LAKE MEAD NATIONAL RECREATION AREA
BOULDER CITY, NEVADA

Lake Mead National Recreation Area
Painting Exterior of Four Park Housing Units at Willow Beach

PROJECT SPECIFICATIONS

NATIONAL PARK SERVICE

December 17, 2023

DIVISION 1 – GENERAL REQUIREMENTS

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SECTION 01 11 00

DIVISION 1 GENERAL REQUIREMENTS

1.1 EXISTING CONDITIONS

Existing Conditions and location of the Housing Unit:
Housing units #307-310 are a double townhouse unit and two single family housing units that were built in the 2000's. Lat/Long 35.874673, -114.650096 (See Drawings 1 and Reference Photos Images).

Physical Address: 307 North Willow Beach Rd, Quarters #307, Willow Beach, AZ 86445

308 North Willow Beach Rd, Quarters #307, Willow Beach, AZ 86445

310 North Willow Beach Rd, Quarters #307, Willow Beach, AZ 86445

1.2 SCOPE OF WORK

A. It is the contractors responsibly to repair any damage to the exterior of the house caused during the renovation process. Contractor shall replace and repair at no additional cost to the government. All repairs and replacements shall match existing.

B. It is highly recommended and in Contractors best interest to take pictures and make notes, updates to the drawings, specifically to the location of all components prior to beginning work.

C. Field Verification: The contractor will field verify existing conditions affecting the work in this contract before ordering materials. The scheduling of field verification site visit(s) shall be coordinated with the Contracting Officer's Representative (COR).

D. The exterior of the houses has not been tested for asbestos. If testing is required, testing shall be coordinated and completed at no additional expense to the government.

1. **Exterior Preparation:** Contractor shall prepare exterior of the housing unit. Also includes, but is not limited to preparing surfaces (e.g. removing loose paint, patching holes, caulking around doors/window trims and there frames. Contractor shall use exterior caulking around the cracks and opening exterior of the housing unit.
2. **Exterior Paint:** Contractor shall only paint what is already painted and use the same color that matches existing. Assigned COR will provide contractor the existing paint colors codes. Contractor shall not deviate or adjust paint color of the exterior of the house. Contractor shall prepare and paint exterior of the housing unit. Including, but not limited to painting metal/wood fascia, soffit, door/window trims, exterior doors, electrical enclosures/panels, downspouts, and gutters. Also includes, but is not limited to preparing surfaces (e.g. removing loose paint, patching holes, caulking around doors/window trims and there frames. Contractor shall use exterior caulking around the cracks and opening exterior of the housing unit.

1.3 FIELD VERIFICATION

The contractor shall field verify existing conditions and quantities affecting the work in this contract before submitting proposals/quotes, ordering materials, and/or commencing work. The scheduling of field verification site visit(s) shall be coordinated through the Contracting Officers Representative (COR).

1.4 PERFORMANCE PERIOD

Performance Period is one hundred twenty **(120)** calendar days after notice to proceed.

Contract Officer Representative: Mark Fiorina, mark_fiorina@nps.gov, (725) 724-2322

Contract Officer:

1.5 GOVERNMENT-FURNISHED ITEMS

A. The Government may furnish products and materials for incorporation into the work.

1. The contractor will arrange and pay for delivery of government furnished items to the project site based on the contractor's approved construction schedule.
2. After delivery, the government will inspect delivered items for damage. If items are damaged, defective, or missing, the government will arrange for replacement.
3. The contractor is responsible for receiving, unloading, and handling government furnished items at project site for use in the work.
4. The contractor is responsible for protecting government furnished items during storage, handling, and the work, including damage from exposure to the elements.
5. If government furnished items are damaged as a result of the contractor's operations, the contractor shall repair or replace the items in-kind.

B. Government-Furnished Items: The government will furnish the following products or materials for use on this contract:

1. None anticipated.

1.6 PUBLIC USE OF THE SITE

A. General: The project site will be closed to the public during construction.

1.7 CONTRACTOR USE OF SITE

A. General: Contractor shall have full use of the site for construction operations during the construction period. Contractor's use of the site is limited only by the Government's right to perform work or to retain other contractors on portions of Project. Limit use of the site during the construction period to the project area limits as outlined on the attached site map. Do not disturb portions of the site beyond the project area limits.

B. Park Entry: The contractor shall furnish a list of personnel with phone contact information. Vehicles associated with the contractor shall be waived entrance fee upon entering in a marked company vehicle or by providing the names of employees entering in personal vehicles. The entrance fee is waived only for the purpose of reporting directly to a specific work location. Any deviation for recreational purposes is subject to payment of required entrance fees.

C. Site Access: The contractor shall access the project site as outlined on the attached site map. Do not drive vehicles off road or access non-project areas without permission from the contracting officer or park superintendent.

D. Park Regulations: Ensure all personnel (contractors, subcontractors, and vendors) entering or working in the park are familiar with and obey all park regulations. Law enforcement rangers will intervene if they perceive any unsafe or unlawful activity.

E. Working Hours: Regular work hours shall be limited to daylight hours from **7:00 a.m. until 5:00 p.m. Monday through Friday**, excluding federal holidays. Work outside regular hours requires approval from the contracting officer and the COR/Housing Program Manager.

1. January 1, New Year's Day
    i. January 1 on Saturday, New Year's Day observed on Friday
    ii. January 1 on Sunday, New Year's Day observed on Monday
2. 3rd Monday in January, Martin Luther King, Jr Birthday
3. 3rd Monday in February, Washington's Birthday (Presidents' Day)
4. 4th Monday in May, Memorial Day

    i. June 19, Juneteenth National Independent Day,

5. July 4, Independence Day
    i. July 4 on Saturday, Independence Day observed on Friday
    ii. July 4 on Sunday, Independence Day observed on Monday
6. 1st Monday in September, Labor Day
7. 2nd Monday in October, Columbus Day
8. November 11, Veterans Day
    i. November 11 on Saturday, Veterans Day observed on Friday
    ii. November 11 on Sunday, Veterans Day observed on Monday
9. 4th Thursday in November, Thanksgiving Day
10. December 25, Christmas Day
    i. December 25 on Saturday, Christmas observed on Friday
    ii. December 25 on Sunday, Christmas observed on Monday

F. No Smoking Policy: Smoking is prohibited inside or outside within 25 feet of any buildings in the park. This applies to existing buildings, buildings under construction, and buildings under renovation. Discarding of tobacco products or debris anywhere other than into designated tobacco receptacles is considered littering and subject to fines.

G. Staging and Storage: Confine storage of equipment and materials to the staging / lay-down / storage areas as established at the preconstruction meeting.

H. Parking: The contractor shall park vehicles and heavy equipment in designated areas for contractor use or as established at the preconstruction meeting. Vehicles are not permitted within long-term or overnight parking along roads or in associated overlooks / pull-outs.

I. Driveways and Entrances: The contractor shall keep driveways and entrances serving the premises clear and available to the government, government employees, and emergency vehicles at all times.

J. Preservation of Natural Features: Prevent damage to natural surroundings. Restored damaged areas and replace damaged trees, vegetation, and grass at no expense to the government.

K. Refer also to Section 01 11 40 Work Restrictions and Section 01 50 00 Temporary Facilities & Controls.

1.8 REFERENCE DOCUMENTS / REPORTS

General: The following reference documents / reports are available upon request to supplement the information specified in the contract documents: N/A.

END OF SECTION 01 11 00

SECTION 01 11 40

WORK RESTRICTIONS

PART 1 – GENERAL

1.1 PARK REGULATIONS

A. General: The Contractor must comply with the following rules and conditions:

1. Ensure personnel (contractors or subcontractors) working in the park become familiar with and obey all park regulations, wear hard hats in designated areas, and do not enter any restricted areas unless required to do so and until cleared for such entry.

2. Ensure equipment is conspicuously marked for identification.

3. The Contractor shall restrict employees / representatives to the work site and control travel directly to and from the work site.

4. Restore all traffic / parking / security signs and markings, including space numbers, designations, and lines, to their original form if such signs / markings are defaced or deleted during construction / repair.

5. Control and provide security of Contractor-owned equipment and materials at the work site. Report immediately missing / lost / stolen property to the park dispatch / law enforcement rangers at 702-293-8998 (non-emergency).

6. Vehicles associated with the Contractor shall be waived the entrance fee upon entering in a marked company vehicle or by providing the names of employees entering in personal vehicle(s). Please note that the entrance fee is waived only for the purpose of reporting directly to a specific work location. Any deviation for recreational purposes is subject to payment of required entrance fees.

    a. Contractor will provide the Contracting Officer with a listing of its subcontractors and their associated vehicles and employees entering the park on a daily basis.

    b. Contractor will provide the Contracting Officer with a listing of anticipated deliveries for each week.

7. Vehicles / Heavy Equipment:

    a. Rules of the Road: All vehicles and heavy equipment will comply with posted traffic regulations, including speed limits and double-yellow center lane markings. Vehicles and heavy equipment shall take every safe opportunity to use paved roadside pullouts in order to allow faster moving traffic to pass. Failure to comply with traffic regulations will result in a citation being issued to the driver.

b. Vehicle Parking: Vehicles are not permitted within long-term or overnight parking along park roads or in associated overlooks / pullouts. Vehicles and heavy equipment will be permitted at designated parking areas only.

c. Vehicle Exhaust: All vehicles will be properly maintained to insure that the exhaust produced is within legal limits. Effects of excessive vehicle exhaust may be subject to enforcement of State and Federal laws regarding emissions as well as those regarding threatened and endangered species.

d. Spills: Contractor shall be responsible for any cleanup efforts required in accordance with 40 CFR and all applicable state environmental quality laws regarding disposal and cleanup of hazardous / industrial wastes. Contractor must immediately notify the Contracting Officer of spills.

e. Commercial Vehicle Safety Inspections: The Contractor, employees, contractors, and subcontractors shall fully cooperate regarding safety inspections of commercial vehicles within the Park. Commercial vehicle safety inspections are conducted unannounced for employee and visitor safety. Vehicles are checked for safety and mechanical deficiencies and for compliance with current state and federal laws and regulations. Driver licenses and medical certificates are also checked.

f. DOT Compliance: All vehicles are to be compliant with all DOT requirements including but not limited to driver with appropriate license class, medical examiner card as appropriate with license class, carrying three (3) triangles or three (3) flares, mounted fire extinguisher, and valid DOT safety sticker.

g. Slow Vehicles: The Contractor is to notify the Contracting Officer of slow vehicles that may cause traffic delays or extended traffic lines. Vehicles that are slow are requested to enter the Park AFTER 2:00 p.m. and exit the Park BEFORE sunset.

h. Oversized Vehicles: Oversized vehicles are defined as vehicles where the width of the vehicle or load exceeds one lane (i.e., beyond the center line of the paved road). Oversized vehicles must not exceed the clearances along the Park road corridor. Oversized vehicles will require an escort and drivers must avoid driving on the edges of the Park road. The Contractor is to notify the Contracting Officer of oversized vehicles, scheduled dates and estimated arrival times at the park entrance, and the identity of who is escorting the vehicle (e.g., police, contractor, etc.). Vehicles that are oversized are requested to enter the Park AFTER 2:00 p.m. and exit the Park BEFORE sunset.

i. Road Work: Contractor shall provide adequate traffic control, including flaggers on either side of any work performed on the road. Any workers on or near the road must wear highly visible, bright clothing. (See Section 01 50 00 for additional details).

j. Law Enforcement: Law enforcement rangers will intervene if they perceive any unsafe or unlawful activity. Contractor must immediately comply with any instructions issued by a park law enforcement ranger.

k. Road & Weight Restrictions: All vehicle load, weight and size limitations, as established by State law, apply to vehicles operated on the Park road (36 CFR § 4.11).

No loads heavier than the current load rating for the historic Park bridge will be permitted.

8. Emergency Medical and Accident Reporting:

   a. The Contractor or subcontractor shall contact Park Dispatch for any medical emergency or traffic accident occurring within the Park.
   Emergency number: Dial 911 as needed.

   Park Dispatch: 702-293-8932 (emergency)

   Park Dispatch is called so that the entrance station will be prepared should any emergency vehicles (e.g. ambulance) need to enter the Park and so that any available Emergency Medical Services personnel in the Park might respond until such time as the ambulance arrives.

   b. The Contractor or subcontractor is required to report ANY personal injury and / or property damage incident occurring within the park. This report must be made to a Law Enforcement Ranger at the first available opportunity <u>before</u> leaving the park:

   Park Dispatch: 702-293-8998 (non-emergency)

1.2 RESOURCE PROTECTION

A. General: The park is committed protecting natural and cultural resources found within the park and adjacent lands. The Contractor must comply with the following rules and conditions:

1. Invasive Species: The introduction of non-native invasive species can threaten rare and endangered species or can create new populations of non-native species not traditionally found in the park. The contractor is required to inform personnel, subcontractors, and vendors to thoroughly clean all vehicles, equipment, tools, supplies, and materials prior to packing / loading. The park requires, and will perform, inspections to ensure non-transport of non-native species PRIOR to arriving at the park entrance. Contact the resource staff directly at 702-293-8734 or 702-293-8849 at least (3) three business days in advance of park entry to arrange for inspection(s) at the loading dock or point of origin.

2. Endangered Species: Endangered species are protected by Federal law. Obey all park regulations. Drivers must obey all traffic laws and keep an eye out for animals on or alongside road. Contact park dispatch at 702-293-8998 immediately if animal is hit or injured or will not move off of the road. All contractor personnel working in Lake Mead National Recreation Area must have up-to-date Lake Mead desert tortoise awareness training. Prior to starting work, contact the resource staff directly at 702-293-8734 or 702-293-8849 at least three (3) business days in advance to schedule the desert tortoise awareness training.

3. Archaeological Resources: Archaeological resources are physical evidences of past human activity, including evidences of the effects of that activity on the environment. Archaeological resources are found above and below ground and underwater. The contractor shall appoint an archaeological monitor during all ground-disturbing activities in archaeological sensitive areas. If the monitor discovers resources, the contractor shall stop work or relocate work to a non-sensitive area and contact the contracting officer immediately. Archaeological resources typically found in the park or at the project site will be discussed further at the preconstruction meeting.

4. Soundscape / Noise: The contractor shall minimize noise levels at the project site to protect the soundscape of the park. Perform noise-producing work in less sensitive hours of the day or week or as directed by the contracting officer.

END OF SECTION 01 11 40

SECTION 01 27 00

DEFINITION OF CONTRACT PRICE ITEMS

PART 1 – GENERAL

8.1 LIST OF CONTRACT LINE ITEMS

A. Contract Price Item No. 19 - Exterior Paint

1. This price item consists of all necessary material, labor, and equipment required to paint the exterior of houses 307, 308, and 310. All equipment and materials shall be transported and legally disposed of off-site.
2. No separate measurement will be made.
3. Payment will be made at the contract unit price.

END OF SECTION 01 27 00

SECTION 01 31 00

PROJECT MANAGEMENT & COORDINATION

PART 1 – GENERAL

1.1 SUBMITTALS

A. Division 01 documents: The following items shall be submitted a minimum of one week prior to the Preconstruction Conference. Contracting Officer will notify Contractor of tentative date for the Pre-Construction Conference.

1. Letter designating Project Superintendent.
2. Construction Schedule.
3. A comprehensive breakdown of the Schedule of Values.
4. Accident Prevention Plan.
5. A list of Subcontractors for this project.
6. Written statements from subcontractors certifying compliance with applicable labor standard clauses.
7. Satisfactory evidence of liability insurance coverage and workman's compensation for the Contactor and all subcontractors.

B. All items listed must be provided to the Contracting Officer before the Pre-Construction Conference is held. If all of these documents have not been received one week prior to the scheduled Pre-Construction Conference date, the conference will be cancelled, Notice to Proceed will not be issued, and the Contracting Officer will consider other contractual remedies. Work shall not commence until written Notice to Proceed has been issued

1.2 REQUESTS FOR INFORMATION (RFIs)

A. General: On discovery of the need for additional information or interpretation of the Contract Documents, the Contractor shall prepare and submit an RFI utilizing the form designated by the Contracting officer.

1. Contracting Officer will not respond to RFIs submitted by other entities controlled by Contractor.
2. Coordinate and submit RFIs in a prompt manner to avoid delays in the work.

B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:

1. RFI number, numbered sequentially.
2. Date.
3. RFI subject.
4. Specification Section number and title and related paragraphs, as appropriate.
5. Drawing number and detail references, as appropriate.
6. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.

7. Contractor's signature.
8. Requested date for response.
9. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
    a. Include dimensions, thicknesses, and details of affected materials, assemblies, and attachments on attached sketches.

C. Contracting Officer's Action: Contracting Officer will review each RFI, determine action required, and respond. Contracting Officer will determine the critical nature of each RFI and issue a response accordingly.

1. The following are not considered to be RFIs and will receive no action:
    a. Requests for approval of submittals.
    b. Requests for approval of substitutions.
    c. Requests for approval of Contractor's means and methods.
    d. Requests for coordination information already indicated in the Contract Documents.
    e. Requests for adjustments in the Contract Time or the Contract Sum.
    f. Requests for interpretation of Architect's actions on submittals.
    g. Incomplete RFIs or inaccurately prepared RFIs.

2. Contracting Officer's action may include a request for additional information, in which case time for response will date from time of receipt of additional information.

3. Contracting Officer's action on RFIs may result in the need for a change to the Contract Time or the Contract Sum. All contract changes will be processed following the terms and conditions of the contract.

END OF SECTION 01 31 00

Project:

Contract No.: **Date:** **To:**

SECTION 01 32 16

CONSTRUCTION SCHEDULE

PART 1 - GENERAL

1.1 SUMMARY

A. This Section consists of Construction Schedule requirements including but not limited to the following:

1. Schedule of Values
2. Construction Schedule Requirements.
3. Construction Schedule Updates.

B. Purpose: The purpose of the Construction Schedule is to ensure adequate planning, coordination, scheduling, and reporting during execution of the work by the Contractor. The Construction Schedule will assist the Contractor and Contracting Officer in monitoring the progress of the work, evaluating proposed changes, and processing the Contractor's monthly progress payment.

1.2 SUBMITTALS

A. Schedule of Values: After contract award and before the Pre-Construction conference submit a schedule of dollar values based on the Contract Price Schedule.

B. Construction Baseline Schedule: After contract award and before the Pre-Construction conference, submit a baseline schedule, large enough to show entire schedule for entire construction period.

C. Construction Schedule Updates: Prior to the progress payment request date, submit estimates of the percent completion of each schedule activity and necessary supporting data.

1.3 COORDINATION

A. Coordinate Construction Baseline Schedule with the Schedule of Values, list of subcontracts, payment requests, and other required schedules and reports.

PART 2 - PRODUCTS

2.1 SCHEDULE OF VALUES

A. Breakdown each lump-sum item into component work activities used in the schedule, for which progress payments may be requested. The work activities broken out within the schedule of values shall be integrated into and made a logical part of the construction baseline schedule submitted under this specification. The total costs for the component work activities shall equal the contract price for that lump-sum item. The Contracting Officer may request data to verify accuracy of dollar values. Include mobilization, general condition costs, overhead and profit in the total dollar value of unit price items and in the component work activities for each lump-sum item. Do not include mobilization, general condition costs, overhead or profit as a separate item.

B. Do not break down unit price items. Use only the contract price for unit price items.

C. The total cost of all items shall equal the contract price. The Schedule of Values will form the basis for progress payments.

D. An acceptable Schedule of Values shall be agreed upon by the Contractor and Contracting Officer before the first progress payment is processed.

2.2 CONSTRUCTION SCHEDULE REQUIREMENTS

A. Construction Baseline Schedule: Prepare Construction Baseline Schedule using computerized scheduling software.

1. Construction Baseline Schedule shall show submittal review, construction start date, work activities / staff resources, activity durations, major milestones, inspection dates, closeout activities, and project end date.

2. Establish procedures for updating Construction Baseline Schedule and for reporting progress. Coordinate procedures with progress meeting and payment request dates.

3. Contracting Officer may request an updated Construction Schedule at any time to confirm progress of the work.

END OF SECTION 01 32 16

SECTION 01 33 23

SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 GENERAL SUBMITTAL PROCEDURES

A. Identify and incorporate information in each submittal file as follows:

1. CM-16 Transmittal Form: All submittals shall be transmitted using National Park Service form CM-16 form, attached to the end of this specification section. No action will be taken on a submittal item unless accompanied by the CM-16 transmittal form. Complete the general information at the top of the form.
   a. Provide all required information based on the submittal type
   b. Attach all related documents.
   c. Sign the CM-16 form in the contractor section at the bottom of the form.

2. Physical samples: Complete the CM-16 form as outlined above, and email the sample to the COR (or designee) or on site for processing. All comments and actions will be documented on the CM-16 form.

1.2 ACTION SUBMITTALS

A. Exterior Paint Color – TOTAL of two (2) to pick from

END OF SECTION 01 33 23

SECTION 01 35 23

SAFETY REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. General: This section includes establishing an effective accident prevention program and providing a safe environment for all personnel and visitors.

1.2 SUBMITTALS

A. Accident Prevention Plan: After contract award and before the Pre-Construction conference, submit for review an Accident Prevention Plan. The COR will review the proposed plan. If the plan requires any revisions or corrections, the Contractor shall resubmit the Plan within ten (10) days. No progress payments will be made until the Plan is accepted.

1.3 QUALITY ASSURANCE

A. Comply with contract clauses entitled Accident Prevention and Permits and Responsibilities. In case of conflicts between Federal, State, and local safety and health requirements, the most stringent shall apply. Equipment or tools not meeting OSHA requirements will not be allowed on the project sites. Failure to comply with the requirements of this section and related sections may result in suspension of work.

B. Qualifications of Employees:

1. All employees must be physically qualified and able to perform their assigned duties in a safe manner.

2. Do not allow employees to perform work whose ability or alertness is impaired because of prescription or illegal drug use, fatigue, illness, intoxication, or other conditions that may expose themselves or others to injury.

3. Operators of vehicles, hoisting equipment, and hazardous plant equipment shall be able to understand signs, signals, and operating instructions, and be fully capable of operating such equipment. Provide operating instructions for all equipment. Newly hired operators shall be individually tested by an experienced operator or supervisor to determine if they are capable of safely operating equipment.

1.4 ACCIDENT REPORTING

A. Reportable Accidents: A project reportable accident is defined as death, occupational disease, traumatic injury to employees or the public, fires, and property damage by accident in excess of one hundred dollars ($100). Notify Contracting Officer immediately in the event of a reportable accident. Within seven (7) days of a reportable accident, fill out and forward to Contracting Officer an Accident/Property Damage Report (Form CM-22). Form may be obtained from the Contracting Officer.

PART 2 - PRODUCTS

2.1 ACCIDENT PREVENTION PLAN

A. The Plan shall be written to comply with OSHA and project requirements (a generic plan is not acceptable) including but not limited to the following:

1. Name of responsible supervisor to carry out the program.
2. Weekly and monthly safety meetings.
3. First aid procedures.
4. Outline of each phase of the work, the hazards associated with each major phase, and the methods proposed to provide for property protection and safety of the public, National Park Service personnel, and Contractor's employees. Identify the work included under each phase.
5. Training, both initial and continuing.
6. Planning for possible emergency situations, such as floods, fires, cave-ins, slides, explosions, power outages, and wind storms. Such planning shall take into consideration the nature of construction, site conditions, and degree of exposure of persons and property.

2.2 FIRST AID FACILITIES

A. Provide adequate facilities for the number of employees and the hazards associated with the types of ongoing construction work at the site.

2.3 PERSONNEL PROTECTIVE EQUIPMENT

A. Meet requirements of applicable ANSI standards.

PART 3 - EXECUTION

3.1 EMERGENCY INSTRUCTIONS

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

3.2 FIRE AND LIFE SAFETY

A. Comply with the requirements of NFPA 241 (Standard for Safeguarding Construction, Alteration, and Demolition Operations).

B. Store hazardous materials in accordance with manufacturer's and OSHA recommendations. Maintain readily available, on site, MSDS for each chemical.

1. Immediately report all spills of hazardous materials to the park.
2. Maintain a spill emergency response kit.

3.3 PROTECTIVE EQUIPMENT

A. Inspect personal protective equipment daily and maintain in a serviceable condition. Clean, sanitize, and repair personal items, as appropriate, 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.

B.

3.4 SAFETY MEETINGS

A. As a minimum, conduct weekly fifteen (15) minute toolbox safety meetings. These meetings shall be conducted by a foreman or supervisor and attended by all construction personnel at the worksite. Topics need to coincide with work scheduled for the following week.

B. Conduct monthly safety meetings for all levels of supervision. Meetings shall be attended by all contractors and subcontractors performing work on the site. Notify the Contracting Officer of meeting dates and times. These meetings shall be used to review the effectiveness of the Contractor's safety effort, to resolve current health and safety problems, to provide a forum for planning safe construction activities, and for updating the Accident Prevention Plan. The Contracting Officers Representative will attend the meeting and enter the results of the meetings into the daily log.

3.5 HARD HATS AND PROTECTIVE EQUIPMENT AREAS

A. A hard hat area shall be designated by the Contractor. The hard hat area shall be posted by the Contractor in a manner satisfactory to the Contracting Officer.

B. It is the Contractor's responsibility to require all those working on or visiting the site to wear hard hats and other necessary personal protective equipment at all times. As a minimum, provide six (2) six hard hats for use by visitors.

3.6 TRAINING

A. First Aid: Provide adequate training to an adequate number of personnel 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.

END OF SECTION 01 35 2

SECTION 01 50 00

TEMPORARY FACILITIES & CONTROLS

PART 1 - GENERAL

1.1 TEMPORARY FACILITIES AND CONTROLS

A. General: The contractor is not allowed to set up temporary facilities and controls.

1. Temporary Utilities: The following utilities are available for use at the project site:

a. Electrical Power Service: Electrical power service is available from facilities at or near the project site for use on the contract without charge. Provide all connections and extensions of services in a safe manner in compliance with NEC, NEMA, and UL standards and regulations.

b. Water Service: Water service is available from the house only. Provide all connections and extensions of services with proper backflow prevention devices in compliance with AWWA standards and local regulations.

c. Sanitary Facilities: Restrooms are available from facilities at or near the project site for use on the contract without charge. (Campground or you may use the house #201)

2. Temporary Sheds of Field Offices: The construction of temporary sheds, field offices, or structures will not be allowed at the project site.

3. Site Enclosure Fence: For uncontrolled sites, the contractor shall construct an enclosure fence, barrier, or partition to prevent people and animals from entering the site except by gates / doors.

4. Traffic Controls: The contractor shall erect and maintain barricades, danger signals, and warning signs in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), 2009 edition. The contractor shall provide adequate traffic control, including flaggers or either side of any work performed in the road. Any workers on or near the road must wear highly visible, bright clothing.

END OF SECTION 01 50 00

SECTION 01 73 40

EXECUTION

PART 3 - EXECUTION

3.1 EXAMINATION

A. Existing Conditions: The existence and location of site improvements, utilities, and other construction indicated as existing are not guaranteed.

1. Before beginning work, investigate and verify the existence and location of systems, utilities, and other construction affecting the Work.
2. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.
3. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
4. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.

3.2 PREPARATION

A. Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

C. Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of the Contractor, submit a request for information to the Contracting Officer in accordance with Division 01 Specification 01 31 00 Project Management and Coordination.

3.3 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.
2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
3. Conceal pipes, ducts, and wiring in finished areas, unless otherwise indicated.

B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.

C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.

D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.

E. Tools and Equipment: Do not use tools or equipment that produce harmful noise levels.

F. Anchors and Fasteners: Provide anchors and fasteners as required to anchor each component securely in place, accurately located and aligned with other portions of the Work.

G. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.

H. Hazardous Materials: Use products, cleaners, and installation materials that are not considered hazardous.

3.4 PROGRESS CLEANING

A. General: Clean Project site and work areas daily, including common areas. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.

B. Site: Maintain Project site free of waste materials and debris.

C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

1. Remove liquid spills promptly.
2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.
3. Contractor shall provide progress cleaning that minimizes sources of food, water, and harborage available to pests.

D. Concealed Spaces: Remove debris from concealed spaces before enclosing the space.

E. 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.

F. Limiting Exposures: Supervise construction operations to assure that no part of the construction completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

G. Final Cleaning: At completion of Work, remove all remaining waste materials, rubbish, tools, equipment, machinery and surplus materials, and clean all exposed surfaces; leave Project clean and ready for occupancy.

3.5 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.

B. Restore permanent facilities used during construction to their specified condition.

C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

D. Repair components that do not operate properly. Remove and replace operating components that cannot be repaired.

E. Remove and replace chipped, scratched, and broken glass or reflective surfaces.

END OF SECTION 01 73 40

SECTION 01 74 19

CONSTRUCTION WASTE MANAGEMENT & DISPOSAL

PART 1 – GENERAL

1.1 DISPOSAL OF WASTE

A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.

1. Except as otherwise specified, do not allow waste materials that are to be disposed of to accumulate on-site.
2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

B. Burning: Do not burn waste materials.

C. Disposal: Transport waste materials off Government's property and legally dispose of them.

END OF SECTION 01 74 19

SECTION 01 77 00

CLOSEOUT PROCEDURES

PART 1 – GENERAL

1.1 CLOSEOUT SUBMITTALS

F. Submit the following before requesting final inspection:

1. Submit (1) copies of operation and maintenance manual with a preventative maintenance schedule, product cut sheets, specific warranties, guarantees, workmanship bonds, final certifications, and similar documents.

2. Posted Operating Instructions: Furnish operating instructions attached to or posted adjacent to equipment. Include wiring diagrams, control diagrams, control sequence, start-up, adjustment, operation, lubrication, shut-down, safety precautions, procedures in the event of equipment failure, and other items of instruction recommended by the manufacturer.

3. Deliver tools, spare parts, extra materials, and similar items to location designated by Contracting Officer. Label with manufacturer's name and model number where applicable.

4. Instruct NPS personnel in the basic operation, adjustment, and maintenance of products, equipment, and systems.

1.2 SUBSTANTIAL COMPLETION AND FINAL INSPECTION

A. When project, or designated portion of project, is substantially complete, request in writing a final inspection. Upon receipt of written request that project is substantially complete, the Contracting Officer will proceed with inspection within ten (10) days of receipt of request or will advise the Contractor of items that prevent the project from being designated as substantially complete.

B. If, following final inspection, the work is determined to be substantially complete, Contracting Officer will prepare a Punch List to be corrected before final acceptance and issue a Letter of Substantial Completion. Contractor shall complete the work described on the Punch List within thirty (30) calendar days. If the Contractor fails to complete the work within this time frame, the Contracting Officer may either replace or correct the work with an appropriate reduction in the contract price or charge for re-inspection costs in accordance with the Inspection of Construction clause of the contract.

C. If, following final inspection, the work is not determined to be substantially complete; Contracting Officer will notify Contractor in writing. After completing work, Contractor shall request a new final inspection. All re-inspection costs may be charged against the Contractor in accordance with the Inspection of Construction clause of the contract.

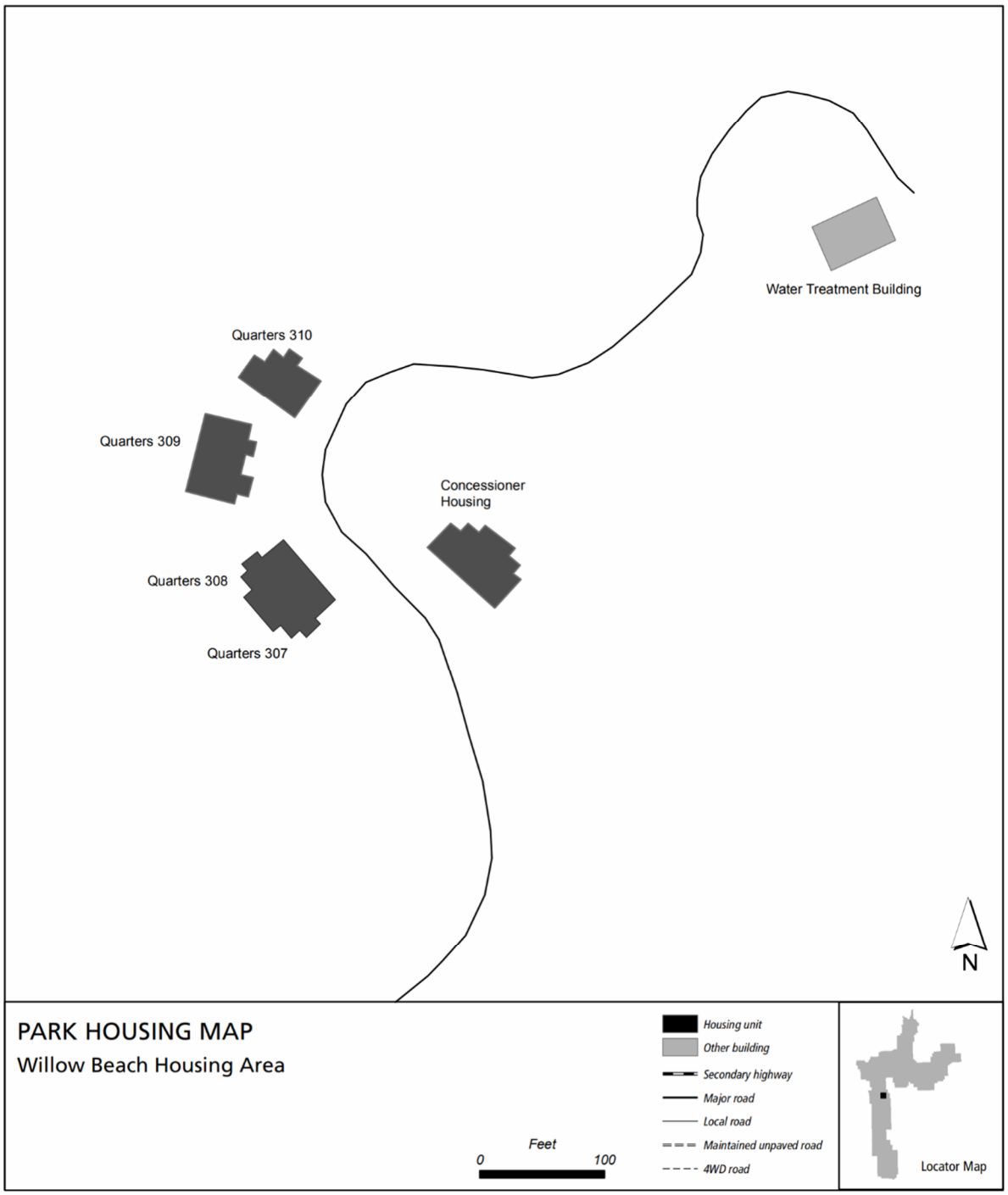
1.3 FINAL ACCEPTANCE OF THE WORK

A. After all deficiencies have been corrected, a Letter of Final Acceptance will be issued.

END OF SECTION 01 77 00

Lake Mead National Recreation Area
Arizona/Nevada

National Park Service
U.S. Department of the Interior



Quarter 307:

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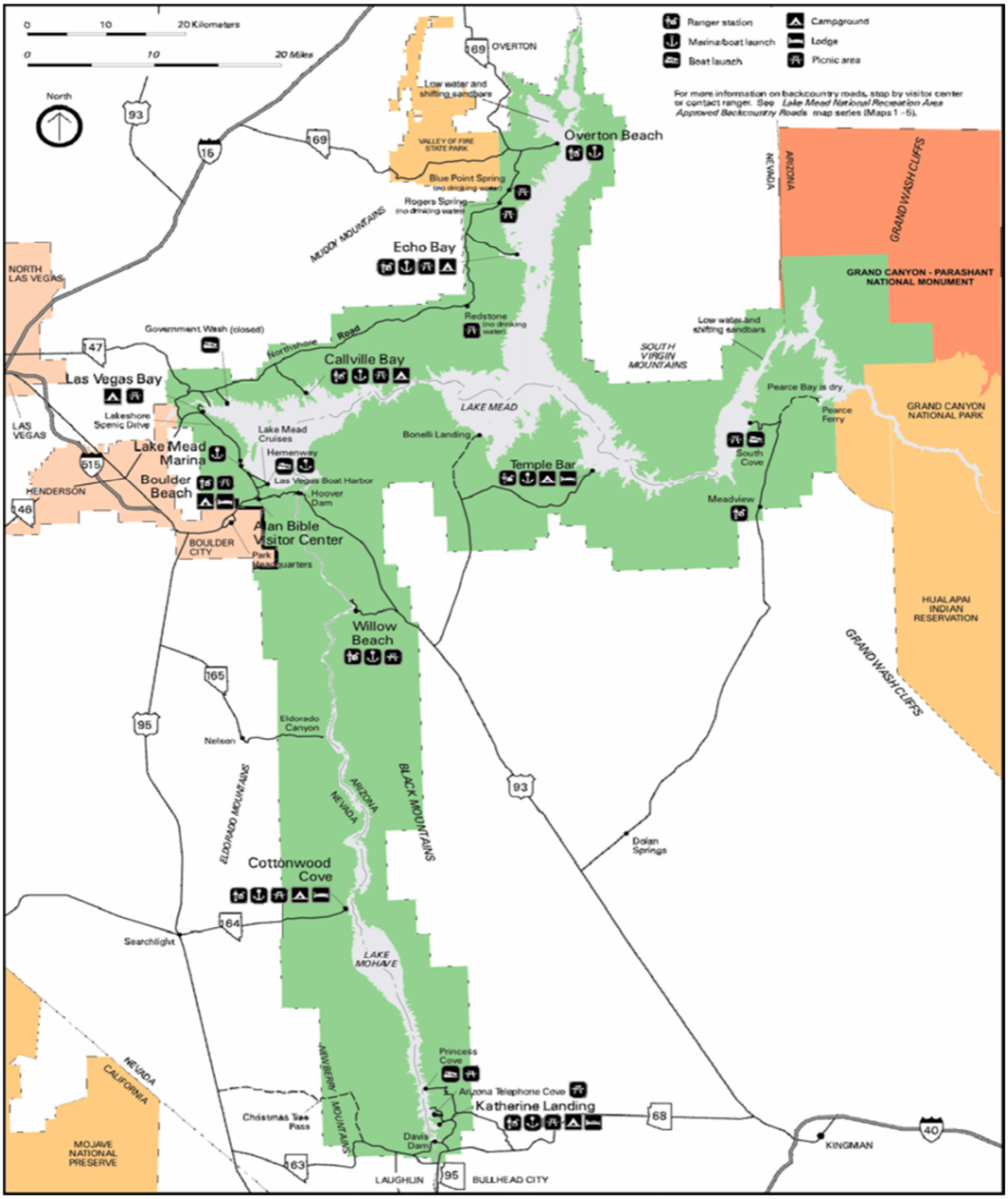
0 10 20 Kilometers
0 10 20 Miles
North
Ranger station
Marina/boat launch
Boat launch
Campground
Lodge
Picnic area
For more information on backcountry roads, stop by visitor center or contact ranger. See Lake Mead National Recreation Area Approved Backcountry Roads map series (Maps 1 - 5).
OVERTON
Low water and shifting sandbars
VALLEY OF FIRE STATE PARK
Overton Beach
Blue Point Spring (no drinking water)
Rogers Spring (no drinking water)
MUDDY MOUNTAINS
Echo Bay
NORTH LAS VEGAS
Government Wash (closed)
Northshore Road
Redstone (no drinking water)
Callville Bay
Las Vegas Bay
Lakeshore Scenic Drive
LAS VEGAS
Lake Mead Cruises
Hemenway
Lake Mead Marina
Boulder Beach
HENDERSON
Las Vegas Boat Harbor
Hoover Dam
Alan Bible Visitor Center
BOULDER CITY
Park Headquarters
LAKE MEAD
Bonelli Landing
Temple Bar
SOUTH VIRGIN MOUNTAINS
Low water and shifting sandbars
Pearce Bay is dry
Pearce Ferry
South Cove
Meadview
NEVADA
ARIZONA
GRAND WASH CLIFFS
GRAND CANYON - PARASHANT NATIONAL MONUMENT
GRAND CANYON NATIONAL PARK
HUALAPAI INDIAN RESERVATION
GRAND WASH CLIFFS
Willow Beach
Eldorado Canyon
Nelson
ELDORADO MOUNTAINS
ARIZONA
NEVADA
BLACK MOUNTAINS
Dolan Springs
Cottonwood Cove
Searchlight
LAKE MOHAVE
Princess Cove
Arizona Telephone Cove
Katherine Landing
ARIZONA
NEVADA
CALIFORNIA
Christmas Tree Pass
MOUNTAINS
Davis Dam
LAUGHLIN
BULLHEAD CITY
KINGMAN
MOJAVE NATIONAL PRESERVE
93
15
169
147
615
146
95
165
164
68
40
163