

# Application for Conditional Use

Municipality of Anchorage  
 Planning Department  
 PO Box 196650  
 Anchorage, AK 99519-6650



PETITIONER*		PETITIONER REPRESENTATIVE (if any)	
Name (last name first) Municipality of Anchorage		Name (last name first) Hickok, Tanya - The Boutet Company	
Mailing Address P.O. Box 196550		Mailing Address 601 E 57th Place, Suite 102	
Anchorage, AK 99519		Anchorage, AK 99518	
Contact Phone – Day 907-343-7536	Evening	Contact Phone – Day 907-270-6766	Evening
Fax		Fax 907-522-6779	
E-mail robin.ward@anchorageak.gov		E-mail thickok@tbcak.com	

\*Report additional petitioners or disclose other co-owners on supplemental form. Failure to divulge other beneficial interest owners may delay processing of this application.

PROPERTY INFORMATION		
Property Tax # (000-000-00-000): 008-121-08-000		
Site Street Address: N/A		
Current legal description: (use additional sheet if necessary) Tudor Municipal Campus Tract 6		
Zoning: PL1	Acreage: 19.82	Grid #: SW1836

CONDITIONAL USE APPROVAL REQUESTED	
Use: General outdoor recreation, commercial - dog mushing tracks (21.05.050.D.4)	
<input checked="" type="checkbox"/> New conditional use	<input type="checkbox"/> Amendment to approved conditional use      Original Case #:

I hereby certify that (I am)/(I have been authorized to act for) owner of the property described above and that I petition for a conditional use permit in conformance with Title 21 of the Anchorage Municipal Code of Ordinances. I understand that payment of the application fee is nonrefundable and is to cover the costs associated with processing this application, and that it does not assure approval of the conditional use. I also understand that assigned hearing dates are tentative and may have to be postponed by Planning Department staff or the Planning and Zoning Commission for administrative reasons.

Signature _____ <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Representative (Representatives must provide written proof of authorization)		04 / 05 / 2021 Date
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**Tanya Hickok, P.E. - The Boutet Company**

Print Name	Accepted by:	Poster & Affidavit:	Fee:	Case Number:	Requested Meeting Date:
				2021-0062	06/14/2021



### GENERAL CONDITIONAL USE STANDARDS (AMC 21.03.080D.)

The Planning and Zoning Commission may only approve the conditional use if the Commission finds that **all** of the approval criteria are satisfied. Each standard must have a response in as much detail as it takes to explain how your project satisfies the standard. The burden of proof rests with you.

1. The proposed use is consistent with the comprehensive plan and all applicable provisions of this title and applicable state and federal regulations;
2. The proposed use is consistent with the purpose and intent of the zoning district in which it is located, including any district-specific standards set forth in chapter 21.04;
3. The proposed use is consistent with any applicable use-specific standards set forth in chapter 21.05;
4. The site size, dimensions, shape, location, and topography are adequate for the needs of the proposed use and any mitigation needed to address potential impacts;
5. The proposed use will not alter the character of the surrounding area in a manner which substantially limits, impairs, or prevents the use of surrounding properties for the permitted uses listed in the underlying zoning district;
6. The proposed use is compatible with uses allowed on adjacent properties, in terms of its scale, site design, operating characteristics (hours of operation, traffic generation, lighting, noise, odor, dust, and other external impacts);
7. Any significant adverse impacts anticipated to result from the use will be mitigated or offset to the maximum extent feasible;
8. The proposed use is appropriately located with respect to the transportation system, including but not limited to existing and/or planned street designations and improvements, street capacity, access to collectors or arterials, connectivity, off-site parking impacts, transit availability, impacts on pedestrian, bicycle, and transit circulation, and safety for all modes; and
9. The proposed use is appropriately located with respect to existing and/or planned water supply, fire and police protection, wastewater disposal, storm water disposal, and similar facilities and services.

### SPECIFIC CONDITIONAL USE STANDARDS (AMC 21.05)

Certain conditional uses have detailed standards that relate only to that type of conditional use. When there are detailed standards, the Planning and Zoning Commission may only approve the conditional use if the Commission finds that **all** general standards listed in the previous section and detailed standards listed for that conditional use in AMC 21.05 are satisfied. Each detailed standard must have a response in as much detail as it takes to explain how your project satisfies the standard. The burden of proof rests with you.



# Municipality of Anchorage

Austin Quinn-Davidson, Acting Mayor

- Real Estate Department -

February 2, 2021

Community Development Department  
Planning Division  
4700 Elmore Road  
PO Box 196650  
Anchorage, Alaska 99519-6650

Re:

Application for Conditional Use Permit

Tract 6, Tudor Municipal Campus (Parcel No. 008-121-

08-000)

I hereby authorize The Boutet Company, Inc. (TBC) to act as Owner's Representative in the application for the Conditional Use Permit required for the above-described property.

Sincerely,

Robin E. Ward, Director  
Real Estate Department  
Municipality of Anchorage

WMS WATERCOURSE MAPPING SUMMARY

Per the requirements for watercourse verification outlined in Project Management and Engineering Operating Policy and Procedure #8 and Planning Department Operating Policy and Procedure #1 (effective June 18, 2007), MOA Watershed Management Services has inspected the following location for the presence or absence of stream channels or other watercourses, as defined in Anchorage Municipal Code (21.35).

- Project Case Number or Subdivision Name: ASDRA Tozier Tack
- Project Location, Tax ID, or Legal Description: 008-121-08-000, Tudor Municipal Campus  
Tract 6
- Project Area (if different from the entire parcel or subdivision): \_\_\_\_\_

In accordance with the requirements and methods identified, WMS verifies that this parcel, project area, or application:

X *KBC* DOES NOT contain stream channels and/or drainageways, as identified in WMS field or archival mapping information.\*

\_\_\_\_\_ DOES contain stream channels and/or drainageways AND these are located and identified on submittal documents in general congruence with WMS field and archival mapping information.  
*New or additional mapping IS NOT REQUIRED.\**

\_\_\_\_\_ Contains stream channels and/or drainageways BUT one or more streams or other watercourses:  

- are NOT shown on submittal documents, or
- are NOT depicted adequately on submittal documents for verification, or
- are NOT located or identified on submittal documents in general congruence with WMS field and archival mapping information.

*New or additional mapping IS REQUIRED and must be re-submitted for further review and verification.\**

\_\_\_\_\_ Presence of stream channels and/or drainageways is unknown AND field verification is not possible at this time. WMS will verify as soon as conditions and prioritized resources allow.

\* Streams omitted in error by WMS or others remain subject to MOA Code and must be shown in new mapping upon identification of the error.

**ADDITIONAL INFORMATION:**

- Y N WMS written drainage recommendations are available. Preliminary Final
- Y N WMS written field inspection report or map is available. Preliminary Final
- Y N Field flagging and/or map-grade GPS data is available.

Inspection Certified By:

Date:

*Kyle [Signature]*

2/9/21

**TOZIER PARK DOG SLED RACING VENUE  
TUDOR MUNICIPAL CAMPUS TRACT 6 NARRATIVE**

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**PROJECT LOCATION**

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The subject property is located south of Doctor Martin Luther King Junior (MLK) Avenue at Tudor Center Drive. The legal description of the property is Tudor Municipal Campus Tract 6, Grid SW 1836. The lot encompasses approximately 19.82 acres. The petitioner, The Municipality of Anchorage (MOA) Heritage Land Bank (HLB), is seeking to obtain a Conditional Use Permit to allow for "general outdoor recreation, commercial – dog mushing tracks" use as defined in AMC 21.05.050D.4. The immediately adjacent parcels on all sides are zoned Public Lands and Institutions (PLI). The parcels on the north side of MLK Avenue, house facilities for the Anchorage Police Department and the Alaska State Crime Lab, immediately to the west are the Chuck Albrecht ball fields, the parcel to the south is Far North Bicentennial Park and to the east is vacant land owned by the Heritage Land Bank. (Exhibit A).

**PROJECT DESCRIPTION & OBJECTIVES**

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This application requests to permit the conditional use of "general outdoor recreation, commercial – dog mushing track" as defined in AMC 21.05.050.D.4. This site is currently under negotiations for an Exchange and Sale Agreement between the Municipality of Anchorage and the Alaskan Sled Dog Racing Association (ASDRA). The execution of this agreement is contingent upon the approval of this conditional use permit.

The site is currently vacant and vegetated, and the proposed project is to develop the site as dog mushing track and clubhouse that will be owned and operated by ASDRA. The proposed development includes an approximate 4,700 square feet (sq.ft). structure that will be used as a clubhouse and for vehicle maintenance and storage. Additionally, the plan includes an approximate 196 sq.ft elevated timing tower. The paved parking lot includes 30 standard parking spaces, including 2 ADA accessible spaces as required by AMC 21.07.090.E. The remainder of the site will be developed for the outdoor use as a dog mushing track and training facility. Improvements will include a gravel staging area and trails that traverse the site and connect directly to the existing off-site ASDRA trail system. (Exhibit B)

**FACILITY OPERATIONS**

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The facility will ultimately be owned and operated by ASDRA. ASDRA is a non-profit club with the goal to promote and preserve the Alaskan tradition of dog mushing by providing education, training, and events. ASDRA is solely responsible for the maintenance and operation of the limited-use dog mushing trail system located in Far North Bicentennial Park. (Exhibit B). The development of this site will enable ASDRA to more effectively and efficiently serve its users, maintain its facilities, and fulfill its overall mission.

**APPLICABLE REQUIREMENTS**

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**TOZIER PARK DOG SLED RACING VENUE  
TUDOR MUNICIPAL CAMPUS TRACT 6 NARRATIVE**

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The following documents and sections of the Anchorage Municipal Code (AMC) apply to this project. Each is discussed in the narrative that follows:

- AMC 21.01.080: Comprehensive Plan
- AMC 21.03.080: Conditional Uses
- AMC 21.04.060.E: PLI: Public Lands and Institutions District
- AMC 21.05.050.D.4: General Outdoor Recreation, Commercial – dog mushing track
- AMC 21.06: Dimensional Standards and Measurements
- AMC 21.07: Development and Design Standards

**CONDITIONAL USE STANDARDS (AMC 21.03.080D)**

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1. **The proposed use is consistent with the comprehensive plan and all applicable provisions of this title and applicable state and federal regulations.**

**The Facility is consistent with the following Anchorage 2020 Comprehensive Plan policies:**

- **Policy 7 – Avoid incompatible used adjoining one another.**

The parcels directly adjacent to this project are currently also used for outdoor recreation. The existing ASDRA trail system directly connects to this parcel. The proposed use is compatible with the adjacent parcels.

- **Policy 45 – Connect local activity centers, such as neighborhood schools and community center with parks, sports fields, greenbelts, and trails, where feasible.**

The proposed project will relocate the ASDRA facilities to an area that directly connects to the dog mushing trail system. The organization will be able to efficiently operate and maintain its trails and better serve the community with a new clubhouse and training facility.

- **Policy 50 – Healthy, mature trees and forested areas shall be retained as much as possible.**

The proposed project is located in a wooded area. The structures and trails will be designed and constructed to be compatible with this setting and have minimal impact to the surrounding forest.

**The facility is consistent with the following Anchorage 2040 Land Use Plan goals:**

- **Goal 7 – Compatible Land Use: Infill development is compatible with the valued characteristics of surround properties and neighborhoods.**

This project is a recreation facility and is therefore compatible with adjacent land uses.

**TOZIER PARK DOG SLED RACING VENUE  
TUDOR MUNICIPAL CAMPUS TRACT 6 NARRATIVE**

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- **Goal 8 – Open Space and Greenways: Anchorage maintains, improves, and strategically expands parks, greenbelts, riparian corridors, and trail corridors to enhance land values, public access, neighborhoods, and mixed-use centers.**

This project will be designed and constructed to be integrated into the forested setting and will preserve the natural characteristics of the area. It provides improved connectivity and maintenance to the existing ASDRA trail system in Far North Bicentennial Park.

**The facility is consistent with the 3500 Tudor Road Master Plan:**

- **This area is designated for Recreation and Recreation-Related Public Purposes: This area has uplands that are appropriate for more active recreational or recreation-related uses than the surrounding wetlands; however, its location requires that use of this area be recreation-related to assure compatibility with the adjacent park lands to the south.**

The proposed dog mushing track is a recreation facility that directly connects to the ASDRA trail system in Far North Bicentennial Park. The proposed project is consistent with the plan and is a compatible use.

- 2. The proposed use is consistent with the purpose and intent of the zoning district in which it is located, including any district-specific standards set forth in chapter 21.04.**

The current zoning of this parcel is PLI: Public Lands and Institutions. Per AMC 21.04.060 the PLI district is intended to include major public and quasi-public civic, administrative, and institutional uses and activities. The proposed conditional use is for general outdoor recreation, commercial – dog mushing tracks as defined in AMC 21.05.050D.4. The proposed facility will be used as quasi-public recreational activities and is therefore consistent with the purpose and intent of the PLI zoning district.

- 3. The proposed use is consistent with any applicable use-specific standards set forth in chapter 21.05.**

Per AMC 21.05.050D.4 the “use-specific” standard requires L2 buffer landscaping wherever this use is adjacent to a residential district. There are no adjacent residential districts, so this standard is not applicable.

- 4. The site size, dimensions, shape, location, and topography are adequate for the needs of the proposed use and any mitigation needed to address potential impacts.**

The site size, dimensions, shape, and location are adequate to meet the needs of the proposed facility. The structures and trails will be designed and constructed to conform to the natural topography of the site. Natural drainage patterns will not be significantly altered. The site contains no designated wetlands. Impacts to the natural environment will be minimal and adequately mitigated.

**TOZIER PARK DOG SLED RACING VENUE  
TUDOR MUNICIPAL CAMPUS TRACT 6 NARRATIVE**

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- 5. The proposed use will not alter the character of the surrounding area in a manner which substantially limits, impairs, or prevents the use of surrounding properties for the permitted uses listed in the underlying zoning district.**

The proposed project is located in a wooded area. The structures and trails will be designed and constructed to be compatible with this setting and have minimal impact to the forest. The new trail connections will greatly enhance and improve the use of the surrounding properties.

The Tour of Anchorage Trail, a.k.a the "Old Rondy Trail", passes through this parcel on the west edge and will be preserved and/or relocated in a dedicated easement.

- 6. The proposed use is compatible with uses allowed on adjacent properties, in terms of its scale, site design, operating characteristics (hours of operation, traffic generation, lighting, noise, odor, dust, and other external impacts).**

The adjacent property to the west is the Chuck Albrecht ballfield complex. In terms of scale, the ballfield complex has a larger overall footprint with more parking capacity. The site design characteristics are similar in that both provide user parking, common gathering areas, large outdoor areas for event staging and training, and direct connections to public trails and greenbelts.

The dog mushing track will primarily be used during the winter months, whereas the ballfield complex is primarily used during the summer/autumn months. This seasonal difference will serve to minimize user conflicts and traffic congestion in the area. Lighting will be adequate for operating the building and parking lot, but will not have negative impacts on the adjacent properties. Dog mushing is a non-motorized activity and generates no exhaust or dust and minimal noise. The snowmachines used for trail maintenance and grooming are sources of noise; however, since these activities are currently ongoing, this project will not increase noise impacts. In all likelihood, noise generation will decrease since this site is directly connected to the ASDRA trail system, decreasing the overall distance between ASDRA's staging area and the trails and the time required for trail maintenance and grooming.

- 7. Any significant adverse impacts anticipated to result from the use will be mitigated or offset to the maximum extent feasible.**

There are no significant adverse impacts anticipated from the proposed project. The structures and trails will be designed and constructed to conform to the topography and natural characteristics of the site. Natural drainage patterns will not be significantly altered. The site contains no designated wetlands. Impacts to the natural environment will be minimal and adequately mitigated.

- 8. The proposed use is appropriately located with respect to the transportation system, including but not limited to existing and/or planned street designations and improvements, street capacity, access to collectors or arterials, connectivity, off-site parking impacts, transit availability, impacts on pedestrian, bicycle, and transit circulation, and safety for all modes.**

The dog mushing track is not anticipated to generate a significant amount of traffic. The project is located along MLK Avenue, which is designated as a minor arterial and is adequate for handling the anticipated traffic volumes. The site plan includes an off-street paved parking lot with 30 spaces, including 2 ADA accessible spaces as required by AMC 21.07.090.E. Additional overflow parking will be provided in the gravel staging area west of the clubhouse. This site directly connects to the ASDRA trail system and pedestrian/bicycle trails and greenbelts. Site access is located and designed to conform with applicable design and safety standards.

- 9. The proposed use is appropriately located with respect to existing and/or planned water supply, fire and police protection, wastewater disposal, storm water disposal, and similar facilities and services.**

The proposed development will construct an on-site well to provide potable water to the facility and a septic system to receive the wastewater. Storm water will be managed on-site and will not require connections to the Municipal system. There are existing streetlights on both the north and south sides of MLK Avenue. Lighting will be provided on site in accordance with Municipal Code and will be adequate for safe operations. Exhibit C depicts the existing utilities in the area of the proposed project. The site is located within Municipal fire and police protection areas with adequate access to the property by emergency service vehicles. The nearest fire station is located at 4501 Campbell Airstrip Road, approximately 2 miles away.

## **CONFORMANCE WITH DEVELOPMENT AND DESIGN STANDARDS**

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The following requirements are based on AMC 21.04 *Zoning Districts*, 21.05 *Use Regulations*, 21.06 *Dimensional Standards and Measurements*, and 21.07 *Development and Design Standards*.

- 1. Lot Requirements: The minimum lot requirements in a PLI district are a width of 50 feet and an area of 6,000 square feet (Table 21.06-3)**

The site meets the minimum lot requirements. The width is approximately 970 feet and an area of 863,481 square feet (19.82 acres).

- 2. Maximum Lot Coverage: The maximum lot coverage allowed in a PLI district is 45% (Table 21.06-3)**

The proposed building footprint is approximately 2,400 square feet, which covers 0.28% of the lot. The maximum lot coverage requirement is met.

**TOZIER PARK DOG SLED RACING VENUE  
TUDOR MUNICIPAL CAMPUS TRACT 6 NARRATIVE**

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- 3. Yard Setbacks: In a PLI district Table 21.06-3 call for a 25-foot front, side and rear setbacks when the abutting district is PLI.**

The front, side, and rear yard setbacks are met for the proposed development.

- 4. Development Setbacks: According to AMC 21.06.030.C.7, no new structural or land development activity requiring a building or land use permit shall be permitted within the maximum setback from the existing or projected centerline of a street designated on the Official Streets and Highways Plan (OSHP).**

MLK Avenue is designated as a Minor Arterial II per the OSHP. Per the OSHP, the setback from the centerline of the road is 30 feet. The proposed development plan is in compliance with this requirement.

- 5. Landscaping: L1 Visual Enhancement landscaping is required along Dr. Martin Luther King Junior Avenue per Table 21.07-2.**

The proposed development aims to preserve as much native vegetation as possible, maintaining a minimum of 10' of landscaping on all sides of the property. This is in compliance with landscaping requirements.

- 6. Parking: Adequate off-street parking shall be provided as outlined in AMC 21.07.090.E.3 and Table 21.07-4 "Community Center".**

The stated requirement is 1 parking space per 5 persons in the principal assembly area plus 4 parking spaces for one service bay on the lower level. The occupant load of the event building is 95 occupants with tables and chairs. Therefore, the parking requirement is 19 plus 4, for a total of 23 parking spaces. The paved parking lot provides 30 spaces, 2 of which are designated ADA accessible. Additional overflow parking is provided at the gravel staging area west of the clubhouse.

- 7. Snow Storage: For non-residential uses, an area equal to at least five percent of the surface area on the site to be plowed for motorized vehicle parking and access shall be designated for snow storage.**

The paved parking lot has an approximate area of 14,000 square feet. Two snow storage areas of approximately 500 and 300 square feet each is designated at the north and south east corners of the lot, which is in compliance with this requirement.

- 8. Stormwater Management:** MOA guidelines require that the first 0.52 inches of any rain event be treated by the use of green infrastructure. Beyond that, the 10-year, 24-hour storm event must be safely conveyed.

The proposed development aims to maintain much of the natural vegetation and topography as possible. The natural drainage patterns will not be significantly altered. The drainage facilities will continue to be developed as part of the design process. It will comply with the MOA Stormwater Management and Design Criteria. A detailed report will be prepared along with the plans for review and approval as part of the building design and permitting process, as required

### **CONSTRUCTION AND OPERATION SCHEDULE**

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Upon approval of this application the "Exchange and Sale Agreement" will be fully executed the property will be in the ownership of ASDRA. At that time final design and permitting will commence, with the goal of construction in the summer of 2022.

### **FINAL OWNERSHIP**

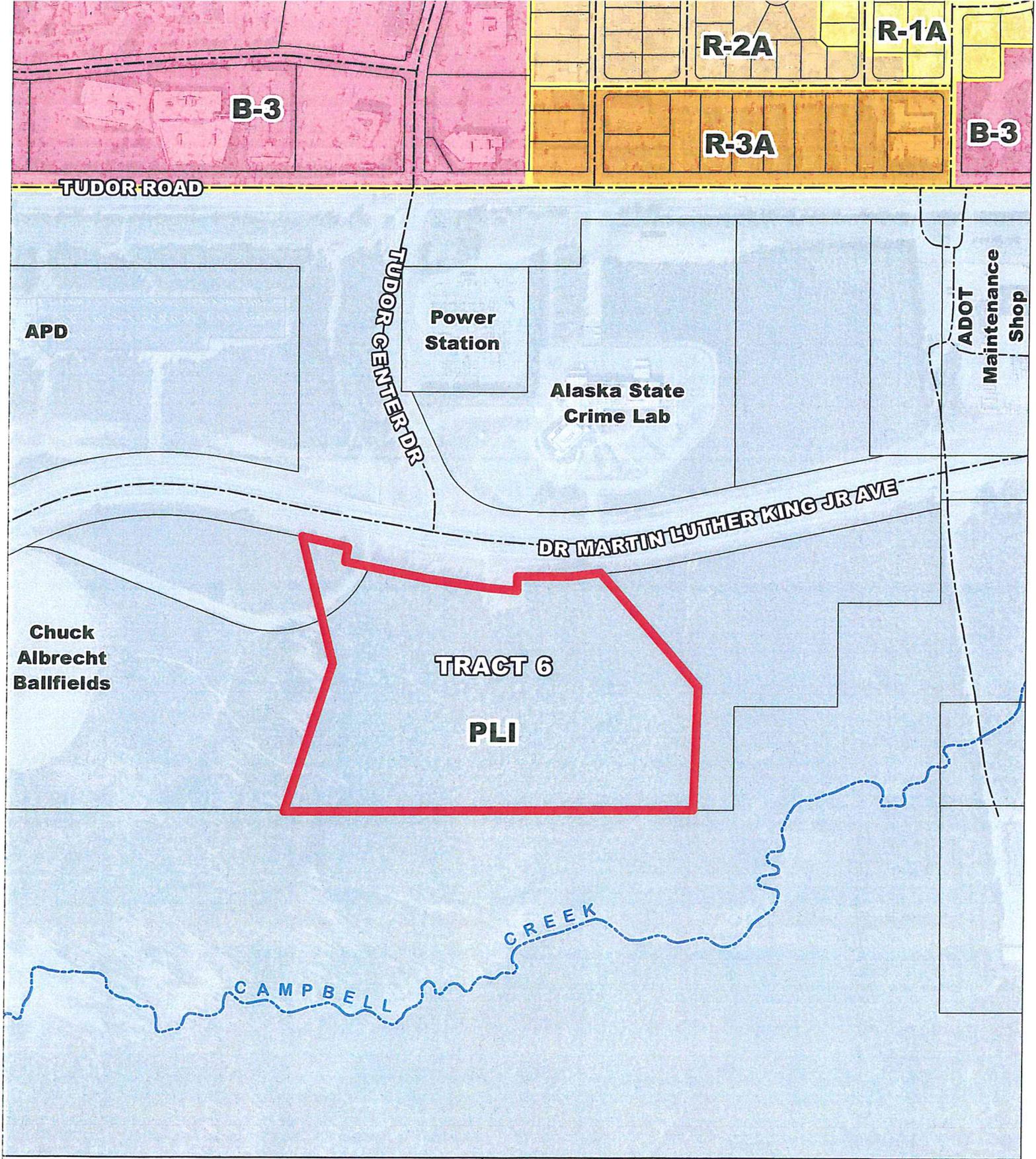
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Upon approval of this application the "Exchange and Sale Agreement" between the Municipality of Anchorage and the Alaskan Sled Dog Racing Association (ASDRA) will be fully executed the property will be in the ownership of ASDRA.

### **SUMMARY OF COMMUNITY MEETINGS**

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The project was presented on 18 March 2021 to the Campbell Park Community Council. This meeting summary is included as Appendix A.



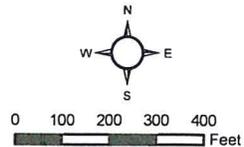
**Generalized Zoning Districts**

- Commercial
- Single Family Residential
- Two Family Residential
- Multiple Family Residential
- Public Lands and Institutions

Zoning Boundaries



PID: 008-121-08-000  
Tract 6



**EXHIBIT A**

Existing Zoning Designation  
04/05/2021

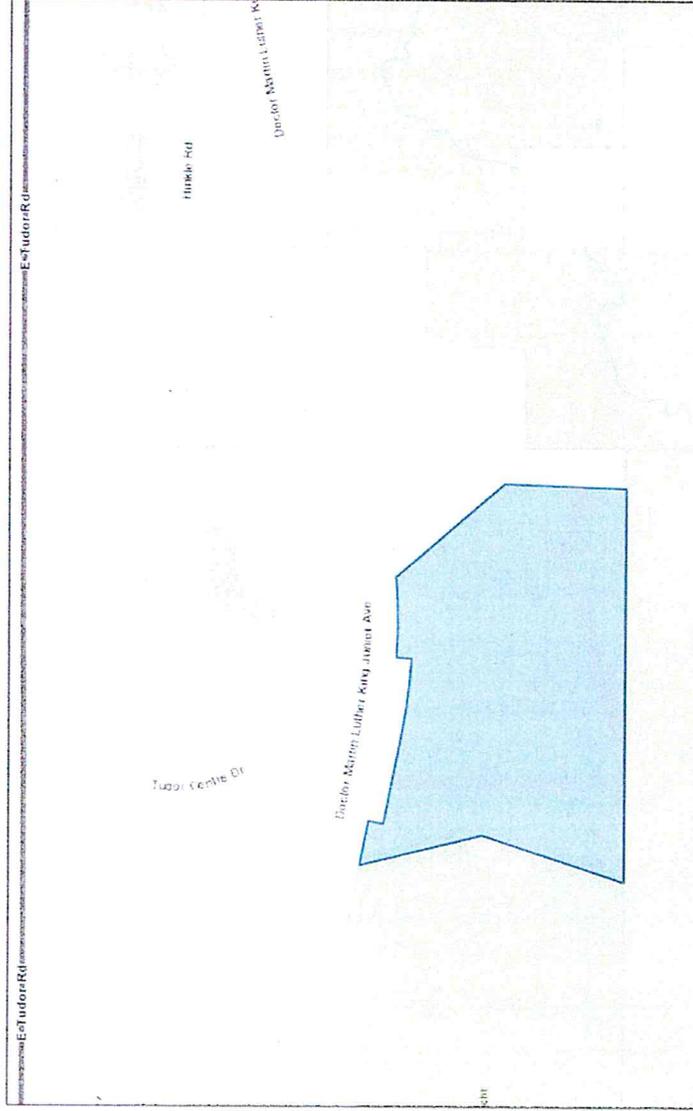


# Property Summary Report - Municipality of Anchorage

## Area of Interest (AOI) Information

Area : 863,846.61 ft<sup>2</sup>

Jan 21 2021 13:11:20 Alaska Standard Time



Property Information

Source: City of Anchorage, Municipality of Anchorage, GIS, Esri, HERE

Tudor Municipal Campus - Tract 6

Summary

Name	Count	Area(ft <sup>2</sup> )	Length(ft)
Property Information	1	863,846.61	Not Applicable
Assembly District	1	863,846.70	Not Applicable
Community Council	1	863,846.70	Not Applicable
Zoning	1	863,846.70	Not Applicable
Tax Districts and Service Areas	1	863,846.70	Not Applicable
Comprehensive Plan Information	2	863,846.61	Not Applicable
Land Use Plans	4	3,440,439.17	Not Applicable
Wetland Classification	3	7,434.41	Not Applicable
FEMA Flood Zones	1	863,846.70	Not Applicable
Avalanche Zone	0	0	Not Applicable
Seismically Induced Ground-Failure Susceptibility	1	863,846.70	Not Applicable
Wind Zone for Building Design	1	863,846.70	Not Applicable
Building Safety Service Area	1	863,846.70	Not Applicable

Property Information

#	Property Tax #	Site Street Address	Current Legal Description	Grid #	Underlying Plat #	Lot Size (Sq Ft)	Area(ft <sup>2</sup> )
1	008-121-08-000	No Data	TUDOR MUNICIPAL CAMPUS TR 6	SW1836	9-0016	863,481	863,846.61

### Assembly District

#	Assembly Section	Area(ft²)
1	4	863,846.70

### Community Council

#	Community Council	Area(ft²)
1	Campbell Park	863,846.70

### Zoning

#	Zoning	Area(ft²)
1	PLI	863,846.70

### Tax Districts and Service Areas

#	Tax District #	District Name	Police Service Area	Fire Service Area	Parks Service Area	Road Service Area	Street Light Service Area	Building Safety Service Area	Area(ft²)
1	3	Spenard	Anchorage Metropolitan Police SA	Anchorage Fire Service Area	Anchorage Parks & Recreation SA	Anchorage Roads and Drainage SA	Anchorage Roads and Drainage SA	Anchorage Building Safety Service Area (ABSSA)	863,846.70

### Comprehensive Plan Information

#	Land Use Designation	Area(ft²)
1	Park_or_Natural_Area	863,743.52
2	Other_Open_Space	103.10

**Land Use Plans**

#	Plan Name	Plan Type	Plan URL	Area(ft <sup>2</sup> )
1	Far North / Bicentennial Park Master Plan	Other Area	<a href="http://www.muni.org/Departments/OCPD/Planning/Publications/Documents/Updated%20Far%20North%20Bicentennial%20Plan-1985.pdf">http://www.muni.org/Departments/OCPD/Planning/Publications/Documents/Updated%20Far%20North%20Bicentennial%20Plan-1985.pdf</a>	863,846.70
2	3500 Tudor Road Master Plan	Other Area	<a href="http://www.muni.org/Departments/OCPD/Planning/Publications/Pages/Tudor_Road_Plan.aspx">http://www.muni.org/Departments/OCPD/Planning/Publications/Pages/Tudor_Road_Plan.aspx</a>	863,846.70
3	Anchorage 2040 Land Use Plan	Comprehensive Plan	<a href="http://www.muni.org/Departments/OCPD/Planning/Publications/Pages/Anchorage2040LandUsePlan.aspx">http://www.muni.org/Departments/OCPD/Planning/Publications/Pages/Anchorage2040LandUsePlan.aspx</a>	863,846.70
4	Tudor Road Public Lands and Institutions Plan	Other Area	<a href="http://www.muni.org/Departments/OCPD/Planning">http://www.muni.org/Departments/OCPD/Planning</a>	848,899.07

**Wetland Classification**

#	Watershed	Wetland Type	Wetland Designation	Area(ft <sup>2</sup> )
1	CAMPBELL CREEK	freshwater	B - Moderate Valuation	7,302.81
2	CAMPBELL CREEK	freshwater	A - High Valuation	131.61

**FEMA Flood Zones**

#	Flood Zone	Area(ft <sup>2</sup> )
1	None	863,846.70

**Seismically Induced Ground-Failure Susceptibility**

#	Seismic Type	Seismic Zone	Area(ft <sup>2</sup> )
1	MODERATE-LOW	Zone 2 - Moderately-Low Ground Failure Susceptibility	863,846.70

### Wind Zone for Building Design

#	Wind Zone	IBC_Risk_Cat_I_vult	IBC_Risk_Cat_II_vult	IBC_Risk_Cat_III_vult	IBC_Risk_Cat_IV_vult	IRC_vall	Downloadable PDF	Area(ft²)
1	Zone III	145	155					863,846.70

### Building Safety Service Area

#	EDITOR	HANSEN	PUBDATE	Shape_Area	Shape_Length	Area(ft²)
1	APJPA	INSIDE	January 10, 2021	1525100568.296880	216783.552797	863,846.70

This information is meant purely as a resource and the Municipality does not guarantee the complete accuracy of this data. Always verify any information with the department that is responsible for the data.

Area (ft²) is an auto created field by the software and should not be used for any analysis or interpretation.



Departments > Finance > Property Appraisal > New Search > results

Back

Taxes

Find Parcel Number  - - - 000

Submit Search

## Public Inquiry Parcel Details

[Show Parcel on Map](#)

PARCEL: 008-121-08-000 01/01 Commercial Apartment Vac/Land 01/13/21

MOA	TUDOR MUNICIPAL CAMPUS
HERITAGE LAND BANK	TR 6
PO Box 196650	
Anchorage	AK 99519 6650 Site

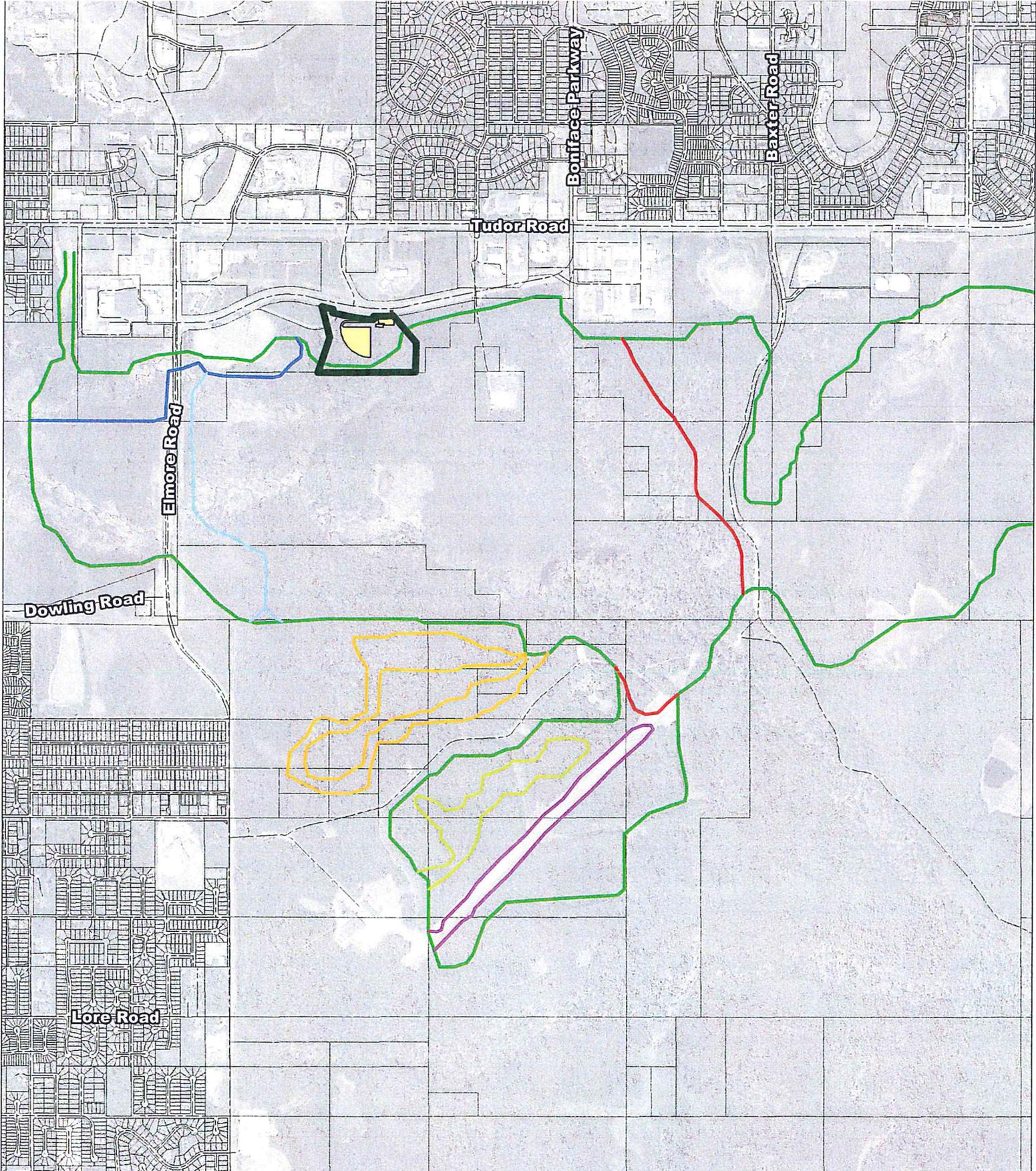
Lot Size: 863,481	---Date Changed---	----Deed Changed----	GRW: PIWt
Zone : PLI	Owner : 04/16/09	Stateid: 3049 0000856	
Tax Dist: 003	Address: 04/21/97	Date : 04/14/97	
Grid : SW1836	Hra # :	Plat : 090016	
GRW: PIWC		REF #: 04/16/09 008-091-14-000	

### ASSESSMENT HISTORY

	---Land--	--Building-	---Total---	
Appraised Val 2019:	2,063,900	0	2,063,900	
Appraised Val 2020:	2,063,900	0	2,063,900	--Exemption---
Appraised Val 2021:	0	0	0	-----Type-----
Exempt Value 2021:	0	0	0	Municipal
State Exempt 2021:			0	
Resid Exempt 2021:			0	
Taxable Value 2021:			0	

Liv Units: 000 Common Area: Leasehold: Insp Dt: 07/18 Land Only  
07/18 Quick Reinv  
/

Feedback E-mail: [wwfipa@muni.org](mailto:wwfipa@muni.org)

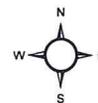


**ASDRA Trail System**

- Perimeter Trail
- 2 Mile Trail
- 4 Mile Loop
- 6 Mile Cutoff
- Airstrip Loop
- Inner Loop
- Woodway Loop
- Proposed Site Layout

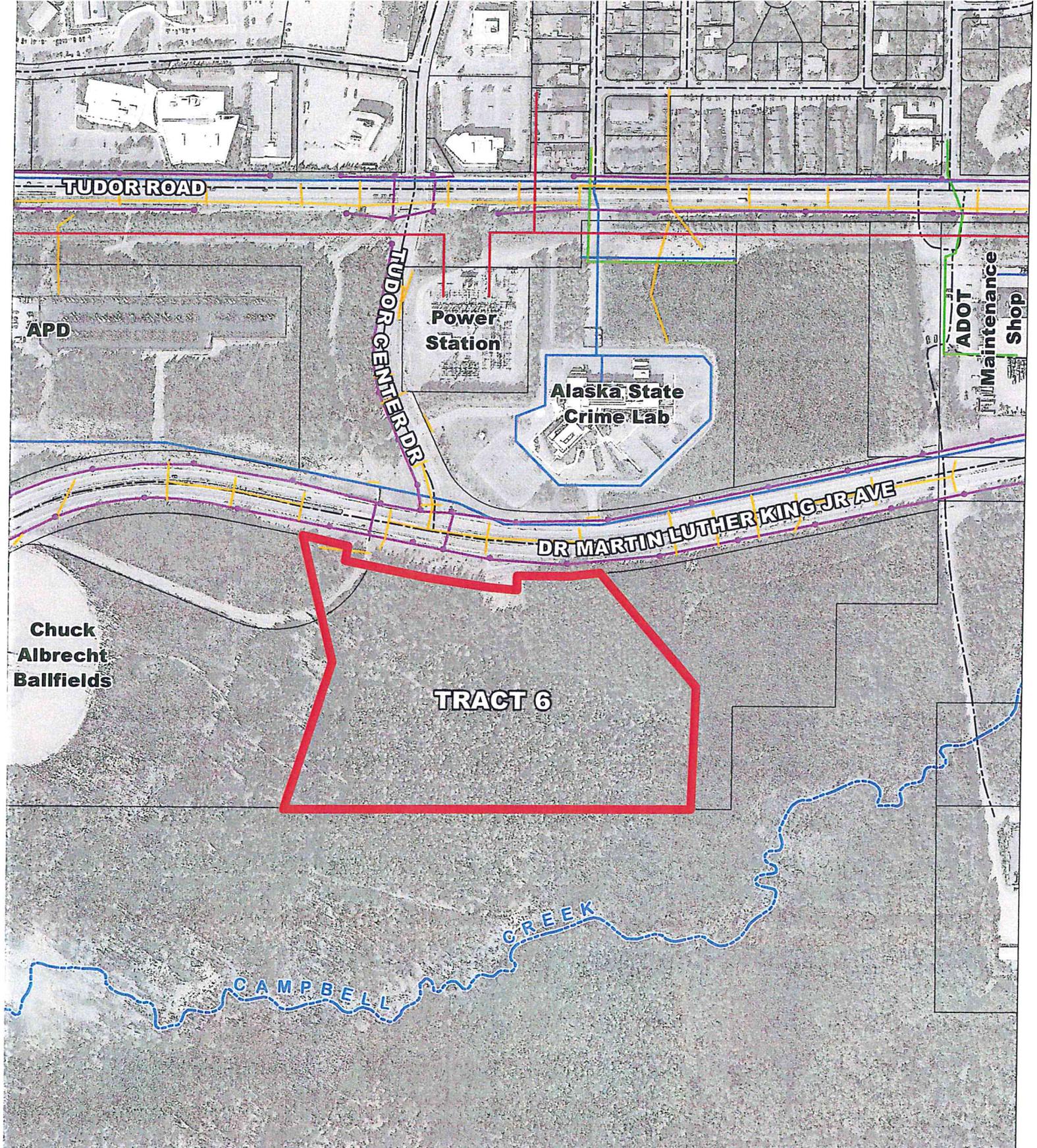


PID: 008-121-08-000  
Tract 6



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Feet

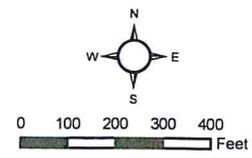
**EXHIBIT B**  
ASDRA Trail System  
&  
Proposed Site Plan  
1/27/2021



- Utilities
- Water
  - Sanitary Sewer
  - Storm Drain
  - Electric
  - Street Lights (UG)



PID: 008-121-08-000  
Tract 6



### EXHIBIT C

Existing  
Utilities  
04/05/2021

APPENDIX A

Campbell Park Community Council

Meeting Summary

18 March 2021



April 2, 2021

Ms. Michelle McNulty, AICP  
Municipality of Anchorage  
Planning Director  
PO Box 196650  
Anchorage, AK 99519

Subject: ASDRA Conditional Use Permit  
Community Meeting Minutes

Dear Ms. McNulty:

This letter will serve as the written summary of the of the Community Meeting, as required by Title 21, for the conditional use permit application required for the proposed use (General Outdoor Recreation – Commercial – Dog Mushing Tracks) on Tract 6, Tudor Municipal Campus Subdivision, located southeast of the intersection of Tudor Centre Drive with Doctor Martin Luther King Junior Avenue. The municipal parcel identification number for this tract is 008-121-08-000. The tract is within the Public Lands and Institutions (PLI) zoning district and is owned and managed by the Municipality of Anchorage (MOA) Heritage Land Bank (HLB). The proposed development will include an approximately 5000 square foot (SF) 2-story building (event space upstairs and shop downstairs) for the Alaska Sled Dog Racing Association (ASDRA), as well as associated viewing decks, Timing Tower, required parking, gravel pad for dog racing preparations and line-up, perimeter fencing, as well as several internal dog mushing trails connecting to Far North Bicentennial Park trails. MOA HLB and ASDRA are currently under a Land Exchange Agreement in which ASDRA would be the final property and development owner.

The petitioner for this conditional use permit planning action is The Municipality of Anchorage Heritage Land Bank as the land owner. The petitioner's representatives, Jacques Boutet and Tanya Hickok, made a brief presentation to the community members at the regularly scheduled March Campbell Park Community Council Meeting held via Zoom at 7pm on March 18, 2021.

Questions and concerns voiced by attendees included:

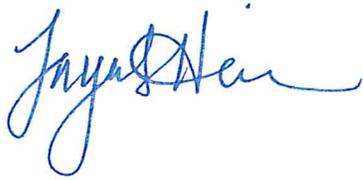
- Where is the Tour of Anchorage trail located?
  - Currently, we are depicting the existing location of the Tour of Anchorage trail which is inboard of the west property line boundary.
  - ASDRA's plan is to keep as much vegetation as possible between proposed dog mushing trails and the Tour of Anchorage trail.
- Is there a current easement for the Tour of Anchorage trail?
  - We will share available existing easement information with Dan Rosenberg (Nordic Ski Association). There is an existing 50-foot Intragovernmental Use Permit Trail Easement for a small northern portion of the trail, but not one for the majority of the north/south corridor within this Tract.

- Meetings are underway between Municipal Parks and Rec and other interested parties/agencies on the size and location of the Tour of Anchorage trail easement.
- What is the plan for redeveloping the existing Tozier Tract on Tudor?
  - There are currently no redevelopment plans for the Tozier Track and will be up to the Next Mayor's Administration to develop.
  - However, the Land Exchange Agreement between the existing Tozier Track and Tract 6 will move forward with the approval of this Conditional Use Permit.

In summary, the proposed Conditional Use Permit application is planned for an April submittal for a tentative June Planning and Zoning Commission (PZC) public hearing.

Thank you for allowing us the opportunity to present the project, and don't hesitate to contact either Aimee Posanka, P.E. or myself if you have any questions.

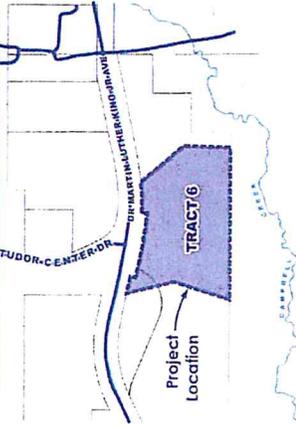
Sincerely,

A handwritten signature in blue ink, appearing to read "Tanya Hickok". The signature is fluid and cursive, with a large initial "T" and "H".

Tanya Hickok, P.E.  
The Boutet Company

# Public Meeting Announcement

You are invited to join the Campbell Park Community Council meeting to learn more about upcoming improvements at **Tudor Municipal Campus Tract 6**. The meeting will be held via Zoom. The Alaska Sled Dog Racing Association (ASDRA) in conjunction with the MOA Heritage Land Bank is proposing to develop this parcel as a general outdoor recreation facility. The purpose of the meeting is to provide an update to the community and to present the proposed development and site plan.



Tudor Municipal Campus Tract 6  
Tozier Track  
Parcel ID#008-121-08-000

If you have any questions,  
please contact:  
Tanya Hickok, P.E.  
(907) 522-6776

**Event:** Community Meeting  
**Date:** Thursday, March 18th, 2021  
**Time:** 7:00 P.M.

**To Join the Zoom Meeting:**  
[www.communitycouncils.org/servlet/content/8.html](http://www.communitycouncils.org/servlet/content/8.html)

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NAME	ADDRESS	CITY	STATE	ZIP
ALASKA NATIVE TRIBAL HEALTH CONSORTIUM	400 AMBASSADOR DR	ANCHORAGE	AK	99508
GREENBRIAR APARTMENTS LLC	9757 JUANITA DR NE #300	KIRKLAND	WA	98034-4291
MOA ADMIN DIVISION SUPPORT ANIMAL CARE & CONTROL	PO BOX 196650	ANCHORAGE	AK	99519-6650
MOA HERITAGE LAND BANK	PO BOX 196650	ANCHORAGE	AK	99519-6650
MOA REAL ESTATE SERVICES APD RESOURCE MANAGEMENT	PO BOX 196650	ANCHORAGE	AK	99519-6650
Resident	4954 E 43RD AVE APT A1	ANCHORAGE	AK	99508
Resident	4954 E 43RD AVE APT A2	ANCHORAGE	AK	99508
Resident	4954 E 43RD AVE APT A3	ANCHORAGE	AK	99508
Resident	4954 E 43RD AVE APT A4	ANCHORAGE	AK	99508
Resident	4954 E 43RD AVE APT A5	ANCHORAGE	AK	99508
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NAME	ADDRESS	CITY	STATE	ZIP
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Resident	5310 DOCTOR MARTIN LUTHER KING JUNIOR AVE	ANCHORAGE	AK	99507
Resident	5300 E TUDOR RD	ANCHORAGE	AK	99507
Resident	4805 DOCTOR MARTIN LUTHER KING JUNIOR AVE	ANCHORAGE	AK	99507
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STATE OF ALASKA % SANDRA SINGER	550 W 7TH AVE #1050A	ANCHORAGE	AK	99501-3579
STATE OF ALASKA %DOTPF CENTRAL REGIONAL ADMIN OFFICE	PO BOX 196900	ANCHORAGE	AK	99519-6900
STATE OF ALASKA DNR	550 W 7TH AVE #1050A	ANCHORAGE	AK	99501-3579
TUDOR CENTRE TRUST % JACK WHITE PROPERTY MGMT	3801 CENTERPOINT DR SUITE 400	ANCHORAGE	AK	99504

SUBMITTED TO:  
Municipality of Anchorage  
Department of Property and  
Facility Management  
Facility Maintenance Division  
3649 East Tudor Road,  
Warehouse No. 1  
Anchorage, Alaska 99507

BY:  
Shannon & Wilson, Inc.  
5430 Fairbanks Street, Suite 3  
Anchorage, Alaska 99518

(907) 561-2120  
[www.shannonwilson.com](http://www.shannonwilson.com)  
AECC 125

GEOTECHNICAL ENGINEERING REPORT  
Proposed New Tozier Track Facility  
ANCHORAGE, ALASKA

PAGE INTENTIONALLY LEFT BLANK FOR DOUBLE-SIDED PRINTING

Submitted To: Municipality of Anchorage  
Department of Property and Facility Management  
Facility Maintenance Division  
3649 East Tudor Road, Warehouse No. 1  
Anchorage, Alaska 99507  
Attn: Jon Clark

Subject: GEOTECHNICAL ENGINEERING REPORT, PROPOSED NEW TOZIER  
TRACK FACILITY, ANCHORAGE, ALASKA

Shannon & Wilson prepared this report and participated in this project as a subconsultant to the Municipality of Anchorage (MOA). Our scope of services was specified in Purchase Order Number 2019005012 with MOA dated October 23, 2019. This report presents the results of subsurface explorations, percolation testing, laboratory testing, and geotechnical engineering studies conducted by Shannon & Wilson, Inc. for the proposed relocation of Tozier Track in Anchorage, Alaska. This geotechnical engineering report was prepared by the undersigned.

We appreciate the opportunity to be of service to you on this project. If you have questions concerning this report, or we may be of further service, please contact us.

Sincerely,

SHANNON & WILSON, INC.



Stephanie Dow, EIT  
Geotechnical Engineering Staff



Kyle Brennan, PE  
Vice President

skd/KLB

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Appendices

Important Information

CONTENTS

## 1 INTRODUCTION

The purpose of this geotechnical study was to explore subsurface conditions, including the drainage characteristics of the site soils, and provide geotechnical engineering recommendations needed to design and construct the proposed facilities. To accomplish this, four soil borings and one percolation test hole were advanced near the proposed new building and parking areas. Soil samples recovered from the borings were tested in our geotechnical laboratory. Presented in this report are descriptions of the site and project, subsurface explorations and laboratory test procedures, an interpretation of subsurface conditions, and conclusions and recommendations from our engineering studies.

This report documents subsurface geotechnical conditions, provides analyses and interpretation of anticipated site conditions at the project, and presents the results of our engineering analyses. This report is intended for use by the project design engineering staff, the MOA, and their representatives.

## 2 SITE AND PROJECT DESCRIPTION

The proposed new Tozier Track facility is located near the intersection of Doctor MLK Jr Avenue and Tudor Center Drive in Anchorage, Alaska. According to the MOA the property legal description is Tudor Municipal Campus Tract 6. A vicinity map is included as Figure 1. Access to the site is gained from Doctor MLK Jr Avenue.

At the time of our explorations, the lot was generally undeveloped and wooded, with several mushing trails crossing the central and southern portions of the lot. On average, the lot slopes downward to the west and the portion of the lot to be developed is a gently rolling topographic high. The ground surface in the area of the proposed building and parking area is generally mossy with numerous live and downed trees. The proposed septic system drain field is planned to be located to the west of the proposed building.

We understand that the new building will consist of an approximately 60-foot by 40-foot, relatively lightly loaded, steel or wood-framed structure that is one or two stories tall. We also understand that the new building will be supported on conventional shallow foundations and that the building may be tied into existing underground utilities. A septic system and well will also be constructed to service the new building. We assume that the new building will be heated continuously throughout the year.

### 3 SUBSURFACE EXPLORATIONS

Subsurface explorations consisted of advancing and sampling four borings, designated Borings B-1 and B-4, to depths ranging from 15.2 to 31.5 feet below the ground surface (bgs) to evaluate the subsurface conditions within the areas planned to be developed.

Additionally, Boring Perc-1 was drilled to a depth of approximately 7 feet bgs to facilitate percolation testing of the existing soils. Explorations for this project were conducted on November 8, 2019. Approximate boring locations are shown on the site plan included as Figure 2. The boring locations were selected in the field based on input from Sam Barber of Roger Hickel Contracting Inc.

#### 3.1 Geotechnical Borings

Discovery Drilling of Anchorage, Alaska provided drilling services for this project using a track mounted Geoprobe 7822-DT drill rig. The borings were advanced with 3 1/4-inch inside diameter (ID), continuous flight, hollow-stem auger. An engineer from our firm was present continuously during drilling to locate the borings, observe drill action, collect soil samples, log subsurface conditions, and observe groundwater levels where appropriate.

As the borings were advanced, samples were generally recovered using Standard Penetration Test (SPT) methods at 2.5-foot intervals to 10 feet bgs and 5-foot intervals thereafter to the bottom of the boring. With the SPT method, samples are recovered by driving a 2-inch outer diameter (OD) split-spoon sampler into the bottom of the advancing hole with blows of a 140-pound hammer free falling 30 inches onto the drill rods. For each sample, the number of blows required to drive the sampler the final 12 inches of an 18-inch penetration into undisturbed soil is recorded. Where the sampler did not penetrate the full 18 inches, our log reports the blow count and corresponding penetration in inches. Blow counts are shown graphically on the boring log figure as "penetration resistance" and are displayed adjacent to sample depth. The penetration resistance values give a measure of the relative density (compactness) or consistency (stiffness) of cohesionless or cohesive soils, respectively.

The soil samples recovered during drilling were observed and described in the field in general accordance with the classification system described by ASTM International (ASTM) D2488. Selected samples recovered during drilling were tested in our laboratory to refine our soil descriptions in general accordance with the Unified Soil Classification System (USCS) described in Figure 3 (3 sheets). Frost classifications were also estimated for samples based on laboratory testing (sieve analyses) and are shown on the boring logs. The frost classification system is presented as Figure 4. Summary logs of the borings are presented as Figures 5 through 8.

Upon completion of Boring B-4, a 1-inch diameter, polyvinyl chloride (PVC) pipe with hand-slotted tips was installed to the bottom of the boring to facilitate future observations of groundwater levels. At the completion of Boring Perc-1, 4-inch PVC casing was installed to a depth of approximately 7 feet bgs to facilitate percolation testing. The bottom 12 inches of the 4-inch casing was perforated with eighteen ½-inch holes to allow water to penetrate into the sidewall of the boring. The 4-inch PVC casing was removed from the borehole at the completion of percolation testing. The annular space between the borehole wall and casing in Boring B-4 was backfilled with auger cuttings produced during drilling. The PVC well casing was allowed to stick up out of the ground approximately 3 to 4 feet. The remaining borings were completed by backfilling the hole with auger cuttings produced during drilling. Installation details for the observation well are shown on the corresponding boring log.

The boring locations shown on the site plan presented as Figure 2 were located using a handheld global positioning system (GPS) that is generally considered accurate to within 20 feet horizontally. It should be noted that GPS accuracy may be affected by tree canopies, geographic features, and other atmospheric anomalies. The surface elevations shown on the boring logs were estimated from topographic contours provided by the Municipality of Anchorage GIS department. Therefore, boring locations and elevations should be considered approximate.

### 3.2 Percolation Testing

Percolation testing was performed in general compliance with the Minnesota Pollution Control Agency (MPCA) methods described in Chapter Four of the 2017, Manual For Septic System Professionals in Minnesota.

Under these procedures, the soils are pre-soaked for a minimum of four hours prior to testing, except in granular soils. In granular soils, if a 12-inch column of water disappears within 10 minutes, then soaking is not required and the test may begin immediately. After the soaking period, water is poured into the casing so that the water level in the casing is 8 inches above the bottom of the casing. A reading is taken every thirty minutes, or whenever the water level falls 6 inches. Between each reading the water level is again adjusted to 8 inches above the bottom of the casing, and measurements are taken using a fixed reference point. We continued taking and recording the time for the water level drop measurements until three consecutive percolation rates varied by no more than ten percent. The percolation rate is calculated by dividing the time interval of the drop by the inches dropped. The results are reported in a rate measured in minutes per inch (min/in). Results from percolation testing are discussed in Section 5.2.

## 4 LABORATORY TESTING

Laboratory tests were performed on selected soil samples recovered from the borings to confirm our field classifications and to estimate the index properties of the typical materials encountered at the site. The laboratory testing was formulated with emphasis on determining gradation properties, natural water content, and frost characteristics.

Water content tests were performed in general accordance with ASTM D2216. The results of the water content measurements are presented graphically on the boring logs in Figures 5 through 8.

Grain size classification (gradation) testing was performed to estimate the particle size distribution of selected samples from the borings. The gradation testing generally followed the procedures described in ASTM C117/C136 and D422. The test results are presented in Figure 9 and summarized on the boring logs as percent gravel, percent sand, and percent fines. Percent fines on the boring logs are equal to the sum of the silt and clay fractions indicated by the percent passing the No. 200 sieve. Note that hydrometer testing indicates particle size only and visual classification under USCS designates the entire fraction of soil finer than the No. 200 sieve as silt. Plasticity characteristics (Atterberg Limits results) are required to differentiate between silt and clay soils under USCS.

## 5 SUBSURFACE CONDITIONS

### 5.1 Soil Conditions

The subsurface conditions encountered at the site are depicted graphically on the boring logs in Figures 5 through 8. In general, the borings encountered 1 to 2 inches of organic mat at the ground surface overlying silty sands and gravels to the base of the borings.

The native, granular soils generally consisted of medium dense to very dense silty sands and gravels. Penetration resistance values of the native soils ranged between 11 and more than 50 blows per foot (bpf). According to our laboratory tests, typical moisture contents within the native soils generally range from about 4 to 10 percent, with the moisture content in the surface samples ranging from approximately 11 to 24 percent. Gradation tests performed in the laboratory show estimated fines contents ranging between approximately 26 and 37 percent fines in the samples tested.

## 5.2 Percolation Testing

Percolation testing was conducted on December 3 and 4, 2019 in Boring Perc-1 at a depth of approximately 7 feet bgs. The presoak was initiated on December 3, 2019, while the percolation testing itself occurred on December 4, 2019. The percolation rate was measured over several iterations and the results indicate that the native, sandy soils near Boring Perc-1 percolated at a rate of approximately 2.6 min/in. This rate equates to approximately 0.4 inches per minute (in/min) or 23.4 inches per hour (in/hr). If layers of siltier soils are encountered within the infiltration areas, infiltration rates could be two to three orders of magnitude slower than those measured by our percolation test. We understand that this information will be used to design infiltration works at the site and that appropriate adjustment factors will be applied to the measured infiltration rate to account for long-term performance issues including siltation, biogenic impacts, etc.

## 5.3 Groundwater

Groundwater was observed in our two deeper borings during drilling at depths ranging from about 11 to 15 feet bgs. On December 5, 2019, the static groundwater level in Boring B-4 was observed in our observation well at a depth of 10.0 feet bgs. The observation well remains in place to facilitate groundwater level observations in the future. It should be noted that groundwater levels may fluctuate by several feet seasonally. We believe that typically anticipated seasonal fluctuations should not significantly change the geotechnical properties of the site.

# 6 SEISMIC CONDITIONS

Based on our explorations and local experience, the site class according to the 2012 International Building Code (IBC) will be D for a stiff soil profile based on the blow count (N) method with typical blow counts ranging between 15 and more than 50 blows per foot. We believe that the naturally occurring soils at this site have a low susceptibility to slope failure, liquefaction, and surface rupture. Therefore, we believe that a Site Class D will be the most representative of the site. Based on Section 1613.5 of IBC 2012,  $S_s$  and  $S_1$  for the Maximum Considered Earthquake were estimated at 1.5 and 0.681 times the force of gravity (g), respectively. The site specific modifying coefficients for the spectral response accelerations are  $F_a = 1.0$  and  $F_v = 1.5$  for the short and long periods, respectively. The SMS and SM1 were calculated to be 1.5 and 1.021 g respectively. The computed SDS and SD1 are 1.0 and 0.681 g.

## 7 ENGINEERING RECOMMENDATIONS

The design of the foundations for support of the proposed buildings must consider the bearing capacity of the soils, expected settlements, lateral earth pressures, frost conditions within the subsurface soils, and constructability issues. Other geotechnical considerations associated with this project consist of developing pavements, controlling trench excavations, developing pipe bedding, addressing potential settlements, and trench backfill and compaction. Our explorations at the site encountered up to 2 feet of soil containing organics underlain by silty granular soils to the bottom of our explorations. Soils in the northeastern portion of the site, where the structure is proposed to be located were generally medium dense to very dense to the depth of our boring. Based on these soil conditions, conventional shallow foundations would, in our opinion, provide suitable support for the proposed new structure provided the site is prepared as outlined below in Section 7.1.

### 7.1 Site Preparation

The current ground surface of the site is near the grade of adjacent lots. The northcentral portion of the site is about 8 feet above the grade of the roadway. In order to prepare the site for building, vegetation should be cleared and organic material and soils containing organics should be grubbed before placing fill. The grubbed areas should extend a minimum of 5 feet from the outer edges of the building and edge of asphalt. According to our borings, organic soils and soils containing organics were generally encountered in the upper 0.1 to 2 feet of the ground surface. Organic material should not be re-used as fill beneath the pavement or building areas at the site and should be removed from the site or used as topsoil in landscaping. Note that some of the soils exposed at the bottom of sub-cut excavations may have elevated fines contents and may be sensitive to moisture and disturbance. If moisture sensitive materials are encountered, flat-nosed excavator buckets should be used. Additionally, equipment should not be operated on the exposed subgrade if the area is wet and moisture sensitive prior to fill placement.

Once the above site preparation is completed, the exposed ground surface should be proof rolled and then observed by an experienced geotechnical engineer to look for soft or loose zones. If loose or soft zones are discovered, they should be locally compacted or excavated and replaced with compacted, structural fill material. The resultant grade should be smooth, consistent, and unyielding.

Areas of the site may need to be raised after site preparation. If so, backfill material should consist of classified materials conforming to Municipality of Anchorage (MOA) gradation requirements for Type II structural fill. Fill placed and compacted for site grading should be done as described in Section 7.9. We recommend that a qualified laboratory be retained to

perform fill density testing during the grading process at the site. To reduce the risk of slope raveling or sloughing, finished side slopes should be graded no steeper than 2 horizontal (H) to 1 vertical (V). Exposed soils should be temporarily protected from erosion with straw mats or other measures and planted with a vegetative ground cover for long term protection.

## 7.2 Building Foundations

We recommend that the proposed new buildings be supported on spread or continuous strip footings bearing on firm native soils, or on Type II/IIA structural fill replacing loose soils. The recommended minimum footing width is 16 inches for continuous strip footings and 24 inches for spread footings. The base of exterior footings and unheated interior footings should be buried sufficiently to prevent structural damage resulting from frost action. We recommend that perimeter footings in heated buildings be placed a minimum of 42 inches below the ground surface. If portions of the proposed buildings are to be unheated, the minimum burial depth for footings should be increased to 60 inches bgs for frost protection.

Based on the expected footing dimensions, depths, and site preparation recommendations, we recommend that foundations for the proposed buildings be designed with an allowable soil bearing pressure of 3,000 pounds per square foot (psf). Localized loose or soft areas, whether resulting from existing conditions or disturbance during construction must be corrected prior to casting footings, or damaging differential settlements could occur. The above bearing value may be increased by one-third for short-term wind or seismic loading. A typical footing detail is included in Figure 10.

## 7.3 Floor Slab Support

Slab on grade construction is anticipated for this project. To provide an even, firm, unyielding base, we recommend that the exposed foundation soils be probed to locate materials that may be naturally loose or have become loosened or disturbed due to excavation and grading activities. If loose areas are encountered, we recommend that they be re-compacted or removed and replaced with compacted structural fill. The structural fill placed beneath the floor slab should be placed and compacted in accordance with the recommendations included in Section 7.9. Provided the recommendations discussed above are adhered to by the contractor, a subgrade reaction modulus of at least 150 pounds per square inch per inch (psi/in) should be attainable on the recommended support soils. In areas to receive floor coverings, we recommend installing a vapor retarder directly beneath the concrete slab.

## 7.4 Estimated Building Settlements

The magnitude of the settlements that will develop at the building site is dependent upon the applied loads and density of the support material. Assuming the site is prepared as recommended and the subgrade beneath footings is protected from moisture while exposed, we estimate that total maximum settlements will be about 1 inch or less with differential settlements being about 1/2 of the total settlements over the length of the structure. The greatest amount of settlement should occur during construction, essentially as fast as the building loads are applied, such that long term differential settlements of the building will be relatively small and well within tolerable limits. It should be noted that near surface soil density varied across the site from medium dense to very dense. If the building layout is moved, or if loose soils are encountered under the building footprint, the loose soils should be compacted to a dense state to avoid undesired differential movements.

## 7.5 Lateral Earth Pressures and Lateral Resistance

Building walls below ground that support earth fills and floor slabs should be designed to resist horizontal earth pressures. The magnitude of the pressure is dependent on the method of backfill placement, the type of backfill material, drainage provisions, and whether the wall is permitted to deflect after or during placement of backfill.

If the walls are allowed to deflect laterally or rotate an amount equal to about 0.001 times the height of the wall, an active earth pressure condition under static loading would prevail and an equivalent fluid weight of 35 pounds per cubic foot (pcf) is recommended for design of the walls. For rigid walls that are restrained from deflecting at the top, an at-rest earth pressure condition would prevail and an equivalent fluid weight of 55 pcf is recommended. To simulate seismic loading (from soils adjacent to the foundation) a rectangular pressure prism with a magnitude of 13 psf per foot of wall height should be applied to the below-grade walls. Note that these values reflect free-draining, compact, granular backfill with no hydrostatic forces acting on the wall, and also assume that the soils within the zone of frost penetration behind the wall (about 6 to 8 feet horizontal) are non-frost-susceptible. These values do not include a factor of safety.

Lateral forces from wind or seismic loading may be resisted by passive earth pressures against the sides of footings. These resisting pressures can be estimated using an equivalent fluid weight of 220 pcf. This value includes a factor of safety of 2 on the full passive earth pressure and assumes that backfill around the footings is densely compacted.

Lateral resistance may also be developed in friction against sliding along the base of foundations placed on grade such as footings or floor slabs. These forces may be computed using a coefficient of 0.4 between concrete and soil.

## 7.6 Drainage

Site drainage should be considered during design and construction. Groundwater was encountered in Borings B-3 and B-4 at approximately 15 and 11 feet bgs, respectively during drilling but was not encountered in our remaining borings at the site. Water was present at 10.0 feet bgs in the observation well placed in Boring B-4 on December 5, 2019. Therefore it is unlikely that groundwater will be encountered during construction, however it could be encountered during trenching for installation of deeper utilities. In general, excavation and backfill work should be closely coordinated such that seepage and surface runoff is not allowed to collect and stand in open excavations. Likewise, the ground surface around excavations should be contoured to drain away from the excavation and the excavation bottoms should be graded to drain to a sump or topographic low. If excavations remain open for an extended duration or during periods of high rainfall or rapid snow melting, shoring and/or dewatering with sumps and pumps in the excavation bottom may be necessary to maintain stable slope and bottom conditions.

We recommend that the site should be carefully graded such that surface water and roof run-off are directed away from the proposed structure, so that it cannot pond against or infiltrate the soils near the building walls. Positive drainage should be maintained for driveways and paved parking areas such that surface water is directed off the pavement surface away from the pavement structural section.

## 7.7 Excavation Slopes and Utility Trenches

Buried pipes and cables will be needed to tie the new developments into existing nearby utilities and to new onsite sewer and water utilities. Trenches excavated for installation of these new utilities should be generally constructed as presented in Figure 11. The bedding and structural fill material around the buried utility should be densely compacted to support and hold the pipe firmly in place.

The native soils in this area are typically granular and moist with high fines contents. Excavation slopes will tend to stand steeply at first, and then ravel over time to flatter slopes (i.e., to about 1.5 H to 1 V or shallower). The actual slope and excavation bottom conditions should be made the responsibility of the contractor, who will be present on a day to day basis and can adjust efforts to obtain the needed stability. The contractor should be prepared to use shoring or a trench box as necessary to protect their workers in accordance with state and federal safety regulations (including OSHA) which require slope protection for trenches deeper than 4 feet bgs.

Below areas that are receiving pavements or floor slabs, trench backfill should be placed in maximum 8-inch loose lifts and compacted to at least 95 percent of maximum density, as

discussed in Section 7.9. The lift thickness may be increased to up to 12 inches if it can be shown that the lift is adequately compacted at depth. In areas where no paving is planned, less compaction is required and material may be placed in thicker lifts (12 inches) and moderately compacted to achieve at least 90 percent compaction. The bedding and fill material around buried pipes should also be compacted to at least 95 percent of maximum density or per manufacturer recommendations to support and hold the pipe firmly in place. Utility trenches should be backfilled with existing inorganic soils as much as practicable between the top of the pipe bedding and the bottom of the pavement structural section or the original ground surface. This procedure limits the contrast between trench backfill and the surrounding soil conditions that can lead to adverse settlement or frost heave behavior. Bulking of backfill into trenches should be discouraged as this can cause voids and lead to large future surface settlements.

## 7.8 Asphalt Pavements

We understand that new asphalt driving surfaces will be constructed for driveways and a parking area. Pavement design in southcentral Alaska is typically based on estimated frost penetration and the frost classification of the subgrade materials rather than anticipated loading. Our borings indicate that site generally contains an up to 2 foot layer of soil containing organics at the ground surface. These soils should be removed from areas to be paved. In our opinion, the soils beneath the organic containing soils are generally competent to support the perceived traffic loads if careful attention is given to control of surface water and to frost design of the pavement section.

To prepare the subgrade to receive the pavement structural section fill, the area to receive fill should be excavated, as required, to the design elevation of the bottom of the structural section. The base of the excavation should then be proof rolled to identify loose subgrade materials. These spots should be re-compacted or removed and replaced with structural fill that is placed and compacted as described in Section 7.9. The goal of this process is to attain a relatively uniform, firm and unyielding subgrade upon which to construct the pavement system.

The performance of the pavement is controlled by the quality (gradation characteristics) of the materials imported to the site, placed, and compacted to develop the needed structural section, and the quality of the subgrade supporting the pavement structural section. We assume that the parking area pavement section will be relatively lightly loaded and that traffic will generally consist of personal vehicles. Therefore, we recommend that the asphalt pavement structural section consist of (in ascending order) at least 24 inches of compacted Type II/IIA structural fill, 4 inches of leveling course and 2 inches of asphalt. Our recommended structural section for asphalt pavements can also be applied to concrete

sidewalks. Note that these recommendations provide an asphalt pavement that may exhibit seasonal deflections. It is our opinion that seasonal frost will penetrate deeper than our recommended pavement structural section at the site; however, we believe that the seasonal surface deflections that may be associated with these materials will be small and gradual such that they can be reasonably tolerated. If frost heaving of the pavement cannot be tolerated for operations at this facility, a significantly thicker structural section, or a section including a layer of insulation should be considered. Typical "Limited Subgrade Frost Penetration" sections in this area require non-frost susceptible soils to extend approximately 8-10 feet below ground surface, insulated sections are typically contain 2 inches of "blueboard" insulation, and require non-frost susceptible soils to extend approximately 4-5 feet bgs.

## 7.9 Structural Fill and Compaction

Backfill will be required behind the foundation walls and under pavements, foundations and floor slabs. Structural fill that is placed should be clean, well-graded, granular soil to provide drainage and frost protection. Type II/IIA structural fill as defined by the MASS meets these requirements and may be placed in both wet and dry conditions. Gradation requirements for Type II/IIA structural fill are provided in Figure 12.

The existing granular materials encountered in our borings, and likely to be disturbed by construction activities, generally contained between 26 and 37 percent fines. These soils are not likely to meet the requirements for classified fill soils. These soils can be used as unclassified fill beneath pavement structural sections, utility trench backfill, under the foundation of the proposed structures where the soil will be protected from freezing (with the exception of the drainage layer), and in nonstructural areas. The existing high fines soils at the site may be moisture sensitive and special handling techniques (i.e. moisture control/protection, reduced traffic, etc.) may need to be implemented if they are to be re-used. Re-use will be dictated by the contractor's ability to place and compact the material with proper moisture density control. In addition, moisture sensitive materials that are exposed at the bottom of excavations during site preparation activities should be protected from excess moisture prior to construction.

Structural fills below pavements and beneath footings and floor slabs should be placed in lifts not to exceed 12 inches loose thickness, and compacted to 95 percent of the maximum density as determined by the Modified Proctor compaction procedure (ASTM D1557). Non-structural fills, including fills outside of the road prism or beneath landscape areas that are not subject to building or traffic loads, should be compacted to at least 90 percent of the Modified Proctor optimum dry density. Bulking of backfill into the trench should be discouraged as this can cause voids and lead to large future surface settlements. During fill

placement, we recommend that large cobbles or boulders with dimensions in excess of 8 inches be removed from any structural fills. We recommend that our services be retained to inspect the quality of fill compaction during construction.

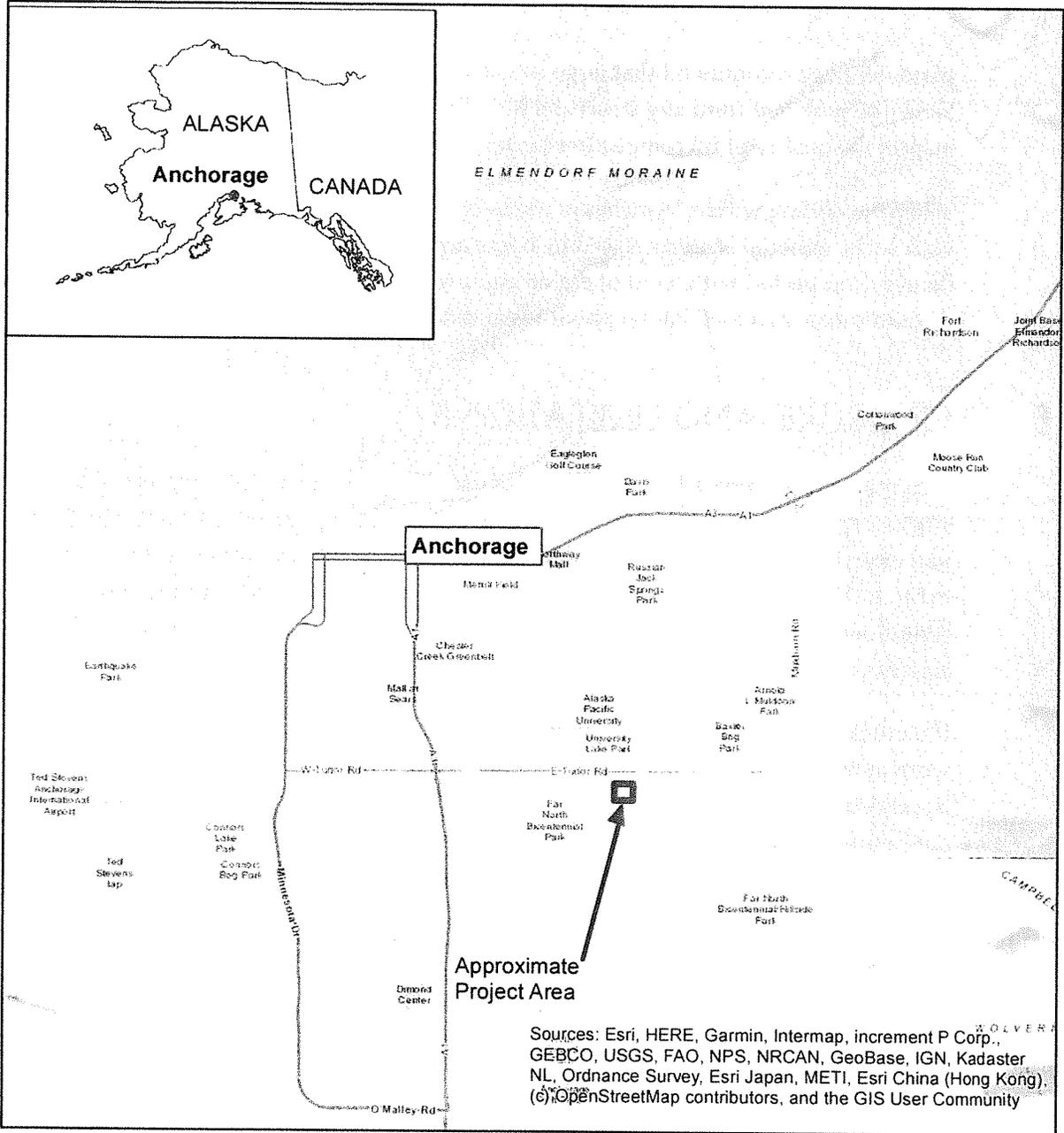
When backfilling within 18 inches of the building walls where the wall is not supported on both sides, material shall be placed in layers not to exceed 6 inches loose thickness and densely compacted with hand operated equipment. Heavy equipment shall not be used as it could cause increased lateral pressures and damage walls.

## 8 CLOSURE AND LIMITATIONS

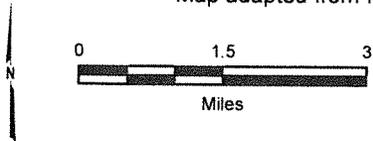
This report was prepared for the exclusive use of our client and their representatives for evaluating the site as it relates to the geotechnical aspects discussed herein. The conclusions and interpretation contained in this report are based on site conditions as they presently exist. It is assumed that the exploratory borings are representative of the subsurface conditions throughout the site, i.e., the subsurface conditions everywhere are not significantly different from those disclosed by the explorations.

If there is a substantial lapse of time between the submittal of this report and the start of work at the site, or if conditions have changed due to natural causes or construction operations at or adjacent to the site, it is recommended that this report be reviewed to determine the applicability of the conclusions considering the changed conditions and time lapse. Unanticipated soil conditions are commonly encountered and cannot fully be determined by merely taking soil samples or advancing test holes. Please read the Important Information section at the back of this report to reduce your project risks.

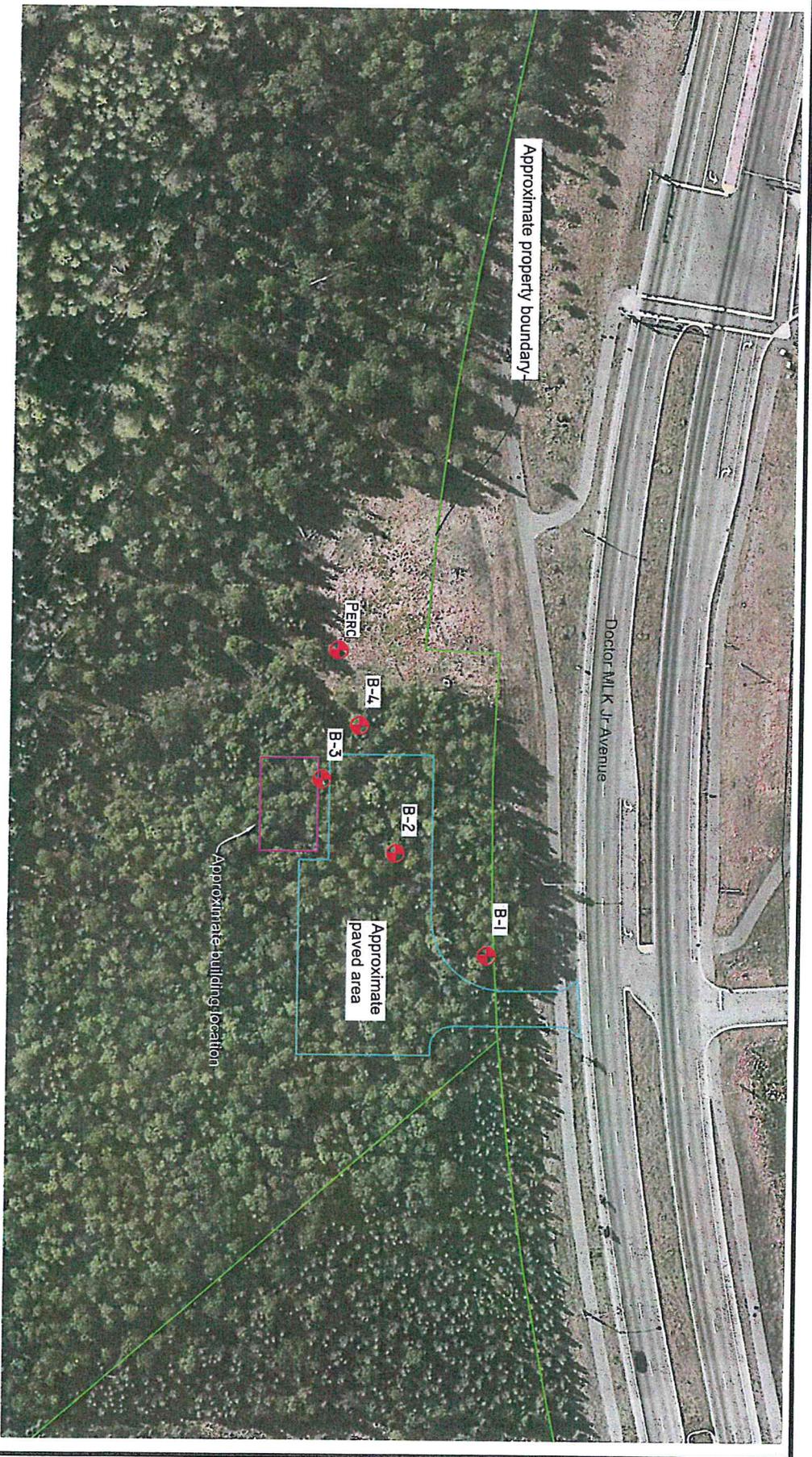
Copies of documents that may be relied upon by our client are limited to the printed copies (also known as hard copies) that are signed or sealed by Shannon & Wilson with a wet, blue ink signature. Files provided in electronic media format are furnished solely for the convenience of the client. Any conclusion or information obtained or derived from such electronic files shall be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, or you question the authenticity of the report please contact us.



Map adapted from files provided by the Alaska Department of Natural Resources



Proposed New Tozier Track Facility Anchorage, Alaska	
<b>VICINITY MAP</b>	
January 2020	104221-001
 SHANNON & WILSON, INC. GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS	<b>FIG. 1</b>

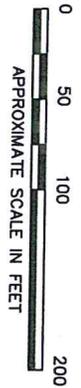


**LEGEND**

B-1 Approximate Location of Boring B-1, Advanced by Shannon & Wilson, November 2019

**NOTES**

1. Map adapted from aerial imagery provided by the Municipality of Anchorage. Image date: May 2015
2. Property boundaries provided by the Municipality of Anchorage.
3. Approximate building and paved areas from October 10, 2019 Preliminary Site Plan by Roger Hikkel Contracting and Faulkenberry & Associates.



Proposed New Tozier Track Facility  
Anchorage, Alaska

**SITE PLAN**

January 2020

104221-001



**FIG. 2**

Shannon & Wilson, Inc. (S&W), uses a soil identification system modified from the Unified Soil Classification System (USCS). Elements of the USCS and other definitions are provided on this and the following pages. Soil descriptions are based on visual-manual procedures (ASTM D2488) and laboratory testing procedures (ASTM D2487), if performed.

**S&W INORGANIC SOIL CONSTITUENT DEFINITIONS**

CONSTITUENT <sup>2</sup>	FINE-GRAINED SOILS (50% or more fines) <sup>1</sup>	COARSE-GRAINED SOILS (less than 50% fines) <sup>1</sup>
Major	Silt, Lean Clay, Elastic Silt <sub>3</sub> , or Fat Clay <sub>3</sub>	Sand or Gravel <sup>4</sup>
Modifying (Secondary) Precedes major constituent	30% or more coarse-grained: Sandy or Gravelly <sup>4</sup>	More than 12% fine-grained: Silty or Clayey <sup>3</sup>
Minor Follows major constituent	15% to 30% coarse-grained: with Sand or with Gravel <sup>4</sup> 30% or more total coarse-grained and lesser coarse-grained constituent is 15% or more: with Sand or with Gravel <sup>5</sup>	5% to 12% fine-grained: with Silt or with Clay <sup>3</sup> 15% or more of a second coarse-grained constituent: with Sand or with Gravel <sup>5</sup>

<sup>1</sup>All percentages are by weight of total specimen passing a 3-inch sieve.  
<sup>2</sup>The order of terms is: Modifying Major with Minor.  
<sup>3</sup>Determined based on behavior.  
<sup>4</sup>Determined based on which constituent comprises a larger percentage.  
<sup>5</sup>Whichever is the lesser constituent.

**MOISTURE CONTENT TERMS**

Dry	Absence of moisture, dusty, dry to the touch
Moist	Damp but no visible water
Wet	Visible free water, from below water table

**STANDARD PENETRATION TEST (SPT) SPECIFICATIONS**

Hammer:	140 pounds with a 30-inch free fall. Rope on 6- to 10-inch-diam. cathead 2-1/4 rope turns, > 100 rpm
	NOTE: If automatic hammers are used, blow counts shown on boring logs should be adjusted to account for efficiency of hammer.
Sampler:	10 to 30 inches long Shoe I.D. = 1.375 inches Barrel I.D. = 1.5 inches Barrel O.D. = 2 inches
N-Value:	Sum blow counts for second and third 6-inch increments. Refusal: 50 blows for 6 inches or less; 10 blows for 0 inches.
	NOTE: Penetration resistances (N-values) shown on boring logs are as recorded in the field and have not been corrected for hammer efficiency, overburden, or other factors.

**PARTICLE SIZE DEFINITIONS**

DESCRIPTION	SIEVE NUMBER AND/OR APPROXIMATE SIZE
FINES	< #200 (0.075 mm = 0.003 in.)
SAND Fine Medium Coarse	#200 to #40 (0.075 to 0.4 mm; 0.003 to 0.02 in.) #40 to #10 (0.4 to 2 mm; 0.02 to 0.08 in.) #10 to #4 (2 to 4.75 mm; 0.08 to 0.187 in.)
GRAVEL Fine Coarse	#4 to 3/4 in. (4.75 to 19 mm; 0.187 to 0.75 in.) 3/4 to 3 in. (19 to 76 mm)
COBBLES	3 to 12 in. (76 to 305 mm)
BOULDERS	> 12 in. (305 mm)

**RELATIVE DENSITY / CONSISTENCY**

COHESIONLESS SOILS		COHESIVE SOILS	
N, SPT, BLOWS/FT.	RELATIVE DENSITY	N, SPT, BLOWS/FT.	RELATIVE CONSISTENCY
< 4	Very loose	< 2	Very soft
4 - 10	Loose	2 - 4	Soft
10 - 30	Medium dense	4 - 8	Medium stiff
30 - 50	Dense	8 - 15	Stiff
> 50	Very dense	15 - 30	Very stiff
		> 30	Hard

**WELL AND BACKFILL SYMBOLS**

	Bentonite Cement Grout		Surface Cement Seal
	Bentonite Grout		Asphalt or Cap
	Bentonite Chips		Slough
	Silica Sand		Inclinometer or Non-perforated Casing
	Perforated or Screened Casing		Vibrating Wire Piezometer

**PERCENTAGES TERMS<sup>1, 2</sup>**

Trace	< 5%
Few	5 to 10%
Little	15 to 25%
Some	30 to 45%
Mostly	50 to 100%

<sup>1</sup>Gravel, sand, and fines estimated by mass. Other constituents, such as organics, cobbles, and boulders, estimated by volume.

<sup>2</sup>Reprinted, with permission, from ASTM D2488 - 09a Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be obtained from ASTM International, www.astm.org.

Proposed New Tozier Track Facility  
Anchorage, Alaska

**SOIL DESCRIPTION AND LOG KEY**

January 2020

104221-001

**SHANNON & WILSON, INC.**  
Geotechnical and Environmental Consultants

**FIG. 3**  
Sheet 1 of 3

**UNIFIED SOIL CLASSIFICATION SYSTEM (USCS)**  
 (Modified From USACE Tech Memo 3-357, ASTM D2487, and ASTM D2488)

MAJOR DIVISIONS		GROUP/GRAPHIC SYMBOL	TYPICAL IDENTIFICATIONS	
COARSE-GRAINED SOILS (more than 50% retained on No. 200 sieve)	Gravels (more than 50% of coarse fraction retained on No. 4 sieve)	Gravel (less than 5% fines)	GW 	Well-Graded Gravel; Well-Graded Gravel with Sand
		Silty or Clayey Gravel (more than 12% fines)	GP 	Poorly Graded Gravel; Poorly Graded Gravel with Sand
			GM 	Silty Gravel; Silty Gravel with Sand
		GC 	Clayey Gravel; Clayey Gravel with Sand	
	Sands (50% or more of coarse fraction passes the No. 4 sieve)	Sand (less than 5% fines)	SW 	Well-Graded Sand; Well-Graded Sand with Gravel
			SP 	Poorly Graded Sand; Poorly Graded Sand with Gravel
		Silty or Clayey Sand (more than 12% fines)	SM 	Silty Sand; Silty Sand with Gravel
			SC 	Clayey Sand; Clayey Sand with Gravel
FINE-GRAINED SOILS (50% or more passes the No. 200 sieve)	Sils and Clays (liquid limit less than 50)	Inorganic	ML 	Silt; Silt with Sand or Gravel; Sandy or Gravelly Silt
			CL 	Lean Clay; Lean Clay with Sand or Gravel; Sandy or Gravelly Lean Clay
	Sils and Clays (liquid limit 50 or more)	Inorganic	OL 	Organic Silt or Clay; Organic Silt or Clay with Sand or Gravel; Sandy or Gravelly Organic Silt or Clay
			MH 	Elastic Silt; Elastic Silt with Sand or Gravel; Sandy or Gravelly Elastic Silt
		Organic	CH 	Fat Clay; Fat Clay with Sand or Gravel; Sandy or Gravelly Fat Clay
			OH 	Organic Silt or Clay; Organic Silt or Clay with Sand or Gravel; Sandy or Gravelly Organic Silt or Clay
HIGHLY-ORGANIC SOILS	Primarily organic matter, dark in color, and organic odor	PT 	Peat or other highly organic soils (see ASTM D4427)	

NOTE: No. 4 size = 4.75 mm = 0.187 in.; No. 200 size = 0.075 mm = 0.003 in.

**NOTES**

1. Dual symbols (symbols separated by a hyphen, i.e., SP-SM, Sand with Silt) are used for soils with between 5% and 12% fines or when the liquid limit and plasticity index values plot in the CL-ML area of the plasticity chart. Graphics shown on the logs for these soil types are a combination of the two graphic symbols (e.g., SP and SM).

2. Borderline symbols (symbols separated by a slash, i.e., CL/ML, Lean Clay to Silt; SP-SM/SM, Sand with Silt to Silty Sand) indicate that the soil properties are close to the defining boundary between two groups.

Proposed New Tozier Track Facility  
Anchorage, Alaska

**SOIL DESCRIPTION  
AND LOG KEY**

January 2020

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**FIG. 3**  
Sheet 2 of 3

2013 BORING CLASS GINT TEMPLATE7.GPJ SWNEW.GDT 1/10/20

**GRADATION TERMS**

Poorly Graded	Narrow range of grain sizes present or, within the range of grain sizes present, one or more sizes are missing (Gap Graded). Meets criteria in ASTM D2487, if tested.
Well-Graded	Full range and even distribution of grain sizes present. Meets criteria in ASTM D2487, if tested.

**CEMENTATION TERMS<sup>1</sup>**

Weak	Crumbles or breaks with handling or slight finger pressure
Moderate	Crumbles or breaks with considerable finger pressure
Strong	Will not crumble or break with finger pressure

**PLASTICITY<sup>2</sup>**

DESCRIPTION	VISUAL-MANUAL CRITERIA	APPROX. PLASTICITY INDEX RANGE
Nonplastic	A 1/8-in. thread cannot be rolled at any water content.	< 4
Low	A thread can barely be rolled and a lump cannot be formed when drier than the plastic limit.	4 to 10
Medium	A thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. A lump crumbles when drier than the plastic limit.	10 to 20
High	It take considerable time rolling and kneading to reach the plastic limit. A thread can be rerolled several times after reaching the plastic limit. A lump can be formed without crumbling when drier than the plastic limit.	> 20

**ADDITIONAL TERMS**

Mottled	Irregular patches of different colors.
Bioturbated	Soil disturbance or mixing by plants or animals.
Diamict	Nonsorted sediment; sand and gravel in silt and/or clay matrix.
Cuttings	Material brought to surface by drilling.
Slough	Material that caved from sides of borehole.
Sheared	Disturbed texture, mix of strengths.

**PARTICLE ANGULARITY AND SHAPE TERMS<sup>3</sup>**

Angular	Sharp edges and unpolished planar surfaces.
Subangular	Similar to angular, but with rounded edges.
Subrounded	Nearly planar sides with well-rounded edges.
Rounded	Smoothly curved sides with no edges.
Flat	Width/thickness ratio > 3.
Elongated	Length/width ratio > 3.

**ACRONYMS AND ABBREVIATIONS**

ATD	At Time of Drilling
Diam.	Diameter
Elev.	Elevation
ft.	Feet
FeO	Iron Oxide
gal.	Gallons
Horiz.	Horizontal
HSA	Hollow Stem Auger
I.D.	Inside Diameter
in.	Inches
lbs.	Pounds
MgO	Magnesium Oxide
mm	Millimeter
MnO	Manganese Oxide
NA	Not Applicable or Not Available
NP	Nonplastic
O.D.	Outside Diameter
OW	Observation Well
pcf	Pounds per Cubic Foot
PID	Photo-Ionization Detector
PMT	Pressuremeter Test
ppm	Parts per Million
psi	Pounds per Square Inch
PVC	Polyvinyl Chloride
rpm	Rotations per Minute
SPT	Standard Penetration Test
USCS	Unified Soil Classification System
q <sub>u</sub>	Unconfined Compressive Strength
VWP	Vibrating Wire Piezometer
Vert.	Vertical
WOH	Weight of Hammer
WOR	Weight of Rods
Wt.	Weight

**STRUCTURE TERMS<sup>1</sup>**

Interbedded	Alternating layers of varying material or color with layers at least 1/4-inch thick; singular: bed.
Laminated	Alternating layers of varying material or color with layers less than 1/4-inch thick; singular: lamination.
Fissured	Breaks along definite planes or fractures with little resistance.
Slickensided	Fracture planes appear polished or glossy; sometimes striated.
Blocky	Cohesive soil that can be broken down into small angular lumps that resist further breakdown.
Lensed	Inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay.
Homogeneous	Same color and appearance throughout.

Proposed New Tozier Track Facility  
Anchorage, Alaska

**SOIL DESCRIPTION AND LOG KEY**

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**FIG. 3**  
Sheet 3 of 3

<sup>1</sup>Reprinted, with permission, from ASTM D2488 - 09a Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be obtained from ASTM International, www.astm.org.

<sup>2</sup>Adapted, with permission, from ASTM D2488 - 09a Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be obtained from ASTM International, www.astm.org.

**FROST CLASSIFICATION**  
(after Municipality of Anchorage, 2007)

GROUP		0.02 Mil.	P-200*	USC SYSTEM (based on P-200 results)
NFS	Sandy Soils	0 to 3	0 to 6	SW, SP, SW-SM, SP-SM
	Gravelly Soils	0 to 3	0 to 6	GW, GP, GW-GM, GP-GM
F1	Gravelly Soils	3 to 10	6 to 13	GM, GW-GM, GP-GM
F2	Sandy Soils	3 to 15	6 to 19	SP-SM, SW-SM, SM
	Gravelly Soils	10 to 20	13 to 25	GM
F3	Sands, except very fine silty sands**	Over 15	Over 19	SM, SC
	Gravelly Soils	Over 20	Over 25	GM, GC
	Clays, PI>12			CL, CH
F4	All Silts			ML, MH
	Very fine silty sands**	Over 15	Over 19	SM, SC
	Clays, PI<12			CL, CL-ML
	Varved clays and other fined grained, banded sediments			CL and ML CL, ML, and SM; SL, SH, and ML; CL, CH, ML, and SM

PI = Plasticity Index

P-200 = Percent passing the number 200 sieve

0.02 Mil. = Percent material below 0.02 millimeter grain size

\*Approximate P-200 value equivalent for frost classification.  
Value range based on typical, well-graded soil curves.

\*\* Very fine sand : greater than 50% of sand fraction passing the number 100 sieve

Proposed New Tozier Track Facility  
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**FROST CLASSIFICATION LEGEND**

January 2020

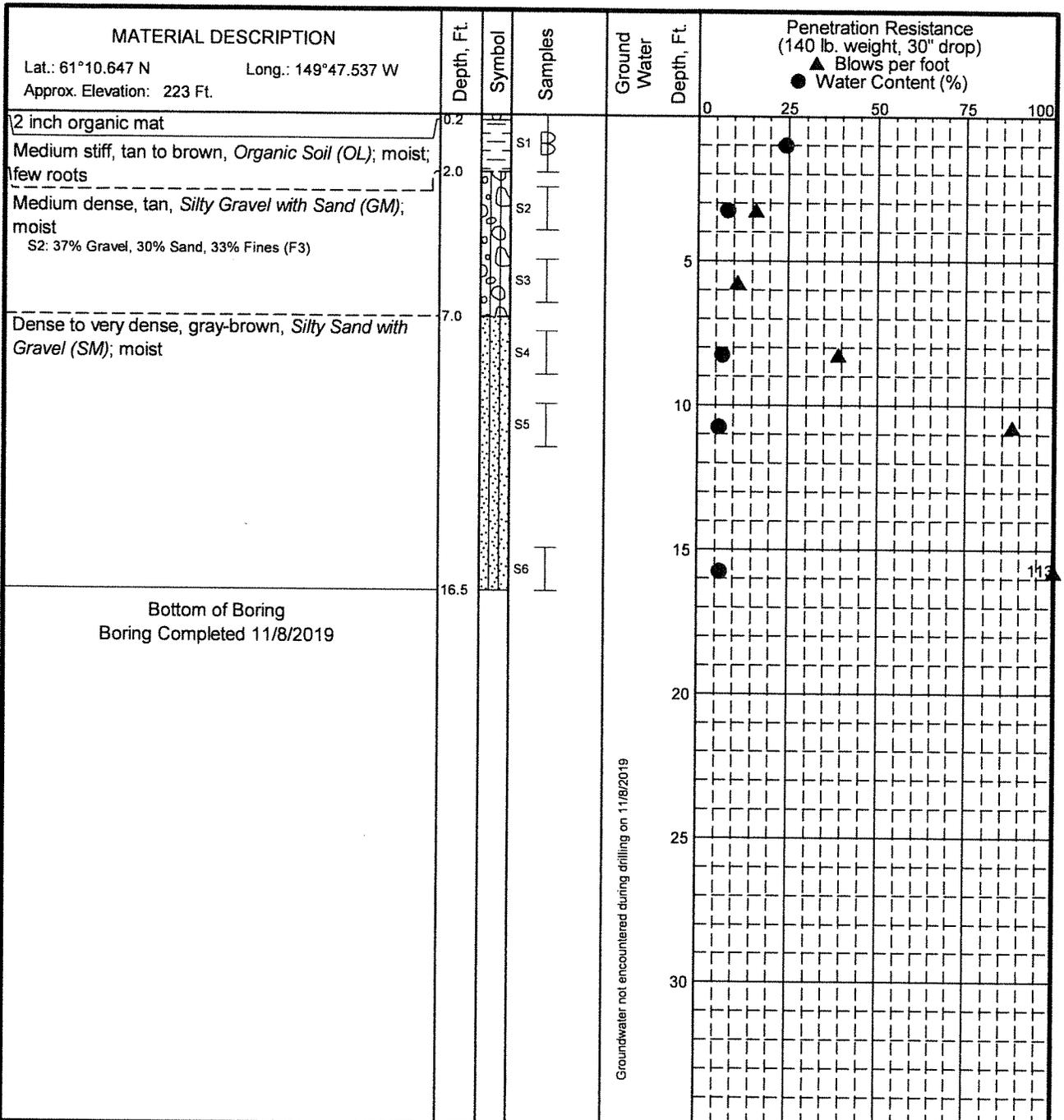
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**FIG. 4**

GEO TECHNICAL LOG GINT TEMPLATE7.GPJ S&W GEO1.GDT 1/10/20



**LEGEND**

- \* Sample Not Recovered
- ▣ Grab Sample
- ⊔ 2" O.D. Split Spoon Sample

- Water Content (%)
- Plastic Limit
- Liquid Limit
- Natural Water Content

**NOTES**

1. The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
2. The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
3. Water level, if indicated above, is for the date specified and may vary.

Proposed New Tozier Track Facility  
Anchorage, Alaska

**LOG OF BORING B-1**

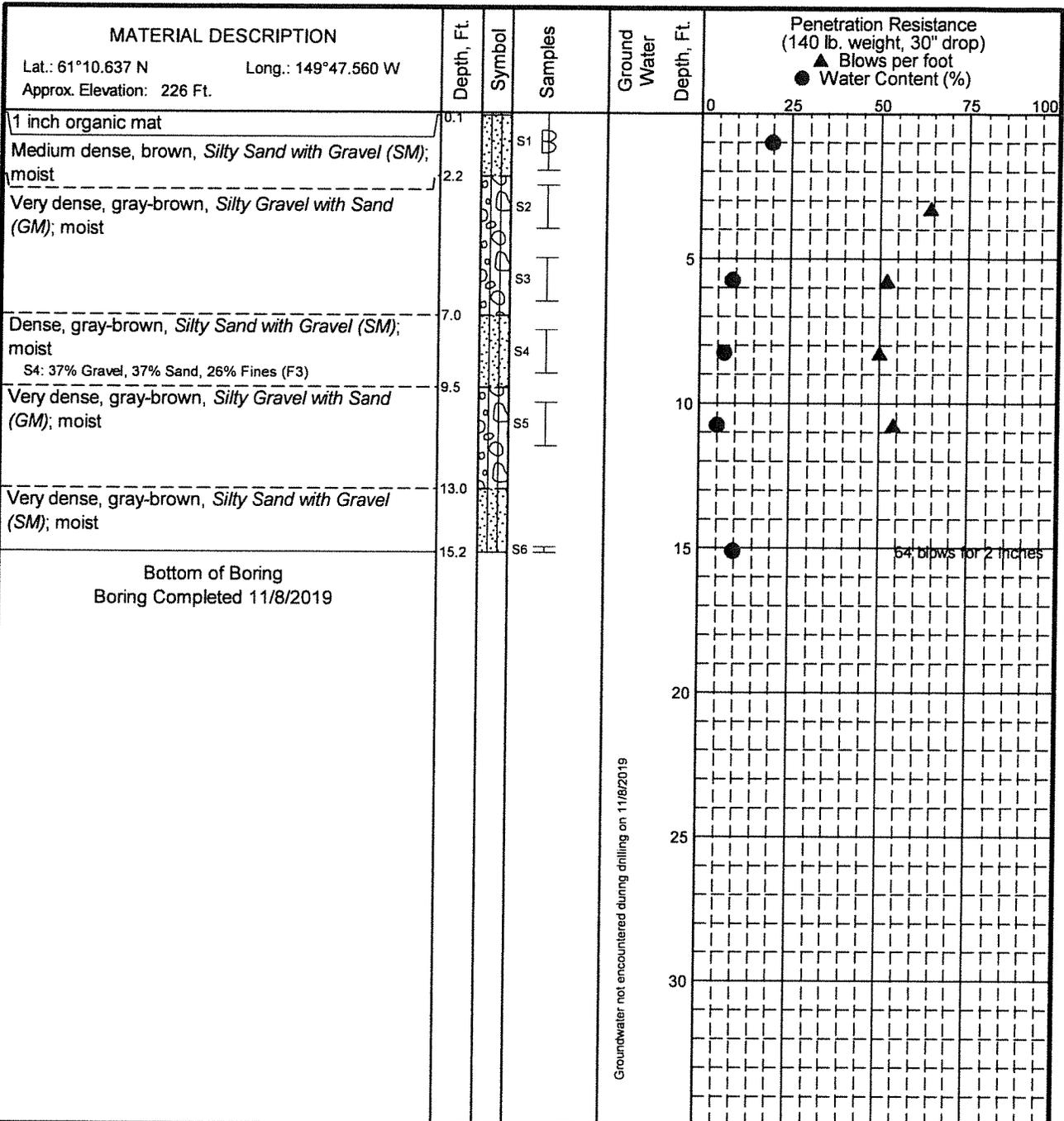
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**FIG. 5**

GEO TECHNICAL LOG GINT TEMPLATE7.GPJ S&W\_GEO1.GDT 1/10/20



Groundwater not encountered during drilling on 11/8/2019

**LEGEND**

- \* Sample Not Recovered
- ▣ Grab Sample
- ⊥ 2" O.D. Split Spoon Sample

- Water Content (%)
- Plastic Limit
- Liquid Limit
- Natural Water Content

**NOTES**

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.

Proposed New Tozier Track Facility  
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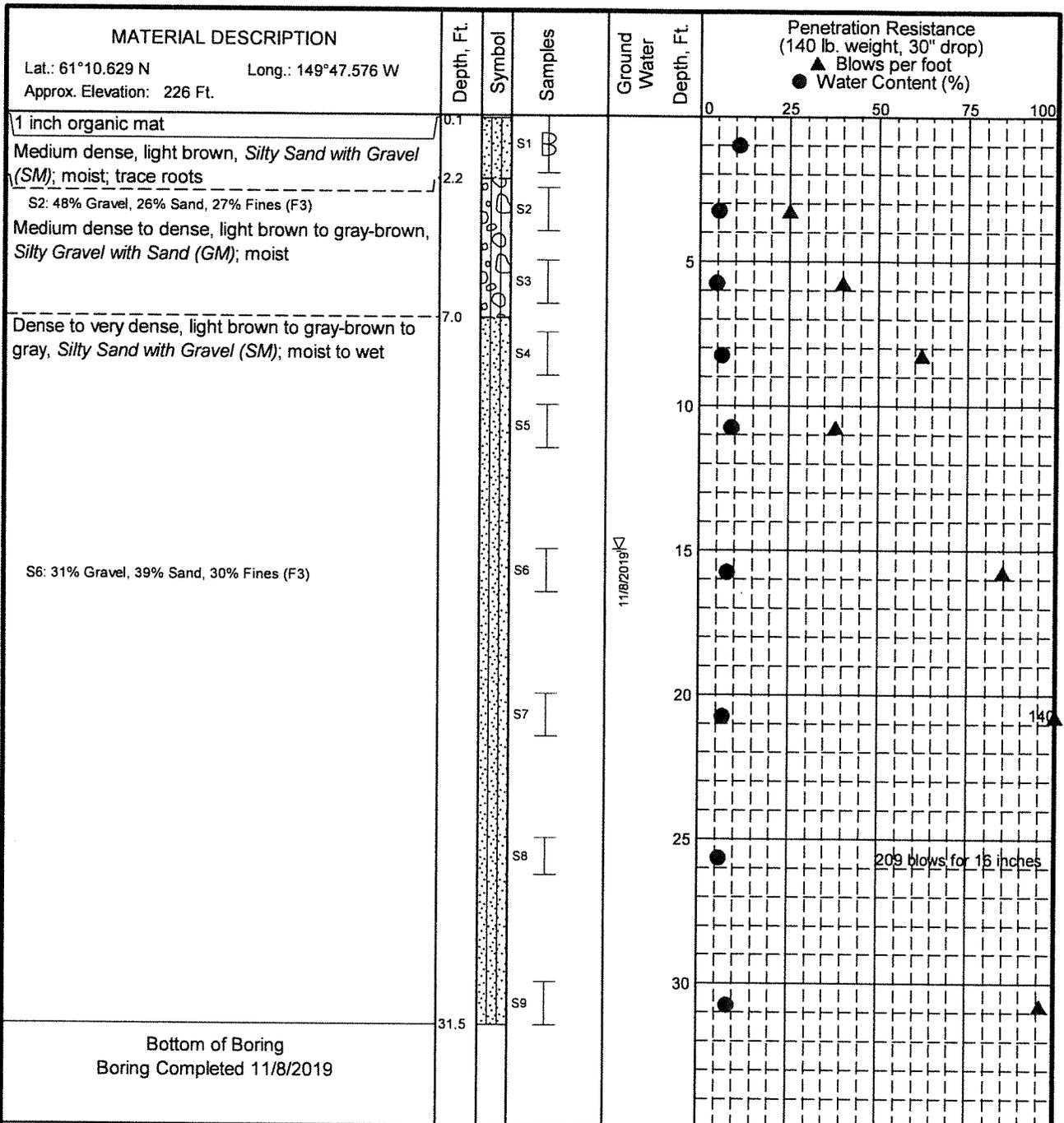
**LOG OF BORING B-2**

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**FIG. 6**



**LEGEND**

- \* Sample Not Recovered
- ▬ Grab Sample
- ⌈ 2" O.D. Split Spoon Sample
- ▽ Ground Water Level At Time Of Drilling

- Water Content (%)
- Liquid Limit
- Plastic Limit
- Natural Water Content

**NOTES**

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.

Proposed New Tozier Track Facility  
Anchorage, Alaska

**LOG OF BORING B-3**

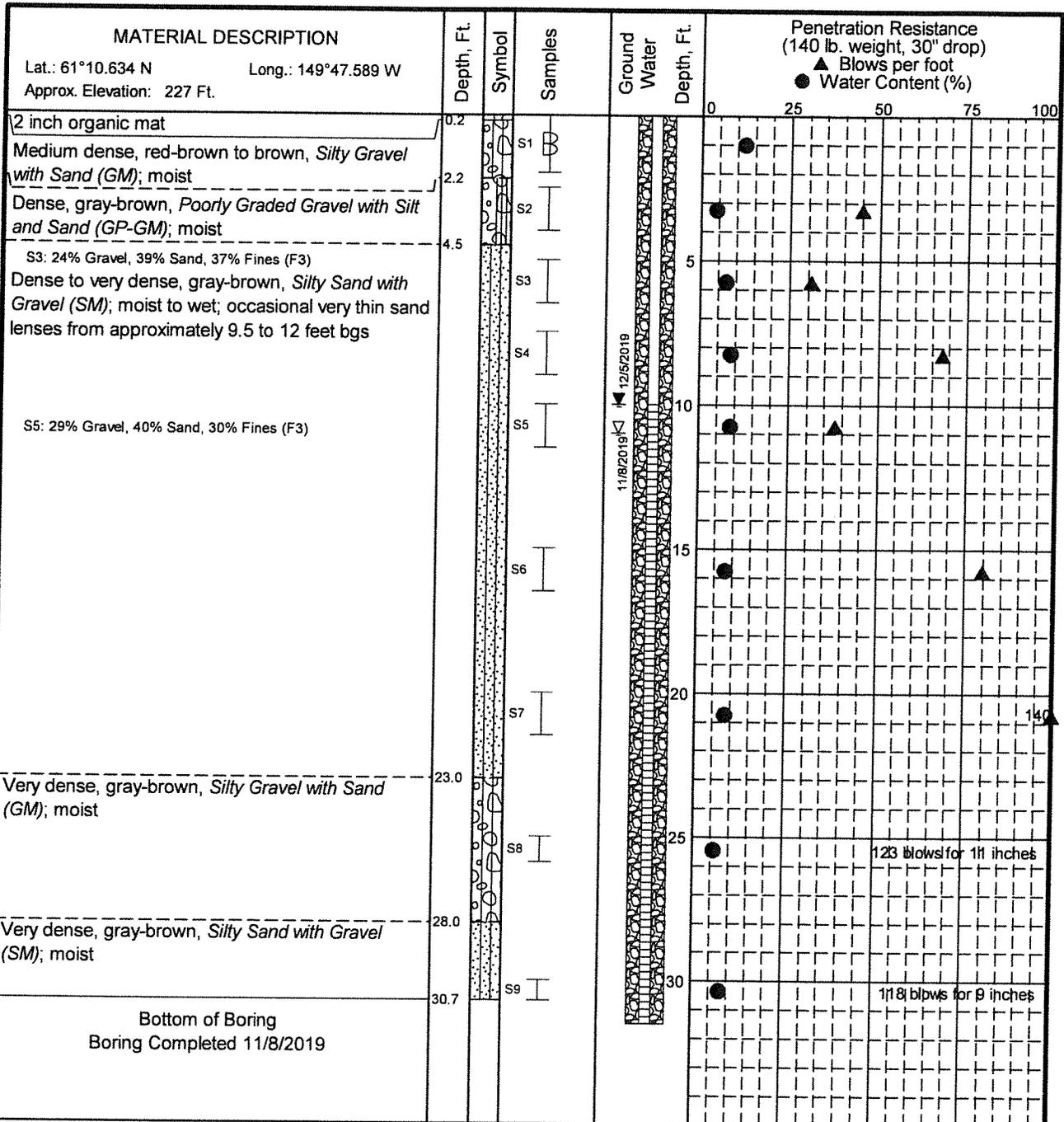
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**FIG. 7**

GEOTECHNICAL LOG\_GINT\_TEMPLATE7.GPJ S&W GEO1.GDT 1/10/20



**LEGEND**

- \* Sample Not Recovered
- ▣ Grab Sample
- ⊥ 2" O.D. Split Spoon Sample
- ▽ Ground Water Level At Time Of Drilling
- Water Content (%)
- Plastic Limit
- Liquid Limit
- Natural Water Content

**NOTES**

- The stratification lines represent the approximate boundaries between soil types, and the transition may be gradual.
- The discussion in the text of this report is necessary for a proper understanding of the nature of subsurface materials.
- Water level, if indicated above, is for the date specified and may vary.

Proposed New Tozier Track Facility  
Anchorage, Alaska

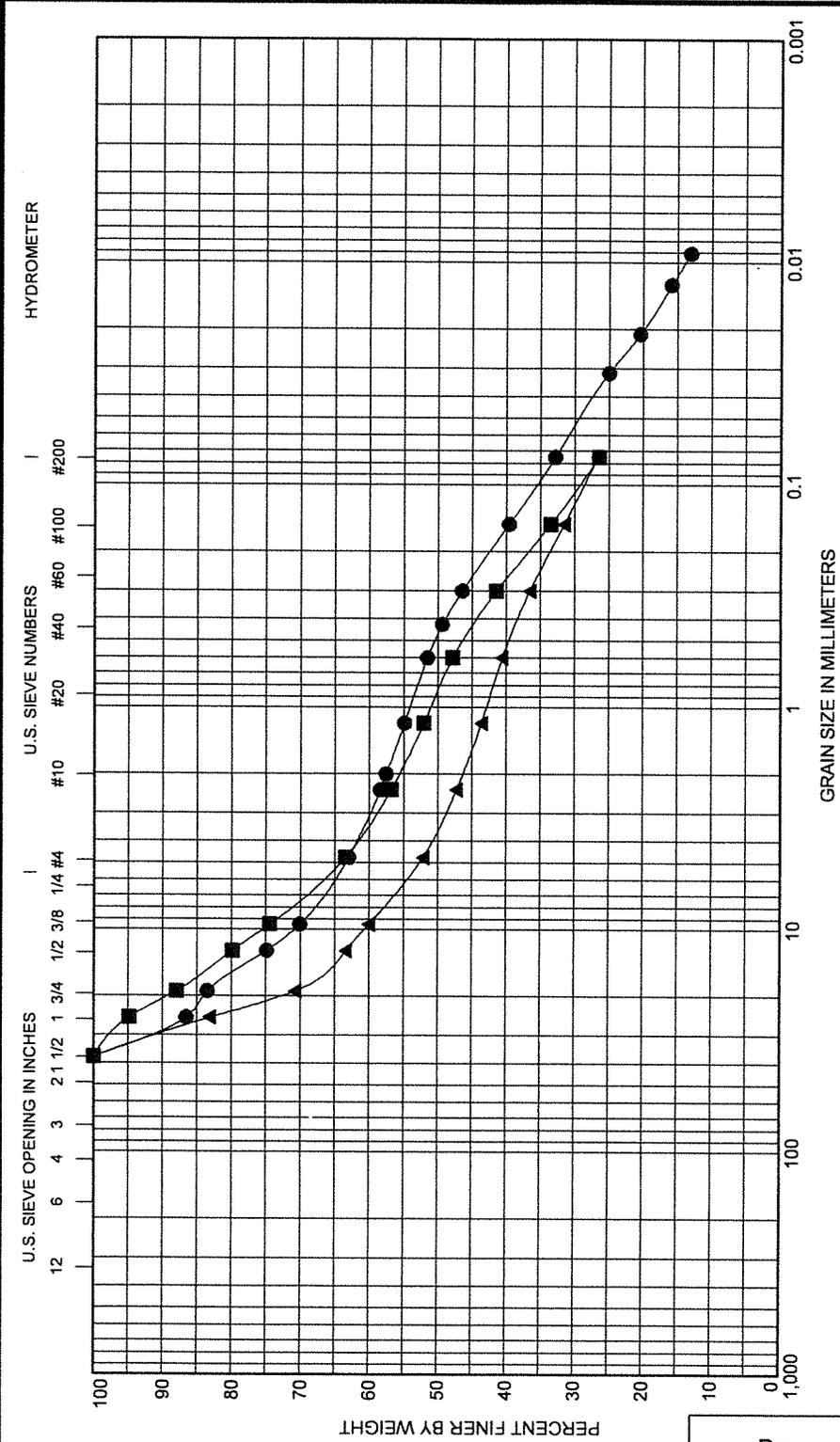
**LOG OF BORING B-4**

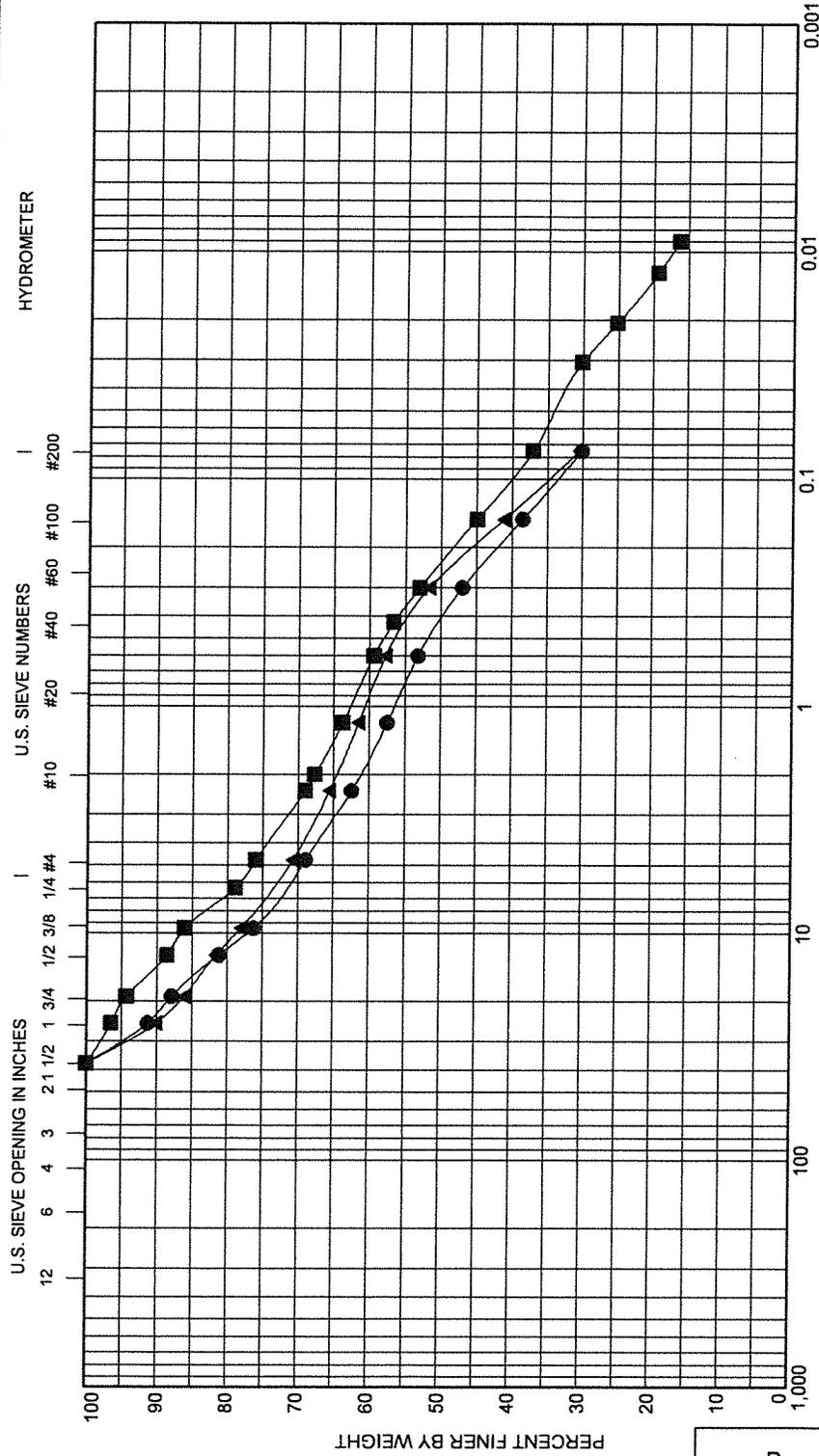
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**FIG. 8**

GEOTECHNICAL LOG - GINT TEMPLATE7.GPJ, S&W, GEO1.GDT 1/10/20





Sample	Depth, Ft	GRAVEL			SAND			SILT OR CLAY					
		coarse	fine		coarse	medium	fine	LL	PL	PI	Cc	Cu	
● B-3 S6	15.0 - 16.5	Silty Sand with Gravel (SM)											
■ B-4 S3	5.0 - 6.5	Silty Sand with Gravel (SM)											
▲ B-4 S5	10.0 - 11.5	Silty Sand with Gravel (SM)											
Sample	Depth, Ft	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay				
● B-3 S6	15.0 - 16.5	37.5	1.67			31	39		30				
■ B-4 S3	5.0 - 6.5	37.5	0.66	0.03		24	39		37				
▲ B-4 S5	10.0 - 11.5	37.5	0.9			29	40		30				

Proposed New Tozier Track Facility  
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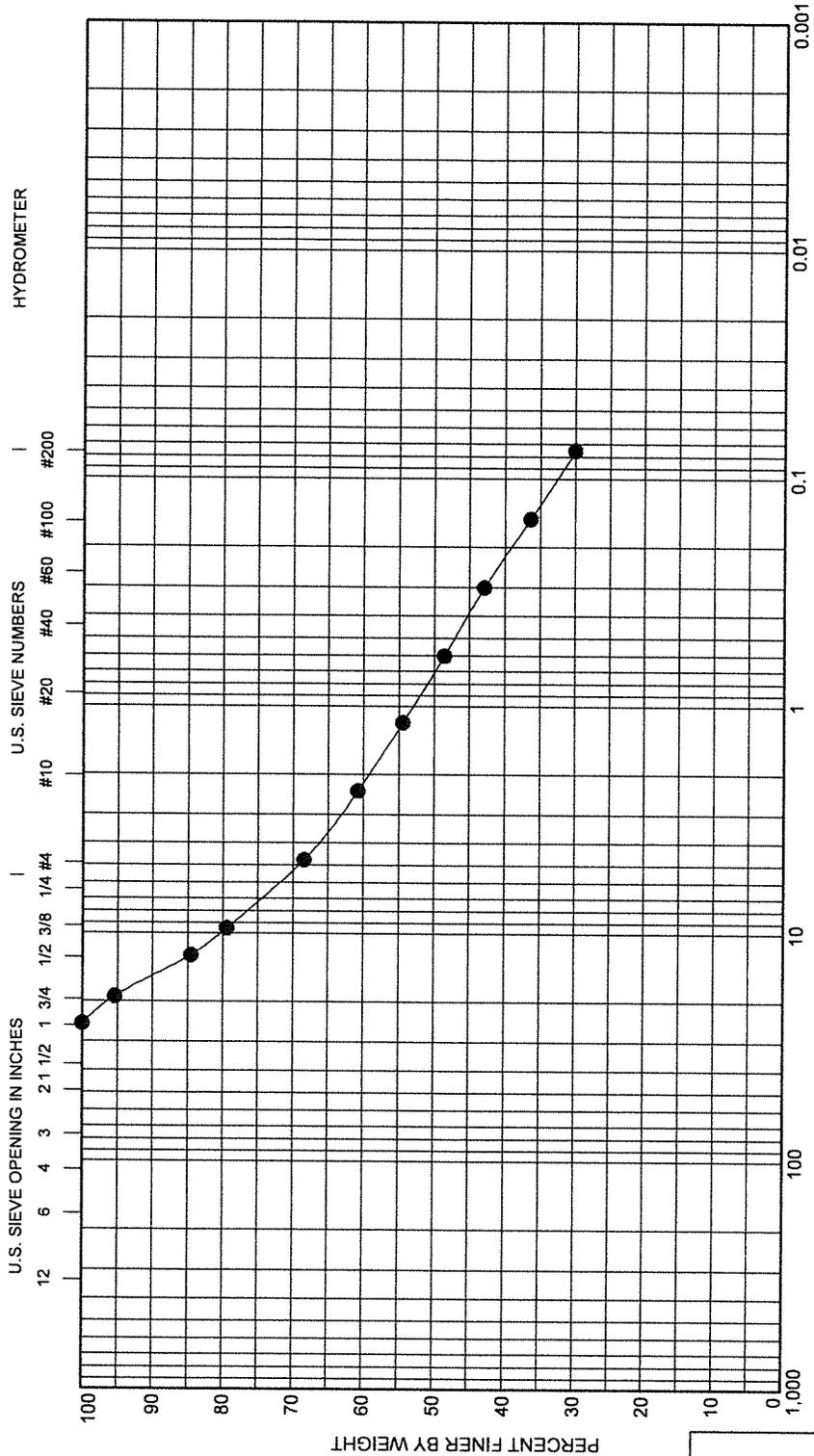
**GRAIN SIZE CLASSIFICATION**

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**FIG. 9**  
Sheet 2 of 3



COBBLES	GRAVEL		SAND			SILT OR CLAY				
	coarse	fine	coarse	medium	fine	LL	PL	PI	Cc	Cu
Sample	Classification									
Perc-1 S1	Silty Sand with Gravel (SM)									
Sample	Depth, Ft	D100	D60	D30	D10	%Sand	%Silt	%Clay		
Perc-1 S1	5.0 - 6.5	25	2.17			38	30			

Proposed New Tozier Track Facility  
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**GRAIN SIZE CLASSIFICATION**

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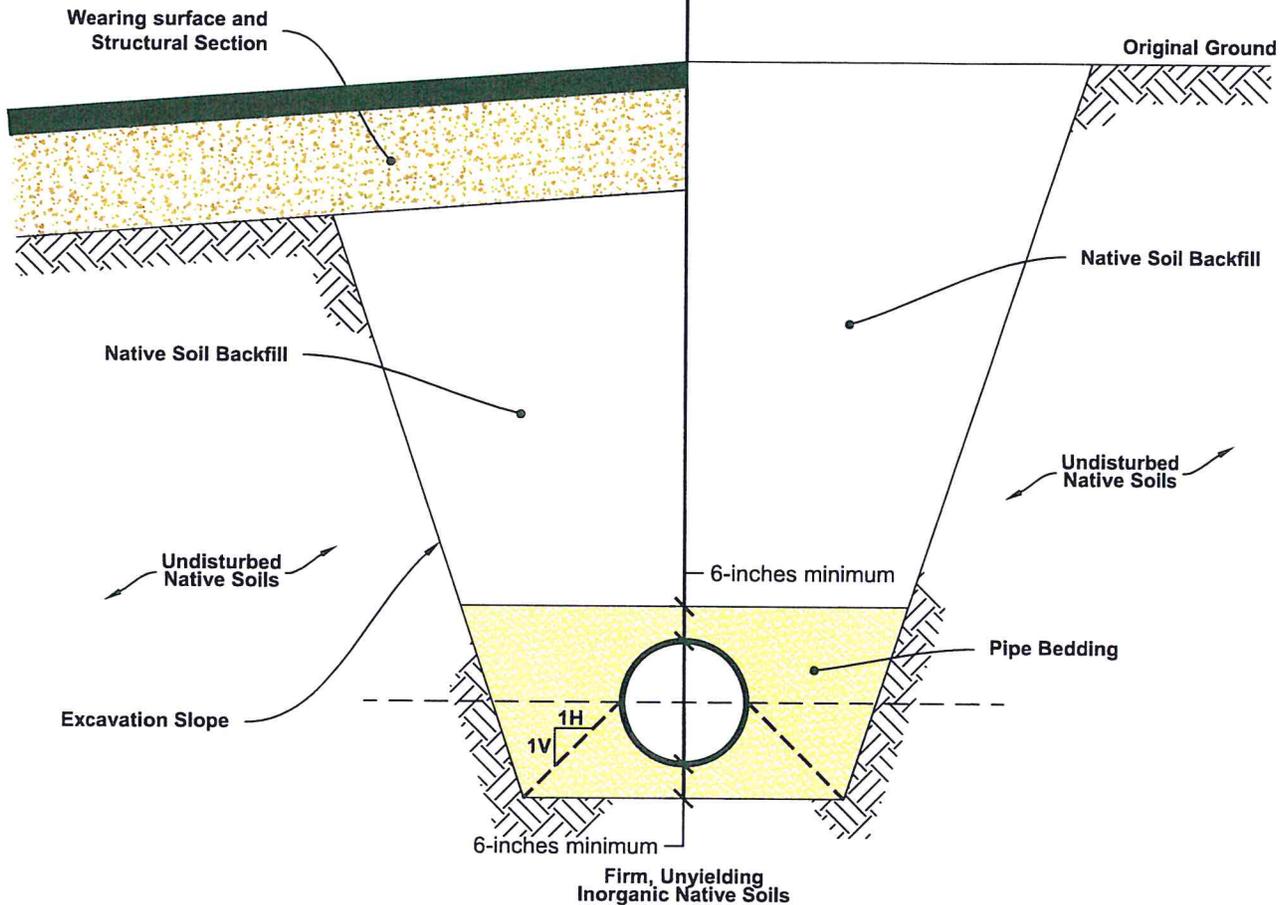


**FIG. 9**  
Sheet 3 of 3



## Trench Under Paved Areas

## Trench Under Non-Structural Areas



### NOTES

1. Trench backfill under paved areas should be placed in loose lifts not to exceed 12 inches and compacted to at least 95 percent of its maximum dry density as determined by ASTM D-1557.
2. Trench backfill under non-structural areas should be placed in loose lifts not to exceed 18 inches and compacted to at least 90 percent of its maximum dry density as determined by ASTM D-1557.
3. Pipe bedding should conform to MOA Class C bedding material or as recommended by pipe manufacturer.
4. Pipe bedding and cover thickness shown above should be used absent pipe manufacturer requirements.
5. OSHA requires slope protection and support for all trenches greater than 4 feet deep. Side slope requirements are variable depending upon soil type and the duration of time in which the trench remains open. The contractor should be made responsible for compliance to these regulations as he/she is at the project on a day to day basis, is aware of the changing conditions, and has authority to direct work.

Proposed New Tozier Track Facility  
Anchorage, Alaska

### UTILITY TRENCH DETAIL

January 2020

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FIG. 11

## GRADATION REQUIREMENTS

(Adapted from Municipality of Anchorage Standard Specifications, 2015)

### LEVELING COURSE

U.S. STANDARD SIEVE SIZE		PERCENT PASSING BY WEIGHT
English	Metric	
1 in.	25.0 mm	100
3/4 in.	19.0 mm	70 - 100
3/8 in.	9.5 mm	50 - 80
No. 4	4.75 mm	35 - 65
No. 8	2.36 mm	20 - 50
No. 50	0.30 mm	8 - 28
No. 200	0.075 mm	0 - 6*

### TYPE II BACKFILL

U.S. STANDARD SIEVE SIZE		PERCENT PASSING BY WEIGHT
8 in.	-	
3 in.	75 mm	70 - 100
1-1/2 in.	37.5 mm	55 - 100
3/4 in.	19.0 mm	45 - 85
No. 4	4.75 mm	20 - 60
No. 10	2.00 mm	12 - 50
No. 40	0.425 mm	4 - 30
No. 200	0.075 mm	2 - 6**

### TYPE IIA BACKFILL

U.S. STANDARD SIEVE SIZE		PERCENT PASSING BY WEIGHT
3 in.	75 mm	
3/4 in.	19.0 mm	50 - 100
No. 4	4.75 mm	25 - 60
No. 10	2.00 mm	15 - 50
No. 40	0.425 mm	4 - 30
No. 200	0.075 mm	2 - 6***

\* The fraction passing the No. 200 sieve shall not exceed 75 percent of the fraction passing the No. 50 sieve.

\*\* The fraction passing the No. 200 sieve shall not exceed 15 percent of the fraction passing the No. 4 sieve.

\*\*\* The fraction passing the No. 200 sieve shall not exceed 20 percent of the fraction passing the No. 4 sieve.

Proposed New Tozier Track Facility  
Anchorage, Alaska

### GRADATION REQUIREMENTS

January 2020

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**FIG. 12**

# Important Information

About Your Geotechnical/Environmental Report

IMPORTANT INFORMATION

## CONSULTING SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND FOR SPECIFIC CLIENTS.

Consultants prepare reports to meet the specific needs of specific individuals. A report prepared for a civil engineer may not be adequate for a construction contractor or even another civil engineer. Unless indicated otherwise, your consultant prepared your report expressly for you and expressly for the purposes you indicated. No one other than you should apply this report for its intended purpose without first conferring with the consultant. No party should apply this report for any purpose other than that originally contemplated without first conferring with the consultant.

## THE CONSULTANT'S REPORT IS BASED ON PROJECT-SPECIFIC FACTORS.

A geotechnical/environmental report is based on a subsurface exploration plan designed to consider a unique set of project-specific factors. Depending on the project, these may include the general nature of the structure and property involved; its size and configuration; its historical use and practice; the location of the structure on the site and its orientation; other improvements such as access roads, parking lots, and underground utilities; and the additional risk created by scope-of-service limitations imposed by the client. To help avoid costly problems, ask the consultant to evaluate how any factors that change subsequent to the date of the report may affect the recommendations. Unless your consultant indicates otherwise, your report should not be used (1) when the nature of the proposed project is changed (for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one, or chemicals are discovered on or near the site); (2) when the size, elevation, or configuration of the proposed project is altered; (3) when the location or orientation of the proposed project is modified; (4) when there is a change of ownership; or (5) for application to an adjacent site. Consultants cannot accept responsibility for problems that may occur if they are not consulted after factors that were considered in the development of the report have changed.

## SUBSURFACE CONDITIONS CAN CHANGE.

Subsurface conditions may be affected as a result of natural processes or human activity. Because a geotechnical/environmental report is based on conditions that existed at the time of subsurface exploration, construction decisions should not be based on a report whose adequacy may have been affected by time. Ask the consultant to advise if additional tests are desirable before construction starts; for example, groundwater conditions commonly vary seasonally.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes, or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical/environmental report. The consultant should be kept apprised of any such events and should be consulted to determine if additional tests are necessary.

## MOST RECOMMENDATIONS ARE PROFESSIONAL JUDGMENTS.

Site exploration and testing identifies actual surface and subsurface conditions only at those points where samples are taken. The data were extrapolated by your consultant, who then applied judgment to render an opinion about overall subsurface conditions. The actual interface between materials may be far more gradual or abrupt than your report indicates. Actual conditions in areas not sampled may differ from those predicted in your report. While nothing can be done to prevent such situations, you and your consultant can work together to help reduce their impacts. Retaining

your consultant to observe subsurface construction operations can be particularly beneficial in this respect.

#### A REPORT'S CONCLUSIONS ARE PRELIMINARY.

The conclusions contained in your consultant's report are preliminary, because they must be based on the assumption that conditions revealed through selective exploratory sampling are indicative of actual conditions throughout a site. Actual subsurface conditions can be discerned only during earthwork; therefore, you should retain your consultant to observe actual conditions and to provide conclusions. Only the consultant who prepared the report is fully familiar with the background information needed to determine whether or not the report's recommendations based on those conclusions are valid and whether or not the contractor is abiding by applicable recommendations. The consultant who developed your report cannot assume responsibility or liability for the adequacy of the report's recommendations if another party is retained to observe construction.

#### THE CONSULTANT'S REPORT IS SUBJECT TO MISINTERPRETATION.

Costly problems can occur when other design professionals develop their plans based on misinterpretation of a geotechnical/environmental report. To help avoid these problems, the consultant should be retained to work with other project design professionals to explain relevant geotechnical, geological, hydrogeological, and environmental findings, and to review the adequacy of their plans and specifications relative to these issues.

#### BORING LOGS AND/OR MONITORING WELL DATA SHOULD NOT BE SEPARATED FROM THE REPORT.

Final boring logs developed by the consultant are based upon interpretation of field logs (assembled by site personnel), field test results, and laboratory and/or office evaluation of field samples and data. Only final boring logs and data are customarily included in geotechnical/environmental reports. These final logs should not, under any circumstances, be redrawn for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process.

To reduce the likelihood of boring log or monitoring well misinterpretation, contractors should be given ready access to the complete geotechnical engineering/environmental report prepared or authorized for their use. If access is provided only to the report prepared for you, you should advise contractors of the report's limitations, assuming that a contractor was not one of the specific persons for whom the report was prepared, and that developing construction cost estimates was not one of the specific purposes for which it was prepared. While a contractor may gain important knowledge from a report prepared for another party, the contractor should discuss the report with your consultant and perform the additional or alternative work believed necessary to obtain the data specifically appropriate for construction cost estimating purposes. Some clients hold the mistaken impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes that aggravate them to a disproportionate scale.

#### READ RESPONSIBILITY CLAUSES CLOSELY.

Because geotechnical/environmental engineering is based extensively on judgment and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims

being lodged against consultants. To help prevent this problem, consultants have developed a number of clauses for use in their contracts, reports, and other documents. These responsibility clauses are not exculpatory clauses designed to transfer the consultant's liabilities to other parties; rather, they are definitive clauses that identify where the consultant's responsibilities begin and end. Their use helps all parties involved recognize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your report, and you are encouraged to read them closely. Your consultant will be pleased to give full and frank answers to your questions.

**The preceding paragraphs are based on information provided by the ASFE/Association of Engineering Firms Practicing in the Geosciences, Silver Spring, Maryland**

IMPORTANT INFORMATION

**CERTIFICATE OF OWNERSHIP AND DEDICATION**

I (WE) HEREBY CERTIFY THAT I (WE) HOLD THE HEREIN SPECIFIED PROPERTY INTEREST IN THE PROPERTY SHOWN AND DESCRIBED HEREON. I (WE) HEREBY DEDICATE TO THE MUNICIPALITY ALL AREAS DEPICTED FOR USE AS PUBLIC UTILITY EASEMENTS, STREETS, ALLEYS, THOROUGHFARES, PARKS, AND OTHER PUBLIC AREAS SHOWN HEREON. THERE SHALL BE RESERVED ADJACENT TO THE STREETS SHOWN HEREON A SLOPE RESERVATION EASEMENT SUFFICIENT TO CONTAIN CUT AND FILL SLOPES OF 1.5 FEET HORIZONTAL FOR EACH 1 FOOT VERTICAL (1.5 TO 1) OF CUT OR FILL FOR THE PURPOSE OF PROVIDING AND MAINTAINING THE LATERAL SUPPORT OF THE CONSTRUCTED STREETS. THERE IS RESERVED TO THE GRANTORS, THEIR HEIRS, SUCCESSORS AND ASSIGNS, THE RIGHT TO USE SUCH AREAS AT ANY TIME UPON PROVIDING AND MAINTAINING OTHER ADEQUATE LATERAL SUPPORT, AS APPROVED BY THE MUNICIPALITY.

I (WE) HEREBY AGREE TO THIS PLAT, AND TO ANY RESTRICTION OR COVENANT APPEARING HEREON AND ANY SUCH RESTRICTION OR COVENANT SHALL BE BINDING AND ENFORCEABLE AGAINST PRESENT AND SUCCESSIVE OWNERS OF THIS SUBDIVIDED PROPERTY.

**OWNER:**

MUNICIPALITY OF ANCHORAGE  
P.O. BOX 196650  
ANCHORAGE, ALASKA 99519-6650

By *Michael K. Abbott*  
SIGNATURE  
Municipal Manager  
MICHAEL K. ABBOTT  
PRINTED NAME

MUNICIPAL MANAGER  
TITLE

**NOTARY ACKNOWLEDGMENT**

SUBSCRIBED AND SWORN TO BEFORE ME THIS 12<sup>th</sup> DAY OF FEBRUARY, 2010, PURSUANT TO ITS BY-LAWS OR A RESOLUTION OF ITS BOARD OF DIRECTORS.

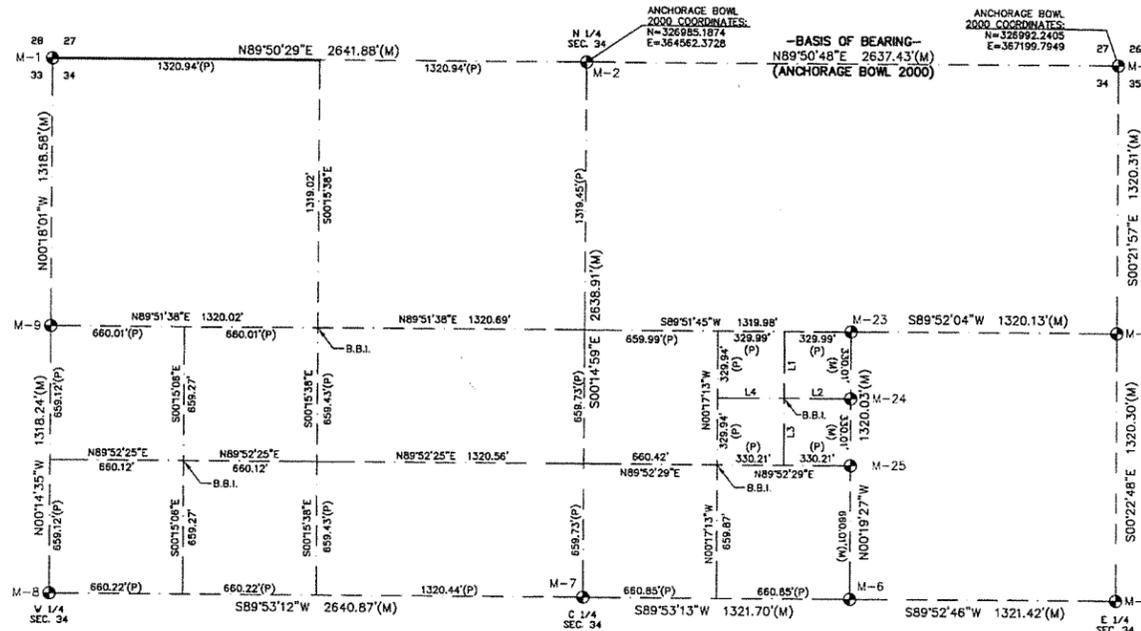
MICHAEL K. ABBOTT  
PERSONALLY APPEARED

*John F. Todd*  
NOTARY PUBLIC

5/26/2010  
MY COMMISSION EXPIRES



# TUDOR MUNICIPAL CAMPUS



SECTION BREAKDOWN CONTROL DIAGRAM  
N1/2 OF SECTION 34, TOWNSHIP 13 NORTH, RANGE 3 WEST, SEWARD MERIDIAN, ALASKA  
(SCALE: 1"=400')

LINE	BEARING	LENGTH
L1	S007°18'20"E	329.97
L2	S89°52'07"W	330.10'
L3	S007°18'20"E	329.97
L4	S89°52'07"W	330.10'

**NOTES**

- ALL FEDERAL AND STATE EASEMENTS/PERMITS/LICENSES REFERENCED BY CASE NUMBERS, AND ALL EASEMENTS REFERENCED BY BOOK AND PAGE NUMBERS OR SERIAL NUMBERS WERE CREATED BY DOCUMENTS, AND ARE NOT DEDICATED BY THIS PLAT. DIMENSIONS AND BOUNDARY TIES SHOWN ON THIS PLAT FOR NON-PLATTED EASEMENTS, PERMITS, AND LICENSES SHOULD ONLY BE USED FOR GENERAL INFORMATION. DOCUMENTS THAT CREATED THE EASEMENTS, PERMITS, AND LICENSES SHALL GOVERN THE LOCATION, CONTENT, AND INTENT.
- STREET RIGHT-OF-WAY WIDTHS SHOWN TO THE NEAREST FOOT REPRESENT ACTUAL DIMENSIONS TO THE NEAREST HUNDREDTH OF A FOOT (I.E. 30'=30.00').
- THE DEVELOPMENT OF THIS SUBDIVISION MAY REQUIRE THE COLLECTION AND TREATMENT OF SURFACE WATER RUNOFF. ANY SURFACE WATER RUNOFF COLLECTION AND TREATMENT SYSTEM WILL REQUIRE THE SUBMITTAL AND APPROVAL OF ENGINEERING PLANS TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION OR ITS AUTHORIZED AGENCY.
- BUFFER LANDSCAPING MEETING THE REQUIREMENTS OF AMC 21.45.125.C.2 SHALL BE INSTALLED AND MAINTAINED WITHIN THE BUFFER LANDSCAPE EASEMENT BY THE PROPERTY OWNER OR HIS DESIGNEE.
- PRIOR TO ANY DISTURBANCE WITHIN WETLANDS, AUTHORIZATION IS REQUIRED FROM THE U.S. ARMY CORPS OF ENGINEERS-REGULATORY BRANCH (COE). ACTIVITIES REQUIRING AUTHORIZATION INCLUDE, BUT ARE NOT LIMITED TO CLEARING, GRUBBING, EXCAVATION, GRADING OR PLACEMENT OF FILL.
- THE NORTH FORK OF CAMPBELL CREEK, DEPICTED ON THIS PLAT, (ITS LOCATION DETERMINED FROM THE M.O.A. G.I.S. DATABASE) IS SUBJECT TO A 100-FOOT WIDE STREAM PROTECTION SETBACK MEASURED LANDWARD FROM THE ORDINARY HIGH WATER MARK ON EACH SIDE OF ITS BANKS IN CONFORMANCE WITH THE ANCHORAGE MUNICIPAL CODE (AMC) 21.45.210 AND THE ANCHORAGE WETLAND MANAGEMENT PLAN.
- WITHIN THE TUDOR CENTRE DRIVE RIGHT-OF-WAY, A 250-FOOT WIDE TRAIL CORRIDOR SHALL BE ACCOMMODATED IN ACCORDANCE WITH THE 3500 TUDOR ROAD MASTER PLAN ADOPTED BY AO. 2007-11B.
- TRACTS 5, 6 AND 7 CONTAIN PORTIONS OF THE CAMPBELL CREEK GREENBELT TRAIL, OLD RONDY TRAIL, AND/OR ALASKA SLED DOG RACING (MUSHING) TRAILS. THE EXISTENCE AND CONTINUITY OF THE TRAILS SHALL BE MAINTAINED WITH ANY FUTURE DEVELOPMENT OF THE TRACTS. RELOCATION OF THESE TRAILS IS PERMITTED, SUBJECT TO REVIEW BY THE MOA PARKS AND RECREATION DEPARTMENT.
- ACCESS FROM TRACT 2 TO TUDOR CENTRE DRIVE IS PROHIBITED.
- AREAS BEING PLATTED ARE SUBJECT TO EXISTING CEA RIGHTS GRANTED BY BLM ROW A-029894, BLM AA-8319, BLM ROW AA-16161, FCC PROJECT 2170 AND DNR ADL 22654.

- CEA HAS EXISTING ELECTRIC FACILITIES INSTALLED WITHIN THE AREA ON THE NORTH SIDE OF TRACT 4 BEING DEDICATED AS A VEGETATION BUFFER EASEMENT. CEA'S USE OF ITS EASEMENT AREA PREDATES ANY RESTRICTIONS IMPOSED BY THE VEGETATION BUFFER EASEMENT, AND WRITTEN APPROVAL MUST BE OBTAINED FROM CEA BEFORE ANY LANDSCAPING CHANGES OR CHANGES IN GRADE MAY BE DONE. LANDSCAPING WITHIN THE EASEMENT AREA IS SUBJECT TO CEA'S RIGHT TO CUT, TRIM, REMOVE AND CONTROL GROWTH OF TREES, SHRUBS AND OTHER VEGETATION WHICH MAY INTERFERE WITH PROPER INSTALLATION, FUNCTION AND MAINTENANCE OF CEA'S FACILITIES. CEA WILL NOT REPLACE NOR BE RESPONSIBLE FOR DAMAGED LANDSCAPING LOCATED IN THE ELECTRIC EASEMENT AREA.
- THIS PROPERTY IS SUBJECT TO AN INTRAGOVERNMENTAL RIGHT-OF-WAY PERMIT FOR A PUBLIC STREET/WALKWAY/TRAIL, BEING A BLANKET EASEMENT APPROXIMATELY 450 FEET IN LENGTH AND APPROXIMATELY 34 FEET WIDE, AFFECTING TRACT 1, THIS PLAT PER SERIAL NO. 2006-035868-0.
- REFERENCE DEEDS:**
  - UNITED STATES PATENT NO. 50-80-0073.
  - STATE OF ALASKA PATENT NO. 6258.
  - STATE OF ALASKA PATENT NO. 6792.
  - STATE OF ALASKA PATENT NO. 15816.
- PLATTED EASEMENTS VACATED BY THIS PLAT:**
  - 50' IN WIDTH TRAIL EASEMENT PER PLAT NO. 98-115.
- ALL LOTS WITHIN THE SUBDIVISION SHALL CONFORM TO THE DRAINAGE PATTERNS SHOWN ON THE GRADING AND DRAINAGE PLAN APPROVED BY THE MUNICIPALITY OF ANCHORAGE, AS APPLICABLE.
- THE PROPERTY OWNER SHALL NOT RAISE, LOWER, OR RE-GRADE THE PROPERTY IN A MANNER THAT WILL ALTER THE DRAINAGE PATTERNS FROM THOSE SHOWN ON THE APPROVED GRADING AND DRAINAGE PLAN WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OF ANCHORAGE BUILDING SAFETY OFFICE.
- PROPERTY OWNERS SHALL NOT OBSTRUCT, IMPEDE OR ALTER APPROVED DRAINAGE FACILITIES (E.G. SWALES, DITCHES) IN ANY WAY THAT WILL ADVERSELY IMPACT ADJACENT PROPERTIES OR RIGHTS OF WAY.
- DOCUMENTS FOR INTERGOVERNMENTAL USE PERMITS RECORDED AS SERIAL NUMBERS 2007-051107-0, 2007-051108-0, 2007-051109-0, 2007-051110-0, 2007-051111-0, AND 2007-051112-0 CONTAIN THE FOLLOWING NOTE:  
"NO FIELD SURVEY WAS PERFORMED AS A PART OF PREPARING THIS EXHIBIT. THE LOCATION OF THE PROPERTY BOUNDARIES SHOWN IS APPROXIMATE."

**LEGEND**

- FOUND MONUMENT AS DESCRIBED. SEE MONUMENT DESCRIPTION DETAILS ON SHEET 4 OF 4.
- COMPUTED POINT - NOTHING SET THIS SURVEY.
- ⊙ SET A 3-1/4" DIA. ALUMINUM CAP ON A 2-1/2" DIA. x 30" ALUMINUM PIPE FLUSH WITH GRADE, WITH DEEP-1 MAGNETS INSERTED WITHIN. SEE MONUMENT DESCRIPTION DETAILS ON SHEET 4 OF 4.
- REMAINING CORNERS ARE SET WITH 2" DIA. ALUMINUM CAPS ON 5/8" DIA. x 30" REBARS, FLUSH WITH GRADE, OR, IF IN CONCRETE, SET 2" DIA. x 2" STEM, BRASS TABLETS, FLUSH WITH TOP OF CONCRETE, WITH DEEP-1 MAGNETS INSERTED WITHIN. TYPICALLY STAMPED:
- B.B.I. BEARING-BEARING INTERSECTION
- (C) COMPUTED
- (H) HELD
- (M) MEASURED
- (P) PROPORTIONED
- (NR) NON-RADIAL
- (NT) NON-TANGENT
- (DTP) DEDICATED THIS PLAT
- (R1) RECORD INFORMATION PER PLAT NO. 96-145.
- (R2) RECORD INFORMATION PER PLAT NO. 2004-59.
- (R3) RECORD INFORMATION PER PLAT NO. 99-50.
- (R4) RECORD INFORMATION PER PLAT NO. 98-115.
- (R5) RECORD INFORMATION PER PLAT NO. 87-15.
- F.H. FIRE HYDRANT
- I.G.P. INTRA-GOVERNMENTAL USE PERMIT
- I.G.R.P. INTRA-GOVERNMENTAL RIGHT-OF-WAY PERMIT
- P.U.E. PUBLIC USE EASEMENT
- R.O.W. RIGHT-OF-WAY
- M-1 MONUMENT REFERENCE NUMBER TO DESCRIPTION DETAILS ON SHEET 4 OF 4.
- SN SERIAL NUMBER
- T&E TELECOMMUNICATIONS AND ELECTRIC.
- C.E.A. CHUGACH ELECTRIC ASSOCIATION
- APPROXIMATE CLASS "A" WETLANDS AREA.

**APPROVALS**  
*JWH*  
 PLATTING OFFICER  
 2/19/09  
 DATE  
*Thomas W. Kopf*  
 MUNICIPAL SURVEYOR  
 2/5/09  
 DATE

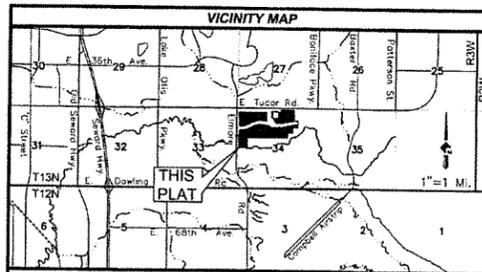
**TAX CERTIFICATION**  
 ALL REAL PROPERTY TAXES LEVIED BY THE MUNICIPALITY OF ANCHORAGE ON THE AREA SHOWN ON THIS PLAT HAVE BEEN PAID IN FULL. IF APPROVAL IS SOUGHT BETWEEN JANUARY 1 AND THE TAX DUE DATE, THERE IS ON DEPOSIT WITH THE CHIEF FISCAL OFFICER, AN AMOUNT SUFFICIENT TO PAY ESTIMATED REAL PROPERTY TAX FOR THE CURRENT YEAR.

2/10/09  
 DATE  
*Janet Haynes*  
 AUTHORIZED OFFICIAL

**PLAT APPROVAL**  
 PLAT APPROVED BY THE MUNICIPAL PLATTING AUTHORITY THIS 17<sup>th</sup> DAY OF FEBRUARY, 2010.  
*Janet Haynes*  
 AUTHORIZED OFFICIAL

**ACCEPTANCE OF DEDICATION**  
 THE MUNICIPALITY OF ANCHORAGE HEREBY ACCEPTS FOR PUBLIC USES AND FOR PUBLIC PURPOSES THE REAL PROPERTY DEDICATED ON THIS PLAT, INCLUDING BUT NOT LIMITED TO THE EASEMENTS, RIGHTS OF WAY, ALLEYS, ROADWAYS, THOROUGHFARES AND PARKS SHOWN HEREON.

DATED AT ANCHORAGE, ALASKA, THIS 9<sup>th</sup> DAY OF Feb., 2010.  
*Deputy*  
 MUNICIPAL CLERK  
*J. P. Nelson*  
 MAYOR OF ANCHORAGE



LOCATED WITHIN THE N 1/2, SEC. 34, T13N, R3W, S.M. AK

PLAT OF  
**TUDOR MUNICIPAL CAMPUS**  
 TRACTS 1-7  
 (WITH EASEMENT VACATION)  
 A 151.570 ACRE RESUBDIVISION OF

TRACT B, BICENTENNIAL PARK SUBDIVISION, PLAT 87-15;  
 TRACT A-1, BICENTENNIAL PARK SUBDIVISION, PLAT 98-115;  
 TRACT A, EAST ANCHORAGE BALLFIELDS SUBDIVISION, PLAT 99-50;  
 TRACT A, ALASKA STATE LAND SURVEY NO. 86-63, PLAT 96-145;  
 TRACT C, ALASKA STATE LAND SURVEY NO. 2002-34, PLAT 2004-59;  
 AND  
 THE E1/2 OF THE E1/2 OF THE NW1/4 OF SW1/4 OF THE NE1/4;  
 THE W1/2 OF THE NW1/4 OF THE NE1/4 EXCEPTING THEREFROM  
 THE EAST TUDOR RIGHT-OF-WAY;  
 THE NW1/4 OF THE NE1/4 OF THE SW1/4 OF THE NE1/4; AND  
 THE NW1/4 OF THE SE1/4 OF THE NW1/4;  
 SECTION 34, TOWNSHIP 13 NORTH, RANGE 3 WEST,  
 SEWARD MERIDIAN, ALASKA.

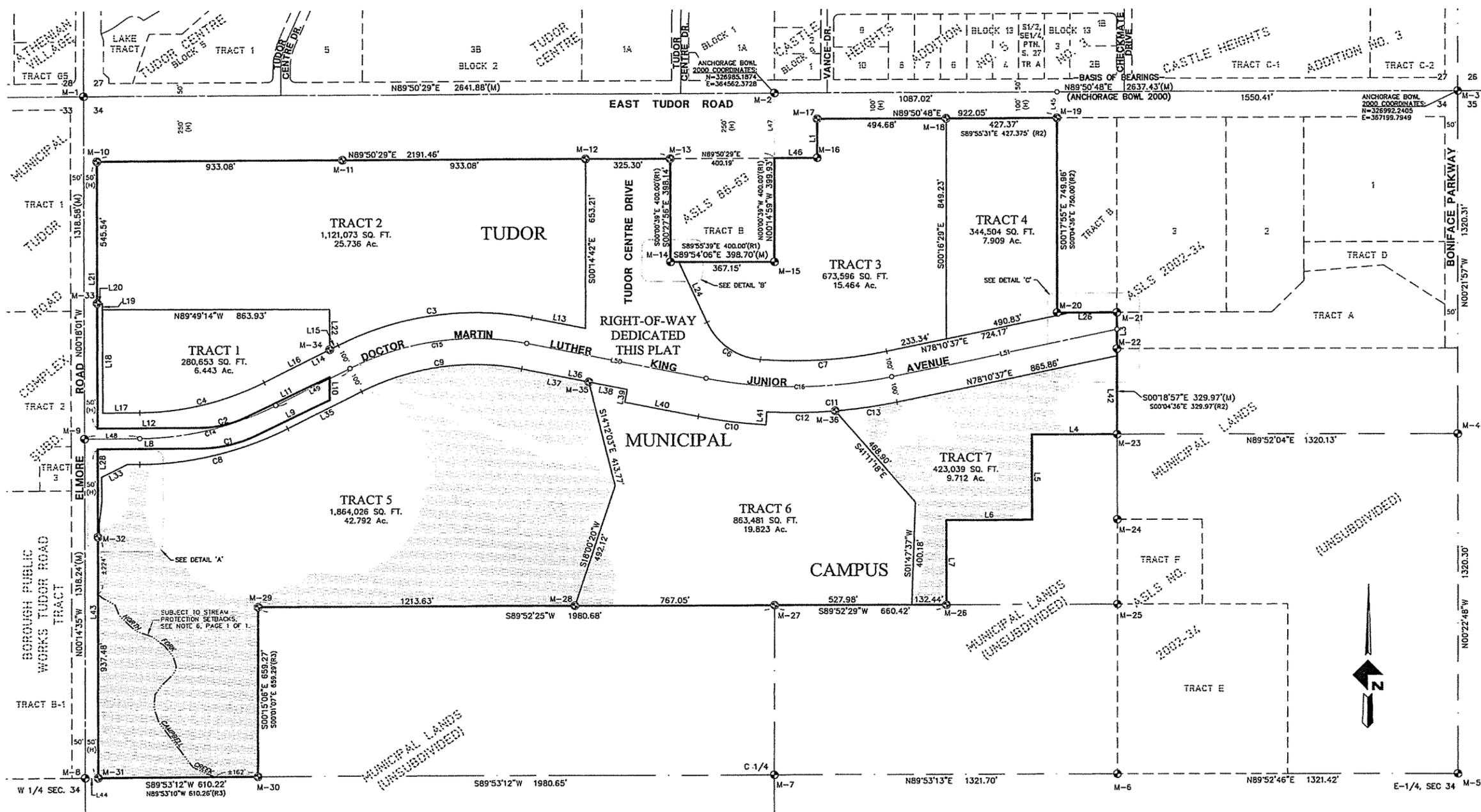
ANCHORAGE RECORDING DISTRICT,  
 THIRD JUDICIAL DISTRICT, STATE OF ALASKA.

**DOWL HKM**  
 4041 B STREET, ANCHORAGE, ALASKA 99503 PH: (907) 552-2000 FAX: (907) 563-3063

DWN: LFD	CHK: KET	W.O. D59344	DOWL FILE NO:
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DRAWN: FEB-05-2009	SURVEYED: NOV-DEC 2007		<b>SHEET</b>
C-P: PNT NO. 00087499	MOA CASE FILE: S-11678-1		1 OF 4

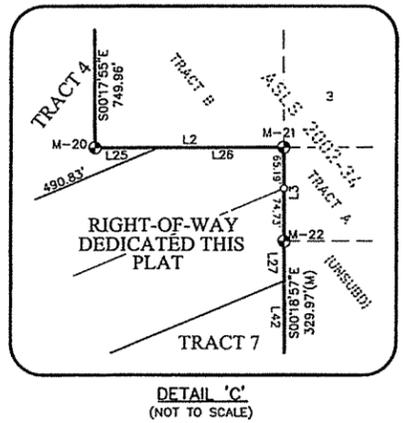
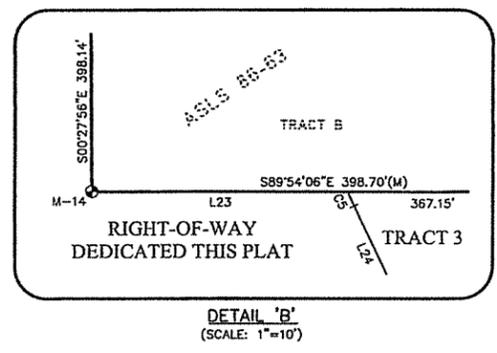
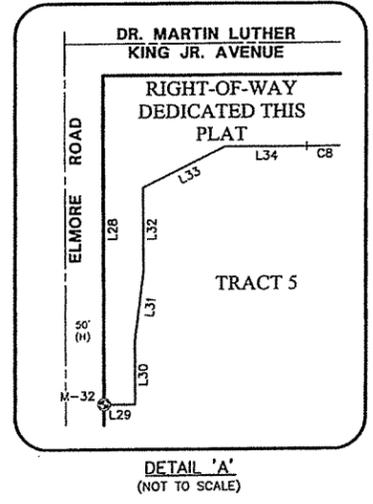
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ANCHORAGE RECORDING DISTRICT PL 2009-110



LINE	BEARING	LENGTH
L1	S0015'50"E	150.00'
L2	(M) N89°50'19"E	231.90'
	(R2) N89°55'31"W	232.00'
L3	(M) S0019'54"E	139.92'
	(R2) N0004'36"W	139.90'
L4	S89°51'45"W	329.99'
L5	N0018'20"W	329.97'
L6	S89°52'07"W	330.10'
L7	S0017'13"E	329.94'
L8	N89°51'38"E	391.90'
	S89°54'45"E	391.84'
L9	S64°00'27"W	310.30'
	S64°15'33"W	310.81'
L10	(R3) N0018'44"W	88.77'
	N0003'55"W	88.76'
L11	(R4) S64°00'27"W	348.77'
	S64°15'48"W	349.08'
L12	(R5) N89°51'38"E	392.08'
	S89°54'30"E	391.83'
L13	S78°55'09"E	210.17'
L14	S63°02'13"W	315.00'
L15	N63°02'13"E	36.45'
L16	N63°02'13"E	278.55'
L17	N89°51'22"E	140.96'
L18	N0018'01"W	398.14'
L19	N0018'01"W	24.96'
L20	N89°41'59"E	20.00'
L21	N0018'01"W	1028.60'
	(R4) N0004'08"W	1028.62'
L22	S0018'44"E	154.65'
L23	N89°54'06"W	31.55'
L24	N24°58'05"W	254.94'
L25	N89°50'19"E	53.20'
L26	N89°50'19"E	178.70'
L27	S0018'57"E	27.31'
L28	N0014'35"W	340.79'
L29	N89°45'25"E	5.00'
L30	N0014'35"W	53.89'
L31	N06°52'55"E	82.64'
L32	N0014'35"W	97.23'
L33	N63°16'34"E	106.47'
L34	N89°51'22"E	49.97'
L35	N63°02'13"E	315.00'
L36	S78°55'09"E	413.82'
L37	S78°55'09"E	263.39'
L38	S78°55'09"E	150.43'
L39	S11°04'51"W	50.00'
L40	S78°55'09"E	287.67'
L41	N03°22'02"E	50.00'
L42	S0018'57"E	302.66'
L43	N0014'35"W	1278.27'
	(R3) N0000'31"W	1278.32'
L44	(TR) N89°53'12"E	50.00'
L45	(TR) N00°09'12"W	100.00'
L46	N89°50'48"E	164.84'
	(R1) N89°53'1"W	164.89'
L47	(TR) N0014'59"W	250.00'
L48	N89°51'22"E	210.69'
L49	N63°02'13"E	315.00'
L50	S78°55'09"E	701.49'
L51	N78°10'37"E	886.19'

CURVE	DELTA	RADIUS	LENGTH	CHORD	CHORD BEARING
C1	25°51'11"	486.99'	219.74'	217.88'	N76°56'02"E
	(R3) 25°49'42"	486.99'	219.53'	217.68'	N77°02'24"E
C2	25°51'11"	406.99'	183.64'	182.09'	N76°56'02"E
	(R5) 25°49'42"	406.99'	183.46'	183.46'	
C3	38°02'38"	1150.00'	763.59'	749.64'	S82°03'32"W
C4	26°49'09"	1050.00'	491.49'	487.01'	N76°26'47"E
C5	00°18'39"	360.00'	1.95'	1.95'	S24°48'46"E
C6	60°25'20"	250.00'	263.64'	251.59'	S55°10'45"E
C7	16°25'58"	1700.00'	487.57'	485.90'	N86°23'36"E
C8	26°49'09"	1250.00'	585.10'	579.78'	N76°26'47"E
C9	38°02'38"	950.00'	630.79'	619.27'	S82°03'32"W
C10	7°42'49"	1950.00'	262.52'	262.33'	S82°46'34"E
C11	15°11'25"	1900.00'	503.73'	502.25'	N85°46'19"E
C12	7°59'16"	1900.00'	264.89'	264.67'	N89°22'24"E
C13	7°12'09"	1900.00'	238.84'	238.69'	N81°46'41"E
CENTERLINE OF DR. MARTIN LUTHER KING JR. AVE					
C14	26°49'09"	1150.00'	538.30'	533.40'	N76°26'47"E
C15	38°02'38"	1050.00'	687.19'	684.45'	S82°03'32"W
C16	22°54'14"	1800.00'	719.55'	714.77'	N89°37'44"E



PLAT OF  
**TUDOR MUNICIPAL CAMPUS**  
TRACTS 1-7  
(WITH EASEMENT VACATION)

A 151.570 ACRE RESUBDIVISION OF

TRACT B, BICENTENNIAL PARK SUBDIVISION, PLAT 87-15;  
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AND

THE E1/2 OF THE E1/2 OF THE NW1/4 OF SW1/4 OF THE NE1/4;  
THE W1/4 OF THE NW1/4 OF THE NE1/4 EXCEPTING THEREFROM  
THE EAST TUDOR RIGHT-OF-WAY;  
THE NW1/4 OF THE NE1/4 OF THE SW1/4 OF THE NE1/4; AND  
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SECTION 34, TOWNSHIP 13 NORTH, RANGE 3 WEST,  
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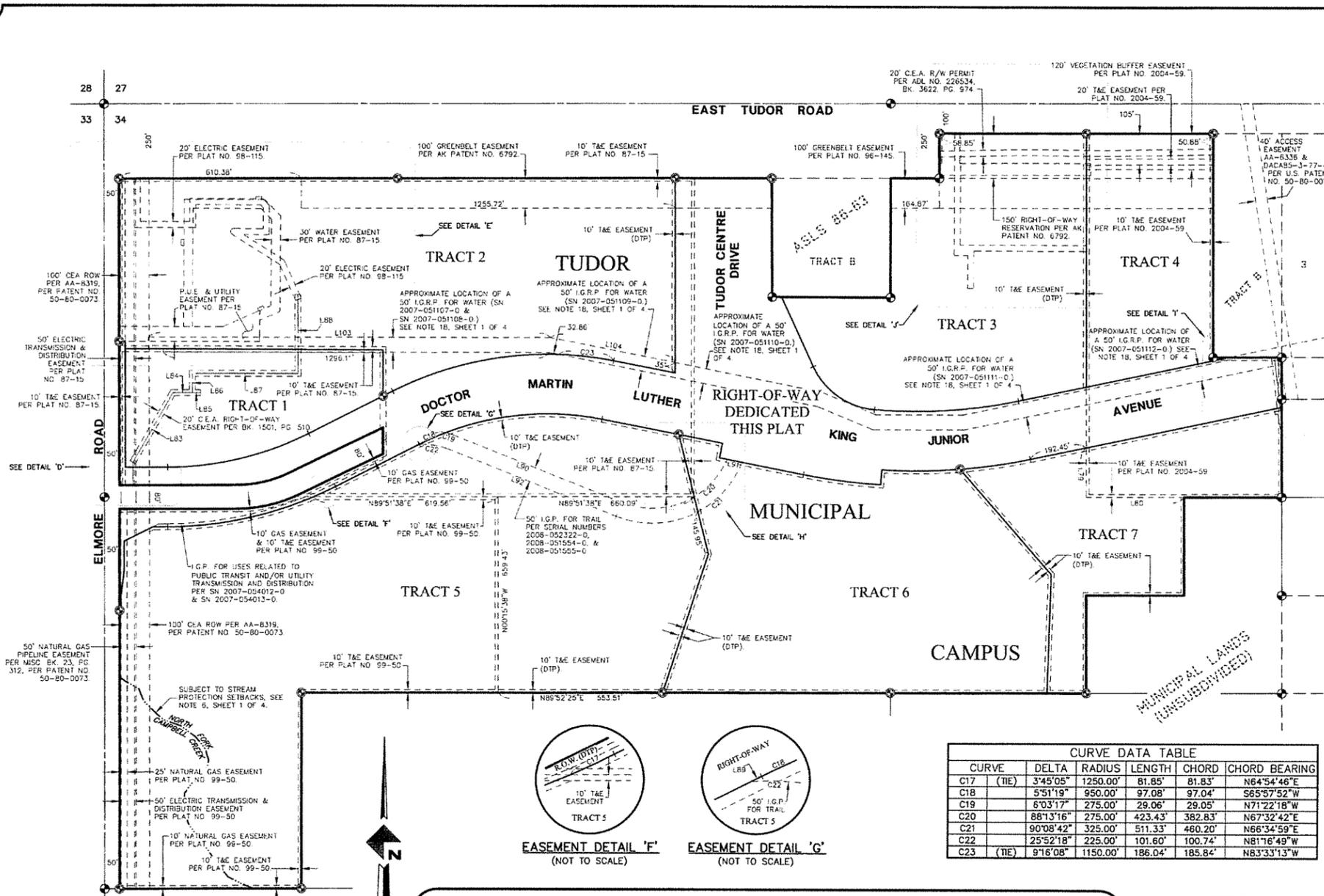
ANCHORAGE RECORDING DISTRICT,  
THIRD JUDICIAL DISTRICT, STATE OF ALASKA.

**DOWL HKM**  
4041 B STREET, ANCHORAGE, ALASKA 99503 PH. (907) 562-2000 FAX (907) 563-3953

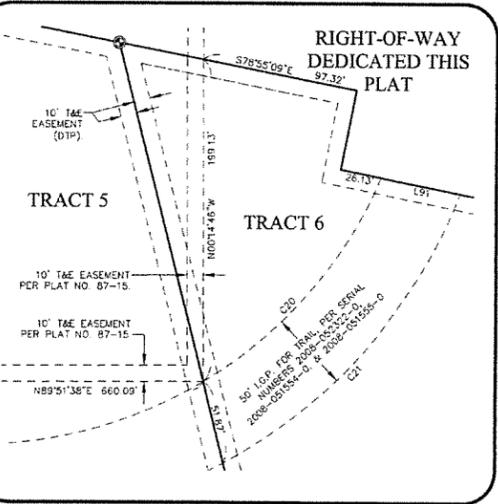
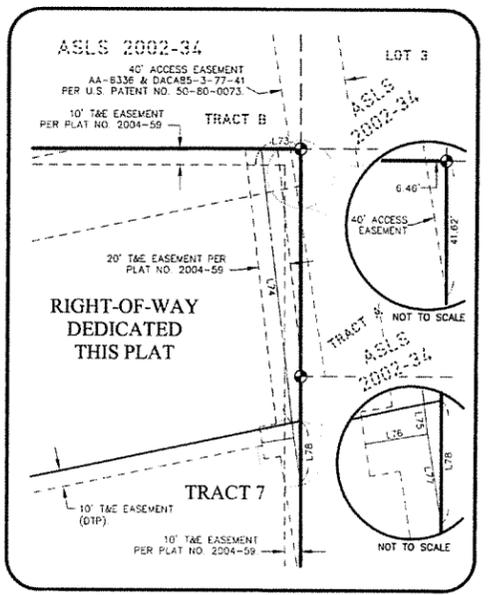
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DRAWN: FEB-05-2009	SURVEYED: NOV-DEC 2007		SHEET 2 OF 4
C-P: PNT NO. 00087499	MOA CASE FILE: S-11678-1		

ANCHORAGE RECORDING DISTRICT PL 2009-10

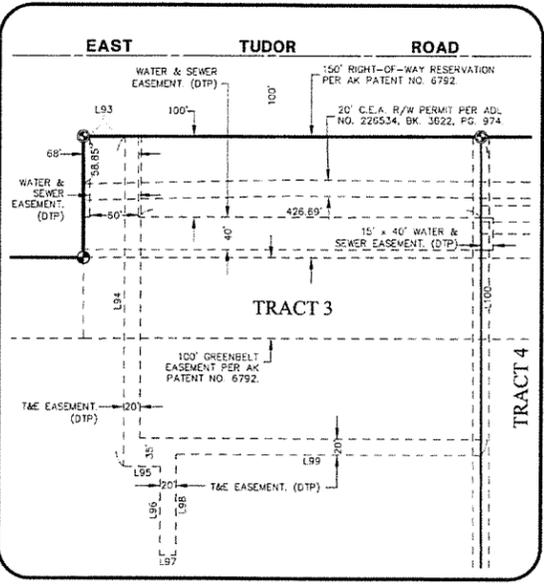
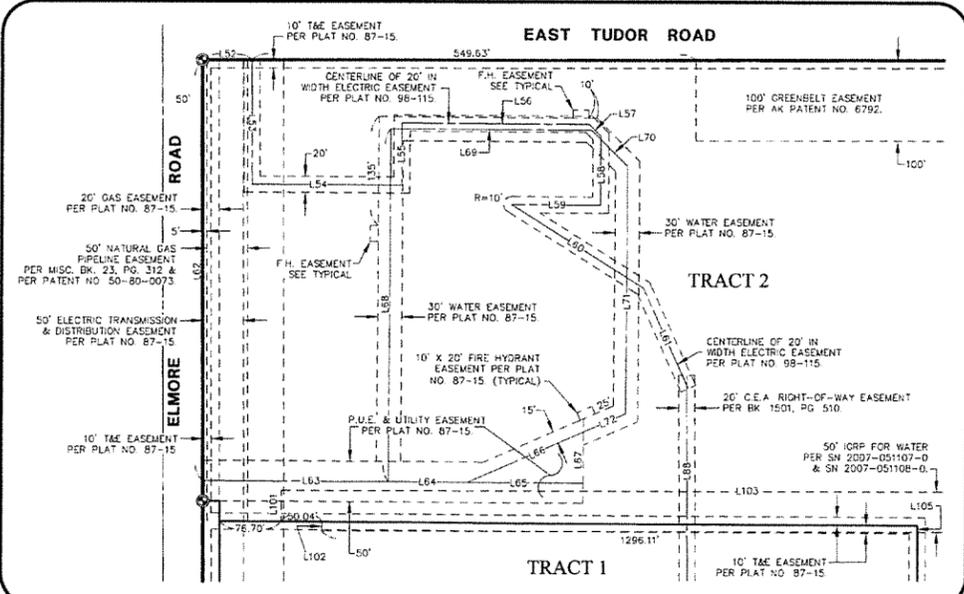
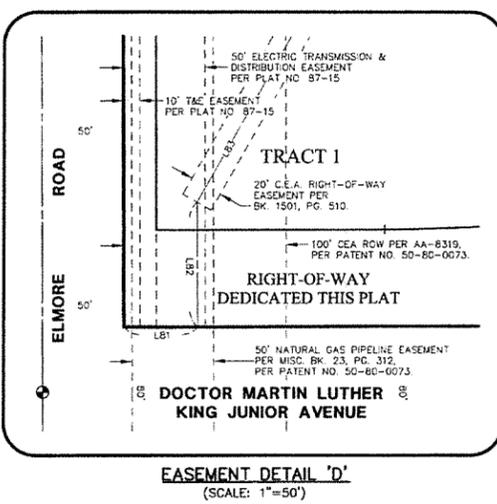
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LINE DATA TABLE		
LINE	BEARING	LENGTH
20' ELECTRIC EASEMENT CENTERLINE		
L52 (TIE)	N89°50'29"E	60.75'
L53	S00°18'01"E	153.77'
L54	S89°49'14"E	185.00'
L55	N00°10'46"E	77.00'
L56	S89°49'14"E	231.50'
L57	S44°49'14"E	21.00'
L58	S00°10'46"W	85.00'
L59	N89°49'14"W	110.00'
L60	S57°49'14"E	193.55'
L61	S24°22'13"E	136.03'
PUE AND UTILITY EASEMENT		
L62 (TIE)	N00°18'01"W	520.34'
L63	S89°49'14"E	229.18'
L64	S89°49'14"E	97.05'
L65	S89°49'14"E	143.77'
L66	N66°24'46"E	157.09'
L67	S00°10'46"W	63.31'
30' WATER EASEMENT CENTERLINE		
L68	S00°10'46"W	436.68'
L69	S89°49'14"E	248.37'
L70	S44°49'14"E	63.00'
L71	S00°10'46"W	305.88'
L72	N66°24'46"E	56.93'
20' T&E EASEMENT CENTERLINE		
L73 (TIE)	S89°50'19"W	24.62'
L74	S06°52'32"E	169.49'
L75	S06°52'32"E	9.30'
L76	S80°48'09"W	20.00'
L77	S09°00'22"E	28.05'
L78 (TIE)	N00°18'57"W	38.05'
10' T&E EASEMENT		
L79	S00°16'25"E	166.27'
L80	N89°51'45"E	329.99'
20' C.E.A. R.O.W. EASEMENT CENTERLINE		
L81 (TIE)	S89°51'38"W	45.28'
L82 (TIE)	N00°28'18"W	77.21'
L83	N29°31'42"E	268.00'
L84	S89°59'22"E	66.00'
L85	N89°59'22"W	27.00'
L86	N00°24'10"W	65.00'
L87	S89°59'22"E	355.00'
L88	N00°24'10"W	265.00'
50' I.G.R.P. FOR TRAIL		
L89	S63°02'13"W	2.10'
L90	S68°20'40"E	608.47'
L91	S78°55'09"E	51.00'
L92	S68°20'40"E	608.47'
T&E EASEMENT		
L93 (TIE)	N89°50'48"E	51.59'
L94	S00°00'00"E	408.42'
L95	S90°00'00"E	45.57'
L96	N00°00'00"E	110.00'
L97	S90°00'00"E	20.00'
L98	N00°00'00"E	125.00'
L99	N80°00'00"E	379.41'
L100 (TIE)	S00°16'29"E	394.61'
50' I.G.R.P. FOR WATER		
L101	N00°04'30"W	38.41'
L102	S00°10'46"W	11.34'
L103	N89°55'27"E	1351.02'
L104	S78°49'30"E	426.30'
L105 (TIE)	S00°18'44"E	8.06'



CURVE DATA TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD	CHORD BEARING
C17 (TIE)	3°45'05"	1250.00'	81.85'	81.83'	N64°54'46"E
C18	5°51'19"	950.00'	97.08'	97.04'	S65°57'52"W
C19	6°03'17"	275.00'	29.06'	29.05'	N71°22'18"W
C20	88°13'16"	275.00'	423.43'	382.83'	N67°32'42"E
C21	90°08'42"	325.00'	511.33'	460.20'	N66°34'59"E
C22	25°52'18"	225.00'	101.60'	100.74'	N81°16'49"W
C23 (TIE)	9°16'08"	1150.00'	186.04'	185.84'	N83°33'13"W



## EASEMENT DETAILS

PLAT OF  
**TUDOR MUNICIPAL CAMPUS**  
TRACTS 1-7  
(WITH EASEMENT VACATION)

A 151.570 ACRE RESUBDIVISION OF  
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AND  
THE E1/2 OF THE E1/2 OF THE NW1/4 OF THE SW1/4 OF THE NE1/4;  
THE W1/2 OF THE NW1/4 OF THE NE1/4 EXCEPTING THEREFROM  
THE EAST TUDOR RIGHT-OF-WAY;  
THE NW1/4 OF THE NE1/4 OF THE SW1/4 OF THE NE1/4; AND  
THE NW1/4 OF THE SE1/4 OF THE NW1/4;  
SECTION 34, TOWNSHIP 13 NORTH, RANGE 3 WEST,  
SEWARD MERIDIAN, ALASKA.

ANCHORAGE RECORDING DISTRICT,  
THIRD JUDICIAL DISTRICT, STATE OF ALASKA.



DWN: LFD	CHK: KET	W.O. D59344	DOWL FILE NO.
SCALE: 1"=200'	FBK: 2092	GRD: SW1836, SW1837	149-69
DRAWN: FEB-05-2009	SURVEYED: NOV-DEC 2007		SHEET
C-P: PNT NO. 00087499	MOA CASE FILE: S-11678-1		3 OF 4



SECTION CORNER  
COMMON WITH SECTIONS 27, 28, 33, & 34,  
T13N, R3W, S.M., ALASKA  
FOUND A 2-1/2" DIA. BRASS CAP  
STAMPED AS SHOWN, IN MONUMENT CASE,  
0.40' BELOW RIM. GOOD CONDITION.  
-HELD-



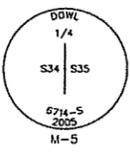
1/4 CORNER  
COMMON WITH SECTIONS 27 & 34,  
T13N, R3W, S.M., ALASKA  
FOUND A 2-1/2" DIA. BRASS CAP  
STAMPED AS SHOWN, IN MONUMENT CASE,  
0.90' BELOW RIM. GOOD CONDITION.  
-HELD-



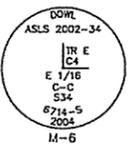
SECTION CORNER  
COMMON WITH SECTIONS 26, 27, 34, & 35,  
T13N, R3W, S.M., ALASKA  
FOUND A 2-1/2" DIA. BRASS CAP  
STAMPED AS SHOWN, IN MONUMENT CASE,  
0.60' BELOW RIM. GOOD CONDITION.  
-HELD-



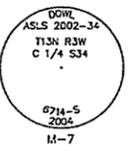
N 1/16 CORNER  
COMMON WITH SECTIONS 34 & 35,  
T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, PROTRUDING 0.30' ABOVE  
GRADE. GOOD CONDITION. -HELD-



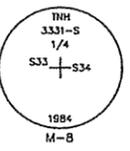
1/4 CORNER  
COMMON WITH SECTIONS 34 & 35,  
T13N, R3W, S.M., AK.  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, FLUSH WITH GRADE.  
GOOD CONDITION. -HELD-



C-E 1/16 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, PROTRUDING 0.20' ABOVE  
GRADE. GOOD CONDITION. -HELD-

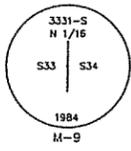


C 1/4 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, FLUSH WITH GRADE.  
GOOD CONDITION. -HELD-



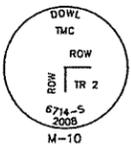
1/4 CORNER  
COMMON WITH SECTIONS 33 & 34,  
T13N, R3W, S.M., AK.  
FOUND A 2-1/2" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A PIPE,  
PROTRUDING 0.10' ABOVE GROUND.  
GOOD CONDITION. -HELD-

NOTE: MONUMENT MAY HAVE BEEN  
DESTROYED DURING THE RECENT  
CONSTRUCTION OF ELMORE ROAD.

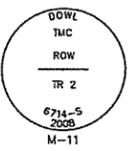


N 1/16 CORNER  
COMMON WITH SECTIONS 33 & 34,  
T13N, R3W, S.M., AK.  
FOUND A 2-1/2" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, IN MONUMENT CASE,  
0.30' BELOW RIM. GOOD CONDITION.  
-HELD-

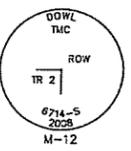
NOTE: MONUMENT MAY HAVE BEEN  
DESTROYED DURING THE RECENT  
CONSTRUCTION OF ELMORE ROAD.



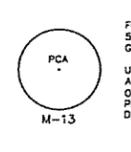
SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.

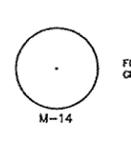


SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.

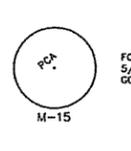


FOUND A YELLOW PLASTIC CAP ON A  
5/8" DIA. REBAR, 0.50' BELOW  
GRADE. FAIR CONDITION. -HELD-

UPGRADED TO A 3-1/4" DIA.  
ALUMINUM CAP STAMPED AS SHOWN,  
ON A 2-1/2" DIA. x 30" ALUMINUM  
PIPE, FLUSH WITH GRADE, WITH  
DEEP-1 MAGNETS INSERTED WITHIN.



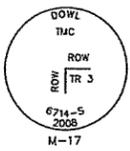
FOUND A 5/8" DIA. REBAR, 2.00' BELOW  
GRADE. GOOD CONDITION. -HELD-



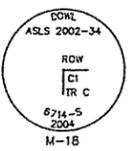
FOUND A YELLOW PLASTIC CAP ON A  
5/8" DIA. REBAR, 0.70' BELOW GRADE,  
GOOD CONDITION. -HELD-



FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, MONUMENT  
PROTRUDES 0.20' ABOVE GRADE,  
GOOD CONDITION. -HELD-

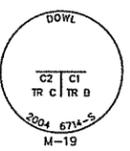


SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



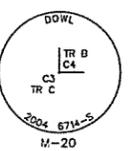
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, PROTRUDING 0.30' ABOVE  
GRADE. GOOD CONDITION. -HELD-

REPLACED WITH A 3-1/4" DIA. ALUMINUM  
CAP STAMPED AS SHOWN ON A 2-1/2"  
DIA. x 30" ALUMINUM PIPE, FLUSH WITH  
GRADE, WITH DEEP-1 MAGNETS INSERTED  
WITHIN.

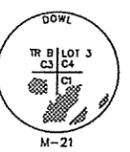


FOUND A 2" DIA. ALUMINUM CAP STAMPED  
AS SHOWN, ON A 5/8" DIA. REBAR,  
FLUSH WITH GRADE. GOOD CONDITION.  
-HELD-

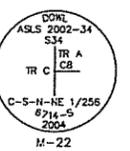
UPGRADED TO A 3-1/4" DIA. ALUMINUM  
CAP STAMPED AS SHOWN ON A 2-1/2"  
DIA. x 30" ALUMINUM PIPE, FLUSH WITH  
GRADE, WITH DEEP-1 MAGNETS INSERTED  
WITHIN.



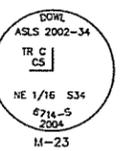
FOUND A 2" DIA. ALUMINUM CAP STAMPED  
AS SHOWN, ON A 5/8" DIA. REBAR,  
FLUSH WITH GRADE. GOOD CONDITION.  
-HELD-



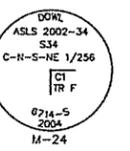
FOUND A 2" DIA. ALUMINUM CAP STAMPED  
AS SHOWN, ON A 5/8" DIA. REBAR,  
FLUSH WITH GRADE. GOOD CONDITION.  
-HELD-



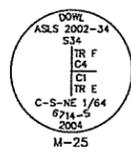
C-S-N-NE 1/256 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, PROTRUDING 0.10' ABOVE  
GRADE. GOOD CONDITION. -HELD-



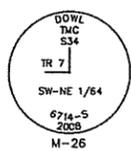
NE 1/16 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, FLUSH WITH GRADE.  
GOOD CONDITION. -HELD-



C-N-S-NE 1/256 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, FLUSH WITH GRADE,  
GOOD CONDITION. -HELD-



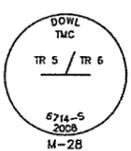
C-S-NE 1/64 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
FOUND A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
ALUMINUM PIPE, PROTRUDING 0.10' ABOVE  
GRADE. GOOD CONDITION. -HELD-



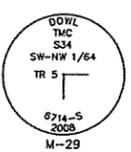
SW-NE 1/64 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



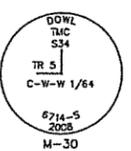
C-S-N 1/64 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



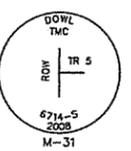
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x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



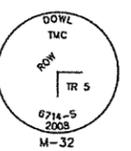
SW-NW 1/64 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



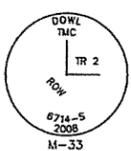
C-W-W 1/64 CORNER  
SECTION 34, T13N, R3W, S.M., ALASKA  
SET A 3-1/4" DIA. ALUMINUM CAP  
STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



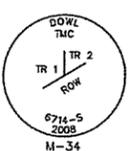
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STAMPED AS SHOWN, ON A 2-1/2" DIA.  
x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



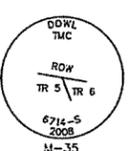
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x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.



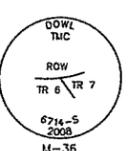
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x 30" ALUMINUM PIPE, FLUSH WITH GRADE,  
WITH DEEP-1 MAGNETS INSERTED WITHIN.

2009-116  
RECORDED-FILED REC. DIST.  
ANCHORAGE REC. DIST.  
DATE 2-19-09  
TIME 1:46 P.M.  
Requested by MOA  
Address

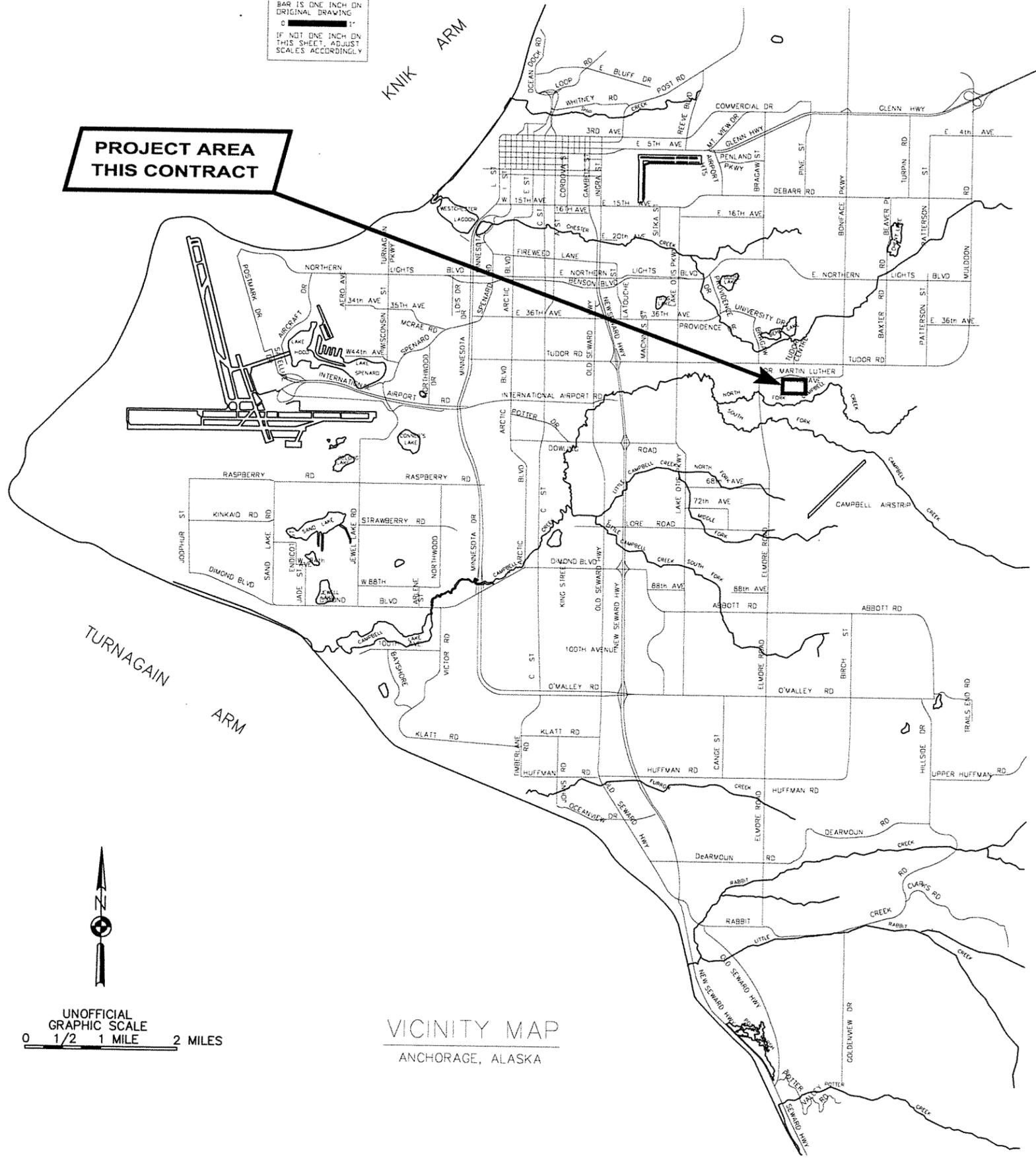
# MONUMENT DETAILS

PLAT OF  
**TUDOR MUNICIPAL CAMPUS**  
TRACTS 1-7  
(WITH EASEMENT VACATION)  
A 151.570 ACRE RESUBDIVISION OF  
TRACT B, BICENTENNIAL PARK SUBDIVISION, PLAT 87-15;  
TRACT A-1, BICENTENNIAL PARK SUBDIVISION, PLAT 98-115;  
TRACT A, EAST ANCHORAGE BALLFIELDS SUBDIVISION, PLAT 99-50;  
TRACT A, ALASKA STATE LAND SURVEY NO. 86-63, PLAT 98-145;  
TRACT C, ALASKA STATE LAND SURVEY NO. 2002-34, PLAT 2004-59;  
AND  
THE E1/2 OF THE E1/2 OF THE NW1/4 OF SW1/4 OF THE NE1/4;  
THE NW1/4 OF THE NE1/4 OF THE NE1/4 EXCEPTING THEREFROM  
THE EAST TUDOR RIGHT-OF-WAY;  
THE NW1/4 OF THE NE1/4 OF THE SW1/4 OF THE NE1/4;  
THE NW1/4 OF THE SE1/4 OF THE NW1/4;  
SECTION 34, TOWNSHIP 13 NORTH, RANGE 3 WEST,  
SEWARD MERIDIAN, ALASKA.  
ANCHORAGE RECORDING DISTRICT,  
THIRD JUDICIAL DISTRICT, STATE OF ALASKA.



DWN: LFD	CHK: KET	W.O. D59344	DOWL FILE NO:
SCALE: 1"=200'	FBK: 2092	GRID: SW1836, SW1837	149-69
DRAWN: FEB-05-2009	SURVEYED: NOV-DEC 2007		SHEET
C-P: PNT NO. 00087499	MOA CASE FILE: S-11678-1		4 OF 4

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 0 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



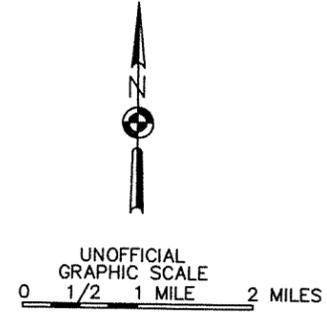
**PROJECT AREA THIS CONTRACT**

# TOZIER TRACK TUDOR MUNICIPAL CAMPUS SUBDIVISION, TRACT 6

## CONDITIONAL USE PERMIT

OWNER INFORMATION:  
 MOA HERITAGE LAND BANK  
 PO BOX 196650  
 ANCHORAGE, AK 99519

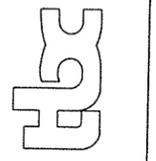
SHEET INDEX	
SHEET NO.	SUBJECT
C1	COVER SHEET
C2	GENERAL NOTES, LEGEND, AND ABBREVIATIONS
C3	EXISTING CONDITIONS
C4	SITE & GRADING PLAN
L1	LANDSCAPE PLAN
E1	SITE LIGHTING PLAN
A0.3A	EVENT BUILDING - EXTERIOR PERSPECTIVE
A0.3B	EVENT BUILDING - INTERIOR PERSPECTIVE
A0.3C	TIMING TOWER PERSPECTIVES
A2.1	EVENT BUILDING - 1ST FLOOR PLAN
A2.2	EVENT BUILDING - 2ND FLOOR PLAN
A2.3	TIMING TOWER PLANS
A3.1	EXTERIOR ELEVATIONS - EVENT BUILDING
A4.1	BUILDING SECTIONS - EVENT BUILDING
A4.2	BUILDING SECTIONS - EVENT BUILDING
A5.1	ENLARGED STAIR PLANS
A6.3	TOILET ROOM MOUNTING HEIGHTS
A6.6	WALL TYPE NOTES
A6.7	WALL TYPES



VICINITY MAP  
 ANCHORAGE, ALASKA

65% PLANS

The Boutet Company, Inc.  
 601 E. 57th Place #102  
 Anchorage, AK 99518  
 Ph. 907-522-6776  
 Fax. 907-522-6779  
 License No. AECC957



**Tozier Track**  
 Dog Sled Racing Venue  
 Tract 6  
 Tudor Municipal Campus  
 Doctor Martin Luther King Junior Avenue  
 Anchorage, AK 99507

REVISION SCHEDULE	
#	DESCRIPTION

JOB NO. 04-01-2021  
 DATE  
 DRAWN ZDR  
 REVIEWED TSH

SHEET NAME  
 SITE PLAN

SHEET NO.  
 C1

**tbc**  
 The Boutet Company, Inc.  
 601 E. 57th Place #102  
 Anchorage, AK 99518  
 Ph. 907-522-6776  
 Fax. 907-522-6779  
 License No. AECC957

# GENERAL NOTES:

- CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREETS-DRAINAGE-UTILITIES-PARKS, DATED 2015 HEREAFTER REFERRED TO AS M.A.S.S., AS CURRENTLY AMENDED BY THE SPECIAL PROVISIONS AND THESE CONSTRUCTION DRAWINGS.
- DRAWING SCALES ON SHEETS WITHIN THESE PLANS MAY VARY AND SHOULD BE NOTED PRIOR TO USE. THESE PLANS WERE CREATED FOR 22X34 PLAN SET AND AT A SPECIFIC DRAWING SCALE. ANY REPRODUCTION OR PUBLISHING OF THESE PLANS MAY RESULT IN DISTORTION OF SCALE AND SHALL BE VERIFIED PRIOR TO USE.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION. THE PERMITS SHALL BE MAINTAINED AT THE JOB SITE.
- CONTRACTOR SHALL MAINTAIN "REDLINE" RECORD DRAWINGS ON A CLEAN SET OF CONSTRUCTION DRAWINGS IN ACCORDANCE WITH M.A.S.S. DIVISION 65.00 CONSTRUCTION SPECIFICATIONS FOR CONSTRUCTION SURVEY. THE "REDLINES" SHALL BE KEPT CURRENT ON A DAILY BASIS AND SHALL BE AVAILABLE TO THE ENGINEER FOR INSPECTION ON THE JOBSITE.
- CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH AS-BUILT PLANS, INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD. CONTRACTOR SHALL RECORD ALL DEVIATIONS FROM THE PLANS.
- THESE NOTES CONTAIN INFORMATION NECESSARY FOR THE PROPER EXECUTION OF THE WORK CONTAINED ON THESE IMPROVEMENT PLANS. THESE NOTES APPLY TO ALL PLAN SHEETS. ADDITIONAL CONSTRUCTION NOTES MAY ALSO BE SHOWN ON INDIVIDUAL PLAN SHEETS. THE CONTRACTOR IS RESPONSIBLE TO READ AND COMPLY WITH ALL NOTES SHOWN ON THIS SET OF PLANS. THE TERM "CONTRACTOR", AS USED IN THESE NOTES AND ELSEWHERE IN THIS PLAN SET, MEANS THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AND INDIVIDUALS AUTHORIZED TO PERFORM WORK SHOWN ON THESE IMPROVEMENT PLANS. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL NOTES APPLICABLE TO HIS/HER WORK. ALL CONTRACTORS ARE DIRECTED TO CONTACT THIS ENGINEER FOR ANY QUESTIONS REGARDING THE STATED OR IMPLIED MEANING OF ANY NOTE OR OTHER INFORMATION CONTAINED ON THESE IMPROVEMENT PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT HIS/HER CONTRACT FOR SERVICES INCLUDES THE RESPONSIBILITIES DEFINED BY THE APPLICABLE NOTES.
- NO FROZEN SOILS CAN BE USED IN FILLS. NO FILL CAN BE PLACED OVER FROZEN GROUND.
- ALL AREAS TO BE FILLED SHALL BE CLEARED OF VEGETATION, ROOT MAT, AND OTHER UNSUITABLE MATERIALS.
- NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED PLACED IN FILLS.
- IMPORT HAUL ROUTE AS&G.
- EXPORT HAUL ROUTE SAND LAKE PIT.
- HOURS OF OPERATION: MONDAY -SATURDAY: 7AM-7PM, IN COMPLIANCE WITH THE MUNICIPAL NOISE AND HOURS OF OPERATION REQUIREMENTS DURING CONSTRUCTION IN AMC 15.70.060B.3.

### SURVEY NOTES:

- THE BASIS OF ELEVATION IS BENCH MARK TNH 10, HAVING A VALUE OF 118.04 ABOVE SEA LEVEL. MONUMENT IS LOCATED ON THE NE CORNER OF THE ATU BUILDING LOCATED ON TELEPHONE AVENUE.
- SURVEY DATA WAS PROVIDED BY THE BOUTET CO., FIELD BOOK \_ PAGE \_.

### EXISTING UTILITIES:

- LOCATIONS DEPICTED FOR THE UTILITIES AND OTHER EXISTING FEATURES ARE APPROXIMATE. SOME UTILITIES HAVE BEEN LOCATED FROM AS-BUILT DRAWINGS AND SOME FROM UTILITY COMPANY LOCATES, AND THEREFORE MAY NOT BE VISIBLE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL UTILITIES AND PERFORMING ANY NECESSARY VERIFICATION PRIOR TO CONSTRUCTION.
- (UNDERGROUND) OVERHEAD ELECTRICAL AND TELECOMMUNICATION LINES (AND POLES) OCCUR WITHIN THE PROJECT AREA; CONTRACTOR SHALL COORDINATE WORK ACCORDINGLY. ALL WORK IN CLOSE PROXIMITY TO EXISTING (OVERHEAD) UNDERGROUND LINES (AND POLES) SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, CODES AND GUIDELINES, AND THE ELECTRICAL FACILITY CLEARANCE REQUIREMENTS OF THE GOVERNING UTILITY.
- HAND DIGGING IS REQUIRED WITHIN TWO FEET OF BURIED ELECTRICAL CABLE. SOME UTILITIES HAVE BEEN LOCATED FROM AS-BUILT DRAWINGS AND MAY NOT BE VISIBLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THE PLANS. THIS RESPONSIBILITY INCLUDES CONTACTING UTILITY COMPANIES FOR LOCATIONS OR POT-HOLING PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.

### EXCAVATION:

- EXACT LOCATION OF EXCAVATION AND BACKFILL SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ORGANIC MATERIAL SHALL BE REMOVED FROM THE SUBGRADE TO A DEPTH TO BE DETERMINED BY THE ENGINEER. NO ORGANIC MATERIAL OR OTHER DELETERIOUS MATERIAL SHALL BE UTILIZED FOR BACKFILL.
- DEWATERING IS NOT ANTICIPATED FOR THIS PROJECT. IF DEWATERING IS REQUIRED, REFER TO MASS.
- CLASSIFIED FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12-INCHES IN DEPTH AND SHALL BE COMPACTED TO 95% M.D.D.
- FINISH GRADE (FG) REPRESENTS THE ELEVATION OF THE FINISHED SURFACE. THIS INCLUDES LANDSCAPE AREAS, PAVED OR CONCRETE SURFACES, ROCK RIP-RAP SURFACE AND ELEVATION AT EXTERIOR OF STRUCTURE FOUNDATION, UNLESS OTHERWISE DENOTED ON DETAIL OR SPECIAL LABEL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SUBGRADE OR TOPSOIL TO ALLOW FOR FINISHED SURFACE MATERIAL DIMENSIONS. IF DETAIL IS PROVIDED FOR SPECIAL AREA, DETAIL SHALL DENOTE FINISH GRADES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 3 HORIZONTAL UNITS TO 1 VERTICAL UNIT. (3:1)

### CLEANUP AND TOPSOIL:

- WORK AND MATERIALS REQUIRED FOR REMOVING LITTER OR DEBRIS THAT EXISTS WITHIN THE PROJECT LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "DEMOLITION" (OR INCIDENTAL TO THE PROJECT) AND NO SEPARATE PAYMENT SHALL BE MADE.
- CONTRACTOR SHALL RESTORE DISTURBED PROPERTY TO PRE-CONSTRUCTION CONDITION(S), UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR RESTORING DISTURBED PROPERTY SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND AND NO SEPARATE PAYMENT SHALL BE MADE, UNLESS BID ITEMS ARE PROVIDED.

## ABBREVIATIONS

AC	ASPHALT CONCRETE PAVEMENT
ADA	AMERICAN WITH DISABILITIES ACT OF 1990
BM	BENCH MARK
BOW	BOTTOM OF WALL
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
E	ELECTRICAL
EL	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
EG	EXISTING GRADE
FG	FINISHED GRADE
FL	FLOW LINE
FL(e)	FLOW LINE EXISTING
G	GAS
GB	GRADE BREAK
INV	INVERT
LF	LINEAR FEET
MASS	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS
MAX	MAXIMUM
ME	MATCH EXISTING
MIN	MINIMUM
NIC	NOT IN CONTRACT
	(WORK TO BE PERFORMED BY OTHERS)
NTS	NOT TO SCALE
P#	POINT NUMBER
PCC	PORTLAND CEMENT CONCRETE
PP	POWER POLE
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
R	RADIUS
ROW	RIGHT-OF-WAY
REF	REFERENCE
SDFI	STORM DRAIN FIELD INLET
SDMH	STORM DRAIN MANHOLE
ST	STREET
TEL	TELEPHONE
TBC	TOP BACK OF CURB
TBC (e)	TOP BACK OF CURB EXISTING
TOW	TOP OF WALL
TYP	TYPICAL

## GRADE FILL LEGEND

	PROPERTY BOUNDARY
	PROPOSED PROPERTY LINE
	EXISTING EASEMENT
	EXISTING EDGE OF PAVEMENT
	PROPOSED EDGE OF PAVEMENT
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	GRADE BREAK LINE
	EXISTING GRADE ELEVATION
	MATCH EXISTING GRADE ELEVATION
	FINISHED GRADE
	SLOPE RATE IN PERCENT. (e) IF EXISTING
	EXISTING FENCE
	EXISTING STORM DRAIN
	EXISTING GAS LINE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING OVERHEAD UTILITY LINE
	EXISTING UTILITY POLE
	PROPOSED STRUCTURE FOUNDATION
	PROPOSED CONCRETE AREA
	PROPOSED ASPHALT PAVEMENT SURFACE
	PROPOSED SNOW STORAGE AREA

65% PLANS

The Boutet Company, Inc.  
601 E. 57th Place #102  
Anchorage, AK 99518  
Ph: 807-522-8770  
License No. AEC00957



**Tozier Track**  
**Dog Sled Racing Venue**  
Tract 6  
Tudor Municipal Campus  
Doctor Martin Luther King Junior Avenue  
Anchorage, AK 99507

### REVISION SCHEDULE

#	DESCRIPTION	DATE

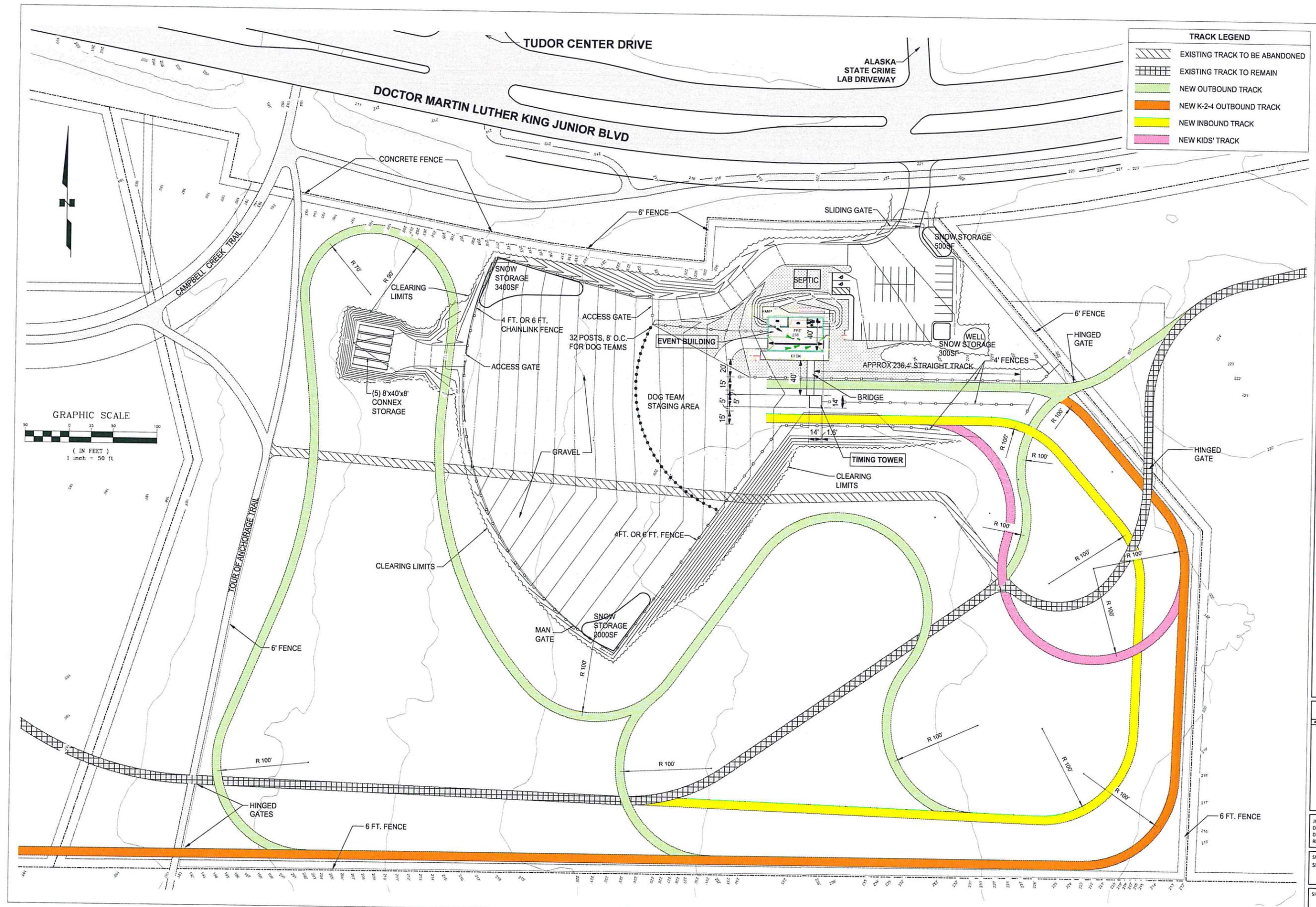
JOB NO	04-01-2021
DATE	ZDR
DRAWN	TSH
REVIEWED	

SHEET NAME  
GENERAL NOTES, LEGEND,  
AND ABBREVIATIONS

SHEET NO  
**C2**







**TRACK LEGEND**

	EXISTING TRACK TO BE ABANDONED
	EXISTING TRACK TO REMAIN
	NEW OUTBOUND TRACK
	NEW K-2-4 OUTBOUND TRACK
	NEW INBOUND TRACK
	NEW KIDS' TRACK

**65% PLANS**

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 Anchorage, AK 99518  
 Ph: 907-522-8778  
 License No. AECC957

**Tozier Track**  
**Dog Sled Racing Venue**  
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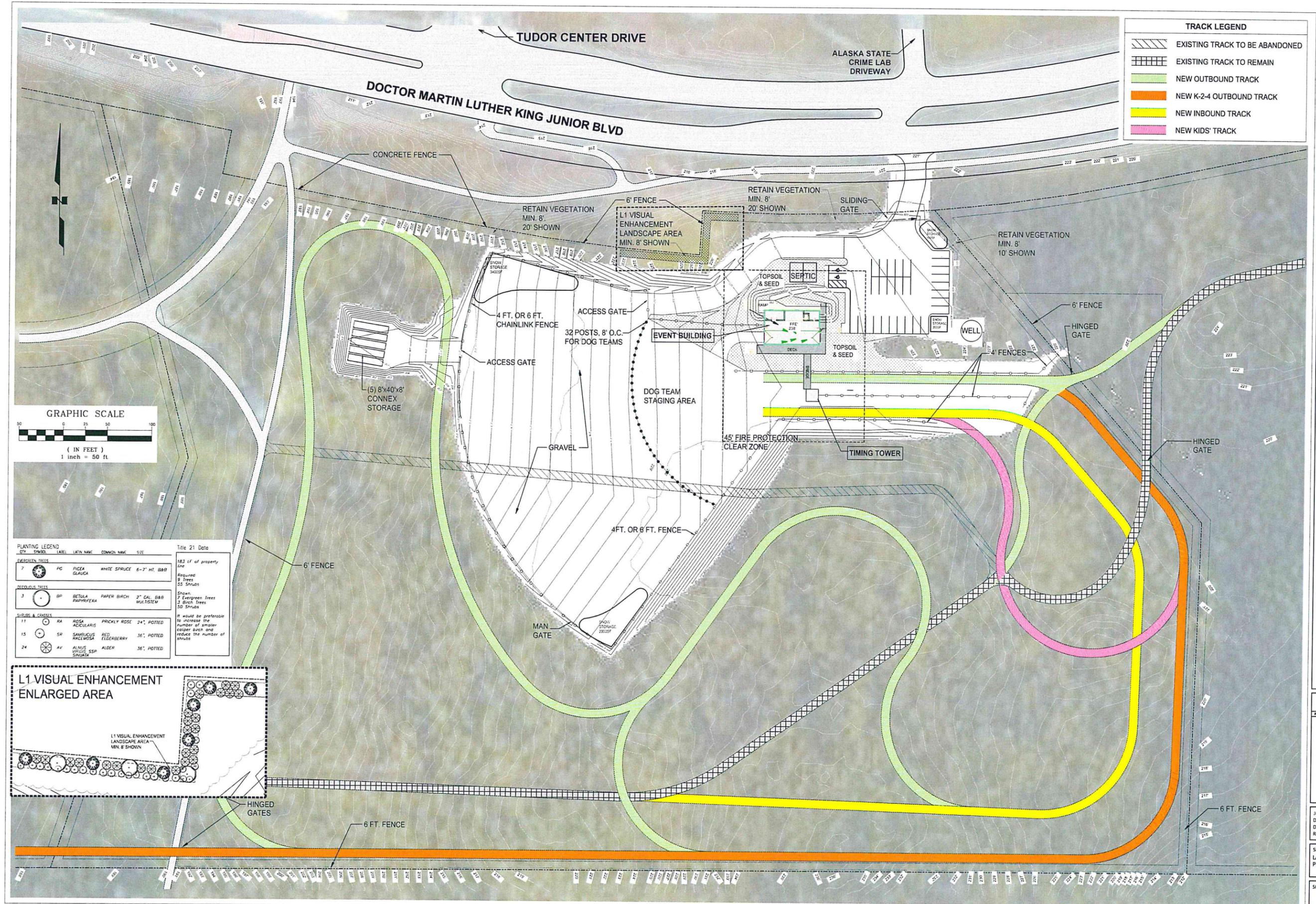
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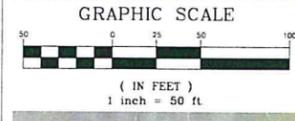
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 DATE 04-01-2021  
 DRAWN ZDR  
 REVIEWED TSH

SHEET NAME  
**SITE & GRADING PLAN**

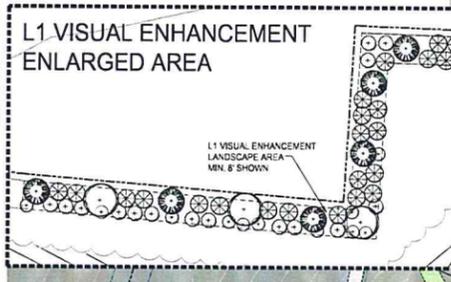
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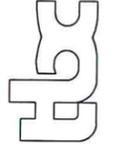
TRACK LEGEND	
	EXISTING TRACK TO BE ABANDONED
	EXISTING TRACK TO REMAIN
	NEW OUTBOUND TRACK
	NEW K-2-4 OUTBOUND TRACK
	NEW INBOUND TRACK
	NEW KIDS' TRACK



SYM.	TWO-DIGIT LABEL	LATIN NAME	COMMON NAME	SIZE	Title 21 Date
7	PG	PICEA GLAUCA	WHITE SPRUCE	6-7" HT. BAB	183 LF of property, none Required 9 Trees 23 Shrubs
3	BP	BETULA PAPERIFERA	PAPER BIRCH	2" CAL. BAB	Shown: Evergreen Trees 3 Birch Trees 50 Shrubs
11	RA	ROSA ACICULARIS	PRICKLY ROSE	24", POTTED	It would be preferable to increase the number of smaller cypress birch and reduce the number of shrubs
15	SR	SAMBUCUS RACEMOSA	RED ELDERBERRY	36", POTTED	
24	AV	ALNUS VINCIGER SSP. SINGARIA	ALDER	36", POTTED	



The Boutet Company, Inc.  
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**Tozier Track**  
**Dog Sled Racing Venue**  
 Tract 6  
 Tudor Municipal Campus  
 Street Address  
 Anchorage, AK 99507

REVISION SCHEDULE		
#	DESCRIPTION	DATE

JOB NO.	
DATE	04-16-2021
DRAWN	OM
REVIEWED	TSH

SHEET NAME  
 LANDSCAPE PLAN

SHEET NO.  
**L1**

**ELECTRICAL NOTES:**  
 LIGHTING SHALL MEET THE LEVEL OF ILLUMINATION, UNIFORMITY RATIOS, AND MINIMUM LUMEN INTENSITIES SPECIFIED IN THE ILLUMINATION GUIDELINES SET BY THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. THE LIGHTING SYSTEM SHALL BE DESIGNED TO PREVENT GLARE TO MOTORISTS ON PUBLIC STREETS AND LIGHT TRESPASS ONTO ADJOINING PROPERTY.

65% PLANS

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 Anchorage, AK 99518  
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 F: 907-522-6779  
 License No. AECC957



**Tozier Track**  
**Dog Sled Racing Venue**  
 Tract 6  
 Tudor Municipal Campus  
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REVISION SCHEDULE	
#	DATE

JOB NO.	
DATE	04-01-2021
DRAWN	ZDR
REVIEWED	TSH

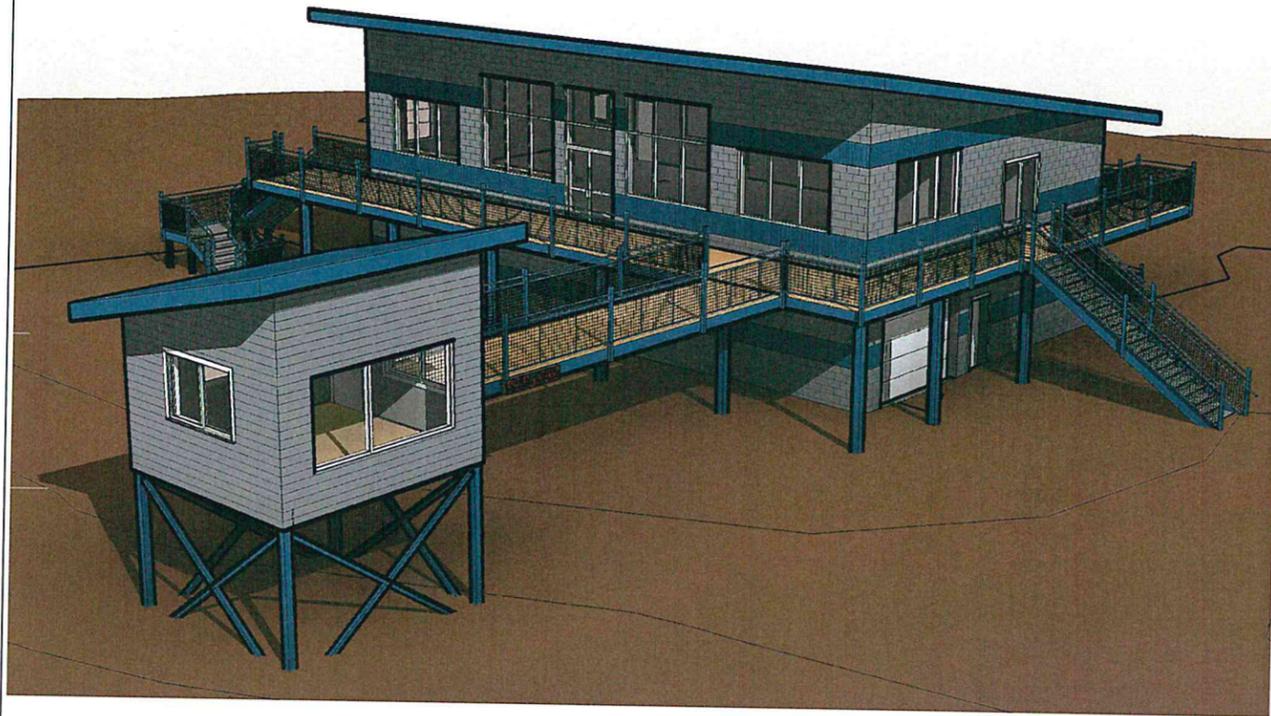
SHEET NAME  
 SITE LIGHTING PLAN

SHEET NO.  
**E1**

65% PLANS - NOT FOR CONSTRUCTION

HALF SCALE WHEN PRINTED AT 11x17





2 Event Building - Exterior Perspective - South East



1 Event Building - Exterior Perspective - South West



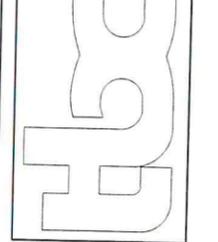
3 Event Building - Exterior Perspective - North West



4 Event Building - Exterior Perspective - North East

FNA Project #  
2019\_67  
Project Start Date:  
08-26-19  
Release Date: 04-03-2021  
Released for:  
Exterior Perspectives

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Permit #:

**Tozier Track**  
Dog Sled  
Racing Venue  
Tract 6  
Tudor Municipal Campus  
TB00 - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

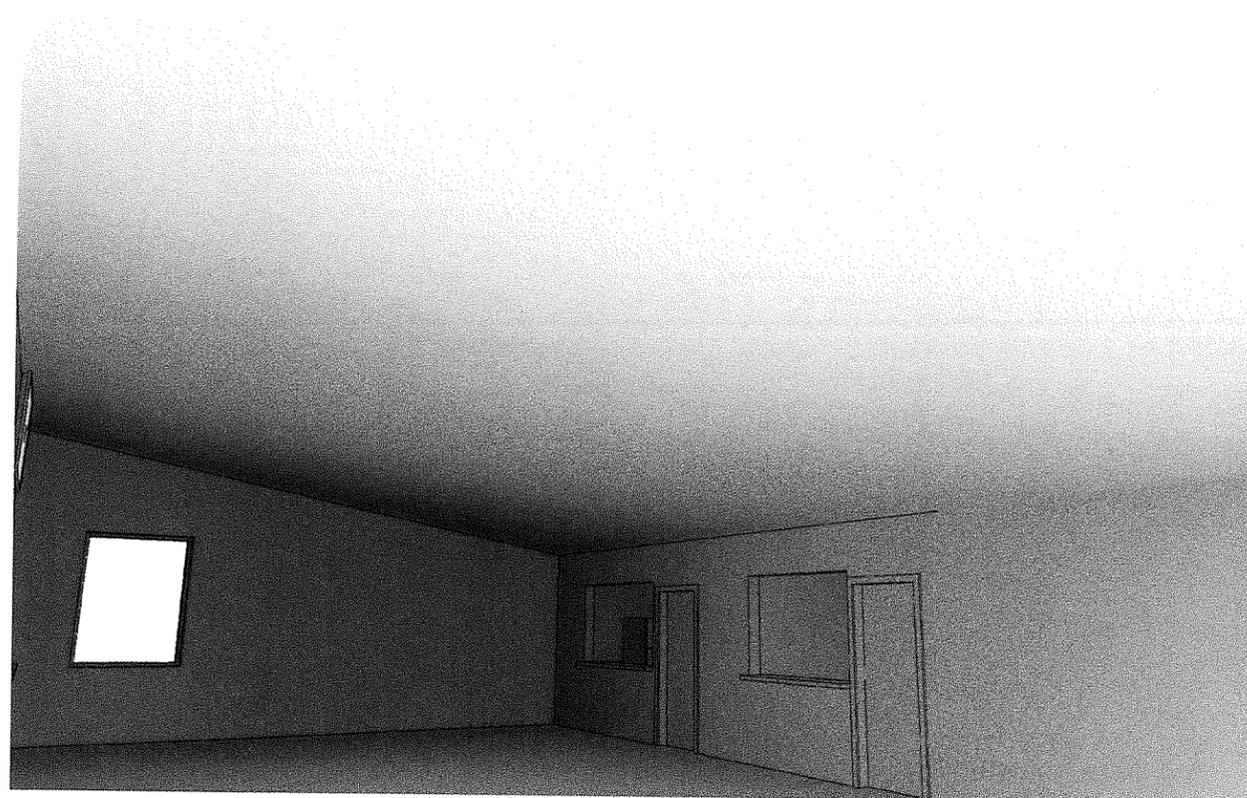
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Event Bldg - Exterior  
Perspectives  
Sheet number  
**A0.3A**



1 Event Building - Interior Perspective - Looking South West



2 Event Building - Interior Perspective - Looking South



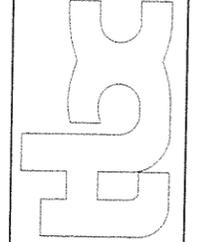
3 Event Building - Interior Perspective - Looking North West



4 Event Building - Interior Perspective - Looking North East

FNA Project #  
2019.67  
Project Start Date  
08-26-19  
Release Date: 03-18-2021  
Released for  
Preliminary Set 06  
(CUP)

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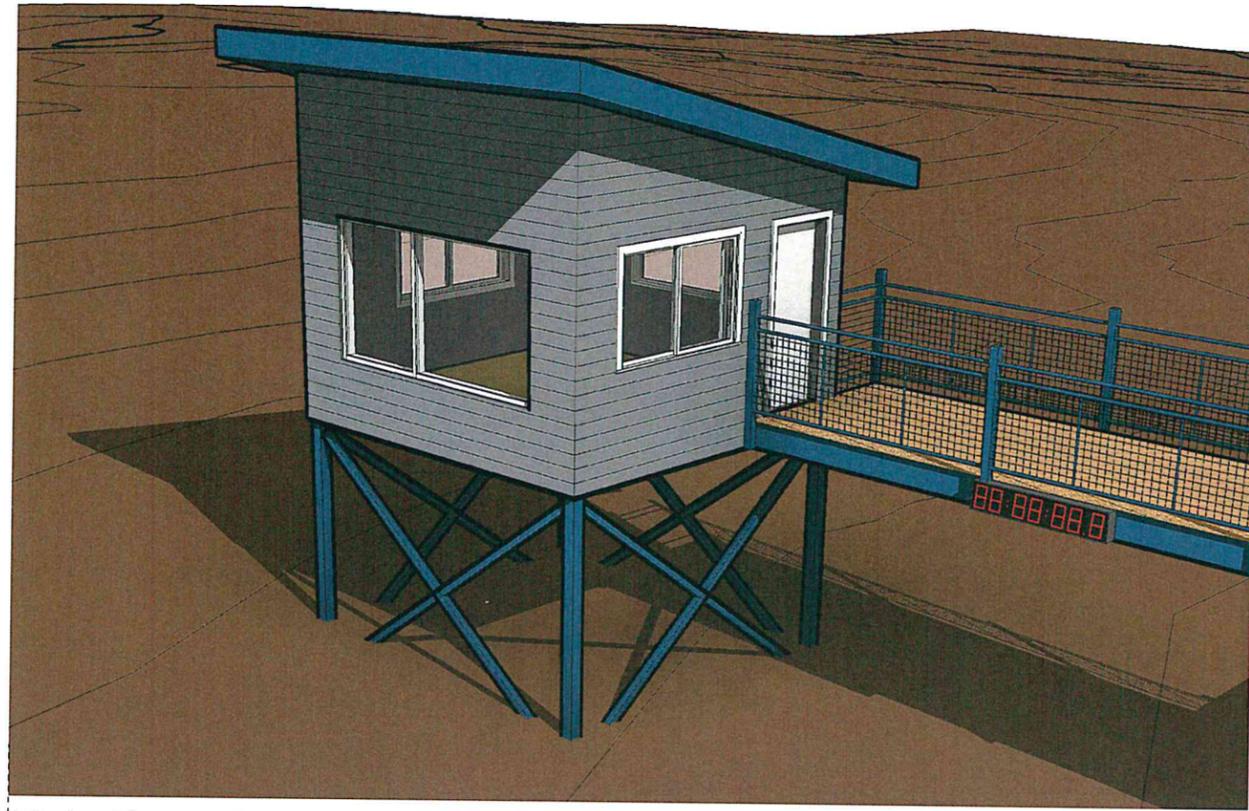
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Permit #  
**Tozier Track  
Dog Sled  
Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

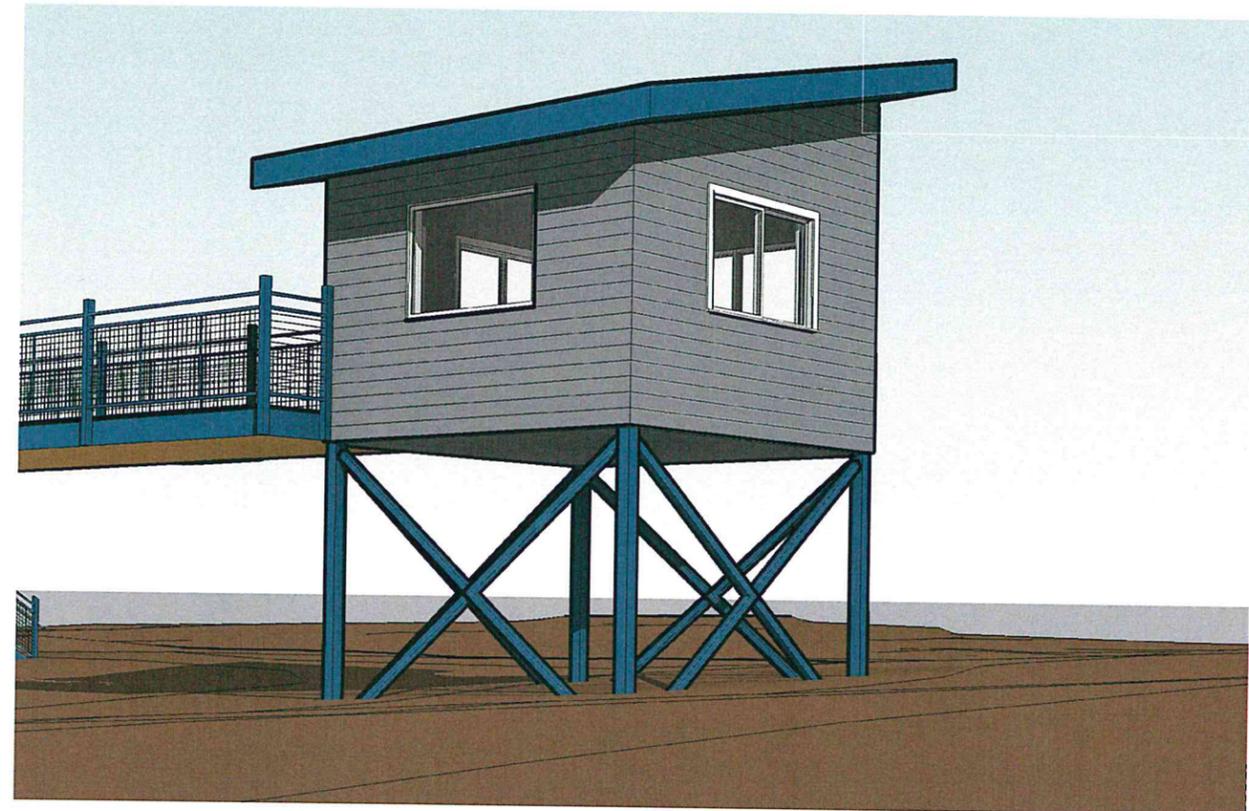
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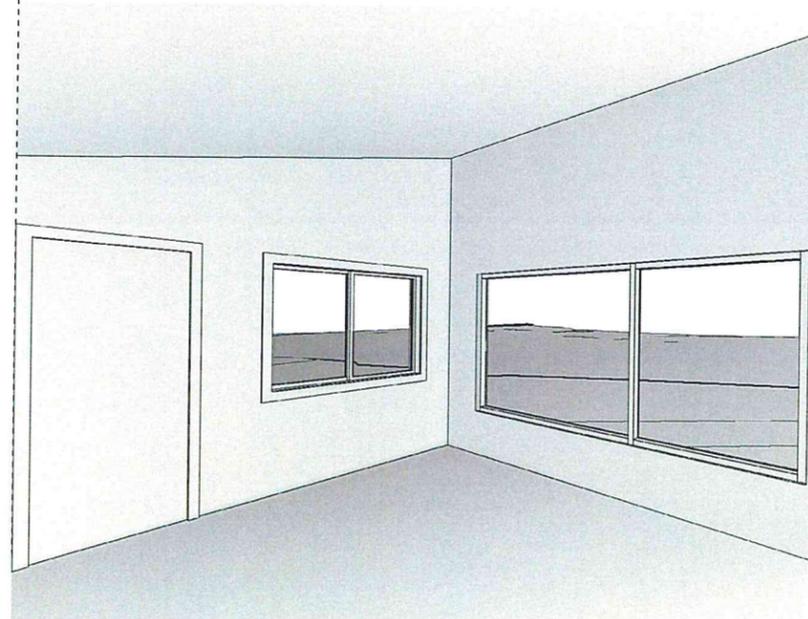
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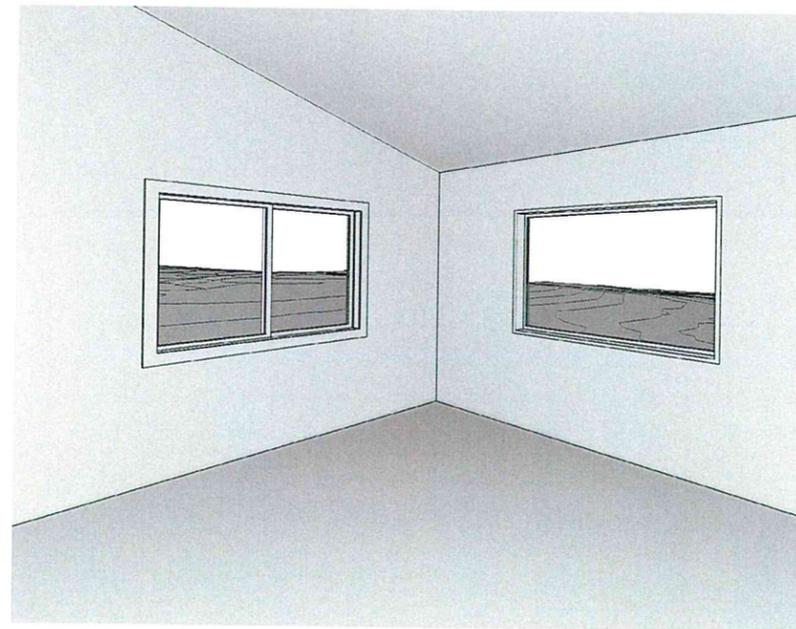
1 Timing Tower - Exterior Perspective From North East



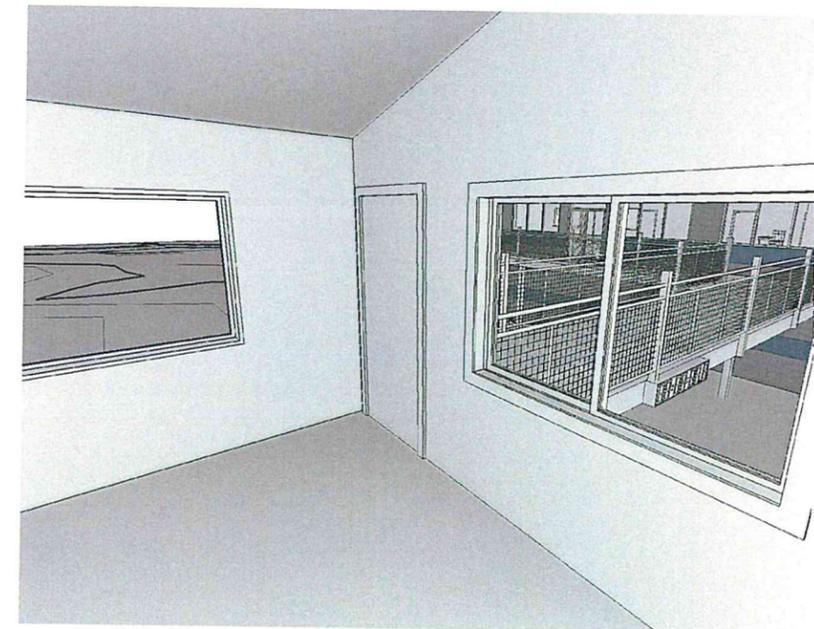
2 Timing Tower - Exterior Perspective From South West



3 Timing Tower - Interior Perspective Looking North East



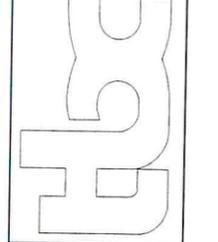
4 Timing Tower - Interior Perspective Looking South East



5 Timing Tower - Interior Perspective Looking North West

FNA Project #:  
2019\_67  
Project Start Date:  
08-26-19  
Release Date: 04-03-2021  
Released for:  
Exterior Perspectives

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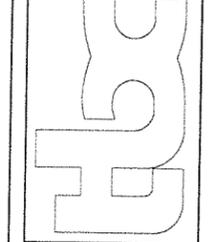


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Permit #:  
**Tozier Track**  
Dog Sled  
Racing Venue  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507  
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Timing Tower -  
Perspectives  
Sheet number:  
**A0.3C**

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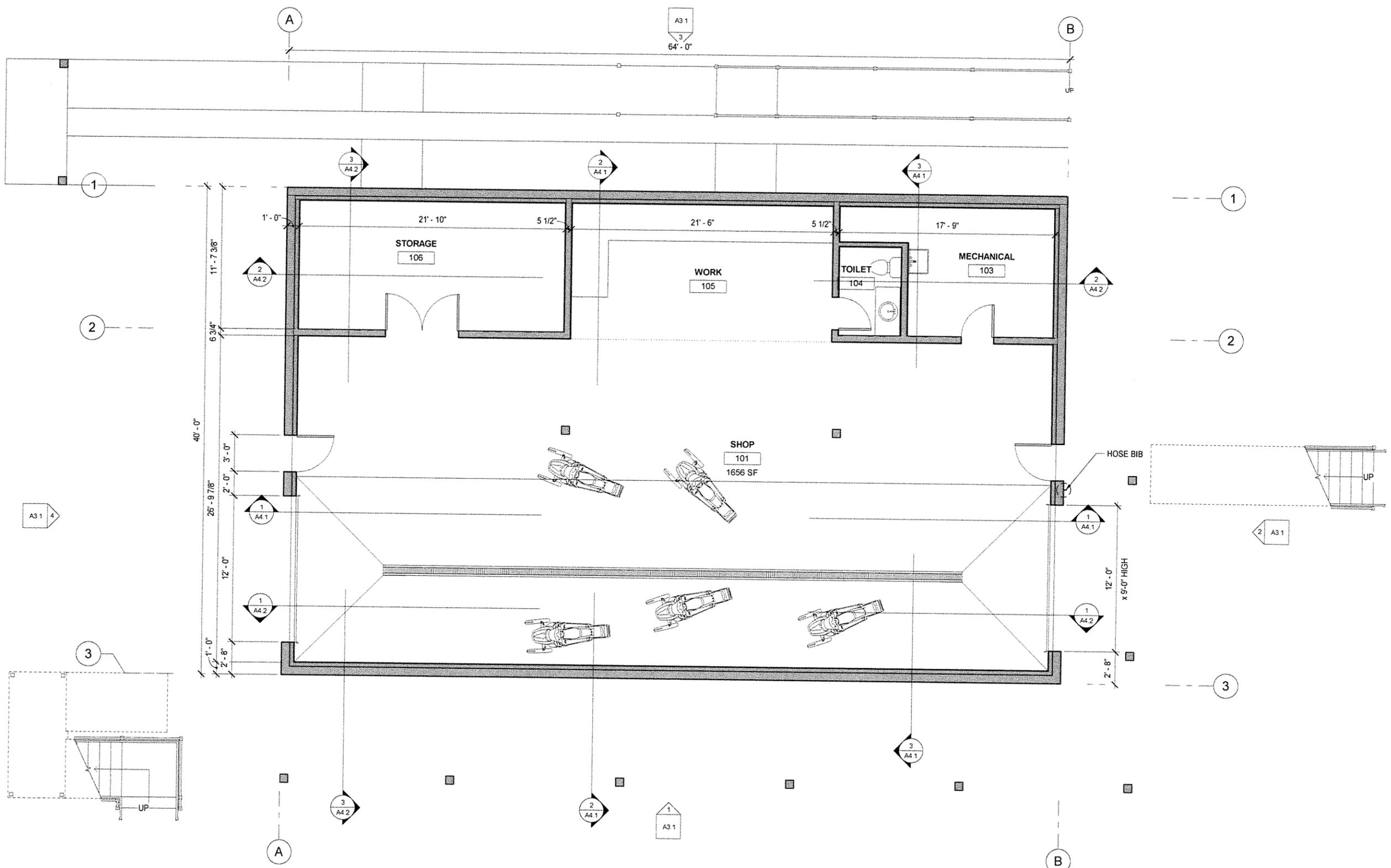


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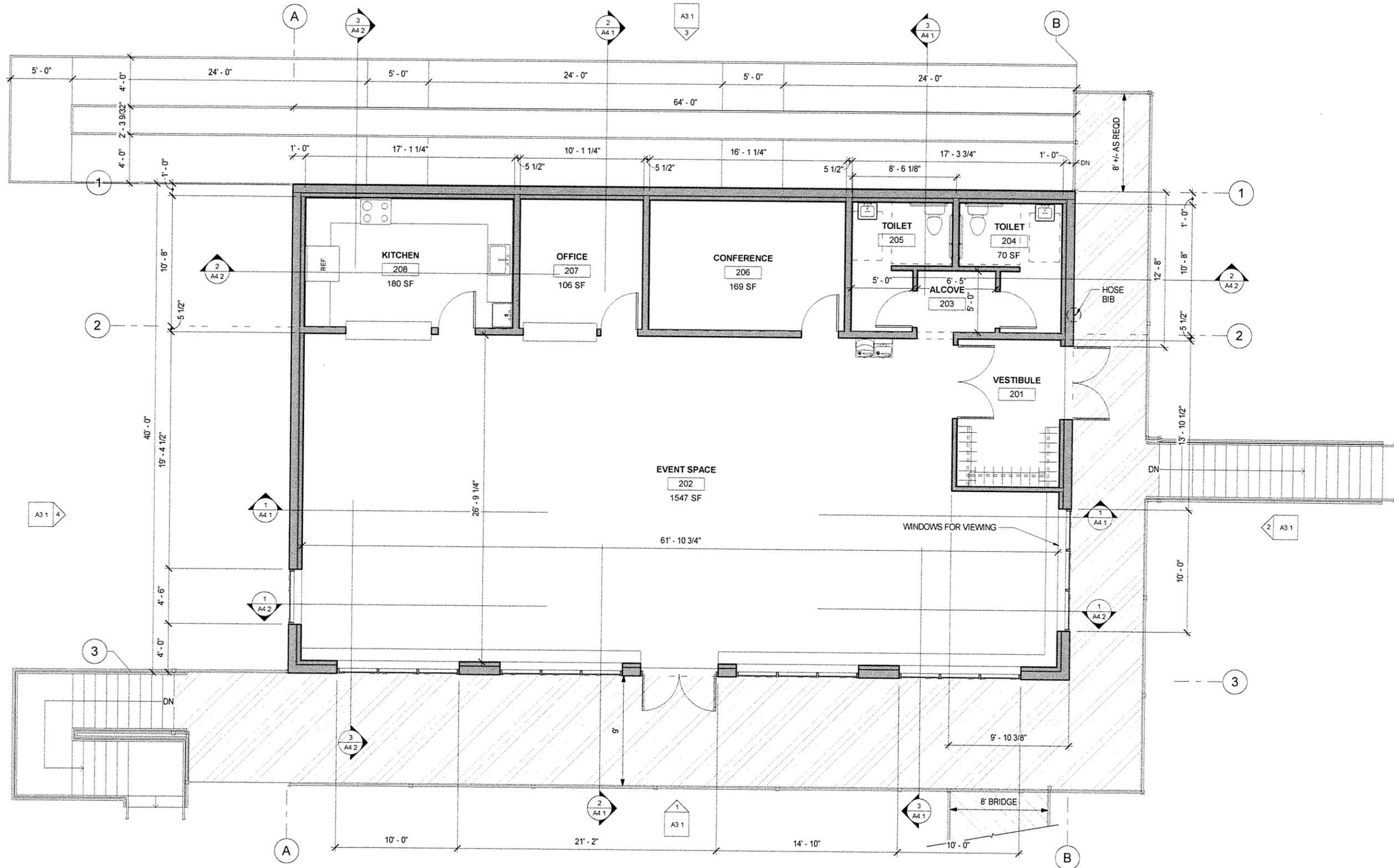
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**Event Bldg - 1st Floor Plan**  
 sheet number  
**A2.1**



**1** Event Building - 1st Floor Plan  
 1/4" = 1'-0"

THE CONTRACTOR IS RESPONSIBLE TO  
 CHECK THE PLANS AND IS TO NOTIFY THE  
 ARCHITECT OF ANY ERRORS OR OMISSIONS  
 PRIOR TO THE START OF CONSTRUCTION

DRAWN BY: [Name] / SCALE: [Scale]



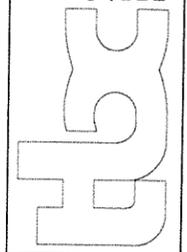
1 Event Building - 2nd Floor Plan  
1/4" = 1'-0"

THE CONTRACTOR IS RESPONSIBLE TO CHECK THE PLANS AND IS TO NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS PRIOR TO THE START OF CONSTRUCTION

FNA Project # 2019\_67  
Project Start Date: 08-26-19

Release Date: 03-18-2021  
Released for:  
Preliminary Set 06 (CUP)

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Ph. 907-522-6776  
Fax. 907-522-6779  
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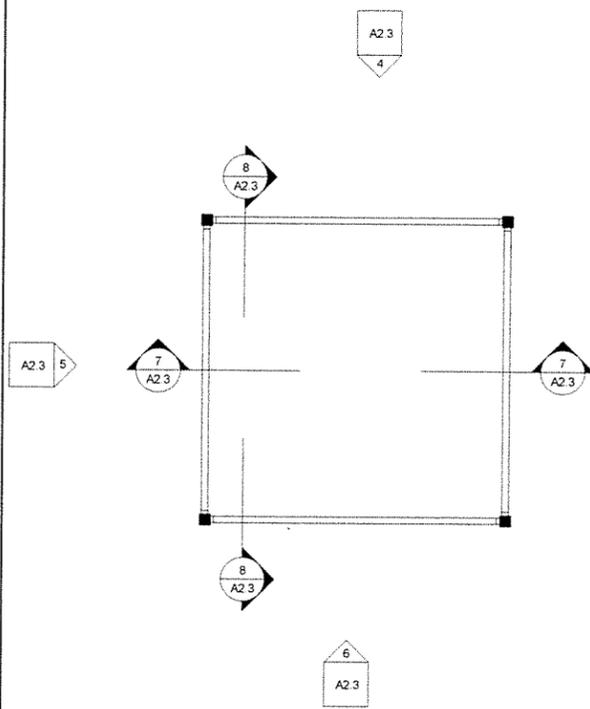
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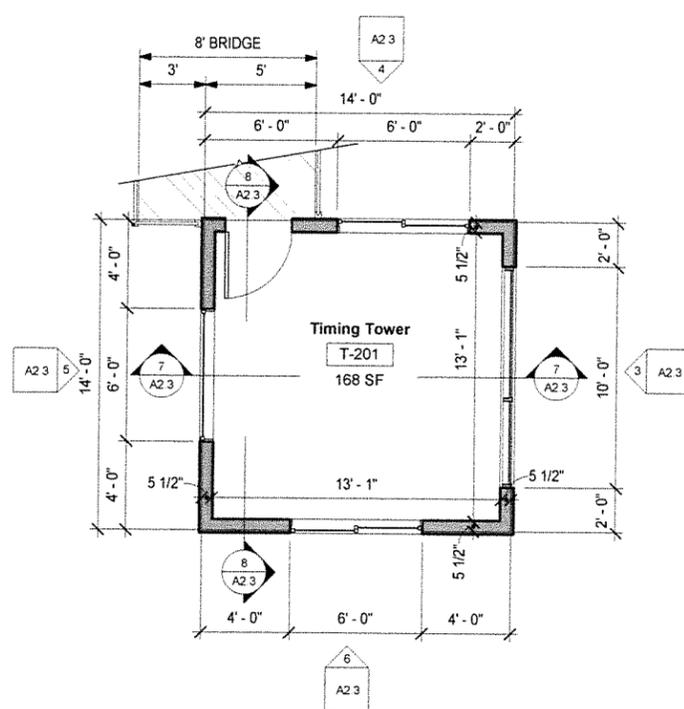
**Tozier Track Dog Sled Racing Venue**  
Tract 6  
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Event name  
Event Bldg - 2nd Floor Plan  
sheet number  
**A2.2**

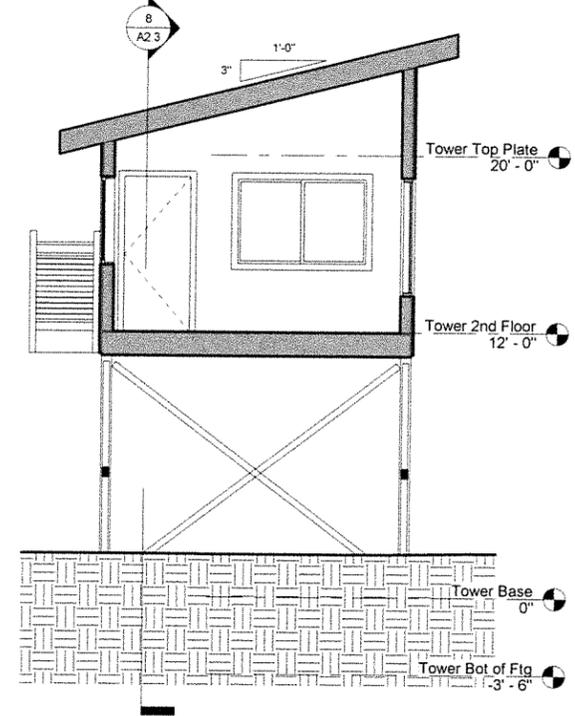
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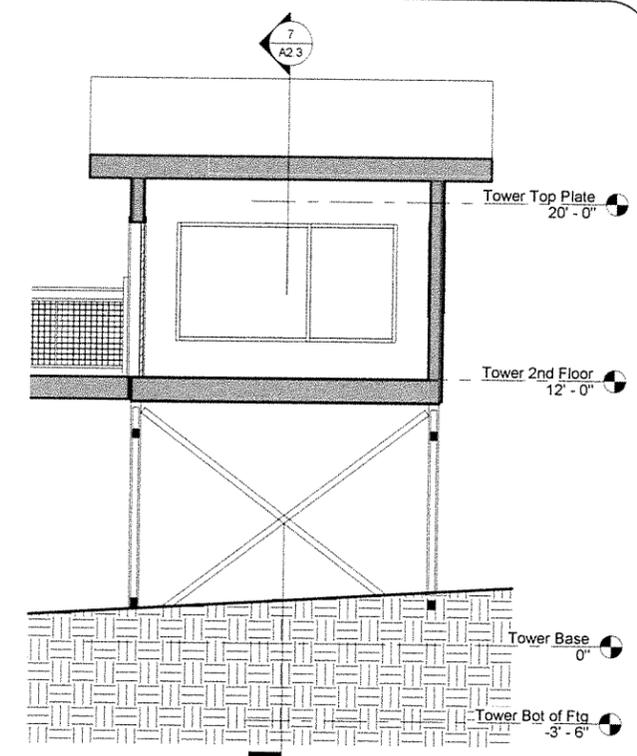
1 Timing Tower - 1st Floor Plan  
1/4" = 1'-0"



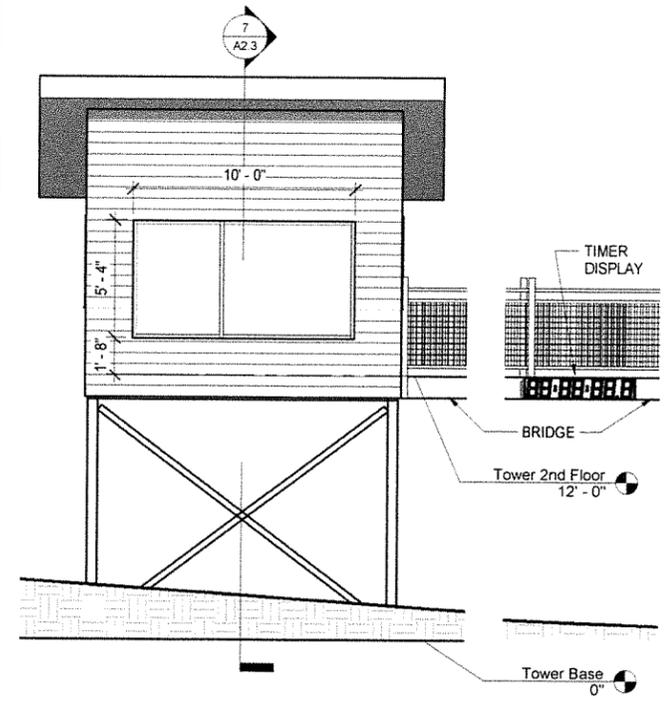
2 Timing Tower - 2nd Floor Plan  
1/4" = 1'-0"



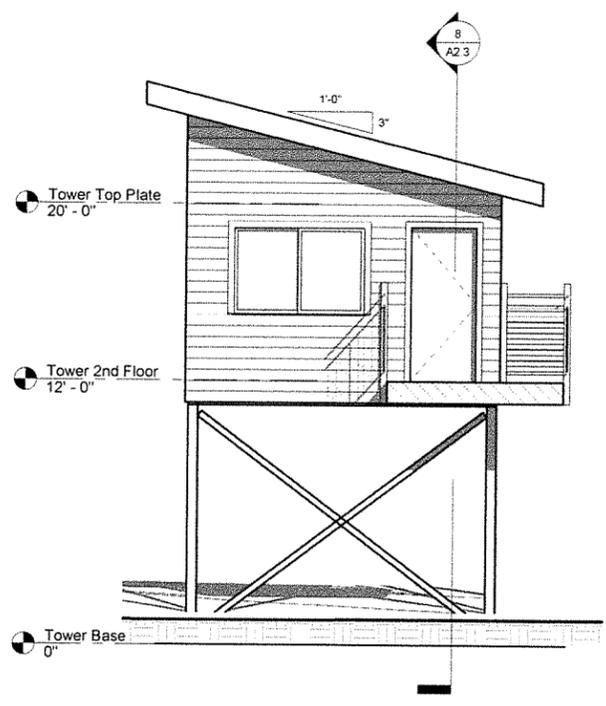
7 Tower - Building Section Looking North  
1/4" = 1'-0"



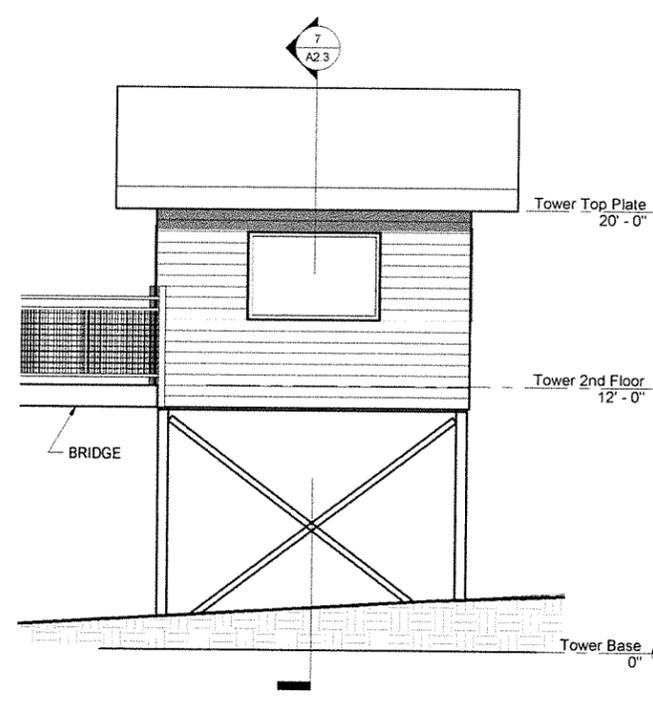
8 Tower - Section Looking East  
1/4" = 1'-0"



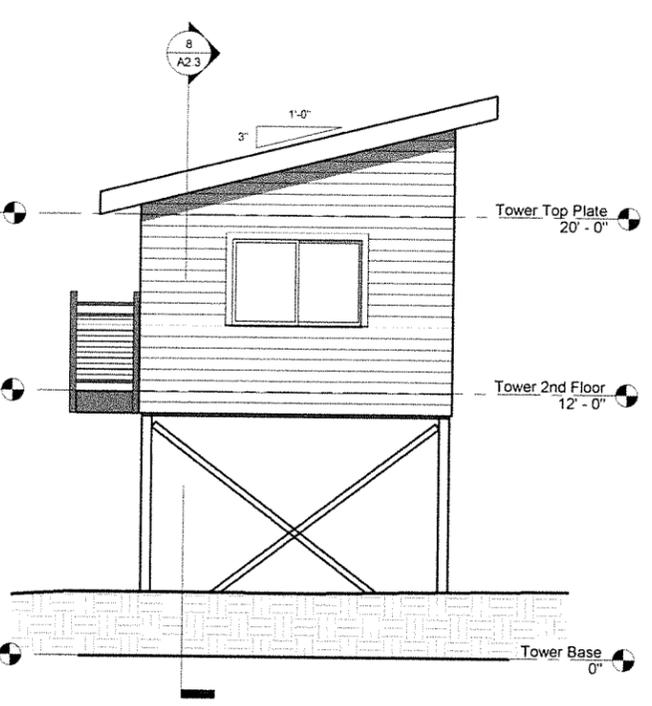
3 Timing Tower - East Elevation  
1/4" = 1'-0"



4 Timing Tower - North Elevation  
1/4" = 1'-0"



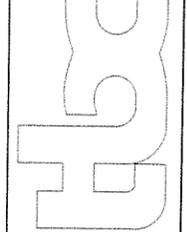
5 Timing Tower - West Elevation  
1/4" = 1'-0"



6 Timing Tower - South Elevation  
1/4" = 1'-0"

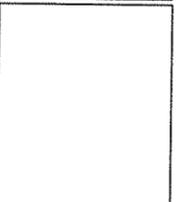
FNA Project #  
**2019\_67**  
Project Start Date:  
08-26-19  
Release Date: 03-18-2021  
Released for:  
Preliminary Set 06  
(CUP)

The Boulder Company, Inc.  
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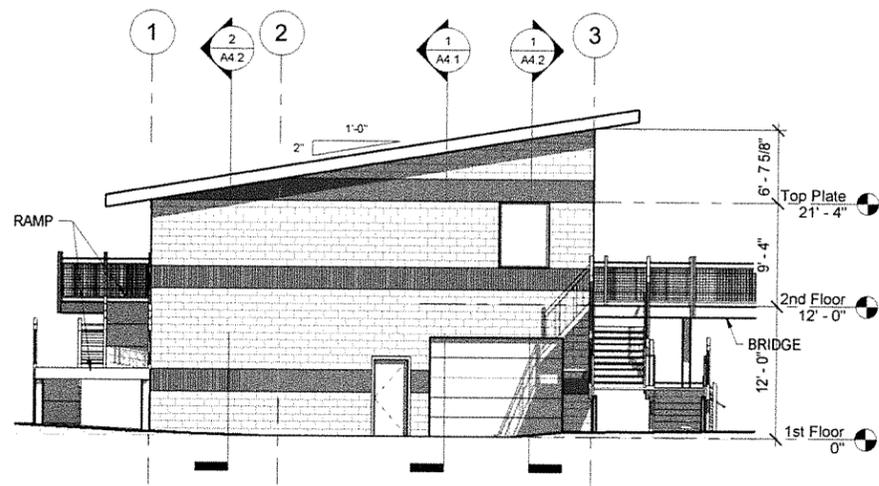
**FAULKBERRY & ASSOCIATES, INC. ARCHITECTS**  
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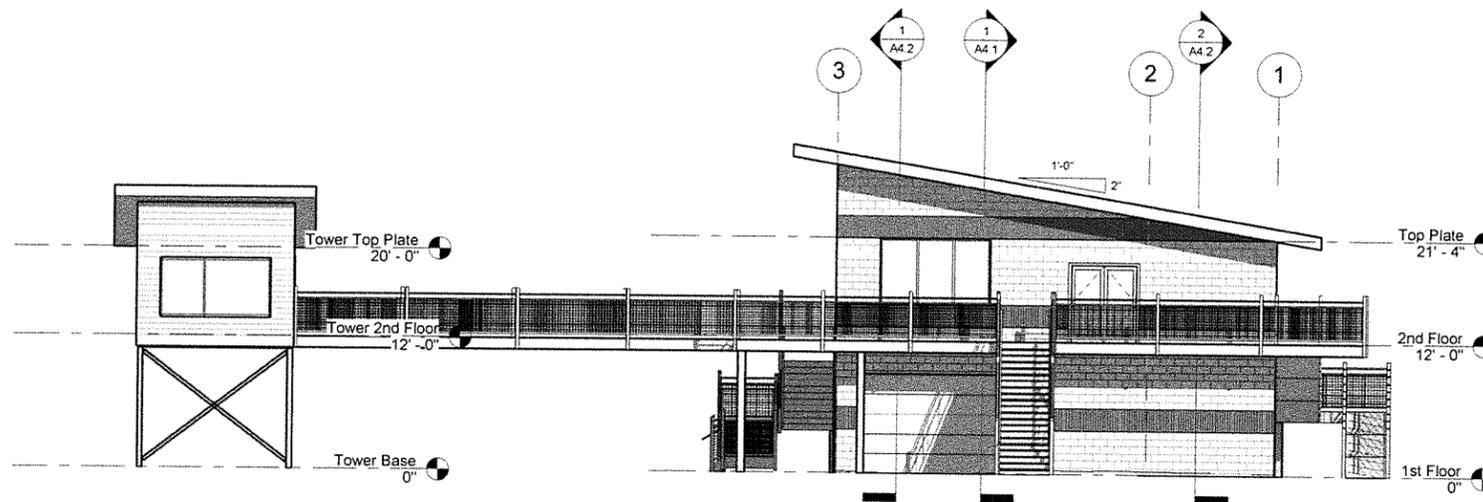
**Tozier Track Dog Sled Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

Permit #

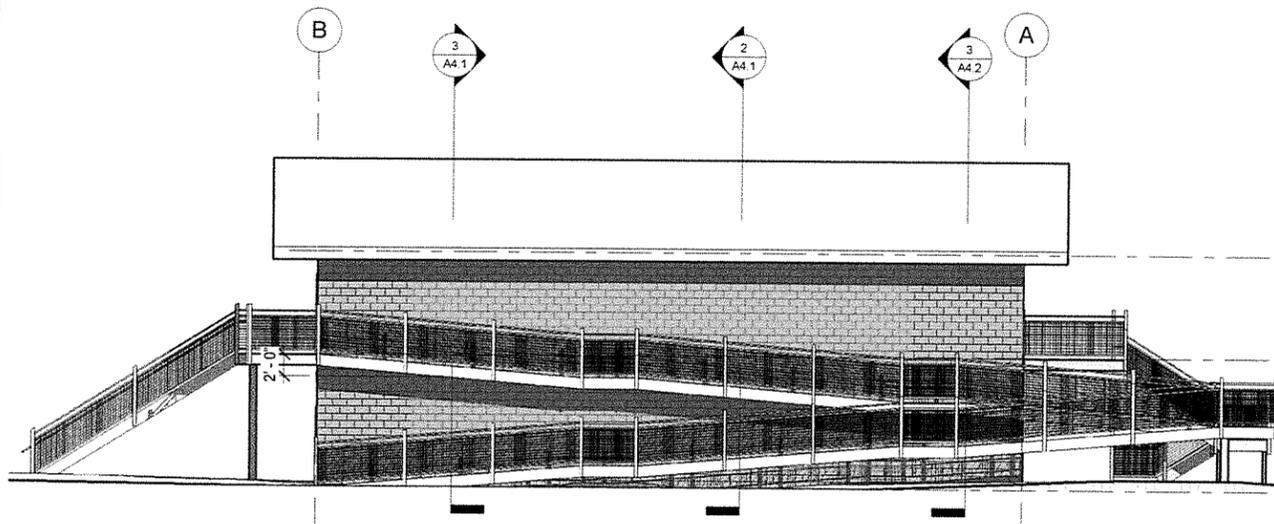
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Sheet name  
Timing Tower Plans  
Sheet number  
**A2.3**



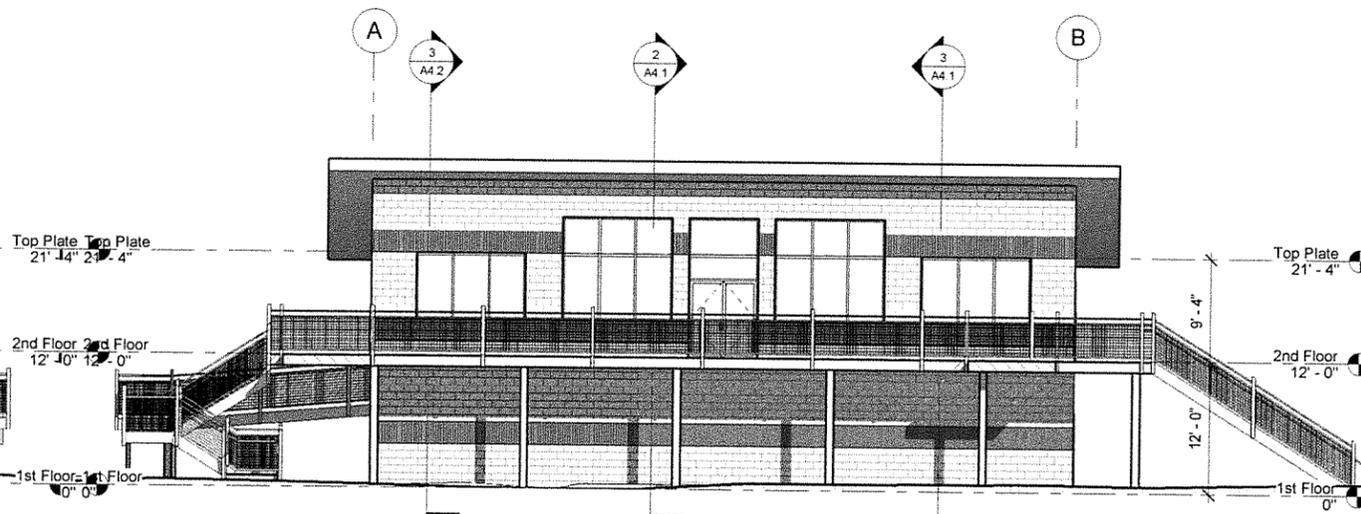
4 Event Building - West Elevation  
1/8" = 1'-0"



2 Event Building - East Elevation  
1/8" = 1'-0"



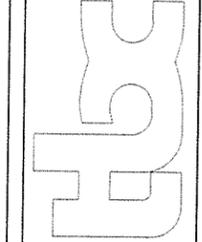
3 Event Building - North Elevation  
1/8" = 1'-0"



1 Event Building - South Elevation  
1/8" = 1'-0"

FNA Project #  
**2019\_67**  
Project Start Date  
08-26-19  
Release Date: 03-18-2021  
Released for:  
**Preliminary Set 06 (CUP)**

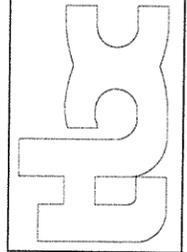
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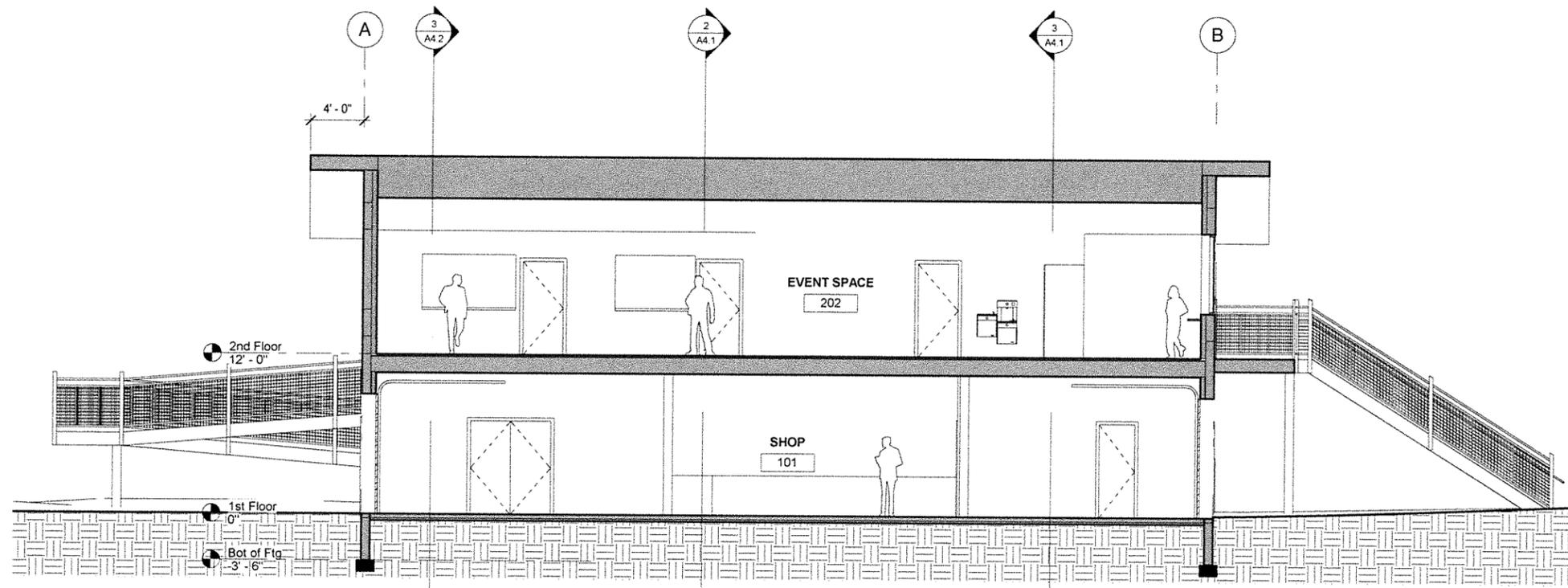
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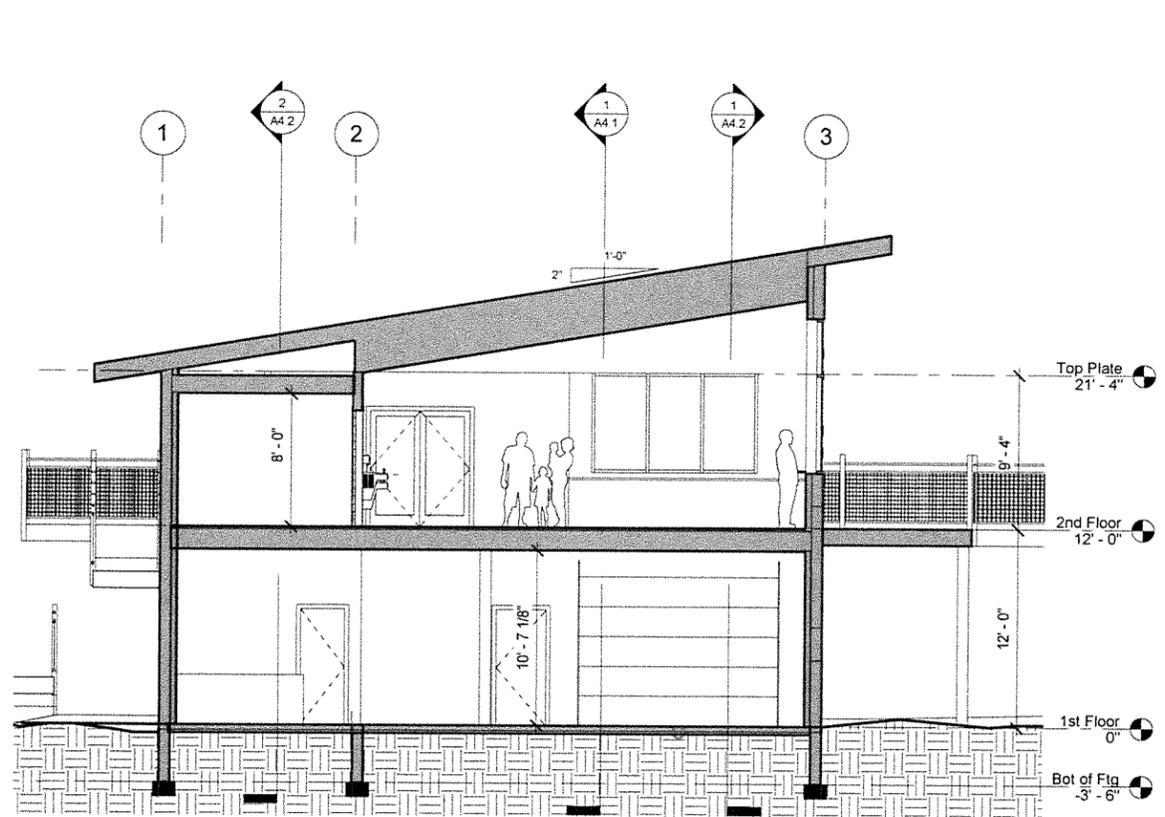
Permit #:  
**Tozier Track Dog Sled Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507  
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Sheet name:  
**Exterior Elevations - Event Bldg**  
Sheet number:  
**A3.1**



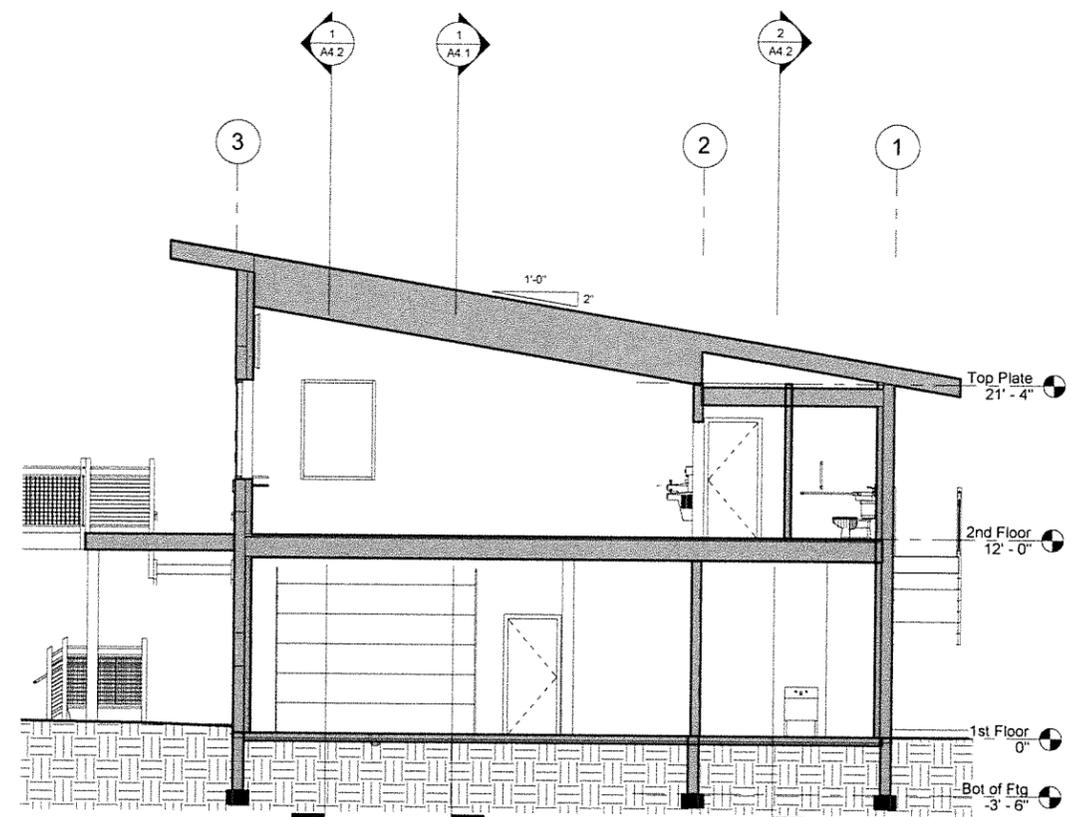
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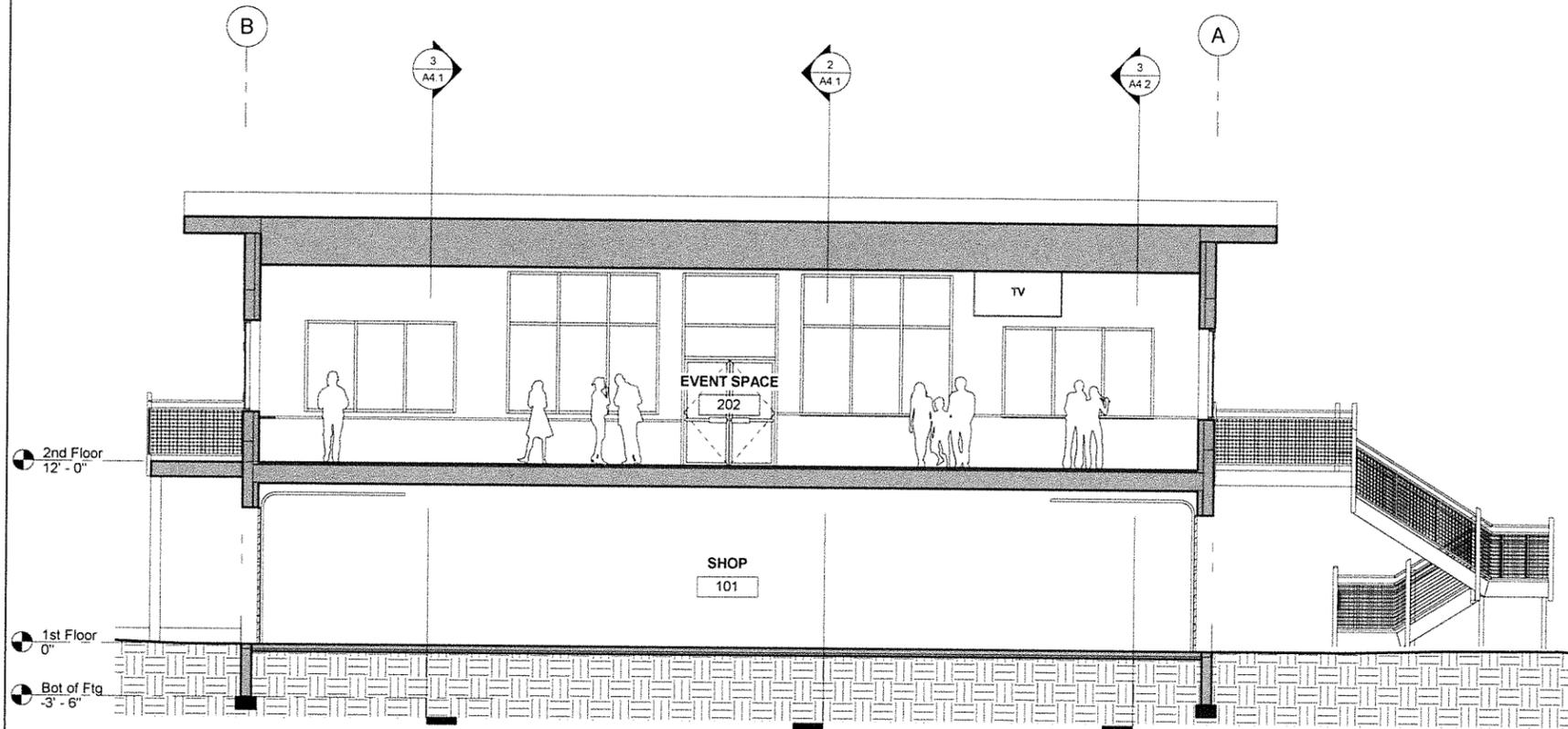
1 Event Building - Longitudinal Section Looking North  
 3/16" = 1'-0"



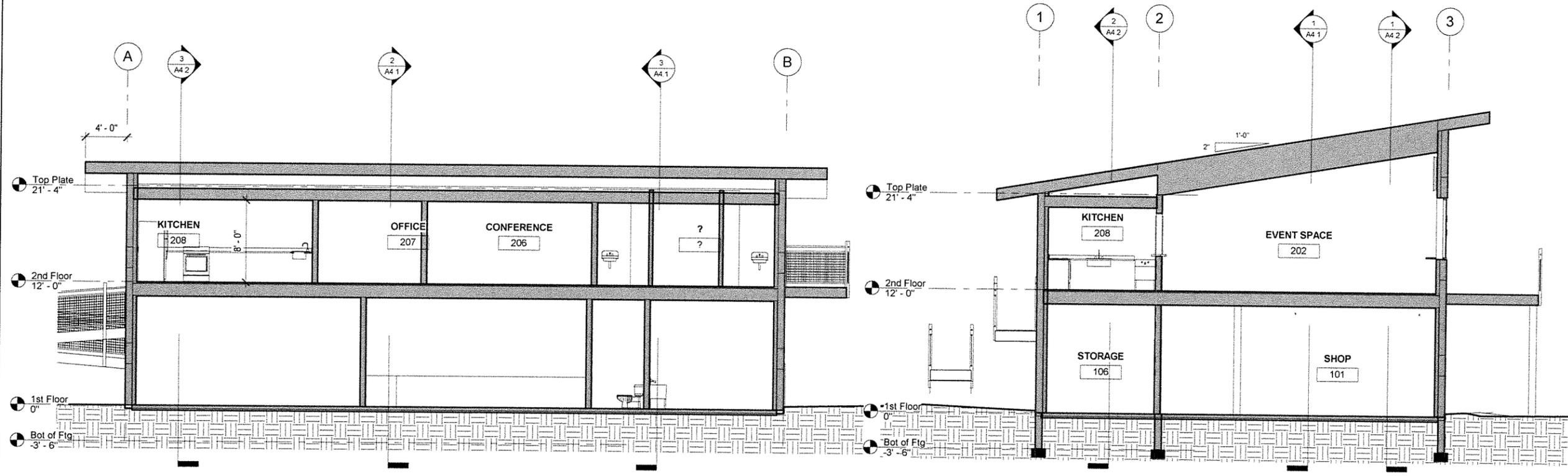
2 Event Building - Cross Section Through Kitchen Looking East  
 3/16" = 1'-0"



3 Event Building - Cross Section Through Toilet Looking West  
 3/16" = 1'-0"



1 Event Building - Longitudinal Section Looking South  
3/16" = 1'-0"

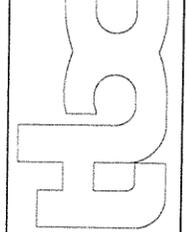


2 Event Building - Longitudinal Section Through Kitchen Looking North  
3/16" = 1'-0"

3 Event Building - Cross Section Through Office Looking East  
3/16" = 1'-0"

FNA Project #  
**2019\_67**  
Project Start Date:  
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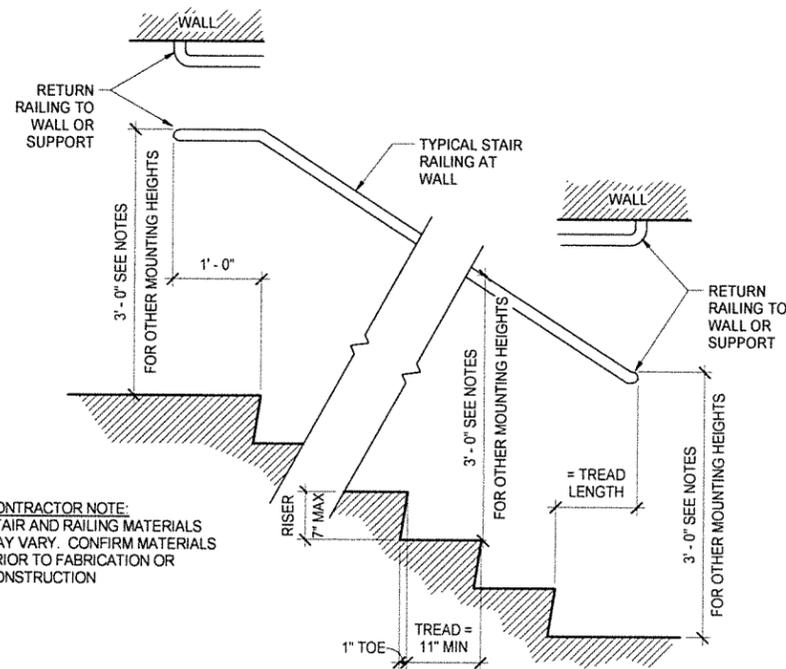
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P.O. Box 230083 - Anchorage, Alaska 99523-0083 - (907)522-9193

Permit #:  
**Tozier Track Dog Sled Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507  
Sheet name  
**Building Sections - Event Bldg**  
Sheet number  
**A4.2**



**CONTRACTOR NOTE:**  
STAIR AND RAILING MATERIALS  
MAY VARY. CONFIRM MATERIALS  
PRIOR TO FABRICATION OR  
CONSTRUCTION

**TYPICAL STAIR NOTES:**

1. PER IBC 1009.4 WIDTH, EXCEPTION 1: WIDTH SHALL BE 36 INCHES (MIN) AS OCCUPANT LOAD IS LESS THAN 50.
2. PER IBC 1009.5 HEADROOM: MINIMUM VERTICAL HEADROOM CLEARANCE SHALL BE 80 INCHES MEASURED VERTICALLY FROM A LINE CONNECTING THE EDGE OF THE NOSINGS.
3. PER IBC 1009.7.2 RISER HEIGHT AND TREAD DEPTH SHALL BE 7" HIGH (MAX) RISERS AND 11" (MIN) TREAD DEPTH.
4. PER IBC 1009.8 STAIRWAY LANDINGS: THE WIDTH OF LANDINGS SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRWAYS THEY SERVE. EVERY LANDING SHALL HAVE A MINIMUM WIDTH MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL EQUAL TO THE WIDTH OF THE STAIR. WHEN THE LANDING HAS A STRAIGHT RUN THE DEPTH NEED NOT EXCEED 48 INCHES.

**HANDRAIL NOTES**

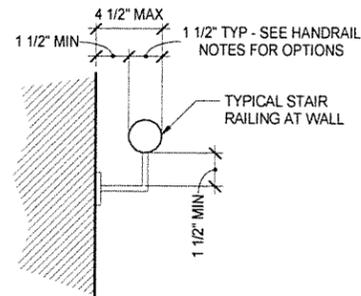
1. PER IBC 1012.2 HEIGHT: NOT LESS THAN 34 INCHES AND NOT MORE THAN 38 INCHES.
2. PER IBC 1012.3 GRASPABILITY: UNLESS NOTED OTHERWISE, HANDRAILS SHALL BE TYPE I WHICH HAS A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF AT LEAST 1 1/4 INCHES AND NOT GREATER THAN 2 INCHES. (SEE IBC 1012.3.1).
3. PER IBC 1012.4 CONTINUITY: HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS OR OTHER OBSTRUCTIONS.
4. PER IBC 1012.6 HANDRAIL EXTENSIONS: HANDRAILS SHALL RETURN TO A WALL, GUARD OR WALKING SURFACE OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12" BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER.
5. PER IBC 1012.7 CLEARANCE: PROVIDE A MINIMUM OF 1-1/2 INCHES OF CLEARANCE BETWEEN THE HANDRAIL AND A WALL OR OTHER SURFACE.
6. PER IBC 1012.8 PROJECTIONS: ON STAIRWAYS, PROJECTIONS INTO THE REQUIRED WIDTH OF THE STAIRS SHALL NOT EXCEED 4 1/2 INCHES AT OR BELOW THE HANDRAIL HEIGHT.

**GUARDRAILS**

1. PER IBC 1013.3 HEIGHT: GUARDRAILS SHALL BE NOT LESS THAN 42 INCHES HIGH, MEASURED VERTICALLY TO THE ADJACENT WALKING SURFACE.
2. PER IBC 1013.4 OPENING LIMITATIONS: GUARDS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 4 INCHES IN DIAMETER.

**1 Typical Railing Detail 1**

1" = 1'-0"



SEE TYPICAL HANDRAIL  
NOTES FOR ADDITIONAL  
INFORMATION AND OPTIONS

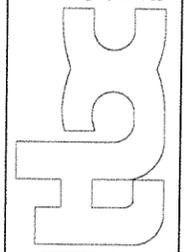
**2 Typical Railing Detail 2**

3" = 1'-0"

FNA Project #  
**2019\_67**  
Project Start Date:  
**08-26-19**

Release Date: **03-18-2021**  
Released for:  
**Preliminary Set 06 (CUP)**

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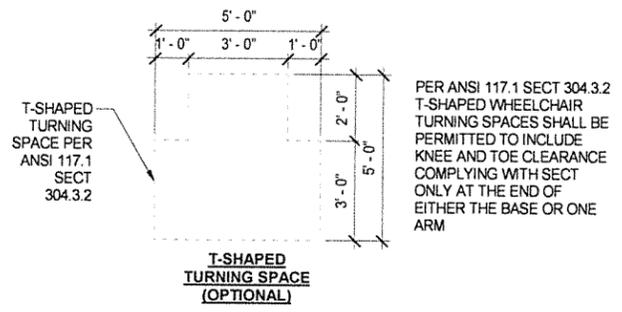
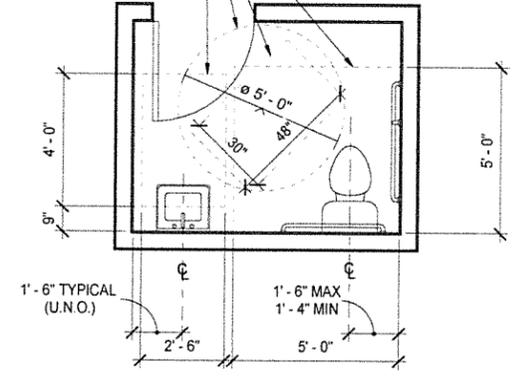
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**ARCHITECTS**  
Alaska Authorization #728980  
P.O. Box 230868 - Anchorage, Alaska 99523-0868 - (907)522-9183

Permit #:  
**Tozier Track**  
**Dog Sled**  
**Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507  
Plotted on: 3/18/2021 12:10:53 PM  
sheet name  
**Enlarged Stair Plans**  
sheet number  
**A5.1**

DASHED LINES INDICATE CLEAR FLOOR SPACE REQUIRED FOR FIXTURES - TYPICAL - PER ANSI A117.1 CLEAR FLOOR SPACES, CLEARANCES AT FIXTURES AND TURNING SPACES SHALL BE PERMITTED TO OVERLAP

**CONTRACTOR NOTE:**  
THIS DIAGRAM IS FOR CLEARANCE ILLUSTRATION ONLY. SEE PROJECT FLOOR PLAN FOR ACTUAL TOILET LAYOUT.



**TURNING SPACE NOTES:**  
PER ANSI 117.1 SECT. 304.3.1 IT IS PERMITTED FOR THE TURNING SPACE TO BE A 60-INCH MIN DIAMETER CIRCLE OR PER ANSI 117.1 SECT. 304.3.2 A T-SHAPED SPACE (SEE DIAGRAM THIS PAGE).  
PER ANSI 117.1. 304.4 UNLESS OTHERWISE NOTED, DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.  
**CLEAR FLOOR SPACE NOTES:**  
PER ANSI 117.1 SECT. 305.3 THE CLEAR FLOOR SPACE SHALL BE 48 INCHES (MIN.) IN LENGTH AND 30 INCHES (MIN) IN WIDTH.  
PER ANSI 117.1 SECT. 305.5 UNLESS NOTED, THE CLEAR FLOOR SPACE SHALL BE POSITIONED FOR EITHER A FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

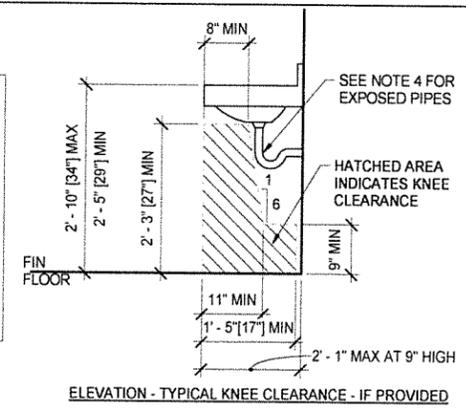
**GENERAL NOTES:**  
1. DIMENSIONS THIS PLAN ARE TO FACE OF FINISH  
2. SEE DETAILS ON THIS SHEET FOR NOTES AND MOUNTING DIMENSIONS FOR GRAB BARS - TYPICAL  
3. SEE FLOOR PLAN FOR TOILET ROOM LAYOUT

**FIXTURE NOTES:**  
1. TOP OF WC SEAT TO BE 17" MIN. TO 19" MAX. A.F.F.  
2. WATER CLOSETS SHALL BE MOUNTED 16" MIN. TO 18" MAX. FROM SIDE WALL PER ANSI 117.1 SECTION 604.2

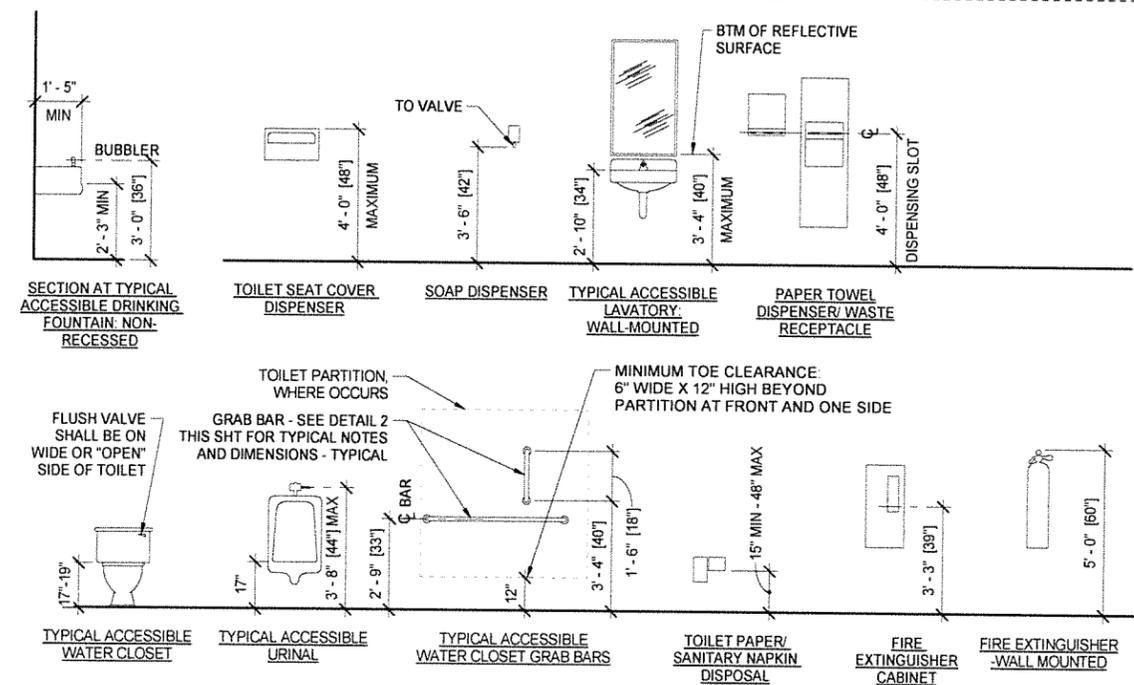
ANSI NOTES: TOILET ROOM FIXTURE LAYOUT PER ICC/ANSI A117.1-2003 - REFER TO CHAPTER 6 IN GENERAL. FOR WATER CLOSETS (604.2-604.4) & GRAB BARS (604.5 & 609).

**1 TYPICAL ACCESSIBLE TOILET ROOM PLAN CLEARANCES**  
3/8" = 1'-0"

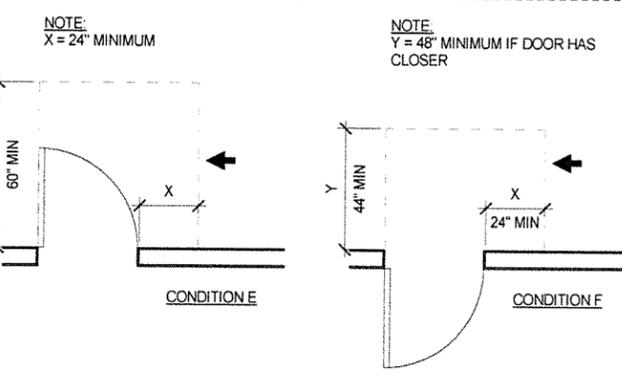
**TYPICAL TOILET ROOM SINK GENERAL NOTES:**  
1. FRONT OF LAVATORY SHALL BE 34" MAX AFF. MEASURED TO THE HIGHER OF THE FIXTURE RIM OR COUNTER SURFACE.  
2. SEE ELEVATION SKETCH IF KNEE CLEARANCE IS REQUIRED UNDER ELEMENT.  
3. SINK BOWL DEPTH SHALL BE 6 1/2" MAX DEPTH.  
4. EXPOSED WATER SUPPLY & DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER SINKS OR LAVATORIES.



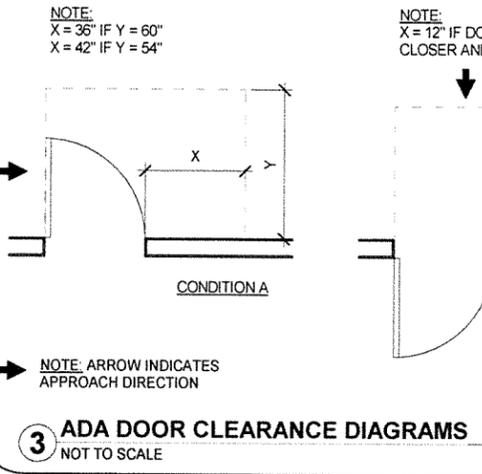
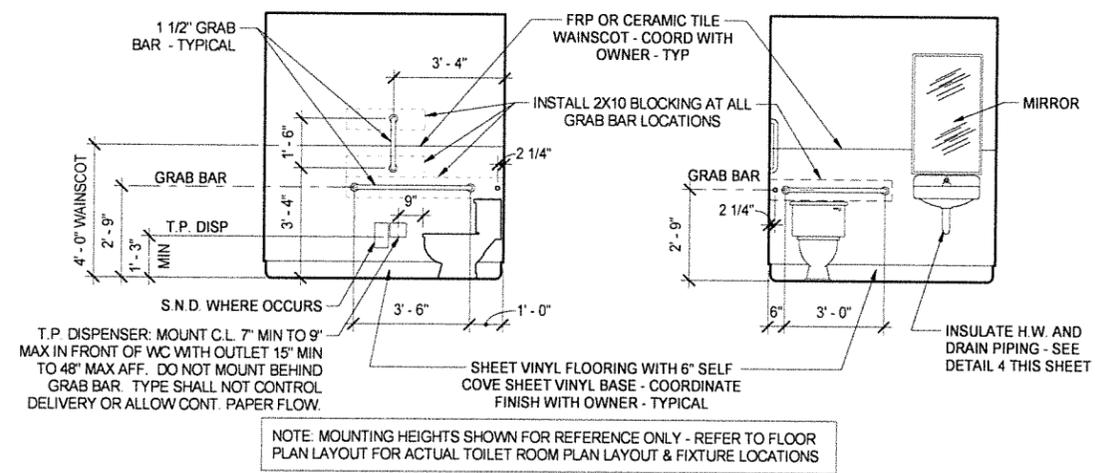
**4 TYPICAL ADA LAVATORY REQUIREMENTS**  
3/8" = 1'-0"



**5 TYPICAL MOUNTING HEIGHTS**  
3/8" = 1'-0"



**2 TYPICAL TOILET ROOM MOUNTING REQUIREMENTS**  
3/8" = 1'-0"



**MEASUREMENT TOLERANCES**

**AMC 23.15.1102 DEFINITIONS.**  
REVISE SECTION 1102.1 BY ADDING THE FOLLOWING DEFINITION:  
**CONVENTIONAL INDUSTRY TOLERANCES.**  
IN REFERENCE TO ICC A117.1-2009, SECTION 104.2 DIMENSIONS, CONVENTION INDUSTRY TOLERANCES SHALL BE 1 PERCENT OR ONE-HALF INCH, WHICH EVER RESULTS IN THE LESSER TOLERANCE.

FNA Project # 2019-67  
Project Start Date: 08-26-19  
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Permit #:  
Tozier Track Dog Sled Racing Venue  
Tudor Municipal Campus  
TBD - Doctor M.L.L. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

Sheet name: Toilet Room Mounting Heights  
Sheet number: A6.3

**GENERAL NOTES - GYPSUM ASSOCIATION - WALL CONSTRUCTION**

WALL CONSTRUCTION GENERAL NOTES:

- UNLESS OTHERWISE SPECIFIED, THE FACE LAYERS OF ALL SYSTEMS, EXCEPT THOSE WITH PREDECORATED OR METAL COVERED SURFACES, SHALL HAVE JOINTS TAPED AND FASTENER HEADS TREATED. BASE LAYERS IN MULTI-LAYER SYSTEMS SHALL NOT BE REQUIRED TO HAVE JOINTS OR FASTENERS TAPED OR COVERED WITH JOINT COMPOUND.
- METALLIC OUTLET BOXES SHALL BE PERMITTED TO BE INSTALLED IN WOOD AND STEEL STUD WALLS OR PARTITIONS HAVING GYP BD FACINGS AND CLASSIFIED AS TWO HOURS OR LESS. THE SURFACE AREA OF INDIVIDUAL BOXES SHALL NOT EXCEED 16 SQ. INCHES. THE AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQ. INCHES IN ANY 100 SQ. FT. BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE IN SEPARATE STUD CAVITIES AND SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES. APPROVED NONMETALLIC OUTLET BOXES SHALL BE PERMITTED AS ALLOWED BY LOCAL CODE.
- WATER-RESISTANT GYP BACKING BD SHALL BE INSTALLED OVER OR AS PART OF THE FIRE-RESISTANCE RATED SYSTEM IN SHOWER AND TUB AREAS TO RECEIVE CERAMIC OR PLASTIC WALL TILE OR PLASTIC FINISHED WALL PANELS. WHEN FIRE OR SOUND RATINGS ARE NECESSARY, THE GYP BD REQUIRED FOR THE RATING SHALL EXTEND DOWN TO THE FLOOR BEHIND FIXTURES SO THAT THE CONSTRUCTION IS EQUAL THAT OF THE TESTED SYSTEM.
- WHEN NOT SPECIFIED AS A COMPONENT OF A FIRE TESTED WALL OR PARTITION SYSTEM, MINERAL FIBER, GLASS FIBER OR CELLULOSE FIBER INSULATION OF A THICKNESS NOT EXCEEDING THAT OF THE STUD DEPTH SHALL BE PERMITTED TO BE ADDED WITHIN THE STUD CAVITY.
- IN EACH SYSTEM CONTAINING BATT OR BLANKET INSULATION THE INSULATION IS SPECIFIED TO BE EITHER MINERAL OR GLASS FIBER AND, FOR FIRE RESISTANCE, THE SYSTEM SHALL BE BUILT USING THE TYPE SPECIFIED.
- METAL STUDS AND RUNNERS ARE NOMINAL 25 GAGE UNLESS OTHERWISE SPECIFIED.
- GREATER STUD SIZES THAN THOSE INDICATED SHALL BE PERMITTED TO BE USED IN THE WALL SYSTEMS.
- METAL STUDS OF HEAVIER GAGE THAN THOSE INDICATED SHALL BE PERMITTED IN THE WALL SYSTEMS.
- THE ASSIGNED FIRE-RATING OF ANY LOAD-BEARING WALL SYSTEM SHALL ALSO APPLY TO THAT SAME SYSTEM WHEN USED AS A NON-LOAD BEARING SYSTEM.
- INDICATED JOIST, TRUSS OR STUD SPACINGS ARE MAXIMUMS.
- SPECIFIED FLOOR-CEILING AND ROOF-CEILING FRAMING SIZES AND TRUSS DIMENSIONS ARE MINIMUMS. GREATER JOIST OR TRUSS SIZES (DEPTHS) SHALL BE PERMITTED TO BE USED IN METAL OR WOOD-FRAMED SYSTEMS.
- SYSTEMS TESTED WITH METAL FURRING CHANNELS ATTACHED DIRECTLY TO THE BOTTOM CHORDS OF STEEL BEAMS, BAR JOISTS, OR WOOD TRUSSES OR FRAMING SHALL BE PERMITTED TO BE SUSPENDED. GENERALLY, FURRING CHANNELS ARE ATTACHED TO 1 1/2 INCH COLD ROLLED CARRYING CHANNELS 48 INCHES O.C. SUSPENDED FROM JOISTS BY 8 GA. WIRE HANGERS SPACED NOT GREATER THAN 48 INCHES O.C.
- WHERE LAMINATING COMPOUND IS SPECIFIED, TAPING, ALL-PURPOSE, AND SETTING TYPE JOINT COMPOUNDS SHALL BE PERMITTED.
- ADDITIONAL LAYERS OF TYPE 'X' OR REGULAR GYPSUM BOARD SHALL BE PERMITTED TO BE ADDED TO ANY SYSTEM.
- WHEN NOT SPECIFIED AS A COMPONENT OF A FIRE-RESISTANCE RATED WALL OR PARTITION SYSTEM, WOOD STRUCTURAL PANELS SHALL BE PERMITTED TO BE ADDED TO ONE OR BOTH SIDES. SUCH PANELS SHALL BE PERMITTED TO BE APPLIED EITHER AS A BASE LAYER DIRECTLY TO THE FRAMING (UNDER THE GYP BD), AS A FACE LAYER (OVER THE FACE LAYER OF GYP BD) OR BETWEEN LAYERS OF GYP BD IN MULTI-LAYER SYSTEMS. WHEN SUCH PANELS ARE ADDED, THE FASTENERS FOR THE GYP BD SHALL BE ADJUSTED ACCORDINGLY TO ACCOMMODATE, AS A MINIMUM, THE ADDITIONAL DEPTH OF THE STRUCTURAL PANEL. FASTENER SPACING FOR THE GYP BD SHALL BE AS SPECIFIED IN THE SYSTEM DESCRIPTION.

**1 Wall Types - General Notes**  
1 1/2" = 1'-0"

**GENERAL NOTES - GYPSUM ASSOCIATION - FIRE RESISTANCE**

FIRE-RATED WALL CONSTRUCTION GENERAL NOTES:

- METALLIC OUTLET BOXES SHALL BE ALLOWED TO BE INSTALLED IN WOOD OR STEEL PARTITION WALLS HAVING GYP BD FACINGS ONLY WHERE CLASSIFIED AS 2-HR FIRE - RATED CONSTRUCTION OR LESS.
- THE SURFACE AREA OF INDIVIDUAL OUTLET BOXES SHALL NOT EXCEED 16 SQUARE INCHES.
- AGGREGATE SURFACE AREA OF OUTLET BOXES SHALL NOT EXCEED 100 SQUARE INCHES IN ANY 100 SQUARE FEET.
- OUTLET BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE IN SEPARATE STUD CAVITIES AND SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
- NON-METALLIC OUTLET BOXES SHALL BE PERMITTED AS ALLOWED BY LOCAL CODE.
- WATER-RESISTANT GYP BD SHALL BE INSTALLED OVER OR AS PART OF THE FIRE-RESISTANCE RATED SYSTEM IN SHOWER AND TUB AREAS TO RECEIVE CERAMIC OR PLASTIC WALL TILE OR PLASTIC FINISHED WALL PANELS. WHEN FIRE OR SOUND RATINGS ARE NECESSARY, THE GYP BD REQUIRED FOR THE RATING SHALL EXTEND DOWN TO THE FLOOR BEHIND FIXTURES SO THAT THE CONSTRUCTION WILL EQUAL THAT OF THE TESTED SYSTEM.
- WHEN NOT SPECIFIED AS A COMPONENT OF A FIRE TESTED WALL OR PARTITION SYSTEM, MINERAL FIBER, GLASS FIBER, OR CELLULOSE FIBER INSULATION OF A THICKNESS NOT EXCEEDING THAT OF THE STUD DEPTH SHALL BE PERMITTED TO BE ADDED WITHIN A STUD CAVITY.
- SCREWS MEETING ASTM C 1002 SHALL BE PERMITTED TO BE SUBSTITUTED FOR THE PRESCRIBED NAILS, ONE FOR ONE, WHEN THE LENGTH AND HEAD DIAMETER OF THE SCREWS EQUAL OR EXCEEDS THOSE OF THE NAILS SPECIFIED IN THE TESTED SYSTEM AND THE SCREW SPACING DOES NOT EXCEED THE SPACING SPECIFIED FOR THE NAILS IN THE TESTED SYSTEM.
- VERTICALLY APPLIED GYP BD SHALL HAVE EDGES PARALLEL TO FRAMING MEMBERS.
- HORIZONTALLY APPLIED GYP BD SHALL HAVE THE EDGES AT RIGHT ANGLES TO THE FRAMING MEMBERS. INTERMEDIATE VERTICAL MEMBERS ARE THOSE BETWEEN THE VERTICAL EDGES OR ENDS OF THE BOARD.
- UNLESS OTHERWISE SPECIFIED, THE FACE LAYERS OF ALL SYSTEMS, EXCEPT THOSE WITH PRE-DECORATED OR METAL COVERED SURFACES, SHALL HAVE JOINTS TAPED (MIN. LEVEL 1 PER GA-214) AND FASTENER HEADS TREATED.
- BASE LAYERS IN MULTI-LAYER SYSTEMS SHALL NOT BE REQUIRED TO HAVE JOINTS OR FASTENERS TAPED OR COVERED WITH JOINT COMPOUND.
- METALLIC OUTLET BOXES SHALL BE PERMITTED TO BE INSTALLED IN WOOD AND STEEL STUD WALLS OR PARTITIONS HAVING GYP BD FACINGS AND CLASSIFIED AS TWO HOURS OR LESS.
- THE SURFACE AREA OF INDIVIDUAL BOXES SHALL NOT EXCEED 16 SQ. INCHES. THE AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQ. INCHES IN ANY 100 SQ. FT.
- BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE IN SEPARATE STUD CAVITIES AND SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES.
- APPROVED NONMETALLIC OUTLET BOXES SHALL BE PERMITTED AS ALLOWED BY LOCAL CODE.
- WATER-RESISTANT GYP BACKING BD SHALL BE INSTALLED OVER OR AS PART OF THE FIRE-RESISTANCE RATED SYSTEM IN SHOWER AND TUB AREAS TO RECEIVE CERAMIC OR PLASTIC WALL TILE OR PLASTIC FINISHED WALL PANELS. WHEN FIRE OR SOUND RATINGS ARE NECESSARY, THE GYP BD REQUIRED FOR THE RATING SHALL EXTEND DOWN TO THE FLOOR BEHIND FIXTURES SO THAT THE CONSTRUCTION IS EQUAL THAT OF THE TESTED SYSTEM.
- IN EACH SYSTEM CONTAINING BATT OR BLANKET INSULATION, THE INSULATION IS SPECIFIED TO BE EITHER MINERAL OR GLASS FIBER AND, FOR FIRE RESISTANCE, THE SYSTEM SHALL BE BUILT USING THE TYPE SPECIFIED.

**GENERAL NOTES - IBC - FIRE RESISTANCE ASSEMBLIES**

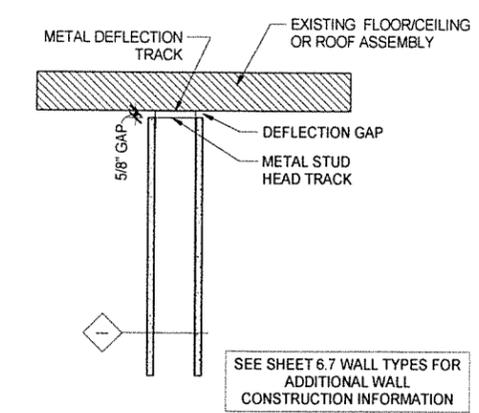
IBC - FIRE RESISTANCE ASSEMBLIES

- PER IBC 711.3.3; IN 1-HOUR FIRE-RESISTANCE-RATED FLOOR CONSTRUCTION, THE CEILING MEMBRANE IS NOT REQUIRED TO BE INSTALLED OVER UNUSABLE CRAWL SPACES.
- IN 1-HOUR FIRE-RESISTANCE-RATED ROOF CONSTRUCTION, THE FLOOR MEMBRANE IS NOT REQUIRED TO BE INSTALLED WHERE UNUSABLE ATTIC SPACE OCCURS ABOVE.
- PER MOA AMMEND. 23.15.717.4.2, EX. 3, THE ATTIC SPACE MAY BE SUBDIVIDED BY DRAFTSTOPS INTO AREAS NOT EXCEEDING 3,000 SF. OR ABOVE EVERY TWO DWELLING UNITS, WHICHEVER IS SMALLER. WHEN DRAFTSTOPPING IS INSTALLED TO SEPARATE EVERY TWO DWELLING UNITS AND EACH OF THESE UNITS IS SEPARATED BY A CORRIDOR, DRAFTSTOPPING IS NOT REQUIRED AT THE CORRIDOR WALL WHERE REQUIRED, ALL SUBDIVIDED AREAS SHALL BE VENTILATED IN ACCORDANCE WITH IBC 1203.2.
- PER IBC SECTION 717.3.1 "DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 0.5" (1/2") GYPSUM BOARD, 0.375" (3/8") STRUCTURAL PANEL (PLYWOOD OR OSB), 1-INCH NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED." THE DRAFTSTOPPING MATERIAL IS REQUIRED ON ONE SIDE ONLY.
- SEPARATIONS BETWEEN PARKING GARAGE (S-2) & R-2 APARTMENTS.
- 2 HOUR (PER IBC TABLE 508.3.3) OR 1 HOUR WITH SPRINKLER SYSTEM PER IBC TABLE 508.3.3, FOOTNOTE 'C' (AREAS USED ONLY FOR PRIVATE OR PLEASURE VEHICLES SHALL BE ALLOWED TO REDUCE SEPARATION BY 1 HOUR)
- PER IBC 704.5 EXTERIOR WALLS WITH A FIRE SEPARATION DISTANCE GREATER THAN 5 FT ARE REQUIRED TO RATED FOR EXPOSURE TO FIRE FROM THE INSIDE ONLY.

**GENERAL NOTES - GYPSUM ASSOCIATION - SOUND CONTROL**

SOUND CONTROL GENERAL NOTES:

- IN STC RATED SYSTEMS, SYSTEMS SHALL BE AIRTIGHT. SEAL OFF AIR LEAKS OR FLANKING PATH. FAILURE TO DO SO CAN REDUCE THE EFFECTIVENESS OF THE SYSTEM.
- RECESSED WALL FIXTURES, SUCH AS MEDICINE CABINETS OR ELECTRICAL, TELEPHONE, TELEVISION, OR INTERCOM OUTLETS, THAT PENETRATE THE GYP BD SHALL NOT BE LOCATED BACK-TO-BACK OR IN THE SAME STUD CAVITY.
- ANY OPENING FOR FIXTURES OR PIPES SHALL BE CUT TO THE PROPER SIZE AND SEALED.
- THE ENTIRE PERIMETER OF A SOUND INSULATING SYSTEM SHALL BE MADE AIRTIGHT TO PREVENT SOUND FLANKING.
- FLEXIBLE SEALANT OR AN ACOUSTICAL GASKET SHALL BE USED TO SEAL BETWEEN THE STC RATED SYSTEM AND ALL DISSIMILAR SURFACES AND ALSO BETWEEN THE SYSTEM AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED. TAPING GYP BD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS.



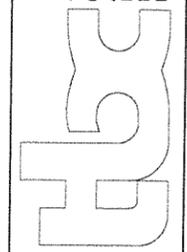
INTERIOR WALL -  
- NON-LOADBEARING SLIP-JOINT  
- SIM. TO ICC ESR-1042 (SYSTEM 3)

**2 Wall Types Details**  
1 1/2" = 1'-0"

FNA Project #  
**2019\_67**  
Project Start Date  
**08-26-19**

Release Date: **03-18-2021**  
Released for:  
**Preliminary Set 06 (CUP)**

The Boutel Company, Inc.  
601 E. 57th Place #102  
Anchorage, AK 99518  
PH. 907-522-6776  
FX. 907-522-6779  
License No. AEC03957



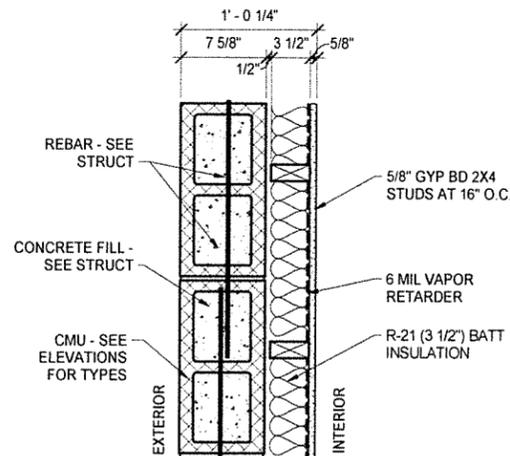
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3/18/2021  
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**FAULKENBERRY & ASSOCIATES, INC.**  
**ARCHITECTS**  
Alaska Authorization #7809D  
P.O. Box 230083 - Anchorage, Alaska 99522-0083 - (907)522-9183

Permit #:  
**Tozier Track**  
**Dog Sled**  
**Racing Venue**  
Tract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

Plotted on: 3/18/2021 12:10:56 PM  
Sheet name  
**Wall Type Notes**  
Sheet number  
**A6.6**

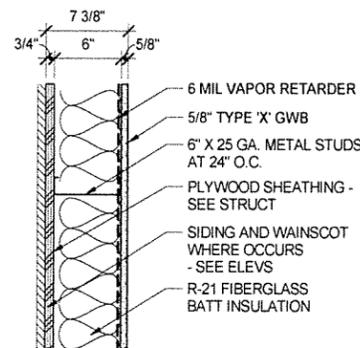
**MASONRY WALLS**



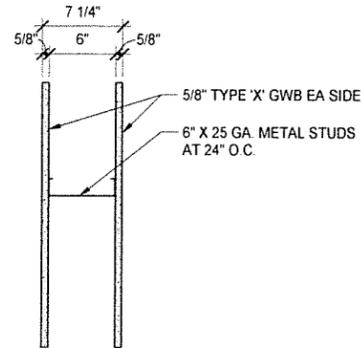
**M8B** EXTERIOR WALL - CMU

**M8B1** INTERIOR WALL - CMU  
SIMILAR TO TYPE "M8B"  
• OMIT GYP BD AND INSULATION

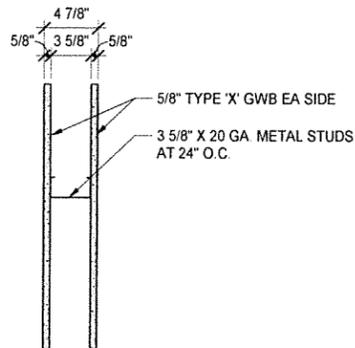
**METAL STUD WALLS**



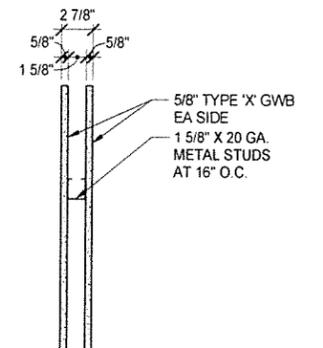
**S6A** EXTERIOR WALL  
- LOADBEARING NON-FIRE RATED  
- STC (N/A)  
- SIM. TO GA NO. (N/A)



**S6B** INTERIOR WALL  
- NON-LOADBEARING NON-FIRE RATED  
- STC 45-49  
- SIM. TO GA NO. WP 1072  
**S6B1** SIM TO TYPE "S6B"  
• GYP BD ONE SIDE ONLY  
**S6BS** SIM TO TYPE "S6B"  
• ADD SOUND BATT INSULATION

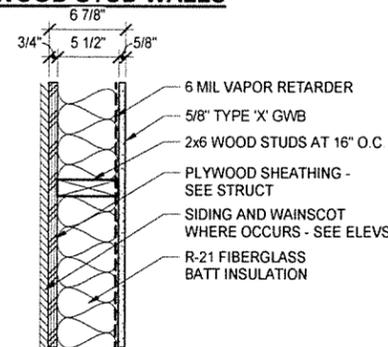


**S4A** INTERIOR WALL  
- NON-LOADBEARING NON-FIRE RATED  
- STC 40-44  
- SIM. TO GA NO. WP 1206  
**S4A1** SIM TO TYPE "S4A"  
• GYP BD ONE SIDE ONLY  
**S4AS** SIM TO TYPE "S4A"  
• ADD SOUND BATT INSULATION

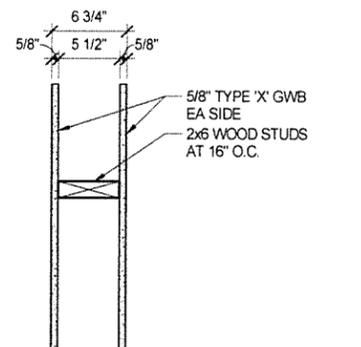


**S2A** INTERIOR WALL  
- NON-LOADBEARING NON-FIRE RATED  
- STC 40-44  
- SIM. TO GA NO. WP 1206  
**S2A1** SIM TO TYPE "S2A"  
• GYP BD ONE SIDE ONLY

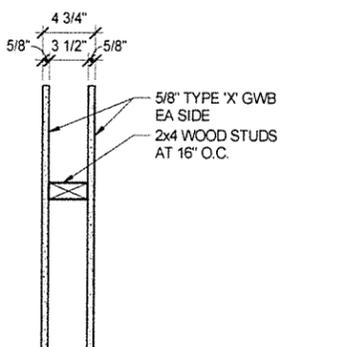
**WOOD STUD WALLS**



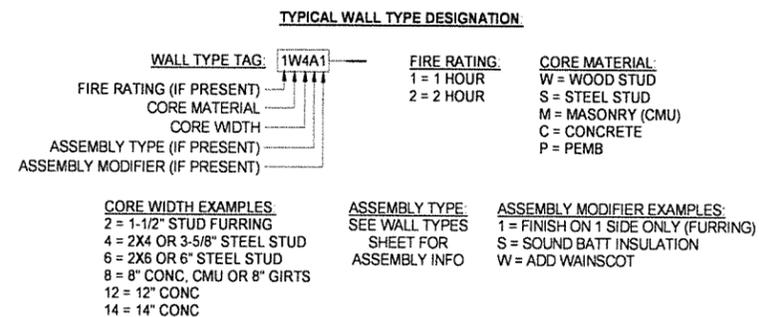
**W6A** EXTERIOR WALL  
- LOADBEARING NON-FIRE RATED  
- STC (N/A)  
- SIM. TO GA NO. (N/A)



**W6B** INTERIOR WALL  
- NON-LOADBEARING NON-FIRE RATED  
- STC 45-49  
- SIM. TO GA NO. WP 1072  
**W6B1** SIMILAR TO TYPE "W6B"  
• GYP BOARD ON ONE SIDE ONLY  
**W6BS** SIMILAR TO TYPE "W6B"  
• ADD SOUND BATT INSULATION



**W4A** INTERIOR WALL  
- NON-LOADBEARING NON-FIRE RATED  
- STC 40-44  
- SIM. TO GA NO. WP 1206  
**W4A1** SIMILAR TO TYPE "W4A"  
• GYP BOARD ON ONE SIDE ONLY  
**W4AS** SIMILAR TO TYPE "W4A"  
• ADD SOUND BATT INSULATION



**Wall Type Designation**  
1/4" = 1'-0"

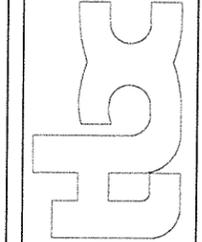
**GENERAL WALL NOTES:**

- CONTRACTOR HAS THE OPTION TO USE WOOD OR METAL STUDS
- ALL WALLS SHALL BE TAPED, SANDED AND READY FOR PAINT UNLESS NOTED OTHERWISE
- FASTENING (NON-FIRE-RESISTANCE RATED WALLS)**
  - FASTEN STUDS TOP AND BOTTOM TO RESIST 5 PSF LATERAL LOAD
  - FOR METAL STUDS:
    - FOR 16" O.C. STUD SPACING:
      - SECURE GYP BD WITH 1" (MINIMUM - 1-1/4" PREFERRED) TYPE 'S-12' DRYWALL SCREWS AT 16" O.C.
      - ATTACH STUDS TO TOP/BOTTOM PLATES WITH 1/2" TYPE 'S-12' PAN HEAD SCREWS
      - ATTACH 3/8" MINIMUM FROM ENDS AND EDGES OF PANELS
    - FOR 24" O.C. STUD SPACING:
      - SECURE GYP BD WITH 1" (MINIMUM - 1-1/4" PREFERRED) TYPE 'S-12' DRYWALL SCREWS AT 12" O.C.
      - ATTACH STUDS TO TOP/BOTTOM PLATES WITH 1/2" TYPE 'S-12' PAN HEAD SCREWS
      - ATTACH 3/8" MINIMUM FROM ENDS AND EDGES OF PANELS
    - STAGGER GYP BD JOINTS ON OPPOSITE SIDES
  - FOR WOOD STUDS:
    - FOR 16" O.C. STUD SPACING:
      - SECURE GYP BD WITH 1" (MINIMUM - 1-1/4" PREFERRED) TYPE 'W DRYWALL SCREWS AT 16" O.C.
      - 12" O.C. AT TOP/BOTTOM PLATES AND INTERMEDIATE STUDS.
      - 3/8" MINIMUM FROM ENDS AND EDGES OF PANELS.
    - STAGGER GYP BD JOINTS 24" ON OPPOSITE SIDES
- USE MOISTURE-RESISTANT GYP BD AT ALL WET AREAS

**1 Wall Types**  
1 1/2" = 1'-0"

FNA Project #  
**2019.67**  
Project Start Date:  
08-26-19  
Release Date: 03-18-2021  
Released for:  
Preliminary Set 06  
(CUP)

The Boulet Company, Inc.  
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License No. AECC0957



**PRELIMINARY**  
3/18/2021  
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**FAULKENBERRY & ASSOCIATES, INC. ARCHITECTS**  
Alaska Authorization #72699D  
P.O. Box 230083 - Anchorage, Alaska 99523-0083 - (907)522-9193

Permit #:  
**Tozier Track Dog Sled Racing Venue**  
TTract 6  
Tudor Municipal Campus  
TBD - Doctor M.L.K. Jr. Avenue and Tudor Center Drive  
Anchorage, AK 99507

Sheet name:  
**Wall Types**  
Sheet number:  
**A6.7**