SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL PRODUCTS AND COMMERCIAL SERVICES

NOTE: OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24 & 30

1. REQUISITION NUMBER
F369132-26-2000049

PAGE 1 OF 211

2. CONTRACT NUMBER

3. AWARD/EFFECTIVE DATE

4. ORDER NUMBER

5. SOLICITATION NUMBER
36C78626R50138

6. SOLICITATION ISSUE DATE
06/12/2026

7. FOR SOLICITATION INFORMATION CALL:

a. NAME
Ralph Crum

b. TELEPHONE NUMBER (*No collect calls*)

8. OFFER DUE DATE / LOCAL TIME
07/13/2026
17:00 PT

9. ISSUED BY
NATIONAL CEMETERY ADMIN (786)
NATIONAL CEMETERY ADMINISTRATION
DEPT OF VETERANS AFFAIRS
18434 JOPLIN RD.
TRIANGLE, VA 22172

CODE 36C786

10. THE ACQUISITION IS
- [ ] UNRESTRICTED OR
- [X] SET ASIDE: 100.00 % FOR
- [ ] SMALL BUSINESS
- [ ] HUBZONE SMALL BUSINESS
- [X] SERVICE-DISALBED VETERAN-OWNED SMALL BUSINESS (SDVOSB)
- [ ] WOMEN-OWNED SMALL BUSINESS (WOSB)
- [ ] ECONOMICALLY DISADVANTAGED WOMEN-OWNED SMALL BUSINESS (EDWOSB)
- [ ] 8(A)

NORTH AMERICAN INDUSTRY CLASSIFICATION STANDARD (NAICS): 561730
SIZE STANDARD: $9.5 million

11. DELIVERY FOR FREE ON BOARD (FOB) DESTINATION UNLESS BLOCK IS MARKED
- [X] SEE SCHEDULE

12. DISCOUNT TERMS
0 Days: 0.00 %
0 Days: 0.00 %
0 Days: 0.00 %
0 Days: 0.00 %

- [ ] 13a. THIS CONTRACT IS RATED ORDER UNDER THE DEFENSE PRIORITIES AND ALLOCATIONS SYSTEM – DPAS (15 CFR 700)

13b. RATING

14. METHOD OF SOLICITATION
- [ ] REQUEST FOR QUOTE (RFQ)
- [ ] INVITATION FOR BID (IFB)
- [X] REQUEST FOR PROPOSAL (RFP)

15. DELIVER TO

CODE

16. ADMINISTERED BY
NATIONAL CEMETERY ADMIN (786)
NATIONAL CEMETERY ADMINISTRATION
DEPT OF VETERANS AFFAIRS
18434 JOPLIN RD.
TRIANGLE, VA 22172

CODE 36C786

17a. CONTRACTOR/ OFFEROR

CODE

FACILITY CODE

TELEPHONE NUMBER

18a. PAYMENT WILL BE MADE BY
TUNGSTEN
http://www.tungsten-network.com/customer-campaigns/veterans-affairs/

CODE NCA-VACO

- [ ] 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED
- [ ] SEE ADDENDUM

19. ITEM NUMBER	20. SCHEDULE OF SUPPLIES/SERVICES (*Use Reverse and/or Attach Additional Sheets as Necessary*)	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Grounds maintenance services at Miramar National Cemetery. Please see the instructions to offerors on how to submit a proposal and for vendor site visit information (page 206).				

25. ACCOUNTING AND APPROPRIATION DATA

26. TOTAL AWARD AMOUNT (*For Government Use Only*)

- [X] 27a. SOLICITATION INCORPORATES BY REFERENCE (FEDERAL ACQUISITION REGULATION) FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA — [X] ARE [ ] ARE NOT ATTACHED
- [ ] 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA — [ ] ARE [ ] ARE NOT ATTACHED

- [X] 28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN **1** COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED.

- [ ] 29. AWARD OF CONTRACT: REFERENCE _____ OFFER DATED _____ . YOUR OFFER ON SOLICITATION (BLOCK 5) INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA (*SIGNATURE OF CONTRACTING OFFICER*)

30b. NAME AND TITLE OF SIGNER (*TYPE OR PRINT*)

30c. DATE SIGNED

31b. NAME OF THE CONTRACTING OFFICER (*TYPE OR PRINT*)

31c. DATE SIGNED

19. ITEM NUMBER	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT

32a. QUANTITY IN COLUMN 21 HAS BEEN

☐ RECEIVED ☐ INSPECTED ☐ ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE		32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE 32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT	37. CHECK NUMBER
PARTIAL FINAL			☐ COMPLETE ☐ PARTIAL ☐ FINAL	
38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY		

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT		42a. RECEIVED BY *(Print)*	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT *(Location)*	
		42c. DATE REC'D *(YY/MM/DD)*	42d. TOTAL CONTAINERS

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Section 1 - Continuation Sheet

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0001	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	1,800.000000	EA			
	Description: Setting New & Replacement Headstones Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0001					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0002	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	250.000000	EA			
	Description: Upright Headstones Raise/Lower/Realign & Set Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0002					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0003	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	1,000.000000	EA			
	Description: Headstone Fine Tuned Alignment Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0003					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0004	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	10,000.000000	MO			
	Description: Headstone Cleaning and Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0004					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0005	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Gravesite Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0005					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0006	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Turf & Grasses Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0006					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0007	See Description Below	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Pest Control Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0007					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0008	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Tree, Shrub & Planting Bed Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0008					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0009	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Irrigation System Services Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0009					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0010	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Drainage System Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0010					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0011	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Trash & Debris Removal Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0011					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0012	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Pavement Sweeping & Cleaning Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0012					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0013	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Artificial Turf Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0013					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
0014	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Structure Cleaning & Light Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2026 - 08/31/2027					
	Reference Line: F369132-26-2000049 - 0014					
	Pricing Options: Base					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10001	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	1,800.000000	EA			
	Description: Setting New & Replacement Headstones Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10001					
	Pricing Options: Option 0001					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10002	See Description Below PSC: S208	250.000000	EA			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Upright Headstones Raise/Lower/Realign & Set Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10002					
	Pricing Options: Option 0002					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10003	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	1,000.000000	EA			
	Description: Headstone Fine Tuned Alignment Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10003					
	Pricing Options: Option 0003					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10004	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	10,000.000000	EA			
	Description: Headstone Cleaning and Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10004					
	Pricing Options: Option 0004					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10005	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Gravesite Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10005					
	Pricing Options: Option 0005					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10006	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Turf & Grasses Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10006					
	Pricing Options: Option 0006					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10007	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Pest Control Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10007					
	Pricing Options: Option 0007					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10008	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Tree, Shrub & Planting Bed Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10008					
	Pricing Options: Option 0008					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10009	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Irrigation System Services Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10009					
	Pricing Options: Option 0009					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10010	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Drainage System Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10010					
	Pricing Options: Option 0010					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10011	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Trash & Debris Removal Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10011					
	Pricing Options: Option 0011					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10012	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Pavement Sweeping & Cleaning Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10012					
	Pricing Options: Option 0012					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10013	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Artificial Turf Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10013					
	Pricing Options: Option 0013					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
10014	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Structure Cleaning & Light Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2027 - 08/31/2028					
	Reference Line: F369132-26-2000049 - 10014					
	Pricing Options: Option 0014					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20001	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	1,800.000000	EA			
	Description: Setting New & Replacement Headstones Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20001					
	Pricing Options: Option 0001					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20002	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	250.000000	EA			
	Description: Upright Headstones Raise/Lower/Realign & Set Davis Bacon Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20002					
	Pricing Options: Option 0002					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20003	See Description Below PSC: S208	1,000.000000	EA			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Headstone Fine Tuned Alignment Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20003					
	Pricing Options: Option 0003					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20004	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	10,000.000000	EA			
	Description: Headstone Cleaning and Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20004					
	Pricing Options: Option 0004					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20005	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Gravesite Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20005					
	Pricing Options: Option 0005					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20006	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Turf & Grasses Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20006					
	Pricing Options: Option 0006					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20007	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Pest Control Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20007					
	Pricing Options: Option 0007					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20008	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Tree, Shrub & Planting Bed Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20008					
	Pricing Options: Option 0008					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20009	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Irrigation System Services Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20009					
	Pricing Options: Option 0009					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20010	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Drainage System Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20010					
	Pricing Options: Option 0010					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20011	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Trash & Debris Removal Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20011					
	Pricing Options: Option 0011					
Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20012	See Description Below PSC: S208	12.000000	MO			

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
	LANDSCAPING/ GROUNDSKEEPING SERVICES					
	Description: Pavement Sweeping & Cleaning Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20012					
	Pricing Options: Option 0012					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20013	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Artificial Turf Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20013					
	Pricing Options: Option 0013					

Number	Supplies or Services	Max. Qty	Unit	Unit Price	Total (Inc. disc., tax, and fees)	Quantity Price Break
20014	See Description Below PSC: S208 LANDSCAPING/ GROUNDSKEEPING SERVICES	12.000000	MO			
	Description: Structure Cleaning & Light Maintenance Service Contract Act Wages Apply					
	Period of Performance: 09/01/2028 - 08/31/2029					
	Reference Line: F369132-26-2000049 - 20014					
	Pricing Options: Option 0014					

DIGNITY CLAUSE

Respect for Headstones and Markers in National Cemeteries, Handling of Markers and Headstones

1. Every action by contractor personnel at a national cemetery must be performed with the special care, reverence, dignity, and respect that acknowledges the cemetery as the final resting place that commemorates the service and sacrifice that service members, Veterans and their families made for our Nation. Critically important is the awareness required of the Contractor employees of the remains buried in the grounds where the work is performed. The utmost care must be given to these remains and the headstones and flat grave markers that mark those gravesites and memorialize the service of individuals.

    a. Contractors cannot walk, stand, lean, sit or jump on headstones or markers. Nor can they drive over them.

    b. No tools, equipment or other items will be placed or leaned on headstones or markers.

    c. Use care not to scratch or damage markers in any manner.

    d. Contractor shall be responsible for replacing damaged headstones and markers and for restoring turf damaged during performance of this work.

    e. Additionally, should any activity result in the exposure and/or damage to any remains, container for remains (e.g., casket or urn), or outer burial container, the contractor must contact the COR, Director/Assistant Director, or Contracting Officer (CO) for guidance.

2. Any doubts as to proper procedures shall be brought to the attention of the COR, Director/Assistant Director, or CO for guidance or resolution. While the COR and/or Cemetery Director may give guidance regarding the dignity clause, compliance, and performance, only the CO can authorize changes to the contract terms and conditions.

3. The contractor is required to discuss the guidance with employees and/or subcontractors and have each employee sign a statement of compliance and deliver the signed statement to the COR before work may begin.

(END)

Contract Guarantee Minimum/Maximum Aggregate Value

The guaranteed minimum amount for the life of the contract is $ 9,038.80.

The maximum aggregate value of the contract, inclusive of the three one-year ordering periods, shall not exceed $6,500,000.00.

The Government does not guarantee that it will place any orders under this contract more than the guaranteed minimum amount.

PERFORMANCE WORK STATEMENT
Grounds Maintenance – Miramar National Cemetery

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PERFORMANCE WORK STATEMENT
Grounds Maintenance – Miramar National Cemetery

1. GENERAL INFORMATION:

1.1. **DESCRIPTION OF SERVICE**: This requirement is a non-personal services contract in which the contractor shall provide all personnel, materials, equipment, and maintenance necessary to ensure that grounds maintenance and improvement services are performed at for Miramar National Cemetery located in San Diego, California hereby known as "the Cemetery". The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such service providers shall be accountable solely to the Contractor who, in turn, is responsible to the Government.

1.2 **BACKGROUND**: The Department of Veterans Affairs, National Cemetery Administration, honors Veterans with a final resting place and lasting memorials that commemorate their service to our nation. There are approximately 155 National Cemeteries in 41 states that receive visitors, hold ceremonies and conduct committal services on an ongoing basis. Because of the special significance and attention our National Cemeteries receive from the public, strict adherence to specifications is essential.

The 313-acre national cemetery in San Diego, CA, will serve Veterans' needs well into the 21st century. It is located about 15 miles north of downtown San Diego at the northwest corner of Marine Corps Air Station Miramar. The main entrance to the cemetery is on Nobel Drive between Miramar Road and Interstate 805.

Miramar National Cemetery includes both gravesite and columbarium facilities, providing a full range of burial alternatives to approximately 235,000 Veterans in San Diego County. Nearby Fort Rosecrans National Cemetery closed to first interment casketed burials in 1966, though it continues to provide casketed interments of family members of those currently interred and inurnments of cremated remains.

1.3 **OBJECTIVE:** The basic service objective is to maintain the cemeteries' esteemed grounds with care resulting in aesthetically pleasing landscape, care for burial sections, and memorial sites to honor those who have served our nation.

1.4 **SCOPE OF WORK**: The Contractor shall provide all labor, equipment, materials, and supervision of its employees to perform the service requirements under this contract for Miramar National Cemetery. Service requirements include:

- Headstone Services
- Gravesite Maintenance
- Turf and Grasses Maintenance
- Pest Control
- Tree, Shrub, Planting, and Bed Maintenance
- Irrigation System Services
- Drainage System Maintenance
- Trash & Debris Removal
- Pavement Sweeping and Cleaning
- Structure Cleaning and Light Maintenance

1.5 **PERIOD OF PERFORMANCE**: The contract shall be a twelve (12) month base year plus two (2) twelve-month option years if exercised.

1.6 **PLACE OF PERFORMANCE**:

Miramar National Cemetery
5795 Nobel Drive
San Diego, CA 92122

1.7 **TYPE OF CONTRACT**: The Government will award a hybrid fixed price Indefinite Delivery, Indefinite Quantity (IDIQ) contract consisting of services subject to the Service Contract Act (SCA) and construction efforts subject to the Davis Bacon Act (DBA). Multiple funded task orders incorporating this PWS will be issued based on the Governments requirements, each incorporating SCA or DBA components as applicable to their terms and conditions.

1.8 **GENERAL INFORMATION**:

1.8.1.0 QUALITY CONTROL: The Contractor shall develop and maintain an effective quality control program to ensure services are performed in accordance with this PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The Contractor's quality control program is the means by which he assures himself that his work complies with the requirement of the contract. At a minimum, the Contractor shall develop quality control procedures that address the Performance Requirements identified in Quality Assurance Surveillance Plan (QASP). After acceptance of the quality control plan, the Contractor shall receive the contracting officer's acceptance in writing of any proposed change to his QC system. The Quality Control Plan (QCP) shall be submitted with the proposal in draft form. A formal QCP shall be delivered within 30 days after contract award and within five (5) working days following each update. The QCP and any proposed update is subject to approval by the Contracting Officer prior to

implementation. The formal QCP and all updates shall be provided to the Contracting Officer and COR electronically.

1.8.1.1 QUALITY ASSURANCE: The Government will monitor the Contractor's performance under this contract using the Quality Assurance Surveillance Plan (QASP). All work performed under this contract will be subject to inspection at all times by the Government.

1.8.1.2 PROGRESS MEETINGS: The Contracting Officer may require the Site Manager to meet with the Contracting Officer, Contracting Officer Representative (COR), and other Government personnel as deemed necessary. Written minutes of such meetings may be recorded by the Government and signed by the Site Manager and the Contracting Officer or COR and distributed within five (5) workdays after the meeting. The Contractor may request a meeting with the Contracting Officer or COR when the Contractor believes such a meeting is necessary. Written minutes of such meetings may be recorded by the Contractor and signed by the Site Manager and the Contracting Officer or COR and distributed within five (5) workdays after the meeting. In either case, if the Contractor does not concur with any portion of the minutes, recorded by the Government or the Contractor, such non-concurrence shall be provided in writing to the Contracting Officer within two (2) calendar days following receipt of the minutes.

1.8.1.3 NORMAL HOURS OF OPERATION: The Contractor shall perform work during the hours of 8:00 AM – 4:30 PM (local time) Monday through Friday at the Cemetery. Funerals and ceremonies occur regardless of weather conditions. The Contractor is responsible for access to all work areas during these hours. The Cemetery is open to the public daily from sun rise to sun set and Memorial Day from 6:00 AM to 7:00 PM. The Government facility may be closed to the public, at times, due to local or national emergencies, administrative closings, or similar Cemetery directed facility closings, as authorized.

1.8.1.4 RECOGNIZED FEDERAL HOLIDAYS: Work is normally not conducted on Federal holidays unless otherwise authorized by the COR. The following is a list of the Federal holidays:

January	New Year's Day
January	Martin Luther King Jr.'s Birthday
February	Washington's Birthday
May	Memorial Day
June	Juneteenth
July	Independence Day
September	Labor Day
October	Columbus Day
November	Veterans Day
November	Thanksgiving Day
December	Christmas

When a holiday falls on Sunday, the following Monday will be observed as a Federal Holiday. When a holiday falls on a Saturday, the preceding Friday will be observed as a Federal Holiday by U.S. Government Agencies. Also included would be any day specifically declared by the President of the United States of America as a Federal Holiday.

1.8.1.5 OTHER THAN NORMAL HOURS OF OPERATION: At the Contractor's request, and with the written permission of the COR, work may also be permitted to be scheduled for weekends and Holidays. The Government must not compensate the Contractor for any alternate work schedules needed for the Contractor to complete all contract work within the specified project duration. No work will be permitted during Memorial Day or Veteran's Day weekend activities. Notwithstanding, if any work under this contract will be required outside of the VA's normal working hours (8:00 a.m. to 4:30 p.m. Monday through Friday), the Contractor must request for a deviation in writing to the COR at least 24 hours in advance.

The Contractor shall provide personnel support outside their expected normal hours of operation (4:31 PM – 7:59 AM) as needed, typically including holidays, special events or ceremonies, and during certain weather events, to support the Cemetery mission as authorized by the COR. The Site Manager or the Alternate Site Manager shall be available after normal duty hours or on working holidays to serve as the central point of contact for Contractor operations.

1.8.1.6 INTERFERENCE WITH GOVERNMENT OPERATIONS: Performance of work by the Contractor personnel under the terms of this contract shall not interfere with regularly scheduled Government operational activities.

1.8.1.7 SECURITY REQUIREMENTS: Contractor personnel or any representative of the Contractor entering the Cemetery shall abide by all security rules and regulations. The Contractor shall maintain a current list of all individuals working onsite. The Contractor shall maintain a list of all vehicles onsite, whether company-owned or employee-owned private vehicles.

1.8.1.8 PHYSICAL SECURITY: The Contractor shall safeguard all Government property provided for Contractor use. At the close of each work period. Government facilities, equipment, and materials shall be secured.

1.8.1.9 CEMETERY ACCESS: The Contractor shall be responsible for ensuring that all personnel authorized to perform work under this contract obtain cemetery access. Within ten (10) workdays after contract award, the Contractor shall submit to the Contracting Officer and COR the names of ALL personnel working under this contract. Changes of the Contractor personnel list shall be submitted within 24 hours of the change taking place. All Contractor employees shall have on them, at all times, positive, photographic identification.

1.8.1.10 KEY/LOCK CONTROL AND REPORTING**:** The Contractor shall be responsible for keys/locks provided by the Government. Keys/locks shall not be duplicated by Contractor personnel, nor

used by unauthorized Contractor personnel. The Contractor shall develop and implement procedures to ensure that keys/locks issued to the Contractor by the Government are safeguarded. The Contractor developed procedures covering key/lock control shall be included in the Quality Control Plan. Such procedures shall include turn-in of any issued keys/locks by personnel who no longer require access to locked areas.

The Contractor shall report any occurrence of duplicated, misplaced, or lost keys/locks to the Contracting Officer and COR within 24 hours after discovery of occurrence and submit a written report to the Contracting Officer by close of business the next workday. The written report shall provide complete details relating to duplication, misplacement, or loss.

In the event a key is duplicated, misplaced, or lost, all locks and keys for that system will be replaced at the discretion of the Government. The Contractor shall reimburse the Government for replacement of locks or rekeying required as a result of keys being duplicated, misplaced, or lost by Contractor or Contractor personnel. The Contractor shall also reimburse the Government for any government property lost or stolen as a result of unauthorized key duplication, misplaced key, or loss of key by the Contractor or Contractor personnel.

The Contractor shall prohibit the use of Government issued keys/codes by any persons other than the Contractor's employee, The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the Contracting Officer.

1.8.1.11 CONSERVATION OF UTILITIES: The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating under conditions that preclude the waste of utilities, which include turning off the water faucets or valves.

1.8.1.12 PERSONNEL: The Contractor shall provide a work force possessing the skills, knowledge, and training satisfactorily perform the services required by this contract. Personnel performing work under this work statement shall remain employees of the Contractor and will not be considered employee of the Government.

1.8.1.13 PESTICIDE AND/OR HERBICIDE APPLICATION: In addition to providing certification/license information, contractor shall report applications to the San Diego County Agriculture Commissioners Office when required. All Contractor personnel shall be trained on environmental issues such as ground water contamination, wetland protection, and be consistent and fully compliant with all applicable Federal, State, County and City laws, ordinances, Right-to-Know laws, EPA guidelines, and regulations.

1.8.1.14 LAND SURVEY WORK: Only licensed land surveyors are permitted to reset grid or sectional monuments disturbed during raise & realignment of headstones.

1.8.1.15 CONFLICT OF INTEREST: The Contractor shall not employ any person who is an employee of the United States Government, either military or civilian, if such employment would create a conflict of interest or be contrary to the policies contained in the Joint Ethics Regulation.

1.8.1.16 CONDUCT OF PERSONNEL: The Contracting Officer may require the Contractor to remove from the job site, any employee working under this contract for reasons of misconduct, security, or found to be under the influence or alcohol drugs, or other incapacitating agents. Contractor employees shall be subject to dismissal from the premises upon determination by the Contracting Officer that such action is necessary in the interest of the Government. The removal from the job site or dismissal from the premises shall not relieve the Contractor of the requirement of providing sufficient personnel to perform the services as required by this contract.

1.8.1.17 SPECIAL QUALIFICATIONS: The Contractor is responsible for ensuring all employees possess required state motor vehicle licenses for operating equipment and vehicles used in the execution of this contract. Anyone applying pesticides must be trained and certified in the appropriate pesticide applicator categories by the state of California. A pesticide technician is not a valid substitute for a state certified applicator. Use of any chemicals shall meet Environmental Protections Agency (EPA) Guidelines and State of California Law for licensed applicator requirements and shall not be used without prior review through a pre-application submittal and consent of the COR.

SITE MANAGER: The On-site manager must have a minimum of two (2) years' experience as a direct supervisor of commercial Landscape Maintenance/Installation operations and be accredited by the Landscape Contractors Association, or equivalent accreditation program, (e.g., PLANET). They shall speak and write fluent English. Provide licenses/certificates regarding capabilities at time of contract award and annually when an Option Year is exercised. The Contractor must provide the on-site manager with mobile phone(s) and radio(s) (same channel/frequency as the cemetery). The on-site manager must immediately communicate to the COR, by radio, and by cell phone after hours) when an alternate on-site manager has been placed in charge. The Contractor shall provide a Site Manager who shall be responsible for the performance of the work. The Site Manager shall have – degree, experience in scope and complexity. Skillset necessary for performing job requirements. The name of this person and an alternate who shall have full authority to act for the Contractor when the Site Manager is absent shall be designated in writing to the Contracting Officer.

ALTERNATE SITE MANAGER: Shall have similar qualifications as the Site Manager, and the alternate can be a key personnel position other than the Site Manager. The Site Manager or alternate shall have full authority to act for the Contractor on all contract matters relating to daily operation of this contract, and either the Site Manager or his/her alternate will be on job site during normal operation hours. The Site Manager – and in his or her absence, an alternate shall be available by phone 24 hours a day, 7 days a week, and shall also have an email address which shall be checked for information from the Cemetery, prior to 7:00am and

after 2:00pm each day Monday through Sunday, as the Cemetery anticipates messaging up to twice daily. The Site Manager is to report daily with the COR prior to 7:00am when work is being performed. Additionally, the Site Manager or an alternate must be available to meet the COR onsite within 12 hours' notice, if requested by the COR. Also, the COR must be informed less than 24 hours in advance, anytime the Site Manager will be offsite for extended periods of time. One (1) resume and one letter of commitment from the individual proposed for: Site Manager.

1.8.1.18 POST AWARD CONFERENCE/PERIOD PROGRESS MEETINGS: The Contractor agrees to attend any post award conference convened by the Contracting Activity in accordance with Federal Acquisition Regulation Subpart 42.5. The Contracting Officer, COR, and other Government personnel, as appropriate, may meet periodically with the Contractor to review the Contractor's performance. At these meetings, the Contracting Officer will apprise the Contractor of how the Government views the Contractor's performance and the Contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the Government.

1.8.1.19 CONTRACTING OFFICER REPRESENTATIVE (COR): The COR will be nominated by the requiring activity and appointed by the Contracting Officer by separate letter. A copy of the COR's appointment letter will also be sent to the awarded Contractor, identifying the designated duties and limitations of the COR. The COR's designated duties will describe the level of responsibility and what technical or administrative aspects of the contract are to be monitored. The COR's oversight responsibilities are not limited to the QASP. Since all listed contract requirements or tasks are expected to be met by the contractor at all times, the COR is authorized to conduct oversight on any and all tasks or requirement and report observations to the Contracting Officer. The COR is not authorized to change any terms or conditions in the contract that pertain to cost, schedule, performance, quality, quantity, or other legal aspects of the resulting order.

1.8.1.20 IDENTIFICATION OF CONTRACTOR EMPLOYEES: All Contractor personnel attending meetings and working in other situations where their Contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. They must also ensure that all documents or reports produced by the Contractor are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.

1.8.1.21 PHASE IN/PHASE OUT: To minimize any decreases in productivity and to prevent possible negative impacts on additional services, the Contractor shall have personnel on board, during the phase in/phase out periods. The phase in period will begin on the first business day after the contract is awarded. During the phase in period, the Contractor shall become familiar with performance requirements in order to commence full performance of the services on the contract start date, submit lists of employees working under this contract, and move and stage all needed equipment, materials, and supplies onto the designated contractor area at

Miramar National Cemetery. It is expected that this task will take no less than two weeks and no more than four weeks.

2. DEFINITIONS & ACRONYMS

2.1 DEFINITIONS: (See the "Glossary" of the National Cemetery Administration, Operational Standards and Measure Guidebook for a list of cemetery-specific definitions.)

2.1.1 **Animal:** any living that is not human being or a plant.

2.1.2 **Backflow Preventer**: A device which prevents any fluid from back-siphoning into the source water such as hydrants, spigots, pipes, or other water sources. Contractor shall ensure such devices are employed whenever watering, filling water or pesticide mix tanks, or mixing pesticides or any other product with water.

2.1.3 **Clean**: Free of all foreign matter.

2.1.4 **Cleaning Agents**: Products and substances (usually liquids, pastes, powders, sprays, or granules) used to remove dirt and detritus, including dust, stains, oxidation on surfaces.

2.1.5 **Cleaning Equipment:** Devices, tools, and machines designed for specific cleaning tasks, including pads and cloths.

2.1.6 **Contract Administrator**: The official Government representative delegated authority by the Contracting Officer to administer a contract. This individual is normally a member of the appropriate Contracting/Procurement career field and advises on all technical contractual matters.

2.1.7 **Contracting Officer's Representative (COR):** A representative from the requiring activity appointed by the Contracting Officer to perform surveillance and to act as liaison to the Contractor.

2.1.8 **Crown Raising:** The removal of the lower branches of a tree to provide clearance for buildings, signs, vehicles, pedestrians and vistas, also known as "limbing up" and "lifting". Do not "limb up" coniferous trees.

2.1.9 **Crown Thinning:** The selective removal of dead, diseased, broken or weakly attached branches (Crown Cleaning) and: the removal of branches to increase light penetration and air movement through the crown; thinning towards the branch tip to reduce the wind-sail effect of foliar clumps in the crown; and thinning to relieve the weight of heavy limbs. Only 25 percent of a tree's leaf area can be removed at any one time.

2.1.10 **Crown Cleaning**: The selective removal of dead, diseased, broken or weakly attached branches. This constitutes regular landscape maintenance pruning that will correct small growth problems before they become larger, more costly problems.

2.1.11 **Crown Reduction**: Pruning to reduce the size of the tree.

2.1.12 **Cycle:** The completion on one unit of work, from beginning to end, that involves a give distance or length of time (For example, picking up all trash once a week, or an edging of all curbs along all Cemetery roads).

2.1.13 **Deadwood Pruning**: Pruning to remove deadwood and/or broken branches that pose a potential risk that could result in personal injury or property damage. This category is used

for any tree with broken, hanging, dead, or otherwise potentially dangerous limbs or those trees with a significant number of dead branches that require removal.

2.1.14 **Decomposed Granite:** Fine, crushed, screened, naturally friable granite rock, 1/4-inch minus material to match existing. Gradation as determined by ASTM C 136 with 50 to 100 percent passing the No. 4 sieve, with 5 to18 percent passing the No. 200 sieve. Approved material: 'Gail's Gold' decomposed granite as available from Gail Materials, Tel.: (951)667-6106; (or equivalent material as approved by the COR).

2.1.15 **Defective Service**: A service output that does not meet the standard of performance associated with it in the PWS.

2.1.16 **Deliverable**: Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports.

2.1.17 **Drip Zone Assembly**: Assembly consisting of remote control valve, drip filter, drip pressure regulator, unions, shut-off valve, nipples, pipe, and valve box or vault.

2.1.18 **Evapotranspiration:** The combined loss of water from soil through evaporation and plant transpiration.

2.1.19 **First Interment Area:** Areas within the burial sections where the government is actively assigning new gravesites and conducting new interments.

2.1.20 **Foreign Matter:** Dirt, marks, stains which can be removed with reasonable cleaning effort and appropriate cleaning agents and equipment. Feces of all types.

2.1.21 **Full Sun Areas:** Areas receiving more than 5 hours of direct sunlight per day.

2.1.22 **Government Furnished Equipment (GFE):** Equipment in the possession of, or directly acquired by, the Government and subsequently made available to the Contractor.

2.1.23 **Government Furnished Property (GFP) or Government Property (GP):** Property in the possession of, or directly acquired by, the Government and subsequently made available to the Contractor.

2.1.24 **Ground cover:** Low growing plants growing over an area of ground. Ground covers include grasses, shrubs, and herbaceous plants.

2.1.25 **Grounds and Boundaries**: All developed land including turf, walks, beds, planter beds, drainage ditches, roads, steps, plazas, and parking lots within the property line of the Cemetery.

2.1.26 **Headstone:** Including upright headstones and flat markers. The term headstone is synonymous with marker.

2.1.27 **"Hot Spot":** An isolated patch of turf as evident by dry soil, hydrophobic soil, and brownish or yellowing leaf color.

2.1.28 **Inorganic Mulch**: Decomposed granite, path fines, gravel, pebbles, cobblestones, rip-rap, boulders, artificial bark mulch.

2.1.29 **Interseeding:** The practice of seeding the same species into itself for the purpose of increasing stand density and recovery of lost grass.

2.1.30 **Irrigated Turf:** Lawn that has permanent irrigation system installed.

2.1.31 **Height of Turf:** Height, if not readily obvious, shall be determined by the COR (in the presence of the Site Manager) by measuring the height of the turf plants with a yardstick in four locations – randomly selected by the COR – within the burial section or Highly Prominent area in question. The COR will then determine the average height of those measurements.

2.1.32 **Irrigation Hours:** Period of time during which landscape irrigation is permissible and does not interfere with visitation and cemetery operations; typically between 8:00pm and 5:00am.

2.1.33 **Master Valves:** Mainline remote control valves controlling flow of water to mains. Master valves may be normally open supplying water under pressure to mains, or normally-closed shutting off water under pressure to mains when not irrigating.

2.1.34 **Mulch Bed:** Any area containing primarily organic and/or inorganic mulches.

2.1.35 **Non-irrigated Turf:** Low Maintenance Lawn, Slow-Growth Area, "Green" Burial Section. Lawn that does not have a permanent irrigation system installed and is allowed to go dormant during extremes of heat and cold.

2.1.36 **Non-pressure Piping**: Lateral line pipe that is not under water pressure until the control valves are opened. Pipe that is typically downstream of the control valve.

2.1.37 **Organic Mulch:** Decorative tree bark, compost, nut shells.

2.1.38 **Overseeding:** The practice of seeding another species over an existing stand to produce viable turf when the existing stand has become dormant.

2.1.39 **Part Sun Areas:** Areas receiving less than 5 hours of direct sunlight per day normally due to shade from tree canopies.

2.1.40 **Pest**: Any plant or animal detrimental to humans or human concerns including weeds, fungi, molds, vertebrates, and invertebrates.

2.1.41 **Pesticide:** Includes herbicides, insecticides, horticultural oils, fungicides, poisonous baits, and fumigants.

2.1.42 **Planting Bed:** Any area planted with trees, shrubs, and ground covers.

2.1.43 **Posting Signs:** Industry standard warning signs stating that a pesticide application has been applied.

2.1.44 **Performance Work Statement:** The PWS is a detailed set of verifiable performance or quality standards for everything the Contractor is required to perform or produce. Performance- based statements of work (referred to as a PWS) are the preferred method of stating needs in terms of performance outputs. A performance based statement of work structures all aspects of an acquisition around the purpose of the work to be performed and does not dictate how the work is to be accomplished. It maximizes Contractor control of work processes and allows for innovation in approaching various work requirements.

2.1.45 **Pressure Piping:** Mainline and submain pipe that is constantly under water pressure. Pipe that is typically upstream of the control valve.

2.1.46 **Outlets:** Sprinkler heads, drip emitters, drip flush valves, drip air relief valves, including pipe risers and swing joints.

2.1.47 **Polished:** Smooth and shiny as a result of being rubbed. Free of oxidation.

2.1.48 **Quality Assurance Surveillance Plan (QASP):** An organized written document specifying the surveillance methodology to be used for surveillance of Contractor performance.

2.1.49 **Quality Assurance:** A procedure or set of procedures taken by the Government to ensure that services under development (before work is complete, as opposed to afterwards) meets specified requirements of the PWS.

2.1.50 **Quality Control:** A procedure or set of procedures implemented by the Contractor to ensure that the performed service adheres to and meets the requirements of the PWS.

2.1.51 **Reasonable Cleaning Effort:** Commercially reasonable amount of time and expenditure of physical effort needed to clean an element utilizing commercially available equipment and products designed specifically for that task.

2.1.52 **Remote Control Valve Assembly:** Assembly consisting of remote control valve, unions, shut-off valve, nipples, pipe, and valve box or vault.

2.1.53 **Removal:** The transport of identified material, such as trash and debris, from the area it was found to a place of final repository – such as a dumpster or off the Cemetery grounds.

2.1.54 **Routine Pruning:** Regular maintenance to reduce the development of future problems or correct minor problems that could increase if not corrected. This primarily includes trees with minor amounts of deadwood less than two inches in diameter or with correctable structural problems. Trees with growth patterns that will eventually obstruct or interfere with understory plant growth and health, pedestrian or vehicular traffic clearance, and lines of sight are also included in this category.

2.1.55 **RTF:** Rhizomatous Tall Fescue. Turf-type tall fescue which produces rhizomes, underground stems that penetrates laterally through the soil to spread the plant while sending shoots up to the soil surface, forming a new plant.

2.1.56 **Submaster Valves:** Submain remote control valves controlling flow of water to submains. Master valves may be normally-open supplying water under pressure to submains, or normally-closed shutting off water under pressure to mains when not irrigating.

2.1.57 **Training Pruning:** Prune young or small trees less than 20 feet in height in order to reduce the development of future structural problems. Trees with growth patterns that will eventually obstruct or interfere with understory plant growth and health, pedestrian or vehicular traffic clearance, and lines- of-sight are also included in this category.

2.1.58 **Stabilizer:** A water-based polymer or organic powdered binder solidifying emulsion specifically manufactured to harden decomposed granite. The solidifying emulsion shall not alter the gravel color. A copy of the manufacturer's product sheets and instructions for application shall be furnished to the COR for approval.

2.1.59 **Topsoil:** ASTM D 5268; natural or cultivated surface-soil layer containing organic matter and sand, silt, and clay particles, conforming to USDA classification for Loam or Sandy Loam; friable, pervious, and compatible in texture with the existing soil to prevent a perched water table; ECe less than 3 mmhos/cm; a minimum of 2 percent/maximum of 10 percent organic material content; pH range between 6 and 8; reasonably free of subsoil, clay lumps, gravel, rocks and other objects more than 13 mm (1/2-inch) in any dimension; and free of weeds, roots, and other extraneous materials harmful to plant growth.

2.1.60 **Trash and Debris:** Any item, material or foreign object not permanently attached to or planted within the grounds and boundaries. Items include – but are not limited to – fallen twigs and branches that are under ten (10) inches in diameter at their widest point, paper products, cigarette butts, glass and metal products, plastic and any other synthetic item, plus loose rock and stone three (3) inches in diameter or greater that are not the apparent result of an interment within the past 30 days. Not included are stains, loose soil, smaller stones, or leaves. Exception: Loose soil, smaller stones and leaves are included when part of blowing off a roadway or walk, and when performing a clean-up prior to a major ceremony. Any item, material or foreign object not permanently attached to or planted within cemetery grounds and boundaries. Items include, but are not limited to leaves, needles, flowers, seedpods, twigs, branches of all sizes, feces, paper products, cigarette butts, gum, glass and metal products, plastic and any other synthetic items, gravel, asphalt, concrete, loose rock and stones over two inches (2") in diameter, and soils that are a result of interment operations.

2.1.61 **Turf:** Turfgrass, grass, lawn. Any ground cover consisting primary of cultivated turfgrass species, such as perennial ryegrass and tall fescue.

2.1.62 **Valves:** Backflow prevention devices, isolation valves, pressure regulating valves, automatic valves, hydrometers, master valves, air and vacuum release valves, remote control valves, blow-off valves, hose bibs, quick couplers.

2.1.63 **Vegetation:** All plant material including weeds.

2.1.64 "**Water-Wise" burial section:** is an interment area with a ground surface consisting of non-living groundcover material such as a mineral mulch. The mineral mulch is typically a crushed aggregate surfacing such as decomposed granite, or other COR-approved 1/4-inch minus crushed aggregate material.

2.1.65 **Water-wise cemetery** is surfaced with a layer of sand or mineral-based ground cover, (e.g., decomposed granite).

2.1.66 **Weed**: Any non-desirable plant material, including escaped and invasive ornamental plants

2.1.67 **Wildflowers:** Annual and perennial flowering ground cover plants grown by sowing seeds.

2.1.68 **Windrows of Turf Clippings**: Any accumulation of turf clippings which cover or block sunlight from reaching the newly-mowed or trimmed turf area.

2.2 ACRONYMS:

AM	ante meridiem
CO	Contracting Officer
COR	Contracting Officer Representative
EMS	Environmental Management System
e.g.	for example
EA	Each
FY	Fiscal Year
IAW	In accordance with
i.e.	that is
IPM	Integrated Pest Management
JB	Job
JER	Joint Ethics Regulation
lbs	pounds
LMR	Land Mobile Radio
MO	Months
mph	miles per hour
NCA	National Cemetery Administration
NIOSH	National Institute of Occupational Safety and Health
OSHA	Occupational Safety and Health Act
OPT	Option
PWS	Performance Work Statement
PM	post meridiem
QTY	Quantity
QC	Quality Control
QASP	Quality Assurance Surveillance Plan
SSD	Security and Safety Directorate
SWPPP	Stormwater Pollution Prevention Plan
SF	Square Feet
TE	Technical Exhibit
VA	Department of Veteran's Affairs

3. GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

3.1 **GENERAL INFORMATION:** The Government will provide the property and services listed below. The Contractor shall not use the property or services provided by the Government for any purpose other than in the performance of this contract. All requests for Government furnished property and services shall be approved by the COR and Contracting Officer in writing.

3.2 **FACILITIES:** The Government shall furnish a parking and staging area for vehicles and equipment with no guarantee of security for the designated area or any assurances of utilities or phone lines. A temporary storage area for tree branches, sticks, and leaves will be provided. Maintenance of equipment must be conducted offsite (no hazardous materials), unless light routine repairs are needed, such as changing flat tires, blade sharpening, etc.

3.3 **EQUIPMENT:** The Government will provide a roll-off dumpster for trash and demolished headstones only.

3.4 **UTILITIES:** Water will be available at various areas as designated by the COR through in-ground water sources throughout the cemetery. Electric, gas, or phone lines are not guaranteed for the Contractor in designated staging areas. The Contractor shall instruct employees in utilities conversation practices. The Contractor shall be responsible for operating under conditions that preclude the waste of utilities. If abuse or waste is suspected, the Government reserves the right, at any time during the contract performance period, to provide utilities to the Contractor on a few-for-use basis.

3.5 **HEADSTONES AND MARKERS:** The Government shall provide new and replacement headstones and markers to the contractor for installation, ensuring proper wording and spelling.

3.6 **FLORAL VASES:** Floral vases for public use and stocking by the Contractor.

4. CONTRACTOR FURNISHED ITEMS, SERVICES & REQUIREMENTS

4.1 **GENERAL INFORMATION**: The Contractor shall furnish all supplies, equipment, facilities, and services required to perform work under this contract that are not listed under Section 2 of this PWS. The Contractor shall also provide transportation and permits necessary to perform the requirements of this contract. This includes having roll-off dumpsters for debris and soil removal. This does not include

the Government furnished dumpster for trash and demolished headstones, as described in 3.3 of Government Furnished Property.

4.1.1 EQUIPMENT GUIDELINES: The Contractor's equipment shall be commercial grade equipped with protective and safety features that is in good repair, and clean. The Contractor shall submit, to the Contracting Officer, and equipment list which includes, but is not limited to, quantities and descriptive data for all equipment prior to its use on CEMETERY grounds. The Contractor shall inform the Contracting Officer, in writing, of any equipment list changes prior to implementing the changes. The equipment and supplies the Contractor uses shall not cause damage to ground areas, headstones, monuments, walkways, trees, or any other part of the landscape. It is expected that the Contractor will take preventative measures when entering soft grounds with equipment, such as the use of boards, to prevent ruts.

4.1.2 COMPREHENSIVE GROUNDS MANAGEMENT PLAN: A comprehensive Grounds Management Plan (GMP) submitted to the COR within 30 workdays following contract award. The GMP shall identify every task, frequency, and planned duration required under this contract. Changes to the plan must be approved by the COR prior to implementation and prior to any updates. Pesticide and fertilizer applications must include a legend indicating the specific product, application rate (quantity and active ingredient per acre or 1000 square feet).

4.1.3 WEEKLY WORK PLAN: Weekly electronic notification to the COR Team outlining the work planned during the following workweek no later than noon on the final workday of each week. The plan shall include sufficient detail by day and area to allow meaningful quality control by the Contractor and quality assurance by the COR Team.

4.1.4 COMPLETED WORK REPORT: Daily electronic notification to the COR Team detailing what work was completed during the workweek no later than 3:00 p.m., on the final workday of each week. The report will detail all work completed, by day and area during the week, including specifics regarding marker settings, alignments, et cetera.

4.1.5 PESTICIDE DISPERSAL EQUIPMENT: The Contractor shall furnish pesticide dispersal equipment without visible deterioration or leaks in any component and shall operate the equipment IAW the manufacturer's recommendations. All pesticide tanks of powered dispersal equipment shall be clearly and plainly labeled "Contaminated with Pesticides." All tanks of powered pesticide equipment dispersal equipment shall also have a license decal that is attached in a conspicuous location and contains an identification number and the name of the issuing agency.

4.1.6 COMPOST, SOIL AMENDMENTS, FERTILIZER LIST: A list of all proposed compost, soil amendments, fertilizers with the proposal and the following samples and/or reports for review and approval by the COR and Pacific District Agronomist within ten (10) workdays after contract award. Changes must be approved by the COR prior to use.

4.1.7 VEHICLES: The Contractor shall provide vehicles for the performance of services on this contract. Contractor and Contractor employees shall abide by all speed limitations while operating a vehicle at the Cemetery. The speed limit at the Cemetery is 15 mph on cemetery roads and 10 mph when passing pedestrians. The Contractor shall be responsible for all maintenance and repair of Contractor furnished vehicles.

4.1.8 VEHICLE SAFETY EQUIPMENT: Contractor vehicles used to transport herbicides shall house a National Institute of Occupational Safety and Health (NIOSH) approved spill and decontamination kit and shall be equipped with a fire extinguisher which has an ABC rating with minimum capacity of pounds.

4.1.9 COMMUNICATION DEVICES: The Key Personnel and vehicle drivers shall have communication devices turned on during normal operating hours as to be available to communicate with the COR at any time. Any employees performing during outside of normal operating hours (as authorized by the COR) shall also be available to communicate during those times. The Contractor shall be available by mobile phone 24 hours a day, 7 days a week in the even they need to be contracted regarding an emergency, significant weather event, etc. All cost related to providing wireless communication devices are the responsibility of the Contractor.

4.1.10 STANDARDS OF EMPLOYEE CONDUCT & VA REGULATIONS**:** Contractor and contractor personnel shall be required to adhere to the following standards of dress and conduct while performing work in the National Cemetery. These standards and regulations are enforceable under Title 38, U.S.C. Section 218. Contractor, and all contractor personnel, shall follow all US Department of Veterans Affairs, National Cemetery Administration, and Miramar National Cemetery environmental protection standards, policies and procedures, including, but not limited to, the NCA Environmental Management System and Green Purchasing policies.

Contractor and contractor's employees shall be required to wear uniforms displaying the name of the company the employee's name, and status. Outer wear (including jackets, coats, hats, rain gear, etc.) must also comply with above. Contractor’s employees shall be fully clothed at all times, to include long slacks or pants and shirt, buttoned up from neck to waist. Clothing shall be clean each day. Any soiled clothing should be cemetery work-related that day. T-shirts and/or tank tops as outer garments are prohibited. Garments displaying a “message” or “slogan” other than the Contractor’s business attire are prohibited. Other clothing in question shall require the Director’s written approval.

Contractor and contractor employees will maintain personal hygiene. Shoes/boots will have no holes or loose soles. Steel-toed shoes will be required in accordance with OSHA. All required uniforms and personal protective equipment will be provided by the Contractor-to-contractor personnel.

Contractor and contractor personnel shall show proper reverence during committal service and other cemetery ceremonies. Contractor and contractor personnel shall not engage in loud

or boisterous behavior, use profane or abusive language nor use personal radios. Due to the sensitive mission of the Cemetery, Contractor and Contractor employees shall exercise courtesy and respect while within the cemetery. If inquiries are received from visitors, they are to assist visitor's to the best of their ability.

Possession of weapons is prohibited. Enclosed containers, including tool kits, shall be subject to search. Violations of VA regulations may result in citation answerable in the United States (Federal) District Court, not a local district, state, or municipal court.

4.1.11 HANDLING OF HEADSTONES: Every action by contractor personnel at a national cemetery must be performed with the special care, reverence, dignity, and respect that acknowledge the cemetery as the final resting place that commemorates the service and sacrifice that service members, Veterans and their families made for our Nation. Critically important is the awareness required of the Contractor employees of the remains buried in the grounds where the work is performed. The utmost care must be given to these remains and the headstones and flat grave markers that mark those gravesites and memorialize the service of individuals. Contractor personnel cannot walk, stand, lean, sit or jump on headstones or markers, nor shall the wheels/tracks of any Contractor vehicle ever drive over them.

No tools, equipment or other items will be placed or leaned on headstones or markers. Once headstones/markers are removed from the socket, do not place the headstones on dirt piles or mud; they should be carefully placed on each associated gravesite and protected in such a way as to prevent any soiling and be out of the way of any other work.

Headstones shall be removed from their sockets using wooden and/or metal clamps. If metal clamps are used, the area that contacts the headstone must be protected with a rigid fabric that will prevent damage to and marking of the headstone. Clamps may be attached to a skid steer loader (i.e., Bobcat®) or similar machine to extract the headstone from the socket. Contractor personnel should use tools approved by the Contracting Officer Representative (COR), such as shovels, pry bars or pinch bars to lift flat markers out of the ground; pick axes are not an acceptable tool.

When headstones are removed from their sockets, they shall be carefully stored on each associated gravesite; do not lean headstones against each other. Use care not to scratch or damage headstones in any manner. The headstones shall be laid with front inscription side up while the headstone is lying horizontally on the ground. The headstone shall be protected from direct ground contact while lying horizontally. The protection method shall be as approved by the COR and shall be free of deterioration in weather. An approved method is to support each headstone with two (2) wood 4x4's. Alternate methods can be approved. Cardboard shall not be used. Wood or other suitable appropriate and attractive material shall be used to keep the headstones from contact with the soil while lying horizontally during the

construction period. This also shows respect towards the families visiting the gravesites and the remains that are buried.

Contractor shall be responsible for replacing damaged headstones and markers and for restoring landscape damaged during performance of this work. Additionally, should any activity result in the exposure and/or damage to any remains, container for remains (i.e., casket or urn), or outer burial container, the Contractor must contact the COR, Director/Assistant Director, or Contracting Officer (CO) for guidance.

Any doubts as to proper procedures shall be brought to the attention of the COR, Director/Assistant Director, or CO for guidance or resolution. The Contractor is required to discuss this guidance with their employees and have each employee sign a statement of compliance and deliver the signed statement to the COR before work may begin.

4.1.12 USE OF CEMETERY FACILITIES: The Government will not be responsible for any loss, damage, or theft of contractor items. Contractor shall be responsible for acceptable standards of housekeeping and custodial maintenance of Department of Veterans Affairs' facilities used by contractor's employees that are acceptable to the COR and in accordance with National Cemetery Administration Operational Standards and Measures (Version 5.1, July 2014 or the most current version).

All contractor personnel operating motorized vehicles/equipment on government property must possess a valid state driver's license. Contractor and contractor personnel may park privately owned vehicles in the area designated for parking by the COR. It is the responsibility of the Contractor to ensure his employees park in the appropriate designated parking areas. The Cemetery will not invalidate or make reimbursement for parking violations of the Contractor or contractor’s personnel under any circumstances. The Government is not responsible for any damage, theft of vandalism to privately owned vehicles parked on cemetery property. All Contractor employees park on cemetery property at their own risk. The Contractor shall observe all traffic, parking, directional signs and regulations when using the cemetery’s roadways. The Cemetery will not invalidate or make reimbursement for parking violations of the Contractor’s employees under any conditions.

4.1.13 STORAGE FACILITIES: The Government will not furnish any building(s) at the cemetery site for use by the Contractor to store supplies, equipment, etc. The Government will provide the Contractor with a fenced storage yard to store supplies, tools and equipment directly related to the implementation of this contract. However, the Government will not be responsible for any damage to or loss of the Contractor's equipment and supplies, or items belonging to Contractor’s personnel stored on the Government's premises. The Contractor shall provide any storage buildings/lockers at their own expense. Storage buildings/lockers shall be in presentable condition. Conex boxes shall be painted to blend into the natural landscape. Equipment and supplies stored by the Contractor shall be maintained in a neat and orderly fashion.

4.1.14 RESTROOMS: Contractor and contractor employees shall not be allowed to use cemetery staff or public restrooms. Contractor must provide adequate, COR- approved, restroom facilities for their personnel. A septic system hook-up is available for a contractor-provided office trailer as approved by the COR. Contractor shall be fully responsible for maintenance and repairs to septic system and leach fields if used for their benefit.

4.1.15 MATERIALS STORAGE AREA: The Government will provide the Contractor two materials storage bays for use in storing materials (e.g., decomposed granite, crusher waste.) Other landscape materials (compost, mulch, topsoil, sand, gravel, etc.) may be stored within the Contractor's fenced storage yard as approved by the COR. The contractor is responsible for Stormwater Pollution Prevention Plan (SWPP) and erosion prevention control measures related to the stockpiling of these materials in accordance with local, state and federal regulations.

4.1.16 HAZARDOUS MATERIALS STORAGE: The Contractor shall request the approval of the COR if the Contractor desires to store any hazardous materials at the Cemetery. If approval is granted the Contractor is responsible for safely storing any chemicals, pesticides, herbicides, cleaning solutions, flammable materials, etc. on site in properly ventilated hazardous materials lockers in accordance with all federal, state and county laws and regulations and manufacturers recommendations. Each locker shall be rated for the storage of the specific material(s) housed inside and shall be Cal-OSHA compliant. The lockers are subject to inspection by NCA, federal, state and local authorities. Items stored within the lockers shall be maintained in a neat and orderly fashion.

The Contractor shall provide, as part of their offer, a list of tools and equipment to be used during the course of the contract, for the approval of the Government. Ten (10) days after contract award, and every year thereafter, the Contractor shall verify in writing that this equipment is in safe operating condition. The Contractor shall comply with all Federal, State, City, County, and local laws and regulations regarding the use of Personal Protective Equipment (PPE) for all contract personnel. All Personal Protective Equipment is provided by the Contractor.

The Contractor shall be responsible for maintaining fire extinguishers and other safety equipment. SDS or Safety Data Sheets (formerly known as MSDS or Material Safety Data Sheets) are required for all chemicals, pesticides, herbicides and cleaning solutions. The Contractor shall provide master file of SDS sheets to the COR. The contractor shall also maintain a file of all SDS sheets wherever these materials are stored. Should the storage yard become unusable, the Contractor will be given a minimum of 60 days to find storage off the cemetery grounds. The Contractor shall then be responsible for delivering and removing all necessary equipment and supplies on a daily basis. Inability to use the storage yard will in no way alter the contract.

4.1.17 CELL PHONE USAGE: Contractor's personnel should refrain from using cell phones for non-contract work related business while in public areas. This includes, but is not limited to, calls, texting, and internet related functions. Any cell phone use while operating vehicles/equipment is strictly prohibited. The use of headphones/ear buds by Contractor and Contractor's personnel is prohibited.

4.1.18 INSPECTION OF CEMETERY FACILITIES: The Contractor shall perform no less than weekly inspections of the entire cemetery to ensure that National Shrine Standards are met. During this inspection, any deficiencies noted within the scope of the contract will be corrected as soon as practicable. Items that need correcting outside the scope of the contract will be reported to the Contracting Officer or COR. The Contractor will be required to submit inspection reports and work accomplished to the COR weekly on Fridays. The inspection forms will be provided to the Contractor by the COR.

4.1.19 SAFETY & TRAINING: The Contractor shall also be responsible for training and safety precautions for Contractor employees performing work under these specifications. OSHA standards shall be observed by the Contractor in all work performed. Appropriate safety equipment shall be furnished by the Contractor-to-Contractor personnel and shall be used as prescribed by OSHA standards, including hard hats, safety shoes, safety glasses, gloves and hearing protection devices. The following OSHA and NFPA standards and codes are to be adhered to: National Fire Protection Association (NFPA): 10-1998 Standard for Portable Fire Extinguishers. Occupational Safety and Health Administration (OSHA) 29 CFR 1910 Safety and Health Regulations for Personal Protection, Safety Color Codes, Portable Power Tools, Electrical Safety and Portable Electric Equipment. The Contractor should maintain free and unobstructed access to facility emergency services and for fire, police and other emergency response forces in accordance with NFPA 241.

The Contractor shall be fully licensed to purchase and apply pesticides as required by Federal, State, City, and County, laws and regulations. The Contractor shall fully comply with all applicable Federal, State, City, and County, laws and regulations. The Contractor shall provide, as part of their offer, a list of tools and equipment to be used during the course of the contract. The Contractor shall verify in writing that this equipment is in safe operating condition.

The Contractor shall comply with all Federal, State, City, and County regulations regarding the use of Personal Protective Equipment (PPE) for all contract personnel. All Personal Protective Equipment is provided by the Contractor. Contractor’s employees shall wear all required safety equipment such as goggles or face shield, hearing protection, hard hats, respirators, if required, and uniforms identifying them as an employee of the Contractor. The Contractor shall be responsible for providing and maintaining fire extinguishers, and other safety equipment for Spill Prevention Control Countermeasures (SPCC). Contractor shall have a Spill Control and Countermeasure Plan (SCCP).

Contractor shall be responsible for maintaining a hazardous chemical list for all chemicals entering the Cemetery. The Contractor must keep all employee training records on site and available for review by the COR. SDS (Material Safety Data Sheets) are required on-site for all chemicals, pesticides, herbicides, and cleaning solutions. Contractor shall be responsible for maintaining monthly fuel tank inspection reports and shall have records available for review by local authorities during site safety inspections. The Contractor shall be responsible for training and safety precautions prescribed by OSHA standards.

The Contractor shall be responsible for safely storing any chemicals, pesticides, herbicides, cleaning solutions, and other hazardous materials in accordance with manufacturers printed instructions. The Contractor shall maintain a binder with SDS (Safety Data Sheets) for all chemicals, pesticides, herbicides and cleaning solutions stored and used on site stored in the maintenance area with telephone numbers of poison control centers to call in case of an accident. The Governments Environmental Management System Coordinator will make periodic inspection on the storage of hazardous chemicals, etc. The Contractor shall take corrective action immediately to remedy any deficiencies with safeguards to protect personnel and the environment.

4.1.20 PROTECTION & CLEAN UP: The Contractor shall leave all work areas free of debris and in the same condition as before the work commenced. The Contractor shall take all necessary precautions to protect monuments, headstones, markers, vegetation, and structures as appropriate, in the immediate work area(s). The Contractor shall not use any herbicide in either granular or liquid form that will stain or discolor any headstones and will notify the COR of all materials scheduled for use on mineral mulch before any application. Contractor shall be responsible for cleaning cemetery structures, headstones, monuments, and roadways that are soiled or stained because of Contractor's performance. The Contractor shall wash-down with water all soiled or stained structures, headstones, and monuments at the end of each workday. No unapproved hazardous chemicals are to be used at any time on Government property. The Contractor shall bear all costs associated with washing and cleaning. Any such washing/cleaning shall be brought to the immediate attention of the Contracting Officer Representative (COR) prior to washing/cleaning.

4.1.21 MAINTENANCE DURING CEMETERY FUNCTIONS: The Contractor shall coordinate a work schedule with the COR(s) daily to ensure that no work is being performed at the immediate site of a scheduled interment. These daily meetings are also an opportunity for the Contractor to ask questions and ensure he/she understands the off-limit areas, which may vary, depending on the event. The Contractor is solely responsible for ensuring that no contract work causes any funeral, service, ceremony, procession or visitation to be delayed, altered, or otherwise impacted in such a way that the dignity or security of the event is compromised. The Contractor is solely responsible for staying abreast of all such upcoming events and when in doubt, he/she must ask the COR(s) for information/details.

The Contractor shall meet with the COR at the end of each day to determine work completed and ensure that work is on schedule. In the absence of the COR, the Contractor shall meet with an Alternate COR.

Contractor personnel shall not operate motorized equipment or conduct other commercial activities within the designated area during interment services. The COR will set up the designated area. The COR or his/her representative shall furnish the Contractor with a schedule of all interments and/or ceremonies no later than 8:30 am on the date of the scheduled interment, and a minimum of three (3) days before any ceremonial events.
Note: To cause the least possible interference with cemetery activities, contract personnel will stop (cease) all work in areas where burials are taking place. As a general "rule-of-thumb", work shall not take place within 1,000 feet of an ongoing committal service or ceremony. The Site Manager shall re-direct work throughout the rest of the Cemetery so that productive use of labor and equipment is assured, and downtime is avoided. If the Contractor fails to re-direct employees away from an event in a timely fashion, the COR may then do so.

4.1.22 PERFORMANCE EVALUATION MEETING: The issuance of a Contract Discrepancy Report (CDR) may be cause for the scheduling of a meeting among the Contractor, Contracting Officer, and the COR to evaluate Contractor performance of the contract. A mutual effort will be made to resolve all problems identified. The Government will prepare written minutes of the meeting. The Contractor, Contracting Officer, and the COR will sign minutes of the meeting(s). Minutes of the meeting (s) will be signed by the Contractor, Contracting Officer, and the Contracting Officer Technical Representative. Should the Contractor not concur with the meeting minutes, he/she will state in writing to the Contracting Officer within ten calendar days any areas he/she does not concur and explain the reasons for non-concurrence. The Contracting Officer will review and consider the reasons submitted for the Contractor's non- concurrence and make a decision. The Contracting Officer will notify the Contractor of the decision in writing within ten calendar days.

4.1.23 ACTIONS: Normally, the COR will verbally advise or give a written inspection report to the Contractor of discrepancies the first time they occur and ask the Contractor to correct the problem. A notation will be made on the COR checklist of the date and the time the deficiency was discovered and the date and time the Contractor was notified.

When the Contractor is not meeting the limits of satisfactory performance, a CDR will be issued to the Contractor. The seriousness of the failures should govern whether to issue CDR at the end of the period, or as soon as the limits of satisfactory performance are exceeded.

4.1.24 SUPERINTENDENT & CREW FOREMAN: The Contractor shall provide a superintendent and a crew foreman who shall each have a minimum of two (2) years experience as a direct supervisor of commercial Landscape Maintenance/Construction operations. Both the superintendent and

the crew foreman shall speak fluent English. The superintendent and/or the crew foreman shall be on-site at all times.

The superintendent will be responsible for the following: Directing, overseeing, and coordinating the work involved on a daily basis in accordance with this Performance Work Statement, the daily Interment Schedule, and the Cemetery Grounds Management Plan. Staying abreast of all upcoming cemetery functions including special holiday events, burial activities and floral regulations. Ensuring that grounds maintenance work does not cause any burial, committal service, ceremony, funeral procession or visitation to be delayed, altered, or otherwise impacted in such a way that the dignity, security, or safety of the event or visit is compromised.

4.1.25 CHANGES TO THE PERFORMANCE WORK STATEMENT: Any changes to this Performance Work Statement (PWS) shall be authorized and approved only through written correspondence from the Contracting Officer. The Contractor shall contact the Contracting Officer on all matters pertaining to administration. Only the Contracting Officer is authorized to make commitments or issue changes, which will affect the price, quantity, or delivery terms of this contract. A copy of each change will be kept in a project folder along with other products of the project. Costs incurred by the contractor through the actions of parties other than the Contracting Officer shall be borne by the contractor.

4.1.26 COMMUNICATION & COORDINATION OF WORK WITH COR**:** Communication with the COR is strongly encouraged. Burial activities shall take precedence over grounds maintenance activities. Work activity and noise other than that required for the interment services cannot disturb burial ceremony. Trucks and workmen are prohibited from passing through the service area during this period. During the burial section grooming process, the crew foreman shall communicate daily with COR, to ask questions and ensure he/she understands the off-limit areas, which will vary depending upon event.

5. SPECIFIC CONTRACTOR TASKS AND ASSOCIATED DELIVERABLES

BASIC SERVICES: The Contractor shall provide all labor, equipment, materials (unless otherwise specified), and supervision of its employees to perform turf and grounds maintenance and improvement services. Compile and submit a detailed Grounds Management Plan (GMP) within the first 30 workdays following contract award. The Contractor may be asked to provide a quote from time to time. All quotes shall be detailed, itemizing materials and labor. There is no guarantee the Contractor will perform any of the repairs they recommend or quote. Services required include: Headstone Services; Gravesite Maintenance; Turf & Grasses Maintenance; Tree, Shrub & Planting Bed Maintenance: Irrigation System Services; Drainage System Maintenance; Trash & Debris Removal; Pavement Sweeping & Cleaning; Structure Cleaning & Light Maintenance; and Ceremonies Assistance

in accordance with National Cemetery Administration (NCA) Standards. NCA Standards shall control and supersede any inconsistency, conflict, or ambiguity with PCD Operating Procedures.

5.1.1 HEADSTONE SERVICES

General Requirements:

- Setting New & Replacement Headstones
- Headstone Raise & Realignment
- Headstone Fine Tuning Alignment
- Headstone Cleaning

5.1.2 GENERAL: Work consists of setting new or replacement headstones on gravesites and resetting or realigning those already in place that have shifted out of vertical or horizontal alignment. It includes reporting physical defects to the Contracting Officer or his/her authorized representative.

5.1.2.1 The type of headstone to be used will be determined by the Contracting Officer Representative (COR) through direction of the National Cemetery Administration, Central Office (in accordance with the general plan of the cemetery).

5.1.2.2 **Definition:** The term “Headstone” and “Marker” when used generically, includes both upright headstones and flat marker headstones. Work in this project includes only Upright Headstones. Standard upright marble headstones are approximately 42 inches long, 13 inches wide, 4 inches thick, and weigh approximately 230 pounds each.

5.1.2.3 Install headstones within five (5) working days of delivery to the Cemetery as weather and soil conditions permit. Clean headstones after setting. Include the cost for replanting sod around the headstone and headstone cleaning in the work of headstone setting.

5.1.2.4 Repair turf damaged in the process of installing headstones at no additional cost to the Government.

5.1.2.5 **Acceptability**: The "Setting & Alignment" of new or replacement headstones is considered "acceptable" when the Contractor clearly evidences compliance in meeting contract requirements.

5.1.2.6 **Inspection & Acceptance:** Acceptance is defined as the point in time which the COR has determined the work performed is satisfactory. The Government reserves the right to inspect any/all services rendered and either reject or require correction when headstone setting & alignment are not in conformity with contract specifications.

5.1.2.7 Headstones that are set by the Contractor must maintain the proper height and alignment for a period of 90 days after being initially set. Correct settlement or misalignment of headstones during this 90-day period at no additional cost to the Government. The Government may require the contractor to re-perform any non-conforming services at no increase in contract price.

5.1.1 SETTING NEW & REPLACEMENT HEADSTONES

CLIN 0001 – Upright Headstone Setting – Est. Qty. 1800 Each
Subject to DBA, Construction Provisions/Clauses, and FAR 36 requirements

5.1.1.1 The Cemetery is responsible for ordering headstones, checking for proper wording spelling.

5.1.1.2 Headstones are delivered by the vendor to the Cemetery and received by the Cemetery Staff. Cemetery Staff will inventory and inspect headstones for damage immediately upon receipt. Cemetery Staff will inventory and inspect headstones for proper wording within two (2) days after receipt.

5.1.1.3 Contractor will remove glue or crating material from the headstones that has adhered to the surface.

5.1.1.4 Contractor to protect headstones during transporting or storage of headstones from damage and staining from crating materials and from the weather. Place each stone so as to rest flat. Bear the cost for replacement if there is any breakage or damage in any form due to the Contractor's handling or negligence. The COR will designate a suitable area for storage of the headstones at the Cemetery. Initial inspection must be accomplished by COR and contractor's representative upon receipt. Do not set defective headstones. The Cemetery will order replacement headstones.

5.1.1.5 Contractor to erect headstones in appropriate places within five (5) working days of receipt, or if weather or soil conditions prohibit this time frame, as soon as practicable after receipt. See 5.1.2 Headstone - Raise, Lower, Realign & Reset for specific procedures for setting each type of headstone.

5.1.1.6 Contractor to inform the COR if existing trees or shrubs obstruct headstone setting. The COR will determine remedial action, and any modification needed for installation of the headstone.

5.1.1.7 Contractor to lift, transport and set headstones by at least two (2) people unless special one-person lifting devices are approved. When consisting merely of straightening the headstone, one person may realign them.

5.1.1.8 Contractor will realign older markers laterally, transversely and diagonally in the same manner as new headstones.

5.1.1.9 Contractor will identify damaged markers and immediately notify the COR. Do not set damaged or incorrectly inscribed markers. Destroy damaged, defective and incorrectly inscribed markers upon the receipt of the new marker. Destroy by breaking the marker with a maul or sledge hammer to be totally unreadable. Remove the resultant debris from the cemetery grounds in a lawful manner.

5.1.1.10 Contractor to set replacement marker(s) within five (5) working days after receipt at the cemetery.

5.1.1.11 Contractor reports on the Marker Weekly Inspection report to the COR the following:

Number of headstones raised and what section
_____(Upright) _____Section

Number of headstones realigned and section
_____(Upright) _____Section

5.1.1.12 If there is a problem with realigning a specific marker, contractor will send a report to the COR providing a detailed explanation, the reasons the marker was not realigned.

5.1.1.13 Warranty headstones set for a period of 90 days; realign headstones during this warranty period at no additional cost to the Government.

5.1.1.14 Adjust, raise and realign newly set headstones due to initial settling, improper compaction or Contractor error. Work to do so will not constitute Headstone Raise, Lower, Realign, Reset, Backfill as described in the Price/Cost Schedule and must be at the Contractor's expense.

5.1.1.15 Repair turf damaged in the process of installing headstones at no additional cost to the Government.

5.1.1.16 REMOVAL OF HEADSTONES

5.1.1.16.1 This process involves the removal of any headstone associated with a second interment or to gain access to an area within an interment area:

5.1.1.16.2 The COR, or his/her designee, will identify headstone(s) to be removed.

5.1.1.16.3 Pull headstone(s) to gain access to the location(s) identified.

5.1.1.16.4 Once removed, headstones must not leave the gravesite unless the headstone needs additional inscription work.

5.1.1.16.5 If additional inscription work is required, relocate removed headstones to the maintenance yard for destruction, or transport them to the inscription area.

5.1.1.16.6 Once work is completed in the area, reset the original or replacement headstone(s) and the 90-day warranty period will begin.

5.1.1.17 DISPOSAL OF HEADSTONES

5.1.1.17.1 Once the COR or his/her designee has identified a headstone for disposal, take the following actions:

Move the headstone to an area of the maintenance yard located out of the view of the general public.

Break the headstone into pieces so that the inscriptions are not legible.

Bury the broken headstone pieces or remove from the site in a lawful manner as approved by the COR.

Headstones must not be used for any purpose other than their intended use.

Maintain a log of all disposed headstones. This log must track the Name, date of disposal and the location of disposed headstone and be available at anytime for review. The number of disposed headstones will be provided in the daily contractor work report.

5.1.2 HEADSTONE – RAISE, LOWER, REALIGN & RESET

5.1.2.1 GENERAL: Work consists of raising, lowering, realigning and resetting existing markers.

5.1.2.2 Standard upright marble headstones are approximately 42 inches long, 13 inches wide, 4 inches thick, and weigh approximately 230 pounds each.

5.1.2.3 ACCEPTABILITY: The "Raise, Lower, Realign & Reset" (R&R) of existing headstones is considered "acceptable" when the Contractor clearly evidences compliance in meeting contract requirements.

5.1.2.4 Headstones must maintain the proper height and alignment for a period of 90 days after being initially set. Correct settlement or misalignment of headstones during this 90-day time at no additional cost to the Government.

5.1.2.5 INSPECTION & ACCEPTANCE: Acceptance is defined as the point in time which the COR or designee has determined the work performed is satisfactory and meets the criteria set forth in the contract. The Government reserves the right to inspect services rendered and either reject or require correction when Raise, Lower, Realign & Reset are not in conformity with contract specifications.

5.1.2.6 The Government may require re-performance of non-conforming services at no increase in contract price.

5.1.2.7 REPORTING

5.1.2.8 RECORD KEEPING AND REPORTING: Provide the COR with weekly written accurate reports detailing the burial section and range of headstones raised and realigned during that specific week. These lists must be provided on not less than a weekly basis and must identify all of the above work that took place within the previous seven calendar days. Upon COR's request, provide a plan of action for the upcoming week, indicating headstone/marker locations and specific areas where work is scheduled to occur.

5.1.2.9 Carefully remove temporary markers, floral, commemorative, or other types of decorations (arrangements) causing interference with the raise and realignment of upright headstone operation in an orderly manner. Upon completion of work, move them back to the gravesites. Prior to removal, verify the numbering sequence and location of the headstone and associated decorations.

5.1.2.10 Report headstones broken or damaged during raise & realignment to the Cemetery Director or COR by close of business each working day in order that the grave can be properly marked and a new headstone ordered. Reimburse the Government for the cost of the headstone replacement and set the replacement headstone. Headstone replacements must be coordinated with the COR. Replace grid or sectional monuments disturbed, displaced or broken. Retain the services of a licensed land surveyor to reset grid or sectional monuments disturbed during raise & realignment of headstones. Repair curbs, roads, walks, turf, trees, utilities existing above and below the ground damaged or disturbed during performance of contract work at no additional cost to the Government. Repairs to the above must be completed by the Contractor within fourteen (14) workdays, unless otherwise agreed to with the COR.

5.1.3 UPRIGHT HEADSTONES RAISE/LOWER/REALIGN & RESET

CLIN 0002 – Est. Qty. 250 Each

Subject to DBA, Construction Provisions/Clauses, and FAR 36 requirements

5.1.3.1 OVERVIEW: This section outlines Upright Headstone realignment requirements. Raise, Lower, Realignment, Reset, and Backfill services consist of extracting, resetting, aligning backfilling and tamping/compacting upright headstones that are already in place which have shifted out of vertical and/or horizontal alignment and plumb, as well as inventorying and assuring accurate placement of gravesites. Provide all supervision, professional advice/guidance, labor, parts, materials, equipment, and personnel necessary to provide the services defined herein.

5.1.3.2 REMOVAL/HANDLING/STORAGE OF HEADSTONES: If headstones are to be removed, verify the accuracy of headstones prior to their removal using gravesite layout maps provided by the COR. Do not remove headstones from the burial section. Place headstone flat side down on the adjacent row when necessary. Do not lean headstones against any object. Headstones must be handled and stored in a dignified manner.

5.1.3.3 Remove headstones from their sockets by using wooden and/or metal clamps. Protect the area of metal clamps that comes into contact with the headstone with a rigid fabric that will prevent damage to, and marring of, the headstone. Clamps may be attached to a track loader or similar machine to extract headstone from socket. Use care not to scratch or damage headstones in any manner. Restore damage caused to headstones and turf during performance of this work. Raise and/or lowered headstones in the following manner; (Note: In areas where smaller than standard size headstones occur, coordinate specific measurements and dimensions of required work with COR.) The COR will determine the specific height for resetting upright headstones between 24 and 26 inches above topsoil level.

5.1.3.4 SHALLOW AND CORRECT DEPTH HEADSTONES SET IN EARTH: Dig earthen sockets to a depth of 21 inches below finished grade. Place minimum 3-inch-deep base of 3/4-inch minus crushed aggregate material and compact to 95 percent relative density such that a consistent topline height (± 1/8-inches) between 24-26 inches of the headstone will extend from the finish grade to the top of the arc on the headstone. For example, if a height of 25 inches is selected for a section, headstones in that section must be initially set between 24 7/8-inches and 25 1/8-inches. Place aggregate base material around all sides of the headstones in 3-inch lifts and compact to 95 percent relative density, leaving the last 6 inches for placement of topsoil. Compact topsoil to 85 percent relative density and re-establish turf by seed or sod per “Turf Renovation”.

5.1.3.5 DEEP HEADSTONES SET IN EARTH: Fill earthen sockets to a depth of 18 inches below finished grade. Place minimum 3-inch-deep base of 3/4-inch minus crushed aggregate material and compact to 95 percent relative density such that a consistent topline height (± 1/8-inches) between 24-26 inches of the headstone will extend from the finish grade to the top of the arc on the headstone. For example, if a height of 25 inches is selected for a section, headstones in that section must be initially set between 24 7/8-inches and 25 1/8-inches. Place aggregate base material around all sides of the headstones in 3-inch lifts and compact to 95 percent

relative density, leaving the last 6 inches for placement of topsoil. Compact topsoil to 85 percent relative density and re-establish turf by seed or sod per "Turf Renovation".

5.1.3.6 FOR STRAIGHT ROWS: Headstones must be set vertically plumb in all directions, in all cases in a line vertically and laterally, and where possible transversely (coordinate with COR), with headstones of other graves using a top string, a back of headstone string line, and a side of headstone string line. Maximum vertical, lateral, and transverse tolerance of any headstone off the alignment string lines and/or marks must be 1/8-inch or less. All measurements and string line set ups must be taken from established section layout control points, not from previously set headstones or keystones, unless otherwise directed by the COR. In irregular terrain where sloping and uneven ground conditions exist, all headstones must be set at proper heights and levels to provide a flowing transition through uneven terrain. Raised and realigned headstones in all soil and terrain conditions must be firmly in place so that the headstones are rigid with no give or play. Headstone vertical alignment must be further measured by use of an electronic/digital level, with tolerance between 89-90 degrees plumb.

5.1.3.7 In cases where headstone sockets need to be realigned/shifted, and/or re-dug, the headstone sockets (holes) to receive headstones must be dug by hand and/or mechanical devices to a sufficient depth so that a consistent topline height (± 1/8-inches) between 24-26 inches of the headstone is extending from the soil level to the top of the arc on the headstone. Do not dig a headstone socket wider than twelve (12) inches, twenty (20) inches in length, or exceed a depth of 21 inches that may cause the headstone to settle below height requirement.

5.1.3.8 The measurements between rows of headstones and headstones within each row may differ from one section to the next due to the use of differing burial patterns; discuss with COR where this is found to occur. These measurements must be adhered to as closely as possible. Accurately and precisely reinstall headstones on the correct gravesites with the utilization of gravesite layout maps.

5.1.3.9 Headstones are chosen to be "key" stones. All headstones determined to be keystones are stones identified by the COR that are set off the burial section's permanent control markers. All keystones are to be identified at beginning, middle, and the end of 72-feet grids. These keystones are to be aligned by leveling front and back and side-to-side and raised or lowered to a height of 24-26 inches above topsoil level. Constant quality control is to be maintained and is required on all keystones.

5.1.3.10 At the start of work in each burial section, the first row of reset/realigned headstones in each burial section is to be inspected by COR for appearance, spacing, depth, alignment, plumbness, height, accuracy, and smoothness in grade transition. No further setting of headstones must be done until this first row has been inspected and accepted by the COR. If the first row is rejected by the COR, the contractor must at no additional cost to the Government reset the rejected stones before proceeding in that section. Notify the COR 24 hours in advance of when each of these inspections will be needed.

5.1.3.11 Run heavy strings or lines along the backs, sides, and tops of these keystones. The string or line is to be provided by the contractor and must be approved for use by the COR before use. Use steel tape measures to set distances for setting headstones. Distances are determined by gravesite size. Set up tape measures over gravesite grid control markers. Check for square

with a diagonal measurement using the Pythagorean Theorem. Set height string as follows: at one end of the horizontal row of headstones approximately 1 foot past the vertical string line place a piece of rebar firmly in the ground it needs to be in line with the center of the first headstone; repeat this process every ten headstones or every five if windy. Measure from top of control marker up 25 inches and tie off a string line to act as your height-line; repeat this process at each piece of rebar until you reach the end of the row. Raised or lower each headstone as necessary to ensure a uniform measurement between 24-26 inches above topsoil level.

5.1.3.12 For horizontal alignments, mark the strings lines with the proper measurements (size of section) for the section being aligned. Align all remaining headstones in the row along the strings front to back and side-to-side even with the measured marks on the line. Leveled and plumb each headstone front to back and side-to-side keeping the back of the headstone along the string and the side of the headstone along the measured mark. Maximum vertical, lateral, and transverse tolerance of any headstone off the alignment string lines and/or marks must be 1/8-inch, or less. Align the headstone in the column along the string front to back and side-to-side even with the measured mark on the line. The headstone is leveled and plumbed front to back and side-to-side keeping the back of headstone along the string and the side of the headstone along the measured mark.

5.1.3.13 Check the alignment of the headstones frequently during this process because the tamping may move the headstone out of level or off the mark on the line. This process of raising and realigning is repeated for each row of headstones. Upright headstones in all completed work areas must be firmly set and anchored in place with no movement from forces subjected by the COR. The Government reserves the right to require the contractor to pull suspect stones to verify that the correct base material and specified depths have been achieved. Any stone pulled under this requirement will be pulled and reset at no additional cost to the Government.

5.1.3.14 If this is a replacement headstone set to match the height of existing headstones. Each headstone is leveled and plumbed front to back and side-to-side. New and replacement headstones in old sections of the cemetery where existing stones have not been and cannot be set at the standard height, shall be set at the same distance above the ground as the adjacent headstones, provided they can be set with the inscription above the ground level. In new sections of the cemetery, all upright headstones shall be set at a height of 24 inches from the finished grave to the top of the arc.

5.1.3.15 Where headstones have been previously set at other heights above grade, but in general, at a uniform height throughout an area, and otherwise present a neat overall appearance with the inscription visible, resetting for the sole purpose of attaining the stated height is not necessary. The nominal height of 24 inches given for the current standard of headstone setting is the standard height. Minor deviations in the less than nominal height are permissible to provide a uniform appearance in the top line to compensate for slight ground rises or depressions within a burial section.

5.1.4 HEADSTONE FINE TUNED ALIGNMENT

CLIN 0003 – Est. Qty. 1000
Subject to SCA and Commercial Provisions/Clauses

5.1.4.1 Headstone Fine Tuned Alignment is a minor alignment process that does not require the upright headstone to be removed from the original socket.

5.1.4.2 Fine Tuned Alignment shall either be accomplished by one person or a two-person team as follows:

5.1.4.2.1 **One person:** Set up and use strings lines or lasers to provide realignment guides.

5.1.4.2.2 **Two-person Team:** One person must stand in the row/column where headstones need adjusting approximately 10 headstones distant to instruct the second person which direction the subject headstone should be adjusted. The second person must adjust each upright headstone to align vertically with adjacent headstones in the same row and column.

5.1.4.3 Use a wood lever such as a 2x4 or wheelbarrow handle (flattened on one side), or metal pry bar to adjust each upright headstone to align vertically with adjacent headstones in the same row and column. Care must be taken to wrap the bar or tool to ensure it does not damage or mar the headstones.

5.1.4.4 Once the headstone has been satisfactorily adjusted so it is aligned with the other headstones in the same row and column, a tamping tool must be used to tamp around the base of the headstone so soil is compacted sufficiently to prevent shifting.

5.1.5 HEADSTONE CLEANING and MAINTENANCE

CLIN 0004 –Qty 12 Months
Subject to SCA and Commercial Provisions/Clauses

5.1.5.1 GENERAL: Work consists of cleaning all markers as specified by the Contracting Officers Representative (COR) to remove objectionable material and discoloration, such as accumulations of animal droppings or mud, tire and hose markings, grass stains, residue from trees, fungus, lichens, and other biological activity. (*See Appendix for estimated quantities of marked gravesites requiring headstone cleaning, (i.e., upright markers; flat markers; niche covers; and memorial markers.*)

5.1.5.2 Approximately 1000 headstones must be scheduled to be cleaned per month.

5.1.5.3 Clean headstones identified by the COR thirty days prior to Memorial Day and Veteran's Day and any other times as determined by the Contracting Officers Representative (COR). Each headstone must be washed with cleaning agent and pressure washing one time per year at a minimum. The natural surfaces must be retained. They must not be bleached, painted, whitewashed or calcimined.

5.1.5.4 Promptly clean headstones that have any dirt splash-up or grass debris from mowing/trimming from the grounds maintenance contractor operations when found.

5.1.5.5 MINOR HEADSTONE CLEANING: Clean by dry brushing headstones that have objectionable accumulations of dust, bird droppings, sap or other naturally deposited dirt & debris. Remove with a wet brush and rinse with water debris that cannot be removed by the dry brush

method. The headstones most affected are those directly beneath trees and adjacent to roadways.

5.1.5.6 Realign headstones that become misaligned during contractor headstone cleaning operations per "Headstone Raise, Lower, Re-align & Reset" at no additional cost to the Government

5.1.5.7 Protect the turf area from any damage with protection boards or rubber mats. Any turf that is damaged must be restored at no additional cost to the Government per "Turf Renovation".

5.1.5.8 Do not use abrasive blasting and abrasive cleaning solutions to clean headstones.

5.1.5.9 Report the condition of all headstones to the COR monthly using Headstone, Marker and Niche Cover Maintenance Checklist. (See Attachment 'D'.) The COR will train the Contractor in the proper use of this form.

5.1.5.10 UPRIGHT MARKER CLEANING

5.1.5.10.1 Use only Government-approved cleaning agent and clean water to clean headstones. Cleaning techniques with water may include high pressure spraying, scrubbing and rinsing.

5.1.5.10.2 When pressure washing is utilized, the pressure must not exceed 800 psi. Excessive soiling may be removed with plain water and a stiff brush (no wire brushes), followed by rinsing with clear water.

5.1.5.10.3 If water used in cleaning should soften the soil around the base of the headstone loosening the headstone, take care not to tip the stone out of plumb or alignment.

5.1.5.10.4 Use a cleaning product specifically designed to clean headstones. Acceptable Products: D/2 Biological Solution by D/2 Biological Solutions, Inc.; Weatherzyme' by United Laboratories, Inc.; or COR-approved equal. Follow manufacturer's printed instructions for product mixing and application. Protect turf from injury. Avoid contact between cleaning agent and turf exposed to direct sunlight. Initially clean two headstones using the approved cleaning agent as a test area to determine efficacy of cleaning and to observe damage done to turf. COR will inspect and track results. Discontinue use of cleaning agents that are not producing satisfactory results and/or are damaging turf. Continue with cleaning of headstones as approved by COR.

5.1.5.11 MINOR HEADSTONE CLEANING

5.1.5.11.1 Clean headstones soiled by excessive accumulation of dust, bird droppings, sap, and other dirt & debris as approved by the COR.

5.1.5.11.2 Use a dry medium-stiff bristle brush to remove detritus. Wire brushes are not allowed.

5.1.5.11.3 When the dry brush method does not achieve satisfactory results, use a wet brush and clean water to clean headstones by scrubbing and rinsing.

5.2 GRAVESITE MAINTENANCE

CLIN 0005 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

General Requirements:
- Sunken Grave Renovation (Full Casket Gravesites)
- Sunken Grave Renovation (In-Ground Cremains Gravesites)

5.2.1 SUNKEN GRAVE RENOVATION

5.2.1.1 A sunken grave is defined as any gravesite that has subsided two (2) inches or more from the existing adjacent grade. Standard graves excavated and backfilled are approximately 5 feet wide and approximately 10 feet long.

5.2.1.2 Inspect the cemetery no less than weekly for holes, washouts and sunken graves. (See Appendix for estimated quantities of sunken gravesite in need of repair annually.)

5.2.1.3 Identify on the weekly report by section and headstone number all sunken grave sites in need of renovation. Repair sunken graves within 15 days of identification.

5.2.1.4 TURF BURIAL SECTIONS: Cut and remove all turf from the gravesite where the sunken grave has occurred, (e.g. remove 5 feet by 10 feet rectangular area of turf from the gravesite).

5.2.1.5 Backfill with COR approved soil and tamped to within twelve (12) inches of finish grade. Place and tamp amended topsoil to bring the gravesite to final grade. The disturbed area must then be raked free of stones and any debris larger than one-half (1/2) inch measured in any direction.

5.2.1.6 Replant turf on gravesites by seed or sod per “Turf Renovation”.

5.2.1.7 Backfill with COR-approved soil and tamp to within three (3”) to four (4”) inches of finish grade.

5.3 TURF & GRASSES MAINTENANCE

CLIN 0006 – TURFS AND GRASSES MAINTENANCE Qty 12 Months
Subject to SCA and Commercial Provisions/Clauses

General Requirements:
- Turf Renovation
- Turf Maintenance – Fertilization
- Turf Maintenance – Pest Control
- Turf Maintenance – Mowing, Trimming & Edging
- Turf Maintenance – Aerification
- Turf Maintenance – Topdressing
- Turf Maintenance -- Dethatching

5.3.1 TURF RENOVATION

5.3.1.1 Work consists of ground preparation and seeding/sodding of areas of the cemetery where the turf is thin, has died, has become infested, or otherwise needs renovation. (See Appendix for approximate square-feet of turf that will need renovation each year.)

5.3.1.2 The Contractor must be responsible for the removal and disposal of any weeds, dead turf, and must use quality topsoil and compost/seed topper in performance of the seeding]/sodding.

5.3.1.3 All newly dug or refilled graves must be re-planted with turf by seed/sod.

5.3.1.4 Turf damaged by the process of Upright Headstone Raise & Realignment must be repaired as per "Seeding of Individual Gravesites".

5.3.1.5 The finished grade of each gravesite must conform to the height and alignment specifications as expressed in "Headstone Setting and Realignment" section of this contract.

5.3.1.6 DEFINITIONS:

5.3.1.7 **Turf:** Turfgrass, grass, lawn. Any ground cover consisting primary of cultivated turfgrass species, such as perennial ryegrass and fescue.

5.3.1.8 **Interseeding:** The practice of seeding the same species into itself for the purpose of increasing stand density and recovery of lost grass.

5.3.1.9 **Overseeding**: The practice of seeding another species over an existing stand to produce viable turf when the existing stand has become dormant.

5.3.1.10 **Irrigated Turf**: Lawn that has permanent irrigation system installed.

5.3.1.11 **RTF:** Rhizomatous Tall Fescue. Turf-type tall fescue which produces rhizomes, underground stems that penetrate laterally through the soil to spread the plant while sending shoots up to the soil surface, forming a new plant.

5.3.1.12 **Full Sun Areas:** Areas receiving more than 5 hours of direct sunlight per day.

5.3.1.13 **Part Sun Areas**: Areas receiving less than 5 hours of direct sunlight per day normally due to shade from tree canopies.

5.3.1.14 **Topsoil:** ASTM D 5268; natural or cultivated surface-soil layer containing organic matter and sand, silt, and clay particles, conforming to USDA classification for Loam or Sandy Loam; friable, pervious, and compatible in texture with the existing soil to prevent a perched water table; ECe less than 3 mmhos/cm; a minimum of 2 percent/maximum of 10 percent organic material content; pH range between 6 and 8; reasonably free of subsoil, clay lumps, gravel, rocks and other objects more than 13 mm (1/2-inch) in any dimension; and free of weeds, roots, and other extraneous materials harmful to plant growth.

5.3.1.15 **USDA**. United States Department of Agriculture.

5.3.1.16 **ASTM**. American Society for Testing and Materials.

5.3.2 TURF RENOVATION - IRRIGATED TURF

5.3.2.1 VEGETATION REMOVAL:

5.3.2.2 Apply herbicide in a minimum of two applications. Do not turn off the irrigation system until just before the first application of the herbicide. Do not mow the area before application of herbicide. This will allow the turf/weeds to absorb the maximum amount of herbicide.

5.3.2.3 While the turf is still actively growing, the entire vegetated area must be sprayed with a non-selective herbicide (Glyphosate derivative). Application rate must be at the maximum label recommended rate for the complete elimination of the existing turfgrass and weeds. Product label instructions must be followed for elapsed time before moving to the next procedure to allow the herbicide to fully affect the plant material (approximately 10 to 14 days).

5.3.2.4 After the elapsed time for burn out, the area must then be irrigated to encourage growth of any remaining plant material. When there is sufficient re-growth, the area will be retreated

with the non-selective herbicide, again following the product label directions for time to elapse for the herbicide to fully affect the plants.

5.3.2.5 Power rake or verticut the entire area to loosen residual plant debris. Remove plant debris and dispose of as indicated for green waste in a legal manner.

5.3.2.6 SOIL PREPARATION

5.3.2.7 SOIL TESTING**:** *(See requirements of "TURF MAINTENANCE – FERTILIZATION".)*

5.3.2.8 Soil Amendment: Manage the Ecofert soil amendment system for soil amendments.

5.3.2.9 FINE GRADING:

5.3.2.10 Restore the soil to an even condition before seeding/sodding by rolling in several directions with a standard turfgrass roller filled with water.

5.3.2.11 All irregularities in the finished surface must be corrected to eliminate depressions and high spots. Fill low spots with high quality topsoil, similar to the soil already present, to eliminate the depressions and achieve the desired finish grade.

5.3.2.12 Finish grades adjacent to paving and curbs must be the proper distance below the top of paving to allow for the placement of seed and compost or sod.

5.3.2.13 The finished seed/sod bed must be fine in texture and firmly compacted and free of any plant material, rocks or other debris greater than one-half (1/2) inch.

5.3.2.14 Prepared seed/sod bed areas must be protected from damage by vehicle or pedestrian traffic.

5.3.2.15 SODDING:

5.3.2.16 SOD: Sod must be produced from stolons and State-certified. The composition of the grass species in the sod must match existing grass species and cultivars. The sod must be certified weed and pest-free. The grass must be a blend of three regionally adapted cultivars.

5.3.2.17 Prior to delivery of sod, the COR must inspect the work area. Any discrepancies in the ground preparation must be corrected prior to laying sod in the work area.

5.3.2.18 Prior to installation of the sod, the COR must have the right to inspect and to assess the condition and quality of the proposed sod. The COR must have the right to reject poor quality sod before installation. The Contractor must warranty the sod for one (1) year from date of Final Acceptance.

5.3.2.19 The sod must be cut as thinly as possible (3/4 to 1 inch) to allow for faster rooting and must be cut and delivered to the work site the same day of installation. The Contractor must make all necessary arrangements to protect delivered sod from excessive drying and wind damage.

5.3.2.20 Sod must be laid expeditiously without interruption, until the work area is completely sodded. Sod must meet elevations of existing adjacent turf.

5.3.2.21 Sod must be laid perpendicular to the direction of the slope with seams staggered and tightly matched and then tamped lightly or rolled to ensure firm contact with the soil with no air gaps.

5.3.2.22 Sod placement must match existing adjacent grades. Sod must be cut and fitted around all markers, headstones and other objects.

5.3.2.23 Sod must be kept continually moist until it is well rooted and able to survive with routine irrigation scheduling.

5.3.2.24 Gaps between sod slabs must be filled with fine, washed, river sand or 50:50/sand:compost mixture. Place soil/compost along any temporary exposed edges of sod to keep the edges from drying out.

5.3.2.25 Any substitution of sod type must be specifically approved by the COR and Pacific District Agronomist in writing.

5.3.2.26 Begin mowing new turfgrass when the leaf blades reach one inch above normal recommended mowing height. Mow at desired maintenance height (***See*** *"Turf Maintenance—Mowing, Trimming & Edging"*). Never remove more than 1/3 of the total foliage length.

5.3.2.27 Continue watering and mowing until the new turfgrass is well-established. If weeds germinate with the turfgrass, do not treat with herbicides until the turfgrass has been mowed at least three times. Then eliminate the weeds by using appropriate post-emergent herbicides in accordance with procedures specified under "Turf Maintenance – Pest Control", (*and as indicated in NCA Handbook 3410–Integrated Pest Management Procedures for VA National Cemeteries).*

5.3.2.28 SEEDING:

5.3.2.29 GRASS SEED: Fresh, clean, dry, new-crop seed complying with "AOSA, Rules for Testing Seed" for purity and germination tolerances. Seed must be labeled in conformance with U.S. Department of Agriculture rules and regulations under the Federal Seed Act and applicable state seed laws. Wet, moldy, or otherwise damaged seed will not be acceptable.

5.3.2.30 SEED SPECIES: Not less than 95 percent germination, not less than 85 percent pure live seed, and not more than 0.5 percent weed seed.

5.3.2.31 SPECIES: Blue Tag certified seed and State-certified. The composition of the grass seed species must be a mix of grass species to match the existing. The grass species must be a blend of at least 3 regionally adapted cultivars. Seed mixes must suit the site's sun exposure; (e.g. where shade is a factor, specify seed mixes for adapted for both sun and shade.)

5.3.2.32 Apply 18:24:12 (N:P:K) granular starter fertilizer at a rate of 5 lbs./1000 sq-ft (200 lbs./Acre). Two surface applications of turf starter fertilizer are required, one immediately prior to seed placement, and another after the first mowing. Split applications such that a maximum of 1 pound of actual Nitrogen is applied per 1000 square-feet of seed bed. Broadcast fertilizers using an accurately calibrated spreader to uniformly apply fertilizer to the designated area.

5.3.2.33 Distribute seed manually with chest spreaders. Apply seed at 8 to 10 lbs./1000 sq-ft (400 lbs./Acre) for bare areas, and at 3 to 4 lbs/1000 sq-ft (150 lbs./Acre) for interseeding.

5.3.2.34 SODDING OF INDIVIDUAL GRAVESITES

5.3.2.35 Prepare sod bed as indicated for "Turf Renovation – Irrigated Turf" beginning with "Soil Preparation," unless noted otherwise.

5.3.2.36 Finish graves must be backfilled with topsoil below the adjacent gravesites allowing for thickness of sod to replant gravesite. Verify sod thickness with supplier.

5.3.2.37 Apply 18:24:12 (N:P:K) granular starter fertilizer at 5 lbs. per 1000 sq-ft. using a calibrated spreader.

5.3.2.38 Plant areas with Sod. The composition of the grass species in the sod must match the existing grass species and cultivars. The sod must be certified weed and pest-free. The grass species must be a blend of three regionally adapted cultivars and must match surrounding turf variety in color and texture.

5.3.2.39 Thoroughly hand water to maintain moist soil conditions until turf is re-established.

5.3.2.40 Hand mow new turf with walk-behind mowers until established to prevent damage from riding mowers.

5.3.2.41 SEEDING OF INDIVIDUAL GRAVESITES

5.3.2.42 Prepare seed bed as indicated for "Turf Renovation – Irrigated Turf" beginning with "Soil Preparation," unless noted otherwise.

5.3.2.43 Finish graves must be backfilled with topsoil to within 3/8-inch below the adjacent gravesites to provide required depth for seed and compost/seed topper to replant gravesite, or to repair turf around headstones associated with a Headstone Raise and Realignment effort.

5.3.2.44 Apply 18:24:12 (N:P:K) granular starter fertilizer at 5 lbs. per 1000 sq-ft. using a calibrated spreader.

5.3.2.45 Seed areas at 8 to 10 lbs. per 1000 sq-ft. using a calibrated seed broadcaster.

5.3.2.46 Cover seed with approximately 1/2 inch of approved organic compost. Compost must be 100% organic humus from green waste compost, black or darker shade of brown in color, free of twigs, leaves, animal manures, and objectionable odors. Compost must be U.S. Composting Council Certified.

5.3.2.47 Alternatively, protect seeded areas with erosion-control blankets and fastened with biodegradable materials according to manufacturer's written instructions.

5.3.2.48 Thoroughly hand water to maintain moist soil conditions until turf is re-established. Keep seed and seedlings moist until turf is established.

5.3.2.49 Do not mow until grass has reached 4 inches in height. Hand mow new turf with walk-behind mowers until established to prevent damage from riding mowers.

5.3.2.50 INTERSEEDING BY SLIT SEEDING (IRRIGATED AND NON-IRRIGATED TURF)

5.3.2.51 Interseed all non-irrigated turf, and thin or bare irrigated turf, in early fall (late September/early October), and again in early spring (late February/early March) to coincide with annual rainfall. Begin biannual overseeding regime in spring of Base Year and perform in fall and spring every year thereafter as approved by the COR. COR will designate areas of irrigated turf to be interseeded.

5.3.2.52 Apply post-emergent herbicide to kill both broadleaf and grass weed species. Wait until herbicide has effectively killed weeds before proceeding to next step. Reapply herbicide as needed to achieve 90% kill of weed species.

5.3.2.53 Mow existing vegetation as short as possible, 1/2 to 1 inch in height, removing clippings from the site with bag attachments.

5.3.2.54 Verticut the areas to be overseeded to loosen surface soil to a depth of 1-inch, and to rake out loose vegetation. Remove loose vegetation from site. Verticut in two directions at 45 degrees angles to each other. (See "Turf Maintenance – Aeration".)

5.3.2.55 Apply 18:24:12 (N:P:K) granular starter fertilizer at a rate of 5 lbs./1000 sq-ft (200 lbs./Acre).

5.3.2.56 Two surface applications of turf starter fertilizer are required, one immediately prior to seed placement, and another after the first mowing. Split applications such that a maximum of 1 pound of actual Nitrogen is applied per 1000 square-feet of seed bed. Broadcast fertilizers using an accurately calibrated spreader to uniformly apply fertilizer to the designated areas.

5.3.2.57 Interseed cool season turf by mechanical slit seeder with seed mix at 3 to 4 lbs./1000 sq-ft (175 lbs./Acre) for thin turf; and 8 to 10 lbs./1000 sq-ft (400 lbs./Acre) for bare areas. (Interseed warm season turf by mechanical slit seeder with seed mix at 1-1/2 to 2 lbs./1000 sq-ft (90 lbs./Acre) for thin turf; and 3 to 4 lbs./1000 sq-ft (175 lbs./Acre) for bare areas.) or otherwise directed by the COR.

5.3.2.58 Use a slit seeding unit equipped with verticutting blades that cut through existing vegetation and opens up a slit or miniature furrow in the soil. The depth of the slit into the soil must be no more than 1/2 the length of the grass seed husk or otherwise directed by the COR.

5.3.2.59 Make two passes with the slit seeder at 45-degree angles to each other leaving a diamond shaped pattern with the seed placed into the soil at 1/2 inch apart.

5.3.2.60 ESTABLISHMENT

5.3.2.61 Care for turf by watering, mowing, and fertilizing until a healthy stand of turf is established.

5.3.2.62 Hand mow with walk-behind mowers until turf is established to prevent damage from riding mowers.

5.3.2.63 SATISFACTORY TURF

5.3.2.64 Turf installations must meet the following criteria as determined by COR:

SATISFACTORY SODDED TURF: At end of 30 days, a healthy, well-rooted, even-colored, viable turf has been established, free of weeds, open joints, bare areas, and surface irregularities, with coverage exceeding 95 percent over any 10 sq. ft. (0.92 sq. m) and bare spots not exceeding 5 by 5 inches (125 by 125 mm).

SATISFACTORY SEEDED TURF: At end of 30 days, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. (0.92 sq. m) and bare spots not exceeding 5 by 5 inches (125 by 125 mm).

5.3.2.65 GUARANTEE

5.3.2.66 The Contractor, coordinating with the COR, must be responsible for mowing, trimming, and ensuring all new turf areas are automatically irrigated, and maintained in a healthy and vigorous condition.

5.3.2.67 The Contractor must, at his own expense, replace any turf which has died or been damaged within 30 days of being installed.

5.3.2.68 Healthy turf must be re-established within 30 days on all grave re-openers during the growing season.

5.3.2.69 Seeded turf on grave re-openers not established with 30-days must be replanted immediately by sod.

5.3.3 TURF MAINTENANCE – FERTILIZATION

5.3.3.1 Contractors are responsible for maintaining the turf area of the cemetery and the immediate area surroundings of the cemetery in a healthy condition by proper application of fertilizers and soil amendments and soil conditioners indicated in soil tests for each burial section and as described herein. In the case of the Ecofert system not operating, then manual fertilization shall be executed and reported to the COR.

5.3.3.2 FERTILIZER REQUIREMENTS

5.3.3.3 FERTILIZER: Apply through the Ecofert system Phosphorus, Potassium and micronutrient components of fertilizer based on the results and recommendations of soil reports. Apply Nitrogen component through the Ecofert system to include at least 5 to 6 pounds of actual Nitrogen per 1,000 square feet per year. Maintain soil pH at optimal level between 6.3 and 7.5 through the application of pH adjusters.

5.3.3.4 LIME: When pH below 6.5 in soil tests indicates a need for lime, apply lime at the rate and frequency indicated in those tests. Elemental Sulfur: When pH above 7.0 in soil tests indicates a need for elemental sulfur, apply elemental sulfur at the rate indicated in those tests. Limit sulfur applications to 5 pounds per 1000 square-feet every 5 to 6 weeks during the active growing season until the total recommended amount of product has been applied. Gypsum: When soil tests indicate a need for gypsum, apply gypsum at the rate and frequency indicated in those tests. Product must be derived from: Calcium Sulfate and consist of: Calcium (Ca) 21.00%; Sulfur (S) 16.00%; and Gypsum ($CaSO4 \bullet 2H2O$) 60.00%.

5.3.3.5 HUMATES: Where soil tests indicate soil organic matter less than 6%, apply humates at the manufacturer's recommended rates of 750 lbs. per Acre indicated on their printed instructions. Time of application must be immediately after soil aerification. Use a pelletized product for ease of application. The product must be derived from mined Gypsum and have a guaranteed minimum analysis: Calcium Sulfate dihydrate ($CaSO42H20$) 35.00%; Calcium (Ca) 7.00%; Sulfur (S) 5.00%, plus Humic Acids 1.5% derived from Leonardite.

5.3.4 FERTILIZER EQUIPMENT AND SUPPLIES

5.3.4.1 Provide all required chemicals, fertilizers, soil amendments and any other supplies as indicated in the "Turf Application Schedule".

5.3.4.2 Fully utilize the on station Ecofert system for all distribution of soil amendments except for Humate treatment. Water will be furnished by the Government at no cost to the Contractor.

5.3.5 SOIL TESTING

5.3.5.1 Test soils during the base year and every year thereafter. Soil tests must be conducted by a qualified, independent soils and plant laboratory, university laboratory, or an Agricultural Extension recognized by the State Department of Agriculture, with the experience and capability to conduct the testing indicated and that specializes in types of tests to be performed. Soil laboratories affiliated with vendors are not permitted.

5.3.5.2 Provide soil reports and recommendations for each distinct geographic region in the cemetery in each testing year. Soil extractions must be performed in accordance with standard guidelines for agricultural soil sampling and under the observation of the COR. Soil samples must be taken from areas within the cemetery that will properly represent the soil conditions. The soil test reports must clearly identify the cemetery section(s) from which the samples were taken to assist the contractor in the application of specific soil amendments. The soil reports must clearly identify the "crop" (i.e., turf species) and whether the recommendations are for maintenance of existing turf, or planting of new turf. For each soil sample submitted to the laboratory, a minimum of 10 soil extractions must be taken. Extractions may be taken using a standard 12-inch soil core sampler.

5.3.5.3 See the following link for instructions on how to determine areas to be samples and how to take soil samples: General Information (al-labs-west.com)

5.3.5.4 The Contractor must provide a copy of each soil test results and recommendations to the COR and Pacific District Agronomist for record. Provide soil analyses in the form of a graphical report showing:

5.3.5.5 Soil composition (USDA particle size analysis indicating percentages of sand, silt and clay).

5.3.5.6 Percent organic matter.

5.3.5.7 Macro and micronutrient fertility tests as determined by pH.

5.3.5.8 Salinity (ECe).

5.3.5.9 Nitrate nitrogen, ammonium nitrogen, phosphate phosphorous, potassium, calcium, magnesium, soluble copper, zinc, manganese, iron saturation extract, boron and sodium analyses.

5.3.5.10 Exchangeable Sodium Percentage (ESP).

5.3.5.11 Cation exchange capacity (CEC).

5.3.5.12 Sodium Absorption Ratio (SAR).

5.3.5.13 Soil Infiltration Rate Testing.

5.3.5.14 REPORT SUITABILITY OF TESTED SOILS FOR PLANT GROWTH: Based upon the test results, the laboratory must provide recommendations for fertilizers and soil amendments to be applied for the maintenance of healthy turf. For turf renovation, the recommendations of the soil testing must provide soil preparation amendments for planting of new turf.

5.3.5.15 State recommendations for macro and micronutrients in pounds per 1,000 square foot or tons per acre, as necessary to correct soil nutrient deficiencies.

5.3.5.16 State recommendations for soil amendments to be added in pounds per 1,000 square foot or tons per acre to adjust soil pH to within the optimal range for turfgrass health.

5.3.5.17 State recommendations for soil amendments to be added in pounds per 1,000 square foot or tons per acre to correct soil salinity problems where ECe is greater than 4.0 dSm-1 and ESP is less than 15%.

5.3.5.18 State recommendations for soil amendments to be added in pounds per 1,000 square foot or tons per acre to improve soil permeability and increase soil infiltration rates.

5.3.5.19 For Turf Renovation: state recommendations for compost to be added in cubic yards per 1000 square feet to adjust soil organic matter content of the soil to a minimum of 4 and maximum of 6 percent.

5.3.6 VERIFICATION

5.3.6.1 List distribution rates for fertilizer applications on the Cemetery Grounds Management Plan.

TURF MAINTENANCE – MOWING, TRIMMING & EDGING

5.3.6.2 SCOPE

5.3.6.3 Turf must be maintained at a height within one-inch range of that which is professionally recommended for the turfgrass type appropriate for the geographic region. Optimally, the height is no more than half an inch above that range. Turf surrounding a headstone must be trimmed to the recommended height. There must be no signs of "grass burns" caused by mowers. There must be no signs of turf being "scalped" by string trimmers.

5.3.6.4 The Contractor must be responsible for mowing, trimming and edging all grass within the cemetery and any grass outside perimeter enclosure walls and fences. This encompasses both irrigated turf grass, and non-irrigated grasses/lawns within the developed area of the cemetery.

5.3.6.5 Vegetation in visually prominent areas within the undeveloped areas of the cemetery must be mown to present a well-maintained appearance. All other vegetation within the undeveloped areas of the cemetery must be mown to prevent fire hazard.

5.3.6.6 EQUIPMENT

5.3.6.7 Riding mowers may be used if they are not operated within 2 inches of headstones, monuments, tree trunks or other vertical elements unless directed to do so by the COR.

5.3.6.8 Thirty-inch (30") deck or smaller commercial walk-behind mowers must be used to mow along curb edges, small spaces, and areas too steep to mow with riding mowers.

5.3.6.9 Sixty-inch (60") minimum and Seventy-two-inch (72") maximum deck mowers must be used to mow aisles between upright headstones within burial sections. Wheel paths of mowers must not align on return passes within aisles to avoid creating ruts in the turf area.

5.3.6.10 Mowers with decks larger than Seventy-two inches (72") must be comprised of multiple "contour" cutting units to prevent scalping of turf.

5.3.6.11 Brush mowers with rotary cutters, or flail crop shredders will be used to clear vegetation in buffer areas and undeveloped areas of the cemetery. Deck size is required to perform task.

5.3.6.12 Commercial-grade power trimmers and power edgers will be used to trim grass from around headstones, monuments, curblines, walkways, etc. Power trimmers must be equipped with scalp-protectors.

5.3.6.13 Cutting blades on mowing and trimming equipment must be sharpened every 20 hours of use, at the minimum so that grass tips are cleanly cut, and not torn or damaged. Cutting heights of all mowing equipment must be set according to heights specified below. The height of grass is what is measured to get correct cutting height.

5.3.6.14 GENERAL REQUIREMENTS

Turf must be cut to maintain heights as set forth below:

Cutting Height - Inches	Turf Grass Species
2.0 to 3.5	Rhizome Tall Fescue

5.3.6.15 Maintain turf in burial and public areas at a height within one inch range of that which is professionally recommended for the grass type by the State University Agricultural Extension. Optimally, the height must not be more than half an inch above that range and of consistent height throughout the sward. The height of the turfgrass should be maintained between 2.0 and 3.5 inches in height. In no circumstances must the turf be allowed to grow taller than 4.0 inches or to be cut lower than 2.0 inches. Turf that is cut lower than 1.0 inches must be repaired by Turf Renovation at no additional cost to the Government.

5.3.6.16 Maintain non-irrigated vegetation in visually prominent areas of the cemetery by mowing. Maintain vegetation height at 4 to 6 inches. In no circumstances must the vegetation be allowed to grow taller than 6 inches.

5.3.6.17 Do not remove more than 1/3 of the grass leaf surface at anyone mowing.

5.3.6.18 Be familiar with and utilize different mowing patterns. Changing direction and patterns reduces turf wear providing a cleaner cut and avoids creating tire ruts in the turf areas.

5.3.6.19 Clean mowing and trimming equipment prior to entering the cemetery grounds. This will minimize the possibility of introducing weed contamination to cemetery turf from areas outside the cemetery grounds. Contact the COR to inspect the equipment prior to unloading.

5.3.6.20 Clean mowing and trimming equipment prior to moving equipment from a turf area known to contain invasive weed infestation (e.g., kikuyugrass, Bermudagrass) to a turf area free of that weed infestation. This will minimize the spreading the weed infestations within the cemetery grounds. Contact the COR to inspect the equipment prior to proceeding from turf area to the next.

5.3.6.21 Provide one or more commercial-grade mowers that will be dedicated to mowing areas known to be infested with Kikuyugrass and/or Bermuda grass. The mower(s) shall be able to professionally mow all areas within the infested cemetery sections. These mowers shall be marked with a 12-inch-wide painted white stripe or decal from bumper to bumper to distinguish these mowers from the other mowers used on the rest of the cemetery.

Take the utmost care not to damage headstones, floral or commemorative items, structures, survey monuments, irrigation equipment, and trees while performing mowing, trimming and edging services. Repair or replace all damaged items caused by the Contractor to the satisfaction of the COR at no additional cost to the Government.

Remove and replace all floral and commemorative items, such as fresh cut flowers, wreaths, (and artificial flowers, and potted plants when allowed), to their proper gravesite during the course of performing mowing and trimming services. Remove floral and commemorative items in accordance with the cemetery's Floral Policy. (**See** "*Trash and Debris Removal*".) Clean and replace floral vases inside the floral vase receptacles. Stack floral vases so they do not collect water. Fresh cut flowers may be placed on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments at any time. Cemetery furnished temporary flower containers are available and located throughout the cemetery in specially marked containers.

All floral items will be removed as soon as they become faded and/or unsightly and may also be removed every week to accommodate grounds maintenance, to include removal of artificial flowers. Floral pick up is the 1st and 3rd Wednesday of each month along with daily pick up of faded or unsightly arrangements.

Artificial flowers may be placed on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments November through February. Plantings will not be permitted on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments at any time.

Potted plants will be permitted on graves and in the gravel areas surrounding Columbarium, Memorial Walls or Memorial Monuments five days before and five days after Easter Sunday and Memorial Day. During the winter season a Holiday wreath or plan is allowed from December 1 to January 15. Floral blankets are not authorized due to year-round growing season. To maintain the dignity of the cemetery, items such as candles, statues, glass of any kind, vigil lights, shepherd's hooks, wind chimes, pinwheels, balloons, memorabilia, or any item exceeding 24 inches in height are not permitted on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments at any time. Items of any time will not be secured to Headstones, Niches, Memorial Markers or Memorial Monuments.

5.3.6.22 Newly seeded and sodded turf will be present at newly interred gravesites, second interment gravesites, and renovated gravesite locations. New seedlings and sod must be hand mowed until it is fully established to the point where riding mowers will not cause damage to the turf.

5.3.6.23 Mow around trees in a manner that prevents "ringing pattern" around the tree and associated damage to turf. Take care not to disturb adjacent bark and rock mulch beds while mowing. Reposition mulch into their respective beds.

5.3.6.24 Vary mower wheel width patterns and mowing patterns after each mowing to prevent and avoid wheel rutting from occurring.

5.3.6.25 Trim un-mowed grass around headstones, monuments, and other vertical surfaces to keep the grass at the height standard for mown turf without scalping between stones or around stones. Scalped turf between headstones must be repaired as per "Turf Renovation" at no additional cost the Government and will require additional weed control measures to prevent weeds from populating these scalped zones.

5.3.6.26 Clean headstones, section markers, walkways, curbs, concrete bases, signs, and roads of grass clippings and leaves after mowing, weed-eating, edging, and trimming. Do not use leaf blowers to move grass clippings into planting beds and rock gardens.

5.3.6.27 PROCEDURE

5.3.6.28 FREQUENCY OF MOWING, TRIMMING, & DEBRIS REMOVAL: Mow, trim and remove clippings as required (generally once every seven (7) days) to maintain the specified height for all turf in the developed cemetery. During periods of active growth, and after dethatching operations,

mowing may be required twice weekly as approved by the COR. Complete trimming around headstones and debris removal in conjunction with each mowing cycle.

5.3.6.29 WEATHER CONDITIONS: There may be periods of excessive rainfall when the Contractor cannot access areas for mowing due to excessive wetness. The COR has the authority to stop work if weather conditions are such that work that day will do more damage than good to the Cemetery grounds. During these periods, the Contractor will be expected to ensure the grass is cut in less than a week's time once grass is suitable for mowing. During periods of fire danger (i.e., excessive heat and low humidity), cease mowing operations in non-irrigated buffer areas to avoid starting brush fires.

5.3.6.30 MOWING TIMING: Do not mow wet turf. Do not mow turf under a layer of frost. The COR will determine when the frost has subsided enough to proceed. Coordinate with the irrigation schedule so mowing does not occur during the morning after irrigation. Mowing cycle must be completed by Friday of each week.

5.3.6.31 MOWING PATTERNS: Crosscut the turf between headstones every other mowing cycle by mowing perpendicular to the gravesite rows, (i.e., Alternate between cutting parallel with and perpendicular to the gravesite rows). For turf with upright headstones, mowers must pass between the headstones without damaging them. Cut turf in rows between headstones in the opposite direction from the preceding mowing cycle to prevent rutting.

5.3.6.32 MOWING SPEED: Do not operate mowers at speeds that will leave tire marks when making sharp turns. In no case must mowers be operated at speeds exceeding the manufacturer's indicated speed for safe operation, or at speeds which cause damage to cemetery property.

5.3.6.33 MOWER/TRIMMER MAINTENANCE: Conduct mower and trimmer maintenance in the designated maintenance yard, including refueling of equipment. Do not refuel equipment in cemetery burial sections.

5.3.6.34 MOWING: Cut turf within the cemetery burial sections at recommended height unless otherwise specified by the COR. Use rotary mowers with rear discharge mulching decks for mowing. The design of the mowing decks and speed of the mowing must be such that scalping is avoided. At no time is freshly mowed grass to be blown onto headstones. Areas will be mowed first, followed by the trimming operations.

5.3.6.35 TRIMMING: All turf areas that cannot be maintained by traditional mowing equipment shall be trimmed at the same height of the mown grass. Take great care to avoid contact with headstones, markers, signs, monuments, building walls, trees, shrubs, flowers, any other desirable plant materials, and any other structure that can be damaged by contact with the trimming device's cutting instrument. Scalping of the turf around a marker/headstone is unacceptable. Trimming will be accomplished free of scalping, rutting, bruising, and uneven and rough cutting. Streaks or irregularities, uneven cutting, plowing, or gouging of the soil is unacceptable. Use bicycle-handled "stick" string trimmers for mowing around upright headstones and other structures. Scalping of the turf around a marker/headstone is unacceptable. Turf must not be shorter around headstones creating a "bowl" effect. Use string line gauge that will not damage headstones.

5.3.6.36 EDGING: Edge turf at streets, curbs, walkways, mow bands, landscape borders, tree wells, and planting beds inside and outside cemetery grounds. Edging must provide a clear zone 1/2-

inch wide by 1-inch minimum deep with all vegetation removed from joints and cracks. Use "stick" edgers with metal blades. Avoid damaging pavement. Remove debris from edging from the site on the same day as the edging event.

5.3.6.37 REMOVAL OF TURF CLIPPINGS: Immediately remove or disperse windrows and mats of grass clipping deposited on the turf to avoid turf damage. Remove clippings deposited on headstones and other monuments, section markers, concrete bases, roads, walks, plazas, beds, tree basins, or other non-turf grass areas the same day as the mowing event that produced them. Remove clippings deposited on sidewalks or at public visitor areas including at the Committal Shelter at same time mowing work is occurring. In specialty areas, collect clippings in bag attachments to the mowers, as approved by the COR. Remove and dispose clearly visible clumps of grass clippings and/or windrows of clippings, as a result of infrequent mowing. Isolate use of Rake-O-Vac type equipment to removal of windrows and mats of grass clippings to prevent wear and tear of turf and compacting of soil, unless directed otherwise by the COR. If inclement weather does not allow the grass trimmings to be collected while mowing, they must either be short enough to blend into the existing turf or raked and collected as soon as weather allows.

5.3.6.38 REMOVAL OF GRASS CLIPPINGS AND SOIL: Immediately remove grass and/or soil splatter deposited onto headstones, section markers, and other structures the same day as the mowing and/or trimming event that produced them. Cleaning of headstones and structures soiled by mowing and trimming activities is incidental to the work and shall not be considered as "Headstone Cleaning and Maintenance" or "Structure Maintenance".

5.3.6.39 MEMORIAL DAY: Complete mowing, trimming, edging & debris removal work no later than close of business on Thursday prior to Memorial Day to allow sufficient time for the placement of personal floral arrangements on individual graves and for the preparation of Memorial Day services at the cemetery. Contact COR one week before event for final schedule.

5.3.6.40 VETERANS DAY (NOVEMBER 11): Complete mowing, trimming, edging & debris removal work for Veterans Day no later than two (2) workdays prior to the scheduled holiday. Contact COR one week before event for final schedule.

5.3.6.41 INSPECTION: The COR will inspect mowing, trimming and edging a minimum of once a week (during the growing season).

5.3.6.42 VERIFICATION: On Friday of each week, the Contractor shall submit to the COR cemetery site plan(s) indicating the areas and dates turf areas were mowed and trimmed. Use a different colored highlighter marker for each day.

5.3.7 TURF MAINTENANCE – AERIFICATION

5.3.7.1 SCOPE

5.3.7.2 Soil compacted by heavy foot or vehicle traffic must be relieved by aerification to improve air, water, and nutrient penetration into the turfgrass canopy and root zone. The procedure is generally necessary only once per growing season on national cemetery grounds not subject to continual heavy traffic.

5.3.7.3 Core aerification uses specialized equipment to remove numerous soil cores (from 4 to 6 inches long) as it passes across the turfgrass surface. The cores are to be removed from the site or left on the turfgrass surface as approved by the COR.

5.3.7.4 Aerate the turf (both irrigated and non-irrigated) twice yearly at a minimum in early spring, and late fall.

5.3.7.5 Verticutting uses specialized equipment to cut straight lines or rows into the turf and soil with closely spaced blades attached to a rotating drum to a depth of 1 to 2 inches.

5.3.7.6 In preparation for interseeding, aerate by verticutting both non-irrigated turf, and areas of bare and thin irrigated turf, to create a loose texture soil suitable for placing seed into the ground. The blades are to be spaced 1/2-inch apart and set to slice into the soil to a depth of 1-inch.

5.3.7.7 PROCEDURE

5.3.7.8 CORE AERATION: Use core aeration equipment to extract minimum 4-inch and maximum 6-inch core plugs at not less than 6-inch square spacing over cemetery turf. Flag sprinkler heads, control markers, valve boxes and other appurtenances which are not readily visible. Do not damage surrounding vegetation or structures, including but not limited to, sprinkler heads, vases, valve boxes, control markers, and paving.

5.3.7.9 VERTICUTTING: Where possible, verticut turf areas in preparation for interseeding. (***See*** *"Turf Renovation"*)

5.3.7.10 INTERSEEDING: After completion of the verticutting, and removal of loose vegetation, utilize belly seed distributors over all turf.

5.3.8 TURF MAINTENANCE – TOP-DRESSING

5.3.8.1 SCOPE

5.3.8.2 Turfgrass prone to thatching must be top-dressed regularly to eliminate the build-up of thatch by creating a suitable environment for microbes to digest the thatch.

5.3.8.3 Soil with textures that consists of more than 50 percent clay (e.g., clay loam, silty clay, silty clay loam, silt loam, loam, and clay) must be modified by regular topdressing to reduce the percentage of clay in the turf root zone.

5.3.8.4 Turf that that is rutted must have the soil leveled by repeated applications of topdressing.

5.3.8.5 Turf that is overseeded and interseeded must be top-dressed to provide seed topper to aid in the germination of the seeds.

5.3.8.6 PROCEDURE

5.3.8.7 TOP-DRESSING TYPE 1: (TO MODIFY SOIL TEXTURE AND PREVENT THATCH BUILD-UP)

5.3.8.8 Beginning in spring immediately following the spring turf aeration, top-dress the established with a 90% sand/10% reed sedge peat mix designed for top-dressing turfgrass. Apply top-dressing while core aeration holes are open. Acceptable Product: '90/10 2Mil Dakota Blend', or approved equal. Submit product data sheets to COR for approval.

5.3.8.9 Immediately following the turf aeration, top-dress annually. Apply top-dressing while core aeration holes are open. Avoid blocking sunlight from excessive coverage of turf with top-dressing soil. Alternate between applications with clean river sand; and 40:30:30 mixture of

sandy loam topsoil, peat humus, and compost formulated for topdressing turfgrass. Submit one-half (1/2) cubic-foot sample of compost, and certification letter from the supplier attesting that compost is U.S. Composting Council Certified. Submit topdressing compost test analysis and product data sheets to COR for approval. (***See*** *requirements of "TURF MAINTENANCE – FERTILIZATION")*

5.3.8.10 Apply topdressing at a rate of 0.5 cubic yards per 1000 square feet with turf tender equipment specifically designed for top-dressing turf, and capable of being calibrated to uniformly apply the product at the specified rate. Use brushes to move the top-dressing into the turf and aeration core holes. Irrigate thoroughly to move topdressing into turf. Remove topdressing from adjacent areas and headstones. Do not top-dress newly laid sod or sod that has not completed one dormant period.

5.3.8.11 TOP-DRESSING TYPE 2: (TO FILL RUTS AND DEPRESSIONS)

5.3.8.12 Top-dress depressions in turf such as ruts created by maintenance equipment as approved by the COR. Alternate between application with 90% sand/10% reed sedge peat mix; and 40:30:30 mixture of sandy loam topsoil, peat humus, and compost formulated for top-dressing turfgrass. Submit top-dressing composition test analysis to COR for approval. Apply top-dressing using approved equipment to apply no more than 1/2-inch of material in a single application. Use brushes to move the top-dressing into the turf. After brushing, irrigate thoroughly to move top-dressing into turf. Repeat applications over the course of several weeks as required to eliminate depressions. Acceptable Product: '90/10 2Mil Dakota Blend', or approved equal. Submit product data sheets to COR for approval.

5.3.8.13 TOPDRESSING TYPE 3: (IN CONJUNCTION WITH OVERSEEDING/INTERSEEDING)

5.3.8.14 Top-dress turf immediately after overseeding/interseeding with seed topper formulated for overseeding turfgrass. Apply top-dressing while furrows from slit-seeding are open. Avoid blocking sunlight from excessive coverage of turf with top-dressing. Submit top-dressing composition test analysis to COR for approval. Acceptable Product: 100% compost humus with 100% passing 1/4" sieve (fine grind) or approved equal.

5.3.8.15 Apply topdressing at a rate of 0.5 cubic yards per 1000 square feet with turf tender equipment specifically designed for top-dressing turf, and capable of being calibrated to uniformly apply the product at the specified rate. Use brushes to move the top-dressing into the turf to cover the seeds. Irrigate thoroughly to further move top-dressing into turf. Remove top-dressing from adjacent areas and headstones. Do not top-dress newly laid sod or sod that has not completed one dormant period.

5.3.9 TURF MAINTENANCE – DETHATCHING

5.3.9.1 SCOPE

5.3.9.2 No more than 1/2-inch thatch layer shall exist at any time throughout the growing season.

5.3.9.3 The turf is to be dethatched in March as needed.

5.3.9.4 PROCEDURE

5.3.9.5 Use a vertical mower with steel blades mounted solidly to an axle to dethatch all turf area with more than 1/2-inch of thatch build-up. Adjust the blades of the device so that they barely scratch the soil surface. Flag sprinkler heads, control markers, valve boxes and other

appurtenances which are not readily visible. Do not damage surrounding vegetation or structures, including but not limited to, sprinkler heads, vases, valve boxes, control markers, and paving.

5.3.9.6 Remove thatch material immediately from the site in a lawful manner.

5.3.9.7 Schedule additional mowing and trimming operations in response to major growth surge that accompanies thatch removal.

5.3.10 TURF MAINTENANCE – PEST CONTROL

5.3.10.1 GENERAL REQUIREMENTS

5.3.10.2 Contractors must be responsible for maintaining the turf area of the cemetery and the immediate area surroundings of the cemetery in a healthy condition by proper application of fertilizers, and chemicals (to control weeds, diseases, and invertebrate and vertebrate pests). Turf in high visibility areas must be at least 90 percent pest and disease free.

5.3.10.3 Conduct pest control in accordance with requirements as stated in NCA Handbook 3410 – Integrated Pest Management Procedures for VA National Cemeteries.

5.3.10.4 For Water-Wise cemeteries, “pest control” must provide weed and pest free burial sections and planting beds.

5.3.10.5 DEFINITIONS:

5.3.10.6 Pest is defined as any plant or animal detrimental to humans or human concerns including weeds, fungi, molds, vertebrates, and invertebrates.

5.3.10.7 An animal is any living thing that is not a human being or a plant.

5.3.10.8 A pesticide is herbicide, insecticide, fungicide, and poisonous baits.

5.3.10.9 SAFETY/REGULATORY REQUIREMENTS:

5.3.10.10 All application methods must be in strict accordance with manufacturer, Department of Environmental Protection and all federal, state and local laws.

5.3.10.11 All applications must be made in accordance with manufactures label instructions to ensure proper rate and timing of application. Ten (10) workdays prior to any scheduled application, the Contractor shall provide to COR, a copy of product label for each chemical used, the amount and application rate, and appropriate supporting Safety Data Sheets (SDS) sheets in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

5.3.10.12 Contractor shall keep a record of all pesticides applied and shall submit to the COR within five (5) working days after application a fully completed “Pesticide Application Data Sheet” for review and approval, with a copy sent to the Pacific District Agronomist. (See Attachment) The COR will train the Contractor in the proper use of this form. Records will show type, amount, application area, and weather conditions.

5.3.10.13 Report herbicides/pesticide use to the County Ag Commissioners Office's when required by local jurisdictions.

5.3.10.14 Contractor personnel applying pesticides must possess a current, valid, state-issued, commercial pesticide/herbicide application license. Provide a copy of the license to the COR. The Contractor must be responsible for any damage resulting from the application of any fertilizer, herbicide or pesticide treatments.

5.3.10.15 Train employees on environmental issues such as ground water contamination, wetland protection, poison control, and be consistent and fully compliant with all applicable Federal, State, County and City laws, ordinances, Right-to-Know laws, EPA guidelines, and regulations.

5.3.10.16 Prevent the public and cemetery employees from accidentally becoming exposed to pesticides during an application or from encountering treated areas after the application has been made. Contact the Agricultural Commissioner's office for instructions on restricted entry intervals and posting. In compliance with these instructions, provide the required safety warning devices, barricades and signage at all work sites to eliminate hazards from public visitors and cemetery employees.

5.3.10.17 Prior to fertilizer and/or pesticide application, the contractor shall at a minimum post appropriate flags or markers in all areas to be treated for a period of 24 hours after a fertilizer and/or pesticide treatment has been applied accompanied by a sign informing the public of the time and date of the chemical application. Remove all flags and signs upon expiration of the 24-hour period.

5.3.10.18 In addition to, or in compliance with instructions from the Agricultural Commissioner's office on posting, prior to an herbicide application, the Contractor shall provide and install signage that clearly states the following: "CAUTION - HERBICIDE APPLICATION IN PROGRESS."

5.3.10.19 The signage shall be COR-approved and shall be uniformly spaced along all perimeters of the application area, and at all regular points of public entry, and shall remain standing for 24 hours after application is complete. If the herbicide has a restricted entry interval, the signage shall be removed by the Contractor within 24 hours after the expiration of the restricted-entry interval. The Contractor is responsible for the removal and disposal of all signage, warning devices, etc.

5.3.10.20 The contract work shall not jeopardize the safety of any persons or jeopardize the protection any plant material or property within the cemetery. The Contractor shall not make turf applications, particularly those involving hazardous materials, when people are present in or passing by any such work area(s). Such work in Visually Prominent Areas and along major pedestrian routes, and in any area where a funeral or ceremony is taking place or will take place within 2 hours, shall be rescheduled by the Contractor to an earlier or later time, or to a time before or after cemetery visiting hours as determined by the COR.

5.3.11 WEED CONTROL - GENERAL:

5.3.11.1 Control weeds throughout the cemetery year-round, using Contractor-provided herbicides with emphasis given to Visually Prominent Areas. The result shall be that 100 percent of Visually Prominent Areas (interment sections, committal service shelters, columbaria and memorial walkways, flagpole/assembly area, public buildings, and entrance gate; areas adjacent to the main entrance road; and primary roads/routes to committal service shelters, burial areas, the entrance way) shall be 98 percent weed free. Ninety-eight percent weed free means that the population of weeds is very widely scattered and visually insignificant when the total expanse of the cemetery turfgrass is observed. The weeds in no way distract from the visual attractiveness of the landscape.

5.3.11.2 Make applications in accordance with manufacture's label instructions to ensure proper rate and timing of application. Provide and apply liquid broadleaf herbicide no earlier than 6 hours before anticipated rainfall to allow herbicide sufficient time to be absorbed into plant tissue to maximize the herbicide's full potential. Any rainfall that is received within this six-hour time frame after the application will require the Contractor to treat all turf areas a second time at no additional cost to the Government.

5.3.11.3 Control weed growth and disease in turf by means of mowing, trimming and pesticide application or any other method approved by the COR. The person in charge must possess current, valid, state-issued license to use pesticides. Broadcast applications of pesticides for weeds shall be accomplished in the spring and the fall. Spot treatments of pesticides for weed control shall occur monthly unless noted otherwise.

5.3.11.4 Follow herbicide manufacturers' precautions on maximum applications per year for both spot and broadcast applications. Do not apply herbicides which will inhibit the germination of grass seeds. Follow herbicide manufacturers' precautions for timing use of product on interseeded/overseeded turf. Do not apply herbicides on overseeded/interseeded turf until turf has been mowed two times, or four weeks after emergence (whichever is longer) before making a post-emergence application. Weed control products shall be compatible with interseed/overseed present on the cemetery and shall not damage the turf either by misapplication or inappropriate product selection.

5.3.11.5 Coordinate Turf Herbicide Applications with special programs for the control of invasive weed pests such as Bermuda grass and Kikuyugrass.

5.3.11.6 GRASS WEED PRE-EMERGENT: Apply grass pre-emergent herbicide in granular form when treating for annual bluegrass, crabgrass, dallisgrass, goosegrass, johnsongrass, Bermuda grass, kikuyugrass, and any other target weed species present at manufactures recommended rate allowable for the species of turfgrass and region of the country. Apply pre-emergent one to two weeks prior to the anticipated seed germination when soil temperatures register between 50 to 55°F for 3 consecutive days. Apply a second sequential application of the same product 8 to 10 weeks following the first application. Apply pre-emergent with calibrated spreading equipment. The Contractor is solely responsible for damage to headstones or any other structures, and newly seeded turfgrass caused as a result of any pre-emergent application or herbicidal treatment. Alternate between herbicide products containing atrazine, dithiopyr, pendimethalin, and prodiamine to reduce herbicide resistance.

5.3.11.7 ANNUAL BLUEGRASS (POA ANNUA) CONTROL: To limit annual bluegrass germination during winter, apply pre-emergent herbicides listed above in late summer or early fall when soil temperatures drop below 70°F. Repeat application in early spring. In addition to the pre-emergent herbicide application, apply post-emergent herbicide spot applications of ethofumesate, foramsulfuron, pronamide, sulfosulfuron, and trifloxysulfuron to young annual bluegrass plants. Successful control will be measured as cemetery turf with less than 10 percent annual bluegrass weeds.

5.3.11.8 BROADLEAF WEED CONTROL: Apply broadleaf herbicides with calibrated measured spraying equipment (not a hose end sprayer). The chemical must address issues of various broadleaf weed types which include dandelion, white clover, bristly oxtongue, speedwell, bristly mallow, California burclover, filaree, chickweed, curly dock, yellow wood-sorrel, black medic, plantain, spurge, prickly lettuce, purslane, and other target weed species present. Applications must be timely and at the proper dosage so that perennial weeds do not go to seed. Utilize both broadcast applications and spot-applications of chemicals to turf areas throughout the cemetery as appropriate for the degree of weed pressure. Use three-way herbicide products containing triclopyr; 2,4-D; and dicamba. Tank mix with MCPP or MCPA to increase spectrum of control.

5.3.11.9 GRASS WEED CONTROL: Apply grass weed herbicides with calibrated measured spraying equipment (not a hose end sprayer). Applications must be timely and at the proper dosage so that grass weeds do not go to seed. Utilize both broadcast applications and spot-applications of chemicals to grass weeds in turf areas throughout the cemetery as appropriate for the degree of weed pressure. Alternate between herbicide active ingredients to reduce

herbicide resistance. For example, apply triclopyr in the spring, and quinclorac in the summer to reduce herbicide resistance. Tank mix with MSMA or fenoxapropto increase spectrum of control.

5.3.11.10 SEDGE WEED CONTROL: Apply sedge weed herbicides with calibrated measured spraying equipment (not a hose end sprayer). The chemical must address issues of various weeds which include green kyllinga, annual sedge, purple nutsedge, yellow nutsedge, and aquatic sedges. Applications must be timely and at the proper dosage so that grass weeds do not go to seed. Spot-apply chemicals throughout the cemetery where infestations are evident, particularly in moist and low-lying areas prone to poor drainage. Tank mix with adjuvant per manufacturer's printed instructions. Reapply 4 to 6 weeks per manufacturer's printed instructions. Alternate between herbicides products containing halosulfuron, imazosulfuron, and sulfosulfuron to reduce herbicide resistance.

5.3.11.11 FUNGI: Employ IPM methods for reduction and treatment of fungi such as improving drainage through aeration and thatch removal; and proper mowing, fertilization and irrigation techniques to eliminate the conditions favorable for the growth of fungus. Application of fungicides is generally not required.

5.4 PEST CONTROL:

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Subject to SCA and Commercial Provisions/Clauses

5.4.1.1 Establish a treatment plan to control Vertebrate Pests within the developed cemetery grounds throughout the calendar year for approval of COR. This schedule shall be incorporated into the Grounds Management Plan.

5.4.1.2 Vertebrate Pests include, but are not limited to: gophers, moles, voles, mice, rats, ground squirrels, rabbits, skunks, raccoons, wild pigs, badgers, geese, coots, and snakes and other target pests present. Control pests by trapping, elimination of their food source, or other effective methods. Trapping must be performed by licensed professionals permitted to trap the target pest. Shooting of animals will not be authorized. Comply with U.S. Fish and Wildlife laws and regulations and state Fish and Game Code with regard to baiting and trapping of animal pests. Dispose of or relocate animal pests in accordance with federal, state and local laws.

5.4.1.3 If soil is disturbed by these pests, fill holes/ruts with topsoil or other COR-approved material, tamp and re-grade. Areas of repair include both turf and planting beds. Cut and remove damage to turf areas to provide clean edges, and replant with sod per "Turf Renovation". When mowing, mark off and avoid newly sodded areas until the turf is established. Repair planting beds to original condition, including re-establishing grades, re-planting, re-mulching, and repairs to irrigation systems.

5.4.1.4 Within 10 calendar days from start of the contract period, conduct a complete inspection of the cemetery grounds and document all vertebrate pest damage using Attachment 'G' "Vertebrate Pest Inspection Sheet" or other COR-approved document. Provide this completed document to the COR. Within 15 calendar days from the start of the contract period the Contractor must have treated with bait, and/or set traps to eliminate the pests. With 20 calendar days from the start of the contract period the Contractor must have correctly repaired the areas damaged from pest activity with matching turf. The document shall identify the following: Pest Species, Location (ID Number, Section, and Headstone) of all

treatments. Provide this document to the COR each week and identify work that took place within the previous seven days.

5.4.1.5 Approximately 30 days after the start of the contract period, and every 15 days thereafter as required, the COR will inspect the cemetery grounds to determine if the vertebrate pest damage has been reduced to an acceptable level. Also at that time, the COR will determine if the damaged turf has been repaired to an acceptable level. (Acceptable is defined as 90% of vertebrate pests are eliminated).

5.4.1.6 Inspect for pest damage at least weekly. If any additional signs of pest damage are found set baits and/or traps the day of discovery. Document and report the inspections to the COR on a weekly basis.

5.4.1.7 Inspect each irrigation equipment valve box for soil spoils from pest activity. Remove soil from irrigation valve boxes and install 1/2-inch square by 16-gauge galvanized steel mesh under and up sides of box to prevent pest intrusion. Secure mesh to sides of box with galvanized steel fasteners.

5.4.2 INVERTEBRATE PEST CONTROL:

5.4.2.1 Control pests that include but are not limited to insects (all life cycle stages), and spiders by insecticides, biological controls or other effective methods. Insect pests include but are not limited to: Grubs, Ants, Crane Fly, Wasps.

5.4.2.2 Establish a treatment plan to control invertebrate pests identified within the developed cemetery grounds throughout the calendar year for approval of COR. Incorporate this schedule into the Grounds Management Plan.

5.4.2.3 Treat turf areas in the cemetery in accordance with the approved schedule with a broadcast application of granular herbicide effective in the control of invertebrate pest species present on the cemetery. The frequency of application must be in accordance with the manufacturer's printed instructions for the control of the target pest species.

5.4.2.4 In addition to broadcast applications, provide spot-application of pesticides directly to pest nests on monthly or on an as-needed basis as approved by the COR.

5.4.2.5 Acceptable level of control is defined as 90% of invertebrate pests are eliminated.

5.4.2.6 Keep buildings free of wasps and their nests with particular attention given to the skylights on the Committal Shelters, entries to PIC and Admin. Bldg., and under ledges on Columbarium walls.

5.4.2.7 North American honeybees must be live trapped and relocated by a specialist in bee keeping.

5.4.3 FERTILIZER AND PESTICIDE APPLICATION:

5.4.3.1 Apply turf applications with the on station EcoFert distribution system. Apply herbicides under calm wind conditions to eliminate any potential for wind drift. Comply with pesticide label precautions to where surface run-off is likely to occur or near a water source.

5.4.3.2 Use an appropriate non-staining, green-colored, marker dye compatible with the herbicide being applied for spot applications of herbicide.

5.4.3.3 Use surfactants and adjuvants with herbicides to improve herbicidal activity or application characteristics when recommended by herbicide manufacturer.

5.4.3.4 Apply Fertilizers, Herbicides, and Soil Conditioners in accordance with NCA Standards and as indicated herein.

5.4.3.5 Do not dispose of, rinse, mix nor store any herbicide containers/bags on cemetery premises, unless authorized in advance by the COR. Do not keep or store herbicide application equipment or agricultural chemicals on the cemetery premises when applications are not in progress.

5.4.3.6 Thirty (30) days after completion of the application, jointly inspect the pesticide application with the COR and assess results. In areas where results are less than acceptable* re-perform the application at no additional cost to the Government. (*Acceptable is defined as 90% of target pest species are eliminated).

5.4.3.7 Take precautions to prevent damage to the cemetery, in any manner, including headstones, monuments, shrub and flower beds, trees and other structures during maintenance operations. Current replacement costs for headstones, other cemetery structures or property damaged by the work under this contract will be deducted from the contract price.

5.4.3.8 Do not use any pesticide or fertilizer in either granular or liquid form that will stain or discolor any headstones. Notify the COR of all materials scheduled for use on turf before beginning any turf application. Clean cemetery structures, headstones, monuments, and roadways that are soiled or stained as a result of the application.

5.4.3.9 Wash-down with water all soiled or stained structures, headstones, and monuments at the end of each workday. Do not use hazardous chemicals at any time on Government property. Bear all costs associated with washing and cleaning. Notify the COR of any such soiling or staining of structures prior to washing/cleaning.

5.5 TREE, SHRUB & PLANTING BED MAINTENANCE

CLIN 0008 – Qty 12 Months
Subject to SCA and Commercial Provisions/Clauses

5.5.1 SCOPE

5.5.1.1 Work consists of, but is not limited to, planting and maintaining trees, shrubs, and groundcovers, vegetated edge and wildflower/cover crop areas in a healthy and attractive condition by proper watering, pruning, cultivation, fertilization, weed control and mulching techniques.

5.5.1.2 Notify the COR within 48 hours of discovery of dead, diseased or insect infested trees or shrubs. Remove dead and diseased shrubs and groundcovers as approved by the COR.

5.5.1.3 Each ornamental tree planted and native/naturalized trees at the perimeter of the active cemetery use areas must be inspected yearly by a certified arborist and a tree assessment report be provided to the cemetery. The report must list the trees by genus/species; common name; DBH; location in the cemetery as identified by cemetery section number and nearest headstone ID. The report must rate the overall health of the tree, type of pruning needed, pests and/or diseases present, and recommended course(s) of action.

5.5.1.4 Pruning must focus on maintaining plant structure, form, health and appearance through crown-thinning and general pruning.

5.5.1.5 All shrubs and hedges must be trimmed and shaped annually during the months of May and November.

5.5.1.6 All tree and shrub pruning and hedge trimming must comply with ANSI A300 (Part 1) – 2017 Pruning and companion publication “Best Management Practices” (2018 ISA).

5.5.1.7 **Note:** Pruning and trimming will be limited to cuts that can be executed within 15 feet from the ground directly below the cut location. Pruning and trimming above that height will be provided by others under a separate contract.

5.5.1.8 Keep trees free of sucker growth, water sprouts, broken/dead limbs, and low hanging limbs/branches. Remove fallen limbs/branches of all sizes immediately.

5.5.1.9 Prune young trees annually to provide scaffold development, suppression, thinning and perimeter reduction by "Training" pruning.

5.5.1.10 Tree removal will be provided by others under a separate contract to remove dead, diseased or wind-thrown and storm-damaged trees.

5.5.1.11 Maintain the cemetery and the immediate surroundings of the cemetery in a healthy, visually pleasing condition with proper application of fertilizers, pesticides for the control of diseases and insect pests, herbicides and mulch to control weeds.

5.5.1.12 Personnel must be properly trained in the operations they are to perform. If pesticide sprays are used, the person in direct charge must be licensed by the State.

5.5.1.13 Control weeds year-round in landscape beds, areas of mineral mulch, area of organic mulch, tree wells, areas around all buildings, areas around solar panel arrays. Control weeds growing in walkways and roadways. Control weeds within the 5-foot zone outside fence lines, walls/columbaria walls along the perimeter of the cemetery. Control weeds within the public right-of-way between fence lines/walls and curblines or edge of pavement of public streets and public sidewalks. Contractor must dispose of all dead and dying weeds.

5.5.1.14 Maintain planting bed edging materials in sound, stable condition, and in proper relationship to finish grade. Edging material includes rock-lined borders, divot/spade cut edge, metal/plastic edging and other delineators.

5.5.1.15 Dead or dying plant material must be reported to the COR.

5.5.1.16 Replacement plants must be supplied and planted by the Contractor as approved by the COR and from plans provided by the Pacific District Agronomist.

5.5.1.17 Supply and plant a limited number of new plants at the discretion of the Cemetery to enhance existing planting beds, and to replace dead trees and trees that have previously been removed but not replaced. (See Appendix 'A' for estimated quantities and sizes of plants to be provided annually at each Cemetery.)

5.5.1.18 Plant replacement is limited to plants that have died and/or are in a state of decline after Award of Contract.

5.5.1.19 Prepare planting beds for replacement planting. Work includes plant removal, soil preparation, stump grinding/removal, and other operations to create a suitable growth medium for the establishment of new plants.

5.5.1.20 Hand-water plants and make adjustments to irrigation system for establishment.

5.5.1.21 Pest Control will be provided under the direction of the Palm Tree Expert in accordance with Tree, Shrub & Planting Bed Maintenance.

5.5.2 DEFINITIONS

5.5.2.1 **Landscape Bed:** Any non-turf area planted with trees, shrubs, and/or ground cover plants, and usually includes mulches.

5.5.2.2 **Mulch Bed:** Any area containing primarily organic and/or inorganic mulch.

5.5.2.3 **Organic Mulch:** Decorative tree bark, compost, nut shells.

5.5.2.4 **Inorganic Mulch:** Decomposed granite, path fines, gravel, pebbles, cobblestones, rip-rap, boulders, artificial mulch.

5.5.2.5 **Ground cover:** Low growing plants growing over an area of ground. Ground covers include grasses, shrubs, and herbaceous plants.

5.5.2.6 **Wildflowers:** Annual and perennial flowering ground cover plants grown by sowing seeds.

5.5.2.7 **Vegetation:** All plant material including weeds.

5.5.2.8 **Weed:** Any non-desirable plant material, including escaped and invasive ornamental plants.

5.5.2.9 **Pesticide:** Includes herbicides, insecticides, fungicides, poisonous baits.

5.5.3 QUALIFICATIONS

Arborist: All pruning work shall be executed under the direction of a licensed arborist. The Arborist must be certified by International Society of Arboriculture, and this certificate must be current. The Contractor shall submit the arborist's current certificate to the COR prior to commencing work. The Arborist shall serve as the "Contractor's Site Manager" for pruning work and will be provided by the Contractor whenever work is being performed, other than trash and debris pick-up. The Arborist must have not less than five (5) years' experience as a direct supervisor of a commercial tree maintenance operations that include removal, trimming, and stump removal in industrial, commercial or public sites. The Arborist will ensure all specifications are being met, ensure contract work does not conflict with ceremonies and funerals, and ensure employees are adequately supervised and proper conduct is maintained.

5.5.4 SHRUBS AND GROUND COVER PRUNING

5.5.4.1 Shrub pruning and hedge trimming must comply with ANSI A300 (Part 1) – 200 Pruning and companion publication "Best Management Practices" (2018 ISA or latest edition).

5.5.4.2 At the approval of the COR, prune shrubs/hedges monthly during summer months/growing season to conform to the current pattern of growth. Do not trim shrubs into "ball" shapes. Remove shrub trimmings immediately from the site.

5.5.4.3 Prune hedges and shrubs promote a healthy and attractive appearance and uniform growth over all parts of the plant. "Limb-up" lower branches of shrubs to promote air circulation at the ground level. Selectively trim internal stems of hedge shrubs to encourage branching and dense growth.

5.5.4.4 Keep hedges and shrubs free of dead branches, leaves, and all weed growth. Remove weeds and their root systems.

5.5.4.5 Deadhead spent flowers on shrubs, groundcovers, and annual plants after flowers have faded and wilted. Remove flowers by pruning the flower stems. Do not cut fresh blooms or flower buds. Do not shear plants to deadhead flowers unless directed by the COR.

5.5.4.6 Prune groundcover plants to keep clear of walkways and lawns. Do not apply herbicides to control ground covers plants.

5.5.4.7 Trim shrubs, groundcovers, vegetation outside the existing turf along the perimeter of the cemetery is necessary to maintain a 5-foot wide easement between 1 and 6 inches in height.

5.5.4.8 Remove vines growing up tree trunks and into tree canopies. Trim vine plants back in a 3-feet circumference around tree trunks to prevent regrowth of vines into trees.

5.5.5 TREE PRUNING

5.5.5.1 Limited to cuts that can be executed within 15 feet from the ground directly below the cut location. Will provide an annual assessment and a monthly report of work.

5.5.5.2 EQUIPMENT: Furnish necessary equipment for tree pruning.

5.5.5.3 Pruning Standards: Pruning, cutting, trimming and shaping of trees must be accomplished in accordance with ANSI A300 (Part 1) - 2017 or latest edition: Tree, Shrub, and Other Woody Plant Maintenance – Standard Practices, Pruning and companion publication "Best Management Practices" (2018 ISA or latest edition).

5.5.5.4 Pruning must be performed under the direction of the Contractor's certified Arborist, hereinafter known as the Arborist. The Arborist must be certified by International Society of Arboriculture, and this certificate must be current. The Arborist must serve as the "Contractor's Site Manager" for tree work and will be provided by the Contractor whenever work is being performed, other than trash and debris pick-up. The Arborist must have not less than five (5) years' experience as a direct supervisor of a commercial tree maintenance operation that included removal, trimming, and stump removal in industrial, commercial or public sites.

5.5.5.5 The Arborist will ensure all specifications are being met, ensure contract work does not conflict with ceremonies and funerals, and ensure employees are adequately supervised and proper conduct is maintained.

5.5.5.6 The Arborist must submit photo-documentation of the condition of each tree prior to work on the tree and after the work has been completed. The electronic images must be copied onto electronic media and delivered or emailed to the Pacific District Agronomist within 14 (fourteen) days of completion of the work. Failure to provide this documentation will result in a 2% reduction in the overall contract fee.

5.5.5.7 At the approval of the COR, trees must have major structural pruning when the trees are coming out of winter dormancy in February. Trees must have minor pruning such as Crown Thinning monthly during summer/fall months. Deadwood pruning must occur year-round.

5.5.5.8 All pruning tools must be kept sharp and properly functioning. When trees known to be diseased or susceptible to diseases are pruned, disinfect tools with alcohol after each cut and before moving to the next tree, to prevent the transmission of disease.

5.5.5.9 Pruning cuts must be made just outside the collar or shoulder ring (branch bark ridge/swollen trunk collar) close to parent stem so that healing can readily start under normal conditions.

5.5.5.10 When reducing the tree height and spread, retain the natural shape of the tree by removing the entire lateral branches back to their point of origin also known as drop crouching or thinning.

5.5.5.11 Ensure that all limbs are one inch in diameter and greater must be precut to prevent splitting. All branches and/or tree material 3-1/2 inches in diameter and greater must be lowered by proper lowering methods such as using slings and ropes.

5.5.5.12 Ensure that trees that are thinned, live branches are removed to permit penetration of sunlight and circulation of air through the canopy while maintaining the proper aesthetic appearance, natural crown characteristics and growth pattern for that species.

5.5.5.13 In reducing overall size, attention is to be given to symmetrical appearance. The top is to be higher and the sides reduced in order to maintain a tree-like form.

5.5.5.14 Do not "top" trees. Retain the trees natural shape as much as possible. Do not remove more than 20 percent of the total mass of the tree in a single pruning operation. Cuts must not be made so large that they will prevent normal sap flow.

5.5.5.15 The following methods of pruning are NOT acceptable: topping, heading-back, stubbing, de-horning, lion-tailing and pollarding.

5.5.5.16 Take care to retain symmetrical appearance when lifting the bottom branches of mature trees for under clearance.

5.5.5.17 Trim trees high enough to allow spray from turf rotor heads to pass unobstructed by foliage.

5.5.5.18 Trim the tree high enough to allow sunlight to penetrate the trunk sometime during the day which should be in the range of 10 to 15 feet above ground level.

5.5.5.19 Do not limb up a tree more than 1/4 of the tree's overall height. Take care to create a symmetrical, aesthetic appearance, conforming to the natural crown characteristics and growth patterns of the tree species.

5.5.5.20 As a general rule, do not limb up conifers; lowest limbs may be removed where touching the ground or obstructing walkways.

5.5.5.21 Report to the COR the following conditions: when old scars are not healing properly; where callus growth is not already established; visible girdling roots, and when there is any structural weakness; decayed trunk or branches; and split crotches, or branches.

5.5.5.22 Provide adequate warning devices, barricades, guards, flagmen and other necessary precautions for the protection, safety, and warning of pedestrians and vehicular traffic within the work area.

5.5.5.23 Do not operate trucks, tractors, and other heavy equipment on any turf area except when authorized in writing by the COR. Place heavy sheets of plywood or mud tracks to protect turf from damage from heavy equipment. "Board-in" and "board-out" when moving heavy equipment over turf. Protection boards must be removed from turf by the close of business each day to avoid damaging turf.

5.5.5.24 Tree limbs and branches from pruning operations must be transported to the spoils area, chipped and spread, and/or deposited onto the cemetery compost pile as approved by the COR; or hauled off site and disposed of in a legal manner.

5.5.6 TREEWORK DESCRIPTION

5.5.6.1 DEADWOOD PRUNING: Pruning to remove deadwood and/or broken branches that pose a potential risk that could result in personal injury or property damage. This category is used for any tree with broken, hanging, dead, or otherwise potentially dangerous limbs or those trees with a significant number of dead branches that require removal. This category also includes palm frond and palm seed head removal.

5.5.6.2 ROUTINE PRUNING: Regular maintenance to reduce the development of future problems or correct minor problems that could increase if not corrected. This primarily includes trees with minor amounts of deadwood less than two inches in diameter or with correctable structural problems. Trees with growth patterns that will eventually obstruct or interfere with turf growth and health, pedestrian or vehicular traffic clearance, and lines of sight are also included in this category. Work performed under Routine Pruning must remove 20 to 25% of the tree's total leaf area by means of one or combination of the types of Routine Pruning listed below. Examples of Routine Pruning include:

5.5.6.3 TRAINING PRUNING: Prune young or small trees less than 20 feet in height in order to reduce the development of future structural problems. Trees with growth patterns that will eventually obstruct or interfere with turf growth and health, pedestrian or vehicular traffic clearance, and lines-of-sight are also included in this category.

5.5.6.4 CROWN RAISING: The removal of the lower branches of a tree to provide clearance for buildings, signs, vehicles, pedestrians and vistas, also known as "limbing up" and "lifting". Do not "limb up" coniferous trees.

5.5.6.5 CROWN THINNING: The selective removal of dead, diseased, broken or weakly attached branches (Crown Cleaning) and: the removal of branches to increase light penetration and air movement through the crown; thinning towards the branch tip to reduce the wind-sail effect of foliar clumps in the crown; and thinning to relieve the weight of heavy limbs. Only 25 percent of a tree's leaf area can be removed at any one time

5.5.6.6 CROWN CLEANING: The selective removal of dead, diseased, broken or weakly attached branches. This constitutes regular landscape maintenance pruning that will correct small growth problems before they become larger, more costly problems.

5.5.6.7 CROWN REDUCTION: Pruning to reduce the size of the tree.

5.5.7 RECORD KEEPING AND REPORTING:

5.5.7.1 FINAL TREE REPORT: At the completion of the work, the Contractor's site manager must provide the COR with an updated tree inventory listing the trees that were worked on and the type of tree work that was performed. The update must be provided on a copy of the cemetery tree inventory with the tree identification number and type of work executed clearly evident on the sheet.

5.5.7.2 INSPECTION: At the completion of the work, the COR must inspect the tree work in the company of the Contractor's site manager. Work determined by the COR to be

incomplete must be completed by the Contractor at no additional cost to the Government. Disputes arising regarding the status of the work will be reported to the CO for final resolution. The COR's report must include the Contractor's before and after photo-documentation, and the type of tree work indicated.

5.5.8 TREE LIMB AND BRANCH DISPOSAL

5.5.8.1 Remove tree limbs and branches of all sizes that have fallen from trees and transport to the spoils yard for green waste disposal. Cut to sizes that will fit inside of containers, or chip and spread as mulch as coordinated with the COR.

5.5.9 CEMETERY VEGETATION CONTROL

5.5.9.1 Control vegetation within the cemetery and outside perimeter enclosure walls and fences to control excessive weed growth, reduce any fire hazard, and provide a properly maintained appearance.

5.5.9.2 The work areas include Irrigated and non-irrigated areas in developed and undeveloped lands within the cemetery property lines, and lands between the property lines and the public roadway.

5.5.9.3 Maintain vegetation height at no more than 6 inches throughout the year by means of mowing, brush clearing/weed abatement. Mowing frequency varies throughout the year corresponding with active plant growth. Minimum mowing frequencies are twice per month in the wet season and once per month in the dry season.

5.5.9.4 In addition, maintain a five (5) foot fire break along both sides of the fence lines/property lines surrounding the developed and undeveloped area of the cemetery.

5.5.9.5 Work area does not include leased active agricultural fields on cemetery property.

5.5.9.6 DEVELOPED CEMETERY: Maintain irrigated and non-irrigated vegetation in visually prominent areas of the cemetery by mowing. Maintain vegetation height at 4 to 6 inches or less from the ground. In no circumstances shall the vegetation be allowed to grow taller than 6 inches. Mow vegetation in developed and undeveloped areas of the cemetery, perimeter of fence lines, spoils area, and other areas as directed by the COR. Clear brush twice monthly during active growing season and monthly during the slow growth season. Removal of Brush Clippings: Immediately remove brush clipping on the same day of the mowing event that produced them. Transport clippings to the spoils area as directed by the COR.

5.5.9.7 EQUIPMENT: Brush mowers with rotary cutters, flail crop shredders, or string trimmers may be used to clear vegetation within both developed and undeveloped areas of the cemetery. Deck size as required to perform task.

5.5.10 WILDFLOWER AREA MAINTENANCE

5.5.10.1 To maintain wildflower populations in designated areas, after the plants have bloomed, dried and dropped their seed, mow old stalks to a height of 3 to 6 inches or as approved by the COR. To further promote wildflower populations, weed control and re-seeding may be required as approved by the COR. Weed control must be Contractor-provided. Seed for replanting will be Government-provided.

5.5.11 WEED CONTROL

5.5.11.1 Maintain planting beds in an attractive state and free of weeds. Remove weeds and their root system.

5.5.11.2 Maintain tree wells and tree mulch rings free of weeds and turf.

5.5.11.3 Maintain non-planting beds such as storage and maintenance yards, areas of open earth, pavements, bark mulch beds, free of weeds. Weeds and their root system will be removed.

5.5.11.4 Maintain areas with mineral mulch such as rock-lined swales, rock borders, and other areas mulched with decorative rock free of weeds. Weeds and their root system must be removed. Mineral mulch includes: crusher fines, path fines, decomposed granite, pea gravel, gravel, pebbles, cobblestones, rip-rap, and boulders.

5.5.11.5 Twice yearly, cultivate planting beds by spading fork or approved equipment to loosen compacted soils to a depth of 6 inches. Avoid any damage to the roots and irrigation equipment. Cultivate soil immediately prior to fresh mulch replacement.

5.5.11.6 Apply pre-emergent herbicide twice yearly to planting beds, bark mulched beds, mineral mulch areas, tree wells and tree mulch rings, and open earth areas for the control of weed grasses and broadleaf weeds. Apply herbicide before the application of fresh mulch.

5.5.11.7 Apply monthly spot applications of post-emergent weed control, and/or manually remove weeds by cultivating soil and completely removing weeds.

5.5.12 PEST CONTROL

5.5.12.1 Complete each application specified in this Chapter “Tree, Shrub & Planting Bed Maintenance”, (weather permitting) in accordance with the approved Grounds Management Plan. Applications must be provided in accordance with manufacturers label instructions to ensure proper rate of active ingredient (ai) and timing.

5.5.12.2 Time application of pesticides to coincide with lifecycle of insects emerging from and entering into the plants.

5.5.12.3 Submit pesticide manufacturer’s data sheets and SDS sheets for approval of COR prior to application.

5.5.12.4 Apply pesticide soil drench to infested plants and topical bark spray once yearly and more frequently if insect infestation is evident to control target pests, such as borers, beetles, weevils, moths and their respective pupae.

5.5.12.5 Apply pesticide with soil injection equipment at rate, depth and spacing indicated in the manufacturer’s printed instructions for control of the target insect. Use products containing imidacloprid or clothianidin or other neonicotinoids for soil injection. Use as topical spray only when pest is present.

5.5.12.6 Apply horticultural oil to branches and leaves of plants infested with aphids, scale, thrips, mites, psyllids, and other insects which pupate over the winter. Apply oils in February before insect eggs hatch, and every 30 days until early summer.

5.5.12.7 Apply oils with high-pressure sprayer equipment at rate indicated in the manufacturer's printed instructions for control of the target insect.

5.5.12.8 Use horticultural oils to control aphids, scale, and thrips. Supplement horticultural oils with insecticides and/or biological controls.

5.5.12.9 Control ants at trees infested with aphids, scale, and thrips. Ants disrupt activities of natural predators.

5.5.12.10 See UC Davis IPM website: http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn7408.html

5.5.12.11 Apply appropriate pesticides to branches and leaves of plants for control of aphids, scales, thrips and other insects when insect is present.

5.5.12.12 Provide COR and Contractor with written report for each tree tested. Notify COR and Contractor immediately if Fusarium wilt is detected in any tree. Tag the tree with a yellow ribbon and provide an estimate to remove the tree by crane with as few cuts as possible. Protect adjacent trees and planting beds from airborne sawdust with plastic sheeting. Removal of the tree shall be under separate contract. No further pruning of infected trees are to be performed to avoid spread of the fungus to healthy trees.

5.5.13 PESTICIDE APPLICATION (GENERAL):

5.5.13.1 Post appropriate flags or markers in all treated areas for a period of 24 hours after a pesticide treatment has been applied accompanied by a sign informing the public of the time and date of the chemical application. Remove all flags and signs upon expiration of the 24-hour period.

5.5.13.2 Apply pesticides with pressurized spraying equipment at rate indicated in the manufacturer's printed instructions for control of the target insect.

5.5.13.3 Use surfactants and adjuvants with pesticides to improve insecticidal activity or application characteristics when recommended by pesticide manufacturer.

5.5.13.4 Contractor personnel applying applications must possess a current, valid State-issued pesticide application license. A copy of the license will be provided to the COR. The Contractor must be responsible for any damage resulting from the application of any pesticide treatment.

5.5.13.5 Train employees on environmental issues such as ground water contamination, wetland protection, and be consistent and fully compliant with all applicable Federal, State, County and City laws, ordinances, Right-to-Know laws, EPA guidelines, and regulations.

5.5.13.6 Report pesticide use to the County Ag Commissioners Office's when required by local jurisdictions.

5.5.14 ORGANIC MULCH

5.5.14.1 Maintain a 3-inch-deep layer of Contractor-provided, COR-approved, organic mulch to in planting beds, tree mulch rings, and open earth areas. Mulch material must be aesthetically pleasing, redwood or fir bark, dark brown, free of weeds or pests. Bark mulch must be similar in color and texture to the existing bark mulch and must be

approved by the COR prior to installation. Mulch must not be a chipped wood product and must not contain dyes or other colorants.

5.5.14.2 Maintain mulch in a uniform 3-inch depth throughout the planting beds and areas of open earth.

5.5.14.3 Hand weed and/or use appropriate chemical controls for weed control in mulch beds.

5.5.14.4 Apply fresh mulch if needed after application of pre-emergent herbicide.

5.5.14.5 Construct 6-foot diameter bark mulch rings around trees in turf as approved by the COR. Cut and remove circular shape from the sod and apply bark mulch. Keep bark mulch 3-inches away from the tree trunk.

5.5.14.6 Place bark mulch underneath fence lines to prevent cemetery turf from growing beyond the defined edge.

5.5.15 INORGANIC MULCH

5.5.15.1 MINERAL MULCH: Hand weed and/or use appropriate chemical controls for weed control in mulch beds. Remove weeds from mineral mulch, (e.g., rip-rap, boulders, cobble stone, river rock, pea gravel, decomposed granite, crusher fines, path fines).

5.5.15.2 Rake mineral mulch to remove depressions, footprints, erosion of all types, and other irregularities when the surface becomes unsightly and after storm events.

5.5.15.3 Supplement with matching mulch as approved by the COR to maintain complete coverage of the area being mulched.

5.5.15.4 MINERAL MULCH REHABILITATION: Reconstruct mineral mulch beds and drainage swales as approved by the COR when weeds cannot be controlled by conventional methods, and spaces between stones have become silted-in. Procedure: Remove and clean inorganic mulch. Remove debris and weed fabric within trench. Repair/reshape trench. Repair/replace weed barrier fabric, and edging where applicable. Apply pre-emergent herbicide. Replace mineral mulch in accordance with original construction drawings. Supplement with additional clean mineral mulch as needed.

5.5.16 PLANTING BED EDGING MAINTENANCE

5.5.16.1 Examine planting bed edging material and repair, reset, or replace edging material that has been broken, become loose, and become higher that surrounding grade.

5.5.16.2 Reset edging material so that the top of the edge is flush with adjacent turf or 1-inch above finish grade of the planting bed. Stake edging material with stakes as supplied by the original manufacturer of the edging material.

5.5.16.3 Examine machine-cut divot edges separating planting beds from turf. Remove bark mulch from divots so a thorough visual examination of the edging can be made. Reconstruct machine-cut divot edges that have become filled with soil, lost continuity of form and alignment, and become higher or lower than the surrounding grade.

5.5.16.4 Refill divot cut edges with specified bark mulch after re-cutting/re-shaping.

5.5.17 TREE STAKING AND MAINTENANCE

5.5.17.1 Set two tree stakes per tree in the direction of prevailing winds. Provide new tree stakes for newly planted trees to match existing tree stakes. Provide tree stakes on young trees requiring support with trunk caliper less than 3 inches. Re-set tree stakes on existing trees that have become loose or leaning. Provide replacement tree stakes where stakes are broken or missing to match existing tree stakes. Provide a third tree stake in extremely windy locations.

5.5.17.2 Provide two tree ties per stake. Locate the ties to provide support for upper and lower 1/3 of the tree. Adjust tree ties to be loosely fitted around the tree trunk to prevent girdling of the tree trunk. Resecure/replace tree ties that have become loose or fallen free from the tree.

5.5.17.3 Remove tree stakes and tree ties on trees with 3-inch caliper and larger, as approved by the COR. Completely remove stakes; do not saw stakes leaving embedded portion in the ground. Loosen or remove tree ties before they become embedded in the tree bark. Remove tree ties that have become embedded in the tree bark without injury to the tree.

5.5.18 PLANTING IRRIGATION

5.5.18.1 Irrigate planting beds during the growing season to the degree needed to maintain an attractive appearance and optimal plant growth.

5.5.18.2 Irrigate planting beds year-round in temperate climates to supplement rainfall.

5.5.18.3 Apply plant anti-desiccants to leaves of plants in harsh, dry winter climates where irrigation systems have been winterized for the season.

5.5.19 DEEP ROOT TREE IRRIGATION

5.5.19.1 Irrigate planting beds during the growing season to the degree needed to maintain an attractive appearance and optimal plant growth.

5.5.19.2 Deep root irrigate all established trees showing stress from drought.

5.5.19.3 Irrigate trees once a month in the dry season. Do not deep root irrigate native Oak trees June through August.

5.5.19.4 Inject water using a 200 PSI pressurized tank equipped with a hydraulic sprayer fitted with shut-off valve and root feeder wand attachment designed for injecting water and/or liquid fertilizer into the root system of trees.

5.5.19.5 Inject water underneath the drip line of the trees to thoroughly irrigate the root zone of trees. Liquid fertilizer may be applied at the same time of the irrigation. (***See*** *paragraph 5.4.20.5 Liquid Fertilizing*.)

5.5.19.6 Inject water into the top 4 to 8 inches of soil with a distance of 2.5 - 3.0 feet between injection points.

5.5.19.7 Start near the trunk and work out to the dripline of the branches. In clay soil extend injection sites beyond the branch tips.

5.5.20 PLANT FERTILIZING

5.5.20.1 GENERAL

5.5.20.1.1 Fertilize trees, shrubs and ground covers growing in planting beds during the active growing season. Provide either dry or liquid slow-release fertilizers specially formulated for the type of plant being fertilized.

5.5.20.1.2 Follow fertilizer manufacturer's printed instructions for each type of fertilizer applied.

5.5.20.1.3 Broadcast fertilizers onto moist soil; thoroughly water-in fertilizers immediately after application.

5.5.20.1.4 If soil is dry, follow applications of dry fertilizer with thorough watering. Watering will make the fertilizer immediately available to the tree and will help prevent burning of grass around the holes by fertilizer that may have been spilled. Some soluble fertilizer solutions may burn the grass unless washed in following applications.

5.5.20.1.5 In fertilizing trees that have roots extending into shrub beds, care must be taken not to punch holes closer than 24-inches to the crowns of small plants.

5.5.20.2 DRY FERTILIZING (ESTABLISHED TREES 6-INCH DBH AND LARGER):

5.5.20.2.1 FORMULA: A 10-6-4 or similar formula. Any complete fertilizer containing 6-10% available nitrogen is acceptable. High amounts of phosphorus and potash are unnecessary.

5.5.20.2.2 METHODS: Punch-hole with power drives or hand bar; and drilled-hole with power-driven or hand auger. When holes are drilled, the soil brought to the surface by the auger must be removed from the turf when the job is completed.

5.5.20.2.3 LOCATION OF HOLES: Start holes 2-1/2 feet or more from base of trunk. Keep far enough away to prevent injury to base of the trunk or root flare. Stagger holes about 2 feet apart; and locate then in circular patterns underneath the crown-spread to the outer tips of the branches.

5.5.20.2.4 DEPTH OF HOLES: 10 to 15 inches.

5.5.20.2.5 AMOUNT OF FERTILIZER PER TREE: 3-5 pounds for each inch of trunk diameter measured 4-1/2 feet above ground. In determining the amount of fertilizer to use per tree, consider the soil area in which fertilizer can be applied. If the area beneath spread of the branches is restricted, reduce the application in proportion to the number of holes that cannot be made. Trees growing between the sidewalk and a paved street should rarely receive over one-half the amount of fertilizer indicated by measuring the trunk diameter at 4-1/2 feet above ground level.

5.5.20.2.6 METHOD OF APPLICATION: Start inside, near trunk, and work out toward the drip line of the branches; until the prescribed amount of fertilizer is used. Trees with spreading roots systems, such as Elms and Maples growing in clay soil, often will have roots beyond the drip line of the branches. In such cases it is good to extend the area fertilized, especially if all the fertilizer has not been used under the branch spread. Located holes as previously described, or if trees are in groups the fertilizer may be applied in holes arranged in square patterns to five more, uniform spacing.

5.5.20.2.7 FILLING OF HOLES: Place one cup of fertilizer in each hole. A metal orange juice can (2 inches in diameter by 3 inches tall) is a convenient measure--one can full to each hole. Finish filling holes with humus, Michigan peat or native soil. If native soil is heavy clay, the holes must be filled with sand to improve aeration and to enable water to penetrate more readily. Fertilizer must be immediately watered-in after application.

5.5.20.2.8 CLOSING OF HOLES: In turf areas, the holes may be closed by pressing from different angles with the heel of the worker's shoe.

5.5.20.2.9 'AERO-FERTIL' METHOD: This is a good method for aerating the soil and distributing fertilizer, especially in case of trees growing in heavy soil. Holes are drilled in much the same pattern as described previously, except that they are usually placed 3-4 feet apart and 15-18 inches deep. By use of a special piece of equipment ('Aero-Fertil' Gun) a charge of compressed air from a compressor is injected from the drilled hole. This blast of air fractures to soil for some distance from the point of entry. Fertilizer and humus, if desired, are then blown into the hole and through the fractures in the soil by a second blast of air.

5.5.20.3 DRY FERTILIZING (ESTABLISHED TREES LESS THAN 6-INCH DBH): For trees less than 6 inches in trunk diameter use the same methods described for larger trees, but use less fertilizer. One and one-half to 3 pounds per inch of trunk diameter measured 4-1/2 feet above ground is recommended for trees of this size; 1-1/2 pounds per inch for 2–3-inch trees; and 2 to 3 pounds per inch for 4-5 inch trees.

5.5.20.4 DRY FERTILIZING (SHRUBBERY): Apply one cup of fertilizer per every two feet of spread of the plant by sprinkling onto the surface of the soil. The fertilizer must not be closer than one foot from base of shrub and extend to the perimeter of the branches.

5.5.20.5 LIQUID FERTILIZING

5.5.20.5.1 Liquid fertilizing of establish tress may be substituted for dry fertilizing with COR approval.

5.5.20.5.2 Inject liquid fertilizers under driplines of trees during the active growing season in spring.

5.5.20.5.3 Liquid feeding when heavy soil is excessively wet will further exclude the soil's air and may be detrimental to the tree. Liquid feeding is most beneficial when the soil is on the dry side.

5.5.20.5.4 FORMULA: Soluble fertilizers are available on the market with analyses, such as 15-8-4, 15-15-15, 20-20-20, 24-12-12, and others. Brand names of some soluble fertilizers used for feeding trees are Arbor Care, Heller-Gro, Fermel, Millers, Ra-Pid Gro, Kapco. These materials are used at dilutions of 2-10 pounds per 100 gallons of water, and 5-7 gallons of solution are used per inch of trunk diameter of the tree being fertilized. With any brand of soluble fertilizer used in liquid feeding, follow the manufacturer's printed directions.

5.5.20.5.5 Inject fertilizer using a 200 PSI pressurized tank equipped with a hydraulic sprayer fitted with shut-off valve and root feeder wand attachment designed for injecting water and liquid fertilizer into the root system of trees.

5.5.20.5.6 Inject fertilizer into the top 4 to 8 inches of soil with a distance of 2.5 - 3.0 feet between injection points or as indicated in the fertilizer manufacturer's printed instructions.

5.5.20.5.7 Start near the trunk and work out to the dripline of the branches. In clay soil extend injection site beyond the branch tips.

5.5.21 PLANTING BED APPLICATION SCHEDULE:

5.5.21.1 List each planting bed application and planned application date within the Grounds Management Plan. Apply fertilizers, pesticides, herbicides and mulch, deep root irrigation as indicated herein. Provide fertilization, pest control, grass & broadleaf weed control, mulching and irrigation, services for planting beds, mulch beds, and open earth areas in strict accordance with NCA Standards.

5.5.22 REPLACEMENT PLANTING:

5.5.22.1 Furnish and install nursery plants as approved by the COR. The Pacific District Agronomist will provide a plan showing the location, species and size of plants to be planted. Replacement plants may not always be the same as the original plant species needing replacement. Emphasis will be on replacing non-native plants with native plants known to thrive within the cemetery.

5.5.22.2 Minimum tree size shall be #15 container (18-inch Ball & Burlap); minimum shrub size shall be #5 container; and minimum groundcover size shall be #1 container. Plant sizes shall be in accordance with American Standards for Nursery Stock (ANZI Z60.1-2004).

5.5.22.3 Any donated plant material offered for installation must be approved by the COR prior to acceptance of the donation. Install donated plant material as approved by the COR.

5.5.22.4 Prepare soil of the planting bed as indicated for “Turf Renovation”. In the case of tree planting, the Contractor must remove all obstructions including tree stumps and roots to a depth of 1-1/2 times the depth of the rootball.

5.5.22.5 Conform to the tree planting procedure shown for the appropriate state below:

5.5.22.6 University of California Agriculture and Natural Resources Publication 8046 “Planting Landscape Trees” unless noted otherwise herein. http://anrcatalog.ucanr.edu/pdf/8046.pdf

5.5.22.7 PLANTING: Excavate a plant pit equal to 2 times the width of the rootball, and 1 to 2 inches less than the depth of the rootball. Roughen the sides of the planting pit. Set the rootball on firm subgrade with the rootball 1-inch higher than the surrounding grade. Backfill the plant with native soil avoiding use of subsoil and hard clods. Place and compact in 6-inch lifts. Form a 3-inch high watering basin around the outside edge of the rootball and water-in the plant thoroughly. Apply starter fertilizer in accordance with manufacturer’s printed instructions for size and type of plant material.

5.5.22.8 IRRIGATION: Supplement automatic irrigation with hand-watering until the plant is well-established. Where utilized, reset drip tubing on both sides of the rootball conforming to the existing tubing depth and layout making any necessary repairs. On slopes ensure the drip tubing is on the uphill side of the plant. Stake drip tubing in place using galvanized steel “J” stakes.

5.5.22.9 TREE STABILIZATION: Double-stake new trees. Triple-stake with 2-inch diameter lodge pole tree stakes and cross-brace stakes with 1x4 dimensional lumber where adverse effects from high winds are evident. Secure trunk loosely to stakes with rubber tree ties. Stain tree stakes and braces with dark brown, low-gloss, wood stain.

5.5.22.10 Provide mulch tree ring around new trees. Mulch rings must be 4 feet in diameter centered on the tree trunk forming a circle. Remove sod within the area of the mulch ring.

5.5.22.11 Report trees which have been damaged in any way to the COR without delay. Plant material damaged by the Contractor must be replaced at the Contractor's expense at no additional cost to the Government using the ISA Tree Valuation Guide.

5.5.23 SEEDING WILDFLOWERS

5.5.23.1 Seed mix will be supplied by the cemetery and installed by the contractor. Seed mix shall be a mix of native annual and perennial wildflowers locally available to the area.

5.5.23.2 Seed areas of the cemetery designated for wildflowers, in early spring (late February/early March) to coincide with annual rainfall as approved by the COR. Do not sow seed when weather conditions are unfavorable, such as during drought, heavy rain or high winds.

5.5.23.3 Apply post-emergent herbicide to kill both broadleaf and grass weed species. Wait until herbicide has effectively killed weeds before proceeding to next step. Reapply herbicide as needed to achieve 90% kill of weed species.

5.5.23.4 Mow existing vegetation as short as possible, 1/2 to 1 inch in height, removing clippings from the site with bag attachments.

5.5.23.5 Apply 18:24:12 (N:P:K) granular starter fertilizer at a rate of 5 lbs./1000 sq-ft (200 lbs./Acre).

5.5.23.6 Broadcast starter prior to seed placement such that a maximum of 1 pound of actual Nitrogen is applied per 1000 square-feet of seed bed. Broadcast fertilizers using an accurately calibrated spreader to uniformly apply fertilizer to the designated areas.

5.5.23.7 Seed native wildflower seed mix at 20 lbs./Acre using a mechanical slit seeder.

5.5.23.8 Use a slit seeding unit equipped with verticutting blades that cut through existing vegetation and opens up a slit or miniature furrow in the soil. The depth of the slit into the soil must be no more than 1/2 the length of the seed husk.

5.5.23.9 Make two passes with the slit seeder at 45-degree angles to each other leaving a diamond shaped pattern with the seed placed into the soil at 2 inches apart.

5.6 IRRIGATION SYSTEM SERVICES

CLIN 0009– Qty 12 Months
Subject to SCA and Commercial Provisions/Clauses

General Requirements:
- Irrigation System Management
- Irrigation System Maintenance
- Irrigation System Minor Repairs

5.6.1 IRRIGATION SYSTEM MANAGEMENT

5.6.1.1 DEFINITIONS

5.6.1.2 **Evapotranspiration (ET):** The combined loss of water from soil through evaporation and plant transpiration.

5.6.1.3 "**Hot Spot":** An isolated patch of turf as evident by dry soil, hydrophobic soil, and brownish or yellowing leaf color.

5.6.1.4 SCOPE

5.6.1.5 Irrigate all turf, tree, shrub and planting bed areas to ensure plant growth and health with no more than 10 percent "brown" areas due to water stress. The frequency and duration of irrigation must be based on replenishing the loss of water from soil using measurements of evapotranspiration. The irrigation schedule must be approved by the COR and the Pacific District Irrigation Specialist / Agronomist.

5.6.1.6 Program and manage the irrigation controllers to ensure that all cemetery plant material receives the optimum amount of water for plant health and vigor. The Contractor shall not overwater the plant material. Any plant material lost by over irrigation or under irrigation as determined by the COR shall be replaced by the Contractor at no additional cost to the Government. The Contractor shall ensure that there is no standing water in the interment areas, and walkways.

5.6.1.7 Inspect the entire irrigation system each workday and report the system's condition in writing to the COR each week on Wednesday. If there is an emergency that requires immediate attention, notify the COR without delay.

5.6.1.8 Utilize evapotranspiration measurements from weather stations to program irrigation frequency and duration. For cemeteries without on-site weather stations, subscribe to on-line services to provide local evapotranspiration data.

5.6.1.9 Provide and pay monthly service charges for commercially-available internet service to the central irrigation computer needed to access cloud-based control systems, on-line data, technical support, and download software updates.

5.6.1.10 Renew annual subscription and pay monthly service charges for cemeteries with cloud-based control systems, and controllers using cellular communication.

5.6.1.11 Maintain irrigation equipment used to automate irrigation events in accordance with manufacturer's printed instructions.

5.6.1.12 Fine-tune schedules utilizing theoretical evapotranspiration data with visual observations of soil moisture and turfgrass health. Make adjustments to schedules to maximize turf health while minimizing soil moisture.

5.6.1.13 Operate manually controlled sprinklers to assure even watering with no more than 10 percent brown area due to water stress.

5.6.1.14 Hand water "hot-spots" where irrigation coverage is lacking. Do not overwater turf in a given irrigation zone to compensate for isolated dry areas. Evaluate irrigation coverage and adjust head locations and add sprinkler heads to solve coverage problems as approved by the COR and District Irrigation Specialist. Do not change individual sprinkler nozzle sizes to provide coverage for dry areas unless indicated by irrigation audit reports to improve overall efficiency. Apply soil-wetting agent for turf (soil surfactants) to hydrophobic soils which will not readily accept water.

5.6.1.15 Provide one irrigation audit for each turf irrigation zone that employs different head or nozzle sizes using the "catch can" technique. Provide water audits for no less

than ten (10) turf rotor zones as approved by the COR. Irrigation audits must be conducted by a Certified Landscape Irrigation Auditor accredited by the Irrigation Association. Present a certificate of course completion to COR as evidence of credentials. Make adjustments to irrigation system based on written recommendations of irrigation audit, such as pressure regulation settings and nozzle exchanges. Calculate actual precipitation rate(s) and Distribution Uniformity Low Quarter (DU_{LQ}) for each irrigation zone audited and use this information to develop the irrigation schedule.

5.6.1.16 If Distribution Uniformity Low Quarter (DU_{LQ}) for any zone is less than 0.71, change turf rotor nozzle sets and re-audit.

5.6.1.17 Exchange nozzles sets and re-audit until highest possible DU_{LQ} is achieved.

5.6.1.18 Do not perform irrigation audits when wind conditions exceed 5 mph.

5.6.1.19 Provide one drip irrigation audit for each irrigation zone that employs different emitter spacing, and drip irrigation technique. Provide irrigation audits for no less than ten (10) drip zones as approved by the COR. Irrigation audits must be conducted by a Certified Landscape Irrigation Auditor accredited by the Irrigation Association with a drip irrigation specialty. Present a certificate of course completion to COR as evidence of credentials. Calculate actual precipitation rate(s), Distribution Uniformity, and efficiency coefficient for each irrigation zone audited and use this information to develop the irrigation schedule. Make adjustments to irrigation system based on written recommendations of irrigation audit, such as pressure regulation settings, emitter flow rate and spacing, filtration, numbers and locations of flush and air relief and check valves, maintenance recommendations, and repairs.

5.6.1.20 If Distribution Uniformity is less than 0.90, make adjustments to system pressure, drip tubing layout and emitter flow rate and spacing to achieve targeted results.

5.6.1.21 Do not perform drip irrigation audits when soils are saturated.

5.6.1.22 The Contractor must have an employee or consultant schedule and manage the irrigation system. The Contractor's Irrigation Manager must have a minimum of two years' experience in the management of large commercial irrigation systems equipped with central irrigation control systems, (e.g., Rain Bird Maxicom, Site Control, IQ; Rain Master Oasis, Laguna, Eagle; Calsense ET2000e, CS300; Baseline; etc.).

5.6.1.23 The Contractor's Irrigation Manager must be Certified Irrigation Technician (CIT) and Certified Landscape Irrigation Auditor (CLIA) certified by the Irrigation Association (IA). Submit a certificate of completion as evidence that the irrigation manager has completed the required training. All subsequent irrigation managers are required to complete the same training.

5.6.1.24 To become certified by the IA, the successful candidate must have: 1) Six months or 1,000 hours of irrigation-related field experience; 2) Passed the irrigation technician exam. The three-hour exam includes 100 equally weighted, multiple-choice questions on basic irrigation principles, basic electrical principles and basic hydraulics; 3) Complied with the Select Certified Code of Ethics; and 4) Remained in

good standing. CIT's must submit 20 continuing education units (CEU's) per two-year cycle.

5.6.1.25 To become a Landscape Industry Certified Technician (LICT), the successful candidate must: 1) Have completed and earned the certificate in "Irrigation"; have passed written and hands-on exams in the Irrigation certificate course; and 2) Remain in good standing. LICT's must report 24 Continuing Education Units (CEUs) every two years to maintain the active status of their certification.

5.6.1.26 The Contractor's Irrigation Manager must be trained by the pump station manufacturer or an authorized representative, in "winterizing" and spring start-up of the pump station and all of its components. Provide the irrigation manager with a minimum of 16-hours of on-site training. Submit a certificate of completion as evidence that the irrigation manager has completed the required training. All subsequent irrigation managers are required to complete the same training. Film the training session to be used as a re-fresher course prior to winterizing and spring start-up. Provide digital copy to the COR and District Irrigation Specialist.

5.6.1.27 The Contractor's Irrigation Manager must be trained by the irrigation control system manufacturer or an authorized representative, in information gathering, data entry, programming, scheduling, and trouble-shooting of the central irrigation control system. Provide the irrigation manager with a minimum of 16-hours of on-site training. Submit a certificate of completion as evidence that the irrigation manager has completed the required training. All subsequent irrigation managers are required to complete the same training. Film the training session to be used as a re-fresher course. Provide digital copy to the COR and District Irrigation Specialist.

5.6.1.28 Gather site data (i.e., planting type, percent slope, soil type, soil infiltration rate, geographic location, etc.), weather data, (i.e., solar exposure, evapotranspiration rates, wind speed, temperature, rainfall, etc.) and sprinkler head output data (i.e., head type, drip emitter type, emitter spacing, emitter GPH, nozzle GPM, zone GPM's, PSI, precipitation rate (PR) and Distribution Uniformity Low Quarter (DULQ)), and enter data into the central control system program as often as required to update system parameters.

5.6.1.29 Contact Irrigation District/Water Purveyor at the beginning of each water year to obtain written directives regarding voluntary and mandated water use restrictions. Present a copy of the directive to the COR and the District Agronomist. Upon the approval of the COR, make necessary adjustments to the irrigation schedule to comply with water use restrictions imposed by water suppliers, federal, state, and/or city mandates. The scheduling adjustments must be made zone by zone according to a hierarchy of lowest to highest visually prominent areas designated by the National Cemetery Administration's "Drought Response Contingency Plan". Provide a modified irrigation schedule to the COR and Pacific District Irrigation Specialist/ Agronomist demonstrating compliance with water use reduction mandates.

5.6.1.30 The Contractor's Irrigation Manager and Site Supervisor must complete the water purveyor-mandated "Recycled Water Site Supervisor Certification Training" where required and receive certification to irrigate with reclaimed water. All subsequent

irrigation managers and site supervisors are required to complete the same training.

5.6.1.31 GENERAL REQUIREMENTS

5.6.1.32 Irrigate turf infrequently in a quantity sufficient to wet the entire root zone (usually a minimum 6-inch depth). Do not irrigate again until turf shows signs of wilt. Test water infiltration depths with a soil core sampler, soil moisture meter or similar device.

5.6.1.33 Submit a baseline irrigation schedule in electronic format for approval of COR and Pacific District Irrigation Specialist. The schedule must show each zone on the irrigation system and display total daily run times in minutes, total cycles per day, and frequency of watering days per week for the month of July. Determine run times based on the results of the irrigation audit and infiltration rate of the soils. For each zone indicate in a spread sheet:

5.6.1.34 Distribution Uniformity Low Quarter (DULQ).

5.6.1.35 Irrigation head type, manufacturer, model number.

5.6.1.36 Nozzle size, and nozzle precipitation rate (PR) in inches per hour.

5.6.1.37 Total zone gallons per minute.

5.6.1.38 Utilize the cemetery's on-site weather station and central software to make automatic adjustments to irrigation run times based on actual evapotranspiration (ET) rates logged at the site. Print out station run-time history and water use records at the end of each billing cycle for review of the COR and District Irrigation Specialist. Alternatively, for cloud-based irrigation controllers, upload ET data supplied daily from cloud-based weather service to automatically adjust irrigation run times.

5.6.1.39 For Cemeteries without an on-site weather station or cloud-based ET data, show monthly adjustments for each zone as total run times in minutes, or a percentage reduction in peak water application for the month of July. List historical evapotranspiration (ET) rates for each month of the year for the cemetery. List official source(s) of ET data.

5.6.1.40 Program irrigation controller to apply water to match the water infiltration rate of the site soils. Use several start times (or "cycle and soak" feature of the controller) to allow irrigation water to infiltrate soils and avoid water waste through run-off. Reference soil test reports for soil infiltration rates (in/hr).

5.6.1.41 Program irrigation controller to avoid high wind time periods observed on the site. Typically start irrigation as late into the evening as the schedule will allow to avoid high winds usually associated with late afternoon/early evening periods.

5.6.1.42 Program a syringe cycle to remove morning dew from turf to control fungal pathogens where present.

5.6.1.43 Program thresholds on central control system to automatically shut-down master valves when peak scheduled flow is exceeded by 105 percent of peak flow indicating a mainline break. (Do not set programming to shut down master valve due to excess flow associated with a single broken sprinkler head.)

5.6.1.44 Make adjustments to sprinkler heads and irrigation/water control equipment weekly as required to assure even distribution of water to all irrigated areas. Tasks include but are not limited to: adjust height of sprinklers to be flush with grade; adjust arc and radius to minimize overspray onto pavement and adjacent landscape areas; align heads perpendicular to grade; unclog sprinkler nozzles; clean internal screens; relocate heads or add heads to avoid impediments which inhibit proper distribution; replace non-matching sprinkler heads and nozzles; and provide new nozzles sets for entire zones to increase Distribution Uniformity Low Quarter (DULQ) as determined by the Irrigation Audit.

5.6.1.45 Make adjustments to drip irrigation outlets and irrigation/water control equipment each workday as required to ensure even distribution of water to all irrigated areas. Tasks include but are not limited to: adjusting depth of drip tubing; adjusting location of drip tubing in relation to plant rootball; aligning and staking drip tubing to be parallel to grade; flushing drip lines; cleaning drip filters; relocating drip tubing or add drip tubing to avoid impediments which inhibit proper distribution; replacing non-matching drip tubing; and providing new drip tubing for entire zones to increase Distribution Uniformity Low Quarter (DULQ) as determined by the Irrigation Audit.

5.6.1.46 Create irrigation wall map(s) from full size irrigation as-built drawings. Obtain the CAD electronic files from the Irrigation Specialist or District Agronomist for this purpose. Verify actual field locations of controllers, mainline and valves; and adjust line work on drawings accordingly. Plot a color-coded drawing with different colors for remote control valves and their corresponding controllers onto one or more 30 by 42-inch sheets as required for legibility. Laminate and post drawing(s) in a convenient location for staff's use.

5.6.2 IRRIGATION SYSTEM MAINTENANCE

5.6.2.1 SCOPE

5.6.2.1.1 Provide regularly scheduled preventative maintenance to irrigation equipment before failures occur. Follow instructions in Operations and Maintenance (O&M) Manuals for routine maintenance unless indicated otherwise. Obtain a copy of the O&M manuals from the COR.

5.6.2.1.2 Provide all labor, materials and supplies to maintain the irrigation system downstream of the control valves in an operable condition free of leaks and waste of water. This includes non-pressure piping, fittings, risers and outlets.

5.6.2.1.3 Provide all labor, materials and supplies for routine preventative maintenance inspections.

5.6.2.1.4 Service calls reports must be accompanied by a quote for parts and labor needed to make any necessary repairs above and beyond routine maintenance.

5.6.2.1.5 When requested by the CO, submit quotes to make repairs to irrigation equipment noted to have defects or failures identified during regularly scheduled preventative maintenance.

5.6.2.2 DEFINITIONS

5.6.2.2.1 **Non-pressure Piping:** Lateral line pipe that is not under water pressure until the control valves are opened. Pipe that is typically downstream of the control valve.

5.6.2.2.2 **Pressure Piping:** Mainline and submain pipe that is constantly under water pressure. Pipe that is typically upstream of the control valve.

5.6.2.2.3 **Outlets:** Sprinkler heads, drip emitters, drip flush valves, drip air relief valves.

5.6.2.2.4 **Valves:** Backflow prevention devices, isolation valves, pressure regulating valves, automatic valves, air and vacuum release valves, remote control valves, hose bibs, quick couplers,

5.6.2.2.5 Inspect the entire irrigation system and report the system's condition to the COR once each week on Friday. Monitor and manage the entire irrigation system, up to and including the point-of-connection, the city water meters, backflow prevention devices, pump station, water storage tank, mainline, and immediately report any leaks, breaks and irregularities to the COR. Immediately control leaks and/or breaks to ensure that no flooding or washouts occur.

5.6.2.2.6 Provide corrections to defective lateral lines and sprinkler heads (e.g., turf rotors, shrub rotors, spray heads), and emission devices (e.g., drip tubing, emitters, bubblers, etc.) to provide a fully functional irrigation system. All irrigation materials and supplies are to be provided by the Contractor.

5.6.2.2.7 Repair or replace missing, defective, damaged, broken, malfunctioning and inoperative sprinkler heads, tree bubblers, shrub bubblers, drip emitters, tree emitter loops, broken non-pressure pipe and fittings, broken drip tubing and drip irrigation accessories as often as necessary to properly maintain the health, quality appearance and vigor of all irrigated plant material. All replacement parts and materials are to be provided by the Contractor.

5.6.2.2.8 Provide an initial inventory log at the beginning of the contract, and maintain an inventory of commonly needed parts, supplies and equipment to enable timely repair and replacement of critical components as approved by the COR. Maintain a quarterly inventory log for review of the COR. Note on the log each repair made and parts used to make the repair. Maintain an adequate supply of parts, supplies and equipment required to make repairs, (e.g., lateral line breaks). Store parts, supplies and equipment in a secure location. Replace stolen and missing parts, supplies and equipment at no additional cost to the Government.

5.6.2.3 IRRIGATION PUMP STATION

5.6.2.3.1 Provide an Irrigation Pump Station preventive maintenance plan for pressure booster pumps, jockey pumps, submersible pumps, electric motors, electrical switches, valves and filters based on manufacturer's Operations and Maintenance manuals. Prior to initiation of contract, submit a copy of this plan for COR approval. Any deviations from this plan must be approved by the COR. This service is designed to: provide efficient equipment operation; extend the life of the units; identify potential problems before major breakdowns occur; and reduce system downtime. Where the pump station requires "spring start-up" and "winterization", the Irrigation Pump Station preventive maintenance plan must provide step-by-step instructions for decommissioning and recommissioning of the pump station.

5.6.2.3.2 Work must be performed by a qualified electrical and pump service technician in a mobile dispatched service truck. Pump service technician must be certified by the pump station manufacturer or have a minimum of 5 years experience servicing pumps by the pump station manufacturer. Prior to initiation of contract, provide copies of documents and or certificates showing technicians meet this requirement to the COR.

5.6.2.3.3 Provide a minimum of four yearly service calls, plus one additional emergency (on-call) 3-hour visit per year..

5.6.2.3.4 Provide the emergency service with 24 hours after notification.

5.6.2.3.5 Provide written service report to COR within 5 days of each visit, and alert COR of any recommended repairs above and beyond routine maintenance. Submit quote for repairs to COR.

5.6.2.3.6 Provide the following services on each piece of equipment listed below in accordance with the pump station manufacturer's printed Operations and Maintenance (O&M) Manuals. Obtain a copy of the O&M Manuals from the COR.

5.6.2.3.7 Visual inspection of pump station.

5.6.2.3.8 Evaluate pump station operation at various flows. Take voltage and current rating and compare to last report.

5.6.2.3.9 Check all safety shutdown features.

5.6.2.3.10 Confirm pump station is operating properly.

5.6.2.3.11 Check tightness on flange and motor bolts.

5.6.2.3.12 Check and verify PRV and High-Pressure Relief Valve operation. Adjust valves as required.

5.6.2.3.13 Check coupling alignment on pump(s).

5.6.2.3.14 Grease or oil motor bearing(s).

5.6.2.3.15 Change motor bearing oil once a year.

5.6.2.3.16 Check stuffing box for leakage.

5.6.2.3.17 Open wye-strainer blow-down valve to provide heat exchanger flush.

5.6.2.3.18 Inspect basket strainers, clean debris from interior and screens, check screen for wear, and reassemble.

5.6.2.3.19 Inspect and tighten all electrical connections in electrical panel.

5.6.2.3.20 Conduct Infrared Temperature Check (check electrical panels for hot spots, defective transformers and detect loose connections).

5.6.2.3.21 Inspect contactors for pitting and excessive wear.

5.6.2.3.22 Remove and clean diaphragm and pilots on safety relief valve.

5.6.2.3.23 Inspect Inverter and PLC and/or Starting Equipment.

5.6.2.3.24 Verify all surge devices are visually sound.

5.6.2.3.25 Check pressurized water tanks for leakage and pressure holding capabilities. Note flow from well (gpm), pump cut in (psi), pump cut out (psi), and tank pre-charge pressures (psi) on service record.

5.6.2.3.26 Verify all electrical connectors are at proper torque settings.

5.6.2.3.27 Verify electrical grounding of the motor armatures.

5.6.2.3.28 Clean/change all cooling filters and grills.

5.6.2.3.29 Remove all dirt and dust that has penetrated the unit interior, and that has accumulated on the processor board.

5.6.2.3.30 Clean station pumps, motors, control panel and associated components.

5.6.2.3.31 Clean pump house interior and/or clean pump station yards within the fenced enclosures of trash, dirt and debris.

5.6.2.3.32 Clear water intake structure of debris.

5.6.2.3.33 Provide written service report to COR within 5 business days of each visit.

5.6.2.3.34 Alert COR of any recommended repairs above and beyond routine maintenance. Submit quotes for repairs to COR.

5.6.2.3.35 Swap lead and stand-by pumps annually to provide for even wear and tear on the pumps.

5.6.2.4 PUMP STATION FILTERS

5.6.2.4.1 Provide routine maintenance for pump station filters per the Operations and Maintenance (O&M) Manual. Obtain a copy of the O&M Manual from the COR.

5.6.2.4.2 Contractor must be an authorized service provider of installed filtration system. Provide to the COR prior to initiation of contract, copies of documents and or certificates showing technicians meet this requirement.

5.6.2.4.3 Contractor will provide at a minimum, quarterly (4) site visits per year to service filters at pump stations, plus one (1) additional emergency on-call service. Schedule the maintenance services with the approval of the COR.

5.6.2.4.4 Provide the emergency service with 24 hours after notification.

5.6.2.4.5 Provide written service report to COR within 5 days of each visit, and alert COR of any recommended repairs above and beyond routine maintenance.

5.6.2.4.6 General Pump Filter Maintenance: Provide a preventive maintenance plan for maintenance of the filtration systems to the COR. Test and inspect the filtration systems based on manufacturer's printed O&M manuals, including but not limited to the tasks listed below. Perform tasks in accordance with manufacturer's preventative maintenance schedule. Any discrepancies or unrecorded maintenance items shall be reported to the COR.

5.6.2.4.7 CENTRIFUGAL FILTERS:

5.6.2.4.8 Visual inspection of pump filter.

5.6.2.4.9 Open and close by-pass valves to exercise valves.

5.6.2.4.10 Clean mini filter.

5.6.2.4.11 Inspect plastic tubing.

5.6.2.4.12 Check flush valve for proper operation.

5.6.2.4.13 Check wire connections.

5.6.2.4.14 Clean exterior of equipment.

5.6.2.4.15 Provide written service report to COR within 5 business days of each visit.

5.6.2.4.16 Remove the main filter screen and check for wear and tear. Re-install.

5.6.2.4.17 Inspect dirt collector, flush valve, piston and differential pressure gauge.

5.6.2.4.18 ANNUALLY, INSPECT FOR WEAR AND TEAR: cover seal; fine screen; dirt collection nozzles; air/water connections; O-rings; piston; dirt collector.

5.6.2.4.19 Alert COR of any recommended repairs above and beyond routine maintenance. Submit quote for repairs to COR.

5.6.2.4.20 SAND MEDIA FILTERS:

5.6.2.4.21 Visual inspection of pump filtration system for leaking gaskets, gauge operation, hydraulic tubing integrity, and system pressure drops, wiring condition, paint condition
5.6.2.4.22 Check media depth yearly.
5.6.2.4.23 Clean water pickup assembly filter.
5.6.2.4.24 Inspect hydraulic line connections.
5.6.2.4.25 Inspect electrical connections and control box seals.
5.6.2.4.26 Lubricate backwash valve with general purpose water insoluble grease.
5.6.2.4.27 Inspect valve interior components (seals, diaphragm, shaft, etc.).
5.6.2.4.28 Check coupling gaskets for leaks.
5.6.2.4.29 Check system pressure differential.
5.6.2.4.30 Check backwash flow rate.
5.6.2.4.31 Check flow meter to assure proper flow rate.
5.6.2.4.32 Monitor duration of flush cycle.
5.6.2.4.33 Evaluate seasonal water quality fluctuations for possible settings adjustments.
5.6.2.4.34 Service downstream strainer.
5.6.2.4.35 Provide chlorine shock treatment.
5.6.2.4.36 Clean exterior of equipment.

5.6.2.5 PRESSURE REDUCING

5.6.2.5.1 Provide a preventive maintenance plan for maintenance of all pressure reducing and valves based on manufacturer's Operations and Maintenance manuals. Prior to initiation of contract, submit a copy of this plan for COR approval. Any deviations from this plan shall be authorized by the COR. This service is designed to extend the life of the units and identify potential problems before major breakdowns occur, reduce system down time, and provide reliable equipment operation.
5.6.2.5.2 All work must be performed by a qualified electrical and valve service technician in a mobile dispatched service truck. Prior to initiation of contract, provide the COR copies of documents and or certificates showing technicians meet the requirements.
5.6.2.5.3 Service the valves once per year, plus one additional emergency on-call service. Schedule the maintenance service with the approval of the COR.
5.6.2.5.4 Contractor must provide emergency service within 24 hours after notification.
5.6.2.5.5 Quarterly, exercise shut-off and diversion valves. Inspect for complete closure. Provide a report to the COR.
5.6.2.5.6 Provide written service report to COR within 5 days of each visit, and alert COR of any recommended repairs above and beyond routine maintenance.
5.6.2.5.7 PROVIDE THE FOLLOWING SERVICES ON EACH OF THE VALVES:
5.6.2.5.8 Disassemble.
5.6.2.5.9 Clean.
5.6.2.5.10 Inspect main control valve.
5.6.2.5.11 Inspect pilot control.
5.6.2.5.12 Rebuild internal valve and replace diaphragm.
5.6.2.5.13 Rebuild pilot assembly.
5.6.2.5.14 Reassemble.
5.6.2.5.15 Adjust operating pressure.

5.6.2.6 WEATHER STATION MAINTENANCE

5.6.2.6.1 Provide routine maintenance for on-site weather station(s) per the Operations and Maintenance (O&M) Manual. Obtain a copy of the O&M Manual from the COR.

5.6.2.6.2 General Weather Station Maintenance:

5.6.2.6.3 Check sensor leads and cables for cracking, deterioration, proper routing, and strain relief. Replace sensor cables if required.

5.6.2.6.4 Check the tripod or tower for structural damage, proper alignment, and for level/plumb.

5.6.2.6.5 Desiccant – Enclosure humidity is monitored in the enclosure by an RH chip incorporated into the connector board. Change the desiccant packs when the enclosure RH exceeds 35%.

5.6.2.6.6 Monitor data values collected by the Weather Reach Server. Abnormal or out of range sensor values may indicate problems with the station.

5.6.2.6.7 Weekly visual inspection of the station to observe any apparent problems.

5.6.2.6.8 An occasional cleaning of the glass on the solar panel will improve its efficiency, if applicable

5.6.2.6.9 SENSOR MAINTENANCE – MONTHLY

5.6.2.6.10 Check the Pyranometer for level and contamination. Gently clean, if needed.

5.6.2.6.11 Visually inspect the wind sensors and radiation shield.

5.6.2.6.12 Check the rain gauge for debris and level.

5.6.2.6.13 Do a visual/audio inspection of the anemometer at low wind speeds.

5.6.2.6.14 Check the filter cap of the temperature/humidity sensor for contamination.

5.6.2.6.15 SENSOR MAINTENANCE - 6 MONTHS

5.6.2.6.16 Clean the temperature/humidity sensor filter cap.

5.6.2.6.17 Clean the Gill Radiation Shield.

5.6.2.6.18 Battery test.

5.6.2.6.19 Inspect the enclosure seal.

5.6.2.6.20 1 YEAR MAINTENANCE:

5.6.2.6.21 Replace anemometer bearings, in some areas the bearings may be good for 2 years.

5.6.2.6.22 Calibrate the rain gauge.

5.6.2.6.23 Calibrate the HMP45C/HMP35C temperature / RH probe. Or check calibration of CS500 RH Probe; replace RH chip if necessary but at least every 2 years.

5.6.2.6.24 Check internal RH chip (MetData1 and ET101/106 only). Replace if >5% off or every 3 years.

5.6.2.6.25 Change the desiccant packs.

5.6.2.6.26 2 YEAR MAINTENANCE:

5.6.2.6.27 Calibrate the solar radiation sensor.

5.6.2.6.28 Calibrate the temperature sensor.

5.6.2.6.29 Replace the wind vane potentiometer and bearings.

5.6.2.6.30 4 – 5 YEAR MAINTENANCE:

5.6.2.6.31 Calibrate the datalogger; this must be done by the Manufacturer.

5.6.2.7 WEATHER SENSORS

5.6.2.7.1 Provide routine maintenance for the ET Gage, Tipping Rain Bucket, and Wind Gage per the manufacturer's printed instructions.

5.6.2.7.2 GENERAL WEATHER SENSOR MAINTENANCE:

5.6.2.7.3 Check sensor leads and cables for cracking, deterioration, proper routing, and strain relief. Replace sensor cables if required.

5.6.2.7.4 Weekly visual inspection of the gages to observe any apparent problems.

5.6.2.7.5 SENSOR MAINTENANCE – MONTHLY

5.6.2.7.6 **ET Gage:** Fill the reservoir with distilled water.

5.6.2.7.7 **Wind Gage:** Visually inspect the wind gage: perform a visual/audio inspection of the anemometer at low wind speeds.

5.6.2.7.8 **Tipping Rain Bucket:** Remove debris from the rain bucket. Check bucket for plumbness and level.

5.6.2.7.9 6 MONTH MAINTENANCE:

5.6.2.7.10 **ET Gage:** Remove and clean the canvas per manufacturer's printed instructions.

5.6.2.7.11 **Wind Gage:** Check mounting clamps; clean exterior.

5.6.2.7.12 **Tipping Rain Bucket:** Check mounting clamps; clean interior and exterior of bucket.

5.6.2.7.13 1 YEAR MAINTENANCE:

5.6.2.7.14 **ET Gage:** Clean ceramic evaporation plate per manufacturer's printed instructions.

5.6.2.7.15 **Wind Gage:** Check for plumbness and level.

5.6.2.7.16 **Tipping Rain Bucket:** Check for plumbness and level.

5.6.2.7.17 2 YEAR MAINTENANCE:

5.6.2.7.18 **ET Gage:** Clean and recondition the ceramic evaporation plate per manufacturer's printed instructions.

5.6.2.7.19 3 – 5 YEAR MAINTENANCE:

5.6.2.7.20 **Wind Gage:** Replace bearings.

5.6.2.8 BACKFLOW PREVENTION DEVICE

5.6.2.8.1 Provide yearly backflow testing and certification by a certified backflow prevention assembly tester for each backflow prevention device serving the site. Devices include both domestic water and irrigation-only backflow preventers. Affix a service record tag to each backflow serviced. Flush and clean wye-strainers screens on backflow assemblies yearly at time of testing.

5.6.2.8.2 Check backflow insulators are securely fitted around the devices. Tighten laces. Inform COR if insulators are worn and in need of replacement.

5.6.2.8.3 Check backflow enclosure for structural soundness. Tighten bolts connecting enclosure panels together, and bolts mounting the enclosure to the foundation.

5.6.2.9 MASTER VALVES

5.6.2.9.1 Exercise master valves and submaster valves/hydrometers quarterly to check for proper functioning. Provide a report to the COR in tabular form showing date of inspection and results for each master valve in the system as "pass" or "fail". A passing grade is a valve that is capable of being actuated from the irrigation controllers and closes and opens flow completely. Advise COR of any recommended repairs and provide quotes for parts and labor.

5.6.2.9.2 Test master valves for automatic closure upon exceeding flow threshold established in programming of central control system. Set a low flow test threshold in the programming and run an irrigation zone that exceeds that threshold. Note on the report to the COR the results for each master valve in the system as “pass” or “fail”. A passing grade is a valve that closes automatically when the high flow threshold is exceeded.

5.6.2.9.3 Advise COR of any recommended repairs and provide quotes for parts and labor.

5.6.2.10 FLOW METERS

5.6.2.10.1 Check flow meters for communication of real time flow at satellite irrigation controllers and central irrigation computers. Provide a report to the COR in tabular form showing date of inspection and results for each flow meter to measure flow in the system as “pass” or “fail”. Advise COR of any recommended repairs and provide quotes for parts and labor

5.6.2.10.2 Recalibrate flow meters/hydrometers annually. Provide a service report to the COR.

5.6.2.11 BASKET STRAINERS

5.6.2.11.1 Quarterly, flush filter screen quarterly to remove heavy contaminants. Connect hose to outlet and direct flow onto non-landscaped area.

5.6.2.11.2 Yearly, remove and clean screen filters. Replace screen filters when worn. Advise COR of any recommended repairs and provide quotes for parts.

5.6.2.12 AUTOMATIC CONTROL VALVES

5.6.2.12.1 Exercise Automatic Control Valves (ACV) as part of submain pressure regulating assemblies quarterly to check for proper functioning. Provide a report to the COR in tabular form showing date of inspection and results for ACV in the system as “pass” or “fail”. A passing score is a valve that can open and close in response to flow demand, and/or opens and closes completely when actuated from an irrigation controller.

5.6.2.13 PRESSURE REGULATING VALVES

5.6.2.13.1 Exercise pressure-regulating valves (PRV) quarterly to check for proper functioning. PRV’s include valves which are part of irrigation mainline pressure regulating assemblies. Report upstream and downstream static and dynamic pressure readings. Provide a report to the COR in tabular form showing date of inspection and results of pressure readings for each PRV assembly.

5.6.2.13.2 Check remote control valves for presence/absence of pressure-regulating modules. Re-install manufacturer’s optional pressure-regulating modules on remote control valves where they are missing or have been removed. Exercise pressure-regulating modules which are components of remote-control valves. Turn pressure adjustment screw until pressure reduction is visible either from pressure gauge or noticeable drop in radius of sprinkler heads. Provide a report to the COR in tabular form showing date of inspection and results for each PRV in the system as “pass” or “fail”. Advise COR numbers of valves needing pressure-regulating modules, any recommended repairs and provide quotes for parts.

5.6.2.14 COMBINATION VALVES/AIR-VAC VALVES

5.6.2.14.1 Observe combination valves (Air and Vacuum Release Valves) quarterly to check for proper functioning and leaks. Follow the manufacturer's printed instructions for testing. Testing may require temporary installation of a shut-off valve on the drain outlet. A properly operating combination valve will allow air trapped in pipes to escape, eject a small amount of water and then form a water-tight seal. Provide a report to the COR in tabular form showing date of inspection and results for each combination in the system as "pass" or "fail". Advise COR of any recommended repairs and provide quotes for parts and labor.

5.6.2.15 ISOLATION VALVES

5.6.2.15.1 Exercise isolation valves (Gate and Ball Valves) quarterly on irrigation mains, domestic water mains, and fire mains to check for proper functioning, and to remove built-up debris.

5.6.2.15.2 Exercise in accordance with valve manufacturer's printed instructions and American Water Works Association (AWWA) standards. Obtain a copy of the O&M manuals form the COR.

5.6.2.15.3 Contact the local fire marshal for direction prior to exercising fire main valves.

5.6.2.15.4 Close valve completely and check for complete isolation of the mainline by attempting to obtain water from a downstream outlet such as a quick coupling valve or sprinkler.

5.6.2.15.5 Provide a report to the COR in tabular form showing date of inspection and results for each isolation valve in the system as "pass" or "fail". Advise COR of any recommended repairs and provide quotes for parts and labor.

5.6.2.15.6 After testing and positive identification of the water source controlled by the valve, prepare surfaces and paint the cast-iron valve covers with respectively-colored low-gloss enamel spray paint: Non-potable Purple for irrigation valves; Potable Blue for Domestic valves; and Yellow for Fire valves. (***Note**: Currently, not all valve covers may be painted the correct color.)*

5.6.2.16 LEAK DETECTION AND REPAIR

5.6.2.16.1 Leak Detection and Repair is a strategy for water use reduction.

5.6.2.16.2 Actuate individual irrigation zones weekly by manual starts. Observe for broken/malfunction sprinkler heads, leaks in piping visible at the surface. Isolate leaks and make repairs within 24-hours of identification. Adjust radius, arc and trajectory of sprinkler heads to prevent overspray.

5.6.2.16.3 At least quarterly monitor flow meters to detect water flow when the system is not in use. This method will be used to detect leaks that may not be visible on the surface level. Isolate mainlines and submains until leak(s) is detected. Isolate and repair mainline/submain leak(s) in landscape within 48-hours of detection. For leaks under paving, isolate the leaks and immediately notify the COR of the leak location(s), so the Government can hire a leak detection company to pinpoint the leak location(s). Make provisions to irrigate landscapes until repairs are completed.

5.6.2.16.4 Create a wall map of the actual irrigation mainline routing and actual locations of isolation/shut-off valves so irrigation mainline can be isolated for leak detection, and shut down during mainline breaks, and segments isolated for repairs. Obtain the CAD

electronic file from the District Irrigation Specialist or Agronomist for this purpose. Verify actual field locations of mainline and isolation valves; and adjust line work on drawings accordingly. Provide dimensions on drawing showing location of isolation valves from two fixed points (e.g., face of curb, wall, etc.). Plot a color-coded drawing with different colors for mainline and isolation valves onto one or more 30 by 42-inch sheets as required for legibility. Laminate and post drawing(s) in a convenient location for staff's use.

5.6.2.16.5 After repair of pressure and non-pressure irrigation line breaks and equipment repairs, flush lateral lines to the satisfaction of the COR. Direct water flow onto landscape areas or into approved storm drainage structures. Remove all heads on ends of lateral lines for lateral line flushing. Open all flush valves on ends of drip tubing for drip line flushing.

5.6.2.16.6 To ensure compatibility with existing equipment, all parts and supplies used for repair and maintenance shall be the same size, type, model and brand of the part to be replaced and COR-approved prior to installation. Provide the invoice from irrigation distributor as evidence of cost for the part.

5.6.2.17 IRRIGATION CONTROL SYSTEM

5.6.2.17.1 Provide updates to existing control system software downloadable from manufacturer's website as soon as new updates are made available. Install updates on central irrigation computer. Make a backup of historical data prior to new software installation. Upload historical data into updated program.

5.6.2.17.2 Engage a manufacturer's authorized service provider to inspect Central Irrigation Computer and irrigation controller, and Pump Station Monitor annually. Check hard wire communication links between central irrigation computer, pump station controls, and weather station for proper functionality.

5.6.2.17.3 Check remote control system for remote operation of remote control valves. Check antenna and tighten mounting hardware. Inspect central irrigation computer and satellite irrigation controllers annually. Check hard wire communication links between central irrigation computer and satellite irrigation controllers for proper functioning; inspect wire connections, electrical connectivity and grounding.

5.6.2.17.4 Verify that the irrigation controllers can actuate all remote control valves and master valves automatically.

5.6.2.17.5 Set up thresholds on central controller to automatically shut-down master valves when peak flow is exceeded by 105 percent of peak flow indicating a mainline break. (Do not set programming to shut down master valve for a broken sprinkler head.)

5.6.2.17.6 Advise COR of any recommended repairs and provide quotes for parts.

5.6.2.17.7 Remove and replace Government-provided controller panels and associated components (e.g., antennae, cooling fans), when equipment is determined to need repair or is no longer functional.

5.6.2.17.8 Clean interior of controller cabinets annually. Inspect weather stripping inside controller cabinet doors. Replace worn and broken weather stripping to provide a water-tight seal.

5.6.2.17.9 Polish stainless-steel cabinets for irrigation controllers annually using stainless steel polish per manufacturer's printed instructions. Inspect and tighten mounting hardware.

5.6.2.18 TURF ROTOR SPRINKLER HEADS

5.6.2.18.1 Annually, test pressure at turf rotor sprinkler heads with a pitot tube. Test a minimum of 3 heads for each irrigation zone. Adjust pressure at the remote-control valve pressure regulating module for system design pressure at sprinkler head furthest from the remote control valve.

5.6.2.18.2 Verify that the correct nozzle is present in all heads on the same zone. Replace non-conforming nozzles. All nozzles should be the same number/gpm based on the results of the irrigation audit.

5.6.2.19 SPRAY/MULTI-STREAM ROTARY HEADS AND BUBBLERS

5.6.2.19.1 Provide regular quarterly maintenance to inspect sprinkler heads for proper functioning. Inspect that pop-up risers fully extend and retract, and that wiper seals are not deteriorated. Remove nozzles, unclog orifices, inspect for cracks and clean filter screens. Inspect caps for leaks. Make needed repairs/replacements.

5.6.2.20 DRIP IRRIGATION EMITTERS

5.6.2.20.1 Annually, test pressure at drip irrigation emitters with a pitot tube. Test a minimum of 3 emitters for each irrigation zone. Adjust pressure at the remote-control valve pressure regulating module for system design pressure.

5.6.2.21 SEASONAL SHUT-DOWN/START-UP

5.6.2.21.1 FALL SHUT-DOWN: Typically, in October/November prior to the onset of freezing temperatures, “winterize” the irrigation system. Drain water or blow out with compressed air water in above-and below-ground equipment: pumps systems, filters, valves, lateral and mainline pipes. Disassemble and properly store equipment that must be removed from service during freezing weather.

5.6.2.21.2 For irrigation systems supplied with high-turbidity agricultural water, supply fresh water in sufficient quantities to flush dirty water completely from all system component prior to winterizing. Repair/replace non-functional irrigation equipment at spring start-up at no additional cost to the Government for failing to adequately flush the system.

5.6.2.21.3 SPRING START-UP: In the springtime, typically in March, re-assemble dismantled parts and equipment and re-charge the irrigation system. Repair/replace any damage caused by improper winterization at no additional cost to the Government.

5.6.3 IRRIGATION SYSTEM MINOR REPAIR

5.6.3.1 GENERAL REQUIREMENTS

5.6.3.1.1 Perform Irrigation system minor repair by or under the direct supervision of a Certified Irrigation Contractor (CIC) by the Irrigation Association or the Landscape Contractors Association. Submit evidence of certification to COR.

5.6.3.1.2 Make repairs and maintenance using new materials to match the existing system components unless approved otherwise by the COR.

5.6.3.2 SCOPE

5.6.3.2.1 Irrigation System Minor Repair includes all work on pressure pipe and non-pressure pipe downstream of the master valves.

5.6.3.2.2 Repair or replace defective, damaged, broken, malfunctioning and inoperative valves of all types, remote control valves, exposed control wires/cables, decoders, broken submain pressure pipe and fittings, and accessories to properly supply water to the sprinkler system. Replace damaged vaults, valve boxes, vault/valve box lids. Where repair or replacement of the valve requires removal of a vault and/or valve box, reconstruct the valve box assembly with proper support including compacted aggregate base, support blocks, rodent intrusion prevention, and drainage rock. All replacement parts and materials are to be provided by the Contractor.

5.6.3.2.3 Repair of submain pipe 3 inches and larger must be provided using ductile iron fittings, ductile iron or stainless-steel repair couplings, and mechanical joints and/or self-restrained joints. Repair of submain 6 inches and larger must also include concrete thrust blocks in addition to restrained joints.

5.6.3.2.4 Repair of HDPE pipe must be made with heat fusion-weld equipment and parts approved by the pipe manufacturer.

5.6.3.2.5 Flush mainlines and lateral lines after repair of line breaks to the satisfaction of the COR. Direct water flow onto landscape areas or into approved storm drainage structures. Remove all heads at ends of lateral lines for lateral line flushing. Open all flush valves on ends of drip tubing for drip line flushing. Flush mainlines through quick coupling valves and blow-off valves where exist. Inspect air-relief valves (aka, “Air-Vac”, Combination valves) for proper functioning during recharge of the mainline. Witness air and then water being expelled through the devices, and automatic water-tight closure of the valves. Report malfunctioning air-relief valves to the COR.

5.6.3.2.6 In the event of the failure of any portion of the irrigation system, provide a temporary means of irrigating the affected area until the system is restored to normal.

5.6.3.3 IRRIGATION CONTROL SYSTEM

5.6.3.3.1 Trouble-shoot and make repairs to the irrigation control system when faulty remote-control valves have been identified.

5.6.3.3.2 Verify active power supply to irrigation controller. Test controllers for electrical reliance.

5.6.3.3.3 Verify control wires are properly wired at the controller and at the valve solenoid. Test and replace faulty solenoids. Use waterproof wire connectors.

5.6.3.3.4 Trace and/or tone wires to locate ground faults in the presence of the COR.

5.6.3.3.5 Locate and flag ground fault locations so repairs to direct-bury conductors can be made to re-establish connectivity.

5.6.3.3.6 Where conduits exist pull new conductors through conduits and make connections to re-establish connectivity.

5.6.3.4 MAJOR IRRIGATION SYSTEM REPAIRS (NOT IN CONTRACT)

5.6.3.4.1 Repairs on pressure pipe and valves upstream of and including the master valves shall be considered “Construction” and will be repaired outside of this contract. This typically includes: water meters, service lines, backflow preventers, pressure-regulating valves, master valves, flow meters, hydrometers, isolation valves, vaults and valve box

assemblies in roadways, mainline pipe and fittings, pipe restraints, irrigation controllers, electrical power lines, valve control wires, cables and conduits under paving.

5.6.3.4.2

5.7 DRAINAGE SYSTEM MAINTENANCE

CLIN 10 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

5.7.1 STORMWATER POND AND WETLAND MAINTENANCE

5.7.1.1 SCOPE

5.7.1.1.1 Maintain Stormwater detention and retention ponds/basins in accordance with requirements of agencies having jurisdiction over these facilities. Overflow/detention ponds associated with Irrigation Ponds/Lakes are also included under this Chapter. Manage stormwater ponds to maintain the stormwater detention/treatment function for which they were designed while allowing natural wetland vegetation to become established.

5.7.1.1.2 Open and close by-pass valves and operate lift pumps to lower water levels from detention and retention ponds/basins as approved by the COR and/or agencies having jurisdiction over these facilities. Assure that there is sufficient free-board in stormwater facilities to allow on-site stormwater to drain to these structures prior to forecasted storm events.

5.7.1.1.3 Maintain Wetland Mitigation Areas free of non-native plant species and foreign objects which will compete with the objective to create self-sustaining wetland and buffer communities that provide similar functions to natural wetland systems. Preserve existing functions and protect from direct and indirect damage.

5.7.1.2 VEGETATION/DEBRIS CONTROL

5.7.1.2.1 Mow grasses growing within the basins 1 to 2 times per year as water levels allow (i.e., when little to no standing water is present).

5.7.1.2.2 Spot-treatment of non-native/invasive weeds two times per year with an herbicide approved for use around wetlands (Glyphosate product such as 'Aquamaster', 'Rodeo', or approved equal), or other herbicides as appropriate to species present.

5.7.1.2.3 Remove weed trees and shrubs and their root systems growing inside basins. Fill excavations with clean sand, or other COR-authorized fill material.

5.7.1.2.4 Monitoring of herbicide treatment success and re-treatment as necessary.

5.7.1.2.5 Trimming and/or pruning of wetland plant material annually if needed using line-trimmers, saws and pruners.

5.7.1.2.6 Treat for control of algae.

5.7.1.2.7 Remove trash and debris.

5.7.1.3 DRAINAGE STRUCTURE MAINTENANCE

5.7.1.3.1 Maintain pits, sumps, retention and detention ponds/basins to prevent a breeding habitat for mosquitoes or other vectors.

5.7.1.3.2 Clean-out and maintain culverts, spillways, inflows, outflows and piping.

5.7.1.3.3 Clean-and maintain rock-lined swales/ concrete channels and outfalls free of sediment, weeds, trash and debris.

5.7.2 SCOPE

5.7.2.1 Maintain the surface/street drainage system by inspecting monthly and after every rainstorm and clearing and cleaning the grates and catch basins as required for proper drainage.

5.7.2.2 Remove standing water from gravesites and memorial areas.

5.7.2.3 Maintain rock dissipaters at outfalls by removal of sediment.

5.7.2.4 Maintain stormwater pond lift pump stations and drain lines.

5.7.2.5 Maintain crypt underdrain lift pump stations and drain lines.

5.7.2.6 Place and maintain erosion control measure (e.g., straw wattles, sandbags) in strategic locations to keep soil and bark mulch from washing onto roadways and into catch basins during rain events.

5.7.3 GENERAL REQUIREMENTS

5.7.3.1 Clear culverts and drain lines of debris annually.

5.7.3.2 Remove covers/grates for drainage structures and clean catch basins and trench drains of debris annually. Clean sediment traps if present. Replace traps, grates, and re-secure covers.

5.7.3.3 Clean concrete gutter/terrace drains of dirt and debris monthly.

5.7.3.4 Clear drain lines in gravel beds at flower strips in columbaria courts annually.

5.7.3.5 Clean sediments at rock outfalls as needed to increase capacity for sediment capture. Excavate rock, remove sediment, and replace rock.

5.7.4 STORM DRAIN LIFT PUMPS MAINTENANCE

5.7.4.1 Perform routine maintenance on the pond lift submersible pumps at each stormwater basins. Inspect and provide routine maintenance on pump station controls, valves, fill lines, overflow drains, sumps, channels and spillways.

5.7.4.2 Provide two yearly service calls. Schedule one service call in the late fall prior to winter storms.

5.7.4.3 Test for proper operation and provide written service report to COR after each visit and alert COR of any recommended repairs. Repairs will be procured outside of this contract.

5.8 TRASH & DEBRIS REMOVAL

CLIN 11 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

5.8.1 SCOPE

5.8.1.1 Maintain all the cemetery grounds and turf free of trash and debris.

5.8.1.2 Work consists of collecting and removing all trash, debris, fallen leaves, needles, seed pods and branches, dead and unsightly flowers from the cemetery grounds, driveways, parking areas, and areas within the public right-of-way between the cemetery proper and edge of pavement at least weekly, and usually in conjunction with the mowing cycle.

5.8.1.3 Work includes emptying cemetery trash receptacles each workday, and regular floral pickup at gravesites and columbaria each workday. Floral arrangement must be treated in accordance with National Cemetery Administration Floral Regulations. Random inspections will be conducted by the COR.

5.8.1.4 Debris piles, equipment, tools and supplies must be removed at the conclusion of each task or at the end of each workday.

5.8.1.5 All roads, driveways, walkways, shelters and burial sections must be free of grounds maintenance debris by the end of the workday.

5.8.1.6 All trash collection points are screened from the public view.

5.8.1.7 Provide a commercial waste collection and removal contract with licensed waste management company for weekly emptying of contractor-provided dumpsters.

5.8.1.8 Remove non-conforming gravesite decorations/commemorative items. Any items collected from gravesites that may be deemed of monetary or clear sentimental value will be placed in bags, tagged with date and location found (e.g., headstone number) and stored in a cemetery-approved holding location for 30 days. Visitors inquiring about items of value left on graves will be directed to this holding site.

5.8.2 GENERAL REQUIREMENTS

5.8.2.1 Cemetery area includes all of land within the property lines, areas outside the walls and fences, including the areas within the public rights-of way to the edge of public roads, and any debris collecting within the gutters of public roads.

5.8.2.2 **Definition:** Trash & Debris are defined as any item, material or foreign object not permanently attached to or planted within cemetery grounds and boundaries. Items include, but are not limited to leaves, needles, flowers, seed-pods, twigs, branches of all sizes, feces, paper products, cigarette butts, gum, glass and metal products, plastic and any other synthetic items, gravel, asphalt, concrete, loose rock and stones over two inches (2”) in diameter, and soils that are a result of interment operations.

5.8.2.3 **Trash & Debris Removal:** In addition to trash and debris removal each workday, trash & debris must be removed from all areas in conjunction with each mowing cycle. Trash & debris removal must also include clearing of all roads/walks with a power leaf blower as necessary to clean the street / walkways of clippings, small debris and leaves.

5.8.2.4 Also included is trash & debris found within the trash receptacles located throughout Cemetery grounds which will be collected each workday throughout the year.

5.8.2.5 **Green Waste Removal:** The Contractor must be responsible for the proper collection, removal and disposal of all debris resulting from tree and shrub pruning operations. All tree limbs, branches, wood chips, bush/shrub/hedge clippings and other vegetative debris must be removed from cemetery grounds the same day the work is performed and be disposed of in a legal manner.

5.8.3 PROCEDURES

5.8.3.1 Each workday inspect all areas of the cemetery and ensure that there is no accumulation of debris in any area.

5.8.3.2 Provide the necessary labor and suitable conveyance each workday for pickup of debris from cemetery grounds.

5.8.3.3 Each workday, fallen tree limbs of all sizes must be removed. Leaves/needles and twigs must be hand raked, vacuumed or blown by walk-behind push type machines from interment areas into the roadways, and then collected and properly deposited into waste receptacles. Do not move debris into planting beds, woodland/wetland areas, and rock mulch beds. Remove trash & debris from planting beds and mulch beds (e.g., bark mulch, decomposed granite, paths fines, gravel).

5.8.3.4 In addition to daily trash and debris removal, all trash, debris, contents of trash cans, dead or unsightly flowers and fallen tree limbs must be removed from cemetery areas in conjunction with each mowing cycle.

5.8.3.5 Walkways, driveways, roads, and parking areas must be swept following mowing activities.

5.8.3.6 **FLORAL PICK-UP:** Collect and dispose of all grave decorations according to the cemetery floral policy. Fresh cut flowers may be placed on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments at any time. Cemetery furnished temporary flower containers are available and located throughout the cemetery in specially marked containers. All floral items will be removed as soon as they become faded and/or unsightly and may also be removed every week to accommodate grounds maintenance, to include removal of artificial flowers. Floral pickup is every Friday of each month along with daily pick up of faded or unsightly arrangements. Artificial flowers may be placed on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments November through February. Plantings will not be permitted on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments at any time. Potted plants will be permitted on graves and in the gravel areas surrounding Columbarium, Memorial Walls or Memorial Monuments five days before and five days after Easter Sunday and Memorial Day. During the winter season a Holiday wreath or plant is allowed from December 1 to January 15. Floral blankets are not authorized due to year-round growing season. To maintain the dignity of the cemetery, items such as candles, statues, glass of any kind, vigil lights, shepherd's hooks, wind chimes, pinwheels, balloons, memorabilia, or any item exceeding 24" inches in height are not permitted on graves and in the gravel areas surrounding the Columbarium, Memorial Walls or Memorial Monuments, at any time. Items of any type will not be secured to Headstones, Niches, Memorial Markers or Memorial Monuments.

5.8.3.7 Remove, clean and replace flower cones into designated receptacles. Floral cones must be neatly stacked upside down to prevent water from accumulating in them. Schedule general floral pickup from gravesites as follows: First and Third Wednesday of each month.

5.8.3.8 Remove unsightly cut flowers weekly in conjunction with each mowing cycle.

5.8.3.9 Remove unsightly cut flowers on a twice-monthly basis during the non-mowing season.

5.8.3.10 All keepsake/mementos must be kept in designated area for 30 days as approved by the COR.

5.8.3.11 Annual Ceremonies Clean-up: Clean-up trash and gravesite decorations after special memorial ceremonies. Remove wreaths and American flags placed on gravesites as approved by the COR. Remove flags placed on gravesites outside of holidays when needed for Grounds Maintenance or when the flags become unserviceable.

5.8.3.12 Collect and dispose of all grave decorations and clean and re-stock all flower cones. Schedule general floral pickup from gravesites in accordance with the Cemetery's posted Floral Policy. Post the pickup date on the sign located on the entry drive.

5.8.3.13 **STORM CLEAN-UP (WIND, RAIN, HAIL, SNOW, ICE):** Check and clean up the cemetery on the next working day following a storm event unless the extent of the storm prompts civil defense authorities to declare emergency movement only. Should this occur, clean-up must be done as soon as emergency restrictions are lifted.

5.8.3.14 In conjunction with each mowing cycle, all trash, debris, contents of trash cans, grave decorations, dead or unsightly flowers and fallen tree limbs must be removed from cemetery areas.

5.8.3.15 Removal, segregation, containment, and disposal of waste from the cemetery grounds must be the responsibility of the Contractor. This includes spoils removal left over from interment operations.

5.8.3.16 Provide dumpster delivery and pickup services for waste segregation and removal. Dumpster sizes must be suitable for the available storage space and frequency of pick-up.

5.8.3.17 Separate all recyclable and non-recyclable waste as follows:

5.8.3.18 Non-recyclable waste must be deposited in a corresponding commercial trash receptacle/dumpster.

5.8.3.19 Recyclable waste must be deposited in a corresponding commercial trash receptacle/dumpster.

5.8.3.20 Green waste (i.e., dead flowers, grass clippings, plant trimmings, etc.) will be deposited in a corresponding commercial trash receptacle/dumpster.

5.9 PAVEMENT SWEEPING & CLEANING

CLIN 12 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

5.9.1 SCOPE

5.9.1.1 Clean roads, curbs, gutters, sidewalks, stairs, paths, and parking lots.

5.9.1.2 Parking lots are accessible and well maintained.

5.9.2 REQUIREMENTS

5.9.2.1 Sweep roads, curbs, gutters, sidewalks, stairs, paths, parking lots, and other paved surfaces as needed, but not less than weekly. Collect and dispose of debris.

5.9.2.2 Each workday morning clean the Visitor and Disabled parking spaces, and entries and walkways to the Administration Building.

5.9.2.3 On a weekly basis, collect and dispose of debris from roads, curbs, gutters, sidewalks, stairs, paths, parking lots, and other paved surfaces.

5.9.2.4 Two (2) times per year, pressure wash pavement including asphalt paving, cemetery walkways, columbaria courts, committal shelter paving, courtyards, plazas, overlooks, cortege lanes, cross-walks, driveways, curb lines and gutters, wheel stops, etc. to remove dirt and stains, including tire marks.

5.9.2.5 Two (2) times per year (once per semester upon the approval of the COR), power-sweep the entire road system and parking lots after pressure washing.

5.9.2.6 During the rainy season use power sweepers and power brooms to remove difficult-to-remove debris, and debris stuck to paving on a weekly basis. During other times of the year, reduce use of power sweepers and power brooms to once a month.

5.9.2.7 Two (2) times per year (once per semester at the approval of the COR), pressure wash pavement including cemetery walkways, columbaria courts, courtyards, plazas, overlooks, roadways, parking lots, driveways and curb lines to remove dirt and stains, including tire marks. Following pressure washing use a high-powered sweeper to sweep all cemetery roadways of any remaining dirt or debris.

5.9.2.8 Permeable Asphalt Paving: Two (2) times per year (once per semester at the direction of the COR), remove particulate matter which has settled into the pores of the permeable asphalt paving by vacuuming with a commercial cleaning unit such as a vacuum sweeper or walk-behind vacuum unit. Vacuum the paving immediately after cleaning the permeable asphalt pavement with low pressure water.

5.10 ARTIFICIAL TURF MAINTENANCE

CLIN 13 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

5.10.1 SCOPE

5.10.1.1 Provide routine maintenance to artificial turf.

5.10.1.2 Provide artificial turf rejuvenation as needed.

5.10.2 GENERAL REQUIREMENTS

5.10.2.1 Provide regular and as needed maintenance for the artificial turf on the cemetery in accordance with the manufacturer's printed instructions. Provide semi-annual reports. Obtain a copy of the Operations and Maintenance (O&M) Manuals from the COR.

5.10.3 INSPECT, CLEAN AND GROOM TURF FIBERS

5.10.3.1 Check artificial turf seams and edges and report failures to COR.

5.10.3.2 Measure infill material depth on a 10 by 10 foot grid and report measurements to COR.

5.10.3.3 Clean the artificial turf fibers two times a year, one week prior to Memorial Day and Veterans Day. Use a solution of hot water and a manufacturer's approved mild household detergent as the cleaning agent. Use a medium-stiff bristle broom to provide the cleaning action. Do not use power equipment or drag equipment. Rinse with clean water. Allow to dry.

5.10.3.4 Brush artificial turf fibers with a carpet rake to unmatt and groom the fibers. Carpet rake must be constructed of closely-spaced and layered nylon tines attached to a solid steel head attached to a strong hickory handle. Drag the carpet rake over the carpet to pull up its pile or nap. This process helps to loosen soils and keeps the yarn of the carpet lifted. Available product: 'Grandi Groom; or equal.

5.10.4 REMOVE WEEDS, LITTER AND STAINS

5.10.4.1 Remove weeds by manually or as indicated for "Turf Maintenance – Weed Control".

5.10.4.2 Remove airborne pollutants such as leaves and other debris from the synthetic turf surface weekly using a wide soft broom, a mechanical leaf sweeper or special vacuum cleaner that does not remove the infill material.

5.10.4.3 Remove fixed pollutants (i.e., chewing gum, grease, oil, paint) with organic oils as indicated in the artificial turf manufacturer's written maintenance instructions. Do not use solvents that may damage the synthetic fibers.

5.10.4.4 REPLENISH INFILL MATERIAL

5.10.4.5 Replenish sand infill once yearly before Memorial Day. Use sand infill designed specifically for synthetic turf systems as indicated in the manufacturers printed instructions. (Do not use rubber infill products.) Provide full infill depth for specific synthetic turf product. Use specialized power grooming equipment for brushing fibers and placing infill material. Remove excess material from the site.

5.10.5 ARTIFICIAL TURF REJUVENATION

5.10.5.1 Use specialized equipment to remove all the infill material in the artificial turf. Use of equipment that separates the infill from the contaminants is permitted. Brush the turf fibers to untangle matted and compacted fibers; reinstall cleaned infill; supplement with new sand infill to replenish infill to maximum depth as indicated for the specific turf product. Use specialized power grooming equipment for brushing fibers and placing infill material. Remove excess material from the site.

5.11 STRUCTURE CLEANING & LIGHT MAINTENANCE

CLIN 14 – Qty 12 Months

Subject to SCA and Commercial Provisions/Clauses

5.11.1 SCOPE

5.11.1.1 Provide regular and routine maintenance to all elements of the columbaria, the surrounding courts, memorial wall, and ossuary.

5.11.1.2 Clean and provide minor upkeep to buildings, rostrum, entry features, signage, lighting, perimeter walls, planter walls, seat wall, fences and gates, and site furnishings. Provide and maintain fire extinguishers.

5.11.1.3 See Appendices for locations and estimated quantities of structures to be maintained.

5.11.2 DEFINITIONS

5.11.2.1 **Clean**: Free of all foreign matter.

5.11.2.2 **Foreign Matter:** Dirt, marks, stains which can be removed with reasonable cleaning effort and appropriate cleaning agents and equipment. Feces of all types.

5.11.2.3 **Reasonable Cleaning Effort**: Commercially reasonable amount of time and expenditure of physical effort needed to clean an element utilizing commercially available equipment and products designed specifically for that task.

5.11.2.4 **Cleaning Agents:** Products and substances (usually liquids, pastes, powders, sprays, or granules) used to remove dirt and detritus, including dust, stains, oxidation on surfaces.

5.11.2.5 **Cleaning Equipment:** Devices, tools, and machines designed for specific cleaning tasks, including pads and cloths.

5.11.2.6 **Polished:** Smooth and shiny as a result of being rubbed. Free of oxidation.

5.11.3 COLUMBARIA COMPLEXES

5.11.3.1 Clean Columbaria and Memorial Wall structures by pressure washing twice a year to remove efflorescence, stains, and debris. Use low pressure setting on concrete and stone work. Schedule cleaning one week before both Memorial Day and Veterans Day. Use lowest possible pressure setting while cleaning concrete to prevent reoccurrence of efflorescence. Do not pressure wash niche covers and memorial markers.

5.11.3.2 Clean concrete, brick and stone veneer end caps, bases, and tops of structures by power washing to remove stains and residue. Protect niche covers, memorial markers, and gravel flower strips from power washing operations.

5.11.3.3 Clear gutters of debris. Clear gutter outfalls and clean rain chains. Remove insect nests.

5.11.3.4 Clean surrounding structures, (e.g., seat walls, and site walls along the walkways leading to and from the main structures.)

5.11.3.5 Remove plant litter, trash and other debris from the courts each workday. Collect and remove debris from the site. Do not use leaf blowers to move the debris into natural areas (wetlands/woodlands). Remove mementoes placed in planting beds, (e.g., painted rocks).

5.11.3.6 Remove objects placed on or attached to niche covers, memorial markers and columbaria walls each workday, (i.e. flowers, stickers, balloons, rocks and other items set, taped or tied on).

5.11.3.7 Remove graffiti each workday, including lipstick.

5.11.3.8 Remove efflorescence on concrete surfaces and stonework when evident by brushing with a stiff plastic bristle brush and mild detergent and water.

5.11.3.9 Remove mold/mildew from surfaces of concrete when evident by using an approved biological cleaning agent such as 'D2 Biological Cleaner', following the manufacturer's printed instructions.

5.11.3.10 Remove potted plants per floral regulations. (***See*** *Floral Regulations*)

5.11.3.11 Remove non-conforming gravesite decorations and Christmas trees and deliver to a specified location or dispose thereof as approved by the COR. Tag items with the gravesite number for later identification by the family.

5.11.3.12 Remove, clean, and replace flower cones into designated receptacles each workday. Floral cones shall be neatly stacked upside down to prevent rainwater from accumulating in them.

5.11.3.13 Provide additional flower cones for high usage times of the year (e.g., the Friday prior to Easter Sunday, Memorial Day, Mother's Day, Christmas, etc.) and other times as approved by the COR.

5.11.3.14 Remove fresh cut flowers when they become unsightly and all debris in gravel flower strip.

5.11.3.15 Rake gravel flower strips of columbaria and memorial walls each workday to remove debris and to evenly distribute material. Remove non-conforming gravel/pebbles from flower strips.

5.11.3.16 Replenish gravel at flower strip of columbaria/memorial walls annually in July with matching gravel. Submit gravel sample to COR for approval prior to placement. Fill gravel up to 1/2-inch below top of surrounding concrete walkway.

5.11.4 OSSUARY COURT

5.11.4.1 Twice a year clean and polish stainless steel Ossuary lid with appropriate metals cleaners to remove oxidation and stains following manufacturer's printed instructions. Protect and clean up surrounding areas.

5.11.4.2 Clean ossuary structure and surrounding structures, (e.g., cap and base, planter/seat walls, and site walls surrounding the ossuary court), by power washing to remove stains and residue. Use biological cleaner to eliminate stains that cannot be removed by pressure-washing, (e.g., Spray & Forget).

5.11.4.3 Remove plant litter, trash and other debris from the court each workday. Collect and remove debris from the site. Do not use leaf blowers to move the debris into other landscaped areas.

5.11.5 MAIN ENTRY SIGN, WALLS AND GATES

5.11.5.1 Four times a year (one week prior to Memorial Day and Veterans Day and other times as needed with approval of the COR), low pressure wash the entry sign and entry monument. Clean lettering, seals, plaques, and lighting fixtures with non-abrasive clothes and warm water only. Clean painted entry gates railings, and fences. Do not pressure wash painted metals. Repair damage at no additional cost to the Government to the satisfaction of the COR.

5.11.6 WALLS, FENCES, RAILINGS AND GUARDRAILS

5.11.6.1 Three times per year (May, August & November one week prior to Memorial Day and Veterans Day with the approval of the COR), low-pressure wash walls, fencing, railings and guardrails to remove efflorescence, stains and debris. Apply non-toxic efflorescence remover to stone and concrete walls and concrete caps following manufacturer's printed instructions when pressure washing alone does not remove deposits.

5.11.7 MAINTAIN GATE HINGES AND AUTOMATION

5.11.7.1 Twice annually (once per semester) maintain gate automation, including lubrication of rollers and chains. Tighten tension bars on gate track frame as needed for proper alignment. Alert COR of any recommended repairs above and beyond routine maintenance. Repairs will be procured outside of this contract.

5.11.8 ASSEMBLY AREA/ROSTRUM STRUCTURE

5.11.8.1 Three times a year (one week prior to Memorial Day and Veterans Day and a third time as needed with the approval of the COR), pressure wash Assembly Area/Rostrum Structure and all its architectural elements to remove efflorescence, stains and debris. Apply non-toxic efflorescence remover to concrete following manufacturer's printed instructions when pressure washing alone does not remove deposits. Clean metal railings to remove dirt and debris.

5.11.9 SITE SIGNAGE

5.11.9.1 Clean Site Signage and their supports/frames as needed (usually weekly after mowing & trimming near signage), including VA Rules & Regulations sign, Floral Regulation sign, section markers, entry monument sign(s), electronic reader board, and site directional signage.

5.11.9.2 Minimum of one time per year, clean section markers and directional signage by power-washing and with use of appropriate cleaners in conjunction with headstone cleaning. Note: Clean marble and granite section markers using the same procedures described for cleaning marble and granite headstones.

5.11.10 MEMORIAL PLAQUES, INSIGNIA AND SERVICE SEALS

Three times a year (one week prior to Memorial Day and Veterans Day and as needed with the approval of the COR), clean VA seal and medallions of the military service insignia inside the Committal Shelters and at the Rostrum with non-abrasive cloths and warm water. Three times a year (one week prior to Memorial Day and Veterans Day and as needed with the approval of the COR), clean Blue Star Memorial sign and Memorial Plaques with non-abrasive cloth and warm water.

5.11.11 Weekly clean Memorial Walk monuments with warm water and soft brush and annually professional cleaning on all monuments in accordance with NCA Monument/Memorial Maintenance Cleaning guidelines.

5.11.12 CLEAN AND MAINTAIN FLAG POLES

5.11.12.1 Once per year (prior to Memorial Day) at the approval of the COR, pressure wash flag poles. Polish aluminum base trim and anodized aluminum gold finial at top of flag poles with appropriate metal polish to remove oxidation and stains following manufacturer's printed instructions.

5.11.12.2 Maintain halyard components in accordance with manufacturer's printed instructions.

5.11.13 MAINTAIN EXTERIOR AND INTERIOR LIGHTING

5.11.13.1 Maintain all interior and exterior lighting including the Flagpole and entry sign lighting. At no time will the flag be allowed to fly unlit except in the event of unplanned power failures. Furnish replacement lamps, (i.e., light bulbs) to match existing.

5.11.14 CLEAN BUILDINGS EXTERIORS AND ROOFS

5.11.14.1 Three times a year (one week prior to Memorial Day and Veterans Day and as needed with the approval of the COR), pressure wash the exterior of all buildings (Admin, PIC, Maintenance, Committal Shelters, Pump House) and their roofs. Remove efflorescence, stains and debris from building faces. Use lowest possible pressure setting while cleaning to prevent reoccurrence of efflorescence. Apply non-toxic efflorescence remover to following manufacturer's printed instructions when pressure washing alone does not remove deposits. Special care must be taken to preserve the integrity of the existing roofing materials. Clean the roof, skylight, fascia, and gutters. Demonstrate in the presence of the COR that the existing roofs do not leak. Any leaks that develop due to Contractor negligence must be repaired at the Contractor's expense by a professional licensed roofing Contractor approved by the Government including replacing damaged roof panels and skylight panes.

5.11.15 BUILDING GUTTERS

5.11.15.1 Inspect and clean building gutters and downspouts of debris monthly.

5.11.16 INTERIOR AND EXTERIOR OF COMMITTAL SHELTERS, BREEZEWAYS AT ADMIN/PIC

5.11.16.1 Each workday clean the interior, furnishings, concrete paving and immediate surroundings of the committal sheltersand breezeways at Admin/PIC. Spot clean glass to eight-foot high.

5.11.16.2 Each workday remove animal droppings from benches, concrete paving, ledges columns and pilasters. Each workday police the building interior for wasps/yellow jackets, exterminate and remove nests. Remove cobwebs.

5.11.16.3 Each workday rake the mineral mulch surrounding the committal shelter before the first service of the day.

5.11.16.4 Weekly, clean the interior and exterior of the windows and doors of the committal shelter. Clean the glass with professional-grade glass cleaner and window cleaning equipment. Provide spot and streak-free surfaces on both sides of glass. Clean and dry window/door frames and mullions.

5.11.16.5 Twice annually (once per semester), deep-clean supports and wood ceiling with appropriate cleaners. Rinse with clean water. Do not pressure wash.

5.11.16.6 Twice annually (once per semester) maintain door hinges and locking mechanisms. Lubricate door hinges and self-closing hinge mechanisms. Set self-closing spring tension for complete closure of door at slowest operation speed. Close committal shelter doors at the end of the day and open doors as approved by COR.

5.11.16.7 Yearly, seal decorative concrete paving within and surrounding the committal shelter with low-gloss concrete sealer following pressure washing of pavement. Apply sealer per manufacturer's printed instruction. Protect from foot traffic until dry.

5.11.17 CLEAN AND MAINTAIN SITE FURNISHINGS

5.11.17.1 Monthly clean and maintain site furnishings including seat walls, benches, memorial benches, bollards, memorial walk monuments, trash receptacles, flower vase holders, flower vases, flower watering stations, fire hydrants.

5.11.17.2 Power wash seat walls once annually to remove efflorescence, stains and debris from facing and concrete caps. Clean concrete caps of seat walls weekly.

5.11.17.3 Tighten mounting bolts on site furnishings.

5.11.17.4 Maintain faucets on flower watering stations. Repair leaks and check anti-siphon valve and pressure regulating valve for proper functioning.

5.11.17.5 Replace drinking fountains water filters semi-annually or sooner if indicator on filter indicates a need for replacement.

5.11.18 CLEAN SOLAR PANELS

5.11.18.1 Clean solar panels annually in June. Use professional-grade cleaning equipment to clean surface of solar panels with a mild detergent and warm water to remove dust, soil, animal droppings, and other debris. Rinse thoroughly with clean water. Use a long handle squeegee to remove water. Keep the panels clear of large leaf litter and other objects that reduce solar transmittance monthly.

5.11.19 FIRE EXTINGUISHERS

5.11.19.1 Provide and Maintain Fire Extinguishers in accordance with the National Fire Protection Association (NFPA) codes and standards. Monthly visual inspections and annual function inspections shall be reported to the COR/Foreman.

6 APPLICABLE PUBLICATIONS

6.6 Applicable Publications (Current Editions)_The Contractor shall comply with various standards, directives, and other VA, NCA, and Miramar publications in addition to industry standards that are applicable at the time of job performance. The Contractor is responsible to stay abreast of updates and changes. Links are provided where available below.

6.7 Interment Area Layout, VA Directive 3120

6.8 Integrated Pest Management at VA National Cemeteries, VA Directive 3410

6.9 Integrated Pest Management at VA National Cemeteries, NCA Handbook 3410

6.10 Organization Assessment and Improvement (OAI) Program NCA Directive NCA 0330

6.11 NCA Environmental Management Program NCA Directive NCA 0057

6.12 Miramar National Cemetery Floral Policy – Provided by COR Post contract award

7 ATTACHMENT/TECHNICAL EXHIBIT LISTING

7.1 Attachment 1/Technical Exhibit 1 – Quality Assurance Surveillance Plan (QASP)
7.2 Attachment 2/Technical Exhibit 2 – Deliverables Schedule
7.3 Attachment 3/Technical Exhibit 3 – Estimated Workload Data for Service Contract Act (SCA) Elements
7.4 Attachment 4/Technical Exhibit 4 – Estimated Workload Data for Davis Bacon Act (DBA) Elements
7.5 Attachment 5/Technical Exhibit 5- Site Summary
7.6 Attachment 6/ Technical Exhibit 6 – Site Maps
7.7 Attachment A/Technical Exhibit 7 – Diagram of Graves
7.8 Attachment B/Technical Exhibit 8 – Dig Slip
7.9 Attachment C/Technical Exhibit 9 – Headstone Realignment Diagrams
7.10 Attachment D/Technical Exhibit 10 – Headstone, Marker and Niche Cover Maintenance Checklist
7.11 Attachment E/Technical Exhibit 11- Grounds Maintenance Checklist
7.12 Attachment F/Technical Exhibit 12 – Pesticide Application Data Sheet
7.13 Attachment G/Technical Exhibit 13 - Vertebrate Pest Inspection Sheet
7.14 Attachment 14/Technical Exhibit 14 – Contract Discrepancy Report (CDR)

ATTACHMENT 1/TECHNICAL EXHIBIT 1
QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)

Quality Assurance Surveillance Plan ** QASP

The Contractor service requirements are summarized into performance objectives that relate directly to mission essential items. The performance threshold briefly describes the minimum acceptable levels of service required for each requirement. These thresholds are critical to mission success and may impact payment and/or CPARS.

Performance Objective	Standard	Performance Threshold	Methods of Surveillance
SP# 1 The Contractor shall provide a detailed grounds maintenance management plan (GMP) in accordance with PWS 5.1.	The Contractor provided GMP shows detailed daily, weekly, monthly, and annual tasks and is received within the first 30 workdays of the contract and updated as necessary.	100% Correction(s) required within one work week to provide acceptable report.	Review by COR TEAM.
SP # 2 The Contractor shall provide deliverables in accordance with PWS requirements and Technical Exhibit 2.	Reports are submitted on time and provide the contracted details.	Information is detailed and provides relevant/ actionable data for planning and quality assurance. Correction and resubmittal within 10 workdays is allowable, however tasks requiring prior approval may not proceed.	Random review by COR TEAM.
SP # 3 The Contractor shall maintain turf. PWS 5.3	Turf is maintained within proper height for its area. Sod does not need to be replaced. Sod is healthy and looks well maintained. PWS 5.3 requirements are met.	90% Contractor shall provide an action plan to bring area into acceptance within one workday with corrections completed as approved by COR. Repeated deficiencies may result in meetings, , CDR, contractual correction.	Monthly inspection of random turf areas throughout the cemetery.
SP # 4 The Contractor shall maintain trees, shrubs, plants, beds, and related non-weed vegetation. PWS 5.5	Trees, shrubs, plants, beds, and related non-weed vegetation flourish and do not need to be replaced. They are weed-free with adequate drainage and mulch. They do not show any sign of disease or pests and appear healthy. They are pruned properly and in a timely manner. Fertilizer, soil amendments, and irrigation properly applied. Soil is aerated, and mulches are groomed based on type and area requirements. Storm damage is promptly cleared.	95% Contractor shall perform/ reperform to bring area into acceptance within two workdays. Repeated deficiencies may result in meetings, , CDR..	Monthly inspection of random non-turf throughout the cemetery.

	PWS 5.5. requirements are met.		
SP # 5 The Contractor shall maintain ponds, drainage, and storm water systems. PWS 5.7.	Water storage and drainage systems are cleared of trash and operating optimally. No standing water is observable on markers, roads, or other areas. PWS 5.7. requirements are met.	95% Contractor shall perform/ reperform to bring area(s) into acceptance within two workdays. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Monthly inspection of random water features throughout the cemetery and 100% inspection following storms and/or flooding
SP # 6 The Contractor shall clean paved areas. PWS 5.9.	All paved areas are clean and groomed. Ongoing maintenance of areas is apparent and there is no evidence of dirt build-up. PWS 5.9. requirements are met.	95% Contractor shall perform/ reperform to bring area(s) into acceptance within two workdays. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Random inspection of random paved features throughout the cemetery.
SP # 7 The Contractor shall perform structure maintenance. PWS 5.11.	National Cemetery structures, monuments, and included elements are clean and function properly. PWS 5.11. requirements are met.	95% Contractor shall provide an action plan to bring area into acceptance within one workday with corrections completed as approved by COR. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Customer complaints shall not exceed three (3) per month.
SP # 8 The Contractor shall clean remove trash, including floral arrangements and unauthorized grave adornments. PWS 5.8.	Trash and debris are removed promptly ensuring the national cemetery is free of clutter and unauthorized items contrary to operations. PWS 5.8. requirements are met.	97% Contractor shall perform/ reperform to bring area(s) into acceptance the same day. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Monthly inspection of random areas throughout the cemetery.
SP # 9 The Contractor restores sunken graves and renovate turf to the proper grade. PWS 5.2.	All turf, including sunken graves are restored and renovated to the proper grade and soil condition as surrounding graves. Sod is restored and thrives. PWS 5.2. requirements are met. **No grave is unmarked at any time.**	90% Contractor shall provide an action plan to bring area into acceptance within one workday with corrections completed as approved by COR. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Monthly inspection of random areas throughout the cemetery.

SP # 10 The Contractor shall adjust interment markers to ensure proper height and alignment. PWS 5.1.	All adjusted markers shall result in proper alignment without delay or damage to the marker and/or surrounding area. PWS 5.1. requirements are met. **No grave is unmarked at any time.**	100% Contractor shall perform/ reperform to ensure the grave is properly marked without delay or deficiency. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Daily inspection of work completed by COR TEAM.
SP # 11 The Contractor shall install subsequent and replacement interment markers. PWS 5.1.	All subsequent and replacement interment grave markers are set without delay or damage to the marker and/or surrounding area. PWS 5.11. requirements are met. **No grave is unmarked at any time.**	100% Contractor shall perform/ reperform to ensure the grave is properly marked without delay or deficiency. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Daily inspection of work completed by COR TEAM,
SP # 12 (DBA) The Contractor shall install first interment markers. PWS 5.1.	All first interment grave markers are set without delay or damage to the marker and/or surrounding area. PWS 5.1. requirements are met. **No grave is unmarked at any time.**	100% Contractor shall perform/ reperform to ensure the grave is properly marked without delay or deficiency. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Daily inspection of work completed by COR TEAM.
SP # 13 The contractor shall provide and maintain Fire Extinguishers. PWS 5.11.	Fire extinguishers shall annually be inspected and maintained with National Fire Protection Association	100% Contractor shall perform/ monthly visual inspections and annual 3rd party inspections of all extinguishers. Repeated deficiencies may result in meetings, QC Updates, CDR, contractual correction.	Daily inspection of work completed by COR TEAM.
SP # 14 The contractor shall provide weekly work plan. PWS 4.1.3	Work planned reports shall be provided to the COR in accordance with the Grounds Maintenance Plan	100% Contractor shall provide accurate work reports. Repeated deficiencies may result in meetings, QC Updates, CDR, and contractual correction.	Daily inspection of work completed by COR TEAM.
SP #15 The contractor shall provide daily work completed report. PWS 4.1.4.	Daily work completed reports shall be provided to the COR in accordance with the Grounds Maintenance Plan	100% Contractor shall provide accurate work reports. Repeated deficiencies may result in meetings, QC Updates, CDR, and contractual correction.	Daily inspection of work completed by COR TEAM.

ATTACHMENT 2/TECHNICAL EXHIBIT 2
DELIVERABLES SCHEDULE

DELIVERABLES SCHEDULE

The Contractor may provide email, PDF, TIF, JPG, PNG, WORD, and EXCEL documents. No zipped files or links to outside sources or storage locations are permitted without prior COR TEAM approval.

Item	Deliverable	Frequency	Qty	Medium/Format	Submit To
1.	Quality Control Plan (QCP). PWS 1.8.1.0, 1.8.1.10 quality standards throughout PWS	With the proposal in draft form. A formal QCP shall be delivered within 30 days after contract award and within five (5) working days following each update.	1	Electronic	COR *and* contracting officer
2.	Grounds Management Plan PWS 4.1.2	With the proposal in draft form. A formal QCP shall be delivered within 30 days after contract award and within five (5) working days following each update.	1	Electronic	COR *and* contracting officer
3.	Personnel List PWS 1.8.1.9	Within ten (10) workdays after contract award	1	Electronic	*COR*
4.	Certification/Specialized work licenses. PWS 1.8.1.7	Upon award, at time of each option, whenever a new certification/ license is issued	1	Electronic	COR *and* contracting officer
5.	List of tools and equipment PWS 4.1.16	Within 10 workdays after contract award and updated as needed	1	Electronic	*COR*
6.	Marker weekly inspection report PWS 5.1.1.11	Weekly	1	Electronic	*COR*
7.	Marker adjustment report. PWS 5.1.2.8	Weekly	1	Electronic	*COR*
8.	Disposed Headstones Log PWS 5.1.1.17.6				

Item	Deliverable	Frequency	Qty	Medium/Format	Submit To
9.	Work activity sequence PWS 2.7	Prior to marker raise and realign	1	Electronic	*COR*
10.	Headstone, Marker and Niche Cover Maintenance checklist PWS 5.1.5.9	Monthly	1	Electronic	*COR*
11.	Manufacturer's product sheets and instructions PWS 5.1.5.10.4	Prior to application	1	Electronic	*COR*
12.	One-half (1/2) cubic-foot sample of compost, and certification letter PWS 4.1.6	Prior to supplying the compost, soil amendments and fertilizers	1	Electronic	*COR*
13.	Laboratory analysis of proposed soil amendments PWS 5.3.5.2	Prior to supplying the compost, soil amendments and fertilizers	1	Electronic	*COR*
14.	Composition and laboratory analysis of fertilizer PWS 5.3.5.2	Prior to supplying the compost, soil amendments and fertilizers	1	Electronic	*COR*
15.	Cemetery Site Plan PWS 5.3.6.42	Weekly	1	Electronic	*COR*
16.	Phot-documentation of trees prior to and after pruning PWS 5.5.5.6	within 14 days of completion of the work	1	Electronic	*COR*
17.	Irrigation Auditor Certificate PWS 5.6.1.15	With proposal	1	Electronic	*COR*
18.	Initial inventory log PWS 5.6.2.2.8	Beginning of the contract	1	Electronic	*COR*
19.	Quarterly Inventory Log irrigation parts PWS 5.5.2.2.8	Quarterly	1	Electronic	*COR*
20.	Irrigation System Inspection PWS 5.6.2.2.5	Weekly	1	Electronic	*COR*
21.	Irrigation Pump Station preventive maintenance plan PWS 5.6.2.3.1	Prior to initiation of contract	1	Electronic	*COR*

Item	Deliverable	Frequency	Qty	Medium/Format	Submit To
22.	Qualified electrical and pump service technician certificate PWS 5.6.2.3.2	Prior to initiation of contract	1	Electronic	*COR*
23.	Preventive maintenance plan for maintenance of all pressure reducing valves PWS 5.5.2.5.1	Prior to initiation of contract	1	Electronic	*COR*
24.	Work completion report for the current week. PWS 4.1.4	Weekly no later than 3:00 p.m. on the final workday of each week.	1	Electronic	*COR*
25.	Detailed grounds management plan (GMP). PWS 4.1.2	With proposal (draft); Final version within 30 workdays of contract award and updated as needed	1	Electronic	COR *a*nd contracting officer
26.	Recommendation report for new trees and plants. PWS 5.5.5.1.16	March and October	1	Electronic	*COR*
27.	Annual Arborist assessment. PWS 5.5.5.1	Annually	1	Electronic	*COR*
28.	Monthly Arborist report of work. PWS 5.5.5.1	Monthly within 15 workdays following visit.	1	Electronic	*COR*
29.	Artificial turf inspection report. PWS 5.10.2.1	One week following inspections in May and October.	1	Electronic	*COR*
30.	Annual soil test report. PWS 5.3.5	Each spring prior to fertilizer purchases.	1	Electronic	*COR*
31.	Notice of completion for fertilizer applications. PWS 5.3.3.1	Within five (5) workdays following application.	1	Electronic	*COR*
32.	Initial vertebrate damage report. PWS 5.4.1.4	Initial report within 10 workdays of contract award.	1	Electronic	*COR*
33.	Recurring weekly vertebrate damage repair report. PWS 5.4.1.6	Weekly	1	Electronic	*COR*

Item	Deliverable	Frequency	Qty	Medium/Format	Submit To
34.	Sunken grave repair report. PWS 5.2.1.3	Weekly	1	Electronic	*COR*
35.	Marker setting for Initial/first. PWS 5.1.1.4	Daily when markers are set.	1	Electronic	*COR*
36.	Marker setting for Subsequent/ replacements. PWS 5.1.1.10	Daily when markers are set.	1	Electronic	*COR*
37.	Weekly work plan. PWS 4.1.3	Weekly	52	Electronic	*COR*
38.	Completed work report. PWS 4.1.4	Daily	261	Electronic	*COR*
39.	Completed fire extinguisher inspection. PWS 5.11.19.1	Monthly/Annually	12/ 1	Electronic	*COR*

ATTACHMENT 3/TECHNICAL EXHIBIT 3
ESTIMATED WORKLOAD DATA FOR SERVICE CONTRACT ACT (SCA) ELEMENTS

HEADSTONE CLEANING AND MAINTENANCE	ESTIMATED QUANTITY	UNIT
Upright Headstones	10,500	Each
Minor Headstone Cleaning	1,000	Each

GRAVESITE MAINTENANCE	ESTIMATED QUANTITY	UNIT
Sunken Grave Renovation – Full Casket Gravesite	25	Each
Sunken Grave Renovation – Cremain Gravesite	50	Each

TURF & GRASSES MAINTENANCE	ESTIMATED QUANTITY	UNIT
Vegetation Removal	10,000	SF
Soil Preparation	7,000	SF
Fine Grading	10,000	SF
Sodding	15,000	SF
Seeding	5,000	SF
Fertilization	Auto Ecofert	Jobs
Pest Control	12	Months
Mowing, Trimming & Edging	12	Months
Aerification	4	Job
Topdressing	1	Job
Dethatching	1	Job

TREE, SHRUB & PLANTING BED MAINTENANCE	ESTIMATED QUANTITY	UNIT
Shrubs and Ground Cover Pruning	12	Months
Tree Pruning	12	Months
Tree Limb and Branch Disposal	12	Months
Vegetation Control	12	Months
Wildflower Area Maintenance	2	Jobs
Weed Control	12	Months
Pest Control	12	Months
Organic Mulch	2	Jobs
Inorganic Mulch	2	Jobs
Planting Bed Edging Maintenance	As needed	
Tree Staking and Maintenance	As needed	
Planting Irrigation	12	Months
Deep Root Tree Irrigation	1	Job
Planting Fertilizing	2	Jobs
IRRIGATION SYSTEM MAINTENANCE	**ESTIMATED QUANTITY**	**UNIT**
Pump Station	5	Jobs
Pump Station Filters	5	Jobs
Water Station	2	Jobs
Weather Sensors	12	Months
Backflow Prevention Device	1	Job
Master Valves	4	Jobs
Flow Meters	1	Job

Basket Strainers	4	Jobs
Automatic Control Valves	4	Jobs
Pressure Regulating Valves	4	Jobs
Combination Valves/Air-Vac Valves	4	Jobs
Isolation Valves	4	Jobs
Leak Detection and Repair	4	Jobs
Irrigation Control System	1	Job

IRRIGATION SYSTEM MINOR REPAIRS	ESTIMATED QUANTITY	UNIT
Irrigation Control System	1	Job
Major Irrigation System Repairs	1	Job

DRAINAGE SYSTEM MINOR REPAIRS	ESTIMATED QUANTITY	UNIT
Drainage System Minor Repairs	6	Jobs

TRASH & DEBRIS REMOVAL	ESTIMATED QUANTITY	UNIT
Trash and Debris Removal	12	Months

PAVEMENT SWEEPING & CLEANING	ESTIMATED QUANTITY	UNIT
Pavement Sweeping and Cleaning	12	Months

STRUCTURE CLEANING & LIGHT MAINTENNACE	ESTIMATED QUANTITY	UNIT
Columbaria Complexes	1	Job
Main Entry Sign, Walls and Gates	1	Job
Walls, Fences, Railings and Guardrails	1	Job
Maintain Gate Hinges and Automation	1	Job
Assembly Area/Rostrum Structure	1	Job
Site Signage	1	Job
Clean and Maintain Flag Poles	1	Job
Maintain Exterior and Interior Lighting	12	Months
Clean Building's Exteriors and Roofs	1	Job
Building Gutters	1	Job
San Joints in Unit Pavers at Committal Shelter	1	Job
Monuments and Plaques	53	Jobs
Fire Extinguishers	12	Months

ARTIFICIAL TURF MAINTENANCE	ESTIMATED QUANTITY	UNIT
Inspect, Clean and Groom Turf Fibers	1	Job
Remove Weeds, Litter and Stains	12	Months
Artificial Turf Rejuvenation	1	Job

ATTACHMENT 4/TECHNICAL EXHIBIT 4
ESTIMATED WORKLOAD DATA FOR DAVIS BACON ACT (DBA) ELEMENTS

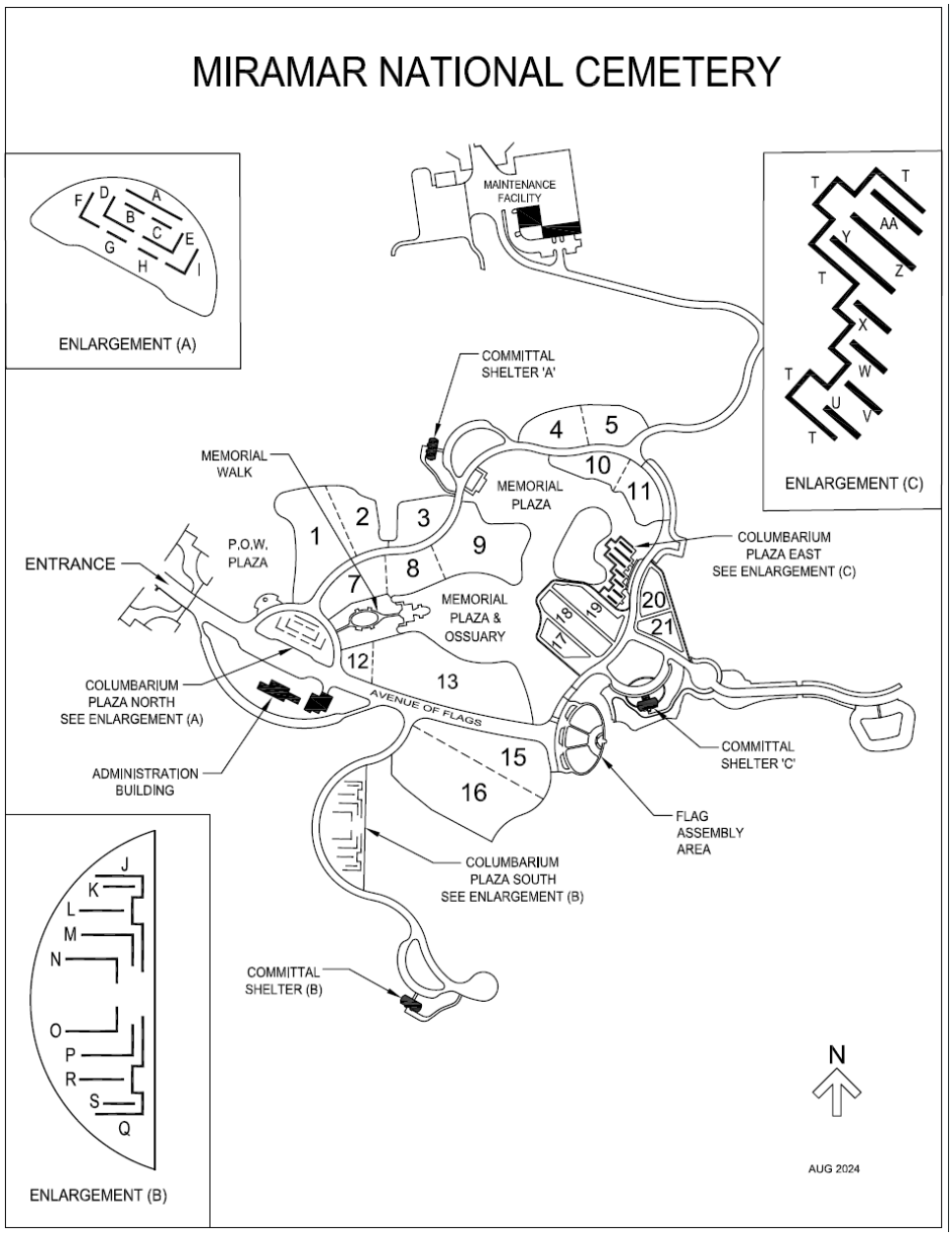
HEADSTONE RAISE, LOWER, REALIGN & RESET	ESTIMATED QUANTITY	UNIT
Fine Tuning Alignment (Bump & Run)	500	Each
Raise and Re-align Upright Headstones	50	Each

Attachment 5/Technical Exhibit 5
Site Summary

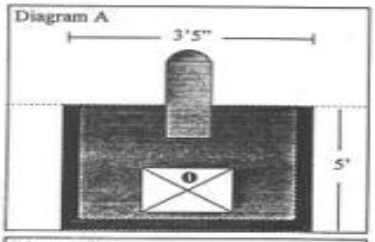
Classification	Quantity	Units
Total Site Area	313.2	Acres
Total Developed Cemetery	100.6	Acres
Total Undeveloped Cemetery	232.6	Acres
Barrow Site	1	Acre
Burial Section Area	28.03	Acres
Columbaria Complex Area	97140	Square-Feet
Committal Shelters	6150	Square-Feet
Administration/Public Information Center (PIC)	5276	Square-Feet
Maintenance Buildings	7000	Square-Feet
Maintenance Yard	2.5	Acres
Walkways/Concrete Paving	137495	Square-Feet
Cortege Lanes	41740	Square-Feet
Asphalt Roads/Parking Lots	372174	Square-Feet
Curb Lines	27460	Lineal Feet
Gravel Roads	31614	Square-Feet
Headstones (Uprights)	6200	Each
Headstones (Niches)	12944	Each
Headstones (Memorial)	5	Each
Irrigated Turf Irrigated, Landscape Beds/Tree Mulch	47	Acres
Cobble Planting Beds	26470	Square-Feet
Cobble Borders	12375	Lineal-Feet
Non-Irrigated Landscape Buffer Areas	8.4	Acres
Mulched Only Areas (No Plantings)	1	Acre
Stormwater Detention Basin	3.68	Acres
Wetland Mitigation Area	0.52	Acres
Vernal Pools*	5.7	Acres
Benches	54	Each
Flower Watering Stations	16	Each
Trash Receptacles/Flower Vase Receptacles	22	Each
Cobble Bands	10881	Square-Feet
Fence	568	Linear Feet
Basin Area	18577	Square-Feet
Shrub Area	136852	Square-Feet
Sprinklers	8297	

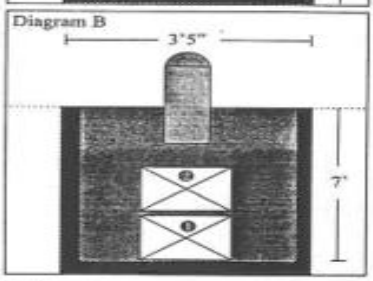
ATTACHMENT 6/ TECHNICAL EXHIBIT 6

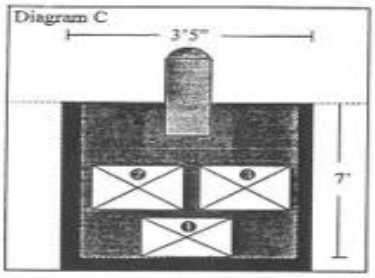
SITE MAPS

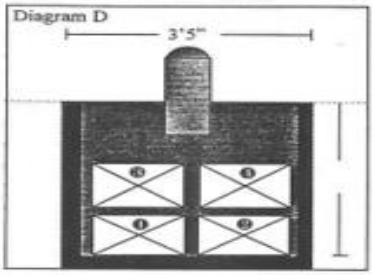


ATTACHMENT 7/TECHNICAL EXHIBIT 7
DIAGRAM OF GRAVES









1. DIAGRAM "A" shows a single burial when no future interment is expected. The burial is made in the center of the site at a depth of 5 feet.

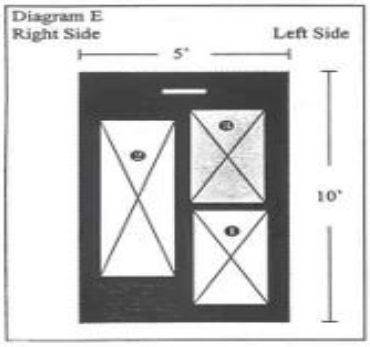
2. DIAGRAM "B" shows normal burial of two remains as in the case of a service connected person and spouse. The first interment is made in the center of the site at a depth of 7 feet. When the second interment is made the grave will be reopened to a depth approximately 2" from the top of the first casket, leaving a thin layer of earth between the two as shown.

3. DIAGRAM "C". If, at the time of the second interment, it is expected that a third interment will be made, the second remains will be placed at the extreme edge of the site, leaving room for the third at the opposite side as shown in Diagram "C". In the infrequent case when a third interment is found necessary after two burials have been made as shown in "B", the grave will be opened sufficiently to permit moving the No. 2 interment to the side to provide room for No. 3. Conditions will again obtain as in "C".

4. DIAGRAM "D". The conditions shown in "D" will occur only rarely, and usually when 2 minor dependents predecease their parents or in extremely rare cases when an accident takes the lives of the entire group.

5. DIAGRAM "E". When the remains are in a small casket, they will be placed in the lower corner of the gravesite, as a 5 ft. depth, permitting room for additional like burials at the head of the first. The two adults would be buried in the other side, the first at 7 ft. and the second at 5 ft.

6. When it is necessary to make side-by-side burials in a single gravesite, extreme care will be exercised to accurately locate the sideline of the site. Where a burial vault is used in such cases, it may be necessary to encroach several inches on adjacent site(s). This is permissible provided the site encroached upon has been or will be utilized as shown in "A" or "B".



7. Unusual conditions may require occasional deviations from the method indicated.

ATTACHMENT 8/TECHNICAL EXHIBIT 8
DIG SLIP

Burial Operation *(circle)*: 1st Casket 2nd Casket 1st Garden 2nd Garden 1st Wall 2nd Wall Disinterment

Decedent: | **Burial Operation Date:**

Burial Operation Staff:

Verify Adjacent Gravesite Information *(Section, Gravesite, Name)*

	Yes	No	NA	Execution *(Initial)*	Witness *(Initial)*
Gravesite Verification completed using Layout Map					
Open gravesite protected while unattended					
Burial Operation completed without damage to containers					
Gravesite leveled, tamped, and finished at proper grade					
Burial Operation completed without damage to turf or markers					
Burial Operation completed without damage to tools/equipment					
Damage reported to Foreman & corrective action implemented					
Adhered to applicable safety best practices					
Utilized applicable Personal Protective Equipment					
Temporary marker aligned on correct gravesite					
Accompanying floral arrangements placed neatly					

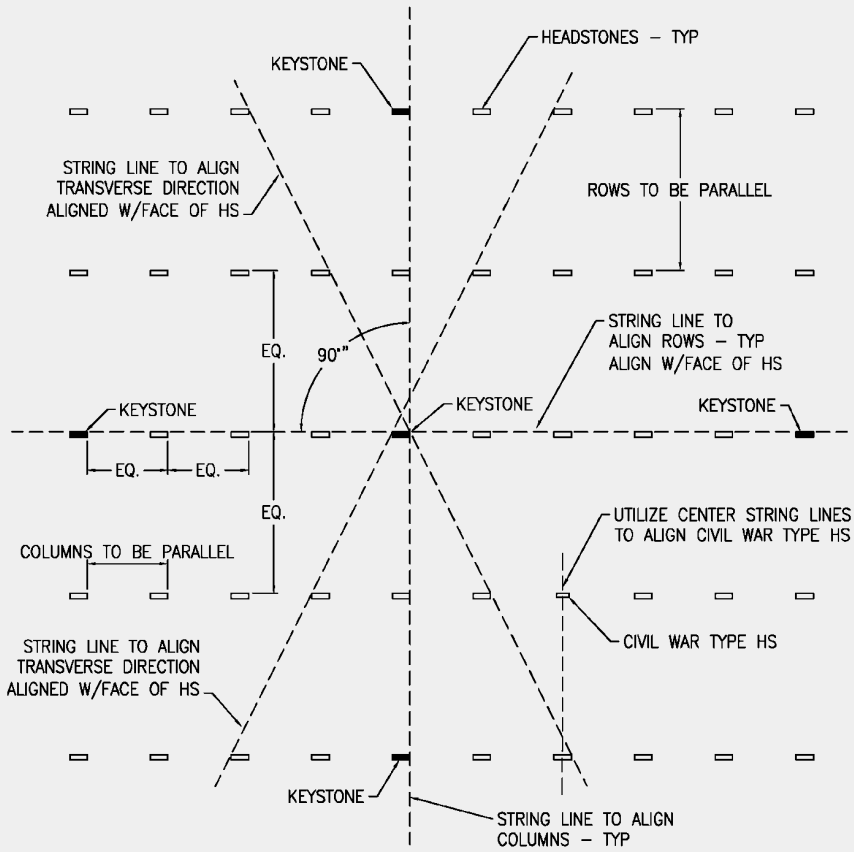
	Yes	No	NA
Witness Placement			
Scheduled			

Comments:

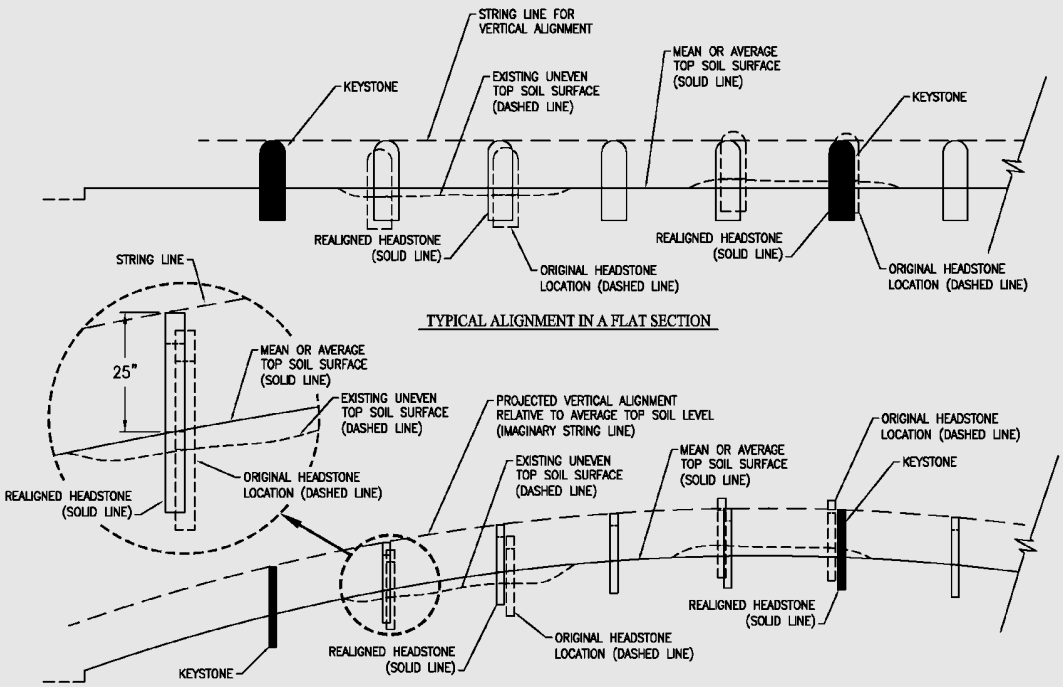
Supervisor Verification Signature:

Your initials indicate Decedent ID tag matches Daily Interment Schedule, Gravesite Verification Checklist, Gravesite Layout Map, and placement in correct gravesite.

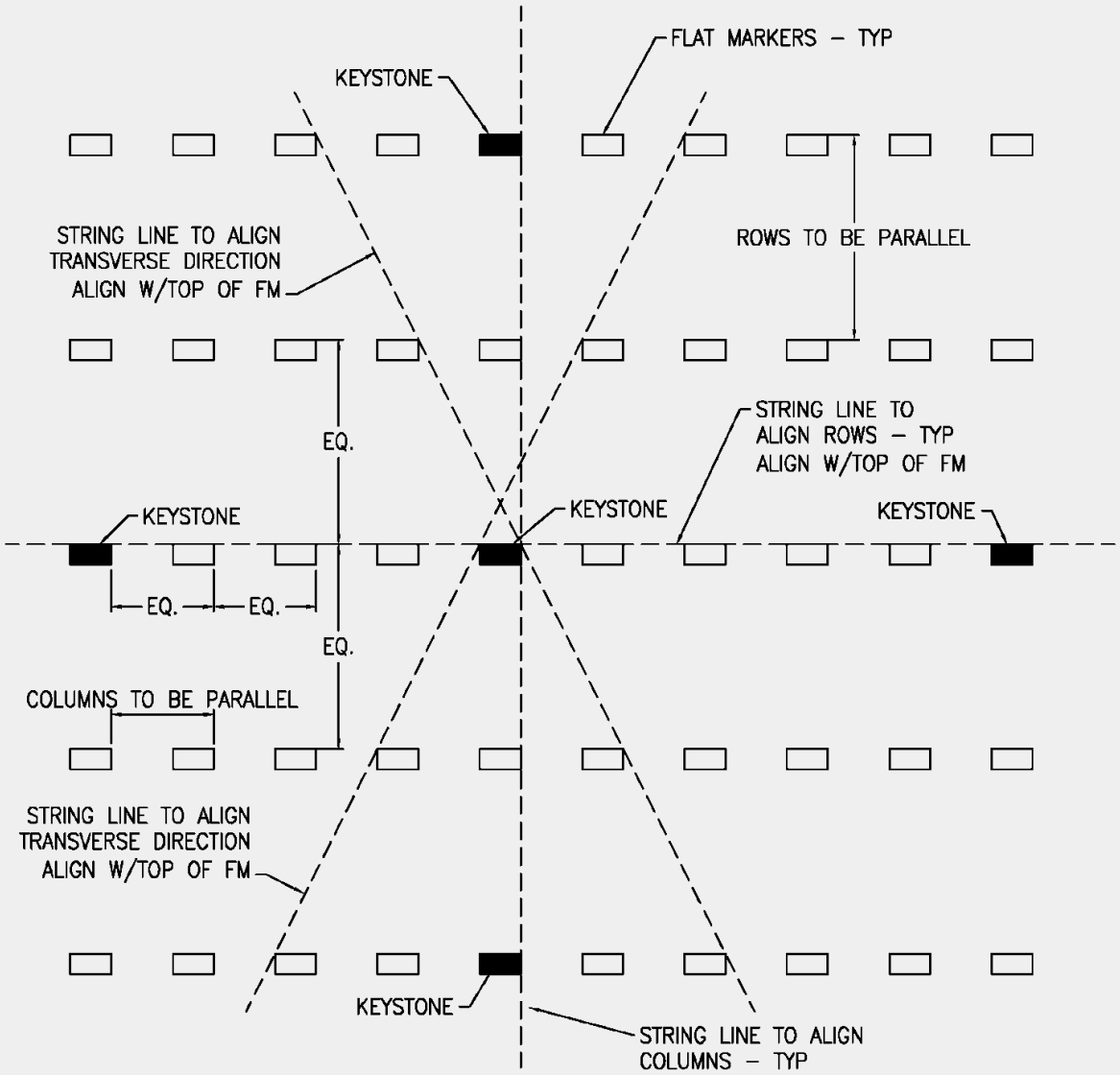
ATTACHMENT 9/TECHNICAL EXHIBIT 9
HEADSTONE REALIGNMENT DIAGRAMS



PLAN VIEW
UPRIGHT HEADSTONE
BURIAL SECTION LAYOUT AND REALIGNMENT

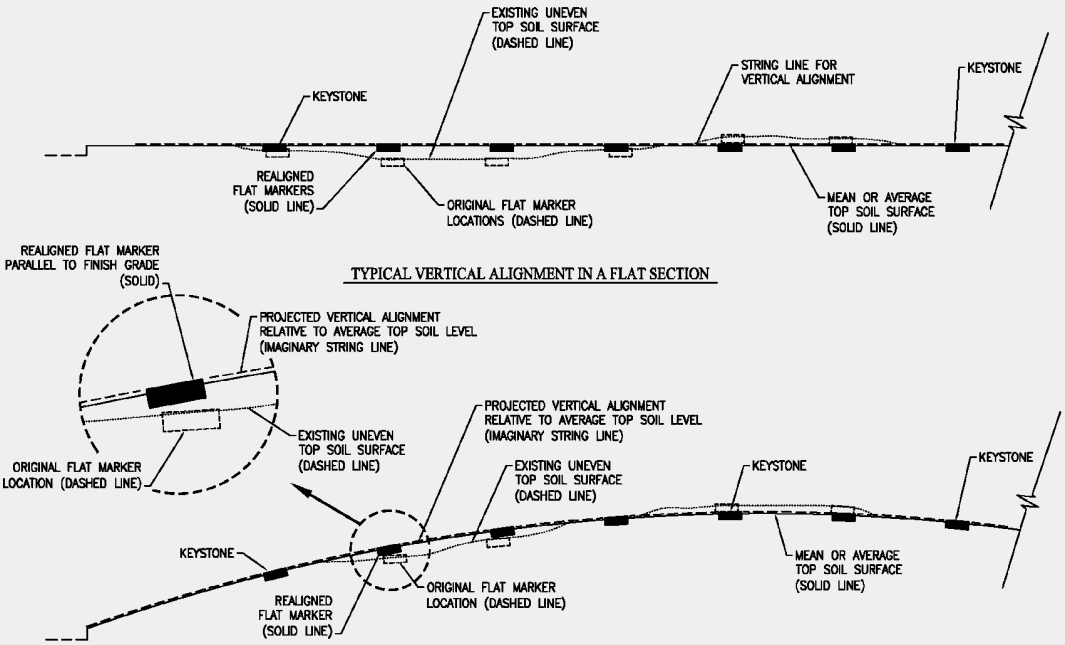


ELEVATION VIEW
UPRIGHT HEADSTONE
BURIAL SECTION LAYOUT AND REALIGNMENT



PLAN VIEW

FLAT MARKER
BURIAL SECTION LAYOUT AND REALIGNMENT


EXISTING UNEVEN TOP SOIL SURFACE (DASHED LINE)
STRING LINE FOR VERTICAL ALIGNMENT
KEYSTONE
KEYSTONE
REALIGNED FLAT MARKERS (SOLID LINE)
ORIGINAL FLAT MARKER LOCATIONS (DASHED LINE)
MEAN OR AVERAGE TOP SOIL SURFACE (SOLID LINE)
TYPICAL VERTICAL ALIGNMENT IN A FLAT SECTION
REALIGNED FLAT MARKER PARALLEL TO FINISH GRADE (SOLID)
PROJECTED VERTICAL ALIGNMENT RELATIVE TO AVERAGE TOP SOIL LEVEL (IMAGINARY STRING LINE)
EXISTING UNEVEN TOP SOIL SURFACE (DASHED LINE)
ORIGINAL FLAT MARKER LOCATION (DASHED LINE)
PROJECTED VERTICAL ALIGNMENT RELATIVE TO AVERAGE TOP SOIL LEVEL (IMAGINARY STRING LINE)
EXISTING UNEVEN TOP SOIL SURFACE (DASHED LINE)
KEYSTONE
KEYSTONE
KEYSTONE
MEAN OR AVERAGE TOP SOIL SURFACE (SOLID LINE)
ORIGINAL FLAT MARKER LOCATION (DASHED LINE)
REALIGNED FLAT MARKER (SOLID LINE)
TYPICAL VERTICAL ALIGNMENT IN A SLOPED SECTION
ELEVATION VIEW
FLAT MARKER
BURIAL SECTION VERTICAL ALIGNMENT

HEADSTONE, MARKER AND NICHE COVER MAINTENANCE CHECKLIST

HEADSTONE, MARKER AND NICHE COVER MAINTENANCE CHECKLIST (MONTHLY)					
Area/Section Inspected:		**OK**	**Needs Attention/#**	**N/A**	**Comments**
OAI Measure	**Description**				
Cleaning					
4.1	Headstones are clean, free of debris and objectionable accumulations				
	Markers are clean, free of debris and objectionable accumulations.				
	Niche covers are clean, free of debris and objectionable accumulations.				
Height and Alignment					
4.2	Upright headstones are at the proper height and alignment				
	Flat markers are at the proper height and alignment				
	Niche covers are at the proper height and alignment.				
Condition					
4.4	Headstone, marker and niche cover inscriptions are visible and legible as appropriate for the age and historic significance of the marker.				
4.5	Damaged and defaced headstones markers, and niche covers have been identified and action taken to replace or repair them.				
4.6	Headstones, markers, and niche covers that are no longer useable are disposed of in a manner that is respectful and prevents unacceptable use.				
Signature of Inspector:					
Title:					

GROUNDS MAINTENANCE CHECKLIST

GROUNDS MAINTENANCE CHECKLIST - DAILY					DATE: _____		
Area/Section Inspected:							
Completed by:		**Title**					
MEASURE	**DESCRIPTION**	**OK**	**NEEDS ATTENTION**	**NOT APPLICABLE**	**COMMENTS**	**Number Identified**	**Completed and/or**
	TURF / NON-TURF (*Circle One*)						
GM-2.3b/2.9b	Visually Prominent Areas are free of trash.						
GM-2.4b/2.9d	Sunken graves are identified and measures taken to re-establish ground level and cover within 30 calendar days of the date identified.						
GM-2.8	Turf damage due to grounds maintenance tasks is identified and corrective action initiaited by close of business the same day						
GM-2.9h	Grave reopeners are raked and groomed to return the grave to its original state within the same workday (**non-turf areas only**).						
	GENERAL MAINTENANCE						
GM-6.2a	Debris, equipment, tools and supplies are removed from turf areas at the conclusion or each task or at the end of the workday.						
GM-6.2b	All roads, walkways, shelters, etc are free of grounds maintenance debris at the end of the workday.						
	SAFETY						
OS-3.1a	Necessary personal protective equipment and safety measures are adhered to at all times during Grounds Maintenance operations.						
OS-3.2a	Safety hazards (holes, sunken graves, pest, etc.) identified and corrective action initiated to ensure safety with the same workday.						
OS-3.3a	Roads, sidewalks, paths and parking lots open to the public or for cemetery operations during adverse conditions are safe and accessible (e.g. clear of ice and snow or storm debris).						

GROUNDS MAINTENANCE CHECKLIST - WEEKLY					**DATE:**
Area/Section Inspected:					
Completed by:		**Title**			
MEASURE	**DESCRIPTION**	**OK**	**NEEDS ATTENTION**	**NOT APPLICABLE**	**COMMENTS**
	TURF / NON-TURF (*Circle One*)				
GM-2.1c	Turf in Visually Prominent Areas is maintained within one inch of the recommended height.				
GM-2.3a/2.9a	Turf areas are cleared of leaves and other natural debris as needed or weekly.				
GM-2.5/2.9e	Visually Prominent Areas have no standing water.				
GM-2.6a	Turf surrounding headstones is trimmed to its recommended mowing height.				
GM-2.6b	Turf is edged vertically even with marker and marker is free of trimming debris.				
GM-2.6c	Other features on cemetery grounds are trimmed or edged within appropriate limits.				
GM-2.9f	Headstones and markers with sand or gravel surrounding them are generally weed free **(non-turf areas only)**.				
GM-2.9g	Burial areas appear raked and groomed **(non-turf areas only).**				
	PLANTING BEDS				
GM-4.1b	Planting beds are weed free.				
GM-4.1c	Plants in planting beds are healthy, vigourous, and free of pests and disease and are maintained in accordance with the CGMP.				

GROUNDS MAINTENANCE CHECKLIST - MONTHLY					DATE:		
Area/Section Inspected:							
Completed by:		Title					
MEASURE	DESCRIPTION	OK	NEEDS ATTENTION	NOT APPLICABLE	COMMENTS	Number Identified	Number Completed
	TURF / NON-TURF (*Circle One*)						
GM-2.1a	Visually prominent area is generally weed free.						
GM-2.1b	Visually prominent area is generally free of bare areas.						
GM-2.7a	Grave reopeners during the growing season show healthy turf re-established within 60 days of the interment.						
GM-2.7b	Winter grave reopeners show healthy turf re-established within 60 days of the start of the growing season.						
	TREES AND SHRUBS						
GM-3.2	Trees and shrubs are healthy, vigorous, free of pests and disease and/or are maintained in accordance with the Cemetery Grounds Management Plan.						
	GENERAL MAINTENANCE						
GM-6.4a	Containers for floral vases are well marked, clean, neat and in good repair.						
GM-6.4b	Floral vases are clean and in good repair						

GROUNDS MAINTENANCE CHECKLIST - ANNUAL					DATE:		
Area/Section Inspected:							
Completed by:		Title					
MEASURE	DESCRIPTION	OK	NEEDS ATTENTION	NOT APPLICABLE	COMMENTS	Number Identified	Number Completed
	TURF / NON-TURF (*Circle One*)						
GM-1.1a	Grounds Management Plan is current and includes a cemetery site plan and all maintenance activities and schedules.						
GM-1.1b	Grounds Management Plan has been reviewed and updated.						
GM-1.1c	Activities in the Grounds Management Plan are being accomplished						
GM-2.2	Turf is compatible with the geographic region.						
	TREES AND SHRUBS						
GM-3.1	Trees and shrubs are compatible with the geographic region.						
	PLANTING BEDS						
GM-4.1a	Planting beds contain only material that is compatible with the geographic region.						
	WASTE MANAGEMENT						
GM-5.2a	Cemetery has a centralized trash collection point established in a location that is screened from the public.						
GM-5.3	Cemetery spoils areas are located, concealed or maintained to minimize public visibility.						
	GENERAL MAINTENANCE						
GM-6.3	Floral regulations are posted in visually prominents areas.						

ATTACHMENT 12/TECHNICAL EXHIBIT 12
PESTICIDE APPLICATION DATA SHEET

	Date:	Applicator:	
APPLICATION SITE		Location:	
	Size of Treatment Area:	Plant Age and Condition:	
	Description (Turf, Bed etc.):	Soil Conditions:	
	Surrounding Sensitive Areas:		
	Previous Pesticides Used:		
PEST PROBLEM	Primary Pest:	Damage Observed:	
	Other Pests Present:	Location of Damage:	
	Beneficials Present:		
	Severity of Pest Problem:		
PESTICIDE(S) USED	Pesticide(s): Formulation: (1)	Rate:	Total Amount Used:
	(2)		
	(3)		
	Adjuvants Type:	Amount:	Total Gallons of Diluted Spray Used:
	Surfactant Type:	Amount:	
APPLICATION	Date(s) of Application:	Weather Conditions Temperature:	
	Equipment used:	Cloud Cover:	
		Wind Speed:	
	Equipment Calibrated By:	Wind Direction:	
		Rain:	
		Travel Speed:	
		Total Hours for Application:	
	Persons Notified or Spoken to Regarding Application:		
	(1)		
	(2)		
	(3)		
FOLLOW UP	Effectiveness of Application:	Beneficials Present:	Pest Resurgence Noted:
	Injury to Non-Target Plants or Surfaces:		
COMMENTS			
Signature & Date			

ATTACHMENT 13/TECHNICAL EXHIBIT 13
VERTEBRATE PEST INSPECTION SHEET

Gophers, Voles, Moles, Ground Squirrels, Raccoons, Skunks, Geese, Turkeys, Pigs, Snakes, Etc.

Location of Service: _____ National Cemetery

Date of Service: _____

NO.	CEMETERY SECTION	ID# OF NEAREST HEADSTONE	ANIMAL PEST TYPE	OLD OR NEW DAMAGE?	DATE OF DISCOVERY	CHEMICAL OR TRAP TREATMENT	DATE OF TREATMENT	DATE OF TURF REPAIR	CONTRACTOR SIGNATURE	COMMENTS
1										
2										
3										
4										
5										
6										
7										
8										
9 10										

ATTACHMENT 14/TECHNICAL EXHIBIT 14
CONTRACT DISCREPANCY REPORT

CONTRACT DISCREPANCY REPORT (CDR)		
1. Contract Number:	2. Report No. for this Discrepancy:	
3. To: (Contractor/Manager's Name)	4. From: (Name of COR)	
5. Dates:		
5a. Prepared:	5b. Returned by Contractor:	5c. Action Complete:
6. Discrepancy or Problem: (Describe in detail. Include reference to PWS Directive; attach additional sheet if necessary.)		

7. Signature of Contracting Officer or COR:	
8a. To: (Contracting Officer and/or COR)	8b. From: (Contractor)
9. Contractor Response as to Cause, Corrective Action and Actions to Prevent Recurrence: (attach additional sheet if necessary.)	
10a. Signature of Contractor Representative:	10b. Date:
11. Government Evaluation: (Acceptance, partial acceptance, reflection; attach additional sheet if necessary.)	
12. Government Actions: (Reduced payment, cure notice, show cause, other)	
13. Close Out	

	Name	Title	Signature	Date
Contractor Notified				
b. COR				
c. CO				

Section 2 - Contract Clauses

52.252-2 Clauses Incorporated by Reference (Feb 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):
www.acquisition.gov/browse/index/far (FAR)
www.va.gov/oal/library/vaar/index.asp (VAAR)

_____
[Insert one or more Internet addresses]

(End of clause)

Deliveries or Performance

Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0001/1		1,800.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0002/1		250.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0003/1		1,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0004/1		10,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0005/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0006/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0007/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0008/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892)

				DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0009/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0010/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0011/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0012/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0013/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
0014/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10001/1		1,800.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10002/1		250.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10003/1		1,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10004/1		10,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106

Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10005/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10006/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10007/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10008/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10009/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10010/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10011/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10012/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10013/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
10014/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20001/1		1,800.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237

				SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20002/1		250.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20003/1		1,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20004/1		10,000.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20005/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20006/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20007/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20008/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20009/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20010/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20011/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20012/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY

				POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20013/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106
Line Number/ Delivery Number	Delivery	Quantity	FOB Point	Address
20014/1		12.000000		FORT ROSECRANS NATIONAL CEMETERY (892) DEPT OF VETERANS AFFAIRS (892) FORT ROSECRANS NATIONAL CEMETERY POINT LOMA PO BOX 6237 SAN DIEGO, CA 92106

PERIOD OF PERFORMANCE

ITEM	**START**	**END**
0001	09/01/2026	08/31/2027
0002	09/01/2026	08/31/2027
0003	09/01/2026	08/31/2027
0004	09/01/2026	08/31/2027
0005	09/01/2026	08/31/2027
0006	09/01/2026	08/31/2027
0007	09/01/2026	08/31/2027
0008	09/01/2026	08/31/2027
0009	09/01/2026	08/31/2027
0010	09/01/2026	08/31/2027
0011	09/01/2026	08/31/2027
0012	09/01/2026	08/31/2027
0013	09/01/2026	08/31/2027
0014	09/01/2026	08/31/2027
10001	09/01/2027	08/31/2028
10002	09/01/2027	08/31/2028
10003	09/01/2027	08/31/2028
10004	09/01/2027	08/31/2028
10005	09/01/2027	08/31/2028
10006	09/01/2027	08/31/2028
10007	09/01/2027	08/31/2028
10008	09/01/2027	08/31/2028
10009	09/01/2027	08/31/2028
10010	09/01/2027	08/31/2028
10011	09/01/2027	08/31/2028
10012	09/01/2027	08/31/2028
10013	09/01/2027	08/31/2028
10014	09/01/2027	08/31/2028
20001	09/01/2028	08/31/2029

20002	09/01/2028	08/31/2029
20003	09/01/2028	08/31/2029
20004	09/01/2028	08/31/2029
20005	09/01/2028	08/31/2029
20006	09/01/2028	08/31/2029
20007	09/01/2028	08/31/2029
20008	09/01/2028	08/31/2029
20009	09/01/2028	08/31/2029
20010	09/01/2028	08/31/2029
20011	09/01/2028	08/31/2029
20012	09/01/2028	08/31/2029
20013	09/01/2028	08/31/2029
20014	09/01/2028	08/31/2029

Clause	Title	Fill-ins
52.203-6 Alt I	Restrictions on Subcontractor Sales to the Government (Jun 2020) - Alternate I (Nov 2021)	
52.203-17	Contractor Employee Whistleblower Rights (Nov 2023)	
52.203-19	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements (Jan 2017)	
52.204-13 (DEV)	System for Award Management - Maintenance (OCT 2018) (DEVIATION NOV 2025)	
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, Proposed for Debarment, or Voluntarily Excluded (Jan 2025)	
52.209-10	Prohibition on Contracting with Inverted Domestic Corporations (Nov 2015)	
52.212-4 (DEV)	Contract Terms and Conditions-Commercial Products and Commercial Services (NOV 2023) (DEVIATION AUG 2025)	
52.219-6 (DEV)	Notice of Total Small Business Set-Aside (NOV 2020) (DEVIATION NOV 2025)	
52.219-8 (DEV)	Utilization of Small Business Concerns (JAN 2025) (DEVIATION NOV 2025)	
52.219-14 (DEV)	Limitations on Subcontracting (OCT 2022) (DEVIATION NOV 2025)	End of base term: "X"
52.222-3 (DEV)	Convict Labor (JUN 2003) (DEVIATION NOV 2025)	

Clause	Title	Fill-ins
52.222-6 (DEV)	Construction Wage Rate Requirements (AUG 2018) (DEVIATION NOV 2025)	
52.222-7 (DEV)	Withholding of Funds (MAY 2014) (DEVIATION NOV 2025)	
52.222-8 (DEV)	Payrolls and Basic Records (JUL 2021) (DEVIATION NOV 2025)	
52.222-10 (DEV)	Compliance with Copeland Act Requirements (FEB 1988) (DEVIATION NOV 2025)	
52.222-11 (DEV)	Subcontracts (Labor Standards) (MAY 2014) (DEVIATION NOV 2025)	
52.222-12	Contract Termination - Debarment (May 2014)	
52.222-13	Compliance with Construction Wage Rate Requirements and Related Regulations (May 2014)	
52.222-14 (DEV)	Disputes Concerning Labor Standards (FEB 1998) (DEVIATION NOV 2025)	
52.222-15	Certification of Eligibility (May 2014)	
52.222-35 (DEV)	Equal Opportunity for Veterans (JUN 2020) (DEVIATION NOV 2025)	
52.222-36 (DEV)	Equal Opportunity for Workers with Disabilities (JUN 2020) (DEVIATION NOV 2025)	
52.222-37 (DEV)	Employment Reports on Veterans (JUN 2020) (DEVIATION NOV 2025)	
52.222-40 (DEV)	Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (DEVIATION NOV 2025)	
52.222-41 (DEV)	Service Contract Labor Standards (AUG 2018) (DEVIATION NOV 2025)	
52.222-43 (DEV)	Fair Labor Standards Act and Service Contract Labor Standards-Price Adjustment (Multiple Year and Option Contracts) (AUG 2018) (DEVIATION NOV 2025)	
52.222-50 (DEV)	Combating Trafficking in Persons (OCT 2025) (DEVIATION NOV 2025)	
52.222-55 (DEV)	Minimum Wages for Contractor Workers Under Executive Order 14026 (Jan 2022) (DEVIATION NOV 2025)	
52.222-62 (DEV)	Paid Sick Leave Under Executive Order 13706 (JAN 2022) (DEVIATION NOV 2025)	
52.223-5	Pollution Prevention and Right-to-Know Information (May 2024)	
52.223-23 (DEV)	Sustainable Products (MAY 2024) (DEVIATION NOV 2025)	
52.225-1 (DEV)	Buy American-Supplies (OCT 2022) (DEVIATION NOV 2025)	

Clause	Title	Fill-ins
52.226-8	Encouraging Contractor Policies To Ban Text Messaging While Driving (May 2024)	
52.228-5	Insurance-Work on a Government Installation (Jan 1997)	
52.229-3 (DEV)	Federal, State, and Local Taxes (FEB 2013) (DEVIATION SEP 2025)	
52.232-18	Availability of Funds (Apr 1984)	
52.232-33	Payment by Electronic Funds Transfer-System for Award Management (Oct 2018)	
52.232-40	Providing Accelerated Payments to Small Business Subcontractors (Mar 2023)	
52.233-3 (DEV)	Protest after Award (AUG 1996) (DEVIATION NOV 2025)	
52.233-4 (DEV)	Applicable Law for Breach of Contract Claim (AUG 1996) (DEVIATION NOV 2025)	
52.237-2	Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)	
52.237-3	Continuity of Services (Jan 1991)	
52.244-6 (DEV)	Subcontracts for Commercial Products and Commercial Services (OCT 2025) (DEVIATION NOV 2025)	
852.201-70	CONTRACTING OFFICER'S REPRESENTATIVE (DEC 2022)	
852.203-70	COMMERCIAL ADVERTISING (MAY 2018)	
852.219-73 (DEV)	VA NOTICE OF TOTAL SET-ASIDE FOR CERTIFIED SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESSES (NOV 2022) (DEVIATION JAN 2023)	BaseTerm: "X"
852.222-71 (DEV)	COMPLIANCE WITH EXECUTIVE ORDER 13899 (APR 2025) (DEVIATION APR 2025)	
852.232-72	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS (NOV 2018)	
852.237-75	KEY PERSONNEL (OCT 2019)	
852.242-71	ADMINISTRATIVE CONTRACTING OFFICER (OCT 2020)	

52.216-18 Ordering (Aug 2020)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from 09/01/2026 through 08/31/3029 [*insert dates*].

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) A delivery order or task order is considered "issued" when--

(1) If sent by mail (includes transmittal by U.S. mail or private delivery service), the Government deposits the order in the mail;

(2) If sent by fax, the Government transmits the order to the Contractor's fax number; or

(3) If sent electronically, the Government either--

(i) Posts a copy of the delivery order or task order to a Government document access system, and notice is sent to the Contractor; or

(ii) Distributes the delivery order or task order via email to the Contractor's email address.

(d) Orders may be issued by methods other than those enumerated in this clause only if authorized in the contract.

(End of clause)

52.216-19 Order Limitations (Oct 1995)

(a) *Minimum order*. When the Government requires supplies or services covered by this contract in an amount of less than $3.21 [*insert dollar figure or quantity*], the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) *Maximum order*. The Contractor is not obligated to honor--

(1) Any order for a single item in excess of $900,000.00 [*insert dollar figure or quantity*];

(2) Any order for a combination of items in excess of $2,100,000.00 [*insert dollar figure or quantity*]; or

(3) A series of orders from the same ordering office within 10 days that together call for quantities exceeding the limitation in paragraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

52.216-22 (DEV) Indefinite Quantity (OCT 1995) (DEVIATION NOV 2025)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum." The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum."

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the ordering period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order, which may include order options to be exercised after the ordering period of this contract but before the end of the period of performance of the order. The contract shall govern the Contractor's and Government's

rights and obligations with respect to that order, including options exercised, to the same extent as if the order were completed during the contract's ordering period; provided, that the Contractor shall not be required to make any deliveries under this contract after 02/27/2031 [*insert date*].

(End of clause)

52.217-8 Option to Extend Services (Nov 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 10 [*insert the period of time within which the Contracting Officer may exercise the option*].

(End of clause)

52.217-9 Option to Extend the Term of the Contract (Mar 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 10 [*insert the period of time within which the Contracting Officer may exercise the option*]; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days [*60 days unless a different number of days is inserted*] before the contract expires. The preliminary notice does not commit the Government to an extension.
(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed Three years and six months (months)(years).

(End of clause)

52.222-32 (DEV) Construction Wage Rate Requirements-Price Adjustment (Actual Method) (AUG 2018) (DEVIATION NOV 2025)

(a) The wage determination issued under the Construction Wage Rate Requirements statute by the Administrator, Wage and Hour Division, U.S. Department of Labor, that is effective for an option to extend the term of the contract, will apply to that option period.

(b)(1) The Contractor states that if the prices in this contract contain an allowance for wage or benefit increases, such allowance will not be included in any request for contract price adjustment submitted under this clause.

(2) The Contractor must provide with each request for contract price adjustment under this clause a statement that the prices in the contract do not include any allowance for any increased cost for which adjustment is being requested.

(c) The Contracting Officer will adjust the contract price or contract unit price labor rates to reflect the Contractor’s actual increase or decrease in wages and fringe benefits to the extent that the increase is made to comply with, or the decrease is voluntarily made by the Contractor as a result of-

(1) Incorporation of the Department of Labor’s Construction Wage Rate Requirements wage determination applicable at the exercise of an option to extend the term of the contract; or

(2) Incorporation of a Construction Wage Rate Requirements wage determination otherwise applied to the contract by operation of law.

(d) Any adjustment will be limited to increases or decreases in wages and fringe benefits as described in paragraph (c) of this clause, and the accompanying increases or decreases in social security and unemployment taxes and workers’ compensation insurance, but will not otherwise include any amount for general and administrative costs, overhead, or profit.

(e) The Contractor must notify the Contracting Officer of any increase claimed under this clause within 30 days after receiving a revised wage determination unless this notification period is extended in writing by the Contracting Officer. The Contractor must notify the Contracting Officer promptly of any decrease under this clause, but nothing in this clause precludes the Government from

asserting a claim within the period permitted by law. The notice must contain a statement of the amount claimed and any relevant supporting data, including payroll records that the Contracting Officer may reasonably require. Upon agreement of the parties, the Contracting Officer will modify the contract price or contract unit price in writing. The Contractor must continue performance pending agreement on or determination of any such adjustment and its effective date.

(f) Contract price adjustment computations must be computed as follows:

(1) *Computation for contract unit price per single craft hour for schedule of indefinite-quantity work*. For each labor classification, the difference between the actual wage and benefit rates (combined) paid and the wage and benefit rates (combined) required by the new wage determination must be added to the original contract unit price if the difference results in a combined increase. If the difference computed results in a combined decrease, the contract unit price must be decreased by that amount if the Contractor provides notification as provided in paragraph (e) of this clause.

(2) *Computation for contract unit price containing multiple craft hours for schedule of indefinite-quantity work*. For each labor classification, the difference between the actual wage and benefit rates (combined) paid and the wage and benefit rates (combined) required by the new wage determination must be multiplied by the actual number of hours expended for each craft involved in accomplishing the unit-priced work item. The product of this computation will then be divided by the actual number of units ordered in the preceding contract period. The total of these computations for each craft will be added to the current contract unit price to obtain the new contract unit price. The extended amount for the line item will be obtained by multiplying the new unit price by the estimated quantity. If actual hours are not available from the preceding contract period for computation of the adjustment for a specific contract unit of work, the Contractor, in agreement with the Contracting Officer, must estimate the total hours per craft per contract unit of work.

Example: Asphalt Paving--Current Price $3.38 per Square Yard

DBA Craft	New WD		Hourly rate paid		Diff.		Actual Hrs	Actual units (sq. yard)		Increase/ sq yard
Equip. Opr.	$18.50	-	$18.00	=	$.50	x	600 hrs./	3,000 sq. yrd.	=	$.10
Truck Driver	$19.00	-	$18.25	=	$.75	x	525 hrs./	3,000 sq. yrd.	=	$.13
Laborer	$11.50	-	$11.25	=	$.25	x	750 hrs./	3,000 sq. yrd.	=	$.06

Total increase per square yard = $.29 *

*Note: Adjustment for labor rate increases or decreases may be accompanied by social security and unemployment taxes and workers' compensation insurance.

Current unit price (per square yard)	= $3.38
Add DBA price adj	+.29
New unit price (per square yard)	$3.67

(End of clause)

52.222-90 Addressing DEI Discrimination by Federal Contractors

As prescribed in 22.2203, insert the following clause:

Addressing DEI Discrimination by Federal Contractors (DEVIATION Apr 2026)

(a) *Definitions*. As used in this clause—

Program participation means membership or participation in, or access or admission to: training, mentoring, or leadership development programs; educational opportunities; clubs; associations; or similar opportunities that are sponsored or established by the contractor or subcontractor.

Racially discriminatory diversity, equity, and inclusion (DEI) activities means disparate treatment based on race or ethnicity in the recruitment, employment (e.g., hiring, promotions), contracting (*e.g.*, vendor agreements), program participation, or allocation or deployment of an entity's resources.

(b) In connection with the performance of work under this contract, the Contractor agrees as follows:

(1) The Contractor will not engage in any racially discriminatory DEI activities;

(2) The Contractor will furnish all information and reports, including providing access to books, records, and accounts, as required by the Contracting Officer, for purposes of ascertaining compliance with this clause;

(3) In the event of the Contractor's or a subcontractor's noncompliance with this clause, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor or subcontractor may be declared ineligible for further Government contracts;

(4) The Contractor will report any subcontractor's known or reasonably knowable conduct that may violate this clause to the Contracting Officer and take any appropriate remedial actions directed by the Contracting Officer; and

(5) The Contractor will inform the Contracting Officer if a subcontractor sues the Contractor and the suit puts at issue, in any way, the validity of this clause.

(6) The Contractor recognizes that compliance with the requirements of this clause are material to the Government's payment decisions for purposes of 31 U.S.C. 3729(b)(4).

(c) The Contractor must include the substance of this clause, including this paragraph (c), in subcontracts at any tier, including those for commercial products and commercial services, except those where the place of delivery or performance is outside the United States.

(End of clause)

52.232-19 Availability of Funds for the Next Fiscal Year (Apr 1984)

Funds are not presently available for performance under this contract beyond 09/30/2026. The Government's obligation for performance of this contract beyond that date is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise for performance under this contract beyond 09/30/2026, until funds are made available to the Contracting Officer for performance and until the Contractor receives notice of availability, to be confirmed in writing by the Contracting Officer.

(End of clause)

52.240-91 Alt I (DEV) Security Prohibitions and Exclusions (NOV 2025) - Alternate I (NOV 2025) (DEVIATION NOV 2025)

(a) *Definitions.* As used in this clause-

American Security Drone Act-covered foreign entity means an entity included on a list that the Federal Acquisition Security Council (FASC) develops and maintains and publishes in the System for Award Management (SAM) at https://www.sam.gov (section 1822 of Pub. L. 118-31, 41 U.S.C. 3901 note prec.).

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered application means the social networking service TikTok or any successor application or service developed or provided by ByteDance Limited or an entity owned by ByteDance Limited.

Covered article, as defined in 41 U.S.C. 4713(k), means:

(1) Information technology, as defined in 40 U.S.C. 11101, including cloud computing services of all types;

(2) Telecommunications equipment or telecommunications service, as those terms are defined in section 3 of the Communications Act of 1934 (47 U.S.C. 153);

(3) The processing of information on a Federal or non-Federal information system, subject to the requirements of the Controlled Unclassified Information program (see 32 CFR part 2002); or

(4) Hardware, systems, devices, software, or services that include embedded or incidental information technology.

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means-

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means-

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

FASC-prohibited unmanned aircraft system means an unmanned aircraft system manufactured or assembled by an American Security Drone Act-covered foreign entity.

FASCSA order means any of the following orders issued under the Federal Acquisition Supply Chain Security Act (FASCSA) requiring removing covered articles from executive agency information systems or excluding one or more named sources or named covered articles from executive agency procurement actions, as described in 41 CFR 201-1.303(d) and (e):

(1) The Secretary of Homeland Security may issue FASCSA orders that apply to civilian agencies, to the extent not covered by paragraph (2) or (3) of this definition. This type of FASCSA order may be referred to as a Department of Homeland Security (DHS) FASCSA order.

(2) The Secretary of Defense may issue FASCSA orders that apply to the Department of Defense (DoD) and national security systems other than sensitive compartmented information systems. This type of FASCSA order may be referred to as a DoD FASCSA order.

(3) The Director of National Intelligence (DNI) may issue FASCSA orders that apply to the intelligence community and sensitive compartmented information systems, to the extent not covered by paragraph (2) of this definition. This type of FASCSA order may be referred to as a DNI FASCSA order.

Information technology, as defined in 40 U.S.C. 11101(6)-

(1) Means any equipment or interconnected system or subsystem of equipment, used in the automatic acquisition, storage, analysis, evaluation, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data or information by the executive agency, if the equipment is used by the executive agency directly or is used by a contractor under a contract with the executive agency that requires the use-

(i) Of that equipment; or

(ii) Of that equipment to a significant extent in the performance of a service or the furnishing of a product;

(2) Includes computers, ancillary equipment (including imaging peripherals, input, output, and storage devices necessary for security and surveillance), peripheral equipment designed to be controlled by the central processing unit of a computer, software, firmware and similar procedures, services (including support services), and related resources; but

(3) Does not include any equipment acquired by a Federal contractor incidental to a Federal contract.

Intelligence community, as defined by 50 U.S.C. 3003(4), means the following-

(1) The Office of the Director of National Intelligence;

(2) The Central Intelligence Agency;

(3) The National Security Agency;

(4) The Defense Intelligence Agency;

(5) The National Geospatial-Intelligence Agency;

(6) The National Reconnaissance Office;

(7) Other offices within the Department of Defense for the collection of specialized national intelligence through reconnaissance programs;

(8) The intelligence elements of the Army, the Navy, the Air Force, the Marine Corps, the Coast Guard, the Federal Bureau of Investigation, the Drug Enforcement Administration, and the Department of Energy;

(9) The Bureau of Intelligence and Research of the Department of State;

(10) The Office of Intelligence and Analysis of the Department of the Treasury;

(11) The Office of Intelligence and Analysis of the Department of Homeland Security; or

(12) Such other elements of any department or agency as may be designated by the President, or designated jointly by the Director of National Intelligence and the head of the department or agency concerned, as an element of the intelligence community.

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connecting a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Kaspersky Lab-covered article means any hardware, software, or service that-

(1) Is developed or provided by a Kaspersky Lab-covered entity;

(2) Includes any hardware, software, or service developed or provided in whole or in part by a Kaspersky Lab-covered entity; or

(3) Contains components using any hardware or software developed in whole or in part by a Kaspersky Lab-covered entity.

Kaspersky Lab-covered entity means-

(1) Kaspersky Lab;

(2) Any successor entity to Kaspersky Lab, including any change in name, e.g., "Kaspersky";

(3) Any entity that controls, is controlled by, or is under common control with Kaspersky Lab; or

(4) Any entity of which Kaspersky Lab has a majority ownership.

National security system, as defined in 44 U.S.C. 3552, means any information system (including any telecommunications system) used or operated by an agency or by a contractor of an agency, or other organization on behalf of an agency-

(1) The function, operation, or use of which involves intelligence activities; involves cryptologic activities related to national security; involves command and control of military forces; involves equipment that is an integral part of a weapon or weapons system; or is critical to the direct fulfillment of military or intelligence missions, but does not include a system that is to be used for routine administrative and business applications (including payroll, finance, logistics, and personnel management applications); or

(2) Is protected at all times by procedures established for information that have been specifically authorized under criteria established by an Executive order or an Act of Congress to be kept classified in the interest of national defense or foreign policy.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Sensitive compartmented information means classified information concerning or derived from intelligence sources, methods, or analytical processes, which is required to be handled within formal access control systems established by the Director of National Intelligence.

Sensitive compartmented information system means a national security system authorized to process or store sensitive compartmented information.

Source means a non-Federal supplier, or potential supplier, of products or services, at any tier.

Subsidiary means an entity in which more than 50 percent of the entity is owned directly by a parent corporation or through another subsidiary of a parent corporation.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

Unmanned aircraft means an aircraft that is operated without the possibility of direct human intervention from within or on the aircraft (49 U.S.C. 44801(11)).

Unmanned aircraft system means an unmanned aircraft and associated elements (including communication links and the components that control the unmanned aircraft) that are required for the operator to operate safely and efficiently in the national airspace system (49 U.S.C. 44801(12)).

(b) *Prohibitions on providing or using specific products or services in performance of contract*. Unless a waiver or exception applies, the Contractor is prohibited from providing any products or services to the Government or using in the performance of the contract any of the following:

(1) A covered application on any information technology owned or managed by the Government, or on any information technology used or provided by the Contractor under this contract, including equipment provided by the Contractor's employees (section 102 of Division R of the Consolidated Appropriations Act, 2023 (Pub. L. 117-328));

(2) A Kaspersky Lab-covered article (Section 1634 of Division A of the National Defense Authorization Act for Fiscal Year 2018 (Pub. L. 115-91));

(3) Covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system (paragraphs (a)(1)(A) of section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232)). This does not prohibit contractors from providing-

(i) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) Prohibition on unmanned aircraft systems manufactured or assembled by American Security Drone Act-covered foreign entities.

(1) Prohibition. The Contractor is prohibited from-

(i) Delivering any FASC-prohibited unmanned aircraft system, which includes unmanned aircraft (i.e., drones) and associated elements (sections 1823 and 1826 of American Security Drone Act of 2023, within the National Defense Authorization Act for Fiscal Year 2024, Pub. L. 118-31, Div. A, Title XVIII, Subtitle B, 41 U.S.C. 3901 note prec.);

(ii) On or after December 22, 2025, operating a FASC-prohibited unmanned aircraft system in the performance of the contract (section 1824 of Pub. L. 118-31); and

(iii) On or after December 22, 2025, using Federal funds to procure or operate a FASC-prohibited unmanned aircraft system (section 1825 of Pub. L. 118-31).

(2) *Procedures*. The Contractor shall search SAM for the FASC-maintained list of American Security Drone Act-covered foreign entities before proposing, or using in performance of the contract, any unmanned aircraft system. Also, the Contractor shall ensure any effort or expenditure associated with a FASC-prohibited unmanned aircraft system is consistent with a corresponding exemption, exception, or waiver determination expressly stated in the contract.

(3) *Exemptions, exceptions, and waivers*. The prohibitions in paragraph (c) of this clause do not apply where the agency has determined an exemption, exception, or waiver applies, and the contract indicates that such a determination has been made. See sections 1823 through 1825 and 1832 of Public Law 118-31 for statutory requirements pertaining to exemptions, exceptions, and waivers.

(d) *Prohibition on using or providing specific products or services or conducting certain transactions regardless of connection to contract*.

(1) *Certain telecommunications and video surveillance equipment, systems, or services*.

(i) Unless an applicable waiver has been issued by the Government, the Contractor cannot use any equipment, systems, or services that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system (paragraph (a)(1)(B) of section 889 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232)).

(ii) This prohibition applies to using covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract. This does not prohibit the contractor from using-

(A) A service that connects to the facilities of a third party, such as backhaul, roaming, or interconnection arrangements; or

(B) Telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) *Office of Foreign Assets Control Restrictions*.

(i) Except as authorized by the Office of Foreign Assets Control (OFAC) in the Department of the Treasury, the Contractor shall not acquire, for use in the performance of this contract, any supplies or services if any proclamation, Executive order, or statute administered by OFAC, or if OFAC's implementing regulations at 31 CFR chapter V, would prohibit such a transaction by a person subject to the jurisdiction of the United States.

(ii) Except as authorized by OFAC, most transactions involving Cuba, Iran, and Sudan are prohibited, as are most imports from Burma or North Korea, into the United States or its outlying areas.

(A) For lists of entities and individuals subject to economic sanctions, see OFAC's List of Specially Designated Nationals and Blocked Persons at https://home.treasury.gov/policy-issues/financial-sanctions/specially-designated-nationals-and-blocked-persons-list-sdn-human-readable-lists.

(B) For more information about these restrictions, as well as updates, see OFAC's regulations at 31 CFR chapter V and at https://home.treasury.gov/policy-issues/office-of-foreign-assets-control-sanctions-programs-and-information.

(C) To conduct electronic screens of potential parties to regulated transactions, see the consolidated screening list at https://www.trade.gov/consolidated-screening-list, which consolidates multiple export screening lists of the Departments of Commerce, State, and the Treasury.

(3) *Sudan prohibition*. The Contractor is prohibited from conducting any restricted business operations in Sudan in accordance with Accountability and Divestment Act of 2007 (Pub. L. 110-174).

(4) *Iran prohibitions*.

(i) Unless an exception applies according to paragraph (d)(4)(iii) or the Government grants a waiver, the contractor shall not engage in certain activities or transactions relating to Iran (section 6(b)(1)(A) of Iran Sanctions Act (50 U.S.C. 1701 note).

(ii) Unless an exception applies according to paragraph (d)(4)(iii) or the Government grants a waiver, contractor shall not export certain sensitive technology to Iran, as determined by the President, and has an active exclusion in SAM (22 U.S.C. 8515).

(iii) The prohibition in paragraphs (d)(4)(i) and (d)(4)(ii) do not apply if the acquisition is subject to trade agreements and the offeror certifies that all the offered products are designated country end products or designated country construction material (see part 25).

(iv) Unless an exception applies or the Government grants a waiver, contractors are prohibited from knowingly engaging in any significant transaction (i.e., over $15,000) with Iran's Revolutionary Guard Corps or any of its officials, agents, or affiliates, the property and interests in property of which are blocked according to the International Emergency Economic Powers Act (section 6(b)(1)(B) of Iran Sanctions Act (50 U.S.C. 1701 note)).

(e) *Governmentwide exclusion and removal orders*.

(1) Contractors are prohibited from providing or using as part of the performance of the contract any covered article, or any products or services produced or provided by a source, if the covered article or the source is prohibited by any applicable FASCSA orders identified by the checkbox(es) in this paragraph (e)(1). [*Contracting Officer must select either "yes" or "no" for each of the following types of FASCSA orders*:]
Yes __ No __ DHS FASCSA Order
Yes __ No __ DoD FASCSA Order
Yes __ No __ DNI FASCSA Order

(2) The Contractor shall search for the phrase "FASCSA order" in the System for Award Management (SAM) at https://www.sam.gov to locate applicable FASCSA orders.

(3) The Government may identify in the solicitation other FASCSA orders that are not in SAM, which are effective and apply to the solicitation and resulting contract.

(4) A FASCSA order issued after the date of solicitation applies to this contract only if added by an amendment to the solicitation or modification to the contract (see FAR 40.204-1(c)).

(f) *Reasonable inquiry*. The contractor shall conduct a reasonable inquiry to determine if there are any prohibited products or services. The inquiry will look at any information in the entity's possession but does not need to include an internal or third-party audit.

(g) *Removal of prohibited products and services*. For Federal Supply Schedules, Governmentwide acquisition contracts, multi-agency contracts or any other procurement instrument intended for use by multiple agencies, upon notification from the Contracting Officer, during the performance of the contract, the Contractor shall promptly make any necessary changes or modifications to remove any product or service produced or provided by a source that this clause prohibits.

(h) *General report*.

(1) If the Contractor identifies or is notified by any source, (including a subcontractor at any tier), that any product or service provided or used (or to be provided or used) during contract performance does not comply with any prohibition in this clause, then the Contractor shall report the following information, or as much information is known, in writing to the contracting office as identified in paragraph (h)(2) within 72 hours:

(i) Contract number and order number, if applicable;

(ii) The specific prohibition the product or service is not complying with;

(iii) A description of the products or services that the Contractor identifies or has reason to suspect is prohibited (include brand; model number, such as the original equipment manufacturer (OEM) number, manufacturer part number, or wholesaler number; and item description, as applicable);

(iv) The entity that produced the product or service (include entity name, unique entity identifier, Contractor and Government Entity (CAGE) code, facilities responsible for design, fabrication, assembly, packaging, and test of the product, and whether the entity was the OEM or a distributor (provide manufacturer codes and distributor codes used for the product));

(v) Description of the functionality of the product or service and how that functionality impacts the risk to the product or service;

(vi) An explanation of any factors relevant to determining if the product or service should be permitted by an applicable exception, exemption, or waiver (if the contractor would like the Government to consider a waiver, and asks for such a waiver);

(vii) Whether alternative products or services are available that would comply with the prohibition;

(viii) If the product or service is related to item maintenance, include the following information on the item being maintained:

(A) Brand;

(B) Model number, OEM number, manufacturer part number, or wholesaler number; and

(C) Item description, as applicable.

(ix) Any readily available information about mitigation actions implemented or recommended.

(2) If a report must be submitted to a contracting office, the Contractor shall submit the report as follows:

(i) If a Department of Defense contracting office, the Contractor shall report to the website at https://dibnet.dod.mil.

(ii) For all other contracting offices, the Contractor shall report to the Contracting Officer.

(iii) For indefinite delivery contracts, the Contractor shall report to both the contracting office for the indefinite delivery contract and the contracting office for any affected order.

(3) If the report provided does not contain any of the information required by paragraph (h)(1) of this clause, and the contractor later discovers new information that is required by paragraph (h)(1) of this clause, then the contractor shall submit a subsequent report within 72 hours of discovering the new information.

(4) The contractor shall also report the information in paragraph (h)(1) if the contractor wishes to ask for a waiver of the requirements of a new FASCSA order being applied through modification.

(i) *New FASCSA orders report.*

(1) During contract performance, the Contractor shall review SAM at least once every three months, or as advised by the Contracting Officer, to check for covered articles subject to FASCSA order(s), or for products or services produced by a source subject to FASCSA order(s) not currently identified under paragraph (e) of this clause.

(2) If the Contractor identifies a new FASCSA order(s) that could impact their supply chain, then the Contractor shall conduct a reasonable inquiry to identify whether a covered article or product or service produced or provided by a source subject to the FASCSA order(s) was provided to the Government or used during contract performance. The inquiry will look at any information in the entity's possession but does not need to include an internal or third-party audit.

(3) The Contractor shall submit a report to the contracting office identified in paragraph (h)(2) of this clause if the Contractor identifies, including through any notification by a subcontractor at any tier, that a covered article or product or service produced or provided by a source was provided to the Government or used during contract performance and is subject to a FASCSA order(s). For indefinite delivery contracts, the Contractor shall report to both the contracting office for the indefinite delivery contract and the contracting office for any affected order. The Contractor shall report the following information within 72 hours for each covered article or each product or service produced or provided by a source, where the covered article or source is subject to a FASCSA order:

(i) Contract number and order number, if applicable;

(ii) Name of the covered article or source subject to a FASCSA order;

(iii) The specific FASCSA order the product or service does not comply with;

(iv) The elements of (h)(1)(iii) through (ix) of this clause.

(j) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (j) but excluding subparagraphs (d)(1) and (i)(1), in all subcontracts and other contractual instruments, including subcontracts for acquiring commercial products or commercial services.

(End of clause)

52.252-6 Authorized Deviations in Clauses (Nov 2020)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any VA Acquisition Regulation (VAAR). [*insert regulation name*] (48 CFR Chapter 8) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

852.219-75 (DEV) VA NOTICE OF LIMITATIONS ON SUBCONTRACTING-CERTIFICATE OF COMPLIANCE FOR SERVICES AND CONSTRUCTION (NOV 2022) (DEVIATION JAN 2023)

(a) Pursuant to 38 U.S.C. 8127(l)(2), the offeror certifies that-

(1) If awarded a contract (see FAR 2.101 definition), it will comply with the limitations on subcontracting requirement as provided in the solicitation and the resultant contract, as follows: [*Contracting Officer check the appropriate box below based on the predominant NAICS code assigned to the instant acquisition as set forth in FAR 19.102.*]

(i) X *Services.* In the case of a contract for services (except construction), the contractor will not pay more than 50% of the amount paid by the government to it to firms that are not certified SDVOSBs listed in the SBA certification database as set forth in 852.219-73 or certified VOSBs listed in the SBA certification database as set forth in 852.219-74. Any work that a similarly situated certified SDVOSB/VOSB subcontractor further subcontracts will count towards the 50% subcontract amount that cannot be

exceeded. Other direct costs may be excluded to the extent they are not the principal purpose of the acquisition and small business concerns do not provide the service as set forth in 13 CFR 125.6.

(ii) __ *General construction.* In the case of a contract for general construction, the contractor will not pay more than 85% of the amount paid by the government to it to firms that are not certified SDVOSBs listed in the SBA certification database as set forth in 852.219-73 or certified VOSBs listed in the SBA certification database as set forth in 852.219-74. Any work that a similarly situated certified SDVOSB/VOSB subcontractor further subcontracts will count towards the 85% subcontract amount that cannot be exceeded. Cost of materials are excluded and not considered to be subcontracted.

(iii) __ Special trade construction contractors. In the case of a contract for special trade contractors, the contractor will not pay more than 75% of the amount paid by the government to it to firms that are not certified SDVOSBs listed in the SBA certification database as set forth in 852.219-73 or certified VOSBs listed in the SBA certification database as set forth in 852.219-74. Any work that a similarly situated certified SDVOSB/VOSB subcontractor further subcontracts will count towards the 75% subcontract amount that cannot be exceeded. Cost of materials are excluded and not considered to be subcontracted.

(2) The offeror acknowledges that this certification concerns a matter within the jurisdiction of an Agency of the United States. The offeror further acknowledges that this certification is subject to Title 18, United States Code, Section 1001, and, as such, a false, fictitious, or fraudulent certification may render the offeror subject to criminal, civil, or administrative penalties, including prosecution.

(3) If VA determines that an SDVOSB/VOSB awarded a contract pursuant to 38 U.S.C. 8127 did not act in good faith, such SDVOSB/VOSB shall be subject to any or all of the following:

(i) Referral to the VA Suspension and Debarment Committee;

(ii) A fine under section 16(g)(1) of the Small Business Act (15 U.S.C. 645(g)(1)); and

(iii) Prosecution for violating 18 U.S.C. 1001.

(b) The offeror represents and understands that by submission of its offer and award of a contract it may be required to provide copies of documents or records to VA that VA may review to determine whether the offeror complied with the limitations on subcontracting requirement specified in the contract. Contracting officers may, at their discretion, require the contractor to demonstrate its compliance with the limitations on subcontracting at any time during performance and upon completion of a contract if the information regarding such compliance is not already available to the contracting officer. Evidence of compliance includes, but is not limited to, invoices, copies of subcontracts, or a list of the value of tasks performed.

(c) The offeror further agrees to cooperate fully and make available any documents or records as may be required to enable VA to determine compliance with the limitations on subcontracting requirement. The offeror understands that failure to provide documents as requested by VA may result in remedial action as the Government deems appropriate.

(d) Offeror completed certification/fill-in required. The formal certification must be completed, signed and returned with the offeror's bid, quotation, or proposal. The Government will not consider offers for award from offerors that do not provide the certification, and all such responses will be deemed ineligible for evaluation and award.

Certification:

I hereby certify that if awarded the contract, _____ will comply with the limitations on subcontracting specified in this clause and in the resultant contract. I further certify that I am authorized to execute this certification on behalf of _____ .

Printed Name of Signee: _____

Printed Title of Signee: _____

Signature: _____

Date: _____

Company Name and Address: _____
_____

(End of clause)

Section 3 - Documents, Exhibits, or Attachments

Title	Dates	Number of Pages
MIRAMAR NC PriceSched.xlsx	05/17/2026	
PAST PERFORMANCE QUESTIONNAIRE_36C78626R50138.docx	06/08/2026	

"General Decision Number: CA20260001 05/18/2026

State: California

Construction Types: Building, Heavy, Highway and Residential

Counties: California Counties of
San Diego

Building Construction Projects
Dredging Projects-Includes Dredging Projects (does not include hopper dredge work)
Heavy Construction Projects (excludes water well drilling)
Highway Construction Projects
Residential Construction Projects (Consisting of single family homes and apartments up to and including 4 stories).

Modification Number	Publication Date
2	01/23/2026
3	05/18/2026

ASBE0005-002 07/01/2024

	Rates	Fringes
ASBESTOS WORKERS/INSULATOR (INCLUDES THE APPLICATION OF ALL INSULATING MATERIALS, PROTECTIVE COVERINGS, COATINGS, AND FINISHES TO ALL TYPES OF MECHANICAL SYSTEMS)	$ 56.32	26.52
FIRE STOP TECHNICIAN (APPLICATION OF FIRESTOPPING MATERIALS FOR WALL OPENINGS AND PENETRATIONS IN WALLS, FLOORS, CEILINGS AND CURTAIN WALLS)	$ 39.94	20.65

ASBE0005-002 09/01/2024

	Rates	Fringes
ASBESTOS WORKERS/INSULATOR (INCLUDES THE APPLICATION OF ALL INSULATING MATERIALS, PROTECTIVE COVERINGS, COATINGS, AND FINISHES TO ALL TYPES OF MECHANICAL SYSTEMS)	$ 56.32	26.52
FIRE STOP TECHNICIAN (APPLICATION OF FIRESTOPPING MATERIALS FOR WALL OPENINGS AND PENETRATIONS IN WALLS, FLOORS, CEILINGS AND CURTAIN WALLS)	$ 39.94	20.65

ASBE0005-004 07/04/2022

	Rates	Fringes
ASBESTOS REMOVAL WORKER/HAZARDOUS MATERIAL HANDLER (INCLUDES PREPARATION, WETTING, STRIPPING, REMOVAL, SCRAPPING, VACUUMING, BAGGING AND DISPOSING OF ALL INSULATION MATERIALS FROM MECHANICAL SYSTEMS, WHETHER THEY CONTAIN ASBESTOS OR NOT)	$ 23.52	13.37

BOIL0092-003 01/01/2024

	Rates	Fringes
BOILERMAKER	$ 51.98	42.11

BRCA0004-008 11/01/2023

	Rates	Fringes
BRICKLAYER; MARBLE SETTER	$ 46.73	19.02

BRCA0018-004 06/01/2024

	Rates	Fringes
TILE LAYER	$ 51.82	19.32

TILE FINISHER.....$ 37.96 13.77
MARBLE FINISHER.....$ 43.38 15.36

BRCA0018-010 09/01/2024

	Rates	Fringes
TERRAZZO WORKER/SETTER	$ 49.62	15.26
TERRAZZO FINISHER	$ 42.11	14.67

CARP0213-003 07/01/2021

	Rates	Fringes
DRYWALL: DRYWALL STOCKER/SCRAPPER ((1) WORK ON WOOD FRAMED CONSTRUCTION OF SINGLE FAMILY RESIDENCES, APARTMENTS OR CONDOMINIUMS UNDER FOUR STORIES)	$ 22.16	8.62
DRYWALL: DRYWALL INSTALLER/LATHER ((1) WORK ON WOOD FRAMED CONSTRUCTION OF SINGLE FAMILY RESIDENCES, APARTMENTS OR CONDOMINIUMS UNDER FOUR STORIES)	$ 32.14	16.28

CARP0619-002 07/01/2025

	Rates	Fringes
DRYWALL: DRYWALL STOCKER/SCRAPPER (2) ALL OTHER WORK	$ 21.45	12.18
DRYWALL: DRYWALL INSTALLER/LATHER (2) ALL OTHER WORK	$ 44.53	27.09

CARP0619-003 07/01/2025

	Rates	Fringes
PILEDRIVERMAN	$ 52.37	26.18
CARPENTER: (5) RESIDENTIAL INSULATION INSTALLER	$ 24.16	15.76
CARPENTER: (4) RESIDENTIAL CARPENTER	$ 39.15	26.18
CARPENTER: (3) HEAVY & HIGHWAY	$ 51.40	16.28
CARPENTER: (2) COMMERCIAL BUILDING	$ 48.94	26.18
CARPENTER: (1) BRIDGE	$ 52.37	26.18

CARP0619-004 07/01/2025

	Rates	Fringes
DIVER: (4) ASSISTANT TENDER AMOUNTS IN ""RATES' COLUMN ARE PER DAY	$ 418.96	26.18
DIVER: (3) TENDER AMOUNTS IN ""RATES' COLUMN ARE PER DAY	$ 442.96	26.18
DIVER: (2) STANDBY AMOUNTS IN ""RATES' COLUMN ARE PER DAY	$ 450.96	26.18
DIVER: (1) WET AMOUNTS IN ""RATES' COLUMN ARE PER DAY	$ 901.92	26.18

CARP0721-001 07/01/2025

	Rates	Fringes
MODULAR FURNITURE INSTALLER	$ 25.00	13.06

CARP1607-004 07/01/2025

	Rates	Fringes
MILLWRIGHT	$ 52.24	26.68

ELEC0569-001 06/02/2025

	Rates	Fringes
ELECTRICIAN: (ALL OTHER WORK, INCLUDING 4 STORIES RESIDENTIAL)	$ 58.95	18.85
ELECTRICIAN: (TUNNEL WORK) CABLE SPLICER	$ 67.16	19.09
ELECTRICIAN: (ALL OTHER WORK, INCLUDING 4 STORIES RESIDENTIAL) CABLE SPLICER	$ 59.70	18.87
ELECTRICIAN: (TUNNEL WORK)	$ 66.32	19.07

ELEC0569-004 06/03/2024

	Rates	Fringes
ELECTRICIAN: SOUND & COMMUNICATIONS SOUND		

TECHNICIAN SCOPE OF WORK: ASSEMBLY, INSTALLATION, OPERATION, SERVICE AND MAINTENANCE OF COMPONENTS OR SYSTEMS AS USED IN CLOSED CIRCUIT TELEVISION, AMPLIFIED MASTER TELEVISION DISTRIBUTION, CATV ON PRIVATE PROPERTY, INTERCOMMUNICATION, BURGLAR ALARM, FIRE ALARM, LIFE SUPPORT AND ALL SECURITY ALARMS, PRIVATE AND PUBLIC TELEPHONE AND RELATED TELEPHONE INTERCONNECT, PUBLIC ADDRESS, PAGING, AUDIO, LANGUAGE, ELECTRONIC, BACKGROUND MUSIC SYSTEM LESS THAN LINE VOLTAGE OR ANY SYSTEM ACCEPTABLE FOR CLASS TWO WIRING FOR PRIVATE, COMMERCIAL, OR INDUSTRIAL USE FURNISHED BY LEASED WIRE, FREUENCY MODULATION OR OTHER RECORDING DEVICES, ELECTRICAL APPARATUS BY MEANS OF WHICH ELECTRICITY IS APPLIED TO THE AMPLIFICATION, TRANSMISSION, TRANSFERENCE, RECORDING OR REPRODUCTION OF VOICE, MUSIC, SOUND, IMPULSES AND VIDEO. EXCLUDED FROM THIS SCOPE OF WORK - TRANSMISSION, SERVICE AND MAINTENANCE OF BACKGROUND MUSIC. ALL OF THE ABOVE SHALL INCLUDE THE INSTALLATION AND TRANSMISSION OVER FIBER OPTICS.....$ 43.78 15.39

ELEC0569-005 06/03/2024

	Rates	Fringes
SOUND & COMMUNICATIONS: SOUND TECHNICIAN TERMINATING, OPERATING AND PERFORMING FINAL CHECK-OUT SCOPE OF WORK: ASSEMBLY, INSTALLATION, OPERATION, SERVICE AND MAINTENANCE OF COMPONENTS OR SYSTEMS AS USED IN CLOSED CIRCUIT TELEVISION, AMPLIFIED MASTER TELEVISION DISTRIBUTION, CATV ON PRIVATE PROPERTY, INTERCOMMUNICATION, BURGLAR ALARM, FIRE ALARM, LIFE SUPPORT AND ALL SECURITY ALARMS, PRIVATE AND PUBLIC TELEPHONE AND RELATED TELEPHONE INTERCONNECT, PUBLIC ADDRESS, PAGING, AUDIO, LANGUAGE, ELECTRONIC, BACKGROUND MUSIC SYSTEM LESS THAN LINE VOLTAGE OR ANY SYSTEM ACCEPTABLE FOR CLASS TWO WIRING FOR PRIVATE, COMMERCIAL, OR INDUSTRIAL USE FURNISHED BY LEASED WIRE, FREUENCY MODULATION OR OTHER RECORDING DEVICES, ELECTRICAL APPARATUS BY MEANS OF WHICH ELECTRICITY IS APPLIED TO THE AMPLIFICATION, TRANSMISSION, TRANSFERENCE, RECORDING OR REPRODUCTION OF VOICE, MUSIC, SOUND, IMPULSES AND VIDEO. EXCLUDED FROM THIS SCOPE OF WORK - TRANSMISSION, SERVICE AND MAINTENANCE OF BACKGROUND MUSIC. ALL OF THE ABOVE SHALL INCLUDE THE INSTALLATION AND TRANSMISSION OVER FIBER OPTICS.....$ 43.78	15.39

ELEC0569-006 06/02/2025

	Rates	Fringes
TRAFFIC SIGNAL, STREET LIGHT AND UNDERGROUND WORK: UTILITY TECHNICIAN #2 WORK ON STREET LIGHTING; TRAFFIC SIGNALS; AND UNDERGROUND SYSTEMS AND/OR ESTABLISHED EASEMENTS OUTSIDE OF BUILDINGS STREET LIGHT & TRAFFIC SIGNAL WORK: UTILITY TECHNICIAN #2: DISTRIBUTION OF MATERIAL AT JOBSITE, INSTALLATION OF UNDERGROUND DUCTS FOR ELECTRICAL, TELEPHONE, CABLE TV LAND COMMUNICATION SYSTEMS. THE SETTING, LEVELING, GROUNDING AND RACKING OF PRECAST MANHOLES, HANDHOLES AND TRANSFORMER PADS.....$ 33.10	14.09
TRAFFIC SIGNAL, STREET LIGHT AND UNDERGROUND WORK: UTILITY TECHNICIAN #1 WORK ON STREET LIGHTING; TRAFFIC SIGNALS; AND UNDERGROUND SYSTEMS AND/OR ESTABLISHED EASEMENTS OUTSIDE OF BUILDINGS STREET LIGHT & TRAFFIC SIGNAL WORK: UTILITY TECHNICIAN #1: INSTALLATION OF STREET LIGHTS AND TRAFFIC SIGNALS, INCLUDING ELECTRICAL CIRCUITRY, PROGRAMMABLE CONTROLLER, PEDESTAL-MOUNTED ELECTRICAL METER ENCLOSURES AND LAYING OF PRE-ASSEMBLED CABLE IN DUCTS. THE LAYOUT OF		

ELECTRICAL SYSTEMS AND COMMUNICATION INSTALLATION
INCLUDING PROPER POSITION OF TRENCH DEPTHS, AND
RADIUS AT DUCT BANKS, LOCATION FOR MANHOLES, STREET
LIGHTS AND TRAFFIC SIGNALS.....$ 43.62 14.41

ELEC0569-008 06/01/2024

	Rates	Fringes
ELECTRICIAN (RESIDENTIAL, 1-3 STORIES).....	$ 40.50	8.18

ELEC1245-001 01/01/2025

	Rates	Fringes
LINE CONSTRUCTION: (4) POWDERMAN HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY.....	$ 51.87	18.79
LINE CONSTRUCTION: (3) GROUNDMAN HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY.....	$ 40.76	21.76
LINE CONSTRUCTION: (2) EQUIPMENT SPECIALIST (OPERATES CRAWLER TRACTORS, COMMERCIAL MOTOR VEHICLES, BACKHOES, TRENCHERS, CRANES (50 TONS AND BELOW), OVERHEAD & UNDERGROUND DISTRIBUTION LINE EQUIPMENT) HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY.....	$ 53.30	22.26
LINE CONSTRUCTION: (1) LINEMAN; CABLE SPLICER HOLIDAYS: NEW YEAR'S DAY, M.L. KING DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY AND DAY AFTER THANKSGIVING, CHRISTMAS DAY.....	$ 70.16	24.71

ELEV0018-001 01/01/2025

	Rates	Fringes
ELEVATOR MECHANIC FOOTNOTE: A. PAID VACATION: EMPLOYER CONTRIBUTES 8% OF REGULAR HOURLY RATE AS VACATION PAY CREDIT FOR EMPLOYEES WITH MORE THAN 5 YEARS OF SERVICE, AND 6% FOR 6 MONTHS TO 5 YEARS OF SERVICE. B. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING, AND CHRISTMAS DAY.....	$ 69.43	38.44

ENGI0012-004 08/01/2025

	Rates	Fringes
OPERATOR: POWER EQUIPMENT: (6) BARGE MATE (DREDGING).....	$ 61.34	40.95
OPERATOR: POWER EQUIPMENT: (5) FIREMAN-OILER, DECKHAND, BARGEMAN, LEVEEHAND (DREDGING).....	$ 60.73	40.95
OPERATOR: POWER EQUIPMENT: (4) WINCH OPERATOR (STERN WINCH ON DREDGE) (DREDGING).....	$ 61.27	40.95
OPERATOR: POWER EQUIPMENT: (3) DECKMATE (DREDGING)..	$ 61.82	40.95
OPERATOR: POWER EQUIPMENT: (2) DREDGE DOZER (DREDGING).....	$ 61.93	40.95
OPERATOR: POWER EQUIPMENT: (1) LEVERMAN (DREDGING)..	$ 67.90	40.95

ENGI0012-024 07/01/2025

	Rates	Fringes
OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 7- Tunnel mole boring machine operator PREMIUM PAY: $10.00 per hour shall be paid on all Power Equipment Operator work on the followng Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base		

Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton Workers required to suit up and work in a hazardous material environment: $2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.....$ 66.91 33.20

OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 6- Heavy Duty Repairman PREMIUM PAY: $10.00 per hour shall be paid on all Power Equipment Operator work on the followng Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton Workers required to suit up and work in a hazardous material environment: $2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.....$ 66.79 33.20

OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 5- Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons) PREMIUM PAY: $10.00 per hour shall be paid on all Power Equipment Operator work on the followng Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton Workers required to suit up and work in a hazardous material environment: $2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.....$ 66.68 33.20

OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 4- Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons) PREMIUM PAY: $10.00 per hour shall be paid on all Power Equipment Operator work on the followng Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton Workers required to suit up and work in a hazardous material environment: $2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.....$ 66.46 33.20

OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 3- Dinkey locomotive or motorperson (up to and including 10 tons) PREMIUM PAY: $10.00 per hour shall be paid on all Power Equipment Operator work on the followng Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton Workers required to suit up and work in a hazardous material environment: $2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer

operator.....$ 66.32 33.20
OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 2-
Power-driven jumbo form setter operator PREMIUM
PAY: $10.00 per hour shall be paid on all Power
Equipment Operator work on the followng Military
Bases: China Lake Naval Reserve, Vandenberg AFB,
Point Arguello, Seely Naval Base, Fort Irwin, Nebo
Annex Marine Base, Marine Corp Logistics Base
Yermo, Edwards AFB, 29 Palms Marine Base and Camp
Pendleton Workers required to suit up and work in
a hazardous material environment: $2.00 per hour
additional. Combination mixer and compressor
operator on gunite work shall be classified as a
concrete mobile mixer operator.....$ 66.03 33.20
OPERATOR: POWER EQUIPMENT, TUNNEL WORK: GROUP 1-
Skiploader (wheel type up to 3/4 yd. without
attachment) PREMIUM PAY: $10.00 per hour shall be
paid on all Power Equipment Operator work on the
followng Military Bases: China Lake Naval Reserve,
Vandenberg AFB, Point Arguello, Seely Naval Base,
Fort Irwin, Nebo Annex Marine Base, Marine Corp
Logistics Base Yermo, Edwards AFB, 29 Palms Marine
Base and Camp Pendleton Workers required to suit
up and work in a hazardous material environment:
$2.00 per hour additional. Combination mixer and
compressor operator on gunite work shall be
classified as a concrete mobile mixer operator.....$ 65.25 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 13- Crane operator (over 300 tons);
Derrick barge operator (over 300 tons); Helicopter
pilot; Hoist operator, stiff legs, Guy derrick or
similar type (over 300 tons); Mobile tower crane
operator (over 300 tons).....$ 70.75 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 12- Crane operator (over 200 tons
up to and including 300 tons mrc); Derrick barge
operator (over 200 tons up to and including 300
tons mrc); Hoist operator, stiff legs, Guy derrick
or similar type (over 200 tons, up to and including
300 tons mrc); Mobile tower crane operator (over
200 tons, up to and including 300 tons mrc)
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 69.75 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 11- Crane operator (over 100 tons
and up to and including 200 tons mrc); Derrick
barge operator (over 100 tons up to and including
200 tons mrc); Hoist operator, stiff legs, Guy
derrick or similar type (over 100 tons up to and
including 200 tons mrc); Mobile tower crane
operator (over 100 tons up to and including 200
tons mrc) ; Tower crane operator and tower gantry
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 68.75 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &

HOISTING: GROUP 10- Crane operator (over 50 tons
and up to and including 100 tons mrc); Derrick
barge operator (over 50 tons up to and including
100 tons mrc); Hoist operator, stiff legs, Guy
derrick or similar type (over 50 tons up to and
including 100 tons mrc), Mobile tower crane
operator (over 50 tons, up to and including 100
tons M.R.C.) PREMIUM PAY: $10.00 PER HOUR SHALL
BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.75 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 9- Crane operator (over 25 tons
and up to and including 50 tons mrc); Derrick barge
operator (over 25 tons up to and including 50 tons
mrc); Highline cableway operator; Hoist operator,
stiff legs, Guy derrick or similar type (over 25
tons up to and including 50 tons mrc); K-crane
operator; Polar crane operator; Self erecting tower
crane operator maximum lifting capacity ten tons
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.75 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 8- Crane operator (up to and
including 25 ton capacity); Crawler transporter
operator; Derrick barge operator (up to and
including 25 ton capacity); Hoist operator, stiff
legs, Guy derrick or similar type (up to and
including 25 ton capacity); Shovel, backhoe,
dragline, clamshell operator (over 7 cu. yds.,
M.R.C.) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.58 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 7- PEDESTAL CRANE OPERATOR;
SHOVEL, BACKHOE, DRAGLINE, CLAMSHELL OPERATOR (OVER
5 CU. YDS. MRC); TOWER CRANE REPAIR; TUGGER HOIST
OPERATOR (3 DRUM) PREMIUM PAY: $10.00 PER HOUR
SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK
ON THE FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL
RESERVE, VANDENBERG AFB, POINT ARGUELLO, SEELY
NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE,
MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29
PALMS MARINE BASE AND CAMP PENDLETON WORKERS
REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 66.41 33.20

OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 6- Bridge crane operator; Cretor
crane operator; Hoist operator (Chicago boom and
similar type); Lift mobile operator; Lift slab
machine operator (Vagtborg and similar types);
Material hoist and/or manlift operator; Polar
gantry crane operator; Self Climbing scaffold (or
similar type); Shovel, backhoe, dragline, clamshell
operator (over 3/4 yd. and up to 5 cu. yds. mrc);
Tugger hoist operator PREMIUM PAY: $10.00 PER
HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR
WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE
NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 66.29 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 5- HYDRAULIC BOOM TRUCK; STINGER
CRANE (AUSTIN-WESTERN OR SIMILAR TYPE); TUGGER
HOIST OPERATOR (1 DRUM) PREMIUM PAY: $10.00 PER
HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR
WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE
NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 66.18 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 4- Bridge-type unloader and
turntable operator; Helicopter hoist operator
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 65.96 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 3- A-frame or winch truck
operator; Ross carrier operator (jobsite)
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 65.82 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 2- Truck crane oiler PREMIUM PAY:
 $10.00 PER HOUR SHALL BE PAID ON ALL POWER
EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY
BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB,
POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO
ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE
YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP
PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK

IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR
ADDITIONAL. COMBINATION MIXER AND COMPRESSOR
OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A
CONCRETE MOBILE MIXER OPERATOR.....$ 65.53 33.20
OPERATOR: POWER EQUIPMENT, CRANES, PILEDRIVING &
HOISTING: GROUP 1- Engineer oiler; Fork lift
operator (includes loed, lull or similar types)
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.
.....$ 64.75 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
25- CONCRETE PUMP OPERATOR-TRUCK MOUNTED;
RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING EQUIPMENT WITH THE TANDEM PUSH-PULL
SYSTEM (MULTIPLE ENGINE, EUCLID, CATERPILLAR AND
SIMILAR TYPE, OVER 50 CU. YDS. STRUCK); SPYDER
EXCAVATOR OPERATOR, WITH ALL ATTACHMENTS
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR. $ 68.08 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
24- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING EQUIPMENT WITH THE TANDEM PUSH-PULL
SYSTEM (SINGLE ENGINE, OVER 50 YDS. STRUCK);
RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING EQUIPMENT WITH THE TANDEM PUSH-PULL
SYSTEM (MULTIPLE ENGINE, EUCLID, CATERPILLAR AND
SIMILAR, OVER 25 YDS. AND UP TO 50 YDS. STRUCK)
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.91 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
23- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING EQUIPMENT WITH THE TANDEM PUSH-PULL
SYSTEM (SINGLE ENGINE, CATERPILLAR, EUCLID, ATHEY
WAGON AND SIMILAR TYPES WITH ANY AND ALL
ATTACHMENTS OVER 25 YDS. AND UP TO AND INCLUDING 50
YDS. STRUCK); RUBBER-TIRED EARTH-MOVING EQUIPMENT
OPERATOR, OPERATING WITH THE TANDEM PUSH-PULL
SYSTEM (MULTIPLE ENGINE, UP TO AND INCLUDING 25
YDS. STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL
BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:

$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.79 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
22- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING EQUIPMENT WITH THE TANDEM PUSH-PULL
SYSTEM (SINGLE ENGINE, UP TO AND INCLUDING 25 YDS.
STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.68 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
21- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING IN TANDEM (SCRAPERS, BELLY DUMPS AND
SIMILAR TYPES IN ANY COMBINATION, EXCLUDING
COMPACTION UNITS - MULTIPLE ENGINE, EUCLID,
CATERPILLAR AND SIMILAR TYPE, OVER 50 CU. YDS.
STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.58 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
20- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR,
OPERATING IN TANDEM (SCRAPERS, BELLY DUMPS AND
SIMILAR TYPES IN ANY COMBINATION, EXCLUDING
COMPACTION UNITS - SINGLE ENGINE, OVER 50 YDS.
STRUCK); RUBBER-TIRED EARTH-MOVING EQUIPMENT
OPERATOR, OPERATING IN TANDEM (SCRAPERS, BELLY
DUMPS, AND SIMILAR TYPES IN ANY COMBINATION,
EXCLUDING COMPACTION UNITS - MULTIPLE ENGINE,
EUCLID, CATERPILLAR AND SIMILAR, OVER 25 YDS. AND
UP TO 50 YDS. STRUCK) PREMIUM PAY: $10.00 PER
HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR
WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE
NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 67.41 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
19- ROTEX CONCRETE BELT OPERATOR (OR SIMILAR
TYPES); RUBBER-TIRED EARTH-MOVING EQUIPMENT
OPERATOR, OPERATING IN TANDEM (SCRAPERS, BELLY
DUMPS AND SIMILAR TYPES IN ANY COMBINATION,
EXCLUDING COMPACTION UNITS - SINGLE ENGINE,
CATERPILLAR, EUCLID, ATHEY WAGON AND SIMILAR TYPES
WITH ANY AND ALL ATTACHMENTS OVER 25 YDS.AND UP TO
AND INCLUDING 50 CU. YDS. STRUCK); RUBBER-TIRED
EARTH-MOVING EQUIPMENT OPERATOR, OPERATING IN
TANDEM (SCRAPERS, BELLY DUMPS AND SIMILAR TYPES IN
ANY COMBINATION, EXCLUDING COMPACTION UNITS -
MULTIPLE ENGINE, UP TO AND INCLUDING 25 YDS.
STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,

VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.29 33.20

OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP 18- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING IN TANDEM (SCRAPERS, BELLY DUMPS AND SIMILAR TYPES IN ANY COMBINATION, EXCLUDING COMPACTION UNITS - SINGLE ENGINE, UP TO AND INCLUDING 25 YDS. STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.18 33.20

OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP 17- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (MULTIPLE ENGINE, EUCLID, CATERPILLAR AND SIMILAR, OVER 50 CU. YDS. STRUCK); TANDEM TRACTOR OPERATOR (OPERATING CRAWLER TYPE TRACTORS IN TANDEM - QUAD 9 AND SIMILAR TYPE) PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 67.08 33.20

OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP 16- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (SINGLE ENGINE, OVER 50 YDS. STRUCK); RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (MULTIPLE ENGINE, EUCLID, CATERPILLAR AND SIMILAR, OVER 25 YDS. AND UP TO 50 YDS. STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.91 33.20

OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP 15- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (SINGLE ENGINE, CATERPILLAR, EUCLID, ATHEY WAGON AND SIMILAR TYPES WITH ANY AND ALL ATTACHMENTS OVER 25 YDS. AND UP TO AND INCLUDING 50 YDS. STRUCK); RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR, OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (MULTIPLE ENGINE-UP TO AND INCLUDING 25 YDS. STRUCK) PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY

BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB,
POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO
ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE
YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP
PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK
IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR
ADDITIONAL. COMBINATION MIXER AND COMPRESSOR
OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A
CONCRETE MOBILE MIXER OPERATOR.....$ 66.79 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
14- CANAL LINER OPERATOR; CANAL TRIMMER OPERATOR;
REMOTE- CONTROL EARTH-MOVING EQUIPMENT OPERATOR
(OPERATING A SECOND PIECE OF EQUIPMENT: $1.00 PER
HOUR ADDITIONAL); WHEEL EXCAVATOR OPERATOR (OVER
750 CU. YDS.) PREMIUM PAY: $10.00 PER HOUR SHALL
BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.71 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
13- RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR
OPERATING EQUIPMENT WITH PUSH-PULL SYSTEM (SINGLE
ENGINE, UP TO AND INCLUDING 25 YDS. STRUCK)
PREMIUM PAY: $10.00 PER HOUR SHALL BE PAID ON ALL
POWER EQUIPMENT OPERATOR WORK ON THE FOLLOWNG
MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.68 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
12- AUTO GRADER OPERATOR; AUTOMATIC SLIP FORM
OPERATOR; DRILLING MACHINE OPERATOR, BUCKET OR
AUGER TYPES (CALWELD, AUGER 200 CA OR SIMILAR TYPES
- WATSON, AUGER 6000 OR SIMILAR TYPES - HUGHES
SUPER DUTY, AUGER 200 OR SIMILAR TYPES - DRILLING
DEPTH OF 175' MAXIMUM); HOE RAM OR SIMILAR WITH
COMPRESSOR; MASS EXCAVATOR OPERATOR LESS THA 750
CU. YARDS; MECHANICAL FINISHING MACHINE OPERATOR;
MOBILE FORM TRAVELER OPERATOR; MOTOR PATROL
OPERATOR (MULTI-ENGINE); PIPE MOBILE MACHINE
OPERATOR; RUBBER-TIRED EARTH- MOVING EQUIPMENT
OPERATOR (MULTIPLE ENGINE, EUCLID, CATERPILLAR AND
SIMILAR TYPE, OVER 50 CU. YDS. STRUCK);
RUBBER-TIRED SELF- LOADING SCRAPER OPERATOR
(PADDLE-WHEEL-AUGER TYPE SELF-LOADING - TWO (2) OR
MORE UNITS) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.58 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
10- DRILLING MACHINE OPERATOR, BUCKET OR AUGER
TYPES (CALWELD 200 B BUCKET OR SIMILAR TYPES-WATSON
3000 OR 5000 AUGER OR SIMILAR TYPES-TEXOMA 900
AUGER OR SIMILAR TYPES-DRILLING DEPTH OF 105'
MAXIMUM); DUAL DRUM MIXER, DYNAMIC COMPACTOR LDC350

(OR SIMILAR TYPES); MONORAIL LOCOMOTIVE OPERATOR
(DIESEL, GAS OR ELECTRIC); MOTOR PATROL-BLADE
OPERATOR (SINGLE ENGINE); MULTIPLE ENGINE TRACTOR
OPERATOR (EUCLID AND SIMILAR TYPE-EXCEPT QUAD 9
CAT.); RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR
(SINGLE ENGINE, OVER 50 YDS. STRUCK); PNEUMATIC
PIPE RAMMING TOOL AND SIMILAR TYPES; PRESTRESSED
WRAPPING MACHINE OPERATOR; RUBBER-TIRED
EARTH-MOVING EQUIPMENT OPERATOR (SINGLE ENGINE,
OVER 50 YDS. STRUCK); RUBBER TIRED EARTH MOVING
EQUIPMENT OPERATOR (MULTIPLE ENGINE, EUCLID,
CATERPILLAR AND SIMILAR OVER 25 YDS. AND UP TO 50
YDS. STRUCK), TOWER CRANE REPAIRMAN; TRACTOR LOADER
OPERATOR (CRAWLER AND WHEEL TYPE OVER 6-1/2 YDS.);
WOODS MIXER OPERATOR (AND SIMILAR PUGMILL
EQUIPMENT) PREMIUM PAY: $10.00 PER HOUR SHALL BE
PAID ON ALL POWER EQUIPMENT OPERATOR WORK ON THE
FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL RESERVE,
VANDENBERG AFB, POINT ARGUELLO, SEELY NAVAL BASE,
FORT IRWIN, NEBO ANNEX MARINE BASE, MARINE CORP
LOGISTICS BASE YERMO, EDWARDS AFB, 29 PALMS MARINE
BASE AND CAMP PENDLETON WORKERS REQUIRED TO SUIT
UP AND WORK IN A HAZARDOUS MATERIAL ENVIRONMENT:
$2.00 PER HOUR ADDITIONAL. COMBINATION MIXER AND
COMPRESSOR OPERATOR ON GUNITE WORK SHALL BE
CLASSIFIED AS A CONCRETE MOBILE MIXER OPERATOR.....$ 66.41 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
8- ASPHALT OR CONCRETE SPREADING OPERATOR (TAMPING
OR FINISHING); ASPHALT PAVING MACHINE OPERATOR
(BARBER GREENE OR SIMILAR TYPE); ASPHALT-RUBBER
DISTRIBUTION OPERATOR; BACKHOE OPERATOR (UP TO AND
INCLUDING 3/4 YD.), SMALL FORD, CASE OR SIMILAR
TYPES; CABLE BUNDLING MACHINE OPERATOR (EXCLUDING
HANDHELD); CABLE TRENCHING MACHINE OPERATOR (SPIDER
PLOW OR SIMILAR TYPES) CAST-IN-PLACE PIPE LAYING
MACHINE OPERATOR; COMBINATION MIXER AND COMPRESSOR
OPERATOR (GUNITE WORK); COMPACTOR OPERATOR
(SELF-PROPELLED); CONCRETE MIXER OPERATOR (PAVING);
CRUSHING PLANT OPERATOR; DRILL DOCTOR; DRILLING
MACHINE OPERATOR, BUCKET OR AUGER TYPES (CALWELD
150 BUCKET OR SIMILAR TYPES - WATSON 1500, 2000
2500 AUGER OR SIMILAR TYPES - TEXOMA 700, 800 AUGER
OR SIMILAR TYPES - DRILLING DEPTH OF 60' MAXIMUM);
ELEVATING GRADER OPERATOR; GRADE CHECKER; GRADALL
OPERATOR; GROUTING MACHINE OPERATOR; HEAVY-DUTY
REPAIRMAN; HEAVY EQUIPMENT ROBOTICS OPERATOR;
KALAMAZOO BALLISTE REGULATOR OR SIMILAR TYPE;
KOLMAN BELT LOADER AND SIMILAR TYPE; LE TOURNEAU
BLOB COMPACTOR OR SIMILAR TYPE; LOADER OPERATOR
(ATHEY, EUCLID, SIERRA AND SIMILAR TYPES); MOBARK
CHIPPER OR SIMILAR; OZZIE PADDER OR SIMILAR TYPES;
P.C. SLOT SAW; PNEUMATIC CONCRETE PLACING MACHINE
OPERATOR (HACKLEY-PRESSWELL OR SIMILAR TYPE);
PUMPCRETE GUN OPERATOR; RCM CEMENTING UNIT
OPERATOR, RAIL/SWITCH GRINDER OPERATOR (HARSCO OR
SIMILAR TYPES) ROCK DRILL OR SIMILAR TYPES;
ROTARY DRILL OPERATOR (EXCLUDING CAISSON TYPE);
RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR
(SINGLE ENGINE, CATERPILLAR, EUCLID, ATHEY WAGON
AND SIMILAR TYPES WITH ANY AND ALL ATTACHMENTS OVER
25 YDS. UP TO AND INCLUDING 50 CU. YDS. STRUCK);
RUBBER-TIRED EARTH-MOVING EQUIPMENT OPERATOR
(MULTIPLE ENGINE UP TO AND INCLUDING 25 YDS.
STRUCK); RUBBER-TIRED SCRAPER OPERATOR
(SELF-LOADING PADDLE WHEEL TYPE-JOHN DEERE, 1040
AND SIMILAR SINGLE UNIT); SELF- PROPELLED CURB AND
GUTTER MACHINE OPERATOR; SHUTTLE BUGGY; SKIPLOADER
OPERATOR (CRAWLER AND WHEEL TYPE OVER 1-1/2 YDS. UP
TO AND INCLUDING 6-1/2 YDS.); SOIL REMEDIATION
PLANT OPERATOR; SURFACE HEATERS AND PLANER
OPERATOR; TRACTOR COMPRESSOR DRILL COMBINATION
OPERATOR; TRACTOR OPERATOR (ANY TYPE LARGER THAN
D-5 - 100 FLYWHEEL H.P. AND OVER, OR

SIMILAR-BULLDOZER, TAMPER, SCRAPER AND PUSH TRACTOR
SINGLE ENGINE); TRACTOR OPERATOR (BOOM
ATTACHMENTS), TRAVELING PIPE WRAPPING, CLEANING AND
BENDNG MACHINE OPERATOR; TRENCHING MACHINE OPERATOR
(OVER 6 FT. DEPTH CAPACITY, MANUFACTURER'S RATING);
TRENCHING MACHINE WITH ROAD MINER ATTACHMENT (OVER
6 FT DEPTH CAPACITY): ULTRA HIGH PRESSURE WATERJET
CUTTING TOOL SYSTEM MECHANIC; WATER PULL
(COMPACTION) OPERATOR PREMIUM PAY: $10.00 PER
HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR
WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE
NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 66.29 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
6- ARTICULATING MATERIAL HAULER; ASPHALT PLANT
ENGINEER; BATCH PLANT OPERATOR; BIT SHARPENER;
CONCRETE JOINT MACHINE OPERATOR (CANAL AND SIMILAR
TYPE); CONCRETE PLANER OPERATOR; DANDY DIGGER; DECK
ENGINE OPERATOR; DERRICKMAN (OILFIELD TYPE);
DRILLING MACHINE OPERATOR, BUCKET OR AUGER TYPES
(CALWELD 100 BUCKET OR SIMILAR TYPES - WATSON 1000
AUGER OR SIMILAR TYPES - TEXOMA 330, 500 OR 600
AUGER OR SIMILAR TYPES - DRILLING DEPTH OF 45'
MAXIMUM); DRILLING MACHINE OPERATOR; HYDROGRAPHIC
SEEDER MACHINE OPERATOR (STRAW, PULP OR SEED),
JACKSON TRACK MAINTAINER, OR SIMILAR TYPE;
KALAMAZOO SWITCH TAMPER, OR SIMILAR TYPE; MACHINE
TOOL OPERATOR; MAGINNIS INTERNAL FULL SLAB
VIBRATOR, MECHANICAL BERM, CURB OR GUTTER(CONCRETE
OR ASPHALT); MECHANICAL FINISHER OPERATOR
(CONCRETE, CLARY-JOHNSON-BIDWELL OR SIMILAR); MICRO
TUNNEL SYSTEM (BELOW GROUND); PAVEMENT BREAKER
OPERATOR (TRUCK MOUNTED); ROAD OIL MIXING MACHINE
OPERATOR; ROLLER OPERATOR (ASPHALT OR FINISH),
RUBBER-TIRED EARTH MOVING EQUIPMENT (SINGLE ENGINE,
UP TO AND INCLUDING 25 YDS. STRUCK); SELF-PROPELLED
TAR PIPELINING MACHINE OPERATOR; SKIPLOADER
OPERATOR (CRAWLER AND WHEEL TYPE, OVER 3/4 YD. AND
UP TO AND INCLUDING 1-1/2 YDS.); SLIP FORM PUMP
OPERATOR (POWER DRIVEN HYDRAULIC LIFTING DEVICE FOR
CONCRETE FORMS); TRACTOR OPERATOR-BULLDOZER,
TAMPER-SCRAPER (SINGLE ENGINE, UP TO 100 H.P.
FLYWHEEL AND SIMILAR TYPES, UP TO AND INCLUDING D-5
AND SIMILAR TYPES); TUGGER HOIST OPERATOR (1 DRUM);
ULTRA HIGH PRESSURE WATERJET CUTTING TOOL SYSTEM
OPERATOR; VACUUM BLASTING MACHINE OPERATOR PREMIUM
PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER
EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY
BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB,
POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO
ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE
YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP
PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK
IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR
ADDITIONAL. COMBINATION MIXER AND COMPRESSOR
OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A
CONCRETE MOBILE MIXER OPERATOR.....$ 66.18 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
4- ASPHALT PLANT FIREMAN; BACKHOE OPERATOR
(MINI-MAX OR SIMILAR TYPE); BORING MACHINE
OPERATOR; BOXMAN OR MIXERMAN (ASPHALT OR CONCRETE);
CHIP SPREADING MACHINE OPERATOR; CONCRETE CLEANING
DECONTAMINATION MACHINE OPERATOR; CONCRETE PUMP
OPERATOR (SMALL PORTABLE);DIRECT PUSH OPERATOR
(GEOPROBE OR SIMILAR TYPES) DRILLING MACHINE
OPERATOR, SMALL AUGER TYPES (TEXOMA SUPER

ECONOMATIC OR SIMILAR TYPES - HUGHES 100 OR 200 OR
SIMILAR TYPES - DRILLING DEPTH OF 30' MAXIMUM);
EQUIPMENT GREASER (GREASE TRUCK); GUARD RAIL POST
DRIVER OPERATOR; HIGHLINE CABLEWAY SIGNALMAN;
HYDRA-HAMMER-AERO STOMPER; MICRO TUNNELING (ABOVE
GROUND TUNNEL); POWER CONCRETE CURING MACHINE
OPERATOR; POWER CONCRETE SAW OPERATOR; POWER-DRIVEN
JUMBO FORM SETTER OPERATOR; POWER SWEEPER OPERATOR;
ROCK WHEEL SAW/TRENCHER; ROLLER OPERATOR
(COMPACTING); SCREED OPERATOR (ASPHALT OR
CONCRETE); TRENCHING MACHINE OPERATOR (UP TO 6
FT.); VACUUM OR MUCH TRUCK PREMIUM PAY: $10.00
PER HOUR SHALL BE PAID ON ALL POWER EQUIPMENT
OPERATOR WORK ON THE FOLLOWNG MILITARY BASES: CHINA
LAKE NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 65.96 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
3- ASPHALT-RUBBER BLEND OPERATOR; BOBCAT OR SIMILAR
TYPE (SKID STEER); EQUIPMENT GREASER (RACK); FORD
FERGUSON (WITH DRAGTYPE ATTACHMENTS); HELICOPTER
RADIOMAN (GROUND); STATIONARY PIPE WRAPPING AND
CLEANING MACHINE OPERATOR PREMIUM PAY: $10.00 PER
HOUR SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR
WORK ON THE FOLLOWNG MILITARY BASES: CHINA LAKE
NAVAL RESERVE, VANDENBERG AFB, POINT ARGUELLO,
SEELY NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE
BASE, MARINE CORP LOGISTICS BASE YERMO, EDWARDS
AFB, 29 PALMS MARINE BASE AND CAMP PENDLETON
WORKERS REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 64.67 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
2- ASPHALT-RUBBER PLANT OPERATOR (NURSE TANK
OPERATOR);COIL TUBING RIG OPERATOR, CONCRETE MIXER
OPERATOR-SKIP TYPE; CONVEYOR OPERATOR; FIREMAN;
FORKLIFT OPERATOR (INCLUDES LOED, LULL OR SIMILAR
TYPES OVER 5 TONS; HYDROSTATIC PUMP OPERATOR; OILER
CRUSHER (ASPHALT OR CONCRETE PLANT); PETROMAT
LAYDOWN MACHINE; PJU SIDE DUM JACK; SCREENING AND
CONVEYOR MACHINE OPERATOR (OR SIMILAR TYPES);
SKIPLOADER (WHEEL TYPE UP TO 3/4 YD. WITHOUT
ATTACHMENT); TAR POT FIREMAN; TEMPORARY HEATING
PLANT OPERATOR; TRENCHING MACHINE OILER PREMIUM
PAY: $10.00 PER HOUR SHALL BE PAID ON ALL POWER
EQUIPMENT OPERATOR WORK ON THE FOLLOWNG MILITARY
BASES: CHINA LAKE NAVAL RESERVE, VANDENBERG AFB,
POINT ARGUELLO, SEELY NAVAL BASE, FORT IRWIN, NEBO
ANNEX MARINE BASE, MARINE CORP LOGISTICS BASE
YERMO, EDWARDS AFB, 29 PALMS MARINE BASE AND CAMP
PENDLETON WORKERS REQUIRED TO SUIT UP AND WORK
IN A HAZARDOUS MATERIAL ENVIRONMENT: $2.00 PER HOUR
ADDITIONAL. COMBINATION MIXER AND COMPRESSOR
OPERATOR ON GUNITE WORK SHALL BE CLASSIFIED AS A
CONCRETE MOBILE MIXER OPERATOR.....$ 64.18 33.20
OPERATOR: POWER EQUIPMENT, ALL OTHER WORK: GROUP
1- BARGEMAN; BRAKEMAN; COMPRESSOR OPERATOR; DITCH
WITCH, WITH SEAT OR SIMILAR TYPE EQUIPMENT;
ELEVATOR OPERATOR-INSIDE; ENGINEER OILER; FORKLIFT
OPERATOR (INCLUDES LOED, LULL OR SIMILAR TYPES
UNDER 5 TONS; GENERATOR OPERATOR; GENERATOR, PUMP
OR COMPRESSOR PLANT OPERATOR; PUMP OPERATOR;
SIGNALMAN; SWITCHMAN PREMIUM PAY: $10.00 PER HOUR
SHALL BE PAID ON ALL POWER EQUIPMENT OPERATOR WORK
ON THE FOLLOWNG MILITARY BASES: CHINA LAKE NAVAL

RESERVE, VANDENBERG AFB, POINT ARGUELLO, SEELY
NAVAL BASE, FORT IRWIN, NEBO ANNEX MARINE BASE,
MARINE CORP LOGISTICS BASE YERMO, EDWARDS AFB, 29
PALMS MARINE BASE AND CAMP PENDLETON WORKERS
REQUIRED TO SUIT UP AND WORK IN A HAZARDOUS
MATERIAL ENVIRONMENT: $2.00 PER HOUR ADDITIONAL.
COMBINATION MIXER AND COMPRESSOR OPERATOR ON GUNITE
WORK SHALL BE CLASSIFIED AS A CONCRETE MOBILE MIXER
OPERATOR.....$ 63.40 33.20

IRON0229-001 01/01/2025

	Rates	Fringes
IRONWORKER (ORNAMENTAL, REINFORCING AND PREMIUM PAY: $6.00 additional per hour at the following locations:China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg $4.00 additional per hour at the following locations:Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics $2.00 additional per hour at the following locations: Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock.....	$ 50.70	35.15
IRONWORKER (FENCE PREMIUM PAY: $6.00 additional per hour at the following locations:China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg $4.00 additional per hour at the following locations:Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics $2.00 additional per hour at the following locations: Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock.....	$ 45.78	26.51

LABO0089-001 07/01/2025

	Rates	Fringes
LABORER, BUILDING AND ALL OTHER RESIDENTIAL CONSTRUCTION: GROUP 5 BLASTERS POWDERMAN-ALL WORK OF LOADING HOLES, PLACING AND BLASTING OF ALL PWDER AND EXPLOSIVES OF WHATEVER TYPE, REGARDLESS OF METHOD USED FOR SUCH LOADING AND PLACING; DRILLER-ALL POWER DRILLS, EXCLUDING JACKHAMMER, WHETHER CORE, DIAMOND, WAGON, TRACK, MULTIPLE UNIT, AND ANY AND ALL OTHER TYPES OF MECHANICAL DRILLS WITHOUT REGARD TO THE FORM OF MOTIVE POWER.....	$ 48.16	25.09
LABORER, BUILDING AND ALL OTHER RESIDENTIAL CONSTRUCTION: GROUP 4 ASPHALT RAKER, LUTERMAN, IRONER, APSHALT DUMPMAN AND ASPHALT SPREADER BOXES (ALL TYPES); CONCRETE CORE CUTTER (WALLS, FLOORS OR CEILINGS), GRINDER OR SANDER; CONCRETE SAW MAN; CUTTING WALLS OR FLAT WORK, SCORING OLD OR NEW CONCRETE; CRIBBER, SHORER, LAGGING, SHEETING AND TRENCH BRACING, HAND-GUIDED LAGGING HAMMER; LASER BEAM IN CONNECTION WITH LABORER'S WORK; OVERSIZE CONCRETE VIBRATOR OPERATOR 70 POUNDS AND OVER; PIPELAYER PERFORMING ALL SERVICES IN THE LAYING, INSTALLATION AND ALL FORMS OF CONNECTION OF PIPE FROM THE POINT OF RECEIVING PIPE IN THE DITCH UNTIL COMPLETION OF OEPRATION, INCLUDING ANY AND ALL FORMS OF TUBULAR MATERIAL, WHETHER PIPE, METALLIC		

OR NON-METALLIC, CONDUIT, AND ANY OTHER STATIONARY
TYPE OF TUBULAR DEVICE USED FOR THE CONVEYING OF
ANY SUBSTANCE OR ELEMENT, WHETHER WATER, SEWAGE,
SOLID, GAS, AIR OR OTHER PRODUCT WHATSOEVER AND
WITHOUT REGARD TO THE NATURE OF MATERIAL FROM WHICH
THE TUBULAR MATERIAL IS FABRICATED; NO JOINT PIPE
AND STRIPPING OF SAME; PREFABRICATED MANHOLE
INSTALLER; SANDBLASTER (NOZZLEMAN), PORTA
SHOT-BLAST, WATER BLASTING.....$ 48.64 25.09
LABORER, BUILDING AND ALL OTHER RESIDENTIAL
CONSTRUCTION: GROUP 3 BUGGYMOBILE; CONCRETE CUTTING
TORCH; CONCRETE CUTTING TORCH; CONCRETE PILE
CUTTER; DRILLER, JACKHAMMER, 2 1/2 FEET DRILL STEEL
OR LONGER; DRI PAK-IT MACHINE; HIGH SEALER
(INCLUDING DRILLING OF SAME); HYDRO SEEDER AND
SIMILAR TYPE; IMPACT WRENCH, MULT-PLATE; KETTLEMEN,
POTMEN AND MEAN APPLYING ASPHALT, LAY-KOLD,
CREOSOTE, LINE CAUSTIC AND SIMILAR TYPE MATERIALS
(APPLYING MEANS APPLYING, DIPPING, BRUSHING OR
HANDLING OF SUCH MATERIALS FOR PIPE WRAPPING AND
WATERPROOFING); OPERATORS OF PNEUMATIC, GAS,
ELECTRIC TOOLS, VIBRATRING MACHINES, PAVEMENT
BREAKERS, AIR BLASTING, COME-ALONG, AND SIMILAR
MECHANICAL TOOLS NOT SEPARATELY CLASSIFIED HEREIN;
PIPELAYERS BACK UP MAN COATING, GROUTING, MAKING OF
JOINTS, SEALING, CAULKING, DIAPERING AND INCLDUING
RUBBER GASKET JOINTS, POINTING AND ANY AND ALL
OTHER SERVICES; ROTARY SCARIFIER OR MULTIPLE HEAD
CONCRETE CHIPPING SCAARIFIER; STEEL HEADER BOARD
MAN AND GUIDELINE SETTER; TAMPERS, BARKO, WACKER
AND SIMILAR TYPE; TRENCHING MACHINE, HANDPROPELLED..$ 47.16 25.09
LABORER, BUILDING AND ALL OTHER RESIDENTIAL
CONSTRUCTION: GROUP 2 ASPHALT SHOVELER; CEMENT
DUMPER (ON 1 YARD OR LARGER MIXER AND HANDLING BULK
CEMENT); CESSPOOL DIGGER AND INSTALLER;
CHUCKTENDER; CHUTE MAN, POURING CONCRETE, THE
HANDLING OF THE CUTE FROM READY MIX TRUCKS, SUCH AS
WALLS, SLABS, DECKS, FLOORS, FOUNDATIONS, FOOTINGS,
CURBS, GUTTERS AND SIDEWALKS; CONCRETE
CURER-IMPERVIOUS MEMBRANE AND FORM OILER; CUTTING
TORCH OPERATOR (DEMOLITON); GUINEA CHASER;
HEADBOARD MAN-ASPHLT; LABORER, PACKING ROD STEEL
AND PANS; MEMBRANE VAPOR BARRIER INSTALLER; POWER
BROOM SWEEPERS (SMALL); RIIPRAP, STONEPAVER,
PLACING STONE OR WET SACKED CONCRETE; ROTO SCRAPER
AND TILLER; TANK SEALER AND CLEANER; TREE CLIMBER,
FALLER, CHAIN SAW OPERATOR, PITTSBURGH CHIPPER AND
SIMILAR TYPE BRUSH SHREDDERS; UNDERGROUND LABORERS,
INCLUDING CAISSON BELLOWER.....$ 46.30 25.09
LABORER, BUILDING AND ALL OTHER RESIDENTIAL
CONSTRUCTION: GROUP 1 CLEANING AND HANDLING OF
PANEL FORMS; CONCRETE SCREEDING FOR ROUGHT
STRIKE-OFF; CONCRETE, WATER CURING; DEMOLITION
LABORER; FLAGMAN; GAS, OIL AND/OR WATER PIPELINE
LABORER; GENERAL LABORER; GENERAL CLEAN-UP LABORER;
LANDSCAPE LABORER; JETTING LABORER; TEMPORARY
WATER AND AIR LINES LABORER; MATERIAL HOSEMAN
(WALLS, SLABS, FLOORS AND DECKS); PLUGGING, FILLING
OF SHEE-BOLT HOLES; DRY PACKING OF CONCRETE;
RAILROAD MAINTENANCE, REPAIR TRACKMAN AND ROAD
BEDS, STREETCAR AND RAILROAD CONSTRUCTION TRAC
LABORERS; SLIP FORM RAISERS; SLURRY SEAL CREWS
(MIXER OPERATOR, APPLICATOR OPERATOR, SQUEEGEE MAN,
SHUTTLE MAN, TOP MAN), FILLING OF CRACKS BY ANY
METHOD ON ANY SURFACE; TARMAN AND MORTAR MAN; TOOL
CRIB OR TOOL HOUSE LABORER; WINDOW CLEANER; WIRE
MESH PULING-ALL CONCRETE POURING OPERATIONS.....$ 45.54 25.09
LABORER (RESIDENTIAL CONSTRUCTION): (2) CLEANUP,
LANDSCAPE, FENCING (CHAIN LINK & WOOD)
RESIDENTIAL DEFINITION: WOOD OR METAL FRAME
CONSTRUCTION OF SINGLE FAMILY RESIDENCES,
APARTMENTS AND CONDOMINUMS - EXCLUDING (A) PROJECTS
THAT EXCEED THREE STORIES OVER A GARAGE LEVEL, (B)

ANY UTILITY WORK SUCH AS TELEPHONE, GAS, WATER,
SEWER AND OTHER UTILITIES AND (C) ANY FINE GRADING
WORK, UTILITY WORK OR PAVING WORK IN THE FUTURE
STREET AND PUBLIC RIGHT-OF-WAY; BUT INCLUDING ALL
ROUGH GRADING WORK AT THE JOB SITE BEHIND THE
EXISTING RIGHT OF WAY.....$ 43.44 23.42
LABORER (RESIDENTIAL CONSTRUCTION) (1) LABORER
RESIDENTIAL DEFINITION: WOOD OR METAL FRAME
CONSTRUCTION OF SINGLE FAMILY RESIDENCES,
APARTMENTS AND CONDOMINUMS - EXCLUDING (A) PROJECTS
THAT EXCEED THREE STORIES OVER A GARAGE LEVEL, (B)
ANY UTILITY WORK SUCH AS TELEPHONE, GAS, WATER,
SEWER AND OTHER UTILITIES AND (C) ANY FINE GRADING
WORK, UTILITY WORK OR PAVING WORK IN THE FUTURE
STREET AND PUBLIC RIGHT-OF-WAY; BUT INCLUDING ALL
ROUGH GRADING WORK AT THE JOB SITE BEHIND THE
EXISTING RIGHT OF WAY.....$ 42.15 23.42

LABO0089-002 11/01/2025

Rates Fringes
LABORER: MASON TENDER.....$ 42.60 22.13

LABO0089-004 07/01/2025

Rates Fringes
LABORERS: GROUP 5 (HEAVY AND HIGHWAY CONSTRUCTION)
BLASTERS POWDERMAN-ALL WORK OF LOADING HOLES,
PLACING AND BLASTING OF ALL POWDER AND EXPLOSIVES
OF WHATEVER TYPE, REGARDLESS OF METHOD USED FOR
SUCH LOADING AND PLACING; HORIZONTAL DIRECTIONAL
DRILLER, BORING SYSTEM, ELECTRONIC TRAKING,
DRILLER: ALL POWER DRILLS EXCLUDING JACKHAMMER,
WHETHER CORE, DIAMOND, WAGON, TRACK, MULTIPLE UNIT,
AND ALL OTHER TYPES OF MECHANICAL DRILLS WITHOUT
REGARD TO FORM OF MOTIVE POWER. ENVIRONMENTAL
REMEDIATION, MONITORING WELL, TOXIC WASTE AND
GEOTECHNICAL DRILLER, TOXIC WASTE REMOVAL. WELDING
IN CONNECTION WITH LABORER'S WORK.....$ 50.14 25.09
LABORERS: GROUP 4 (HEAVY AND HIGHWAY CONSTRUCTION)
ANY WORKER EXPOSED TO RAW SEWAGE. ASPHALT RAKER,
LUTEMAN, ASPHALT DUMPMAN, ASPHALT SPREADER BOXES,
CONCRETE CORE CUTTER, CONCRETE SAW MAN, CRIBBER,
SHORER, HEAD ROCK SLINGER. INSTALLATION OF
SUBSURFACE INSTRUMENTATION, MONITORING WELLS OR
POINTS, REMEDIATION SYSTEM INSTALLER; LABORER,
ASPHALT-RUBBER DISTRIBUTOR BOOTMAN; OVERSIZE
CONCRETE VIBRATOR OPERATORS, 70 POUNDS OR OVER.
PIPELAYER, PRFEFABRICATED MANHOLE INSTALLER,
SANDBLAST NOZZLEMAN (WATER BALSTING-PORTA SHOT
BLAST), TRAFFIC LANE CLOSURE.....$ 49.28 25.09
LABORERS: GROUP 3 (HEAVY AND HIGHWAY CONSTRUCTION)
ASPHALT, INSTALLATION OF ALL FRABRICS; BUGGY MOBILE
MAN, BUSHING HAMMER; COMPACTOR (ALL TYPES),
CONCRETE CURER - IMPERVIOUS MEMBRANE, FORM OILER,
CONCRETE CUTTING TORCH, CONCRETE PILE
CUTTER,DRILLER/JACKHAMMER WITH DRILL STEEL 2 1/2 FT
OR LONGER, DRY PAK-IT MACHINE, FENCE ERECTOR
INCLUDING MANUAL POST HOLE DIGGING, GAS OIL OR
WATER PIPELINE WRAPPER - 6 FT PIPE AND OVER,
GURADRAIL ERECTOR, HYDRO SEEDER, IMPACT WRENCH MAN
(MULTI PLATE), KETTLEMAN-POTMAN HOT MOP INCLUDES
APPLYING ASPHALT, LAY-KOLD, CREOSOTE, LIME CAUSTIC
AND SIMILAR TYPES OF MATERIALS (DIPPING, BRUSHING
OR HANDLING) AND WATERPROOFING. LASER BEAM IN
CONNECTION WITH LABORER WORK. HIGH SCALER,
OPERATORS OF PNEUMATIC GAS OR ELECTRIC TOOLS,
VIBRATING MACHINES, PAVEMENT BREAKERS, AIR
BLASTING, COME-ALONGS AND SIMILAR MECHANICAL TOOLS,
REMOTE-CONTROLLED ROBOTIC TOOLS IN CONNECTION WITH
LABORERS WORK. PIPELAYER BACKUP MAN (COATING,
GROUTING,M MAKEING OF JOINTS, SEALING, CAULKING,
DIAPERING INCLUDING RUBBER GASKET JOINTS, POINTING

AND OTHER SERVICES). POWER POST HOLE DIGGER,
ROTARY SCARIFIER (MULTIPLE HEAD CONCRETE CHIPPER
SCARIFIER), ROCK SLINGER, SHOT BLAST EQUIPMENT (8
TO 48 INCHES), STEEL HEADERBOARD MAN AND GUIDELINE
SETTER, TAMPER/WACKER OPERATOR AND SIMILAR TYPES,
TRENCHING MACHINE HAND PROPELLED.....$ 47.76 25.09
LABORERS: GROUP 2 (HEAVY AND HIGHWAY CONSTRUCTION)
ASPHALT ABATEMENT; BUGGYMOBILE; CEMENT DUMPER (ON 1
YD. OR LARGER MIXERS AND HANDLING BULK CEMENT);
CONCRETE CURER, IMPERVIOUS MEMBRANE AND FORM OILER;
CHUTE MAN, POURING CONCRETE; CONCRETE CUTTING
TORCH; CONCRETE PILE CUTTER; DRILLER/JACKHAMMER,
WITH DRILL STEEL 2 1/'2 FEET OR LONGER; DRY PAK-IT
MACHINE; FENCE ERECTOR; PIPELINE WRAPPER, GAS, OIL,
WATER, POT TENDER & FORM MAN; GROUT MAN;
INSTALLATION OF ALL ASPHALT OVERLAY FABRIC AND
MATERIALS USED FOR REINFORCING ASPHALT; IRRIGATION
LABORER; KETTLEMAN-POTMAN HOT MOP, INCLUDES
APPLYING ASPHALT, LAY-KLOLD, CREOSOTE, LIME CAUSTIC
AND SIMILAR TYHPES OF MATERIALS (DIPPING, BRUSHING,
HANDLING) AND WATERPROOFING; MEMBRANE VAPOR BARRIER
INSTALLER; PIPELAYER BACKUP MAN (COATING, GROUTING,
MAKING OF JOINTS, SEALING CAULKIING, DIAPERING
INCLUDING RUBBER BASKET JOINTS, POINTING); ROTARY
SCARIFIER, MULTIPLE HEAD CONCRETE CHIPPER; ROCK
SLINGER; ROTO SCRAPER & TILLER; SANDBLASTER POT
TENDER; SEPTIC TANK DIGGER/INSTALLER; TAMPER/WACKER
OPERATOR; TANK SCALER & CLEANER; TAR MAN & MORTAR
MAN; TREE CLIMBER/FALLER, CHAINB SAW OPERATOR,
PITTSBURGH CHIPPER & SIMILAR TYPE BRUSH SHREDDERS...$ 47.20 25.09
LABORERS: GROUP 1 (HEAVY AND HIGHWAY CONSTRUCTION)
LABORER: GENERAL OR CONSTRUCTION LABORER, LANDSCAPE
LABORER. ASPHALT RUBBER MATERIAL LOADER. BORING
MACHINE TENDER (OUTSIDE), CARPENTER LABORER
(CLEANING, HANDLING, OILING & BLOWING OF PANEL
FORMS AND LUMBER), CONCRETE LABORER, CONCRETE
SCREEDING FOR ROUGH STRIKE-OFF, CONCRETE WATER
CURING. CONCRETE CURB & GUTTER LABORER, CERTIFIED
CONFINED SPACE LABORER, DEMOLITION LABORER &
CLEANING OF BRICK AND LUMBER,EXPANSION JOINT
CAULKING; ENVIRONMENTAL REMEDIATION, MONITORING
WELL, TOXIC WASTE AND GEOTECHNICAL DRILL TENDER,
FINE GRADER, FIRE WATCHER, LIMBERS, BRUSH LOADER,
PILERS AND DEBRIS HANDLERS. FLAGMAN. GAS OIL AND
WATER PIPELINE LABORER. MATERIAL HOSEMAN (SLABS,
WALLS, FLOORS, DECKS); PLUGGING, FILLING OF SHEE
BOLT HOLES; DRY PACKING OF CONCRETE AND PATCHING;
POST HOLER DIGGER (MANUAL); RAILROAD MAINTENANCE,
REPAIR TRACKMAN, ROAD BEDS; RIGGING & SIGNALING;
SCALER, SLIP-FORM RAISERS, FILLING CRACKS ON ANY
SURFACE, TOOL CRIB OR TOOL HOUSE LABORER, TRAFFIC
CONTROL (SIGNS, BARRIERS, BARRICADES, DELINEATOR,
CONES ETC.), WINDOW CLEANER.....$ 46.66 25.09

LABO0300-005 07/01/2025

Rates Fringes

ASBESTOS REMOVAL LABORER SCOPE OF WORK: INCLUDES
SITE MOBILIZATION, INITIAL SITE CLEANUP, SITE
PREPARATION, REMOVAL OF ASBESTOS-CONTAINING
MATERIAL AND TOXIC WASTE, ENCAPSULATION, ENCLOSURE
AND DISPOSAL OF ASBESTOS- CONTAINING MATERIALS AND
TOXIC WASTE BY HAND OR WITH EQUIPMENT OR MACHINERY;
SCAFFOLDING, FABRICATION OF TEMPORARY WOODEN
BARRIERS AND ASSEMBLY OF DECONTAMINATION STATIONS...$ 46.48 25.93

LABO0345-001 07/01/2025

Rates Fringes

LABORER, GUNITE: GROUP 3 REBOUNDMEN FOOTNOTE:
GUNITE PREMIUM PAY: WORKERS WORKING FROM A
BOSN'N'S CHAIR OR SUSPENDED FROM A ROPE OR CABLE
SHALL RECEIVE 40 CENTS PER HOUR ABOVE THE FOREGOING

APPLICABLE CLASSIFICATION RATES. WORKERS DOING
GUNITE AND/OR SHOTCRETE WORK IN A TUNNEL SHALL
RECEIVE 35 CENTS PER HOUR ABOVE THE FOREGOING
APPLICABLE CLASSIFICATION RATES, PAID ON A
PORTAL-TO-PORTAL BASIS. ANY WORK PERFORMED ON, IN
OR ABOVE ANY SMOKE STACK, SILO, STORAGE ELEVATOR OR
SIMILAR TYPE OF STRUCTURE, WHEN SUCH STRUCTURE IS
IN EXCESS OF 75'-0"" ABOVE BASE LEVEL AND WHICH WORK
MUST BE PERFORMED IN WHOLE OR IN PART MORE THAN
75'-0"" ABOVE BASE LEVEL, THAT WORK PERFORMED ABOVE
THE 75'-0"" LEVEL SHALL BE COMPENSATED FOR AT 35
CENTS PER HOUR ABOVE THE APPLICABLE CLASSIFICATION
WAGE RATE.....$ 51.39 23.77
LABORER, GUNITE: GROUP 2 GUNMEN FOOTNOTE: GUNITE
PREMIUM PAY: WORKERS WORKING FROM A BOSN'N'S
CHAIR OR SUSPENDED FROM A ROPE OR CABLE SHALL
RECEIVE 40 CENTS PER HOUR ABOVE THE FOREGOING
APPLICABLE CLASSIFICATION RATES. WORKERS DOING
GUNITE AND/OR SHOTCRETE WORK IN A TUNNEL SHALL
RECEIVE 35 CENTS PER HOUR ABOVE THE FOREGOING
APPLICABLE CLASSIFICATION RATES, PAID ON A
PORTAL-TO-PORTAL BASIS. ANY WORK PERFORMED ON, IN
OR ABOVE ANY SMOKE STACK, SILO, STORAGE ELEVATOR OR
SIMILAR TYPE OF STRUCTURE, WHEN SUCH STRUCTURE IS
IN EXCESS OF 75'-0"" ABOVE BASE LEVEL AND WHICH WORK
MUST BE PERFORMED IN WHOLE OR IN PART MORE THAN
75'-0"" ABOVE BASE LEVEL, THAT WORK PERFORMED ABOVE
THE 75'-0"" LEVEL SHALL BE COMPENSATED FOR AT 35
CENTS PER HOUR ABOVE THE APPLICABLE CLASSIFICATION
WAGE RATE.....$ 54.93 23.77
LABORER, GUNITE: GROUP 1 RODMEN, NOZZLEMEN
FOOTNOTE: GUNITE PREMIUM PAY: WORKERS WORKING
FROM A BOSN'N'S CHAIR OR SUSPENDED FROM A ROPE OR
CABLE SHALL RECEIVE 40 CENTS PER HOUR ABOVE THE
FOREGOING APPLICABLE CLASSIFICATION RATES.
WORKERS DOING GUNITE AND/OR SHOTCRETE WORK IN A
TUNNEL SHALL RECEIVE 35 CENTS PER HOUR ABOVE THE
FOREGOING APPLICABLE CLASSIFICATION RATES, PAID ON
A PORTAL-TO-PORTAL BASIS. ANY WORK PERFORMED ON,
IN OR ABOVE ANY SMOKE STACK, SILO, STORAGE ELEVATOR
OR SIMILAR TYPE OF STRUCTURE, WHEN SUCH STRUCTURE
IS IN EXCESS OF 75'-0"" ABOVE BASE LEVEL AND WHICH
WORK MUST BE PERFORMED IN WHOLE OR IN PART MORE
THAN 75'-0"" ABOVE BASE LEVEL, THAT WORK PERFORMED
ABOVE THE 75'-0"" LEVEL SHALL BE COMPENSATED FOR AT
35 CENTS PER HOUR ABOVE THE APPLICABLE
CLASSIFICATION WAGE RATE.....$ 55.88 23.77

LABO1184-001 07/01/2025

Rates Fringes

LABORERS: STRIPING/SLURRY SEAL: GROUP 4 STRIPER:
LAYOUT AND APPLICATION OF TRAFFIC STRIPES AND
MARKINGS; HOT THERMO PLASTIC; TAPE TRAFFIC STRIPES
AND MARKINGS, INCLUDING TRAFFIC CONTROL; OPERATION
OF ALL RELATED MACHINERY AND EQUIPMENT.....$ 54.35 23.97
LABORERS: STRIPING/SLURRY SEAL: GROUP 3 TRAFFIC
DELINEATING DEVICE APPLICATOR: LAYOUT AND
APPLICATION OF PAVEMENT MARKERS, DELINEATING SIGNS,
RUMBLE AND TRAFFIC BARS, ADHESIVES, GUIDE MARKERS,
OTHER TRAFFIC DELINEATING DEVICES INCLUDING TRAFFIC
CONTROL. THIS CATEGORY INCLUDES ALL TRAFFIC RELATED
SURFACE PREPARATION (SANDBLASTING, WATERBLASTING,
GRINDING) AS PART OF THE APPLICATION PROCESS.
TRAFFIC PROTECTIVE DELINEATING SYSTEM INSTALLER:
REMOVES, RELOCATES, INSTALLS, PERMANENTLY AFFIXED
ROADSIDE AND PARKING DELINEATION BARRICADES,
FENCING, CABLE ANCHOR, GUARD RAIL, REFERENCE SIGNS,
MONUMENT MARKERS; OPERATION OF ALL RELATED
MACHINERY AND EQUIPMENT; POWER BROOM SWEEPER.....$ 52.61 23.97
LABORERS: STRIPING/SLURRY SEAL: GROUP 2 TRAFFIC
SURFACE ABRASIVE BLASTER; POT TENDER - REMOVAL OF
ALL TRAFFIC LINES AND MARKINGS BY ANY METHOD

(SANDBLASTING, WATERBLASTING, GRINDING, ETC.) AND
PREPARATION OF SURFACE FOR COATINGS. TRAFFIC
CONTROL PERSON: CONTROLLING AND DIRECTING TRAFFIC
THROUGH BOTH CONVENTIONAL AND MOVING LANE CLOSURES;
OPERATION OF ALL RELATED MACHINERY AND EQUIPMENT....$ 50.60 23.97
LABORERS: STRIPING/SLURRY SEAL: GROUP 1 PROTECTIVE
COATING, PAVEMENT SEALING, INCLUDING REPAIR AND
FILLING OF CRACKS BY ANY METHOD ON ANY SURFACE IN
PARKING LOTS, GAME COURTS AND PLAYGROUNDS;
CARSTOPS; OPERATION OF ALL RELATED MACHINERY AND
EQUIPMENT; EQUIPMENT REPAIR TECHNICIAN.....$ 49.30 23.97
LABORERS: HORIZONTAL DIRECTIONAL DRILLING: (4)
ELECTRONIC TRACKING LOCATOR.....$ 51.96 20.86
LABORERS: HORIZONTAL DIRECTIONAL DRILLING: (3)
HORIZONTAL DIRECTIONAL DRILL OPERATOR.....$ 49.96 20.86
LABORERS: HORIZONTAL DIRECTIONAL DRILLING: (2)
VEHICLE OPERATOR/HAULER.....$ 48.11 20.86
LABORERS: HORIZONTAL DIRECTIONAL DRILLING: (1)
DRILLING CREW LABORER.....$ 47.94 20.86

LABO1414-003 08/06/2025

Rates Fringes

LABORER: PLASTER TENDER WORK ON A SWING STAGE
SCAFFOLD: $1.00 PER HOUR ADDITIONAL. WORK AT
MILITARY BASES - $3.00 ADDITIONAL PER HOUR:
CORONADO NAVAL AMPHIBIOUS BASE, FORT IRWIN, MARINE
CORPS AIR STATION-29 PALMS, IMPERIAL BEACH NAVAL
AIR STATION, MARINE CORPS LOGISTICS SUPPLY BASE,
MARINE CORPS PICKLE MEADOWS, MOUNTAIN WARFARE
TRAINING CENTER, NAVAL AIR FACILITY-SEELEY, NORTH
ISLAND NAVAL AIR STATION, VANDENBERG AFB.....$ 48.72 25.97
LABORER: PLASTER CLEAN-UP LABORER WORK ON A
SWING STAGE SCAFFOLD: $1.00 PER HOUR ADDITIONAL.
WORK AT MILITARY BASES - $3.00 ADDITIONAL PER
HOUR: CORONADO NAVAL AMPHIBIOUS BASE, FORT IRWIN,
MARINE CORPS AIR STATION-29 PALMS, IMPERIAL BEACH
NAVAL AIR STATION, MARINE CORPS LOGISTICS SUPPLY
BASE, MARINE CORPS PICKLE MEADOWS, MOUNTAIN
WARFARE TRAINING CENTER, NAVAL AIR FACILITY-SEELEY,
NORTH ISLAND NAVAL AIR STATION, VANDENBERG AFB.....$ 46.17 25.97

PAIN0036-001 07/01/2023

Rates Fringes

PAINTERS: INCLUDING LEAD ABATEMENT: (2) ALL OTHER
WORK .....$ 38.52 18.64

PAIN0036-010 09/01/2024

Rates Fringes

DRYWALL FINISHER/TAPER (1) BUILDING & HEAVY
CONSTRUCTION.....$ 43.59 24.80
DRYWALL FINISHER/TAPER (2) Residential
Construction (Wood frame apartments, single family
homes and multi-duplexes up to and including four
stories).....$ 32.27 14.70

PAIN0036-012 10/01/2024

Rates Fringes

GLAZIER.....$ 52.90 22.16

PAIN0036-019 01/01/2025

Rates Fringes

SOFT FLOOR LAYER.....$ 40.77 19.37

PLAS0200-005 08/03/2022

Rates Fringes

PLASTERER NORTH ISLAND NAVAL AIR STATION,
COLORADO NAVAL AMPHIBIOUS BASE, IMPERIAL BEACH

NAVAL AIR STATION: $3.00 ADDITIONAL PER HOUR.....$ 47.37 19.64

PLAS0500-001 07/01/2018

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER GROUP 3: ALL OTHER WORK	$ 30.07	21.12
CEMENT MASON/CONCRETE FINISHER GROUP 2: Work classified as type I and II construction	$ 27.99	19.77
CEMENT MASON/CONCRETE FINISHER GROUP 1: Residential wood frame project of any size; work classified as Type III, IV or Type V construction; interior tenant improvement work regardless the size of the project; any wood frame project of four stories or less	$ 26.34	19.77

PLUM0016-006 09/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER: WORK ONLY ON STRIP MALLS, LIGHT COMMERCIAL, TENANT IMPROVEMENT AND REMODEL WORK	$ 44.29	24.16
PLUMBER, PIPEFITTER, STEAMFITTER : ALL OTHER WORK EXCEPT WORK ON NEW ADDITIONS AND REMODELING OF BARS, RESTAURANT, STORES AND COMMERCIAL BUILDINGS NOT TO EXCEED 5,000 SQ. FT. OF FLOOR SPACE AND WORK ON STRIP MALLS, LIGHT COMMERCIAL, TENANT IMPROVEMENT AND REMODEL WORK	$ 61.73	26.81
PLUMBER, PIPEFITTER, STEAMFITTER: WORK ONLY ON NEW ADDITIONS AND REMODELING OF COMMERCIAL BUILDINGS, BARS, RESTAURANTS, AND STORES NOT TO EXCEED 5,000 SQ. FT. OF FLOOR SPACE	$ 59.85	25.83
PLUMBER, PIPEFITTER, STEAMFITTER: CAMP PENDLETON; VANDENBERG AIR FORCE BASE	$ 66.23	26.81

PLUM0016-011 09/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (RESIDENTIAL)	$ 48.83	22.73

PLUM0345-001 09/01/2025

	Rates	Fringes
PLUMBER (SEWER & STORM DRAIN WORK)	$ 48.84	23.58
PLUMBER (LANDSCAPE/IRRIGATION FITTER)	$ 44.75	26.20

ROOF0045-001 07/01/2024

	Rates	Fringes
ROOFER	$ 42.80	12.64

SFCA0669-001 01/01/2026

	Rates	Fringes
SPRINKLER FITTER	$ 52.53	28.19

SHEE0206-001 01/01/2025

	Rates	Fringes
SHEET METAL WORKER (SHEET METAL TECHNICIAN) SHEET METAL TECHNICIAN - SCOPE: a. Existing residential buildings, both single and multi-family, where each unit is heated and/or cooled by a separate system b. New single family residential buildings including tracts. c. New multi-family residential buildings, not exceeding five stories of living space in height, provided each unit is heated or cooled by a separate system. Hotels and motels are excluded. d. LIGHT COMMERCIAL WORK: Any sheet metal, heating and air conditioning work performed on a project where the total construction cost, excluding land, is under $1,000,000 e. TENANT IMPROVEMENT WORK: Any work necessary to finish		

interior spaces to conform to the occupants of
commercial buildings, after completion of the
building shell.....$ 38.65 10.31
SHEET METAL WORKER (EXCEPT CAMP PENDLETON).....$ 51.45 30.92
SHEET METAL WORKER (CAMP PENDLETON).....$ 53.45 30.92

TEAM0166-001 07/01/2025

Rates Fringes

TRUCK DRIVERS: GROUP 7 REPAIRMAN FOOTNOTE: HAZMAT
PAY: WORK ON A HAZMAT JOB, WHERE HAZMAT
CERTIFICATION IS REQUIRED, SHALL BE PAID, IN
ADDITION TO THE CLASSIFICATION WORKING IN, AS
FOLLOWS: LEVELS A, B AND C - +$1.00 PER HOUR.
WORKERS SHALL BE PAID HAZMAT PAY IN INCREMENTS OF
FOUR (4) AND EIGHT (8) HOURS.....$ 45.31 27.07
TRUCK DRIVERS: GROUP 6 OFF-ROAD SPECIAL EQUIPMENT
(INCLUDING BUT NOT LIMITED TO WATER PULL TANKERS,
ATHEY WAGONS, DJB, B70 WUCLIDS OR LIKE EQUIPMENT)
FOOTNOTE: HAZMAT PAY: WORK ON A HAZMAT JOB, WHERE
HAZMAT CERTIFICATION IS REQUIRED, SHALL BE PAID, IN
ADDITION TO THE CLASSIFICATION WORKING IN, AS
FOLLOWS: LEVELS A, B AND C - +$1.00 PER HOUR.
WORKERS SHALL BE PAID HAZMAT PAY IN INCREMENTS OF
FOUR (4) AND EIGHT (8) HOURS.....$ 43.80 27.07
TRUCK DRIVERS: GROUP 5 OFF-ROAD DUMP TRUCK 35 TONS
AND OVER, 7-AXLES OR MORE, TRANSIT MIX TRUCKS 8 YD
AND OVER, A-FRAME TRUCK, SWEDISH CRANES FOOTNOTE:
HAZMAT PAY: WORK ON A HAZMAT JOB, WHERE HAZMAT
CERTIFICATION IS REQUIRED, SHALL BE PAID, IN
ADDITION TO THE CLASSIFICATION WORKING IN, AS
FOLLOWS: LEVELS A, B AND C - +$1.00 PER HOUR.
WORKERS SHALL BE PAID HAZMAT PAY IN INCREMENTS OF
FOUR (4) AND EIGHT (8) HOURS.....$ 43.31 27.07
TRUCK DRIVERS: GROUP 4 OFF-ROAD DUMP TRUCK UNDER 35
TONS 4-AXLES BUT LESS THAN 7-AXLES, LOW-BED TRUCK &
TRAILER, TRANSIT MIX TRUCKS UNDER 8 YD, 3-AXLE
WATER TRUCK, EROSION CONTROL DRIVER, GROUT MIXER
TRUCK, DUMP CRETE 6.5YD AND OVER, DUMPSTER TRUCKS,
DW 10, DW 20 AND OVER, FUEL TRUCK AND DYNAMITE,
TRUCK GREASER, TRUCK MOUNTED MOBILE SWEEPER 2-AXLE
WINCH TRUCK FOOTNOTE: HAZMAT PAY: WORK ON A
HAZMAT JOB, WHERE HAZMAT CERTIFICATION IS REQUIRED,
SHALL BE PAID, IN ADDITION TO THE CLASSIFICATION
WORKING IN, AS FOLLOWS: LEVELS A, B AND C - +$1.00
PER HOUR. WORKERS SHALL BE PAID HAZMAT PAY IN
INCREMENTS OF FOUR (4) AND EIGHT (8) HOURS.....$ 43.11 27.07
TRUCK DRIVERS: GROUP 3- 2-AXLE WATER TRUCK, 3-AXLE
DUMP TRUCK, 3-AXLE FLAT BED, EROSION CONTROL
NOZZLEMAN, DUMP CRETE TRUCK UNDER 6.5 YD, FORKLIFT
15,000 LBS AND OVER, PRELL TRUCK, PIPELINE WORK
TRUCK DRIVER, ROAD OIL SPREADER, CEMENT DISTRIBUTOR
OR SLURRY DRIVER, BOOTMAN, ROSS CARRIER FOOTNOTE:
HAZMAT PAY: WORK ON A HAZMAT JOB, WHERE HAZMAT
CERTIFICATION IS REQUIRED, SHALL BE PAID, IN
ADDITION TO THE CLASSIFICATION WORKING IN, AS
FOLLOWS: LEVELS A, B AND C - +$1.00 PER HOUR.
WORKERS SHALL BE PAID HAZMAT PAY IN INCREMENTS OF
FOUR (4) AND EIGHT (8) HOURS.....$ 42.91 27.07
TRUCK DRIVERS: GROUP 2- 2-AXLE DUMP TRUCK, 2-AXLE
FLAT BED,CONCRETE PUMPING TRUCK, INDUSTRIAL LIFT
TRUCK, MOTORIZED TRAFFIC CONTROL, PICKUP TRUCK ON
JOBSITE FOOTNOTE: HAZMAT PAY: WORK ON A HAZMAT
JOB, WHERE HAZMAT CERTIFICATION IS REQUIRED, SHALL
BE PAID, IN ADDITION TO THE CLASSIFICATION WORKING
IN, AS FOLLOWS: LEVELS A, B AND C - +$1.00 PER
HOUR. WORKERS SHALL BE PAID HAZMAT PAY IN
INCREMENTS OF FOUR (4) AND EIGHT (8) HOURS.....$ 42.71 27.07
TRUCK DRIVERS: GROUP 1 FUEL MAN, SWAMPER FOOTNOTE:
HAZMAT PAY: WORK ON A HAZMAT JOB, WHERE HAZMAT
CERTIFICATION IS REQUIRED, SHALL BE PAID, IN
ADDITION TO THE CLASSIFICATION WORKING IN, AS
FOLLOWS: LEVELS A, B AND C - +$1.00 PER HOUR.

WORKERS SHALL BE PAID HAZMAT PAY IN INCREMENTS OF
FOUR (4) AND EIGHT (8) HOURS.....$ 32.12 27.07

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject
to the Davis-Bacon Act that were awarded on or between January 1,
2015 and January 29, 2022, and that have not been renewed or
extended on or after January 30, 2022. Executive Order 13658 does
not apply to contracts subject only to the Davis-Bacon Related Acts
regardless of when they were awarded. If a contract is subject to
Executive Order 13658, the contractor must pay all covered workers
at least $13.65 per hour (or the applicable wage rate listed on this
wage determination, if it is higher) for all hours spent performing on
the contract from May 11, 2026, through December 31, 2026. The
applicable Executive Order minimum wage rate will be adjusted annually.
Additional information on contractor requirements and worker
protections under Executive Order 13658 is available at
www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications
and wage rates that have been found to be prevailing for the
type(s) of construction and geographic area covered by the wage
determination. The classifications are listed in alphabetical
order under rate identifiers indicating whether the particular
rate is a union rate (current union negotiated rate), a survey
rate, a weighted union average rate, a state adopted rate, or a
supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than
SU, UAVG, SA, or SC denotes that a union rate was
prevailing for that classification in the survey. Example:
PLUM0198-005 07/01/2024. PLUM is an identifier of the union
whose collectively bargained rate prevailed in the survey for
this classification, which in this example would be Plumbers.
0198 indicates the local union number or district council
number where applicable, i.e., Plumbers Local 0198. The next
number, 005 in the example, is an internal number used in
processing the wage determination. The date, 07/01/2024 in the
example, is the effective date of the most current negotiated
rate.

Union prevailing wage rates are updated to reflect all changes
over time that are reported to WHD in the rates
in the collective bargaining agreement (CBA) governing the

classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ⿰SU⿰ identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

⿰SU⿰ wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ⿰SA⿰ identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ⿰SA⿰ identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION

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REGISTER OF WAGE DETERMINATIONS UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON D.C. 20210

Daniel W. Simms
Director

Division of Wage Determinations

Wage Determination No.: 2015-5635
Revision No.: 30
Date Of Last Revision: 5/13/2026

State: California

Area: California Counties of San Diego

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I		21.65
01012 - Accounting Clerk II		24.29
01013 - Accounting Clerk III		27.17
01020 - Administrative Assistant		39.73
01035 - Court Reporter		37.37
01041 - Customer Service Representative I		18.43
01042 - Customer Service Representative II		20.11
01043 - Customer Service Representative III		22.57
01051 - Data Entry Operator I		18.89
01052 - Data Entry Operator II		20.60
01060 - Dispatcher, Motor Vehicle		23.31
01070 - Document Preparation Clerk		22.21
01090 - Duplicating Machine Operator		22.21
01111 - General Clerk I		19.22
01112 - General Clerk II		20.97
01113 - General Clerk III		23.54
01120 - Housing Referral Assistant		26.34
01141 - Messenger Courier		20.08
01191 - Order Clerk I		20.46
01192 - Order Clerk II		22.32
01261 - Personnel Assistant (Employment) I		20.99
01262 - Personnel Assistant (Employment) II		23.48
01263 - Personnel Assistant (Employment) III		26.17
01270 - Production Control Clerk		31.24
01290 - Rental Clerk		18.83
01300 - Scheduler, Maintenance		21.12
01311 - Secretary I		21.12
01312 - Secretary II		23.62
01313 - Secretary III		26.34
01320 - Service Order Dispatcher		20.84
01410 - Supply Technician		39.73
01420 - Survey Worker		23.42
01460 - Switchboard Operator/Receptionist		20.00
01531 - Travel Clerk I		19.20
01532 - Travel Clerk II		20.96
01533 - Travel Clerk III		23.17
01611 - Word Processor I		19.33
01612 - Word Processor II		21.70
01613 - Word Processor III		24.27
05000 - Automotive Service Occupations		
05005 - Automobile Body Repairer, Fiberglass		29.70
05010 - Automotive Electrician		27.76
05040 - Automotive Glass Installer		26.17
05070 - Automotive Worker		26.17
05110 - Mobile Equipment Servicer		23.01
05130 - Motor Equipment Metal Mechanic		29.34
05160 - Motor Equipment Metal Worker		26.17
05190 - Motor Vehicle Mechanic		29.34
05220 - Motor Vehicle Mechanic Helper		21.43
05250 - Motor Vehicle Upholstery Worker		24.57
05280 - Motor Vehicle Wrecker		26.17
05310 - Painter, Automotive		27.76
05340 - Radiator Repair Specialist		26.17
05370 - Tire Repairer		18.34
05400 - Transmission Repair Specialist		29.34
07000 - Food Preparation And Service Occupations		
07010 - Baker		18.78

07041 - Cook I		21.56
07042 - Cook II		24.53
07070 - Dishwasher		17.77
07130 - Food Service Worker		18.33
07210 - Meat Cutter		21.48
07260 - Waiter/Waitress		16.85
09000 - Furniture Maintenance And Repair Occupations		
09010 - Electrostatic Spray Painter		26.68
09040 - Furniture Handler		16.62
09080 - Furniture Refinisher		24.12
09090 - Furniture Refinisher Helper		19.46
09110 - Furniture Repairer, Minor		22.32
09130 - Upholsterer		23.48
11000 - General Services And Support Occupations		
11030 - Cleaner, Vehicles		17.37
11060 - Elevator Operator		17.79
11090 - Gardener		26.05
11122 - Housekeeping Aide		17.79
11150 - Janitor		17.79
11210 - Laborer, Grounds Maintenance		20.71
11240 - Maid or Houseman		18.71
11260 - Pruner		19.44
11270 - Tractor Operator		24.27
11330 - Trail Maintenance Worker		20.71
11360 - Window Cleaner		18.96
12000 - Health Occupations		
12010 - Ambulance Driver		19.71
12011 - Breath Alcohol Technician		33.34
12012 - Certified Occupational Therapist Assistant		40.86
12015 - Certified Physical Therapist Assistant		40.24
12020 - Dental Assistant		23.45
12025 - Dental Hygienist		57.40
12030 - EKG Technician		38.32
12035 - Electroneurodiagnostic Technologist		38.32
12040 - Emergency Medical Technician		19.71
12071 - Licensed Practical Nurse I		29.81
12072 - Licensed Practical Nurse II		33.34
12073 - Licensed Practical Nurse III		37.16
12100 - Medical Assistant		22.97
12130 - Medical Laboratory Technician		33.77
12160 - Medical Record Clerk		24.07
12190 - Medical Record Technician		26.92
12195 - Medical Transcriptionist		26.28
12210 - Nuclear Medicine Technologist		75.09
12221 - Nursing Assistant I		16.26
12222 - Nursing Assistant II		18.30
12223 - Nursing Assistant III		19.97
12224 - Nursing Assistant IV		22.41
12235 - Optical Dispenser		27.27
12236 - Optical Technician		25.44
12250 - Pharmacy Technician		23.82
12280 - Phlebotomist		25.75
12305 - Radiologic Technologist		51.31
12311 - Registered Nurse I		36.07
12312 - Registered Nurse II		44.11
12313 - Registered Nurse II, Specialist		44.11
12314 - Registered Nurse III		53.37
12315 - Registered Nurse III, Anesthetist		53.37
12316 - Registered Nurse IV		63.99
12317 - Scheduler (Drug and Alcohol Testing)		41.30
12320 - Substance Abuse Treatment Counselor		27.63
13000 - Information And Arts Occupations		
13011 - Exhibits Specialist I		26.15
13012 - Exhibits Specialist II		32.39
13013 - Exhibits Specialist III		39.61
13041 - Illustrator I		28.11
13042 - Illustrator II		34.83
13043 - Illustrator III		42.59
13047 - Librarian		39.96
13050 - Library Aide/Clerk		21.66
13054 - Library Information Technology Systems Administrator		36.08
13058 - Library Technician		24.05
13061 - Media Specialist I		26.04
13062 - Media Specialist II		29.13
13063 - Media Specialist III		32.46
13071 - Photographer I		21.49
13072 - Photographer II		24.03
13073 - Photographer III		29.78
13074 - Photographer IV		36.42
13075 - Photographer V		44.06
13090 - Technical Order Library Clerk		27.20
13110 - Video Teleconference Technician		27.74
14000 - Information Technology Occupations		
14041 - Computer Operator I		24.25
14042 - Computer Operator II		27.12
14043 - Computer Operator III		30.23
14044 - Computer Operator IV		33.60
14045 - Computer Operator V		37.21
14071 - Computer Programmer I	(see 1)	
14072 - Computer Programmer II	(see 1)	
14073 - Computer Programmer III	(see 1)	
14074 - Computer Programmer IV	(see 1)	

14101 - Computer Systems Analyst I	(see 1)	
14102 - Computer Systems Analyst II	(see 1)	
14103 - Computer Systems Analyst III	(see 1)	
14150 - Peripheral Equipment Operator		24.25
14160 - Personal Computer Support Technician		33.60
14170 - System Support Specialist		37.21
15000 - Instructional Occupations		
15010 - Aircrew Training Devices Instructor (Non-Rated)		37.52
15020 - Aircrew Training Devices Instructor (Rated)		45.39
15030 - Air Crew Training Devices Instructor (Pilot)		54.42
15050 - Computer Based Training Specialist / Instructor		37.52
15060 - Educational Technologist		46.17
15070 - Flight Instructor (Pilot)		54.42
15080 - Graphic Artist		31.85
15085 - Maintenance Test Pilot, Fixed, Jet/Prop		54.42
15086 - Maintenance Test Pilot, Rotary Wing		54.42
15088 - Non-Maintenance Test/Co-Pilot		54.42
15090 - Technical Instructor		30.06
15095 - Technical Instructor/Course Developer		36.77
15110 - Test Proctor		24.26
15120 - Tutor		24.26
16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations		
16010 - Assembler		19.24
16030 - Counter Attendant		19.24
16040 - Dry Cleaner		21.99
16070 - Finisher, Flatwork, Machine		19.24
16090 - Presser, Hand		19.24
16110 - Presser, Machine, Drycleaning		19.24
16130 - Presser, Machine, Shirts		19.24
16160 - Presser, Machine, Wearing Apparel, Laundry		19.24
16190 - Sewing Machine Operator		22.91
16220 - Tailor		23.82
16250 - Washer, Machine		20.16
19000 - Machine Tool Operation And Repair Occupations		
19010 - Machine-Tool Operator (Tool Room)		35.69
19040 - Tool And Die Maker		41.79
21000 - Materials Handling And Packing Occupations		
21020 - Forklift Operator		21.98
21030 - Material Coordinator		31.24
21040 - Material Expediter		31.24
21050 - Material Handling Laborer		18.75
21071 - Order Filler		18.60
21080 - Production Line Worker (Food Processing)		21.98
21110 - Shipping Packer		21.19
21130 - Shipping/Receiving Clerk		21.19
21140 - Store Worker I		18.32
21150 - Stock Clerk		22.26
21210 - Tools And Parts Attendant		21.98
21410 - Warehouse Specialist		21.98
23000 - Mechanics And Maintenance And Repair Occupations		
23010 - Aerospace Structural Welder		42.46
23019 - Aircraft Logs and Records Technician		34.26
23021 - Aircraft Mechanic I		40.92
23022 - Aircraft Mechanic II		42.46
23023 - Aircraft Mechanic III		43.97
23040 - Aircraft Mechanic Helper		29.88
23050 - Aircraft, Painter		38.72
23060 - Aircraft Servicer		34.26
23070 - Aircraft Survival Flight Equipment Technician		38.72
23080 - Aircraft Worker		36.50
23091 - Aircrew Life Support Equipment (ALSE) Mechanic I		36.50
23092 - Aircrew Life Support Equipment (ALSE) Mechanic II		40.92
23110 - Appliance Mechanic		25.85
23120 - Bicycle Repairer		25.00
23125 - Cable Splicer		51.31
23130 - Carpenter, Maintenance		33.21
23140 - Carpet Layer		26.77
23160 - Electrician, Maintenance		36.18
23181 - Electronics Technician Maintenance I		34.15
23182 - Electronics Technician Maintenance II		36.22
23183 - Electronics Technician Maintenance III		38.28
23260 - Fabric Worker		31.87
23290 - Fire Alarm System Mechanic		33.24
23310 - Fire Extinguisher Repairer		29.84
23311 - Fuel Distribution System Mechanic		44.52
23312 - Fuel Distribution System Operator		34.91
23370 - General Maintenance Worker		24.83
23380 - Ground Support Equipment Mechanic		40.92
23381 - Ground Support Equipment Servicer		34.26
23382 - Ground Support Equipment Worker		36.50
23391 - Gunsmith I		29.84
23392 - Gunsmith II		33.95
23393 - Gunsmith III		38.06
23410 - Heating, Ventilation And Air-Conditioning Mechanic		32.86
23411 - Heating, Ventilation And Air Contidioning Mechanic (Research Facility)		34.11

23430 - Heavy Equipment Mechanic 35.52
23440 - Heavy Equipment Operator 39.78
23460 - Instrument Mechanic 37.59
23465 - Laboratory/Shelter Mechanic 36.01
23470 - Laborer 18.75
23510 - Locksmith 28.33
23530 - Machinery Maintenance Mechanic 32.08
23550 - Machinist, Maintenance 30.60
23580 - Maintenance Trades Helper 20.58
23591 - Metrology Technician I 37.59
23592 - Metrology Technician II 39.03
23593 - Metrology Technician III 40.41
23640 - Millwright 38.06
23710 - Office Appliance Repairer 22.81
23760 - Painter, Maintenance 24.12
23790 - Pipefitter, Maintenance 33.60
23810 - Plumber, Maintenance 31.79
23820 - Pneudraulic Systems Mechanic 38.06
23850 - Rigger 34.60
23870 - Scale Mechanic 33.95
23890 - Sheet-Metal Worker, Maintenance 37.87
23910 - Small Engine Mechanic 22.99
23931 - Telecommunications Mechanic I 33.75
23932 - Telecommunications Mechanic II 35.02
23950 - Telephone Lineman 42.50
23960 - Welder, Combination, Maintenance 30.19
23965 - Well Driller 37.40
23970 - Woodcraft Worker 38.06
23980 - Woodworker 29.84

24000 - Personal Needs Occupations
24550 - Case Manager 25.44
24570 - Child Care Attendant 18.26
24580 - Child Care Center Clerk 22.76
24610 - Chore Aide 16.85
24620 - Family Readiness And Support Services Coordinator 25.44
24630 - Homemaker 25.44

25000 - Plant And System Operations Occupations
25010 - Boiler Tender 38.26
25040 - Sewage Plant Operator 38.17
25070 - Stationary Engineer 38.26
25190 - Ventilation Equipment Tender 27.94
25210 - Water Treatment Plant Operator 38.17

27000 - Protective Service Occupations
27004 - Alarm Monitor 35.43
27007 - Baggage Inspector 19.89
27008 - Corrections Officer 38.49
27010 - Court Security Officer 35.70
27030 - Detection Dog Handler 23.51
27040 - Detention Officer 38.49
27070 - Firefighter 34.73
27101 - Guard I 19.89
27102 - Guard II 23.51
27131 - Police Officer I 47.40
27132 - Police Officer II 52.66

28000 - Recreation Occupations
28041 - Carnival Equipment Operator 21.14
28042 - Carnival Equipment Repairer 22.69
28043 - Carnival Worker 16.93
28210 - Gate Attendant/Gate Tender 22.67
28310 - Lifeguard 19.94
28350 - Park Attendant (Aide) 25.36
28510 - Recreation Aide/Health Facility Attendant 18.51
28515 - Recreation Specialist 31.41
28630 - Sports Official 20.20
28690 - Swimming Pool Operator 25.82

29000 - Stevedoring/Longshoremen Occupational Services
29010 - Blocker And Bracer 35.11
29020 - Hatch Tender 35.11
29030 - Line Handler 35.11
29041 - Stevedore I 32.96
29042 - Stevedore II 37.26

30000 - Technical Occupations
30010 - Air Traffic Control Specialist, Center (HFO) (see 2) 52.63
30011 - Air Traffic Control Specialist, Station (HFO) (see 2) 36.29
30012 - Air Traffic Control Specialist, Terminal (HFO) (see 2) 39.96
30021 - Archeological Technician I 23.98
30022 - Archeological Technician II 26.82
30023 - Archeological Technician III 33.23
30030 - Cartographic Technician 33.23
30040 - Civil Engineering Technician 38.23
30051 - Cryogenic Technician I 36.80
30052 - Cryogenic Technician II 40.63
30061 - Drafter/CAD Operator I 23.98
30062 - Drafter/CAD Operator II 26.82
30063 - Drafter/CAD Operator III 29.89
30064 - Drafter/CAD Operator IV 36.80
30081 - Engineering Technician I 20.92
30082 - Engineering Technician II 23.48

30083 - Engineering Technician III		26.26
30084 - Engineering Technician IV		32.53
30085 - Engineering Technician V		39.78
30086 - Engineering Technician VI		48.13
30090 - Environmental Technician		26.64
30095 - Evidence Control Specialist		33.23
30210 - Laboratory Technician		26.99
30221 - Latent Fingerprint Technician I		41.51
30222 - Latent Fingerprint Technician II		45.86
30240 - Mathematical Technician		40.69
30361 - Paralegal/Legal Assistant I		24.61
30362 - Paralegal/Legal Assistant II		30.48
30363 - Paralegal/Legal Assistant III		37.28
30364 - Paralegal/Legal Assistant IV		45.11
30375 - Petroleum Supply Specialist		40.63
30390 - Photo-Optics Technician		33.23
30395 - Radiation Control Technician		40.63
30461 - Technical Writer I		33.28
30462 - Technical Writer II		40.70
30463 - Technical Writer III		49.24
30491 - Unexploded Ordnance (UXO) Technician I		33.45
30492 - Unexploded Ordnance (UXO) Technician II		40.47
30493 - Unexploded Ordnance (UXO) Technician III		48.51
30494 - Unexploded (UXO) Safety Escort		33.45
30495 - Unexploded (UXO) Sweep Personnel		33.45
30501 - Weather Forecaster I		36.80
30502 - Weather Forecaster II		44.76
30620 - Weather Observer, Combined Upper Air Or Surface Programs	(see 2)	29.89
30621 - Weather Observer, Senior	(see 2)	33.23
31000 - Transportation/Mobile Equipment Operation Occupations		
31010 - Airplane Pilot		40.47
31020 - Bus Aide		19.49
31030 - Bus Driver		26.18
31043 - Driver Courier		19.62
31260 - Parking and Lot Attendant		17.37
31290 - Shuttle Bus Driver		18.97
31310 - Taxi Driver		15.95
31361 - Truckdriver, Light		21.07
31362 - Truckdriver, Medium		22.50
31363 - Truckdriver, Heavy		28.60
31364 - Truckdriver, Tractor-Trailer		28.60
99000 - Miscellaneous Occupations		
99020 - Cabin Safety Specialist		19.73
99030 - Cashier		17.36
99050 - Desk Clerk		18.35
99095 - Embalmer		26.87
99130 - Flight Follower		33.45
99251 - Laboratory Animal Caretaker I		20.24
99252 - Laboratory Animal Caretaker II		21.73
99260 - Marketing Analyst		38.20
99310 - Mortician		24.43
99410 - Pest Controller		21.92
99510 - Photofinishing Worker		21.35
99710 - Recycling Laborer		32.83
99711 - Recycling Specialist		38.45
99730 - Refuse Collector		30.80
99810 - Sales Clerk		17.59
99820 - School Crossing Guard		23.84
99830 - Survey Party Chief		34.45
99831 - Surveying Aide		22.51
99832 - Surveying Technician		31.33
99840 - Vending Machine Attendant		18.56
99841 - Vending Machine Repairer		22.67
99842 - Vending Machine Repairer Helper		18.56

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors, applies to all contracts subject to the Service Contract Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is the victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Note: Executive Order 13658 generally applies to contracts subject to the Service Contract Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the cor
Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: $5.55 per hour, up to 40 hours per week, or $222.00 per week or $962.00 per month

HEALTH & WELFARE EO 13706: $5.09 per hour, up to 40 hours per week, or $203.60 per week, or $882.27 per month*

*This rate is to be used only when compensating employees for performance on an SCA-covered contract also covered by EO 13706, Establishing Paid Sick Leave for Federal Contractors. A contractor may not receive credit toward its SCA obligations for any paid sick leave provided pursuant to EO 13706.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor, 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of eleven paid holidays per year: New Year's Day, Martin Luther King Jr.'s Birthday, Washington's Birthday, Memorial Day, Juneteenth National Independence Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) COMPUTER EMPLOYEES: This wage determination does not apply to any individual employed in a bona fide executive, administrative, or professional capacity, as defined in 29 C.F.R. Part 541. (See 41 C.F.R. 6701(3)). Because most Computer Systems Analysts and Computer Programmers who are paid at least $27.63 per hour (or at least $684 per week if paid on a salary or fee basis) likely qualify as exempt computer professionals under 29 U.S.C. 213(a)(1) and 29 U.S.C. 213(a)(17), this wage determination may not include wage rates for all occupations within those job families. In such instances, a conformance will be necessary if there are nonexempt employees in these job families working on the contract.

Job titles vary widely and change quickly in the computer industry, and are not determinative of whether an employee is an exempt computer professional. To be exempt, computer employees who satisfy the compensation requirements must also have a primary duty that consists of:

(1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;

(2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;

(3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or

(4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

Any computer employee who meets the applicable compensation requirements and the above duties test qualifies as an exempt computer professional under both section 13(a)(1) and section 13(a)(17) of the Fair Labor Standards Act. (Field Assistance Bulletin No. 2006-3 (Dec. 14, 2006)). Accordingly, this wage determination will not apply to any exempt computer employee regardless of which of these two exemptions is utilized.

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

** HAZARDOUS PAY DIFFERENTIAL **

An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving re-grading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage

determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of $3.35 per week (or $.67 cents per day). However, in those instances where the uniforms furnished are made of """"wash and wear"""" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

** SERVICE CONTRACT ACT DIRECTORY OF OCCUPATIONS **

The duties of employees under job titles listed are those described in the """"Service Contract Act Directory of Occupations"""", Fifth Edition (Revision 1), dated September 2015, unless otherwise indicated.

** REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE, Standard Form 1444 (SF-1444) **

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination (See 29 CFR 4.6(b)(2)(i)). Such conforming procedures shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees (See 29 CFR 4.6(b)(2)(ii)). The Wage and Hour Division shall make a final determination of conformed classification, wage rate, and/or fringe benefits which shall be paid to all employees performing in the classification from the first day of work on which contract work is performed by them in the classification. Failure to pay such unlisted employees the compensation agreed upon by the interested parties and/or fully determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract. (See 29 CFR 4.6(b)(2)(v)). When multiple wage determinations are included in a contract, a separate SF-1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).

2) After contract award, the contractor prepares a written report listing in order the proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the U.S. Department of Labor, Wage and Hour Division, for review (See 29 CFR 4.6(b)(2)(ii)).

4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour Division's decision to the contractor.

6) Each affected employee shall be furnished by the contractor with a written copy of such determination or it shall be posted as a part of the wage determination (See 29 CFR 4.6(b)(2)(iii)).

Information required by the Regulations must be submitted on SF-1444 or bond paper.

When preparing a conformance request, the """"Service Contract Act Directory of Occupations"""" should be used to compare job definitions to ensure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination (See 29 CFR 4.152(c)(1))."""

Section 4 - Solicitation Provisions

52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

www.acquisition.gov/browse/index/far (FAR)
www.va.gov/oal/library/vaar/index.asp (VAAR)

_____
[Insert one or more Internet addresses]

(End of provision)

Provision	Title	Fill-ins
52.203-11	Certification And Disclosure Regarding Payments to Influence Certain Federal Transactions (Sept 2024)	
52.203-18	Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements--Representation (Jan 2017)	
52.204-7 (DEV)	System for Award Management - Registration (NOV 2024) (DEVIATION NOV 2025)	
52.212-1 (DEV)	Instructions to Offerors-Commercial Products and Commercial Services (SEP 2023) (DEVIATION AUG 2025)	
852.209-70	ORGANIZATIONAL CONFLICTS OF INTEREST (OCT 2020)	
852.233-70	PROTEST CONTENT/ALTERNATIVE DISPUTE RESOLUTION (OCT 2018)	
852.233-71	ALTERNATE PROTEST PROCEDURE (OCT 2018)	

52.209-7 Information Regarding Responsibility Matters (Oct 2018)

(a) *Definitions*. As used in this provision--

"Administrative proceeding" means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (*e.g.*, Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

"Federal contracts and grants with total value greater than $10,000,000" means--

(1) The total value of all current, active contracts and grants, including all priced options; and

(2) The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

"Principal" means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (*e.g*., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror __ has __ does not have current active Federal contracts and grants with total value greater than $10,000,000.

(c) If the offeror checked "has" in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

(1) Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

(i) In a criminal proceeding, a conviction.

(ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of $5,000 or more.

(iii) In an administrative proceeding, a finding of fault and liability that results in--

(A) The payment of a monetary fine or penalty of $5,000 or more; or

(B) The payment of a reimbursement, restitution, or damages in excess of $100,000.

(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management, which can be accessed via *https://www.sam.gov* (see 52.204-7).

(End of provision)

52.212-2 (DEV) Evaluation-Commercial Products and Commercial Services (NOV 2021) (DEVIATION AUG 2025)

(a) Evaluation factors. The Government will award a contract resulting from this solicitation to the responsible Offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered. The following factors will be used to evaluate offers:

[Insert evaluation factors in the relative order of importance. For requests for proposals, state: Evaluation factors other than price when combined are [significantly more important than price/approximately equal to price/significantly less important] than price. For invitations for bids, list only price and price-related factors.]

Technical capability and Past Performance, when combined, is significantly more important than price.

(b) *Options (if applicable).* The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that an offer is unacceptable if the option prices are significantly unbalanced. The evaluation of options does not obligate the Government to exercise the option(s).

(c) *Notice of award*. A written notice of award or acceptance of an offer furnished to the successful Offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party. Before the offer’s specified

expiration time, the Government may accept an offer (or part of an offer), whether or not there are negotiations after its receipt, unless a written notice of withdrawal is received before award.

(End of provision)

52.215-1 Instructions to Offerors-Competitive Acquisition (Nov 2021)

(a) *Definitions*. As used in this provision--

"Discussions" are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

"In writing," "writing," or "written" means any worded or numbered expression that can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

"Proposal modification" is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

"Proposal revision" is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

"Time", if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) *Amendments to solicitations*. If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time specified in the amendment(s).

(c) *Submission, modification, revision, and withdrawal of proposals*.

(1) Unless other methods (*e.g.*, electronic commerce or facsimile) are permitted in the solicitation, proposals and modifications to proposals shall be submitted in paper media in sealed envelopes or packages (i) addressed to the office specified in the solicitation, and (ii) showing the time and date specified for receipt, the solicitation number, and the name and address of the offeror. Offerors using commercial carriers should ensure that the proposal is marked on the outermost wrapper with the information in paragraphs (c)(1)(i) and (c)(1)(ii) of this provision.

(2) The first page of the proposal must show--

(i) The solicitation number;

(ii) The name, address, and telephone and facsimile numbers of the offeror (and electronic address if available);

(iii) A statement specifying the extent of agreement with all terms, conditions, and provisions included in the solicitation and agreement to furnish any or all items upon which prices are offered at the price set opposite each item;

(iv) Names, titles, and telephone and facsimile numbers (and electronic addresses if available) of persons authorized to negotiate on the offeror's behalf with the Government in connection with this solicitation; and

(v) Name, title, and signature of person authorized to sign the proposal. Proposals signed by an agent shall be accompanied by evidence of that agent's authority, unless that evidence has been previously furnished to the issuing office.

(3) *Submission, modification, revision, and withdrawal of proposals*.

(i) Offerors are responsible for submitting proposals, and any modifications or revisions, so as to reach the Government office designated in the solicitation by the time specified in the solicitation. If no time is specified in the solicitation, the time for receipt is 4:30 p.m., local time, for the designated Government office on the date that proposal or revision is due.

(ii)(A) Any proposal, modification, or revision received at the Government office designated in the solicitation after the exact time specified for receipt of offers is "late" and will not be considered unless it is received before award is made, the Contracting Officer determines that accepting the late offer would not unduly delay the acquisition; and--

(1) If it was transmitted through an electronic commerce method authorized by the solicitation, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or

(2) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of offers and was under the Government's control prior to the time set for receipt of offers; or

(3) It is the only proposal received.

(B) However, a late modification of an otherwise successful proposal that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

(iii) Acceptable evidence to establish the time of receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

(iv) If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the office designated for receipt of proposals by the exact time specified in the solicitation, and urgent Government requirements preclude amendment of the solicitation, the time specified for receipt of proposals will be deemed to be extended to the same time of day specified in the solicitation on the first work day on which normal Government processes resume.

(v) Proposals may be withdrawn by written notice received at any time before award. Oral proposals in response to oral solicitations may be withdrawn orally. If the solicitation authorizes facsimile proposals, proposals may be withdrawn via facsimile received at any time before award, subject to the conditions specified in the provision at 52.215-5, Facsimile Proposals. Proposals may be withdrawn in person by an offeror or an authorized representative, if the identity of the person requesting withdrawal is established and the person signs a receipt for the proposal before award.

(4) Unless otherwise specified in the solicitation, the offeror may propose to provide any item or combination of items.

(5) Offerors shall submit proposals in response to this solicitation in English, unless otherwise permitted by the solicitation, and in U.S. dollars, unless the provision at FAR 52.225-17, Evaluation of Foreign Currency Offers, is included in the solicitation.

(6) Offerors may submit modifications to their proposals at any time before the solicitation closing date and time, and may submit modifications in response to an amendment, or to correct a mistake at any time before award.

(7) Offerors may submit revised proposals only if requested or allowed by the Contracting Officer.

(8) Proposals may be withdrawn at any time before award. Withdrawals are effective upon receipt of notice by the Contracting Officer.

(d) *Offer expiration date.* Proposals in response to this solicitation will be valid for the number of days specified on the solicitation cover sheet (unless a different period is proposed by the offeror).

(e) *Restriction on disclosure and use of data.* Offerors that include in their proposals data that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, shall--

(1) Mark the title page with the following legend:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed-in whole or in part-for any purpose other than to evaluate this proposal. If, however, a contract is awarded to this offeror as a result of-or in connection with-the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [*insert numbers or other identification of sheets*]; and

(2) Mark each sheet of data it wishes to restrict with the following legend:

Use or disclosure of data contained on this sheet is subject to the restriction on the title page of this proposal.

(f) *Contract award*.

(1) The Government intends to award a contract or contracts resulting from this solicitation to the responsible offeror(s) whose proposal(s) represents the best value after evaluation in accordance with the factors and subfactors in the solicitation.

(2) The Government may reject any or all proposals if such action is in the Government's interest.

(3) The Government may waive informalities and minor irregularities in proposals received.

(4) The Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a cost or price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

(5) The Government reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit cost or prices offered, unless the offeror specifies otherwise in the proposal.

(6) The Government reserves the right to make multiple awards if, after considering the additional administrative costs, it is in the Government's best interest to do so.

(7) Exchanges with offerors after receipt of a proposal do not constitute a rejection or counteroffer by the Government.

(8) The Government may determine that a proposal is unacceptable if the prices proposed are materially unbalanced between line items or subline items. Unbalanced pricing exists when, despite an acceptable total evaluated price, the price of one or more line items is significantly overstated or understated as indicated by the application of cost or price analysis techniques. A proposal may be rejected if the Contracting Officer determines that the lack of balance poses an unacceptable risk to the Government.

(9) If a cost realism analysis is performed, cost realism may be considered by the source selection authority in evaluating performance or schedule risk.

(10) A written award or acceptance of proposal mailed or otherwise furnished to the successful offeror within the time specified in the proposal shall result in a binding contract without further action by either party.

(11) If a post-award debriefing is given to requesting offerors, the Government shall disclose the following information, if applicable:

(i) The agency's evaluation of the significant weak or deficient factors in the debriefed offeror's offer.

(ii) The overall evaluated cost or price and technical rating of the successful and the debriefed offeror and past performance information on the debriefed offeror.

(iii) The overall ranking of all offerors, when any ranking was developed by the agency during source selection.

(iv) A summary of the rationale for award.

(v) For acquisitions of commercial products, the make and model of the product to be delivered by the successful offeror.

(vi) Reasonable responses to relevant questions posed by the debriefed offeror as to whether source-selection procedures set forth in the solicitation, applicable regulations, and other applicable authorities were followed by the agency.

(End of provision)

52.216-1 (DEV) Type of Contract (APR 1984) (DEVIATION NOV 2025)

The Government contemplates award of a fixed-price, IDIQ [Contracting Officer insert specific type of contract] contract resulting from this solicitation.

(End of provision)

52.225-2 Buy American Certificate (Oct 2022)

(a)(1) The Offeror certifies that each end product, except those listed in paragraph (b) of this provision, is a domestic end product and that each domestic end product listed in paragraph (c) of this provision contains a critical component.

(2) The Offeror shall list as foreign end products those end products manufactured in the United States that do not qualify as domestic end products. For those foreign end products that do not consist wholly or predominantly of iron or steel or a combination of both, the Offeror shall also indicate whether these foreign end products exceed 55 percent domestic content, except for those that are COTS items. If the percentage of the domestic content is unknown, select "no".

(3) The Offeror shall separately list the line item numbers of domestic end products that contain a critical component (see FAR 25.105).

(4) The terms "commercially available off-the-shelf (COTS) item," "critical component," "domestic end product," "end product," and "foreign end product" are defined in the clause of this solicitation entitled "Buy American-Supplies."

(b) Foreign End Products:

Line item No.	Country of origin	Exceeds 55% domestic content (yes/no)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

[*List as necessary*]

(c) Domestic end products containing a critical component:

Line Item No. _____

[*List as necessary*]

(d) The Government will evaluate offers in accordance with the policies and procedures of part 25 of the Federal Acquisition Regulation.

(End of provision)

52.233-2 (DEV) Service of Protest (SEP 2006) (DEVIATION NOV 2025)

(a) Protests, (as defined in FAR 33.102), that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), must be served on the Contracting Officer identified in the solicitation by obtaining written and dated acknowledgment of receipt from them.

(b) The copy of any protest must be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.252-5 Authorized Deviations in Provisions (Nov 2020)

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the provision.

(b) The use in this solicitation of any VA Acquisition Regulation (VAAR) [*insert regulation name*] (48 CFR Chapter 8) provision with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(End of clause)

852.252-70 SOLICITATION PROVISIONS OR CLAUSES INCORPORATED BY REFERENCE (JAN 2008)

The following provisions or clauses incorporated by reference in this solicitation must be completed by the offeror or prospective contractor and submitted with the quotation or offer. Copies of these provisions or clauses are available on the Internet at the web sites provided in the provision at FAR 52.252-1, Solicitation Provisions Incorporated by Reference, or the clause at FAR 52.252-2, Clauses Incorporated by Reference. Copies may also be obtained from the contracting officer.

[*Contracting officer shall list all FAR and 48 CFR Chapter 8 (VAAR) provisions and clauses incorporated by reference that must be completed by the offeror or prospective contractor and submitted with the quotation or offer.*]_____

(End of provision)

E.1 ADDENDUM TO FAR 52.212-1 – INSTRUCTIONS TO OFFERORS – COMMERCIAL ITEMS

Provisions that are incorporated by reference (by Citation Number, Title, and Date), have the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

The following provisions are incorporated into 52.212-1 as an addendum to this solicitation.

A. GENERAL INSTRUCTIONS: This section provides general guidance for preparing the proposal, as well as specific instructions on the format and content of the proposal. The Offeror's proposal must include all data and information requested and must be submitted in accordance with these instructions. Any Offeror who submits an incomplete package may have its proposal considered to be unacceptable and removed from consideration for contract award. The offer shall be compliant with the requirements as stated in the Solicitation. Non-compliance with the instructions to the Solicitation may result in an unfavorable proposal evaluation and may be grounds to eliminate the proposal from consideration for contract award.

Offeror should thoroughly review the specifications and become familiar with the requirement prior to submitting a proposal. Failure to understand the contract shall not relieve the successful Offeror from performing in accordance with the strict meaning and intent of the specifications. In addition, the use of Artificial Intelligence (AI) software to interpret the requirement is strongly discouraged.

Submission of Offerors. Offeror must complete and return a complete package of all items required prior to the time specified in the Solicitation to be considered for award.

Please review the following items before submitting your proposal:

[_____] Have you completed and sign the 1449?
[_____] Have you completed the Price Schedule (Miramar NC_PriceSched)?
[_____] Have you acknowledged any amendment (s), if applicable?
[_____] Have you included the requested information required for responding to the non-price and price evaluation factors?
[_____] Have you completed and signed the VAAR 852.219-75 VA NOTICE OF LIMITATIONS ON SUBCONTRACTING-CERTIFICATE OFCOMPLIANCE FOR SERVICES AND CONSTRUCTION (NOV 2022)?
[_____] Have you submitted two or more completed Past Performance Questionnaires?

B. TYPE OF ACQUISITION: This acquisition is a competitive solicitation. Award will be made to the offeror who represents the best value to the Government.

C. PERIOD OF ACCEPTANCE OF OFFERS: The Offeror agrees to hold prices in its offer firm for a period of sixty (60) calendar days from the closing date of the solicitation.

D. PAST PERFORMANCE: The Government reserves the right to obtain past performance information from any available source and may contact references other than those identified by the Offeror when determining responsibility.

E. POST-AWARD/PRE-PERFORMANCE CONFERENCE: A post-award/pre-performance conference will be scheduled by the Contracting Officer (CO) and held prior to the commencement of any work. The Offeror and/or their duly authorized representative(s) is/are required to attend the post-award/pre-

performance conference. The CO and COR shall meet with the Contractor to discuss details of the contract, the Guards sites and schedules, emergency contact information, handbook, and any other information pertinent to the performance of the contract.

F. POINTS OF CONTACT (POC): Written requests for clarification, questions, and/or concerns may be sent to the following:

Ralph Crum
Contracting Officer
Ralph.Crum@va.gov

G. VENDOR SITE VISIT

A Vendor Site Visit will be held at the Miramar National Cemetery, 5795 Nobel Drive, San Diego, CA 92122.

The Vendor Site Visit will be held in the Cemetery Admin Office on **June 24, 2026, at 830AM** Pacific Standard Time (PST).

RSVP: Due to the room size limitations, Offerors are encouraged to notify the Contracting Officer of their plan to attend. Notification should include Company Name, Address, Names of Attendees, and Phone No. Attendance Notification should be received by the Contracting Officer and COR via e-mail ralph.crum@va.gov and william.richardson9@va.gov no later than **June 23, 2026, at 3PM PST**.

Any questions must be submitted via email by **June 26, 2026, 5:00 PM PST** to: Ralph.Crum@va.gov. All questions shall be addressed via an amendment to the Solicitation.

Safety and Privacy Concerns: Participants should dress in comfortable clothing suited for indoor and outdoor conditions. Closed-toe shoes are encouraged for safety reasons.

NOTE 1: Questions raised during the site visit must be written and will be provided to the Contracting Officer for dissemination to all potential bidders. All questions raised after the site visit must be provided to the Contracting Officer in writing.

H. PROPOSAL SUBMISSION INSTRUCTIONS:

Submission via email to: Ralph.Crum@va.gov
Subject line: **36C78626R50138**_Company Name
Submission deadline: July 13, 2026, 5:00 PM PST

Do not make any changes to the files or the format of the files of the Solicitation and any attachments. Offerors who make any changes without prior written consent from the CO may be eliminated from further consideration.

- It is the Offeror's responsibility to ensure that documents are complete, and submission is viewable/ readable and arrives to the CO/CS by the date and time required.
- Please complete both the price schedule in the solicitation document as well as the **Price Schedule (**MIRAMAR NC_PriceSched**) (attachment)**. Please enter your proposed unit prices in column J. A formula will calculate the extended price in column M as well as the totals. Stated period of performance stated on spreadsheet will vary based on date of award.
- Any questions must be submitted via email by **June 26, 2026, 5:00 PM PST,** to: Ralph.Crum@va.gov. All questions shall be addressed via an amendment to the Solicitation.

- If any required documents are omitted with submission, the offer may be precluded from further consideration.

(End of Addendum to 52.212-1)

E.2 52.212-2 EVALUATION – COMMERCIAL ITEMS (OCT 2014)

(A) BASIS OF AWARD: This procurement is a best value source selection and is being conducted pursuant to FAR Part 15.103-1 procedures. The Government intends to award a single contract as a result of this solicitation, based on the evaluation factors listed below and whose offer represents the best value to the Government. A contract may be awarded to the offeror whose offer conforms to the solicitation's requirements (to include all stated terms, conditions, representations, certifications, and all other information required in the Performance Work Statement of this solicitation) and is judged by an overall assessment of the evaluation factors to represent the most advantageous to the Government. As part of making the assessment, a tradeoff analysis will be performed to determine whether exceeding the minimum requirements at an associated price provides the best value to the Government**.** The Government intends to evaluate offers and award a contract without discussions with offerors. However, the Government reserves the right to conduct discussions at any time if determined by the contracting officer to be in the Government's interest.

(B) AWARD FOR ALL OF THE WORK. The Government intends to award a single award contract as a result of this solicitation. Offers received for less than the stated number of items listed in the schedule may be considered ineligible for award.

(C) EVALUATION PROCESS: Evaluation Factors. Evaluation of offers will be made using procedures under RFO FAR Part 15.104. Offers will be evaluated in accordance with the following factors and sub-factors:

Factor 1: Technical Capability
Factor 2: Past Performance
Factor 3: Price

Relative Importance of Evaluation Factors:

Factor (1), Technical Capability, is equal to Factor (2), Past Performance. When combined, the two non-price factors are more important than Factor (3), Price.

FACTOR 1 – Technical Capability: The Offeror shall demonstrate understanding of the requirements of the Performance Work Statement and produce an offer that will meet those objectives. The offer will be evaluated based on the proposed approach to performing the work as listed in the subfactors below. Please provide documentation evidencing:

Subfactor 1a. Headstone Services. In twenty (20) pages or less, Reference PWS 5.1.

- Provide **Work Plan** including a clear definitive process on how the Contractor intends to complete the work involved in the Performance Work Statement in accordance with PWS 5.1.
- Work Plan must include plans for setting and re-setting upright marble headstones.
- Provide a list of subcontractors and work they will perform. Also include Schedule of Work, staffing plan, and list of equipment/vehicles, methodology /proposed man hours and mitigation of environment issues.

- Identify mandatory Site Manager to be present whenever work/services are being rendered. Include a 1-page resume with experience, qualifications, certifications, training, roles, and responsibilities for all key personnel.

List the number of employees and their titles/positions that will be on site on any given day and the work they will be assigned. GMC Staffing levels should be at a minimum of 1 full time equivalent (FTE) per 10.37 acres to achieve National Shrine Standards. Include copies of relevant, current licenses, permits, and insurance information.

Subfactor 1b. Turfgrass Management Plan**.** In twenty (20) pages or less, Reference PWS 5.3.

- Provide **Turfgrass Management Plan** showing all turf maintenance operations and application over the course of one year to maintain the turf health and appearance to National Shrine standards in accordance with PWS 5.3.
- Must include plans for turf renovation, fertilization, mowing, trimming, edging, aerification, and pest control.
- Turfgrass Management Plan must include plans for vegetation removal, sod preparation, soil amendment, fine grading and sodding and seeding. Provide a detailed description of how the operations are to be performed and rationale for each procedure in the plan.
- Must include pesticides, herbicides, and fertilizing application schedule, with product Safety Data Sheets (SDS).

Subfactor 1c. Irrigation Management Plan**.** In twenty (20) pages or less, Reference PWS 5.6.

- Provide **Irrigation Management Plan** describing overall experience of the company in performing this work, and qualifications of technical personnel, training, experience, certifications, licenses in accordance with PWS 5.6.
- Irrigation Management Plan must include plans for irrigation system maintenance and repair.
- Plan must describe methodologies for water conservation measures utilizing existing irrigation control system and equipment to ensure that irrigation water will be efficiently applied in correct amounts to ensure plant health while reducing water waste.

FACTOR 2 - Past Performance: The Government will evaluate the Past Performance of the Prime vendor (i.e. the offeror) proposed to perform a major portion of the requirement. The past performance evaluation factor assesses the degree of confidence the Government has in an offeror's ability to supply products and services that meet users' needs, based on a demonstrated record of performance. For evaluation of Past Performance, the Government may use information from any sources available to it including, but not limited to, other contracting officer's knowledge of performance, the Contract Performance Assessment Reporting System (CPARS) and the attached **Past Performance Questionnaire**.

Past performance questionnaire (see attachment in solicitation). Offerors shall provide no less than two (2) relevant past performance information for work performed comparable to the **Miramar National Cemetery** under contracts completed during the last five (5) years. The Government reserves the right to verify statements and representations made in an offeror's proposal. The offeror may include Federal, State and Local Government and private sector contracts. However, the Government will evaluate contract(s) the offeror has/had with a Federal Government Agency more favorably.

To obtain information, the Government may contact the points of contact listed by offerors, however, the Government is not required to contact the points of contact provided by offerors and may limit the number of references it decides to contact. The Government is also free to contact references other than those provided by the offeror to evaluate past performance of offerors.

Factor 3 – Price. This factor shall be used to assess the reasonableness of the Offeror's proposed price. For this factor, Offerors shall submit their Price Schedule of Services of this. Offerors are advised that if their proposed price exceeds the amount of funding available for this procurement for the base period of performance, their proposal may be rejected on that basis and be removed from further consideration for contract award.

(D) OPTIONS: The Government will evaluate quotes for award purposes by adding the total price for all options to the total price for the basic requirement. The Government may determine that a quote is unacceptable if the option prices are significantly unbalanced or if the proposed price for the basic requirement or any option exceeds the amount of funding available for any of those requirements. Evaluation of options shall not obligate the Government to exercise the option(s).

(End of provision)