWG		MFR	MANAGER		
		MGR	MINIMUM	W/	WITH
EA	EACH	MIN	MISCELLANEOUS	W/O	WITHOUT
ELEV	ELEVATION	MISC		WP	WATER PROOF
ELEC	ELECTRICAL				
EQ	EQUAL				
EQUIP	EQUIPMENT	NA	NOT APPLICABLE		
EXT	EXTERIOR	NIC	NOT IN CONTRACT		
		NTS	NOT TO SCALE		
FIN	FINISH				
FLUOR	FLUORESCENT	OC	ON CENTER		
FLR	FLOOR	OD	OUTSIDE DIAMETER		
FT	FOOT				
		PLYWD	PLYWOOD		
GA	GAUGE	PROJ	PROJECT		
GALV	GALVANIZED	PROP	PROPERTY		
GC	GENERAL CONTRACTOR	PT	PRESSURE TREATED		
GRND	GROUND	REQ	REQUIRED		
GYP BD	GYP SUM WALL BOARD	RM	ROOM		
		RO	ROUGH OPENING		

—T—	TELEPHONE
—E—	POWER
—G—	GROUND WIRE
—COAX—	COAXIAL CABLE
⚡	ANTENNA
⊕	CENTERLINE
(E)	EXISTING
(P)	NEW
(X X-X)	DETAIL NUMBER SHEET NUMBER



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DATE:	4-20-10
DRAWN BY:	BPC
CHECKED BY:	MEV

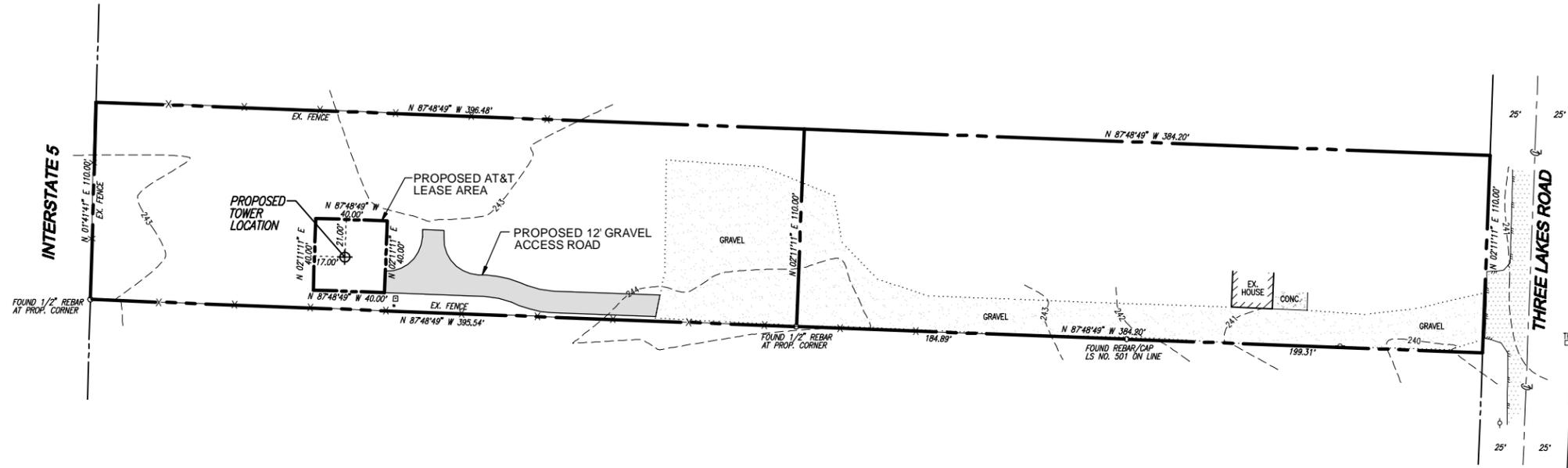
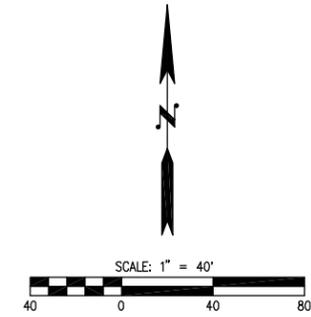
REVISIONS			
REV	DATE	DESCRIPTION	BY
1	4-20-10	PRELIMINARY ZONING	MEV
2	5-28-10	FINAL ZONING	BEW



SITE
C007
GRAND PRAIRIE
3626 THREE LAKES RD SE
ALBANY, OR 97322

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
G-1



Drawing: P:\2010\Telecom\10-428 AT&T - C007 Grand Prairie\Drawings\Zoning\10428ZD-C1-0.dwg Plotted: May 28, 2010 - 10:22am



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 Woodville, WA 98072 Fx. 425.462.2893
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SITE
 C007
 GRAND PRAIRIE
 3626 THREE LAKES RD SE
 ALBANY, OR 97322

SHEET TITLE
 CIVIL SURVEY

SHEET NUMBER
C-1

VERTICAL DATUM: NAVD-88
BENCHMARK:
 BENCHMARK IS CORN
 ORGN NETWORK STATION
 "LCSO" - ALBANY LINN CO.
 LAT: 44°38'03.6488" N
 LONG: 123°06'23.9369" W
 ELEVATION = 194.779'
 ELEVATION DERIVED USING GPS OBSERVATIONS.
 ACCURACY MEETS OR EXCEEDS 1A STANDARDS
 AS DEFINED ON THE F&M ASAC INFORMATION SHEET 91-003.

COORDINATE DATA
 (AT CENTER OF PROPOSED TOWER):
 NAD 83(91) NAVD-88
 LAT: 44°36'31.54" N ELEV. = 243.0'
 LONG: 123°03'39.13" W
 LONG: (123.060869° W)

SURVEY REFERENCE
 PROPERTY LINE ADJUSTMENT SURVEY FOR STAN KELLER IN THE JOHN BURKHART DONATION LAND CLAIM #51 IN THE SOUTH 1/2 OF SECTION 16 AND THE NORTH 1/2 OF SECTION 21, TOWNSHIP 11 SOUTH, RANGE 3 WEST, W.M., LINN COUNTY, OREGON. C.S. 23115.

BOUNDARY DISCLAIMER
 THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. SUBJECT AND ADJACENT PROPERTY LINES ARE DEPICTED USING FIELD-FOUND EVIDENCE AND RECORD INFORMATION.
 THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF PARTIES WHOSE NAMES APPEAR HEREON ONLY, AND DOES NOT EXTEND TO ANY UNNAMED THIRD PARTIES WITHOUT EXPRESS RECERTIFICATION BY THE LAND SURVEYOR.
 BOUNDARY LINES SHOWN AND CORNERS SET REPRESENT DEED LOCATIONS; OWNERSHIP LINES MAY VARY. NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED. THIS SURVEY PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO SHOW ALL EASEMENTS, RESTRICTIONS, RESERVATIONS, AND OCCUPATION WHICH MAY ENCUMBER TITLE TO OR USE OF THIS PROPERTY.

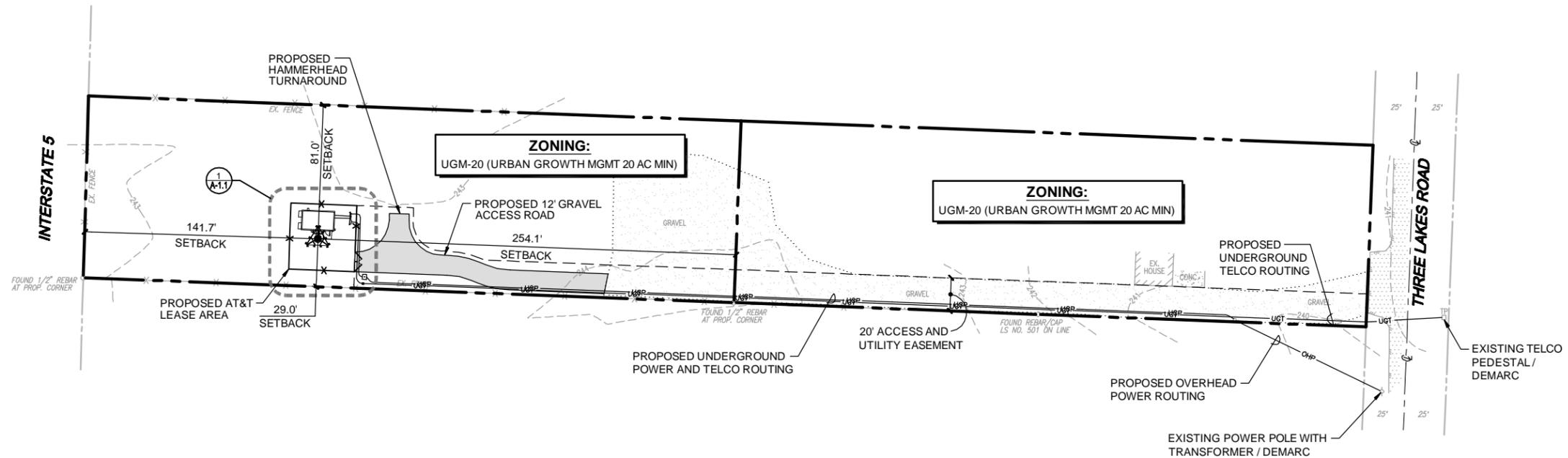
- LEGEND**
- FOUND REBAR AS NOTED (APRIL, 2010)
 - ⊗ MONUMENT NOT FOUND
 - ⊥ RIGHT OF WAY CENTERLINE
 - ⊕ STORM DRAIN MANHOLE
 - ⊙ LIGHT POLE
 - ⊖ UTILITY/POWER POLE
 - ⊘ TELE. PEDESTAL
 - ⊙ GUY ANCHOR
 - ⊕ POWER VAULT
 - OHP — OVERHEAD POWER



ZONING MAP
NOT TO SCALE

ADJACENT ZONING:
UGM-20 (URBAN GROWTH MGMT 20 AC MIN)

ADJACENT ZONING:
UGM-20 (URBAN GROWTH MGMT 20 AC MIN)



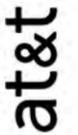
ADJACENT ZONING:
UGM-5 (URBAN GROWTH MGMT 5 AC MIN)

ADJACENT ZONING:
UGM-20 (URBAN GROWTH MGMT 20 AC MIN)

PROPOSED QUANTITIES	
POWER LENGTH:	
UNDERGROUND:	585'
OVERHEAD:	170'
TELCO LENGTH:	745'
ROAD LENGTH:	185'

SITE PLAN

22"x34" SCALE: 1" = 100' 11"x17" SCALE: 1" = 200'



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REVISIONS			
REV	DATE	DESCRIPTION	BY
1	4-20-10	PRELIMINARY ZONING	MEV
2	5-28-10	FINAL ZONING	BEW

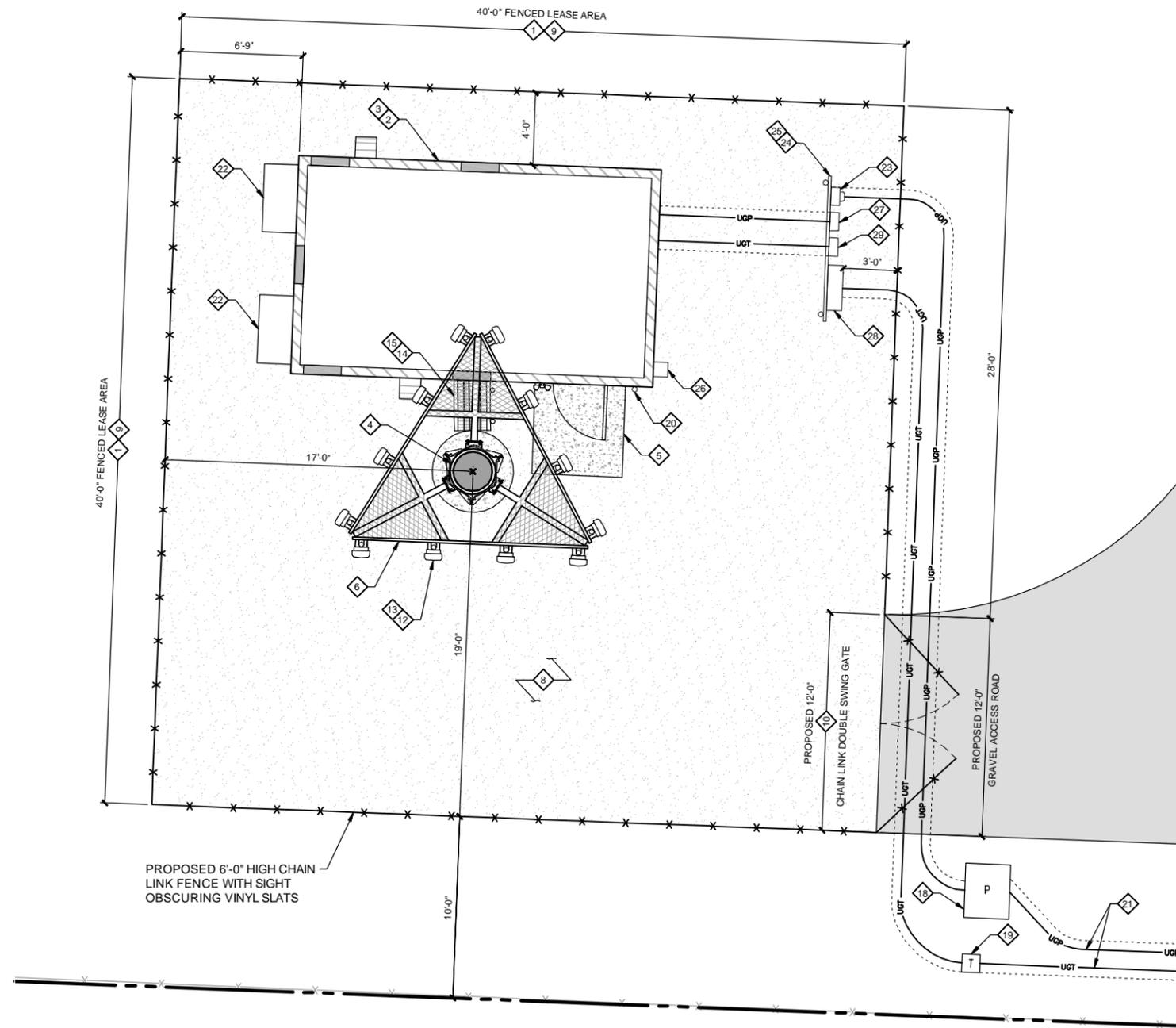


SITE
CO07
GRAND PRAIRIE
3626 THREE LAKES RD SE
ALBANY, OR 97322

SHEET TITLE
SITE PLAN

SHEET NUMBER
A-1

Drawing: P:\2010\Telecom\10-428 AT&T - CO07 Grand Prairie\Drawings\Zoning\104282D-A1-1.dwg Plotted: May 28, 2010 10:23am



CONSTRUCTION PLAN KEYED NOTES

- 1 PROPOSED AT&T FENCED LEASE AREA (40x40).
- 2 PROPOSED 12x20' PREFABRICATED EQUIPMENT SHELTER.
- 3 PROPOSED 6" THICK 12x20' CONCRETE SLAB-ON-GRADE WITH THICKENED SLAB EDGE PER SHELTER MANUFACTURER RECOMMENDATIONS.
- 4 PROPOSED 140' MONOPOLE. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 5 PROPOSED 5x5' CONCRETE STOOP.
- 6 PROPOSED LOW PROFILE ANTENNA MOUNT. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.

- 8 SITE TO BE FILLED WITH 6" OF 3/4" DIA CRUSHED ROCK W/ WEED BARRIER ON 95% COMPACTED FILL.
- 9 PROPOSED 6'-0" HIGH CHAIN LINK FENCE WITH BARBED WIRE AND SIGHT OBSCURING VINYL SLATS.
- 10 PROPOSED 12'-0" WIDE CHAIN LINK DOUBLE SWING GATE WITH SIGHT OBSCURING VINYL SLATS AND LOCKING MECHANISM. AT&T SIGNAGE MOUNTED TO GATE.

- 12 PROPOSED ANTENNAS. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 13 PROPOSED TWIN TMA. TWO PER SECTOR. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 14 PROPOSED COAXIAL CABLE TO ANTENNAS. SEE COAX LENGTH SCHEDULE BELOW. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 15 PROPOSED 10'-0" HIGH PEDESTAL MOUNTED ICE BRIDGE.

- 18 PROPOSED POWER TRANSFORMER/DEMARC.
- 19 PROPOSED TELCO PEDESTAL/DEMARC.
- 20 PROPOSED GPS/E-911 DOWNLINK ANTENNAS MOUNTED TO PROPOSED SHELTER.
- 21 PROPOSED UNDERGROUND POWER & TELCO ROUTING.
- 22 PROPOSED SHELTER HVAC UNIT.
- 23 PROPOSED AT&T ELECTRIC METER MOUNTED TO PROPOSED UTILITY H-FRAME.
- 24 REGENT 300W HALOGEN LIGHT WITH 1 HR TIMER SWITCH / GFI DUPLEX RECEPTACLE.
- 25 PROPOSED UTILITY H-FRAME.
- 26 PROPOSED MICRIN 1-PHASE COMPACT GENERATOR INTERFACE PANEL (P/N MTC6001EC-2) MOUNTED TO PROPOSED UTILITY H-FRAME.
- 27 PROPOSED ELECTRICAL PANEL WITH DISCONNECT MOUNTED TO H-FRAME.
- 28 PROPOSED 30"x30" HOFFMAN BOX FOR TELCO SERVICE MOUNTED TO PROPOSED UTILITY H-FRAME.
- 29 PROPOSED TELCO DEMARC ENCLOSURE MOUNTED TO PROPOSED UTILITY H-FRAME.

SITE NOTES

1. VERIFY ANTENNA RAD CENTER & AZIMUTHS WITH LOCKDOWN SET RF SITE BUILD FORM.
2. TOWER, ANTENNAS, MOUNTING HARDWARE AND EXPOSED COAX SHALL BE PAINTED TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.

COAX LENGTH SCHEDULE

COAX LENGTHS ARE CALCULATED FROM THIS DRAWING SET. ANY DEVIATION FROM THE PROPOSED DESIGN MAY REQUIRE ALTERATION OF COAX LENGTHS. CONTRACTOR SHALL ENSURE THAT FINAL DESIGN AND COAX LENGTHS ARE COORDINATED.

SECTOR	LENGTH	# COAX	DIAMETER
SECTOR "A"	± 180'	8	1-5/8"
SECTOR "B"	± 180'	8	1-5/8"
SECTOR "C"	± 180'	8	1-5/8"

ENLARGED SITE PLAN

22"x34" SCALE: 1/4" = 1'-0"

11"x17" SCALE: 1/8" = 1'-0"

1



LDC Commercial Infrastructure Residential Telecom
THE CIVIL ENGINEERING GROUP
 14201 NE 200th St., #100 Ph. 425.806.1869
 Woodinville, WA 98072 Fx. 425.462.2893
 www.LDCcorp.com

DATE:	4-20-10
DRAWN BY:	BPC
CHECKED BY:	MEV

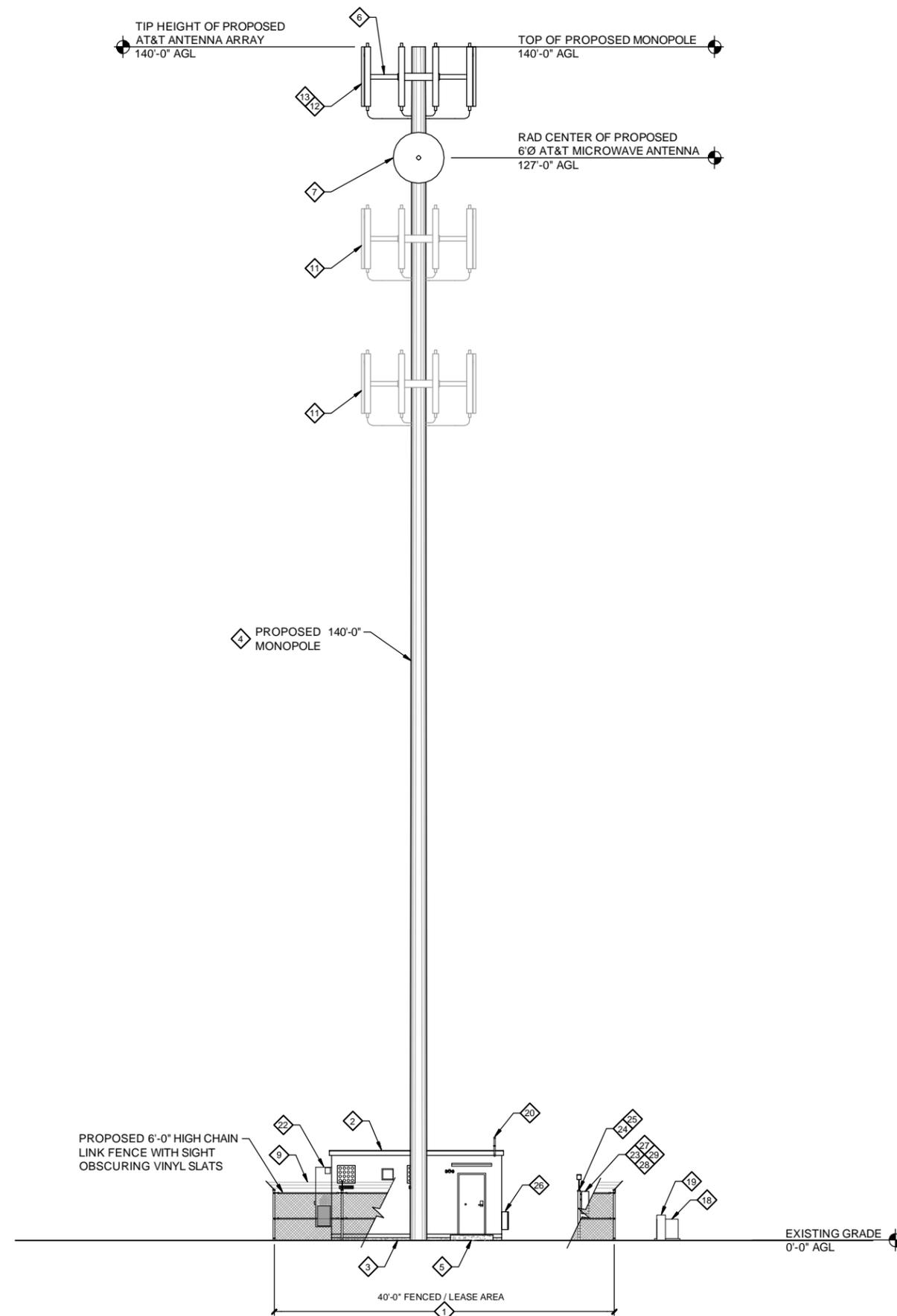
REVISIONS			
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1	4-20-10	PRELIMINARY ZONING	MEV
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SITE
 CO07
 GRAND PRAIRIE
 3626 THREE LAKES RD SE
 ALBANY, OR 97322

SHEET TITLE
 ENLARGED SITE PLAN

SHEET NUMBER
A-1.1



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- 6 PROPOSED LOW PROFILE ANTENNA MOUNT. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 7 PROPOSED 6" AT&T MICROWAVE ANTENNA. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 9 PROPOSED 6'-0" HIGH CHAIN LINK FENCE WITH BARBED WIRE AND SIGHT OBSCURING VINYL SLATS.
- 11 FUTURE CARRIER EQUIPMENT.
- 12 PROPOSED ANTENNAS. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
- 13 PROPOSED TWIN TMA. TWO PER SECTOR. PAINT TO HAVE A MATTE OR NON GLARE FINISH, COLOR TO MATCH NATURAL SURROUNDINGS.
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REVISIONS			
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1	4-20-10	PRELIMINARY ZONING	MEV
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SITE
 CO07
 GRAND PRAIRIE
 3626 THREE LAKES RD SE
 ALBANY, OR 97322

SHEET TITLE
 ELEVATION

SHEET NUMBER
A-2

Drawing: P:\2010\10_428 AT&T - CO07 Grand Prairie\Drawings\Zoning\104282D-a2-0.dwg Plotted: May 28, 2010 - 10:23am

SOUTH ELEVATION (LOOKING NORTH)

22"x34" SCALE: 1/8" = 1'-0" 11"x17" SCALE: 1/16" = 1'-0"

APPENDIX D
BIOLOGICAL ASSESSMENT



Adapt Engineering
101725 SW Barbur Blvd., Ste. 200
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

**U.S. FISH & WILDLIFE SERVICE/
NATIONAL MARINE FISHERIES SERVICE
BIOLOGICAL ASSESSMENT**

**Proposed ATC Project
Site 278215/Grand Prairie
3626 Three Lakes Road
Albany, OR 97322-7236**

Prepared on Behalf of:

American Tower Corporation
10 Presidential Way
Woburn, MA 01801

Prepared by:

Adapt Engineering
10725 SW Barbur Blvd., Ste. 200
Portland, Oregon 97219

January 4, 2013

Adapt Project No. OR10-16434-NEPA

1.0 INTRODUCTION

Adapt Engineering (Adapt), on behalf of American Tower Corporation (ATC), has performed a biological assessment for a proposed telecommunications installation project. This assessment has been conducted per Federal Communication Commission's (FCC) National Environmental Policy Act (NEPA) requirements to evaluate potential impacts on Threatened or Endangered Species and Critical Habitats. Based on the results of the biological assessment, Adapt has made a determination that the proposed antenna installation and associated construction will have no effect on any listed threatened or endangered species or designated critical habitats, and that the project will not significantly affect migratory birds.

As per an agreement with the US Fish & Wildlife Service's (USFWS) Oregon office and in accordance with FCC guidelines on F&W reviews, biological assessments with "no effect" determinations do not require review by the F&W in order to fulfill FCC NEPA reporting requirements. Additionally, "no effect" determinations do not require National Marine Fisheries Service (NMFS) consultation for species under their jurisdiction.

The information on federally listed species described below was reviewed by the ACOE as part of the review of the Removal Fill permit submitted for the proposed action. ACOE determined that consultation was not required with USFWS or NMFS and the permit has been issued. See Appendix K of the Environmental Assessment prepared for this project for further details.

2.0 SITE DESCRIPTION

Proposed Tower Type:	140-foot Monopole Tower
County:	Linn County
Host Parcel Address:	3626 Three Lakes Road SE Albany, Oregon 97322
Section-Township-Range:	Section 16-Township 11 South-Range 03 West, W.M.
Latitude-Longitude (NAD 83)	44.608761 & - 123.060869
Host Parcel Use:	Vacant Field

The project site is located at 3626 Three Lakes Road, Albany, Linn County, Oregon (Section 16-Township 11 South-Range 03 West, Willamette Meridian). The 1A Survey Certification indicates the surveyed ground elevation at the project site is 243 feet.

The rectangular-shaped one acre host parcel is a vacant field that may have been used for agricultural purposes in the past. The property is owned by Aaron and Heather Sadowsky, who live on the adjacent one acre parcel to the east of the project parcel.

3.0 PROPOSED ACTION

According to zoning drawings (dated May 28, 2010) ATC proposes to lease a 40-foot-square (1,600 square feet) area. The lease area will be developed into an equipment compound with a 140-foot monopole tower and a prefabricated equipment shelter housing telecommunications (telco) equipment. Three arrays with four panel antennas per array will be mounted to the top of the new tower and a microwave dish will be located at the 127-foot mark. The overall height of the tower is 140 feet (145 with appurtenances). The new pole will accommodate future carriers, with AT&T Mobility expected to occupy the uppermost section. Chain-link fencing will enclose the compound. A 200-foot by 12-foot access road will be constructed to connect the facility to the existing gravel road on the property.

The design of this proposed project includes fill and removal of material within designated wetlands to construct the gravel access road, fenced compound, shelter, and tower footings. The electrical infrastructure will follow the path of the access (4'x100' utility trench). This site is to be filled with 6" of ¾" diameter crushed rock with weed barrier on 95% compacted fill. The applicant is proposing to permanently impact only 0.089 acres of wetlands within the proposed project area and will have an approximate fill volume of 145 cubic yards and an approximate removal volume of 145 cubic yards of material within wetlands (rock, gravel, silt, clay, and topsoil) to complete the development requirements.

Fill and removal material will be transferred onsite from Three Lakes Road through an existing gravel access road from the property east of the proposed tower location. Construction activity will be staged within the proposed impact area to limit any potential impacts to surrounding resources including wetlands in the area. All material removed from the project site will be transported to a separate property.

Onsite hydrology is believed to be driven by groundwater flow and topography. The direction of this flow is from the south to the north towards Periwinkle Creek. The proposed access road will be installed roughly level with the surrounding ground surface and should not pose any impediment to surface flow as a result.

4.0 WETLAND DISCUSSION

The project is occurring in a United States Army Corp of Engineers (ACOE) and Oregon Department of State Lands (DSL) jurisdictional wetland. The USFWS' Wetlands Online Mapper indicated that there are no wetlands on site. The local wetland inventory also has no mapped wetlands at the site. However, during the site visit, Adapt staff noted wetland conditions that warranted further investigation.

The project area was delineated by Eric Henning, with Fernwood Environmental Services, on July 14, 2010. Mr. Henning's wetland delineation report concluded that the entire project area was within the boundaries of a wetland. The delineation report was submitted to DSL on August 2010. On March 8, 2011, a concurrence letter was sent stating the delineation report was approved by Janet C. Morlan, Wetlands Program Manager with DSL.

Section 404 of the Clean Water Act of 1972 requires that any fill material placed within a jurisdictional wetland requires permitting and review by the ACOE. Additionally, DSL requires permitting with their agency for fill placed within a wetland. Therefore a joint removal/fill permit application was first submitted to DSL and USACE. On May 27, 2011 the permit was approved by ACOE under Nationwide Permit 12 (Utility Lines). Although the Nationwide Permit under which the approval was issued expired (and was subsequently updated) in March 2012, ACOE regulations allow for 12 months following NWP expiration, and therefore the effective expiration date of this permit is March 19th 2013 (Shelly Hanson, ACOE, per. comm., February 28, 2012) DSL requested additional information, and an updated permit was submitted. On September 28, 2012 the removal/fill permit was approved by DSL, expiring September 28, 2013. The purchase of 0.09 acres of wetland mitigation is required as a condition of the removal/fill permit with both agencies. ATC has therefore purchased wetland mitigation bank credits to mitigate for the wetland disturbance at the proposed project site.

Specific terms and conditions are associated with both ACOE and DSL permits and are fully described in the appendices to this document. Permits were originally initiated and issued to

AT&T Mobility. At the time this document was prepared ATC was in the process of transferring all appropriate permits into their name from AT&T's.

Finally, ACOE reviewed the proposed project for compliance with Section 7 of the ESA as part of the removal fill permitting process. It was determined that no additional consultation with USFWS or NMFS was necessary prior to authorization of the permit as described above.

5.0 THREATENED AND ENDANGERED SPECIES / HABITATS DATA

A review of the Oregon USFWS office's most recent listing (see Attachment A) of threatened and endangered species (federal designation) in Linn County (dated December 29 2012), revealed three endangered species (Fender's blue butterfly, Golden paintbrush, and Bradshaw's desert parsley); six threatened species (Northern spotted owl, Oregon chub, Bull trout, Willamette daisy, Kincaid's lupine and Nelson's checker-mallow); and several species of concern.

Information from the Office of Protected Resources (OPR), a division of the National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS), was evaluated to determine if the project would have any impact on marine species, such as anadromous fish that migrate between saltwater and freshwater environments. NMFS information listed Steelhead trout (*Oncorhynchus mykiss*) and Chinook salmon (*Oncorhynchus tshawytscha*) in the Upper Willamette River as threatened. (<http://www.nmfs.noaa.gov/pr/species/esa/fish.htm>)

Additional endangered and threatened species data was obtained from the Portland State Institute of Natural Resource's Oregon Biodiversity Information Center (ORBIC). The ORBIC data indicates that there are populations of Steelhead, Chinook and Oregon chub which are listed as threatened, discussed below. The ORBIC data does not indicate occurrences of the other USFWS-listed threatened and endangered species or critical habitats at the project site or immediate surrounding area. Furthermore, the ORBIC species data search did not indicate that any known Bald Eagle nests were in the project vicinity. The bald eagle is protected under the Migratory Bird Act and the Bald and Golden Eagle Protection Act.

Because of the sensitivity of the species information and non-disclosure agreements with the Portland State University ORBIC, Adapt is not able to provide specific species and location information, or the raw data.

The Oregon Department of Fish & Wildlife lists only four species that are not listed at a Federal level: Kit Fox, Wolverine, Brown Pelican, and Grey Whale. The Oregon Department of Agriculture lists golden paintbrush, Willamette daisy, wayside aster, Bradshaw's lomatium, Kincaid's lupine, white-topped aster, and Nelson's checkermallow as occurring within Linn County. Of these only the wayside aster and white-topped aster are not federally listed.

The project is not occurring in or near any Critical Habitat Designated by the USFWS. (<http://criticalhabitat.fws.gov/crithab/>) (Attachment B—Designated Critical Habitat Map)

5.1 SPECIES SPECIFIC FIELD SURVEYS

In the course of this project, Adapt submitted a preliminary biological assessment in conjunction with a removal-fill permit to ACOE (NWP-2011-92). This BA assessed impacts to the following ESA listed species: Fender's blue butterfly, Golden paintbrush, Bradshaw's

desert parsley, Northern spotted owl, Oregon chub, Bull trout, Willamette daisy, Kincaid's lupine and Nelson's checker-mallow. Additionally this BA included the results of a June 8th 2010 field survey which did not find any evidence of ESA listed species. Due to the small size of the lease area (40 x 40 ft) a complete inspection of the site including fence lines was conducted at this time using a transect method analogous to those described below. This original survey was conducted within the appropriate survey window for all botanical species with the exception of Bradshaw's Desert Parsley (*Lomatium bradshawii*) (Jeff Dillon, USFWS per comm. May 2011). Additionally, there are no formal protocols issued by USFWS for conducting botanical surveys for these species (Jeff Dillon, per comm.) The results of the original assessment indicated that no ESA listed species would be effected by the proposed project.

On April 11th, 2011 ACOE requested that Adapt supplement the original June 8th botanical survey with additional information and field work during the peak flowering period of those species which might flower before the original June 8th 2010 field survey. Adapt consulted with the Portland office of the USFWS to determine the appropriate survey timing for all species of interest. After determining that only Bradshaw's Desert Parsley bloomed (exclusively) prior to the initial survey, Adapt contacted the Nature Conservancy in Eugene to determine when this species was blooming in that area. A supplemental survey was subsequently performed on May 6, 2011.

For this followup field survey, the property was split into two survey areas in accordance with differing vegetation types and disturbance levels. For the front of the property, approximately three-foot transects were walked across the entirety of the lease area and un-graveled portion of the access road as shown in figure 1. All areas walked were surveyed for the presence of Bradshaw's Lomatium (*Lomatium bradshawii*) and Lupine (*Lupinus* spp). Due to recent mowing, vegetation and debris were searched for dissected leaves of Lomatium and lupine. In addition, fence lines were walked (figure 2) and adjacent parcels looked at for flowering plants. A species list was then compiled for the lease area as shown in Table 1.

For the back area, because of the small area and low level of disturbance, the area was surveyed thoroughly without transects.

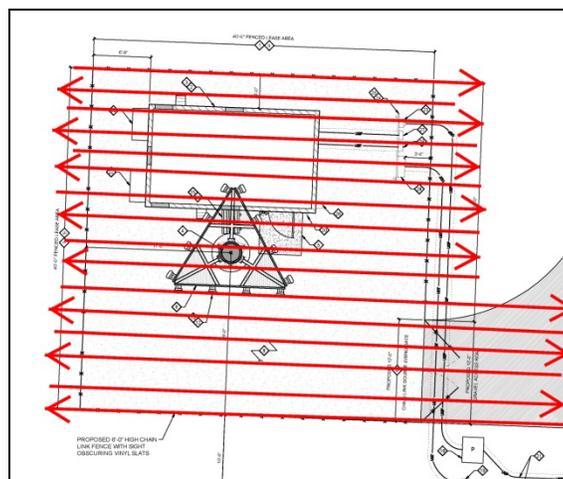


Figure 1. Lease area transects

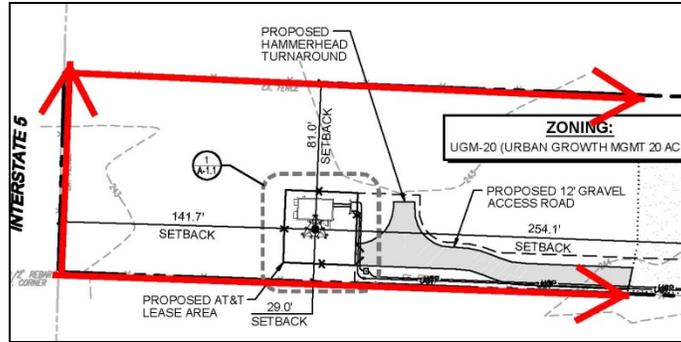


Figure 2. Fence line surveys

No instances of *Lomatium bradshawii*, or *Lupine* (*Lupinus* spp) were found within the host parcel. The lease area produced eight species which are listed in Table 1 below. The parcel to the north was a pasture heavily grazed by horses and the parcel to the south was a hay field, in both instances *Lomatium* was not found. The table below is a complete list of all species identified during the supplemental field survey.

Common Name	Scientific Name
White Clover	<i>Trifolium repens</i>
Subterranean clover	<i>Trifolium subterraneum</i>
Cats ear	<i>Hypochaeris radiata</i>
Sweet Vernal Grass	<i>Anthoxanthum odoratus</i>
Meadow Foxtail	<i>Alpecurus pratensis</i>
Velvet Grass	<i>Holcus lanatus</i>
Grass	<i>Festuca Spp.</i>
Blackberry	<i>Rubus discolor</i>
Dandelion	<i>Taraxacum spp.</i>

Adapt found no evidence of *Lomatium* or *lupine* within the host parcel of the project site. In addition the owner of the property was talked to and he stated that the parcel has been mowed several times in spring for the last eight years. Prior to his ownership the parcel was grazed by horses. Due to the frequency and timing of disturbances to the host parcel, and the lack of findings, it is Adapts opinion that Bradshaw's *Lomatium* will not be affected by the proposed project and therefore this project will have no effect Federally Listed threatened and endangered species.

5.2 SUMMARY OF ACTION EFFECTS

See Table 2 for a list of species and a determination of effects. In summary, the proposed project is expected to have **no effect** on State or Federal Listed Endangered or Threatened Species.

Species	Federal Status	State Status	Species Habitat Requirements	Effect	Rationale
Northern Spotted Owl (<i>Strix occidentalis caurina</i>)	T	T	Old growth trees, a multi-layered forest canopy and standing dead trees for nesting, foraging and roosting	NE	The project site and vicinity does not provide the habitat this species requires
Oregon Chub (<i>Oregonichthys crameri</i>)	T		Slow moving waters, such as beaver ponds, oxbows and side channels	NE	The project site does not provide the habitat required by this species.
Bull Trout (<i>Salvelinus confluentus</i>)	T		Cold, clear water streams and clean stream substrates for spawning.	NE	The project site does not provide the habitat required by this species. Erosion control measures will be implemented to prevent runoff from entering nearby waterbodies
Fender's Blue Butterfly (<i>Icaricia icarioides fenderi</i>)	E		Dry upland prairies of fescue grasses and lupine (Kincaid's primarily) plants	NE	Field surveys indicated that this species is not present within the project area.
Golden Paintbrush (<i>Castilleja levisecta</i>)	T	E	Upland prairies, on generally flat grasslands; glacial soils	NE	Field surveys indicated that this species is not present within the project area.
Willamette Daisy (<i>Erigeron decumbens</i> var. <i>decumbens</i>)	E	E	Principally valley bottoms with soils of the Bashaw, Mcalpin, and Wapato series	NE	Field surveys indicated that this species is not present within the project area.
Kincaid's Lupine (<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>)	T	T	Upland prairie habitats, consisting of mostly fescue grass	NE	Field surveys indicated that this species is not present within the project area.
Bradshaw's desert parsley (<i>Lomatium bradshawii</i>)	E	E	Low lying areas near small streams that are seasonally flooded or saturated in soils of the Bashaw, Mcalpin and Wapato series	NE	Field surveys indicated that this species is not present within the project area.
Nelson's Checker-Mallow (<i>Sidalcea nelsoniana</i>)	T	T	Wet prairies and near streams and wetlands	NE	Field surveys indicated that this species is not present within the project area.
Steelhead (<i>Oncorhynchus mykiss</i>)	T		Cold, clear water streams and clean stream substrates for spawning, as well as estuaries, and ocean habitat	NE	The project site does not provide the habitat required by this species. Erosion control measures will be implemented to prevent runoff from entering nearby waterbodies
Chinook salmon (<i>Oncorhynchus tshawytscha</i>)	T		Cold, clear water streams and clean stream substrates for spawning, as well as estuaries, and ocean habitat	NE	The project site does not provide the habitat required by this species. Erosion control measures will be implemented to prevent runoff from entering nearby waterbodies
Grey Whale (<i>Eschrichtius robustus</i>)		E	Deep sea and near shore ocean habitat	NE	The site is not located at or near the coastline

Table 2 continued: Species Listing and Effect Determination					
Species	Federal Status	State Status	Species Habitat Requirements	Effect	Rationale
Brown Pelican (<i>Pelecanus occidentalis</i>)		E	Near shore ocean and coastal habitat.	NE	The site is not located at or near the coastline
Kit Fox (<i>Vulpes macrotis</i>)		T	Desert and semi-arid, scrub/shrub lands. Found at elevations below 6,000'.	NE	Site and vicinity do not provide suitable habitat.
Wolverine (<i>Gulo gulo</i>)	C	T	Alpine regions with spring snowpack for denning.	NE	The site is at the valley bottom and does not provide the alpine habitat this species requires
Wayside Aster		T	A range of including dense coniferous forests, open deciduous woodlands, grassy balds, and exposed serpentine slopes. Most populations occur at elevations ranging from 150-450 m	NE	The site is lower in elevation than the general habitat range and was not observed during the field surveys conducted for this project.
White Topped Aster		T	Open, grassy, seasonally moist prairie and savannah habitats, at elevations ranging from about 30-380m	NE	This species was not observed during the field surveys conducted for this project.
Streaked Horned Lark (<i>Eremophila alpestris strigata</i>)	P		Open spaces of 300acres or more. Generally flat areas dominated by forbs and with little to no shrub or tree cover.	NE	The surrounding area is highly fragmented (e.g. I-5 is immediately to the west of the project site) and thus the area does not provide the contiguous habitat that this species requires.

Status Abbreviations: T = Threatened; E = Endangered; P = Proposed =; P = Proposed; C = Candidate
Effect Abbreviations: NE = No Effect; NLAA = Not Likely to Adversely Affect; LAA = Likely to Adversely Affect

5.0 MIGRATORY BIRDS

The USFWS *Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers* was consulted to assess potential impacts to migratory birds. The proposed tower is occurring in an area that already has a cluster of communication towers. The proposed tower will be less than 199' tall and will not have guy wires, both of which are hazards to migratory birds. Furthermore, the new tower will be large enough to accommodate future antenna collocations. In summary, the proposed project is not expected to have any substantial impacts on migratory birds. See Table 3 below for further details.

Table 3: Tower Siting Guidelines to Minimize Effects to Migratory Birds		
Site Question	Answer	Explanation
1) Is antenna collocation on an existing nearby tower feasible?	No	There are no towers nearby available for collocating.
2) Is the proposed tower >199' in height? If so, the minimum FAA requirements for lighting should be used. White strobe lights are preferred over red lights.	No	The proposed tower will be 140' tall.
3) Will the proposed tower require guy wires for support? If guy wires are used, daytime visual markers should be utilized on the wires.	No	The proposed structure is an unguyed monopole.
4) Are there cumulative impacts from the construction of multiple towers in a concentrated area?	No	ATC is proposing to build just one tower in the area.
5) Is the tower in or near a wetland or wildlife refuge?	Yes (wetland)	The project is located within a wetland as described above in Section 4. Permitting with ACOE and DSL has been completed and mitigation credits have been purchased. Additionally, the project area is currently mowed yearly, and does not provide standing water habitat such as marshes or ponds preferred by waterfowl. The wetland habitat now present is very low in quality, in contrast to the high quality habitat available at the Evergreen Mitigation Bank.
6) Has the project footprint been minimized to avoid habitat fragmentation?	Yes	The project lease area is approximately 1600 square feet.
7) Does the proposed tower have room to accommodate future antenna collocations?	Yes	The proposed tower has room for at least one other carrier.
8) Will security lights be downshilded?	Unknown	Recommended

6.0 CONCLUSIONS

In conclusion, it is Adapt's opinion that this project will have **no effect** upon any threatened or endangered species, Critical Habitat or migratory birds that may be located within, or in the vicinity of, the project site. In general, we do not believe that the host parcel contains any critical habitat for any of the threatened and endangered species considered.

7.0 REFERENCES

The following documents and websites were consulted in the preparation of the Biological Assessment:

- Meany, C.A., M. Reed-Eckert, and GP Beauvais. (21 August 2006). Kit Fox (*Vulpes macrotis*): a technical conservation assessment. [Online] USDA Forest Service, Rocky Mountain Region. Available: www.fs.fed.us/r2/projects/scp/assessments/kitfox.pdf (29 October 2012).
- Oregon State. Department of Agriculture, Plant Division, Plant Conservation. <http://www.oregon.gov/ODA/PLANT/CONSERVATION/pages/statelist.aspx>
- Oregon State. Department of Fish and Wildlife. Threatened, Endangered and Candidate Fish and Wildlife Species. [Online]. Available: http://www.dfw.state.or.us/wildlife/diversity/species/threatened_endangered_candidate_list.asp (29 October 2012)
- United States. Department of the Interior Fish and Wildlife Service. Communication Towers. [Online]. Available: <http://www.fws.gov/habitatconservation/communicationtowers.html> (29 October 2012)
- United States. Department of the Interior Fish and Wildlife Service. Oregon Office. County Endangered and Threatened Species. www.fws.gov/oregonfwo/Species/Lists/ (3 January 2013)
- United States. Department of the Interior Fish and Wildlife Service. Oregon Office. Fact Sheets and Species Information. www.fws.gov/oregonfwo/Species/default.asp#FactSheets (29 October 2012)

8.0 LIMITATIONS

The Biological Assessment has been prepared for the exclusive use of American Towers, LLC and their agents for specific application to the project site. Use or reliance upon this report by a third is at their own risk. Adapt does not make any representation or warranty, express or implied, to such other parties as to the accuracy or completeness of this report or the suitability of its use by such other parties for any purpose whatever, known or unknown, to Adapt.

Adapt appreciates the opportunity to be of service to you on this project. Should you have any questions concerning this report, or if we can assist you in any way, please contact us at (503) 892-2346.

Respectfully Submitted,

Adapt Engineering, Inc.



Lindsay Mico, M.Sc.

Senior Environmental Scientist

See Appendix N of the associated Environmental Assessment for the Preparer's Resume

Attachments:

Attachment A	Endangered and Threatened Species in Linn County
Attachment B	Critical Habitat Map

**ATTACHMENT A
BIOLOGICAL ASSESSMENT
ENDANGERED AND THREATENED SPECIES IN
LINN COUNTY**

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN LINN COUNTY, OREGON**

LISTED SPECIES

Birds

Northern spotted owl *Strix occidentalis caurina* CH T

Fish

Inland:

Oregon chub *Oregonichthys crameri* CH T

Bull trout *Salvelinus confluentus* CH T

Invertebrates

Insects:

Fender's blue butterfly *Icaricia icarioides fenderi* CH E

Plants

Golden paintbrush *Castilleja levisecta* T

Willamette daisy *Erigeron decumbens var. decumbens* CH E

Bradshaw's desert parsley *Lomatium bradshawii* E

Kincaid's lupine *Lupinus sulphureus ssp. kincaidii* CH T

Nelson's checker-mallow *Sidalcea nelsoniana* T

PROPOSED SPECIES

Birds

Streaked horned lark *Eremophila alpestris strigata* PCH PT

None

No Proposed Endangered Species PE

No Proposed Threatened Species PT

CANDIDATE SPECIES

Mammals

North American wolverine *Gulo gulo luscus*

Plants

Whitebark Pine *Pinus albicaulis*

SPECIES OF CONCERN

Mammals

White-footed vole *Arborimus albipes*

Silver-haired bat *Lasionycteris noctivagans*

Long-eared myotis bat *Myotis evotis*

Long-legged myotis bat *Myotis volans*

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN LINN COUNTY, OREGON**

Yuma myotis bat
Camas pocket gopher

Myotis yumanensis
Thomomys bulbivorus

Birds

Northern goshawk
Western burrowing owl
Black tern
Olive-sided flycatcher
Harlequin duck
Yellow-breasted chat
Acorn woodpecker
Lewis' woodpecker
Mountain quail
Band-tailed pigeon
Oregon vesper sparrow
Purple martin

Accipiter gentilis
Athene cunicularia hypugaea
Chlidonias niger
Contopus cooperi
Histrionicus histrionicus
Icteria virens
Melanerpes formicivorus
Melanerpes lewis
Oreortyx pictus
Patagioenas fasciata
Pooecetes gramineus affinis
Progne subis

Reptiles and Amphibians

Northern Pacific pond turtle
Coastal tailed frog
Oregon slender salamander
Northern red-legged frog
Foothill yellow-legged frog
Cascades frog

Actinemys marmorata marmorata
Ascaphus truei
Batrachoseps wrighti
Rana aurora aurora
Rana boylei
Rana cascadae

Fish

Malheur mottled sculpin
Pacific lamprey
Coastal cutthroat trout

Cottus bairdi ssp.
Lampetra tridentata
Oncorhynchus clarki ssp

Invertebrates

Insects:

Cascades apatanian caddisfly
Mt. Hood primitive brachycentrid caddisfly
Tombstone Prairie farulan caddisfly
Tombstone Prairie oligophlebodes caddisfly

Apatania tavala
Eobrachycentrus gelidae
Farula reaperi
Oligophlebodes mostbento

Clams:

California floater mussel

Anodonta californiensis

Plants

Pink sand-verbena
Howell's bentgrass
Bog anemone
Hell's Canyon rock-cress
Mountain grape fern
Cliff paintbrush
Cold-water corydalis
Willamette Valley larkspur
Wayside aster
Shaggy horkelia
Thin-leaved peavine
Whitetop aster

Abronia umbellata ssp. *breviflora*
Agrostis howellii
Anemone oregana var. *felix*
Arabis hastatula
Botrychium montanum
Castilleja rupicola
Corydalis aquae-gelidae
Delphinium oreganum
Eucephalus vialis
Horkelia congesta ssp. *congesta*
Lathyrus holochlorus
Sericocarpus rigidus

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN LINN COUNTY, OREGON**

DELISTED SPECIES

Birds

American Peregrine falcon
Bald eagle

Falco peregrinus anatum
Haliaeetus leucocephalus

Definitions:

Listed Species: An endangered species is one that is in danger of extinction throughout all or a significant portion of its range. A threatened species is one that is likely to become endangered in the foreseeable future.

Proposed Species: Taxa for which the Fish and Wildlife Service or National Marine Fisheries Service has published a proposal to list as endangered or threatened in the Federal Register.

Candidate Species: Taxa for which the Fish and Wildlife Service has sufficient biological information to support a proposal to list as endangered or threatened.

Species of Concern: Taxa whose conservation status is of concern to the U.S. Fish and Wildlife Service (many previously known as Category 2 candidates), but for which further information is still needed. Such species receive no legal protection and use of the term does not necessarily imply that a species will eventually be proposed for listing.

Delisted Species: A species that has been removed from the Federal list of endangered and threatened wildlife and plants.

Key:

E Endangered
T Threatened
CH Critical Habitat has been designated for this species
PE Proposed Endangered
PT Proposed Threatened
PCH Critical Habitat has been proposed for this species

Notes:

Marine & Anadromous Species: Please consult the National Marine Fisheries Service (NMFS) (<http://www.nmfs.noaa.gov/pr/species/>) for marine and anadromous species. The National Marine Fisheries Service (NMFS) manages mostly marine and anadromous species, while the U.S. Fish and Wildlife Service manages the remainder of the listed species, mostly terrestrial and freshwater species.

Marine Turtle Conservation and Management: All six species of sea turtles occurring in the U.S. are protected under the Endangered Species Act of 1973. In 1977, NOAA Fisheries and the U.S. Fish and Wildlife Service signed a Memorandum of Understanding to jointly administer the Endangered Species Act with respect to marine turtles. NOAA Fisheries has the lead responsibility for the conservation and recovery of sea turtles in the marine environment and the U.S. Fish and Wildlife Service has the lead for the conservation

**FEDERALLY LISTED, PROPOSED, CANDIDATE SPECIES
AND SPECIES OF CONCERN
UNDER THE JURISDICTION OF THE FISH AND WILDLIFE SERVICE
WHICH MAY OCCUR WITHIN LINN COUNTY, OREGON**

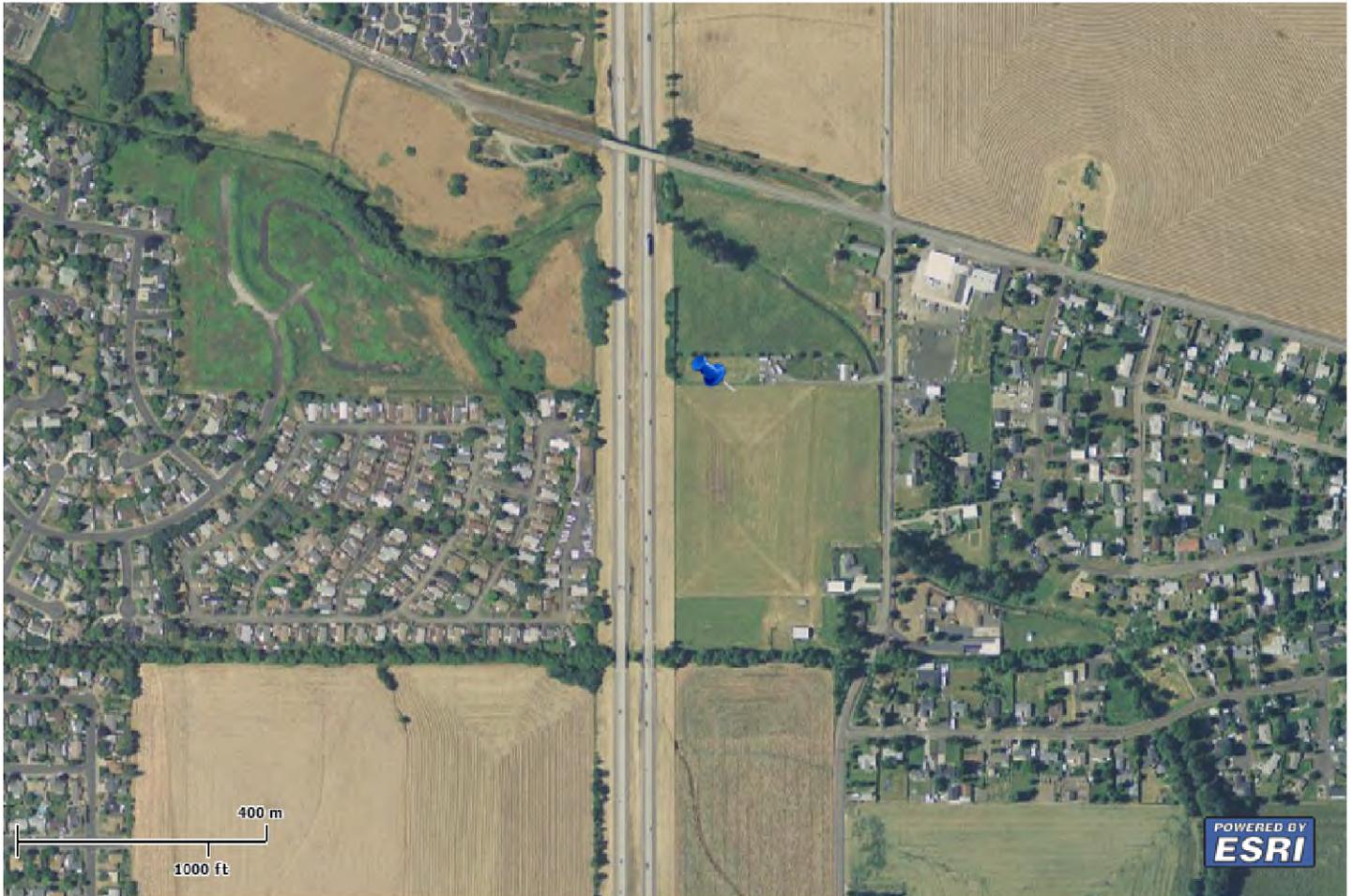
and recovery of sea turtles on nesting beaches. For more information, see the NOAA Fisheries webpage on sea turtles <http://www.nmfs.noaa.gov/pr/species/turtles/>.

Gray Wolf: In 2008, the Service published a final rule that established a distinct population segment of the gray wolf (*Canis lupis*) in the northern Rocky Mountains (which includes a portion of Eastern Oregon, east of the centerline of Highway 395 and Highway 78 north of Burns Junction and that portion of Oregon east of the centerline of Highway 95 south of Burns Junction). Any wolves found west of this line in Oregon belong to the conterminous USA population [see 73 FR 10514]. On May 5, 2011, the Fish and Wildlife Service published a final rule – as directed by legislative language in the Fiscal Year 2011 appropriations bill – reinstating the Service’s 2009 decision to delist biologically recovered gray wolf populations in the Northern Rocky Mountains. Gray wolves in Oregon are State-listed as endangered, regardless of location.

ATTACHMENT B
CRITICAL HABITAT MAP

Grand Prairie

Powered by ArcGIS Server



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APPENDIX E

**SHPO CORRESPONDENCE AND SECTION 106
INFORMATION**



Oregon

Theodore R. Kulungoski, Governor

Parks and Recreation Department
State Historic Preservation Office
725 Summer St NE, Ste C
Salem, OR 97301-1266
(503) 986-0671
Fax (503) 986-0793
www.oregonheritage.org

October 12, 2010

Ms. Beth Belanger
Adapt
10725 SW Barbur Blvd Ste 350
Portland, OR 97219



RE: SHPO Case No. 10-1874
Grand Prairie CO07 AT&T Mobility Telecom Site
11S 3W 16, . Linn

Dear Ms. Belanger:

We have reviewed the materials submitted on the project referenced above, and we concur with a determination of No Historic Properties Affected for this undertaking.

Our response here is to assist you with your responsibilities under Section 106 of the National Historic Preservation Act (per 36 CFR Part 800). Please feel free to contact me if you have further questions, comments or need additional assistance.

Sincerely,

Julie Osborne
Preservation Specialist
(503) 986-0661 or Julie.Osborne@state.or.us

As of August 2009, a redesigned form is available for Section 106 and ORS 358.653 projects. Find it on our updated and expanded Review and Compliance website: www.oregonheritage.org. Click on the "Review and Compliance" link.

Beth Belanger

From: Dave Pinyerd [pinyerd@hp-nw.com]
Sent: Tuesday, October 12, 2010 5:05 PM
To: Beth Belanger
Subject: Fwd: Section 106 Notification of SHPO/THPO Concurrence- Email ID #86871

X-IronPort-Anti-Spam-Result:
At4AANGFtEzAaDZplGdsb2JhbACBVYFKkDaNJ1YVAQEBAQcNCAkRBR2rSJJjgSKBcYFBdAQ
Date: Tue, 12 Oct 2010 19:00:16 -0400 (EDT)
From: towernotifyinfo@fcc.gov
To: pinyerd@hp-nw.com
Subject: Section 106 Notification of SHPO/THPO Concurrence- Email ID #86871
X-Mailer: ColdFusion MX Application Server
X-OriginalArrivalTime: 12 Oct 2010 23:00:16.0803 (UTC) FILETIME=[3C684730:01CB6A61]
X-Nonspam: None
X-Brightmail-Tracker: AAAAAhZCytIWQ5Cm
X-Brightmail-Tracker: AAAAAA==

This is to notify you that the Lead SHPO/THPO has concurred with the following filing:

Date of Action: 10/12/2010
Direct Effect: No Historic Properties in Area of Potential Effects (APE)
Visual Effect: No Historic Properties in Area of Potential Effects (APE)
Comment Text: Archaeology no effect letter was sent on 8-17-2010. No above-ground historic resources affected.

File Number: 0004350532
Purpose: New Tower Submission Packet
Notification Date: 7AM EST 08/12/2010
Applicant: AT&T Mobility
Consultant: Adapt Engineering, Inc.
Site Name: CO07 Grand Prairie
Site Address: 3626 Three Lakes Road
Site Coordinates: 44-36-31.6 N, 123-3-35.9 W
City: Albany
County: LINN
State: OR
Lead SHPO/THPO: Oregon State Historic Preservation Office

NOTICE OF FRAUDULENT USE OF SYSTEM, ABUSE OF PASSWORD AND RELATED MISUSE
Use of the Section 106 system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act and may contain information that is confidential, privileged or otherwise protected from disclosure under applicable laws. Any person having access to Section 106 information shall use it only for its intended purpose. Appropriate action will be taken with respect to any misuse of the system.



Oregon

John A. Kitzhaber, MD, Governor

Parks and Recreation Department

State Historic Preservation Office

725 Summer St NE, Ste C

Salem, OR 97301-1266

(503) 986-0671

Fax (503) 986-0793

www.oregonheritage.org

August 29, 2012

Ms. Beth Belanger

Adapt

10725 SW Barbur Blvd Ste 200

Portland, OR 97219

RE: SHPO Case No. 10-1874

Grand Prairie CO07 AT&T Mobility Telecom Site

CRS/140-ft monopole installation

Adapt/AT&T/FCC/Walton

11S 3W 16, , Linn County



Dear Ms. Belanger:

We have reviewed the materials submitted on the project referenced above, and we concur there will be no historic properties affected for this undertaking.

This letter refers to above-ground historic resources only. Comments pursuant to a review for archaeological resources, if applicable, will be sent separately.

This concludes the requirement for consultation with our office under Section 106 of the National Historic Preservation Act (per 36 CFR Part 800) for above-ground historic properties. Please feel free to contact me if you have any questions, comments or need additional assistance.

Sincerely,

Jason Allen, M.A.

Historic Preservation Specialist

(503) 986-0579

jason.allen@state.or.us



Oregon

Theodore R. Kulongoski, Governor

Parks and Recreation Department
State Historic Preservation Office
725 Summer St NE, Ste C
Salem, OR 97301-1266
(503) 986-0671
Fax (503) 986-0793
www.oregonheritage.org

8/17/2010

Ms. Beth Walton
Walton Enterprises
7425 Earlwood Rd
Newberg, OR 97132-7011

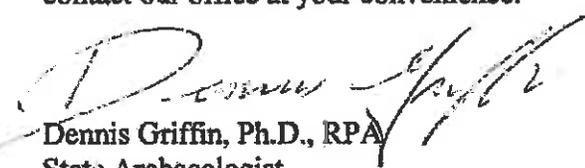


RE: SHPO Case No. 10-1874
Grand Prairie CO07 AT&T Mobility Telecom Site
11S 3W 16, Linn County

Dear Beth:

Our office recently received your report about the project referenced above. I have reviewed your report (SHPO# 23574) and agree that the project will have no affect on any known cultural resources. No further archaeological research is needed with this project.

Please be aware, however, that if during development activities you or your staff encounters any cultural material (i.e., historic or prehistoric), all activities should cease immediately and an archaeologist should be contacted to evaluate the discovery. Under state law (ORS 358.905-955) it is a Class B misdemeanor to impact an archaeological site on public or private land in Oregon. Impacts to Native American graves and cultural items are considered a Class C felony (ORS 97.740-760). If you have any questions regarding any future discovery or my letter, feel free to contact our office at your convenience.


Dennis Griffin, Ph.D., RPA
State Archaeologist
(503) 986-0674
dennis.griffin@state.or.us

Beth Belanger

From: Dennis Griffin [dennis.griffin@state.or.us]
Sent: Monday, November 08, 2010 8:20 AM
To: Beth Belanger
Subject: RE: FW: Section 106 Notification of SHPO/THPO Request for Information- Email ID #77288

Beth,

Our office is fine with the report that we received from Beth Walton. Nothing else is needed from your office.

\ Dennis /

Dennis Griffin, Ph.D., RPA
SHPO State Archaeologist
(503) 986-0674
(503) 986-0793, fax
dennis.griffin@state.or.us

>>> "Beth Belanger" <Beth.Belanger@adaptengr.com> 11/5/2010 3:45 PM >>>
Dr. Griffin,

The revised Pedestrian Survey for C007/Grand Prairie is attached and should be complete to your satisfaction. I believe Ms. Walton may have already submitted the revised report to you. Apparently, she submitted the original report to you in July or August and then received a concurrence letter (see attachment) on 8/17/10 from you. The SHPO Case No. on that letter is 10-1874. Do you require anything further from us?

Thank you,
Beth Belanger
Adapt Engineering, Inc.
503.892.2346.

-----Original Message-----

From: Dennis Griffin [<mailto:dennis.griffin@state.or.us>]
Sent: Wednesday, September 01, 2010 12:38 PM
To: Beth Belanger; Julie Osborne; Susan White
Subject: Re: FW: Section 106 Notification of SHPO/THPO Request for Information- Email ID #77288

Beth,

You sent us the report to was included in the application. However, the report lacked adequate maps and survey data for our office to complete my review. As stated in my review comments the map that your consultant included in the report does not depict the project area at all. No information on the test probes that were excavated are included in the report. What was there size, depth, UTM locations? The report leaves out many of the details that are needed in a cultural resource report. When you are able to get a complete report for this project be sure and send us a hard copy of the report. Our office does not accept electronic copies of reports for review.

Notification Date: 7AM EST 08/12/2010

New Tower ("NT") Submission Packet

See instructions for
public burden estimates

File Number: 0004350532

General Information

1) (Select only one) (NE) NE – New UA – Update of Application WD – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): 0003291192
4) Name: AT&T Mobility

Contact Name

5) First Name: Geri	6) MI:	7) Last Name: Roper	8) Suffix: Ms.
9) Title: Area Manager, Construction & Engineering			

Contact Information

10) P.O. Box:	And /Or	11) Street Address: 19801 SW 72nd Avenue #200	
12) City: Tualatin		13) State: OR	14) Zip Code: 97062
15) Telephone Number: (503)691-5019		16) Fax Number:	
17) E-mail Address: gr9977@att.com			

Consultant Information

18) FCC Registration Number (FRN): 0016991648
19) Name: Adapt Engineering, Inc.

Principal Investigator

20) First Name: Dave	21) MI:	22) Last Name: Pinyerd	23) Suffix: Mr.
24) Title: Historic Preservation Specialist			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 1116 11th Ave SW	
27) City: Albany		28) State: OR	29) Zip Code: 97321
30) Telephone Number: (541)791-9199		31) Fax Number:	
32) E-mail Address: pinyerd@hp-nw.com			

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	<input checked="" type="checkbox"/> <u>Y</u> es <input type="checkbox"/> <u>N</u> o
34) Areas of Professional Qualification: <input type="checkbox"/> Archaeologist <input checked="" type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	<input type="checkbox"/> <u>Y</u> es <input checked="" type="checkbox"/> <u>N</u> o
--	---

If "YES," complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: <input type="checkbox"/> Archaeologist <input type="checkbox"/> Architectural Historian <input type="checkbox"/> Historian <input type="checkbox"/> Architect <input type="checkbox"/> Other (Specify) _____			

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **64293**

Site Information

2) Site Name: **CO07 Grand Prairie**

3) Site Address: **3626 Three Lakes Road**

4) City: **Albany**

5) State: **OR**

6) Zip Code: **97322**

7) County/Borough/Parish: **LINN**

8) Nearest Crossroads: **I-5 & Grand Prairie Road SE**

9) NAD 83 Latitude (DD-MM-SS.S): **44-36-31.6**

() N or () S

10) NAD 83 Longitude (DD-MM-SS.S): **123-03-35.9**

() E or () W

Tower Information

11) Tower height above ground level (include top-mounted attachments such as lightning rods): 42.7 () Feet () Meters

12) Tower Type (Select One):

() Guyed lattice tower

() Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

13) Current Project Status (Select One):

() Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- No Historic Properties in Area of Potential Effects (APE)
- No Effect on Historic Properties in APE
- No Adverse Effect on Historic Properties in APE
- Adverse Effect on one or more Historic Properties in APE

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>64293</u> Number of Tribes/NHOs: <u>6</u>	
2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u>	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Burns Paiute Tribe, General Council

Contact Name

5) First Name: Barbara	6) MI:	7) Last Name: Sam	8) Suffix:
9) Title: Tribal Chair			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied _____
<input checked="" type="checkbox"/> No Reply <input type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Confederated Tribes of the Grand Ronde Community of Oregon

Contact Name

5) First Name: Don	6) MI:	7) Last Name: Day	8) Suffix:
9) Title: Cultural Resources Specialist			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied <u>06/04/2010</u>
<input type="checkbox"/> No Reply <input checked="" type="checkbox"/> Replied/No Interest <input type="checkbox"/> Replied/Have Interest <input type="checkbox"/> Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Yes</u> (<input type="checkbox"/>) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>64293</u> Number of Tribes/NHOs: <u>6</u>	
2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u>	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Confederated Tribes of the Warm Springs Reservation

Contact Name

5) First Name: Sally	6) MI:	7) Last Name: Bird	8) Suffix:
9) Title: Cultural Resource Mgr			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Fallon Paiute-Shoshone Tribe

Contact Name

5) First Name: Ray	6) MI:	7) Last Name: Stands	8) Suffix:
9) Title: Cultural Coordinator			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Yes</u> (<input type="checkbox"/>) <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>64293</u> Number of Tribes/NHOs: <u>6</u>	
2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u>	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Siletz Tribal Council

Contact Name

5) First Name: Delores	6) MI:	7) Last Name: Pigsley	8) Suffix:
9) Title: Chairman			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Yakama Nation

Contact Name

5) First Name: Johnson	6) MI:	7) Last Name: Meninick	8) Suffix:
9) Title: Cultural Resources Director			

Dates & Response

10) Date Contacted <u>06/03/2010</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
(<input type="checkbox"/>) Replied/No Interest	
(<input type="checkbox"/>) Replied/Have Interest	
(<input type="checkbox"/>) Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

Contact Information

8) P.O. Box:	And /Or	9) Street Address:		
10) City:		11) State:	12) Zip Code:	
13) Telephone Number:		14) Fax Number:		
15) E-mail Address:				
16) Preferred means of communication: () E-mail () Letter () Both				

Dates & Response

17) Date Contacted _____	18) Date Replied _____
() No Reply () Replied/No Interest () Replied/Have Interest () Replied/Other	

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	(<input type="checkbox"/>) <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
12) Is this property eligible for listing on the National Register? Source: _____	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o
13) Is this property a National Historic Landmark?	(<input type="checkbox"/>) <u>Y</u> es (<input type="checkbox"/>) <u>N</u> o

14) Direct Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): <input type="checkbox"/> No Effect on this Historic Property in APE <input type="checkbox"/> No Adverse Effect on this Historic Property in APE <input type="checkbox"/> Adverse Effect on this Historic Property in APE

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):

2) Name: **Linn County Historical Landmarks Commission**

Contact Name

3) First Name: **Robert**

4) MI:

5) Last Name: **Wheeldon**

6) Suffix: **Mr.**

7) Title:

Contact Information

8) P.O. Box: **100**

And
/Or

9) Street Address:

10) City: **Albany**

11) State: **OR**

12) Zip Code: **97321**

13) Telephone Number: **(541)967-3816**

14) Fax Number:

15) E-mail Address: **rwheeldon@co.linn.or.us**

16) Preferred means of communication:

() E-mail

() Letter

() Both

Dates & Response

17) Date Contacted **06/15/2010**

18) Date Replied _____

() No Reply

() Replied/No Interest

() Replied/Have Interest

() Replied/Other

Additional Information

19) Information on local government's role or interest (optional):

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	() <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
--	--

Consulting Party

2) FCC Registration Number (FRN):
3) Name:

Contact Name

4) First Name:	5) MI:	6) Last Name:	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address:		
11) City:		12) State:	13) Zip Code:	
14) Telephone Number:		15) Fax Number:		
16) E-mail Address:				
17) Preferred means of communication:				
() E-mail				
() Letter				
() Both				

Dates & Response

18) Date Contacted _____	19) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional):

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

Name: Oregon State Historic Preservation Office

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

Party Authorized to Sign

First Name: **Beth**

MI:

Last Name: **Belanger**

Suffix: **Ms.**

Signature: **Beth Belanger Ms.**

Date: **08/11/2010**

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Attachments :

Type	Description	Date Entered
Resumes/Vitae	Dave Pinyerd's Resume	08/11/2010
Area of Potential Effects	APE	08/11/2010
Maps	Maps	08/11/2010
Local Government Involvement	Linn County Historical Landmarks Commission Letter	08/11/2010
Public Involvement	Grand Prairie Public Notice	08/11/2010
Photographs	Section 106 Photos	08/11/2010
Tribal/NHO Involvement	2nd notice to non-responsive tribes&Fallon Paiute response	08/11/2010

The proposed project (Adapt #OR10-16434-NEPA) is to install a new 140-foot monopole at the southeast edge of Albany, Oregon, as shown in Figures 1 through 3. The monopole and communications equipment would be located within a 40'x40' fenced compound. Direct effects would be limited to the monopole foundation, equipment pad, and trenching to utilities.

A check of the Oregon Historic Sites Database for all resources in the area was performed on June 7, 2010, and no resources were found within the half-mile vicinity.

The Oregon SHPO requests a limited reconnaissance survey of the area to locate resources eligible for the National Register in addition to a check of the Oregon Historic Sites Database. A limited reconnaissance survey was therefore carried out by David Pinyerd, with the assistance of Bernadette Niederer, on June 8, 2010. The Area of Potential Effect (APE) to assess visual effects of the proposed monopole on historic resources was defined as a 0.5 mile radius circle (Figure 2). We drove the APE to seek out any additional historic resources eligible for the National Register and the extent of the proposed monopole's visibility. Sample views were photographed towards the proposed monopole from throughout the APE and the photo locations are plotted on Figure 4. The proposed monopole is shown in each photo (when it can be seen) with a red triangle pointing toward its top.

The monopole is proposed for a narrow lot of land between I-5 and Three Lakes Road. I-5 halves the APE north-south; Grand Prairie Road runs east-west through the north half of the APE. A 1960s subdivision stands to the east of the site, a mid-1970s subdivision and mobile home court to the west, and a large subdivision from the late 1990s stands in the northwest quadrant of the APE. Surrounding the subdivisions are cultivated fields containing almost exclusively grass seed. Periwinkle Creek meanders through the APE. The area is flat.

Map number: 0

Name: NO RESOURCES ELIGIBLE FOR THE NATIONAL REGISTER WERE FOUND

Street:

City State ZIP: Albany OR 97322

NR findings:

NO NATIONAL REGISTER LISTED RESOURCES AND/OR NATIONAL REGISTER-ELIGIBLE RESOURCES WOULD BE DIRECTLY AFFECTED BY THIS PROJECT.

Map number: 0

Name: NO RESOURCES ELIGIBLE FOR THE NATIONAL REGISTER WERE FOUND

Street:

City State ZIP: Albany OR 97322

NR findings:

Effect findings:

Effect:



View: From installation
Approx. distance: NA
Direction: north

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: From installation
Approx. distance: NA
Direction: east

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: From installation
Approx. distance: NA
Direction: south

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: From installation
Approx. distance: NA
Direction: west

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 1 (towards proposed installation)
Approx. distance: 264 ft.
Direction: west

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 2 (towards proposed installation)
Approx. distance: 634 ft.
Direction: west

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 3 (towards proposed installation)
Approx. distance: 3115 ft.
Direction: north

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 4 (towards proposed installation)
Approx. distance: 1954 ft.
Direction: northwest

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 5 (towards proposed installation)
Approx. distance: 1320 ft.
Direction: west

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 6 (towards proposed installation)
Approx. distance: 2482 ft.
Direction: west

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 7 (towards proposed installation)
Approx. distance: 2270 ft.
Direction: southwest

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 8 (towards proposed installation)
Approx. distance: 2218 ft.
Direction: southeast

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 9 (towards proposed installation)
Approx. distance: 2218 ft.
Direction: southeast

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm



View: 10 (towards proposed installation)
Approx. distance: 898 ft.
Direction: northeast

Photographer: Bernadette Niederer
Date recorded: 6/8/2010
Focal length: 7mm

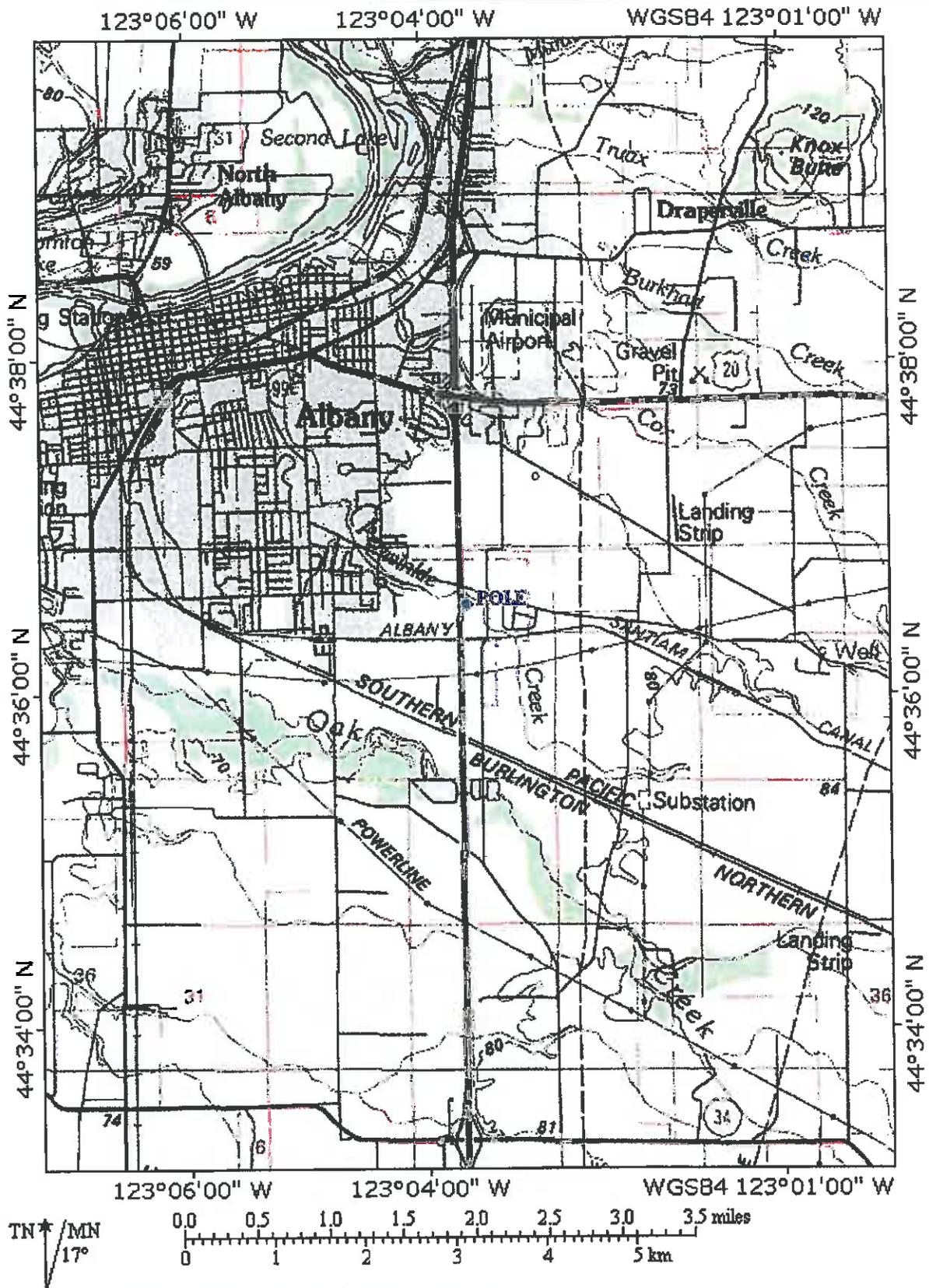


Figure 01. USGS map showing the location within the region of the proposed cellular monopole near Albany.

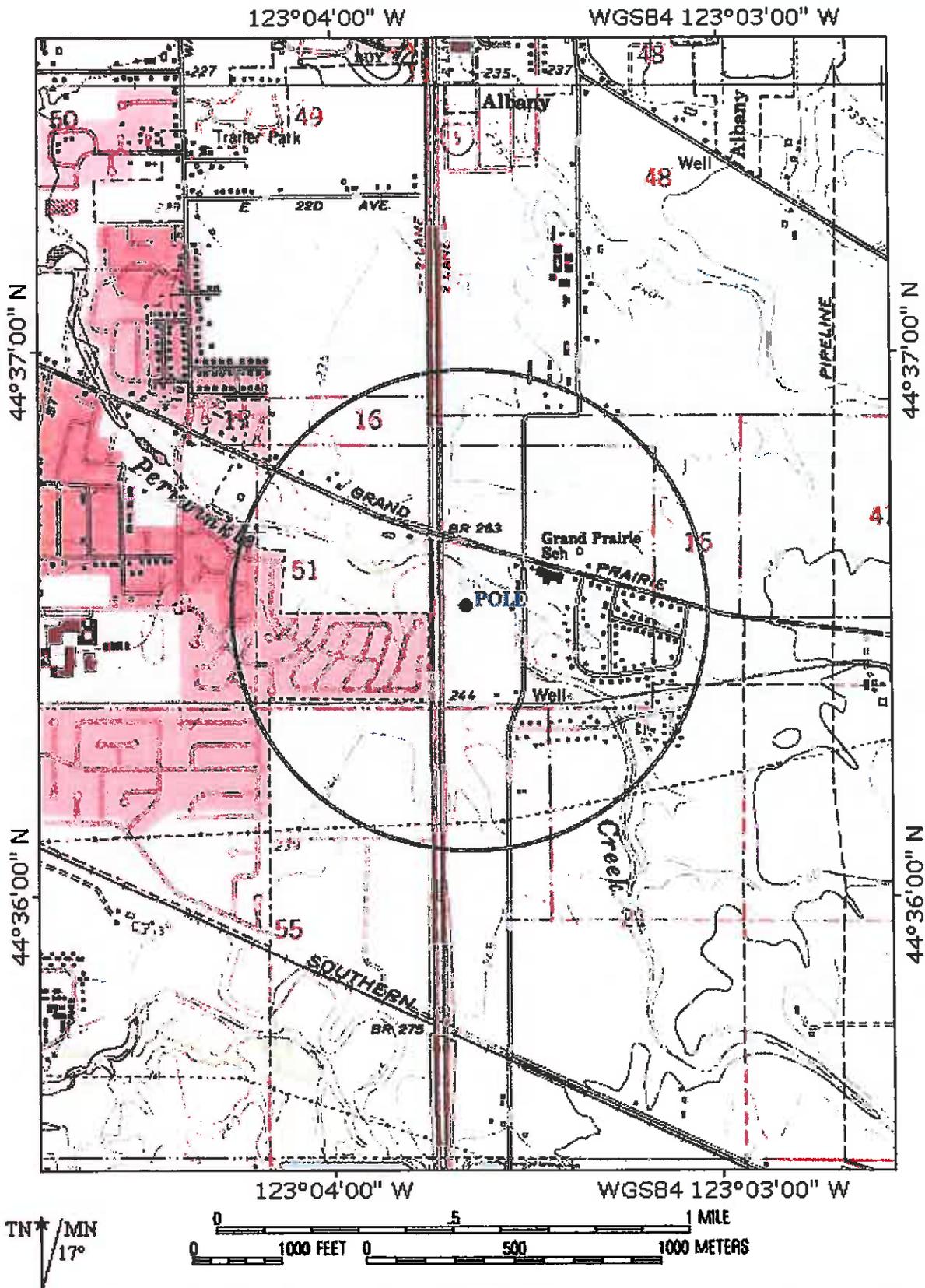


Figure 02. Tangent, OR 7.5 minute quad map (1986/1986) showing the standard 0.5 mile APE for the proposed cellular monopole near Albany.

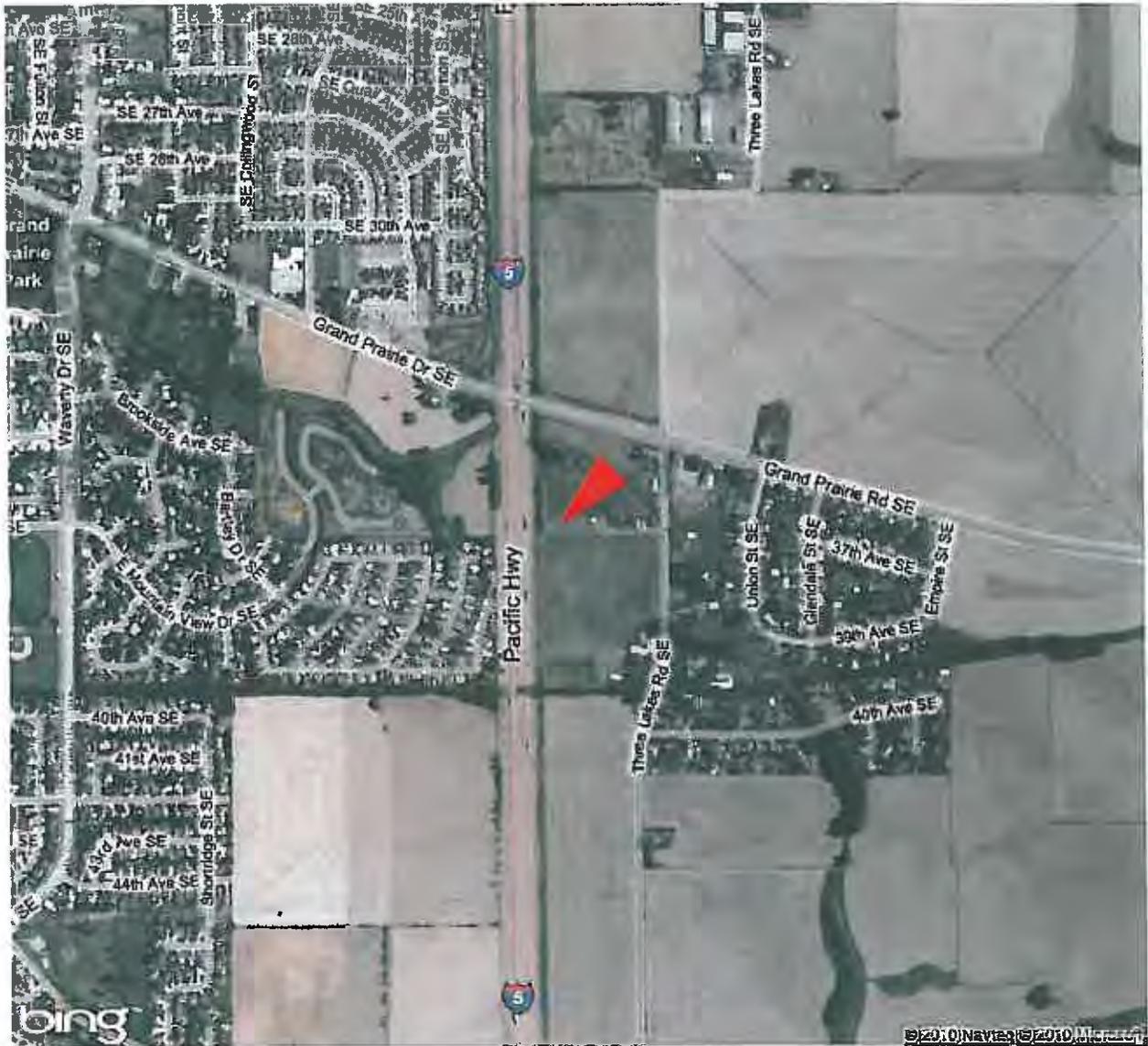


Figure 03. Current aerial of the immediate area around the proposed cellular monopole near Albany.

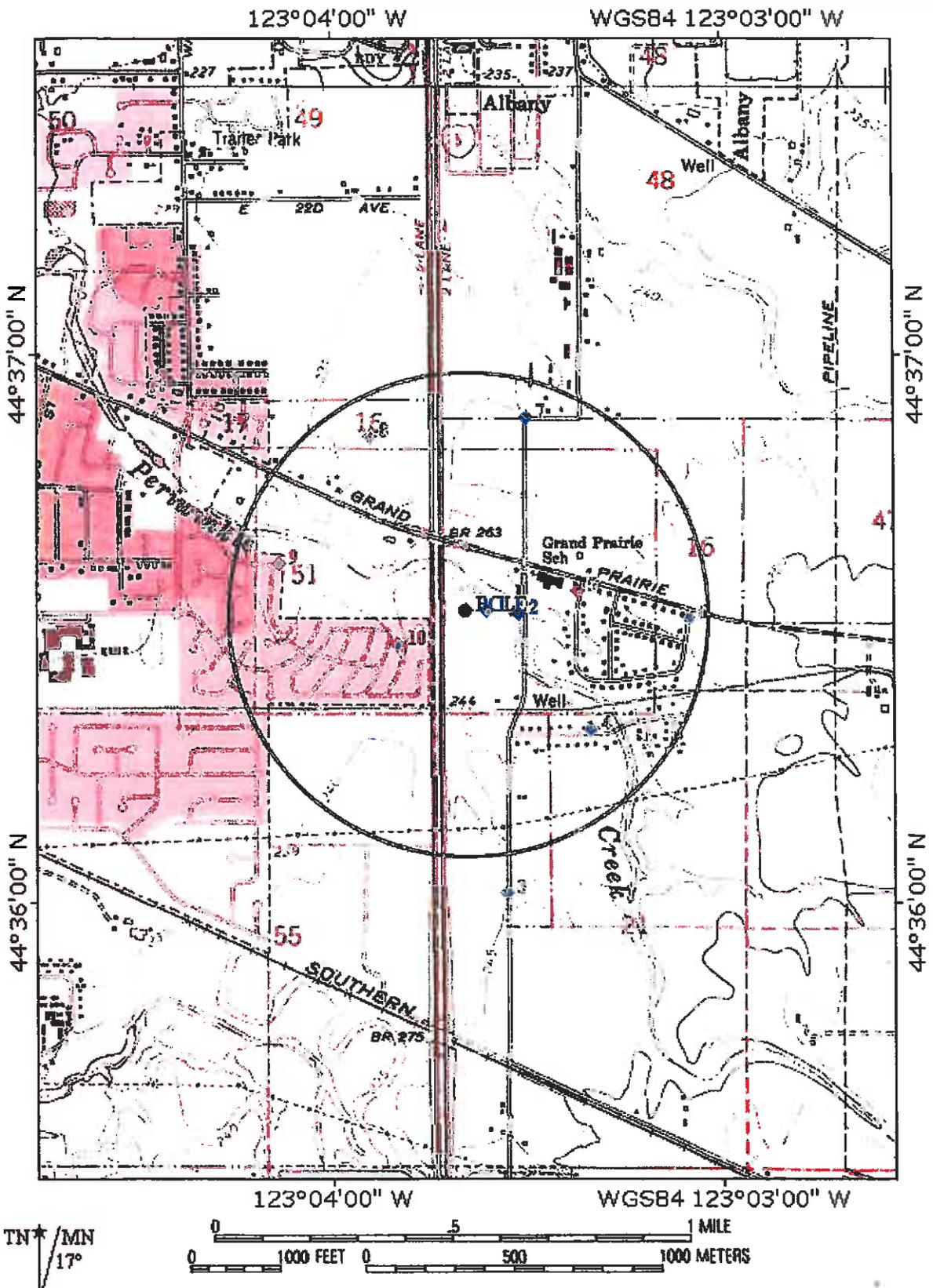


Figure 04. Tangent, OR 7.5 minute quad map showing the standard APE for the proposed cellular monopole near Albany with labels corresponding to sample views.

Project name: CO07 / Grand Prairie **Client:** Adapt Engineering
Adapt Project Number: **Carrier:** AT&T Mobility

Project type: Cell tower **Raw Land:** Yes X; No

Legal description: T 11S, R 3W, Sec. 16 **Meridian:** Willamette
Street address: 3626 Three Lakes Road
Ownership: Non-Federal public ___ **Private** X

Longitude: 123° 03' 35.9274" W **Latitude:** 44° 36' 31.68" N **Elevation:** 243 ft.

RECORDS SEARCH

Oregon State Historic Preservation Office

Date: 14 June 2010 **Search by:** B. Walton
Search of **Archaeological Records** within 1-mile radius of project.
 Historical Records within 1-mile radius of project.

Map(s): 7.5': Tangent, OR

Project Description: AT&T proposes to construct a 140' monopole at the site. The tower and 12' x 20' equipment shelter will be located in a 40' x 40' lease area. A 12' wide access road will be added from the tower to the existing gravel parking area in the middle of the parcel.

Area of Potential Effect (APE): 40' x 40' lease area plus 200' x 12' road 40'x40' turnaround and 270' x 5' utility easement along road.

Findings:

SHPO # 22154. "Archaeological Baseline Survey Report for the Interstate-5 Bridges Vertical Clearance Improvements Project, Marion, Linn, and Lane Counties, Oregon (Key Numbers: 15234, 15235, and 15236.)" Brian G. Buchanan, and Judith A. Chapman. 8 May 2008. Archaeological Investigations Northwest Report No. 2119.

No cultural resources reported in survey.

SHPO # 22155. "Archaeological Shovel Testing for the Interstate-5 Bridges Vertical Clearance Improvements Project, Marion, Linn, and Lane Counties, Oregon (Key Numbers: 15234, 15235, and 15236.)" Brian G. Buchanan and Judith A. Chapman. 28 August 2008. Archaeological Investigations Northwest Report No. 2194.

No cultural resources reported in testing.

SHPO 22690. "Archeological Survey of the Santiam-Albany Canal, SE 40th Avenue Bank Repair Project, City of Albany, Linn Co., Oregon." Amy E. Foutch and John L. Fagan. 5 August 2008. Archaeological Investigations Northwest Report No. 2371.

No cultural resources reported in survey.

SHPO 22079. "Cultural Resource Survey of Selected Reaches of the Santiam-Albany Canal, City of Albany, Linn Co., Oregon. FERC Project No. 11509-000-OR." Kelsey W. Buchanan, Kendra Carlisle, and John L. Fagan. 8 April 2008. Archaeological Investigations Northwest Report No. 2062.

No cultural resources reported in survey.

SHPO # 19499. "Archaeological Survey of Bridge 08226 N/S (Interstate 5 over Oak Creek at Milepost 230.83), Lane County, Oregon." E. H. Winterhoff and Montana A. Long. 31 January 2005. University of Oregon Research Report No. 2005-21.

No cultural resources reported in survey.

SHPO # 19407. "Bridge 08227 N&S - Oak Creek Highway 1 NB, Linn County, Oregon." E.H. Winterhoff and Bruce Dahlstrom. 22 November 2004. University of Oregon.

One obsidian flake reported in test probe beyond one mile from APE.

Field survey needed: No Yes

Rationale: SHPO requested survey of this raw land.

Conclusions: Given results of earlier surveys, no significant archaeological materials are likely to be found. Final conclusions pending results of field survey.



Beth Walton, RPA

Date: 15 June 2010

Findings: (-)
County: Linn
T / R / Section: T11S, R3W, Sec.16
USGS Quad(s)/Date: Talent
Project Type: Cell Tower
Project Acres: < 1
Acres Surveyed: <1
New: Prehistoric 0 Historic 0 Isolate 0
Archaeological Permit No: N/A
Field Notes Location: Walton Enterprises
Curation Location: no collection
Accession Number: none

Title: Grand Prairie CO07
Author(s): Beth Walton
District/Contractor: Walton Enterprises
Agency/Client: Adapt Engineering/AT&T Mobility
Date: July 23, 2010

IDENTIFICATION AND LOCATION:

Project name: CO07 / Grand Prairie
Carrier: AT&T Mobility
Project type: Cell tower **Raw Land:** Yes **Ownership:** Private

Street address: 3626 Three Lakes Road; Albany, OR
Legal description: T 11S, R 3W, Sec. 16 **Meridian:** Willamette
Longitude: 123° 03' 35.9274" W **Latitude:** 44° 36' 31.68" N **Elevation:** 243 ft.
GPS on site: 123° 03' 39.086 " 44° 36' 31.637 242 ft
UTM: Z 10 E 495171 N 4939495
Map(s): 7.5': Tangent, OR

PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECT (APE):

AT&T proposes to construct a 140' (42.7m) monopole at the site. The tower and 12' x 20' (3.66 x 6.1m) equipment shelter will be located in a 40' x 40' (12.2 x 12.2m) lease area. A 12' (3.66m) wide access road will be added from the tower to the existing gravel parking area in the middle of the parcel. The Area of Potential Effect (APE) is a 40' x 40' (12.2 x 12.2m) lease area plus 200' x 12' (61 x 3.66m) road, 40'x40' (12.2 x 12.2m) turnaround, and 270' x 5' (82.35 x 1.525m) utility easement along road.

OREGON STATE HISTORIC PRESERVATION OFFICE (SHPO) RECORDS SEARCH: 14 June 2010.**SHPO Search Findings:**

Of six surveys reported within one mile of APE, only one obsidian flake was found and that beyond one mile from this project and in association with a road and bridge.

FIELD SURVEY:

SHPO requested that a survey be done for this parcel.

Date: 20 July 2010

Surveyors: Beth Walton, RPA and Cheryl McCaffrey, Assistant

RESEARCH DESIGN:

Conduct pedestrian survey of APE for presence or absence of cultural materials. Place test probe(s), if less than 60% ground surface is visible, within the likeliest 10m x 10m (32.81 x 32.81') area.

ENVIRONMENT:

The APE was flagged showing access road and corners of the lease area. The site is flat and covered densely with pasture grasses, clover, and cat's ear. Less than one percent of the undisturbed ground surface was visible. There were six flagged soil pits from prior soil survey. They were within approximately 6.5 ft. (2m) of the boundaries of the access road or lease area. Within the boundaries of the lease area there was an area approximately 5 ft. (1.5m) square with exposed soil from tire tracks and back-dirt of a prior examination using large equipment.

An existing access road to a graveled parking and storage area lies between the proposed access road and lease area and Three Lakes Road. This existing access road will be used to access the proposed road and lease area.

FIELD METHODS:

Pedestrian Survey: The entire access road and lease area were surveyed in a random manner with approximately 6 ft. (2m) view to each side of the transect path. Both surveyors independently walked the proposed access road and criss-crossed the lease area. Ms. Walton also walked two transects of the proposed turnaround area. All areas with surface exposure were carefully examined.

Test Probes: Number: 2 Depth: 11.8–12.6 in. (30-32cm) Diameter: 11.8 in. (30cm)

One of the previously dug holes in the access road (FES SP-1) and one approximately 5 ft. (1.5m) east of the eastern north-south line of lease area (FES SP-3) were re-dug to 11.8–12.6 in. (30-32cm). The material was sifted through ¼" and 1/8" screen mesh. Probe holes were refilled with backdirt.

Opportunistic Examination of four holes from prior (non-cultural) probes: Trowel examinations of backdirt from each of the remaining four previously dug holes.

Interview with owner: Aaron Sadowski, parcel owner for the last seven years stated that he built the existing access road and gravel area for his construction equipment. He has not observed any cultural material on this land. He is not aware of a grazing history on this land. He mows the area occasionally for aesthetics.

FINDINGS:

Pedestrian Survey: Due to the dense ground cover, only live plants and grass clippings were observed in the general pedestrian survey. Examination of the ground surface on soil exposed by previous examinations of the project site showed no cultural material. The largest and deepest pile of soil appeared to be dominantly clay with only three pieces of intrusive "rock" (gravel) similar to that in the graveled access road, and smaller than approximately 1.18 in. x 1.18 in. x .39 in. (3cm x 3cm x 1cm) (probably in the "3/4-" class of gravel.

Test Probes: The soil in both test probes was a uniform, medium brown, silty-clay soil. No rock was found in ¼ inch or 1/8 inch sieves or by hand sifting of the material finer than 1/8 inch. The soil in the test probe nearest the lease area (FES SP-3) had some small, light grey intrusions that broke immediately to finger pressure.

Opportunistic Examination of four holes from prior (non-cultural) probes (FES SP-2, 4, 5, 6): The soil in each of these holes is the same as described in the sifted probes and all lacked rock. The hole flagged as FES SP-5, located approximately 6.5 ft. (2m) west of the SW lease corner, had a higher amount of clay than was evident in the other holes.

DISCUSSION:

The random pedestrian surveys yielded no information due to the density of grass cover. Careful examination of the ground surface from prior, non-cultural examinations of the area yielded only three non-cultural pieces of gravel. Examinations of soil in two probes to a depth of approximately 1 ft. (30cm) and of backdirt in four other holes yielded no rock or other cultural materials.

CONCLUSION:

After field examination, literature search, and interview with the owner, I conclude that there is no evidence of cultural material (historic or pre-historic) on the surface or in subsurface probes. Therefore, no significant archaeological sites will be affected by this project.

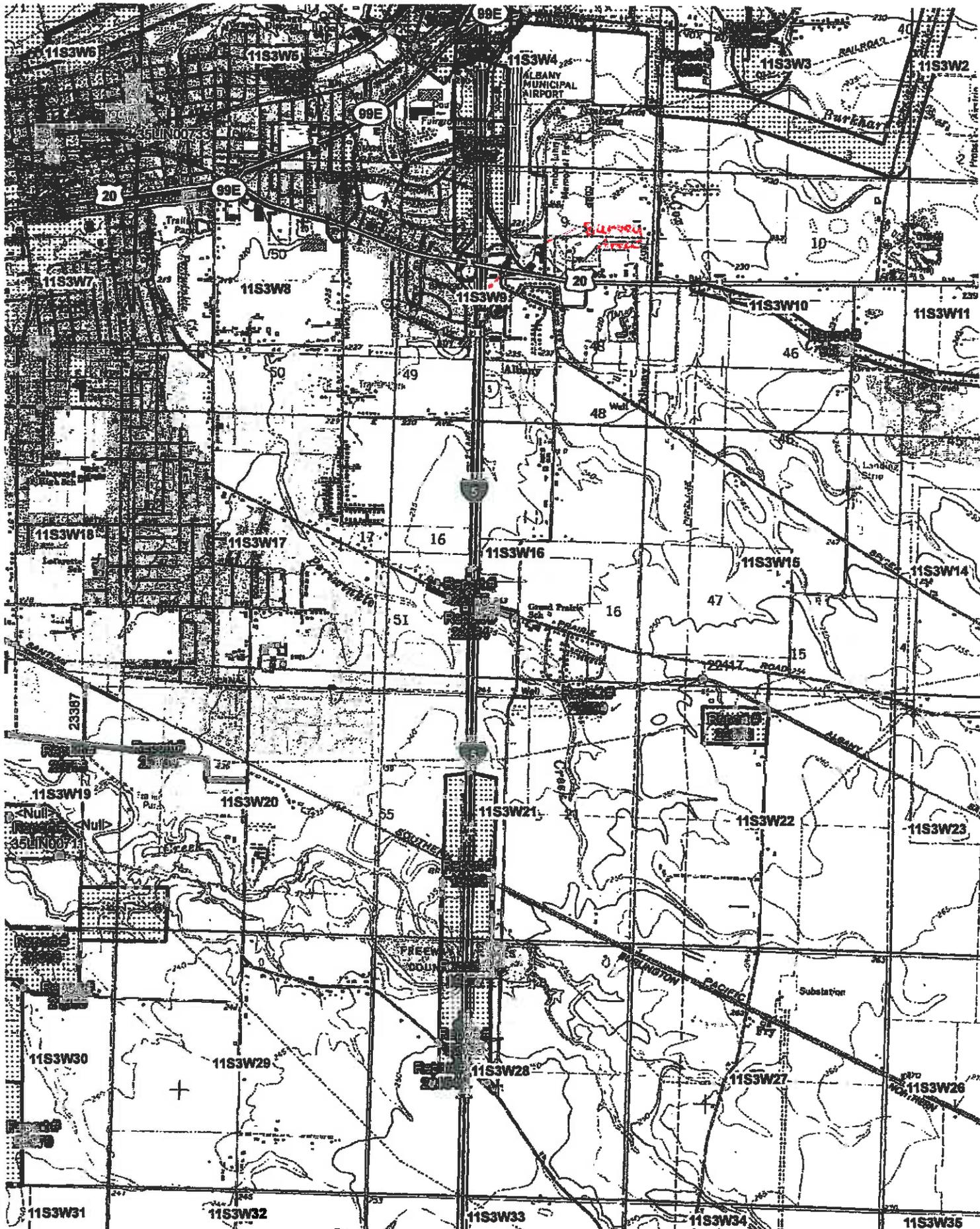


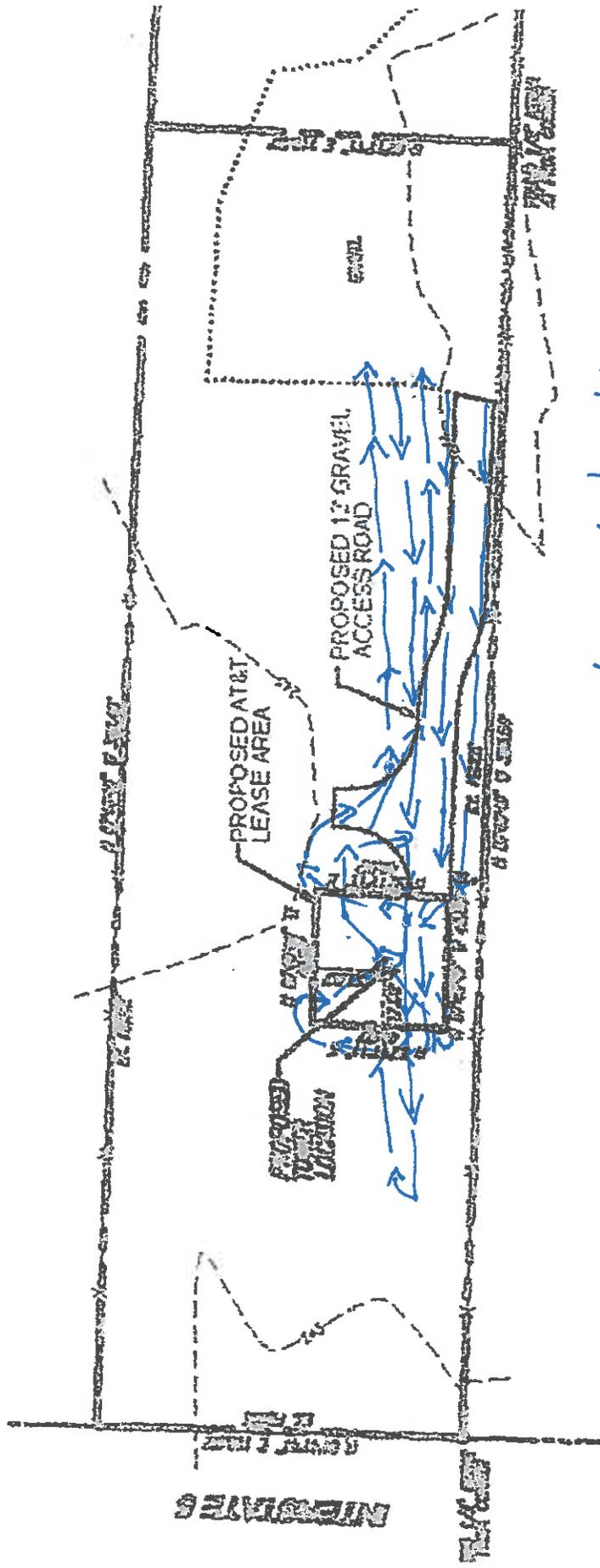
Beth Walton, RPA

Date: 24 July 2010

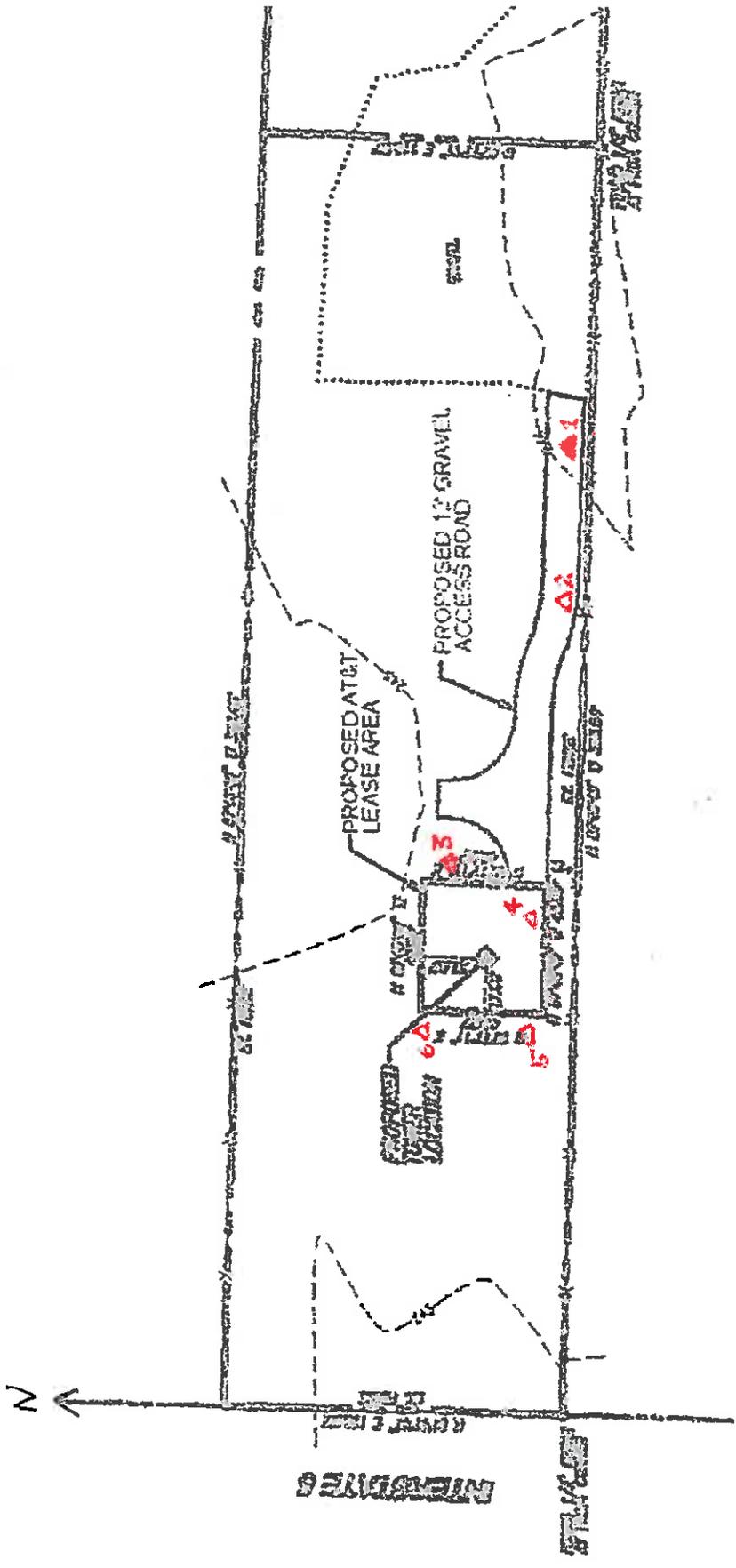
Attachments:

Maps: U.S.G.S topo map (Tangent, OR)
Sketch of transects
Test probe locations
Photographs: 2 (one page)





← transect direction



▲ PMS SP
 ▲ sifted



Photograph 1: View to E across red-staked lease area. Proposed access road includes gravel pile and extends to fence on right. Test probe at FES SP-3 in progress. White flags are at FES SP-x soil survey holes.



Photograph 2. View to W across test probe at FES SP-1 and field equipment in proposed access road. Lease area in distance at red stakes.



ADAPT Engineering, Inc.
10725 SW Barbur Boulevard, Suite 350
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

June 15, 2010

Mr. Robert Wheeldon
Linn County Historical Landmarks Commission
PO Box 100
Albany, OR 97321

Subject: Telecommunications Tower Construction

Dear Mr. Wheeldon:

The Oregon State Historical Preservation Office (SHPO) has requested that we contact the local preservation commission for any project that requires a Section 106 Review.

We are contacting you on behalf of our client, AT&T Mobility, which has proposed to construct a 140-foot monopole within a 40ft x 40ft fenced lease area at 3626 Three Lakes Road SE, Albany, OR 97322. The location coordinates are: 44° 36' 31.54" N & - 123° 03' 39.13".

A location map and a site plan are included with this letter. The Section 106 Review has been completed and submitted to SHPO. The project will have no adverse effect on any historic resources. Please let me know if you would like to see a copy of the report.

With this letter, Adapt Engineering, Inc. (Adapt) respectfully invites the Linn County Historical Landmarks Commission to comment further on the proposed project.

Please do not hesitate to contact me by telephone at 503-892-2346 or by email at beth.belanger@adaptengr.com if you have any further questions.

Sincerely,

Beth Belanger
Environmental Assessor



ADAPT Engineering, Inc.
10725 SW Barbur Boulevard, Suite 200
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

August 15, 2012

**Monteith Historic Society
PO Box 965
Albany OR 97321**

Subject: Telecommunications Tower Construction

To whom it may concern:

The Oregon State Historical Preservation Office (SHPO) has requested that we contact the local preservation groups for any project that requires a Section 106 Review.

We are contacting you on behalf of our client, American Towers LLS, which has proposed to construct a 140-foot monopole within a 40ft x 40ft fenced lease area at 3626 Three Lakes Road SE, Albany, OR 97322. The location coordinates are: 44° 36' 31.54" N & -123° 03' 39.13".

A location map is included with this letter. The Section 106 Review has been completed and submitted to SHPO. The project will have no adverse effect on any historic resources. Please let me know if you would like to see a copy of the report.

With this letter, Adapt Engineering, Inc. (Adapt) respectfully invites you to comment further on the proposed project within 15 days of the above date.

Please do not hesitate to contact me by telephone at 503-892-2346 or by email at Lindsay.mico@adaptengr.com if you have any further questions.

Sincerely,

**Lindsay Mico
Senior Environmental Scientist**

APPENDIX F
PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

American Towers LLC is proposing to construct a 140' monopole telecommunications tower at 3626 Three Lakes Road, Albany, OR 97322-7236, T11S, R3W, S 16, Tax lot 1801. The new tower structure will not require lighting and the tower facility will include a 40' X 40' lease area and associated easements, along with a 30 ft buffer surrounding the lease area. American Towers LLC seeks comments from all interested persons on any potential significant impact the proposed action could have on the quality of the human environment pursuant to 47 C.F.R. Section 1.1307, including potential impacts to historic or cultural resources that are listed or eligible for listing in the National Register of Historic Places.

Interested persons may review the project application pending with the Federal Communications Commission (FCC) at www.fcc.gov/asr/applications by entering Form 854 File No. A0785070. Interested persons may comment or raise environmental impact concerns about the proposed action by filing a Request for Environmental Review with the FCC. The FCC strongly encourages all interested parties to make such filings online, following the instructions found at www.fcc.gov/asr/environmentalrequest. Paper filings can be sent to: FCC Requests for Environmental Review, Attn: Ramon Williams, 445 12th Street SW, Washington, DC 20554. The Request must also be sent to American Towers LLC, by e-mailing a copy to enviro.services@americantower.com or mailing a copy to: American Tower, 10 Presidential Way, Woburn, MA 01801 ATTN: Environmental Compliance. Requests or comments should be limited to environmental and historical/cultural resource impact concerns, and must be received within 30 days of the first publication of this notice. This invitation to comment is separate from any local planning/zoning process that may apply to this project.

#3255081

PUBLISH: 09/13, 09/20/2012

State of Oregon

SS)

County of Linn

I, Pam M. Burrigh, being first duly sworn deposes and says, that I am the Legal Clerk of the Democrat-Herald, a newspaper of general circulation, as defined by section 193.010 O.R.S., published at 600 Lyon St S, Albany, OR, in the aforesaid county and state: that the advertisement number 3255081, for the account number 60019642 described as Grand Prairie, a copy is hereto Annexed, was published in the entire issue of sold newspaper.

Start Date: 09-13-12

Stop Date: 09-14-12

Insertions: 2

Pam Burrigh

Cyndi R. Sprinkel-Hart

Subscribed and sworn to before me on **Monday, Oct 08, 2012.**

-1 co



AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

A 140-foot FCC licensed wireless communication tower is to be installed at 3626 Three Lakes Rd. SE, Albany, Linn County, Oregon. The FCC is seeking public comment on the proposed project as part of the review process by the Oregon State Historic Preservation Office. Please respond within 30 days of this publication to: Adapt Engineering Inc., 10725 SW Barbur Blvd., Suite 350, Portland, OR 97219 Attn: CO07 #3020901

PUBLISH: 06/19/10

State of Oregon

ss)

County of Linn

I, Pam M. Burright, being first duly sworn deposes and says, that I am the Legal Clerk of the Democrat-Herald, a newspaper of general circulation, as defined by section 193.010 O.R.S., published at Albany, OR, in the aforesaid county and state: that the advertisement number 3020901, for the account number 60019642 described as Grand Prairie, a copy is hereto Annexed, was published in the entire issue of sold newspaper.

Start Date: 06-19-10

Stop Date: 06-19-10

Insertions: 1

Pam Burright

Cyndi R. Sprinkel-Hart

Subscribed and sworn to before me on **Tuesday, Jun 22, 2010.**

-1 co



APPENDIX G
TRIBAL CONSULTATION

Beth Belanger

From: towernotifyinfo@fcc.gov
Sent: Friday, June 04, 2010 12:01 AM
To: Beth Belanger
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #2501650

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Cultural Coordinator Ray Stands - Fallon Paiute-Shoshone Tribe - Fallon, NV - electronic mail and regular mail
Details: The Fallon Paiute Shoshone Tribe requires the information listed below for all proposed projects (including collocations). Please note that we require at least three pages of information for each submittal.

Page one - Please provide us with your project number, the TCNS number for the proposed project (this is very important), the site address, the site locus (topographic quadrangle), the subject property, a property description, and let us know whether or not there will be any ground disturbance. If there will be ground disturbance, please explain the extent of the disturbance. Please also provide any additional information that you may have regarding

this proposed project (any available archaeological reports, for example), and please provide us with your contact information.

Page two - Please provide us with figures, drawings, and maps of the proposed project and proposed location of the project.

Page three - Please provide us with any photographs of the proposed site, and let us know the direction from which each photograph was taken (taken from the north, south, east or west, looking up or looking down, etc.).

Please send this information in paper copy to: Ray Stands, Cultural Coordinator, Fallon Paiute Shoshone Tribe, 565 Rio Vista Drive, Fallon, Nevada 89406.

Thank you!
Ray Stands, Cultural Coordinator
(775) 423-8065, x228 (Pacific Time)

2. Cultural Resources Specialist Don Day - Confederated Tribes of the Grand Ronde Community of Oregon - Grand Ronde, OR - electronic mail and regular mail

Details: For every proposed location, the Confederated Tribes of the Grand Ronde Community of Oregon requires the township, range and section numbers. Please send this information via regular mail to the attention of Don Day, Cultural Resource Specialist at: 9615 Grand Ronde Road, Grand Ronde, Oregon 97347. Please include the TCNS number in your correspondence. Thank you.

3. Chairman Delores Pigsley - Siletz Tribal Council - Siletz, OR - regular mail

4. Tribal Chair Barbara Sam - Burns Paiute Tribe, General Council - Burns, OR - regular mail
Details: If the Applicant/tower constructor receives no response from the Burns Paiute Tribe, General Council within 30 days after notification through TCNS, the Burns Paiute Tribe, General Council has no interest in participating in pre-construction review for the proposed site. The Applicant/tower constructor, however, must notify the Burns Paiute Tribe, General Council in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

5. Cultural Resource Mgr Sally Bird - Confederated Tribes of the Warm Springs Reservation - Warm Springs, OR - electronic mail and regular mail

6. Cultural Resources Director Johnson Meninick - Yakama Nation - Toppenish, WA - electronic mail and regular mail
Details: If the Applicant/tower builder receives no response from the Yakama Nation within 30 days after notification through TCNS, the Yakama Nation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must IMMEDIATELY notify the Yakama Nation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

7. SHPO Ronald James - Historic Preservation Office - Carson City, NV - regular mail

8. Historian Ian P Johnson - Oregon State Historic Preservation Office - Salem, OR - regular mail

9. Deputy SHPO James Hamrick - Oregon Parks & Recreation Department - Salem, OR - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 06/01/2010

Notification ID: 64293

Tower Owner Individual or Entity Name: AT&T Mobility

Consultant Name: Beth A Belanger Ms
Street Address: 10725 SW Barbur Blvd
Ste. 350

City: Portland
State: OREGON
Zip Code: 97219
Phone: 503-892-2346
Email: beth.belanger@adaptengr.com

Structure Type: POLE - Any type of Pole
Latitude: 44 deg 36 min 31.6 sec N
Longitude: 123 deg 3 min 35.9 sec W
Location Description: 3626 Three Lakes Road
City: Albany
State: OREGON
County: LINN
Ground Elevation: 89.3 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 42.7 meters above ground level
Overall Height AMSL: 132.0 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission

Beth Belanger

From: lowernotifyinfo@fcc.gov
Sent: Friday, June 04, 2010 11:37 AM
To: Beth Belanger
Cc: tcns.fccarchive@fcc.gov; don.day@grandronde.org
Subject: Reply to Proposed Tower Structure (Notification ID: 64293) - Email ID #2503435

Dear Beth A Belanger Ms,

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this email is to inform you that an authorized user of the TCNS has replied to a proposed tower construction notification that you had submitted through the TCNS.

The following message has been sent to you from Cultural Resources Specialist Don Day of the Confederated Tribes of the Grand Ronde Community of Oregon in reference to Notification ID #64293:

We have no interest in this site. However, if the Applicant discovers archaeological remains or resources during construction, the Applicant should immediately stop construction and notify the appropriate Federal Agency and the Tribe.

For your convenience, the information you submitted for this notification is detailed below.

Notification Received: 06/01/2010
Notification ID: 64293
Tower Owner Individual or Entity Name: AT&T Mobility
Consultant Name: Beth A Belanger Ms
Street Address: 10725 SW Barbur Blvd
Ste. 350
City: Portland
State: OREGON
Zip Code: 97219
Phone: 503-892-2346
Email: beth.belanger@adaptengr.com

Structure Type: POLE - Any type of Pole
Latitude: 44 deg 36 min 31.6 sec N
Longitude: 123 deg 3 min 35.9 sec W
Location Description: 3626 Three Lakes Road
City: Albany
State: OREGON
County: LINN
Ground Elevation: 89.3 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 42.7 meters above ground level
Overall Height AMSL: 132.0 meters above mean sea level



Adapt Engineering Inc.
10725 SW Barbur Boulevard, Suite 350
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

July 7, 2010

Ray Stands
Fallon Paiute-Shoshone Tribe
565 Rio Vista Drive
Fallon, NV 89406

Subject: Tower Construction Notice for NEPA Checklist
CO07 Grand Prairie
3626 Three Lakes Road
Albany, OR 97322-7236
TCNS #64293

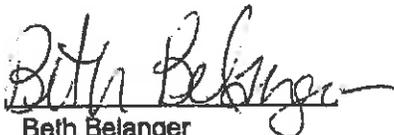
Dear Mr. Stands:

We are contacting you on behalf of our client, AT&T Mobility, which has proposed to construct a 140-foot monopole. The project location is at 3626 Three Lakes Road, Linn County, Oregon, which is within the historical territorial range of the Fallon Paiute-Shoshone Tribe.

Adapt and AT&T would like to ensure that any and all possible impacts on cultural resources from this project are considered. If you are interested in this site, please contact me within 10 days of receiving this letter. A site information form and an associated map are included with this letter. Please check the appropriate box indicating interest or non-interest and return it in the stamped envelope provided.

Please do not hesitate to contact me by telephone at 503-892-2346 or by email at Beth.Belanger@adaptengr.com, if you have any questions.

Sincerely,


Beth Belanger
Environmental Assessor

Enclosure



Fallon Paiute-Shoshone Tribe

July 19, 2010

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Beth Belanger
Environmental Assessor
Adapt Engineering Inc.
10725 SW Barbur Boulevard, Suite 350
Portland, Oregon 97219

RE: TCNS: 63634, 63308, 64293, 63481

Dear Ms. Belanger:

I have reviewed the documentation provided to the Fallon Paiute-Shoshone Tribe regarding the above project, and at this time the Fallon Paiute-Shoshone Tribe does not have an immediate concern with the projects as proposed. In the event that an advertent discovery is made, we request that the Fallon Paiute-Shoshone Tribe OR the Tribe in the closest proximity be contacted IMMEDIATELY, and that all work CEASE until Tribal clearance is given. In the event that another Tribe is contacted, we request immediate written notification of such action.

I appreciate your assistance with these projects, and please feel free to contact me at (775) 423-8065 ext.228 or culturalcoordinator@fpst.org if you have any further questions or require additional information.

Sincerely,

Ray Stands
Cultural Coordinator
Fallon Paiute Shoshone Tribe

Cultural Department

565 Rio Vista Drive • Fallon, NV 89406 • Tel 775-423-8065 • Fax 775-423-8067



Adapt Engineering Inc.
10725 SW Barbur Boulevard, Suite 350
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

July 7, 2010

Delores Pigsley
Confederated Tribes of Siletz
P.O. Box 549
Siletz, OR 97380

Subject: Tower Construction Notice for NEPA Checklist
CO07 Grand Prairie
3626 Three Lakes Road
Albany, OR 97322-7236
TCNS #64293

Dear Ms. Pigsley:

We are contacting you on behalf of our client, AT&T Mobility, which has proposed to construct a 140-foot monopole. The project location is at 3626 Three Lakes Road, Linn County, Oregon, which is within the historical territorial range of the Confederated Tribes of Siletz.

Adapt and AT&T would like to ensure that any and all possible impacts on cultural resources from this project are considered. If you are interested in this site, please contact me within 10 days of receiving this letter. A site information form and an associated map are included with this letter. Please check the appropriate box indicating interest or non-interest and return it in the stamped envelope provided.

Please do not hesitate to contact me by telephone at 503-892-2346 or by email at Beth.Belanger@adaptengr.com, if you have any questions.

Sincerely,

Beth Belanger
Environmental Assessor

Enclosure



Adapt Engineering Inc.
10725 SW Barbur Boulevard, Suite 350
Portland, Oregon 97219

Tel (503) 892-2346
Fax (503) 892-2348
www.adaptengr.com

July 7, 2010

Sally Bird
Confederated Tribes of Warm Springs
P.O. Box C
Warm Springs, OR 97761

Subject: Tower Construction Notice for NEPA Checklist
CO07 Grand Prairie
3626 Three Lakes Road
Albany, OR 97322-7236
TCNS #64293

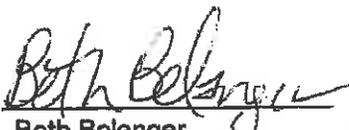
Dear Ms. Bird:

We are contacting you on behalf of our client, AT&T Mobility, which has proposed to construct a 140-foot monopole. The project location is at 3626 Three Lakes Road, Linn County, Oregon, which is within the historical territorial range of the Confederated Tribes of Warm Springs.

Adapt and AT&T would like to ensure that any and all possible impacts on cultural resources from this project are considered. If you are interested in this site, please contact me within 10 days of receiving this letter. A site information form and an associated map are included with this letter. Please check the appropriate box indicating interest or non-interest and return it in the stamped envelope provided.

Please do not hesitate to contact me by telephone at 503-892-2346 or by email at Beth.Belanger@adaptengr.com, if you have any questions.

Sincerely,


Beth Belanger
Environmental Assessor

Enclosure

Beth Belanger

From: towernotifyinfo@fcc.gov
Sent: Thursday, July 22, 2010 6:02 AM
To: Beth Belanger
Cc: Diane.Dupert@fcc.gov, Kim.Pristello@fcc.gov
Subject: Proposed Construction of Communications Facilities Notification of Final Contacts - Email ID #8552

AT&T Mobility
Beth A Belanger Ms
10725 SW Barbur Blvd
Ste. 350
Portland, OR 97219

Dear Applicant:

This letter addresses the proposed communications facilities listed below that you have referred to the Federal Communications Commission (Commission) for purposes of contacting federally recognized Indian Tribes, including Alaska Native Villages (collectively Indian Tribes), and Native Hawaiian Organizations (NHOs), as specified by Section IV.G of the Nationwide Programmatic Agreement (NPA). Consistent with the procedures outlined in the Commission's recent Declaratory Ruling (1), we have contacted the Indian Tribes or NHOs identified in the attached Table for the projects listed in the attached Table. You referred these projects to us between 07/15/2010 and 07/22/2010. Our contact with these Indian Tribes or NHOs was sent on 07/22/2010.

Thus, as described in the Declaratory Ruling (2), if you or Commission staff do not receive a statement of interest regarding a particular project from any Tribe or NHO within 20 calendar days of 07/22/2010, your obligations under Section IV of the NPA with respect to these Indian Tribes or NHOs are complete(3). If an Indian Tribe or NHO responds that it is interested in participating within the 20 calendar day period, the Applicant must involve it in the review as set forth in the NPA, and may not begin construction until the process set forth in the NPA is completed.

You are reminded that Section IX of the NPA imposes independent obligations on an Applicant when a previously unidentified site that may be a historic property, including an archeological property, is discovered during construction or after the completion of review(4). In such instances, the Applicant must cease construction and promptly notify, among others, any potentially affected Indian Tribe or NHO. An Indian Tribe's or NHO's failure to express interest in participating in pre-construction review of an undertaking does not necessarily mean it is not interested in archeological properties or human remains that may inadvertently be discovered during construction. Hence, an Applicant is still required to notify any potentially affected Indian Tribe or NHO of any such finds pursuant to Section IX or other applicable law.

Sincerely,
Dan Abeyta
Assistant Chief
Spectrum and Competition Policy Division
Wireless Telecommunications Bureau

1) See Clarification of Procedures for Participation of Federally Recognized Indian Tribes and Native Hawaiian Organizations Under the Nationwide Programmatic Agreement, Declaratory Ruling, FCC 05-176 (released October 6, 2005) (Declaratory Ruling).

2) Id S 8-10.

3) We note that, under the Declaratory Ruling, an expression of interest by an Indian Tribe or NHO addressed solely to the Commission staff during the 20-day period is sufficient even if it does not contact the Applicant.

4) Id at S 11.

LIST OF PROPOSED COMMUNICATIONS TOWERS

TCNS# 64293 Referred Date: 07/20/2010 Location: 3626 Three Lakes Road, Albany, OR
Tribe Name: Confederated Tribes of the Warm Springs Reservation
Tribe Name: Fallon Paiute-Shoshone Tribe
Tribe Name: Siletz Tribal Council

LEGEND:

* - Notification numbers are assigned by the Commission staff for sites where initial contact was not made through TCNS.

From: towernotifyinfo@fcc.gov
To: [Lindsay Mico](mailto:Lindsay.Mico)
Cc: kim.pristello@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER CONSTRUCTION NOTIFICATION INFORMATION - Email ID #3076870
Date: Friday, August 24, 2012 12:01:36 AM

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribes"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribes and in making further contacts, the City and State of the Seat of Government for each Tribe and NHO, as well as the designated contact person, is included in the listing below. We note that Tribes may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribes and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribe or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribes and NHOs who have set their geographic preferences on TCNS. If the information you provided relates to a proposed antenna structure in the State of Alaska, the following list also includes Tribes located in the State of Alaska that have not specified their geographic preferences. For these Tribes and NHOs, if the Tribe or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribe or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event such a Tribe or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribe or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Cultural Resources Specialist David Harrelson - Confederated Tribes of the Grand Ronde Community of Oregon - Grand Ronde, OR - electronic mail and regular mail
Details: For every proposed location, the Confederated Tribes of the Grand Ronde Community of Oregon requires the township, range and section numbers. Please send this information via electronic mail to the attention of David Harrelson, at david.harrelson@grandronde.org.

Please include the TCNS number in your correspondence. Thank you.

Sincerely,
David Harrelson, Cultural Resources Specialist
david.harrelson@grandronde.org
(503) 879-2320

2. Chairman Delores Pigsley - Siletz Tribal Council - Siletz, OR - regular mail

3. Chairperson Charisse Soucie - Burns Paiute Tribe - Burns, OR - electronic mail and regular mail
Details: If the Applicant/tower constructor receives no response from the Burns Paiute Tribe, General Council within 30 days after notification through TCNS, the Burns Paiute Tribe, General Council has no interest in participating in pre-construction review for the proposed site. The Applicant/tower constructor, however, must notify the Burns Paiute Tribe, General Council in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

4. Cultural Resource Mgr Sally Bird - Confederated Tribes of the Warm Springs Reservation - Warm Springs, OR - electronic mail and regular mail
Details: Warm Springs Geo Visions, on behalf of the Confederated Tribes of the Warm Springs Reservation of Oregon will review your TCNS request within 30 days upon receipt of payment. Payment for each request reviewed will be at a base cost of \$100 per request. If additional reviews are needed from this office, such as review of an archaeological report an additional fee may be forthcoming.

Payment should be sent to:
Warm Springs Geo Visions
Attn: Project #512009
P.O. Box 460
Warm Springs, Oregon 97761

5. Chairman Harry Smiskin - Yakama Nation - Toppenish, WA - electronic mail and regular mail
Details: If the Applicant/tower builder receives no response from the Yakama Nation within 30 days after notification through TCNS, the Yakama Nation has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must IMMEDIATELY notify the Yakama Nation in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

The information you provided was also forwarded to the additional Tribes and NHOs listed below. These Tribes and NHOs have NOT set their geographic preferences on TCNS, and therefore they are currently receiving tower notifications for the entire United States. For these Tribes and NHOs, you are required to use reasonable and good faith efforts to determine if the Tribe or NHO may attach religious and cultural significance to historic properties that may be affected by its proposed undertaking. Such efforts may include, but are not limited to, seeking information from the relevant SHPO or THPO, Indian Tribes, state agencies, the U.S. Bureau of Indian Affairs, or, where applicable, any federal agency with land holdings within the state (NPA, Section IV.B). If after such reasonable and good faith efforts, you determine that a Tribe or NHO may attach religious and cultural significance to historic properties in the area and the Tribe or NHO does not respond to TCNS notification within a reasonable time, you should make a reasonable effort to follow up, and must seek guidance from the Commission in the event of continued non-response or in the event of a procedural or substantive disagreement. If you determine that the Tribe or NHO is unlikely to attach religious and cultural significance to historic properties within the area, you do not need to take further action unless the Tribe or NHO indicates an interest in the proposed construction or other evidence of potential interest comes to your attention.

None

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

6. Compliance Specialist Julie Osborne - Oregon State Historic Preservation Office - Salem, OR - regular mail

7. Deputy SHPO James Hamrick - Oregon Parks & Recreation Department - Salem, OR - electronic mail

If you are proposing to construct a facility in the State of Alaska, you should contact Commission staff for guidance regarding your obligations in the event that Tribes do not respond to this notification within a reasonable time.

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 08/17/2012
Notification ID: 87919
Tower Owner Individual or Entity Name: American Towers LLC
Consultant Name: Mico Lindsay
Street Address: 10725 SW Barber Blvd #200
City: Portland
State: OREGON
Zip Code: 97213
Phone: 503-892-2346
Email: lindsay.mico@adaptengr.com

Structure Type: POLE - Any type of Pole
Latitude: 44 deg 36 min 31.5 sec N
Longitude: 123 deg 3 min 39.1 sec W
Location Description: 3626 Three Lakes Rd SE
City: Albany
State: OREGON
County: LINN
Ground Elevation: 74.1 meters
Support Structure: 42.7 meters above ground level
Overall Structure: 42.7 meters above ground level
Overall Height AMSL: 116.8 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

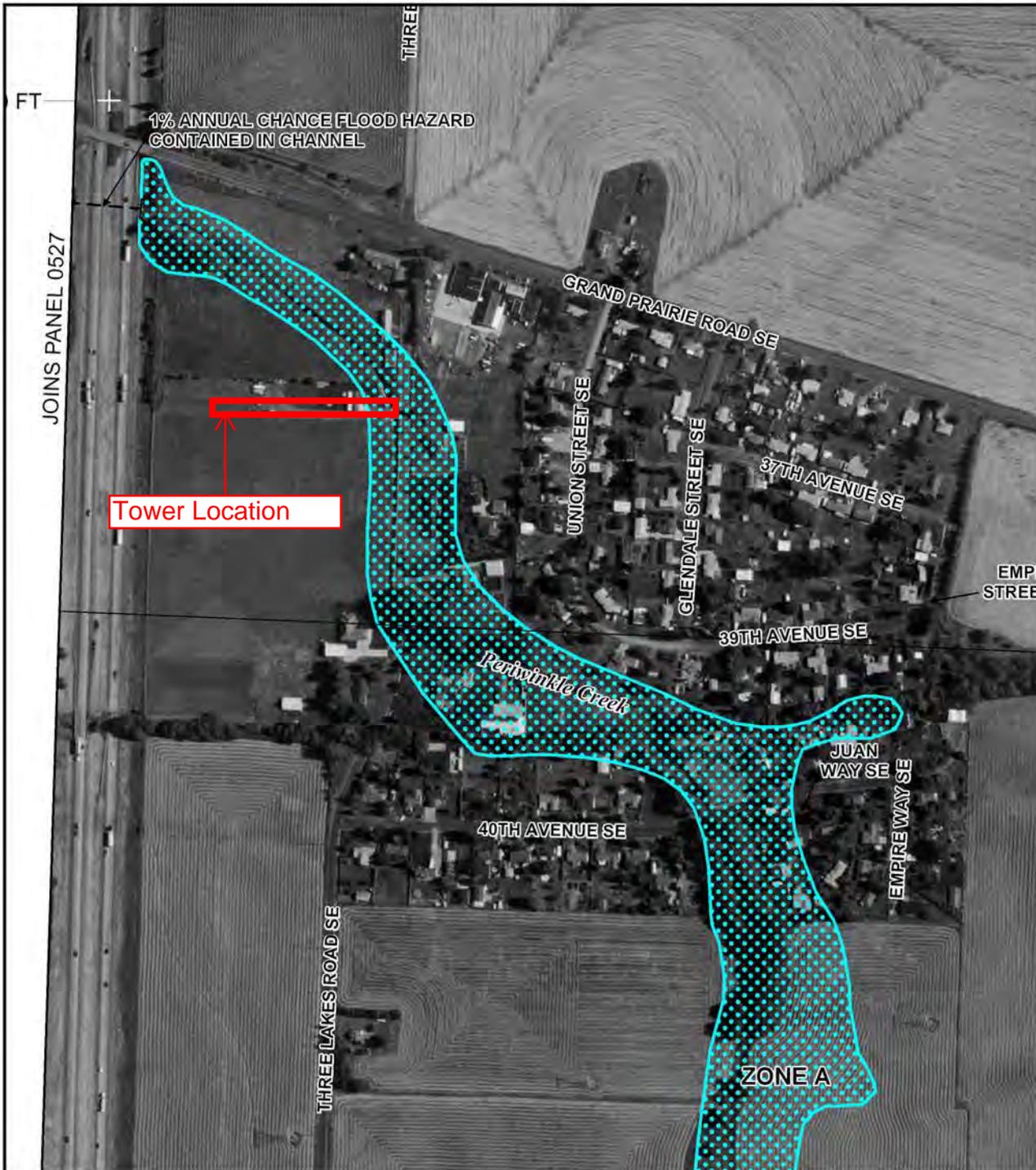
<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

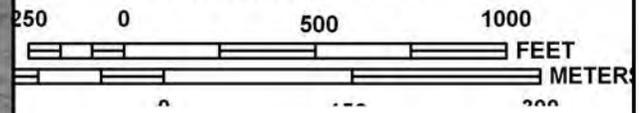
Thank you,
Federal Communications Commission

APPENDIX H

STANDARD FLOOD HAZARD DETERMINATION



MAP SCALE 1" = 500'



PANEL 0531G

FIRM
FLOOD INSURANCE RATE MAP
LINN COUNTY,
OREGON
AND INCORPORATED AREAS

PANEL 531 OF 1575
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALBANY CITY OF	410137	0531	G
LINN COUNTY	410136	0531	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
41043C0531G
EFFECTIVE DATE
September 29, 2010

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

APPENDIX I

LINN COUNTY FLOODPLAIN REGULATIONS

TITLE 8

BUILDING CODE

CHAPTER 870

FLOODPLAIN MANAGEMENT CODE

Statutory References and Other Authorities

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I. ADMINISTRATIVE PROVISIONS

870.010 Title

This chapter, LCC 870.010 to 870.999, shall be known and may be cited as the “Linn County Floodplain Management Code” or simply as the “Floodplain Management Code.”

[Adopted 85-161 eff 5/1/85; amd 03-397 §1 eff 11/5/03]

870.020 Statutory authorization

This Chapter is adopted pursuant to ORS 203.035.

[Adopted 85-161 eff 5/1/85]

870.030 Statement of purpose

The provisions of this chapter are to promote public safety and welfare and minimize flood related losses by:

(A) Managing development in floodplain areas in order to reduce the potential for loss of life and property damage.

(B) Requiring the construction of structures and utilities in a manner that will reduce damage to the installations and prevent contamination and unsanitary conditions.

(C) Preventing encroachments that decrease the flood carrying capacities of floodways, increase flood heights, or otherwise aggravate flood problems.

(D) Managing the alteration of natural floodplains, channels, and natural protective barriers that help accommodate or channel flood waters.

(E) Reducing public costs for emergency operations, relief, evacuations and restorations.

(F) Reducing flood insurance and development costs through floodplain management.

[Adopted 85-161 eff 5/1/85; amd 03-397 §1 eff 11/5/03]

870.040 Scope

This chapter and each of its regulations shall apply to all areas of special flood hazard within the jurisdiction of Linn County, except areas within incorporated cities.

[Adopted 85-161 eff 5/1/85]

870.050 Definitions

(A) “**Accessory Structure**” means a building not over 200 square feet in floor area with an average roof height of less than ten (10) feet. For the purpose of this code, accessory structures are “new construction.”

(B) “**Area of shallow flooding**” means a designated AO Zone on the Flood Insurance Rate Map (FIRM). The base flood depths range from one to three feet; a clearly defined channel does not exist; the path of flooding is unpredictable and indeterminate; and, velocity flow may be evident. AO is characterized as sheet flow and AH indicates ponding.

(C) “**Area of special flood hazard**” means the land in the floodplain that is subject to a one percent (1%) or greater chance of flooding in any given year.

(D) “**Base flood**” means a flood having a one percent (1%) chance of being equaled or exceeded in any given year. The term is also called the 100 year flood.

(E) “**Basement**” means any area of a building having its floor below ground level on all sides

(F) “**Building official**” means the person, or designee, charged by Linn County with responsibility for administration and enforcement of the State building code.

(G) “**Certification**” means an original document, legally authenticated, which provides written testimony as to the truth of any fact.

(H) “**Critical facility**” means a facility for which even a slight chance of flooding might be

too great. Critical facilities include, but are not limited to schools, nursing homes, hospitals, police, fire and emergency response installations which produce, use or store hazardous materials or hazardous waste.

(I) “**Designated floodway**” means a floodway that has been designated on a Flood Insurance Rate Map (FIRM) applicable to Linn County.

(J) “**Development**” means any manmade change to improved or unimproved real estate, including, but not limited to, buildings or other structures, partitioning or subdividing, mining, dredging, filling, grading, paving, excavation or drilling operations or storage of equipment located in the area of special flood hazard.

(K) “**Elevated building**” means for insurance purposes, a non-basement building which has its lowest elevated floor raised above ground level by foundation walls, shear walls, post, piers, pilings, or columns..

(L) “**Elevation certificate**” means the Federal Emergency Management Agency National Flood Insurance Program Elevation Certificate.

(M) “**Flood**” or “**Flooding**” means a general and temporary condition of partial or complete inundation of normally dry land areas from:

- (1) the overflow of inland waters; and
- (2) the unusual and rapid accumulation

of surface waters from any source.

(N) “**Flood fringe**” means that portion of the floodplain that lies beyond the floodway and serves as a temporary storage area for flood waters during a flooding event.

(O) “**Flood Insurance Rate Map**” or “**FIRM**” means the official map on which the Federal Insurance Administration has delineated areas of special flood hazards, designated floodways, and risk premium zones as applicable to Linn County.

(P) “**Flood Insurance Study**” means the official report provided by the Federal Insurance Administration that includes flood profiles, the Flood Boundary/Floodway Map, and the water surface elevation of the base flood.

(Q) “**Floodplain**” means any land area susceptible to flooding from any source, the areas

of which are delineated on the Flood Insurance Rate Maps applicable to Linn County.

(R) “**Flood-proofing**” means any combination of structural and non-structural additions, changes or adjustments to structures or facilities which reduce or eliminate flood damage to improved or unimproved real estate, water and sanitary facilities, structures and their contents.

(S) “**Floodway**” means the channel of a river or other watercourse and those identifiable land areas that must be reserved in order to discharge a flood without cumulatively increasing the water surface elevation.

(T) “**Habitable floor**” means any floor used or designed for working, sleeping, eating, cooking, recreation, or any combination thereof.

(U) “**Highest adjacent natural grade**” means the highest natural grade (before any development or grading) in the area of the development touching a structure.

(V) “**Lowest floor**” means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access or storage, in an area other than a basement area, is not considered a building’s lowest floor, provided that such enclosure is built in accordance with this code.

(W) “**Manufactured home**” means a structure built in a factory that is transportable in one or more sections, built on a permanent chassis, designed for use as a permanent residence with or without a permanent foundation when connected to the required utilities. It does not include a recreational vehicle or travel trailer.

(X) “**New manufactured home park or subdivision**” means a manufactured home park or subdivision for which the construction of facilities for servicing the lots on which the manufactured homes are to be affixed (including at a minimum, the installation of utilities, the construction of streets, and either final site grading or the pouring of concrete pads) is completed on or after the effective date of adopted floodplain management regulations.

(Y) “**Non-habitable floor**” means any floor that is not a habitable floor or is used for storage purposes only.

(Z) “**Other buildings**” means detached garages, storage buildings, buildings, or other similar detached buildings accessory to one and two family dwellings.

(AA) “**Permanent construction**” does not include land preparation such as clearing, excavation for a basement, footings, piers or foundations, or the erection of forms.

(BB) “**Riverine**” means relating to, formed by, or resembling a river (including tributaries), streams, etc.

(CC) “**Start of construction**” means the first placement of permanent construction of a structure on a site such as the pouring of concrete, the installation of piles, the construction of columns, any work beyond excavation and the erection of forms, or the placement of a manufactured home on a foundation.

(1) The term includes substantial improvement and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement, or other improvement was within 180 days of the permit issuance.

(2) For a substantial improvement, the actual start of construction means the first alteration of any wall, ceiling, floor, or other structural part of a building, whether or not the alteration affects the external dimensions of the building.

(DD) “**Structure**” means that which is built or constructed, an edifice or building of any kind, or any piece of work artificially built up or composed of parts joined together in some definite manner. This term also includes a gas or liquid storage tank that is principally above ground.

(EE) “**Substantial damage**” means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would be equal or exceed 50 percent (50%) of the assessed market value of the structure before the damage occurred.

(FF) “**Substantial improvement**”

(1) means any repair, reconstruction, or improvement of a structure, the cost of which equals or exceeds 50% of the assessed market value of the structure either:

(a) before the improvement or repair is started; or

(b) if the structure has been damaged and is being restored, before the damage occurred. For the purposes of this definition, "substantial improvement" is considered to occur with the first alteration of any wall, ceiling, floor, or other structural part of the building, whether or not that alteration affects the external dimensions of the structure. All improvements shall be cumulative from the date of the adoption of this code. Permits for additions, appurtenant systems and equipment to buildings issued after the adoption of this code are defined as "**new construction.**" The assessed market value of new construction shall not be used when determining substantial improvement. The building official shall determine the value of the new construction.

(2) This term does not, however, include either:

(a) Any project for improvement of a structure to correct existing violations of state or local health, sanitary, or safety code specifications which have been identified by the local code enforcement official and which are the minimum necessary to assure safe living conditions or

(b) Any alteration of a structure listed on the National Register of Historic Places or a State Inventory of Historic Places.

(GG) "**Undesignated floodway**" means a floodway not designated on a Flood Insurance Rate Map applicable to Linn County.

(HH) "**Water dependent**" means a structure for commerce or industry which cannot exist in any other location and is dependent on the water by reason of the intrinsic nature of its operations.

[Adopted 85-161 eff 5/1/85; amd 86-540 §1 eff 9/17/86; amd 87-249 §1 eff 5/27/87; amd 87-442 §1 eff 9/9/87; amd 90-444 §1 eff 6/27/90; amd 03-397 §1 eff 11/5/03; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.060 Floodplain administrator

(A) *Appointment of floodplain administrator.* The building official is hereby appointed as

the floodplain administrator. The duties of the administrator, in general, are to administer and enforce this chapter, except as to partitioning and subdividing, which shall be under the direction of the Director of the Planning and Building Department.

(B) *Duties of the floodplain administrator.* The specific duties of the floodplain administrator shall include, but not be limited to, the following:

(1) *Permit review and inspections*

(a) to review all development applications to determine whether the permit requirements of this chapter have been satisfied;

(b) to review all development permits to determine that all necessary permits have been obtained from the federal, state, or local government agencies from which prior approval is required;

(c) to review all development permits to determine if the proposed development is located in a floodway. If located in a floodway, assure that all of the standards of this code are met;

(d) to conduct inspections and determine compliance with this chapter.

(e) where elevation data is not available either through the Flood Insurance Study, FIRM, or another authoritative source (Section 870.080), applications for building permits shall be reviewed to determine whether the proposed building sites will be reasonably safe from flooding.

(2) *Information to be obtained and maintained*

(a) where base flood elevation data is provided through the Flood Insurance Study, to obtain and to record the actual elevation (in relation to mean sea level) of the lowest habitable floor (including basement) of all new or substantially improved structures and record whether or not the structure contains a basement;

(b) for all new or substantially improved structures which are flood-proofed:

(i) to verify and record the actual floor and flood level elevations (in relation

to mean sea level) to which structures are flood-proofed; and

(ii) to maintain the flood-proofing certifications required by this code.

(c) in riverine situations, notify adjacent communities and the Department of Land Conservation and Development prior to any alteration or relocation of a watercourse and to submit copies of such notification to the Federal Insurance Administrator.

(d) to maintain records of all actions taken pursuant to this chapter.

(3) *Interpretation of FIRM boundaries.* To make inspections when necessary to determine the exact location of the boundaries of the areas of special flood hazard (for example, where there appears to be a conflict between a mapped boundary and actual field conditions).

(4) *Interpretation of base flood elevations.* To determine the base flood elevation at a development site.

(5) *Assure the flood carrying capacity.* To assure that the flood carrying capacity within the altered or relocated portion of any watercourse is maintained.

[Adopted 85-161 eff 5/1/85; amd 87-249 §1 eff 5/27/87; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.070 Basis for establishing the areas of special flood hazard

The areas of special flood hazard identified by the Federal Insurance Administration in a scientific and engineering report entitled the *Flood Insurance Study for Linn County and Incorporated Areas*, dated September 29, 2010, and revisions thereto, with accompanying flood insurance maps are hereby adopted by reference and declared to be part of this code. The Flood Insurance Study is on file at the Linn County Planning and Building Department, Linn County Courthouse.

[Adopted 87-249 §1 eff 5/27/87; amd 10-311 §1 eff 9/22/10]

870.080 Use of other base flood data

When base flood data is not available, the Floodplain Administrator shall obtain, review and reasonably use base flood and floodway data from

other sources, i.e., Federal, State or historical sources.

[Adopted 85-161 eff 5/1/85; amd 87-249 §1 eff 5/27/87; amd 88-130 § 2 eff 7/5/88; amd 10-311 §1 eff 9/22/10]

870.090 Miscellaneous administrative provisions

(A) When terms of an Urban Growth Management agreement, adopted by both Linn County and an affected city, prescribes more stringent development standards within a floodplain, the more stringent requirement shall apply.

(B) This chapter is not intended to repeal, abrogate, or impair any existing easements, covenants, or deed restrictions.

(C) If any section, clause, sentence or phrase of the Ordinance is held to be invalid or unconstitutional by any court of competent jurisdiction, then said holding shall in no affect the validity of the remaining portions of this Ordinance.

[Adopted 85-161 eff 5/1/85, 87-249 §1 eff 5/27/87; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

II. DEVELOPMENT PERMITS AND CERTIFICATES

870.110 Permits

(A) *Development permit required.* No development may begin within any area of special flood hazard unless a development permit is first applied for and obtained by the property owner or the owner's authorized agent. The permit shall be for all development.

(B) *Permit application requirements*

(1) A person requesting a permit for development within an area of special flood hazard shall submit supporting documents to the Linn County Planning and Building Department as follows:

(a) two complete sets of plans for the development.

(b) a pre-development floodplain elevation worksheet.

(c) a document from the Linn County Department of Health Services Environmental Health Program that the site is suitable for

onsite sewage disposal if the proposed development is designed to generate sewage flows.

(d) land use approval.

(C) *Document review requirements*

(1) The submitted documents shall be reviewed in accordance with this chapter and such codes, laws, and rules that apply and either approved, or denied, or held for further study pending receipt of such additional information as may be necessary to fully evaluate the proposal. It shall be the applicant's responsibility to provide such additional information.

(2) Conditions necessary to carry out the purpose of this chapter may be attached to and become a part of any approval.

(3) If denied, a written copy of the reasons for denial shall be provided to the applicant.

(D) *Post-development elevation certificate*

(1) After the development has been completed, the applicant shall file with the floodplain administrator an elevation certificate for all new construction or substantial improvements within an area of special flood hazard.

(2) The elevation certificate shall be filed with the floodplain administrator before final inspection approval will be granted.

[Adopted 85-161 eff 5/1/85; ; amd 87-249 §1 eff 5/27/87 (and renumbering from 940.320); amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.130 General development requirements

(A) *Anchoring*

(1) All new construction and substantial improvements shall be anchored to prevent flotation, collapse, and lateral movement.

(2) All manufactured homes must likewise be anchored to prevent flotation, collapse, and lateral movement, and shall be installed using methods and practices that minimize flood damage. Anchoring methods may include, but are not limited to; use of over-the-top or frame ties to ground anchors (Reference FEMA's "*Manufactured Home Installation in Flood Hazard Areas*" guidebook for additional techniques).

(B) *Construction materials and methods*

(1) All structural and non-structural building materials at or below the base flood

elevation shall be resistant to flood damage per FEMA *Technical Bulletin 2* .

(2) All new construction or substantial improvements shall be constructed using methods and practices that minimize flood damage.

(3) All new and replacement mechanical, electrical equipment, heating, ventilation, plumbing, air condition, other service facilities and components shall be elevated one foot (1') above the base flood elevation, or where the base flood elevation has not been established, two feet (2') above the highest adjacent grade .

(4) *Exception.* Paragraph (3) of this subsection does not apply to irrigation pump service equipment that is removed from the area of special flood hazard between November and May of each year.

(C) *Utilities*

(1) All electrical and mechanical components and equipment shall be elevated a minimum of one foot above the base flood elevation, flood-proofed or be listed and approved for installation in a wet location.

(2) Plumbing openings below less than one foot above base flood elevation shall be flood-proofed or equipped with approved back water valves.

(3) All new and replacement water supply systems shall be designed to minimize or eliminate infiltration of flood water into the system.

(4) New and replacement sanitary sewage systems shall be designed to minimize or eliminate infiltration of flood waters into the system and discharge from the system into flood waters. On site sewage disposal systems shall be located to avoid impairments to them, or contamination from them during flooding.

[Adopted 85-161 eff 5/1/85; amd 86-540 §1 eff 9/17/86; amd 87-249 §1 eff 5/27/87 [combining old 940.440, 940.450, 940.455, 940.460, and 940.430; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.140 Specific construction requirements; residential uses in unnumbered A zones and areas of shallow flooding (AO zones)

(A) Residential construction

(1) All new construction and substantial improvements of any residential structure constructed where base flood elevations have not been established (see Section 870.080), shall have the bottom of the lowest horizontal structural member of the lowest floor (including basement) located 18 inches above the highest natural grade within the boundary of the area of special flood hazard in the tax lot being developed.

(2) All new construction and substantial improvements of any residential structure constructed in Zone AO must be elevated so as to have the lowest horizontal structural member of the lowest floor (including basement) located a minimum of 18 inches above the depth number specified on the FIRM.

(3) Fully enclosed areas below the lowest floor that are subject to flooding are prohibited, or must be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect, or must meet or exceed the following minimum criteria:

(a) a minimum of two openings having a total net area of net loss than one square inch for every square foot of enclosed area subject to flooding shall be provided.

(b) the bottom of all openings shall be no higher than one foot above grade.

(c) openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of flood waters.

(4) The interior crawlspace grade shall be at or above the lowest adjacent exterior grade.

(5) All structural and non-structural building materials at or below the 18 inch elevation requirement or flood depth requirement shall be flood resistant per FEMA *Technical Bulletin 2*.

(6) All electrical and mechanical components and equipment shall be elevated a minimum of two feet above highest adjacent grade or be listed and approved for installation in a wet location.

(7) Plumbing openings shall be flood proofed and equipped with back water valves.

(B) Manufactured dwellings

(1) Manufactured dwellings installed where base flood elevations have not been established within a special flood hazard area, shall have the bottom of the longitudinal chassis frame beam elevated a minimum of 18 inches above the highest natural grade within the boundary of the area of special flood hazard area on the tax lot being developed. In Zone AO, the manufactured dwelling must be elevated so the bottom of the longitudinal chassis frame beam is a minimum of 18 inches above the depth number specified on the FIRM.

(2) Fully enclosed areas below the lowest floor that are subject to flooding are prohibited.

(3) The interior crawlspace grade shall be at or above the lowest adjacent exterior grade.

(4) All structural and non-structural building materials at or below (a) the 18 inch requirement or (b) 18 inches above the depth number, shall be resistant per FEMA *Technical Bulletin 2*.

(5) All electrical and mechanical components and equipment shall be elevated at a minimum of two feet above highest adjacent grade or be listed and approved for installation in a wet location.

(6) Plumbing openings shall be flood proofed and equipped with back water valves.

(7) All manufactured dwellings shall be anchored according to one of the following:

(a) *Manufactured Home Installation in Flood Hazard Areas* guidebook; or

(b) supported on and secured to an approved foundation wall or basement wall; or

(c) attached to an approved structural skirting system; or

(d) Supported on and secured to a foundation system capable of resisting flooding that was designed by an Oregon professional engineer or architect and approved by the building official.

(8) The area below the elevated floor is non-habitable and is usable solely for parking of vehicles, building access or storage.

(C) *Other buildings*

(1) Other buildings, less than 200 square feet may have the floors below the minimum 18 inch above highest adjacent grade requirement, if all of the following conditions are met:

(a) there shall be a minimum of two openings having a total net free area of not less than one square inch for every square foot of enclosed area;

(b) the bottom of all openings shall be no higher than one foot (1') above finished grade;

(c) openings may be equipped with screens, louvers, or other coverings or devices provided that they allow the automatic entry and exit of flood waters;

(d) the floor, if installed, must be of concrete or blacktop;

(e) there shall be no interior finish within 18 inches of highest adjacent grade;

(f) All structural and non-structural building materials below the 18 inch requirement must be flood resistant per FEMA *Technical Bulletin 2*.

(D) Adequate drainage paths around structures on slopes are required to guide floodwaters around and away from proposed structures.

[Adopted 85-161 eff 5/1/85; amd 87-249 §1 eff 5/27/87 [combining old 940.465 and 940.470]; amd 87-442 § eff 9/9/87; amd 87-442 §1 eff 9/9/87; amd 90-444 §1 eff 6/27/90; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.141 Specific construction requirements; residential uses in Zone AE zones

(A) *Residential Structures*

(1) All new construction and substantial improvements of any residential structure shall have the bottom of the lowest horizontal structural member of the lowest floor (including basement)

elevated to a minimum of 18 inches above base flood elevation on the FIRM.

(2) Fully enclosed areas below the lowest floor that are subjected to flooding are prohibited, or shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must be either certified by a registered professional engineer or architect or must meet or exceed the following minimum criteria:

(a) a minimum of two openings having a total new area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.

(b) the bottom of all the openings shall be no higher than one foot above finished grade.

(c) openings may be equipped with screens, louvers, or other coverings or devices provided that they permit the automatic entry and exit of flood waters.

(3) The interior crawlspace grade shall be at or above the lowest adjacent exterior grade.

(4) The area below the elevated floor is non-habitable and is usable solely for parking of vehicles, building access or storage.

(B) *Manufactured Dwellings*

(1) The ground area reserved for the placement of a manufactured dwelling supported by fully enclosed foundation walls shall be a minimum of one foot above BFE unless the foundation walls are designed to automatically equalize hydrostatic forces by allowing for the entry and exit of floodwaters. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or meet or exceed the following minimum criteria:

(a) a minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided;

(b) the bottom of all openings shall be no higher than one foot above grade; and

(c) openings may be equipped with screens, louvers, or other coverings or devices

provided that they permit the automatic entry and exit of flood waters.

(2) The bottom of the longitudinal chassis frame beam shall be a minimum of 18 inches above BFE.

(3) The manufactured dwelling shall be anchored to prevent flotation collapse and lateral movement during the base flood. Anchoring methods may include, but are not limited to, use of over-the-top or frame ties to ground anchors (Reference FEMA's "Manufactured Home Installation in Flood Hazard Areas" guidebook for additional techniques), and; [44 CFR 60.3(c)(6)]

(4) Electrical crossover connections shall be a minimum of 18 inches above BFE.

(5) All structural and non-structural building materials at or below the base flood elevation shall be resistant per FEMA *Technical Bulletin 2*.

(6) All electrical and mechanical components and equipment shall be elevated at a minimum of one foot above the base flood elevation or be listed and approved for installation in a wet location.

(7) Plumbing openings below the elevation of one foot above base flood elevation shall be flood proofed and equipped with back-water valves.

(8) The interior crawlspace grade shall be at or above the lowest adjacent exterior grade.
[Adopted 10-311 §1 eff 9/22/10]

870.142 Specific construction requirements; nonresidential

(A) New construction and substantial improvement of any commercial, industrial, or other nonresidential structure shall either have the lowest horizontal structural member of the lowest floor (including basement):

(1) elevated a minimum of 18 inches above the base flood elevation, if in Zone AE or if a BFE has been established; or

(2) elevated no lower than 18 inches above the highest natural grade within the boundary of the area special flood hazard if located in Zone A; or

(3) elevated a minimum of 18 inches above the depth number specified on the FIRM if in Zone AO; or

(4) together with attendant utility and sanitary facilities, be completely flood proofed as follows:

(a) Zone A and Zone AE – be flood proofed so that below the depth number the structure is water tight with walls substantially impermeable to the passage of water.

(5) Have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy; and

(6) Be certified by a registered professional engineer or architect that the design and methods of construction are in accordance with accepted standards of practice for meeting provisions of this subsection based on their development and/or review of the structural design, specification, and plans and the Linn County Specialty Code. If this method is used, compliance shall be certified by a registered professional engineer or architect as in Section 870.142 (A) (2) (c).

(B) Applicants flood proofing nonresidential structures shall be notified that flood insurance premiums will be based on rates that are one foot below the flood proofed level.

(C) Adequate drainage paths around structures on slopes are required to guide floodwaters around and away from proposed structures.

(D) Nonresidential structures that are elevated, not flood proofed must meet the same standards for space below the lowest floor as described in 870.141 (A) (2), (3) and (4).

[Adopted 03-397 03-397 eff 11/5/03; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.143 Specific requirements for recreational vehicles

Recreational vehicles placed on sites shall:

(A) be on the site for fewer than 180 consecutive days;

(B) be fully licensed and ready for highway use, on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and

security devices, and has no permanently attached additions; or

(C) meet the anchoring requirements of 870.130 and the elevation requirements for manufactured homes as follows: Section 870.140(B) and Zone A and Zone AO and Section 870.141(B) for Zone AE.

[Adopted 10-311 §1 eff 9/22/10]

870.144 Specific construction requirements; “fill and excavation”

(A) All fill placed at or below the base flood elevation shall be balanced with at least an equal amount of material removed either on site or from an approved nearby area at or below the base flood elevation in the same drainage basin or provide certification by an engineer as per number (4) below. In addition to the requirements of LCC 850 (Fill and Excavation Code), when approved by the floodplain administrator fill may be placed in an area of special flood hazard when:

- (1) a development permit is obtained;
- (2) the net effect of fill and excavation

operations (onsite) constitutes no positive change in fill volume;

(3) the proposed fill or excavation will not change the direction or velocity of flood water flow;

(4) the proposed fill or excavation will not cause a compounding of flood hazards; or

(5) a registered engineer shall certify that the proposed project will not cause a rise in the base flood elevation during a one hundred year event or create conditions that would be detrimental to adjacent or neighboring properties. The certification shall be provided with the development permit application.

(B) *Exception:* A fill or excavation of 50 cubic yards or less, not intended to support structures and meeting the requirements of paragraphs (2) and (3) of subsection (A) of this section, section 870.149, and section 870.150. All fill is cumulative from the date of the original adoption of this chapter (November 5, 2003).

[Adopted 03-397 03-397 eff 11/5/03; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.146 Specific construction requirements; “other development”

(A) A development permit is required for solid fences, above ground driveways, and accessory structures.

(B) Other development such as solid fences, above ground driveways, and accessory structures shall be designed and placed so as to not alter or obstruct the flow of flood water, and where applicable, anchored to prevent flotation, collapse, or lateral movement.

[Adopted 03-397 03-397 eff 11/5/03; amd 03-397 §1 eff 11/5/03]

870.149 Before regulatory floodway

In areas where a regulatory floodway has not been designated, no new construction, substantial improvements, or other development (including fill) shall be permitted within Zone AE unless it is demonstrated that the cumulative effect of the proposed development, when combined with all other existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.

[Adopted 10-311 §1 eff 9/22/10]

870.150 Floodways

Because the floodway is an extremely hazardous area due to the velocity of flood waters which carry debris and other potential projectiles, and has erosion potential, the following provisions shall apply:

(A) All proposed development including fill, new construction, substantial improvements, and other development must be certified by an Oregon professional engineer . demonstrating through hydrologic and hydraulic analyses performed in accordance with standard engineering practice that the proposed encroachment will not result in any increase in flood levels during the occurrence of the base flood discharge. The engineer will also certify the proposed development will not create conditions that would be detrimental to adjacent or neighboring properties.

(B) If Section (A) above is satisfied, all new construction and substantial improvements shall

comply with all applicable flood hazard reduction provisions of this chapter.

[Adopted 85-161 eff 5/1/85; amd 87-249 §1 eff 5/27/87; amd 03-397 §1 eff 11/5/03; amd 10-311 §1 eff 9/22/10]

870.160 Applicability of Linn County Specialty Code

All new construction and substantial improvements requiring flood proofing shall be constructed in accordance with this chapter and the applicable sections of the Linn County Specialty Code.

[Adopted 03-397 03-397 eff 11/5/03; amd 03-397 §1 eff 11/5/03]

870.170 Impact on flood insurance

When approval is given to construct a building with the floor below the base flood elevation the applicant shall be given a written notice that the cost of flood insurance will be commensurate with the increased risk resulting from the reduced lowest floor elevation.

[Adopted 85-161 eff 5/1/85; amd 03-397 §1 eff 11/5/03]

870.180 Subdivision and partition proposals

(A) All subdivision and partition proposals shall be consistent with the need to minimize flood damage.

(B) All subdivision and partition proposals shall have the public utilities such as sewer, gas, electrical, and water systems located and constructed to minimize flood damage.

(C) All subdivision and partition proposals shall have adequate drainage provided to reduce exposure to flood damage.

(D) The applicant shall provide base flood elevation data (if unknown) for all subdivisions.

[Adopted 03-397 03-397 eff 11/5/03; amd 03-397 §1 eff 11/5/03]

III. ENFORCEMENT

870.900 Prohibited activities

(A) No person shall engage in or procure, aid or abet any other person to engage in any conduct or activity for which a development permit is required without first having obtained such permit.

(B) No person shall construct or erect any flood barrier that will divert flood waters or may increase flood hazards in other areas.

(C) No person shall make alterations of a natural floodplain, channel, or any natural protective barrier that will increase flood hazards.

[Adopted 03-397 03-397 eff 11/5/03]

870.930 Warning and disclaimer of liability

The degree of flood protection required by this chapter is considered reasonable for regulatory purposes, and is based on scientific and engineering considerations. Larger floods can and will occur on rare occasions. Flood heights may be increased as a result of failure of manmade structures and/or natural causes. This chapter does not imply that the land outside the area of special flood hazards, or uses permitted within such area, will be free from flooding or flood damages. This chapter shall not create liability on the part of Linn County, any officer or employee thereof, for any flood damages that result from reliance on this chapter or any administrative decision lawfully made thereunder.

[Adopted 03-397 03-397 eff 11/5/03]

870.950 Penalties for noncompliance

Any person violating the terms of this chapter by failure to comply with any of its requirements commits a violation of this code and is subject to enforcement under the terms of LCC 240 (Linn County Enforcement Code).

[Adopted 85-161 eff 5/1/85; renumbered from 940.335]

Statutory References and Other Authorities:

44 CFR 60.3(b)(3); ORS 203; Urban Growth Boundary Agreements; Federal Emergency Management Act (FEMA); FEMA's *Manufactured Home Installation in Flood Hazard Areas*; National Register of Historic Resources; Linn County Register of Historic Resources; Federal Emergency Management Agency (FEMA) *Flood Insurance Study for Linn County, Oregon and Incorporated Areas* dated September 29, 2010;

and LCC Chapters 850 (Fill & Excavation Code)
and 903 (Natural Resources Element Code).

**Legislative History of Chapter 870 (formerly
codified at Chapter 9.40):**

Adopted by 80-461 eff 3/30/81

Amendments to 85-161

- #1 86-540 eff 9/17/86
 - #2 87-249 eff 5/27/87
 - #3 87-442 eff 9/9/87
 - #4 88-130 eff 7/5/88
 - #5 90-444 eff 6/27/90
 - #6 95-177 eff 5/10/95 (renumbering)
 - #7 03-397 eff 11/5/03
 - #8 10-311 eff 9/22/10
-
-

APPENDIX J
WETLAND DELINEATION



Oregon

John A. Kitzhaber, MD, Governor

COØ7 Grand Prairie

Department of State Lands

775 Summer Street NE, Suite 100

Salem, OR 97301-1279

(503) 986-5200

FAX (503) 378-4844

www.oregonstatelands.us

March 8, 2011

AT&T Mobility
c/o Adapt Engineering
Attn: Beth Belanger
19801 SW 72nd Avenue #200
Tualatin, Oregon 97062

State Land Board

John A. Kitzhaber, MD
Governor

Re: Wetland Delineation Report for Albany, Linn County; T 11S
R 3W S 16 TL 1801(portion); WD #2010-0414; Albany East of
I-5 Local Wetlands Inventory wetland PER-5

Kate Brown
Secretary of State

Ted Wheeler
State Treasurer

Dear Ms. Belanger:

The Department of State Lands has reviewed the wetland delineation report prepared by Fernwood Environmental Services Company for the site referenced above. Please note that the study area includes only a portion of the tax lot described above (please see the attached map). Based upon the information presented in the report and additional information submitted upon request, we concur with the wetland boundaries as mapped in revised Figure 6 of the report. Please replace all copies of the preliminary wetland map with this final Department-approved map. Within the study area, one wetland (totaling approximately 0.28 acres) and no waterways were identified. The wetland is subject to the permit requirements of the state Removal-Fill Law. **Under current regulations, a state permit is required for cumulative fill or annual excavation of 50 cubic yards or more in the wetland (or below the ordinary high water line of a waterway).**

This concurrence is for purposes of the state Removal-Fill Law only. Federal or local permit requirements may apply as well. The Army Corps of Engineers will review the report and make a determination of jurisdiction for purposes of the Clean Water Act at the time that a permit application is submitted. We recommend that you attach a copy of this concurrence letter to both copies of any subsequent joint permit application to speed application review.

Please be advised that state law establishes a preference for avoidance of wetland impacts. Because measures to avoid and minimize wetland impacts may include reconfiguring parcel layout and size or development design, we recommend that you work with Department staff on appropriate site design before completing the city or county land use approval process.

This concurrence is based on information provided to the agency. The jurisdictional determination is valid for five years from the date of this letter, unless new information necessitates a revision. Circumstances under which the Department may change a

WETLAND DELINEATION / DETERMINATION REPORT COVER FORM

This form must be included with any wetland delineation report submitted to the Department of State Lands for review and approval. A wetland delineation report submittal is not "complete" unless the fully completed and signed report cover form and the required fee are submitted. Attach the form to the front of an unbound report and submit to: Oregon Department of State Lands, 775 Summer Street NE, Suite 100, Salem, OR 97301-1279

Mail a copy of the completed form with payment of the required report review fee to: Oregon Department of State Lands, P.O. Box 4395, Unit 18, Portland, OR 97208-4395.

For new credit card payment option, see DSL web site.

<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Owner Name, Firm and Address: AT&T Mobility c/o Adapt Engineering Attn: Beth Belanger 19801 SW 72nd Ave #200 Tualatin, OR 97062	Business phone # 503-892-2346 Mobile phone # (optional) FAX # E-mail: beth.belanger@adapteng.com
<input checked="" type="checkbox"/> Authorized Legal Agent, Name and Address: Same as above	Business phone # FAX # Mobile phone # E-mail:
I either own the property described below or I have legal authority to allow access to the property. I authorize the Department to access the property for the purpose of confirming the information in the report, after prior notification to the primary contact. Typed/Printed Name: _____ Signature: _____ Date: _____ Special instructions regarding site access: _____	

Project and Site Information (for latitude & longitude, use centroid of site or start & end points of linear project)

Project Name: CO07 Grand Prairie Site	Latitude: N 44.608792	Longitude: W 123.061003
Proposed Use: Cell Tower	Tax Map # 11.5.16	
Project Street Address (or other descriptive location): 3626 Three Lakes Road, Albany, OR 97322	Township 11S Range 5W Section 16 QQ WM	
City: Albany County: Linn	Tax Lot (s) 1801	
	Waterway: NA River Mile: NA	
	NWI Quad(s): Tangent	

Wetland Delineation Information

Wetland Consultant Name, Firm and Address: Fernwood Environmental Services, Co 2613 12th Street SE Salem, OR 97303	Phone # 503-581-6887 Mobile phone # 503-871-5793 FAX # 503-581-7047 E-mail: mike.fes@comcast.net
The information and conclusions on this form and in the attached report are true and correct to the best of my knowledge. Consultant Signature: <i>Antoinette Rotsalk</i> Date: August 23, 2010	
Primary Contact for report review and site access is <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> Applicant/Owner <input type="checkbox"/> Authorized Agent	
Wetland/Waters Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Study Area size: 0.28 Total Wetland Acreage: 0.28

Check Box Below if Applicable:

Fees:

<input type="checkbox"/> R-F permit application submitted <input type="checkbox"/> Mitigation bank site <input type="checkbox"/> Wetland restoration/enhancement project (not mitigation) <input type="checkbox"/> Industrial Land Certification Program Site	<input checked="" type="checkbox"/> Fee payment submitted \$ 363 <input type="checkbox"/> Fee (\$100) for resubmittal of rejected report Name of Payor: _____
Other information:	
Has previous delineation/application been made on parcel? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	If known, previous DSL # _____
Does LWI, if any, show wetland or waters on parcel? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

For Office Use Only

DSL Reviewer: _____	Fee Paid Date: ____/____/____	DSL WD # _____
Date Delineation Received: ____/____/____	DSL Project # _____	DSL Site # _____
Scanned: <input type="checkbox"/> Final Scan: <input type="checkbox"/>	DSL WN # _____	DSL App. # _____

WETLAND DELINEATION AND DETERMINATION

Prepared for:

AT&T Mobility
19801 SW 72nd Ave #200
Tualatin, OR 97062

Prepared by:

Mike Rotsolk
Fernwood Environmental Services, Co.
2613 12th Street SE
Salem, OR 97303

August 2010

A) LANDSCAPE SETTING AND LAND USE (previous and current) OAR141-090-0035 (7)(a)

At the request of AT&T Mobility; Fernwood Environmental Services Co. performed a wetland delineation on a 0.28 acre portion of tax lot 1801 located at 3626 Three Lakes Road SE in Albany, OR (T11S, R5W, Sec. 16 WM). The site is currently vacant and consists of a mowed field. Site has historically been a grass field possibly used as a hay crop or pasture. The study area is located directly east of Interstate 5, west of Three Lakes Road and south of Periwinkle Creek. The topography of the site is relatively flat and is at an elevation of 243 feet.

B) SITE ALTERATIONS OAR 141-090-0035 (7)(c)

There are no site alterations within the study area that are believed to have affected the presence, location, or geographic boundaries of any waters of the state or wetlands on the site.

C) PRECIPITATION DATA AND ANALYSIS OAR 141-090-0035 (7)(i)

Percent of normal precipitation for the water year to date AND monthly percent of normal precipitation using appropriate NRCS WETS table for each of the water year preceding the field investigations.

The subject site is located in Albany, Oregon. The closest city that contains precipitation data from the WETS table and from the National Weather Service is Salem. The Salem weather station recorded 0.0 inches of rain on the day of the site visit on July 14th, 2010. The weather station recorded 42.33 inches of rain from October 1, 2009, which is above the normal value of 37.66 inches for the year.

Table 1: Precipitation summary (Salem)

	WETS AVG for Salem	National Climate Service (Salem)	% Below Average	% Above Average
April	2.76	4.35		36.6%
May	2.13	3.47		38.6%
June	1.45	2.64		45%
July	0.57	0.04	93%	

D) METHODS

A total of 6 sample plots were established on July 14th, 2010 to document wetland and upland conditions within the project area. Plot locations were placed on all sides of the contiguous wetland area within the specified study area. The shape and size of the study area was defined by the proposed area of development. The number of sample plots

documented is believed to be representative of the change in plant communities, soil features, or level of groundwater hydrology indicators found within the study area.

E) DESCRIPTION OF ALL WETLANDS AND OTHER NON-WETLAND WATERS

The palustrine emergent wetlands begin offsite to the south from another field used for hay production and continues across the microtopography of the subject property and continues to the north. Wetland boundaries were defined by dominant vegetation communities, topography, soils, and hydrology indicators.

F) DEVIATION FROM LWI OR NWI

There are no wetland/waters of the state associated with this site as depicted on the National Wetland Inventory (NWI) Map (Figure 3a) or the Local Wetland Inventory (Figure 3b).

G) MAPPING METHOD

Wetland areas were established and flagged by Fernwood Environmental Services Co. and were field surveyed with a Leica TCRA 1105 Robotic Total Station to an accuracy of +/- 3 feet.

H) ADDITIONAL INFORMATION

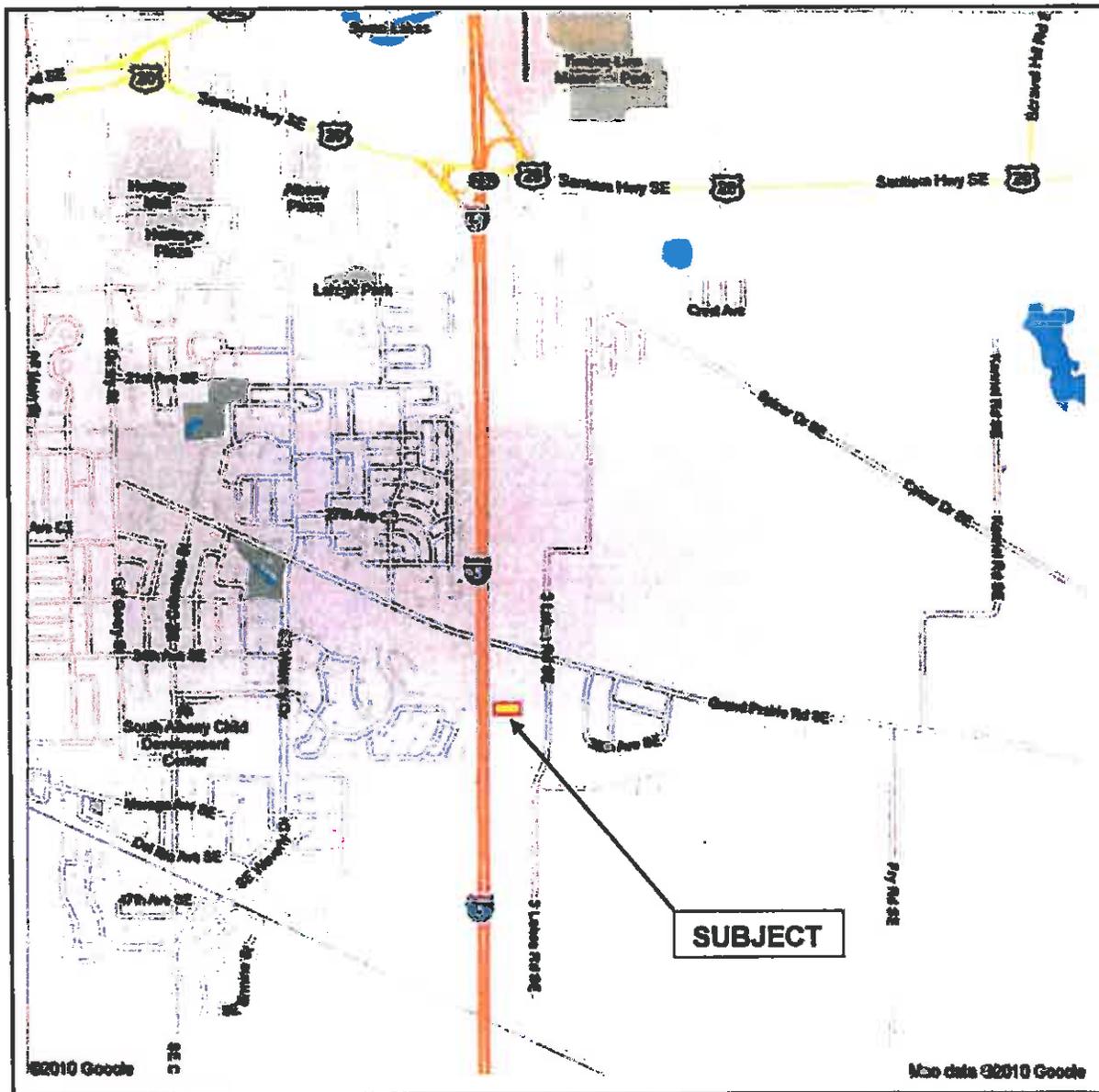
No additional information has been gathered to assist in evaluating the site.

I) RESULTS AND CONCLUSIONS

Based upon our site reconnaissance and sampling of the three required wetland criteria (wetland hydrology, hydric soils, and hydrophytic vegetation), FES has identified approximately 0.28 acres of potentially jurisdictional wetlands classified as palustrine emergent wetlands within the 0.28 acre study area. Figure 6 depicts the location of the potentially jurisdictional wetlands and sample sites (Photos 1-2).

J)DISCLAIMER OAR.141-090-0035 (7)(K)

“This report documents the investigation, best professional judgment and conclusions of the investigator. It is correct and complete to the best of my knowledge. It should be considered a Preliminary Jurisdictional Determination of wetlands and other waters and used at your own risk unless it has been reviewed and approved in writing by the Oregon Department of State Lands in accordance with OAR 141-090-0005 through 141-09-0055.” The aforementioned review process must be completed and the boundary concurred with prior to any detailed site planning or construction activities take place.



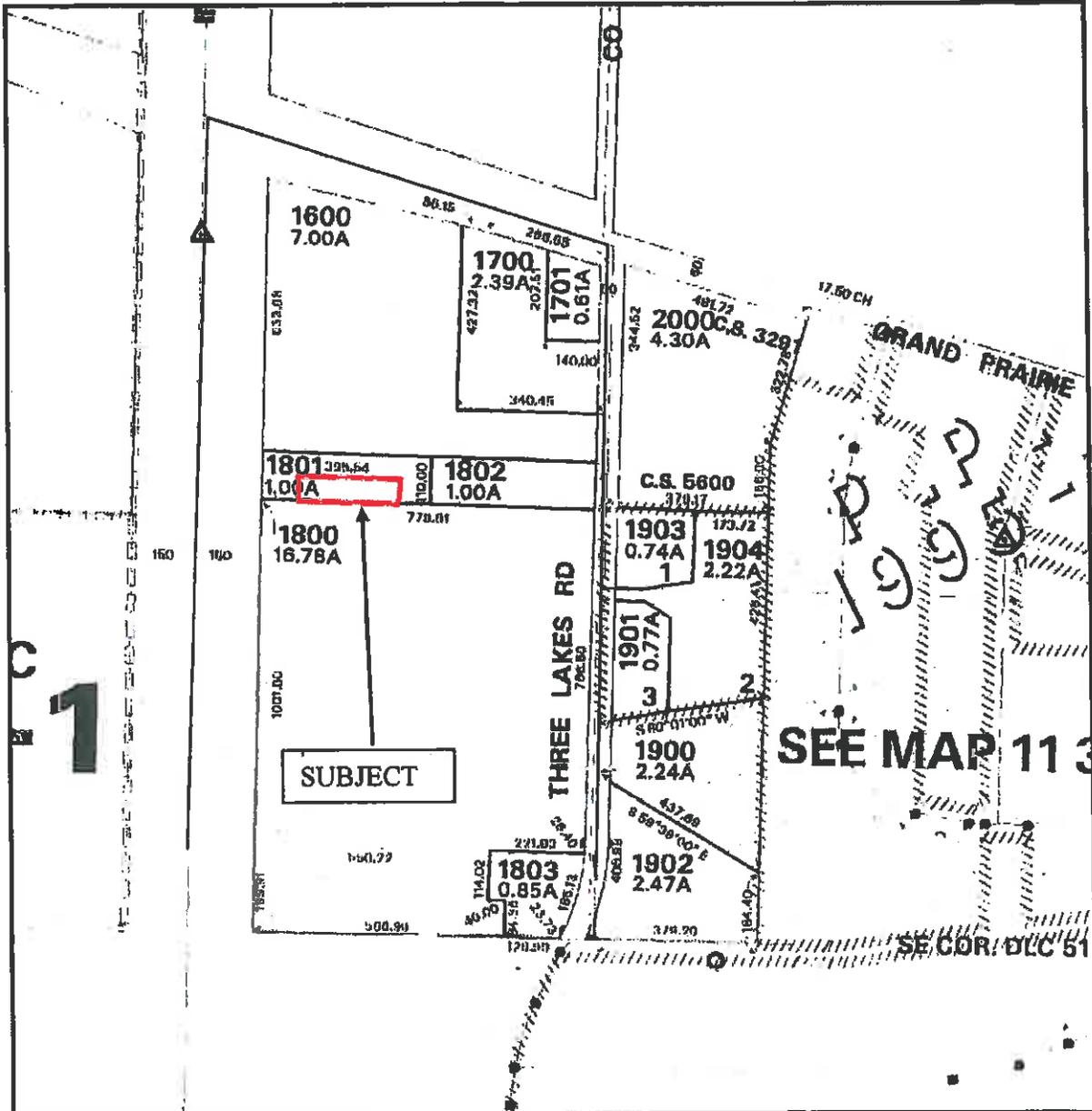
	Client: Adapt Engineering Inc. August 2010	FIGURE 1 Vicinity Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793

FIGURE 1A DRIVING DIRECTIONS

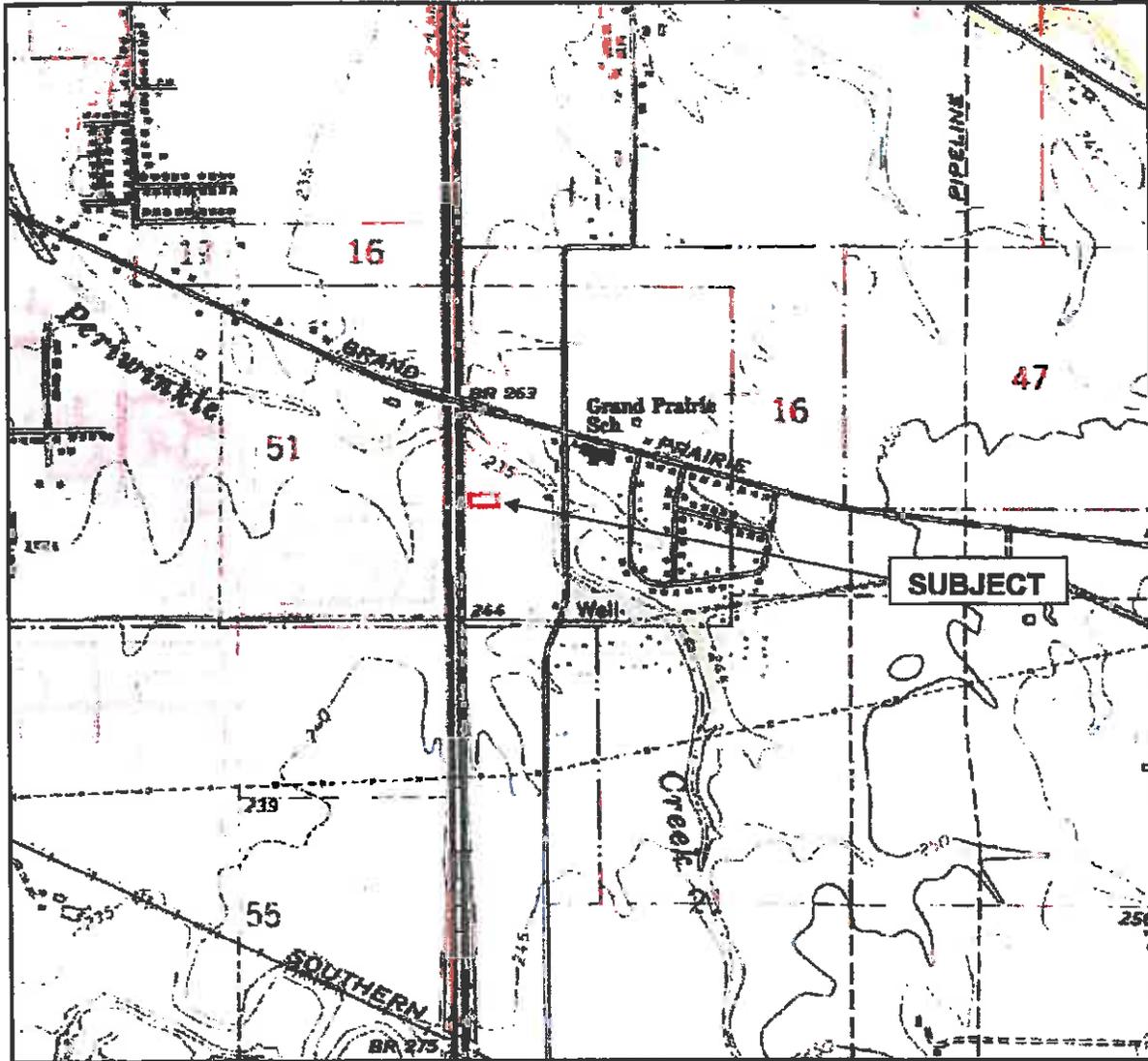
 Marion St NE & Summer St NE, Salem, OR 97301

- | | |
|---|-----------------------------|
| 1. Head south on Summer St NE toward Center St NE | go 423 ft
total 423 ft |
|  2. Turn left at Center St NE
About 2 mins | go 0.6 mi
total 0.6 mi |
|  3. Turn right at 17th St NE
About 2 mins | go 0.8 mi
total 1.4 mi |
|  4. Turn left at Mission St SE
About 4 mins | go 1.7 mi
total 3.1 mi |
|  5. Merge onto I-5 S via the ramp to Eugene
About 22 mins | go 20.8 mi
total 23.9 mi |
|  6. Take exit 233 toward Lebanon/Sweet Home | go 0.2 mi
total 24.2 mi |
|  7. Merge onto US-20 E | go 0.2 mi
total 24.3 mi |
|  8. Turn right at Spicer Dr SE | go 482 ft
total 24.4 mi |
|  9. Turn left to stay on Spicer Dr SE | go 0.2 mi
total 24.6 mi |
|  10. Turn right at 3 Lakes Rd SE
Destination will be on the right
About 4 mins | go 1.4 mi
total 26.0 mi |

 3626 3 Lakes Rd SE, Albany, OR 97322



	Client: Adapt Engineering Inc. August 2010	FIGURE 2 Tax Lot Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793

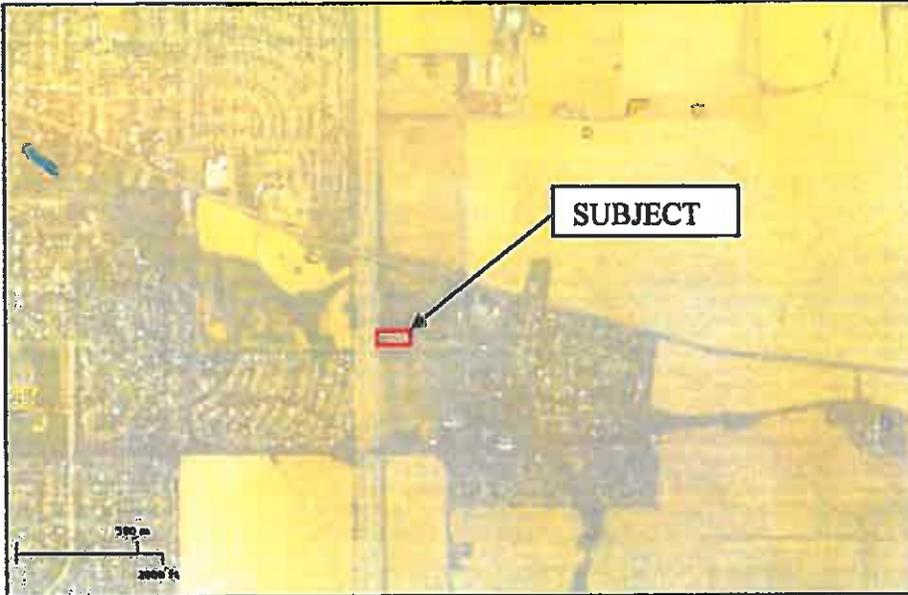


	Client: Adapt Engineering Inc. August 2010	FIGURE 3 Topography Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793



U.S. Fish and Wildlife Service
National Wetlands Inventory

Aug 18, 2010



Wetlands

- Pasture or Field
- Pasture or Field Shrub
- Estuarine and Marine Deciduous
- Estuarine and Marine
- Freshwater Pond
- Lake
- River
- Other

Status

- Digital
- Scan
- Non Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or completeness of the data shown on this map. No warranty related data should be used in accordance with the legal standards found in the Wetlands Mapper user's guide.

User Remarks:



Client: Adapt Engineering Inc.

August 2010

T11S, R3W Sec. 16 Tax Lot: 1801

Lat. & Long.: N 44.608792 W 123.061003

City of Albany
 Linn County, Oregon

FIGURE 3a

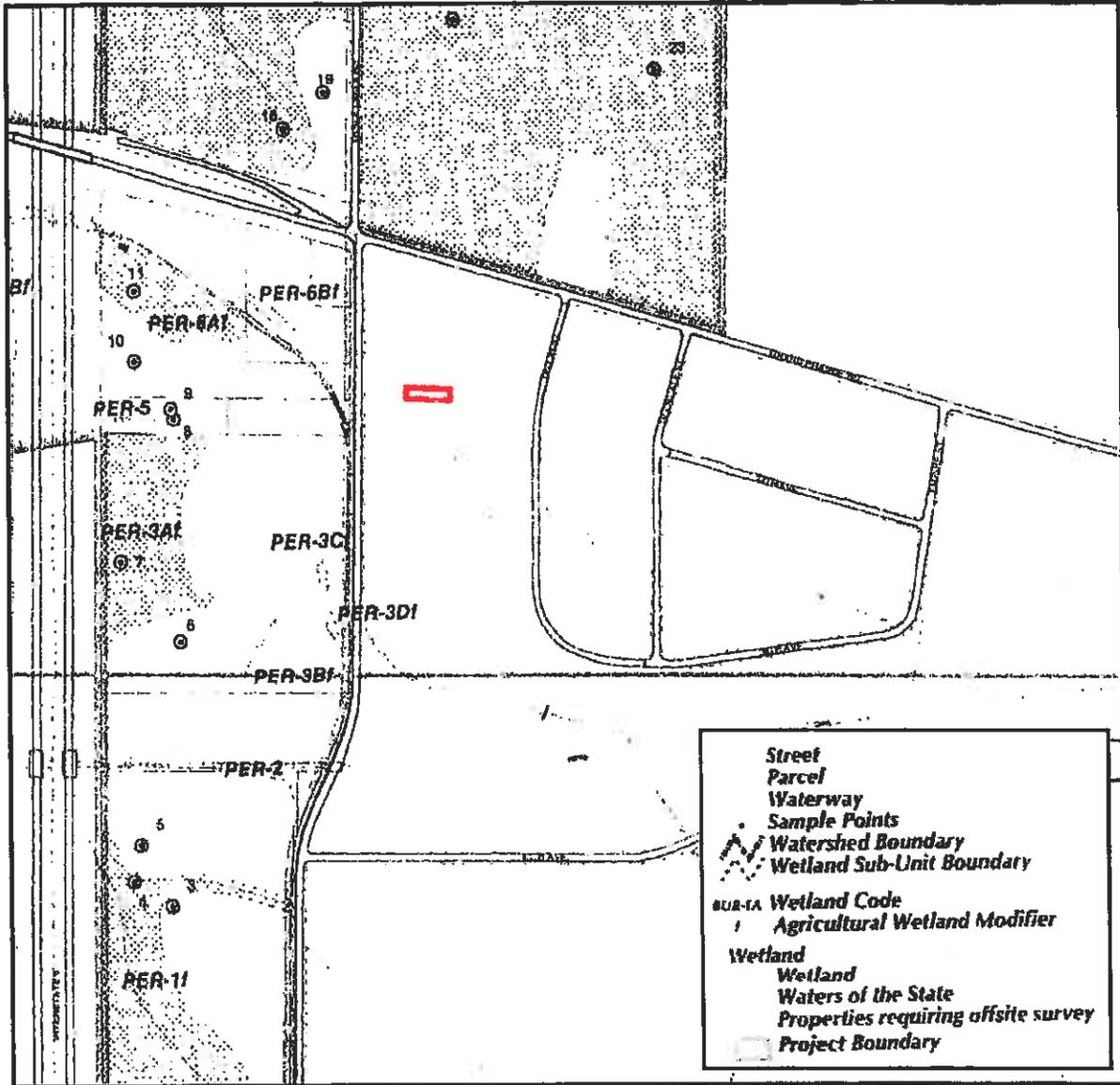
NWI Map

FERNWOOD ENVIRONMENTAL SERVICES CO.

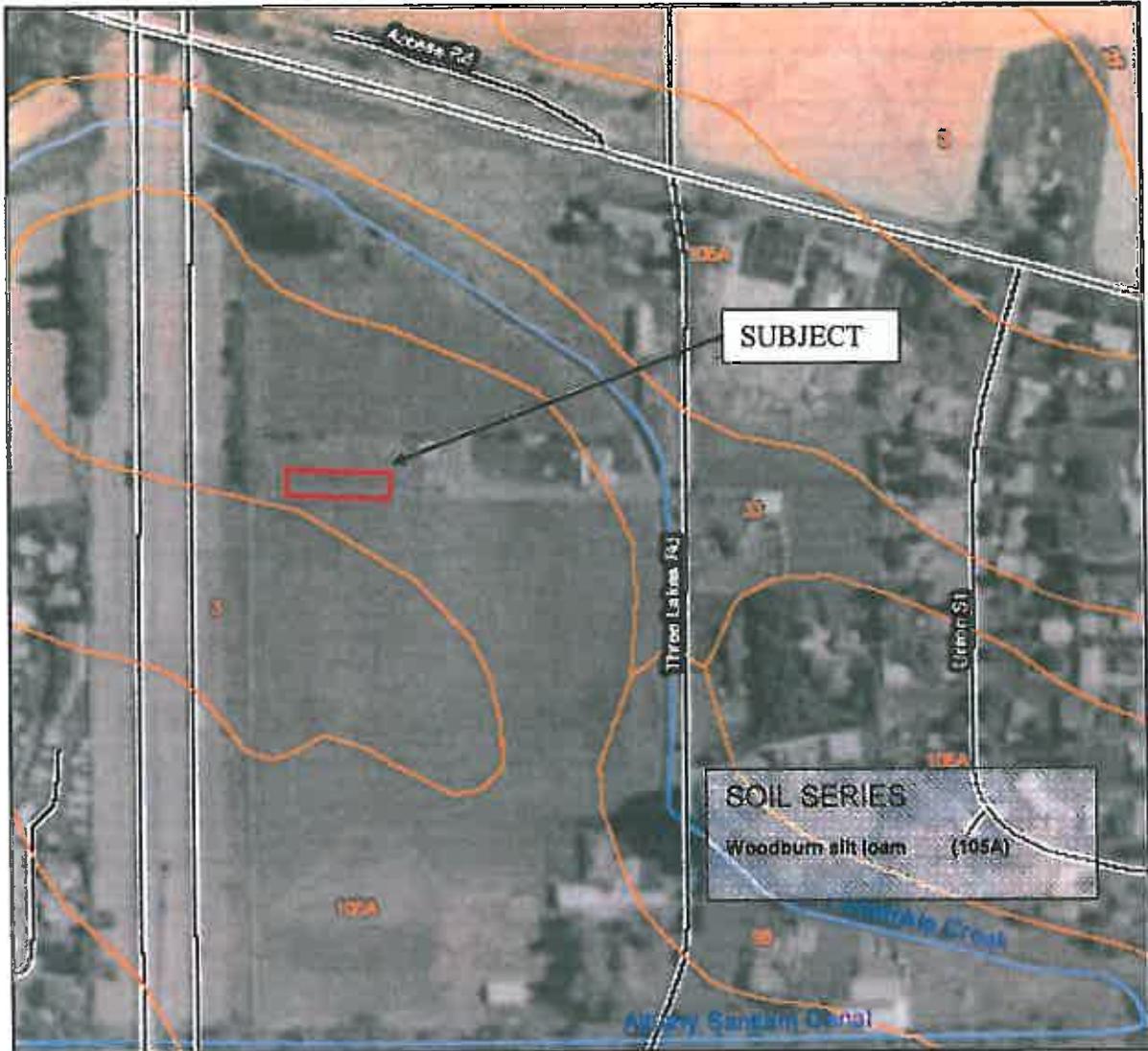
2613 12th Street SE

Salem, OR 97302

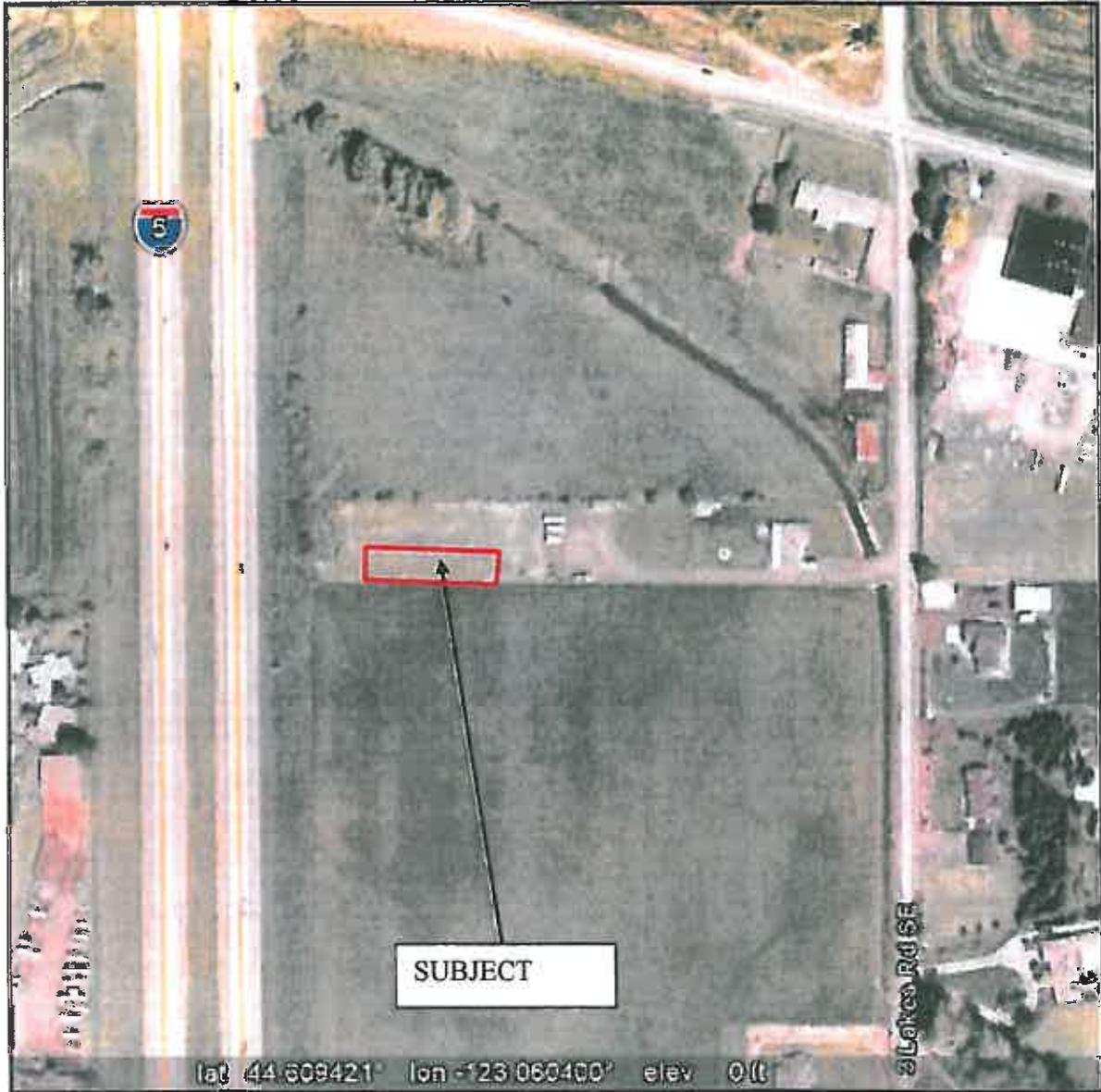
Office: (503) 581-6887 Cell: (503) 871-5793



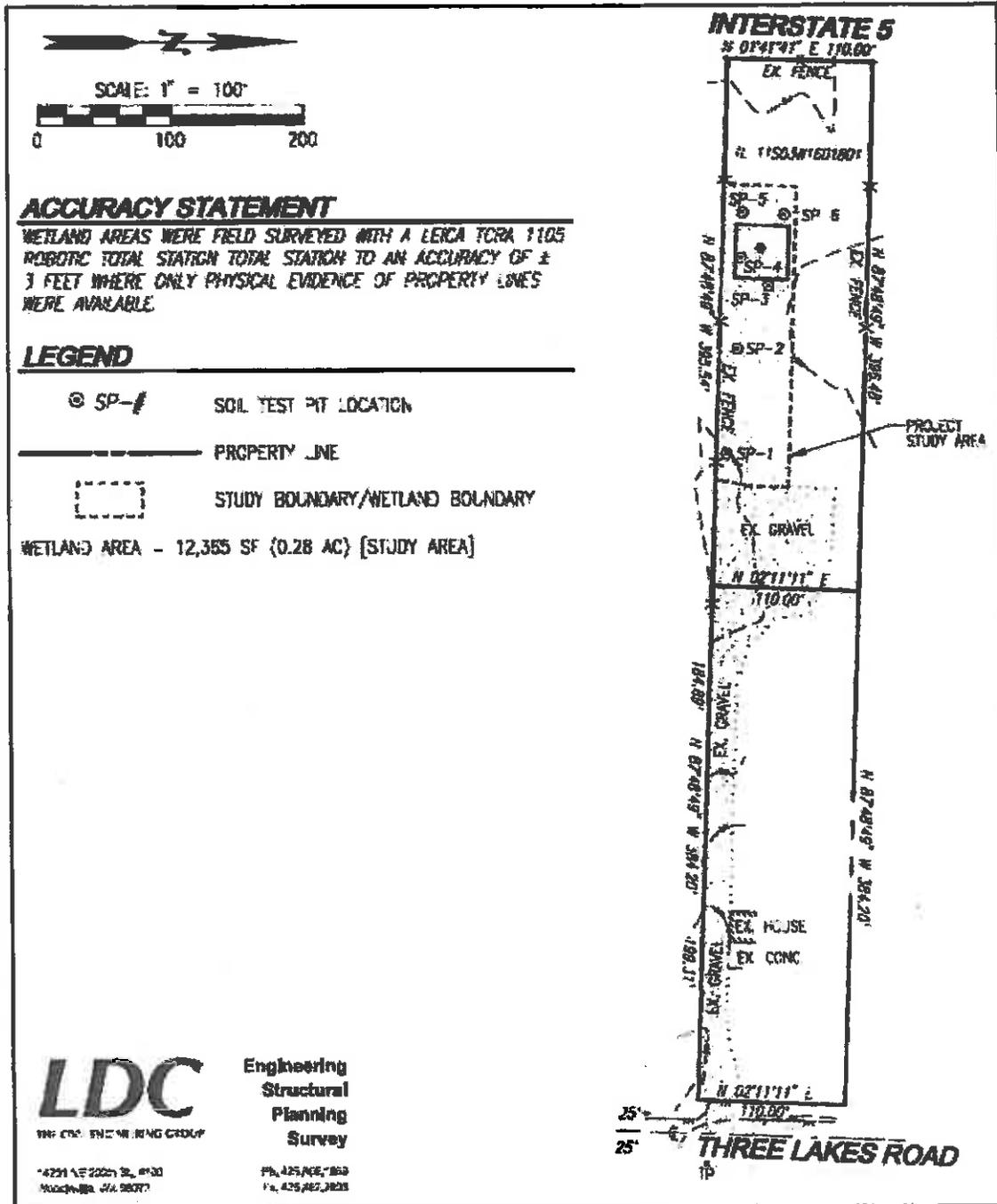
	Client: Adapt Engineering Inc. August 2010	FIGURE 3b LWI Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793



	Client: Adapt Engineering Inc. August 2010	FIGURE 4 Soils Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793



	Client: Adapt Engineering Inc. August 2010	FIGURE 5 Aerial
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793



	Client: Adapt Engineering Inc. August 2010	FIGURE 6 Wetland Site Map
	T11S, R3W Sec. 16 Tax Lot: 1801 Lat. & Long.: N 44.608792 W 123.061003 City of Albany Linn County, Oregon	FERNWOOD ENVIRONMENTAL SERVICES CO. 2613 12 th Street SE Salem, OR 97302 Office: (503) 581-6887 Cell: (503) 871-5793

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010

Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 1

Investigators(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): None Slope (%): <5%

Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27

Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)

Are vegetation , Soil , or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No

Are vegetation , Soil , or hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks:					

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet		
1 _____					Number of Dominant Species		
2 _____					That are OBL, FACW, or FAC: <u>2</u> (A)		
3 _____					Total Number of Dominant		
4 _____					Species Across All Strata: <u>3</u> (B)		
			= Total Cover		Percent of Dominant Species		
Sapling/Shrub Stratum (Plot size):					That are OBL, FACW, or FAC: <u>67%</u> (A/B)		
1 _____					Prevalence Index worksheet:		
2 _____					Total % Cover of: _____ Multiply by: _____		
3 _____					OBL species	<u>0</u> x 1 = <u>0</u>	
4 _____					FACW species	<u>10</u> x 2 = <u>20</u>	
5 _____					FAC species	<u>70</u> x 3 = <u>210</u>	
			= Total Cover		FACU species	<u>20</u> x 4 = <u>80</u>	
Herb Stratum (Plot size): <u>1MR</u>					UPL species		<u>0</u> x 5 = <u>0</u>
1 Festuca arundinacea, FAC	50	50	Y	FAC	Column Totals:	<u>100</u> (A) (B) <u>310</u>	
2 Hypochaeris radicata, FACU	20	20	Y	FACU	Prevalence Index = B/A = <u>3.1</u>		
3 Trifolium repens, FAC	20	20	Y	FAC	Hydrophytic Vegetation Indicators:		
4 Alopecurus pratensis, FACW	10	10	N	FACW	<input checked="" type="checkbox"/> Dominance Test is >50%		
5 _____					Prevalence Index is < 3.0 ¹		
6 _____					Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
7 _____					Wetland Non-Vascular Plants ¹		
8 _____					Problematic Hydrophytic Vegetation ¹ (Explain)		
9 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
10 _____					Hydrophytic Vegetation Present? Yes <u>X</u>		
11 _____					No _____		
12 _____					Remarks:		
13 _____			100 = Total Cover		FAC neutral leaf		
Woody Vine Stratum (Plot Size):							
1 _____							
2 _____							
% Bare Ground in Herb Stratum <u>0</u>							

SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features					
	Color (moist)	%	Color (moist)	%	Redox	Type	Loc	Texture
0-5"	10YR 3/2	100						Silt loam
5-16"	10YR 3/2	80	10YR 4/6	20	Common, Medium, Distinct	C	M	Silt loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.					² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)					Indicators for Problematic Hydric Soils³:			
<input type="checkbox"/> Histosol (A1)				<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)			
<input type="checkbox"/> Histic Epipedon (A2)				<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material			
<input type="checkbox"/> Black Histic (A3)				<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Other (Explain in Remarks)			
<input type="checkbox"/> Hydrogen Sulfide (A4)				<input type="checkbox"/> Loamy Gleyed Matrix (F2)	3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.			
<input type="checkbox"/> Depleted Below Dark Surface (A11)				<input type="checkbox"/> Depleted Matrix (F3)				
<input type="checkbox"/> Thick Dark Surface (A12)				<input checked="" type="checkbox"/> Redox Dark Surface (F6)				
<input type="checkbox"/> Sandy Mucky Mineral (S1)				<input type="checkbox"/> Depleted Dark Surface (F7)				
<input type="checkbox"/> Sandy Gleyed Matrix (S4)				<input type="checkbox"/> Redox Depressions (F8)				
Restrictive Layer (if present):					Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Type: _____								
Depth (inches): _____								
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Algal Mat or Crust (E4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) 0-12"	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 6"+ high
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010
 Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 2
 Investigator(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16
 Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%
 Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27
 Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are vegetation Soil or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are vegetation Soil or hydrology naturally problematic? (if needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1 _____						
2 _____					Total Number of Dominant Species Across All Strata: <u>4</u> (B)	
3 _____					Percent of Dominant Species That are OBL, FACW, or FAC: <u>75%</u> (A/B)	
4 _____					Prevalence Index worksheet:	
= Total Cover				Total % Cover of:		
Sapling/Shrub Stratum (Plot size):					Multiply by:	
1 _____					OBL species	<u>0</u> x 1 = <u>0</u>
2 _____					FACW species	<u>10</u> x 2 = <u>20</u>
3 _____					FAC species	<u>70</u> x 3 = <u>210</u>
4 _____					FACU species	<u>20</u> x 4 = <u>80</u>
5 _____					UPL species	<u>0</u> x 5 = <u>0</u>
= Total Cover				Column Totals:		<u>100</u> (A) (B) <u>310</u>
Herb Stratum (Plot size): <u>1MR</u>					Prevalence Index = B/A = <u>3.1</u>	
1 <u>Festuca arundinacea, FAC</u>	<u>20</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators:	
2 <u>Agrostis spp., FAC</u>	<u>30</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	<input checked="" type="checkbox"/> Dominance Test is >50%	
3 <u>Trifolium repens, FAC</u>	<u>20</u>	<u>20</u>	<u>Y</u>	<u>FAC</u>	<input type="checkbox"/> Prevalence Index is < 3.0 ¹	
4 <u>Hypochaeris radicata, FACU</u>	<u>20</u>	<u>20</u>	<u>Y</u>	<u>FACU</u>	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5 <u>Alopecurus pratensis, FACW</u>	<u>10</u>	<u>10</u>	<u>N</u>	<u>FACW</u>	<input type="checkbox"/> Wetland Non-Vascular Plants ¹	
6 _____					<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)	
7 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
8 _____					Hydrophytic Vegetation Present?	
9 _____						
10 _____					No _____	
11 _____						
12 _____						
13 _____						
= Total Cover						
Woody Vine Stratum (Plot Size):						
1 _____						
2 _____						
= Total Cover						
% Bare Ground in Herb Stratum <u>0</u>						
Remarks:						

FAC neutral test

SOIL

Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix			Redox Features				
	Color (moist)	%	Color (moist)	%	Redox	Type	Loc	Texture
0-8"	10YR 3/2	85	10YR 4/6	15	Common, Medium, Distinct	C	PL/M	Silt loam
8-16"	10YR 3/2	85	10YR 4/6	15	Common, Medium, Distinct	C	M	Silt loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.						² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)				Indicators for Problematic Hydric Soils ³ :				
<input type="checkbox"/> Histosol (A1)				<input type="checkbox"/> Sandy Redox (S5)			<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Histic Epipedon (A2)				<input type="checkbox"/> Stripped Matrix (S6)			<input type="checkbox"/> Red Parent Material	
<input type="checkbox"/> Black Histic (A3)				<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)			<input type="checkbox"/> Other (Explain in Remarks)	
<input type="checkbox"/> Hydrogen Sulfide (A4)				<input type="checkbox"/> Loamy Gleyed Matrix (F2)			3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
<input type="checkbox"/> Depleted Below Dark Surface (A11)				<input type="checkbox"/> Depleted Matrix (F3)				
<input type="checkbox"/> Thick Dark Surface (A12)				<input checked="" type="checkbox"/> Redox Dark Surface (F6)				
<input type="checkbox"/> Sandy Mucky Mineral (S1)				<input type="checkbox"/> Depleted Dark Surface (F7)				
<input type="checkbox"/> Sandy Gleyed Matrix (S4)				<input type="checkbox"/> Redox Depressions (F8)				
Restrictive Layer (if present):				Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
Type: _____								
Depth (inches): _____								
Remarks: Charcoal / Manganese 8"								

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"		
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C8) 0-12"	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 6"+ high
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010
 Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 3
 Investigators(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16
 Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%
 Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27
 Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are vegetation , Soil or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are vegetation , Soil or hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks:					

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:	
1 _____					Number of Dominant Species	
2 _____					That are OBL, FACW, or FAC: <u>3</u> (A)	
3 _____					Total Number of Dominant Species Across All Strata: <u>3</u> (B)	
4 _____					Percent of Dominant Species That are OBL, FACW, or FAC: <u>100%</u> (A/B)	
= Total Cover					Prevalence Index worksheet:	
Sapling/Shrub Stratum (Plot size):					Total % Cover of:	
1 _____					Multiply by:	
2 _____					OBL species	<u>0</u> x 1 = <u>0</u>
3 _____					FACW species	<u>30</u> x 2 = <u>60</u>
4 _____					FAC species	<u>60</u> x 3 = <u>180</u>
5 _____					FACU species	<u>10</u> x 4 = <u>40</u>
= Total Cover					UPL species	<u>0</u> x 5 = <u>0</u>
Herb Stratum (Plot size): <u>1MR</u>					Column Totals:	<u>100</u> (A) (B) <u>280</u>
1 Festuca arundinacea, FAC	<u>30</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	Prevalence Index = B/A = <u>2.8</u>	
2 Agrostis spp., FAC	<u>30</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators:	
3 Hypochaeris radicata, FACU	<u>10</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	<input checked="" type="checkbox"/> Dominance Test is >50%	
4 Alopecurus pratensis, FACW	<u>30</u>	<u>30</u>	<u>Y</u>	<u>FACW</u>	<input checked="" type="checkbox"/> Prevalence Index is < 3.0 ¹	
5 _____					Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
6 _____					Wetland Non-Vascular Plants ²	
7 _____					Problematic Hydrophytic Vegetation ³ (Explain)	
8 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
9 _____					Hydrophytic Vegetation Present? Yes <u>X</u>	
10 _____					No _____	
11 _____					Remarks: FAC neutral test	
12 _____						
13 _____						
= Total Cover						
Woody Vine Stratum (Plot Size):						
1 _____						
2 _____						
= Total Cover						
% Bare Ground in Herb Stratum		<u>0</u>				

SOIL

Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features					
	Color (moist)	%	Color (moist)	%	Redox	Type	Loc	Texture
0-7"	10YR 3/2	80	10YR 4/6	20	Many, Fine, Distinct	C	PL/M	Silt loam
7-16"	10YR 3/2	80	10YR 4/6	20	Common, Medium, Distinct	C	M	Silt loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.					² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)					Indicators for Problematic Hydric Soils³:			
<input type="checkbox"/> Histosol (A1)		<input type="checkbox"/> Sandy Redox (S5)		<input type="checkbox"/> 2 cm Muck (A10)				
<input type="checkbox"/> Histic Epipedon (A2)		<input type="checkbox"/> Stripped Matrix (S6)		<input type="checkbox"/> Red Parent Material				
<input type="checkbox"/> Black Histic (A3)		<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)		<input type="checkbox"/> Other (Explain in Remarks)				
<input type="checkbox"/> Hydrogen Sulfide (A4)		<input type="checkbox"/> Loamy Gleyed Matrix (F2)						
<input type="checkbox"/> Depleted Below Dark Surface (A11)		<input type="checkbox"/> Depleted Matrix (F3)						
<input type="checkbox"/> Thick Dark Surface (A12)		<input checked="" type="checkbox"/> Redox Dark Surface (F6)						
<input type="checkbox"/> Sandy Mucky Mineral (S1)		<input type="checkbox"/> Depleted Dark Surface (F7)						
<input type="checkbox"/> Sandy Gleyed Matrix (S4)		<input type="checkbox"/> Redox Depressions (F8)						
Restrictive Layer (if present):					Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Type: _____								
Depth (inches): _____								
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required, check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) 0-12"	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 6"+ high
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations:		Wetland Hydrology Present?
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010
 Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 4
 Investigator(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16
 Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, nons): Concave Slope (%): <5%
 Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27
 Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are vegetation , Soil or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are vegetation , Soil or hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks:					

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:		
1 _____					Number of Dominant Species		
2 _____					That are OBL, FACW, or FAC: <u>3</u> (A)		
3 _____					Total Number of Dominant Species Across All Strata: <u>3</u> (B)		
4 _____					Percent of Dominant Species That are OBL, FACW, or FAC: <u>100%</u> (A/B)		
= Total Cover							
Sapling/Shrub Stratum (Plot size):					Prevalence Index worksheet:		
1 _____					Total % Cover of:		
2 _____					Multiply by:		
3 _____					OBL species	<u>0</u> x 1 = <u>0</u>	
4 _____					FACW species	<u>20</u> x 2 = <u>40</u>	
5 _____					FAC species	<u>80</u> x 3 = <u>240</u>	
= Total Cover						FACU species	<u>0</u> x 4 = <u>0</u>
						UPL species	<u>0</u> x 5 = <u>0</u>
						Column Totals:	<u>100</u> (A) (B) <u>280</u>
Herb Stratum (Plot size): <u>1MR</u>					Prevalence Index = B/A = <u>2.8</u>		
1 <u>Festuca arundinacea, FAC</u>	<u>40</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators:		
2 <u>Agrostis spp., FAC</u>	<u>30</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	<input checked="" type="checkbox"/> Dominance Test is >50%		
3 <u>Alopecurus pratensis, FACW</u>	<u>20</u>	<u>20</u>	<u>Y</u>	<u>FACW</u>	<input checked="" type="checkbox"/> Prevalence Index is < 3.0 ¹		
4 <u>Trifolium repens, FAC</u>	<u>10</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
5 _____					Wetland Non-Vascular Plants ¹		
6 _____					Problematic Hydrophytic Vegetation ¹ (Explain)		
7 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
8 _____							
9 _____							
10 _____							
11 _____							
12 _____							
13 _____							
= Total Cover							
Woody Vine Stratum (Plot Size):					Hydrophytic Vegetation Present?		
1 _____					Yes	<u>X</u>	
2 _____					No	_____	
= Total Cover							
% Bare Ground in Herb Stratum <u>0</u>					FAC neutral test <input checked="" type="checkbox"/>		
Remarks:							

SOIL

Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features					
	Color (moist)	%	Color (moist)	%	Redox	Type	Loc	Texture
0-8"	10YR 3/2	80	10YR 4/6	20	Many, Medium, Distinct	C	PL/M	Silt loam
8-16"	10YR 3/2	80	10YR 4/6	20	Common, Medium, Distinct	C	M	Silt loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.					² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators: (Applicable to all LRRs, unless other wise noted.)				Indicators for Problematic Hydric Soils ³ :				
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material	<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Redox Dark Surface (F6)	<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Redox Depressions (F8)
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Depressions (F8)		<input type="checkbox"/> Sandy Gleyed Matrix (S4)					
Restrictive Layer (if present):			Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Type: _____								
Depth (Inches): _____								
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) 0-12"	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 6"+ high
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available.		
Remarks:		

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010
 Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 5
 Investigator(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16
 Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%
 Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27
 Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are vegetation Soil or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are vegetation Soil or hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1 _____					Number of Dominant Species			
2 _____					That are OBL, FACW, or FAC: <u>2</u> (A)			
3 _____					Total Number of Dominant			
4 _____					Species Across All Strata: <u>2</u> (B)			
			= Total Cover		Percent of Dominant Species			
Sapling/Shrub Stratum (Plot size):					That are OBL, FACW, or FAC: <u>100%</u> (A/B)			
1 _____					Prevalence Index worksheet:			
2 _____					Total % Cover of:			
3 _____					Multiply by:			
4 _____					OBL species	<u>0</u>	x 1 =	<u>0</u>
5 _____					FACW species	<u>0</u>	x 2 =	<u>0</u>
					FAC species	<u>90</u>	x 3 =	<u>270</u>
Herb Stratum (Plot size): <u>1MR</u>					FACU species	<u>10</u>	x 4 =	<u>40</u>
1 Trifolium repens, FAC	<u>40</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	UPL species	<u>0</u>	x 5 =	<u>0</u>
2 Festuca arundinacea, FAC	<u>40</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	Column Totals:	<u>100</u>	(A) (B)	<u>310</u>
3 Agrostis spp., FAC	<u>10</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	Prevalence Index = B/A = <u>3.1</u>			
4 Hypochaeris radicata, FACU	<u>10</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators:			
5 _____					<input checked="" type="checkbox"/> Dominance Test is >50%			
6 _____					Prevalence Index is < 3.0 ¹			
7 _____					Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
8 _____					Wetland Non-Vascular Plants ¹			
9 _____					Problematic Hydrophytic Vegetation ¹ (Explain)			
10 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
11 _____								
12 _____								
13 _____								
			100 = Total Cover		Hydrophytic Vegetation Present? Yes <u>X</u>			
Woody Vine Stratum (Plot Size):					No _____			
1 _____								
2 _____								
					FAC neutral test			
% Bare Ground in Herb Stratum <u>0</u>								
Remarks:								

SOIL

Sampling Point: 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features					
	Color (moist)	%	Color (moist)	%	Redox	Type	Loc	Texture
0-7"	10YR 3/2	80	10YR 4/6	20	Many, Medium, Distinct	C	PL/M	Silt loam
7-16"	10YR 3/2	80	10YR 4/6	20	Common, Medium, Distinct	C	M	Silt loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, GS=Covered or Coated Sand Grains.					² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)					Indicators for Problematic Hydric Soils³:			
<input type="checkbox"/> Histosol (A1)					<input type="checkbox"/> Sandy Redox (S5)			
<input type="checkbox"/> Histic Epipedon (A2)					<input type="checkbox"/> Stripped Matrix (S6)			
<input type="checkbox"/> Black Histic (A3)					<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)			
<input type="checkbox"/> Hydrogen Sulfide (A4)					<input type="checkbox"/> Loamy Gleyed Matrix (F2)			
<input type="checkbox"/> Depleted Below Dark Surface (A11)					<input type="checkbox"/> Depleted Matrix (F3)			
<input type="checkbox"/> Thick Dark Surface (A12)					<input checked="" type="checkbox"/> Redox Dark Surface (F6)			
<input type="checkbox"/> Sandy Mucky Mineral (S1)					<input type="checkbox"/> Depleted Dark Surface (F7)			
<input type="checkbox"/> Sandy Gleyed Matrix (S4)					<input type="checkbox"/> Redox Depressions (F8)			
Restrictive Layer (if present): Type: _____ Depth (inches): _____					Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Remarks:								

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) 0-12"	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 6"+ high
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
Field Observations:		
Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Co 07 Grand Prairie City/County: Albany / Linn Sampling Date: 7-14-2010
 Applicant/Owner: AT&T Mobility Corp State: Oregon Sampling Point: 6
 Investigators(s): Eric Henning Section, Township, Range: T11S, R3W, Section 16
 Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%
 Subregion (LRR): A Lat: 44.608761 Long: 123.060869 Datum: NAD 27
 Soil Map Unit Name: Woodburn silt loam NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are vegetation , Soil or hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are vegetation , Soil or hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Remarks:					

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size):	Absolute % Cover	Relative % Cover	Dominant Species?	Indicator Status	Dominance Test Worksheet:			
1 _____					Number of Dominant Species			
2 _____					That are OBL, FACW, or FAC: <u>3</u> (A)			
3 _____					Total Number of Dominant Species Across All Strata: <u>3</u> (B)			
4 _____					Percent of Dominant Species That are OBL, FACW, or FAC: <u>100%</u> (A/B)			
= Total Cover					Prevalence Index worksheet:			
Sapling/Shrub Stratum (Plot size):					Total % Cover of:			
1 _____					OBL species	<u>0</u>	x 1 =	<u>0</u>
2 _____					FACW species	<u>0</u>	x 2 =	<u>0</u>
3 _____					FAC species	<u>90</u>	x 3 =	<u>270</u>
4 _____					FACU species	<u>10</u>	x 4 =	<u>40</u>
5 _____					UPL species	<u>0</u>	x 5 =	<u>0</u>
= Total Cover					Column Totals:	<u>100</u>	(A) (B)	<u>310</u>
Herb Stratum (Plot size): <u>1MR</u>					Prevalence Index = B/A = <u>3.1</u>			
1 Festuca arundinacea, FAC	30	30	Y	FAC	Hydrophytic Vegetation Indicators:			
2 Trifolium repens, FAC	30	30	Y	FAC	<input checked="" type="checkbox"/> Dominance Test is >50%			
3 Agrostis spp., FAC	30	30	Y	FAC	<input type="checkbox"/> Prevalence Index is < 3.0 ¹			
4 Hypochaeris radicata, FACU	10	10	N	FACU	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
5 _____					<input type="checkbox"/> Wetland Non-Vascular Plants ¹			
6 _____					<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)			
7 _____					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
8 _____								
9 _____								
10 _____								
11 _____								
12 _____								
13 _____								
= Total Cover								
Woody Vine Stratum (Plot Size):								
1 _____					Hydrophytic Vegetation Present? Yes <u>X</u>			
2 _____					No _____			
= Total Cover								
% Bare Ground in Herb Stratum <u>0</u>								
Remarks:					FAC neutral test			

SOIL

Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features		Redox	Type	Loc	Texture
	Color (moist)	%	Color (moist)	%				
0-10"	10YR 3/2	80	10YR 4/6	20	Many, Medium, Distinct	C	PL/M	Silt loam
10-16"	10YR 3/2	80	10YR 4/6	20	Common, Medium, Distinct	C	M	Silt loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, GS=Covered or Coated Sand Grains. ²Location: PL=Pure Lining, M=Matrix

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	3 Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required: check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2) 0-12"	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3) 0-12"	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2) 0-12"
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1) 0-12"	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) 0-12"	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4) 0-12"	<input type="checkbox"/> Shallow Aquitard (D3) 0-24"
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) 0-12"	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) 8"+ high
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



Photo Point #1 – Located in the eastern portion of the study area looking west across the wetland area.



Photo Point #2 – Located in the northwestern portion of the study area looking southeast across the wetland area.

Climatological Report (Daily)

CLIMATE REPORT
 NATIONAL WEATHER SERVICE PORTLAND OREGON
 441 AM POT THU JUL 15 2010

.....

...THE SALEM OR CLIMATE SUMMARY FOR JULY 14 2010...

CLIMATE NORMAL PERIOD 1971 TO 2000
 CLIMATE RECORD PERIOD 1893 TO 2010

WEATHER ITEM	OBSERVED TIME VALUE	RECORD YEAR (LST) VALUE	NORMAL VALUE	DEPARTURE FROM NORMAL	LAST YEAR
.....					
TEMPERATURE (F)					
YESTERDAY					
MAXIMUM	86	524 PM 107	1935 82	4	78
MINIMUM	51	454 AM 43	1969 52	-1	48
AVERAGE	69		67	2	63
PRECIPITATION (IN)					
YESTERDAY	0.00	0.34 1964	0.02	-0.02	0.00
MONTH TO DATE	0.04		0.34	-0.30	0.68
SINCE OCT 1	42.33		37.66	4.67	26.54
SINCE JAN 1	25.56		21.78	3.78	15.94
SNOWFALL (IN)					
YESTERDAY	0.0				
MONTH TO DATE	0.0				
SINCE JUN 1	0.0				
SINCE JUL 1	0.0				
SNOW DEPTH	0				
DEGREE DAYS					
HEATING					
YESTERDAY	0		1	-1	2
MONTH TO DATE	31		22	9	19
SINCE JUN 1	184		163	21	77
SINCE JUL 1	31		22	9	19
COOLING					
YESTERDAY	4		3	1	0
MONTH TO DATE	59		36	23	36
SINCE JUN 1	70		61	9	65
SINCE JAN 1	70		68	2	85
.....					

WFO Monthly/Daily Climate Data

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SALEM OR
 MONTH: APRIL
 YEAR: 2010
 LATITUDE: 44 55 N
 LONGITUDE: 123 0 W

TEMPERATURE IN F:		:PCPN:		SNOW:		WIND		:SUNSHINE:		SKY		:PK WND							
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18	
												12Z		AVG MX		2MIN			
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR	
1	53	33	43	-5	22	0	T	M	0	5.1	22	250	M	M	6	1	30	210	
2	52	38	45	-3	20	0	0.91	M	0	14.0	33	180	M	M	8	1	47	190	
3	48	37	43	-5	22	0	0.22	M	0	11.2	25	190	M	M	8	1	35	180	
4	57	37	47	-1	18	0	0.10	M	0	9.6	25	190	M	M	6		32	180	
5	49	40	45	-4	20	0	0.23	M	0	16.4	44	180	M	M	8	1	54	170	
6	55	41	48	-1	17	0	0.13	M	0	10.3	20	190	M	M	9	1	29	320	
7	61	38	50	1	15	0	0.06	M	0	4.6	22	290	M	M	9	1	66	210	
8	52	33	43	-6	22	0	0.19	M	0	9.8	23	310	M	M	4	1	31	300	
9	56	34	45	-4	20	0	T	M	0	7.0	15	350	M	M	5		20	360	
10	65	35	50	1	15	0	0.04	M	0	7.0	14	280	M	M	3	1	22	20	
11	59	45	52	3	13	0	0.11	M	0	4.6	13	360	M	M	8	1	16	360	
12	64	45	55	6	10	0	0.02	M	0	5.7	16	280	M	M	7		22	270	
13	60	38	49	0	16	0	0.02	M	0	6.1	17	330	M	M	7		20	300	
14	64	33	49	-1	16	0	0.76	M	0	6.3	15	160	M	M	4	1	22	90	
15	62	43	53	3	12	0	0.07	M	0	4.2	12	350	M	M	4		26	130	
16	67	40	54	4	11	0	0.00	0.0	0	4.8	15	190	M	M	1		17	180	
17	66	46	56	6	9	0	0.00	0.0	0	5.6	16	260	M	M	5		21	190	
18	72	42	57	7	8	0	0.00	0.0	0	1.5	8	50	M	M	1		15	200	
19	67	48	58	8	7	0	0.07	M	0	4.3	14	280	M	M	6	1	17	270	
20	56	48	52	1	13	0	0.10	M	0	9.3	18	290	M	M	10	1	25	290	
21	57	40	49	-2	16	0	0.00	0.0	0	8.7	22	290	M	M	7		26	290	
22	61	39	50	-1	15	0	0.00	0.0	0	3.7	12	280	M	M	6		16	280	
23	67	36	52	1	13	0	T	M	0	4.2	15	190	M	M	6		18	190	
24	58	39	49	-2	16	0	T	M	0	7.7	20	250	M	M	5		26	240	
25	66	35	51	0	14	0	0.00	0.0	0	2.1	9	340	M	M	0		14	70	
26	63	45	54	2	11	0	0.69	M	0	7.8	38	180	M	M	5	1	49	180	
27	53	45	49	-3	16	0	0.44	M	0	10.9	20	220	M	M	8	1	24	220	
28	54	42	48	-4	17	0	0.14	M	0	9.2	20	180	M	M	7	1	23	240	
29	58	42	50	-2	15	0	0.04	M	0	9.2	25	300	M	M	8		31	290	
30	58	45	52	0	13	0	0.02	M	0	5.4	14	310	M	M	10	1	18	310	
SM					1780	1202		452	0	4.35		0.0	216.3		M		181		
AV		59.3	40.1							7.2		FASTST	M	M	6	MAX(MPH)			
								MISC ---->		# 44		180			# 66		210		

[TEMPERATURE DATA]

[PRECIPITATION DATA]

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 49.7
 DPTF FM NORMAL: -0.3
 HIGHEST: 72 ON 18

TOTAL FOR MONTH: 4.35
 DPTF FM NORMAL: 1.59
 GRTST 24HR 1.11 ON 26-27

1 = FOG OR MIST
 2 = FOG REDUCING VISIBILITY
 TO 1/4 MILE OR LESS

WFO Monthly/Daily Climate Data

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SALEM OR
 MONTH: MAY
 YEAR: 2010
 LATITUDE: 44 55 N
 LONGITUDE: 123 0 W

TEMPERATURE IN F:					:PCPN:		SNOW:		WIND		:SUNSHINE:			SKY		:PK WND		
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
12Z AVG MX 2MIN																		
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	61	46	54	1	11	0	T	M	0	12.2	22	290	M	M	7		28	270
2	63	46	55	2	10	0	0.00	0.0	0	8.6	21	240	M	M	9		28	240
3	55	40	48	-5	17	0	0.26	M	0	14.7	29	280	M	M	7 1		36	290
4	53	37	45	-8	20	0	0.01	M	0	6.8	18	280	M	M	7		23	280
5	54	37	46	-8	19	0	0.18	M	0	5.2	16	280	M	M	6 35		22	330
6	59	36	48	-6	17	0	0.00	0.0	0	4.6	14	350	M	M	4		20	40
7	68	40	54	0	11	0	0.00	0.0	0	4.2	15	350	M	M	3		20	340
8	69	39	54	0	11	0	0.00	0.0	0	3.5	15	310	M	M	1		18	320
9	69	39	54	0	11	0	0.04	M	0	4.2	20	280	M	M	5		24	270
10	61	46	54	-1	11	0	0.06	M	0	6.8	23	300	M	M	8		28	300
11	59	47	53	-2	12	0	0.00	0.0	0	5.5	12	290	M	M	9		15	280
12	67	47	57	2	8	0	0.00	0.0	0	3.8	12	310	M	M	5		16	20
13	74	41	58	3	7	0	0.00	0.0	0	2.8	10	310	M	M	0		15	330
14	77	43	60	5	5	0	0.00	0.0	0	3.0	12	280	M	M	0		15	320
15	74	45	60	5	5	0	0.00	0.0	0	2.3	9	260	M	M	0		M	170
16	75	52	64	8	1	0	T	0.0	0	2.7	12	250	M	M	1		15	240
17	74	52	63	7	2	0	0.33	0.0	0	5.4	20	240	M	M	7 1		24	240
18	64	50	57	1	8	0	0.14	0.0	0	8.1	20	240	M	M	8 18		28	240
19	63	47	55	-1	10	0	0.34	M	0	8.3	29	220	M	M	8 1		41	220
20	58	43	51	-5	14	0	0.37	M	0	9.1	18	150	M	M	6 1		23	180
21	52	44	48	-9	17	0	0.96	M	0	7.2	16	180	M	M	9 18		20	180
22	58	42	50	-7	15	0	0.10	M	0	8.0	17	280	M	M	8 1		24	290
23	56	41	49	-8	16	0	0.04	M	0	6.5	18	210	M	M	9		24	210
24	61	45	53	-4	12	0	0.00	0.0	0	6.1	15	200	M	M	10		20	180
25	62	50	56	-1	9	0	0.18	0.0	0	2.8	13	280	M	M	8 1		16	280
26	63	51	57	0	8	0	0.22	0.0	0	5.9	15	200	M	M	9 18		20	190
27	64	49	57	-1	8	0	T	M	0	5.8	20	270	M	M	8		24	280
28	60	45	53	-5	12	0	T	M	0	7.3	17	270	M	M	9		23	270
29	64	50	57	-1	8	0	0.00	0.0	0	5.0	20	170	M	M	9		30	330
30	70	52	61	3	4	0	0.03	0.0	0	3.5	13	250	M	M	10		16	250
31	69	53	61	3	4	0	0.21	0.0	0	7.9	15	280	M	M	7 1		22	260
SM	1976	1395			323	0	3.47		0.0	187.8			M		197			
AV	63.7	45.0								6.1	FASTST	M	M	6		MAX (MPH)		
										MISC	---->	# 29 280				# 41 220		

[TEMPERATURE DATA]

[PRECIPITATION DATA]

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 54.4
 DPTR FM NORMAL: -1.2
 HIGHEST: 77 ON 14

TOTAL FOR MONTH: 3.47
 DPTR FM NORMAL: 1.34
 GRTST 24HR 0.97 ON 21-22

1 = FOG OR MIST
 2 = FOG REDUCING VISIBILITY
 TO 1/4 MILE OR LESS

WFO Monthly/Daily Climate Data

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SALEM OR
 MONTH: JUNE
 YEAR: 2010
 LATITUDE: 44 55 N
 LONGITUDE: 123 0 W

TEMPERATURE IN F:		:PCPN:		SNOW:		WIND		:SUNSHINE:		SKY		:PK WND						
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
12Z AVG MX 2MIN																		
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	64	52	58	0	7	0	0.09	0.0	0	7.0	16	170	M	M	10	1	21	180
2	64	45	55	-4	10	0	1.03	M	0	9.5	17	230	M	M	8	1	24	220
3	59	43	51	-8	14	0	0.55	M	0	2.3	9	20	M	M	8	1	20	190
4	65	49	57	-2	8	0	0.42	M	0	5.8	14	270	M	M	8	18	18	270
5	75	46	61	2	4	0	0.00	0.0	0	4.2	10	10	M	M	3		14	350
6	66	56	61	2	4	0	0.18	0.0	0	5.2	18	230	M	M	9	1	24	220
7	71	53	62	2	3	0	0.00	0.0	0	4.0	10	300	M	M	6		M	M
8	70	50	60	0	5	0	0.09	0.0	0	5.9	15	200	M	M	3		18	200
9	62	51	57	-3	8	0	0.14	0.0	0	10.0	20	280	M	M	8	1	29	220
10	60	51	56	-4	9	0	0.06	0.0	0	8.8	18	270	M	M	9	1	23	280
11	63	51	57	-3	8	0	T	0.0	0	5.8	16	10	M	M	9		20	10
12	82	44	63	3	2	0	0.00	0.0	0	5.9	14	350	M	M	2		17	360
13	75	49	62	1	3	0	0.00	0.0	0	6.6	17	300	M	M	2		21	320
14	67	44	56	-5	9	0	0.00	0.0	0	8.4	16	300	M	M	3		20	300
15	63	48	56	-5	9	0	0.01	M	0	5.3	17	300	M	M	8		21	280
16	61	45	53	-8	12	0	0.01	M	0	4.8	15	290	M	M	9	1	20	290
17	67	51	59	-2	6	0	0.00	0.0	0	4.7	13	310	M	M	9		16	320
18	70	47	59	-3	6	0	0.00	0.0	0	5.7	14	290	M	M	7		17	310
19	67	52	60	-2	5	0	0.00	0.0	0	5.6	14	290	M	M	8		18	300
20	59	51	55	-7	10	0	0.06	0.0	0	4.0	10	130	M	M	10	18	14	290
21	71	49	60	-2	5	0	0.00	0.0	0	4.0	12	30	M	M	7		15	20
22	76	55	66	4	0	1	0.00	0.0	0	6.0	13	340	M	M	4		16	340
23	82	51	67	4	0	2	0.00	0.0	0	2.8	12	260	M	M	0		14	280
24	83	52	68	5	0	3	0.00	0.0	0	4.9	15	300	M	M	0		21	300
25	77	56	67	4	0	2	0.00	0.0	0	3.6	12	310	M	M	5		13	320
26	79	50	65	2	0	0	0.00	0.0	0	3.7	8	260	M	M	2		10	310
27	84	51	68	4	0	3	0.00	0.0	0	2.9	15	280	M	M	0		13	310
28	76	53	65	1	0	0	0.00	0.0	0	6.2	15	110	M	M	3		21	90
29	71	53	62	-2	3	0	0.00	0.0	0	7.6	18	290	M	M	7		26	320
30	73	50	62	-2	3	0	0.00	0.0	0	5.9	14	340	M	M	2		20	340
SM 2102 1498					153	11	2.64	0.0	167.1	M	169							
AV 70.1 49.9										5.6 FASTST		M	M	6	MAX(MPH)			
										MISC ---->		# 20 280			# 29 220			

[TEMPERATURE DATA] [PRECIPITATION DATA] SYMBOLS USED IN COLUMN 15

AVERAGE MONTHLY: 50.0 TOTAL FOR MONTH: 2.64 1 = FOG OR MIST
 DPTR FM NORMAL: -1.2 DPTR FM NORMAL: 1.19 2 = FOG REDUCING VISIBILITY
 HIGHEST: 84 ON 27 GRTST 24HR 1.12 ON 1- 2 TO 1/4 MILE OR LESS

WFO Monthly/Daily Climate Data

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: SALEM OR
 MONTH: JULY
 YEAR: 2010
 LATITUDE: 44 55 N
 LONGITUDE: 123 0 W

TEMPERATURE IN F:					:PCPN:			SNOW:		WIND		:SUNSHINE:			SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
12Z AVG MX 2MIN																		
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18
BY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR
1	67	52	60	-4	5	0	0.02	0.0	0	5.9	17	140	M	M	8		M	90
2	65	53	59	-6	6	0	0.02	0.0	0	7.9	17	280	M	M	9 18		M	23 280
3	71	52	62	-3	3	0	0.00	0.0	0	5.8	14	10	M	M	6		M	22 50
4	70	46	58	-7	7	0	0.00	0.0	0	4.7	14	310	M	M	5		M	24 230
5	70	53	62	-3	3	0	0.00	0.0	0	7.0	16	10	M	M	7		M	28 20
6	88	51	70	4	0	5	0.00	0.0	0	10.5	22	10	M	M	0		M	28 340
7	98	56	77	11	0	12	0.00	0.0	0	6.4	18	350	M	M	0		M	210
8	96	56	76	10	0	11	0.00	0.0	0	4.1	12	260	M	M	0		M	16 180
9	96	60	78	12	0	13	0.00	0.0	0	4.4	16	280	M	M	0		M	210
10	87	54	71	5	0	6	0.00	0.0	0	5.5	16	350	M	M	0		M	24 150
11	87	59	73	7	0	8	0.00	0.0	0	6.0	15	280	M	M	0		M	21 80
12	72	52	62	-5	3	0	0.00	0.0	0	8.1	20	20	M	M	7		M	69 220
13	73	48	61	-6	4	0	0.00	0.0	0	7.1	22	150	M	M	3		M	26 30
14	86	51	69	2	0	4	0.00	0.0	0	7.3	20	50	M	M	0		M	M
15	89	57	73	6	0	8	0.00	0.0	0	6.0	14	340	M	M	0		M	29 330
16	80	52	66	-1	0	1	0.00	0.0	0	8.2	16	340	M	M	0		M	38 80
17	79	50	65	-2	0	0	0.00	0.0	0	7.3	14	30	M	M	0		M	16 20
18	76	52	64	-3	1	0	0.00	0.0	0	5.7	13	320	M	M	4		M	29 90
19	77	51	64	-3	1	0	0.00	0.0	0	8.6	16	290	M	M	3		M	220
20	78	50	64	-3	1	0	0.00	0.0	0	6.0	14	360	M	M	3		M	15 40
21	82	49	66	-2	0	1	0.00	0.0	0	3.8	12	20	M	M	3		M	270
22	81	54	68	0	0	3	0.00	0.0	0	7.1	18	10	M	M	0		M	240
23	85	53	69	1	0	4	0.00	0.0	0	9.1	15	10	M	M	3		M	25 130
24	96	60	78	10	0	13	0.00	0.0	0	7.7	18	350	M	M	0		M	26 290
25	92	54	73	5	0	8	0.00	0.0	0	4.1	13	10	M	M	0		M	23 270
26	91	56	74	6	0	9	0.00	0.0	0	4.5	14	280	M	M	0		M	20 340
27	88	54	71	3	0	6	0.00	0.0	0	4.2	12	310	M	M	0		M	25 210
28	79	54	67	-1	0	2	0.00	0.0	0	4.5	13	280	M	M	1		M	90
29	85	52	69	1	0	4	0.00	0.0	0	4.9	13	360	M	M	0		M	250
30	82	53	68	0	0	3	0.00	0.0	0	4.2	14	290	M	M	0 3		M	20 30
31	75	50	63	-5	2	0	0.00	0.0	0	5.6	9	230	M	M	4		M	M
SM	2541	1644			36	121	0.04		0.0	192.2			M		66			
AV	82.0	53.0								6.2	FASTST		M	M	2		MAX (MPH)	
										MISC	---->	# 22 10					# 59 220	

[TEMPERATURE DATA]

[PRECIPITATION DATA]

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 67.5
 DPTR FM NORMAL: 0.7
 HIGHEST: 98 ON 7

TOTAL FOR MONTH: 0.04
 DPTR FM NORMAL: -0.53
 GRTST 24HR 0.04 ON 1- 2

1 = FOG OR MIST
 2 = FOG REDUCING VISIBILITY
 TO 1/4 MILE OR LESS

WETS Station : SALEM WSO AIRPORT, OR7500

Creation Date: 09/09/2002

Latitude: 4455

Longitude: 12300

Elevation: 00200

State FIPS/County(FIPS): 41047

County Name: Marion

Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			Precipitation (Inches)				
	avg daily max	avg daily min	avg	avg	30% chance will have		avg	avg
					less than	more than	# of days w/.1 or more	total snow fall
January	47.1	33.7	40.4	6.02	4.25	7.14	12	1.3
February	51.3	34.7	43.0	5.09	3.35	6.11	11	2.1
March	56.2	36.6	46.4	4.17	3.02	4.92	11	0.1
April	61.1	38.8	50.0	2.76	1.88	3.29	8	0.0
May	67.5	43.6	55.5	2.13	1.27	2.58	6	0.0
June	74.0	48.4	61.2	1.45	0.88	1.76	3	0.0
July	81.5	52.0	66.8	0.57	0.15	0.68	1	0.0
August	81.9	52.1	67.0	0.68	0.15	0.83	2	0.0
September	76.6	47.7	62.2	1.43	0.50	1.75	3	0.0
October	64.5	41.3	52.9	3.03	1.61	3.70	6	0.0
November	52.4	37.9	45.1	6.39	4.26	7.65	12	0.4
December	46.4	33.9	40.1	6.46	4.40	7.71	12	2.0
Annual					34.90	44.12		
Average	63.4	41.7	52.6					
Total				40.16			87	6.0

Limitations:

This report was prepared for the use of the client, its affiliates, lenders and assigns, their consultants and various governmental agencies. Any results and conclusions within this report represent our professional judgment based on the most recent information provided from publications, maps aerial photos, and field investigations as defined within the scope of services.

The final determination and acceptance of jurisdiction and concurrence with the site is the responsibility of the Oregon Department of State Lands and/or U.S. Army Corps of Engineers.

References:

Environmental Laboratory. 1987. Corps. of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, US Army Corps of Engineers Waterway Experiment Station, Vicksburg, MS.

Munsell Color. 1990, revised 1994. Munsell Soil Color Charts. Macbeth Division of Kollmorgen Corporation, Baltimore, MD.

Natural Resource Conservation Service, USDA, 1999. Hydric Soils of Oregon in cooperation with the Oregon Agricultural Experiment Station.

Natural Resource Conservation Service, USDA, 1972. Soil Survey County, Oregon, in cooperation with the Oregon Agricultural Experiment Station.

Reed, P.B. Jr. 1988. National List of Plant Species That Occur in Wetlands: Northwest (Region 9). Fish and Wildlife Service, Biological Report 88 (26.9). 89 pp.

Reed, P.B. Jr. 1993. 1993 Supplement to List of Plant Species that Occur in Wetlands: Northwest (Region 9). U.S.D.I. Fish and Wildlife Service, Supplement to Biological Report 88 (26.0). 11 pp.

1987 Corps of Engineers Wetland Delineation Manual:

Fernwood Environmental Services, Co. evaluated the site utilizing the routine on-site method for areas greater than five acres in size as described in the *U.S. Army Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory, 1987). This method requires an area to possess a prevalence of hydrophytic vegetation, hydric soils, and wetland hydrology. Under normal circumstances, positive indicators of these three parameters must be present for an area to satisfy the criteria for jurisdictional wetlands.

Data sheets were completed at each sample plot documenting the vegetation, soils, and hydrology. The 1993 supplement List of Plant Species that Occur in Wetlands, Northwest (Region 9) was utilized to determine the facultative status of the vegetation. Soils were evaluated by hand excavating holes to a depth ranging from 0 to 16 inches. Soils were examined for Munsell moist color, texture and presence/absence of redoximorphic features. Areas in which wetland hydrology, hydric soils, and hydrophytic vegetation were all simultaneously present would likely be considered wetlands by the U.S. Army Corps of Engineers (ACOE) or Oregon Department of State Lands (DSL). This review included the U.S. Geological Survey (USGS) topographic quadrangle, the Natural Resource Conservation Service soil series maps, the list of Oregon hydric soils by County, and the U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) map by quadrangle.

APPENDIX K

REMOVAL/FILL PERMITTING AND DOCUMENTATION

Department of State Lands
775 Summer Street, Suite 100
Salem, OR 97301-1279
☎ 503-986-5200

COPY

Permit No.:	<u>46538-RF</u>
Permit Type:	<u>Removal/Fill</u>
Waterway:	<u>Wetland</u>
County:	<u>Linn</u>
Expiration Date:	<u>September 28, 2013</u>

AT&T MOBILITY

IS AUTHORIZED IN ACCORDANCE WITH ORS 196.800 TO 196.990 TO PERFORM THE OPERATIONS DESCRIBED IN THE ATTACHED COPY OF THE APPLICATION, SUBJECT TO THE SPECIAL CONDITIONS LISTED ON ATTACHMENT A AND TO THE FOLLOWING GENERAL CONDITIONS:

1. This permit does not authorize trespass on the lands of others. The permit holder shall obtain all necessary access permits or rights-of-way before entering lands owned by another. For new linear facility projects, the removal-fill activity cannot occur until the permit holder obtains either the landowner's consent, a right, title or interest with respect to the property that is sufficient to undertake the removal or fill activity, or a court order or judgment authorizing the use of the property.
2. This permit does not authorize any work that is not in compliance with local zoning or other local, state, or federal regulation pertaining to the operations authorized by this permit. The permit holder is responsible for obtaining the necessary approvals and permits before proceeding under this permit.
3. All work done under this permit must comply with Oregon Administrative Rules, Chapter 340; Standards of Quality for Public Waters of Oregon. Specific water quality provisions for this project are set forth on Attachment A.
4. Violations of the terms and conditions of this permit are subject to administrative and/or legal action, which may result in revocation of the permit or damages. The permit holder is responsible for the activities of all contractors or other operators involved in work done at the site or under this permit.
5. Employees of the Department of State Lands and all duly authorized representatives of the Director shall be permitted access to the project area at all reasonable times for the purpose of inspecting work performed under this permit.
6. Any permit holder who objects to the conditions of this permit may request a hearing from the Director, in writing, within twenty-one (21) calendar days of the date this permit was issued.
7. In issuing this permit, the Department of State Lands makes no representation regarding the quality or adequacy of the permitted project design, materials, construction, or maintenance, except to approve the project's design and materials, as set forth in the permit application, as satisfying the resource protection, scenic, safety, recreation, and public access requirements of ORS Chapters 196, 390, and related administrative rules.
8. Permittee shall defend and hold harmless the State of Oregon, and its officers, agents, and employees from any claim, suit, or action for property damage or personal injury or death arising out of the design, material, construction, or maintenance of the permitted improvements.
9. Authorization from the U.S. Army Corps of Engineers may also be required.

NOTICE: If removal is from state-owned submerged and submersible land, the applicant must comply with leasing and royalty provisions of ORS 274.530. If the project involves creation of new lands by filling on state-owned submerged or submersible lands, you must comply with ORS 274.905 to 274.940. This permit does not relieve the permittee of an obligation to secure appropriate leases from the Department of State Lands, to conduct activities on state-owned submerged or submersible lands. Failure to comply with these requirements may result in civil or criminal liability. For more information about these requirements, please contact the Department of State Lands, 503-986-5200.

Eric Metz, Southern Region Manager
Wetlands & Waterways Conservation Div.
Oregon Department of State Lands



Authorized Signature

September 28, 2012

Date Issued

ATTACHMENT A

Permit Holder: AT&T Mobility

Project Name: Cell Tower 3626 Three Lakes Road SE, Albany, OR

Special Conditions for Removal/Fill Permit No. 46538-RF

READ AND BECOME FAMILIAR WITH CONDITIONS OF YOUR PERMIT.

The project site may be inspected by the Department of State Lands (DSL) as part of our monitoring program. DSL has the right to stop or modify the project at any time if you are not in compliance with these conditions. A copy of this permit shall be available at the work site whenever authorized operations are being conducted.

1. **Responsible Party:** By signature on the application, Brandon Olsen is acting as the representative of AT&T Mobility (Business Entity). By proceeding under this permit, AT&T Mobility (Business Entity) agrees to comply with and fulfill all terms and conditions of this permit, unless the permit is officially transferred to another party as approved by DSL.
2. **Authorization to Conduct Removal and/or Fill:** This permit authorizes the placement of up to 145 cubic yards and removal of up to 145 cubic yards of material in T.11S R.03W S.16, Tax Lot 1801, Wetlands, Linn County, as described in the attached permit application, map and drawings, received February 10, 2012. In the event information in the application conflicts with these permit conditions, the permit conditions prevail.
3. **Changes to the Project or Inconsistent Requirements from Other Permits:** It is the permittee's responsibility to ensure that all state, federal and local permits are consistent and compatible with the final approved project plans and the project as executed. Any changes made in project design, implementation and/or operating conditions to comply with conditions imposed by other permits must be approved by DSL prior to implementation.
4. **DSL May Halt or Modify:** DSL retains the authority to temporarily halt or modify the project in case of unforeseen damage to natural resources.
5. **DSL May Modify Conditions Upon Permit Renewal:** DSL retains the authority to modify conditions upon renewal, as appropriate, pursuant to the applicable rules in effect at the time of the request for renewal or to protect waters of this state.

Pre-Construction

6. **Local Government Approval Required Before Beginning Work:** Issuance of this permit is contingent upon acquisition of a Conditional Use Permit from the Linn County.
7. **Stormwater Management Approval Required Before Beginning Work:** Issuance of the permit is contingent upon acquisition of a National Pollution Discharge Elimination System (NPDES) permit from the Oregon Department of Environmental Quality, if required by that agency.

8. **Pre-construction Resource Area Flagging:** Before any site grading, the surveyed boundaries of the avoided wetlands shall be surrounded by bright orange construction fencing, which shall be maintained during construction of the project and removed immediately upon completion. There shall be no heavy equipment within fenced areas.

General Construction Conditions

9. **Water Quality Certification:** The Department of Environmental Quality (DEQ) may evaluate this project for a Clean Water Act Section 401 Water Quality Certification (WQC). If the evaluation results in issuance of a Section 401 WQC, that turbidity condition will govern any allowable turbidity exceedance and monitoring requirements.
10. **Erosion Control Methods:** The following erosion control measures (and others as appropriate) shall be installed prior to construction and maintained during and after construction as appropriate, to prevent erosion and minimize movement of soil into waters of this state.
 - a. All exposed soils shall be stabilized during and after construction in order to prevent erosion and sedimentation.
 - b. Filter bags, sediment fences, sediment traps or catch basins, leave strips or berms, or other measures shall be used to prevent movement of soil into waterways and wetlands.
 - c. To prevent erosion, use of compost berms, impervious materials or other equally effective methods, shall be used to protect soil stockpiled during rain events or when the stockpile site is not moved or reshaped for more than 48 hours.
 - d. Unless part of the authorized permanent fill, all construction access points through, and staging areas in, riparian and wetland areas shall use removable pads or mats to prevent soil compaction. However, in some wetland areas under dry summer conditions, this requirement may be waived upon approval by DSL. At project completion, disturbed areas with soil exposed by construction activities shall be stabilized by mulching and native vegetative plantings/seeding. Sterile grass may be used instead of native vegetation for temporary sediment control. If soils are to remain exposed more than seven days after completion of the permitted work, they shall be covered with erosion control pads, mats or similar erosion control devices until vegetative stabilization is installed.
 - e. Where vegetation is used for erosion control on slopes steeper than 2:1, a tackified seed mulch shall be used so the seed does not wash away before germination and rooting.
 - f. Dredged or other excavated material shall be placed on upland areas having stable slopes and shall be prevented from eroding back into waterways and wetlands.
 - g. Erosion control measures shall be inspected and maintained as necessary to ensure their continued effectiveness until soils become stabilized.
 - h. All erosion control structures shall be removed when the project is complete and soils are stabilized and vegetated.
11. **Hazardous, Toxic, and Waste Material Handling:** Petroleum products, chemicals, fresh cement, sandblasted material and chipped paint, wood treated with leachable preservatives or other deleterious waste materials shall not be allowed to enter waters of this state. Machinery

refueling is to occur at least 150 feet from waters of this state and confined in a designated area to prevent spillage into waters of this state. Barges shall have containment system to effectively prevent petroleum products or other deleterious material from entering waters of this state. Project-related spills into waters of this state or onto land with a potential to enter waters of this state shall be reported to the Oregon Emergency Response System (OERS) at 1-800-452-0311.

12. **Federally Listed Endangered or Threatened Species:** When listed species are present, the authorization holder must comply with the Federal Endangered Species Act. If previously unknown listed species are encountered during construction, all construction activity shall immediately cease and the permit holder must contact DSL.
13. **Archaeological Resources:** If any archaeological resources and/or artifacts are encountered during construction, all construction activity shall immediately cease. The State Historic Preservation Office shall be contacted (phone: 503-986-0674).
14. **Hazards to Recreation, Navigation or Fishing:** The activity shall be timed so as not to interfere with or create a hazard to recreational or commercial navigation or fishing.
15. **Construction Corridor:** There shall be no removal of vegetation or heavy equipment operating or traversing outside the designated construction corridor or footprint (Figure 6 Site Plan).

Mitigation

16. **Mitigation Bank Credit Purchase:** Mitigation for the unavoidable loss of 0.09 acres of PEM / Flat wetland has been accomplished via purchase of 0.09 credits from the Evergreen Wetland Mitigation Bank, per the proof of purchase dated September 6, 2012.

Issued: September 28, 2012



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, PORTLAND DISTRICT
EUGENE FIELD OFFICE
1600 EXECUTIVE PARKWAY, SUITE 210
EUGENE, OREGON 97401-2156

REPLY TO
ATTENTION OF:

March 22, 2011

Operations Division
Regulatory Branch
Corps No. NWP-2011-92

Ms. Geri Roper
AT & T Mobility Corporation
19801 SW 72nd Avenue #200
Tualatin, Oregon 97602-8344

Dear Ms. Roper:

The U.S. Army Corps of Engineers (Corps) received AT & T Mobility Corporation's (AT&T) request for Department of Army (DA) authorization to install a cell tower, gravel pad, and a gravel access road with a turn-around within 0.089-acre of wetlands adjacent to Periwinkle Creek. AT&T's project has been assigned Corps No. NWP-2011-92. Please refer to this number in all future correspondence.

The proposed work may be authorized by Nationwide Permit (NWP) No. 12 (Utility Lines). We will need the following additional information to complete our evaluation (*please note all drawings should be clear and legible and printed in black and white on 8.5 by 11 inch paper*).

NWP 12 authorizes the construction, maintenance or expansion of substation facilities associated with a power line or utility line, including communications lines in nontidal waters of the United States provided the activity in combination with all other activities included in a single and complete project does not result in the loss of more than 0.5-acre of jurisdictional waters. The NWP authorization includes construction or maintenance for foundations for utility line towers, poles and anchors in all waters of the United States provided the foundations are the minimum size necessary and separate footings are used for each tower leg, where feasible. Access roads must be as close as possible to at-grade elevation and must be constructed in such a way so the length of the road minimizes any adverse effects to waters of the United States. If roads are to be constructed above grade, they must be culverted or bridges to minimize aquatic impacts.

a. Provide scaled plan view drawings showing the location of the proposed cell tower, access road, and shelter relative to the subject property boundaries. Please include a description as to how the cell tower will be constructed. Describe the overall length of the proposed access road. To comply with the requirements of the NWP, if the tower will not meet the above description, please include a justification as to why this is not feasible.

b. If the project includes installation of utility lines in waters of the United States, please show the location of such lines on the scaled plan view drawing and provide a scaled cross sectional drawing showing the depth and method of installation.

Before authorizing work under our statutory authorities, the Corps must ensure a project complies with other applicable Federal laws and regulations such as the Endangered Species Act (ESA) and Cultural Resources laws. All actions will be coordinated with the appropriate Native American Tribes. Dependent upon the location and nature of the project and its potential to affect protected species, the Corps will coordinate with the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (USFWS) under ESA. In most instances, the Corps will coordinate directly with those agencies, but we may require additional information from AT&T to complete the coordination and consultation.

c. Linn County supports federally-listed plant species including Willamette Daisy, Kincaid's lupine and Bradshaw's lomatium, as well as Nelson's checkermallow. If a survey of the area has been completed during the appropriate bloom times for these species, please provide a copy for our review.

Certifications issued by the Oregon Department of Environmental Quality (DEQ) and the Oregon Department of Land Conservation and Development (DLCD) under Section 401 of the Clean Water Act and the Coastal Zone Management Act respectively may also be required.

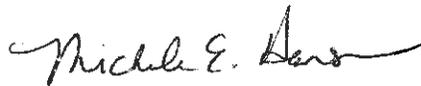
The water quality certification for the general permit under which we are evaluating AT&T's project requires all permanent access roads constructed in wetlands or other waters to be located at the narrowest or least sensitive portion of the wetland. Utility lines installed in wetlands must include trench blockers to prevent preferential flows from draining a wetland. Please contact Ms. Diana Adams at DEQ at 2020 SW Fourth Avenue, Suite 400 Portland, Oregon 97201-4953 for additional information. Ms. Adams may be reached by telephone at (503) 229-5051 or via email at adams.diana@deq.state.or.us. Information regarding the 401 certification process may be obtained at the following website: <http://www.deq.state.or.us/wq/sec401cert/sec401cert.htm>

We have prepared a Preliminary Jurisdictional Determination (JD), which is a written indication that wetlands and waterways within AT&T's project area may be waters of the United States (Enclosure). Such waters will be treated as jurisdictional waters of the United States for purposes of computation of impacts and compensatory mitigation requirements. If AT&T concurs with the findings of the Preliminary JD, please sign it and return it to the letterhead address within two weeks. If AT&T believes the Preliminary JD is inaccurate, an Approved JD may be requested, which is an official determination regarding the presence or absence of waters of the United States. If one is requested, AT&T will receive an Approved JD when the permit decision has been made by the Corps.

Working before obtaining a DA permit is a violation of Federal laws. Receipt of a permit from the Oregon Department of State Lands does not obviate the requirement for obtaining a DA permit prior to commencing the proposed work.

Once the requested information is received, we will continue to process and evaluate AT&T's application. If AT&T has any questions regarding their application, please contact Michele E. Hanson at the letterhead address, by telephone at (541) 465-6878, or email Michele.e.hanson@usace.army.mil.

Sincerely,



Michele E. Hanson
Project Manager
Regulatory Branch

Enclosure

Copy Furnished:

Oregon Department of State Lands (Kiryuta)
Oregon Department of Environmental Quality (Adams)
Fernwood Environmental Services Co. (Rotsolk)



US Army Corps
of Engineers
Portland District

Nationwide (NWP) Regional Permit Conditions Portland District

The following Nationwide Permit (NWP) regional conditions are for the Portland District Regulatory Branch boundary. Regional conditions are placed on NWPs to ensure projects result in less than minimal adverse impacts to the aquatic environment and to address local resource concerns.

ALL NWPs –

1. **High Value Aquatic Resources:** Except for NWPs 3, 20, 27, 32, 38, 47 and 48, any activity that would result in a loss of waters of the United States (U.S.) in a high value aquatic resource is not authorized by NWP. High value aquatic resources in Oregon include bogs, fens, wetlands in dunal systems along the Oregon coast, eel grass beds, vernal pools, aspen-dominated wetlands, alkali wetlands, and Willamette Valley wet prairie wetlands.

- Ø Willamette Valley wet prairie wetlands are characterized by high species diversity with a dominance of cespitose graminoids such as tufted hairgrass (*Deschampsia caespitosa*). Plant species associated with Willamette Valley wet prairie wetlands may also include ESA-listed plants such as Bradshaw's lomatium (*Lomatium bradshawii*), Willamette daisy (*Erigeron decumbens* var. *decumbens*), Nelson's checkermallow (*Sidalcea nelsoniana*) and rough popcorn flower (*Plagiobothrys hirtus*). Soil series associated with Willamette Valley wet prairie wetlands may include, but are not limited to, the Dayton, Amity, Bashaw, Natroy, and Waldo series.

2. **In-water Work Window:** All in-water work shall be conducted during the listed in-water work window, as applicable (refer to Oregon Department of Fish and Wildlife (ODFW) "Oregon Guidelines for Timing of In-Water Work to Protect Fish and Wildlife Resources" http://www.dfw.state.or.us/lands/inwater/inwater_guide.pdf).

3. **Cultural Resources and Human Burials-Inadvertent Discovery Plan:** Permittees shall immediately cease all ground disturbing activities and notify the Portland District Regulatory Branch if at any time during the course of the work authorized, human burials, cultural items, or historic properties, as identified by the National Historic Preservation Act and Native American Graves and Repatriation Act, are discovered and/or may be affected. The Permittee shall follow the procedures outlined below:

- Immediately cease all ground disturbing activities.
- Notify the Portland District Regulatory Branch. Notification shall be made by fax (503-808-4375) as soon as possible following discovery but in no case later than 24 hours. The fax shall clearly specify the purpose is to report a cultural resource discovery.
- Follow up the fax notification by contacting the Corps representative (by email and telephone) identified in the permit letter.
- Project Located in Oregon: Notify the Oregon State Historic Preservation Office (503-986-0674).
- Project Located in Washington: Notify the Washington Department of Archaeology and Historic Preservation (360 586-3077).

Failure to stop work immediately and until such time as the Corps has coordinated with all appropriate agencies and complied with the provisions of 33 CFR 325, Appendix C, the National Historic Preservation Act, Native American Graves and Repatriation Act and other pertinent regulations, could result in violation of state and federal laws. Violators are subject to civil and criminal penalties.



US Army Corps
of Engineers
Portland District

Nationwide (NWP) Permit Conditions

33 CFR Part 330;
Issuance of Nationwide
Permits – March 12, 2007

C. General Conditions

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as appropriate, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of the Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for any NWP.

1. Navigation.

(a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittees' expense on authorized facilities in navigable waters of the United States.

(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure of work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle of movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. Culverts placed in streams must be installed to maintain low flow conditions.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas: Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWP's 4 and 48.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flows must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization and stormwater management activities, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters, if it benefits the aquatic environment (e.g., stream restoration or relocation activities.)

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

(b) Federal permittees should follow their own procedures for complying with the requirements of Section 106 of the National Historic Preservation Act. Federal permittees must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the authorized activity may have the potential to cause effects to any historic properties listed, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of or potential for the presence of historic resources can be sought from the State Historic Preservation Office or Tribal Historic Preservation Officer, as appropriate, and the National Register of Historic Places (see 33 CFR.4 (g)). The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts, which may include background research, consultation, oral history interviews, sample field investigation, and field survey. Based on the information submitted and these efforts, the district engineer shall determine whether the proposed activity has the potential to cause an effect on the historic properties. Where the non-Federal applicant has identified historic properties which the activity may have the potential to cause effects and so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects or that consultation under Section 106 of the NHPA has been completed.

(d) The district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA Section 106 consultation is required. Section 106 consultation is not required when the Corps determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3 (a)). If NHPA Section 106 consultation is required and will occur, the district engineer will notify the non-Federal applicant that he or she cannot begin work until Section 106 consultation is completed.

(e) Prospective permittees should be aware that Section 110k of the NHPA (16 U.S.C. 470h-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit

would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify ACHP and provide documentation specifying the circumstances, explaining the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

19. Designated Critical Resource Waters. Critical resource waters include, NOAA-designated marine sanctuaries, National Estuarine Research Reserves, state natural heritage sites, and outstanding national resource waters or other waters officially designated by a state as having particular environmental or ecological significance and identified by the district engineer after notice and opportunity for public comment. The district engineer may also designate additional critical resource waters after notice and opportunity for comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWP 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, and 50 for any activity within, or directly affecting critical resource waters, including wetlands adjacent to such waters.

(b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, and 38, notification is required in accordance with General Condition 27, for any activity proposed in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after it is determined that the impacts to the critical resource waters will be no more than minimal.

20. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that adverse effects on the aquatic environment are minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

25. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

“When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.”

(Transferee)

(Date)

26. Compliance Certification. Each permittee who received an NWP verification from the Corps must submit a signed certification regarding the completed work and any required mitigation. The certification form must be forwarded by the Corps with the NWP verification letter and will include:

- (a) A statement that the authorized work was done in accordance with the NWP authorization, including any general or specific conditions;
- (b) A statement that any required mitigation was completed in accordance with the permit conditions; and
- (c) The signature of the permittee certifying the completion of the work and mitigation.

27. Pre-Construction Notification.

(a) *Timing.* Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the receipt and, as a general rule, will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity:

(1) Until notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) If 45 calendar days have passed from the district’s receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to General Condition 17 that listed species or critical habitat might be affected or in the vicinity of the project, or to notify the Corps pursuant to General Condition 18 that the activity may have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that is “no effect” on listed species or “no potential to cause effects” on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see CFR 330.4(f)) and/or Section 106 of the National Historic Preservation (see CFR 330.4(g)) is completed. Also, work cannot begin under NWPs 21, 49, or 50 until the permittee has received written approval from the Corps. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee cannot begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee’s right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) *Contents of Pre-Construction Notification:* The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed project;

(3) A description of the proposed project; the project’s purpose; direct and indirect adverse environmental effects the project would cause; any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. The description should be sufficiently detailed to allow the district engineer to determine that the adverse effects of the project will be minimal and to determine the need for compensatory mitigation. Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the project and when provided result in a quicker decision);

and will result in a loss of greater than 1/10-acre of wetlands, the prospective permittee should submit a mitigation proposal with the PCN. Applicants may also propose compensatory mitigation for projects with smaller impacts. The district engineer will consider any proposed compensatory mitigation the applicant has included in the proposal in determining whether the net adverse environmental effects to the aquatic environment of the proposed work are minimal. The compensatory mitigation proposal may be either conceptual or detailed. If the district engineer determines that the activity complies with the terms and conditions of the NWP and that the adverse effects on the aquatic environment are minimal, after considering mitigation, the district engineer will notify the permittee and include any conditions the district engineer deems necessary. The district engineer must approve any compensatory mitigation proposal before the permittee commences work. If the prospective permittee elects to submit a compensatory mitigation plan with the PCN, the district engineer will expeditiously review the proposed compensatory mitigation plan. The district engineer must review the plan within 45 calendar days of receiving a complete PCN and determine whether the proposed mitigation would ensure no more than minimal adverse effects on the aquatic environment. If the net adverse effects of the project on the aquatic environment (after consideration of the compensatory mitigation proposal) are determined by the district engineer to be minimal, the district engineer will provide a timely written response to the applicant. The response will state that the project can proceed under the terms and conditions of the NWP.

If the district engineer determines that the adverse effects of the proposed work are more than minimal, then the district engineer will notify the applicant either:

- (1) That the project does not qualify for authorization under NWP and instruct the applicant on the procedures to seek authorization under an individual permit;
- (2) that the project is authorized under the NWP subject to the applicant's submission of a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level; or

(3) that the project is authorized under the NWP with specific modifications or conditions. Where the district engineer determines that mitigation is required to ensure no more than minimal adverse effects occur to the aquatic environment, the activity will be authorized within the 45-day PCN period. The authorization will include the necessary conceptual or specific mitigation or a requirement that the applicant submit a mitigation plan that would reduce the adverse effects on the aquatic environment to the minimal level. When mitigation is required, no work in waters of the United States may occur until the district engineer has approved a specific mitigation plan.

28. Single and Complete Project: The activity must be a single and complete project. The same NWP cannot be used more than once for the single and complete project.

E. Definitions

Best management Practices (BMPs): Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development. BMPs are categories as structural and non-structural.

Compensatory mitigation: The restoration, establishment (creation), enhancement, or preservation of aquatic resources for the purpose of compensating for unavoidable adverse impacts which remain after all appropriate and practicable avoidance and minimization has been achieved.

Currently serviceable: Useable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Discharge: The term "discharge" means any discharge of dredged or fill material and any activity that causes or results in such a discharge.

Enhancement: The manipulation of the physical, chemical, or biological characteristics of an aquatic resource to heighten, intensify, or improve a specific aquatic resource function(s). Enhancement results in the gain of selected aquatic resource function(s), but may also lead to a decline in other aquatic resource function(s). Enhancement does not result in a gain in aquatic resource area.

Ephemeral stream: An ephemeral stream has flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a source of water for the stream. Runoff from rainfall is the primary source of water for stream flow.

Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former aquatic resource. Re-establishment results in rebuilding a former aquatic resource and results in a gain in aquatic resource area.

Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions to a degraded aquatic resource. Rehabilitation results in a gain in aquatic resource function, but does not result in a gain in aquatic resource area.

Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions to a former or degraded aquatic resource. For the purpose of tracking net gains in aquatic resource area, restoration is divided into two categories: Re-establishment and rehabilitation.

Riffle and pool complex: Riffle and pool complexes are special aquatic sites under the 404(b) (1) Guidelines. Riffle and pool complexes sometimes characterize steep gradient sections of streams. Such stream sections are recognizable by their hydraulic characteristics. The rapid movement of water over a course substrate in riffles results in rough flow, a turbulent surface, and high dissolved oxygen levels in the water. Pools are deeper areas associated with riffles. A slower stream velocity, a streaming flow, a smooth surface, and a finer substrate characterize pools.

Riparian areas: Riparian areas are lands adjacent to streams, lakes, and estuarine-marine shorelines. Riparian areas are transitional between terrestrial and aquatic ecosystems, through which surface and subsurface hydrology connects waterbodies with their adjacent uplands. Riparian areas provide a variety of ecological functions and services and help improve or maintain local water quality. (See General Condition 20)

Shellfish seeding: The placement of shellfish seed and/or suitable substrate to increase shellfish production. Shellfish seed consists of immature individual shellfish or individual shellfish attached to shells or shell fragments (i.e., spat on shell). Suitable substrate may consist of shellfish shells, shell fragments, or other appropriate materials placed into waters for shellfish habitat.

Single and complete project: The term "single and complete project" is defined at 33 CFR 330.2(i) as the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers. A single and complete project must have independent utility (see definition). For linear projects, a "single and complete project" is all crossings

of a single water of the United States (i.e., a single waterbody) at a specific location. For linear projects crossing a single waterbody several times at separate and distant locations, each crossing is considered a single and complete project. However, individual channels in a braided stream or river, or individual arms of a large, irregularly shaped wetland or lake, etc. are not separate waterbodies, and crossings of such features cannot be considered separately.

Stormwater management: Stormwater management is the mechanism for controlling stormwater runoff for the purposes of reducing downstream erosion, water quality degradation, and flooding and mitigating the adverse effects of changes in land use on the aquatic environment.

Stormwater management facilities: Stormwater management facilities are those facilities, including but not limited to, stormwater retention and detention ponds and best management practices, which retain water for a period of time to control runoff and/or improve the quality (i.e., by reducing the concentration of nutrients, sediments, hazardous substances and other pollutants) of stormwater runoff.

Stream bed: The substrate of the stream channel between the ordinary high water marks. The substrate may be bedrock or inorganic particles that range in size from clay to boulders. Wetlands continuous to the stream bed, but outside of the ordinary high water marks, are not considered part of the stream bed.

Stream channelization: The manipulation of a stream's course, condition, capacity, or location that causes more than minimal interruption of normal stream processes. A channelized stream remains a water of the United States.

Structure: An object that is arranged in a definite pattern of organization. Examples of structures include, without limitation, any pier, boat dock, boat ramp, wharf, dolphin, weir, boom, breakwater, bulkhead, revetment, riprap, jetty, artificial island, artificial reef, permanent mooring structure, power transmission line, permanently moored floating vessel, piling, aid to navigation, or any other manmade obstacle or obstruction.



US Army Corps
of Engineers
Portland District

Oregon Department of
Environmental Quality (DEQ)
401 Water Quality (WQC) General
Conditions

In addition to all USACE permit conditions, the following 401 WQC conditions apply to all Nationwide Permit categories certified or partially certified by this 401 WQC, unless specified in the condition. Additional 401 WQC Category Specific Conditions follow, which must also be complied with as applicable.

1) **Turbidity:** All practical Best Management Practices (BMPs) on disturbed banks and within the stream shall be implemented to minimize turbidity during in-water work. OAR 340-041-0036 states that turbidity shall not exceed 10 percent above natural stream turbidities, except where allowed by the rule. This rule also states that limited duration activities necessary to accommodate essential dredging, construction or other legitimate activities and which cause the turbidity standard to be exceeded may be authorized provided all practical turbidity control techniques have been applied and a section 401 water quality certificate has been granted.

a. **Monitoring:** Turbidity monitoring shall be conducted and recorded as described below. Monitoring shall occur each day during daylight hours when in-water work is being conducted. A properly and regularly calibrated turbidimeter is recommended, however, visual gauging is acceptable.

i. **Representative Background Point:** a sample or observation must be taken every four hours at a relatively undisturbed area approximately 100 feet upcurrent from in-water disturbance to establish background turbidity levels for each monitoring cycle. Background turbidity, location, and time must be recorded prior to monitoring downcurrent.

ii. **Compliance Point:** Monitoring shall occur every four hours approximately 100 feet down current from the point of discharge and be compared against the background measurement or observation. The turbidity, location, and time must be recorded for each sample.

b. **Compliance:** Results from the compliance points should be compared to the background levels taken during each monitoring interval. Exceedances are allowed as follows:

MONITORING WITH A TURBIDIMETER		
ALLOWABLE EXCEEDANCE TURBIDITY LEVEL	ACTION REQUIRED AT 1 ST MONITORING INTERVAL	ACTION REQUIRED AT 2 ND MONITORING INTERVAL
0 to 5 NTU above background	Continue to monitor every 4 hours	Continue to monitor every 4 hours
5 to 29 NTU above background	Modify BMPs & continue to monitor every 4 hours	Stop work after 8 hours at 5-29 NTU above background
30 to 49 NTU above background	Modify BMPs & continue to monitor every 2 hours	Stop work after 2 hours at 30-49 NTU above background
50 NTU or more above background	Stop work	Stop work
VISUAL MONITORING		
No plume observed	Continue to monitor every 4 hours	Continue to monitor every 4 hours
Plume observed	Modify BMPs & continue to monitor every 4 hours	Stop work after 8 hours with an observed plume

i. If monitoring or inspection shows that the erosion and sediment controls are ineffective, mobilize work crews immediately to make repairs, install replacements, or install additional controls as necessary;

ii. Remove sediment from erosion and sediment controls once it has reached 1/3 of the exposed height of the control.

e. Unless part of the authorized permanent fill, all construction access points through, and staging areas in, riparian or wetland areas shall use removable pads, mats, or other methods as necessary to prevent soil compaction, unless doing so would be more impactful to these or surrounding resources;

f. Flag or fence off avoided wetlands and newly planted areas to protect from disturbance and/or erosion;

g. Dredged or other excavated material shall be placed on upland areas with stable slopes to prevent materials from eroding back into waterways or wetlands;

h. Sediment from disturbed areas or in any way able to be tracked by vehicles onto pavement shall not be allowed to leave the site in amounts that would reasonably be expected to enter waters of the state and impair water quality. Placement of clean aggregate at all construction entrances, and other BMPs such as truck or wheel washes if needed, will be used when earthmoving equipment will be leaving the site and traveling on paved surfaces; and,

i. Projects which disturb one acre or more require an NPDES 1200C Storm Water Discharge Permit. Contact the appropriate DEQ regional office for more information (Contact information can be found at: <http://www.deq.state.or.us/wq/>).

3) Post-Construction Stormwater Management for NWP activities involving impervious surfaces (NWPs 3, 14, 15, 29, 36, 39, 42)

Stormwater discharges to waters of the state must not violate state water quality standards, including Oregon Administrative Rule (OAR) 340-041-0004, the Antidegradation Policy for Surface Water. There is a

reasonable expectation that runoff from impervious surfaces will carry pollutants toward the lowest point in the landscape, which is generally a water of the state. Low Impact Development (LID) techniques to reduce amounts and concentrations of runoff leaving the project area and Best Management Practices (BMPs) targeting removal of reasonably expected pollutants (sediment, metals, hydrocarbons, nutrients, pesticides, etc.) prior to discharge of stormwater must be incorporated into project designs. A narrative and site sketch describing these LID techniques, BMPs and other stormwater treatment options commensurate with the scale of the project will constitute a post-construction stormwater management plan which must be submitted by the applicant to DEQ for review and approval prior to construction. DEQ's *Stormwater Management Plan Submission Guidelines for Removal/Fill Permit Applications Which Involve Impervious Surfaces* (located under "Removal/Fill" at: <http://www.des.state.or.us/lwa/sec401cert/sec401cert.htm>) provides information to determine the level of detail required for the plan based on project type, scope, location, and other factors, as well as references to assist in designing the plan. Submission of the plan must include:

a. A site sketch or plan view drawing indicating: the drainage flow directions; discharge locations; contours and spot elevations; location and size of impervious features (e.g., parking lots, driveways, buildings, or roads); nearest downgradient waterbody with direction of stream and surface flow, other physical features of the site, and the location and type of post-construction BMPs;

b. A narrative description of proposed BMPs and a summary of their anticipated operation to insure adequate capacity, proper function, and appropriate design for the site such that quality, quantity, and seasonality of pre-construction hydrologic conditions are mimicked to the maximum extent practicable, based on stormwater anticipated to be generated due to project-related impervious surfaces and delivered to waters of the state. See local jurisdiction regulations and accepted stormwater manuals for detention and capacity requirements;

5) Spill Prevention: Fuel, operate, maintain, and store vehicles and construction materials in areas that minimize disturbance to habitat and prevent adverse effects from potential fuel spills.

a. Complete vehicle staging, cleaning, maintenance, refueling, and fuel storage in a vehicle staging area placed 150 feet or more from any waters of the state. An exception to this distance can be made if all practicable prevention and containment measures [as in 5) b through e below, or others] are employed and this distance is not possible because of any of the following site conditions:

i. Physical constraints that make this distance not feasible (e.g., steep slopes, rock outcroppings);

ii. Natural resource features would be degraded as a result of this setback;
or,

iii. Either no contaminants are present or full containment of potential contaminants to prevent soil and water contamination is provided;

b. Inspect all vehicles operated within 150 feet of any waters of the State daily for fluid leaks before leaving the vehicle staging area. Repair any leaks detected in the vehicle staging area before the vehicle resumes operation;

c. Before operations begin and as often as necessary during operation, steam clean (or an approved equal) all equipment that will be used below bankfull elevation until all visible external oil, grease, mud, and other visible contaminants are removed;

d. Diaper all stationary power equipment (e.g., generators, cranes, stationary drilling equipment) operated within 150 feet of any waters of the state to prevent leaks, unless other suitable containment is provided to prevent potential spills from entering any waters of the state; and,

e. An adequate supply of materials (such as straw matting/bales, geotextiles, booms, diapers, and other absorbent materials) needed contain spills must be maintained at the project construction site and deployed as necessary.

6) Spill & Incident Reporting:

a. In the event that petroleum products, chemicals, or any other deleterious materials are discharged into state waters, or onto land with a potential to enter state waters, the discharge shall be promptly reported to the Oregon Emergency Response Service (OERS, 1-800-452-0311). Containment and cleanup must begin immediately and be completed as soon as possible.

b. If the project operations cause a water quality problem which results in distressed or dying fish, the operator shall immediately: cease operations; take appropriate corrective measures to prevent further environmental damage; collect fish specimens and water samples; and notify DEQ, ODFW, NMFS and USFWS as appropriate.

7) Vegetation Protection and Restoration:

Riparian, wetland, and shoreline vegetation in the authorized project area shall be protected from unnecessary disturbance to the maximum extent practicable through:

a. Minimization of project and impact footprint;

b. Designation of staging areas and access points in open, upland areas;

c. Fencing or other barriers demarking construction areas; or,

d. Use of alternative equipment (e.g., spider hoe or crane)

If authorized work results in unavoidable vegetative disturbance; riparian, wetland, and shoreline vegetation shall be successfully reestablished to function for water quality benefit at pre-project levels or improved, at the completion of the authorized work.

8) Project Thresholds:

a. Project applications must be complete and account for total impacts at build-out regardless of construction phasing. Projects may not be phased to avoid exceeding USACE or DEQ imposed threshold limitations of wetland impact or cubic yards of material removal or fill; and,

COMPLIANCE CERTIFICATION

U.S. Army Corps of Engineers
Eugene Field Office
1600 Executive Parkway Suite 210
Eugene, Oregon 97401-2156

- 1. **Permittee Name:** AT&T Mobility Corporation
(Wetlands Adjacent to Periwinkle Creek)

- 2. **County:** Linn

- 2. **Corps Permit No:** NWP-2011-92

- 3. **Corps Contact:** Michele Hanson

- 4. **Type of Activity:** Nationwide Permit (NWP) No. 12 Utility Lines

Please sign and return form to the address above:

I hereby certify that the work authorized the above referenced permit has been completed in accordance with the terms and conditions of said permit and that required mitigation is completed in accordance with the permit conditions, except as described below.

Signature of Permittee

Date



**US Army Corps
Of Engineers (Portland District)**

Joint Permit Application Form

RECEIVED

FEB 10 2012



DEPARTMENT OF STATE LANDS
DATE STAMP

AGENCIES WILL ASSIGN NUMBERS

Corps Action ID Number

Oregon Department of State Lands No

46538
REVISED

SEND ONE SIGNED COPY OF YOUR APPLICATION TO EACH AGENCY

<u>US Army Corps of Engineers:</u>	<u>DSL - West of the Cascades:</u>	<u>DSL - East of the Cascades:</u>	<u>Send DSL Application Fees to:</u>
District Engineer	State of Oregon	State of Oregon	State of Oregon
ATTN: CENWP-OD-GPPO	Department of State Lands	Department of State Lands	Department of State Lands
Box 2946	775 Summer Street, Suite 100	1645 NE Forbes Road, Suite 112	PO Box 4395, Unit 18
Portland, OR 97208-2946	Salem, OR 97301-1279	Bend, Oregon 97701	Portland, OR 97208-4395
503-808-4373	503-986-5200	541-388-6112	(Attach a copy of the first page of the application)

(1) APPLICANT INFORMATION

Applicant Name and Address	AT&T Mobility 19801 SW 72 nd Ave Tualatin, OR 97062 CONTACT: Brandon Olsen	Business Phone # Home Phone # Fax # Email	503-691-5020 <u>bo2293@att.com</u>
Authorized Agent Name and Address	Lindsay Mico Adapt Engineering 10725 SW Barbur Blvd #200 Portland, OR 97219	Business Phone # Home Phone # Fax # Email	503-892-2346 503-892-2348 <u>Lindsay.mico@adaptengr.com</u>
Check one Consultant <input checked="" type="checkbox"/> Contractor <input type="checkbox"/>			
Property Owner Name and Address	Aaron & Heather Sadowsky 3626 Three Lakes Rd SE Albany, OR 97322	Business Phone # Home Phone # Fax # Email	541-917-0809

(2) PROJECT LOCATION

Street, Road or Other Descriptive Location		Legal Description (attach <i>tax lot map</i> *)			
3626 Three Lakes Road SE, Albany, OR		Township	Range	Section	Quarter/Quarter
		11S	3W	16	WM
In or near (City or Town)	County	Tax Map #		Tax Lot # ²	
Albany	Linn	11.3.16		1801	
Wetland/Waterway (pick one)	River Mile (if known)	Latitude (in DD.DDDD format)		Longitude (in DD.DDDD format)	
Wetland	NA	44.6088		-123.0609	
Directions to the site	Take I5 South towards Albany/Salem and travel for ~56 miles. Take exit 233 toward Lebanon/Sweet Home. Merge onto US-20E. Turn Right at Spicer Drive SE. Turn left to stay on Spicer Dr SE. Turn right at Three Lakes Rd SE. Travel ~ 1.5 miles. Property is on the right (west).				

¹ If applicant is not the property owner, permission to conduct the work must be attached.

² Attach a copy of all tax maps with the project area highlighted.

• *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*

(3) PROPOSED PROJECT INFORMATION

Type: Fill Excavation (removal) In-Water Structure Maintain/Repair an Existing Structure
 Brief Description: Fill and removal of material for the placement of a cell tower and 12' gravel access road.

Fill

Riprap Rock Gravel Organics Sand Silt Clay Other:

Wetlands	Permanent (cy)	Temporary (cy)				Total cubic yards for project (including outside OHW/wetlands)	145
	145	0					
	Impact Area in Acres	Dimensions (feet) <i>see construction drawings</i>					
	0.089	L'	W'	H'			
Waters below OHW	Permanent (cy)	Temporary (cy)				Total cubic yards for project (including outside OHW/wetlands)	
	Impact Area in Acres	Dimensions (feet)					
		L'	W'	H'			

Removal

Wetlands	Permanent (cy)	Temporary (cy)				Total cubic yards for project (including outside OHW/wetlands)	145
	145	0					
	Impact Area in Acres	Dimensions (feet) <i>see construction drawings</i>					
	0.089	L'	W'	H'			
Waters below OHW	Permanent (cy)	Temporary (cy)				Total cubic yards for project (including outside OHW/wetlands)	
	Impact Area in Acres	Dimensions (feet)					
		L'	W'	H'			

Total acres of construction related ground disturbance (If 1 acre or more a 1200-C permit may be required from DEQ)

Is the disposal area upland? Yes No Impervious surface created? <1 acre >1 acre?

See Project Description for information on disposal location

Are you aware of any state or federally listed species on the project site?

Are you aware of any Cultural/Historic Resources on the project site?

Is the project site within a national Wild & Scenic River?

*Is the project site within a State Scenic State Scenic Waterway?**

Yes	No
	No
	No
	No

If yes, please explain in the project description (in block 4)

(4) PROPOSED PROJECT PURPOSE AND DESCRIPTION

Purpose and Need:

*Provide a description of the public, social, economic, or environmental benefits of the project along with any supporting formal actions of a public body (e.g. city or county government), as appropriate.**

The purpose of this project is to allow AT&T Mobility Corporation to install a new 140' monopole with antennas and a 12'x20' shelter located inside a 40'x40' fenced wireless compound. The cell tower will also require a 12' wide gravel access road with a turnaround. The cell tower location is specific to the needs of the cell carrier for this specific region of the state. The cell tower is strategically located within the I-5 corridor and provides social and economic benefits to public, private, and commercial customers.

* *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*

Project Description:

Please describe in detail the proposed removal and fill activities, including the following information:

- Volumes and acreages of all fill and removal activities in waterway or wetland separately
- Permanent and temporary impacts
- Types of materials (e.g., gravel, silt, clay, etc.)
- How the project will be accomplished (i.e., describe construction methods, equipment, site access)
- *Describe any changes that the project may make to the hydraulic and hydrologic characteristics (e.g., general direction of stream and surface water flow, estimated winter and summer flow volumes.) of the waters of the state, and an explanation of measures taken to avoid or minimize any adverse effects of those changes.*
- Is any of the work already complete? Yes No If yes, please describe the completed work.

The location of this proposed cell tower is shown on Figure 1. Fernwood Environmental Services Co. performed a wetland delineation within the 0.28 acre study area. Within this study area 0.28 acres of jurisdictional wetlands were identified. The wetland delineation is currently being reviewed by DSL Wetland Staff. Land cover within the subject property consists of pasture and hayfields. The entire study area included in this delineation was determined to be composed of wetlands.

The design of this proposed project is to fill and remove material within designated wetland impact areas to construct the gravel access road, fenced compound, shelter, and tower footings. The electrical infrastructure will follow the path of the access road and these impacts are accounted for in the removal/fill calculations (4'x100' utility trench). This site is to be filled with 6" of ¾" diameter crushed rock with weed barrier on 95% compacted fill. The applicant is proposing to permanently impact only 0.089 acres of wetlands within the proposed project area (Figure 6, Proposed Site Plan) and will have an approximate fill volume of 145 cubic yards and an approximate removal volume of 145 cubic yards of material within wetlands (rock, gravel, silt, clay, and topsoil) to complete the development requirements. Please see Figure 6 for a specific list of dimensions and removal/fill volumes.

Fill and removal material will be transferred onsite from Three Lakes Road through an existing gravel access road from the property east of the proposed tower location. Construction activity will be staged within the proposed impact area to limit any potential impacts to surrounding resources in the area. All material removed from the project site will be transported to a separate property located at 32417 Tangent Drive Tangent, Or 97389. This material will be used at that property to level an existing, non-wetland pasture. This site was identified following consultation with Butch Skoien (Code Enforcement, Planning Dept) at Linn County. A site visit was conducted in Fall of 2012 to ensure that no fill would be used to fill existing wetlands.

Onsite hydrology is believed to be driven by groundwater flow and topography. The direction of this flow is from the south to the north towards Periwinkle Creek. The proposed access road will be installed roughly level with the surrounding ground surface and should not pose any impediment to surface flow as a result.

We believe that all contributing hydrology to the existing wetlands will not be affected due to the minimal impacts to wetlands as well as the placement of an impervious surface (gravel road/pad). Due to the source of water entering the site being from groundwater as well as adjacent upland runoff we believe measures have been taken to avoid or minimize any adverse effects of these changes to surrounding wetlands.

Project Drawings

State the number of project drawing sheets included with this application: 6 (Complete set of current construction documents)

A complete application must include a location map, site plan, cross-section drawings and recent aerial photo as follows and as applicable to the project:

- **Location map** (must be legible with street names)
 - Site plan including;
 - Entire project site and activity areas
 - Existing and proposed contours
 - Location of ordinary high water, wetland boundaries or other jurisdictional boundaries
 - Identification of temporary and permanent impact areas within waterways or wetlands
 - Map scale or dimensions and north arrow
 - Location of staging areas
 - Location of construction access
 - Location of cross section(s), as applicable
 - Location of mitigation area, if applicable
- **Cross section drawing(s)** including;
 - Existing and proposed elevations
 - Identification of temporary and permanent impact areas within waterways or wetlands
 - Ordinary high water and/or wetland boundary or other jurisdictional boundaries
 - Map scale or dimensions
- **Recent Aerial photo** (1:200, or if not available for your site, the highest resolution available)

Will any construction debris, runoff, etc., enter a wetland or waterway? Yes No

If yes, describe the type of discharge and show the discharge location on the site plan.

See Attachments

Estimated project start date: June 2012

Estimated project completion date: June 2013

(5) PROJECT IMPACTS AND ALTERNATIVES

Alternatives Analysis:

Describe alternative sites and project designs that were considered to avoid or minimize impacts to the waterway or wetland. (Include alternative design(s) with less impact and reasons why the alternative(s) were not chosen. Reference OAR 141-085-0565 (1) through (6) for more information).*

The proposed wetland impacts are considered to be minimal and the project has been designed to avoid or minimize impacts to wetlands to the greatest extent practicable. Impacted wetlands were largely affected by the amount of fill or grading needed to efficiently develop the site based on the engineering requirements. The following factors were considered whether or not impacts to the wetlands could be avoided and/or minimized.

- Size functionality, and condition of the resources;
- Probability that these wetlands would subsist if partially impacted or left intact;
- Design issues related to the engineering of the tower;
- Site selection based on radio frequency engineering requirements including topography (hilliness or flatness of the area), the demographics (where and what type of customer base) and local zoning.

Measures to Minimize Impacts

Describe what measures you will use (before and after construction) to minimize impacts to the waterway or wetland. These may include but are not limited to the following:

- *For projects with ground disturbance include an erosion control plan or description of other best management practices (BMP's) as appropriate. (For more information on erosion control practices see DEQ's Oregon Sediment and Erosion Control Manual)*
- *For work in waterways where fish or flowing water are likely to be present, discuss how the work area will be isolated from the flowing water.*
- *If native migratory fish are present (or were historically present) and you are installing, replacing or abandoning a culvert or other potential obstruction to fish passage, complete and attach a statement of how the Fish Passage Requirements, set by the Oregon Department of Fish and Wildlife will be met.*

Throughout construction, best management practices will be used to minimize erosion and siltation associated with site runoff. Practicable erosion control measures may include but are not limited to silt fencing, bio bags, sediment collection basins, and gravel entryways will be installed prior to the commencement of construction and properly maintained throughout the duration of the project to keep sediments from entering any wetlands and other waterways in the project vicinity. Following completion of construction, all disturbed areas will be stabilized and re-vegetated with an approved groundcover material. An erosion control plan will be prepared as part of the proposed development.

• *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*

Description of resources in project area

Ocean Estuary River Lake Stream Freshwater Wetland

Describe the existing **physical and biological characteristics** of the wetland/waterway site by area and type of resource (Use separate sheets and photos, if necessary).

For wetlands, include, as applicable:

- *Cowardin and Hydrogeomorphic(HGM) wetland class(s)**
- *Dominant plant species by layer (herb, shrub, tree)**
- Whether the wetland is freshwater or tidal
- *Assessment of the functional attributes of the wetland to be impacted**
- Identify any vernal pools, bogs, fens, mature forested wetland, seasonal mudflats, or native wet prairies in or near the project area.)

For waterways, include a description of, as applicable:

- *Channel and bank conditions**
- *Type and condition of riparian vegetation**
- *Channel morphology (i.e., structure and shape)**
- *Stream substrate**
- Fish and wildlife (type, abundance, period of use, significance of site)
- *General hydrological conditions (e.g. stream flow, seasonal fluctuations)**

The freshwater wetlands onsite are freshwater palustrine emergent (PEMC) wetlands and are of the Slope/Flat Hydrogeomorphic Subclass. There are no special areas of concern (SAC) found onsite. The site has historically been used as agricultural land and is currently surrounded by rural residences.

HGM - Best Professional Judgment (141-085-0685 (3)(b-c)

(A) Water quality and quantity

Hydrology for the wetland area is supplied by groundwater and surface flows from adjacent uplands. The hydrology is believed to move through the site in a northerly direction towards Periwinkle Creek offsite to the north. We believe the water quality and quantity on site is moderate to low.

(B) Fish and wildlife habitat

The western boundary of the site is the I-5 corridor and the site setting is actively managed (mowing/harvest/grazing) agricultural pasture land and hay fields. Some shrub scrub along the western border of the parcel outside the study area. We therefore believe that fish habitat does not exist at the site and wildlife habitat is moderate to low.

(C) Native plant communities and species diversity;

Vegetation within the site is comprised mainly of non native grass species which are frequently mowed. We therefore believe the site to have a low function for native plant communities and species diversity.

(D) Recreation and education

The site is partially fenced and privately owned and does not allow public access. We therefore believe that recreation and education is fairly low.

*Describe the existing navigation, fishing and recreational use of the waterway or wetland.**

There are no existing navigation, fishing, or recreational uses of the wetlands.

Site Restoration/Rehabilitation

- *For temporary disturbance of soils and/or vegetation in waterways, wetlands or riparian areas, please discuss how you will restore the site after construction including any monitoring, if necessary**

Proposed impacts will be mitigated through an approved Wetland Mitigation Bank.

Mitigation

Describe the reasonably expected adverse effects of the development of this project and how the effects will be mitigated.*

- For permanent impact to wetlands, complete and attach a Compensatory Wetland Mitigation (CWM) Plan. (See OAR 141-085-0705 for plan requirements)*
- For permanent impact to waters other than wetlands, complete and attach a Compensatory Non-Wetland Mitigation (CNWM) plan (See OAR 141-085-0765 for plan requirements)*
- For permanent impact to estuarine wetlands, you must submit a CWM plan.*

The onsite wetlands are moderate to low functioning. The adverse affects related to the impacts to the wetlands would be a loss of wildlife habitat and loss of an undeveloped open area. Onsite mitigation was reviewed as part of the development plan, however, given the surrounding land uses and minimal wetland impacts the resource would be more sustainable and likely have higher functions through an approved Wetland Mitigation Bank.

The proposed adverse affects are considered to be reasonable and these wetland impacts will be mitigated through the purchase of wetland credits through an approved Wetland Mitigation Bank which will ensure the proposed wetland impacts will be compensated through mitigation that will result in an increase in wetland functions compared to the existing wetlands proposed to be impacted.

By compensating for the impacts through a wetland mitigation bank the following principle objectives listed in 141-085-0680 (2) will be met.

- (A) The bank will provide functions and values lost at the site which it has successfully provided within this watershed
- (B) The bank will provide local replacement for locally important functions and values within the same watershed.
- (C) Purchase of mitigation bank credits supports the creation of wetlands that have been designed to be self-sustaining and require minimal long term maintenance.
- (D) The bank will ensure greater ecological suitability than onsite mitigation and would not provide connectivity to other similar habitats as what is present at the bank.
- (E) The bank already contains mitigated wetlands and therefore the temporal loss would be considerably minimized vs. developing onsite or other offsite mitigation areas.

The project proposes to impact only 0.089 acres of palustrine emergent (PEMC) wetlands found onsite. These impacts will be mitigated through the purchase of wetland credits from the Evergreen Wetland Mitigation Bank; 6001 NW Gilmour Lane, Albany, OR 97321. This Bank had been approved and is within this specific service area.

Mitigation Location Information (Fill out only when mitigation is proposed or required)

Proposed mitigation (Check all that apply):	<input type="checkbox"/> Onsite Mitigation <input type="checkbox"/> Offsite Mitigation <input checked="" type="checkbox"/> Mitigation Bank <input type="checkbox"/> Payment to Provide	Type of mitigation: <input checked="" type="checkbox"/> Wetland Mitigation <input type="checkbox"/> Mitigation for impacts to other waters <input type="checkbox"/> Mitigation for impacts to navigation, fishing, or recreation
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<i>Street, Road or Other Descriptive Location</i>	<i>Legal Description (attach tax lot map*)</i>			
Located on the west side of the Bellfountain & 53rd street intersection.	<i>Quarter/Quarter</i>	<i>Section</i>	<i>Township</i>	<i>Range</i>
		19	12S	5W

<i>In or near (City or Town)</i>	<i>County</i>	<i>Tax Map #</i>	<i>Tax Lot #³</i>
Philomath	Benton		700
<i>Wetland/Waterway (pick one)</i>	<i>River Mile (if known)</i>	<i>Latitude (in DD.DDDD format)</i>	<i>Longitude (in DD.DDDD format)</i>
Wetland			

<i>Name of waterway/watershed/HUC</i>	<i>Name of mitigation bank (if applicable)</i>
Mary's River	Evergreen Wetland Mitigation Bank See attached information sheet

³ Attach a copy of all tax maps with the project area highlighted.

• *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*

(6) ADDITIONAL INFORMATION

Adjacent to R-F Site and Physical Mitigation Site Property Owners and Their Address (*if more than 5, attach printed labels**)

George Tom
3450 three Lakes Road, SE
Albany, OR 97322-7635
11.3.16 tax lot 1600

Aaron and Heather Sadowsky
3626 Three Lakes Road SE
Albany, OR 97322-7636
11.3.16 tax lot 1802

Stanley Keller
3918 Three Lakes Road SE
Albany, OR 97322-7637
11.3.16 tax lot 1800

Has the proposed activity or any related activity received the attention of the Corps of Engineers or the Department of State Lands in the past, e.g., wetland delineation, violation, permit, lease request, etc.?

Yes No

If yes, what identification number(s) were assigned by the respective agencies:

Corps #	NWP-2011-92	State of Oregon #	WD #2010-0414
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Has a wetland delineation been completed for this site? Yes No

If yes by whom? * *Fernwood Environmental Services*

Has the wetland delineation been approved by DSL or the COE? Yes No

If yes, attach a concurrence letter. See Attached Documents

**(7) CITY/COUNTY PLANNING DEPARTMENT AFFIDAVIT
(TO BE COMPLETED BY LOCAL PLANNING OFFICIAL) ***

I have reviewed the project outlined in this application and have determined that:

- This project is not regulated by the comprehensive plan and land use regulations.
- This project is consistent with the comprehensive plan and land use regulations.
- This project will be consistent with the comprehensive plan and land use regulations when the following local approval(s) are obtained.
- Conditional Use Approval
- Development Permit
- Other

This project is not consistent with the comprehensive plan. Consistency requires a

- Plan Amendment
- Zone Change
- Other

An application has has not been filed for local approvals checked above.

Local planning official name (print)	Signature	Title	City / County	Date
Olivia Glantz		Associate Planner	Linn County	2/15/11

Comments:

Shall Comply with PD10-0089

(8) COASTAL ZONE CERTIFICATION *

If the proposed activity described in your permit application is within the Oregon coastal zone, the following certification is required before your application can be processed. A public notice will be issued with the certification statement, which will be forwarded to the Oregon Department of Land Conservation and Development for its concurrence or objection. For additional information on the Oregon Coastal Zone Management Program, contact the department at 635 Capitol Street NE, Suite 150, Salem, Oregon 97301 or call 503-373-0050.

CERTIFICATION STATEMENT

I certify that, to the best of my knowledge and belief, the proposed activity described in this application complies with the approved Oregon Coastal Zone Management Program and will be completed in a manner consistent with the program.

Print /Type Name	Title
Applicant Signature	Date

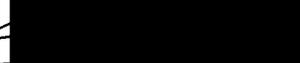
• Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.

(9) SIGNATURES FOR JOINT APPLICATION

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and, to the best of my knowledge and belief, this information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. By signing this application I consent to allow Corps or Dept. of State Lands staff to enter into the above-described property to inspect the project location and to determine compliance with an authorization, if granted. I hereby authorize the person identified in the authorized agent block below to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

I understand that the granting of other permits by local, county, state or federal agencies does not release me from the requirement of obtaining the permits requested before commencing the project. *I understand that payment of the required state processing fee does not guarantee permit issuance. The fee for the state application must accompany the application for completeness.*

Amount enclosed	<i>Fee has already been submitted</i>
-----------------	---------------------------------------

Print /Type Name	Title	Print /Type Name	Title
Brandon Olsen	Vice President	Lindsay Mico	Senior Environmental Scientist
Applicant Signature	Date	Authorized Agent Signature	Date
	1/11/12		1/11/12

Landowner signatures: For projects and /or mitigation work proposed on land not owned by the applicant, including state-owned submerged and submersible lands, please provide signatures below. A signature by the Department of State Lands for activities proposed on state-owned submerged/submersible lands only grants the applicant consent to apply for authorization to conduct removal/fill activities on such lands. This signature for activities on state-owned submerged and submersible lands grants no other authority, express or implied.

Print /Type Name	Title	Print /Type Name	Title
Property Owner Signature	Date	Mitigation Property Owner Signature	Date

• *Italicized areas are not required by the Corps for a complete application, but may be necessary prior to final permit decision by the Corps.*

APPENDIX L

WETLAND MITIGATION BANKING INFORMATION



Oregon Wetlands LLC
6001 NW Gilmour Lane
Albany, Oregon 97321
Office: (541) 928-2507
Fax: (541) 967-2310
Cell: (541) 760-1777

Evergreen Mitigation Bank

Credit Sales Receipt

Date: 09/06/12

Purchased by: American Towers LLC

Phone Number: Lindsay Mico (503) 892-2346

Project Name: AT&T Mobility Cell Tower

Project Location: T11S, R3W, Sect. 16 Tax lot 1801

Credits Purchased: 0.09

DSL Permit #: 46538-RF, Gloria Kiryuta

Corps Permit#: NWP-2011-92, Michele Hanson

Purchaser has agreed to paid the Bank the agreed upon price for the number of wetland mitigation credits noted above.

By: 

Ray Fiori

Evergreen Mitigation Bank

Introduction

The Evergreen Wetland Mitigation Bank (Bank) is located in Benton County, Oregon approximately 1.5 miles south of Philomath. It is located on the west side of the Bellfountain-53rd street intersection in T12S, R5W, Sec.19, Tax lot 700 and is 175 acres. The Bank straddles Evergreen Creek and is connected to the Finley-Muddy Creek (WV-22) conservation opportunity area via the Evergreen Creek riparian corridor (see map below). This area, located between Finley National Wildlife Refuge and the confluence of the Marys and Willamette Rivers has been the focus of conservation efforts in this area for the last 10 years. The US Fish and Wildlife Service (USFWS), Oregon Department of Fish and Wildlife (ODFW), Natural Resource Conservation Service (NRCS), Green Belt Land Trust (GBLT), City of Corvallis, Benton County, and The Native Seed Network (NSN) have all contributed massive resources to the protection and restoration of this area. The corridor is a checkerboard of Wetland Reserve Program (WRP) conservation easements, voluntary restoration through the Partners for Fish and Wildlife Program, and various other protected habitats through GBLT, the city, and county. In addition many roadside areas around the bank are special management areas for the county to protect rare plant resources. The headwaters of Evergreen Creek is about a ½ mile upstream of the Bank, which GBLT recently purchased this important stretch, greatly increasing the connectivity of the coast range with WV-22, via the Evergreen Creek riparian corridor.

Background

The bank site was in agricultural production since at least 1936 as evident from aerial photographs. In 1936 the riparian area was similar in shape, although few large trees existed. The bank site was historically surface ditched to facilitate rapid drainage for agriculture; the riparian area was narrowed to increase farmable acres, while Evergreen Creek was channelized in an effort to contain it during high flows. The bank has been in annual ryegrass production for at least the last 50 years. The bank is dominated by hydric soils, composed primarily of Dayton silt loam.

Oregon Wetlands LLC purchased the property in 2005 for the purpose of establishing a wetland mitigation bank. The Company is owned by Ray Fiori, Marvin Gilmour, and Alton Sullivan. With the collective knowledge and resources of the owners, mitigation banking was seen as an effective means to perform high quality restoration work as well as a business opportunity. The restored site consists of 55 acres emergent marsh, 25 acres riparian forested wetland, 10 acres scrub/shrub wetland, and 85 acres of wet prairie

Restoration Activities

Restoration work began in August 2006 with elimination of the existing ryegrass crop. Surface grading followed to create low lying berms to impound water, and fill material

was removed from the upper end of Evergreen Creek to allow it to interact more frequently with its floodplain. In the fall of 2006 the emergent marsh areas were planted, and non-native species control began in the existing riparian area.

In February 2007, the new forested and scrub/shrub portions of the bank were planted. After further annual ryegrass control, the wet prairie portions of the bank were planted in April, followed by an intensive year of non-native species control.

Since purchase of the property, it's been Oregon Wetlands LLC overall goal to not allow any non-native species to go to seed on the site. Since initial installation, this has been the primary focus of management activities. Although this was a daunting task for the first 3 years, it has paid off. By not allowing non-native species to go to seed on the site in the early years, the likelihood of long-term success of the bank is much higher, and with a seed bank dominated by native species, following events such as fire, it can favorably respond, and not become a weed patch which so often happens.

Additional management activities have included mowing, bailing, and planting forbs into the prairie areas. Mowing and bailing have been utilized to reduce organic biomass both before and after forbs planting as well as aiding in spot spraying activities targeting non-native species. This provides better seed to soil contact for the forbs during planting and reducing the organic biomass again the following fall allows the forbs to get fully established. Forbs will continue to be incorporated into the prairie areas over the next several growing seasons. Once the forbs are established, mowing will be reduced to a 4-6 year cycle, creating a mosaic of varying seral stages.

Monitoring

As part of the regulatory process, the bank contains 103 vegetation monitoring points that are monitored on an annual basis. Although there is no substitute for walking the site, the monitoring data gives a snap shot of species composition, coverage and trends on the bank. Based on 2009 monitoring, the restored habitats were composed of 99.04% native species.

In the spring of 2008, 4 bird surveys were conducted to get an idea of the bird response to restoration activities. The surveys detected 85 bird species (Barry Shriver-Flora & Fauna) with new species being added daily. A Plant survey the same year indicated 86 native plant species (Dick Brainard-Salix Associates), with many additional species being planted and naturally recruited since then.

Public/Research Opportunities

Although the site is not open to the public, all three parking areas were set up to accommodate wildlife viewing from them, and the site was included on the new Willamette Valley birding trail. In addition, the owners host many tours/learning experiences on the site such as: USFWS restoration techniques class, Corvallis leadership group tour, Summer Ag institute class, local birders tour, OSU environmental

engineering class, and many tours for fellow restorationists/agency personnel (NRCS, ODFW, ODOC, OPRD, watershed councils, JE Dunn Construction, CH2M Hill, Terra Sciences, ECT.).

Due to the high quality of habitat conditions and the abundance of nesting rare/declining bird species, the site has been popular with researchers looking at the correlation between restoration and species utilization. Streak-horned lark nests were located and monitored via radio telemetry and visual checks (OSU), Aquatic vertebrates were sampled (OSU), Evergreen Creek was surveyed for fish and corresponding habitat conditions (OSU), and ground work was laid out for an upcoming waterfowl food availability study (OSU). In addition, the site would be an excellent candidate for reintroduction of listed plant species.

Long Term Management

The overall management goal of the owners has been to not allow any non-native species to go to seed on the site. Although this was a daunting task at first, the rewards are obvious, going from 25 hours/ acre of maintenance in 2007 to 5 hours/ acre in 2009 and quickly dropping. Although this is not a realistic goal in the long term, it's allowed the site to accumulate a significant native seed bank, and position the site to respond favorably to natural disturbance such as fire, floods, Microtus population explosions, ECT.

The owners plan to actively manage the site at least through the regulatory monitoring period (2016) and likely much longer. Although long term maintenance is anticipated to be minimal, it will be necessary for someone to manage the site to eliminate any emerging threats before they become a problem and maintain desirable habitat conditions. The owners would like to enter into an agreement with a conservation organization or public entity to protect and manage the site in perpetuity. This would include working together on a long-term management plan, creating a permanent conservation easement, and providing a long term funding source.

Conclusion

The Evergreen Mitigation Bank is an extremely high quality restoration project which would be a valuable asset for any conservation portfolio. The diverse habitats support an abundance of flora and fauna that need to be protected in perpetuity. The bank has been used as a showcase for what is possible in wetland restoration with hard work, knowledge, dedication, and the proper tools. It also incorporates many new ideas and techniques in the ever evolving field of restoration ecology.

APPENDIX M
FAA DETERMINATION



Issued Date: 02/08/2011

John Monday (pm)
 AT&T Mobility LLC
 5601 Legacy Dr., MS: A-3
 Plano, TX 75024

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower GRAND PRAIRIE
 Location: ALBANY, OR
 Latitude: 44-36-31.54N NAD 83
 Longitude: 123-03-39.13W
 Heights: 140 feet above ground level (AGL)
 383 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be completed and returned to this office any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking and/or lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

This determination expires on 08/08/2012 unless:

- (a) extended, revised or terminated by the issuing office.
- (b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO

SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (425) 203-4562. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2011-ANM-282-OE.

Signature Control No: 136313012-136942775

(DNE)

Kathie Curran
Specialist

Attachment(s)
Frequency Data

cc: FCC

Frequency Data for ASN 2011-ANM-282-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W

APPENDIX N
PREPARER'S RESUME

Lindsay Thomas Mico

lindsaymico@gmail.com

503-368-7195

Relevant Experience

- **2011-present: Adapt Engineering Inc, Senior Environmental Scientist** - NEPA compliance and documentation; ESA and CWA compliance and documentation; wetland delineation; project and subcontractor management.
- **2006 to 2011: Demeter Design Inc, Lead Analyst & Project Manager** - Restoration planning, prioritization, and implementation; water quality and aquatic habitat assessment and monitoring; employee, subcontractor, and project management; GIS analysis; complex statistical design and analysis; public outreach; marketing and sales.
- **2006 to 2011: Capes Watershed Council, Vice Chair & Technical Director** - Restoration planning, prioritization, and project management; grant development and implementation; organizational development; public outreach.
- **2005 to 2006: United States Bureau of Land Management, Hydrologist** - Water quality assessment and monitoring; project and staff management; botanical and wildlife surveys; NEPA compliance and documentation.
- **2005: Oregon Department of Fish and Wildlife, Biologist** - Salmonid population and habitat monitoring.
- **2002 to 2004: U.C. San Diego, Research Scientist** - Spatial modeling, data management, and statistical analysis; experimental design and implementation.
- **2002: Oregon Health & Sciences University, Research Associate** - Data collection, management, and analysis
- **1999 to 2001: U.C Berkeley - Research Associate** - Spatial modeling, data management, and statistical analysis; research staff training and management.

Education

- Master of Science, Neurosciences, UC San Diego (2004)
- Honors Bachelor of Arts, Molecular and Cellular Biology, UC Berkeley (2001)

Assets and Skills

- **Organizational:** Business development, sales, and marketing; public speaking; staff management; fiscal administration; data management; reporting.
- **Scientific:** Fluvial geomorphology; GIS analysis and cartography; hydrology; fish biology; molecular biology; advanced statistics; signal processing; database design, development and management; NEPA; technical writing.
- **Technical:** ESRI ArcMap 9.2, 9.3, & 10.0; GPS; Microsoft Office including Microsoft Access, PowerPoint, Excel and Word; Adobe Color Suite; ExpertGPS; R; FishXing; SQL.
- **Other:** Brewing; outdoorsmanship; cooking.