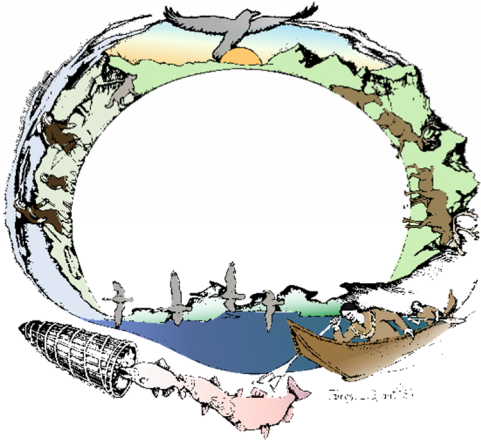




Tanana
Chiefs
Conference

University Davis Building Septic System Replacement

Solicitation

July 16, 2026

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I. Solicitation

Tanana Chiefs Conference (TCC) is soliciting bids from qualified contractors for the replacement of the septic system for the University Davis Building located at 2175 University Ave, Fairbanks, AK 99709.

Registration/Questions: Each Proposer must register by 5:00 p.m. on July 21, 2026 to submit written questions and receive addenda notifications. To register, please send an email to Project Managers, Daren Schlotfeldt (Daren.Schlotfeldt@tananachiefs.org) and Tim Troppmann (Timothy.Troppmann@tananachiefs.org). Include firm name, address, telephone, email address, and name of contact person. A sample contract will be sent to those that register.

Minimum Contractor Qualifications: To be eligible to submit a bid for this project, Contractor is required to demonstrate they have a minimum of three years' construction experience and have completed at least three projects of similar size and scope.

Written Questions and Addenda Publication: All questions must be submitted in writing to Daren.Schlotfeldt@tananachiefs.org and Timothy.Troppmann@tananachiefs.org on or before July 23, 2026 by 5:00 PM Alaska Time (AKT).

Bid Submission Deadline: Bids must be received by email no later than July 30, 2026, 2:00 PM (AKT), sent to Daren.Schlotfeldt@tananachiefs.org and Timothy.Troppmann@tananachiefs.org. Bids received after the time announced will not be considered, unless otherwise determined by TCC.

Additional bid submission details:

- Only emailed electronic bids will be accepted - recommend setting a delivery and read receipt
- Bids will not be opened publicly
- Faxed bids will not be accepted

II. Project Overview

Tanana Chiefs Conference is a non-profit Tribal Organization who provides health services, education, training, and work force development opportunities to more than 10,000 Alaska Natives located in 42 Villages throughout Interior Alaska.

Project Team:

Owner:	Tanana Chiefs Conference
Project Manager:	Daren Schlotfeldt (Daren.Schlotfeldt@tananachiefs.org) Tim Troppmann (Timothy.Troppmann@tananachiefs.org)
Designer:	AK Built Construction & Design

Project Delivery

Method:	Design-Bid-Build
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III. Scope of Work

Each bidder shall thoroughly examine the work area and be familiar with the contract documents. The failure or neglect of a bidder to receive or examine any contract document or any part thereof shall in no way relieve it from any obligations with respect to its Bid or to the contract. No claim for additional compensation shall be allowed which is based upon a lack of knowledge of any contract document.

The scope of work includes the following activities:

- A. **Demolition:** Reference Appendix B for site specific drawings.
 - a. Remove and dispose of existing 2,500 gallon septic tank.
 - b. Remove and stockpile landscape rock for reinstallation.
 - c. Where proposed SAS overlaps existing SAS, over excavate a minimum of two feet beyond proposed SAS limits. Backfill over excavation with classified fill.
 - d. Remove existing AC pavement to property line.
- B. **Soil Conditions**
 - a. A test hole will be excavated to collect soil, percolation, and ground water data for the designed system.
 - b. Should site conditions differ from the assumed conditions used for design, contractor shall document conditions and contact TCC project manager to confirm alternative action and means for financial compensation.
- C. **New Construction:** Reference Appendix B for site specific drawings.
 - a. Install foundation clean out.
 - b. Install 2,500 gallon septic tank.
 - c. Install double clean out.
 - d. Install 24' W X 90' L bed SAS.
 - e. Reinstall riprap landscape.
 - f. Repave parking lot.

- g. Topsoil and seed remaining disturbed area.

D. Inspections

- a. A substantial completion inspection shall be performed by TCC. One-week minimum notice is to be provided prior to requesting inspection.

E. **Work Plan & Schedule:** Immediately after the Notice of Intent to Award, the Contractor is responsible for developing and submitting a formal Work Plan & Schedule based on procurement of the required materials and phasing of the project. Contractor shall also submit for approval, product data for all products incorporated into the work. The Work Plan & Schedule will be used by TCC to notify building users of upcoming activities and coordination. The Contractor will provide 3-week look ahead schedule and update the document during construction activities. The Work Plan & Schedule shall be submitted to TCC for review within 7 working days of the NOITA. Email to TCC Project Manager is an acceptable method of submitting work plan, schedule, and product data.

- a. Work Plan will be reviewed by TCC to coordinate any projects that may be in vicinity of work.
- b. Contractor shall plan for and schedule the portion of work associated with the service of the buildings waste line to be completed after hours and/or weekends to ensure no disruption to the buildings occupants. The buildings domestic waste service must remain operational during normal business hours for the duration of the project.
- c. TCC intends to cancel any current routine septic pumping services at project start date and any future pumping service required during the course of construction will be the responsibility of the contractors to coordinate.

F. **Close-Out:** Contractor will provide as built drawings denoting variation from design, O&M data as applicable to equipment, and provide any onsite owner training required to operate and maintain the equipment safely and effectively.

Schedule

Issue Request for Bids to Contractors	July 16, 2026
Deadline for Questions (5:00 PM AKT)	July 23, 2026
Receive and Open Bids (2:00 PM AKT)	July 30, 2026
Issue Notice of Intent to Award (NOITA)	July 31, 2026
Execute Construction Contract/Notice to Proceed	August 7, 2026
Substantial Completion	September 11, 2026

Complete Construction	September 18, 2026
Final Invoice for Services	September 24, 2026

All dates are approximate and contingent upon the completion of previous activities.

IV. Work Considerations/Restrictions

- A. **Site Access:** Pedestrian access to adjacent building entrances/exits must be maintained for the duration of construction. Contractor shall clearly demarcate pedestrian access paths, so they are easily recognizable and safe.
- B. **Work Hours:** The University Davis Building is occupied from 8am to 5pm Monday - Friday. Contractor work hours shall not be limited, but will be confirmed and coordinated with the project manager.
- C. **Contractor Staging Area:** A staging area for materials and equipment will be designated, and the location will be maintained by contractor.
- D. **Construction Debris:** Contractor will not be allowed to utilize existing dumpsters. All construction debris must be placed in a contractor-controlled dumpster at the end of every shift. Debris will not be allowed to accumulate on site. Coordinate location of dumpster with the project manager.
- E. **Restrooms:** Restrooms will not be available for Contractor use. Contractor shall provide temporary on-site provisions for construction personnel use for the duration of construction.
- F. **Road Closures:** Contractor shall be responsible to coordinate any road closures with the appropriate entities. A minimum of seven (7) days advance notice prior to the shutdown is required.
- G. **Construction Permit(s):** Contractor will be responsible for procuring construction permit(s), including permit fees, as applicable, prior to start of construction.
- H. **Inspections:** Contractor will be responsible for coordinating substantial completion and final completion inspections with the appropriate entities. A minimum of five (5) days advance notice prior to the inspection is required.
- I. **Weekly Coordination Meetings:** Contractor is required to report weekly construction coordination information with TCC. A weekly progress call or email to the project manager stating current project conditions is an acceptable format.
- J. **Protection:** Contractor is responsible for protecting and maintaining existing roads, concrete, asphalt, curbs, landscaping, etc. throughout construction.

- K. **Safety Considerations:** Contractor shall limit dust, excessive noise, and provide traffic controls as needed to provide a safe work environment. Contractor shall follow all applicable OSHA requirements for this project.
- L. **Warranty:** Contractor will be required to provide a one (1) year workmanship warranty. The warranty is to commence upon substantial acceptance of the work by TCC.

V. Alaska Native or American Indian (AN/AI) Requirements

TCC endeavors for its projects to contribute to the growth and development of Alaska Native community we serve. Therefore, providing employment to AN/AI individuals during the project is required.

The prime contractor and its subcontractor firms are required to employ AN/AI workers in sufficient numbers to equal, at minimum, 25% of the project's total workload hours. Project's total workload is defined as the sum of prime contractor and subcontractor hours reported between mobilization and substantial completion.

It is at the contractor's sole discretion the extent of AN/AI employment required of its subcontractors as long as a minimum 25% of the project's total work load hours can be reported to AN/AI. However, TCC encourages local labor be sought first to meet AN/AI requirement.

Contractor is required to provide written notice in the event AN/AI requirements cannot be met, local labor shortages exist, or other AN/AI issues arise.

VI. Bid Submission Requirements

Bidders shall complete the attached Bid Form (Appendix A) signed by an agent authorized to commit the company. Each Bid shall provide the Bid Amount in figures and in words. Provide a qualifications summary sheet with the bid form to include years of experience and three similar completed projects including the name, scope of work and construction cost. Each bidder shall submit their bid in email with the subject line:

"BID – UNDS Septic System Replacement Solicitation".

Each Bid shall include specific acknowledgment of receipt of all addenda issued during the bidding period. Failure to do so may result in the Bid being rejected as not responsive.

Bidders claiming Native Preference must also submit documentation verifying that they meet the ownership requirements described in Section VII at the time of bid submission. Failure to provide the required verification may result in the bidder being deemed ineligible for the preference.

Delivery Instructions: Email bids to Daren.Schlotfeldt@tananachiefs.org and Timothy.Troppmann@tananachiefs.org no later than the bid submission deadline stated on page 1 of this solicitation.

VII. Bid Evaluation

The Bid Form will be used to evaluate each bidder. TCC will evaluate bids and select the lowest qualified bidder subject to TCC's Native Preference Policy described below. Lowest qualified bidder is defined as lowest price bid submitted and supported with verifiable evidence they meet minimum contractor requirements.

TCC reserves the right to not award any bids, award only certain portion(s) of the scope, or award the full scope of work. The project will be awarded to one Contractor.

Native Preference:

Native preference will be applied to a bidder's total bid price for evaluation purposes only, in accordance with TCC policy and TCC Resolution 2026-25, as amended, as follows:

(a) In-Region Native Preference. A contractor qualifying for the in-region Native preference will receive a ten percent (10%) reduction in its total bid price for evaluation purposes only. To qualify for this preference, the bidder must be majority-owned (more than 50% ownership interest) by one or more TCC-region tribal members or by a TCC-region village corporation. The qualifying ownership interest must exceed 50% at the time the bid is submitted.

(b) Alaska Native Preference. A contractor qualifying for the Alaska Native preference but not qualifying for the in-region preference described in subsection (a), will receive a five percent (5%) reduction in its total bid price for evaluation purposes only. To qualify for this preference, the bidder must be majority-owned (more than 50% ownership interest) by one or more Alaska Native tribal members or by an Alaska Native village corporation. The qualifying ownership interest must exceed 50% at the time the bid is submitted.

VIII. Terms and Conditions

- A. **Waiver of Minor Informalities:** TCC expressly reserves the right to waive minor informalities, negotiate changes or reject any and all proposals and to not award the proposed contract, if in its best interest. "Minor informalities" means matters of form rather than substance which are evident from the submittal or are insignificant matters that have negligible effect on price, quantity, quality, delivery or contractual conditions and can be waived or corrected without prejudice to the other Proposers.
- B. **Bid Preparation:** By submitting a qualifications statement in response to this solicitation, each Bidder acknowledges that TCC shall not be liable to any person, company or representative for any costs incurred in preparation of their bid or any costs incurred in anticipation of TCC action approving or disapproving any proposed agreement.
- C. **Questions:** Only questions answered by formal written addenda to the solicitation will be binding;

oral and other interpretations or clarifications will be without legal effect.

- D. **Bids:** TCC reserves the right to not award any Bids, award only certain segments, or award the full Bid. The Project will be awarded to one Contractor.

IX. Appendices

- APPENDIX A - Bid Form
- APPENDIX B - Drawings & Supporting Documents
- APPENDIX C - TCC Example Construction Short Form Contract

APPENDIX A

Bid Form

BID FORM

PROJECT:

TANANA CHIEFS CONFERENCE

University Davis Building Septic System Replacement

(Bidder)

(Address)

(City, State, Zip)

(Phone)

(Date)

(AK Contractor License No.)

1) Pursuant to your notice to bidders inviting proposals for the construction described in the contract documents, of which this proposal is a part, the undersigned bidder hereby certifies and represents that it has examined and thoroughly understands the contract documents including the following: (If no addenda have been received, state "none").

Addenda No.

Date

2) The undersigned bidder, having made such examinations and reached such understandings:

- (a) Accepts the obligations of a bidder incurred by submitting this proposal, and
- (b) Proposes to furnish insurance certificate or insurance policies, lump sum bid breakdown and to execute the contract as set forth in the TCC Selected Contractor Agreement between the Owner and Contractor.

3) BID

In strict accordance with the contract requirements and existing conditions for the consideration of the following amount(s):

A. BID: Base Bid (Lump Sum)

All work associated with the project work including all materials, equipment and labor as described in the Request for Bids/Construction Documents.

_____ (\$ _____)
Total Cost (Words) Figure

The party by whom this proposal is submitted and by whom the contract will be entered into, if this proposal is accepted is a(n) _____, doing business at:
(Individual, Partnership or Corporation)

The listed address above, to which address notice of acceptance of proposal and all other written notices may be mailed or delivered until further written notice is given by the Tanana Chiefs Conference.

Legal Name of Bidding Organization

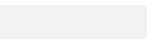
By: _____

Date: _____

Contractor Minimum Requirements

[a] Contractor is required to demonstrate they have a minimum of three years construction experience.
CONTRACTOR INPUT:

[b] Contractor is required to demonstrate they have completed at least three projects of similar size and scope.

CONTRACTOR INPUT: 

[c] Contractor may provide additional information, attachments, resumes, etc. to support qualification to perform scope of work.

CONTRACTOR INPUT:

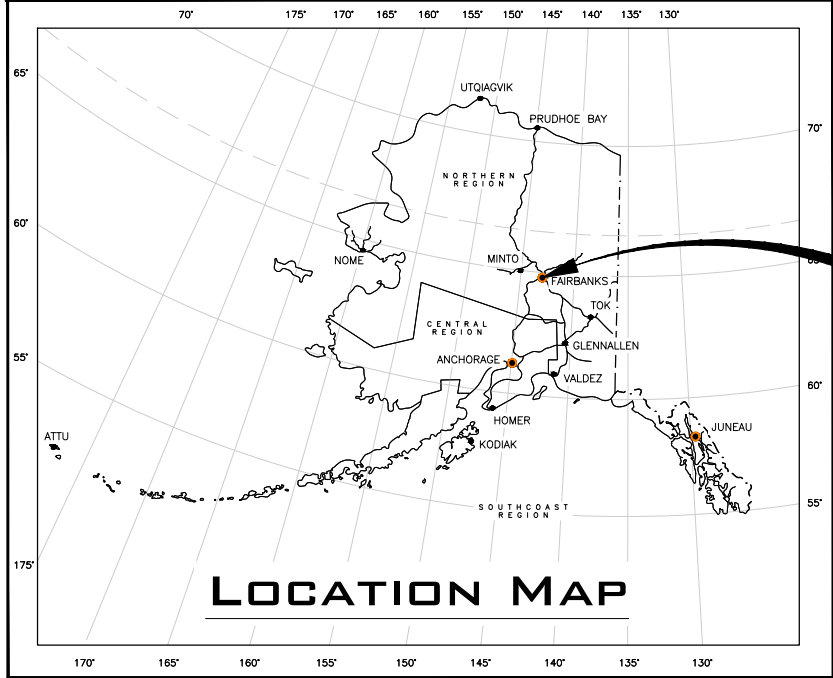
APPENDIX B

Drawings & Supporting Documents

FILE PATH: C:\Users\BeverlyReed\OneDrive - AK Built Construction & Design\AK Built File Hub\Projects\0090.01 TCC University Ave Office Septic Design\ACAD\00090.01-Cover.dwg

PLOT DATE: 6/30/2026

TANANA CHIEFS CONFERENCE SEPTIC SYSTEM REPLACEMENT



PROJECT
LOCATION



VICINITY MAP

PREPARED FOR:
TANANA CHIEFS CONFERENCE
FAIRBANKS, ALASKA 99709

PREPARED BY:

AK BUILT

CONSTRUCTION
& DESIGN

AECL204451
907-854-9115
PO BOX 771203
EAGLE RIVER, AK 99577

Sheet List Table	
Sheet Number	Sheet Title
G1	COVER
C1	SPECIFICATIONS
C2	SPECIFICATIONS
C3	DEMOLITION PLAN
C4	SITE PLAN
C5	SEPTIC SYSTEM
C6	DETAILS

AK BUILT

CONSTRUCTION
& DESIGN

AK BUILT CONSTRUCTION & DESIGN, LLC
PO BOX 771203
EAGLE RIVER, AK 99577
(907)854-9115
CERTIFICATE OF AUTHORIZATION #204451

TANANA CHIEFS
CONFERENCE
SEPTIC SYSTEM
REPLACEMENT
2175 UNIVERSITY AVE
FAIRBANKS, AK 99709
PROJECT NO: 56982
AK BUILT PROJECT NO: 0090.01

TITLE:
COVER

DATE:
6/30/2026

G1 OF G1

SYSTEM DESIGN:

1.

DESIGNED SYSTEM IS FOR T1S R1W FM SEC 17 LOT 25B. FNSB PARCEL ID 702632. STREET ADDRESS 2175 UNIVERSITY AVE, FAIRBANKS, AK 99709.
2.

DESIGNED SYSTEM WILL SERVE AN OFFICE BUILDING.
3.

A TEST HOLE WILL BE EXCAVATED TO COLLECT SOIL, PERCOLATION, AND GROUND WATER DATA FOR THE DESIGNED SYSTEM.
4.

WASTEWATER MINIMUM DAILY FLOWS PER WATER METER RECORDS.
- 4.1.

PEAK WATER USAGE IS IN JUNE AT 30,000 GALLONS. 30 DAYS ARE IN JUNE, THEREFORE WATER USAGE IS ESTIMATED AT 1,000 GPD. DESIGN FLOW WILL INCLUDE A 25% INCREASE FOR UNKNOWN FUTURE TENANT CHANGES.
- 4.2.

TOTAL ONSITE DESIGN FLOW = 1250 GAL/DAY.
5.

TANK CAPACITY (PER ADEC OWSIM SECTION 4.2.1).
- 5.1.

COMMERCIAL DWELLINGS WITH DESIGN FLOWS GREATER THAN 1250 GPD SHALL HAVE A MINIMUM TANK SIZE EQUAL TO 1,125 + (0.75*DESIGN FLOW).
- 5.2.

1125 + (0.75*1250) = 2062.5.
- 5.3.

TANK SHALL BE A 2,500 GAL MINIMUM.
6.

THE MINIMUM EFFECTIVE ABSORPTION AREA OF A DISPOSAL FIELD SHALL BE CALCULATED USING THE MOST CONSERVATIVE WASTEWATER APPLICATION RATE CORRESPONDING TO THE PERCOLATION RATE OR SOIL TEXTURE (USCS) (PER ADEC OWSIM SECTION 4.3.1).
- 6.1.

WASTEWATER APPLICATION RATE = 0.6 GAL/DAY/SqFt. (ASSUMED UNTIL TEST PIT VERIFIES).
- 6.2.

MINIMUM EFFECTIVE ABSORPTION AREA = 1250 GAL/DAY / 0.6 GAL/DAY/SqFt = 2084 SqFt.
7.

DESIGNED SYSTEM SHALL BE A BED SYSTEM.
- 7.1.

BED WIDTH (W) = 24 Ft.
- 7.2.

BED LENGTH (L) = ABSORPTION AREA / W.
- 7.3.

L = 2084 SqFt / 24 Ft = 87 Ft.
- 7.4.

MINIMUM LENGTH REQUIRED OF 24 Ft WIDE BED IS 87 Ft. SIZE BED AT 90 Ft LONG.
- 7.5.

DESIGNED ABSORPTION AREA = 24 Ft x 90 Ft = 2160 SqFt.

MATERIAL SPECIFICATIONS:

1.

THERE ARE TWO SPECIFICATIONS FOR SEWER ROCK, COARSE AND FINE. THE FINE GRADED SEWER ROCK MUST BE USED IN BED, SHALLOW TRENCH, OR MOUND TYPE SYSTEMS. COARSE GRADED SEWER ROCK MAY BE USED FOR ALL OTHER TYPES OF CONVENTIONAL LEACH FIELDS. SEWER ROCK SHOULD BE ROUNDED AND NOT COMPACTABLE TO ALLOW FOR ADEQUATE VOID SPACE. THE USE OF TAILINGS IS NOT ALLOWED, ANGULAR ROCK MUST BE AVOIDED.
2.

SAND LINER MATERIAL SHALL CONFORM TO EITHER STANDARD 1 OR STANDARD 2 PER THE SAND LINER TABLE.
3.

FOR A CONVENTIONAL BED OR SHALLOW TRENCH SYSTEM USING A CUT AND FILL TECHNIQUE, THE MATERIAL USED TO FILL THE EXCAVATION MUST MEET THE SAND LINER REQUIREMENTS OR THE CLASSIFIED FILL CRITERIA.
4.

ALL GEOTECHNICAL FABRIC PRODUCTS SHALL BE TYPAR 3401 OR EQUIVALENT. GEOTECHNICAL FABRIC PRODUCTS SHALL CONFORM TO AASHTO M288 CLASS 3, A MINIMUM PERMITTIVITY (ASTM D4491) OF 0.5 PER SECOND, AND MAXIMUM APPARENT OPENING SIZE (ASTM D4751) OF 0.20 - 0.21 mm (US SIEVE #70).
5.

ALL GEOTECHNICAL INSULATION PRODUCTS SHALL MEET THE CURRENT ASTM C578 TYPE IV STANDARD SPECIFICATIONS FOR "RIGID CELLULAR POLYSTYRENE THERMAL INSULATION" AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 PSI. EXAMPLES OF PRODUCTS THAT MEET THIS STANDARD ARE DUPONT STYROFOAM BRAND SCOREBOARD, OWENS CORNING FOAMULAR 250, AND INSULFOAM TYPE IX.
6.

BUILDING SEWER LINES, DISPOSAL SEWER LINES, LEACH FIELD LINES, CLEANOUTS, AND STANDPIPES SHALL USE SOLVENT WELDED COUPLINGS AND FITTINGS OF THE SAME DESIGNATION AS THE PIPE BEING JOINED. REFER TO APPROVED PIPE MATERIALS TABLE FOR APPROVED MATERIALS.
7.

ALL BUILDING SEWER OR PRIVATE SEWER LINES MUST BE A MINIMUM FOUR-INCH DIAMETER FOR GRAVITY FLOW.
8.

MANUFACTURERS AND TYPES OF BANDED RUBBER COUPLINGS INCLUDE, BUT ARE NOT LIMITED TO, FERNCO BRAND, MISSION BRAND, OR EQUAL.
9.

WHEN A SEPTIC TANK IS USED AS A STEP TANK, THE MINIMUM OPERATING VOLUME MUST BE
- INCREASED BY AT LEAST 250-GALLONS.
10.

MANHOLE RISERS FOR STEP TANKS MUST BE PRE-MANUFACTURED AND COMPATIBLE WITH THE MANHOLES ACCESS AND CONNECT TO THE TANK WITH A BONDED OR MECHANICAL CONNECTION THAT IS WATERTIGHT. THE TOP TWO FEET OF THE MANHOLE RISER MUST BE INSULATED. THE MANHOLE RISER MUST HAVE A LID THAT IS SECURED.

11.

PUMP STATIONS/LIFT STATIONS THAT ARE NOT PRE-MANUFACTURED FOR USE AS A LIFT STATION MUST FIRST BE SUBMITTED TO ADEC FOR APPROVAL THROUGH THE NORMAL PLAN REVIEW PROCESS PRIOR TO CONSTRUCTION.

12.

SEPTIC TANKS SHALL HAVE TWO COMPARTMENTS WITH BAFFLES LOCATED AT THE INLET, COMPARTMENT DIVIDER, AND OUTLET. CLEANOUT PIPES MUST BE AT LEAST FOUR INCHES IN DIAMETER TO ACCOMMODATE A PUMPING HOSE, AND SHOULD EXTEND ABOVE GRADE AND THE TOPS CAPPED. INSTALLATION RECOMMENDATIONS OR REQUIREMENTS OF THE MANUFACTURER MUST BE FOLLOWED.

13.

IF A KITCHEN SINK GARBAGE DISPOSAL IS USED, AN ADDITIONAL 250-GALLON CAPACITY SEPTIC TANK IS RECOMMENDED.

14.

AN INSULATED, WATERTIGHT, FLANGED MANHOLE RISER, AND COVER ARE REQUIRED IN PLACE OF CLEANOUT OR VENT PIPES ON SEPTIC TANKS WITH TANK VOLUMES GREATER THAN 2,000 GALLONS.
- CONSTRUCTION SPECIFICATION:
1.

MINIMUM HORIZONTAL AND VERTICAL SEPARATION DISTANCES SHALL BE MAINTAINED AS REQUIRED BY ADEC REGULATIONS. REFERENCE SEPARATION DISTANCES TABLE FOR MORE INFORMATION. NOTIFY THE ENGINEER OF ANY SITE DISCREPANCIES OR CONFLICTS PRIOR TO START OF CONSTRUCTION OR AS SOON AS DISCOVERY IS MADE.

2.

SOILS WITH PERCOLATION RATES FASTER THAN ONE MINUTE PER INCH REQUIRE A SAND LINER.

3.

A TWO-FOOT THICK SAND LINER MUST BE PLACED BENEATH ALL LEACH FIELDS WHEN THE RECEIVING SOIL IS CLASSIFIED AS GRAVEL (GW OR GP), UNLESS A PERCOLATION TEST VERIFIES THE RATE OF WATER INFILTRATION IS SLOWER THAN ONE MINUTE PER INCH.

4.

A SAND LINER MAY ONLY BE USED WITH A BED OR SHALLOW TRENCH SYSTEM.

5.

COMPACTION OF THE SAND LINER MUST BE AVOIDED.

6.

FILTER FABRIC IS REQUIRED ON TOP OF SEWER ROCK AND CHAMBERS TO PREVENT SOIL BACKFILL FROM MIGRATING INTO THE VOID SPACES.

7.

ONE INCH OF MANUFACTURED INSULATION MAY BE SUBSTITUTED FOR ONE FOOT OF SOIL COVER, UP TO A MAXIMUM OF TWO FEET OF SOIL COVER WITH AT LEAST TWO INCHES OF INSULATION. THE MINIMUM SOIL COVER SHALL NOT BE REDUCED TO LESS THAN TWO FEET.

8.

SPRAY FOAM INSULATION MUST NOT BE USED OVER A LEACH FIELD.

9.

FILTER FABRIC IS STILL REQUIRED WITH INSULATION.

10.

SOLID PIPE WITH NO JOINTS SHALL SPAN FIVE FEET FROM THE INLET AND OUTLET OF SEPTIC TANKS ONTO UNDISTURBED EARTH, OR THE SOIL MAY BE BACKFILLED AND COMPACTED IN SIX-INCH LIFTS BEFORE LAYING THE PIPE.

11.

ALL PIPE JOINTS IN MONITORING TUBES, CLEANOUTS, SOLID LINES, MANIFOLDS, AND DISTRIBUTION PIPING MUST BE CLEANED PRIOR TO GLUING, AND GLUED WITH PROPER CEMENT FOR THAT PIPE TYPE.

12.

MECHANICAL WATERTIGHT COUPLINGS ARE REQUIRED ON THE INLET, OUTLET, AND CLEANOUT OR VENT PIPES ON SEPTIC TANKS. THE USE OF BANDED RUBBER COUPLINGS ARE ONLY ALLOWED FOR CONNECTING THE BUILDING SEWER, THE DISPOSAL SEWER, AND THE CLEANOUT PIPES TO THE SEPTIC TANKS. DO NOT USE BANDED RUBBER COUPLINGS FOR ANY OTHER PURPOSE.

13.

SEWER LINES SHALL BE LAID ON UNDISTRUBED OR COMPACTED SOIL AND MUST BE PROPERLY BEDDED AND COMPACTED TO THE SPRING LINE TO PREVENT DEFLECTIONS AND LOW POINTS IN THE LINE.

14.

IN A MULTIPLE TRENCH OR BED TYPE LEACH FIELD, THE WASTEWATER MUST BE DISTRIBUTED TO EACH LATERAL BY A SOLID PIPE MANIFOLD.

15.

ALL LEACH FIELD PIPING MUST BE LEVEL, INCLUDING MANIFOLD PIPE AND PERFORATED PIPES.

16.

THE SLOPE OF THE BUILDING SEWER PIPE IN THE TEN FEET IMMEDIATELY PRECEDING THE SEPTIC TANK MUST BE BETWEEN ⅛" TO ¼" PER FOOT (NOT TO EXCEED 2% SLOPE). THE SLOPE OR GRADE OF THE SEWER PIPES SHOULD BE AS UNIFORM AS POSSIBLE.

17.

DROP CONNECTIONS SHALL HAVE A MAXIMUM DROP OF TEN VERTICAL FEET. A DROP CONNECTION SHALL BE CONSTRUCTED USING A COMBO FITTING WITH THE SWEEP POINTING DOWNWARD AND A CLEANOUT PIPE TO THE SURFACE. THE BOTTOM OF THE VERTICAL DROP SHALL BE CONSTRUCTED WITH A 90 DEGREE SWEEP.

18.

A FOUNDATION CLEANOUT SHALL BE INSTALLED WITHIN FIVE FEET OF THE OUTSIDE WALL OF THE FOUNDATION.

19.

ADDITIONAL BUILDING SEWER OR PRIVATE SEWER LINE CLEANOUTS SHALL BE INSTALLED AT INTERVALS NOT TO EXCEED 100-FEET IN STRAIGHT RUNS AND FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION OF 45 DEGREES OR MORE PRIOR TO THE SEPTIC TANK OR PRE-TREATMENT TANK.

20.

COMMUNITY SEWER LINES SHALL BE LAID STRAIGHT AND AT A UNIFORM SLOPE. MANHOLES MUST BE INSTALLED AT LOCATIONS WHERE THERE ARE CHANGES IN PIPE SLOPE, SIZE, ALIGNMENT, AND AT INTERSECTIONS. WHERE A COMMUNITY SEWER LINE IS ENTIRELY LOCATED ON A SINGLE PROPERTY OR SERVING A SINGLE FACILITY, AND THE SEWER LINE IS SIX-INCHES IN DIAMETER OR LESS, A CLEANOUT MAY BE INSTALLED INSTEAD OF A MANHOLE.

21.

A STEP TANK REQUIRES A MANHOLE RISER THAT EXTENDS TO THE GROUND SURFACE TO PROVIDE ACCESS TO THE PUMP AND FLOATS FOR MAINTENANCE. THE USE OF A FROST PLUG IS RECOMMENDED.

22.

SEPTIC TANKS OR LIFT STATIONS INSTALLED IN AREAS OF HIGH GROUNDWATER REQUIRE BUOYANCY PROTECTION.

23.

THE BOTTOM OF THE LEACH FIELD EXCAVATION AND THE BOTTOM OF THE SEPTIC TANK EXCAVATION SHALL BE LEVEL BEFORE THE PLACEMENT OF THE TANK OR LEACH FIELD MEDIA. EXCAVATIONS SHALL NOT BE LEFT OPEN.

24.

CONSTRUCTION MACHINERY SHALL NOT BE DRIVEN OVER THE INFILTRATIVE AREA.

25.

IF DURING THE EXCAVATION PROCESS, THE INFILTRATIVE SURFACE BECOMES SMEARED, THE SURFACE SHOULD BE RAKED OR OTHERWISE ROUGHENED, TO REMOVE THE SMEARED SOILS.

26.

FINAL GRADING OVER A WASTEWATER DISPOSAL SYSTEM SHOULD BE SLIGHTLY MOUNDED TO ALLOW FOR SETTLING AND GRADED TO HELP PRECIPITATION TO DRAIN WATER AWAY FROM BOTH THE SEPTIC TANK AND THE ABSORPTION AREA. THE FINAL GRADED AREA MUST BE COVERED WITH TOPSOIL AND SEEDED WITH GRASS.

AK BUILT CONSTRUCTION & DESIGN, LLC
PO BOX 771203
EAGLE RIVER, AK 99577
(907)854-9115
CERTIFICATE OF AUTHORIZATION #204451

TANANA CHIEFS
CONFERENCE
SEPTIC SYSTEM
REPLACEMENT
2175 UNIVERSITY AVE
FAIRBANKS, AK 99709
PROJECT NO: 56982
AK BUILT PROJECT NO: 0090.01

TITLE:
SPECIFICATIONS

DATE:
6/30/2026

C1 OF C6

MINIMUM HORIZONTAL SEPARATION DISTANCES TO DRINKING WATER SYSTEMS							
ALL HORIZONTAL SEPARATION DISTANCES MUST BE MEASURED FROM NEAREST EDGE TO NEAREST EDGE							
	PRIVATE SEWER LINE ^A AND CLEANOUTS, BASEMENT SUMP	SEWER LINE ^B AND CLEANOUTS, MANHOLES, LIFT STATION	SEPTIC TANK, WASTEWATER HOLDING TANK, LIFT STATION, MANHOLES	PIT PRIVY, SOIL ABSORPTION SYSTEM	FUEL TANK ^C AND LINES	DRINKING WATER TREATMENT WASTE DISPOSAL SYSTEM	OTHER SOURCES OF CONTAMINATION ^D
PUBLIC WATER SYSTEM	100'	200'	200'	200'	100'	100'	200'
PRIVATE WATER SYSTEM	25'	100'	100'	100'	25'	25'	100'
WATER LINE	10'	10'	10'	10'	10'	10'	CONTACT DWP
PRIVATE WATER LINE	1'	5'	5'	5'	10'	5'	--
ADDITIONAL SEPARATION DISTANCE REQUIREMENTS MAY APPLY FOR PUBLIC WATER SYSTEMS; 18 AAC 80 MUST BE REFERENCED FOR ALL PUBLIC WATER SYSTEM REQUIREMENTS. A. A DRAIN PIPE BURIED IN THE GROUND BELOW A BUILDING IS REQUIRED TO MEET THE SAME SEPARATION DISTANCE AS A PRIVATE SEWER LINE TO A PUBLIC WATER SYSTEM. B. SEWER LINE INCLUDES SEWER MAIN, COMMUNITY SEWER LINE, AND STORMWATER SEWER LINES. C. THE SEPARATION DISTANCE TO FUEL TANKS APPLIES TO BELOW-GROUND FUEL TANKS AND FUEL LINES, AND TO ABOVE-GROUND TANKS GREATER THAN 500 GALLONS. D. TOHER SOURCES OF CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO, ANIMAL BYPRODUCTS, MANURE, AND AGRICULTURAL WASTE. THE SEPARATION DISTANCE TO LANDFILLS IS COVERED UNDER 18 AAC 60.							
MINIMUM VERTICAL SEPARATION DISTANCES TO DRINKING WATER COMPONENTS							
	PRIVATE SEWER LINE, BUILDING SEWER	COMMUNITY SEWER LINE OR CLEANOUT, SEWER MAIN	SEPTIC TANK, WASTEWATER HOLDING TANK	SOIL ABSORPTION SYSTEM	FUEL TANK** AND LINES	DRINKING WATER TREATMENT WASTE DISPOSAL SYSTEM	OTHER SOURCES OF CONTAMINATION*
WATER LINE	18" RECOMMENDED	18"	CANNOT CROSS	CANNOT CROSS	NO CROSSING RECOMMENDED	10'	CONTACT DWP
PRIVATE WATER LINE	12"	12"	CANNOT CROSS	CANNOT CROSS	NO CROSSING RECOMMENDED	5'	--
WELL CLASSIFICATION AND SELECT ABBREVIATED DEFINITIONS (SEE 18 AAC 80.1990 OR 18 AAC 72.990 FOR COMPLETE DEFINITIONS)							
PUBLIC WATER SYSTEM: A POTABLE WATER SYSTEM SERVING 25 OR MORE PEOPLE AT LEAST 60 DAYS PER YEAR OR A SYSTEM THAT HAS AT LEAST 15 SERVICE CONNECTIONS.							
WATER LINE: IS A PIPE OR CONDUIT USED TO CARRY WATER AS PART OF A PUBLIC WATER SYSTEM BUT DOES NOT INCLUDE A WATER SERVICE LINE OR PRIVATE WATER LINE.							
PRIVATE WATER SYSTEM: A POTABLE WATER SYSTEM THAT IS NOT A PUBLIC WATER SYSTEM.							
PRIVATE WATER LINE: IS A LINE, PIPE, OR CONDUIT USED TO CARRY WATER AS PART OF A PRIVATE WATER SYSTEM. THE DEPARTMENT INTERPRETS REGULATIONS TO NOT INCLUDE A WATER SERVICE LINE THAT IS CONNECTED TO A PUBLIC WATER SYSTEM IN THE DEFINITION OF PRIVATE WATER LINE.							

MINIMUM HORIZONTAL SEPARATION DISTANCES FROM SEWER COMPONENTS					
	RIVER, LAKE, STREAM, SPRING, SLOUGH ^C	SLOPES > 25%	SOIL ABSORPTION SYSTEM	LOT LINE ^A	FOUNDATION ^A
SEPTIC TANK, HOLDING TANK, LIFT STATION	100'	NEED TO BE STABLE	5'	10'	10'
SOIL ABSORPTION SYSTEM	100'	50 ^D	SEE B. BELOW	10'	10'
PIT PRIVY	100'	50' RECOMMENDED	SEE B. BELOW	10'	10'
A. RECOMMENDED MINIMUM HORIZONTAL SEPARATION DISTANCE. ALL PARTS, INCLUDING GROUND COVER FOR FREEZE PROTECTION MUST BE WHOLLY LOCATED ON THE PROPERTY WITH THE FACILITY BEING SERVED. LOCATING A SEPTIC TANK OR SOIL ABSORPTION SYSTEM TOO CLOSE TO A BUILDING FOUNDATION MAY HAVE NEGATIVE IMPACTS. THE SEPTIC TANK CLEANOUTS OR MANHOLE RISER MUST BE ACCESSIBLE FOR MAINTENANCE PURPOSES. B. SIX FEET OR 2 TIMES THE DISTRIBUTION MEDIA DEPTH, WHICHEVER IS GREATER. C. SETBACKS IS FROM THE MEAN ANNUAL HIGH WATER LEVEL OR SURFACE WATER OR THE MEAN HIGHER HIGH WATER LEVEL OF TIDALLY INFLUENCED WATER. D. SEPARATION DISTANCE APPLIES TO THE DOWNHILL SLOPE; DOES NOT APPLY TO MOUND TYPE SOIL ABSORPTION SYSTEMS.					
MINIMUM VERTICAL SEPARATION DISTANCES FROM SEWER COMPONENTS					
	SEASONAL HIGH WATER TABLE		IMPERMEABLE SOIL, PERMAFROST, BEDROCK		
SEPTIC TANK, WASTEWATER HOLDING TANK	NEED BUOYANCY PROTECTION		--		
SUBSURFACE SOIL ABSORPTION SYSTEM	4'		6'		
PIT PRIVY	4'		--		

SEWER LINES APPROVED PIPE MATERIALS					
PIPE TYPE	ASTM DESIGNATION	BUILDING SEWER	DISPOSAL SEWER	LEACH FIELD PIPE	CLEANOUT AND MONITOR
SCHEDULE 40 ABS	F628	YES	YES	NO	YES
SCHEDULE 40 PVC	D1785	NO	YES	YES	YES
SCHEDULE 40 PVC	D2665	NO	YES	YES	YES
SDR 35	D3034	NO	YES	YES	YES

COARSE GRADE SEWER ROCK CRITERIA	
SIEVE SIZE	% PASSING BY WEIGHT
3"	100
2"	0 - 100
1 ½"	0 - 71
1"	0 - 30
¾"	0 - 10
½"	0 - 5
No. 200	0 - 1

FINE GRADE SEWER ROCK CRITERIA	
SIEVE SIZE	% PASSING BY WEIGHT
2"	100
1 ½"	90 - 100
1"	0 - 100
¾"	0 - 10
½"	0 - 5
No. 200	0 - 1

CLASSIFIED FILL CRITERIA	
SIEVE SIZE	% PASSING BY WEIGHT
3"	100
1 ½"	85 - 100
¾"	55 - 100
No. 4	45 - 100
No. 10	12 - 60
No. 40	4 - 30
No. 200	< 10

CRUSHED AGGREGATE	
SIEVE SIZE	% PASSING BY WEIGHT
1 ½"	
1"	100
¾"	70-100
⅝"	50-80
No. 4	35-65
No. 8	20-50
No. 50	6-30
No. 200	6

SAND LINER STANDARD 1 - SPECIFIC SIEVE CRITERIA	
SIEVE SIZE	% PASSING BY WEIGHT
No. 10	85 - 100
No. 20	60 - 90
No. 40	25 - 50
No. 60	≤ 15
No. 200	≤ 5
*THE SAND MAY NOT HAVE MORE THAN 45% (OF THE TOTAL) PASSING ANY ONE SIEVE AND RETAINED ON THE NEXT CONSECUTIVE SIEVE OF THOSE SHOWN ABOVE.	
SAND LINER STANDARD 2 - Cc AND Cu CRITERIA	
PROPERTY	CRITERIA
COEFFICIENT OF UNIFORMITY (Cu)	< 4
COEFFICIENT OF CURVATURE (Cc)	≤ 1
AMOUNT PASSING No. 10 SIEVE	≥ 85%
AMOUNT PASSING No. 200 SIEVE	≤ 5%
*THE SAND MUST NOT HAVE MORE THAN 45% OF THE TOTAL PASSING ANY ONE SIEVE AND RETAINED ON THE NEXT CONSECUTIVE SIEVE, OF THOSE LISTED IN STANDARD 1.	

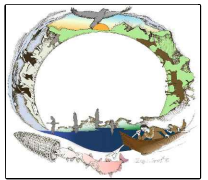
AK BUILT

CONSTRUCTION & DESIGN

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C2 OF C6



SAFETY IS IN YOUR HANDS.
EVERY DIG. EVERY TIME.

LEGEND:

EXISTING	DEMO	
		AC PAVEMENT
		BOLLARD/POST
		BUILDING
		ELECTRIC HEADBOLT
		ELECTRIC PEDESTAL
		GAS LINE
		PCC PAVEMENT
		PROPERTY LINE
		SEWER LINE
		STORM DRAIN
		TRAFFIC SIGN
		WATER LINE
		WATER VALVE

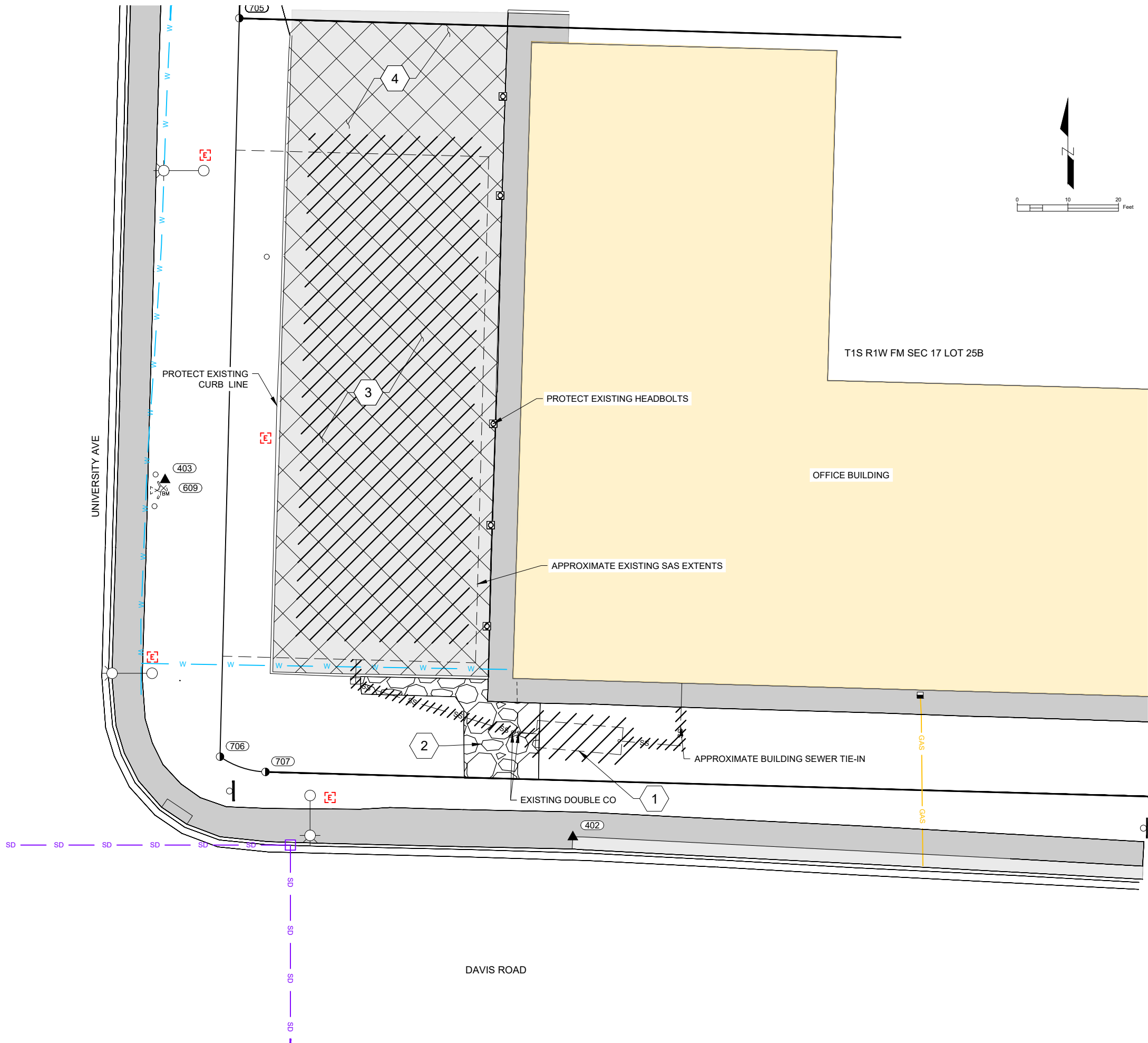
DEMOLITION SCOPE:

1. REMOVE AND DISPOSE OF EXISTING 2,500-GAL SEPTIC TANK.
2. REMOVE AND STOCKPILE LANDSCAPE ROCK FOR REINSTALLATION.
3. WHERE PROPOSED SAS OVERLAPS EXISTING SAS, OVEREXCAVATE A MINIMUM OF TWO FEET (2') BEYOND PROPOSED SAS LIMITS. BACKFILL OVER EXCAVATION WITH CLASSIFIED FILL.
4. REMOVE EXISTING AC PAVEMENT TO PROPERTY LINE.

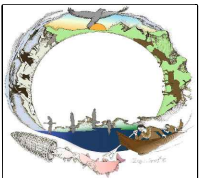
NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO START OF WORK.
2. UTILITIES SHOWN IS A COMBINATION OF GIS DATA AND SURVEY OF VISIBLE SITE FEATURES.
3. 2013 ADEC RECORDS APPROXIMATE EXISTING SAS AS 100' LONG AND 50' WIDE. ANY CONFLICT BETWEEN THE PROPOSED SYSTEM SAS AND EXISTING SAS REQUIRES OVEREXCAVATION OF IN-SITU MATERIALS AND BACKFILL WITH CLASSIFIED FILL.

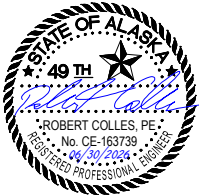
ESTIMATED QUANTITIES		
MATERIAL	UNIT	QUANTITY
AC PAVEMENT	SF	5503
SEPTIC TANK	EA	1
RIP RAP	SF	321
SEWER PIPE	LF	66
EXCAVATION	CY	1105



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DEMOLITION PLAN

DATE:
6/30/2026

LEGEND:

EXISTING	PROPOSED	
		AC PAVEMENT
		BOLLARD/POST
		BUILDING
		ELECTRIC HEADBOLT
		ELECTRIC PEDESTAL
		GAS LINE
		PCC PAVEMENT
		PROPERTY LINE
		SEWER LINE
		STORM DRAIN
		TRAFFIC SIGN
		WATER LINE
		WATER VALVE

SCOPE OF WORK:

1. INSTALL FOUNDATION CLEAN OUT.
2. INSTALL 2,500-GAL SEPTIC TANK.
3. INSTALL DOUBLE CLEAN OUT.
4. INSTALL 24' W X 90' L BED SAS.
5. REINSTALL RIPRAP LANDSCAPE.
6. REPAVE PARKING LOT.
7. TOPSOIL AND SEED REMAINING DISTURBED AREA

ESTIMATED QUANTITIES

MATERIAL	UNIT	QUANTITY
SEPTIC TANK	EA	1
CLEAN OUT	EA	7
MONITOR TUBE	EA	4
FILTER SAND	CY	170
FINE GRADED SEWER ROCK	CY	120
BEDDING	CY	7
CLASSIFIED FILL	CY	800
CRUSHED AGGREGATE	CY	35
HMA PAVEMENT	SF	5503
SEPERATION FABRIC	SF	2160
TOPSOIL AND SEED	SF	2500

HORIZONTAL CONTROL

THIS PROJECT IS IN THE NAD83(2011)(EPOCH 2010.00) ALASKA STATE PLANE ZONE 8 GRID COORDINATE SYSTEM, EXPRESSED IN U.S. SURVEY FEET.

BASIS OF COORDINATES

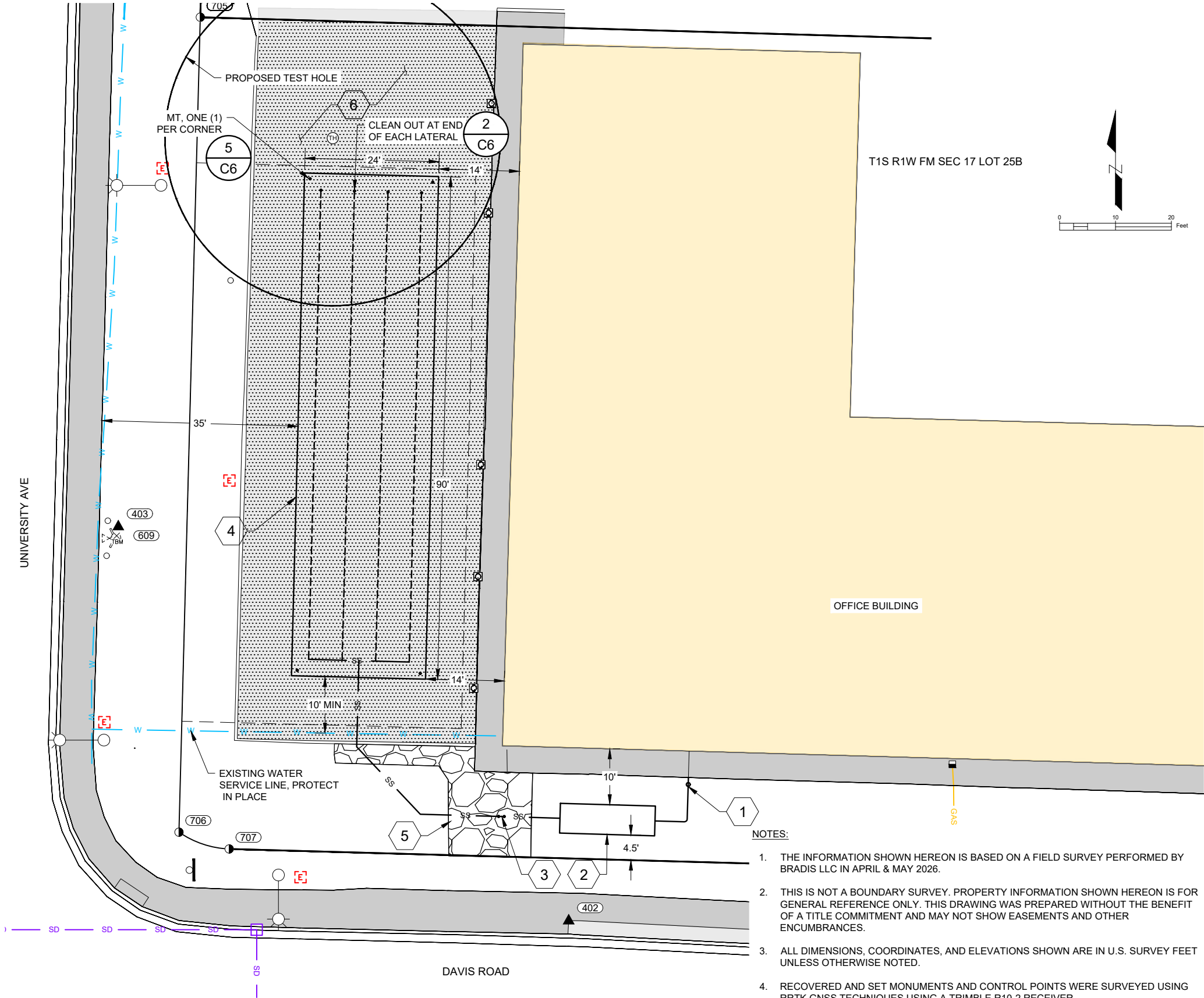
THE BASIS OF COORDINATES IN CITY_HALL_ROOF2, A CONTINUOUSLY OPERATING REFERENCE STATION MAINTAINED BY THE CITY OF FAIRBANKS, HAVING HELD COORDINATES FIXED AT 3,965,091.40N, 1,372,475.35E U.S. SURVEY FEET.

VERTICAL COORDINATES

THE PROJECT VERTICAL DATUM IS NAVD88 GEOID12B HOLDING CITY_HALL_ROOF2 ORTHOMETRIC HEIGHT OF 484.88 U.S. SURVEY FEET.

CONTROL POINTS TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	LATTITUDE	LONGITUDE
401	3961148.83'	1358274.76'	434.30'	SET MAG NAIL	N064°49'40.93"	W147°48'41.95"
402	3960941.78'	1358260.95'	436.22'	SET MAG NAIL	N064°49'38.89"	W147°48'42.14"
403	3961012.32'	1358180.38'	435.61'	SET SPIKE	N064°49'39.56"	W147°48'44.04"
601	3961193.07'	1358197.46'	437.60'	TBM	N064°49'41.34"	W147°48'43.77"
609	3961010.67'	1358180.08'	437.37'	TBM	N064°49'39.54"	W147°48'44.05"

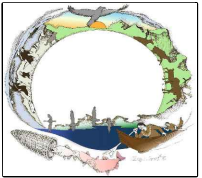


NOTES:

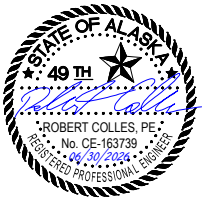
1. THE INFORMATION SHOWN HEREON IS BASED ON A FIELD SURVEY PERFORMED BY BRADIS LLC IN APRIL & MAY 2026.
2. THIS IS NOT A BOUNDARY SURVEY. PROPERTY INFORMATION SHOWN HEREON IS FOR GENERAL REFERENCE ONLY. THIS DRAWING WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND MAY NOT SHOW EASEMENTS AND OTHER ENCUMBRANCES.
3. ALL DIMENSIONS, COORDINATES, AND ELEVATIONS SHOWN ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
4. RECOVERED AND SET MONUMENTS AND CONTROL POINTS WERE SURVEYED USING RRTK GNSS TECHNIQUES USING A TRIMBLE R10-2 RECEIVER.
5. PROPERTY INFORMATION SHOWN HEREIN IS PROVIDED FOR ORIENTATION PURPOSES ONLY AND MAY NOT REFLECT LEGAL PROPERTY LINE LOCATIONS.
6. VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO USE.
7. CONTOURS ARE SHOWN AT 0.5-FOOT INTERVAL.
8. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS, CORNERS, AND/OR ACCESSORIES, WHICH WILL BE DISTURBED OR BURIED, SHALL BE REFERENCED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION (A.S. 19.10.260) AND RECORDED (A.S. 34.65.0440).



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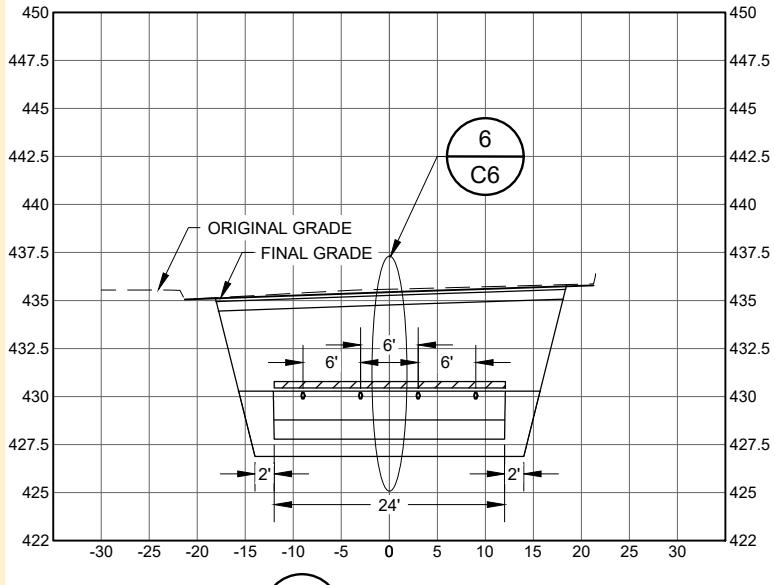
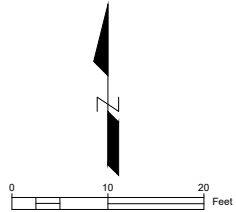
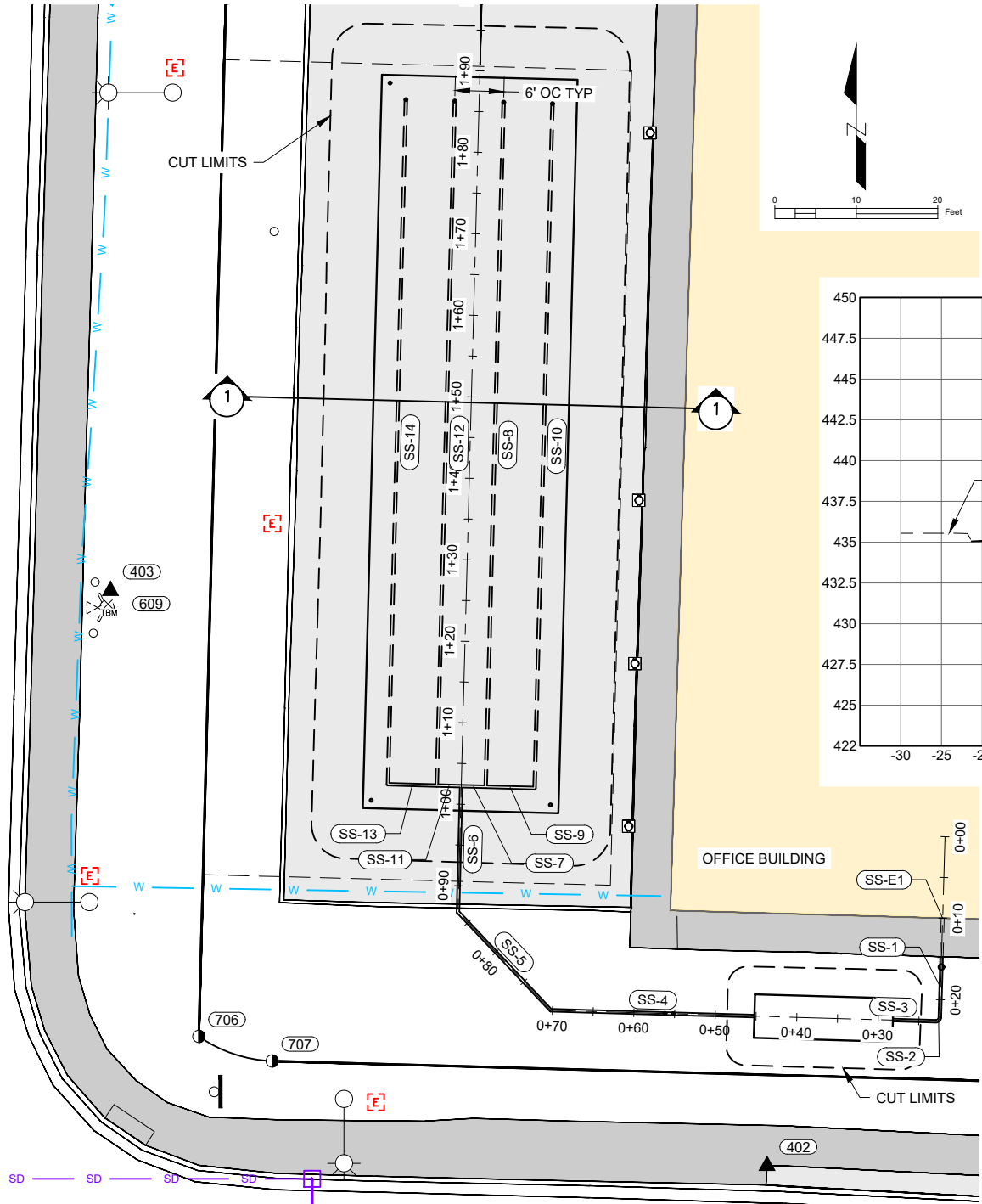
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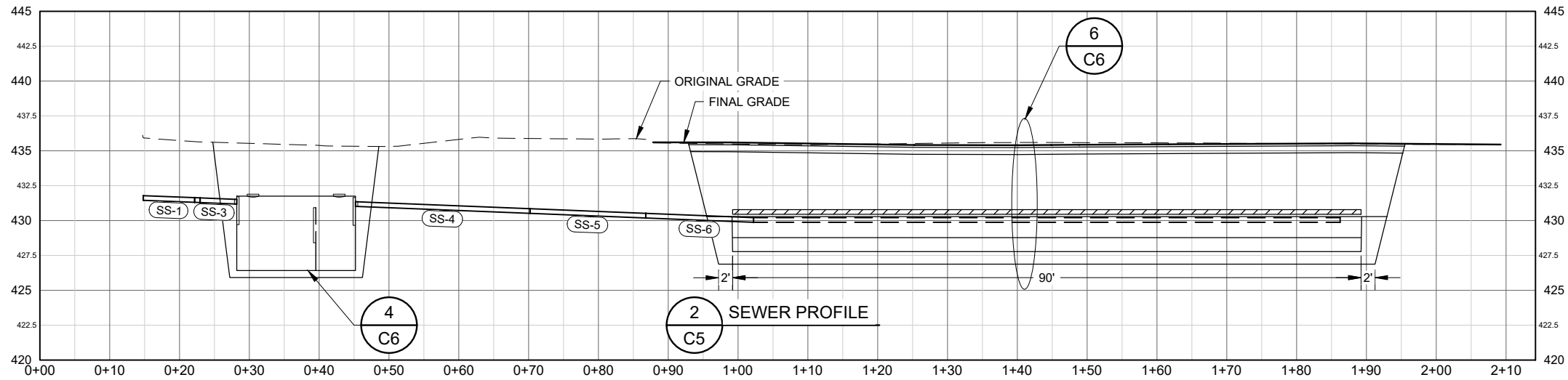
TITLE:
SITE PLAN

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6/30/2026

C4 OF C6



1 SAS SECTION
C5



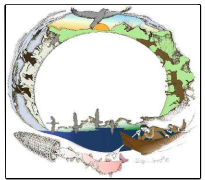
2 SEWER PROFILE
C5

SEWER PIPE TABLE								
NAME	SIZE	LENGTH	SLOPE	MATERIAL	INLET LOCATION	INLET ELEV	OUTLET LOCATION	OUTLET ELEV
SS-E1	4"	4.81'	2.00%	UNKWN	N:3960972.1240 E:1358282.4946	431.55'	N:3960967.3163 E:1358282.3567	431.45'
SS-1	4"	7.36'	2.00%	ABS	N:3960967.3163 E:1358282.3567	431.45'	N:3960959.9624 E:1358282.1459	431.30'
SS-2	4"	0.79'	2.00%	ABS	N:3960959.9624 E:1358282.1459	431.30'	N:3960959.4769 E:1358281.6318	431.29'
SS-3	4"	5.25'	2.00%	ABS	N:3960959.4769 E:1358281.6318	431.29'	N:3960959.6273 E:1358276.3860	431.18'
SS-4	4"	25.00'	2.00%	ABS	N:3960960.1144 E:1358259.3930	431.02'	N:3960960.8308 E:1358234.4032	430.52'
SS-5	4"	16.59'	2.00%	ABS	N:3960960.8308 E:1358234.4032	430.52'	N:3960972.8916 E:1358223.0147	430.19'
SS-6	4"	15.44'	2.00%	ABS	N:3960972.8916 E:1358223.0147	430.19'	N:3960988.3231 E:1358223.4185	429.88'
SS-7	4"	3.00'	0.00%	ABS	N:3960988.3231 E:1358223.4185	429.88'	N:3960988.2446 E:1358226.4185	429.88'
SS-8	4"	84.00'	0.00%	PVC	N:3960988.2446 E:1358226.4185	429.88'	N:3961072.2158 E:1358228.6159	429.88'
SS-9	4"	6.00'	0.00%	ABS	N:3960988.2446 E:1358226.4185	429.88'	N:3960988.0876 E:1358232.4154	429.88'
SS-10	4"	84.00'	0.00%	PVC	N:3960988.0876 E:1358232.4154	429.88'	N:3961072.0589 E:1358234.6128	429.88'
SS-11	4"	3.00'	0.00%	ABS	N:3960988.3231 E:1358223.4185	429.88'	N:3960988.4015 E:1358220.4206	429.88'
SS-12	4"	84.00'	0.00%	PVC	N:3960988.4015 E:1358220.4206	429.88'	N:3961072.3728 E:1358222.6180	429.88'
SS-13	4"	6.00'	0.00%	ABS	N:3960988.4015 E:1358220.4206	429.88'	N:3960988.5585 E:1358214.4216	429.88'
SS-14	4"	84.00'	0.00%	PVC	N:3960988.5585 E:1358214.4216	429.88'	N:3961072.5298 E:1358216.6190	429.88'

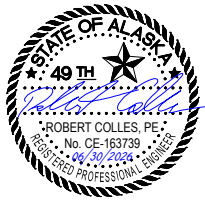
- NOTES:
- ALL FIELD PIPING SHALL BE LAID LEVEL.
 - ALL SEWER PIPING SHALL BE PRE-INSULATED PIPE WITH AT LEAST 4" OF INSULATION DEPTH ALL THE WAY AROUND.
 - PIPE SS-2 IS A LONG SWEEP 90 ELBOW.
 - IT IS ASSUMED THE BUILDING SEWER IS 4"Ø. CONTRACTOR TO VERIFY AND MATCH THE EXISTING BUILDING SEWER SIZE IF LARGER.



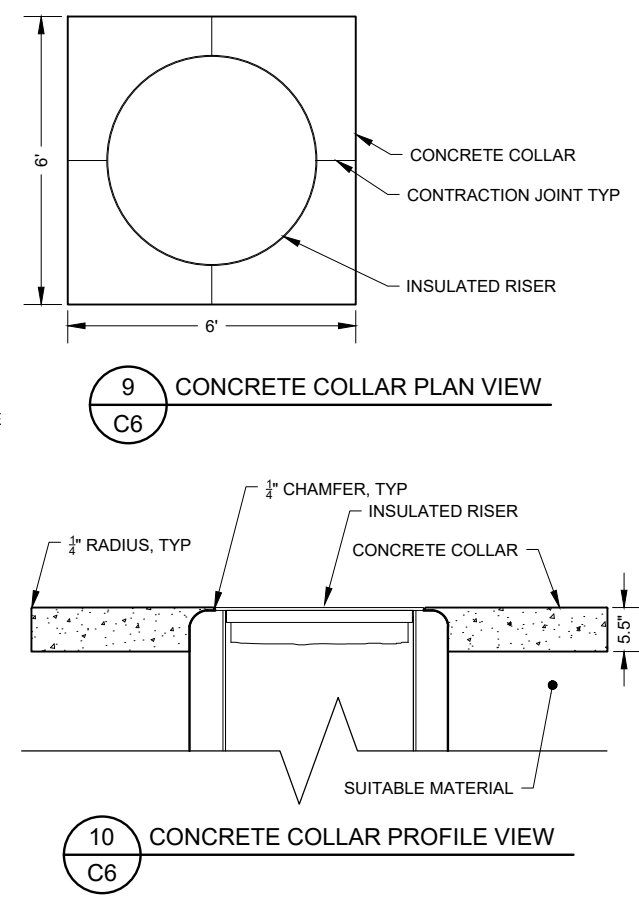
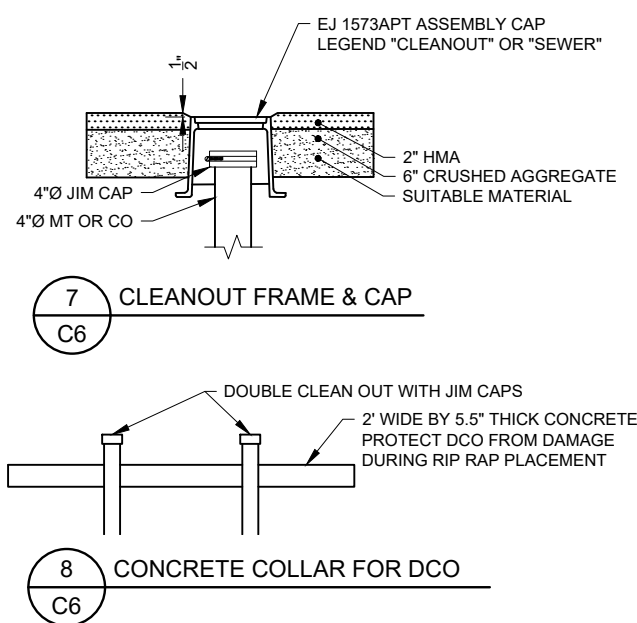
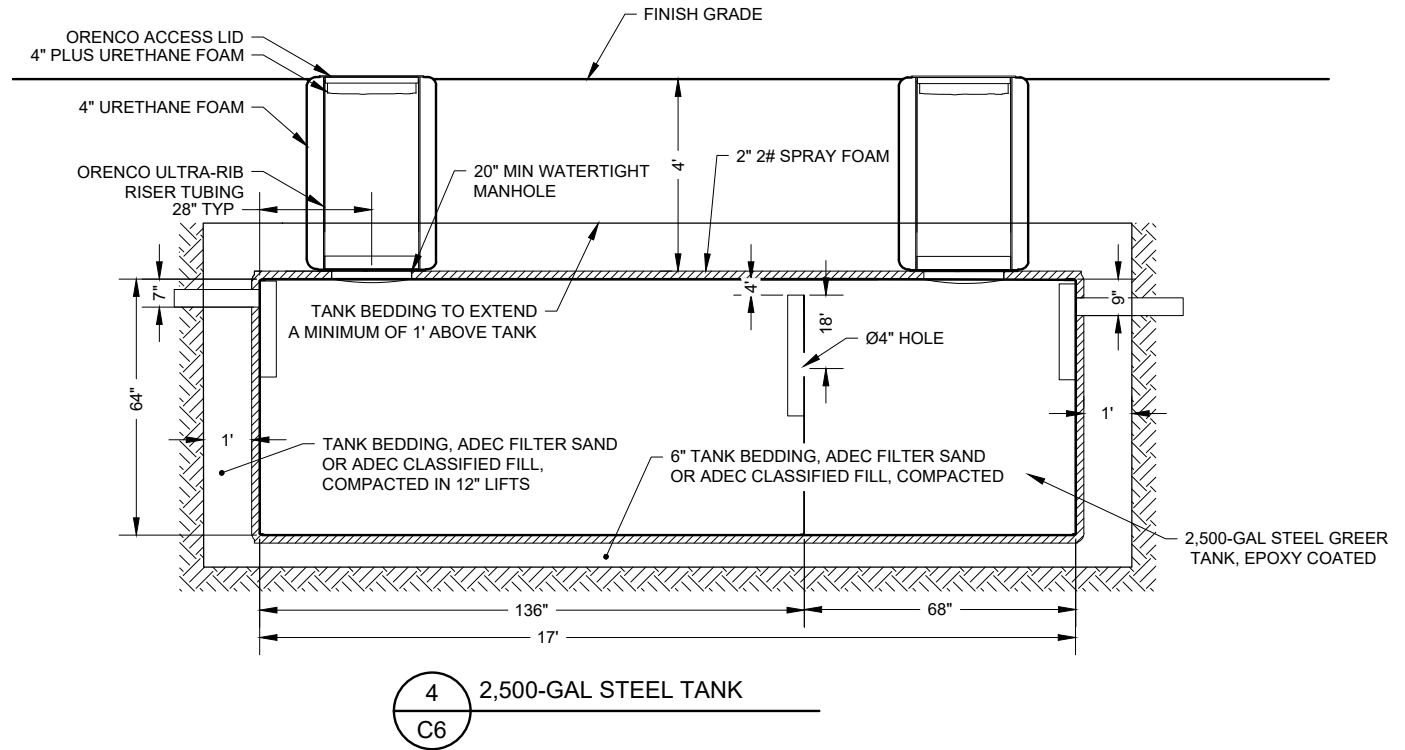
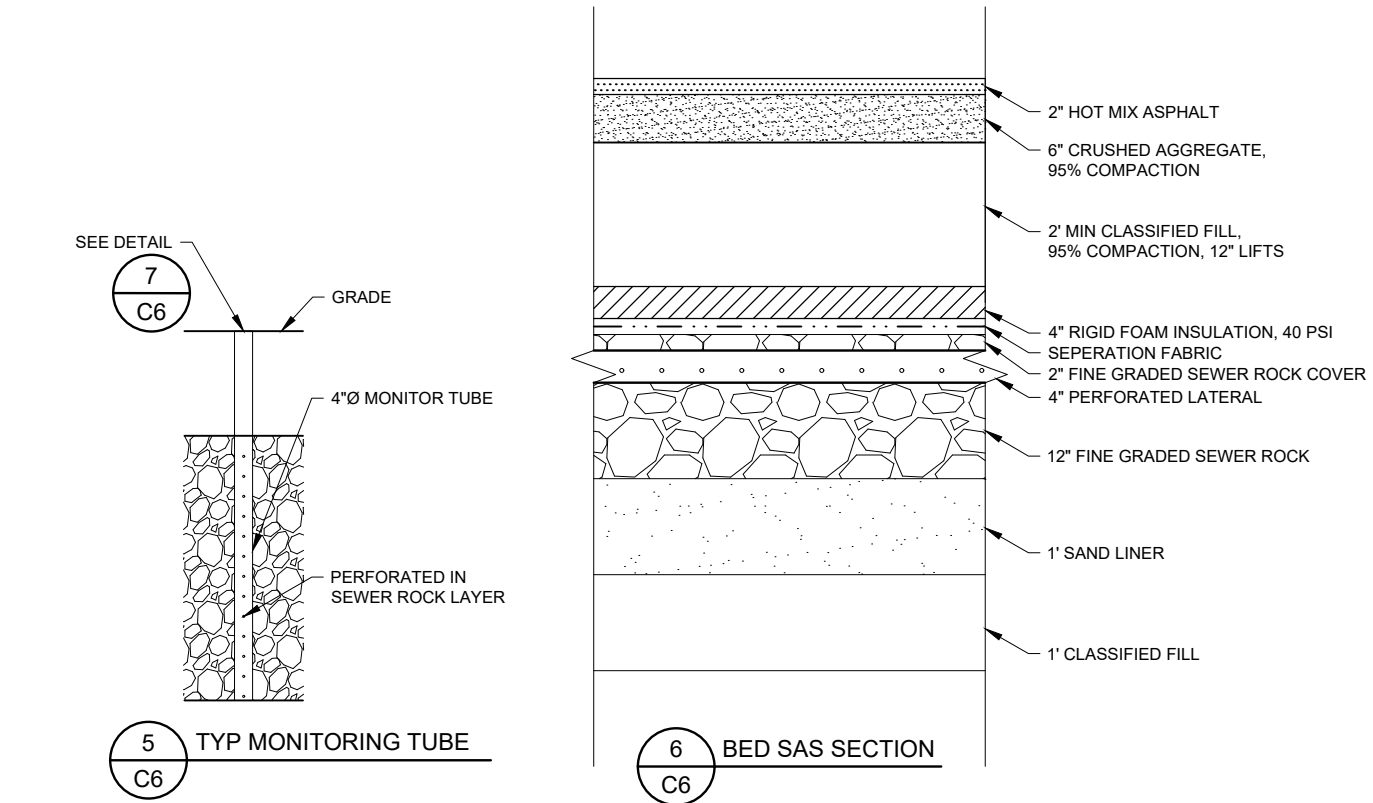
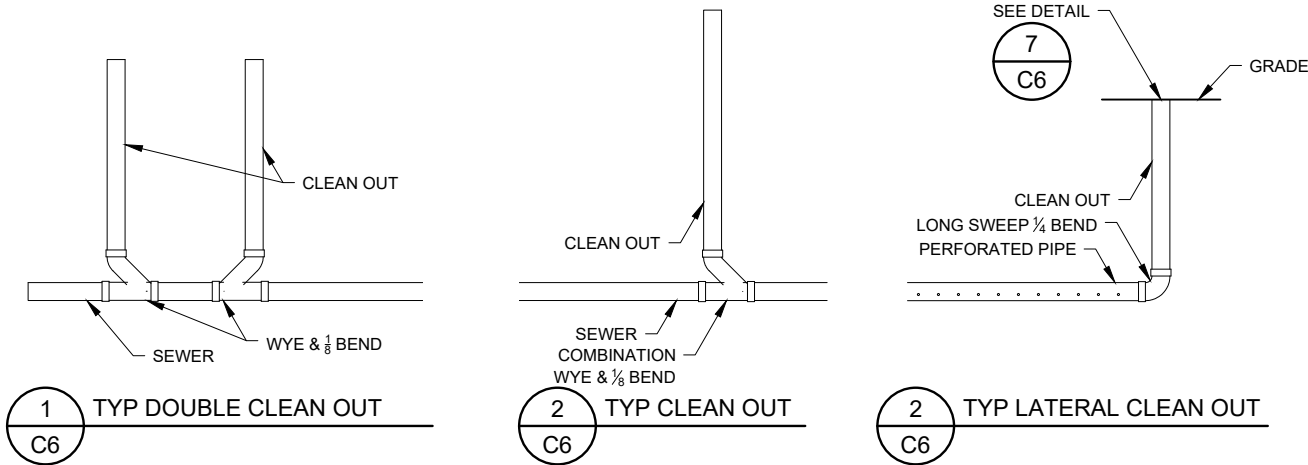
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C6 OF C6