

Request for Proposals
Phase II: PSICC Toilet Replacement Project
**Pike-San Isabel National Forests & Cimarron and Comanche National
Grasslands (PSICC), Colorado**

Background and Statement of Work: In 2021 the US Forest Service began implementing the Great American Outdoors Act (GAOA). A variety of projects proposed by the Pike-San Isabel National Forests & Cimarron and Comanche National Grasslands (PSICC) have been prioritized through the U.S. Department of Agriculture's list of deferred maintenance projects for GAOA funding. GAOA projects will focus on reducing deferred maintenance and improving infrastructure and thereby will improve the conditions and resiliency of our nation's forests for present and future generations. As part of this effort, the National Forest Foundation (NFF) and the PSICC have partnered to replace toilets across the national forests and grasslands.

Information Requested

If interested in submitting a bid for this project, please provide a proposal for the above statement of work by providing:

- technical approach
- work experience
- cost
- capacity for this project
- experience in similar projects

Specific requirements are detailed below.

I. PROJECT OVERVIEW AND REQUIREMENTS

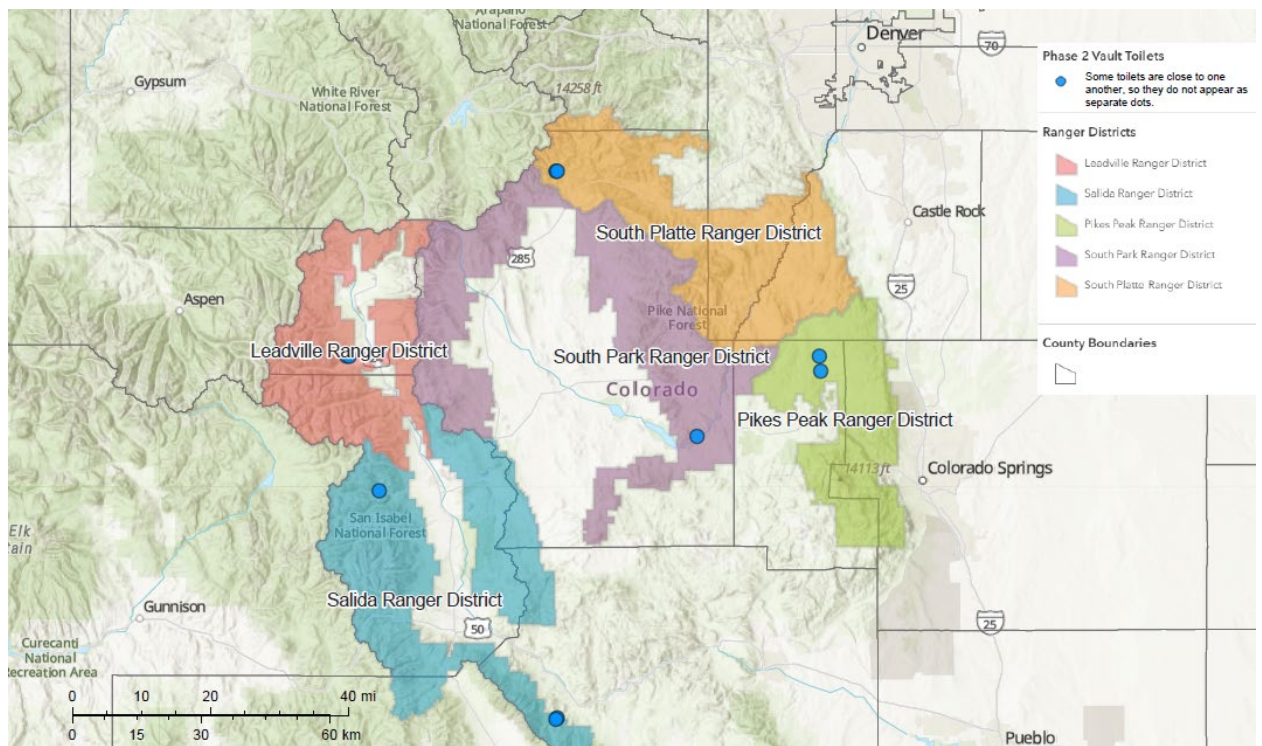
General Specifications

- (a) Description of Work – This Request for Proposals is for the supply, delivery, and installation of up to 10 new restrooms across the PSICC, including the following:
1. Supply new restrooms: Up to 5 double vault toilets and 5 single vault toilets. See note in pricing schedule about base and optional items.
 2. Deliver and install new restrooms

The Contractor shall identify what they can supply in terms of materials, labor, equipment, supplies, supervision, quality control, and incidentals required to complete the work described. The Contractor shall perform all work in a safe and conscientious manner.

- (b) Project Location – This project is located at multiple sites across the PSICC in the following counties: Teller, Park, Lake, Chaffee, and Fremont. There are 10 toilets in total. Please see the map below for an area overview or click on this [online link](#) to zoom in and out of the project area.

Ranger District	Number of Toilets
Leadville	2
Salida	3
Pikes Peak	2
South Park	1
South Platte	2



- (c) Work Schedule – The work is dependent on snowfall. Sites will most likely be inaccessible before May 15, 2025 and after November 1, 2025. Work between Memorial Day and Labor Day can only occur Monday through Thursday due to high public use on the weekends. Bidders should submit an initial project schedule with their proposal. The final delivery/installation dates must be approved by NFF and PSICC staff.

Other Project Requirements and Specifications

- (a) Utilities – In many locations there will be no or limited sanitation, water, electrical or housing services available. The Contractor shall make its own arrangements for temporary facilities if needed.

- (b) Specifications – Project work shall be accomplished in accordance with the following:
 - Project work shall be accomplished in accordance with the following: All work will align with the following attachments:
 - Appendix A—New Toilet Building Requirements
 - Appendix B—Submittal Register
 - Appendix C—Replacement Specifications
 - Appendix D—Vault Toilet Replacement Plans
 - Appendix E—Federal Flowdown Provisions

- (c) Public Works – This is a Public Works Contract that falls under the Construction requirements of the Miller Act.

Insurance Requirements

Upon selection of the winning bid, the Contractor agrees that it has and shall maintain the following insurance coverage indicated below. The effective date of all coverage shall precede the start of any work.

- a. State minimum workers' compensation insurance coverage for its employees, if any.

- b. Broad form general liability, property damage, and automotive liability insurance in the minimum amount of \$1,000,000 for bodily injury, death, or damage to property of any person and \$2,000,000 for bodily injury, death, or damage to property of more than one person. The Contractor shall name NFF an Additional Named Insured and provide NFF with a certificate of insurance evidencing such coverages, prior to the initiation of the Scope of Services.

- c. If the Scope of Services includes professional services as identified herein, Contractor shall also provide professional errors and omissions liability insurance. Professional services for purposes of this section include, but are not limited to performing architecture, engineering, landscape architecture, land surveying or planning, preparation and signing or stamping of drawings, maps, surveys or construction specifications, or design and development of computer software, programs or websites by the Contractor or by subcontractors on behalf of the Contractor, for which professional liability insurance would typically be required. The minimum coverage limits required are \$1,000,000 for each claim and \$1,000,000 annual aggregate.

Prohibited Telecommunications Services and Equipment

If required, the Contractor is responsible for compliance with the prohibition on certain telecommunications and video surveillance services or equipment identified in 2 CFR 200.216.

Payment/Performance Security

Contractor shall post cash, a letter of credit, bond, or other financial security that is easily convertible into cash in a form acceptable to the NFF, in its sole determination, to assure completion of the work required under any subsequent agreement and payment of all amounts lawfully due to all persons supplying or furnishing to the Contractor or Contractor's subcontractors with labor, laborers, materials, rental machinery, tools or equipment used or to perform the work. Contractor may incorporate required associated costs into mobilization costs or other approved expenses.

- a. Work that is classified as construction in accordance with the Miller Act or Little Miller Act or if required per conditions of the funding source, payment and performance bonding will be required in the full amount of any Agreement. For the purposes of this Request for Proposal, construction is defined as "any contract greater than \$100,000 for the construction, alteration, or repair of any public building or public work where the federal government is the owner", or
- b. If Contractor is not self-performing at least 85% of the total contract value or if the cost of materials is in excess of the larger of \$100,000 or 50% of the contract total, payment and performance bonding will be required in the full amount of the agreement, or
- c. If the value of the agreement is in excess of \$250,000, Contractor will be required to post financial security in a form acceptable to the NFF in the amount of 5% of the total agreement value up to \$250,000 in total financial security.

Federal Exclusion Verification

The selected Contractor will be required to affirm that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

Federal Flowdown Provisions

Flowdown Requirements: Any Agreement associated with this RFP may be subject to flowdown requirements under associated federal or state funding agreements, which are included and attached as Appendix E.

II. REQUIRED COMPONENTS

Technical Proposal

Please provide a detailed technical approach to the work.

Contractor Qualifications

- (a) Past Experience – Please provide a brief explanation of previous work experience with land management agencies.
- (b) References – Please provide three professional references that can speak to past performance.

- (c) Project Schedule – Please submit an initial project schedule with the proposal.

Pricing Schedule

Contractor shall price work according to the schedule below. Prevailing wages are required per conditions of funding sources.

The Pricing Schedule is a general listing of Scope of Work items. Our intent is to award the base items and any optional items based on available project funding. All work items will be awarded at the discretion of the NFF, as budgetary obligations allow. Note that NFF typically requires a 2-year warranty in the standard service contract for construction projects.

Building #	Ranger District	Name	Toilet Type	Cost (Lump Sum)
Base Items				
8204	Salida	Coaldale CG (A)	Single	
8205	Salida	Coaldale CG (B)	Single	
8184	Leadville	Lakeview CG (A)	Double	
8187	Leadville	Lakeview CG (B)	Double	
8725	Pikes Peak	Manitou Lake PG	Double Chase	
8727	Pikes Peak	South Meadows CG	Double Chase	
Total Base Bid				
Optional Items				
8206	Salida	Avalanche TH	Double	
8822	South Park	Springer Gulch TH (Upper)	Single	
8943	South Platte	Handcart CG	Single	
8944	South Platte	Hall Valley CG	Single	
Total Optional Bid				

CG = Campground
 PG = Picnic Grounds
 TH = Trailhead

III. SUBMISSION, EVALUATION, AND CONTACTS

Contractor Selection Process

This is a request for proposals only and bids furnished are not offers from the National Forest Foundation. This request does not commit the National Forest Foundation to pay any costs incurred in the preparation or submission of the proposal or to contract for supplies or services.

The NFF will use the Evaluation Factors below to review each submitted bid. Based on the outcomes of that selection process, the NFF will notify successful and unsuccessful bidders by December 16, 2024 and will prepare a separate contract document.

Evaluation Factors and Relative Importance

The following criteria will be used in the evaluation of submitted proposals, ordered from highest weighting (level 3) to lowest weighting (level 1).

Level 3 Criteria

- Price / cost
- Equipment and contractor capability
- Timing of when contractor can begin and/or finish the project
- Past performance, references, and USFS feedback

Level 2 Criteria

- Technical proposal / proposed approach to project
- Overall strategic benefits to meeting NFF goals and grant needs, requirements, and timelines

Level 1 Criteria

- Benefits to the local community
- Relationship to local community

Point of Contact

Please submit any questions about the project in writing to the Point of Contact.

Jennifer Fenwick
National Forest Foundation, Central Colorado Recreation Program Coordinator
jfenwick@nationalforests.org

Responses will be shared with known interested parties by email or otherwise posted at <https://www.nationalforests.org/rfp>.

Bid Submission

Submit bids via email to jfenwick@nationalforests.org by December 2, 2024.

Equal Opportunity Provider

In accordance with Federal law and U.S. Department of Agriculture policy, the National Forest Foundation is prohibited from discriminating on the basis of race, color, national origin, sex, age, religion, political beliefs, or disability.

Appendix A

New Toilet Building Requirements

Item No.	Ranger District	New Bldg ID	Name	Toilet Type	New Bldg. Type (Reference Only)	Gunnision (or approved equal)			Tioga (or approved equal)		District Rank	of Deadbolts	Number of Locks required
						LH	RH	Vent Location	LH Vent Location	RH Vent Location			
1	Salida	8204	Coaldale CG (A)	Single	Gunnision	LH		LH Side Wall			3	1	1
2	Salida	8205	Coaldale CG (B)	Single	Gunnision		RH	Back Wall			4	1	1
3	Leadville	8184	Lakeview CG (A)	Double	Tioga				Back Wall	Side Wall	4	2	2
4	Leadville	8187	Lakeview CG (B)	Double	Tioga				Back Wall	Side Wall	3	2	2
5	Pikes Peak	8725	Manitou Lake PG	Double Chase	Tioga/Chase				Back Wall	Back Wall	1	3	2
6	Pikes Peak	8727	South Meadows CG	Double Chase	Tioga/Chase				Back Wall	Back Wall	4	3	2
7	Salida	8206	Avalanche TH	Double	Tioga				Back Wall	Back Wall	1	2	2
8	South Park	8822	Springer Gulch TH (UPPER)	Single	Gunnision		RH	Back Wall			2	1	1
9	South Platte	8943	Handcart CG	Single	Gunnision		RH	RH Side Wall			4	1	1
10	South Platte	8944	Hall Valley CG	Single	Gunnision	LH		Door			3	1	1
												17	15

*Note: Delivery/Installation contractor shall verify site access needs prior to bidding.

Abbreviations	
CG	Campground
PG	Picnic Grounds
TH	Trailhead

Appendix B

SUBMITTAL REGISTER

Project Title:

PSICC GAOA Vault Toilet Replacement

Contract Number:

Project Location:

Multiple Locations

Contractor:

TO BE COMPLETED BY CONTRACTOR QUALITY CONTROL MANAGER OR PROJECT SUPERINTENDANT

Item Number	Specification Section and Paragraph Number	DESCRIPTION OF ITEM SUBMITTED	CLASSIFICATION		TYPE OF SUBMITTALS										Contractor Action		Government Action		REMARKS
			Government Approval (GA)	For Information Only (FIO)	CERTIFICATIONS	SCHEDULE	SHOP DRAWINGS	SAMPLES	MANUFACTURER'S RECOMMENDATIONS/INSTRUCTIONS	O & M MANUALS, INSTRUCTIONS, AND WARRANTIES	PRODUCT DATA	TEST REPORTS	DESIGN DATA	PLANS	OTHER	Date Quality Control Review Completed	Date Submitted to Government	Date Submittal Returned to Contractor	
1	010150 - 2.2.A	Accident Prevention Plan																	Note, AAP will be accepted or rejected (not approved/disapproved)
2	010150 - 3.5 B	Contractor Quality Control Submittals																	
3	010150 - 3.6	Construction Schedule				X													
4	010150 - 6.2 A	O&M Manual								X									
5	010150 - 6.3 A	Submittal Exchange													X				
6	131200 - 1.4 B	Construction Documents													X				
7	131200 - 1.4 C	Building Installation Manual													X				
8	131200 - 1.6 A	O&M Manual								X									
9	131200 - 1.7 A	Warranty Information													X				

NOTES:

The contractor is ultimately responsible for identifying and providing all submittals required by this contract. Production of this document by the contractor does not relieve the contractor of this responsibility. The Contractor shall review the submittal register for completeness within 5 days of NTP. The Contractor shall notify the CO if any submittals are missing or if additional submittals need to be added to the register. The construction schedule is due 5 days after NTP is issued. For the AAP and COVID plan, those are due prior to NTP being issued. Project record documents are due prior to request for final inspection.

SECTION 010150
GENERAL
REQUIREMENTS

PART 1 – SUMMARY OF WORK

1.1 DESCRIPTION

- A. Work for this project requires the contractor to be responsible for supplying all transportation, labor, materials, equipment, utilities, miscellaneous items, freight and delivery and all necessary valid licenses and permits for the installation of prefabricated reinforced concrete toilet structures.

1.2 LOCATION

- A. This project locations are listed in Attachment_02 of this package.
- B. All sites are accessible by driving to the location.

1.3 GENERAL SITE CONDITIONS AND WEATHER

- A. The elevation of the sites are approximately 3,400 feet to 11,000 feet above mean sea level. The project sites will only be available from September to first snow fall. The construction site experiences snowfall, high winds, hail, and cold temperatures.
- B. The contractor shall be responsible for verifying all existing site conditions, access requirements, and necessary scope of work to accomplish the toilet removals prior to submitting bid proposals.

1.4 USE OF PREMISES

- A. Use of Site: Confine constructions operations to immediate area of work. Do not disturb portions of Project site beyond areas in which the Work is indicated.
- B. Full Government Occupancy: Except as defined in “Work Restrictions” in this section, the government will occupy the site and buildings during entire construction period. Cooperate with Government during construction operations to minimize conflicts and facilitate Government usage. Perform the Work so as not to interfere with Government's day-to-day operations.

1.5 CONTRACTOR’S RESPONSIBILITIES

- A. Ensure all buildings, doors and gates are closed and secured at the end of

each workday.

PART 2 – ACCIDENT PREVENTION

2.1 DESCRIPTION

- A. This section consists of establishing an effective accident prevention plan and providing a safe environment for personnel.

2.2 SUBMITTALS

- A. Accident Prevention Plan: Before on-site work begins, submit a company approved accident prevention plan. This plan will be posted in the contract file. Design the plan to address Federal, State, and Local Occupational Safety and Health requirements that apply to this project. Notice to proceed will not be made until the plan is received. As a minimum the plan shall include:
 - 1. Name, position title and contact information of company executive responsible for approving the Accident Prevention Plan.
 - 2. Name and contact information of supervisor responsible to carry out the plan.
 - 3. Outline of each phase of the work, the hazards associated with each major phase, and the methods proposed to ensure property protection and safety of the public, government personnel, and the Contractor's employees. Identify the work included under each phase by reference to specification section or division numbers.
 - 4. Contingency plans for emergency situations such as medical, fire, hazard material spills and other contract assessed hazard prevention and abatement requirement needs that apply to this project.
- B. Submit a brief report of safety meetings and of inspections within 7 days of the meeting or inspection. Include a list of attendees.

2.3 ACCIDENT REPORTING

- A. Accidents: Report accidents immediately to the CO and COR and assist the CO and other officials as required in the investigation and documentation of the accident.

2.4 FIRST AID FACILITIES

- A. Provide adequate facilities for the number of employees and the type of construction at the site.

2.5 PERSONNEL PROTECTIVE EQUIPMENT

- A. Meet requirements of NIOSH and MSHA, where applicable, as well as ANSI.

2.6 EMERGENCY INSTRUCTIONS

- A. Post telephone numbers and reporting instructions for ambulance, physician, hospital, fire department, and police in conspicuous locations at the work site.

2.7 PROTECTIVE EQUIPMENT

- A. Inspect personal protective equipment daily and maintain in a serviceable condition. Clean, sanitize, and repair, as appropriate, personal items before issuing them to another individual.
- B. Inspect and maintain other protective equipment and devices before use and on a periodic basis to ensure safe operation.

2.8 SAFETY MEETINGS

- A. As a minimum, conduct weekly 15-minute "toolbox" safety meetings. These meetings shall be conducted by a foreman and attended by all construction personnel at the worksite.

2.9 HARD HATS AND PROTECTIVE EQUIPMENT AREAS

- A. Designate and post a hard hat area.
- B. It is the Contractor's responsibility to require all those working on or visiting the site to wear hard hats and other necessary protective equipment at all times. As a minimum, provide two hard hats for use by visitors. Change liners before reissuing hats.

2.10 TRAINING

- A. First Aid: Provide adequate training to ensure prompt and efficient first aid.
- B. Hazardous Material: Train and instruct each employee exposed to hazardous material in safe and approved methods of handling and storage. Hazardous materials are defined as explosive, flammable, poisonous, corrosive, oxidizing, irritating, or otherwise harmful substances that could cause death or injury.

PART 3 – SUBMITTAL PROCEDURES

3.1 DESCRIPTION

- A. This section includes administrative, procedural, and construction schedule requirements for submittals.

3.2 DEFINITIONS

- A. Action Submittals: Written and graphic information that requires Contracting Officer's (CO's) responsive action.
- B. Informational Submittals: Written information that does not require CO's approval.
- C. Contractor shall use Primavera Submittal Exchange, a cloud service, for exchanging submittals or for an approved equal product.

3.3 PROCEDURES

- A. Processing Time: Allow enough time for submittal review, including time for re- submittals, as follows. Time for review shall commence on CO's receipt of submittal.
 - 1. Initial Review: Allow 10 working days for initial review of each submittal. Allow additional time if processing must be delayed permitting coordination with subsequent submittals. CO will advise Contractor when a submittal being processed must be delayed for coordination.
 - 2. If intermediate submittal is necessary, process it in same manner as initial submittal.
 - 3. Allow 10 working days for processing each re-submittal.
 - 4. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing.
- B. Identification: Stamp each submittal with a uniform approval stamp. Place a permanent label or title block on each submittal for identification.
 - 1. Indicate name of firm or entity that prepared each submittal on label or title block.
 - 2. Provide a space approximately 2 by 3 inches on label or beside title block to record Contractor's review and approval markings and action taken by CO.
 - 3. Include the following information on label for processing and recording action taken:
 - a. Project name.
 - b. Date.
 - c. Name and address of Contractor.
 - d. Name of manufacturer.
 - e. Unique identifier, including revision number.
 - f. Number and title of appropriate Specification Section.
 - g. Drawing number and detail references, as appropriate.

- h. Other necessary identification.
- C. Deviations: Highlight, encircle, or otherwise identify deviations from the Contract Documents on submittals.
- D. Additional Copies: Unless additional copies are required for final submittal, and unless CO observes noncompliance with provisions of the Contract Documents, initial submittal may serve as final submittal.
- E. Use for Construction: Use only final submittals with mark indicating action taken by CO in connection with construction.
- F. Review each submittal and check for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to CO.
- G. Approval Stamp: Stamp each submittal with a uniform, approval stamp. Include Project name and location, submittal number, Specification Section title and number, name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.
- H. CO will not review submittals that do not bear Contractor's approval stamp and will return them without action.
- I. Submittals not required by the Contract Documents will not be reviewed and may be discarded.
- J. Submittals may be submitted to the CO using electronic documents and files by email or by any other means designated by the CO.

3.4 ACTION SUBMITTALS

- A. General: Prepare and submit Action Submittals required by individual Specification Sections.
 - 1. Number of Copies: Submit four copies or one electronic pdf copy of each submittal, unless otherwise indicated. CO will return two copies if hard copies are submitted. Mark up and retain one copy as a Project Record Document.
- B. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
 - 1. If information must be specially prepared for submittal because standard printed data are not suitable for use, submit as Shop Drawings, not as Product Data.
 - 2. Mark each copy of each submittal to show which products

- and options are applicable.
3. Include the following information, as applicable:
 - a. Manufacturer's written recommendations.
 - b. Manufacturer's product specifications.
 - c. Manufacturer's installation instructions.
 - d. Manufacturer's catalog cuts.
 - e. Wiring diagrams showing factory-installed wiring.
 - f. Compliance with recognized trade association standards.
 - g. Compliance with recognized testing agency standards.
- C. Requests for Information (RFI's): Immediately on discovery of the need for additional information or interpretation of the Contract Documents, prepare and submit an RFI in electronic form.
1. RFI's submitted by entities other than the Contractor shall not be accepted.
 2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.
 3. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
 - a. Project name.
 - b. Project number.
 - c. Date.
 - d. Name of Contractor.
 - e. Name of Contracting Officer.
 - f. RFI number, numbered sequentially.
 - g. RFI subject.
 - h. Specification Section number and title and related paragraphs, as appropriate.
 - i. Drawing number and detail references, as appropriate.
 - j. Field dimensions and conditions, as appropriate.
 - k. Contractor's suggested resolution. If Contractor's solution(s) impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
 - l. Contractor's signature.
 - m. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
 - 1) Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.

4. CO's Action: CO will review each RFI, determine action required, and respond. Allow seven (7) working days for CO's response for each RFI. RFIs received by CO after 1:00 p.m. will be considered as received the following working day.
 - a. CO's action may include a request for additional information, in which case CO's time for response will date from time of receipt of additional information.
 - b. CO's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Contracting Section "Contract Modification Procedures."
 - 1) If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify CO in writing within 10 days of receipt of the RFI response.
 5. On receipt of CO's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify CO within seven days if Contractor disagrees with response.
 6. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log weekly. Include the following:
 - a. Project name.
 - b. Name and address of Contractor.
 - c. Name and address of Contracting Officer.
 - d. RFI number including RFIs that were dropped and not submitted.
 - e. RFI description.
 - f. Date the RFI was submitted.
 - g. Date CO's response was received.
 - h. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.
 - i. Identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.
- D. Contractor Quality Control Submittals: Provide electronic Quality Control submittals, including design data, certifications, manufacturer's instructions, manufacturer's field reports, and other quality-control submittals as required under other Sections of the Specifications.
1. Certifications: Where other Sections of the Specifications require certification that a product, material or installation complies with specified requirements, submit a notarized certification from the manufacturer certifying compliance with specified requirements.

- a. Signature: Signed by an officer of the manufacturer or other individual authorized to sign documents on behalf of the company.
- 2. Inspection and Test Reports: Requirements for submittal of inspection and test reports from independent testing agencies are specified in Division 01 Section "Quality Requirements."
- E. Contractor Quality Control Plan: Comply with requirements specified in Division 01 Section "Quality Requirements." Provide in electronic format.
- F. Application for Payment: Comply with requirements specified in the Contract Clauses and Division 01 Section "Definition of Items & Measurement and Payment". Provide in electronic format.

3.5 INFORMATIONAL SUBMITTALS

- A. General: Prepare and submit Informational Submittals required by other Specification Sections.
 - 1. Number of Copies: Submit two copies or one electronic pdf of each submittal, unless otherwise indicated. CO will not return copies.
 - 2. Certificates and Certifications: Provide a notarized statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity.
- B. Contractor's Quality Control Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at the site, and submit in electronic format to the CO at weekly intervals:
 - 1. List of subcontractors at the site.
 - 2. Approximate count of personnel at the site.
 - 3. High and low temperatures, general weather conditions.
 - 4. Accidents and unusual events.
 - 5. Meetings and significant decisions.
 - 6. Stoppages, delays, shortages, and losses.
 - 7. Meter readings and similar recordings.
 - 8. Emergency procedures.
 - 9. Orders and requests of governing authorities.
 - 10. Change Orders received, implemented.
 - 11. Services connected, disconnected.
 - 12. Equipment or system tests and startups.
 - 13. Partial Completions, occupancies.

14. Substantial Completions authorized.

- C. Manufacturer's Instructions: Prepare written or published information that documents manufacturer's recommendations, guidelines, and procedures for installing or operating a product or equipment. Include name of product and name, address, and telephone number of manufacturers. Provide in electronic format.

3.6 CONSTRUCTION SCHEDULE

- A. General: This section includes preparation and submittal of Construction Schedules. Submit Construction Schedules.

- 1. Number of Copies: Submit two copies or one electronic pdf of each submittal, unless otherwise indicated. CO will not return copies.

- B. Procedures:

- 1. Within ten calendar days after date of Notice to Proceed, submit a detailed Construction Schedule setting forth requirements for complete execution of the work. Provide schedules in electronic format.

- a. Include a written summary narrative to explain basis of approach to work.

- 2. With each Progress Payment Request, submit an Updated Construction Schedule reflecting work progress to the end of the Progress Payment Request period. On each Updated Construction Schedule indicate:

- a. Actual start dates for work items started during the report period.
 - b. The percent complete on activities that have actual start dates.
 - c. Actual completion dates for work items completed during report period.
 - d. Estimated remaining duration for work items in progress.
 - e. Estimated start dates for work items scheduled to start during month following report period.
 - f. Changes in duration of work items.

- C. Schedule Requirements:

- 1. Schedule contract work and monitor progress using a Critical Path Method (CPM) or similar type scheduling system.
 - 2. Clearly indicate sequence of construction activities, grouped by base and optional items.

- a. For each base and contract awarded optional item show the start and completion of work items, their major components, and interim milestones.
 - b. Identify and show activities for procurement, delivery, and installation of equipment and materials.
 - c. Identify interdependence of procurement and construction activities.
 - d. Identify dates for testing and inspections.
3. Prepare construction Schedule to complete the Work within the contract time requirement.
- D. Reviews: The government will review and return the initial Construction Schedule submittal and subsequent schedules with comments. If revisions are noted or required, make revisions based upon comments and resubmit the Schedule.

PART 4 – TEMPORARY FACILITIES AND CONTROLS

4.1 DESCRIPTION

- A. This section consists of requirements for temporary facilities and controls, including utilities, support facilities, and security and protection facilities.
- B. No camping on site is allowed.

4.2 UTILITIES

- A. Telephone Service: Limited cell service is available on site. The Contractor is responsible for providing telephone service deemed necessary for the duration of the construction.

4.3 CONSTRUCTION WASTE DISPOSAL

- A. Provide waste-collection containers in sizes adequate to handle waste from construction operations. Containerize and clearly label hazardous, dangerous, or unsanitary waste materials separately from other waste.
- B. Cleanup construction debris at the completion of each day's work. Do not use existing on-site trash receptacles for disposal or interim storage of construction debris.
- C. Burning of construction debris is not allowed on lands administered by the Forest Service.
- D. Haul out and dispose construction debris at an established Sanitary Landfill.

4.4 STAGING AND SUPPORT FACILITIES INSTALLATION

- A. Staging: An area at the project site will be made available for use as a staging area. Coordinate size and location of staging area with Contracting Officer and COR prior to storing materials. Security and clean-up of staging and support facilities is the responsibility of the Contractor.
- B. Storage: Confine storage of materials to storage areas. Coordinate on-site storage requirements with the Contracting Officer and COR.

4.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction in ways and by methods that comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- B. Fire Protection:
 - 1. Store combustible materials in containers in fire-safe locations.
 - 2. Maintain unobstructed access to fire extinguishers, stairways, and other access routes for firefighting. Prohibit smoking in hazardous fire-exposure areas.
 - 3. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition.

PART 5 – EXECUTION REQUIREMENTS

5.1 DESCRIPTION

- A. This section consists of general procedural requirements governing execution of the Work including, but not limited to, the following:
 - 1. General installation of products.
 - 2. Progress cleaning.
 - 3. Protection of installed construction.
 - 4. Correction of the Work.

5.2 EXAMINATION

- A. Existing Conditions: Before beginning work, investigate and verify the existence and location of mechanical and electrical systems and other construction affecting the Work.
- B. Acceptance of Conditions: Examine areas, and conditions, with Installer. Record observations.
 - 1. Examine roughing-in for electrical systems to verify

actual locations of connections before equipment and fixture installation.

2. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

5.3 PREPARATION

- A. Field Measurements: Take field measurements as required to fit the Work properly.
- B. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents, submit a request for information to CO. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents.

5.4 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
 1. Make vertical work plumb and make horizontal work level.
- B. Comply with manufacturer's written instructions and recommendations for installing products.
- C. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.
- D. PROGRESS CLEANING
 1. General: Clean Project site and work areas daily, including common areas. Dispose of materials lawfully.
 2. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
 3. Do not hold materials more than 7 days during normal weather or 3 days if the temperature is expected to rise above 80 deg F (27 deg C).
 4. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
- E. Site: Maintain Project site free of waste materials and debris.
- F. Work Areas: Clean areas where work is in progress to the level of

cleanliness necessary for proper execution of the Work.

- G. Waste Disposal: Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.

5.5 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

5.6 CORRECTION OF THE WORK

- A. Repair or remove and replace defective construction. Restore damaged substrates and finishes.
 - 1. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

PART 6 – OPERATIONS AND MAINTENANCE MANUALS

6.1 DESCRIPTION

- A. This Section consists of administrative and procedural requirements for operation and maintenance manuals.

6.2 SUBMITTALS

- A. Submit one manual in final form at least 15 working days before final inspection.
- B. Submit a complete electronic file to Submittal Exchange Program at least 15 working days before final inspection.

6.3 OPERATION AND MAINTENANCE MANUALS

- A. Assemble a complete set of operation and maintenance data indicating the operation and maintenance of each system, subsystem, and piece of equipment not part of a system.
 - 1. Include operation and maintenance data required in individual Specification Sections and as follows:
 - a. Operation Data: Include emergency instructions and procedures, system and equipment descriptions, operating procedures, and sequence of operations.
 - b. Maintenance Data: Include manufacturer's information, list of spare parts, maintenance procedures, maintenance and

service schedules for preventive and routine maintenance, and copies of warranties and bonds.

- B. Content: Include operation and maintenance data required in individual Specification Sections and equipment descriptions, operating standards, operating procedures, operating logs, wiring and control diagrams, and license requirements.
- C. Descriptions: Include the following:
 - 1. Product name and model number.
 - 2. Manufacturer's name.
 - 3. Equipment identification with serial number of each component.
 - 4. Equipment function.
 - 5. Operating characteristics.
 - 6. Complete nomenclature and number of replacement parts.
- D. Source Information: For each product, list name, address, and telephone number of Installer or supplier.
- E. Operating Procedures: Include startup, break-in, and control procedures; stopping and normal shutdown instructions; routine, normal, seasonal, and weekend operating instructions; and required sequences for electric or electronic systems.
- F. Maintenance Procedures: For each system, subsystem, and piece of equipment not part of a system, include manufacturers' maintenance documentation, maintenance procedures, maintenance and service schedules, drawings and diagrams for maintenance, nomenclature of parts and components, and recommended spare parts for each component part or piece of equipment.
- G. Maintenance and Service Schedules: Include service and lubrication requirements, list of required lubricants for equipment, and separate schedules for preventive and routine maintenance and service with standard time allotment.
- H. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.
 - 1. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer.

PART 7 – CLOSEOUT PROCEDURES

7.1 DESCRIPTION

- A. This section consists of administrative and procedural requirements for contract closeout, including, but not limited to, the following:
 - 1. Inspection procedures.
 - 2. Project Record Documents.
 - 3. Final cleaning.

7.2 FINAL COMPLETION

- A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:
 - 1. Instruct Government personnel in operation, adjustment, and maintenance of products, equipment, and systems.
- B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, the CO or COR will either proceed with inspection or notify Contractor of unfulfilled requirements. CO will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.
 - 1. Reinspection: Request reinspection when the Work identified in previous inspections as incomplete is completed or corrected.

7.3 FINAL CLEANING

- A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.
- C. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
 - 1. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of

- rubbish, waste material, litter, and other foreign substances.
2. Remove tools, construction equipment, machinery, and surplus material from Project site.
 3. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
- D. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on Government property. Do not discharge volatile, harmful, or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of lawfully.

END OF SECTION 010150

SECTION 010250
DEFINITION OF ITEMS
AND
MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The intent of this section is to explain, in general; what is and what is not included in each item; the limits or cut-off points where one item ends, and another begins; and method of measurements and basis of payment for work items listed in the Schedule of Items.
- B. Work:
1. Furnishing all transportation, labor, materials, equipment, and other incidentals necessary to successfully complete the project or any portion of it and carrying out all duties and obligations imposed by the contract on the Contractor.
- C. Payment:
1. For each individual item listed here and in the Schedule of Items, payment shall be full compensation for all work related to the particular item in accordance with these specifications, as shown on the drawings, and as staked in the field.
 2. Measurement and payment for contract work shall be made only for and under those pay items included in the Schedule of Items. All other work and materials shall be considered incidental or as included in the payment for items shown.

1.2 DETERMINATION OF QUANTITIES

- A. The contractor shall perform, or cause to be performed, all measurement of quantities of materials incorporated into the work processes that are to be measured under the provisions of the contract.
- B. Quantity Measurements:
1. The Contractor shall make all measurements for computation of quantities for all work items except those specified for payment by Lump Sum Quantity (LSQ).
 2. All Contractor measurements are subject to verification.
 3. The Contractor shall submit all field notes, calculation sheets, and other data used to determine quantities.
 4. The Contractor shall certify in writing as to the accuracy of the measurements and computations submitted.

1.3 DEFINITION OF BID ITEMS

A. Schedule of Items

1. The project Schedule of Items (see Attachment 01) includes multiple sections to organize the bid items into Base Bid Items and Optional Bid Items. When a pay item is described as a Base Bid Item, the description will be the same when that item or a similar item is included as an Optional Bid Item. Contractor shall provide item pricing for all items listed in the Schedule of Items. Contract award will be made for all Base Bid Items. Those items listed as Optional Bid Items will be awarded based on available project funding. The Optional Bid Items are not listed in priority order and may be awarded in any combination of individual items.
2. Item descriptions are listed below. Refer to Attachment 01 Schedule of Items for identification of Base Bid Items and Optional Bid Items

B. Item No. 1

1. Description: Coaldale CG SGL
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

C. Item No. 2

1. Description: Coaldale CG SGL (2)
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

D. Item No. 3

1. Description: Lakeview CG DBL
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

E. Item No. 4

1. Description: Lakeview CG DBL

- a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

- F. Item No. 5
 - 1. Description: Manitou Lake PG DBL Chase
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

- G. Item No. 6
 - 1. Description: South Meadows CG DBL
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

- H. Item No. 7
 - 1. Description: Avalanche TH DBL
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.
 - b. and operations that must be performed or that cause costs to be incurred prior to beginning work.

- I. Item No. 8
 - 1. Description: Springer Gulch TH SGL (Upper)
 - a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work

and operations that must be performed or that cause costs to be incurred prior to beginning work.

J. Item No. 9

1. Description: Handcart CG SGL

- a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

K. Item No. 10

1. Description: Hall Valley CG SGL

- a. Measurement and Payment: Lump Sum Quantity (LSQ): The contract lump sum price as shown in the Schedule of Items includes all preparatory work and operations necessary for the transportation of building to the site, movement of personnel, equipment, supplies, and incidentals to the project site, installation, backfill and final grading, and for all other work and operations that must be performed or that cause costs to be incurred prior to beginning work.

PART 2 - METHOD OF MEASUREMENT

2.1 GENERAL

- A. One of the following methods of measurement for determining final payment is designated on the Schedule of Items for each pay item:

- B. LUMP SUM QUANTITIES (LSQ)

1. These quantities denote one complete unit of work as required by or described in the contract, including necessary materials, equipment, and labor to complete the job. They shall not be measured.

END OF SECTION 010250

SECTION 022220
STRUCTURAL EXCAVATION, BACKFILL AND COMPACTION

PART 1 - GENERAL

1.1 SUMMARY

- A. Includes structure excavation, special fills, backfill, and compaction.

1.2 PROTECTION

- A. Protect excavations from accumulation of water. If clay soil becomes saturated, compact after it has dried as specified herein.
- B. Protect excavations from freezing. If frost action occurs, compact ground after thawing as specified herein.
- C. Provide shoring and bracing as necessary to protect structures employees, and the public.

PART 2 – PRODUCTS

2.1 BACKFILL AND FILLS

- A. Use the excavated material as specified below:
 - 1. Remove rocks over 8 inches in maximum dimension, ice or frozen earth, muck, debris, and earth with high void content.
 - 2. Remove rocks over 4 inches in maximum dimension for backfill placed within 12 inches of foundation.
 - 3. Materials removed in stripping shall not be used for backfill.

2.2 GRAVEL FILLS

- A. Clean pit-run gravel uniformly graded with less than 5% minus #200 material, 2 inches maximum size, free of deleterious materials.

PART 3 – EXECUTION

3.1 EXCAVATION

- A. Perform to the lines, grades, and elevations indicated. Extend excavation a sufficient distance from walls and footings to allow for safety, placing and removal of forms, installation of services, and for inspection. Provide proper depth with allowance made for gravel fills.

1. Foundation walls shall be level, clean, true to size, and clear of loose materials.
2. If excavations for foundations are carried below the specified levels, extend the foundation to the excavated level.

3.2 BACKFILLING

- A. Place and compact fills and backfills adjacent to structures in such a manner as to prevent wedging action or eccentric lodging upon or against the structures.
 1. Remove forms and clean the excavation of trash and debris prior to backfilling.
 2. Do not place backfill against any concrete footings or wall without prior permission of the Contracting Officer (CO) and in no case less than 7 days after completion of the wall or footings.
 3. Place backfill in horizontal layers not more than 12 inches thick with the proper moisture content for the required degree of compaction. Flooding or puddling not allowed. Compact each layer as specified. Backfill layer thickness under concrete flatwork limited to 6 inches maximum.
 4. Heavy equipment for spreading and compacting backfill shall not be operated closer to a wall than a distance equal to the height of the backfill above the top of the footing.
 5. Provide for anticipated settlement and shrinkage of the backfill and for the finished grades required, including topsoil grading.
 6. Prepare subgrades for gravel fill areas level and free from soft spots. Place and compact earthfill where required to raise subgrade. Place gravel to the lines and grades shown. Compact the gravel sub-base as specified until a smooth, uniform use surface is obtained.

3.3 COMPACTION

- A. Compact soils using a vibratory temper, performing 3 passes for each layer of fill material.

END OF SECTION 022220

SECTION 139000
PREFABRICATED SST TOILET AND
VAULT

PART 1 - GENERAL

1.1 SUMMARY

- A. This section applies to the fabrication and installation of prefabricated SST Toilet Building and Vault, including shipment to site, all work necessary to completely fabricate, erect other manufactured accessories needed or specified in this section for a complete SST Toilet Building and Vault.

1.2 LOCATION OF SST TOILETS AND VAULTS

Install the SST Toilet Buildings and Vaults at the locations listed in Attachment_02 New building Requirements and Directions. The exact location will be marked by the COR prior to installation. The COR will mark the front two corners of the building and label the stakes with the new building number.

1.3 DESIGN STANDARDS

- A. Design and construct the SST Toilet Building Interior Toilet Room clear space in accordance with the Uniform Federal Accessibility Standards (UFAS) and the American with Disabilities Act Access Guidelines (ADAAG 4.22).

1. Clear Floor Space:

- a. The accessible fixtures and controls required in accessible toilet rooms shall be on an accessible ancillary/activity route. An unobstructed turning space 60 inches diameter or a T-shaped space shall be provided within an accessible toilet room. The clear floor space at fixture and controls, the accessible ancillary/activity route, and turning space may overlap.

- B. If directions between the standards conflict, follow the procedures in the ADAAG, as ADAAG exceeds UFAS.

1.4 SST TOILET BUILDING DESCRIPTION (Brand Name or Equal) CXT Tioga (Double) and Gunnison (Single) Specifications

- a. Two tone concrete color combination: Roof – Cappuccino Cream. Walls – Cappuccino Cream
- b. Signage: Unisex with Accessible Sign

- c. Wall Vent Locations: to be determined at time of award.
- d. Door Opener: Double Pull / Slide Bolt
- e. Deadbolt Lock: Government Furnished deadbolt lock. Contractor to Install
- f. Lockable Toilet Paper Dispensers
- g. Roof: Simulated Cedar Shake
- h. Building Exterior Wall: Simulated Barnwood
- i. Other Options: Include touch-up paint kit.

1.5 SUBMITTALS

- A. After award of contract and before starting work, the Contractor shall provide written certification that all materials incorporated into the work complies with this section and the SST Toilet Building will meet the design specified in this section.
- B. Submit construction documents including floor plans and elevations, dimensions, identification and location of all parts and accessories.
- C. Submit a CPS (Critical Path Schedule) schedule for building, delivery, and installation.

1.6 DELIVERY AND STORAGE

- A. Prefabricated units, accessories and other manufactured items delivered to the project shall be handled, transported, and erected to prevent damage and/or deformation of materials.
- B. Material stored at the project site shall be protected from weather. The Government shall not assume responsibility for on-site storage of project materials.
- C. The installation of the SST Toilet buildings shall take place no earlier than September 2023 unless approved by the Contracting Officer.
- D. All base bid item buildings shall be in place by December 31, 2023.

PART 2 – PRODUCTS

2.1 EXCAVATION, BEDDING MATERIALS AND BACKFILL

- A. See Specification 022220 for excavation, bedding and backfill materials, and preparation for the vault and floor slab.

2.2 CONCRETE WORK

- A. Concrete:
 - 1. Concrete shall be composed of Portland cement, fine aggregate, coarse

aggregate, air entraining agent, coloring, and water mixed in proportions to produce concrete which will have a minimum compressive 28-day strength of 5,000 P.S.I.

2. Type: ASTM C150 Type I/II, use one brand of cement throughout project.
- B. Water: Potable.
- C. Admixtures: Air entraining agents may be added provided they meet ASTM C260. Water reducing agents may be used provided they meet ASTM Specification C494, Type
- A. The use of other admit mixtures are subject to approval.
- D. Concrete Color:
1. Concrete shall be integrally colored throughout the concrete mixtures.
 2. The following components of a pre-cast building shall be cast with colored concrete when so specified.
 - a. Building walls.
 - b. The roof.
 - c. Screen panels.
 3. Specific Toilet Characteristics
 - a. Two tone concrete color combination: Roof – Cappuccino Cream
Walls – Cappuccino Cream
- E. Form Materials: Forms: all concrete forms shall be fabricated from steel reinforced members and flat sheets or steel plates.
- F. Form Coatings:
1. All form coatings shall be non-staining type that will not leave residual matter on the surface of the concrete or adversely affect proper bonding or subsequent coatings applied to the concrete surfaces. Coating containing mineral oils or other non-drying ingredients will not be permitted.
- G. Reinforcing:
1. Reinforcing Bars: ASTM A615, grade 40.
 2. Welded Wire Mesh: ASTM A185, welded steel wire fabric.
 3. All reinforcement shall be new, free from dirt, oil, paint, grease, loose mill scale, and loose or thick rust when placed.
- H. Epoxy Concrete Adhesive: A two component rigid non-sag gel adhesive for bonding to dry or damp surfaces, moisture insensitive, concrete epoxy adhesive shall be used. Gray or other colors may be approved by the CO.

2.3 STEEL WINDOWS AND VENT FRAMES

A. Steel Window and Vent Frames:

1. Window and vent frames shall be a minimum of 18-gauge hollow metal.
2. Frames for windows and louvered vent assemblies shall be single units suitable for installation in precast concrete walls.
3. Use anchor type required to provide a positive fastening to precast concrete.
4. Heads of the anchor bolts or screws shall be hidden behind the louvers or the glazing strips on the windows.

B. Window Glazing: The glazing shall be Lexan Polycarbonate, translucent, matt finish (or clear sandblasted both sides) panels which are 3/16 inch thick.

C. Louvered Vents:

1. The louvered room vents shall be a non-vision louver with 18-gauge steel blades and shall have insect screens.
2. The louvered vent shall have a minimum of 120 square inches of net-free area for air movement.
3. Louvered vents shall be placed in both side walls.

2.4 METAL DOOR AND DOOR FRAMES

A. Metal Door and Door Frames:

1. The steel door frames shall be knocked down or welded tight, single rabbit minimum 16-gauge steel, 1 3/4 inches wide.
2. The frames shall be suitable for installation in door openings in a precast concrete panel.
3. Each door frame shall provide three anchors per jam located approximately at the same elevation as the hinge location.
4. Each anchor shall be designed to provide positive fastening to the precast concrete.
5. The steel door frame shall be designed with rubber door silencers on the door frame.
6. There shall be a minimum of 3 rubber door silencers on the latch side of the frame.

2.5 DOOR HARDWARE

A. Door Hinges:

1. Each door shall be mounted with three wrought steel 4-1/2" x 4-1/2" spring hinges.
2. Hinges shall have an adjustable tension spring in them and adjusted to

- a 5 lb. minimum pull.
 3. They shall be a U.S. 26D finish (Dull Chrome).
- B. Deadbolt: Mortised type, operated by key from outside only, standard model double cylinder. Finish shall be U.S. 26D (Dull Chrome). Government Furnished. Contractor to install
- C. Privacy Doorknob Lock:
 1. Lockset shall meet ANSI A156.2 Series 4000, Grade 1 cylindrical lockset for exterior doors.
 2. Finish shall be U.S. 26D (Dull Chrome).
- D. Door Bumpers:
 1. The door bumpers shall be a cast metal base with U.S. 26D finish (Dull Chrome).
 2. They shall have convex grey rubber bumpers 2-3/8-inch diameter and extend approximately 1 inch.
 3. The bumpers shall be suitable for installation on exterior steel doors and capable of installation with threaded concrete anchors.

2.6 TOILET RISER

- A. The 18-inch toilet riser shall be a cross-linked polyethylene with heavy duty seat and cover assembly, designed to fit into a hole in the floor slab.
- B. The color shall be off-white.

2.7 SIGNS

- A. Toilet Building Signs:
 1. The toilet building signs shall use standard recreation symbols with white symbols on a brown background.
 - a. Unisex with Accessible Sign
 2. They shall be nonreflective faces 8" x 8" with round corners.
 3. The signs shall be aluminum minimum .063-inch thickness or steel minimum 20 gauge.

2.8 WATERPROOFING AND SEALING - VAULT

- A. General: Perform all work necessary and required to waterproof the exterior foundation walls below finish grade and to seal the interior floor, ceiling, and walls of the concrete vault.
- B. Environmental Conditions: Waterproofing and sealing shall not be applied

when the temperature is below 40 degrees and falling or when the vault is wet or there is any standing water in the vault.

- C. Vault shall have a ridge internal liner securely fastened to the walls.

2.9 VENT STACK

- A. Pipe:

- 1. The diameter of the vent pipe shall be a minimum of 12" I.D. with animal and bird screens to the top.

2.10 PUMPOUT ACCESS MANHOLE

- A. Manhole covers shall be ¼ inch thickness diamond plate steel.
- B. The rings and covers are to be watertight, and the cover is to be configured so it can be locked with a padlock.
- C. Access shall have a minimum of 300 square inches.

2.11 CAULKING AND SEALANTS

- A. Completely seal with caulking compound all joints around frames and sills of doors, windows, flashing, and other openings in exterior walls.
- B. Caulking compound shall be paintable silicone caulking or an approved equal.

2.12 PAINTING

- A. Description: Perform all work necessary or required to paint or stain the entire building, except the roof and exposed exterior foundation walls, as required in this specification.
- B. Environmental:
 - 1. Surfaces shall be painted or stained only when they are free from moisture.
 - 2. No painting or staining shall be done when temperature is below 50 degrees F., except when specifically directed otherwise in writing by the CO.
- C. Products:
 - 1. Exterior:
 - a. Ferrous Metal (except metal siding): Soft gloss, alkyd modified, acrylic house paint. Prime with alkyd base primer formulated to protect against rust and corrosion.

- b. Galvanized Iron: Soft gloss, alkyd modified, acrylic house paint. Prime with vinyl-acrylic latex primer:
- 2. Interior:
 - a. Concrete Walls: Soft gloss, alkyd modified, acrylic house paint. Prime with 1 coat same material.
 - b. Concrete Floors: Satin with anti-skid sand, epoxy modified, acrylic latex. Prime with 1 coat of same material.

2.13 TOILET ROOM ACCESSORIES

- A. Description: Perform all work necessary and required for the construction of the projects in connection with furnishing and installation of all toilet accessories as specified herein.
- B. Grab Bars:
 - 1. Bars shall be 1-1/2 inch diameter, dull stainless steel
 - 2. Refer to ADAAG for the height of the grab bar required above the floor.
- C. Toilet Paper Holder:
 - 1. The Contractor shall furnish and install lockable toilet paper dispensers.

PART 3 – PRODUCTS

3.1 CONCRETE

- A. General:
 - 1. All concrete work including forming and concrete pouring shall be completed in accordance with Item Specification 03305 - "Concrete for Minor Structures".
 - 2. The following are additional requirements that are specific for the concrete toilet.
 - a. Steel forms shall be sufficiently rigid to prevent distortion due to pressure of the concrete during the concrete placement, vibrating of concrete, and curing period.
 - b. Design and construct steel forms so that they may be removed without injuring the concrete and maintaining close tolerance between mating surfaces of building components.
- B. Tapered walls will be allowed within the limits specified in this specification.

1. These tapered walls will be allowed to facilitate the removal of forms.
 2. The outside wall surfaces of the building and the vaults shall be plum.
 3. The tapered surfaces will only be allowed on the inside wall of the building and the vaults.
- C. Joints between steel sheets on wall surfaces shall conform to general lines of the structure as far as practical. Horizontal joints will not be allowed on the interior wall forms of the building. No more than two vertical joints will be allowed in any interior forms of the building, excluding interior corner joints.
- D. Vertical grooves in form liner pattern shall be continuous from top to bottom of walls except for openings for doors and windows. Horizontal butt joints between form liner panels will not be allowed. Vertical butt joints between form liner panels shall be made at vertical grooves in liner pattern except at outside corners. Vertical grooves in form liner pattern shall be centered on window openings and the vault pump out cover. Form ties or snap ties will not be allowed in any concrete under this contract. Forms shall be constructed to allow the following:
1. Vault shall be precast in one placement of concrete (Monolithic Construction) without any construction joints.
 2. Floor slab and walls of buildings may be constructed as a single unit.
 3. Elastomeric form liners shall be mounted on separate plywood or other removable panel material recommended by the manufacturer of the form liner.
 4. Upper surface of the roof slab may have a steel trowel finish in lieu of steel form finish.
 5. Upper surface of exterior slabs shall have a lightly broomed finish instead of a steel form finish (broom in direction of the slope). The Contractor shall assume all responsibility for determining when to remove the concrete components from the forms in order to reduce the structural damage to the components. Thoroughly clean forms and form liners before each reuse. Apply form coating and form release agent on all forms and form liners in accordance with the manufacturer's recommendations.
- E. Colored Concrete:
1. All colored concrete components shall be integrally colored.
 2. The following components shall be precast with colored concrete finish if indicated below:
 - a. Toilet Building Roof
 - b. Toilet Building Walls
 - c. Screen panels
 3. The same type and brand of cement, color, aggregate and other additives shall be used throughout the entire building pour and exterior wall panels.

- a. In addition, as far as is reasonably practical, all ingredients shall be from the same lot or manufacturing process.
- b. Aggregates shall be from the same source.
- c. All volumes of concrete shall be uniform in all respects to insure uniformity of color of the finished concrete.
- d. All ingredients shall be weighed.
- e. Add color by weight as recommended by the manufacturer of the concrete color.
- f. The mixing operation shall be adequate to uniformly disperse the color throughout each batch.
- g. Cure and seal colored concrete as recommended by the manufacturer of the concrete color.
- h. Wash and thoroughly clean the mixer and transporting equipment before mixing colored concrete.
- i. Repeat each time a color is made to a different color of concrete to avoid any carry over.

3.2 METAL DOOR

- A. Install hardware in accordance with manufacturer's instructions after finish paint work is complete.
- B. Install wall bumper on inside surface of concrete screen wall to contact toilet building door.

3.3 HARDWARE INSTALLATION

- A. Adjust spring hinges so door will close, and latch bolt will catch from a standing start at a door swing opening of approximately 30 inches when the building is installed.
- B. Install the door bumper on the exterior screen wall after the door is installed so as to insure the proper location.

3.4 WINDOWS AND LOUVERED VENTS

- A. Mount glazing with 1/2-inch metal frames and No. 10 corrosion resistant security or tamper-proof screws on the inside of the building.
- B. Mount louvered vents according to manufacturer's recommendations.

3.5 SEALING EXTERIOR CONCRETE WALLS

- A. Clean mineral salt deposits, dirt, etc., from exterior concrete with wood grain finish before sealing.
- B. Allow surface to be sealed, to thoroughly dry and apply concrete sealer as

recommended by manufacture.

- C. Apply one coat of non-gloss penetrating concrete sealer.
- D. Concrete sealer shall be applied by spraying unless otherwise approved, in advance and in writing, by the CO.

3.6 INSTALLATION OF EQUIPMENT

- A. The Contractor shall provide all necessary equipment to install the precast concrete toilet at the designated site. Lifting Fixtures, threaded anchors, etc., used by the Contractor to assemble concrete building components shall be designed to be reusable at a later date if the Government decides to relocate the buildings or replace building components.

3.7 WATERPROOFING AND SEALING OF CONCRETE VAULT

- A. Preparation of surfaces:
 - 1. Surfaces to receive waterproofing and sealing shall be smooth, clean, and dry. Holes, joints, and cracks shall be pointed flush with mortar and high spots ground level with surrounding surface.
 - 2. Before waterproofing and sealing, surfaces shall be swept clean of all foreign matter, shall be etched with muriatic acid to remove any laitance and shall be inspected and approved by the CO.
 - 3. The concrete is to be cured according to Item Specification 03305 and the vault is to be tested for water tightness and all water removed and the vault dried for at least 3 days before applying the waterproofing and sealing.
- B. Application:
 - 1. The Contractor shall coordinate waterproofing and sealing operations with other phases of the work to prevent staining or damaging finished work.
 - 2. Two coats of BG-102 shall be applied to the exterior of foundation walls and shall extend from the bottom of the vault to within four inches of the finished grade.
 - 3. The interior concrete vault floor, ceiling, and walls are to be covered with two coats of BG-500, color black, BG-102, and BG-500 are to be applied at the rates and in accordance with manufacturers recommendations.
 - 4. All safety precautions shall be adhered to and all necessary safety equipment is to be used as recommended by the manufacturer.
 - 5. Care is to be taken during backfilling procedures to protect the coating from any damage.
 - 6. Rocks larger than 4 inches shall not be placed against the exterior concrete wall.

C. Repair:

1. The Contractor shall repair or replace damaged finished work to its original condition without additional cost to the Government.

3.8 PUMPOUT ACCESS MANHOLE

- A. The manhole covers, rings, and bases are to be installed on top of the concrete slab and securely bolted to the concrete slab as recommended by the manufacturer.
- B. The base is to also be sealed to the concrete slab with a waterproof mastic so as to be water and airtight.

3.9 CAULKING AND SEALANTS

- A. Joints and spaces to be caulked shall be clean and free from dust and shall be dry.
- B. Joints shall be filled slightly convex.
- C. Caulk joints before final coat of paint or stain is applied to adjacent work.
- D. Where caulking will not be painted or stained, color shall match that of adjacent materials.
- E. Apply compound with gun having proper size nozzle or with knife as required. Use sufficient pressure to fill all joints solid; superficial pointing of joints with a skin bead will not be accepted.
- F. Remove excess caulking and leave surfaces neat, smooth, and clean.
- G. Upon completion, caulking shall have a smooth, even finish.
- H. All caulked joints shall be watertight.

3.10 TOILET ROOM ACCESSORIES

- A. The grab rails and toilet paper holders shall be securely mounted in accordance with the manufacturer's instructions.

3.11 PAINTING

- A. Preparation of Surfaces:
 1. Surfaces to be painted shall be clean and free of dirt, dust and any other substance which might interfere with the functioning of the painting system.

2. All surfaces to be painted shall be in proper condition to accept and assure the proper adhesion and functioning of the particular painting system or coating specified.
3. All steel and ferrous metal surfaces to be painted will be primed before installation.
4. Bolts, welds and places where prime coat has been damaged shall be wire brushed to remove all loose paint, rust, and scale, and then given one coat of ferrous metal primer.
5. Precast and poured concrete surfaces shall be cured for 60 days before painting.
6. The presence of form release agents and laitance deposits shall be cleaned from the surface to be painted by sandblasting or washing thoroughly with a detergent solution.
7. Prime coats and finish coats of any one paint system shall be the products of the same manufacturer, except for manufacturer applied factory or shop primed surfaces.

B. Workmanship and Application:

1. Paint shall be applied in accordance with the applicable specification and/or manufacturer's instructions.
2. Paints and finishing materials shall be free from skins, lumps, or any foreign matter, and kept well stirred while being applied.
3. Work shall be protected against spatters, stains, or soiling, and each type of finish shall be protected against similar defacement by other finish and shall be left clean.
4. Each coat of paint shall be evenly worked out and allowed to dry before any subsequent coat is applied or rubbing done.
5. Finish coats shall be the exact shades and textures selected.
6. The finish work shall be free from runs and sags, defective brushing, and clogging of lines or angles.

C. Touching Up:

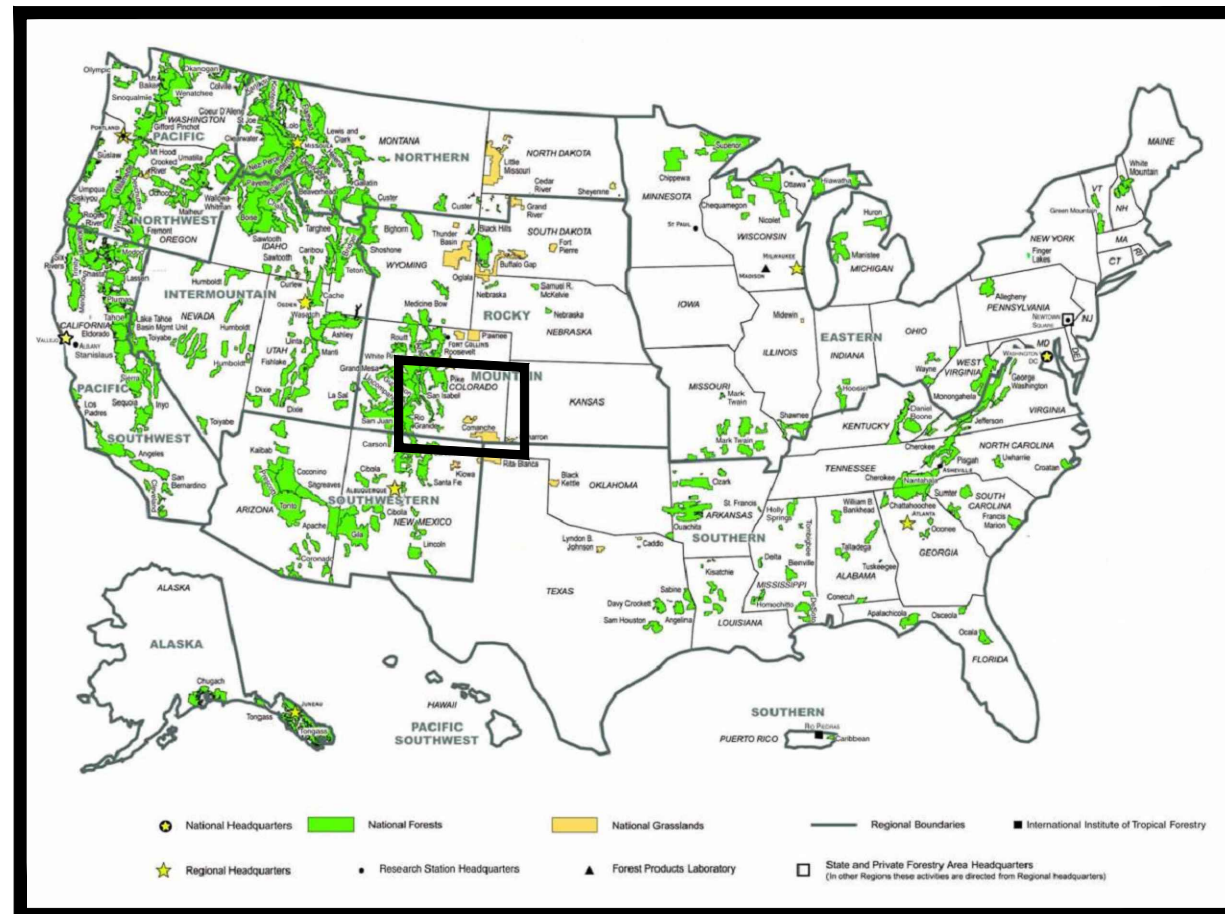
1. At the completion of other branches of the work, all painted and finished work shall be touched up and restored where damaged or defaced, and the entire work left free from blemishes.

END OF SECTION 139000



**United States Department of Agriculture
Forest Service**

**R02 ROCKY MOUNTAIN REGION
PIKE-SAN ISABEL NATIONAL FORESTS & CIMARRON AND COMANCHE
NATIONAL GRASSLANDS (PSICC)
PSICC GAOA VAULT TOILET REPLACEMENT**

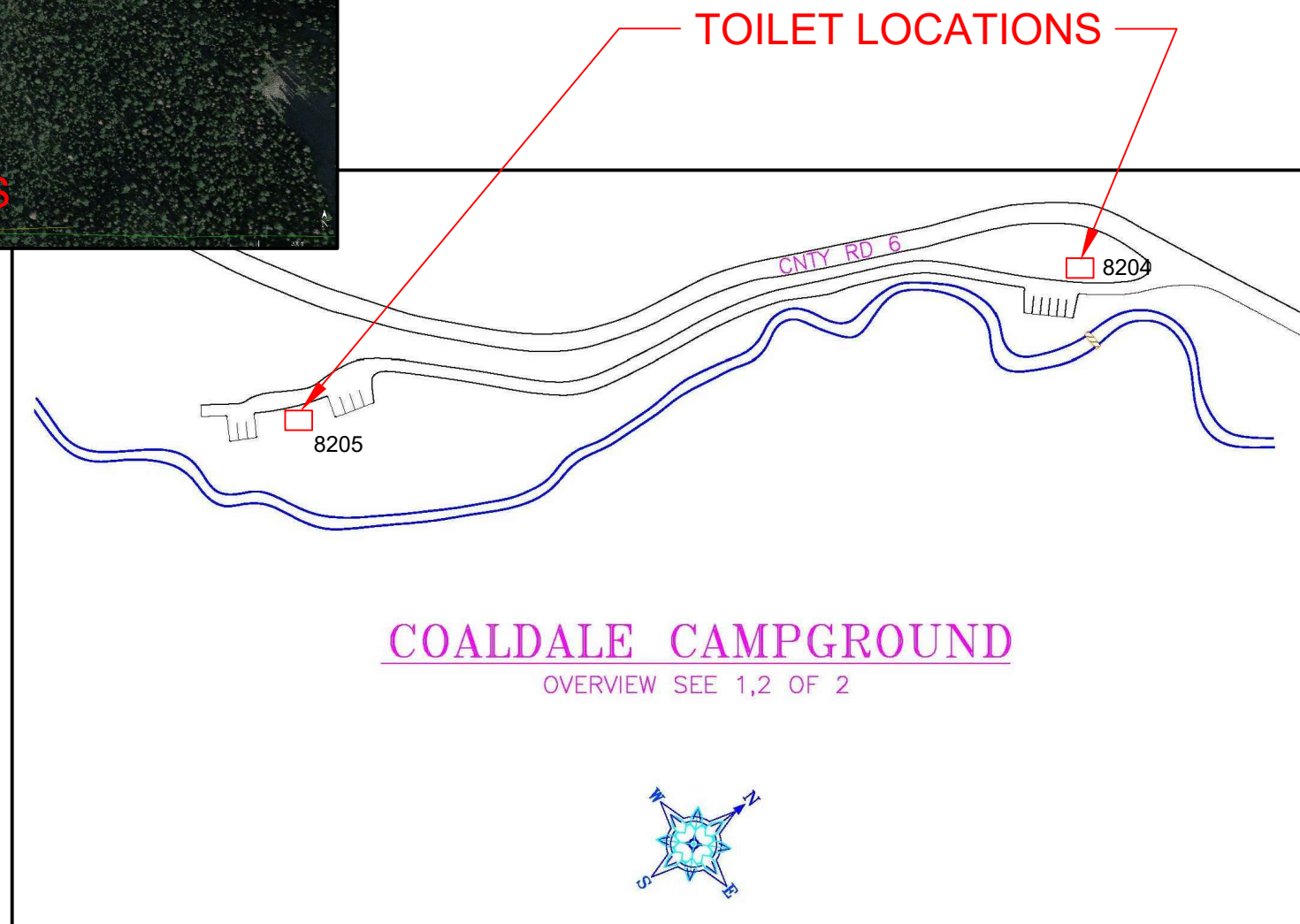
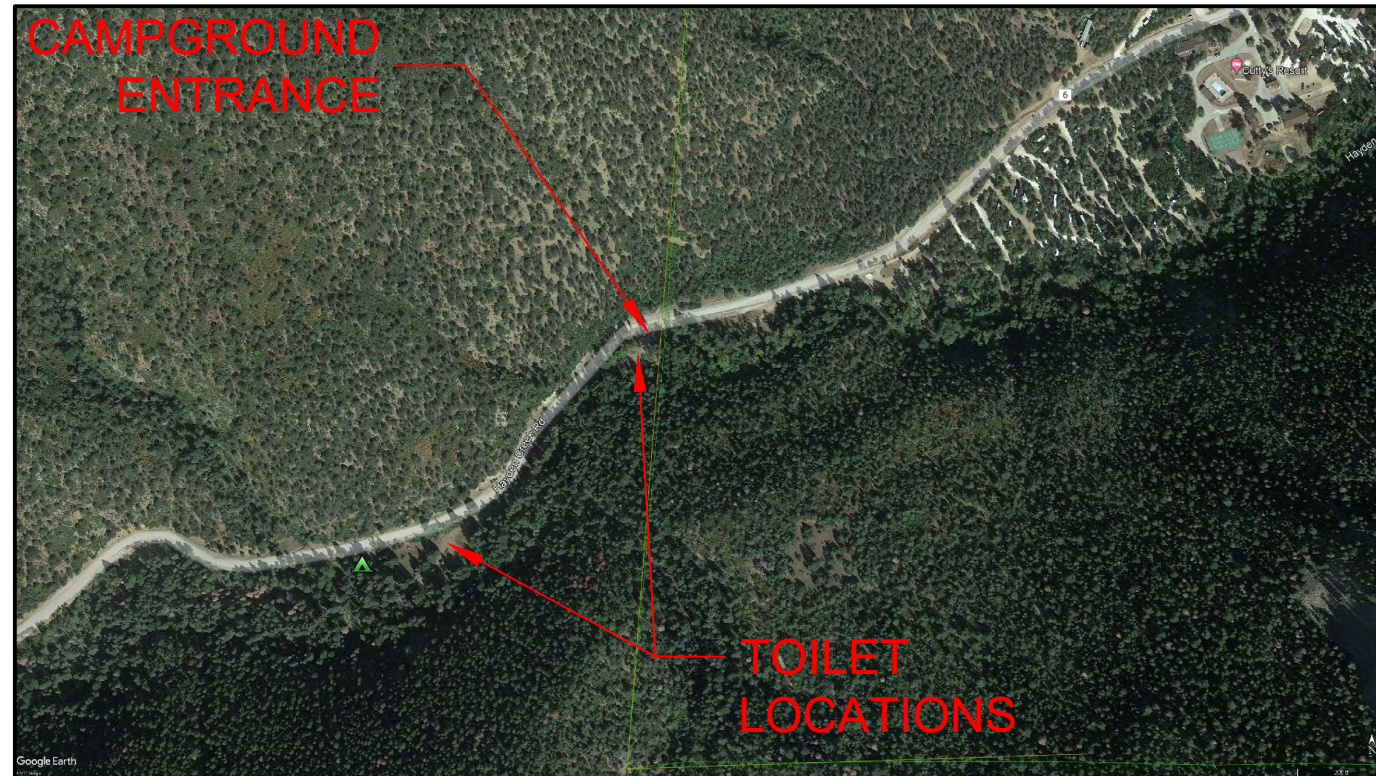


PROJECT LOCATION

INDEX OF SHEETS

SHEET	SHEET TITLE	DATE
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G-01	SIGNATURE PAGE	1/11/2022
G-02	COALDALE CG SGL	1/11/2022
G-03	LAKEVIEW CG DBL	1/11/2022
G-04	MANITOU LAKE PG DBL	1/11/2022
G-05	SOUTH MEADOWS CG DBL	1/11/2022
G-06	AVALANCHE TH DBL	1/11/2022
G-07	SPRINGER GULCH TH SGL LOWER/UPPER	1/11/2022
G-08	HANDCART CG SGL	1/11/2022
G-09	HALL VALLEY CG SGL	1/11/2022
G-10	SINGLE RIGHT HAND	1/11/2022
G-11	SINGLE LEFT HAND	1/11/2022
G-12	DOUBLE	1/11/2022
G-13	DOUBLE/CHASE	1/11/2022
		1/11/2022
		1/11/2022
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GENERAL NOTES

- 1) THIS PROJECT SITE IS LOCATED IN FREMONT COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 7,280 FEET ABOVE SEA LEVEL.
- 3) BUILDING #8204 AND #8205.
- 4) BUILDING #8205 SHALL BE OFFLOADED AT THE CAMPGROUND ENTRANCE AND TRANSFERRED TO A SHORT TRUCK TO GAIN ACCESS TO THE SITE.
- 5) EXISTING VEGETATION CAN BE TRIMMED TO PREVENT DAMAGE TO THE INSTALLATION EQUIPMENT.
- 6) SLASH CAN BE PILED AT THE ENTRANCE TO THE CAMPGROUND TO BE REMOVED BY THE GOVERNMENT.
- 7) LONG: 38° 20' 01.80" N
- 8) LAT: 105° 48' 18.34" W

DIRECTIONS TO SITE:

FROM SALIDA, COLORADO, TRAVEL 15 MILES ON HIGHWAY 50 EAST TOWARDS CANON CITY. JUST OUTSIDE COALDALE, WATCH FOR SIGNS INDICATING ACCESS TO "CUTTY'S RESORT" AND HAYDEN CREEK. TURN RIGHT AT THE SIGNS AND GET ON FREMONT COUNTY ROAD 6. COUNTY ROAD 6 TRAVELS SOUTH, WINDING TOWARDS HAYDEN PASS. CUTTY'S RESORT (PRIVATE) IS LOCATED ON THE LEFT AND ABOUT 0.25 MILES PAST THE RESORT IS COALDALE CAMPGROUND.



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

SALIDA RANGER DISTRICT

DRAWING TITLE

COALDALE CG SGL

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

S.LABELLA

DWG SHEET NO.

G-02

DRAWN

S.LABELLA

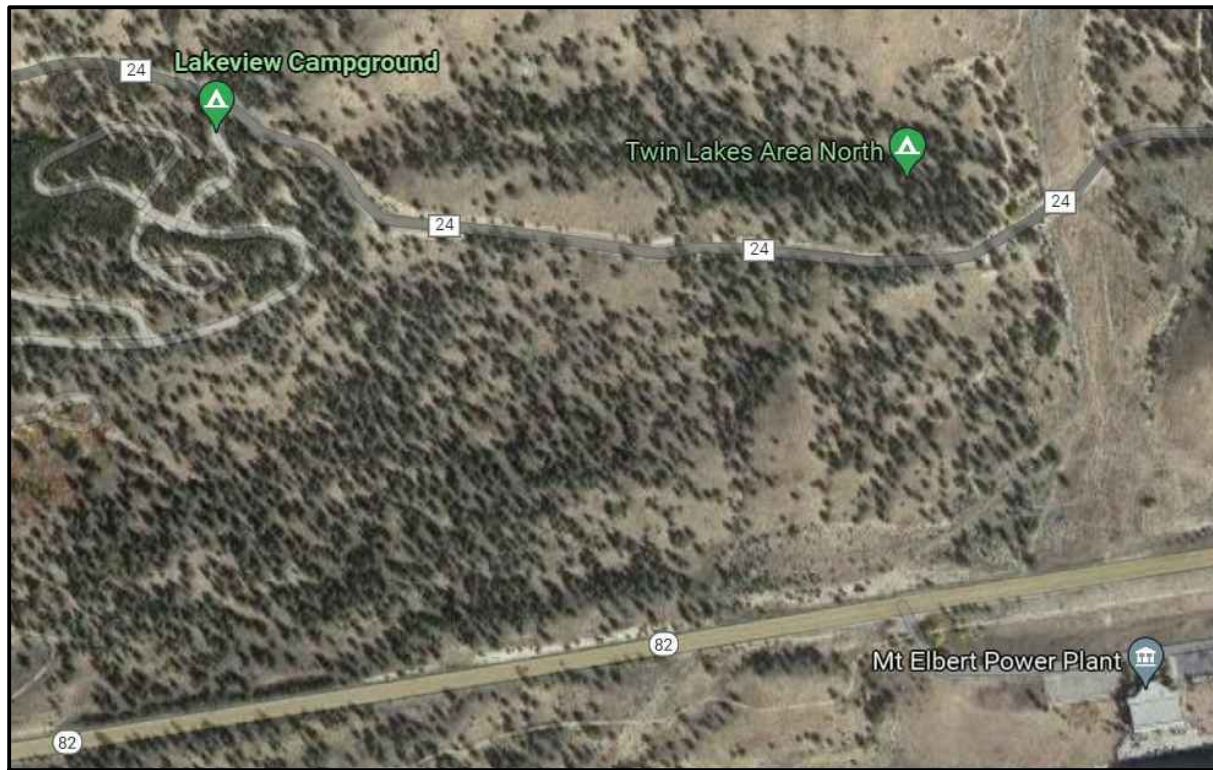
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D.LIRA

PROJECT NO.

SHEET 2 OF 13

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GENERAL NOTES

- 1) THIS PROJECT SITE IS LOCATED IN LAKE COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 9,486 FEET ABOVE SEA LEVEL.
- 3) CONTRACTOR SHALL LOCATE ALL EXISTING CAMPGROUND WATER LINES PRIOR TO THE INSTALLATION OF THE NEW TOILET STRUCTURES.
- 4) CONTRACTOR SHALL NOT REMOVE ANY VEGETATION GREATER THAN FOUR INCHES IN DIAMETER FROM PROJECT SITE.
- 5) BUILDING #8184 AND #8187



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

LEADVILLE RANGER DISTRICT

DRAWING TITLE

LAKEVIEW CG DBL

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

S.LABELLA

DRAWN

S.LABELLA

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D.LIRA

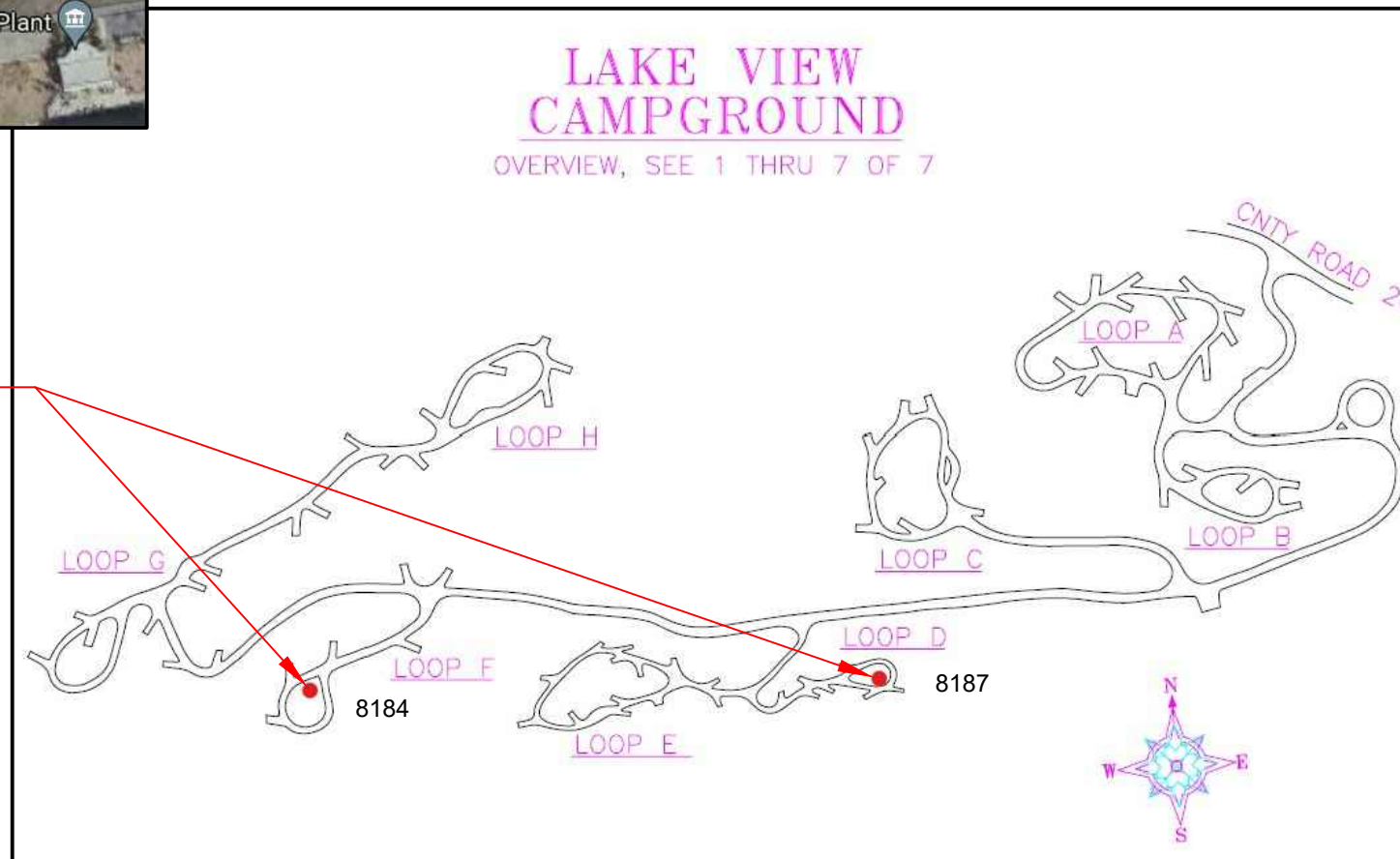
PROJECT NO.

DWG SHEET NO.

G-03

SHEET 03 OF 13

TOILET LOCATIONS



DIRECTIONS TO SITE:

FROM LEADVILLE, COLORADO, TRAVEL 15 MILES SOUTH ON US HIGHWAY 24 THEN TRUN RIGHT ON HIGHWAY 82 AND TRAVEL FOR 4 MILES. TURN RIGHT ON LAKE COUNTY ROAD 24 AT THE CAMPGROUND SIGN AND TRAVEL 1 MILE NORTH TO THE CAMPGROUND, WHICH IS LOCATED ON THE LEFT SIDE OF THE ROAD.

3/8/23 15:13 PHILLIPKRIEBLE C:\USERS\PHILLIPKRIEBLE\BOX\CONTRACTS (ACTIVE)\FY21 GAOA VAULT TOILETS\VAULT TOILETS\NEW BUILDINGS\DRAWINGS\CAD FILES\G-09_MANTOULAKE\G-09_R.DWG;

TOILET LOCATIONS



GENERAL NOTES

- 1) THIS SITE IS LOCATED IN TELLER COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 7,747 FEET ABOVE SEA LEVEL.
- 3) CONTRACTOR SHALL LOCATE ALL EXISTING CAMPGROUND WATER LINES PRIOR TO INSTALLATION OF THE NEW TOILET STRUCTURES.
- 4) BUILDING #8724 AND #8725.

DIRECTIONS TO SITE:

FROM WOODLAND PARK, COLORADO, TRAVEL 7 MILES NORTH ON HIGHWAY 67 TO THE PROJECT SITE. MANITOU LAKE IS ON THE RIGHT (EAST) SIDE OF THE HIGHWAY 1 MILE NORTH OF COLORADO CAMPGROUND.



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

PIKES PEAK RANGER
DISTRICT

DRAWING TITLE

**MANITOU LAKE PG
DBL**

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

S.LABELLA

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PROJECT NO.

DWG SHEET NO.

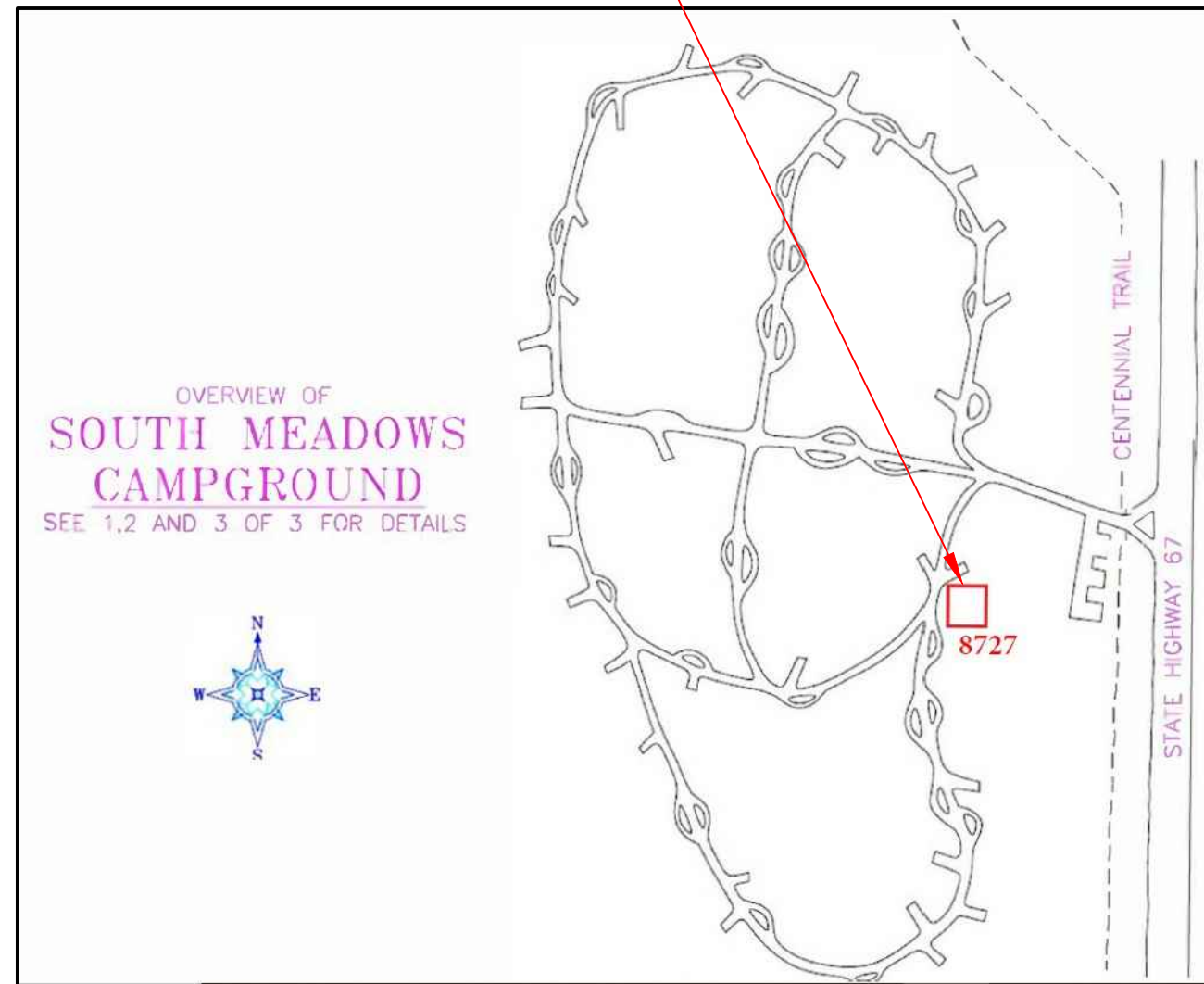
G-04

SHEET 04 OF 13

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TOILET LOCATION



GENERAL NOTES

- 1) THIS SITE IS LOCATED IN TELLER COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 7,904 FEET ABOVE SEA LEVEL.
- 3) CONTRACTOR SHALL NOT REMOVE ANY VEGETATION GREATER THAN FOUR INCHES IN DIAMETER FROM PROJECT SITE.
- 4) CONTRACTOR SHALL MINIMIZE RESOURCE DAMAGE TO THE PROJECT SITE.
- 5) CONTRACTOR SHALL RESTORE ANY RESOURCE DAMAGE TO THE PROJECT SITE.
- 6) CONTRACTOR SHALL LOCATE ALL EXISTING CAMPGROUND WATER LINES PRIOR TO INSTALLATION OF THE NEW TOILET STRUCTURE.
- 7) BUILDING #8727.

DIRECTIONS TO SITE:

FROM WOODLAND PARK, COLORADO, TRAVEL 5 MILES NORTH ON HIGHWAY 67 TO THE CAMPGROUND.



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

PIKES PEAK RANGER
DISTRICT

DRAWING TITLE

**SOUTH MEADOWS CG
DBL**

DATE

03/01/2023

ARCHIVE NO.

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DESIGNER

S.LABELLA

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D.LIRA

PROJECT NO.

DWG SHEET NO.

G- 05

SHEET 05 OF 13

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United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

SALIDA RANGER DISTRICT

DRAWING TITLE

AVALANCHE TH DBL

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

S.LABELLA

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S.LABELLA

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D.LIRA

PROJECT NO.

DWG SHEET NO.

G-06

SHEET 06 OF 13

GENERAL NOTES

- 1) THIS PROJECT SITE IS LOCATED IN CHAFFEE COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 9,375 FEET ABOVE SEA LEVEL.
- 3) BUILDING #8206
- 4) THE PROJECT SITE HAS EXISTING TREES THAT MAY BE LIMBED UP TO GAIN ACCESS FOR INSTALLATION; HOWEVER, TREES CANNOT BE REMOVED.

DIRECTIONS TO SITE:

FROM BUENA VISTA, COLORADO, TRAVEL WEST ON COUNTY ROAD 306 FOR APPROXIMATELY 9 MILES. THE TRAIL HEAD IS LOCATED ON THE RIGHT SIDE OF THE ROAD. WATCH FOR A SIGN ON THE RIGHT AND TURN INTO THE PAVED PARKING AREA.

3/8/23 15:21 PHILLIPKRIEBLE\BOX\CONTRACTS\ACTIVE\FY21 GAOA VAULT TOILETS\VAULT TOILETS\NEW BUILDINGS\DRAWINGS\CAD FILES\G-19_SPRINGERGULCHTH_R.DWG;



United States Department of Agriculture
Forest Service

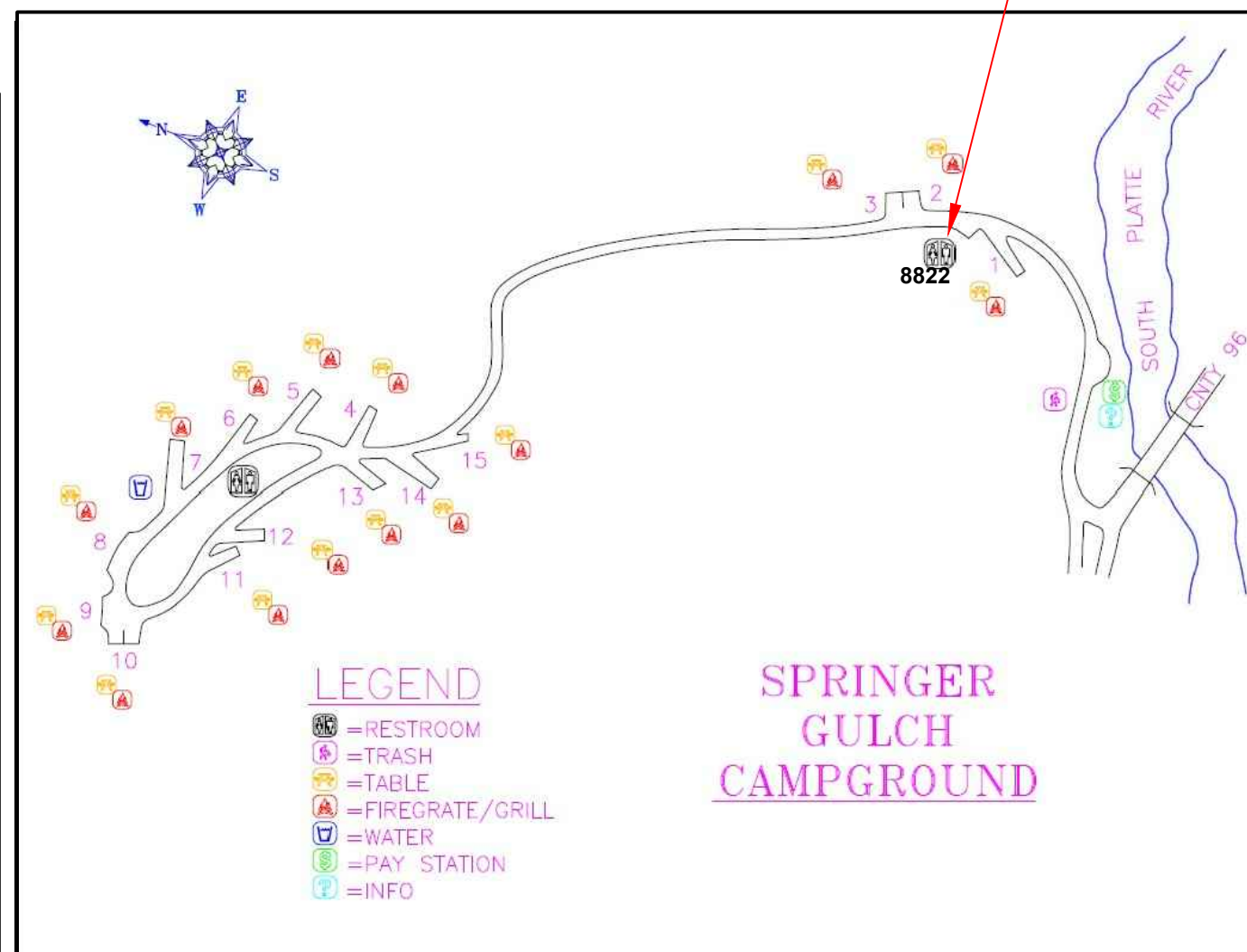
(R02)
ROCKY MOUNTAIN REGION

GENERAL NOTES

- 1) PROJECT SITE IS LOCATED IN PARK COUNTY.
- 2) THE PROJECT SITE IS LOCATED 8,366 FEET ABOVE SEA LEVEL.
- 3) BUILDING # 8821 AND #8822
- 4) ACCESS TO THE PROJECT SITE IS A DIRT ROAD THAT HAS BRIDGES AND TUNNELS. RECOMMEND OFF LOADING BUILDING TO SHORT TRUCKS AT THE RIVERSIDE CAMPGROUND.



TOILET LOCATIONS



DIRECTIONS TO SITE:

FROM LAKE GEORGE, COLORADO, TURN SOUTH OFF HIGHWAY 24 ONTO COUNTY ROAD 96. FOLLOW COUNTY ROAD 96 INTO THE CANYON UNTIL THE PROJECT SITE AT SPRINGER GULCH CAMPGROUND ON THE RIGHT.

PROJECT NAME

PSICC GAOA VAULT
TOILET REPLACEMENT

PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS

SOUTH PARK RANGER
DISTRICT

DRAWING TITLE

SPRINGER GULCH TH
SGL LOWER/UPPER

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

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DWG SHEET NO.

G- 07

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S.LABELLA

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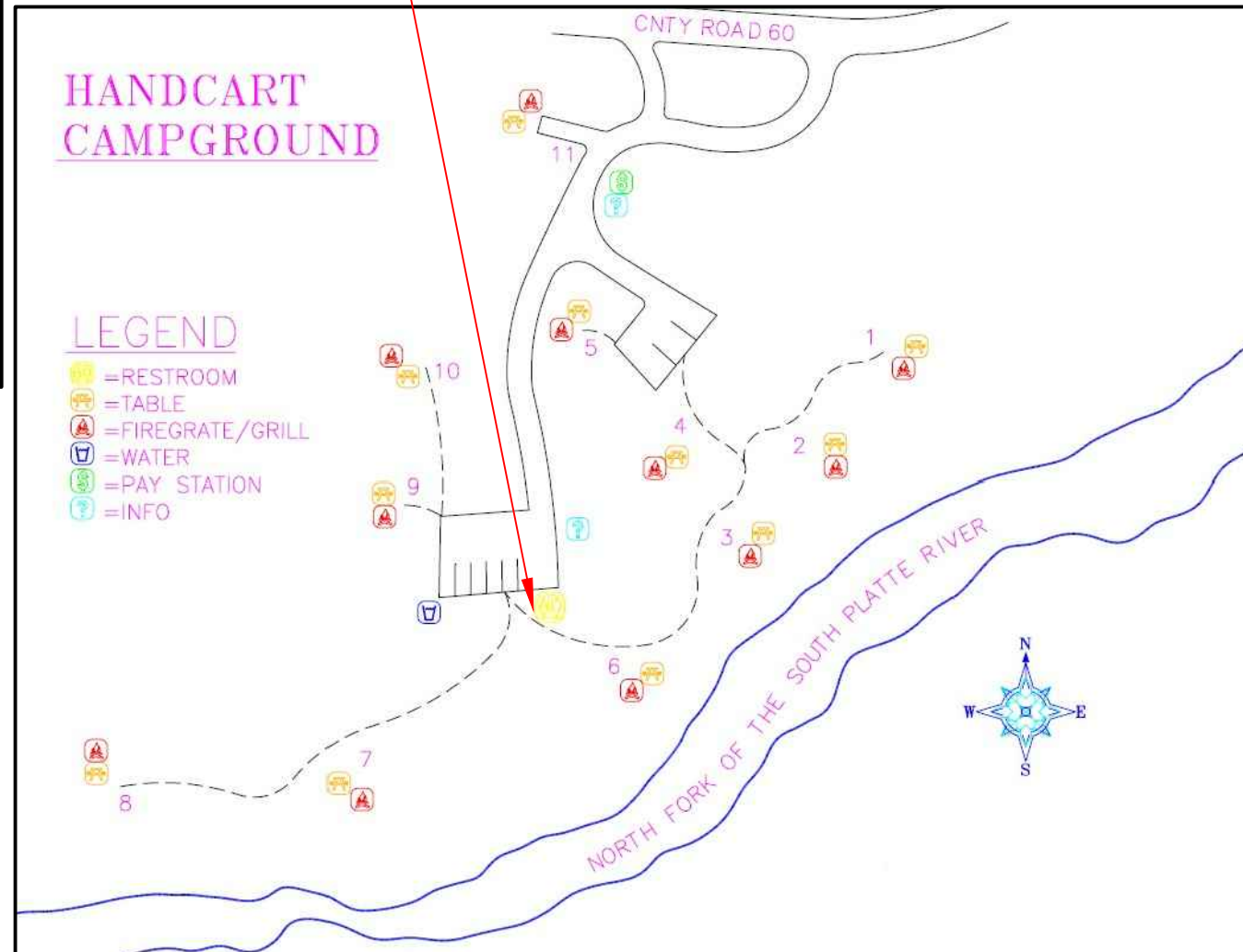
PROJECT NO.

SHEET 07 OF 13

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TOILET
LOCATION



DIRECTIONS TO SITE:

FROM US HIGHWAY 285, TURN NORTH AT THE COMMUNITY OF WEBSTER ONTO PARK COUNTY 60 GOING TOWARDS RED CONE AND WEBSTER PASS.



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

PSICC GAOA VAULT
TOILET REPLACEMENT

PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS

SOUTH PLATTE RANGER
DISTRICT

DRAWING TITLE

HANDCART CG SGL

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

S.LABELLA

DRAWN

S.LABELLA

CHECKED

D.LIRA

PROJECT NO.

DWG SHEET NO.

G- 08

SHEET 08 OF 13

GENERAL NOTES

- 1) THIS SITE IS LOCATED IN PARK COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 9,779 FEET ABOVE SEA LEVEL.
- 3) BUILDING #8943.

3/8/23 15:22 PHILLIPKRIEBLE C:\USERS\PHILLIPKRIEBLE\BOX\CONTRACTS (ACTIVE)\FY21 GAOA VAULT TOILETS\VAULT TOILETS\NEW BUILDINGS\DRAWINGS\CAD FILES\G-20_HALLVALLEYCG_R.DWG;



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

SOUTH PLATTE RANGER
DISTRICT

DRAWING TITLE

HALL VALLEY CG SGL

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

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DRAWN

S.LABELLA

CHECKED

D.LIRA

PROJECT NO.

DWG SHEET NO.

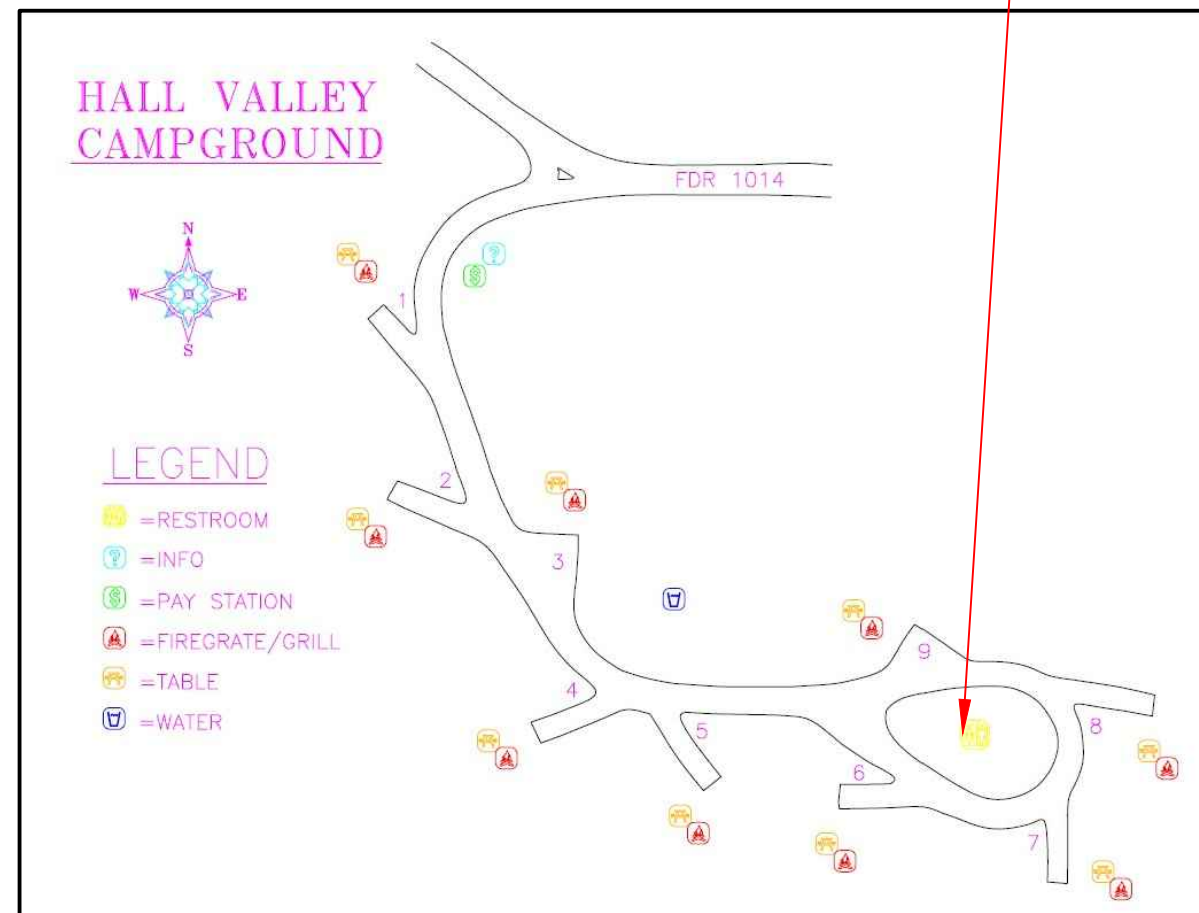
G-09

SHEET 09 OF 13

GENERAL NOTES

- 1) THIS SITE IS LOCATED IN PARK COUNTY.
- 2) THIS PROJECT SITE IS LOCATED 9,812 FEET ABOVE SEA LEVEL.
- 3) BUILDING #8944.
- 4) NEW BUILDING SHALL BE OFF LOADED ONTO A SHORT TRUCK AT THE INTERSECTION OF COUNTY RD 60 AND FSR 1014.

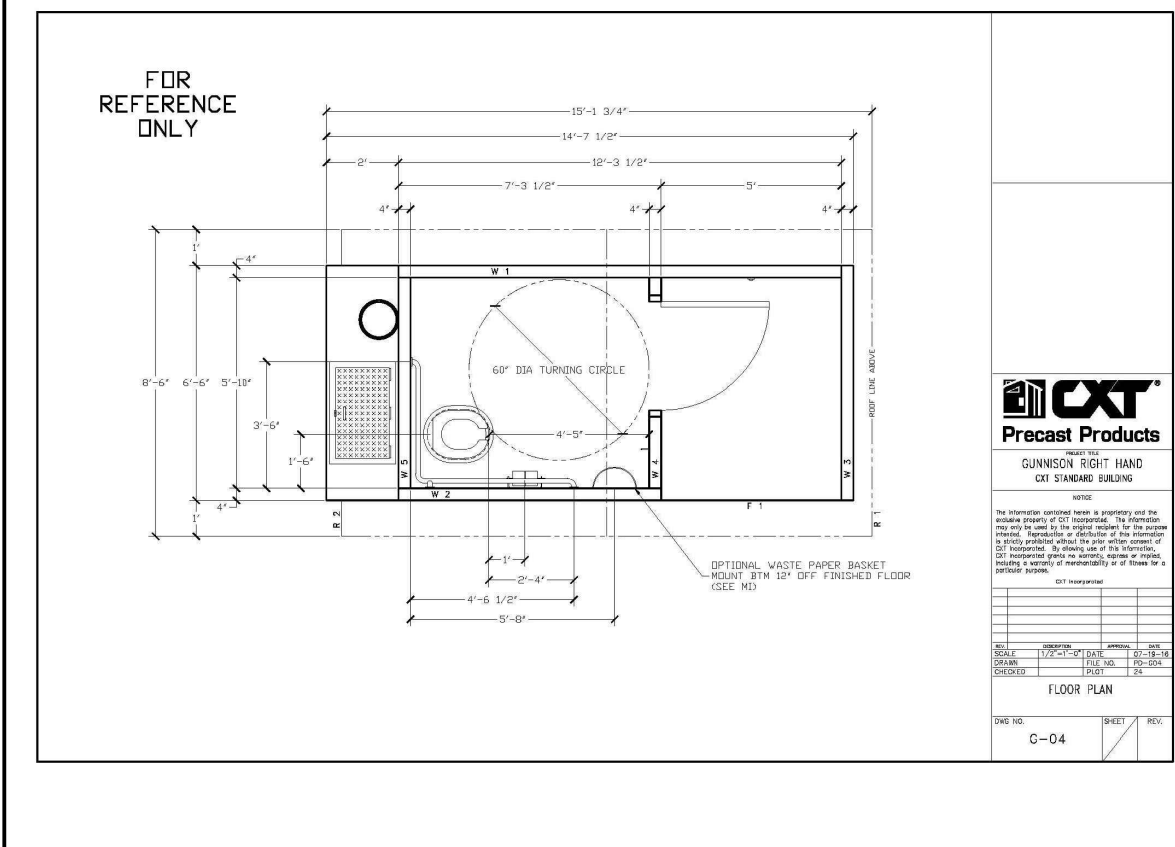
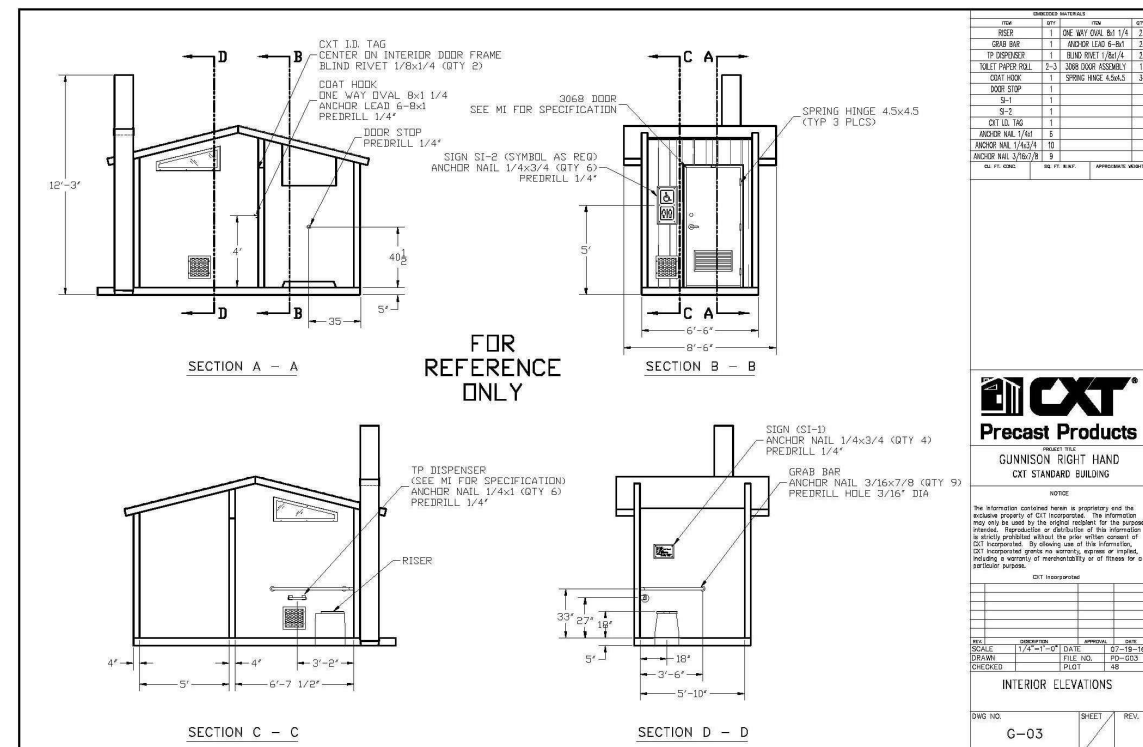
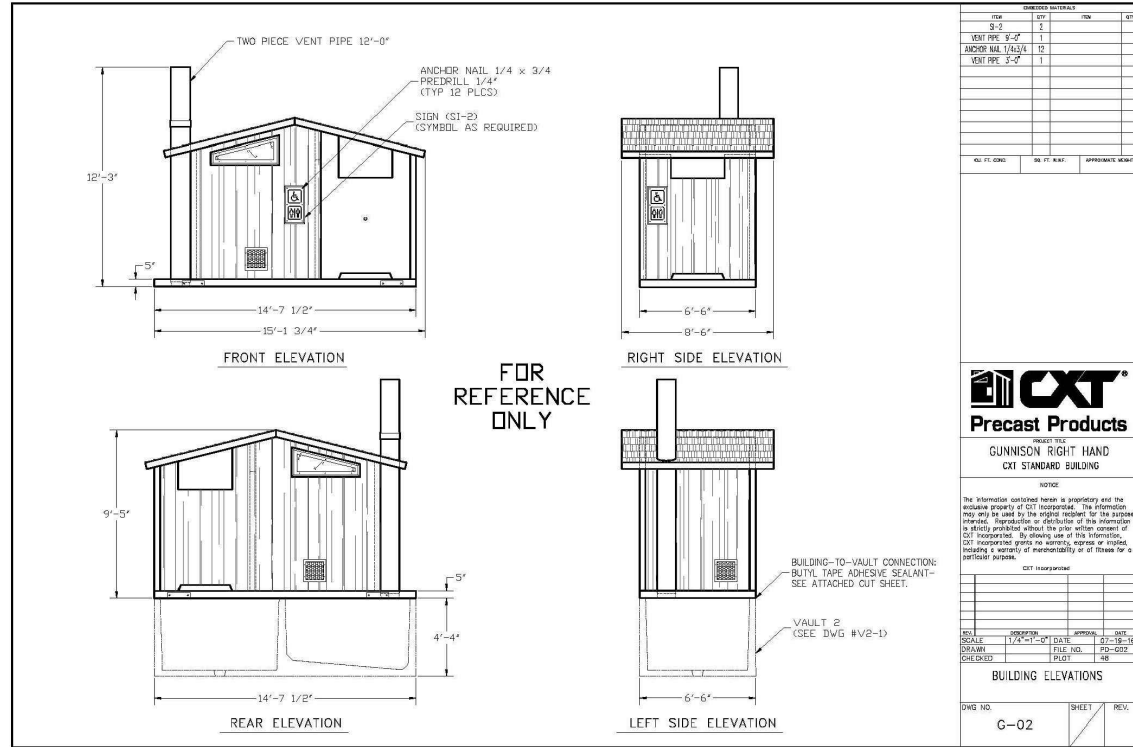
TOILET LOCATION



DIRECTIONS TO SITE:

FROM US HIGHWAY 285, TURN NORTH AT THE COMMUNITY OF WEBSTER ONTO PARK COUNTY 60 GOING TOWARDS RED CONE AND WEBSTER PASS.

3/8/23 15:25 PHILLIPKRIEBLE C:\USERS\PHILLIPKRIEBLE\BOX\CONTRACTS (ACTIVE)\FY21 GAOA VAULT TOILETS\NEW BUILDINGS\CAD FILES\G-24_SINGLERIGHTHAND_R.DWG;



United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

PSICC GAOA VAULT TOILET REPLACEMENT

PIKE-SAN ISABEL NATIONAL FORESTS & CIMARRON AND COMANCHE NATIONAL GRASSLANDS

ALL DISTRICTS

DRAWING TITLE

SINGLE RIGHT HAND

DATE

03/01/2023

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

D.LIRA

DWG SHEET NO.

G- 10

DRAWN

D.LIRA

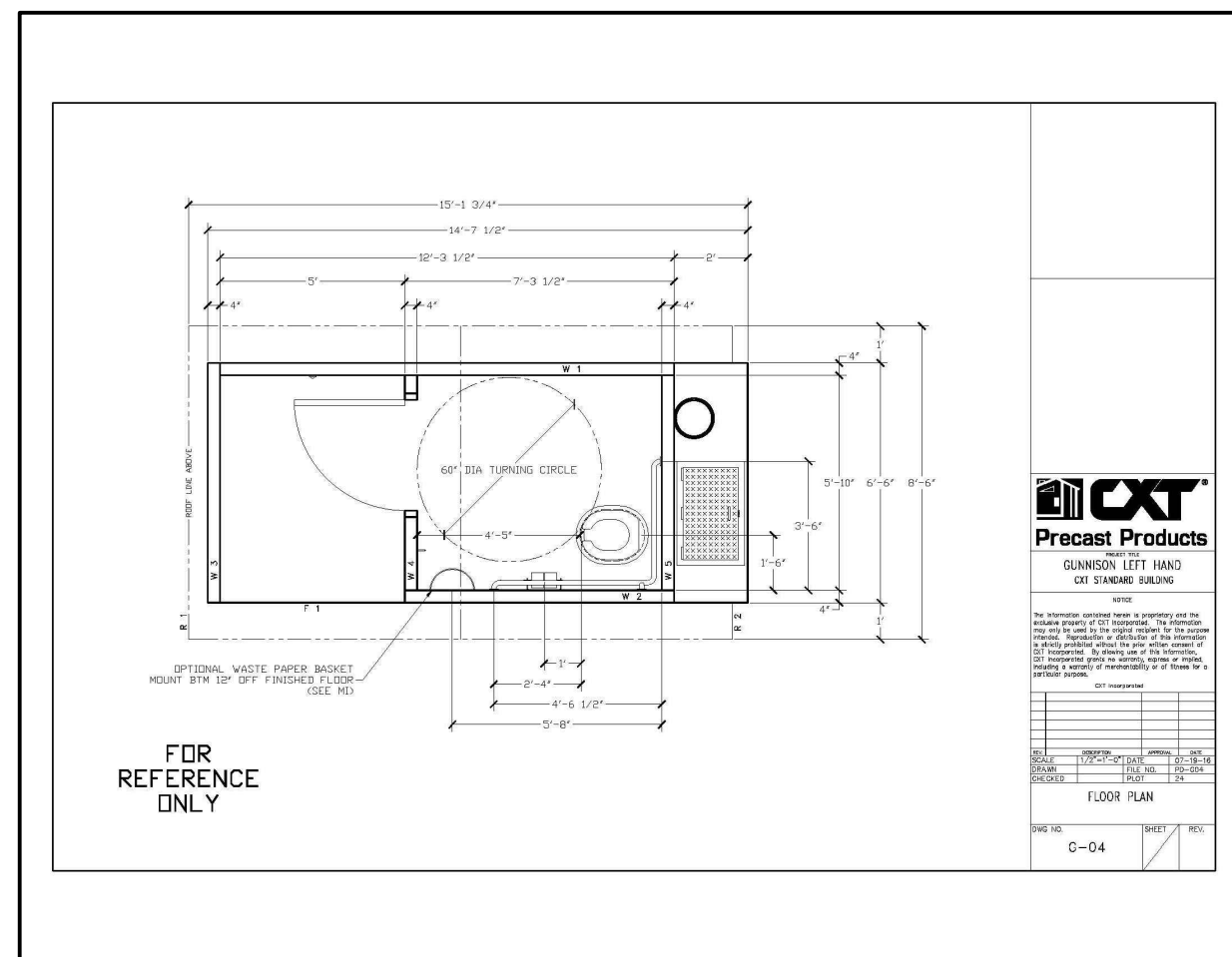
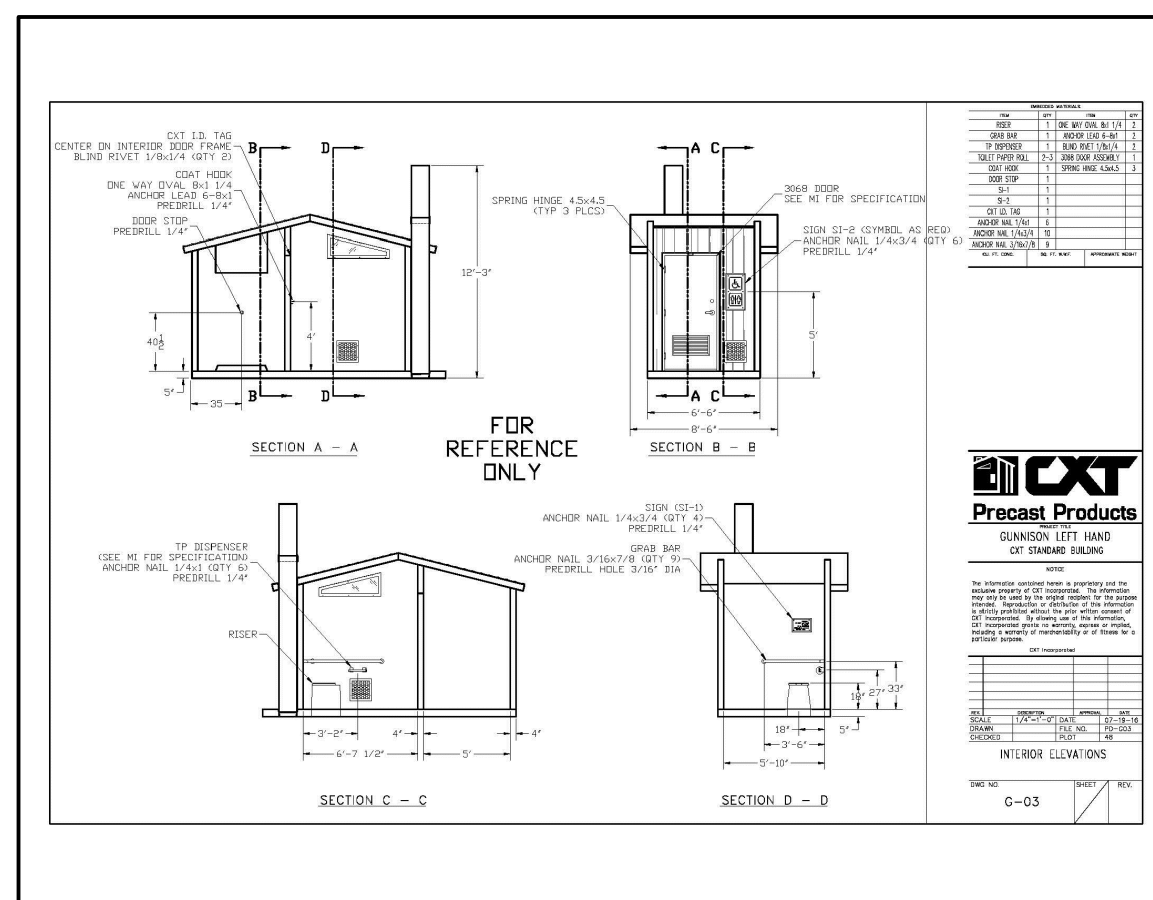
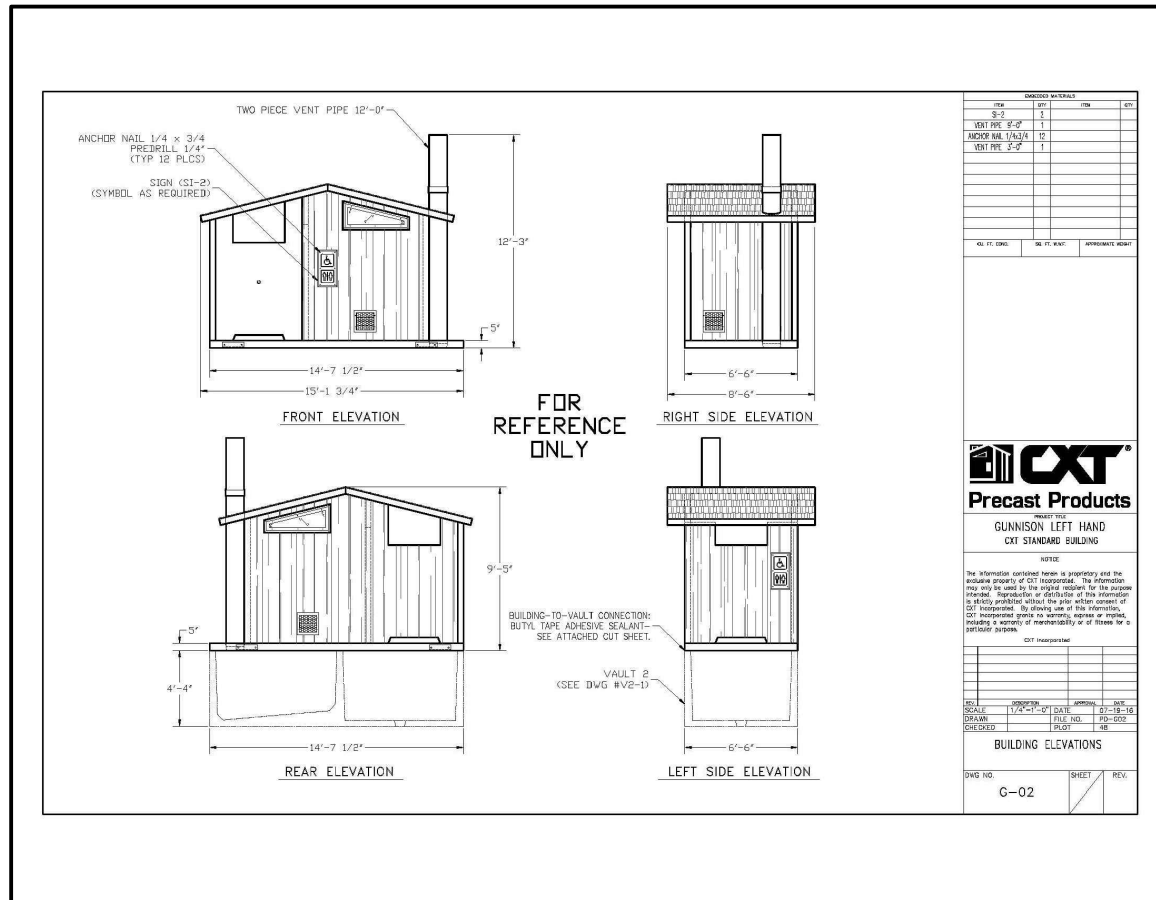
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S.LABELLA

PROJECT NO.

SHEET **10** OF 13

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United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME
**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

ALL DISTRICTS

DRAWING TITLE
SINGLE LEFT HAND

DATE
03/01/2023

ARCHIVE NO.
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DESIGNER
D.LIRA

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D.LIRA

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S.LABELLA

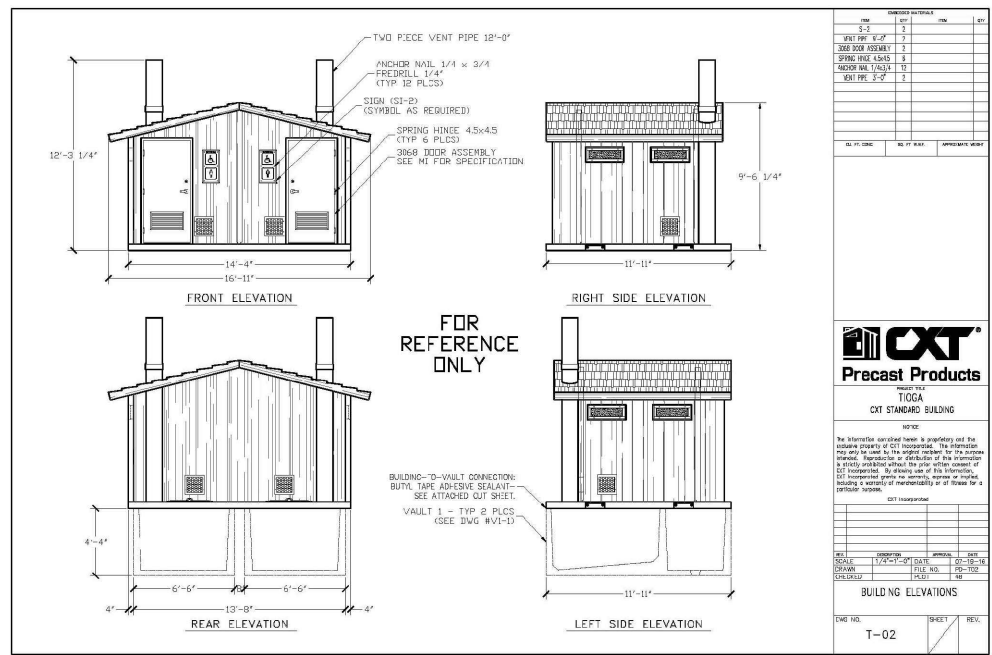
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DWG SHEET NO.

G- 11

SHEET 11 OF 13

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CXT
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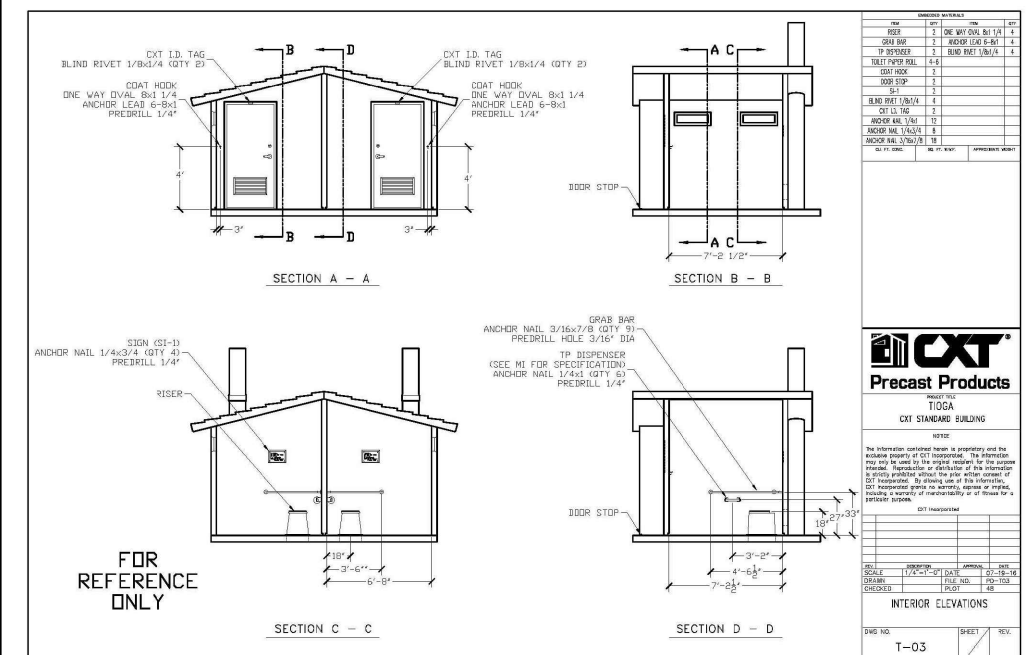
PROJECT TITLE
TOGA
CXT STANDARD BUILDING

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CXT International

BUILDING ELEVATIONS

T-02



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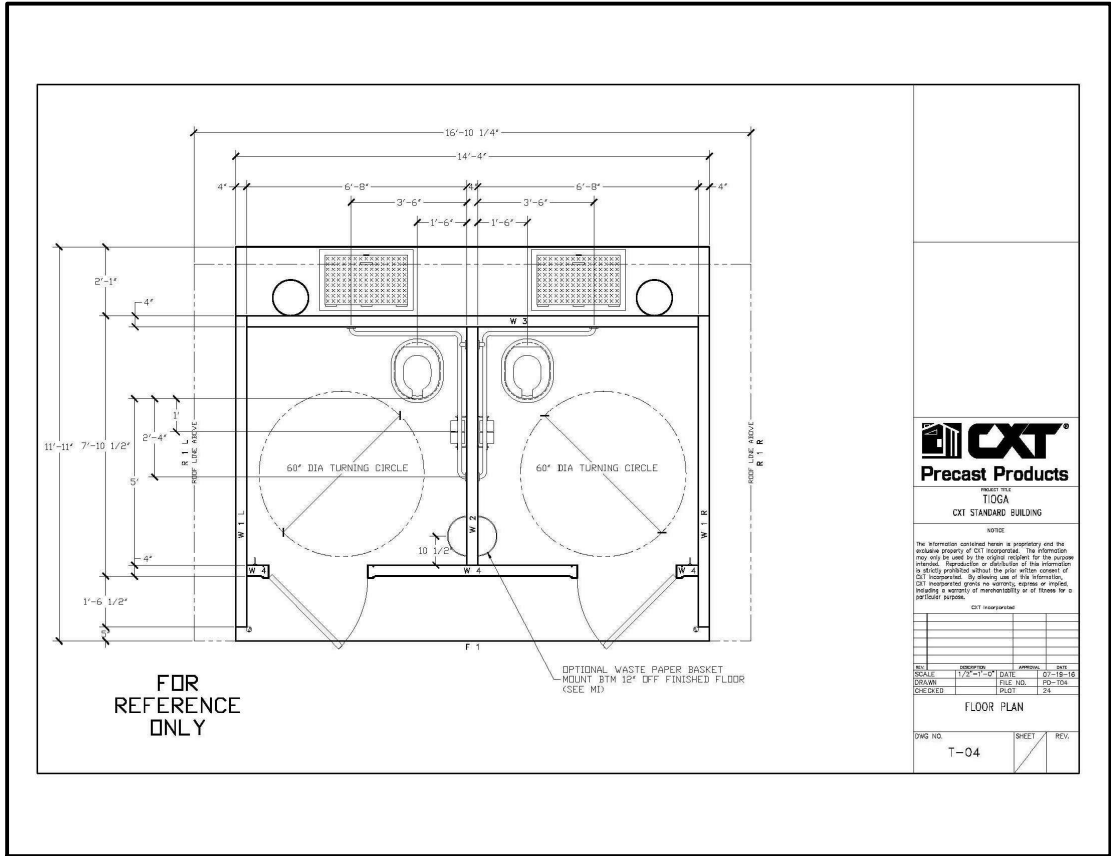
PROJECT TITLE
TOGA
CXT STANDARD BUILDING

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INTERIOR ELEVATIONS

T-03



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FLOOR PLAN

T-04

United States Department of Agriculture
Forest Service

(R02)
ROCKY MOUNTAIN REGION

PROJECT NAME

**PSICC GAOA VAULT
TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
FORESTS & CIMARRON AND
COMANCHE NATIONAL
GRASSLANDS**

ALL DISTRICTS

DRAWING TITLE

DOUBLE

DATE

03/01/2023

ARCHIVE NO.

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D.LIRA

DWG SHEET NO.

G-12

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D.LIRA

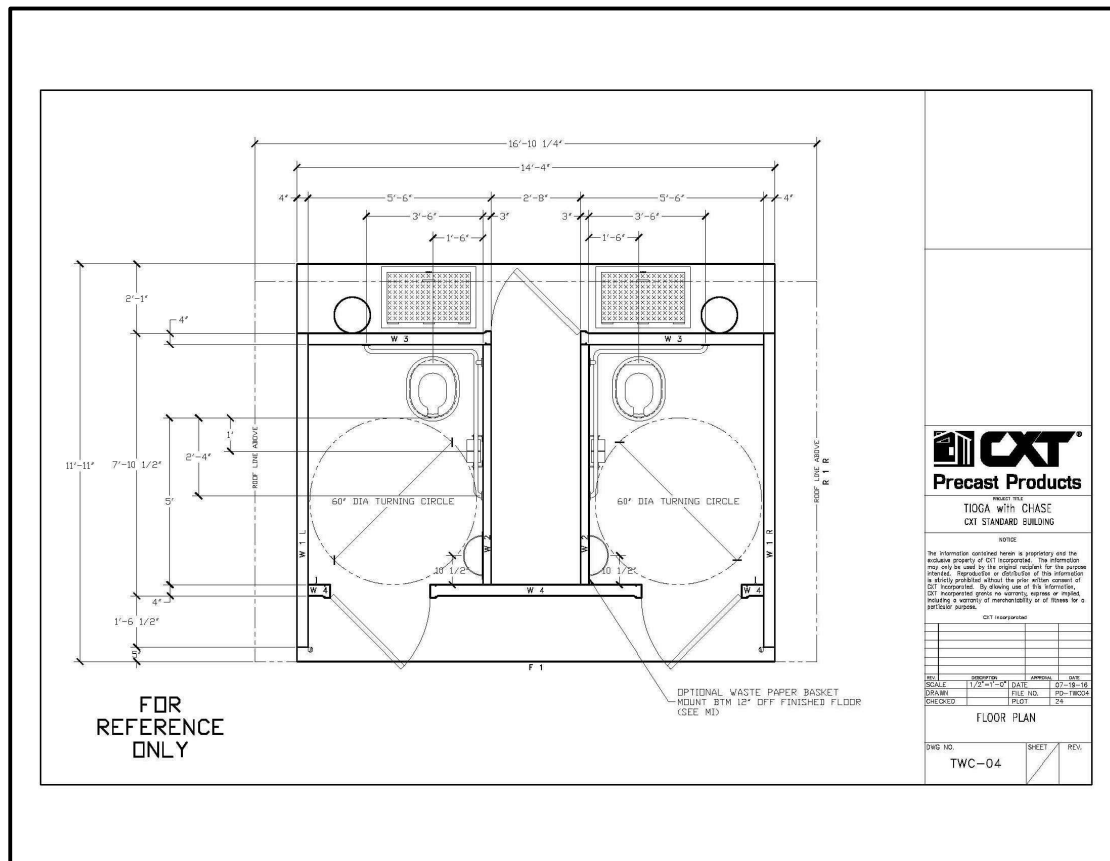
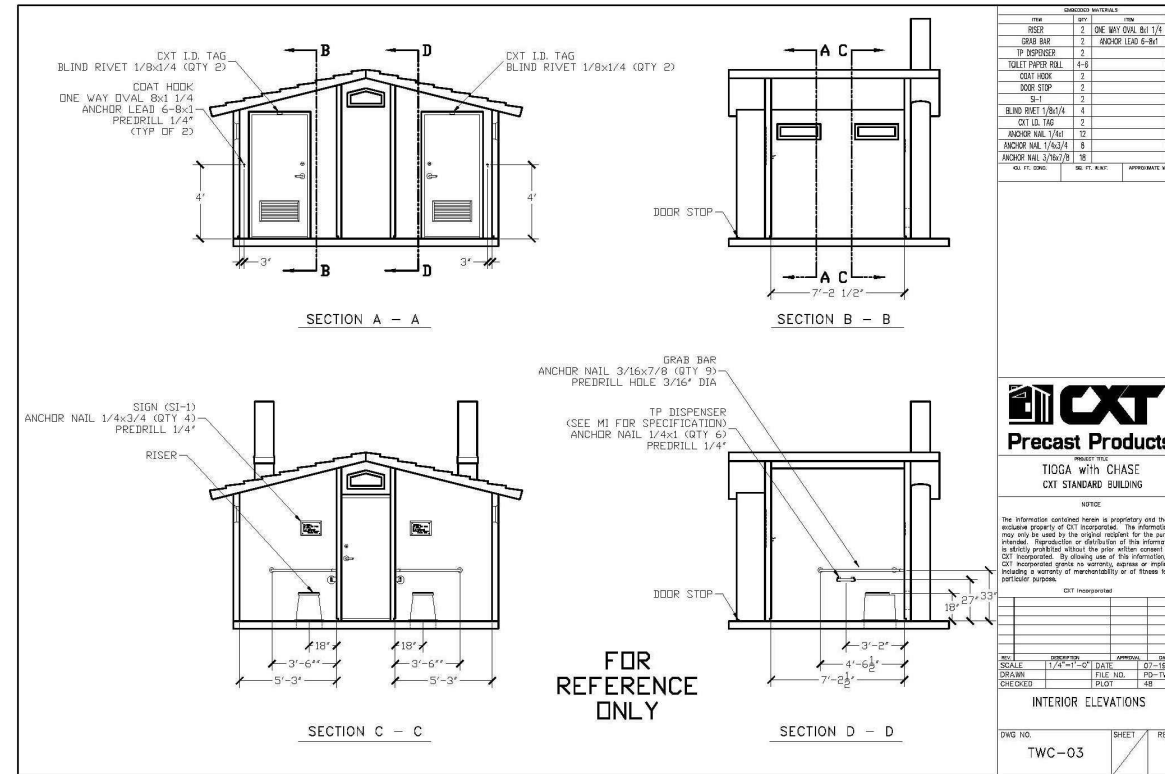
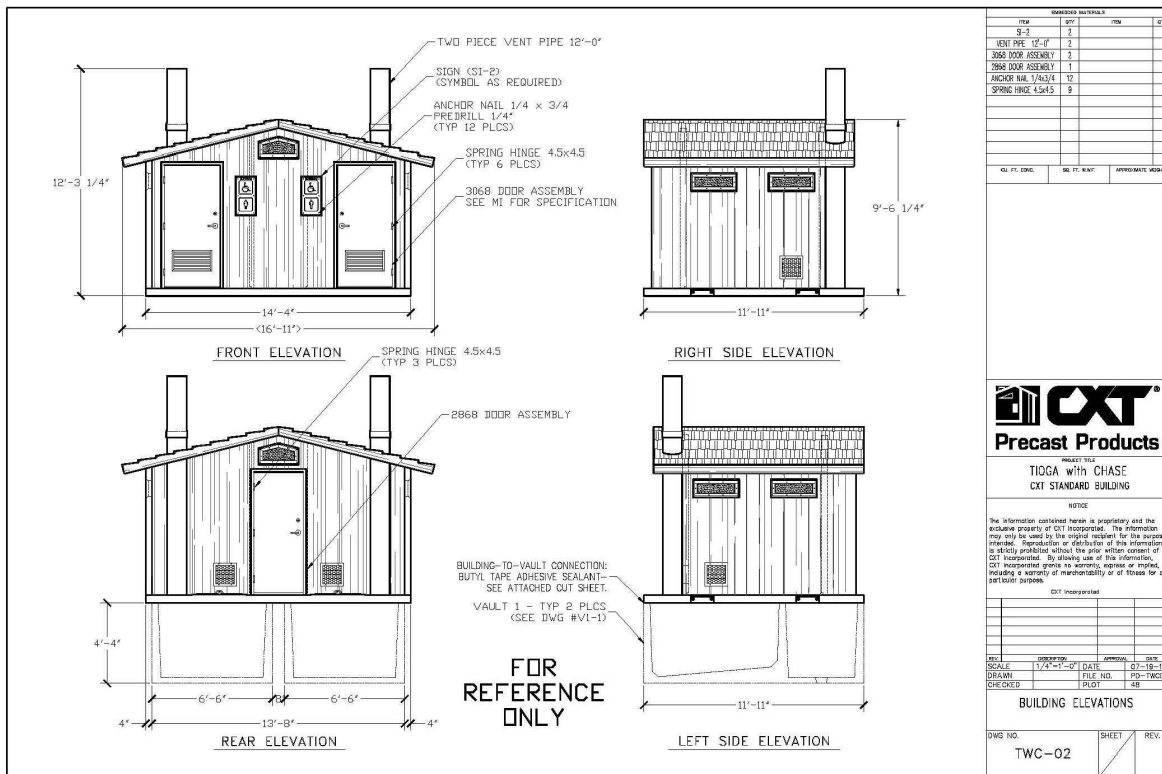
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United States Department of Agriculture
 Forest Service

(R02)
 ROCKY MOUNTAIN REGION

PROJECT NAME
**PSICC GAOA VAULT
 TOILET REPLACEMENT**

**PIKE-SAN ISABEL NATIONAL
 FORESTS & CIMARRON AND
 COMANCHE NATIONAL
 GRASSLANDS**

ALL DISTRICTS

DRAWING TITLE
DOUBLE/CHASE

DATE
03/01/2023

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PROJECT NO.

DWG SHEET NO.
G-13
 SHEET 13 OF 13

Appendix E Flowdown Provisions

NFF Funding Code: 1593095

NFF Funding Name: CCS GAOA Major Vault Toilets

Funder Agreement ID: 23-CS-11021200-010

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