

# **Ptarmigan Elementary School Area Pedestrian Improvements**

## **INVITATION TO BID NO. 2023C011**



**Municipality of Anchorage  
Public Works Department  
Project Management & Engineering  
PO Box 196650  
Anchorage, AK 99519**



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN  
IMPROVEMENTS  
21-19**

MASTER INDEX

- I. INVITATION TO BID
- II. SPECIAL PROVISIONS
- III. SUBMITTAL LIST
- IV. TEMPORARY CONSTRUCTION PERMITS AND EASEMENTS
- V. EQUAL EMPLOYMENT OPPORTUNITY SPECIAL PROVISIONS
- VI. MINIMUM RATES OF PAY
- VII. CONTRACT
- VIII. CONTRACT PERFORMANCE AND PAYMENT BOND
- IX. CERTIFICATE OF INSURANCE
- X. BID BOND
- XI. BIDDER'S CHECKLIST AND RESPONSIBLE BIDDER QUESTIONNAIRE
- XII. BID PROPOSAL
- XIII. PLANS (12 SHEETS)
- XIV. Appendix A – Project Information Sign Detail





**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**I**

**INVITATION TO BID**



# MUNICIPALITY OF ANCHORAGE

## PURCHASING DEPARTMENT

Invitation to Bid

**No. 2023C011**

Sealed bids will be received in accordance with the time schedule shown below by the Municipality of Anchorage at the Purchasing Department, 632 W. 6th Ave., Suite 520, Anchorage, Alaska 99501 for:

### **Ptarmigan Elementary School Area Pedestrian Improvements**

The Work that is presented in the Bid Proposal for this Contract consists of approximately 170 SY of New Sidewalk; 5 Curb Ramps; 475 L.F. of Curb and Gutter Removal and Replacement; 385 Tons of A.C. Pavement; 1,870 S.Y. of Pavement Removal; 1 Catch Basin, and other related work.

ESTIMATED CONSTRUCTION COST: **Between: \$100,000 - \$500,000**

**Site Visit:** N/A

**Pre-Bid Conference:** 3:00 P.M. Local Time, March 21, 2023

**Questions Due:** 12:00 P.M. Local Time, March 24, 2023

**Bid Opening:** 2:00 P.M. Local Time, April 6, 2023

**All Pre-Bid Conferences and/or Bid Openings may be attended in person or via conference call at this number (907) 343-6089. You may call in five (5) minutes before any scheduled conference. EMAILED BIDS WILL NOT BE ACCEPTED.**

**ALL QUESTIONS SHALL BE SUBMITTED PRIOR TO THE QUESTION DUE DATE THIS WILL BE THE FINAL OPPORTUNITY TO ASK QUESTIONS OR REQUEST CLARIFICATIONS.**

Requests for interpretation or clarification of the bidding Documents shall be made in writing to the Purchasing Office ([wwpur@muni.org](mailto:wwpur@muni.org)). Please reference the Invitation to Bid Number & Project Title. Do not contact the specified department directly.

To maintain the project schedule, Interpretations, corrections, or changes to the Bidding Documents shall be made by Addendum and shall not be binding unless included in the Addendum. It is your responsibility to periodically check the website for addenda.

Municipality of Anchorage  
ITB: 2023C011

At the above indicated time, the bids will be opened publicly and read. Bids must be received by the Purchasing Officer prior to the time fixed for opening of the bids to be considered. Time of receipt will be as determined by the time stamp in the Purchasing Office, Suite 520.

The Municipality of Anchorage reserves the right to reject any and all bids and to waive any informalities in the bids. No bidder may withdraw his bid after the hour set for the opening of bids or before the award of contract unless said award is delayed for a period exceeding sixty (60) days from the time of the opening.

The Municipality shall not be responsible for bid preparation costs, nor for costs, including attorney fees, associated with any (administrative, judicial or otherwise) challenge to the determination of the lowest responsive and responsible bidder and/or award of contract, and/or rejection of bids. By submitting a bid, each bidder agrees to be bound in this respect and waives all claims to such costs and fees.

Contracts shall be awarded by written notice issued by the Purchasing Officer to the lowest responsive and responsible bidder; however, preference will be given to local bidders in compliance with Anchorage Municipal Code Section 7.20.040.

The Municipality of Anchorage assumes no responsibility for any interpretations or presentations made by any of its officers or agents unless such interpretations or presentations are made by written addendum to this Invitation to Bid.

Bonding Requirements are per MASS/MASS B or as per special provisions

**THE MUNICIPALITY OF ANCHORAGE IS AN "EQUAL OPPORTUNITY EMPLOYER"**

PUBLISH ONE TIME

Date: March 15, 2023

Senior Buyer Assigned to this Project:  
Melanie A Clark

*Chris Hunter*  
\_\_\_\_\_  
Chris Hunter  
Deputy Purchasing Director

**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**II**

**SPECIAL PROVISIONS**



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN  
IMPROVEMENTS**

**21-19**

INDEX TO SPECIAL PROVISIONS

	<u>PAGE</u>
SECTION 95.01 LOCATION AND SCOPE.....	1
SECTION 95.02 REFERENCE TO MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS .....	1
SECTION 95.03 TIME OF COMPLETION .....	2
SECTION 95.04 MODIFICATIONS AND/OR ADDITIONS TO MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS.....	2
A. DIVISION 10 STANDARD GENERAL PROVISIONS .....	2
SECTION 10.00 ALL APPLICABLE M.A.S.S. ARTICLES.....	2
SECTION 10.03 AWARD AND EXECUTION OF CONTRACT.....	2
Article 3.4 Action on Bids .....	2
SECTION 10.04 SCOPE OF WORK.....	2
Article 4. Work Incidental to the Contract .....	2
Article 4.17 Utilities .....	3
Article 4.22 Project Information Signs.....	4
SECTION 10.05 CONTROL OF WORK.....	5
Article 5.27 Liquidated Damages.....	5
Article 5.31 Winter Suspension.....	5
SECTION 10.06 LEGAL RELATIONS AND RESPONSIBILITIES .....	5
Article 6.1 Laws to be Observed.....	5

## INDEX TO SPECIAL PROVISIONS (CONT.)

PAGE

B.	DIVISION 20 STANDARD CONSTRUCTION SPECIFICATIONS FOR EARTHWORK.....	6
	SECTION 20.05 CLEARING.....	6
	Article 5.2 Construction.....	6
	SECTION 20.09 REMOVAL OF PAVEMENT.....	6
	Article 9.2 Construction.....	6
	SECTION 20.21 CLASSIFIED FILL AND BACKFILL.....	7
	Article 21.2 Material.....	7
	Article 21.3 Construction.....	8
	Article 21.4 Measurement.....	8
	SECTION 20.22 LEVELING COURSE.....	8
	Article 22.2 Material.....	8
	Article 22.3 Construction.....	10
	Article 22.4 Measurement.....	11
C.	DIVISION 30 STANDARD CONSTRUCTION SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE.....	11
	SECTION 30.02 PORTLAND CEMENT CONCRETE, CURB AND GUTTER AND VALLEY GUTTER.....	11
	Article 2.2 Materials.....	11
	SECTION 30.03 PORTLAND CEMENT CONCRETE SIDEWALK.....	11
	Article 3.2 Materials.....	11
	SECTION 30.04 PORTLAND CEMENT CONCRETE CURB RAMPS.....	12
	Article 4.2 Materials.....	12
D.	DIVISION 40 STANDARD CONSTRUCTION SPECIFICATIONS FOR ASPHALT SURFACING.....	13
	SECTION 40.01 GENERAL.....	13
	Article 1.7 Asphalt Price Adjustment.....	13
E.	DIVISION 50 STANDARD CONSTRUCTION SPECIFICATIONS FOR SANITARY SEWERS.....	15
	SECTION 50.06 EXISTING MANHOLE MODIFICATIONS.....	15
	Article 6.1 Measurement.....	15
	Article 6.6 Basis of Payment.....	15



INDEX TO SPECIAL PROVISIONS (CONT.)		PAGE
F.	DIVISION 55 STANDARD CONSTRUCTION SPECIFICATIONS FOR STORM DRAIN SYSTEMS .....	16
	SECTION 55.02 FURNISH AND INSTALL PIPE .....	16
	Article 2.2 Material .....	16
	SECTION 55.25 STORM DRAIN CLOSED CIRCUIT TELEVISION INSPECTIONS.....	16
	Article 25.5 Measurement .....	16
	SECTION 55.27 CONNECT TO EXISTING STORM DRAIN PIPE.....	16
	Article 27.1 General .....	16
	Article 27.2 Material.....	16
	Article 27.3 Construction .....	17
	Article 27.4 Measurement .....	17
G.	DIVISION 70 STANDARD CONSTRUCTION SPECIFICATIONS MISCELLANEOUS .....	18
	SECTION 70.12 TRAFFIC MAINTENANCE .....	18
	Article 12.6 Public Notice .....	18
H.	DIVISION 75 STANDARD CONSTRUCTION SPECIFICATIONS FOR LANDSCAPING IMPROVEMENTS .....	19
	SECTION 75.04 SEEDING .....	19
	Article 4.3 Application.....	19

## **MUNICIPALITY OF ANCHORAGE TRAFFIC ENGINEERING DEPARTMENT**

### **PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

#### **SPECIAL PROVISIONS**

##### **SECTION 95.01 LOCATION AND SCOPE**

All proposed work is located within the Municipality of Anchorage corporate limits and is more particularly located at Newell Street between Rocky Mountain Court and East 6<sup>th</sup> Avenue, see Drawings for detailed locations. The work included under this Contract consists of but is not limited to the following work:

- Construction of pedestrian improvements along Newell Street.
- Reconstruction of associated curb and gutter, signing and striping, curb ramps, pavement, and minor storm drain.

It is the responsibility of the bidder to prepare the bid so that all materials and/or fittings shall harmoniously conform to the intent of the Contract Drawings, Specifications, and Special Provisions.

##### **SECTION 95.02 REFERENCE TO MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS**

This Contract is subject to and hereby incorporates by reference the Municipality of Anchorage Standard Specifications, dated 2015, hereinafter referred to as M.A.S.S.; APDES Permit AKS-052558, the Alaska Sign Design Specifications (ASDS) as adopted and amended by the Municipality; the Municipality of Anchorage Sign Manual; the Alaska Traffic Manual (ATM)-Manual on Uniform Traffic Control Devices (MUTCD) 2009 Edition, with the Alaska supplement, dated 1/13/12; the National Electrical Safety Code (NESC) as amended and adopted by the Municipality; the National Electrical Code as amended and adopted by the Municipality of Anchorage; and the Edition of the Standard Specifications for Structural Supports for Highway Sign, Luminaires and Traffic Signals provided in the appropriate divisions. When conflicts exist between M.A.S.S. and MUTCD, the requirements of M.A.S.S. and these Special Provisions shall govern.

**SECTION 95.03 TIME OF COMPLETION**

This Project shall be completed within thirty (30) calendar days after the Notice-to-Proceed is issued.

**SECTION 95.04 MODIFICATIONS AND/OR ADDITIONS TO MUNICIPALITY OF ANCHORAGE standard SPECIFICATIONS**

The following listed provisions of M.A.S.S. are amended as hereinafter stated:

**A. DIVISION 10 STANDARD GENERAL PROVISIONS**

*Add the following Section:*

**SECTION 10.00 ALL APPLICABLE M.A.S.S. ARTICLES**

Delete all references to and requirements for compliance with Anchorage Municipal Code Chapter 7.60 the Disadvantaged/Women Owned Business (DBE/WBE) program and specifications.

**SECTION 10.03 AWARD AND EXECUTION OF CONTRACT**

**Article 3.4 Action on Bids**

*Delete the last paragraph and replace with the following:*

Unless otherwise specified in the Invitation to Bid, Notice of Award or rejection shall be given within forty-five (45) days of Bid opening. The notice shall be in writing and signed by the Purchasing Officer or authorized designee. A Notice of Award shall constitute an acceptance of the Bid. No other act(s) of the Municipality or its representatives shall constitute an acceptance of a Bid. The acceptance of a Bid shall bind the successful Bidder to execute the Contract.

**SECTION 10.04 SCOPE OF WORK**

**Article 4. Work Incidental to the Contract**

*Add the following item:*

14. Installation of flexible delineators at the end of culverts, ends of retaining walls, field inlets, and other locations that may be hazardous or should be delineated for snow removal operations as determined by the Engineer.

## **Article 4.17 Utilities**

### **C. Gas**

*Add the following paragraphs:*

The Contractor shall download and follow the most current construction guidelines published by ENSTAR. Those guidelines can be downloaded from:

<https://www.enstarnaturalgas.com/safety-education/natural-gas-safety/safety-for-excavators-contractors/>

*Click on the link in the last sentence of the first paragraph.*

The Final Rule from the PHMSA website can be obtained from:

<http://www.phmsa.dot.gov/nprm-anprm/PHMSA-2009-0192>

*Click on the "Excavation Damage 80 FR 43836 Final Rule" link on the right hand side.*

### **D. Electrical and Telecommunications**

*Add the following paragraphs:*

The Contractor shall download and follow the most current construction guidelines published by Chugach Electric Association. Those guidelines can be downloaded from:

<http://www.chugachelectric.com/media-room/publications-request>

*Click on the link titled "Electrical Facility Clearance Requirements".*

*The following contact information is provided as a courtesy to the Contractor and is the most currently available.*

Alaska Communication Systems (ACS) North ANC – Francisco Martin, 564-1785 or 231-7369

Alaska Communication Systems (ACS) South ANC – Duilio Guerrero, 564-1522

Anchorage Water & Wastewater Utility (AWWU) – Shawn Dooley, 564-2786

AT&T – Mike Barsalou, 264-7325

Chugach Electric Association (CEA) – Victor Willis, 230-7536

ENSTAR Natural Gas – Stan Staples, 334-7777

GCI – Steven Cranford, 868-6769

Municipal Street and Storm Drain Maintenance – Eric Hodgson, 343-8100  
Municipal Street Light Maintenance – Eric Hodgson, 343-8100  
Municipal Traffic Signals Section – Levi Piehl, 343-8363  
Solid Waste Services (SWS) – Evalu Filitaula, 343-6258 or 317-6863  
Matanuska Electric Association (MEA) – John Foutz, 761-9265  
Matanuska Telephone Assoc. (MTA) – Robbie Nash, 761-2704 or 355-1687  
Eagle River Street & Storm Drain Maintenance – Mark Littlefield, 343-1512  
Alaska Waste – Josh James, 688-4446

*Add the following Articles:*

#### **Article 4.22 Project Information Signs**

Prior to beginning of any work on the project, Contractor shall install one (1) project information sign(s) (combination owner and contractor supplied materials), in accordance with Section 70.12, Article 12.7 - Traffic Control Devices, in a location directed by the Engineer. The Owner supplied project information signs shall be available for pick up at 5701 Northwood Drive, Monday thru Thursday from 8:00 a.m. to 4:00 p.m. Contact Paul VanLandingham at 343-8372 (office) or 317-7054 (cell) to coordinate pickup.

Owner-supplied materials are as follows:

- Project Information Sign - one (1) 4'x8'x $\frac{3}{4}$ " MDO wood sign Project Name, Project No. XX-XX.

Contractor provided materials are as follows:

- Sign Frame - one (1) 2"x4" lumber pre-assembled in a rectangular shape measuring 4-foot by 8-foot
- Post Skids – assembled, two (2) EA 4"x6" lumber standing vertical 8-foot in height, with 8-foot base attached with a  $\frac{3}{4}$ " plywood gusset between the 2 vertical pieces.

Assembly shall be constructed per Appendix A Project Information Sign(s) detail. Once assembled and positioned as directed by the Engineer, the Contractor shall supply and secure each post skid with two (2) each 60-pound sand bags, or provide equivalent anchoring system as approved by the Engineer. The Contractor shall be responsible for maintaining placement and possible location adjustment if required per the Engineer, and for overall maintenance of the signs.

Following final completion of the project, Contractor shall disassemble the signs and return the owner-provided materials to 5701 Northwood Drive. Contact Paul VanLandingham at 343-8372 (office) or 317-7054 (cell) to coordinate drop-off.

All Work in this Article shall be considered incidental to the project.

## **SECTION 10.05 CONTROL OF WORK**

### **Article 5.27 Liquidated Damages**

*Add the following paragraph:*

The Owner may withhold from any progress payment the sum of \$500 per day as Liquidated Damages for each and every calendar day that the Substantial Completion Date is delayed beyond the Contract Completion Date. The Owner may withhold out of any progress payment the sum of \$250 per day as Liquidated Damages for each and every calendar day that the Final Acceptance Date is delayed beyond the Contract Completion Date. If no money is due Contractor, the Owner will have the right to recover said sums from Contractor, the Surety, or both.

### **Article 5.31 Winter Suspension**

C. Suitable Conditions for Winter Maintenance

*Add the following paragraph:*

8. Contractor shall install temporary flexible delineators at the end of culverts, end of retaining walls, field inlets, and other locations as determined by the Engineer.

## **SECTION 10.06 LEGAL RELATIONS AND RESPONSIBILITIES**

### **Article 6.1 Laws to be Observed**

*Add the following paragraph:*

Owner is not aware of any contaminated material within the project limits. If such material is encountered, Contractor shall notify the Engineer immediately for direction. This will be treated as a changed condition, unless the contamination was caused by Contractor's operation.

**B. DIVISION 20 STANDARD CONSTRUCTION SPECIFICATIONS FOR EARTHWORK**

**SECTION 20.05 CLEARING**

**Article 5.2 Construction**

*Replace the first sentence of A. Clearing for Multi Use Paths with the following:*

Overhanging limbs shall be pruned to provide a four foot (4') clear corridor on both sides of the pathway with a twenty foot (20') clearance above the finished trail.

*Add the following paragraph:*

The Contractor shall protect migratory bird habitat in compliance with the most current version of the "Construction Advisory for Protecting Migratory Birds (pdf)" handout located at <https://www.fws.gov/alaska/mbsp/mbm/index.htm>. Additionally, Contractor shall notify the Engineer immediately if any active nests are found at any time during construction of the project.

**SECTION 20.09 REMOVAL OF PAVEMENT**

**Article 9.2 Construction**

*Delete the second paragraph and replace with the following:*

Contractor shall keep all asphalt surfacing designated for removal free from objectionable material (concrete, steel, etc.). Contractor shall deliver all asphalt surfacing that does not contain objectionable material to Street Maintenance. Contractor shall coordinate exact location and time of delivery with the Maintenance & Operations Department, Street Maintenance Division, at 343-8102. If the removed asphalt surfacing, under this Section, contains objectionable material, as identified by the Engineer, Contractor shall dispose of this asphalt surfacing in accordance with Division 10, Section 10.04, Article 4.9 – Disposal Sites.

## **SECTION 20.21 CLASSIFIED FILL AND BACKFILL**

### **Article 21.2 Material**

*Add the following paragraph after the second paragraph:*

Crushed waste glass (cullet) may be combined with soil-aggregate material and used in Type II or Type II-A classified fill and backfill. If glass cullet is incorporated, classified fill and backfill shall contain not more than ten percent (10%) by weight glass cullet smaller than three-eighths-inch (3/8"). Contractor shall ensure that glass cullet is uniformly blended with natural soil aggregate material prior to project delivery and placement. Glass cullet must conform to the specifications in Subarticle G – Glass Cullet of this Article. In addition to the normal gradation documentation for classified fill or backfill, when glass cullet is used the Contractor shall provide documentation certifying that the glass cullet (1) is comprised only of eligible types of glass, (2) does not contain prohibited materials, (3) meets debris content requirement, and (4) meets blending percentage requirement to the Engineer prior to placement of the material.

*Add the following SubArticle G:*

#### **G. Crushed Waste Glass (Cullet)**

Glass cullet shall be free of prohibited or hazardous substances and the cullet shall contain no more than two percent (2.0%) debris as determined in AASHTO M318.

Eligible glass products from which glass cullet may be produced include:

- food and beverage container glass;
- plain ceramic or china dinnerware; and
- building window glass.

Prohibited glass products include:

- automobile windshields or other glass from automobiles;
- light bulbs of any type;
- porcelain products;
- laboratory glass; or
- television, computer, or other cathode ray monitor tubes.



### **Article 21.3 Construction**

*Add the following after the last paragraph:*

Contractor shall not use classified fill and backfill incorporating glass cullet:

- within four feet (4') from the face of any embankment slope;
- within one hundred and fifty feet (150') of any surface water body;
- in embankment areas where culvert placement is required;
- in contact with any geotextile or geosynthetic material; or
- in any soil-aggregate base or subbase courses that are not covered by surfacing material.

### **Article 21.4 Measurement**

*Add the following after the last paragraph:*

Use of glass cullet is incidental to the bid item Classified Fill and Backfill and no additional payments shall be made.

## **SECTION 20.22 LEVELING COURSE**

### **Article 22.2 Material**

*Add the following paragraphs after the second paragraph:*

Crushed waste glass (cullet) may be combined with soil-aggregate material and used in leveling course. If glass cullet is incorporated, leveling course shall contain not more than ten percent (10%) by weight glass cullet smaller than three-eighths-inch (3/8"). Contractor shall ensure that glass cullet is uniformly blended with natural soil aggregate material prior to project delivery and placement. Glass cullet must conform to the specifications in Subarticle G – Glass Cullet of this Article. In addition to the normal gradation documentation for classified fill or backfill, when glass cullet is used the Contractor shall provide documentation certifying that the glass cullet (1) is comprised only of eligible types of glass, (2) does not contain prohibited materials, (3) meets debris content requirement, and (4) meets blending percentage requirement to the Engineer prior to placement of the material.

Upon written approval by the Engineer, recycled concrete aggregate (RCA) may be substituted for leveling course, on an inch for inch basis. RCA shall conform to this specification.

*Add the following SubArticles:*

D. Crushed Waste Glass (Cullet)

Glass cullet shall be free of prohibited or hazardous substances and the cullet shall contain no more than two percent (2.0%) debris as determined in AASHTO M318.

Eligible glass products from which glass cullet may be produced include:

- food and beverage container glass;
- plain ceramic or china dinnerware; and
- building window glass.

Prohibited glass products include:

- automobile windshields or other glass from automobiles;
- light bulbs of any type;
- porcelain products;
- laboratory glass; or
- television, computer, or other cathode ray monitor tubes.

E. Recycled Concrete Aggregate

RCA shall consist of a manufactured aggregate material and natural aggregate particles derived from the crushing, processing and classification of Portland cement concrete construction debris recovered from roadways, sidewalks, building, bridges and other sources, which conforms to AASHTO M-319 - Reclaimed Concrete Aggregate for Unbound Soil-Aggregate Base Course, and this specification. This material shall not contain deleterious substances in excess of the following amounts by mass-weight:

<u>Deleterious Material</u>	<u>By weight</u> %
Bituminous concrete materials	5%
Brick or concrete masonry unit block	5%
Solid waste or hazardous materials	0%
Wood, metal, plaster, gypsum	0.1%

Both Coarse and Fine Aggregate shall conform to this specification and the quality requirements from AASHTO M-147 - Materials for Aggregate and Soil-Aggregate Subbase, Base, and Surface Courses. Additionally RCA shall have a minimum of seventy percent (70%) of particles with one or more mechanically fractured faces when the RCA is tested in accordance with AASHTO TP-61.

The Maximum Moisture Content is four percent (4.0%) for RCA.

The RCA Liquid Limit shall not exceed 35 when tested in accordance with AASHTO T-89 and the Plasticity Index of the fraction of RCA passing the No. 40 sieve shall not exceed 6 when tested in accordance with AASHTO T-90.

In accordance with ASTM 306, the percent of flat and elongated pieces in RCA shall not exceed eight percent (8%).

**Restrictions to Use of Recycled Concrete Aggregate:** RCA shall not be placed over a geotextile layer, gravel drain fields, drain field piping, subdrains, or open soil-lined stormwater retention or detention facilities, because soluble minerals rich in calcium salts and calcium hydroxide can be hydraulically transported from the recycled concrete aggregate. RCA is not approved for use within five feet (5') of metal culverts due to its high alkalinity and because recycled concrete aggregate in contact with aluminum or galvanized steel pipes can cause corrosion in the presence of moisture.

### **Article 22.3 Construction**

*Insert the following paragraph at the end of subArticle C. Placing:*

If used, any portion of the RCA which becomes segregated and/or develops zones of paste or crushed conglomerates during the distribution/compaction process shall be corrected by the Contractor. This correction process shall be conducted full depth and continue until the on-grade RCA meets this specification. The Engineer reserves the right to sample (or resample) the RCA for acceptance after it has been placed, watered and compacted.

*Add the following subArticle F:*

#### **F. Crushed Waste Glass (Cullet)**

Contractor shall not use leveling course incorporating glass cullet:

- within four feet (4') from the face of any embankment slope;
- within one hundred and fifty feet (150') of any surface water body;
- in embankment areas where culvert placement is required;
- in contact with any geotextile or geosynthetic material; or
- in any soil-aggregate base or subbase courses that are not covered by surfacing material.

**Article 22.4 Measurement**

*Remove the first sentence and replace with the following:*

The leveling course shall be measured in tons of materials delivered and placed in accordance with these Specifications and adjusted for excess moisture as provided.

*Add the following after the last paragraph:*

Use of glass cullet and/or RCA is incidental to the bid item Leveling Course and no additional payments shall be made.

**C. DIVISION 30 STANDARD CONSTRUCTION SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE**

**SECTION 30.02 PORTLAND CEMENT CONCRETE, CURB AND GUTTER AND VALLEY GUTTER**

**Article 2.2 Materials**

*Replace the first paragraph with the following:*

Portland Cement Concrete, joint filler, reinforcing steel and curing materials shall conform to Section 30.01, Article 1.3 – Materials. Concrete mix for curbs shall conform to the requirements for ADOT&PF Class A concrete (Specification 501 Concrete for Structures).

**SECTION 30.03 PORTLAND CEMENT CONCRETE SIDEWALK**

**Article 3.2 Materials**

*Replace the first paragraph with the following:*

Portland Cement Concrete, joint filler, reinforcing steel and curing materials shall conform to Section 30.01, Article 1.3 – Materials. Concrete mix for sidewalks shall conform to the requirements for ADOT&PF Class A concrete (Specification 501 Concrete for Structures).

## **SECTION 30.04 PORTLAND CEMENT CONCRETE CURB RAMPS**

### **Article 4.2 Materials**

#### **A. General**

*Replace the first paragraph with the following:*

The Portland Cement Concrete (P.C.C.) materials and installation shall conform to the requirements of Section 30.03 – Portland Cement Concrete Sidewalk and the Drawings. Concrete mix for curb ramps shall conform to the requirements for ADOT&PF Class A concrete (Specification 501 Concrete for Structures).

#### **B. Detectable Warning Panel**

*Replace the third paragraph with the following:*

Contractor shall provide Advantage cast iron detectable warning plates, manufactured by:

Advantage Tactile Systems  
241 Main Street, Suite 100  
Buffalo, NY 14203

Or approved equal.

**D. DIVISION 40 STANDARD CONSTRUCTION SPECIFICATIONS FOR ASPHALT SURFACING**

**SECTION 40.01 GENERAL**

*Add the following Article:*

**Article 1.7 Asphalt Price Adjustment**

This provision provides a price adjustment for asphalt cement material by:

1. an increase to the contract amount, or
2. a deduction from the contract amount.

The provision shall apply to asphalt concrete pavement which:

- is a major bid item as defined in M.A.S.S. Division 10, Section 10.04, Article 4.5 – Increased Quantities;
- is placed in the second or later year of the contract;
- conforms to M.A.S.S. Division 40, Section 40.06 – Asphalt Concrete Pavement; and
- is paid pursuant to M.A.S.S. Division 40, Section 40.06 – Asphalt Concrete Pavement and Section 40.07 – Stone Mastic Asphalt Concrete Pavement.

This provision shall only apply to cost changes in the asphalt cement material that occurs between the date of bid opening and the date the asphalt material is incorporated into the project.

The asphalt price adjustment shall only apply when there is more than a seven and one-half percent (7.5%) increase or decrease in the Alaska Asphalt Material Price Index from the date of the bid opening to the date the asphalt material is incorporated into the project.

As used in this Article, the Alaska Asphalt Material Price Index is calculated bi-monthly on the first and third Friday of each month, and will remain in effect from the day of calculation until the next bi-monthly calculation. The Alaska Asphalt Material Price Index is posted on the ADOT&PF's Statewide Materials website, and is calculated according to the formula posted therein.

The Asphalt Price Adjustment (APA) payment is cumulative and is calculated with each progress payment. Asphalt material price index in effect on the last day of the pay period is used to calculate the price adjustment for asphalt cement material incorporated into the project during that pay period. The Municipality will increase or decrease payment under this contract by the amount determined with the following asphalt cement material price adjustment formula:

$$\text{APA } \{\text{price increase/decrease}\}^* = [(\pm \text{IPP} \mp \text{IB}) - (0.075 * \text{IB})] * Q * \% \text{AC}$$

Where,

**Q** = quantity of asphalt concrete pavement incorporated into the project during the pay period, in tons, and documented by weight tickets;

**IB** = Index at bid: the bi-monthly Alaska asphalt material price index in effect on date of bid, in dollars per ton;

**IPP** = Index at Pay Periods: the bi-monthly Alaska asphalt material price index in effect on the last day of the pay period, in dollars per ton; and

**%AC** = percentage asphalt cement content in the asphalt concrete pavement, as determined by the average asphalt cement content in project's asphalt concrete quality control testing.

\* Note: a negative price adjustment (APA) results in a price reduction to the Contract.

Method of measurement for determining quantity, Q, is the weight of asphalt concrete pavement material that conforms to M.A.S.S. Division 40, Section 40.06 – Asphalt Concrete Pavement and is incorporated into the project.

No asphalt price adjustment will be paid based on estimated quantities.

Contingent Sum payment shall be made on the following basis:

The final asphalt price adjustment on a project is the aggregate of the price adjustments paid on a project's respective progress pay estimates, i.e.,

$$\text{APA} = \text{APA}_1 + \text{APA}_2 + \dots + \text{APA}_n$$

Where  $n$  = partial payment estimate number.

**E. DIVISION 50 STANDARD CONSTRUCTION SPECIFICATIONS FOR  
SANITARY SEWERS**

**SECTION 50.06 EXISTING MANHOLE MODIFICATIONS**

**Article 6.1 Measurement**

*Add the following paragraph:*

Manhole adjustments to grade shall be measured as units, complete in place regardless of whether the cone, grade rings, or frame are adjusted. Contractor shall adjust the manhole to finish grade prior to placement of pavement. Cutting of new asphalt for adjustment is not acceptable. Any adjustment(s) requiring cutting of new asphalt shall not be paid and shall be deducted from the plan quantity.

**Article 6.6 Basis of Payment**

*Add the following pay item:*

ITEM	UNIT
Adjust Sanitary Sewer Manhole to Grade	Each



**F. DIVISION 55 STANDARD CONSTRUCTION SPECIFICATIONS FOR STORM DRAIN SYSTEMS**

**SECTION 55.02 FURNISH AND INSTALL PIPE**

**Article 2.2 Material**

*Replace the second sentence of E. Polypropylene Pipe (PP) with the following:*

The pipe shall meet AASHTO M330.

**SECTION 55.25 STORM DRAIN CLOSED CIRCUIT TELEVISION INSPECTIONS**

**Article 25.5 Measurement**

Measure of storm drain pipe cleaning is on a linear foot basis from center of structure to center of structure without respect to diameter of storm pipe.

*Add the following pay item:*

ITEM	UNIT
Storm Drain Pipe Cleaning	Linear Foot

**SECTION 55.27 CONNECT TO EXISTING STORM DRAIN PIPE**

**Article 27.1 General**

The Work under this Section consists of providing all labor and materials to connect an existing storm drain pipe to the new storm drain system or existing storm pipe to a new storm structure at the locations shown on the drawings or as directed by the Engineer.

**Article 27.2 Material**

The materials including, pipe, fittings, fasteners, gaskets, saddles, grouts, and seals shall be from the same manufacturer as that of the mainline storm drain pipe. The materials shall be intended for use together by the manufacturer. Proposed materials for connecting existing storm drain pipe to new storm facilities shall be submitted to the Engineer for approval.

**Article 27.3 Construction**

A. General

Excavation and backfill shall be in accordance with Division 20, Section 20.13 – Trench Excavation and Backfill.

Connections of existing pipes to manholes or catch basins shall be made in a workmanlike manner. The invert shall be brought into the manhole at the elevation shown on the Drawings. The downstream pipe in manholes shall be screened to prevent entry of mortar or other debris from entering the system. Connection of the existing storm drain pipes to the new storm drain system shall be made with as few fittings as possible.

After connection is made to a storm drain manhole and the mortar holding the pipe in place has set, cut the pipe off evenly so that no more than two inches (2”) of pipe protrudes into the manhole and any screening shall be removed.

B. Pothole existing pipes

Potholing at the pipe connection locations prior to construction/fabrication of any storm structures shall be completed to establish the existing pipe elevation.

**Article 27.4 Measurement**

Connection to existing storm drain pipes shall be measured as complete units in place. No separate payment shall be made for materials including, but not limited to pipe, fittings, fasteners, gaskets, saddles, grouts, and seals. Potholing the existing storm pipe shall also be considered incidental to this bid item.

**Article 27.5 Payment**

Payment for this Work shall be in accordance with Division 10, Section 10.07 – Measurement and Payment, and shall include full payment for all Work described in this Section.

Payment shall be made on the following unit:

ITEM	UNIT
Connect to Existing Storm Drain Pipe	Each

**G. DIVISION 70 STANDARD CONSTRUCTION SPECIFICATIONS  
MISCELLANEOUS**

**SECTION 70.12 TRAFFIC MAINTENANCE**

*Amend the following Article:*

**Article 12.6 Public Notice**

Delete the first paragraph, inclusive of the list of local officials and transportation organizations, and replace with the following:

The Work Site Traffic Supervisor shall give notices of changes, delays, or lane/road closures to the following local officials and transportation organizations including, but not limited to:

- |                                       |               |
|---------------------------------------|---------------|
| 1. Anchorage Chamber of Commerce      | 272-2401      |
| 2. Alaska Travel Industry Association | 929-2842      |
| 3. Alaska Trucking Association        | 276-1149      |
| 4. Alaska State Troopers              | 428-7200      |
| 5. Alaska Court System                | 264-8232      |
| 6. Anchorage Police Department        | 786-8500      |
| 7. Anchorage Fire Department          | 267-4950      |
| 8. Local Emergency Medical Services   | 267-4950      |
| 9. Anchorage Public Transportation    | 343-8253/8386 |
| 10. ASD Pupil Transportation          | 742-1207      |
| 11. U.S. Postal Service               | 266-3261      |
| 12. MOA Parks and Recreation          | 343-4297      |
| 13. Local Schools and Universities    | Varies        |
| 14. Solid Waste Services              | 343-6250      |
| 15. Alaska Waste                      | 563-3717      |
| 16. Commercial Vehicle Enforcement    | 365-1203      |
| 17. Providence Hospital               | 562-2211      |

**H. DIVISION 75 STANDARD CONSTRUCTION SPECIFICATIONS FOR  
LANDSCAPING IMPROVEMENTS**

**SECTION 75.04 SEEDING**

**Article 4.3 Application**

*Remove the first paragraph of A. Soil Preparation and replace with the following:*

After grading of areas has been completed in conformity with the lines and grades shown on the Drawings, and before beginning seeding operations, the areas to be seeded shall be cultivated to provide a reasonably firm but friable seedbed. Cultivation shall be carried to a depth of two inches (2"). On slopes steeper than 3:1, depth of cultivation may be reduced as directed by the Engineer. All areas to be cultivated shall be raked or cleared of stones (one inch [1"] in diameter and larger), weeds, plant growth, sticks, stumps, and other debris or irregularities which might interfere with the seeding operation, germination of seed, or subsequent maintenance of the seed-covered areas. Cultivation shall include the entire ground surface, regardless of existing ground cover. Contractor may be required to track-walk slopes 2:1 or over as directed in the Drawings or by the Engineer. Prior to seeding application, site inspection by the Engineer is required to confirm that preparation conditions are satisfactory for the seeding work to proceed.

END OF SPECIAL PROVISIONS

**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**III**

**SUBMITTAL LIST**



## PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS

**21-19**

### SUBMITTAL LIST

Job #: \_\_\_\_\_ Contractor: \_\_\_\_\_

Submittal Number	Rev.	Description
10.04.9		Private Property Disposal Site Permission; Fill Permit
10.04.12		Property Owner 48-Hour Closure Notice
10.04.13		Street Closures; Traffic Control Plan
10.04.15		Temporary Erosion and Sediment Control Plan
10.04.17		Utility Notification Verification
10.04.17		Pre-Construction Utility Inspection Report
10.04.17		Post-Construction Utility Inspection Report
10.04.19		Record Drawings
10.05.3		Construction Progress Schedule
10.05.3		Schedule of Values
10.05.4		Notice of Unusual Working Hours
10.05.7		Proposed Substitutions
10.05.9		Contractor's Authorized Representatives and Employees
10.05.10		Subcontractor's List
10.05.31		Winter Suspension Plan
10.06.6		Contractor Obtained Permits (ROW, Noise, Electrical, Dewatering, etc.)
10.06.9		Certificate of Insurance
10.06.12		Certified Payroll
10.07.1		Material Weight Tickets
10.07.7		ADOL Notification of Compliance
10.07.7		Notarized Certificate of Compliance
20.02.4		Storm Water Pollution Prevention Plan (SWPPP)
20.02.16		SWPPP Inspection Reports

Submittal Number	Rev.	Description
20.10.7		Survey Cross-Section Measurement - Usable and Unusable Excavation
20.12.2		Dewatering Plan
20.27.4		Survey Cross-Section Measurement - Trench Excavation Disposal of Unusable or Surplus Material
20.13.2		Trench Excavation Notice to Engineer and AWWU.
20.30		Trench Sheet piling/Shoring Submittal
30.01.9		Concrete Temperature Maintenance Procedure Proposal
40.04.2		Certified Analysis of Asphalt for Tack Coat from Refining Laboratory
40.04.3		Tack Coat Test Strip and Notification
40.06.2		Certified Analysis of Asphalt for A.C. Pavement from Refining Laboratory
40.06.3		Asphalt Job Mix Formula for A.C. Pavement
40.06.4		Contractor's Certificate of Compliance for bituminous paver segregation mechanism installation
40.06.5		Paving Plan
50.06.2		Sanitary Sewer Existing Manhole Modifications Submittal
55.02.3		Storm Drain New Pipe CCTV Inspection Submittal
60.03.2		Water Valve Submittals
65.02.2		Survey Field Notes
65.02.3		Party Chief's Daily Diary
65.02.5		Survey Cross Sections
65.02.5		Notification Prior to Cross Section Work
65.02.13		Survey Electronic Data
65.02.16		Survey Quantity Measurements (Clearing, Clearing & Grubbing, Pavement Removal, Pavement Rotomilling, Pavement Reclamation, Road Excavation, Trench Excavation, Topsoil, Seeding, and other areas of misc. final surfacing application such as asphalt, concrete, RAP, etc. which are measured in SF or SY)
70.10.3		Manufacturer's Recommendations for Application of Methyl Methacrylate Traffic Markings



Submittal Number	Rev.	Description
70.12.2		Traffic Control Plan (TCP)
70.12.4		Identify Work Site Traffic Supervisor/Telephone Number
70.12.6		Proof of Public Notice
75.02.3		Identify Tree Protection Zone
75.02.4		Landscape Maintenance Schedule
75.02.4		Landscaping Watering Schedule
75.03.2		Topsoil Analysis Test Reports
75.04.2		Seed Certification Tag
75.05.1		Sod Submittal

NOTE: The above list of submittals is not all inclusive. In addition to the above, the Contractor is required to comply with all submittal requirements as required or identified in the plans, specifications, M.A.S.S., or as directed by the Engineer.



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

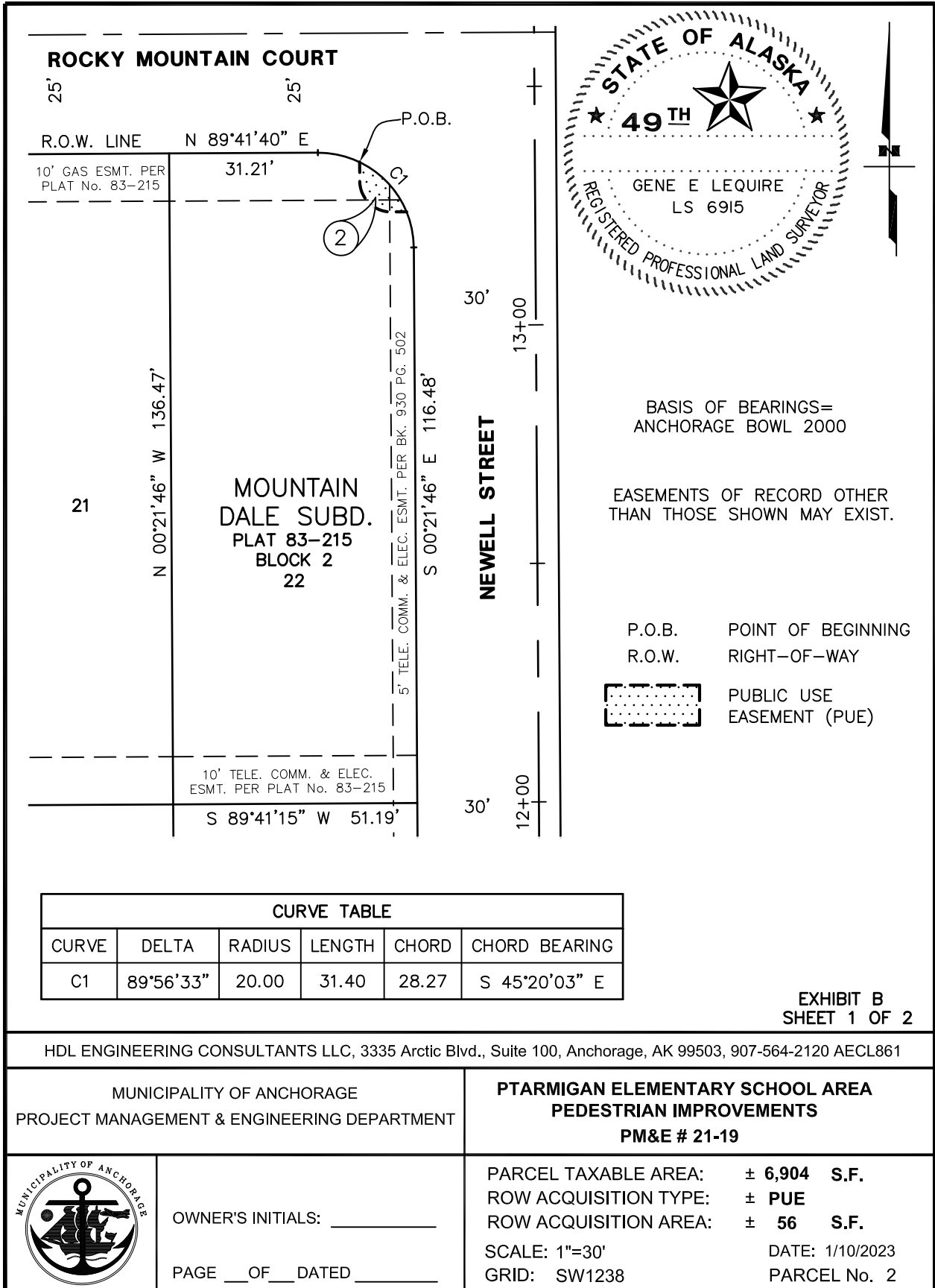
**IV**

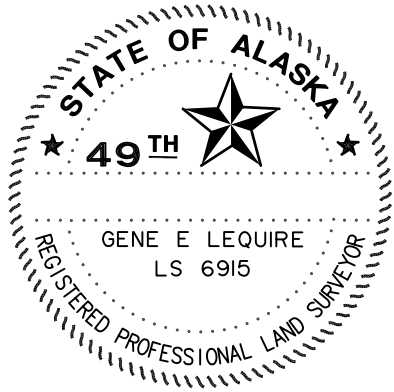
**TEMPORARY CONSTRUCTION PERMITS AND EASEMENTS**



The Contractor is hereby notified that the Temporary Construction Easements (TCE) and Public Use Easements (PUE) required for this project are in the process of being obtained. The Contractor shall not begin work until all easements necessary for construction have been acquired. The Contractor shall ensure that all easements are available on the job site at all times. The easement notebook containing all final easement parcel maps shall be provided to the Contractor prior to construction.






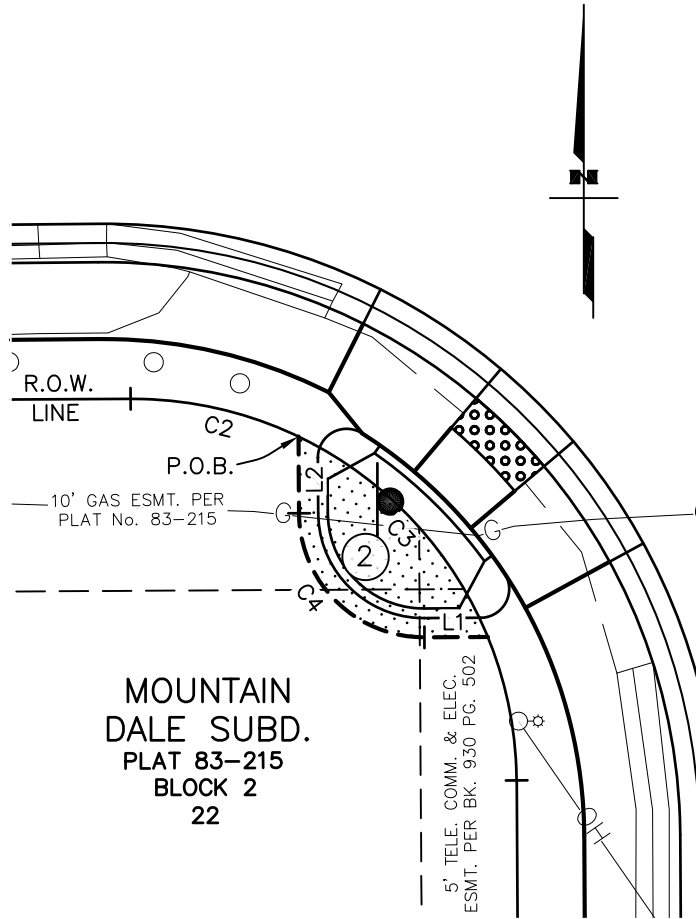


BASIS OF BEARINGS=  
ANCHORAGE BOWL 2000

EASEMENTS OF RECORD OTHER  
THAN THOSE SHOWN MAY EXIST.

P.O.B. POINT OF BEGINNING  
R.O.W. RIGHT-OF-WAY

 PUBLIC USE  
EASEMENT (PUE)



**MOUNTAIN  
DALE SUBD.  
PLAT 83-215  
BLOCK 2  
22**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 89°41'40" W	3.30'
L2	N 0°21'46" W	4.00'

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD	CHORD BEARING
C2	25°53'13"	20.00	9.04	8.96	S 77°21'43" E
C3	42°05'22"	20.00	14.69	14.36	S 43°22'25" E
C4	89°56'33"	6.50	10.20	9.19	N 45°20'03" W

**EXHIBIT B  
SHEET 2 OF 2**

HDL ENGINEERING CONSULTANTS LLC, 3335 Arctic Blvd., Suite 100, Anchorage, AK 99503, 907-564-2120 AECL861

MUNICIPALITY OF ANCHORAGE  
PROJECT MANAGEMENT & ENGINEERING DEPARTMENT

**PTARMIGAN ELEMENTARY SCHOOL AREA  
PEDESTRIAN IMPROVEMENTS  
PM&E # 21-19**



OWNER'S INITIALS: \_\_\_\_\_

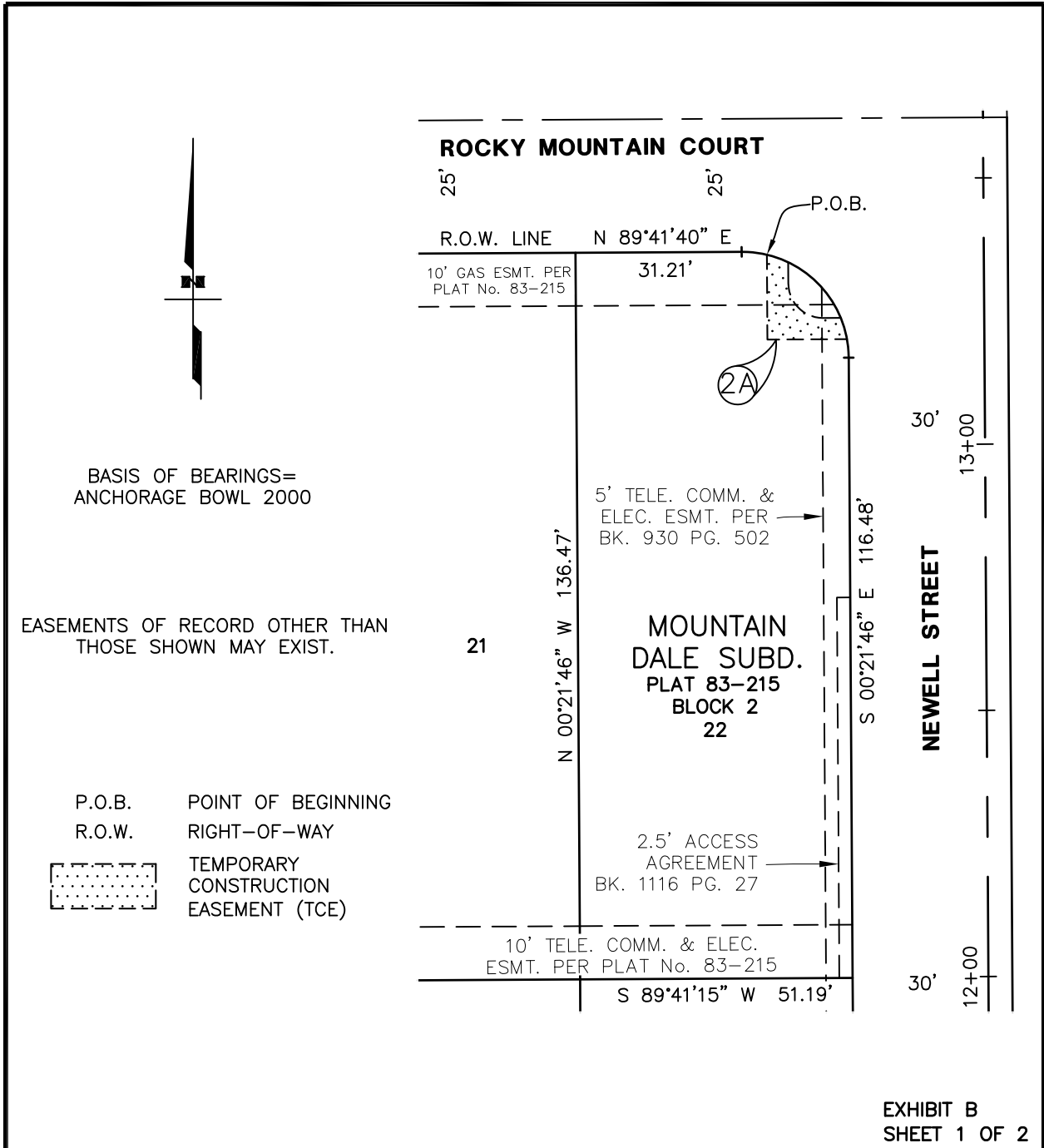
PAGE \_\_\_ OF \_\_\_ DATED \_\_\_\_\_

PARCEL TAXABLE AREA: ± **6,904 S.F.**  
ROW ACQUISITION TYPE: ± **PUE**  
ROW ACQUISITION AREA: ± **56 S.F.**


SCALE: 1"=10'  
GRID: SW1238

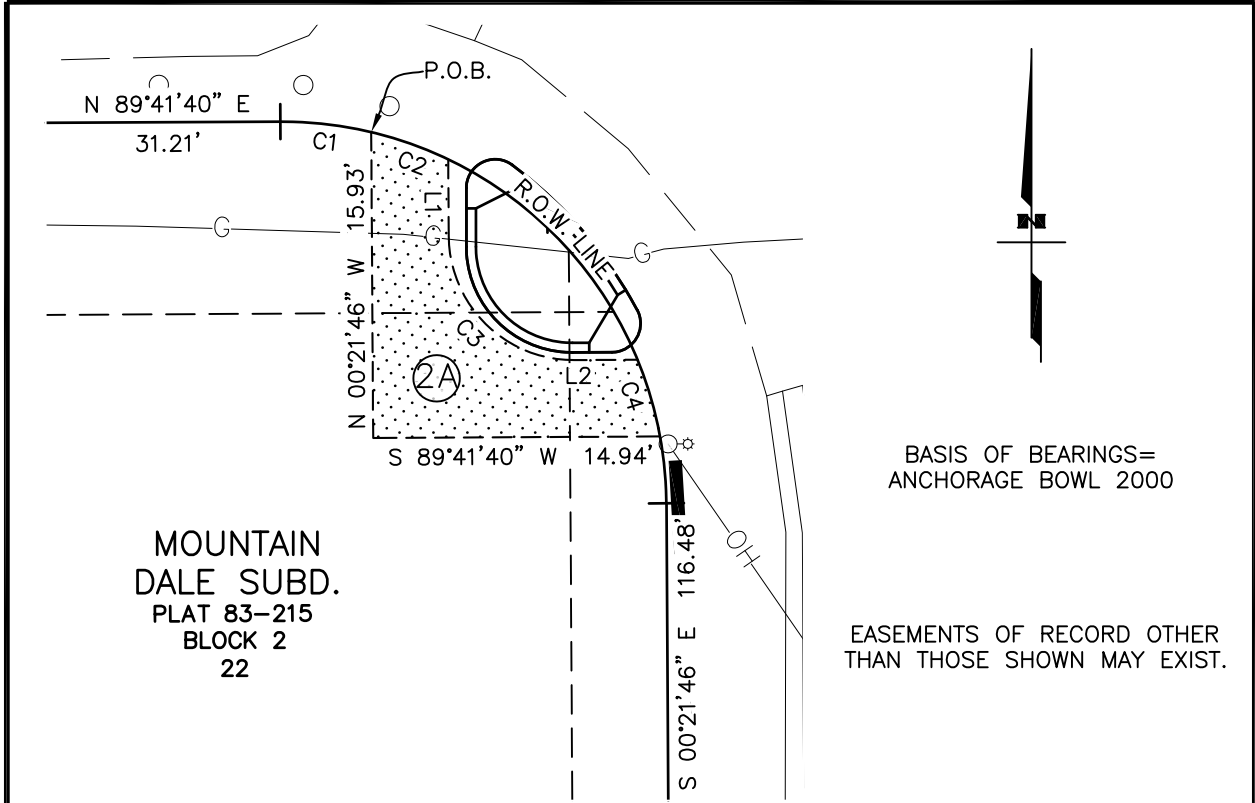
DATE: 1/10/2023  
PARCEL No. 2





HDL ENGINEERING CONSULTANTS LLC, 3335 Arctic Blvd., Suite 100, Anchorage, AK 99503, 907-564-2120 AECL861

MUNICIPALITY OF ANCHORAGE PROJECT MANAGEMENT & ENGINEERING DEPARTMENT		PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS PM&E # 21-19	
	OWNER'S INITIALS: _____	PARCEL TAXABLE AREA: ± 6,904 S.F.	ROW ACQUISITION TYPE: ± TCE
	PAGE ___ OF ___ DATED _____	SCALE: 1"=30'	DATE: 1/10/2023
		GRID: SW1238	PARCEL No. 2A



MOUNTAIN  
DALE SUBD.  
PLAT 83-215  
BLOCK 2  
22

BASIS OF BEARINGS=  
ANCHORAGE BOWL 2000

EASEMENTS OF RECORD OTHER  
THAN THOSE SHOWN MAY EXIST.

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 0°21'46" E	4.00'
L2	N 89°41'40" E	3.30'

P.O.B. POINT OF BEGINNING  
R.O.W. RIGHT-OF-WAY

TEMPORARY  
CONSTRUCTION  
EASEMENT (TCE)

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD	CHORD BEARING
C1	13°40'54"	20.00	4.78	4.76	S 83°27'53" E
C2	12°12'20"	20.00	4.26	4.25	S 70°31'16" E
C3	89°56'33"	6.50	10.20	9.19	S 45°20'03" E
C4	11°56'44"	20.00	4.17	4.16	S 16°21'22" E

EXHIBIT B  
SHEET 2 OF 2

HDL ENGINEERING CONSULTANTS LLC, 3335 Arctic Blvd., Suite 100, Anchorage, AK 99503, 907-564-2120 AECL861

MUNICIPALITY OF ANCHORAGE  
PROJECT MANAGEMENT & ENGINEERING DEPARTMENT

**PTARMIGAN ELEMENTARY SCHOOL AREA  
PEDESTRIAN IMPROVEMENTS  
PM&E # 21-19**



OWNER'S INITIALS: \_\_\_\_\_

PAGE \_\_\_ OF \_\_\_ DATED \_\_\_\_\_

PARCEL TAXABLE AREA: ± 6,904 S.F.

ROW ACQUISITION TYPE: ± TCE

ROW ACQUISITION AREA: ± 112 S.F.

SCALE: 1"=10'

DATE: 1/10/2023

GRID: SW1238

PARCEL No. 2A

**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**V**

**EQUAL EMPLOYMENT OPPORTUNITY SPECIAL PROVISIONS**



# **CONTRACT COMPLIANCE SPECIFICATIONS**

## **EQUAL EMPLOYMENT OPPORTUNITY**

### **SPECIAL PROVISIONS**

Every municipal contract shall include language substantially the same as the following: The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, age, sex, sexual orientation, gender identity, marital status, or physical or mental disability. The contract will comply with all laws concerning the prohibition of discrimination including, but not limited to, Title 5 and Title 7 of the Anchorage Municipal Code.

Every municipal contract shall state, in all solicitations or advertisements for employees to work under the contract, that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, age, sex, sexual orientation, gender identity, marital status, or physical or mental disability.



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**VI**

**MINIMUM RATES OF PAY**





## Laborers' & Mechanics' Minimum Rates of Pay

Title 36. Public Contracts AS 36.05 & AS 36.10 Wage & Hour Administration Pamphlet No. 600 (Pamphlet 600) is hereby incorporated in its entirety. Pamphlet 600 is available for free download at <http://labor.state.ak.us/lss/pamp600.htm>.

The Municipality of Anchorage will include a paper copy of the wage rates in the signed Contract.



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**VII**

**CONTRACT**



# CONTRACT

Invitation to Bid No. **2019C** \_\_\_\_\_

Contract No. **C-2019** \_\_\_\_\_

NAME AND ADDRESS OF CONTRACTOR:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Check appropriate box:

Incorporated in the State of

MUNICIPALITY OF ANCHORAGE, acting through \_\_\_\_\_ (hereinafter the Owner).

Contract for \_\_\_\_\_

**BID SCHEDULES**

**ITEMS**

**PLAN SHEET  
FILE NUMBERS**

**AMOUNT**

\$ \_\_\_\_\_

Total Amount : \$ \_\_\_\_\_

THIS CONTRACT, entered into by the MUNICIPALITY OF ANCHORAGE, ALASKA, acting through the Owner named above, and the individual, partnership, or corporation named above, hereinafter called the Contractor, WITNESSETH that the parties hereto do mutually agree as follows:

Statement of Work: The Contractor shall furnish all labor, equipment and materials and perform the Work above described, for the amount stated, in strict accordance with the Contract Documents.

## CONTRACT DOCUMENTS

- I. This CONTRACT consisting of 4 pages.
- II. The Bid Proposal Section \_\_\_\_ consisting of \_\_\_\_ pages numbered as \_\_\_\_, **as contained in ITB 2019C**\_\_\_\_\_.
- III. The Contract Performance and Payment Bond \_\_\_\_\_.
- IV. The Contractor's Certificate of Insurance Dated \_\_\_\_\_.
- V. Municipality of Anchorage Standard Specifications dated 2015 (MASS) Incorporated by Reference, **as contained in ITB 2019C**\_\_\_\_\_.
- VI. Specifications consisting of the following:  
  
Supplemental Provisions Section \_\_\_\_ consisting of \_\_\_\_ pages, with attachments Exhibit A through F, **as contained in ITB 2019C**\_\_\_\_\_.
- VII. Equal Opportunity Special Provisions and Forms Section \_\_\_\_ consisting of \_\_\_\_ pages, **as contained in ITB 2019C**\_\_\_\_\_.
- VIII. Disadvantaged/Women-Owned Business Enterprise (DBE/WBE) Specification Section \_\_\_\_ consisting of \_\_\_\_ pages, **as contained in ITB 2019C**\_\_\_\_\_.
- IX. The Laborers' and Mechanics' Minimum Rates of Pay dated September 1, 2015 Section \_\_\_\_ consisting of \_\_\_\_ pages, **as contained in ITB 2019C**\_\_\_\_\_.
- X. Submittal List Section \_\_\_\_ consisting of \_\_\_\_ page, **as contained in ITB 2019C**\_\_\_\_\_.
- XI. The Drawings consisting of \_\_\_\_ sheets numbered \_\_\_\_\_, **as contained in ITB 2019C**\_\_\_\_\_.

IN WITNESS WHEREOF, the parties hereto have executed this Contract as of the Contract Date entered below.

MUNICIPALITY OF ANCHORAGE, ALASKA

VENDOR \_\_\_\_\_

BY \_\_\_\_\_  
Signature

BY \_\_\_\_\_  
Signature

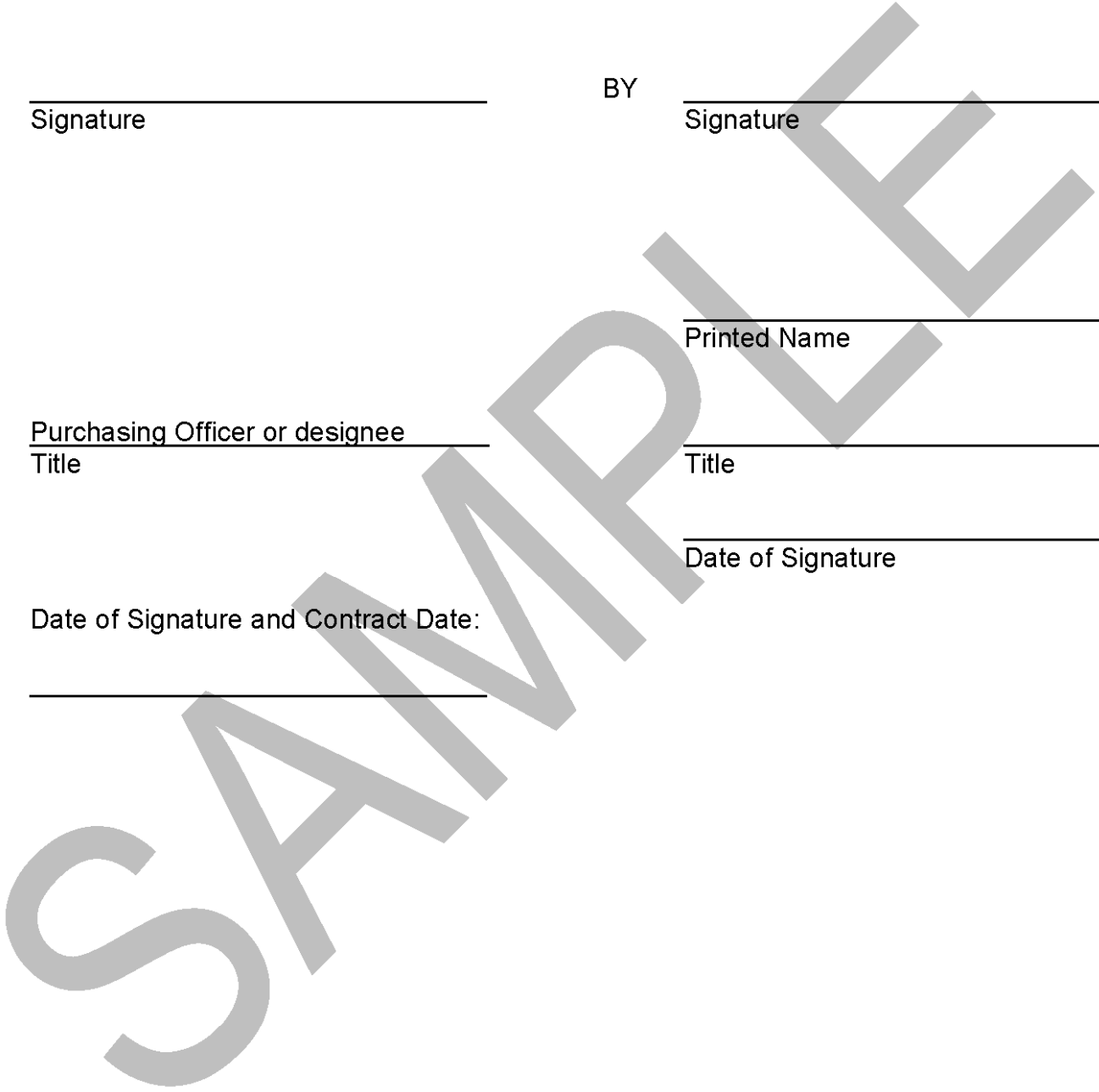
\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Purchasing Officer or designee  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date of Signature

Date of Signature and Contract Date:  
\_\_\_\_\_



**CONTRACT AND PERFORMANCE AND PAYMENT  
BOND SIGNATURE INSTRUCTIONS**

1. The full name and business of the Contractor shall be inserted on Page 1 of the Contract and on the Performance and Payment Bond, hereinafter the Bond.
2. Two copies of the Contract and the Bond shall be manually signed by the Contractor. If the Contractor is a partnership or joint venture, all partners or joint ventures shall sign the Contract and the Bond except that one partner or one joint venturer may sign for the partnership or joint venture when all other partners or joint venturers have executed a Power-of-Attorney authorizing one partner or joint venturer to sign. The Power-of-Attorney shall accompany the executed contract and the Bond.
3. If the Contractor is a corporation, the President of the corporation shall execute the Contract and the Bond unless a Power-of-Attorney or corporate resolution shall accompany the executed Contract and Bond.
4. The Bond shall be returned to the Purchasing Division undated. The Contract Date shall be inserted on the Contract when the Municipality signs the Contract and the Bond shall be dated the same as the Contract Date.

SAMPLE



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**VIII**

**CONTRACT PERFORMANCE AND PAYMENT BOND**



## CONTRACT PERFORMANCE AND PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, That we \_\_\_\_\_  
 \_\_\_\_\_ of \_\_\_\_\_  
 as Principal, and \_\_\_\_\_  
 a corporation organized under the laws of the \_\_\_\_\_  
 \_\_\_\_\_ and authorized to transact surety business in  
 the State of Alaska, of \_\_\_\_\_  
 as Surety, are held and firmly bound unto the MUNICIPALITY OF ANCHORAGE, as Obligee, in  
 the full and just sum of \_\_\_\_\_  
 (\$ \_\_\_\_\_) Dollars, lawful money of the UNITED STATES,  
 for the payment which, well and truly to be made, we bind ourselves, our heirs, executors,  
 administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION IS SUCH, that whereas the principal has entered into  
 a certain contract dated the \_\_\_\_\_ date of \_\_\_\_\_  
 20\_\_\_\_\_, with the Obligee for the construction of \_\_\_\_\_  
 \_\_\_\_\_

which contract is hereby referred to and made a part hereof as fully and to the same extent as if  
 copied at length herein.

NOW THEREFORE, if the Principal shall well and truly perform and fulfill all the undertakings,  
 covenants, terms, conditions, and agreements of said contract, and shall promptly make  
 payments to all persons supplying labor and material in the prosecution of the work provided for  
 in said contract, during the original term of said contract and any extensions or modifications  
 thereof that may be granted by the Municipality, with or without notice to the Surety, then this  
 obligation to be void; otherwise to remain in full force and effect.

This obligation is made for the use of said Obligee and also for use and benefit of all persons who  
 may perform any work or labor or furnish any material in the execution of said Contract and may  
 be sued on thereby in the name of said Obligee.

The said Surety, for the value received, hereby stipulates and agrees that no change, extension  
 of time, alteration or addition to the terms of the contract or to the work to be performed  
 thereunder or the specifications accompanying the same, shall in anywise affect its obligations on  
 this bond, and it does hereby waive notice of any such change, extension of time, alteration or  
 addition to the terms of the contract or to the work or to the specifications.

Whenever Principal shall be, and declared by Obligee to be in default under the Contract the Obligee having performed Obligee's obligations thereunder, the Surety may promptly remedy the default or shall promptly:

1. Complete the Contract in accordance with its terms and conditions, or
2. Obtain a bid or bids for submission to Obligee for completing the Contract in accordance with its terms and conditions and upon determination by Surety of the lowest responsible bidder, or, if the Obligee elects, upon determination by Obligee and the Surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and Obligee and make available as Work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price but not exceeding, including other costs and damages for which the Surety may be liable hereunder the amount set forth in the first paragraph hereof. The term "balance of the contract price" as used in this paragraph, shall mean the total amount payable by Obligee to Principal under the Contract and any amendments thereto, less the amount properly paid by Obligee to Principal.

IN TESTIMONY WHEREOF, the parties hereunto have caused the execution hereof in \_\_\_\_\_ original counterparts as of the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

WITNESS AS TO PRINCIPAL:

\_\_\_\_\_

(AFFIX CORPORATE SEAL)

\_\_\_\_\_

Principal Name

\_\_\_\_\_

Principal Signature

\_\_\_\_\_

Corporate Surety

\_\_\_\_\_

Surety Business Address

BY:

\_\_\_\_\_

(Attorney-In-Fact)

(AFFIX SURETY SEAL)

**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**IX**

**CERTIFICATE OF INSURANCE**

## INSURANCE

By submitting a bid, the bidder agrees, if they are the successful bidder, to obtain and maintain the insurance required by this section. The bidder also agrees to provide the Municipality a copy of their Certificate of Liability Insurance prior to signing the contract and prior to commencement of any work under this contract.

**GENERAL:** The Contractor will not allow any subcontractor to commence work until the subcontractor has obtained insurance as listed in this section. The contractor and each subcontractor shall maintain this insurance throughout the life of this contract, including any maintenance and/or guarantee/warranty period. The contractor shall obtain separate insurance certificates for each contract.

**ADDITIONAL INSURED:** The Municipality of Anchorage shall be listed as an additional insured on all General and Auto Liability policies required by this contract. All policies shall contain a waiver of subrogation against the Municipality, except Professional Liability. All policies shall remain in effect during the life of the contract. The Contractors insurance certificate shall also indicate the Municipality of Anchorage as a certificate holder of the policy.

**WORKERS COMPENSATION:** The Contractor shall purchase and maintain during the life of this contract, workers compensation insurance for all employees who will work on this project and, if any work is sublet, the Contractor shall require the subcontractor similarly to provide such insurance. Employers' Liability with a minimum limit of \$500,000 shall be maintained and Workers Compensation with minimum limits as required by Alaska State Workers Compensation Statutes. The policy shall contain a waiver of subrogation against the Municipality.

**NOTICE TO "OUT-OF-STATE" CONTRACTORS WORKING IN ALASKA:** The Contractor shall provide evidence of Workers Compensation insurance, either State of Alaska Workers Compensation coverage or an endorsement to the Contractor's home state Workers Compensation policy, evidencing coverage for "other states" including Alaska, prior to execution of a contract or, if approved, before commencement of contract performance in Alaska.

**GENERAL LIABILITY:** The Contractor shall purchase and maintain, in force, during the life of this contract such general liability insurance as shall protect the Owner and the Contractor against losses which may result from claims for damages for bodily injury, including accidental death, as well as from claims for property damages which may arise from any operations under this contract whether such operations be those of the Contractor, a subcontractor or anyone directly or indirectly employed by either of them.

<b><u>Commercial General Liability</u></b>	<b><u>Minimum Limits</u></b>
Products/Completed Operations	\$2,000,000
Personal & Advertising Injury	\$1,000,000
Each Occurrence	\$1,000,000
General Aggregate	\$2,000,000
Medical Payments	\$5,000
<b><u>Commercial Auto Liability</u></b>	<b><u>Minimum Limits</u></b>
Combined single limit (Bodily Injury and Property Damage)	\$1,000,000
Including all owned, hired, and non-owned	
<b><u>Workers Compensation and Employers Liability</u></b>	<b><u>Minimum Limits</u></b>
Per Alaska statute	\$500,000
<b><u>Errors and Omissions</u></b>	<b><u>Minimum Limits</u></b>
Professional Liability (Not required unless limits appear in space provided)	
<b><u>Umbrella Liability</u></b>	<b><u>Minimum Limits</u></b>
(Not required unless limits appear in space provided)	
\$ _____ S.I.R.	

Each insurance policy required by this section shall require the insurer to give advance notice to the MOA/Contract Administrator prior to the cancellation of the policy. IF the insurer does not notify the MOA upon policy cancellation, it shall be the Contractor's responsibility to notify the MOA of such cancellation.

**COMPLIANCE WITH LAWS**

The Contractor shall observe and abide by all applicable laws, regulations, ordinances and other rules of the State of Alaska and/or any political subdivisions thereof, or any other duly constituted public authority wherein work is done or services performed, and further agrees to indemnify and save the Municipality of Anchorage harmless from any and all liability or penalty which may be imposed or asserted by reason of the Contractor's failure or alleged failure to observe and abide thereby.

(Remainder of Page Initially left Blank)



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) shall be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

PRODUCER	CONTACT NAME: PHONE (A/C, No, Ext): _____ FAX (A/C, _____ E-MAIL ADDRESS: _____ <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>INSURER(S) AFFORDING COVERAGE</span> <span>NAIC #</span> </div>
INSURED	INSURER A : _____ INSURER B : _____ INSURER C : _____ INSURER D : _____ INSURER E : _____ INSURER F : _____

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE      OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS  <input type="checkbox"/> SCHEDULE D AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> OCCUR <b>EXCESS LIAB</b> CLAIMS-  DED      RETENTIONS \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE    Y / N  <input type="checkbox"/> OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below    N / A						WC STATUTORY LIMITS    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA \$ E.L. DISEASE - POLICY LIMIT \$

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)**

1. The Municipality of Anchorage is an additional insured on Auto and General Liability policies. All policies, including workers compensation, contain a WAIVER OF SUBROGATION against the Municipality, except Professional Liability, .
2. CANCELLATION: "Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the Policy Provisions."

### CERTIFICATE HOLDER

### CANCELLATION

	<p style="text-align: center; margin: 0;"><b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b></p> <p style="margin: 0;">Authorized Representative</p>
--	---



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**X**

**BID BOND**



# BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, \_\_\_\_\_  
 as Principal, and \_\_\_\_\_ a  
 corporation organized under the laws of the \_\_\_\_\_ and  
 authorized to transact surety business in the State of Alaska, of \_\_\_\_\_  
 \_\_\_\_\_ as Surety, are held and firmly bound unto the MUNICIPALITY OF  
 ANCHORAGE, as Obligee, in the full and just sum of \_\_\_\_\_  
 \_\_\_\_\_ (\$ \_\_\_\_\_) Dollars, lawful  
 money of the UNITED STATES, for the payment of which sum, well and truly to be made, we bind  
 ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly  
 by the presents.

WHEREAS, the said Principle is herewith submitting its proposal for \_\_\_\_\_  
 \_\_\_\_\_.

The condition of this obligation is such that if the aforesaid Principal will, within the time required enter  
 into a formal contract and give a good and sufficient bond to secure the performance of the terms and  
 conditions of the contract, then this Obligation to be void; otherwise the Principal and Surety will pay  
 unto to the Obligee the amount stated above.

Signed, sealed, and delivered \_\_\_\_\_, 20\_\_\_\_\_.

WITNESS AS TO PRINCIPAL:

\_\_\_\_\_

(AFFIX CORPORATE SEAL)

\_\_\_\_\_  
 Contractor Name

\_\_\_\_\_  
 Contractor Signature

\_\_\_\_\_  
 Corporate Surety

\_\_\_\_\_

\_\_\_\_\_  
 Surety Business Address

BY: \_\_\_\_\_  
 (Attorney-In-Fact)

(AFFIX SURETY SEAL)



**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**XI**

**BIDDER'S CHECKLIST AND RESPONSIBLE BIDDER**



## BIDDER'S CHECKLIST

### INSTRUCTIONS TO BIDDER

#### I. GENERAL

Bidders are advised that, notwithstanding any instructions or implications elsewhere in this Invitation to Bid, only the documents shown and detailed on this sheet need be submitted with and made part of their bid. Other documents may be required to be submitted after bid time, but prior to award. Bidders are hereby advised that failure to submit the documents shown and detailed on this sheet shall be justification for rendering the bid nonresponsive. Evaluation of bids for responsiveness shall be accomplished in accordance with Anchorage Municipal Code, Title 7.

#### II. REQUIRED DOCUMENTS FOR BID:

NOTE: Only the following listed items as marked with an "X" are required to be completely filled out and submitted with the bid.

  X   Bid proposal consisting of pages BP-1 through BP-5. BPs-2 and BP-5 must be manually signed.

  X   Erasures or other changes made to the Bid Proposal Sheet must be initialed by the person signing the bid.

       Two identical sets of descriptive literature, brochures, and/or data must accompany the bid where specifically requested or when in support of an "or equal" offer.

  X   Bid bond, certified check, cashiers check, money order or cash shall be submitted with the bid in the amount indicated.

  X   All Addenda issued shall be acknowledged in the space provided on the Bid Proposal sheet or by manually signing the Addenda sheet and submitting it prior to the bid opening in accordance with Anchorage Municipal Code 7.20.020C.

       Disadvantaged and Women-Owned Business Enterprises, Form 10-029

       Others





**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

**21-19**

**XII**

**BID PROPOSAL**



BID PROPOSAL  
(CERTIFICATION)

TO: MUNICIPALITY OF ANCHORAGE  
PURCHASING DEPARTMENT  
632 W. 6TH AVENUE, SUITE 520  
ANCHORAGE, ALASKA 99501

March 14, 2021

**SUBJECT:** Invitation to Bid No. **2023C011**

**PROJECT TITLE: Ptarmigan Elementary Pedestrian Improvements**

Pursuant to and in compliance with subject Invitation to Bid, and other bid documents relating thereto, the bidder hereby proposes to furnish all labor and materials and to perform all work for the construction of the above referenced project in strict accordance with the bid documents at the prices established in the Bid Proposal, page **BP- 1 through BP 5** submitted herewith.

The bidder agrees, if awarded the contract, to commence and complete the work within the time specified in the bid documents.

**BASIC BID; LUMP SUM; ONE JOB:** \$ \_\_\_\_\_

The bidder acknowledges receipt of the following addenda:

Addenda No. _____	Date of Addenda _____
Addenda No. _____	Date of Addenda _____
Addenda No. _____	Date of Addenda _____

Enclosed is a Bid Bond in the amount of \_\_\_\_\_.  
(Dollar Amount or Percentage of Bid)

Type of Business Organization

The bidder, by checking the applicable box, represents that it operates as ( ) a corporation incorporated under the laws of the State of \_\_\_\_\_, ( ) an individual, ( ) an LLC, ( ) a partnership, ( ) a nonprofit organization, or ( ) a joint venture. If a partnership or joint venture, identify all parties on a separate page.

**Is this project Federally Funded?**

**Yes**   
**No**

\_\_\_\_\_  
Company Name

BID PROPOSAL  
(CERTIFICATION)  
Continued

**SUBJECT:** Invitation to Bid No. **2023C011**

**PROJECT TITLE:** Ptarmigan Elementary School Pedestrian Improvements

\_\_\_\_\_  
Date

\_\_\_\_\_  
Alaska Contractor's License Number

\_\_\_\_\_  
Company Name (Printed)

\_\_\_\_\_  
Employer's Tax Identification Number

\_\_\_\_\_  
Authorized Representative Signature

\_\_\_\_\_  
Printed Name & Title

\_\_\_\_\_  
Company **Mailing** Address

\_\_\_\_\_  
Company Phone Number

\_\_\_\_\_  
City, State, Zip Code

\_\_\_\_\_  
Company Fax Number

\_\_\_\_\_  
Company **Physical** Address  
(if different from mailing address)

\_\_\_\_\_  
Company Email Address

\_\_\_\_\_  
City, State, Zip Code

**MUNICIPALITY OF ANCHORAGE**  
**TRAFFIC ENGINEERING DEPARTMENT**  
**PTARMIGAN ELEMENTARY PEDESTRIAN IMPROVEMENTS**  
**21-19**

ITEM NO.	SPEC. NO.	WORK DESCRIPTION	EST QTY	UNIT BID PRICE	TOTAL BID PRICE
A-1	20.02	Storm Water Pollution Prevention Plan (Type II)	per LS	1	
A-2	20.05 95.04	Clearing	per LS	1	
A-3	20.07	Remove Sidewalk	per SY	35	
A-4	20.08	Remove Curb and Gutter	per LF	440	
A-5	20.09 95.04	Remove Pavement	per SY	1,870	
A-6	20.10	Unusable Excavation	per CY	500	
A-7	20.11	Grading Existing Surfaces	per LF	500	
A-8	20.13	Trench Excavation and Backfill (Various Depths)	per LF	115	
A-9	20.15	Furnish Trench Backfill (Type II)	per Ton	80	
A-10	20.15	Furnish Trench Backfill (Type II-A)	per Ton	35	
A-11	20.16	Bedding Material (Class D)	per Ton	40	
A-12	20.21 95.04	Classified Fill and Backfill (Type II-A)	per Ton	105	
A-13	20.22 95.04	Leveling Course	per Ton	200	
A-14	20.27	Disposal of Unusable or Surplus Material	per CY	60	
A-15	20.28	Reconstruct Driveway, Asphalt (Class E)	per SY	35	
A-16	30.02 95.04	P.C.C. Curb and Gutter (All Types) (ADOT Class A)	per LF	475	

**MUNICIPALITY OF ANCHORAGE**  
**TRAFFIC ENGINEERING DEPARTMENT**  
**PTARMIGAN ELEMENTARY PEDESTRIAN IMPROVEMENTS**  
**21-19**

ITEM NO.	SPEC. NO.	WORK DESCRIPTION	EST QTY	UNIT BID PRICE	TOTAL BID PRICE
A-17	30.02 95.04	Curb Nose (ADOT Class A)	per Each	2	
A-18	30.03 95.04	P.C.C. Sidewalk (4-Inch) (Standard Finish) (ADOT Class A)	per SY	120	
A-19	30.03 95.04	P.C.C. Sidewalk (6-Inch) (Standard Finish) (ADOT Class A)	per SY	55	
A-20	30.04 95.04	P.C.C. Curb Ramp (All Types) (ADOT Class A)	per Each	5	
A-21	40.04	Asphalt Tack Coat	per Ton	1	
A-22	40.06	A.C. Pavement (Class E)	per Ton	385	
A-23	50.06 95.04	Adjust Sanitary Sewer Manhole to Grade	per Each	3	
A-24	55.04	Connect to Existing Storm Drain Manhole	per Each	2	
A-25	55.08	Adjust Storm Drain Manhole Ring	per Each	1	
A-26	55.09	Construct Catch Basin	per Each	1	
A-27	55.11	Remove Catch Basin	per Each	1	
A-28	55.12	Adjust Catch Basin to Finish Grade	per Each	1	
A-29	55.25 95.04	Storm Drain Pipe Cleaning	per LF	315	
A-30	55.27 95.04	Connect to Existing Storm Drain Pipe	per Each	3	
A-31	60.03	Remove and Replace Valve Box Top Section	per Each	5	
A-32	65.02	Construction Survey Measurement	per LS	1	

**MUNICIPALITY OF ANCHORAGE**  
**TRAFFIC ENGINEERING DEPARTMENT**  
**PTARMIGAN ELEMENTARY PEDESTRIAN IMPROVEMENTS**  
**21-19**

ITEM NO.	SPEC. NO.	WORK DESCRIPTION	EST QTY	UNIT BID PRICE	TOTAL BID PRICE
A-33	65.02	Two-Person Survey Crew per Hour	20		
A-34	70.10	Inlaid Traffic Markings (Methylemethacrylate, 4" Yellow, 125 mil) per LF	22		
A-35	70.10	Inlaid Traffic Markings (Methylemethacrylate, 24" White, 125 mil) per LF	104		
A-36	70.07	Remove Pipe per LF	114		
A-37	70.11	Standard Sign per SF	71		
A-38	70.11	Salvage Sign per Each	9		
A-39	70.12 95.04	Traffic Maintenance per LS	1		
A-40	70.13	Bollard (Steel) (Yellow) per Each	7		
A-41	75.03	Topsoil (4-Inch) per MSF	1		
A-42	75.04 95.04	Seeding (Schedule A) per MSF	1		

TOTAL SCHEDULE: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

DATE: \_\_\_\_\_





**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

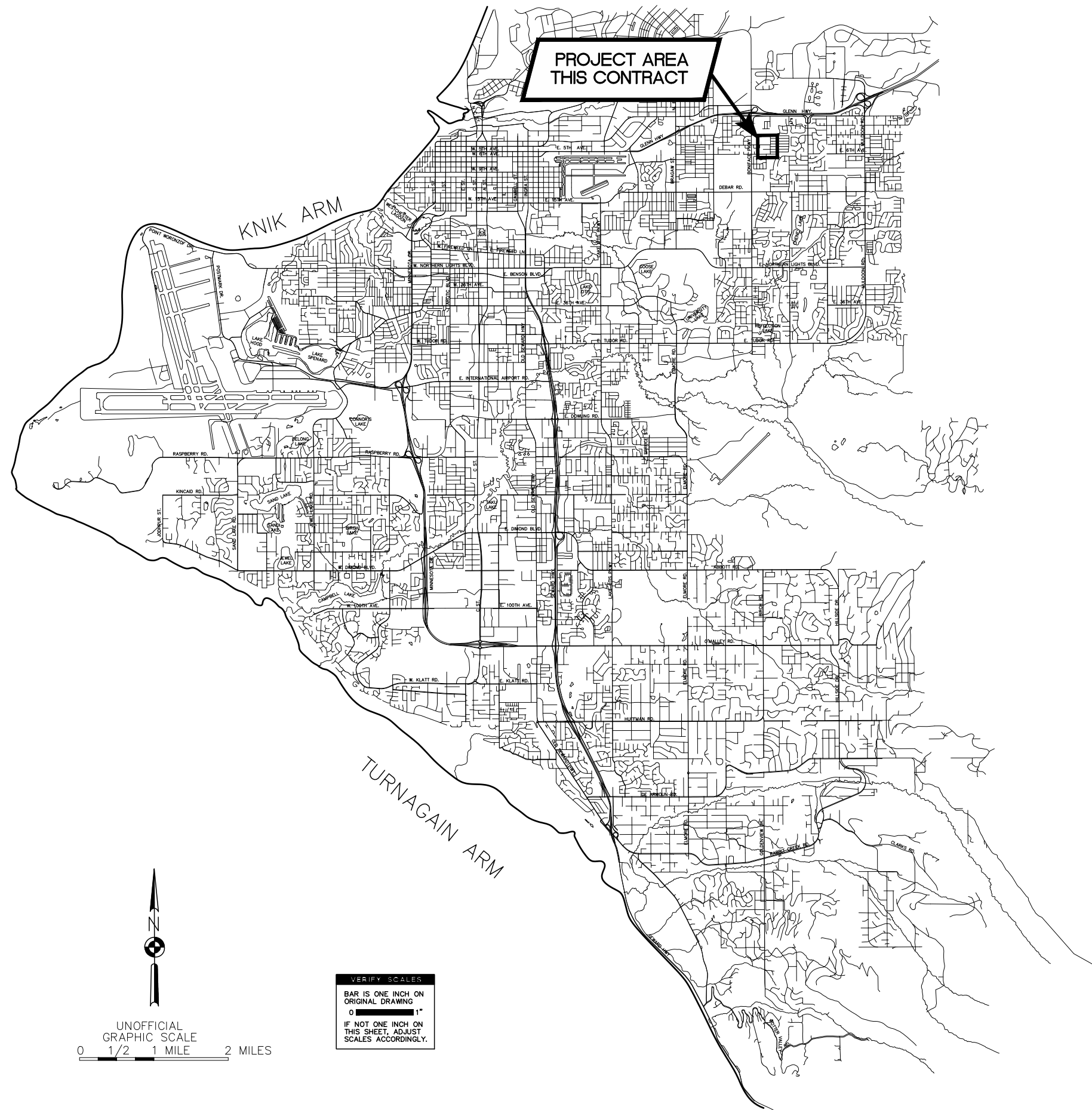
**21-19**

**XIII**

**PLANS (12 SHEETS)**



H:\jobs\21-014 MOA Traffic Eng Term I\06-Ptarmigan Elementary Pedestrian Improvements\CAD\Drawings\21014\_06\_01\_Cover.dwg, 1:2, 1/13/23 at 12:46 by WPEENCE

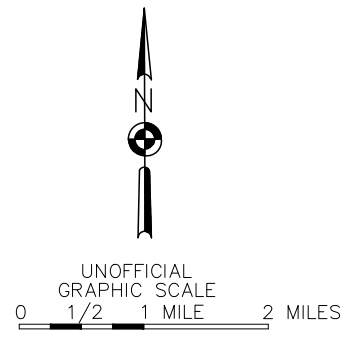


**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL  
AREA PEDESTRIAN IMPROVEMENTS  
PROJECT 21-19**

APPROVED BY:

*Brandon Telford*  
BRANDON TELFORD, P.E., ACTING MUNICIPAL ENGINEER

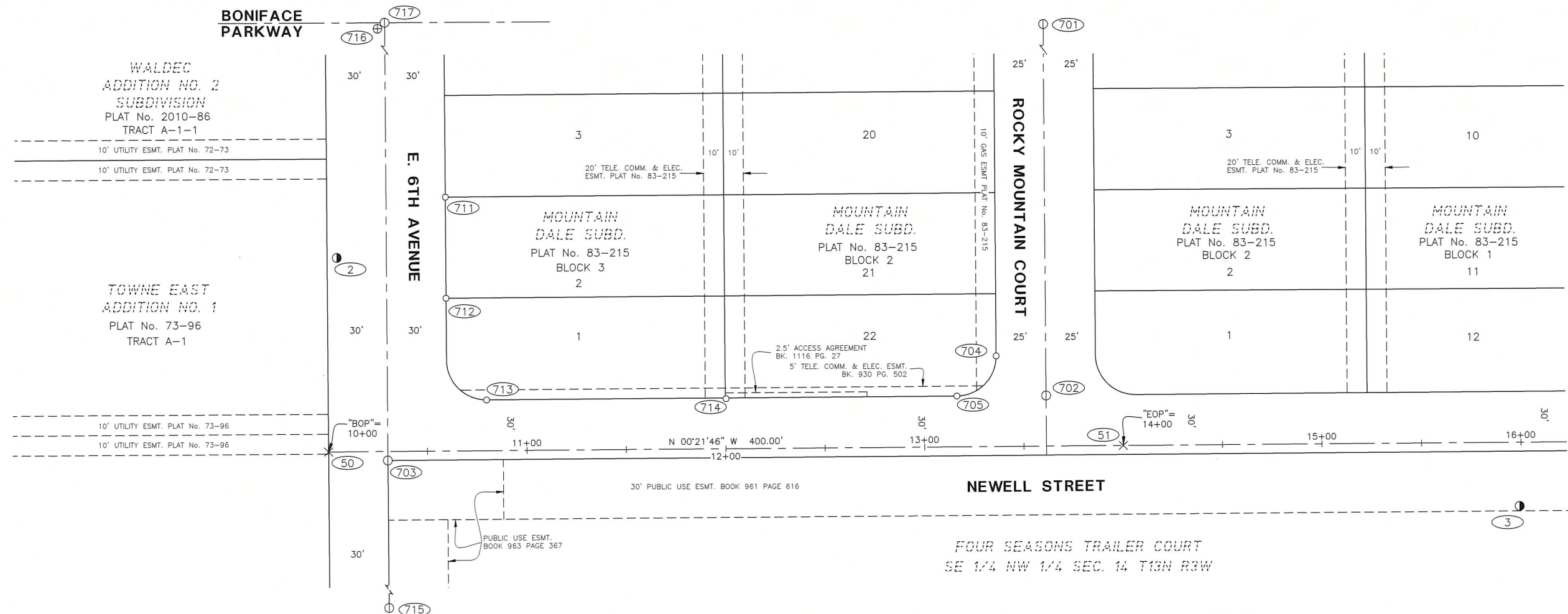


**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1"  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.







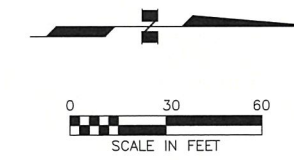


**NOTES**

1. THE FIELD SURVEY WAS PERFORMED BY HDL ENGINEERING CONSULTANTS, LLC ON AUGUST 18, 2020 AND FROM JULY 9 TO JULY 21 AND AUGUST 2, 2021. FIELD SURVEY INFORMATION FOR THIS PROJECT IS LOCATED IN M.O.A. TRAFFIC TERM 20-008 FIELD BOOK NO. 02 PAGES 66 THROUGH 67 AND M.O.A. TRAFFIC TERM 21-014 FIELD BOOK NO. 1 PAGES 2 THROUGH 24.
2. THIS PROJECT IS LOCATED ENTIRELY WITHIN THE ANCHORAGE BOWL 2000 ADJUSTMENT, A LOCAL SURFACE GRID COORDINATE SYSTEM, EXPRESSED IN U.S. SURVEY FEET, DEVELOPED BY THE ALASKA DEPARTMENT OF TRANSPORTATION.
3. THE BASIS OF COORDINATES IS NGS STATION O'MALLEY, LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O'MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 COORDINATES OF 303939.2310 N, 353362.5446 E. (U.S. SURVEY FEET).
4. THE BASIS OF BEARINGS IS A LOCAL PLANE BEARING BETWEEN NGS STATION O'MALLEY AND NGS STATION LOOP 2 USE RM 3 1964. NGS STATION LOOP 2 USE RM 3 1964 BEARS N 01°43'26.4" E A DISTANCE OF 49488.4476 FEET FROM NGS STATION O'MALLEY. NGS STATION LOOP 2 USE RM 3 1964 HAS ANCHORAGE BOWL 2000 COORDINATES OF 353405.2778 N, 354851.3982 E. (U.S. SURVEY FEET)
5. TO CONVERT THE LOCAL BOWL 2000 COORDINATES TO NAD 83 (92) ALASKA STATE PLANE, ZONE 4 COORDINATES, EXPRESSED IN U.S. SURVEY FEET; TRANSLATE USING +2,296,868.6878' N., +1,312,517.4904' E., AND SCALE USING 0.9998910192.
6. THE BASIS OF COORDINATES FOR THIS PROJECT IS POINT NUMBER 716, A FOUND 2-1/2" ALUMINUM MONUMENT IN A MONUMENT CASE AT THE INTERSECTION OF E. 6TH AVENUE AND BONIFACE PARKWAY. COORDINATES OF POINT 716 ARE 340,184.7918 N., 367,152.0453 E. AND ORIGINATE FROM THE AKDOT&PF SURVEY CONTROL DIAGRAM, HSIP: CENTRAL REGION TRAFFIC SIGNAL MODIFICATIONS BONIFACE PARKWAY AT E. 4TH AVENUE, PLAT No. 2012-55, DOT POINT NUMBER 719.
7. ELEVATIONS ARE BASED ON THE M.O.A. VERTICAL DATUM, 1972 N.G.S. ADJUSTMENT, FROM BENCHMARKS "CB 9E", ELEV=194.04' AND "CB 3A", ELEV=137.55'. SEE MOA WEBSITE "SURVEY BENCHMARKS" FOR FURTHER INFORMATION.
8. EASEMENTS OTHER THAN THOSE SHOWN MAY EXIST.
9. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE AND ON A SEASONAL BASIS.
10. NEWELL STREET ALIGNMENT IS THE CONSTRUCTION CENTERLINE AND IS APPROXIMATELY 4.5 FEET WEST OF THE RIGHT-OF-WAY CENTERLINE.

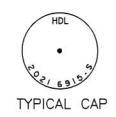
**CORDINATE SCHEDULE**

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
50	10+00.00	0.00 RT	340162.82	368465.65	BOP
2	10+04.99	97.31 LT	340167.20	368368.31	SET 2" ALCAP
715	10+29.33	1325.18 RT	340200.55	369790.61	FOUND 1-1/2" ALCAP
703	10+29.96	4.50 RT	340192.81	368469.96	FOUND 1-1/2" ALCAP
716	10+30.29	1313.43 LT	340184.79	367152.05	FOUND 2-1/2" MONUMENT
717	10+30.66	1316.23 LT	340185.15	367149.24	FOUND 1-1/2" ALCAP
712	10+60.01	76.65 LT	340222.34	368388.62	FOUND 5/8" REBAR
711	10+60.09	127.35 LT	340222.10	368337.92	FOUND 5/8" REBAR
713	10+79.88	25.46 LT	340242.54	368439.68	FOUND 3/4" REBAR
714	12+00.29	25.09 LT	340362.94	368439.29	FOUND 5/8" REBAR
705	13+16.43	25.50 LT	340479.08	368438.14	FOUND 5/8" REBAR
704	13+36.39	45.47 LT	340498.92	368418.04	FOUND 5/8" REBAR
702	13+61.41	25.35 LT	340524.07	368438.00	FOUND 1-1/2" ALCAP
701	13+61.83	485.04 LT	340521.57	367978.33	FOUND 1-1/2" ALCAP
51	14+00.00	0.00 RT	340562.81	368463.11	EOP
3	15+99.06	32.03 RT	340762.07	368493.88	SET 2" ALCAP



**LEGEND**

- ⊙ FOUND ALUMINUM CAP
- ⊕ FOUND ALUMINUM MONUMENT
- FOUND REBAR
- SET REBAR WITH ALUMINUM CAP
- × "BOP/EOP" NOTHING SET
- XXX SURVEY CONTROL POINT NUMBER



**RECORD DRAWING**

1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.

DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY
BASE		
TOPOGRAPHY		
PROFILE		
STORM SEWER		
WATER/SANITARY SEWER		
GAS		
TELEPHONE		
ELECTRIC		
DESIGN		
QUANTITIES		
PRELIMINARY/FINAL		
MUNICIPAL/STATE		

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
	CB-09E	5485 TAKU DRIVE, NE CORNER OF BUILDING	194.04'				
	CB-03A	ALASKA NATIVE CULTURAL CHARTER SCHOOL	137.55'				

PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL

**HDL ENGINEERING CONSULTANTS LLC**

- CIVIL ENGINEERING
- SURVEYING
- GEOTECHNICAL
- ENVIRONMENTAL

3335 Arctic Blvd., Suite 100  
Anchorage, AK 99503  
(907) 564-2120  
www.HDLalaska.com  
AECL861



TRAFFIC ENGINEERING DEPARTMENT

21-19 PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS

**SURVEY CONTROL**

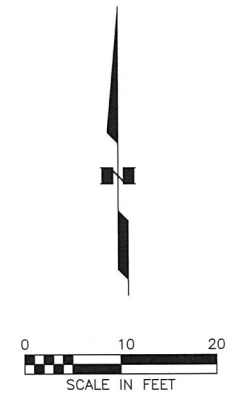
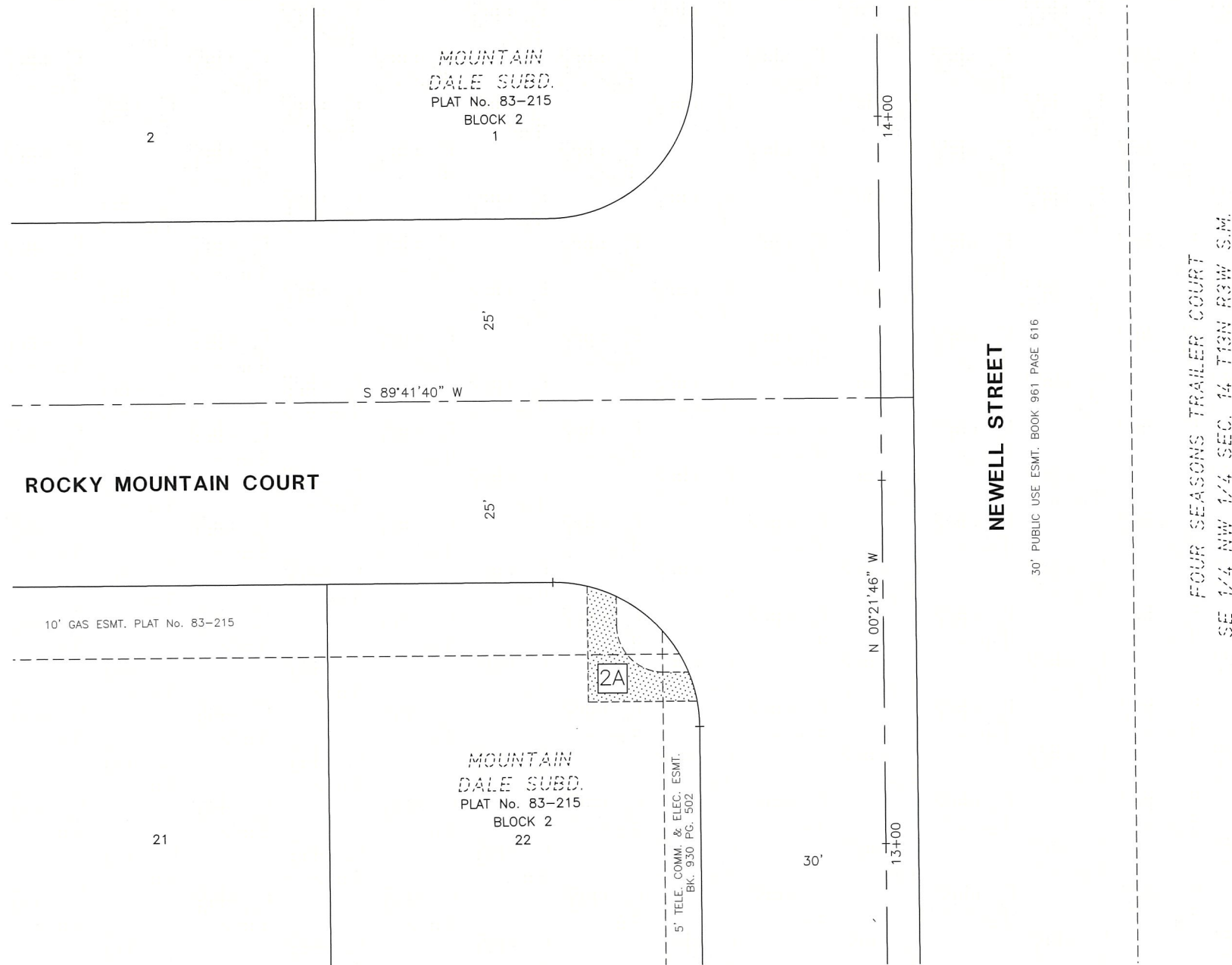
SCALE: HOR. 1"=30' VER. N/A

GRID: SW1238

DATE: JAN 2023

STATUS: \_\_\_\_\_

SHEET 3 of 12



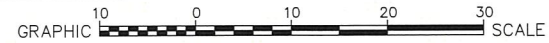
**LEGEND**

- # TCE PARCEL NUMBER
- [Hatched Box] TEMPORARY CONSTRUCTION EASEMENT (TCE)
- PROPERTY LINE
- - - - - EXISTING EASEMENT LINE

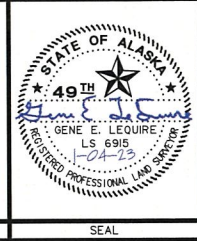
EASEMENTS OF RECORD OTHER THAN THOSE SHOWN MAY EXIST.  
 TEMPORARY CONSTRUCTION EASEMENTS ARE FULLY DIMENSIONED ON A SEPARATE PARCEL MAP EXHIBIT.

**RECORD DRAWING**  
 1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.  
 CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY	FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
BASE	—	—	—	—	—	—	—	—	—	—
TOPOGRAPHY	—	—	—	—	—	—	—	—	—	—
PROFILE	—	—	—	—	—	—	—	—	—	—
STORM SEWER	—	—	DESIGN MOA TRAFFIC TERM 20-008 BK 2 PAGES	CB-09E	5485 TAKU DRIVE, NE CORNER OF BUILDING	194.04'				
WATER/SANITARY SEWER	—	—	66-67, MOA TRAFFIC TERM 21-014 BK 1 PAGES	CB-03A	ALASKA NATIVE CULTURAL CHARTER SCHOOL	137.55'				
GAS	—	—	2-54, MOA TRAFFIC TERM 21-014 BK 2 PAGES							
TELEPHONE	—	—	19-20							
ELECTRIC	—	—	STAKING							
DESIGN	—	—	ASBUILT							
QUANTITIES	—	—	CONTRACTOR							
PRELIMINARY/FINAL	—	—	INSPECTOR							
MUNICIPAL/STATE	—	—								



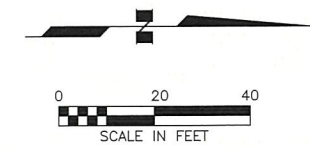
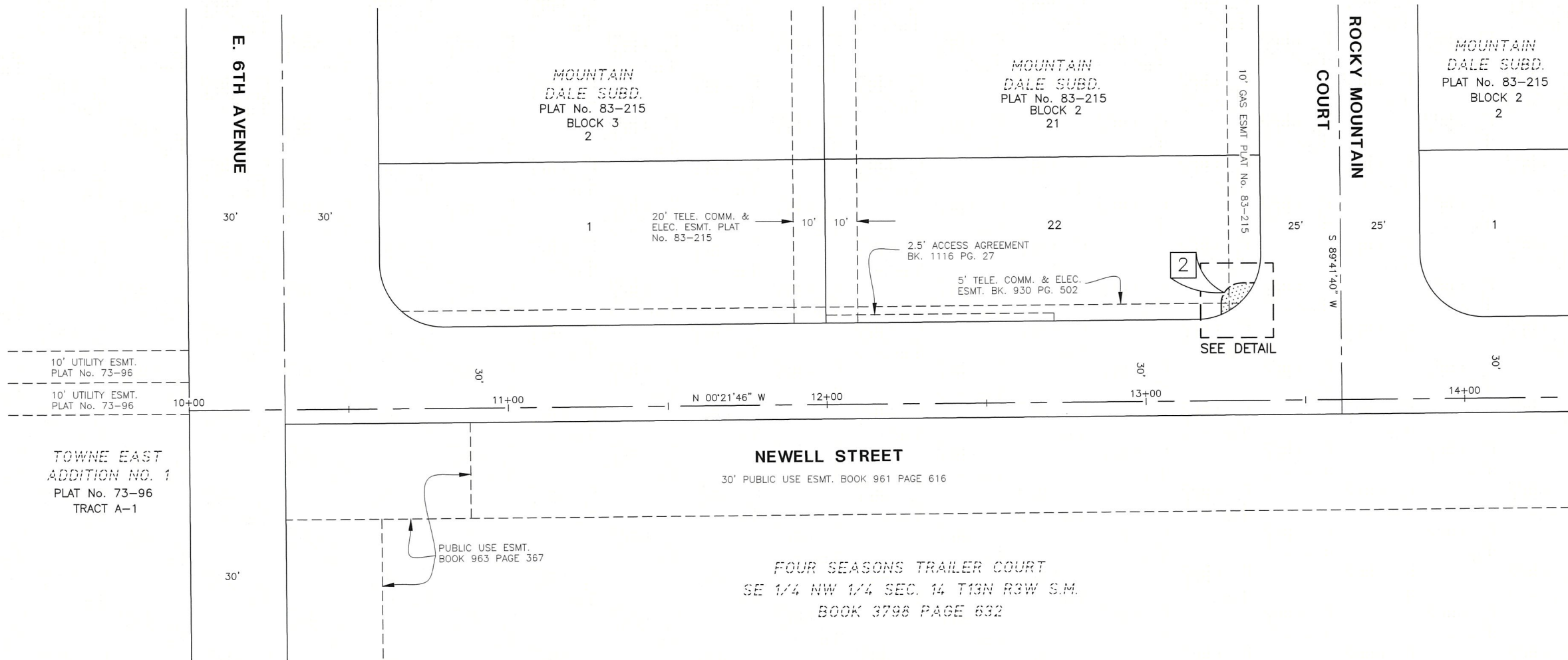
**HDL ENGINEERING**  
 Consultants LLC  
 • CIVIL ENGINEERING  
 • SURVEYING  
 • GEOTECHNICAL  
 • ENVIRONMENTAL  
 3335 Arctic Blvd., Suite 100  
 Anchorage, AK 99503  
 (907) 564-2120  
 www.HDLalaska.com  
 AECL861



TRAFFIC ENGINEERING DEPARTMENT  
 21-19 PTARMIGAN ELEMENTARY SCHOOL AREA  
 PEDESTRIAN IMPROVEMENTS  
**EASEMENT & PERMIT INDEX MAP**  
 SCALE HOR. 1"=10' VER. N/A GRID SW1238 DATE JAN 2023 STATUS SHEET 4 of 12

FILE NO. —





LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 89°41'40" W	3.30'
L2	N 00°21'46" W	4.00'

RIGHT OF WAY ACQUISITION TABLE					
PARCEL	OWNER NAME	LEGAL DESCRIPTION	TYPE	AREA (SF)	DOCUMENT NUMBER
2	ABED JUNIOR FEDE	LOT 22, BLOCK 2, MOUNTAIN DALE SUB. PLAT No. 83-215	PUE	56	

**LEGEND**

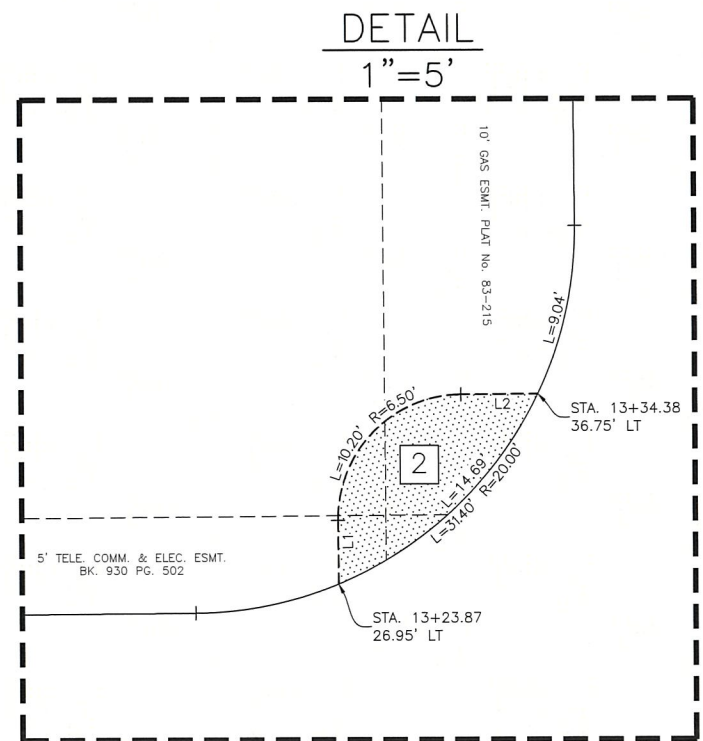
# PUE PARCEL NUMBER

[Pattern] PUBLIC USE EASEMENT (PUE)

— PROPERTY LINE

- - - - - EXISTING EASEMENT LINE

EASEMENTS OF RECORD OTHER THAN THOSE SHOWN MAY EXIST.



**RECORD DRAWING**

1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.

DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY
BASE	—	—
TOPOGRAPHY	—	—
PROFILE	—	—
STORM SEWER	—	—
WATER/SANITARY SEWER	—	—
GAS	—	—
TELEPHONE	—	—
ELECTRIC	—	—
DESIGN	—	—
QUANTITIES	—	—
PRELIMINARY/FINAL	—	—
MUNICIPAL/STATE	—	—

FIELD BOOKS	BM NO.	LOCATION	ELEV.	REV	DATE	DESCRIPTION	BY
DESIGN MOA TRAFFIC TERM 20-008 BK 2 PAGES	CB-09E	5485 TAKU DRIVE, NE CORNER OF BUILDING	194.04'				
66-67, MOA TRAFFIC TERM 21-014 BK 1 PAGES	CB-03A	ALASKA NATIVE CULTURAL CHARTER SCHOOL	137.55'				
SIKANIWA TRAFFIC TERM 21-014 BK 2 PAGES							

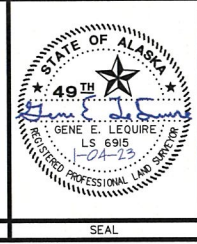
  

PLAN CHECK	CONSTRUCTION RECORD	VERTICAL DATUM	REVISIONS	CONSULTANT	SEAL

**HDL ENGINEERING Consultants LLC**

• CIVIL ENGINEERING  
• SURVEYING  
• GEOTECHNICAL  
• ENVIRONMENTAL

3335 Arctic Blvd., Suite 100  
Anchorage, AK 99503  
(907) 564-2120  
www.HDLalaska.com  
AECL61



TRAFFIC ENGINEERING DEPARTMENT

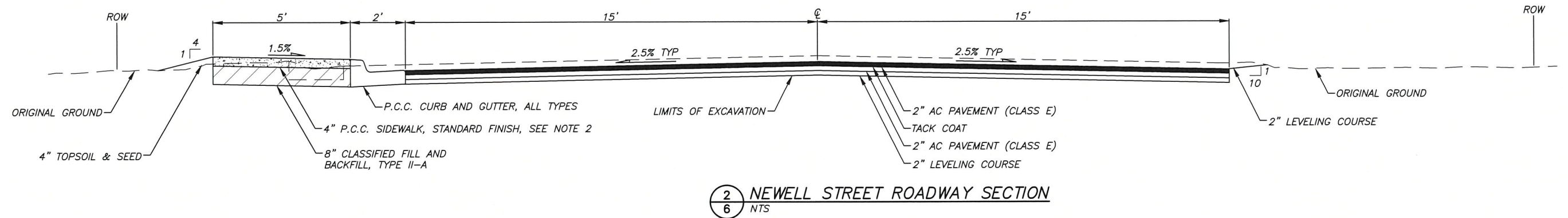
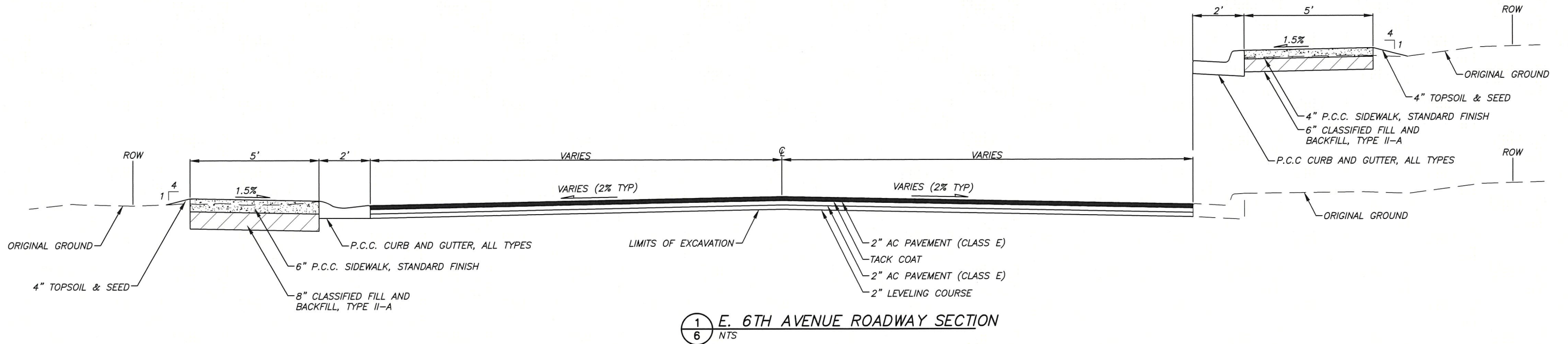
21-19 PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS

**RIGHT-OF-WAY MAP**

SCALE HOR. 1"=20' VER. N/A GRID SW1238 DATE JAN 2023 STATUS

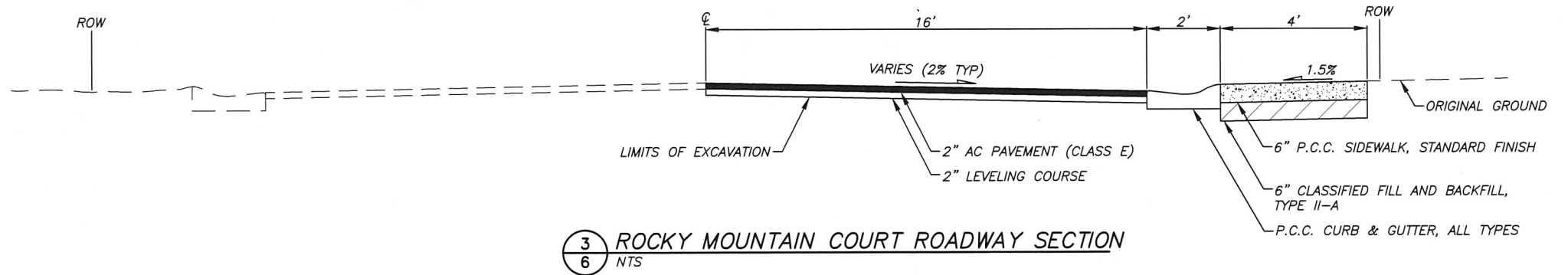
5 of 12 SHEET

FILE NO. -



**NOTES:**

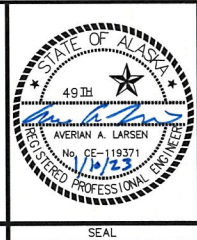
1. SEE LAYOUT POINT TABLE FOR ROADWAY GRADES, SIDEWALK GRADES, AND CURB AND GUTTER TYPES. ROADWAY CROSS SLOPES SHALL HAVE A MAXIMUM SLOPE OF 3%. SIDEWALK CROSS SLOPES SHALL HAVE A MAXIMUM SLOPE OF 2%.
2. SIDEWALK SHALL BE 6" THICK AT DRIVEWAYS AND LOCATIONS WITH TYPE 2 MOUNTABLE CURB AND GUTTER.
3. PRIOR TO PLACEMENT OF FILL, NATIVE MATERIAL SHALL BE SCARIFIED, PROOF-ROLLED, AND COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY TO A MINIMUM THICKNESS OF 8 INCHES UNDER NEW PAVEMENT AND 6 INCHES UNDER NEW SIDEWALK, OR AS DIRECTED BY THE ENGINEER.
4. ALL FILL, USABLE EXCAVATION, AND PLACED NATIVE MATERIAL SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY, PER M.A.S.S. DIVISION 20 EARTHWORK.



**RECORD DRAWING**  
 1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.  
 CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY	FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
BASE										
TOPOGRAPHY										
PROFILE										
STORM SEWER			DESIGN							
WATER/SANITARY SEWER										
GAS			STAKING							
TELEPHONE										
ELECTRIC										
DESIGN			ASBUILT							
QUANTITIES										
PRELIMINARY/FINAL			CONTRACTOR							
MUNICIPAL/STATE			INSPECTOR							

**HDL ENGINEERING**  
 CONSULTANTS LLC  
 • CIVIL ENGINEERING  
 • SURVEYING  
 • GEOTECHNICAL  
 • ENVIRONMENTAL  
 3335 Arctic Blvd., Suite 100  
 Anchorage, AK 99503  
 (907) 564-2120  
 www.HDLalaska.com  
 AECL861



TRAFFIC ENGINEERING DEPARTMENT

21-19 PTARMIGAN ELEMENTARY SCHOOL  
AREA PEDESTRIAN IMPROVEMENTS

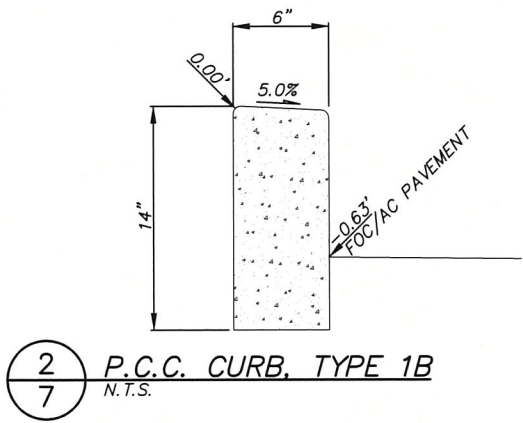
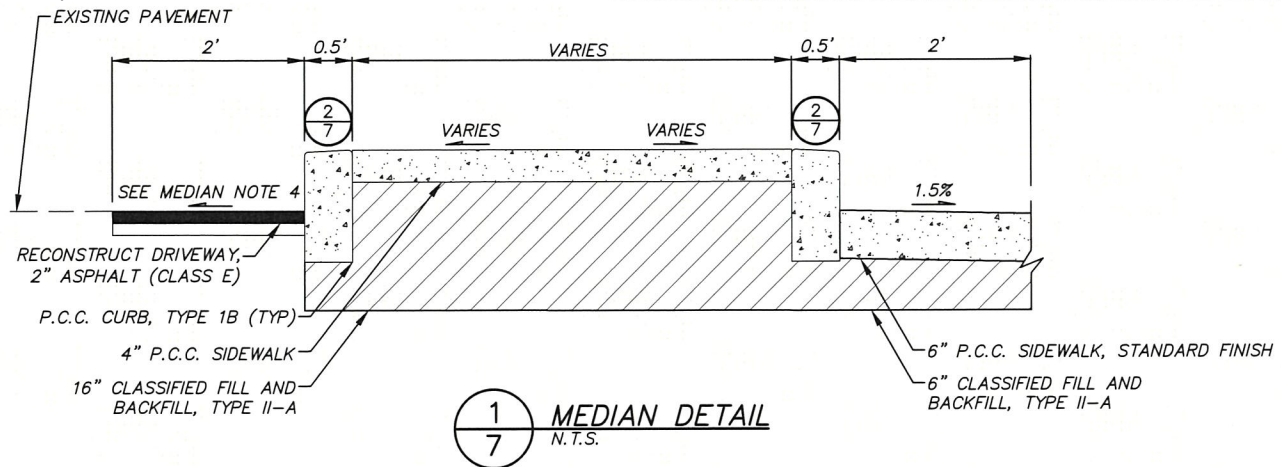
**TYPICAL SECTIONS**

SCALE: HOR. NTS  
VER. NTS

GRID: SW1238  
DATE: JAN, 2023  
STATUS: \_\_\_\_\_

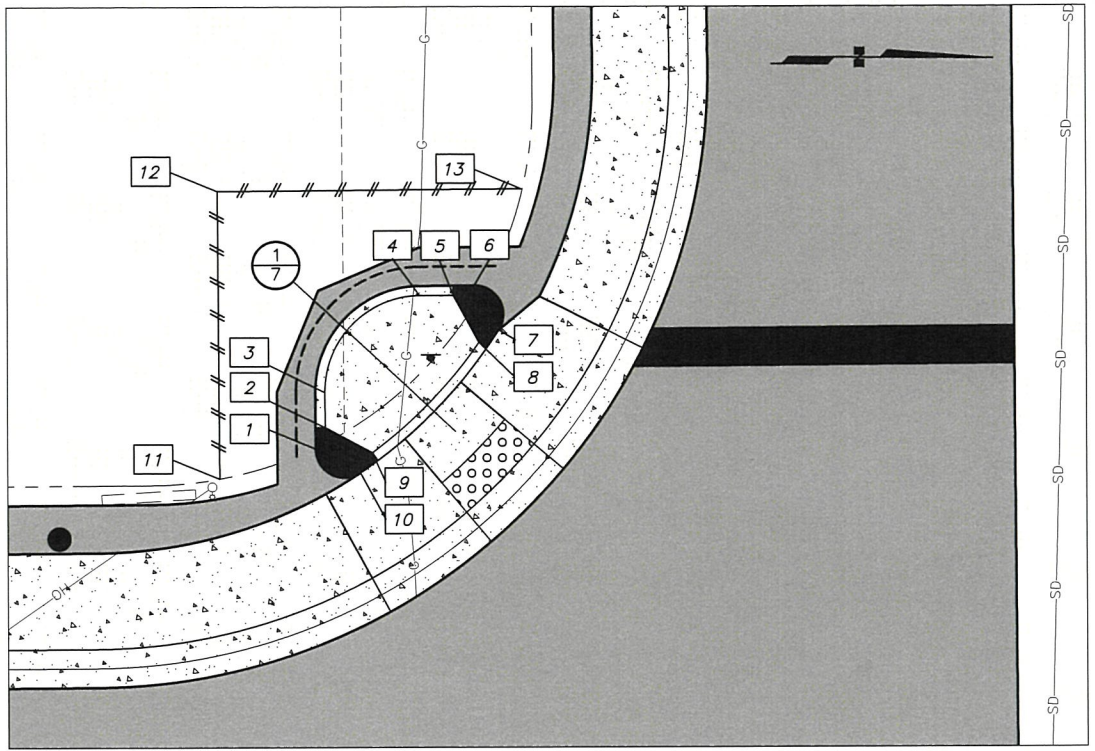
6 of 12  
SHEET



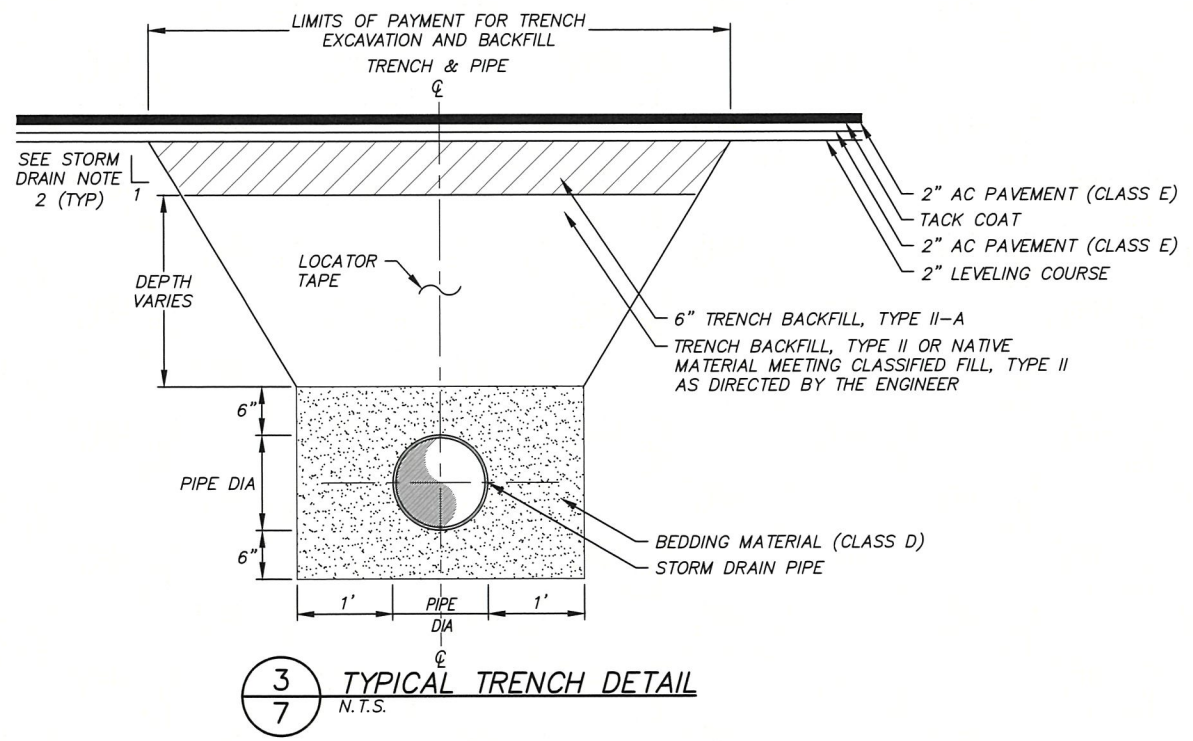


**MEDIAN NOTES:**

1. TROWEL BOTH FRONT AND BACK EDGES OF TYPE 1B CURB TO A RADIUS OF 1/2 INCH.
2. EXCLUDE GUTTER PAN FROM P.C.C. CURB AND GUTTER AROUND MEDIAN.
3. SLOPE ASPHALT SO THAT WATER DOES NOT POND IN THE MEDIAN.
4. ENSURE POSITIVE DRAINAGE TOWARDS THE ROAD.
5. PRIOR TO PLACEMENT OF FILL, NATIVE MATERIAL SHALL BE SCARIFIED, PROOF-ROLLED, AND COMPACTED TO A MINIMAL THICKNESS OF 6 INCHES, OR AS DIRECTED BY THE ENGINEER.
6. ALL FILL, USABLE EXCAVATION, PLACED NATIVE MATERIAL SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY, PER M.A.S.S. DIVISION 20 EARTHWORK.



**4 INTERSECTION DETAIL**  
N.T.S.



**STORM DRAIN NOTES:**

1. TRENCH BACKFILL MATERIAL PLACED AND COMPACTED TO DEPTHS SHOWN IN THE DRAWINGS OR AS DETERMINED BY THE ENGINEER. COMPACT TRENCH BACKFILL TO A MINIMUM OF 95% MAXIMUM DENSITY.
2. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
3. BACKFILL SHALL BE FREE OF CLAYS AND ORGANIC MATERIAL.

LAYOUT SCHEDULE				
POINT	STATION	OFFSET	ELEVATION	REMARKS
1	13+24.87	27.33 LT	192.49	FOC, CURB NOSE, PT
2	13+25.37	28.44 LT	193.10	TBC, END CURB NOSE
3	13+25.38	30.26 LT	193.09	TBC, PC, R=5.5'
4	13+30.38	35.25 LT	193.05	TBC, PT
5	13+32.15	35.25 LT	193.04	TBC, BEGIN CURB NOSE, STD DTL 30-4
6	13+33.26	35.75 LT	192.39	FOC, CURB NOSE, PC, R=1.5'
7	13+34.52	33.44 LT	192.39	FOC, CURB NOSE, PCC, R=25'
8	13+33.48	32.80 LT	193.01	TBC, END CURB NOSE
9	13+27.82	27.11 LT	193.09	TBC, PT, BEGIN CURB NOSE, STD DTL 30-4
10	13+27.19	26.07 LT	192.49	FOC, CURB NOSE, PCC, R=1.5'
11	13+19.87	25.81 LT	N/A	TCE LAYOUT POINT
12	13+19.89	40.75 LT	N/A	TCE LAYOUT POINT
13	13+35.76	40.75 LT	N/A	TCE LAYOUT POINT

H:\Jobs\21-19 MVA Traffic Eng Term \06-Portland Elementary Pedestrian Improvements\21014\_06\_05\_06.dwg, 1=1, 11-15-21 at 10:41 By WBP  
 ANNOT: Layout1  
 PLOT: 21-19\_06\_05

**RECORD DRAWING**

1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.

CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.

DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY	FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY
BASE	---	---								
TOPOGRAPHY	---	---								
PROFILE	---	---								
STORM SEWER	---	---	DESIGN							
WATER/SANITARY SEWER	---	---								
GAS	---	---	STAKING							
TELEPHONE	---	---								
ELECTRIC	---	---								
DESIGN	---	---	ASBUILT							
QUANTITIES	---	---								
PRELIMINARY/FINAL	---	---	CONTRACTOR							
MUNICIPAL/STATE	---	---	INSPECTOR							

**HDL ENGINEERING Consultants LLC**

- CIVIL ENGINEERING
- SURVEYING
- GEOTECHNICAL
- ENVIRONMENTAL

3335 Arctic Blvd., Suite 100  
Anchorage, AK 99503  
(907) 564-2120  
www.HDLalaska.com  
AECLEB61



TRAFFIC ENGINEERING DEPARTMENT

21-19 PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS

**DETAILS**

SCALE: HOR. 1"=5' VER. NTS

GRID: SW1238

DATE: JAN. 2023 STATUS: \_\_\_\_\_

SHEET 7 of 12

FILE NO. -















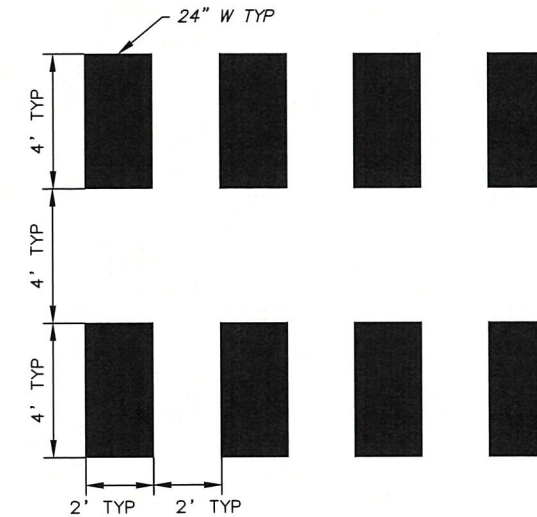




SHEET NO.	POST NO.	STATION	OFFSET	TYPE	LEGEND	SIZE (IN x IN)	AREA FT <sup>2</sup>	SIGN FACES	POST SIZE (IN)	THICKNESS (IN)		REMARKS
										FRAMED	UNFRAMED	
11	1	10+03.69	RT	R7-107A_A		18x18	2.25	W	2.5" PT		0.125	OWNER FURNISHED SIGN INSTALLED BY THE CONTRACTOR.
11	2	10+04.78	RT	S1-1		36x36	9.00	W	2.5" PT		0.125	
				W16-7PL		24x12	2.00	W			0.125	
11	3	10+54.66	RT	S1-1		36x36	9.00	E	2.5" PT		0.125	
				W16-7PL		24x12	2.00	E			0.125	
11	4	10+55.70	LT	R7-107A_A		18x18	2.25	E	2.5" PT		0.125	OWNER FURNISHED SIGN INSTALLED BY THE CONTRACTOR.
11	5	10+76.17	LT	D3-101		(2)30x8	3.33	E/W	2.5" PT		0.125	
				D3-101		(2)30x8	3.33	N/S			0.125	
				R1-1		30x30	6.25	N			0.125	
11	6	11+01.00	RT	R2-1		24x30	5.00	S	2.5" PT		0.125	
11	7	11+34.57	RT	D14-152A		30x36	5.00	E	2.5" PT		0.125	OWNER FURNISHED SIGN INSTALLED BY THE CONTRACTOR.
				SPECIAL		30x12	2.50	E			0.125	OWNER FURNISHED SIGN INSTALLED BY THE CONTRACTOR. FOUR SEASONS APARTMENT HOMES 2 SIGNS BACK TO BACK
11	8	13+30.95	LT	R14-1AL/R		(2)36x8	4.00	E/W	2.5" PT	0.125		
				D3-101		(2)42x8	4.67	N/S			0.125	
				D3-101		(2)30x8	3.33	E/W			0.125	
				R1-1		30x30	6.25	W			0.125	

**SIGNING NOTES**

1. THE LETTERING FOR NAMES OF STREETS ON STREET NAME SIGNS SHALL BE COMPOSED OF A COMBINATION OF LOWER-CASE LETTERS WITH INITIAL UPPER-CASE LETTERS I.A.W. M.U.T.C.D. SECTION 2D.43.
2. PT = PERFORATED TUBE
3. THE CONTRACTOR SHALL ENSURE THAT 7-FT OF CLEARANCE IS PROVIDED BETWEEN THE BOTTOM OF THE SIGN AND THE SIDEWALK.
4. ALL SALVAGED SIGNS SHALL BE RETURNED TO THE ANCHORAGE MUNICIPAL SIGN SHOP.
5. CONTACT TRAFFIC ENGINEERING DEPARTMENT AT 907-343-8406 TO REQUEST A WORK ORDER FOR MANUFACTURING THE OWNER FURNISHED SIGNS AT TIME OF SIGN SUBMITTAL APPROVAL.



1 CROSSWALK STRIPING DETAIL  
12 NTS

**SIGN SALVAGE SUMMARY**

SHEET NO.	STATION	OFFSET	REMARKS
8	10+04.0	RT	BUS STOP
8	10+05.0	RT	SCHOOL CROSSING; DIAGONAL LEFT ARROW; ADOPT A PARK; MEN & WOMEN OF 517TH COMBAT AGE TEAM, EAFB, ALASKA
8	10+54.0	RT	SCHOOL CROSSING; DIAGONAL LEFT ARROW
8	10+56.0	RT	BUS STOP
8	10+69.0	LT	E 6TH AVE; NEWELL ST; STOP
8	11+01.0	RT	SPEED LIMIT 20 MPH
8	11+35.0	RT	ADOPT A ROAD; FOUR SEASONS APARTMENT HOMES
8	13+20.0	LT	NEWELL ST; ROCKY MOUNTAIN COURT, ON EXISTING LIGHT POLE
8	13+30.0	RT	STOP

**RECORD DRAWING**  
 1. DATA PROVIDED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 THIS WILL SERVE TO CERTIFY THAT THESE RECORD DRAWINGS ARE A TRUE AND ACCURATE REPRESENTATION OF THE PROJECT AS CONSTRUCTED.  
 CONTRACTOR: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 2. DATA TRANSFERRED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 3. BASED ON PERIODIC FIELD OBSERVATIONS BY THE ENGINEER (OR AN INDIVIDUAL UNDER HIS/HER DIRECT SUPERVISION), THE CONTRACTOR-PROVIDED DATA APPEARS TO REPRESENT THE PROJECT AS CONSTRUCTED.  
 DATA TRANSFER CHECKED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

DATA	DRAWN BY	CHECKED BY
BASE	---	---
TOPOGRAPHY	---	---
PROFILE	---	---
STORM SEWER	---	---
WATER/SANITARY SEWER	---	---
GAS	---	---
TELEPHONE	---	---
ELECTRIC	---	---
DESIGN	---	---
QUANTITIES	---	---
PRELIMINARY/FINAL	---	---
MUNICIPAL/STATE	---	---

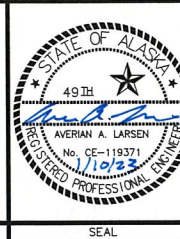
  

FIELD BOOKS	TBM NO.	LOCATION	ELEV.	REV.	DATE	DESCRIPTION	BY

DESIGN	CONTRACTOR	INSPECTOR

**HDL ENGINEERING**  
 CONSULTANTS LLC  
 • CIVIL ENGINEERING  
 • SURVEYING  
 • GEOTECHNICAL  
 • ENVIRONMENTAL  
 3335 Arctic Blvd., Suite 100  
 Anchorage, AK 99503  
 (907) 564-2120  
 www.HDLalaska.com  
 AECL851



TRAFFIC ENGINEERING DEPARTMENT  
 21-19 PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS  
**SIGN SUMMARY AND SALVAGE**  
 SCALE: HOR. NTS VER. NTS    GRID: SW1238    DATE: JAN, 2023    STATUS:    SHEET 12 of 12  
 FILE NO. -

**MUNICIPALITY OF ANCHORAGE  
TRAFFIC ENGINEERING DEPARTMENT**

**PTARMIGAN ELEMENTARY SCHOOL AREA PEDESTRIAN IMPROVEMENTS**

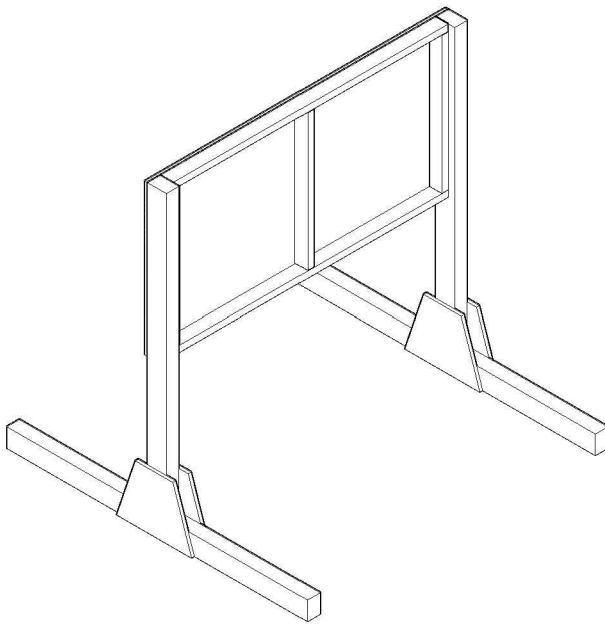
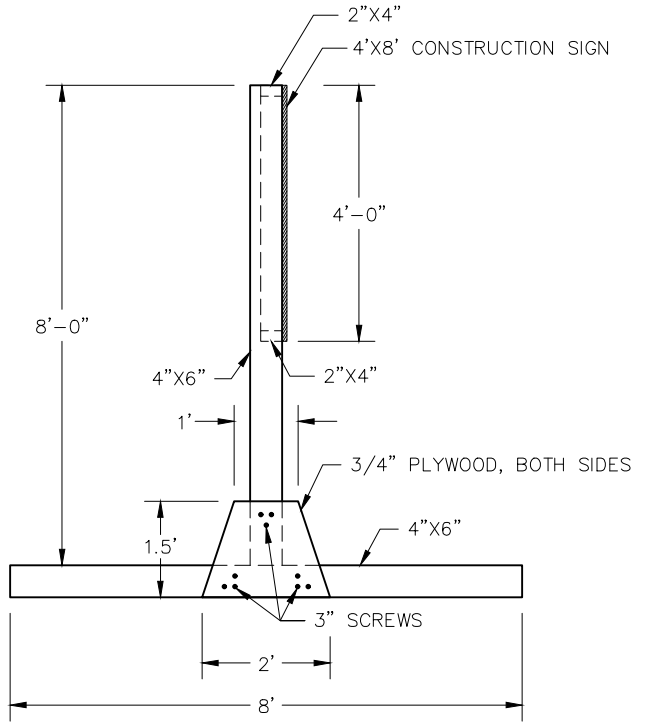
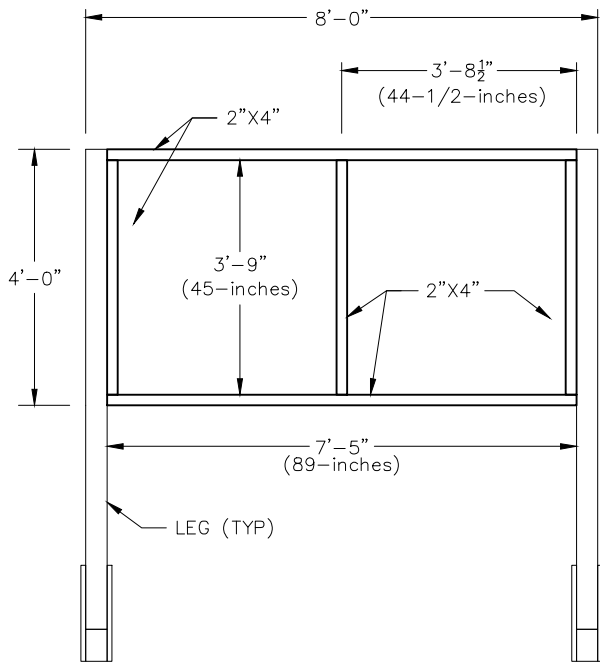
**21-19**

**Appendix A**

**Project Information Sign Detail**







BACK



FRONT



**MOA/PM&E CONSTRUCTION  
SIGN LEGS & FRAMES DETAIL**

SCALE:  
NTS

REVISED:  
9/21