



STATEMENT OF WORK
TITLE: Purge Water Truck Tank Repair

Revision 1
August 02, 2022
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STATEMENT OF WORK

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1.0 INTRODUCTION / BACKGROUND

This contract is issued for the performance of Purge Water Truck Tank Repair Services in support of Central Plateau Cleanup Company (CPCCo) work scope. CPCCo is a prime contractor to the Department of Energy (DOE) and all work on this Statement of Work will be performed in support of the CPCCo contract with DOE.

2.0 DESCRIPTION OF WORK – GENERAL

Contractor employee(s) shall be responsible for independently planning, organizing and performing this task in support of the successful completion of goals and deliverables and in accordance with all provisions of the contract.

3.0 DESCRIPTION OF WORK – SPECIFIC

The work scope for this activity includes the resources, material and/or equipment necessary to accomplish the following Central Plateau Cleanup Contract (CPCC) activities:

The Soil and Groundwater Operations (S&GO) Sampling Organization utilizes Purge Water Trucks to transport groundwater collected during well sampling operations. The two Sterling Purge Water Trucks each include a model #2500 SS Erickson Tank (Serial Numbers 1851 and 1852). The stainless-steel tanks have a 2,500-gallon capacity. The tank system includes exterior mounting brackets, internal stiffener, internal baffles, camlock fittings, waterman valve, manway, sight glass and associated conveying equipment which may require service and/or replacement. Reference Attachment A sketches. These services consist of contractor supplying the necessary resources to support this task.

3.1 Task Description

The work scope for this activity includes the resources, material and/or equipment necessary to accomplish the following CPCCo activities:

Task 1 - Tank System Checks

Perform tank system test, diagnostics, and visual inspection, then prepare/provide a report for each Purge Water Tank. The tank base surfaces and welds shall be sufficiently clean prior to performing the required visual inspections. The following tasks shall be completed and submitted to CPCCo;

- A. Perform, at a minimum, Tank System Checks for Purge Water Tank(s) Visual weld inspection shall be performed by an individual certified as a Certified Welding Inspection (CWI) in accordance with the provision of American Welding Society (AWS) QC1,

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Standard for AWS Certification of Welding Inspectors. System Checks shall include, but not limited to, the following:

- a. Visually inspect the tank exterior; including mounting brackets and exterior welds. The visual inspection shall include any presence of cracks or other indications that could be a potential leak path.
 - b. Visually inspect the tank interior; including internal stiffener, internal baffles and internal welds. The visual inspection shall include any presence of cracks or other indications that could be a potential leak path. The visual inspection shall also include the presence or potential for corrosion.
 - c. Visually inspect 4" male camlock for damage, wear, and leak tightness.
 - d. Visually inspect 2" waterman valve for operation and leak tightness.
 - e. Visually inspect 20" manway and gasket for operation and wear.
 - f. Visually inspect sight glass for damage and leak tightness.
 - g. Visually inspect unloading outlet; including bolted flange, 4" ball valve, 4"x3" reducer and 3" male camlock for damage, wear, and leak tightness.
 - h. Fill tank with water and check for leaks.
- B. Upon completion of tank system checks and visual inspection, perform diagnostics to troubleshoot failed unit and/or associated components to identify why it failed and if it is repairable.
- C. Provide written report of the results from tank system checks, visual inspection and diagnostics, including any required repairs along with a firm, fixed price quote to perform needed repairs.

Task 2 – Minor Repairs (Optional Work)

Perform needed repairs as identified from Task 1. Work must be authorized in advance. Buyer will authorize repair work via change order or formal contract modification. The following tasks shall be completed:

- A. Replace failed component(s) in accordance with sketch Purge Water Truck Tank.
- B. Perform leak tests, if required.
- C. Perform operational testing.

Task 3 – Major Repairs (Optional Work)

Perform needed repairs as identified from Task 1. Work must be authorized in advance. Buyer will authorize replacement work via change order or formal contract modification. The following tasks shall be completed.

- A. Repair tank, including welds. Add reinforcement, as necessary to perform the repairs.
- B. Prepare welding inspection report.

- C. Perform leak tests.
- D. Perform operational testing.

4.0 SPECIAL REQUIREMENTS

There are no special requirements above the terms and conditions of this contract.

4.1 Acceptance Criteria

Work products and services provided shall meet all applicable CPCCo procedures for control and review of work products and pertinent regulatory requirements, as required by this contract and incorporated provisions.

Further specific Acceptance Criteria applicable to this scope includes providing services and proper certification as specified in Sections 4.0 and 5.0.

4.2 Organizational Interfaces

The Contractor shall interface with various CPCCo (and other) organizations through the CPCCo Contract Specialist (or designee), as required. The interfaces are the CPCCo Field Sampling Operations and Engineering organizations.

4.3 Work Not Included

All work is included in accordance with the terms and conditions of this contract.

4.4 CPCCo Furnished Materials and Equipment

The CPCCo will provide the Purge Water Trucks in their current condition to the Contractor. No additional materials and/or equipment will be provided.

4.5 Site Conditions and Known Hazards

Contractor will not require access to the Hanford Site. Radiological hazards are not expected to be encountered during this work activity.

5.0 TECHNICAL REQUIREMENTS

Contractor will perform in accordance with the terms and conditions of this contract, CPCCo internal policies and procedures, and quality assurance provisions, including safety programs, laws, orders, permits, rules, confidentiality of information and intellectual property safeguards.

The qualification of welding procedure specifications shall be in accordance with ASME Boiler and Pressure Vessel Code, Section IX.

5.1 Work Location / Access Requirements (if applicable)

Contractor will not require access to the Hanford Site.

6.0 PERSONNEL REQUIREMENTS

6.1 Training and Qualification

Task specific or unique training or qualifications required for this task includes the following:

- A. Contractor shall ensure that its personnel meet and maintain the appropriate training, qualification, and certification requirements for this task.
- B. The Contractor is expected to provide appropriately trained and qualified staff to perform the type of work associated with their skill of craft.
- C. Personnel shall be trained and qualified for the system checks and repairs required in Section 3.1.

CWI Inspector

- Welding inspector shall be certified in accordance with AWS QC1, *Standard for AWS Certification of Welding Inspectors*.

Welders

- Welders shall be qualified in accordance with ASME Boiler & Pressure Vessel Code (BPVC) IX, *Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators*.

6.2 Security and Badging Requirements

Contractor will not require access to the Hanford Site.

6.3 Site Access and Work Hours

Contractor will not require access to the Hanford Site.

7.0 ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY REQUIREMENTS

The Contractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Contractor shall comply with, and assist CPCCo in complying with Environmental, Safety, Health, and Quality (ESH&Q) requirements of all applicable laws, regulations and directives.

Materials supplied or purchased for use in performance of this contract, to the maximum extent practical, shall be environmentally preferred as described in 40 CFR 247 and including bio-based products as designated by the USDA. www.biopreferred.gov

The following project-specific ESH&Q requirements are applicable to this scope of work in addition to the requirements identified in the contract [General Provisions](#) and, when work is being conducted on site, the additional ESH&Q requirements in [SP-5 Special Provisions – On-Site Services](#).

7.1 Integrated Environment, Safety and Health Management System (ISMS)

The Contractor shall exercise a degree of care commensurate with the work and the associated hazards. The Contractor shall ensure that management of ES&H functions and activities is an integral and visible part of the Contractor’s work planning and execution processes. As a minimum, the Contractor shall:

- Thoroughly review the defined scope of work;
- Identify hazards and ES&H requirements;
- Analyze hazards and implement controls;
- Perform work within controls; and
- Provide feedback on adequacy of controls and continue to improve safety management.

The Contractor shall flow down ESH&Q requirements to the lowest tier subcontractor performing work on the Hanford site commensurate with the risk and complexity of the work. When requested, the Contractor shall submit documented evidence describing how the five bulleted items above and the principles listed in Section 2.1.B of SP-5 are implemented.

7.2 Safety Requirements

Contractor shall be responsible for performing work safely and manage work hazards to ensure work conforms to requirements above.

7.3 Quality Assurance and Control

Contractor shall be responsible for performing quality workmanship and shall conduct the quality control measures necessary to ensure work conforms to requirements above.

7.4 Quality Assurance/Inspection Requirements

The equipment and services described in this SOW are General Services, Quality Level 3.

7.5 Environmental Requirements

Environmental requirements are contained in SP-5, *Special Provisions – On-Site Services*. All on-site work shall be conducted in accordance with these requirements.

The Contractor shall perform work safely in accordance with Integrated Safety Management System (ISMS) and Environmental Management System (EMS) (ISMS/EMS) principles, in a manner that ensures adequate protection for personnel, the public, and the environment, and shall be accountable for the safe performance of the Work. The Contractor shall exercise a degree of care commensurate with the work and the associated hazards.

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The Contractor shall comply with all applicable laws, regulations, and requirements pertaining to the work in this SOW.

8.0 MEETINGS

8.1 Meetings

After contract award, the Contractor shall participate in a Project Kickoff Meeting. This meeting may be a pre-job meeting, a conference call, an internet meeting, or a meeting to be held at the CPCCo's Site. The time, date, and agenda for the meeting will be provided to the Contractor by CPCCo.

9.0 DELIVERABLES, PROJECT CONTROLS, MILESTONES, AND PERFORMANCE SCHEDULE REQUIREMENTS

Contractor shall submit all documents in accordance with the submittal register.

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10.0 SUBMITTAL REGISTER

The Contractor shall meet the required schedule and provide the documents specified in accordance with the following submittals.

| Contract Number and Name: Purge Water Truck Tank Repairs | | | | | | | Revision: 0 | |
|--|--------------------------------|------------------------|-----------------------|--|-----------------------------------|---------------------------|----------------------------------|--|
| 1. No. | 2. Type, and Number of Copies | 3. Technical Submittal | 4. Vendor Information | 5. Description / Document Title | 6. Submittal Date (Calendar Days) | 7. Approver Organizations | 8. CPCCo Review Time (Work Days) | 9. Contract Paragraph or Requirement Reference |
| 1-1 | APW, 2 copies, pdf file. | NO | NO | CWI Certification and Visual Acuity Exam Results | A+5 | S&GO Engineering/BTR | 5 | 6.1.C |
| 1-2 | APW, 2 copies, pdf file. | NO | NO | Welding Procedures and Procedure Qualification Records; Welder Performance Qualification Records | A+5 | S&GO Engineering/BTR | 5 | 6.1.C |
| 1-3 | AP, 2 copies, pdf file. | YES | NO | System check report on Purge Water Truck Tank #1851 | M+5 | S&GO Engineering/BTR | 5 | 3.1 |
| 1-4 | AP, 2 copies, pdf file. | YES | NO | System check report on Purge Water Truck Tank #1852 | M+5 | S&GO Engineering/BTR | 5 | 3.1 |

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1. Typically a numerical sequence (i.e., 1, 2, 3,). However, other numbering systems may also be used.
2. Submittal type, number of copies and format:
 - APW** Approval Required Prior to Work (CPCCo must approve the Contractor's submittal prior to the Contractor being authorized to proceed with any activity/work associated with the submittal)
 - AP** Approval Required (CPCCo must approve the Contractor's submittal, however, work associated with the submittal may proceed prior to CPCCo approval)
 - Format** Describes the type of submittal required (electronic or printed):
 - DWG** An AutoCAD drawing using the Hanford standard formatting (See CHPRC-00263, *Off-Site Vendor Instructions for the Preparation and Control of Engineering Drawing*).
 - MFC** Microsoft Format Compatible application (Word, Excel, Access, PowerPoint)
 - MPP** Microsoft Project Files
 - P6** A Primavera Project Planner schedule
 - GEN** General or Open Format/Media
 - PDF** Adobe Acrobat (Portable Document Format)
3. Technical submittals are Engineering or Quality affecting submittals. A Yes in this column designates the need for formalized comments, and a formalized comment disposition process by the Contractor. Examples of Technical Submittals would include Engineering or Fabrication Drawings, or Certificates of Conformance.
4. Vendor Information for project record purposes.
5. Description / Document Title. Describe submittal.
6. Required submittal date or its relationship to project milestones. Examples are July 14, 2009, or Award + 15 days, Contract Completion +30 days.
 - A** Date of Award
 - CD** Conceptual Design Complete
 - PD** Preliminary Design Complete
 - FD** Final Design Complete
 - M** Mobilization
 - SC** Start of Construction
 - EC** End of Construction



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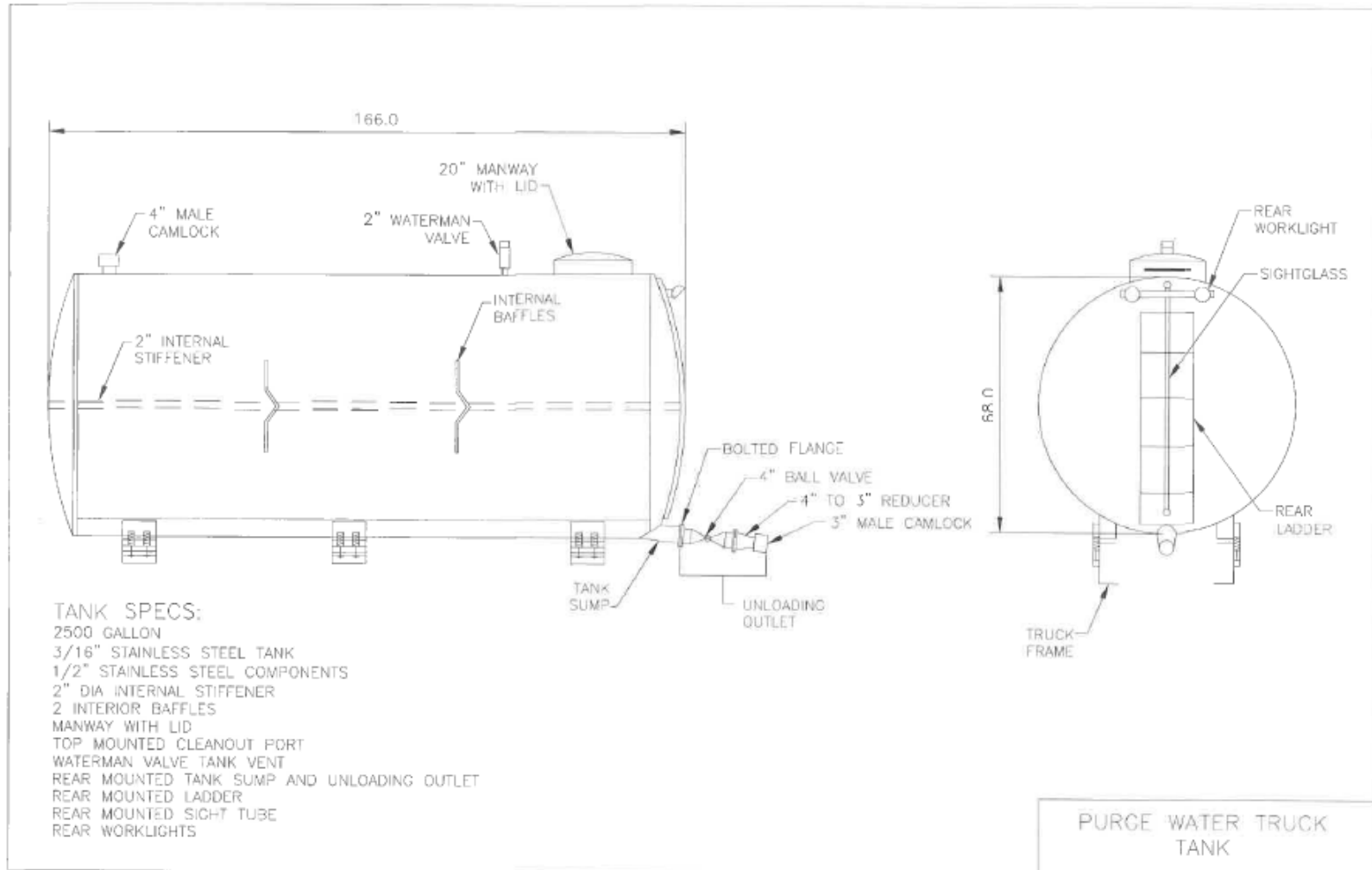
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7. Approver Organization. Examples are Construction Manager, Safety, Quality, Radiation Protection, Waste Management.
8. The number of Workdays required for review of the submittal.
9. Contract Reference: Cross reference to the Contract requirement that defines this submittal:

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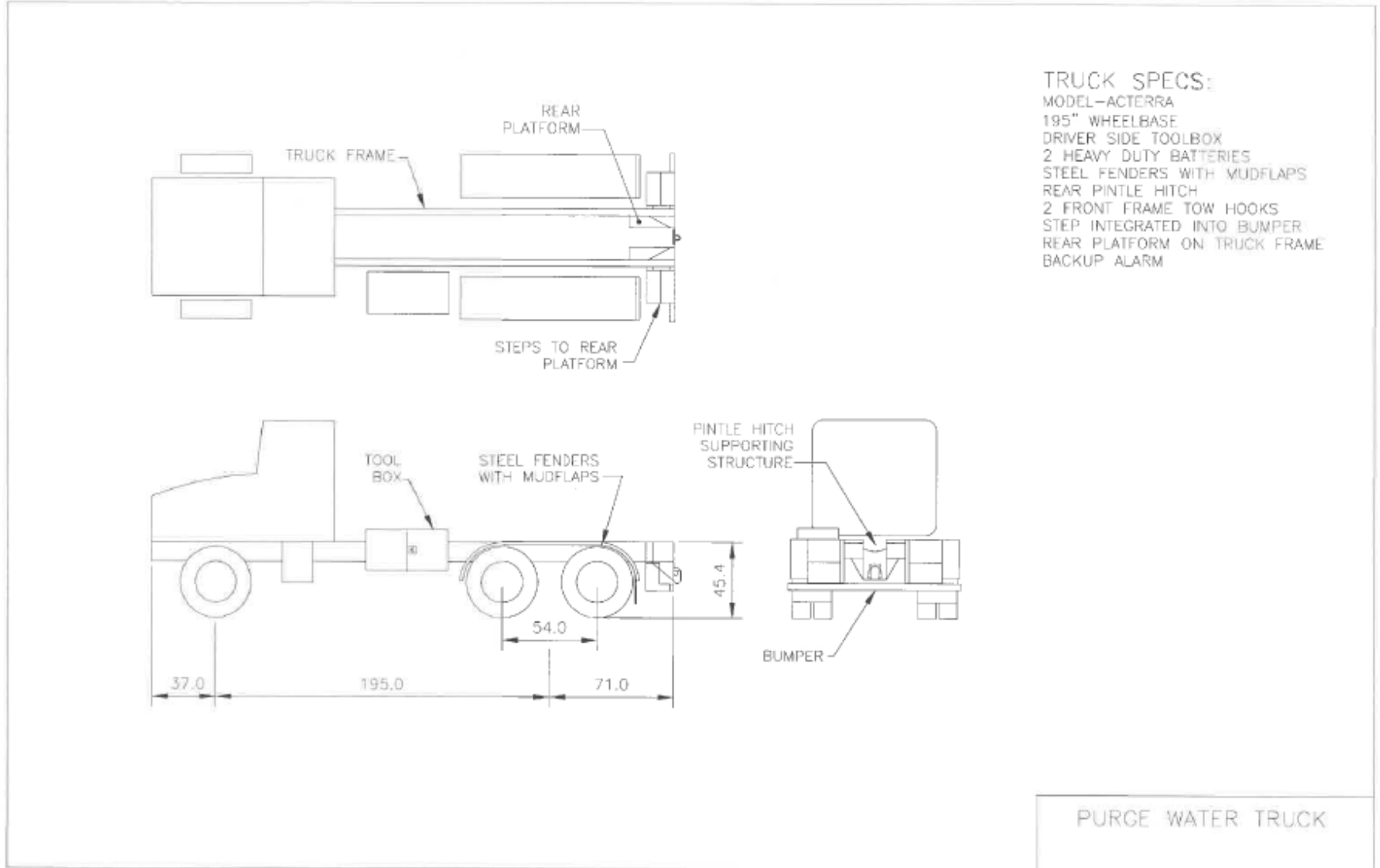
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ATTACHMENT A - SKETCHES



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