



Special Public Notice

US Army Corps
of Engineers

Alaska District
Regulatory Division (1145)
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Date:

April 15, 2010

Identification No:

GPs-93-10-M3, 93-11-M3, 93-12-M3, 93-13-M3, 93-14-M3

In reply refer to above Identification Number

Expiration Date: April 15, 2015

REISSUANCE OF MODIFIED ANCHORAGE GENERAL PERMITS (GPs) 93-10-M3, 93-11-M3, 93-12-M3, 93-13-M3, and 93-14-M3

The District Commander, Alaska District, U.S. Army Corps of Engineers (Corps) has reissued with modifications the five Anchorage General Permits (GPs) (93-10-M3, 93-11-M3, 93-12-M3, 93-13-M3, 93-14-M3) pursuant to Section 404 of the Clean Water Act (Public Law 95-217, 33 U.S.C. 1344 et seq.) for the placement of fill material into wetlands within the Municipality of Anchorage, which were designated "C" in the Anchorage Wetlands Management Plan (AWMP) Revision, April 1996. GP-93-10-M3 is for residential fill pads, site preparation, and driveways; GP93-11-M3 is for roads and other linear developments; GP 93-12-M3 is for commercial, institutional, and community development and parking lots; GP 93-13-M3 is for industrial developments; and GP 93-14-M3 is for wetland, habitat, and water quality enhancement.

In response to the Special Public Notice POA-1993-10, dated March 12, 2010, the proposed Anchorage GPs were revised to reflect comments submitted by local, State, and Federal agencies, and the interested public. Based on a review of all pertinent information, including a prepared Environmental Assessment, I have concluded that issuance of this permit will not have more than minimal adverse impact on the environment and is not contrary to the public interest.

The text of the modified GPs is available on the Alaska District website <http://www.poa.usace.army.mil/reg/gps.htm>. These modified GPs describe the terms and conditions which must be met in order for work to be authorized by the GPs. An individual wishing to perform work under any of these GPs must review these conditions carefully and follow the application procedures. If the proposed work does not meet the requirements of the terms and conditions, the GPs will not apply and an individual Department of the Army permit application must be submitted to the Corps at the letterhead address. Failure to comply with the terms and conditions of the GPs could result in suspension, modification, or revocation of the permit, and/or imposition of penalties as provided by law.

The activities authorized under these GPs may not be undertaken and completed without prior notification of the Municipality of Anchorage, Wetland Coordinator, Planning Department, or Corps of Engineers, Regulatory Division; see the GPs's "Application, Review, and Enforcement Procedures" for additional information.

These GPs have been issued for a period of five (5) years, expiring on April 15, 2015. At the end of this five-year period, an evaluation of the GPs will be made, and at that time it will be decided whether or not these GPs should be renewed. The District Commander may at any time during this five-year period alter, modify, suspend or revoke these permits, if he deems such action to be in the public interest.

In accordance with the regulations at 40 CFR 230.7, a copy of the compliance determination for the Section 404(b)(1) Guidelines is attached to this public notice.

Any questions or requests for additional information should be directed to the Anchorage Field Office, Corps of Engineers, Regulatory Division, CEPOA-RD-SA, 1600 A Street, Suite 110, Anchorage, Alaska 99501-5146, phone (907) 753-2619, toll-free in Alaska at (800) 478-2712, or by e-mail at Regpagemaster@usace.army.mil.

District Commander
U.S. Army, Corps of Engineers

Enclosures

ANCHORAGE GENERAL PERMITS (GPs)
93-10-M3, 93-11-M3, 93-12-M3, 93-13-M3, and 93-14-M3
Compliance Determination for the Section 404(b)(1) Guidelines
(40 CFR 230.7 General Permits)

The following information has been copied from the combined decision document and published here per the above-noted regulation.

A. Alternatives Test (40 CFR 230.10(a)):

(i) Based on the discussion in 3.0 are there available, practicable alternatives having less adverse impact on the aquatic ecosystem and without other significant adverse environmental consequences that do not involve discharges into "waters of the U.S." or at other locations within these waters? NO

(ii) Based on 3.0 if the project is in a special aquatic site and is not water dependent, has the applicant clearly demonstrated that there are no practicable alternative sites available? YES

B. Special Restrictions (40 CFR 230.10(b)). Will the discharge:

(i) Violate state water quality standards? NO

(ii) Violate toxic effluent standards [under Section 307] of the Clean Water Act? NO

(iii) Jeopardize endangered or threatened species or their critical habitat? NO

(iv) Violate standards set by the Department of Commerce to protect marine sanctuaries? NO

(v) Evaluation of the information in II.3 and II.4. above, indicates that the proposed discharge material meets the testing exclusion criteria for the following reasons:

YES, based on the above information, the material is not a carrier of contaminants.

C. Other restrictions (40 CFR 230.10(c)): Will the discharge contribute to significant degradation of "waters of the U.S." through adverse impacts to:

(i) Human health or welfare, through pollution of municipal water supplies, fish, shellfish, wildlife and/or special aquatic sites? NO

(ii) Life stages of aquatic life and/or wildlife? NO

(iii) Diversity, productivity, and stability of the aquatic life and other wildlife? Or wildlife habitat or loss of the capacity of wetlands to assimilate nutrients, purify water or reduce wave energy? NO

(iv) Recreational, aesthetic, and/or economic values? NO

D. Actions to minimize potential adverse impacts [mitigation] (40 CFR 230.10(d)). Will all appropriate and practicable steps [40 CFR 230.70-77] be taken to minimize adverse impacts of the discharge on the aquatic ecosystem? YES

II. Section 230.7(a) Evaluation: [answering "Yes" indicates compliance with the guidelines.]

- A. Section 230.7(a) (1): Will the activities in such categories be similar in nature and similar in their impact upon water quality and the aquatic environment? YES
- B. Section 230.7(a) (2): Will the activities in such categories have only minimal adverse effects when performed separately? YES
- C. Section 230.7(a) (3): Will the activities in such categories have only minimal cumulative adverse effects on water quality and the aquatic environment? YES

Findings of Compliance or Non-Compliance with the 404(b) (1) Guidelines (40 CFR 230.12)

The discharge complies with the guidelines, with the appropriate and practicable conditions listed in the modified GPs to minimize pollution or adverse effects to the affected ecosystem.

GENERAL PERMITS
93-10-M3, 93-11-M3, 93-12-M3, 93-13-M3, and 93-14-M3

DISCHARGES OF DREDGED OR FILL MATERIAL IN
THE MUNICIPALITY OF ANCHORAGE

EFFECTIVE DATE: _____ **EXPIRATION DATE:** _____

Pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344), and in accordance with Title 33, CFR 325.2(e)(2), the District Engineer, Alaska District, U.S. Army Corps of Engineers (Corps), hereby modifies and renews Regional General Permits (GPs) for the discharge of dredged or fill material into certain wetlands within the Municipality of Anchorage, Alaska.

AREAS INCLUDED IN THESE GPs

These GPs apply to the wetlands identified in **Attachment A**. These wetlands generally include **most** of those designated as "C" in the Municipality's April 1996 Anchorage Wetlands Management Plan (AWMP), as well **as currently undesignated wetlands identified in Table 2 (Attachment A)**. Permit applicants are strongly encouraged to be sure that the wetland unit they intend to develop is covered by these GPs prior to making serious commitments.

Attachment E provides maps (E1-E6) of the locations of "C" designated wetlands and the remaining "U" designated sites (E7-E16) eligible for use of the GPs. These maps must be used in conjunction with Attachment A. Maps are available in **paper** copy from the Municipal Planning Department (907-343-7921) or the **Anchorage Field Office**, Corps Regulatory Division (907-753-2619). Updated maps are available through the Municipality of Anchorage's website, www.Muni.org <<http://www.Muni.org>> at: Advanced Mapper, http://munimaps.muni.org/mox52/advanced.cfm?action=mox52_if_frameset or Wetlands Atlas (Anchorage Bowl and Eagle River) <http://wms.geonorth.com/library/LibraryMaps.aspx>

The wetland boundaries on all of these maps are approximate. Entities interested in developing property encompassing or adjacent to the depicted wetlands should contact the **Anchorage Field Office**, Corps Regulatory Division, for a precise delineation of wetland boundaries.

When the AWMP Revision (1996) is revised, the Corps will consider the eligibility for the GPs of previously unmapped wetlands that are proposed to be designated "C" in the further revision. It is anticipated that **most additions would be in Eagle River and Chugiak**. The Corps would solicit comments on the addition of any sites. It is anticipated that the designations of sites now designated "C" (AWMP 1996) that are no longer eligible for the GPs (Attachment A) will be changed in the upcoming AWMP revision.

AREAS EXCLUDED FROM THESE GPs

These GPs **do not** apply to marine or estuarine waters, streams, rivers, lakes, or ponds, "A" or "B" wetlands (as designated by the AWMP), nor to unmapped or undesignated wetlands, unless specifically identified in **Table 2 (Attachment A)**. Certain portions of "C" wetlands are also excluded from eligibility for the GPs, as indicated in **Table 1 (Attachment A)**.

AUTHORIZED ACTIVITIES

NOTE: These GPs do not supersede the Municipality's authority to determine project compliance with Title 21 Land Use or other Municipal requirements, as applicable.

GP 93-10-M3 (Residential Development)

Authorizes site preparation and other discharges of dredged or fill material for residential developments, including primary and attendant structures, driveways, garages, sheds, on-site utilities, and yards.

Limitations:

- 1) Building heights may not exceed 50 feet; and,
- 2) Fill and mechanized land clearing for driveways may not exceed 40 feet in width or 200 feet in length in wetlands; and,
- 3) This GP is intended primarily for use by current or future occupants of individual lots and/or builders or contractors thereon. For development of residential subdivisions, permitting shall follow a tiered approach, under which:
 - a) the subdivision developer (or his designee) will obtain concept approval of the subdivision, but receive authorization only for development of the infrastructure (e.g., roads, trails, shared utilities) and other communal amenities (e.g., neighborhood parks, water quality facilities). Such authorizations will be under GP 93-11N, and/or 93-12N, described below); and,
 - b) individual builders, contractors and/or lot owners will obtain authorization (under GP 93-10N) for development of individual lots, including mechanized land clearing and grading.

GP 93-11-M3 (Linear Infrastructure Development)

Authorizes site preparation and other discharges of dredged or fill material for certain roads (as limited below), as well as linear utility installations and associated attendant features.

Limitations:

- 1) The total width of fill and mechanized land clearing for the road corridor—including trails, sidewalks, landscaping, and drainage swales—may not exceed 75 feet; and,
- 2) New arterial roads, as defined in the Anchorage Municipal Code at Title 21.35.020 (or future updates) are not eligible for this GP. Work on arterials is limited to:
 - a) minor widening;
 - b) addition of turn lanes at individual intersections;
 - c) minor modifications to existing on- and off-ramps;

- d) installation or modification of lights and traffic control/warning devices;
- e) construction or modification of bus stops or other similar transit facilities;
- f) landscaping and fencing;
- g) installation of guard rails and other safety measures;
- h) improvements for sight distance; and,
- i) minor, general maintenance, including ditch cleaning and drainage structure repair or replacement.

GP 93-12-M3 (Commercial, Institutional and Community Development)

Authorizes site preparation and other discharges of dredged or fill material for commercial, institutional and community developments, including parking areas.

Limitations:

- 1) Commercial activities are limited to businesses defined in the Anchorage Municipal Code at Title 21.35.020 and 21.40.130 through 21.40.190 (or future updates); and,
- 2) This GP does not authorize projects that include:
 - a) direct discharge of wastewater to waters of the U.S.;
 - b) underground fuel storage tanks;
 - c) new stationary sources of air pollution point source, other than normal heating and power for buildings;
 - d) maintenance activities that may cause releases or spills of hydrocarbons that could run off into waters of the U.S.;
 - e) storage of hazardous materials or wastes, as defined by the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6901 et seq.; or
 - f) use of hazardous substances (as defined above) other than de minimis use of common substances for minor, routine cleaning and maintenance incidental to the primary purpose of the permitted activity.

GP 93-13-M3 (Industrial Development)

Authorizes the discharge of dredged or fill material for certain industrial and storage facilities (as limited below) and attendant features, such as offices, salesrooms and parking areas.

Limitations:

- 1) Products assembled, stored and/or distributed as a primary purpose of the activity are limited to those constructed of inert materials, such as concrete, steel or wood, excluding any treated with preservatives other than paint; and,
- 2) Outdoor storage and distribution is limited to marshalling yards where commercial or industrial products are stored and/or organized for distribution; and,
- 3) This GP does not authorize projects that include, as a primary activity:
 - a) equipment repair or servicing, other than minor, routine operations on equipment that is incidental to the primary industrial activity;
 - b) commercial automobile repair garages;
 - c) natural resource product processing;
 - d) gravel or peat mining;
 - e) dry cleaning operations;
 - f) hazardous waste disposal;
 - g) battery transfer yards; or,
 - h) fuel storage sites; and,
- 4) This GP does not apply to projects that include:
 - a) direct discharge of wastewater to waters of the U.S.;
 - b) underground fuel storage tanks;
 - c) new stationary sources of air pollutants, other than normal heating and power for buildings;
 - d) maintenance activities that may cause releases or spills of hydrocarbons which could run off into waters of the U.S.;
 - e) storage of hazardous materials or wastes, as defined by the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C. 6901 et seq.; or,
 - f) use of hazardous substances (as defined above) other than de minimis use of common substances for minor, routine cleaning and maintenance incidental to the primary purpose of the permitted activity.

GP 93-14-M3 (Wetland Restoration and Enhancement)

Authorizes site preparation and other discharges of dredged or fill material for wetland, habitat and water quality restoration or enhancement projects.

SITE RESTRICTIONS, DESIGN CRITERIA AND CONDITIONS OF AUTHORIZATION

To ensure that the GP-authorized activities shall have minimal individual and cumulative environmental impacts, they are strictly governed by not only the **Limitations** described above, but also the Site Restrictions and Design Criteria applicable to specific sites, as described in **Attachment B**. All individual GP authorizations also will be governed by Project-specific and General Conditions outlined in **Attachment C**, as applicable, and any additional conditions determined, as a result of Corps or Municipal review, to be necessary to ensure minimal impact to aquatic resources.

APPLICATION, REVIEW AND ENFORCEMENT PROCEDURES

Application: Except as described below, all project proponents desiring to discharge dredged and fill material in wetlands under the terms of these GPs shall submit an application packet to the Municipal Planning Department. The application packet may be downloaded from the Municipal website at <http://www.muni.org/Departments/Planning/Physical/EnvPlanning/Pages/WetlandPermit.aspx> or by contacting the Municipal Planning Department.

Should the review process initiated by the Municipality result in a determination that the GPs do, in fact, apply to the project, the applicant will receive a conditioned verification signed by the Corps or an Opinion of Compliance (OC) to review. The GP authorization will not take effect and work will not be authorized until the verification or OC is signed by both the applicant and the Corps (for a verification) or Municipal Planning Department staff (for an OC) and all fees, including any mitigation fees, are paid.

GP applications submitted by applicants and/or agents with outstanding 404 wetland violations **will not** be accepted or reviewed until the outstanding violation and/or enforcement action is resolved and closed.

Applicants and/or agents with outstanding 404 wetland violations include the following:

- a. Applicant business entities, an officer or director of which is the subject of an outstanding Section 404 violation.
- b. Applicant business entities owned or controlled by an individual, who is the subject of an outstanding Section 404 violation.

Such applicants may elect to submit an individual permit application to the Corps.

NOTE: These GPs do not require notification directly to, or verification directly from, the Corps. If so desired, however, the project proponent may seek such verification by submitting the application packet directly to the Corps Regulatory Division, **Anchorage Field Office**, instead of to the Municipal Planning Department.

Additionally, a request for a time extension to complete permitted work or a change in design or purpose, will require a new verification or opinion of compliance.

Municipality of Anchorage (Planning Department) Role:

Review. Except for those GP applications submitted directly to the Corps, the Municipality reviews applications to assess completeness and ascertain the applicability of the GPs to the proposed project. **Once the GP application is considered complete, the Municipality will forward the application to the Corps requesting a permit reference number before proceeding.** If the application is deemed incomplete or the project ineligible, the Municipality will advise the applicant of any additional information or project revisions that are necessary to proceed under the GPs (or local construction and permit requirements). The Municipality will forward all applications for projects that are not eligible for the GPs to the Corps for consideration under either Nationwide or Individual permit processes.

Depending on the type and size of the proposed GP-eligible project, the Municipality will initiate a General Permit Application Coordination (GPAC), as part of the review process. Projects requiring GPACs are as follows:

GP#	Type of Project	Extent of Wetlands Involved	GPAC Required?
93-10N (residential development)	Subdivision, developing more than one individual lot	Any	Yes
	Crossing of Unmapped Waterway	Any	Yes
	Single lot residential development	<16,500 square feet (sf)	No
		>16,500 sf	Yes
93-11N (linear infrastructure development)	Arterial Road	Any	Yes
	Residential Subdivision Infrastructure	Any	Yes
	Crossing of Unmapped Waterway	Any	Yes
	Other	<16,500 sf	No
		>16,500 sf	Yes
93-12N (commercial, institutional & community development)	Crossing of Unmapped Waterway	Any	Yes
	Other	<16,500 sf	No
		>16,500 sf	Yes
93-13N (industrial development)	Any	Any	Yes
93-14N (wetland restoration & enhancement)	Any	Any	Yes

For projects that do require a GPAC, the Municipality's initial review and actions to ensure the application is complete will be followed by:

- 1) transmittal of the application packet to the Corps, as well as Federal and State resource agencies (i.e., Environmental Protection Agency, U.S. Fish and Wildlife Service, National Marine Fisheries Service, and Alaska Departments of Environmental Conservation, Fish and Game, and Natural Resources (Offices of Habitat Management and Permitting, and Project Management and Permitting));
- 2) a five-working-day initial review period, during which time agencies will notify the Corps if they have any concerns about the proposal;
- 3) an additional five-working-day agency comment period, during which time agencies will provide additional information and/or suggested conditions to the Corps; and,
- 4) direction from the Corps to the Municipality regarding how any concerns are to be resolved.

Upon receiving direction from the Corps, the Municipality will proceed with supplying either an opinion of compliance or a Corps-signed conditioned verification to the applicant, as above.

For projects that **do not** require a GPAC, the Municipality will determine what, if any, Special Conditions are necessary, and supply a conditioned OC for the applicant's review and acceptance. The OC takes effect and becomes official once signed by both parties. The OC is not legally binding on the Federal government, but is intended to provide a measure of assurance that the proposed project will comply with the terms and conditions of the GPs. The Municipality will confer with the Corps on questionable or borderline proposals before supplying the OC.

Compliance: The Municipality will inspect sites of GP-authorized work, to determine whether the work is being, or has been, performed in conformance with the terms and conditions of these GPs. Should an activity appear not to be in compliance with the GPs, the Municipality will expeditiously report the apparent non-compliance to the Corps and/or take measures to resolve the violation, within its independent authority **through the Development Services Department, Land Use Enforcement Division.**

Corps of Engineers (Regulatory Division) Role:

Review: For proposals that require a GPAC, the Corps will receive agency input and determine what, if any, project revisions and/or Special Conditions are necessary to alleviate agency concerns and otherwise ensure that the project would have minimal adverse impacts, both individually and cumulatively. The Corps will then **either** instruct the Municipality as to how to complete either an OC or **provide** a Corps-signed verification.

Enforcement: As described above, the OC prepared by the Municipality provides a level of assurance regarding GP applicability, but is not legally binding on the Federal government.

The final determination remains with the Alaska District Engineer, and the Corps retains its full responsibility and legal authority both to take enforcement action and to suspend use of the GPs at any time it determines that an activity is not in compliance with the GPs, even if the Municipality has completed an OC.

The District Engineer, or his designated representative(s), may inspect sites of GP authorized work at any time deemed necessary, to determine whether the work is being, or has been, performed in conformance with the terms and conditions of these GPs. Should the Corps determine that an activity is not in compliance with the GPs, appropriate measures will be taken to resolve the violation, in accordance with 33 CFR Part 326 and Section 309 of the Clean Water Act. Such measures could include a requirement to implement corrective measures, remove fill and/or restore any areas affected by the noncompliance, issuance of an administrative penalty, and/or initiation of legal action.

GENERAL PERMIT PROGRAM ADMINISTRATION

Municipality of Anchorage (Planning Department):

Inspections: The Municipality shall inspect at least 20% of the activities authorized by the GPs each year, to determine whether the work is being, or has been, performed in conformance with the terms and conditions of these GPs.

Quarterly Reports: On a quarterly basis, the Municipality shall provide the Corps with the following information on GP activities for that quarter:

- 1) copies of all applications and required supporting documentation/analyses;
- 2) total acreage of wetland fill and mechanized land clearing verified, by watershed;
- 3) copies of all verifications and OCs; and,
- 4) a log, by watershed, of the GP sites inspected, including findings and actions taken.

Reports shall be submitted by the 10th of the month following the end of each calendar year quarter.

Annual Reports: By January 15th of each year, the Municipality will provide the Corps with the following information on GP activities for the preceding year:

- 1) total number of verifications and OCs provided, by watershed;
- 2) total acreage of wetland fill mechanized landclearing verified and for each GP, by watershed;
- 3) total cubic yards of wetland fill involved, by watershed;
- 4) average processing time per application; and,
- 5) total number of GP sites inspected, by watershed.

Corps of Engineers (Regulatory Division):

Biannual Meetings: The Corps will convene at least two interagency meetings each year (e.g., late spring and late fall) to review the Municipality's GP administration and inspect authorized activities. In addition to the Municipality, invitees shall include the Environmental Protection Agency, National Marine Fisheries Service, U.S. Fish and Wildlife Service, and Alaska Departments of Environmental Conservation, Fish and Game, and Natural Resources (Offices of Habitat Management and Permitting, and Project Management and Permitting).

Expiration and Reissuance: Upon expiration of these GPs in 5 years, the Corps will evaluate the program and decide whether the GPs should be renewed.

Suspension, Modification or Revocation of these GPs: The Corps may reevaluate its decision to issue these GPs at any time circumstances warrant, including, but not limited to instances in which:

- 1) the Municipality revises the 1996 AWMP prior to expiration of these GPs;
- 2) the Municipality is party to violations of the Clean Water Act;
- 3) it appears that the individual or cumulative adverse effects of the authorized activities are more than minimal, or otherwise unacceptably impacting the public interest; or,
- 4) significant new information surfaces which the Corps did not consider in reaching the original public interest decision, including changes in applicable State Water Quality Standards.

In such instances, the Corps will assess whether suspension, modification or revocation of the GPs is in the public's interest, and will initiate the procedures described in 33 CFR 325.7. Modification of the GPs could eliminate the Municipality's role in reviewing applications and providing GP verifications and OCs, thus requiring all applicants to seek authorization directly from the Corps. Direct application to the Corps would also be necessary if the GPs were revoked. In the event of revocation, the District Engineer would decide, on a case-by-case basis, how to address individual activities authorized prior to revocation.

Policy on "A" and "B" Wetlands: These GPs generally apply to most of the wetlands designated as "C" in the 1996 AWMP. Based on this relationship between the GPs and the AWMP, the Corps has also adopted a policy by which it implements its responsibilities under Section 404 of the Clean Water Act, with respect to other wetlands in Anchorage. This policy is in **Attachment D.**

List of Attachments to 2010 General Permits (GPs)

Attachment A, Table 1: Eligible/Ineligible "C" Wetlands, pages A1-A10

Attachment A, Table 2: Eligible Unmapped Wetlands, page A11

Attachment B: General Permit Project Site Restrictions and Design Criteria, pages B1-B3

Attachment B, Table 3: Site Restrictions and Design Criteria. This table shows which sites have certain site restrictions and design criteria, pages B4-B19.

Attachment B, Table 4: Site Restrictions and Design Criteria, Unmapped Wetlands, page B20

Attachment C: General Permit Authorization Conditions, pages C1-C7.

Attachment D: Corps of Engineers Anchorage Wetlands Policy, page D1.

Attachment E: Maps provided as a guide to the general location of wetland units designated "C" in the AWMP Revision, April 1996, pages E1-E6, and pages E7-E16 showing locations of "U" designated sites still eligible for GPs.

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

ANCHORAGE BOWL					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
1	1	SE Terminal Rd./Roger Graves Rd	x		
5	11	NE Intersection Mountain View Dr./Glenn Hwy.	x		
6	13	SW Intersection Turpin/Glenn Hwy.	x		x
	14	Turpin Park, SE Intersection Oklahoma/Peck	x		
7	12,23	Russian Jack Park, Both Sides of DeBarr Rd.	x		x
10	36	NW Intersection 32nd/Pussywillow	x		x
10a	36	Chugach Foothills Park, South of Sycamore Loop	x		
11	25	Susitna Elementary School Pond	x		
		SW Intersection Muldoon/Ptarmigan	x		
		NW Intersection Muldoon/Northern Lights: West of Carrs	x		
12	36	Muldoon Park, SW Intersection Northern Lights/Muldoon	x		
13	35	SW Intersection Northern Lights/Patterson	x		x
14A	24	SW Intersection Patterson/Sherwood		x	
16	35	East of Image Dr, between Keyann and Ridgelake	x		
17	23	North of Northern Lights & West of Pine St. ROW	x		
17A	23	North of Northern Lights, Both Sides of Wesleyan	x		x
18	22,23,30	South of Northern Lts/Bragaw (Goose Lake vicinity)	partially	Map 22: south 500' of wetlands between trail & Bragaw ROW	
	23	South of Northern Lights & West of Pine St. ROW	x		
18A	33	South of Mosquito Lake, Between Bike Trail & Providence Dr.	x		
		NW University/Veco DR (SE of Mosquito Lake)	x		
18D	33	NW Intersection, UAA Dr./Scoter	x		
19	22	NW Intersection, Northern Lights/Bragaw (4 sites)	x		
21B	21	SW Intersection 15th/Lake Otis	x		
22	20	North of Chester Creek & West of C St.	x		x
		North of Chester Creek, Between C St. & A St.	x		x

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

ANCHORAGE BOWL (cont'd.)					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
25	29	Along 32nd, West of Wisconsin (multiple sites)	x		x
		NW Corner, Lake Hood Elementary	x		
		NW Intersection 40th/Wisconsin	x		x
		SW Intersection 40th/Andree	x		
		SW Intersection 40th/Beechcraft	x		
26A	17	South of Northern Lights, outlet of Turnagain Bog (2 sites)	x		
	27	NE Intersection Postmark/Sikorsky	x		
	28	Turnagain Bog Proper, Snow Dump to Aircraft Dr (6 sites)	x		x
26B	28	South End, East Turnagain Bog: Lakeshore Drive and 43rd	x		
26C	16,17	NE Intersection Northern Lights/Postmark Dr.	x		
	17	East of Earthquake Park	x		
27	26	At Coastal Trail, South of Point Woronzof (2 sites)	x		
29A	52	NW Intersection Raspberry/Air Guard	x		
30	52	West of DeLong Lake & East of Air Guard Dr		x	
		SE of DeLong Lake, along Jewel Lake Rd	x		
31A	41	SW Intersection International/Northwood		x	
	42	NE intersection International/Northwood		x	x
		NW Intersection International/Minnesota Off-ramp	x		x
34A	42	SE Intersection, International/Minnesota Off-ramp	x		
	54	Between Blueberry Lake & Interstate Cir.		x	x
		NW Intersection, Seafood/Ressel	x		
34C	54	SE Intersection Minnesota/Raspberry	x		x
34E	53	SE Intersection Raspberry/Timothy	x		
		Between Northwood and Timothy Cir		x	

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

ANCHORAGE BOWL (cont'd.)					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
34F	67	North of Strawberry Rd. & West of Minnesota	x		x
		SW Intersection Strawberry/80th	x		x
		SE Intersection Strawberry/80th	x		x
		South of Strawberry Rd. & West of Berry Patch		x	x
35	53	East of Gladys Wood Elementary: West of Arlene, at 71st	x		
36	66	Hathor Subdivision, West of Northwood, at 83rd	partially	lots along north edge	x
36A	66	Along Creek, 88th to Blackberry	x		
37B	65	Victoria Park Subdiv, NW Intersection 80th/Charlotte		x	x
37C	65	NW Intersection 82nd/Sue		x	x
37E	52	Adjacent to Pond, NE Intersection 72nd/Bailey	x		
		NW Intersection 72nd/Setter	x		
		NW Intersection Caravelle/Hunter	x		
38A	44	West of New Seward & North of 50th		x	x
		NE Intersection Old Seward/International		x	x
		NE Intersection International/Juneau	x		
		NE Intersection New Seward/Alpenhorn	x		
38B	55	South of 64th & East of Hampstead		x	x
		NW Intersection 72nd/Michelin	x		x
38C	55	C St. ROW, Dowling to 76th		x	x
		North of 64th, between B & C St.		x	x
		North of 68th, East of Railroad	x		x
		North of 68th, at Greenbelt	x		
		North of 70th & West of C St.		x	x
		Between 68th & Railroad, at Greenbelt		x	x
40	43	West Side, Business Park Blvd.	x		
40B	43	46th to International, C St. to Cordova	x		x

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

ANCHORAGE BOWL (cont'd.)					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
41	31	36th to 40th, A St. to C St.	x		x
		Cuddy Park	x		
		SW Intersection 40th/Denali		x	x
		SW 40th/Fairbanks	x		
		NE Intersection Tudor/B St.	x		x
		NE Intersection Tudor/Denali	x		x
46	43	West of Old Seward, between 57th & Dowling	x		
	44	56th to Dowling, West of New Seward Hwy		x	x
		North of Dowling, New Seward to Dow St.	x		x
		North of Dowling, Petersburg to Lake Otis	x		
47	45	NE Intersection Lake Otis/52nd	x		x
		SE Intersection Folker/52nd		x	x
		South End, Tudor Dog Track	x		
		SW Intersection Bragaw/48th		x	x
		North of Dowling, at Norm	x		x
48B	48	East of Tudor/Muldoon Curve & South of Klutina Dr.	x		
49West	46	South of Tudor & East of Bragaw	x		x
49East	47	South of ADOT/PF Maintenance Facility	x		
50	17a	South of Midden Way	x		
51	57	Lake Otis to Tondi/Genny, 68th to 72nd	x		
		South of 68th & East of Spruce	partially	Tract A, Crowberry Subdiv	x
		South of 68th & West of Elmore Rd	x		
		Lake Otis to Gray Wolf, 72nd to Lore	x		x
	70	South of Lore, Delridge to Snow View		x	x
		Nadine Park, North of 80th & East of Snow View	x		
		Mariah Subdivision, North of 80th at Snowview		x	
		North of 80th, Ladasa to Winchester	x		

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

ANCHORAGE BOWL (cont'd.)					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
52	57	South of 68th, at Pebblebrook	x		
		Both Sides of 72nd, Travis to Abbott Loop	x		x
		Tranquility/Randamar	x		x
		West of Winchester, 72nd to 74th	x		
	70	SE Lake Otis/Lore	x		x
		North of 80th, at Medellin	x		
		NW Intersection 80th/Abbott Loop	x		x
		SE Intersection 80th/Sandy (2 sites)	x		x
		Both Sides of 84th, at Raintree	x		x
53	57	South of Desiree Circle (remaining wetlands within setback)		x	x
54	56	SW Intersection, Dowling/Laurel	x		x
55	56	South of 63rd, at Lake Otis	x		x
		O'Brien: 68th to 72nd	x		x
56	56	NE Intersection, 64th/Ashwood (remaining wetlands preserved under permit)		x	x
		South of 64th at Burlwood			x
		Eastwood Park, North of 68th at Meadow (remaining wetlands within setback)		x	x
57	56	Seward Hwy to Meadow, 72nd to 74th	x		
		Meadow to Basel, 72nd to 74th	x		x
58	69	Sandlewood to Hartzell, Lore to 82nd (ponded areas excluded)	x	x	x
58B	69	SE Intersection, Seward Hwy/Dimond Blvd	x		x
59	68	87th to 92nd, C St to King St		x	x
		East of King Street, Dimond to 92nd	x		x
	77	West of Gambell, 92nd to 94th	x		x
60	67	West of Minnesota, Dimond to 92nd	x		x
	76	NW Intersection, Minnesota/100th	x		
	77	NE Intersection, C St/O'Malley	x		
		NE Intersection, C St/104th (Target store pond: wetlands preserved under permit)		x	x
60C	78	West of Seward Hwy & North of O'Malley	x		
61	74	Resolution Pointe Subdivision, North End of Chiniak Bay Dr	x		
62	83	Tract G-2A, Between Bayshore Lake & Bayshore Dr (preserved under permit)		x	
ANCHORAGE BOWL (cont'd.)					

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
62	83	Discovery Heights Subdivision	x		x
63	75	NE Intersection, Southport/Washington			x
		NW Intersection, Ensign/Halfhitch	x		
		NW Intersection, Ensign/Southport	x		
		South of Ensign, Ketch to Cutter (Tract A-2 preserved under permit)	x	x	x
	83	Tract G-2B, Between Bayshore Dr & Southport Dr (preserved under permit)		x	
		South of Bellvue Loop	x		
		SE Intersection, Old Klatt/Juniper	x		
64	84	Timberlane Park & Adjacent Lots, West of Timberlane, Woodmar to Hilltop	x		
	92	SE Intersection, Johns Rd/Huffman	x		
67	78	North of O'Malley & West of Independence Dr (2 sites; remaining wetlands ponded &/or have direct connection to creek)		x	
		North of O'Malley & East of Independence Dr (remaining wetlands within setback)		x	x
		West of Vanguard	x		
68	70	NE Intersection, Abbott/Lake Otis (remaining wetlands preserved under permit)		x	
		West of Spruce, 84th to Abbott (remaining wetlands within setback)		x	x
		East of Spruce, 84th to Abbott	x		x
70	80	Abbott:Elmore to Springhill, 98th to 104th		x	
72A	89	North of Moose Dr.	x		x
		Along Creek, West of Rockridge Dr	x		
		Along Creek, Lake-o-the-Hills to Rockridge Dr	x		
		Lake-o-the-Hills Cir to Alatna (wetlands within setback)	x		x
72B	90	Along 115th, Cobra to Trails End	x		x
		Along Creek, Woodbourne to Hillside Dr	x		
		North of Upper Huffman & W of Ginami	x		
72C	89	NE Intersection, Mountain Lake Dr/Stony Brook	x		
72F	88	South of O'Malley, Birch to Baronik	x		
	89	South of O'Malley, Rock Ridge to Birch	x		
ANCHORAGE BOWL (cont'd.)					

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
73	89	South of Downey Finch & West of Waxwing (2 sites)	x		
	96	North of DeArmoun, Between Alpine & Floral (wetlands entirely within setback)		x	
74	87	North of Huffman, Wagner to Cange (2 sites)	x		
		North of Huffman, Cange to Jerome	x		
75	86	NW Huffman & Silver Spruce Cir, Along Creek	x		
	87	NE Intersection, Lake Otis/Huffman	x		x
		North of Huffman, Woodway to Gander	x		x
77	94	East of Lake Otis, Merganser to Flyway	x		
78	100	Loc Loman to Sanderlin, North of Creek	x		
	101	East of Elmore & South of Manytell	x		
		South of 147th & East of Teton (impoundment of Elmore Creek; entirely encompassed by prev setback)		x	
79A	101	East of Buffalo St, 142nd to 144th	x		
80	102	North of Andover & West of Northfield	x		
82	102,103	NE of Bear Valley school, Including 149th & Hillside ROWs	x		
83	108	SW Intersection, Jamie/Carl	x		
		Jamie to Francesca, Carl to Nickleen	x		
		SW Intersection, Francesca/Nickleen	x		
		Jamie to Cinerama, Nickleen to east of Kings Way	x		x
		SE Francesca/Nickleen	x		
		Genevieve to Kings Way	x		x
84	108	NW Carl/Diane	x		
		NW Carl /Marino	x		
		West of Carl, Marino to Byron	x		
		NE Carl/Diane	x		
		SE Carl/Diane	x		
85	106	SE 162nd/ St. James	x		x
		SW 162nd/St. James	x		
85A	106	West of Fedosia, at Belarde	x		

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

EAGLE RIVER TO EKLUTNA					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
102	13	East of Thunderbird Creek, South of Eklutna River	x		
103	12	NW Thunderbird/Sandpiper	x		
		Thunderbird/Teal	x		
		SW Thunderbird/Sandpiper	x		
104	16,17	Glenn Hwy to Paradis Ln	x		
	12,16	NE Intersection, Paradis/Whalen	x		
106	18,19	North of Rankin Road	x		
107	17	Edmonds Lake Park, West of Glenn Hwy (2 sites)	x		
		Between New & Old Glenn, South of Edmonds Lake Exit	x		
109	25,26	North of Mirror Lake Dr	x		x
		South of Mirror Lake Dr	x		x
109A	26	East of Bear Mountain View Circle	x		x
112	27	North of Sierra Mesa Cir	x		
		Inside Sierra Mesa Cir	x		
		East of Sierra Mesa Cir	x		x
113	25	NE Intersection, Mirror Dr/Songbird Dr	x		
		South of Mirror Dr	x		
114	24	West of Sambar Lp, at Deer Park Dr	x		x
		NE Deer Park /Oberg, along the ravine		x	x
	24,25	Along Ravine, Oberg to Whispering Birch		x	x
	18,25	Along Ravine, Above Whispering Birch		x	x
	18	NW Sampson & Reese Rd (3 sites west of AWWU waterline)	x		
117	30,36	NE of Mink Lake	x		
117a	35	West of Birchwood Lp & South of Beverly	x		x
118	39	West of Old Glenn Hwy & North of Parks Creek	x		
119	37	East of Old Glenn Hwy, Amonson to Skyview (Muni property)	x		
120	37	CBA Park, NE of Old Glenn Hwy at Amonson	x		
	40	Glenn Hwy to Old Glenn, North of Parks Creek (3 sites)	x		x
121	35,40	NW Beach Lake Rd and Birchwood Lp Rd (along Parks Creek)	x		
	41	South of Beach Lake Road, Railroad to Birchwood Lp (5 sites)	x		x
	40	NE Intersection, Birchwood Lp/Beach Lake Rd	x		
		North of Chugiak High School to Parks Creek	x		
125	46	K&R St at Were St.	x		
		West of Cline, Hillcrest to Pioneer	x		x

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

EAGLE RIVER TO EKLUTNA					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
125	46	Cline to Glenn Hwy & Pioneer to Patches NW of Terrace and James	x		x
126	47	NE Glenn Hwy & South Birchwood Lp	x		
127	47	SW Old Glenn Hwy & Darby Rd	x		
130	49	Powder Ridge Subdiv: East Side of Fire Creek	x		
	49,50	North of Glenn Hwy, West Side of Fire Creek	x		x
132	50,51	West Powder Reserve, West of Powder Ridge Subdivisor	x		
133	50	Powder Ridge Subdiv & Powder Reserve: NE of Vasili Dr/Eklutna Park Dr	x		x
134	49	Along Fire Creek, Fire Lake to Glenn Hwy		x	x
		South of Fire Eagle Condominiums	x		
136	53	West of Glenn Hwy, Opposite Breckenridge Dr	x		
137	54	South of Schroeder & East of Iris	x		
138	54	Between Springbrook & Dee Ln	x		
144	73	East of Eagle River Loop Rd, South of Eagle River Bridge	x		
144A	62	East End, Eagle Pointe Subdiv & Greenbelt to North	x		
145	72	NW of Bernard at Bert Cir	x		
		North of East Stonehill Drive	x		
146	63	Eagle Crossing Subdiv (3 sites)		x	x
		Eagle River Greenbelt (3 sites)	x		

ATTACHMENT A--TABLE 1
Anchorage GPs--Eligible/Ineligible "C" Wetlands

TURNAGAIN ARM					
Wetland Unit	Map #	Site Description/Location	Eligible for GPs	Not Eligible for GPs	Developed/ Under Development
171	7	Bird Creek Regional Park, North of Seward Hwy. (4 sites)	x		
	8	Bird Creek, South Side of Hwy.		x	
		Bird Creek, Along Railroad	x		
172	8	South of Bird Creek	x		
173	10	Bird Flats to Bird Point, North of Seward Hwy. (2 sites)	x		x
	11,12	Along Railroad, West of Bird Point	x		
180	42	Portage, East of Seward Hwy.	x		
202	25	West of Alyeska Hwy & South of Railroad	x		
203	25	Alyeska Hwy. to Main St.	x		
		Main Street to East St.	x		x
208	23,25	West of Alyeska Hwy: Railroad to north of Dorar	x		x
210	23	West of Alyeska Hwy., at Juniper	x		
212	22	West of Barren Ave.	x		x
213	21,22	Alyeska Hwy. to Alpina: Timberline to Barren Ave.	partially	patterned ground/ headwaters area, SE Alpine View Estates	x
		West of Alta	x		x
		SW Timberline at Alta	x		
		NW Vail/Gstaad	x		
		NW Vail/Vail Cir	x		
		NW Vail/Alpine Meadows Ave.	x		
		SW of Vail, at Stowe	x		
		East of Vail, Between Kitzbuhel & Lovelanc	x		
214	21	West of Alpine Meadows Ave: Donner to Cortina	x		
		West of Alpine Meadows Ave: Cortina to Davos	x		
		East of Alpine Meadows Ave: Cortina to Brightor	x		
218	19,21	NW Aspen Mtn Rd at Arlberg	x		

Attachment A -- Table 2

Anchorage GPs--Revised Areas Eligible for GPs of Previously Unmapped Wetlands

Anchorage		
Wetland Unit	Map #	Site Description/Location
U-2	36	Muldoon Road: E. 36th to Pioneer Dr.
U-3	29	Woodland Park: 34th to 36th Ave.
U-6	45	SW Tudor and Elmore Rd.
U-7	56	SE 69th and Rosewood St.
U-8	89	Moose Road: NE Birch Rd and Huffman ROW
U-10	108	Bear Valley: Marino, Byron, Diane Dr.
U-10a	112, 29A	Kings Way ROW, South of Paine Rd.
U-10b	107	Shangrila East, Views of Prominence Subdivisions
U-11	102	NE Goldenview Dr. at 156th St
U-12	110	Legacy Pointe Subdivision

ATTACHMENT B

GENERAL PERMIT PROJECT SITE RESTRICTIONS AND DESIGN CRITERIA

Setback Where there are wetlands along or around a stream or waterbody, the project shall include and maintain a non-disturbance setback, measured horizontally from the ordinary high water mark, as specified in Table 4. The setback extends only as far as the outer edge of the adjacent wetland boundary. Setbacks greater than 25 feet wide do not extend into nonwetlands. For previously unplatted residential subdivisions, the setback area shall be tracted out, rather than being included in individual lots.

Projects on sites requiring setbacks shall include a permanent fence, either split-rail or other, to serve as a physical barrier that maintains the integrity of the non-disturbance setback. This fence shall be placed on the proposed new fill, outside of the setback. Both the setback area and the fence shall be clearly depicted on the proposed plans submitted with the GP application.

Notes:

- 1) Applicants should contact Municipal Planning or Corps Regulatory staff to obtain or confirm delineation of the setback;
- 2) For currently unmapped waters, standard setbacks shall be:
 - a) 100' from streams supporting anadromous fish species, whether catalogued by the Alaska Department of Fish and Game, or otherwise so documented;
 - b) 85' from headwater streams, defined as those reaches upstream of the point at which the average annual flow is less than 5 cubic feet per second;
 - c) 85' from springs, defined as areas of permanent or seasonal discharge of groundwater that serve as a source for streams or drainageways;
 - d) 65' from lakes, ponds or similar water bodies having a minimum permanent surface area, at ordinary high water, of 2,500 square feet;
 - e) 65' from streams that are neither anadromous nor headwaters, as defined above; and,
 - f) 25' from natural or constructed drainageways, as defined and/or mapped by the Municipal Watershed Management Section.
 - g) All references to a 25-foot Municipality of Anchorage (MOA) setback in the GP tables shall be changed to a 50-foot setback if and when the Municipal Assembly passes the new Title 21.

For currently unmapped streams and drainageways, the GPs will allow road, driveway and/or utility crossings of the waterway and/or the setback area, so long as there are no other practicable alternative routes.

Buffer The project shall include and maintain a non-disturbance buffer area, as specified in Table 4. Projects on sites requiring a buffer shall include a permanent fence, either split-rail or other, to serve as a physical

barrier that maintains the integrity of the non-disturbance buffer zone. This fence shall be placed on the proposed new fill, outside of the buffer zone. Both the buffer area and the fence shall be clearly depicted on the proposed plans submitted with the GP application.

Note: Applicants should contact Municipal Planning or Corps Regulatory staff to obtain or confirm delineation of the boundary between the "C" wetlands and the adjacent "A" or "B" wetlands where the buffer area will be marked.

Construction Timing Window To protect nesting migratory birds, as required by the Migratory Bird Treaty Act, no work (i.e., clearing, grading, excavation, stockpiling, or placing of fill) may occur on the site between April 15 and July 15, unless: a) the site is sufficiently disturbed prior to April 15 to eliminate suitable nesting habitat; and, b) construction activity will occur continuously through June 15.

Note: Clearing or other disturbance of the site prior to April 15 may require Corps or other authorization.

Wetland Delineation The applicant shall obtain or provide a delineation of the site's upland/wetland boundaries and, where applicable, the boundary between the "C" wetlands and adjacent "A" or "B" wetlands. The applicant may either request such delineation from the Corps, or provide, for Corps approval, a delineation performed by a qualified third party. The delineated boundary(ies) shall be clearly depicted on the proposed plans submitted with the GP application.

Surface Water Features The project shall incorporate design features and construction methods to maintain flow of surface water across the site. To accommodate this requirement, the applicant shall assess the project site to identify drainage patterns and previously unmapped surface conveyances, such as streams and drainageways. These features must be field verified by Corps Regulatory, or Municipal Planning Department or Municipal Watershed Management Division (WMS) staff. The role of WMS is to define and map the water body in question and provide hydrological information relative to the project site as requested. WMS maps are available online at <http://wms.geonorth.com/library/LibraryMaps.aspx> <<http://wms.geonorth.com/library/LibraryMaps.aspx>> and on Advanced Mapper http://munimaps.muni.org/mox52/advanced.cfm?&action=mox52_if_frameset <http://munimaps.muni.org/mox52/advanced.cfm?&action=mox52_if_frameset> The applicant shall contact the Division of Coastal and Ocean Management (tel.269-7470), Alaska Department of Natural Resources, if the proposed project will cross any surface flowing waterway.

Surface flow features shall be clearly depicted, along with any appropriate setback(s), on the proposed plans submitted with the GP application, as shall the measures proposed to maintain such flows. Cross-drainage, may be directed around the development area, but the project must maintain downstream flows similar in quality, quantity and direction to the pre-project condition. As discussed under Setbacks, the GPs may allow crossing s of unmapped waterways, but do not authorize permanent diversions, channelization, or other alteration.

Local Flooding The project shall incorporate design and construction features/methods necessary to ensure that the proposed project will not cause flooding of adjacent, upstream, or downstream properties and public

infrastructure. This includes, but is not limited to, maintaining/providing floodplain storage and not impeding the flow of floodwaters in areas mapped for flood hazards by the Federal Emergency Management Agency. Information on mapped floodplain areas can be obtained by contact the Municipality of Anchorage, Floodplain Management Program at 343-8023 or at <http://msc.fema.gov>.

Dewatering of Adjacent Wetlands The project must incorporate design and construction measures (e.g., trench blocks, impermeable subsurface membranes) necessary to ensure that it will not cause short- or long-term dewatering of wetlands outside the project footprint. Details of the proposed design features and construction methods, along with supporting documentation, shall be included in the GP application.

Stormwater Functions The applicant shall demonstrate that the project's plans include sufficient measures to effectively replace the site's pre-project stormwater retention and filtration capacity. The stormwater system shall retain to the maximum extent practicable the runoff from the first 0.5 inch of rainfall of a 1-year, 24-hour storm event. The post-development peak flow from a site shall not exceed 1.05 times the pre-development peak flow for the 10-year, 24-hour storm event. Treatment measures for pollutants shall be provided for all stormwater runoff from the site. Verification that the project's stormwater design meets this criterion must be obtained from the Municipality of Anchorage's Planning Department or its designee, and must be included with the GP application package before it will be considered complete.

Visual Screening The project shall incorporate permanent visual screening to protect adjacent, higher value wetlands or other waters from disturbances associated with the new development. The screening shall be at least 6 feet in height, and shall consist of solid wooden fencing, coniferous trees planted on 4-foot centers, or other similar feature. Proposed details, including materials, locations and timing of construction, shall be included in the GP application.

Attachment B - - Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

Note: The following Table outlines the Site Restrictions and Design Criteria applicable to each wetland unit covered by the GPs. **Attachment C** identifies Project-specific and General Conditions that may be applicable to an individual activity during construction and operation. Additional conditions may result from agency review of proposed projects.

Wetland Unit	Location	ANCHORAGE BOWL											
		Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
1	SE Terminal Rd./ Roger Graves Rd					X		X	X		X		
5	NE Glenn Hwy/ Mountain View					X			X		X		
6	Turpin Park					X			X		X		
	SW Turpin/ Glenn Hwy					X			X		X		
7	Russian Jack Park	25'	drainageways			X		X	X		X		
10	NW 32nd/ Pussywillow	65'	pond in south end	15'	"B" wetlands	X	X	X	X	X	X		
		25'	drainageways										
10a	Chugach Foothills Park					X			X		X		
11	Susitna School					X			X		X		
	SW Muldoon/ Ptarmigan					X			X		X		
	NW Muldoon/ Northern Lights					X			X		X		
12	Muldoon Park	25'	drainageways			X		X	X		X		
13	SW Northern Lights/ Patterson					X			X		X		
17	NW Northern Lights/Pine			15'	"B" wetlands	X	X	X	X	X	X	X	
17A	Northern Lights/ Wesleyan					X			X		X		
18	Goose Lake vicinity	65'	Goose Lake outlet	25'	"A" wetlands	X	X	X	X	X	X		
		25'	drainageways	15'	"B" wetlands								
	SW Northern Lights/Pine					X			X		X		
18A	South of Mosquito Lake	65'	Mosquito Lake	25'	"A" wetlands	X			X	X	X	X	
	NW University/ Veco					X			X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

Wetland Unit	Location	ANCHORAGE BOWL											
		Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
18D	NW UAA Dr/ Scoter			25'	"A" wetlands	X		X	X		X		
19	NW Northern Lights/Bragaw	100'	Middle Fork, Chester Creek (north site)			X			X		X		
21B	SW 15th/Lake Otis	65'	North Fork, Chester Creek			X		X	X		X		
22	NW Chester Creek/C St	100'	Chester Creek			X	X		X		X		
	NE Chester Creek/C St	100'	Chester Creek			X	X		X		X		
25	32nd/Wisconsin					X	X	X	X		X		meadow at 32nd/ McKenzie ROWs requires REV 2 mitigation
	Lake Hood Elementary					X			X		X		
	NW 40th/ Wisconsin					X			X		X		
	SW 40th/Andree			25'	"A" wetlands	X	X	X	X	X	X		
	SW 40th/ Beechcraft			15'	"B" wetlands	X	X	X	X	X	X		
26A	Turnagain Bog at Northern Lights	65'	Turnagain Bog outlet			X			X	X	X		
	Postmark/ Sikorsky					X		X	X	X	X		only land uses designated in Master Plan allowed
	Turnagain Bog Proper			25'	"A" wetlands	X	X	X	X	X	X		
				15'	"B" wetlands								
26B	East Turnagain Bog			15'	"B" wetlands	X	X	X	X	X	X		
26C	NE Northern Lights/ Postmark					X			X		X		
	East of Earthquake Park	65'	pond west of Chilligan	25'	"A" wetlands	X	X	X	X		X		
27	South of Point Woronzof	25'	drainageways			X		X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
34C	SE Minnesota/ Raspberry					X			X		X		
34E	SE Raspberry/ Timothy					X			X		X		meadow in east 125' requires REV 2 mitigation
34F	NW Strawberry/ Minnesota			15'	"B" wetlands	X	X	X	X	X	X		include measures to rehydrate bog to north
	SW Strawberry/ 80th					X			X	X	X		Tract I requires REV 2 mitigation
	SE Strawberry/ 80th					X			X		X		
35	East of Gladys Wood Elem					X			X		X		
36	Hathor Subdiv					X			X		X		
36A	88th to Blackberry	65'	tributary to Campbell Lake			X		X	X		X		
37E	NE 72nd/Bailey	65'	pond			X		X	X		X		
	NW 72nd/Setter					X		X	X		X		
	NW Caravelle/ Hunter					X		X	X		X		
38A	NE International/ Juneau	100'	Campbell Creek	25'	"A" wetlands	X			X		X		
	NE New Seward/ Alpenhorn			25'	"A" wetlands	X			X		X		
38B	NW 72nd/ Michelin					X			X		X		
38C	NE 68th/ Railroad					X		X	X		X		
	68th/Campbell Creek Greenbelt			25'	"A" wetlands	X		X	X		X		
40	West of Bus. Park Blvd.			25'	"A" wetlands	X			X	X	X		
40B	46th to International					X		X	X		X		
41	36th to 40th					X			X		X		Proposed activity must not adversely affect AWWU well at 40th/Barrow
	Cuddy Park	65'	pond			X			X		X		
	SW 40th/Fairbanks					X			X		X		
	NE Tudor/B St					X			X		X		
	NE Tudor/ Denali					X		X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
46	Old Seward/ 57th					X			X		X		
	56th to Dowling: West of Seward Hwy					X		X	X		X		
	Petersburg to Lake Otis					X			X		X		
47	NE Lake Otis/ 52nd					X			X		X		
	Tudor Dog Track			25'	"A" wetlands	X			X		X		
	Dowling/Norm			25'	"A" wetlands	X		X	X	X	X	X	
48B	South of Klutina					X		X	X		X		
49West	SE Tudor/ Bragaw			15'	"B" wetlands	X			X		X		
49East	South of ADOT					X			X		X		
50	South of Midden Way					X		X	X		X		
51	Lake Otis to Tondi/Genny, 68th to 72nd	100'	N Fk, Little Campbell Creek			X			X		X		
	SE 68th/Spruce	100'	N Fk, Little Campbell Creek			X			X		X		
	SW 68th/Elmore Rd	100'	N Fk, Little Campbell Creek			X			X		X		
	Lake Otis to Gray Wolf	100'	N Fk, Little Campbell Creek			X			X		X		
	Nadine Park	100'	N Fk, Little Campbell Creek			X			X		X		
	North of 80th, Ladasa to Winchester	100'	N Fk, Little Campbell Creek			X		X	X		X		
52	68th/ Pebblebrook					X			X		X		
	72nd/Abbott Lp					X			X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
52	Tranquility/Randam					X			X		X		
	Winchester, 72nd to 74th					X			X		X		
	SE Lake Otis/Lore					X		X	X		X		
	80th/Medellin					X		X	X		X		
	NW 80th/Abbott Loop					X		X	X		X		
	SE 80th/Sandy					X			X		X		
	84th/Raintree					X			X		X		
54	SW Dowling/ Laurel					X			X		X		
55	NW 63rd/Lake Otis					X			X		X		
	O'Brien: 68th to 72nd					X			X		X		
56	South of 64th at Burlwood	100'	North Fork, Little Campbell Creek			X	X	X X			X		
		100'	inactive creek channels			X							
57	Seward Hwy to Meadow					X			X		X		
	Meadow to Basel					X		X	X		X		
58	Sandlewood to Hartzell					X		X	X		X		
58B	SE Seward/ Dimond	65'				X		X	X		X		
59	East King St					X		X	X		X		
	West of Gambell, 92nd to 94th					X	X		X		X		
60	Dimond to 92nd					X			X		X		
	NW Minnesota/ 100th					X			X		X		
	NE C St/ O'Malley					X		X	X		X		
60C	NW Seward Hwy/ O'Malley					X	X	X	X		X		Compensatory mitigation shall be based on field determination of REV

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
61	Resolution Pointe	25'	drainageways			X			X				
62	Discovery Hts	25'	top of bluff above Bayshore Creek	25'	"A" wetlands	X			X				
63	NE Southport/Washington					X			X		X		
	NW Ensign/Halfhitch					X			X		X		
	NW Ensign/Southport					X			X		X		
	Ketch to Cutter			15'	"B" wetlands	X	X		X		X		
	Bayshore to Southport			15'	"B" wetlands	X	X		X		X		
	South of Bellevue					X			X		X		
	SE Old Klatt/Juniper					X			X		X		
64	Timberlane Park Area	25'	drainageways, especially at west end			X		X	X		X		
	SE Johns/ Huffman					X			X		X		
67	West of Vanguard					X			X		X		
68	84th to Abbott					X			X		x		
70	Abbott Lp/ Elmore to Springhill	100'	Craig & Little Campbell Creeks	25'	"A" wetlands	X	X	X	X		X		
72A	North of Moose	25'	drainageways			X		X	X		X		
	West of Rockridge	100'	S Fk Little Campbell Creek	25'	"A" wetlands	X	X	X	X		X		
		85'	springs										
	Lake-o-the-Hills to Rockridge	100'	Little Campbell Creek & tributary			X		X	X		X		
		85'	springs										
		25'	drainageways										

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
72A	Lake-o-the-Hills Cir to Alatna	100'	Little Campbell Creek tributary			X		X	X		X		
		25'	drainageways										
72B	Cobra to Trails End	85'	Craig Creek			X	X	X	X	X	X		
	Woodbourne to Hillside	100'	South Fork, Little Campbell Creek			X		X	X		X		
	NW Upper Huffman/Ginami					X		X	X		x		
72C	NE Mountain Lake/Stony Brook	85'	Craig Creek			X		X	X		X		
72F	Birch to Baronik	100'	South Fork, Little Campbell Creek			X		X	X		X		
	Rock Ridge to Birch	100'	South Fork, Little Campbell Creek	25'	"A" wetlands	X	X	X	X		X		
73	Downey Finch/Waxwing					X		X	X		X		
74	Wagner to Cange	65'	North Fork, Furrow Creek			X	X	X	X		X		
	Cange to Jerome	65'	North Fork, Furrow Creek			X	X	X	X		X		
75	NW Huffman/Silver Spruce Cir	65'	North Fork, Furrow Creek			X	X	X	X		X		
		65'	springs										
	NE Lake Otis/Huffman	25'	drainageways			X		X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
75	Woodway to Gander	65'	North Fork, Furrow Creek			X		X	X		X		
77	Merganser to Flyway					X			X		X		
78	Loc Loman to Sanderlin					X			X		X		
	SE Elmore/ Manytell	25'	drainageways			X		X	X		X		
79A	East of Buffalo, 142nd to 144th	25'	drainageways			X		X	X		X		
80	NW Andover/ Northfield	85'	tributary of Elmore Creek			X		X	X		X		portion in Conservation Easement (GLT)
82	Bear Valley Elementary	25'	drainageways	25'	"A" wetlands	X	X	X	X	X	X	X	
				15'	"B" wetlands								
83	SW Jamie/Carl	25'	drainageways			X		X	X		X		
	Jamie to Francesca	100'	tributary to Little Rabbit Creek			X		X	X	X	X		
		25'	drainageways										
	Jamie to Cinerama	100'	North Fork, Little Rabbit Creek			X	X	X	X	X	X		
		100'	tributary to Little Rabbit Creek										
		25'	drainageways										
	SW Francesca/ Nickleen	100'	South Fork, Little Rabbit Creek			X		X	X		X		
		25'	drainageways										

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

ANCHORAGE BOWL													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
83	SE Francesca/Nickleen	100'	S Fk, Little Rabbit Creek			X		X	X		X		
		25'	drainageways										
	Genevieve to Kings Way	100'	South Fork, Little Rabbit Creek			X	X	X	X	X	X		
		25'	drainageways										
84	NW Carl/Diane	25'	drainageways			X		X	X		X		
	NW Carl/Marino	25'	drainageways			X	X	X	X		X		
84	West of Carl:Marino to Byron	25'	drainageways			X	X	X	X		X		
	NE Carl/Diane	100'	South Fork, Little Rabbit Creek			X		X	X		X		
		25'	drainageways										
	SE Carl/Diane	25'	drainageways			X		X	X		X		
85	SE 162nd/St. James	25'	drainageways			X		X	X		X		
	SW 162nd/St. James	85'	tributary to Little Rabbit Creek			X		X	X		X		
		25'	drainageways										
85A	Fedosia at Belarde	65'	ephemeral pond in south end			X		X	X	X	X		
		65'	tributary to Little Survival Creek										
		25'	drainageways										

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

EAGLE RIVER/CHUGIAK													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
102	East of Thunderbird Creek	65'	waterways			X	X	X	X		X		
103	NW Thunderbird/Sandpiper	25'	drainageways			X			X		X		
	Thunderbird/Teal	65'	tributary to Thunderbird Creek			X			X		X		
	SW Thunderbird/Sandpiper	65'	creek			X		X	X		X		
104	Glenn Hwy to Paradis Lane	65'	creek X					X	X		X		
	NE Paradis/ Whalen	65'	creek			X		X	X		X		
106	North of Rankin Rd					X		X	X		X		
107	West of Glenn					X		X	X		X		
	Between New & Old Glenn					X		X	X		X		
109	North of Mirror Lake Dr	65'	Mirror Lake										
		65'	flow between Lots 22 & 23			X	X	X	X	X	X		
	South of Mirror Lake Dr	25'	drainageways			X	X	X	X	X	X		
109A	Bear Mountain View Circle	65'	seasonal pond										
		25'	drainageways			X		X	X	X	X		Compensatory mitigation shall be based on field determination of REV
112	North of Sierra Mesa					X		X	X		X		
	Inside Sierra Mesa	85'	tributary to Peters Creek			X	X	X	X		X		
	East of Sierra Mesa	85'	tributary to Peters Creek			X	X	X	X		X		
113	NE Mirror/ Songbird					X		X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

EAGLE RIVER/CHUGIAK													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
113	South of Mirror Drive					X		X	X	X	X		Compensatory mitigation shall be based on field determination of REV
114	Sambar at Deer Park							X					
	NW Sampson/Reese Rd					X		X	X		X		
117	NE of Mink Lake	200'	Mink Lake	25'	"A" wetlands	X	X	X	X	X	X		
117a	Birchwood/ Beverly					X	X	X	X		X		
118	NW Old Glenn/ Parks Creek	100'	Parks Creek			X		X	X	X	X		
119	Amonson to Skyview					X		X	X		X		
120	Glenn Hwy to Old Glenn, N of Parks Creek	100'	Parks Creek	25'	"A" wetlands	X	X	X	X		X		
121	NW Beach Lake Rd/Birchwood Lp	100'	Parks Creek			X		X	X	X	X		
	South of Beach Lake Rd: Railroad to Birchwood Lp	100'	Parks Creek			X		X	X	X	X		
	NE Birchwood Lp/Beach Lake Rd	25'	drainageways			X		X	X	X	X		
		100'	Parks Creek										
	North of Chugiak HS to Parks Creek	25'	drainageways			X		X	X	X	X		
		100'	Parks Creek										
K&R St at Werre	65'	tributary to Parks Creek	25'	"A" wetlands	X		X	X		X			
125	Hillcrest to Pioneer	25'	drainageways			X		X	X				
	Pioneer to Patches	100'	ephemeral pond in north end			X		X	X				
	NW James/Terrace					X	X	X	X	X	X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

EAGLE RIVER/CHUGIAK													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
126	NE Glenn Hwy/ South Birchwood					X		X	X		X		
127	SW Old Glenn/ Darby	85'	tributary to Fire Lake			X		X	X	X	X		
130	East of Fire Creek	100'	Fire Creek	25'	"A" wetlands	X	X	X	X		X		
	West of Fire Creek	100'	Fire & Carol Creeks	25' 15'	"A" wetlands "B" wetlands	X	X	X	X		X		
132	West Powder Reserve					X		X	X		X		
133	NE Vasili/Eklutna Park Dr			25'	"A" wetlands	X	X	X	X	X	X		
134	South of Fire Eagle	100'	Fire Creek	25'	"A" wetlands	X	X	X	X		X		
136	West of Glenn, at Breckenridge	65'	Eagle River Loop Creek			X		X	X		X		
137	SE Schroeder/ Iris					X		X	X		X		
138	Springbrook to Dee	65'	Eagle River Loop Creek			X		X	X		X		
144	SE Eagle River Lp Rd/Bridge	65'	tributaries to Eagle River			X		X	X		X		
144A	Eagle Pointe Subdiv & Greenbelt	100'	Eagle River			X	X	X	X		X		
145	NW Bernard/Bert	25'	drainageways			X	X	X	X		X		
	North of East Stonehill Drive	25'	drainageways			X	X	X	X		X		
146	Eagle River Greenbelt			25'	"A" wetlands	X	X	X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

TURNAGAIN ARM													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
171	Bird Creek Regional Park					X		X	X		X		
	Bird: between Hwy & Railroad					X		X	X		X		
172	South of Bird Creek					X		X	X		X		Needs survey for fish use
173	Along Seward Hwy, Bird Flats to Bird Pt					X		X	X		X	X	
	Along Railroad, West of Bird Pt.					X		X	X		X		
180	Portage	100'	Portage Creek and tribs			X		X	X		X	X	
202	SW Alyeska Hwy/Railroad			25'	"A" wetlands	X	X	X	X		X		
203	Alyeska Hwy to Main St					X		X	X		X		
	Main St to East St					X		X	X		X		
208	West of Alyeska Hwy: Railroad North to Doran					X		X	X		X		
210	West of Juniper					X		X	X		X		Compensatory mitigation shall be based on field determination of REV
212	West of Barren Ave.	100'	tributary to Glacier Creek	25'	"A" wetlands	X	X	X	X	X	X		Compensatory mitigation shall be based on field determination of REV
213	Alyeska Hwy to Alpina	85'	tributary to Glacier Creek			X		X	X	X	X	X	Compensatory mitigation shall be based on field determination of REV
	West of Alta	TBD	tributary to Glacier Creek	25'	"A" wetlands	X	X	X	X		X		Needs survey for use by anadromous fish
	SW Timberline at Alta					X		X	X		X		
	NW Vail/Gstaad					X		X	X		X		

Table 3
Anchorage GPs--Site Restrictions Design Criteria--"C" Wetlands

TURNAGAIN ARM													
Wetland Unit	Location	Site Restrictions						Design Criteria					
		Setback		Buffer		Construction Timing Window	Wetland Delineation	Surface Water Features	Local Flooding	Dewatering of Adjacent Wetlands	Stormwater Functions	Visual Screening	Other
		Width	From	Width	From								
213	NW Vail/Vail Cir					X		X	X		X		
	NW Vail/Alpine Meadows Ave.					X		X	X		X		
	SW Vail / Stowe	TBD	tributary to Glacier Creek			X		X	X		X		Needs survey for use by anadromous fish. Compensatory mitigation shall be based on field determination of REV
	Kitzbuhel to Loveland					X		X	X		X		
214	West of Alpine Meadows Ave: Donner to Cortina					X		X	X		X		
	West of Alpine Meadows Ave: Cortina to Davos					X		X	X		X		
	East of Alpine Meadows Ave: Cortina to Brighton					X		X	X		X		
218	NW Aspen Mtn Rd at Arlberg	85'	tributary to Alyeska Creek			X		X	X		X		Compensatory mitigation shall be based on field determination of REV

Attachment B--Table 4

Anchorage GPs--Site Restrictions Design Criteria--Unmapped Wetlands

Note: The following Table outlines the Site Restrictions and Design Criteria applicable to each wetland unit covered by the GPs. Attachment C identifies Project-specific and General Conditions that may be applicable to an individual activity during construction and operation. Additional conditions may result from agency review of proposed projects.

Anchorage Bowl												
		Construction Timing Window					Design Criteria					
Wetland	Location	Setback		Buffer		Construction	Wetland	Srfc water	Local	Dewatering of	Stormwater	Visual
Unit		width	from	width	from	Timing Window	Delineation	Features	Flooding	Adj. Wetlands	Functions	Screening
U-2	Muldoon Rd: E. 36th to Pioneer Dr.					x		x	x		x	
U-3	Woodland Park: 34th to 36th Ave.					x		x	x	x	x	x
U-6	SW Tudor and Elmore Rd.					x		x	x	x	x	
U-7	SE 69th and Rosewood St.	100'	LCC*			x		x	x	x	x	
U-8	Moose Road: NE Birch Rd and Huffman					x		x	x	x	x	
U-10	Bear Valley: Marino, Byron, Diane Dr					x		x	x	x	x	
U-10a	Kings Way ROW, South of Paine Rd.	100'	LRC*			x		x	x	x	x	
U-10b	Shangrila East, Views of Prominence	85'	trib. LRC*			x		x	x	x	x	
U-11	NE Goldenview Drive at 156th St.	85'	trib. LRC*			x		x	x	x	x	
U-12	Legacy Pointe Subdivision	85'	trib's			x		x	x	x	x	

* LCC = Little Campbell Creek

LRC = Little Rabbit Creek

Trib = tributary to a stream

ATTACHMENT C

GENERAL PERMIT AUTHORIZATION CONDITIONS

PROJECT-SPECIFIC CONDITIONS:

Note: The following Conditions will be added to each General Permit authorization, as applicable; additional conditions may be attached to General Permits as a result of agency reviews of proposed projects.

Time Limit GP authorization of this project expires on **(two years from date of verification/OC)**. If you need more time to complete the authorized activity, submit a request for extension under these GPs to the Municipal Planning Department prior to the expiration date. You may not continue work beyond the expiration date until receiving notification to that effect from the Municipal Planning Department or the Corps Regulatory Division.

Note: Permittees should allow at least one month for processing of extension requests.

Construction Window To protect nesting migratory birds, as required by the Migratory Bird Treaty Act, no work (i.e., clearing, grading, excavation, stockpiling, or placing of fill) may occur on the site between April 15 and July 15, except at sites which have been sufficiently disturbed by April 15 to eliminate suitable nesting habitat, and on which continuous construction activity will occur through June 15. In cases of a late spring, the developer may consult with USFWS as to whether continuing ground-disturbing activities between April 15 and May 1 would disrupt breeding and nesting; USFWS shall provide the results of this consultation to the Anchorage Field Office (Corps) in writing (e-mail acceptable) before work can be continued between April 15 and May 1.

Other Approvals Required Before Starting Work You must not disturb wetlands for this project until you have obtained all applicable Municipal and State approvals required for the work. These approvals include, but are not limited to:

Municipality of Anchorage:

- | | |
|--|--|
| <input type="checkbox"/> Land Use Permit | <input type="checkbox"/> Grading & Fill Permit |
| <input type="checkbox"/> Building Permit | <input type="checkbox"/> Right-of-Way Permit |
| <input type="checkbox"/> Flood Hazard Permit | <input type="checkbox"/> Utility Agreement(s) |
| <input type="checkbox"/> Rezoning Approval | <input type="checkbox"/> Preliminary Plat Approval |
| <input type="checkbox"/> Subdivision Agreement | <input type="checkbox"/> Stormwater Treatment Plan |
| <input type="checkbox"/> Parks Right-of-Entry Permit | <input type="checkbox"/> Wastewater Disposal |

Alaska Department of Environmental Conservation:

- | | |
|--|--|
| <input type="checkbox"/> Stormwater Treatment Plan | <input type="checkbox"/> Wastewater Disposal |
| <input type="checkbox"/> Soil Remediation Plan | |

If any of these—or other—approvals result in a change to the attached plans, you must provide a description of the change and a revised plan(s) to either Municipal Planning Department Staff or the Corps Regulatory Division, and may not proceed with the project until the change is authorized.

Fill Type Fill material shall not include organic, frozen, or other deleterious material. No rock or similar irreducible material with a maximum dimension greater than twelve (12) inches shall be buried or placed in fills.

Mitigation

No Speculative Fills: These GPs do not apply to speculative fills. For activities to comply with these GPs they must meet clearly demonstrated needs. When the stated purpose is building construction, the applicant shall include a copy of the Municipal building permit application and grade/fill permit application or Land Use Permit Application.

Fill Area Must be Minimized: The applicant must design his proposed project so as to minimize the area of wetlands needed to be filled. Any proposal shall be clearly justified based on need.

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). Mitigation in all its forms (avoiding, minimizing, rectifying, reducing or compensating) will be required to the extent necessary to ensure that the adverse effects to the aquatic environment are minimal. Compensatory mitigation will be required as necessary to ensure the project complies with the Federal Rule on Compensatory Mitigation: Compensatory Mitigation for Losses of Aquatic Resources; Final Rule (33 CFR Parts 325 and 332), dated April 10, 2008.

Offset Unavoidable Impacts Great Land Trust (www.greatlandtrust.org) updates the amount each year in February to reflect the annual percent change in the Consumer Price Index, as determined by the Alaska Department of Labor." Thus, no dollar amount will be specified in revised GPs. Except for inclusions in a few sites specifically indicated in GP [ref. ATTACHMENT B-TABLE 3] under "Other," for example, Wetland Unit 25: 32nd/Wisconsin, sites eligible for GPs will be treated as having a uniformly low Relative Ecological Value (REV). Thus, no site-specific mitigation debit/credit analysis is generally required for sites eligible for the GPs. For those few sites with inclusions having higher relative ecological value, an applicant may provide a mitigation project or conservation easement for review instead of paying a fee in lieu of mitigation for the higher value site. Given that these sites except for inclusions are eligible for GPs, no fee will be charged for buffers around the inclusions. The applicant must demonstrate an effort to avoid and minimize impacts to these inclusions with higher ecological values.

To offset the unavoidable adverse impacts of the project to the aquatic environment, you

___ shall (describe approved compensatory mitigation project and timeline, which will typically precede or run concurrently with construction of the development project. Approved plans and details for the mitigation project shall be included in the final permit packet).

___ shall provide an In-Lieu Fee in the amount of (\$X per acre) prior to disturbing wetlands for this project. You may either submit this fee directly to the Great Land Trust or other nonprofit conservation group with whom the Corps has a Memorandum of Agreement or request that Municipal Planning Department Staff forward it to them. In either case, the fee transmittal shall include both the GP reference number for the project and the extent of wetlands impact (square feet or acres) it is intended to offset.

Note: Excluding lots located in new subdivision developments, single family homes impacting less than 16,500 square feet of wetlands are exempt from this requirement.

Waterbody Setback(s) You must maintain a _____-foot non-disturbance setback from (waterbody name), as measured horizontally from its ordinary high water mark. This setback area shall be treated as "A" wetlands.

Wetland Buffer(s) You must maintain a _____-foot non-disturbance buffer from the ("A"/"B") wetlands to the (direction(s)) of the project site. This buffer area shall be treated in the same manner as the adjacent ("A"/"B") wetland. Projects on sites requiring a buffer shall include a permanent fence, either split-rail or other, to serve as a physical barrier that maintains the integrity of the non-disturbance zone. This fence shall be placed on the proposed new fill, outside of the buffer zone. Both the buffer area and the fence shall be clearly depicted on the proposed plans submitted with the GP application.

Field Delineation of Site and Project Features You must not disturb wetlands for this project until you clearly mark the following permitted features at the project site and these have been verified in the field by the Corps or its delegate:

___ Project Footprint	___ Stream Setback(s)
___ Lake/Pond Setback(s)	___ Drainageway Setback(s)
___ "A" Wetland Buffer	___ "B" Wetland Buffer
___ Other (as specified in permit review)	

Limits on Work Area You must not conduct any of the following activities in wetlands or water bodies beyond the approved project footprint (or in any other avoidance area identified above) during either construction or operation of the project/facility:

Discharge of fill material (even temporarily), including stockpiles;
or,

- Excavation and sidecasting/backfilling; or,
- Mechanized landclearing; or,
- Operation, parking/storage or servicing of equipment.

Equipment To minimize soil disturbance in wetlands heavy equipment must be placed on mats or utilize other measures, such as working only on frozen ground.

•

Construction Runoff You must employ runoff control measures necessary to preclude or minimize both erosion and the transport of sediment, pollutants, and solid waste beyond the approved project footprint. These measures shall include, but are not limited to:

- Phasing of Site Preparation (to minimize the extent of exposed soil);
- Silt Fence;
- Reroute Offsite Runoff around Disturbed Soils (e.g., dike/ditch)
- Mulching (e.g., wood chips, straw, grass clippings, gravel);
- Matting (e.g., jute, straw, coir);
- Sheeting for Stockpiles, Temporarily Exposed Slopes (e.g., plastic, geotextile fabric);
- Check Dams in Ditches/Drainageways (e.g., hay bales, sand bags, gravel berms);
- Surface Roughening (to slow runoff down slope);
- Terracing of Slopes;
- Sediment Trap(s);
- Temporary Sediment Basin;
- Storm Drain Inlet Protection (e.g., hay bales, sand bags, gravel berm)
- Outlet Filtering/Stabilization for Construction Dewatering;
- Revegetation of Fills and Disturbed Soils
- Onsite petroleum spill/leak response equipment and supplies and provision for their proper disposal

Visual Screening You shall install the visual screen depicted in the plans immediately following placement of fill at the screening site. The visual screen shall be maintained in perpetuity.

Fill Material

Not for Disposal of Excess Material: The GPs do not apply to projects whose primary purpose is the disposal of excess material, such as from road projects. Projects whose stated purpose is building construction must use fill of a quality and height that complies with the Muni building safety standards in the Municipality of Anchorage Title 23 Building Codes, 2006, and associated amendments, 2009.

Suitable Material: Detrimental amounts of frozen, organics, peat, trees, stumps, lumber, large rocks, concrete and pavement, metals, plastics, glass and other deleterious inorganic materials are expressly prohibited. Fill must be free of toxic materials and contaminants. No rock or similar irreducible material with a maximum dimension greater than twelve inches shall be buried or placed in fills.

Not as Source of Borrow Material: No borrow material may be obtained from estuarine, riverine, "A"-designated or "B"-designated wetlands for activities covered under these GPs.

Removal of Temporary Fills: Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated with native species found in the immediate area.

Contaminated Soil If contaminated soils are discovered during construction, you must immediately cease all work in the vicinity of the contamination, contact the Alaska Department of Environmental Conservation for instructions, and defer any further activity until you receive ADEC approval to continue.

Endangered Species The activity must not jeopardize the continued existence of a threatened or endangered species, as identified under the Endangered Species Act, nor endanger the critical habitat of such species.

GENERAL CONDITIONS OF AUTHORIZATION:

Note: The following General Conditions will apply to all projects authorized under these GPs.

Water Quality Certification You must comply with all conditions specified as part of the Alaska Department of Environmental Conservation Water Quality Certification, which is part of these GPs.

Historic and Archaeological Sites These GPs do not authorize activities, including the use of material borrow sites, in or that adversely affect known historic properties listed or potentially eligible for the National Register of Historic Places, nor any such sites listed or found to be potentially eligible in the future. The permittee shall stop work when cultural resources are inadvertently discovered during the course of work and notify the Corps. The Corps will enter into consultation with the Alaska State Historic Preservation Office to determine if historic properties will be affected by the permitted work. Work shall resume after cultural resources have been evaluated pursuant to Section 106 of the National Historic Preservation Act.

Inspections You must permit the District Engineer, or his designated representatives, to inspect the authorized activity at any time deemed necessary to ensure that it is being, or has been accomplished in accordance with the terms and conditions of these GPs.

Maintenance You must maintain the authorized activity in good state, and in conformance with the terms and conditions of these GPs. You are not relieved of this requirement even if you abandon the authorized activity, although you may make a good faith or legal transfer to a third party, as described below. Should you wish to cease to maintain the activity or abandon it without a good faith transfer, you must obtain a modification of the GP authorization from the Corps Regulatory Division either directly, or through Municipal Planning Staff. Such modification may require restoration of the area.

Sale or Transfer of Property If you sell or transfer the property associated with the authorized activity, you must obtain the signature of the new property owner or lessee in the space on the verification/OC and submit a copy of that page to the Municipal Planning Department and/or Corps Regulatory Division, along with appropriate documentation of the transaction. You must submit this information within 30 days of the property transfer, to validate transfer of the GP authorization to the new party.

Tribal Rights: No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

Modification by Other Authorizations: If the work proposed under these GPs is subsequently modified by any other Federal, State, or local governmental authorization, a modification of the GPs, Municipality's opinion of compliance, and any verification by the Corps to perform activities under these GPs may need to be obtained.

Use of Multiple General Permits, including Nationwide Permits: The use of more than one GP or Nationwide Permit (NWP) for a single and complete project is prohibited, except when the acreage loss of waters of the United States authorized by the GPs and/or NWPs does not exceed the acreage limit of the GP/NWP with the highest specified acreage limit.

Obtain GP Prior to Filling: No work shall be done under these GPs without first obtaining an Opinion of Compliance from the Municipality of Anchorage Planning Department or General Permit Verification from the Alaska District Corps of Engineers. All fees including mitigation must be paid before proceeding.

No Adverse Impact to Adjacent Waters of U.S: For activities to comply with these GPs they shall not adversely impact adjacent estuarine, riverine, or "A" and "B" wetlands by causing ponding, drainage, siltation or inadvertent fill. Culverting, buffer zones, or other methods may be required to ensure compliance with this condition.

Compliance with Chapter 6 of AWMP: The permittee agrees to execute the construction or operation of the work authorized herein in a manner that complies with the enforceable policies of Chapter 6 of the AWMP Revision, dated January 1994, to ensure that any adverse impacts to fish, wildlife, and natural environmental values are minimized, and in accordance with any additional measures imposed by the Municipal Planning Department to reduce the adverse impacts of the work.

LIMITS OF FEDERAL LIABILITY

In issuing these GPs, the Federal Government does not assume any liability for the following:

- 1) Damages to the permitted project or uses thereof as a result of other permitted or non-permitted activities or from natural causes.
- 2) Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States which are not contrary to the public interest.
- 3) Damages to persons, property, or to other permitted or nonpermitted activities or structures caused by an activity authorized by this GP.
- 4) Design or construction deficiencies associated with the permitted work.
- 5) Damage claims associated with any future modification, suspension, or revocation of this permit.

ATTACHMENT D

Corps of Engineers Anchorage Wetlands Policy

This is to reaffirm an existing policy by which the U.S. Army Corps of Engineers, Alaska District (Corps) implements its responsibilities under Section 404 of the Clean Water Act, in relation to Anchorage wetlands.

Individual permits for the placement of dredged and/or fill material into wetlands designated "A" will generally not be issued. The only exceptions will be to permit those activities, which would enhance, restore, or preserve the natural character of the wetlands, or projects with substantive public benefit, as determined by the District Engineer. Such a determination will be made by the District Engineer only after all of the 404(b)(1) criteria have been satisfied. Further, the goal for "A" wetlands is no overall loss of value and function. Unless there are exceptional circumstances, as determined by the District Engineer, any compensation for loss of values and functions should be in the same watershed.

Individual permits for the placement of dredged and/or fill material into "B" wetlands will generally not be issued unless the applicant clearly demonstrates the following:

- a) The qualitative and quantitative wetland values (e.g., fish and wildlife habitat, surface water retention and recharge, nutrient exchange, aesthetics, recreation, etc.) that would be impacted by the proposed activity.
- b) The qualitative and quantitative wetland values that would remain if the project were to be implemented.
- c) The onsite (within the same ecosystem, e.g., discrete wetland area) mitigation measures proposed to lessen, compensate, or restore the wetland values that would be adversely impacted.

Furthermore, this information will be used by the Corps to determine whether the proposed activity would result in no overall loss to wetland values and functions, if the project were to be implemented. This policy applies to all aspects of "B" wetlands in the AWMP Revision (1996) whether they are characterized as fringe, core, etc. If the application is received, which clearly reflects this information, and the proposal is found to be not contrary to the public interest [including compliance with the 404 (b)(1) Guidelines], individual permits will be issued.

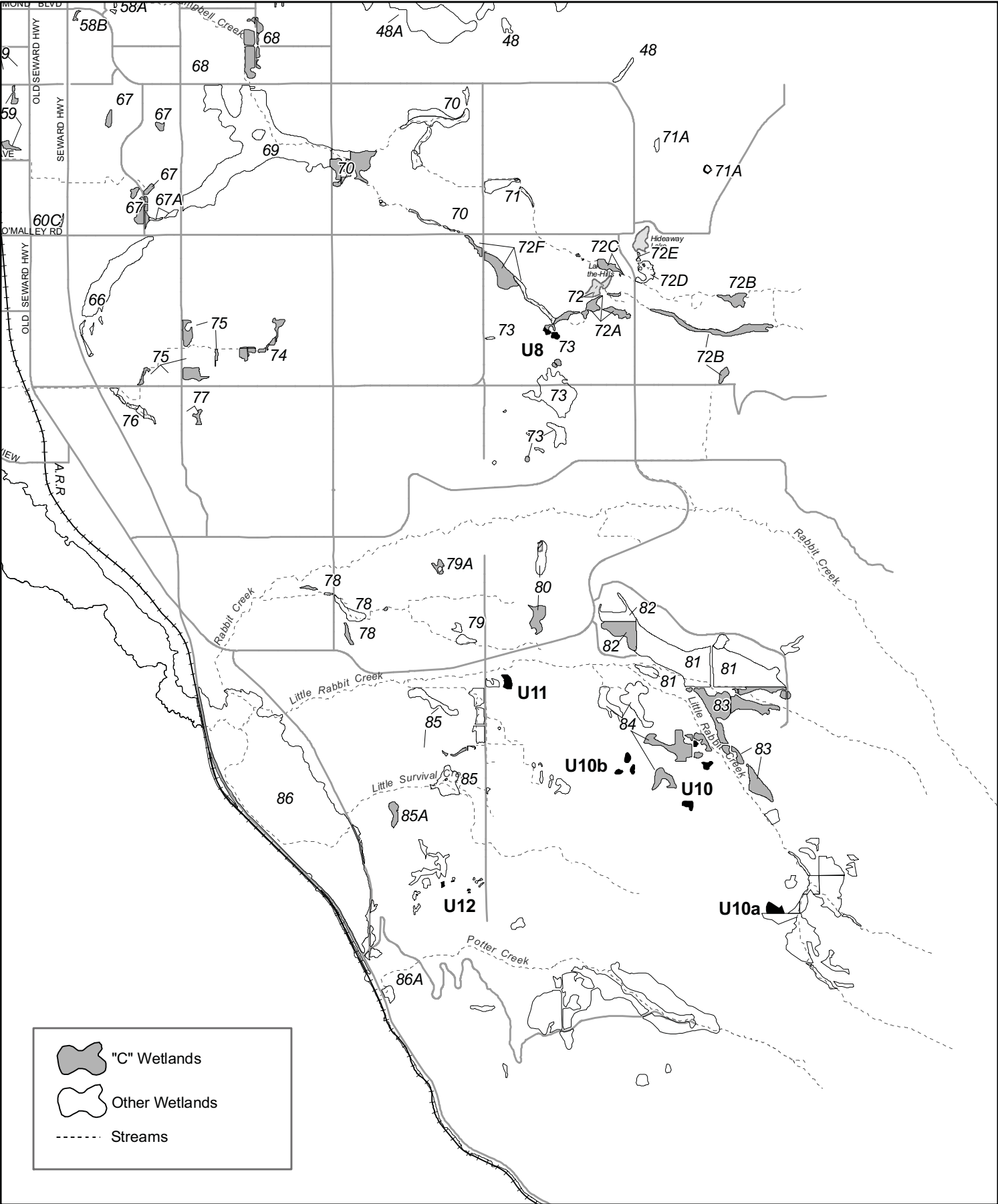
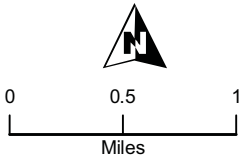
Prospective applicants are encouraged to review 40 CFR, Part 230.75, Subpart H, Actions to Minimize Adverse Effects, of the 404(b)(1) Guidelines, and Chapter 6 of the AWMP Revision, as projects are being designed.

The Corps encourages prospective applicants to participate in pre-application coordination with the Alaska District, Regulatory Branch, and other interested agencies and organizations, prior to submitting an application. Questions and requests for such coordination may be addressed by calling (907) 753-2712.

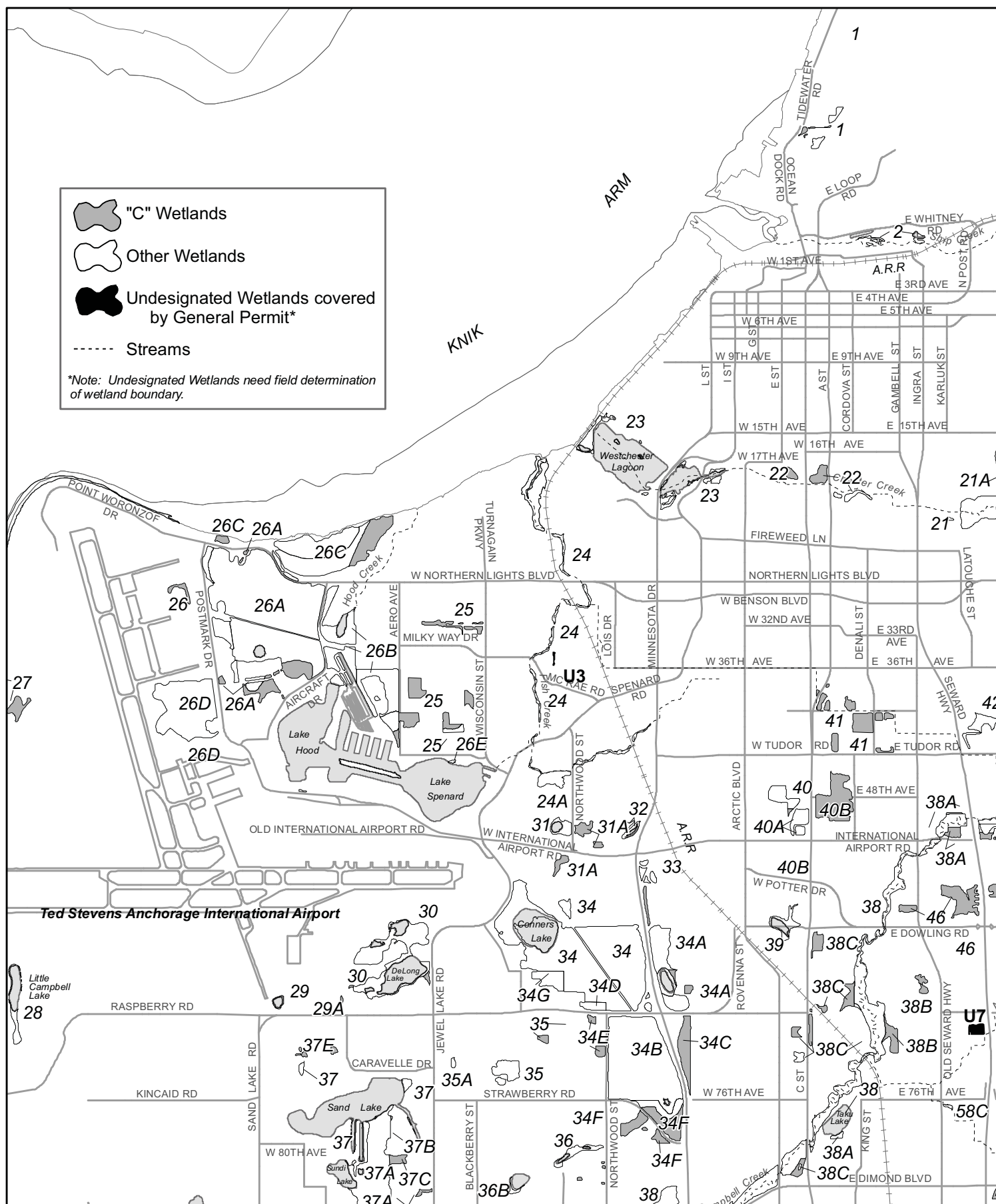
The Corps continues to support the intent of the AWMP Revision.

Wetland Designations

Anchorage Bowl, SE Quadrant

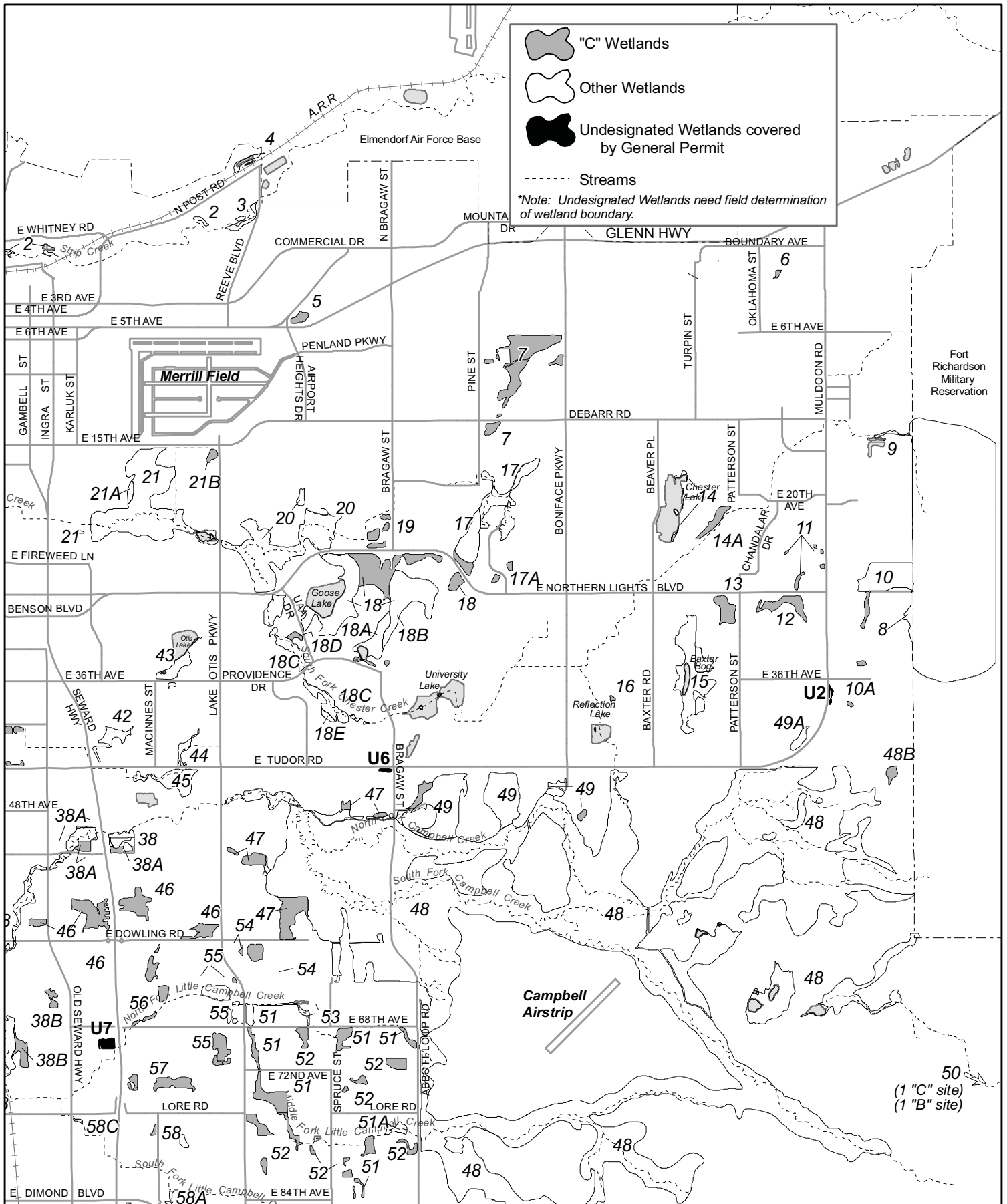
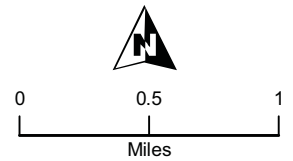


Anchorage Bowl, NW Quadrant



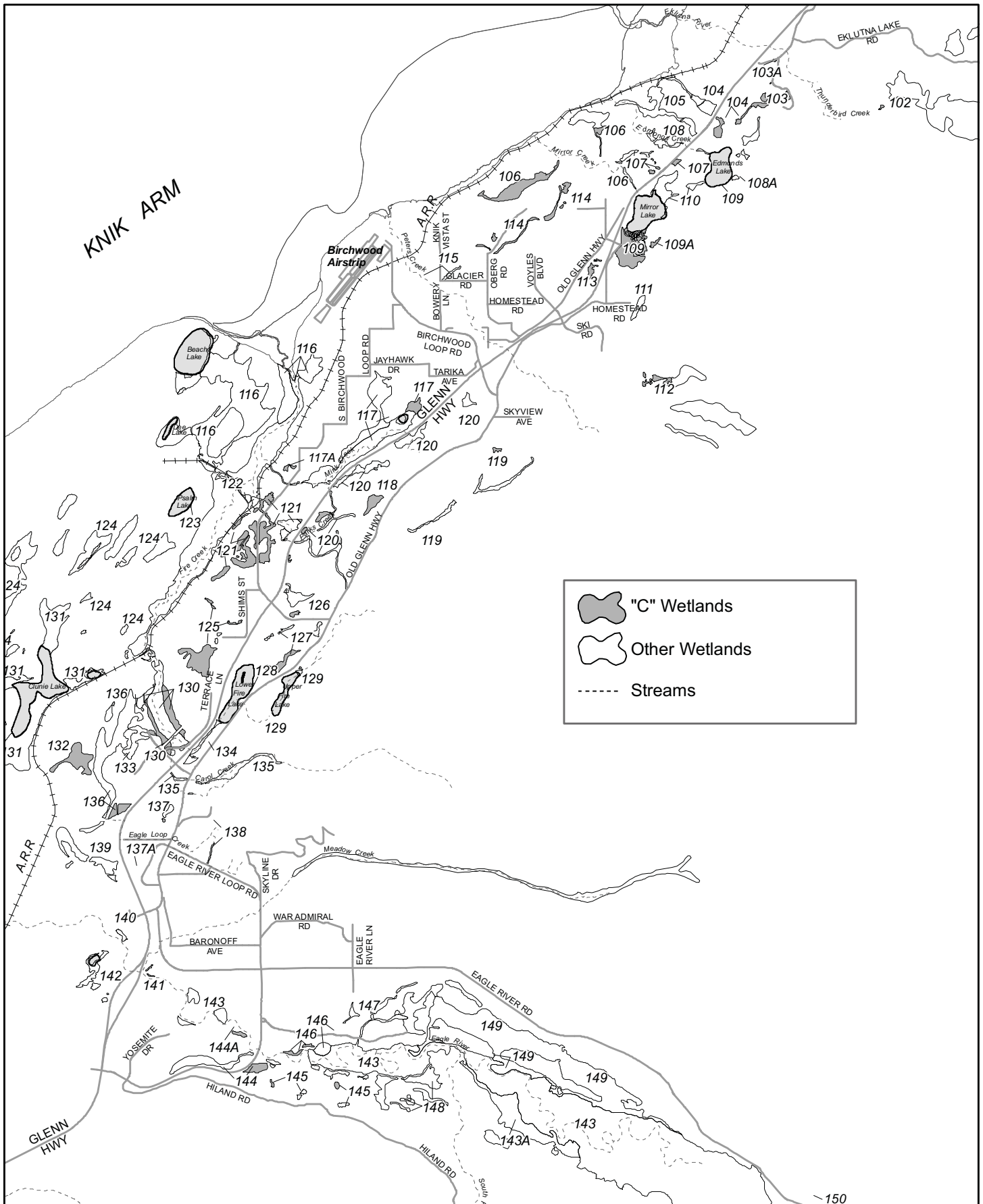
Wetland Designations

Anchorage Bowl, NE Quadrant



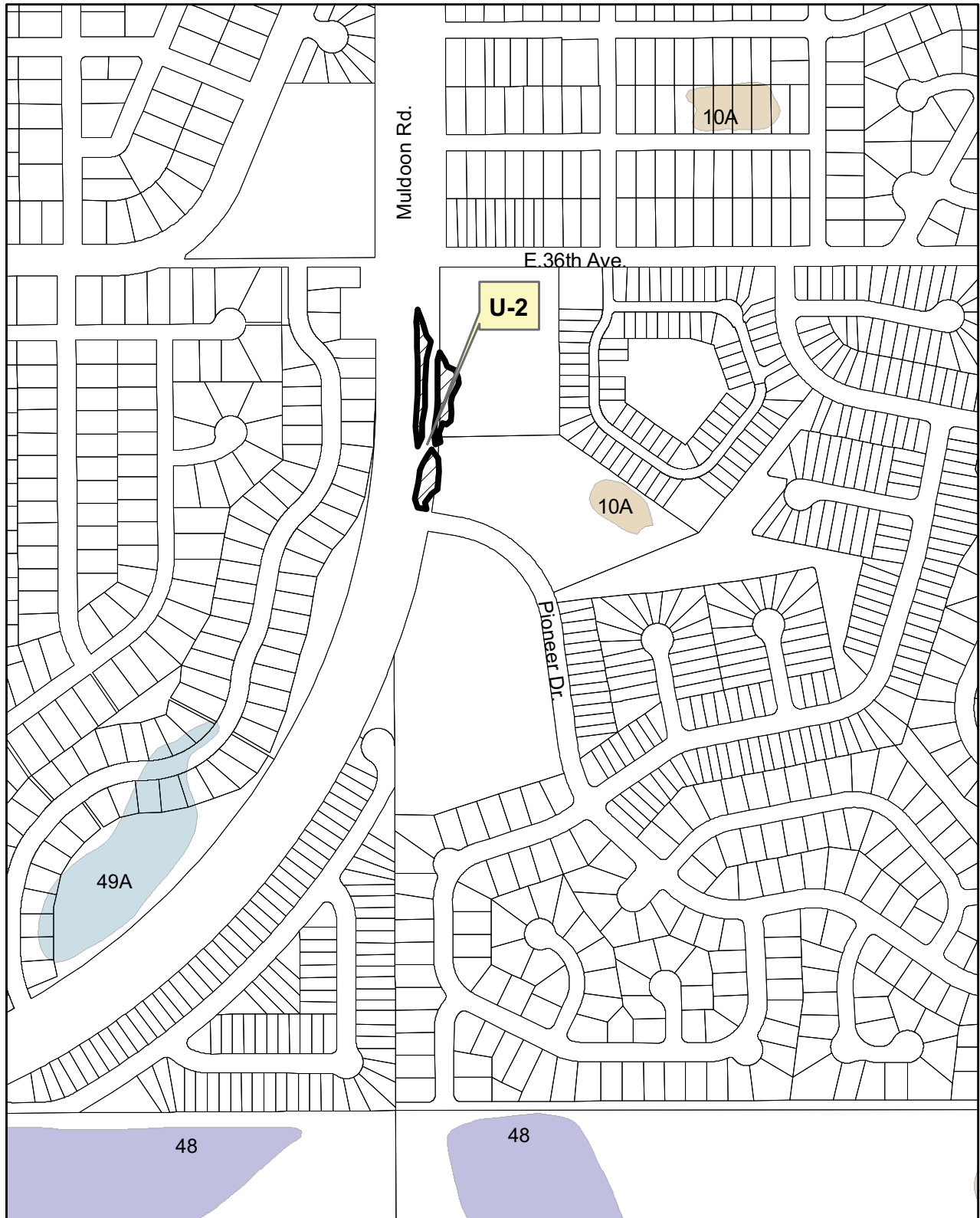
Wetland Designations

Eagle River / Chugiak



Girdwood

U-2, Muldoon Rd: E. 36th to Pioneer Dr.




MOA Wetland Designations:

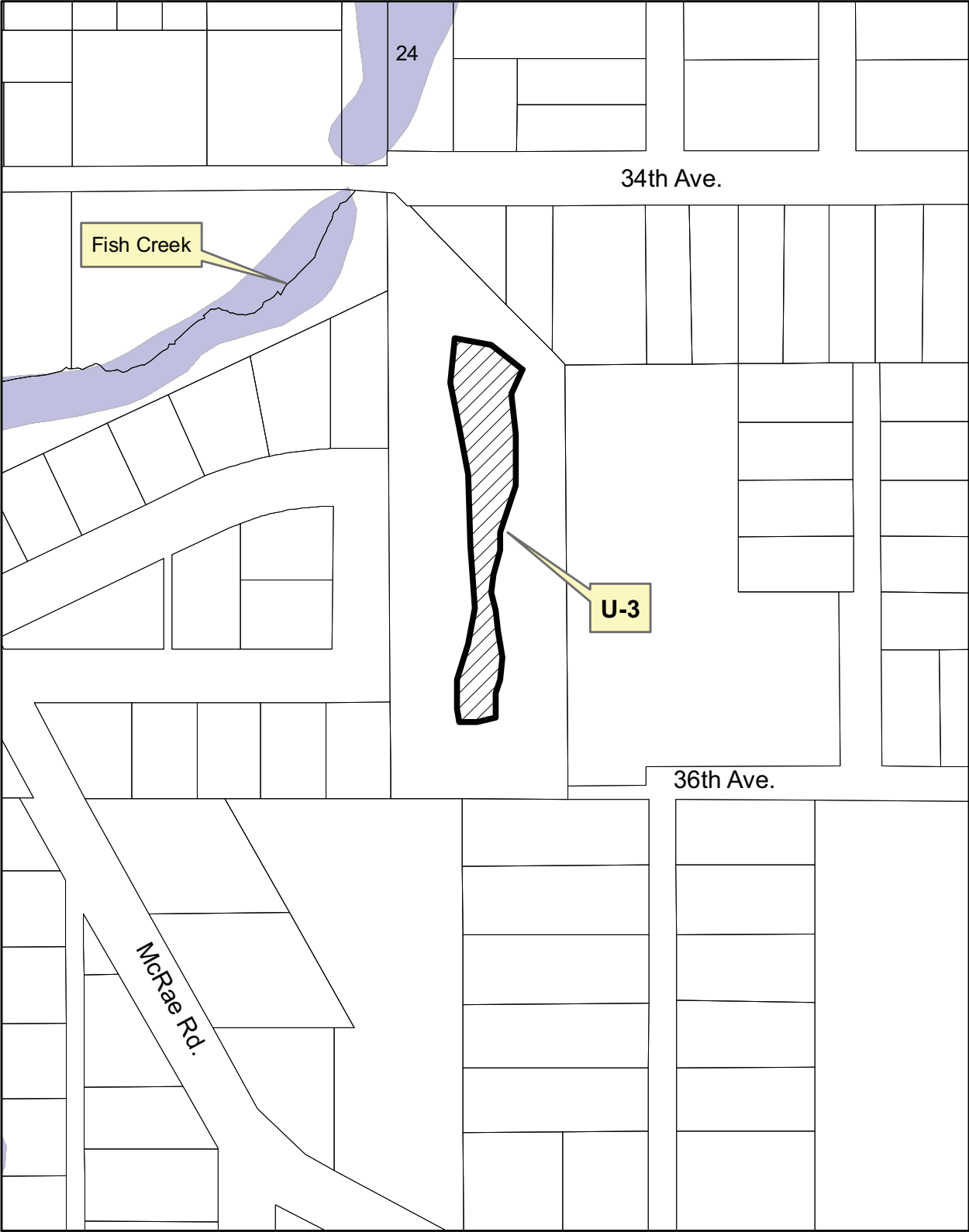
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 250 500 1,000 Feet




U-3, Woodland Park: 34th to 36th Ave.



MOA Wetland Designations:

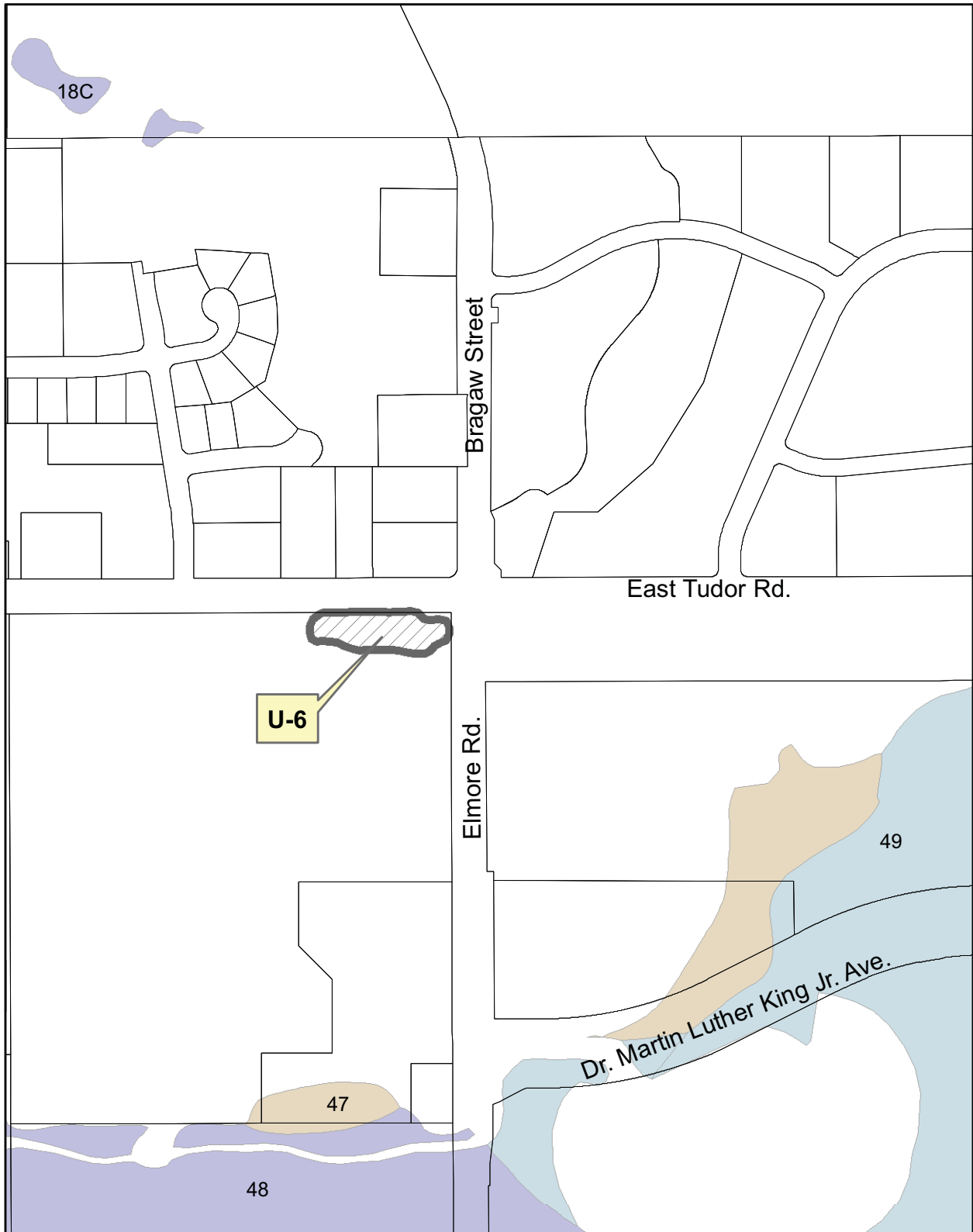
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 125 250 500 Feet



U-6: SW Tudor and Elmore Rd



MOA Wetland Designations:

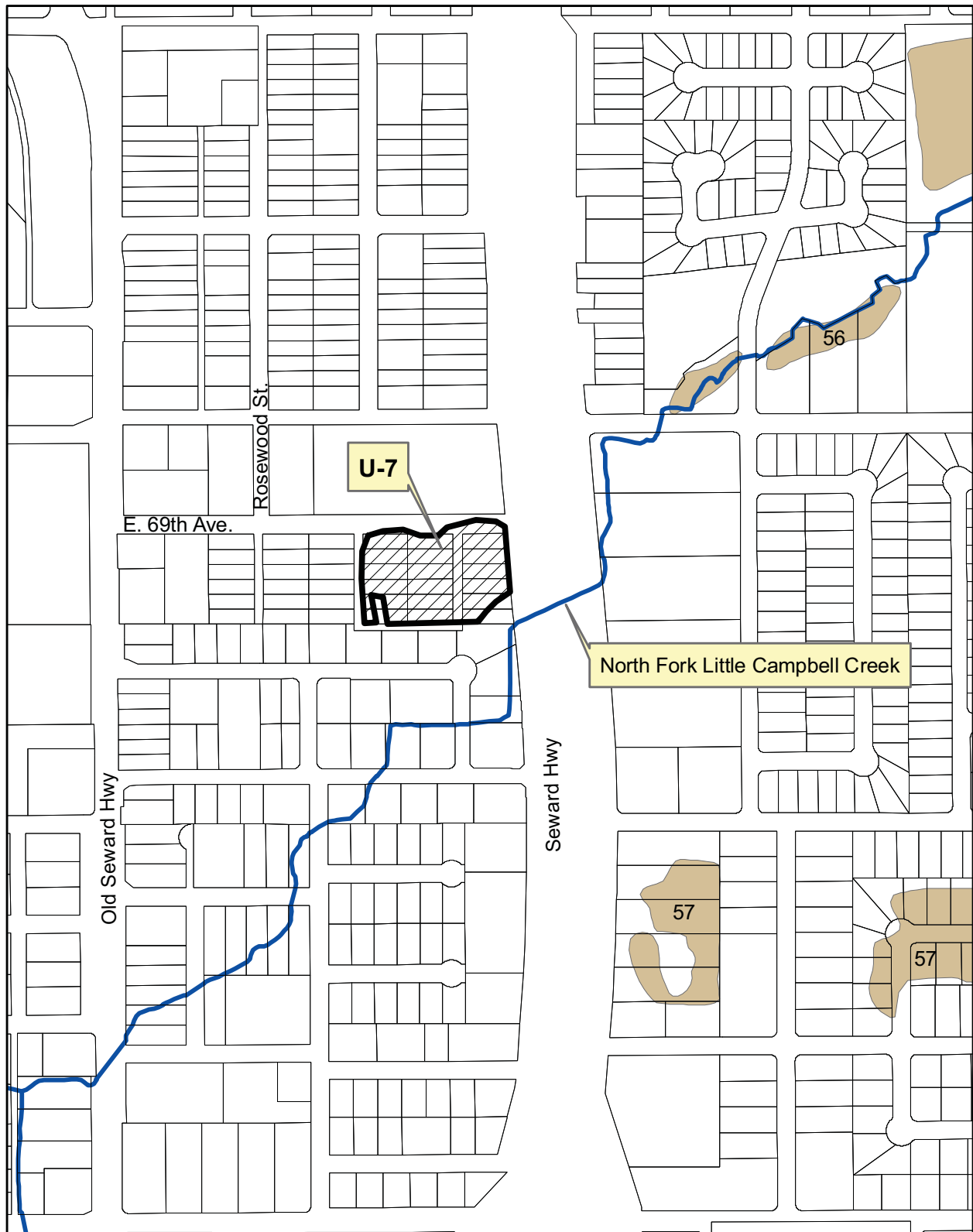
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 375 750 1,500 Feet



U-7, SE 69th and Rosewood St.



MOA Wetland Designations:

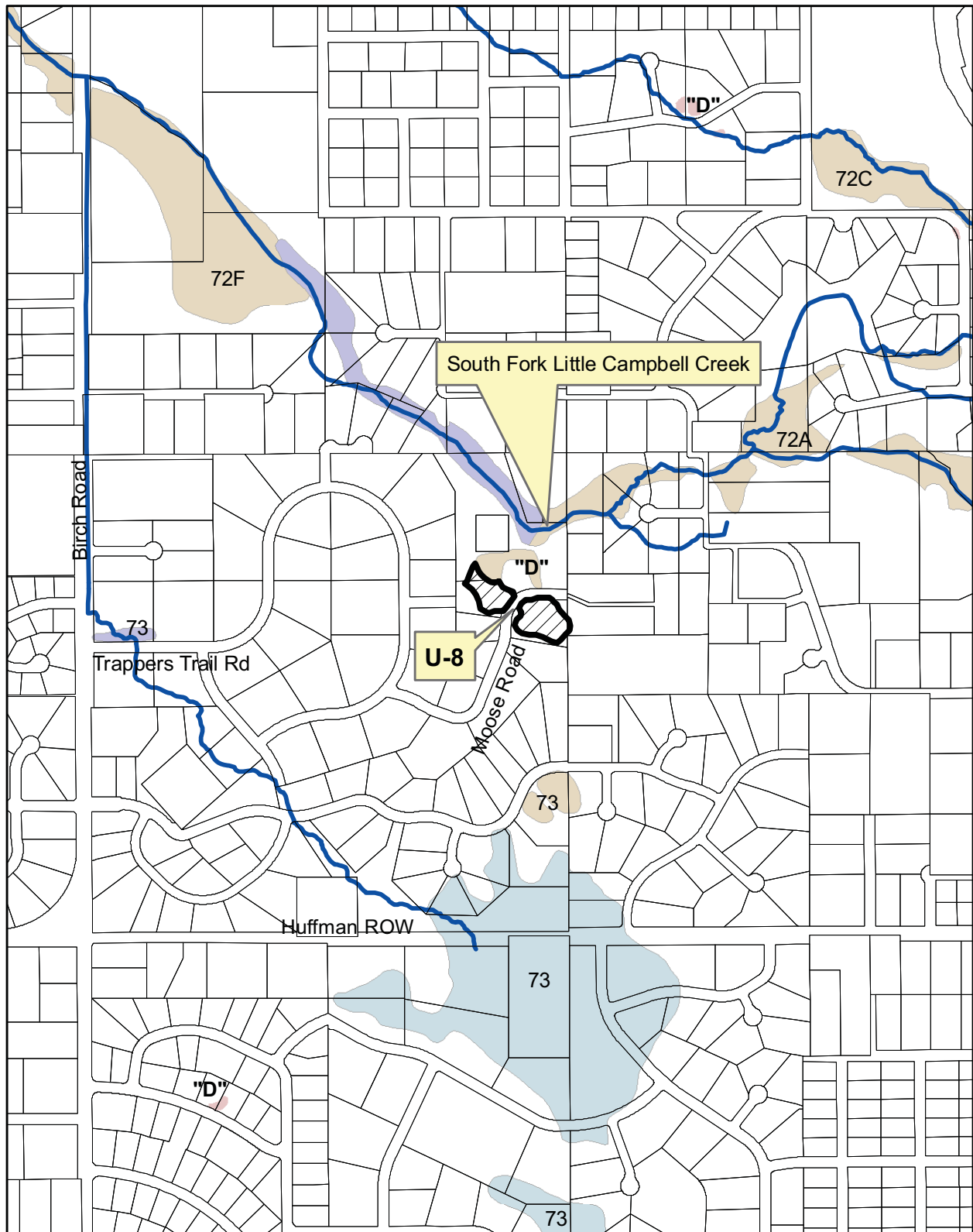
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 375 750 1,500 Feet




U-8, Moose Road: NE Birch Rd and Huffman ROW



MOA Wetland Designations:

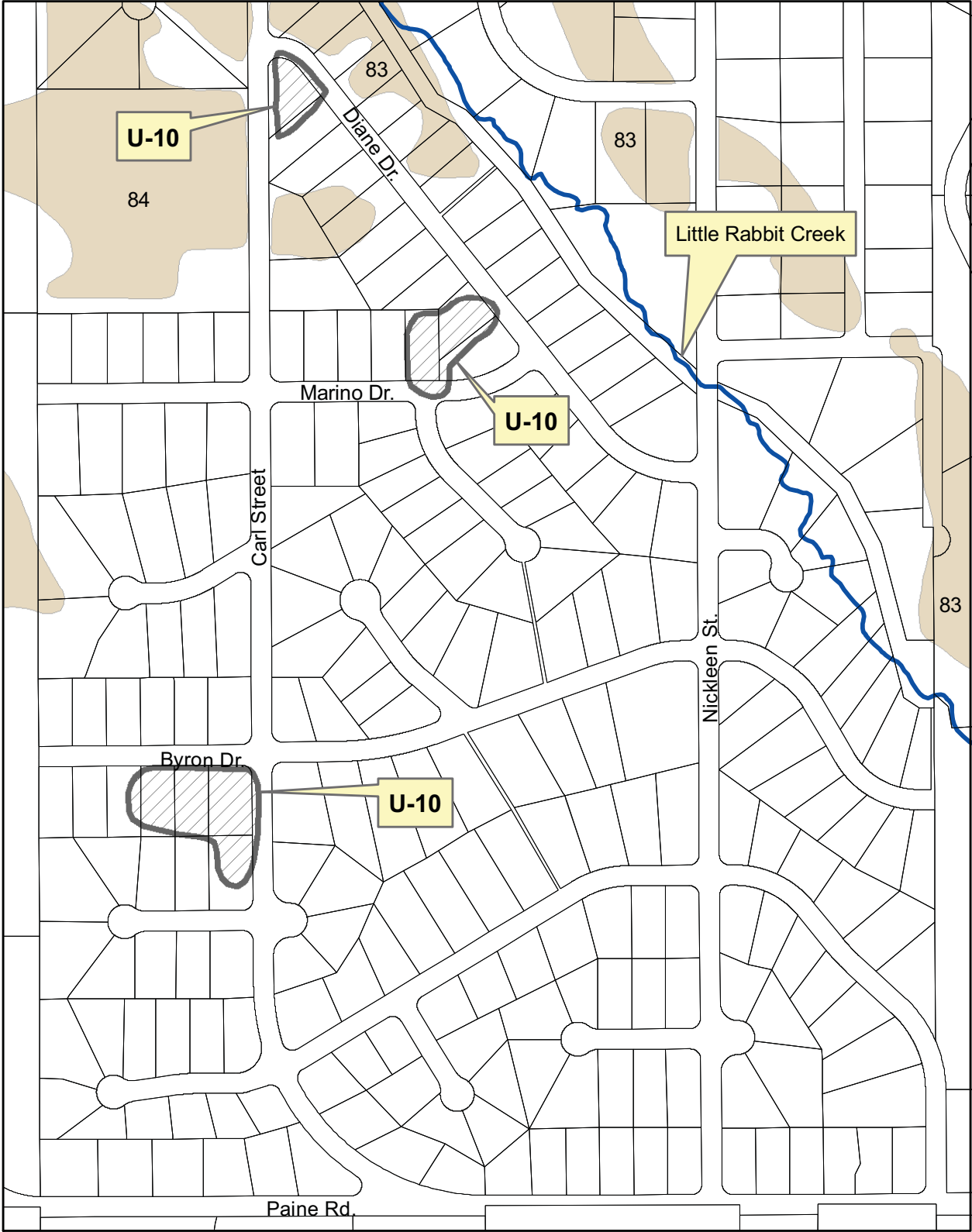
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 500 1,000 2,000 Feet




U-10, Bear Valley: Marino, Byron, Diane Dr.



MOA Wetland Designations:

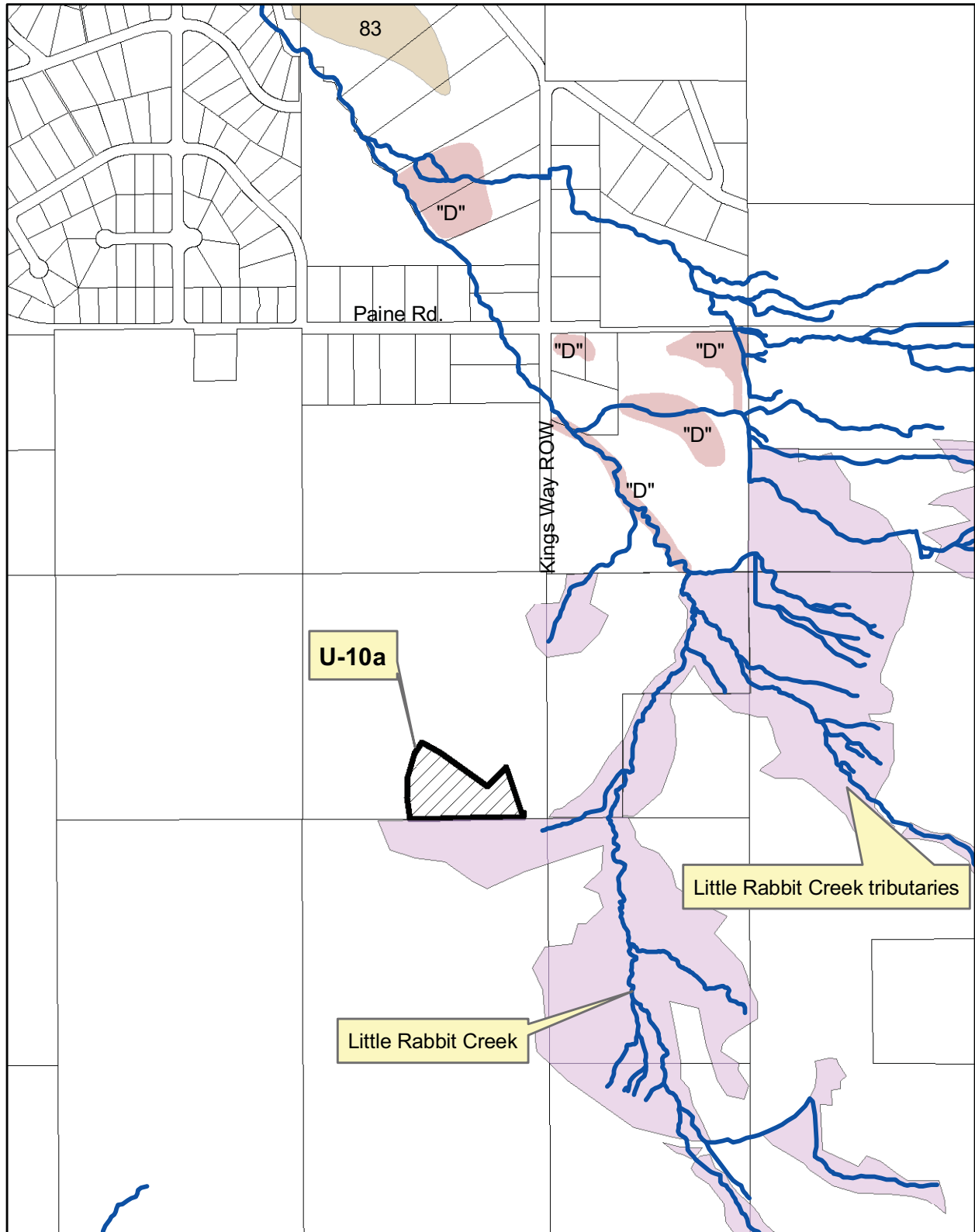
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable

0 250 500 1,000 Feet



U-10a, Kings Way ROW, South of Paine Rd.



MOA Wetland Designations:

 **Designated Wetlands** with unit #

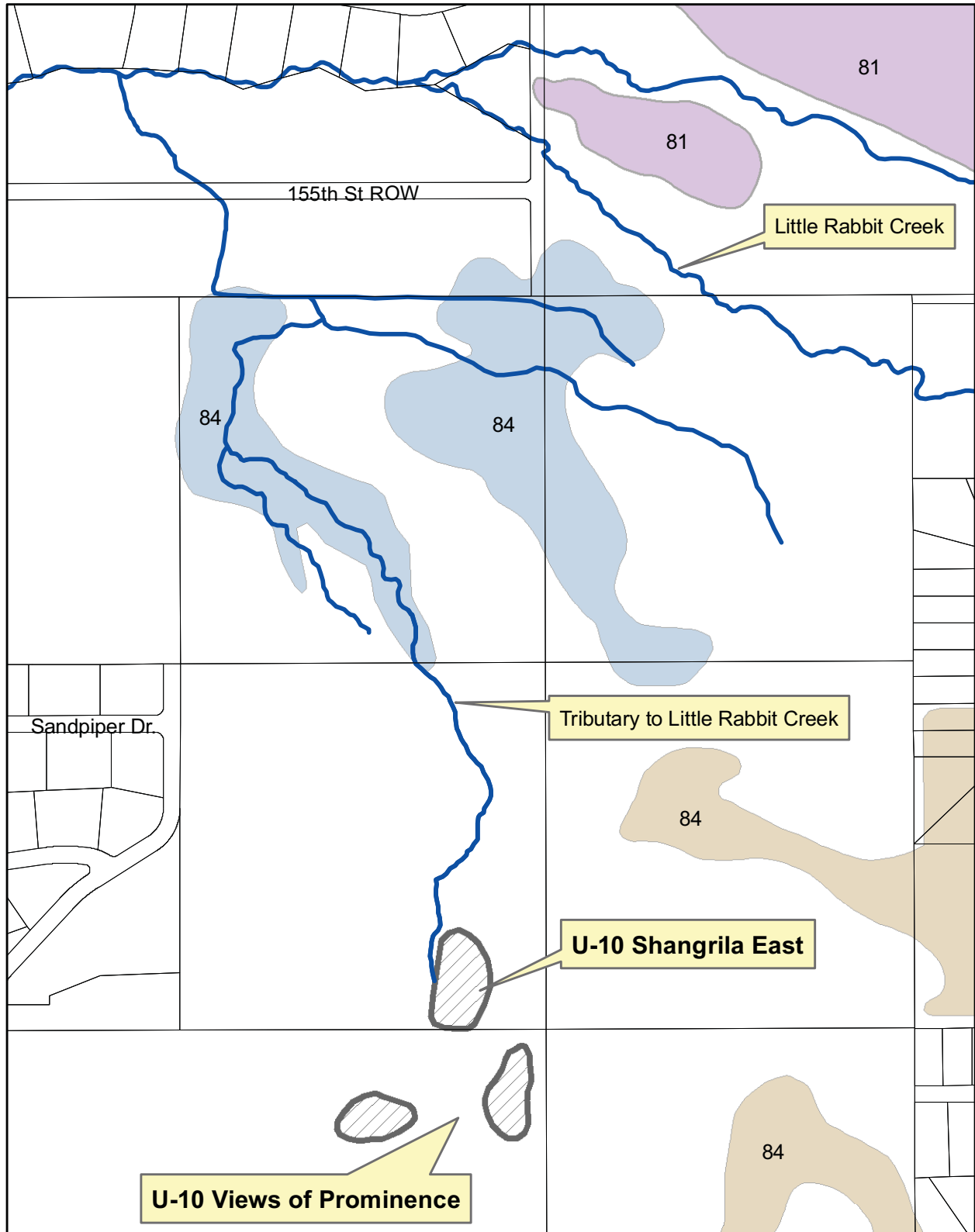
 **"D" undesignated wetlands** GP not applicable

 **"U" site** GP applicable

0 500 1,000 2,000 Feet



U-10b, Shangrila East, Views of Prominence Subdivisions



MOA Wetland Designations:

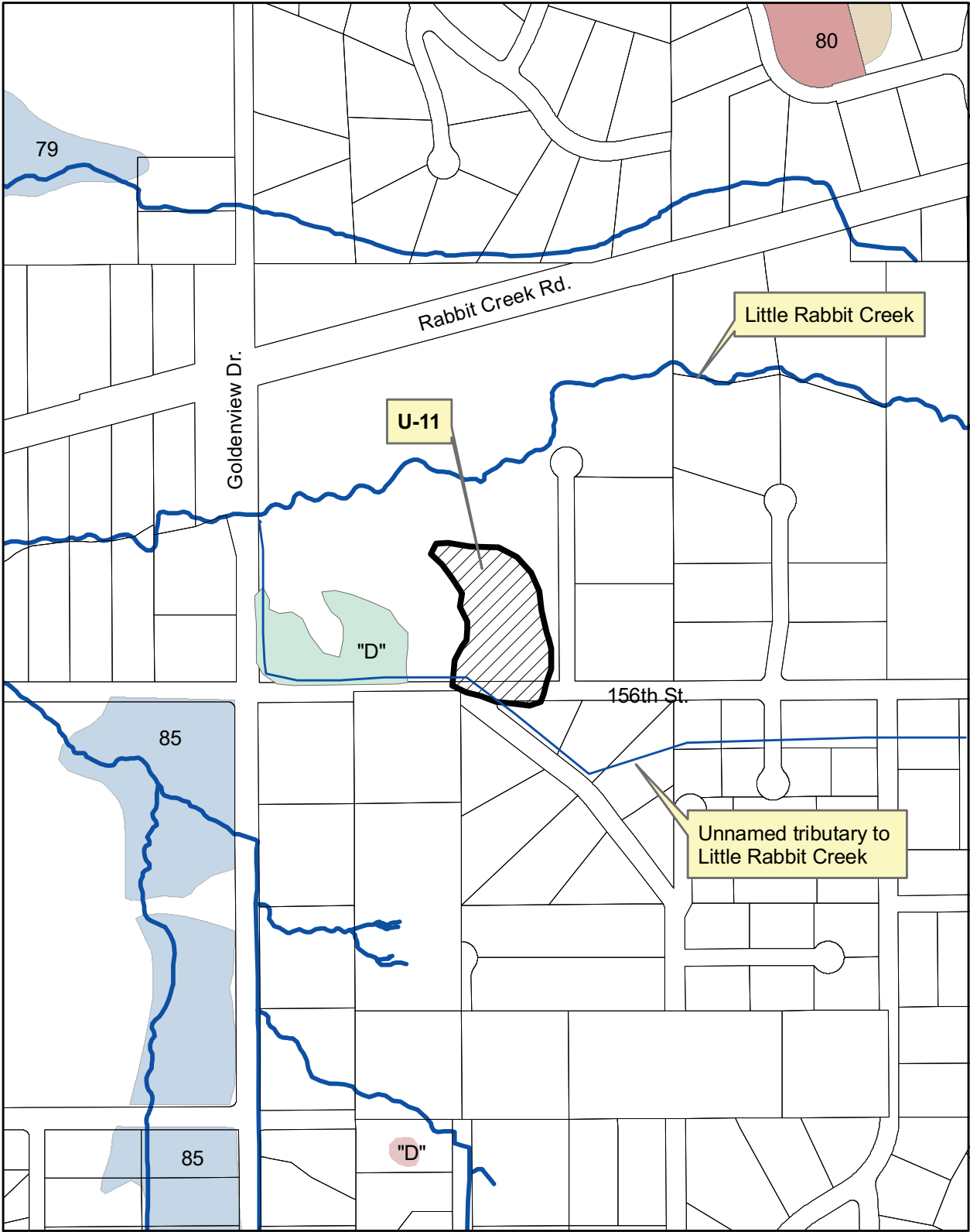
 **Designated Wetlands** with unit #
GP not applicable

 **"U"**
GP applicable

0 500 1,000 2,000 Feet



U-11, NE Goldenview Dr. at 156th St.



MOA Wetland Designations:

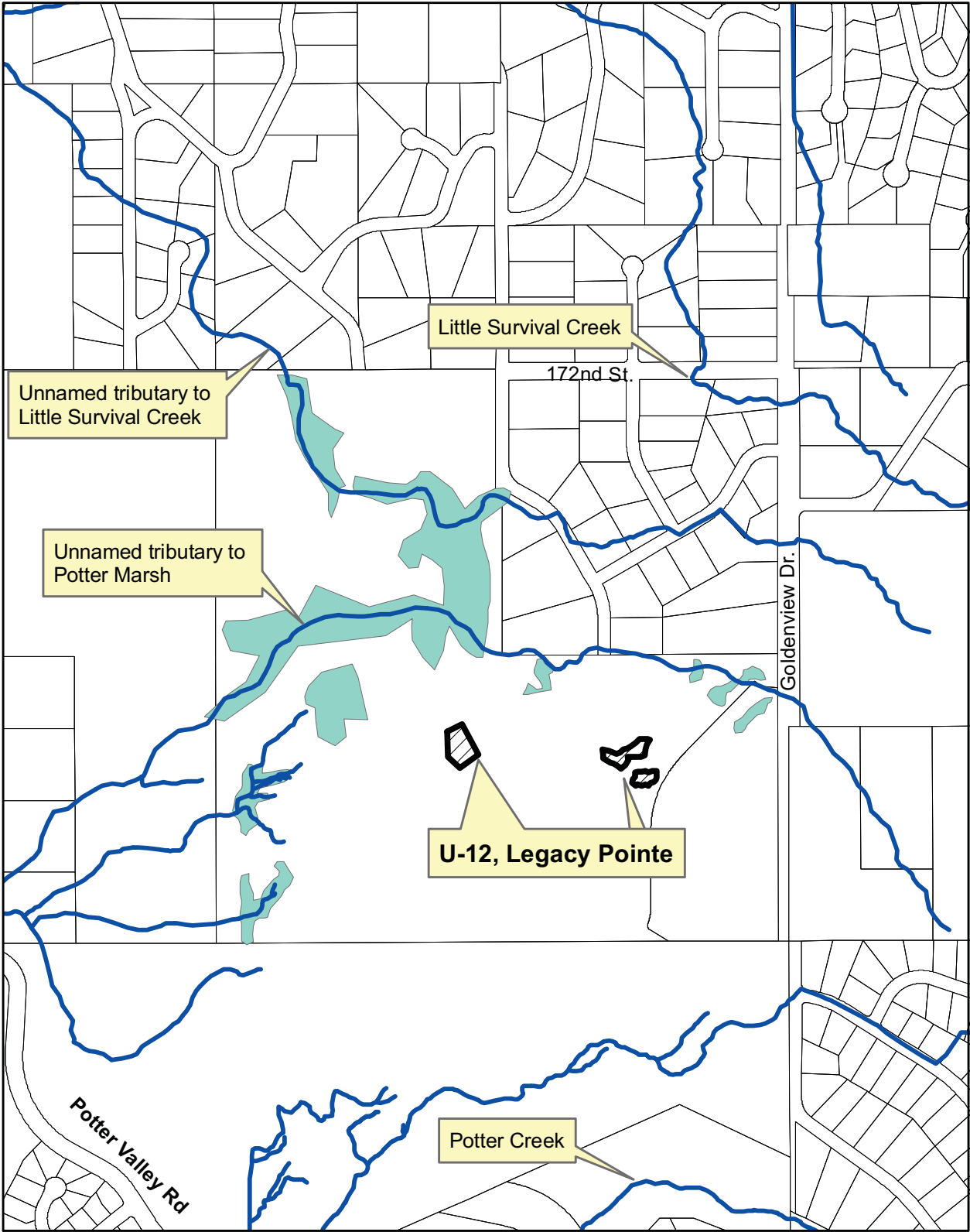
 **Designated Wetlands** with unit #
Not eligible for GP

 **"U"** GP applicable


0 250 500 1,000 Feet




U-12, Legacy Point Subdivision



MOA Wetland Designations:

 "D" undesignated
Wetlands
Not eligible for GP

 "U" GP applicable

0 500 1,000 2,000 Feet

