

**NORTH POLE WATER DISTRIBUTION SYSTEM
EXPANSION**

RIGHT-OF-WAY REPORT

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R&M Consultants, Inc.

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DRAFT



Innovating Today for Alaska's Tomorrow

Table of Contents

Table of Contents 2

Introduction 3

Scope of Review 3

Project Location 4

Acronyms 4

ROW Study Categories 4

Section Line Easements 6

 Permitted Use 7

Roads under DOT&PF Jurisdiction 8

 DOT&PF Basis of Right-of-way 9

 Recent DOT&PF Projects 9

 Older DOT&PF projects 9

 Richardson 4-Lane Controlled Access Corridor 10

 Utility Permits in Controlled Access Facilities 10

FNSB Rural Services Road Service Areas 11

Plat Reviews (Road and PUE) 11

 Public Utility Easements 12

Right-of-Way Acquisition Summary 12

 Attachment A – Section Line Easements (14 pages) 14

 Attachment B – Roads in DOT&PF Reporting System (2 pages) 14

 Attachment C – FNSB Rural Services Area Maps (5 pages) 14

 Attachment D – Plat Review Spreadsheet (3 pages) 14

Introduction

The purpose of this report is to determine the nature and validity of existing rights-of-way throughout the project area and whether there exists a continuous corridor of sufficient width and interest to allow placement of the water distribution system. The project RFP stated the following: *“Physical route locations for the distribution piping will maximize the use of existing ROWs in order to minimize cost and potential access delays associated with acquiring private easement access.”* The presumption is that the proposed water distribution system can be routed to follow existing road rights-of-way, public utility easements and section line easements resulting in a minimum number of new private and agency easement acquisitions. This report provides a summation of the various rights-of-way that were reviewed. The review was an iterative process that was continually revised as more preferable routing alternatives became apparent and as closer consideration of certain rights-of-way revealed deficiencies.

The most important element of this report is the identification of purported rights-of-way proposed for pipe placement that may not be available because:

- They cannot be validated in the public record;
- Placement of utilities is beyond the scope of the existing easement;
- The permitting burden is unreasonable.

The conclusions of the report identify parcels requiring acquisition of a specific easement where it appears that insufficient public right-of-way exists to place the proposed water utility lines. These areas are addressed in the section on “Right-of-Way Acquisition Summary”.

Scope of Review

Documents reviewed in preparation of this report include Bureau of Land Management (BLM) rectangular survey plats, master title plats, patents, case file abstracts and public land orders. Department of Transportation and Public Facilities data included acquisition documents, as-builts, right-of-way plans and records of survey, Planning highway log reports and relevant historical documents. Additional information included the Fairbanks North Star Borough GIS data, recorded subdivision plats, records of survey, plat waivers and selected conveyance documents.

The primary sections of the report focus on section line easement analysis, roads under DOT&PF jurisdiction and street rights-of-way dedicated by platting action.

Project Location

In general, the core project area is located to the north of the City of North Pole limits straddling Badger Road. Additional portions of the system are to the south and west of the City limits near Keeney Road and the Bradley Sky Ranch.

The water system expansion area consists of lands within:

- Sections 29-33 of Township 1 South, Range 2 East, Fairbanks Meridian; and
- Sections 4-6, 8-9 of Township 2 South, Range 2 East, Fairbanks Meridian.

Acronyms

- BLM – Bureau of Land Management
- CONP – City of North Pole
- DNR – State, Department of Natural Resources
- DOT&PF – Department of Transportation & Public Facilities
- FNSB – Fairbanks North Star Borough
- GVEA – Golden Valley Electric Association
- IGU – Interior Gas Utility
- MTP – Master Title Plat (federal)
- PUE - Public Utility Easements
- ROW – Right-of-way
- RSA – Road Service Area
- RSD – Rural Services Division
- SLE – Section Line Easement

ROW Study Categories

A utility facility such as a water distribution system can generally be placed within existing street rights-of-way and public utility easements. The following is from FNSB Title 17:

17.56.030 Utility easements.

A. The platting board shall require reservation of utility easements along lot lines or rights-of-way within a subdivision when a utility company demonstrates a specific need for them.

B. Utility improvements are an acceptable accessory use of a public roadway.

1. *Utility improvements may cross over and/or under a dedicated public roadway.*

The FNSB platting ordinance is supported in the following Alaska Statute:

Sec. 42.05.251. Use of streets in municipalities.

Public utilities have the right to a permit to use public streets, alleys, and other public ways of a municipality upon payment of a reasonable permit fee and on reasonable terms and conditions and with reasonable exceptions the municipality requires.

In addition, a utility may be placed in a highway easement such as those based on section line easements, public land orders, or direct acquisitions. The agency having management jurisdiction over the street and highway rights-of-way has authority to allow placement of utilities through utility or construction in right-of-way permitting. For the most part, these agencies will consist of the following:

- DOT&PF – Roads within the “State Highway System”.
- FNSB Rural Services Division – Roads within FNSB road service districts.

To a lesser extent there will be existing road rights-of-way that will not fall into any of the previously mentioned permit groups. These are the “orphan” roads that are not under any apparent organized government jurisdiction and where the ROW has been dedicated to the general “public”. ROW and utility permitting may not be required to use these rights-of-way.

Letters of non-objection issued by the Alaska Department of Natural Resources are required for use of undeveloped section line easements crossing private or DNR lands. Water mains may be located within road rights-of-way under the jurisdiction of the City of North Pole; however, permits will not be required, as CONP will ultimately become the owner and operator of the completed project.

The primary ROW study categories for this report include:

- Section Line Easements (Federal and State)
- DOT&PF Managed Roads
- Subdivision Plats – Dedications and PUEs

It is expected that most of the water distribution alignment will fall within the street dedications, PUEs and DOT managed roads. Many of the SLEs will also be subject to the

subdivision dedications and may be under DOT&PF jurisdiction where DOT&PF manages the roadway.

Section Line Easements

A highway easement may exist on either side of a surveyed section line based upon the federal offer of an RS-2477¹ grant and the state's legislative acceptance² of the offer or by legislation that creates a section line easement on lands owned by the State or Territory³. Utility use of an otherwise unused RS-2477 section line easement is allowed as an incidental and subordinate use of the highway easement⁴. A federal section line easement based on RS-2477 may be up to 66 feet wide (33' on each side of the section line) and the state section line easement may be up to 100 feet in width (50' on each side of the section line).

A state section line easement only applies to lands that have been owned by the State of Alaska or Territory since 1951 or where a section line crosses a navigable body of water. Within the project area at the northerly end of Peridot Street and southerly end of Brock Road, there is a single crossing of the Chena Slough⁵, which is considered navigable. In these situations the bed of the slough is owned by the State and is subject to the full 100-foot wide highway easement where the section line crosses the Slough between the lines of ordinary high water.

With respect to the project area, most of the of the SLEs are 33-foot wide federal easements. For the federal section line easement to exist the lands must be surveyed and the offer and acceptance of the federal RS-2477 grant compete before the lands had been removed from the public domain. With respect the project area, the actions that would have removed most of the lands from the public domain were the homestead entries that led to patent. The table in "Attachment A – Section Line Easements" considers the date of survey approval as reflected by the appropriate rectangular survey plat, the date when Territorial legislative acceptance of the RS-2477 grant was in effect, and the date of patent application that would have vested rights in the entryman and removed the land from the public domain. Each review

¹ The Mining Law of 1866 - Lode and Water Law, July 26, 1866 (Section 8 - 14 Stat. 253) Section 8 of the 1866 Mining Law was re-designated as Section 2477 of the Revised Statutes 1878. (43 U.S.C. 932) RS 2477 was repealed by Title VII of the Federal Land Policy and Management Act on October 21, 1976.

² The 4-rod (66 foot) wide federal section line easement is based upon the offer of the RS-2477 grant and the initial acceptance of that grant on April 6, 1923 by the Territorial legislature (Ch 19 SLA 1923) for highway purposes.

³ On March 26, 1951, the legislature enacted § 1 Ch. 123 SLA 1951 which stated that "A tract 100 feet wide between each section of land owned by the Territory of Alaska or acquired from the Territory, is hereby dedicated for use as public highways..." Also see A.S. 19.10.010 Dedication of land for public highways.

⁴ Fisher v. Golden Valley Elec. Ass'n, Inc., 658 P.2d 127 (Alaska, 1983)

⁵ Referenced as "Thirty-Mile" Slough on federal Master Title Plats.



of the SLE data results in a width conclusion. It is important to note the “0” widths. These section line halves are not subject to an easement, as they did not meet the criteria applied in the SLE analysis. In most cases this is the result of a homestead patent where the entry application was filed prior to township survey approval or prior to territorial acceptance of the RS-2477 offer. A portion of the section line easement between sections 5 and 8 of T2S, R2E is reported as a zero width as a result of a platting action that vacated the easement.

See “Attachment A: Section Line Easements” for the Section Line Easement Index, the SLE analysis spreadsheet and highlighted federal Master Title Plats showing the locations of the “zero” width SLEs.

Permitted Use

Whose permission is necessary to use an undeveloped SLE or an SLE occupied by a road where no government entity has assumed management jurisdiction? If a road exists within an SLE, the general rule is that the government entity holding jurisdiction over that road can permit utility placement through a utility/construction permit. This would be the case for roads under the management of the City of North Pole, DOT&PF and FNSB Rural Services. Another scenario include where an “orphan” road exists within a valid SLE. This occurs where no government entity has assumed management of the road. Other possibilities include where no road exists within a valid SLE that crosses private property or lands owned and managed by FNSB or DNR. It has been long understood that to use an undeveloped SLE across lands owned and managed by DNR, that a Letter of Non-objection (LNO) would be required before the SLE could be used. A DNR LNO would also be required to place a utility within the undeveloped SLE that exists where section lines cross the navigable 30-mile Slough.

For the most part, use of an undeveloped SLE crossing private property is an issue between the owner of the land underlying the SLE and the user. If the user could not convince the land owner of the SLE validity, the issue could end up in the courts. Alaska regulations state that with regard to SLEs, DNR has jurisdiction over all of these easements unless they are occupied by a road listed in the Alaska Highway System inventory.⁶ This DOT/DNR jurisdiction is reaffirmed with regard to RS-2477 SLEs in A.S. 19.30.400.⁷ Due to the costs and

⁶ 11 AAC 51.100 Management of public easements, including R.S. 2477 rights-of-way “(a) The commissioner has management authority over the use of any RS 2477 right-of-way that is not on the Alaska highway system.”

⁷ Sec. 19.30.400. Identification and acceptance of rights-of-way. “The state claims, occupies, and possesses each right-of-way granted under former 43 U.S.C. 932 that was accepted either by the state or the territory of Alaska or by public users. A right-of-way acquired under former 43 U.S.C. 932 is available for use by the public under regulations adopted by the Department of Natural Resources unless the right-of-way has been transferred by the Department of Natural Resources to the Department of Transportation and Public Facilities in which case the right-

administrative burdens of actively managing all of these easements, DNR management over them has been inconsistent. In 2001 DNR issued regulations under 11 AAC 51.010 that among other issues defined types and widths of certain easements including SLEs. This was to be Phase one of a two-phase regulations project. The second phase of regulations intended to establish rules regarding the management and use of the easements. The second phase was never initiated. To avoid the risk of differing interpretations regarding management and use of undeveloped SLEs within the project area, I contacted A. J. Wait in the local DNR office⁸. A. J. informed me that DNR does now require users to contact them with regard to SLEs. While an adjudication process is not required and a permit is not issued, they request a letter from the user stating the nature of their proposed activity. DNR will review the request and issue a letter of non-objection contingent on stipulations that are intended to protect future public access needs. DNR will assign an ADL (Alaska Division of Lands) number for tracking purposes but currently there is no fee for the process.

Roads under DOT&PF Jurisdiction

See “Attachment B: Roads in DOT&PF Reporting System”. Placement of utilities within roads under DOT&PF jurisdiction will require a permit compliant with 17 AAC 15 Article 1. As “ownership” of the land interest for road rights-of-way can be indefinite, jurisdiction will include all roads under DOT&PF “management”. Roads within the DOT&PF reporting system were initially identified using the on-line Functional Classification GIS map⁹. Once the CDS Route number was determined for each road, a Route Log report was requested from the Northern Region Planning office. The Route Log report for each road provides a mile point reference for each intersecting street as well as an “ownership/maintenance” attribute that identifies whether the road is being maintained and managed by the “State Highway Agency”, the “Borough Highway Agency” or the “City Highway Agency”. In the project area, “City Highway Agency” means the City of North Pole and “Borough Highway Agency” means FNSB Road Service District. As the FNSB does not have Borough wide road powers, the FNSB Rural Services Division jurisdiction is limited to those roads or portions of roads lying within the boundaries of a designated Road Service Area.

Page 2 of the attachment provides a graphic index of roads in the project area that are referenced in the DOT&PF system. Page 3 provides a spreadsheet of the DOT&PF Reporting

of-way is available for use by the public under regulations adopted by the Department of Transportation and Public Facilities.”

⁸ Email contact 9/24/14 with A. J. Wait, Natural Resource Manager I, Northern Region

⁹ <http://www.dot.alaska.gov/stwdplng/fclass/fclassmaps.shtml>

System roads within the project area identifying the maintenance jurisdiction and the basis of the ROW.

DOT&PF Basis of Right-of-way

Right-of-way plans, construction as-builts and other relevant documents were collected for roads under DOT&PF management to determine whether there existed any anomalies that would impact the ability of the project to obtain a utility permit within these corridors. Roads within the project boundaries that are under DOT&PF management and maintenance jurisdiction include:

- Badger Road
- Finell Road
- Hurst Road
- Old Richardson Highway (City of North Pole vicinity)
- Peridot Street (Excluding portions under CONP or no management)
- Plack Road
- Richardson Highway (4-lane)
- Woll Road

Recent DOT&PF Projects

Of these roads the following projects have had projects requiring right-of-way acquisition and mapping in recent years. Due to the increased mapping standards and improved quality of surveys these plans can stand as accurate depictions of the existing public right-of-way along these corridors:

- Project IM-0002(127)/61077 Old Richardson Highway Improvements; Recorded as Plat 2010-119 on 10/27/10, FRD
- Project RS-0620(6)/60379 Badger Road Reconstruction; Recorded as Plat 2008-28 on 4/2/08, FRD
- Project STP-0002(214)/77248 Plack Road Bike/Pedestrian Path; The ROW for this project was acquired in 2014. The ROW plans are yet to be recorded.

Older DOT&PF projects

- Peridot Street – The only portion of Peridot under DOT&PF Management is a small 0.2 mile segment from Finell Drive, located south of the Richardson 4-lane, northerly to the north right-of-way of the Richardson Highway. This segment of Peridot was initially a section line road with a valid federal SLE of 33-feet on each side of the section line. The 66-foot wide section line easement was widened by DOT&PF acquisition to 50-feet each

side of centerline as a part of the Richardson Highway Access Control Phase II project. (See below)

- Old Richardson Highway – Two segments of the Old Richardson are located within the project boundaries. The easterly segment is where the Old Richardson exits the Richardson 4-Lane in the SE ¼ of Section 5, T2S, R2E, FM and heads southeasterly into the City of North Pole core area. The ROW definition for this segment is addressed in the previously mentioned Project IM-0002(127)/61077 Old Richardson Highway Improvements plan set. The westerly segment is located in the SW ¼ of Section 5 and adjoins the northerly boundary of Wilson Subdivision.
- Hurst Road, Finell Road and a portion of Peridot Street were mapped for Project I-OA2-4(5) in 1985 and recorded as Plat 92-117. These rights-of-way are a mix of subdivision dedication, direct acquisition and section line easements.
- Woll Road is comprised of section line easements and subdivision dedications and is not represented on a set of ROW plans.

Richardson 4-Lane Controlled Access Corridor

- Project F-062-4(20) Richardson Highway, Section II SR-2 from 7.39 Miles SE of Fairbanks, SE. The ROW plans for this project were recorded as Plat 74-23 on April 17, 1974, FRD. The ROW width for the new alignment is generally 300-feet and may be wider in certain areas where the old ROW weaves in and out of the new ROW. The controlled access lines are generally located 100-feet on each side of the highway centerline typically leaving 50-feet of right-of-way outside the controlled access corridor.

Utility Permits in Controlled Access Facilities

DOT&PF utility permitting within controlled access facilities may be limited by the terms of 17 AAC 15.131 Utility accommodation on controlled access highways. This regulation provides that a “*Utility may not be installed within the controlled-access limits of a highway unless the utility demonstrates to the satisfaction of the department that (1) a feasible alternative does not exist; and (2) the proposed utility facility will not adversely affect the design, construction, maintenance, safety or operation of the highway.*” This regulation is intended to severely restrict longitudinal placement of utilities within controlled-access facilities while recognizing that crossings cannot be avoided. This language also does not prohibit placement in the strip of right-of-way where the controlled-access line is offset from the right-of-way line. The controlled-access line offset, where it does exist within the previously mentioned highway corridors, vary in width. For example, the Richardson corridor typically provides for a 50-foot offset where they were intended to incorporate frontage roads. We do note that DOT&PF Central Region has permitted longitudinal placement of utilities within the controlled-access



lines but only upon meeting the burden of showing that there was no feasible alternative along with the stipulations that the utility could not access the area for construction or maintenance activities from the highway side and that the utility could leave no maintenance access points (vaults/valves) within the controlled access area.

FNSB Rural Services Road Service Areas

Many of the roads and rights-of-way within the project boundaries are under the jurisdiction of the Fairbanks North Star Borough Rural Services Division.

“A service area is a taxing jurisdiction of the Borough established at the request of the voters to provide specific services. The Borough does not have area-wide powers for road construction or maintenance, fire or police protection, water and sewer service, or other local services. The mechanism used to provide these is the formation of service areas.”¹⁰

Generally these road rights-of-way have been dedicated through FNSB platting actions, although some may have been created through other means. Utility installation within road rights-of-way that have been incorporated into a Service Area are governed under FNSB Ordinances Title 14, Chapter 3 - Excavation and Construction on Public Roads Within Road Service Areas. These ordinances are intended to protect public roads after excavation or construction by ensuring that they are restored to their original condition. This is accomplished by requiring that a permit be obtained prior to any excavation or construction from FNSB.

Similar to roads under DOT&PF jurisdiction, in order to minimize the impact to the road ROW, FNSB will direct that utilities be located in adjoining Public Utility Easements where they exist.

To identify the roads within the project boundaries that are under FNSB jurisdiction, see “Attachment C: FNSB Road Service Area Maps”. The attachment provides an index map identifying the road service areas within the project boundaries and individual Service Area maps outlining the areas and naming the roads under FNSB jurisdiction.

Plat Reviews (Road and PUE)

Approximately 100-recorded plats within the project boundaries were downloaded and reviewed. As the intent of the project was to utilize existing public road rights-of-way and

¹⁰ FNSB Division of Rural Services 2015 Service Area Commissioner Handbook

public utility easements to the extent possible, each plat was reviewed for anomalies that could prevent their use. These include easement noted on a plat where the scope did not include installation of utilities or easements previously dedicated that were vacated in a subsequent platting action.

Public Utility Easements

Many of the subdivision plats indicate additional dedicated public utility easements in addition to the right-of-way dedications for roads. Some of the subdivisions have dedicated easements for specific purposes such as electric lines or other aerial crossings, however, the PUEs should be available for use of the proposed water distribution system where they are not already occupied by other utilities. They are not necessarily continuous from subdivision to subdivision and the widths tend to vary. Generally, we can expect that DOT&PF and FNSB Rural Services Division will direct a utility into using available PUEs that adjoin the road right-of-way in order to avoid future conflicts with highway construction and maintenance activities.

Right-of-Way Acquisition Summary

The project right-of-way review has resulted in the majority of the pipe being routed within existing road rights-of-way or public utility easements. Exceptions require the acquisition of a public utility easement from private parties or agencies.

Parcel No.	Owner1	Lot	Block / Section	Subdivision	Plat No.	FNSB PAN	Width	Area
1	UA Board of Regents	1	J	Wrangell	75-24	318221		4.3 ac.
2	Robert C. Riddle	6		Riddle Estates	2003-102	540315	20	9,924
3	Susan M. Lyons	5		Sorores	83-110	375497	25	1,222
4	Tracy Olmstead	4		Steelhead	83-141	383741	20	2,114
5	Francis S. James	12		Sorores	83-110	375560	20	961
6	Marcus L. Daniels	9		Steelhead	83-141	383791	20	1,673
7	Brian Stanford	TL-3222	32	T1S, R2E, FM		326747	25	5,313
TCE-7	Brian Stanford	TL-3222	32	T1S, R2E, FM		326747	15	
8	Naithien W. Detty	TR1		Taylor Property	WV 077-84	479250	25	5,231
TCE-8	Naithien W. Detty	TR1		Taylor Property	WV 077-84	479250	15	
9	Jeremiah L. Giehl	TR3		Taylor Property	WV 077-84	596648	25	6,208
11	HC Properties, LLC	TL-405	S4	T2S, R2E, FM		327832	20	10,982
12	Jack R. Bloom	TL-3015	30	T1S, R2E, FM		326356	20	5,268
13	Louis E. Hering	TL-3021	30	T1S, R2E, FM		326402		

14	Exene MacAlpine	TL-3020	30	T1S, R2E, FM		326399	20	3,294
15	Wells Family Trust	TL-3017	30	T1S, R2E, FM		326372	20	3,294
16	Wells Family Trust	TL-3016	30	T1S, R2E, FM		326364	20	3,294
17	Roy Myers	TL-3011	30	T1S, R2E, FM		326313	20	6,588
18A	UA Board of Regents	TL-3002	30	T1S, R2E, FM		326224	30	32,341
TCE-18A	UA Board of Regents	TL-3002	30	T1S, R2E, FM			10	
19	Ronald Rolfe Bergh	TrA	32	T1S, R2E, FM	2003-142	544761	30	6,812
20	FNSB Land Mgt.	TL-3226	32	T1S, R2E, FM		326780	35	5,072
21	Rory Edson	TL-607	6	T2S, R2E, FM		328201		
22	Jeremiah Cotter	TL-643	6	T2S, R2E, FM		328537	20	6,600
23	Austin L. Sipes	TL-639	6	T2S, R2E, FM		328499	20	6,602
24	John W. Sipes	TL-635	6	T2S, R2E, FM		328456		
25	Harold T. Sipes	TL-638	6	T2S, R2E, FM		328481	20	3,300
26	Harold T. Sipes	TL-636	6	T2S, R2E, FM		328464	20	3,300
27	Shawn D. Lowry	TL-627	6	T2S, R2E, FM		328383	20	4,880
28	Michael Allen Easton	TL-645	6	T2S, R2E, FM		328553	20	4,702
29	Earl T. Kelley	TL-623	6	T2S, R2E, FM		328341	20	4,160
30	OIT Properties, LLC		TRA	11 Mile Richardson		594349	20	3,308
31	James O. MacLean	7		Skyranch	79-134	287091	25	3,055
34	Teresa Estes	TL-500	5	T2S, R2E, FM		327913		8,408
35	Timothy Woodward	1	3	Wilson	172.041	316008	30	5,700
36	Darrell Voytilla	3		Glacier State	84-52	395854	20	2,611
37	Phillip J. Jones	TrA-1		Horseshoe Manor	92-61	302180	20	5,807
38	James R. Bradley	1A		Bradley Sky Ranch	2007-116	588016	20	8,180
39	Robert C. Riddle	1B		Bradley Sky Ranch	2007-116	588024	20	4,313
40	Klint J. Kinden	TL-812	8	T2S, R2E, FM		328707	20	7,293
TCE-41	Cool Guy Trust	1		Quinnell 2nd	2006-167	579033		
42	Jeffery M. Erickson	5	1	White Meadow Est.	85-162	429961	20	3,479
43	Joshua Irwin	13	3	Kingsman Est 1st	84-203	406384	20	4,566
TCE-44	Badger Properties, LLC	TL-504	5	T2S, R2E, FM		327964	15	
45	PBJ Enterprises, LLC	TL-541	5	T2S, R2E, FM		626993	25	32,969
46	William Alexander	B	5	Chapman Prop	WV 049-84	417149	25	
47	FNSB Land Mgt.	TL-640	6	T2S, R2E, FM		328502	30	4,350
48	Int. Investment Group	TL-606	6	T2S, R2E, FM		328197	30	
49	Charles L. Scott	TL-3216	32	T1S, R2E, FM		326682	30	9,832
TCE-49	Charles L. Scott	TL-3216	32	T1S, R2E, FM		326682	10	3,278
51	Shamika Bertero	12		Chaparral		333824	30	1,740
52	Emulsion Products Co.	1		Flightline Ind.	93-182	471879	20	8,300
TCE-53	Fairbanks Racing Lions	TL-652	6	T2S, R2E, FM		643591	15-20	44,524
TCE-54	Fairbanks Racing Lions	01E&	6	T2S, R2E, FM		643610	15	



TCE-56	PBJ Enterprises, LLC	TL-523	5	T2S, R2E, FM	328073	15	
TCE-57	Badger Properties, LLC	TL-531	5	T2S, R2E, FM	424412	15	
58	Rosson Trust	Tr E		T2S, R2E, FM	652669		

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North Pole Water Distribution System Expansion

Attachment A

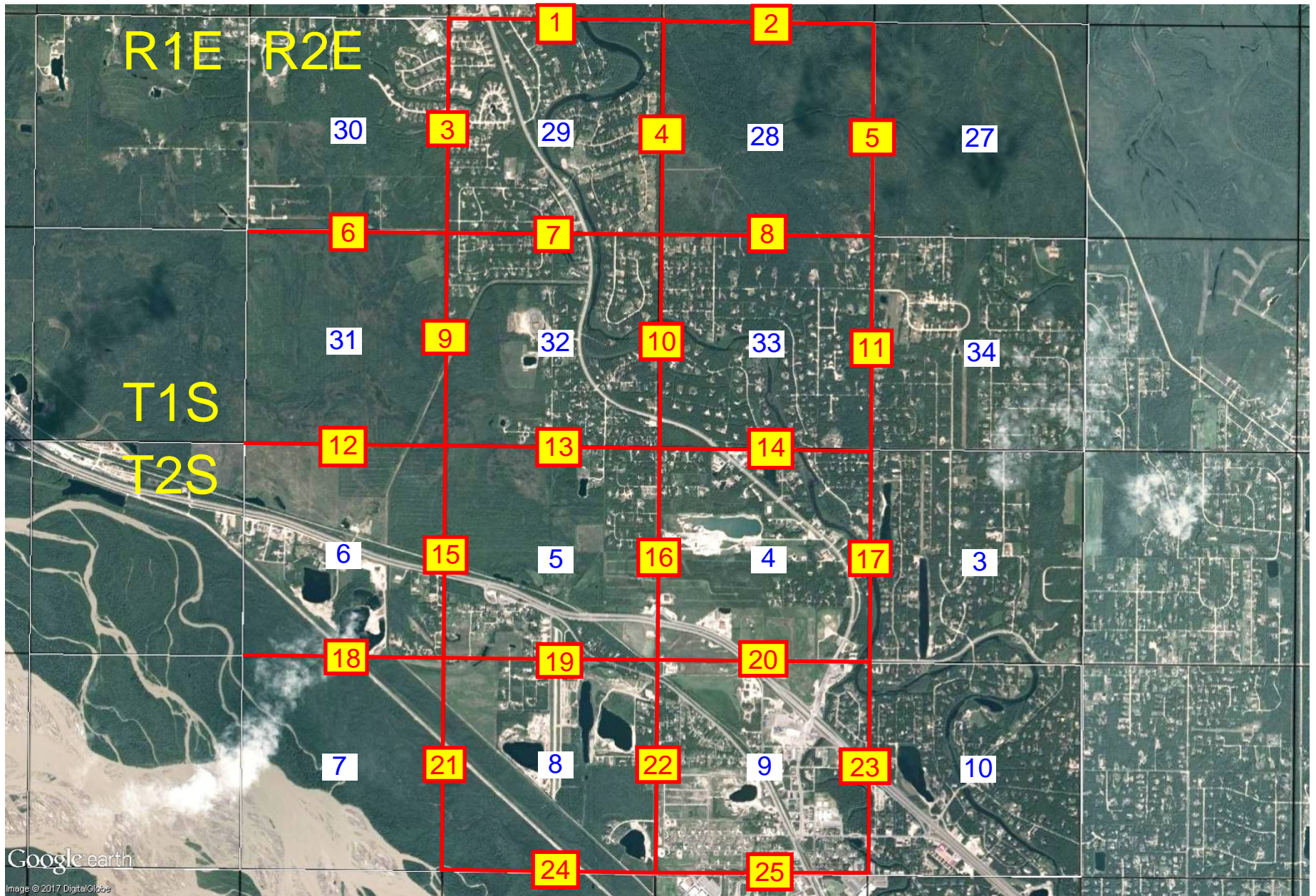
SECTION LINE EASEMENT RESEARCH

- Section Line Easement Index (1 page)
- Section Line Easement Research Spreadsheet (8 pages)
- Federal Master Title Plats Highlighting SLE Widths (5 pages)

August 11, 2017



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Legend

- 33 Section Numbers
- R2E Township/Range
- 1 Researched Line

Section Line Easement Index North Pole Water Distribution System Expansion

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
7	1S, 2E	29	S	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW1/4SW1/4 & Lot8, F 03019, see plat 75-136
7	1S, 2E	29	S	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
7	1S, 2E	29	S	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	
7	1S, 2E	32	N	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	N1/2NW1/4, F 03019, see plat 75-136
7	1S, 2E	32	N	1127839	Downing	12/18/44	12/8/49	7/13/21	33'	Lot 1, F 05850, Repp Rd
7	1S, 2E	32	N	1134705	Koonz	8/9/46	4/30/52	7/13/21	33'	Lot 2, F 06222
7	1S, 2E	32	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
8	1S, 2E	28	S	50-75-0096	State	6/19/61	10/25/74	3/1/51	50'	All
8	1S, 2E	33	N	1143494	Downing	4/14/47	3/25/54	3/1/51	0'	NW1/4NW1/4, F06475, Repp, see plats for road width
8	1S, 2E	33	N	1234499	State	5/4/61	12/21/63	3/1/51	50'	NE1/4NW1/4, N1/2NE1/4
9	1S, 2E	31	E	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE1/4. F 016249, Woll Rd
9	1S, 2E	31	E	50-75-0096	State	6/19/61	10/25/74	7/13/21	50'	E1/2SE1/4, F 027948, crosses drainage channel
9	1S, 2E	32	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	N1/2NW1/4, F 03019, Woll Rd 50' wide per plat 75-136
9	1S, 2E	32	W	1204420	Ryczkowski	6/19/52	2/1/60	7/13/21	33'	N1/2NW1/4/SW1/4NW1/4, F 09711, Woll Rd
9	1S, 2E	32	W	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	S1/2NW1/4/SW1/4NW1/4, NE1/4/SW1/44NW1/4, S1/2SW1/4NW1/4. f 024504

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
9	1S, 2E	32	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	W1/2SW1/4, F 027948, crosses drainage channel
10	1S, 2E	33	W	1234499	SOA DNR	5/4/61	12/31/63	7/13/21	50'	Lot 2, Badger Rd & SW1/4SW1/4, F 027701, Peridot
10	1S, 2E	32	E	1127839	Downing	12/18/44	12/8/49	7/13/21	33'	Lot 1, F 05850, Repp Rd
10	1S, 2E	32	E	1158312	Koonz	5/12/48	3/26/56	7/13/21	33'	GL5
10	1S, 2E	32	E	1161815	Hammontree	7/23/53	7/17/56	7/13/21	33'	S1/2 SE1/4
10	1S, 2E	32	E	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
10	1S, 2E	33	W	1143494	Downing	4/14/47	3/25/54	7/13/21	33'	NW1/4NW1/4, F06475, Repp, see plats for road width
10	1S, 2E	33	W	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
11	1S, 2E	33	E	1234499	State	5/4/61	12/31/63	7/13/21	50'	Hollowell Road
11	1S, 2E	34	W	1193282	Repp	10/4/54	3/5/59	2/2/55	33'	N1/2NW1/4, F 011923, Hollowell Rd.
11	1S, 2E	34	W	1223591	Rawson	5/15/58	10/25/61	2/2/55	33'	S1/2NW1/4, F 019623, Hollowell Rd
11	1S, 2E	34	W	1231520	Hollowell	11/27/59	4/8/63	2/2/55	33'	SW1/4, F 024501, Hollowell Rd
12	1S, 2E	31	S	1208792	Richardson	9/17/58	5/20/60	7/13/21	33'	SW4SE4, SE4SW4, GL4
12	1S, 2E	31	S	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	E2SE4
12	2S, 2E	6	N	1131144	Myers	2/15/50	2/14/51	6/4/21	33'	N2NE4
12	2S, 2E	6	N	1131146	Chesser	11/23/49	2/14/51	6/4/21	33'	N2NW4

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
13	1S, 2E	32	S	1161815	Hammtree	7/23/53	7/17/56	7/13/21	33'	S1/2SE1/4 & SE1/4SW1/4, F 010564
13	1S, 2E	32	S	50-75-0096	State	6/19/61	10/25/74	7/13/21	50'	W1/2SW1/4, F 027948
13	2S, 2E	5	N	1155033	Hester	3/12/54	10/17/55	6/4/21	33'	NW1/4
13	2S, 2E	5	N	1160573	Koonz	11/23/49	6/14/56	6/4/21	33'	NE1/4NE1/4, F 07868. Plack Road
13	2S, 2E	5	N	1226104	Miller	3/13/53	4/2/62	6/4/21	33'	W1/2 NW1/4
14	1S, 2E	33	S	1234499	State	5/4/61	12/21/63	3/1/51	50'	E1/2E1/2 & Lot 8, F 027701, Plack Road
14	1S, 2E	33	S	1234499	State	5/4/61	12/21/63	7/13/21	50'	Lot 3, Badger Rd & SW1/4SW1/4, F 027701, Plack Road
14	1S, 2E	33	S	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
14	2S, 2E	4	N	1123732	Goheen	9/7/40	7/29/48	6/4/21	33'	Lots 1 & 2, F 04471, Plack Road
14	2S, 2E	4	N	1160573	Koonz	11/23/49	6/14/56	6/4/21	33'	Lot 3, F 07868. Plack Road
14	2S, 2E	4	N	1197954	Henry	5/13/57	8/5/59	6/13/55	33'	Lot 7, F 014597, Plack Road
14	2S, 2E	4	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
15	2S, 2E	5	W	1127841	Loomis	10/16/46	12/8/49	6/4/21	33'	S2SW4
15	2S, 2E	5	W	1153002	Ritter	3/12/52	7/22/55	6/4/21	33'	GL9, GL10, GL11
15	2S, 2E	5	W	1155033	Hester	4/12/54	10/17/55	6/4/21	33'	NW4
15	2S, 2E	5	W	1177603	Hodges	4/17/53	12/12/57	6/4/21	33'	GL5, GL6

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
15	2S, 2E	5	W	50-65-0259	Hodges	12/1/60	10/22/64	6/4/21	33'	NE4SW4
15	2S, 2E	5	W	50-65-0261	Ritter	9/29/60	10/22/64	6/4/21	33'	GL19, 21, 22
15	2S, 2E	6	E	1129332	Howell	7/27/48	6/21/50	6/4/21	33'	N2SE4
15	2S, 2E	6	E	1131144	Myers	2/15/50	2/14/51	6/4/21	33'	E2NE4
15	2S, 2E	6	E	1165276	Pierce	3/28/52	10/5/56	6/4/21	33'	SESE4
16	2S, 2E	4	W	1146524	Troxler, R.	7/20/51	9/10/54	6/4/21	33'	S1/2SW1/4, F 08861, Peridot N of Hurst
16	2S, 2E	4	W	1155658	Quinnell	5/17/54	11/16/55	6/4/21	33'	N1/2SW1/4, F 011006, Peridot N of Hurst
16	2S, 2E	4	W	1160573	Koonz	11/23/49	6/14/56	6/4/21	33'	S1/2NW1/4 & Lot 3, F 07868. Peridot N of Hurst
16	2S, 2E	5	E	1146524	Troxler, R.	7/20/51	9/10/54	6/4/21	33'	Lot 15, F 08861, Peridot N of Hurst
16	2S, 2E	5	E	1155658	Quinnell	5/17/54	11/16/55	6/4/21	33'	NE1/4SE1/4&SE1/4NE1/4, F 011006, Peridot N of Hurst
16	2S, 2E	5	E	1160573	Koonz	11/23/49	6/14/56	6/4/21	33'	NE1/4NE1/4, F 07868. Peridot N of Hurst
17	2S, 2E	3	W	1168569	Dunn, L.	6/1/51	2/13/57	6/13/55	0'	Lot 5, F 08795, Free Wright Ln
17	2S, 2E	3	W	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
17	2S, 2E	3	W	50-67-0494	Wright	10/31/61	5/3/67	6/13/55	33'	Lot 4, F 028600, FreeWright Ln
17	2S, 2E	4	E	1197954	Henry	5/13/57	8/5/59	6/4/21	33'	Lots 7 & 8, F 014597, Free Wright Ln
17	2S, 2E	4	E	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
17	2S,2E	4	E	50-81-0172	SOA DNR	12/18/59	9/18/81	N/A	50'	Lot 9
18	2S,2E	6	S	1150516	Jacobsen	1/20/53	3/14/55	6/4/21	33'	GL6, GL7
18	2S,2E	6	S	1165276	Pierce	3/28/52	10/5/56	6/4/21	33'	S2SE4
18	2S,2E	6	S	50-81-0172	SOA DNR	12/18/59	12/21/11	N/A	50'	SE4SW4
19	2S,2E	5	S	1127841	Loomis	10/16/46	12/8/49	6/4/21	33'	S2SW4
19	2S,2E	5	S	1146524	Troxler, R.	7/20/51	9/10/54	6/4/21	33'	SE4SE4
19	2S,2E	5	S	1146836	Moore	8/27/51	9/27/54	6/4/21	0'	Vacated 33' SLE
19	2S,2E	5	S	50-2006-0162	ARRC	1/4/85	3/17/06	6/4/21	33'	USS 9073 Lot 2
19	2S,2E	5	S	50-65-0260	Troxler	10/20/60	10/22/64	6/4/21	33'	GL17 Highway Lot
19	2S,2E	5	S	50-65-0468	Showalter	6/28/61	2/19/65	6/4/21	33'	GL16
19	2S,2E	5	S	F024657	SOA DNR	12/18/59		N/A	50'	State Selected GL18 Highway Lot
19	2S,2E	8	N	1146525	Bradley	12/10/52	9/20/54	6/4/21	0'	NE4 Vacated 33' SLE
19	2S,2E	8	N	1147004	Moore	12/12/52	10/5/54	6/4/21	33'	GL2
19	2S,2E	8	N	1147480	Moore	12/11/52	10/26/54	6/4/21	33'	E2NW4
19	2S,2E	8	N	1180506	Williams	12/10/52	3/25/58	6/4/21	33'	W2NW4
19	2S,2E	8	N	50-2006-0162	AARC	1/4/85	3/17/06	6/4/21	33'	USS 9073 Lot3

North Pole Water System - Section Line Easements

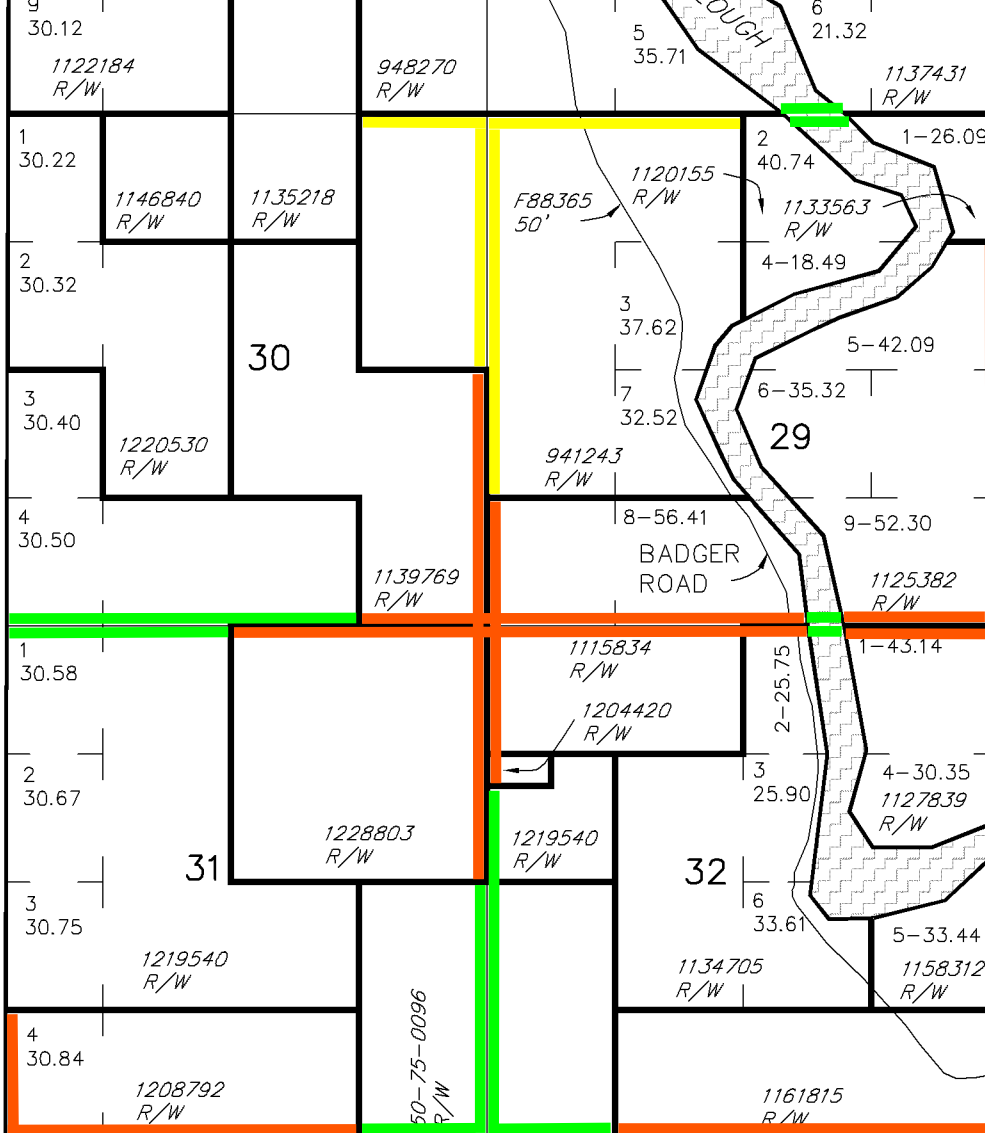
Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
19	2S,2E	8	N	50-65-0262	Bradley	5/10/60	10/22/64	6/4/21	33'	GL4 Highway Lot
19	2S,2E	8	N	50-65-0468	Showalter	6/28/61	2/19/65	6/4/21	33'	GL8 Highway Lot
20	2S, 2E	4	S	1103193	Adler, D.	8/20/35	6/16/39	6/4/21	33'	GL6, GL7
20	2S, 2E	4	S	1146524	Troxler, R.	7/20/51	9/20/54	6/4/21	33'	S2SW4
20	2S, 2E	4	S	1226544	Lewis, W.	8/24/59	4/25/62	6/4/21	33'	SW4SE4
20	2S, 2E	4	S	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
20	2S, 2E	4	S	50-81-0172	SOA DNR	12/18/59	12/21/11	N/A	50'	GL9
20	2S, 2E	9	N	1103193	Adler, D.	8/20/35	6/16/39	6/4/21	33'	NE4NE4
20	2S, 2E	9	N	1127840	Finell, C.	5/20/46	12/8/49	6/4/21	33'	NW4
20	2S, 2E	9	N	1226544	Lewis, W.	8/24/59	4/25/62	6/4/21	33'	NW4NE4
20	2S, 2E	9	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
20	2S, 2E	9	N	50-65-0085	Lyon, W.	10/22/63	8/12/64	6/4/21	33'	GL1
21	2S, 2E	7	E	1177606	Wonderly	4/15/54	12/12/57	6/4/21	33'	NE4
21	2S, 2E	7	E	50-81-0172	SOA DNR	12/18/59	12/21/11	N/A	50'	GL 3 & 4
21	2S, 2E	8	W	1180506	Williams	12/10/52	3/25/58	6/4/21	33'	W2NW4
21	2S, 2E	8	W	50-81-0172	SOA DNR	12/18/59	12/21/11	N/A	50'	NW4SW4 & GL 1

North Pole Water System - Section Line Easements

Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
22	2S, 2E	8	E	1131015	Ford	7/15/49	1/29/51	6/4/21	33'	SE4SE4
22	2S, 2E	8	E	1133567	Baker	4/28/50	1/7/52	6/4/21	33'	NE4SE4
22	2S, 2E	8	E	1146525	Bradley	12/10/52	9/20/54	6/4/21	33'	NE4
22	2S, 2E	8	E	50-2006-0162	ARRC	1/4/85	3/17/06	6/4/21	33'	USS 9073 Lot 3
22	2S, 2E	8	E	50-650314	Kinney	10/11/60	11/16/64	6/4/21	33'	GL 9
22	2S, 2E	9	W	1127840	Finell	5/20/46	12/8/49	6/4/21	33'	NW4
22	2S, 2E	9	W	1131015	Ford	7/15/49	1/29/51	6/4/21	33'	S2SW4
22	2S, 2E	9	W	1146834	Gowin	11/20/50	9/27/54	6/4/21	33'	N2SW4
22	2S, 2E	9	W	50-2006-0162	ARRC	1/4/85	3/17/06	6/4/21	33'	USS 9073 Lot 4
23	2S, 2E	9	E	1103193	Adler, D.	8/20/35	6/16/39	6/4/21	33'	E2NE4 & NE4SE4
23	2S, 2E	9	E	1125198	Davis	4/11/44	5/10/49	6/4/21	33'	SE4SE4
23	2S, 2E	9	E	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
23	2S, 2E	9	E	50-65-0085	Lyon, W.	10/22/63	8/12/64	6/4/21	33'	NE4NE4
23	2S, 2E	10	W	1082881	Murry	3/18/32	4/27/36	6/4/21	33'	W2SW4, SW4NW4, GL5
23	2S, 2E	10	W	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
23	2S, 2E	10	W	50-67-0439	Shoemake	1/7/64	3/17/67	6/4/21	33'	GL4

North Pole Water System - Section Line Easements

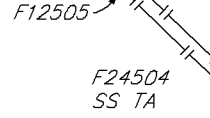
Index	Twp.	Sec.	Bdy.	Patent No.	Name	Appl. Date	Patent Date	Survey Approval	Width	Comment
1	1S, 2E	29	N	941243	Horn	9/28/22	7/9/24	7/13/21	0'	N2NW4
1	1S, 2E	29	N	30 Mile Sl	SOA DNR	N/A	N/A	N/A	50'	Navigable water
2	1S, 2E	28	N	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
3	1S, 2E	29	W	941243	Horn	9/28/22	7/9/24	7/13/21	0'	W2NW4, NW4SW4
3	1S, 2E	29	W	1115834	Mortimer	4/15/35	12/1/42	7/13/21	33'	SW4SW4, GL8
3	1S, 2E	30	E	941243	Horn	9/28/22	7/9/24	7/13/21	0'	E2NE4
3	1S, 2E	30	E	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	E2SE4
4	1S, 2E	28	W	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
4	1S, 2E	29	E	1125382	Dassatti	4/4/44	4/13/49	7/13/21	33'	Lot 9, F 05662, Repp Rd
5	1S, 2E	28	E	50-75-0096	SOA DNR	6/19/61	10/25/74	7/13/21	50'	Entire section
6	1S, 2E	30	S	1139769	Woll	9/29/49	7/9/53	7/13/21	33'	SE4SE4
6	1S, 2E	30	S	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	SW4SE4, SE4SW4, GL4
6	1S, 2E	31	N	1219540	SOA DNR	11/30/59	5/10/61	7/13/21	50'	NE4NW4, GL1
6	1S, 2E	31	N	1228803	Morkzeski	10/8/57	10/1/62	7/13/21	33'	NE4
24	2S, 2E	8	S	1131015	Ford	7/15/49	1/29/51	6/4/21	33'	SE4SE4
24	2S, 2E	8	S	1133567	Baker	4/28/50	1/7/52	6/4/21	33'	SW4SE4
24	2S, 2E	8	S	50-81-0172	SOA DNR	12/18/59	12/21/11	N/A	50'	S2SW4
25	2S, 2E	9	S	1125198	Davis	4/11/44	5/10/49	6/4/21	33'	S2SSE4
25	2S, 2E	9	S	1131015	Ford	7/15/49	1/29/51	6/4/21	33'	S2SW4
25	2S, 2E	9	S	50-2006-0162	ARRC	1/4/85	3/17/06	6/4/21	33'	USS 9073 Lot 4



T1S, R2E, FM

Twp Survey Approved 7/13/1921

	0' SLE
	50' State SLE
	33' Federal SLE



SEE SUPPLEMENTAL PLAT
NO 2




6

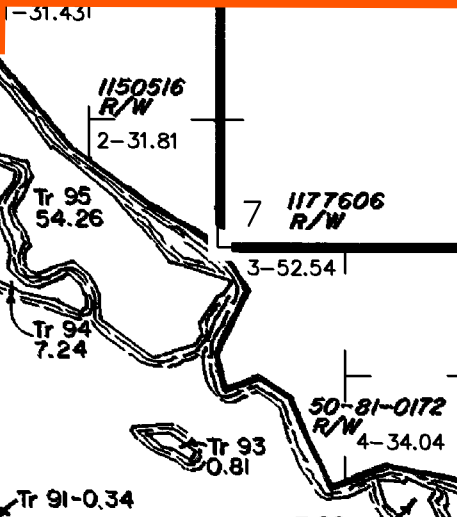
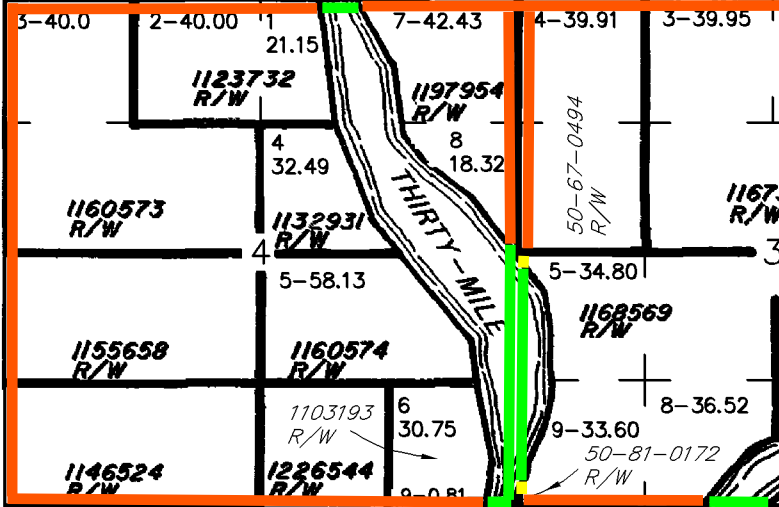
T2S, R2E, FM

Twp Survey Approved 6/4/1921

SEE SUPPLEMENTAL PLAT
NO 1

5

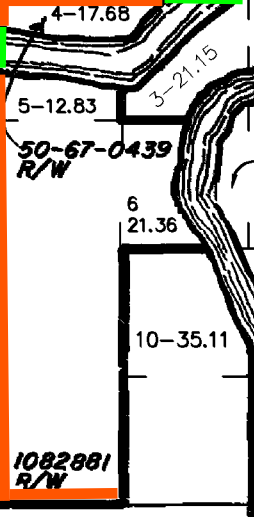
	0' SLE
	50' State SLE
	33' Federal SLE

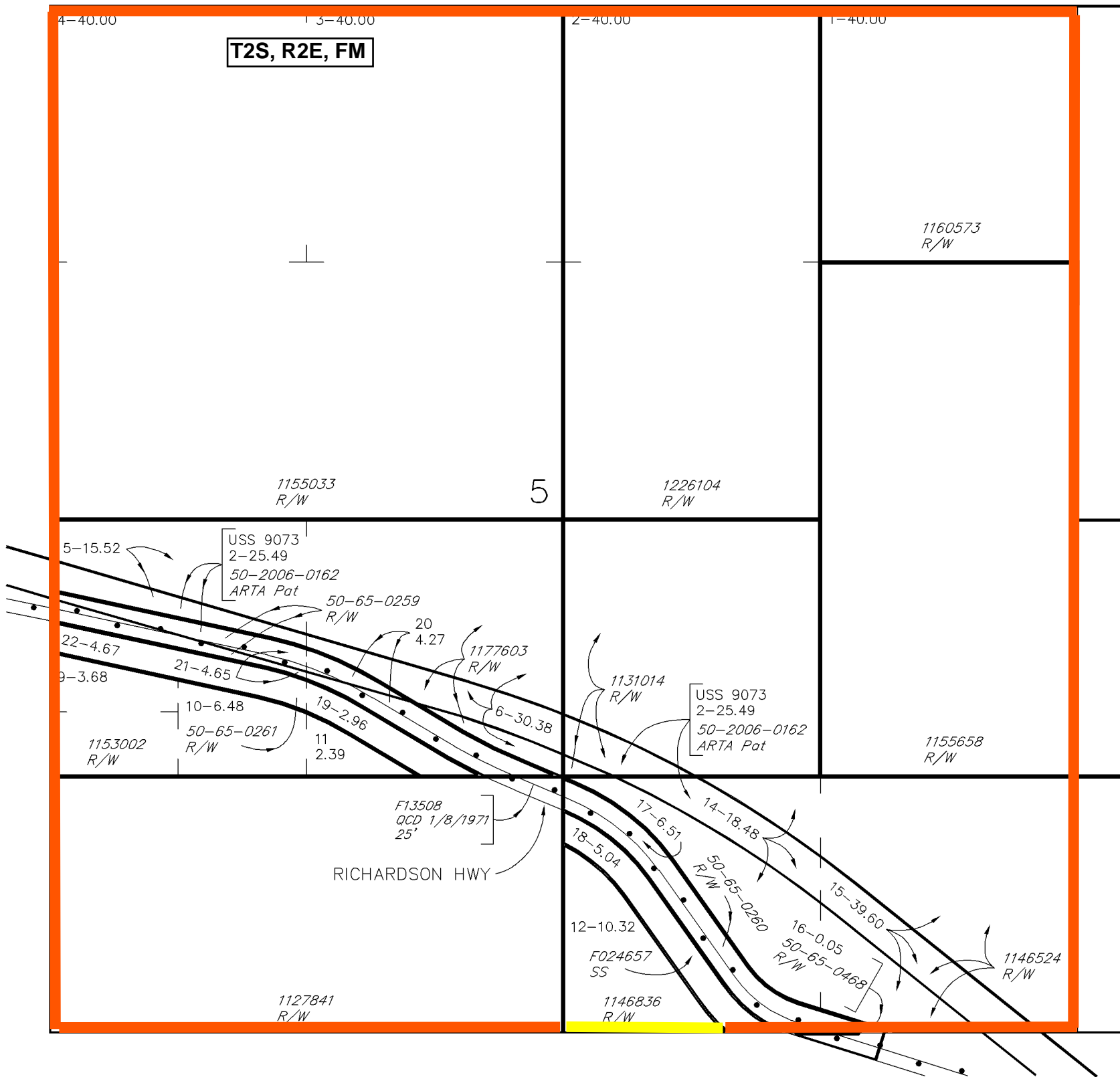


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NO 3

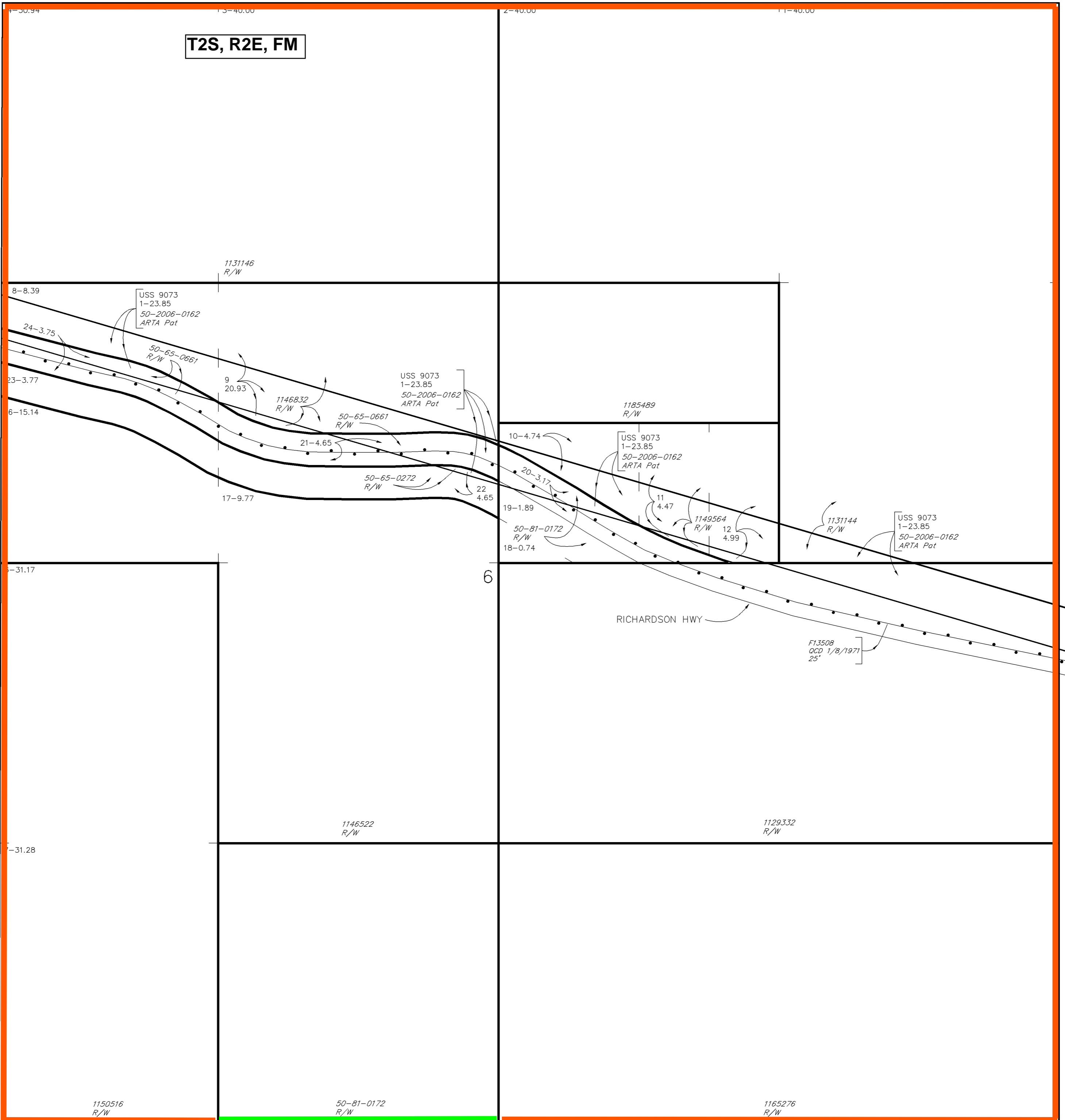
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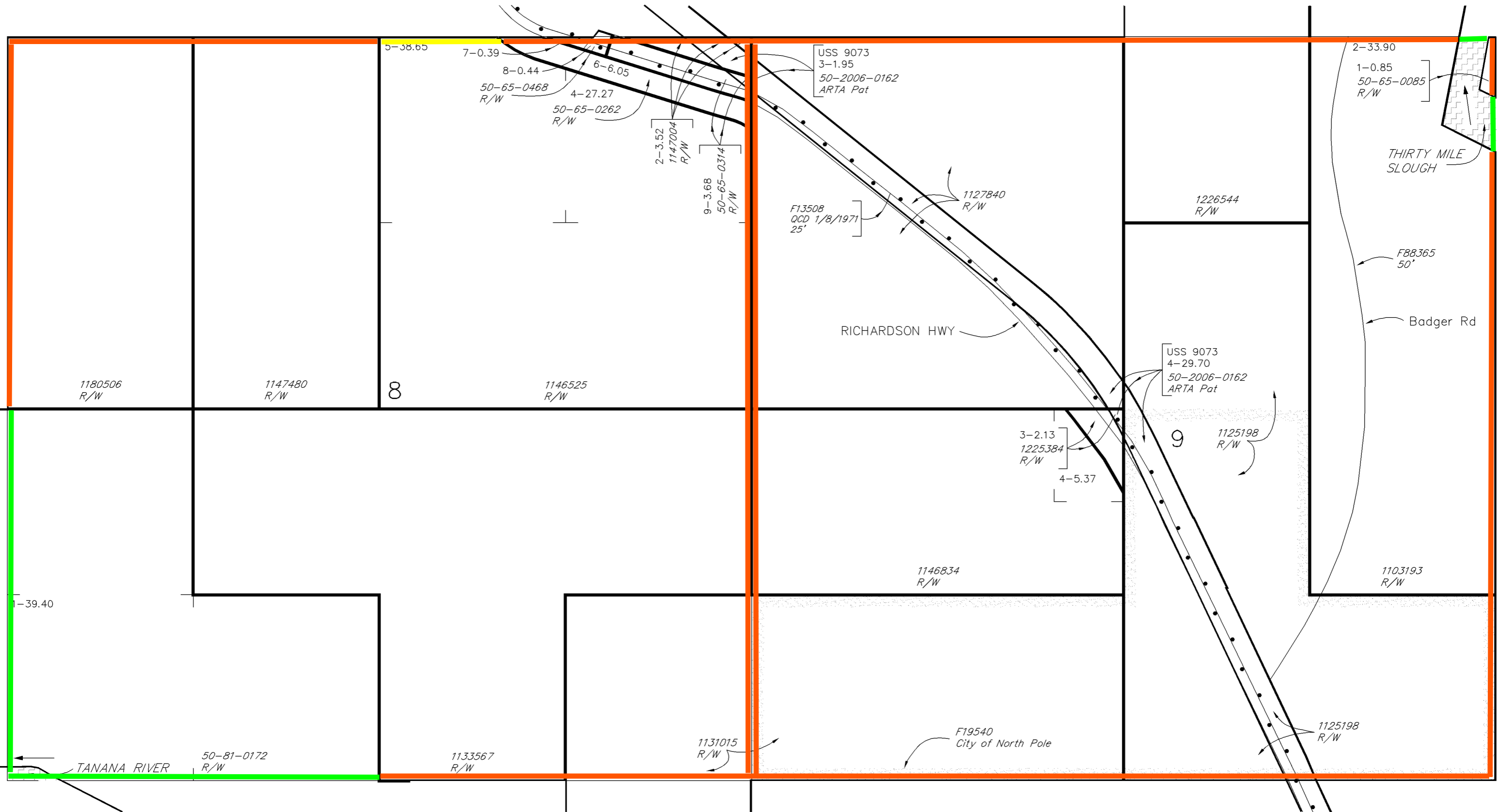
PARTIALLY SURVEYED TOWNSHIP 2 SOUTH RANGE 2 EAST OF THE FAIRBANKS MER

PROTRACTION DIAGRAM NO. F9-4 OFFICIALLY FILED 6/21/1960



PARTIALLY SURVEYED TOWNSHIP 2 SOUTH RANGE 2 EAST OF THE FAIRBANKS MERIDIAN

PROTRACTION DIAGRAM NO. F9-4 OFFICIALLY FILED 6/21/1960



North Pole Water Distribution System Expansion

Attachment B

ROADS IN DOT&PF REPORTING SYSTEM

- DOT&PF Roads Index (1 page)
- CDS Reporting System Spreadsheet (1 page)

August 11, 2017



Innovating Today for Alaska's Tomorrow



North Pole Water System Area Roads in DOT&PF CDS Reporting System

Note: Labeled roads are primarily under DOT&PF Management Jurisdiction. Certain Portions may be under City of North Pole or FNSB Rural Services jurisdiction. See DOT&PF CDS Logs.

North Pole Water System Expansion Area Roads In DOT&PF CDS Reporting System

#	Road	CDS	Management	CDS Milepoint		Road Landmarks		General	Project No.	Plat No.	Basis of ROW
	Name	Route	Responsibility	Begin	End	From	To	Direction	ROW Plans	FRD	
1	Badger Road	188800	DOT&PF	8.21	10.92	Repp	Hurst	SE	RS-0620(6)	2008-28	Acquisition
2	Finell	188261	DOT&PF	0.00	0.52	Peridot	Richardson	East	I-OA2-4(5)	92-117	SLE, Dedication & Acq.
3	Hurst Road	188860	DOT&PF	3.92	4.48	1/4 Corner	Peridot	West	I-OA2-4(5)	92-117	SLE, Dedication & Acq.
4	Old Richardson	188100	DOT&PF	3.72	4.89	Tanana Dr.	Richardson	NW	IM-0002(127)	2010-119	PLO & Acquisition
5	Peridot Road	188880	DOT&PF	0.00	0.19	Finell	Richardson	North	I-OA2-4(5)	92-117	SLE, Dedication & Acq.
6	Plack Road	188500	DOT&PF	3.42	3.71	Kimi St.	Badger	West	STP-0002(214)	unrecorded	SLE, Dedication & Acq.
7	Richardson	190000	DOT&PF	351.06	353.24	Peridot	Sand Lot Ct.	NW	F-062-4(20)	74-23	PLO, Prescription & Acq.
8	Woll	188811	DOT&PF	0.83	1.48	Payton Av.	SWx Garden	South	n/a		SLE, Dedication
9	Peridot Road	188880	CONP	0.19	0.27	Richardson	"Church"	North	n/a		SLE, Dedication
10	Brock Road	188335	Borough	2.13	2.49	Repp	Natalie	South	n/a		SLE, Dedication
11	Peridot Road	188880	Borough	0.27	1.49	"Church"	Garnet	North	n/a		SLE, Dedication

a. CDS means "Coordinated Data System", a DOT&PF road log database. (2017) See: <http://www.dot.alaska.gov/hdpapp/forms/Reports.html>

b. # 1-8 will require a DOT&PF Utility Permit

c. # 9 - No permit required as Water System Project will be owned and operated by CONP.

d. # 10 - Only that portion of Brock Road within Pinestream Service Area requires an FNSB Permit.

e. SLE = Section Line Easement / PLO = Public Land Order

North Pole Water Distribution System Expansion

Attachment C

FNSB ROAD SERVICE AREA MAPS

- RSA Index (1 page)
- RSA Maps (4 pages)

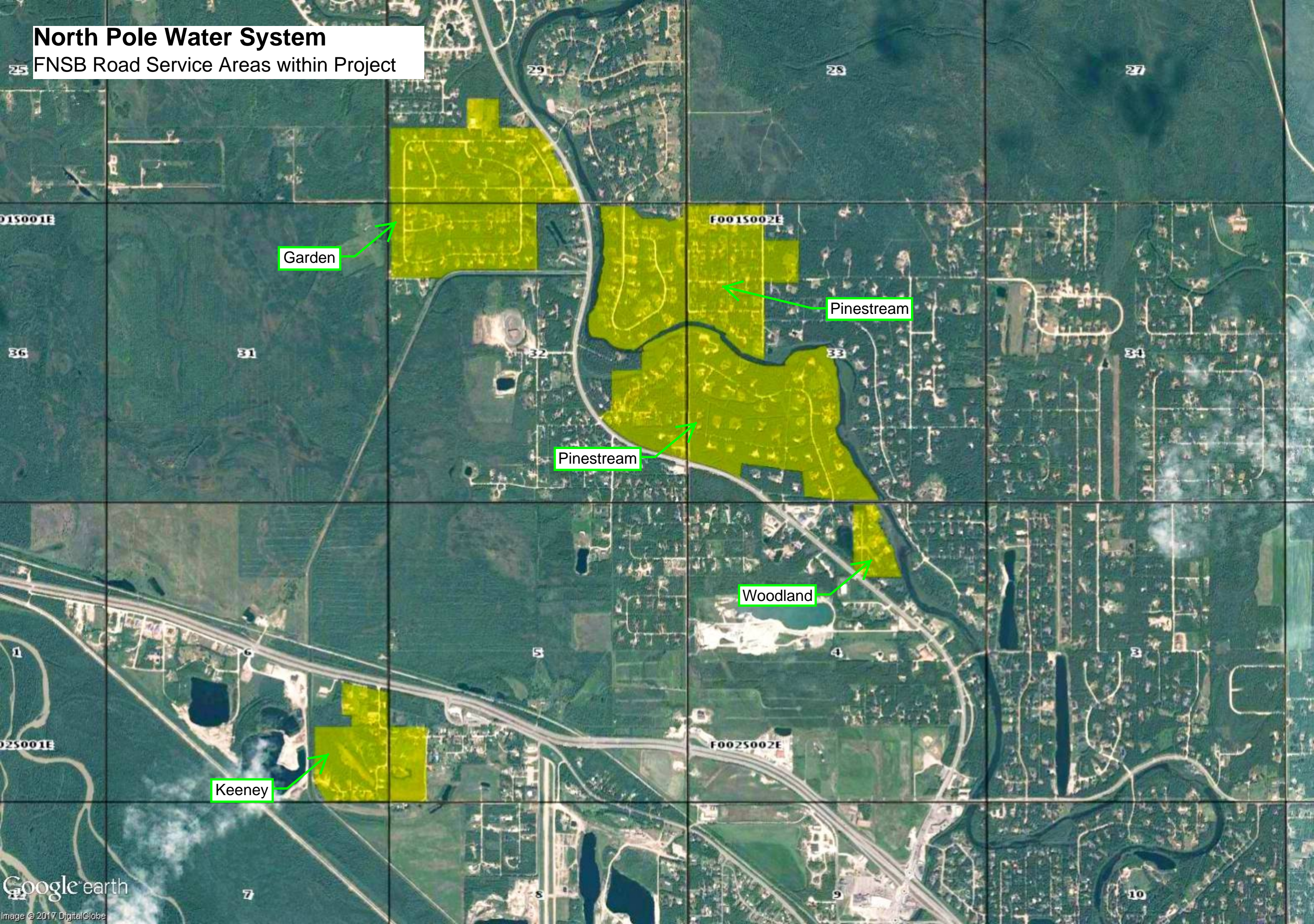
August 11, 2017



Innovating Today for Alaska's Tomorrow

North Pole Water System

FNSB Road Service Areas within Project



Garden

Pinestream

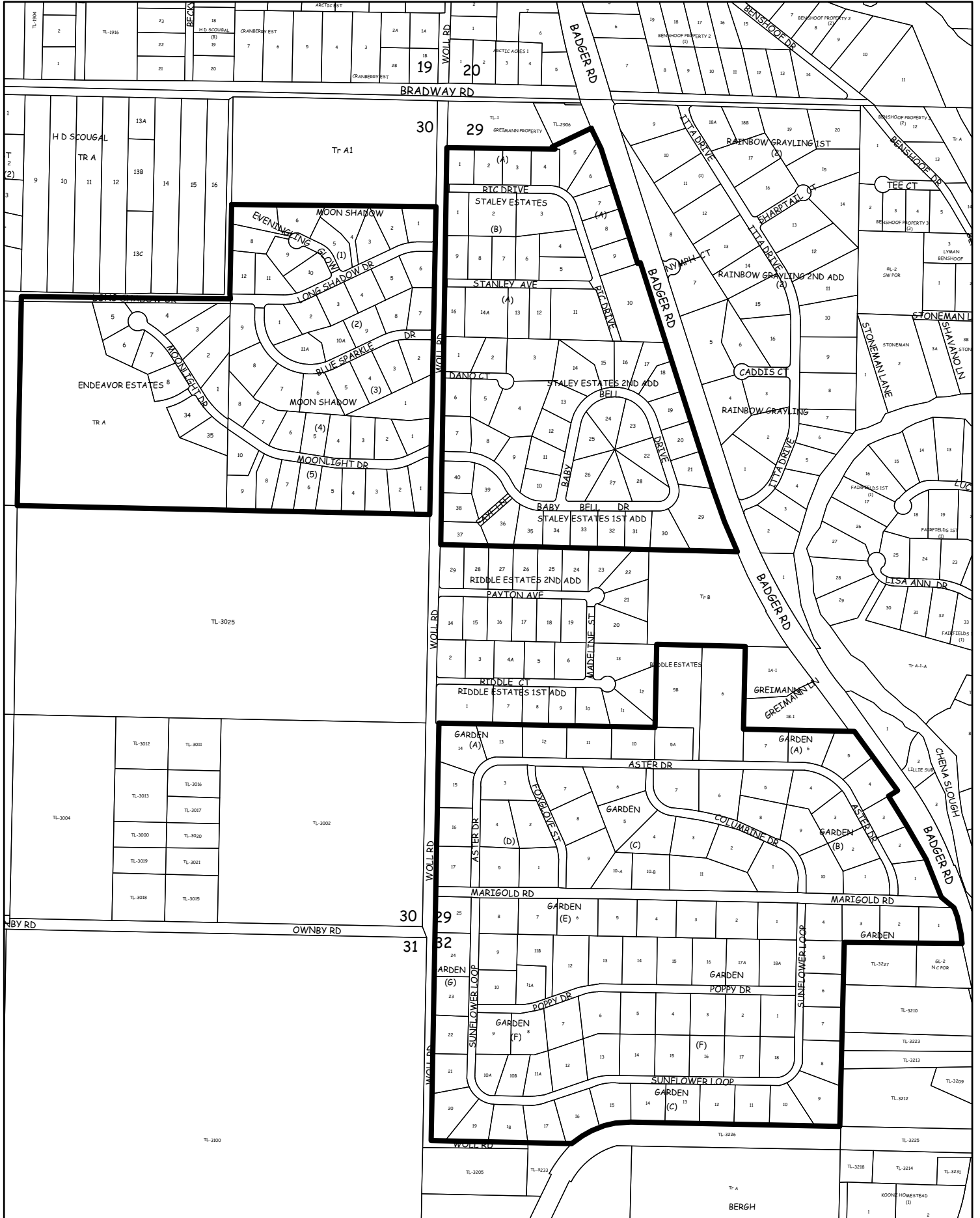
Pinestream

Woodland

Keeney

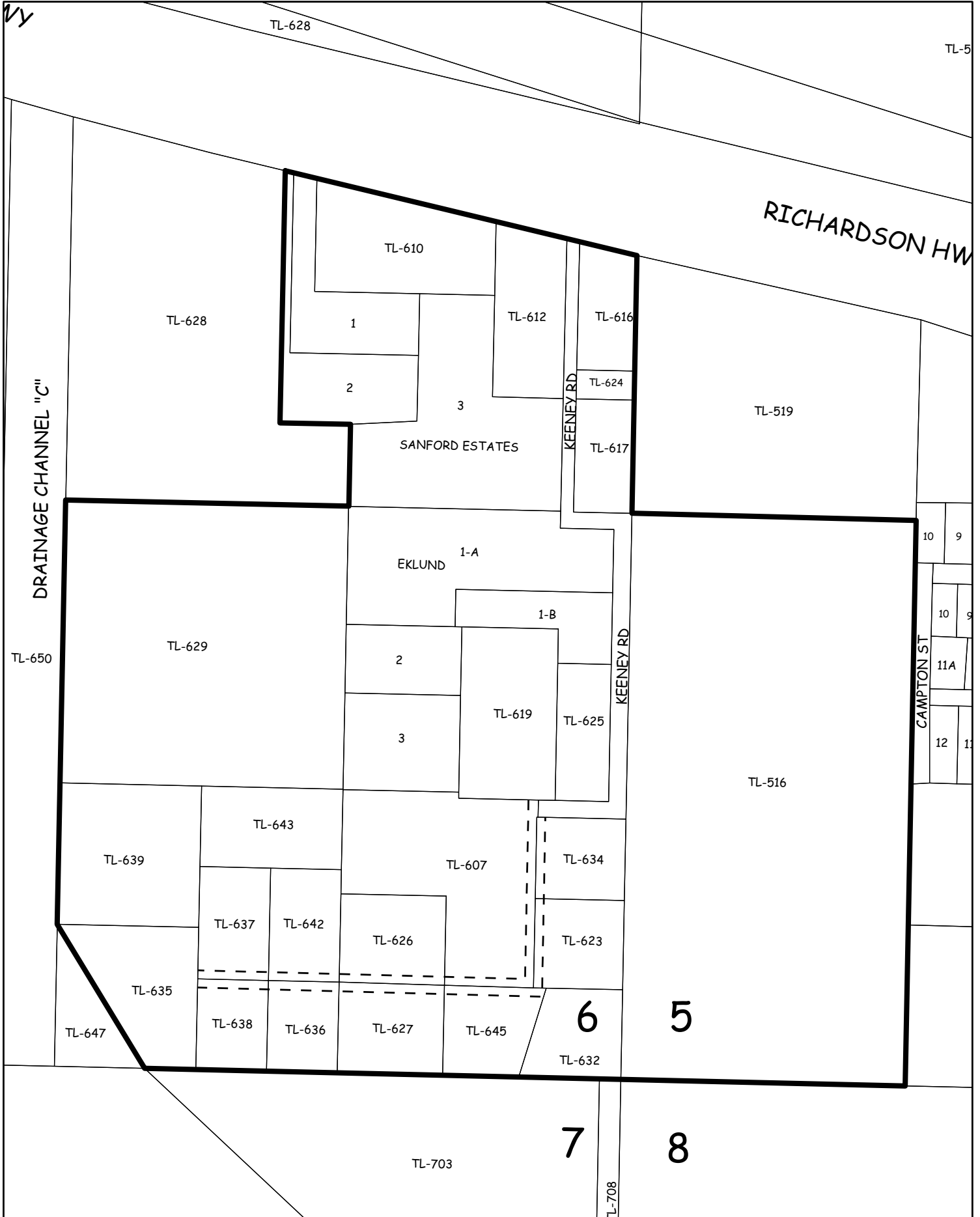


GARDEN SERVICE AREA



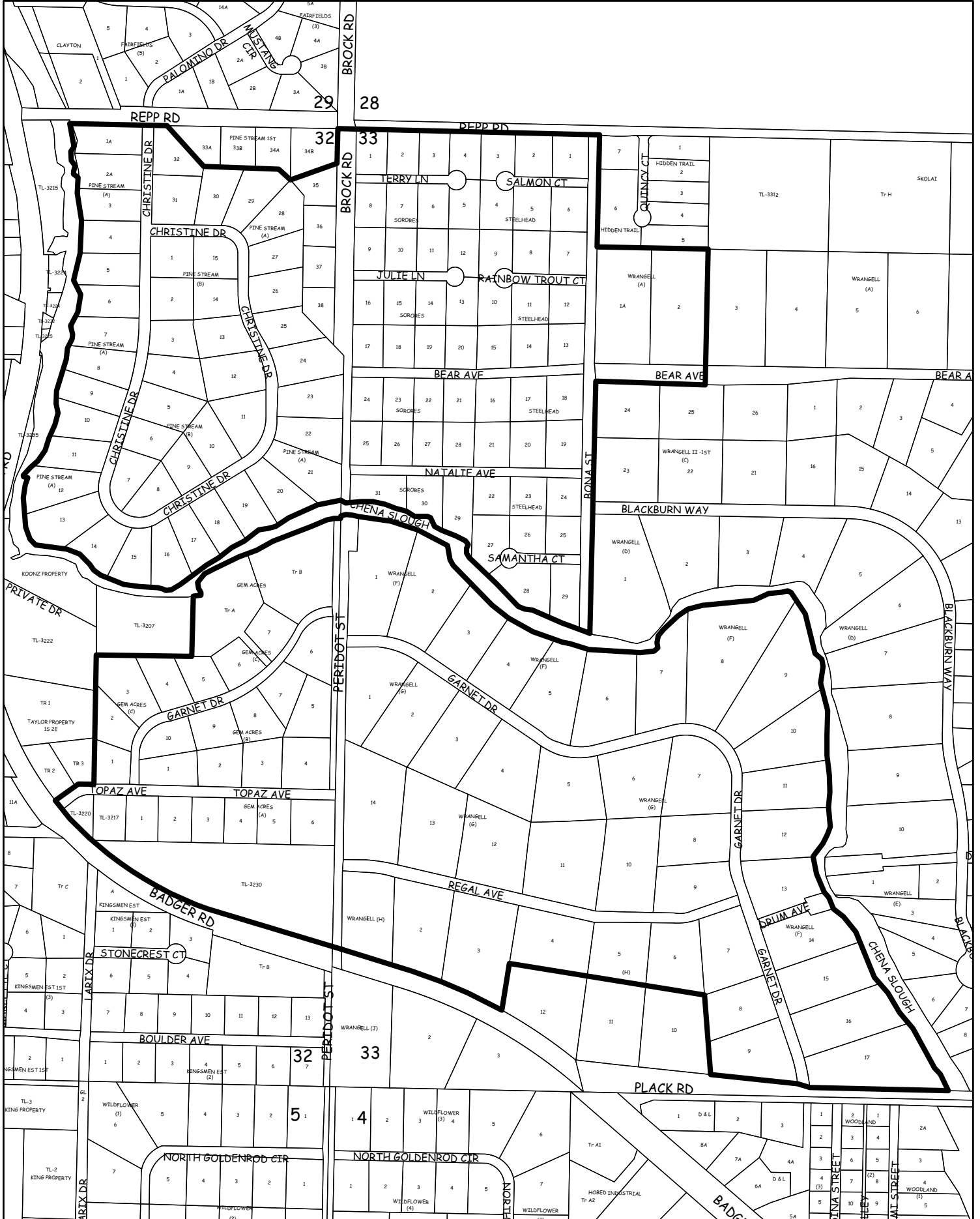


KEENEY ROAD SERVICE AREA



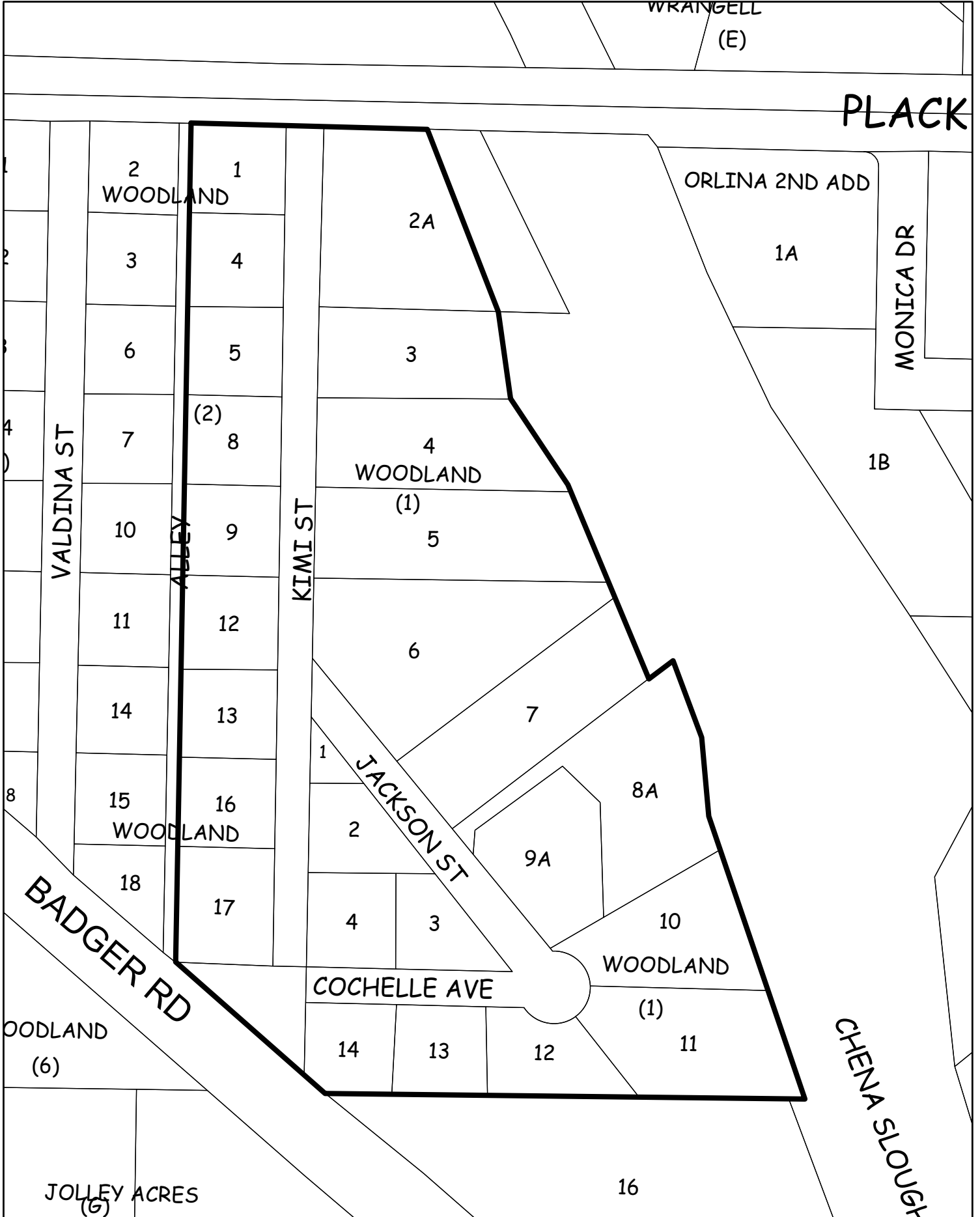


PINE STREAM SERVICE AREA





WOODLAND SERVICE AREA



North Pole Water Distribution System Expansion

Attachment D

PLAT REVIEW

Review of recorded plats for right-of-way dedications and public utility easements

(3 pages)

August 11, 2017



Innovating Today for Alaska's Tomorrow

Recorded Plat Review					
TWP	Sec	Name	Plat No.	Road	Note
T1S R2E	0	Badger Road ROS	97-50	Badger	
T1S R2E	0	Badger Road ROW Plans	2008-28	Badger	
T1S R2E	29	Clayton Subd	90-107	Repp	
T1S R2E	29	Fairfields Subd	82-56	Repp	
T1S R2E	29	Fairfields Subd Replat	82-101	Repp	
T1S R2E	29	Garden	75-136	Woll	Dedication east of section line
T1S R2E	29	Riddle Est. 1st	2004-113	Woll	
T1S R2E	29	Riddle Est. 1st	2005-130		
T1S R2E	29	Riddle Est. 2nd	2007-107	Woll	
T1S R2E	29	Riddle Est. Lot 6 Replat	2003-130		
T1S R2E	29	Riddle Estates	2003-102	Woll	
T1S R2E	32	Bergh Subdivision	2003-142		
T1S R2E	32	Garden	75-136	Woll	Dedication east of section line
T1S R2E	32	Gem Acres	73-40	Peridot	
T1S R2E	32	Kingsmen Est	84-78	Badger	
T1S R2E	32	Kingsment Est 1st	84-203		
T1S R2E	32	Koonz	93-185	Badger	
T1S R2E	32	Koonz Homestead	72-7	Badger	
T1S R2E	32	Koonz Homestead 1st	87-95		
T1S R2E	32	North Pole Speedway	2009-84		
T1S R2E	32	Pine Stream	82-31	Repp	
T1S R2E	32	Pine Stream 1st	84-206	Repp	SLE W of Sec. Line within Subd.
T1S R2E	32	Pine Stream Subd	2012-45	Repp	SLE S of Sec. Line
T1S R2E	32	Racing Lions Subdivision	2015-36		
T1S R2E	32	White Meadow Est.	85-162		
T1S R2E	33	Hidden Trl	86-184	Repp	Dedication E of road
T1S R2E	33	Sorores	83-110	Repp	50' Dedication East of Brock Road
T1S R2E	33	Steelhead	83-141	Repp	
T1S R2E	33	Wrangell	75-24	Peridot	
T2S R2E	4	Barnebey ROS	2013-33		
T2S R2E	4	Beulah Est	98-76	Badger	See Badger ROW/ROS
T2S R2E	4	D & L	94-6	Badger	33' dedicated S of Sec Line
T2S R2E	4	D & L Subdivision	2007-56	Badger	
T2S R2E	4	Dewitt	85-6	Richardson	
T2S R2E	4	Hobed Industrial Park	2008-13	Badger	
T2S R2E	4	Hobed Industrial Park	85-141	Badger	Superceded by Badger ROW
T2S R2E	4	Hobed Industrial Park	93-121	Badger	
T2S R2E	4	Horseshoe Manor	78-148	Badger	
T2S R2E	4	Horseshoe Manor	92-61	Badger	North PUE vacated this plat
T2S R2E	4	Hwy Pk Substation	86-158	Finell	
T2S R2E	4	Jolley Ac	59-190.052	Badger	

Recorded Plat Review					
TWP	Sec	Name	Plat No.	Road	Note
T2S R2E	4	Jolley Ac	79-273	Badger	
T2S R2E	4	Jolley Ac	80-193	Badger	
T2S R2E	4	Jolley Ac	82-44	Badger	
T2S R2E	4	Jolley Ac	85-218	Badger	
T2S R2E	4	Quinnell Subd 1st Add	2002-100	Peridot	dedication E of Sec line
T2S R2E	4	Samanthas	84-147	Badger	
T2S R2E	4	Samanthas	99-12	Badger	
T2S R2E	4	Wildflower	76-138	Peridot	66' SLE
T2S R2E	4	Woodland	60.4152	Badger	
T2S R2E	4	Woodland	60-60.4152	Badger	
T2S R2E	4	Woodland	86-95		
T2S R2E	4	Zimmerman	98-32	Hurst	
T2S R2E	4	Zimmerman Subdivision	2006-179	Hurst	
T2S R2E	4	Zimmerman Subdivision	2009-126	Hurst	
T2S R2E	5	Beverly Acres	55-155.944	Old Rich	PLO 601 ROW 300'
T2S R2E	5	Chaparral	81-4	Peridot	
T2S R2E	5	Glacier State	84-52		SLE N. of Sec Line
T2S R2E	5	King Property Waiver	75-18W		Subd Waiver Not a dedication
T2S R2E	5	Loomis Homestead	53-143.121	Richardson	
T2S R2E	5	Loomis Homestead	54-149.477	Richardson	
T2S R2E	5	Loomis Homestead	57-172.041	Richardson	
T2S R2E	5	Quinnell	93-178W		
T2S R2E	5	Quinnell Subd 2nd Add	2006-167	Peridot	SLE West of Sec. Line
T2S R2E	5	RM Troxler Property	55-155.944	Old Rich	
T2S R2E	5	Sec 5 T2S R2E	73-69		TL-1; TL-2; TL-3 King Property
T2S R2E	5	Sec 5 T2S R2E	78-9	Old Rich	50' Dedication - SLE vacation plat
T2S R2E	5	Wildflower	76-138	Peridot	66' SLE
T2S R2E	5	Wilson 1	53-143.121	Richardson	
T2S R2E	5	Wilson 1	54-149.477	Richardson	
T2S R2E	5	Wilson 1 & 2	57-172.041	Richardson	
T2S R2E	5	Wilson Replat L11-13 B5	78-75	Richardson	
T2S R2E	5	Wilson Replat Tr D	78-238	Richardson	
T2S R2E	6	11 Mile Richardson Bus Pk	2008-2	Richardson	
T2S R2E	6	Eklund 1st	2003-98	Keeney	
T2S R2E	6	Eklund Subdivision	79-20	Keeney	
T2S R2E	6	Flood Channel C	2009-53		
T2S R2E	6	Flood Channel C	2009-75	Richardson	
T2S R2E	6	Flood Channel C Tanana	2011-61	Richardson	
T2S R2E	6	Keeney Rd	79-19	Keeney	Dedication N. Ptn 30' - S Ptn. 40'
T2S R2E	6	Sanford Estates	2006-184	Keeney	
T2S R2E	0	Old Richardson Hwy ROS	2007-55	Old Rich	SLE shown on plat W & E of Sec. Line

Recorded Plat Review					
TWP	Sec	Name	Plat No.	Road	Note
T2S R2E	8	Bradley	57-175.996	Richardson	
T2S R2E	8	Bradley	74-33		
T2S R2E	8	Bradley 1	74-39W		
T2S R2E	8	Bradley Sky Ranch	79-280	Old Rich	SLE shown on plat W of Sec. Line
T2S R2E	8	Bradley Sky Ranch Airport	2005-23	Old Rich	
T2S R2E	8	Bradley Sky Ranch Airport	2007-116		
T2S R2E	8	Flightline Industrial	93-182		
T2S R2E	8	Kimberly Lake Subd	2007-120	Homestead	
T2S R2E	8	Sec 8 T2S R2E	76-76W		
T2S R2E	8	Sec 8 T2S R2E	78-45W		
T2S R2E	8	Sec 8 T2S R2E	78-9	Old Rich	
T2S R2E	8	Skyranch	79-134		SLE S of Sec. Line
T2S R2E	8	Skyranch 1st	85-161		SLE S of Sec. Line
T2S R2E	9	Ford 2nd	2006-200	Homestead	
T2S R2E	9	Highway North Ph 3	2006-53	Richardson	
T2S R2E	9	Highway North Ph II	87-68	Finell	
T2S R2E	9	Highway Park	130.792	Richardson	
T2S R2E	9	Highway Park	132.8	Richardson	
T2S R2E	9	Highway Park No. 3	148.693	Richardson	
T2S R2E	9	Highway Pk Replat	2006-205	Old Rich	
T2S R2E	9	Highway PK Tr C	2004-128	Finell	
T2S R2E	9	HighwayPk Replat Lot 5	2003-24	Old Rich	
T2S R2E	9	Replat Highway Park	85-154	Homestead	