

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
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2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 11)
CODE		FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	(Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED

Amendment: 0001
Solicitation: DACW63-00-T-0154
Install Water System, Malden Lake Park
Bowie County, Texas

- I. This solicitation is amended to incorporate missing documents as follows:
 - A. Incorporate the Bid Schedule consisting of 1 page.
 - B. Incorporate the Specifications consisting of 3 pages.
 - C. Incorporate Additional Information and Requirements Water Service to Campsites consisting of 1 page.
 - D. Incorporate Sketch consisting of 1 page.
 - E. Incorporate Vicinity Map consisting of 1 page.
 - F. The hour and date specified for receipt of offers is extended to: 28 September 2000, 1:00 p.m. local time.

WATER SYSTEM FOR MALDEN LAKE PARK

ITEM	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
Design and Plan	1	LS	\$ _____	\$ _____
2" PVC, Glue Type, Schedule 40 (Labor)	7,600	LF	\$ _____	\$ _____
2" PVC, Glue Type, Schedule 40 (Pipe)	7,600	LF	\$ _____	\$ _____
3/4" PVC, Glue-Type, Schedule 40 (Labor)	3,000	LF	\$ _____	\$ _____
3/4" PVC, Glue-Type, Schedule 40 (Pipe)	3,000	LF	\$ _____	\$ _____
2" Cast Iron, Mechanical Wedge Type Valve	8	EA	\$ _____	\$ _____
Valve Box for 2" Valves (Adjustable)	8	EA	\$ _____	\$ _____
3/4" PVC Ball Type Valve with Lever Handle	40	EA	\$ _____	\$ _____
6" PVC Valve Box	40	EA	\$ _____	\$ _____
Locator Wire, 16 Gauge	11,000	LF	\$ _____	\$ _____
Hydrants Assembly (Parts and Labor)	40	EA	\$ _____	\$ _____
3/4" Spring Check Valve	40	EA	\$ _____	\$ _____
3/4" Backflow Prevention Valve	40	EA	\$ _____	\$ _____
Concrete Pads for Hydrants (2' x 2' x 4"), Labor & Mat'ls	40	EA	\$ _____	\$ _____
Concrete Pads for 2" Valve Boxes (Labor & Mat'ls)	8	EA	\$ _____	\$ _____
Miscellaneous (Glue, Chlorine, Pipe Sealant, Cleaner, etc.)	1	LS	\$ _____	\$ _____
TOTAL				\$ _____

**SPECIFICATIONS FOR
INSTALLATION OF WATER SYSTEM TO CAMPSITES
MALDEN LAKE PARK, BOWIE COUNTY, TEXAS**

1. **Purpose.** Furnish all labor, equipment, and supplies to install a water system for forty campsites at Malden Lake Park. This park is located approximately 4 miles south of Maud, Texas on State Highway 8.

2. **General.** Two sizes of PVC water line will be used in this contract. Approximately 7,600 linear feet of 2" PVC water line will be used for the two loop roads. One loop will service twenty-three sites and the other will service seventeen sites. The 2" line will connect to an existing 4" valve. The water system will form a continuous loop to keep water moving and to provide the ability to back feed areas. Approximately 3,000 linear feet of ¾" PVC water line will be installed from 2" line to provide water to forty campsites at Malden Lake Park. A hydrant will be installed at each campsite.

3. **Pipe Specifications.**

a. The 2" water line shall be Schedule 40 pipe. Standard pipe lengths of twenty feet shall be used. Pipe shall also be stamped by National Sanitation Foundation (NSF) with manufacturer's Affidavit of Compliance and approved by Quality Assurance Representative (QAR).

b. Three-fourths inch water pipe shall be Schedule 40. Standard pipe lengths of twenty feet shall be used. Pipe shall also be stamped by National Sanitation Foundation (NSF) with manufacturer's Affidavit of Compliance.

4. **Hydrant.** Hydrants shall conform to attached drawings. A 2' x 2' x 4" concrete slab shall be poured around each hydrant. ASTM Specification markings on 8" PVC will be removed with cleaner. Care shall be given to protect surface of the 8" PVC and prevent scratching and other damages.

5. **Chlorine.** One-half pound of chlorine shall be installed every 200'.

6. **Joints.** Joints for 2" and ¾" water lines shall be glue type.

7. **Fittings and Appurtenances.** Fittings and appurtenances shall be made specifically for pipe utilized and also be stamped with the NSF seal of approval and approved by Contracting Officer Representative (COR).

8. **Locator Wire.** The Contractor will provide locator wire (THNN 16 gauge stranded, insulated copper). Wire will be continuous. Any splices must be soldered and taped.

9. **Valves.** A minimum of eight 2" valves will be installed in locations identified by the Government Representative. The 2" valves shall be cast-iron mechanical resilient wedge-type. A PVC ball-type valve will be installed at each campsite on the ¾" line.

10. **Valve Boxes.** Valve boxes for 2" valves shall be the adjustable cast iron type and have the capability to be extended. Valve boxes for 2" water line shall have a 2' x 2' x 4" pad of concrete poured at ground level. This pad will be 4" thick. Valve boxes for ¾" valves shall be 6" plastic type and approved by COR prior to installation. Valve boxes for ¾" line will not have a concrete pad.

11. **Joint Restraint System**

a. **Thrust Blocks.** Thrust blocks will be installed on all 2" fittings, bends, turns, and angles to prevent joints from any movement. Thrust blocks should bear on pipe and on trench wall. Class "B" concrete is acceptable. Thrust blocks at fittings should be permanent and constructed to withstand test pressure. Where cement thrust blocks are used, enough time to permit the cement to set must elapse before testing.

or

b. **Midco's Perma Grip.** If Thrust Blocks are not used, other options are Midco's PermaGrip Restrained Joint System or any restraint system approved by American Waterworks Association and Quality Assurance Representative of Corps of Engineers.

12. **Trench Width.** Trenching method and trench widths shall be a part of Design and Layout and will be approved by Quality Assurance Representative.

13. **Trench Depth.** Depth of trench shall be eighteen inches (18").

14. **Backfill.** The initial backfill should be of select material that is free from rocks and large dirt clods. Backfill should contain no rocks larger than 2" in diameter. Place initial backfill to a one foot minimum depth of cover over pipe. This should provide adequate weight of soil on the pipe so that expansion and contraction will be evenly distributed over each pipe length. Initial backfill shall be compacted when soil conditions warrant compaction. The remainder of backfill should be placed and spread in uniform layers in such a manner as to completely fill the trench with a uniformly dense backfill load on the pipe and avoid unfilled spaces in the backfill.

15. **Testing.** Test portions of the line as it is installed – before the entire line is completed. Before testing, all parts of the line should be backfilled and braced sufficiently to prevent movement under pressure. In setting up a section of line for tests, provisions for air relief valves should be made. Normal operating pressure shall be applied for tests. Measurement of the amount of additional water pumped in during the test provides a measurement of the amount of leakage, if any.

16. **Maintenance Period.** Contractor will be required to maintain water line during the first year. Maintenance will include all repairs, service, and testing. Also included will be the reshaping of ditch line after ditch settles due to water, weather, or natural settlement.

17. **Damages.** Trees that are destroyed or removed because of damage and were not authorized to be destroyed or damaged shall be replaced by the contractor at his own expense. Survival of replacements shall be guaranteed for one year by nursery grown trees of the same species and size as approved, and if feasible, as determined by the Quality Assurance Representative.

18. **Clean-Up.** All trash and debris resulting from Contractor's activities will be removed and disposed of at a location off the government project site.

19. **Drainage.** Any drainage necessary to evacuate water from ditch line or project site will be accomplished by Contractor with approval of Quality Assurance Representative.

20. **Other.** Any item not covered by above specifications shall revert to manufacturer's recommended installation procedures and be approved by Quality Assurance Representative for contract prior to any installation and/or assembly.

21. **Site Visit.** Site visit is recommended to ascertain site conditions. The work site is in a wooded area. Contact Craig McPherson at Lake Office by calling (903) 838-8781 to set up appointment.

22. **Payment.** Payment will be made upon completion of contract.

ADDITIONAL INFORMATION AND REQUIREMENTS WATER SERVICE TO CAMPSITES

Preconstruction Conference: A preconstruction conference will be held prior to starting work.

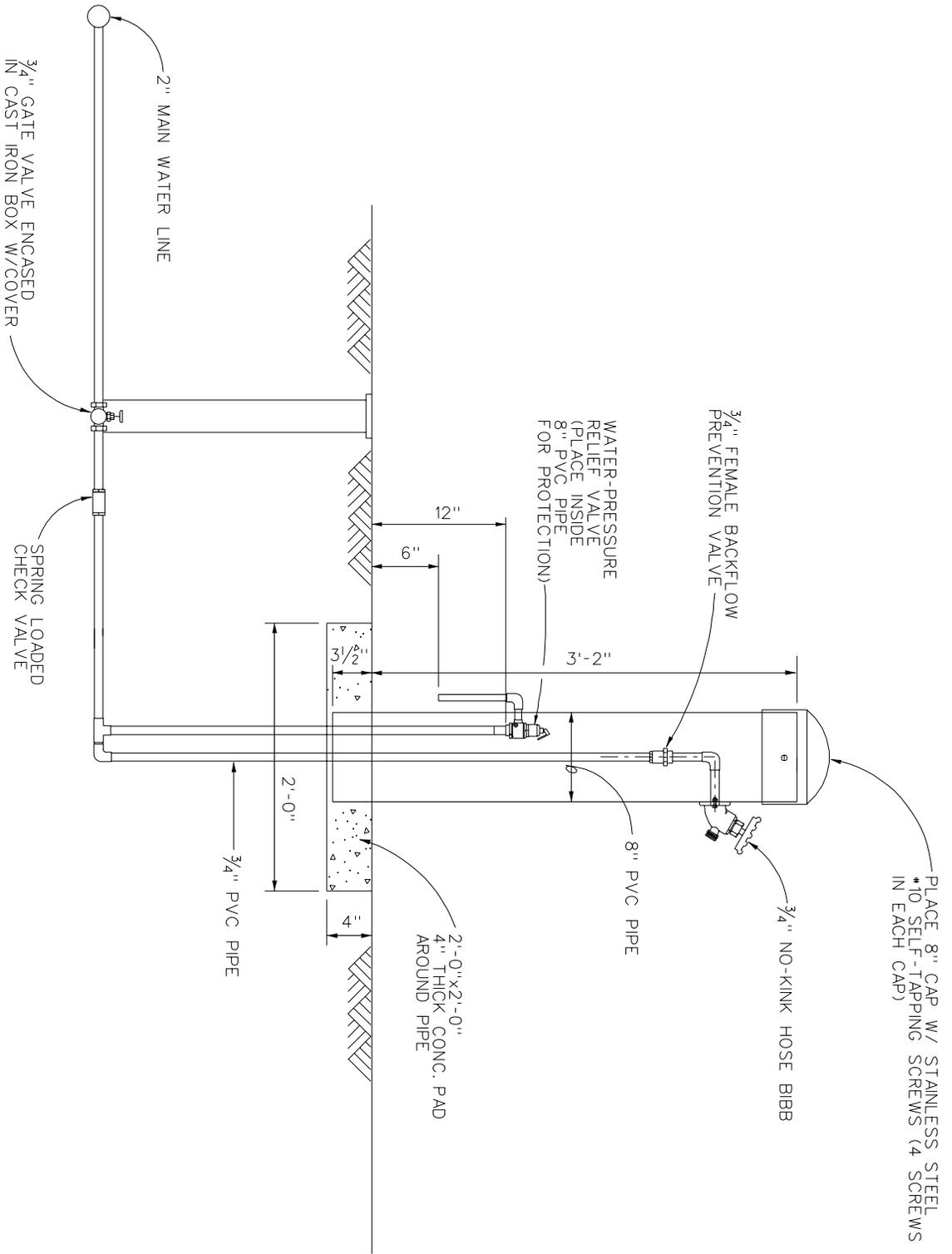
Delivery Schedule: After Award or Notice to Proceed has been issued, contractor will have ten (10) working days for Design and Layout. After approval of Design and Layout, contractor will have thirty (30) working days for installation.

Daily Reports: Daily reports will be completed each day to report work completed. These daily reports will be submitted to Quality Assurance Representative on a daily basis.

Submittals: In addition to Design and Layout, a Safety Plan with Activity Hazard Analysis, Quality Control Plan, and Environmental Control Plan will be submitted prior to start of work.

Payment: Payment will be made after contract has been completed and accepted by the Corps of Engineers.

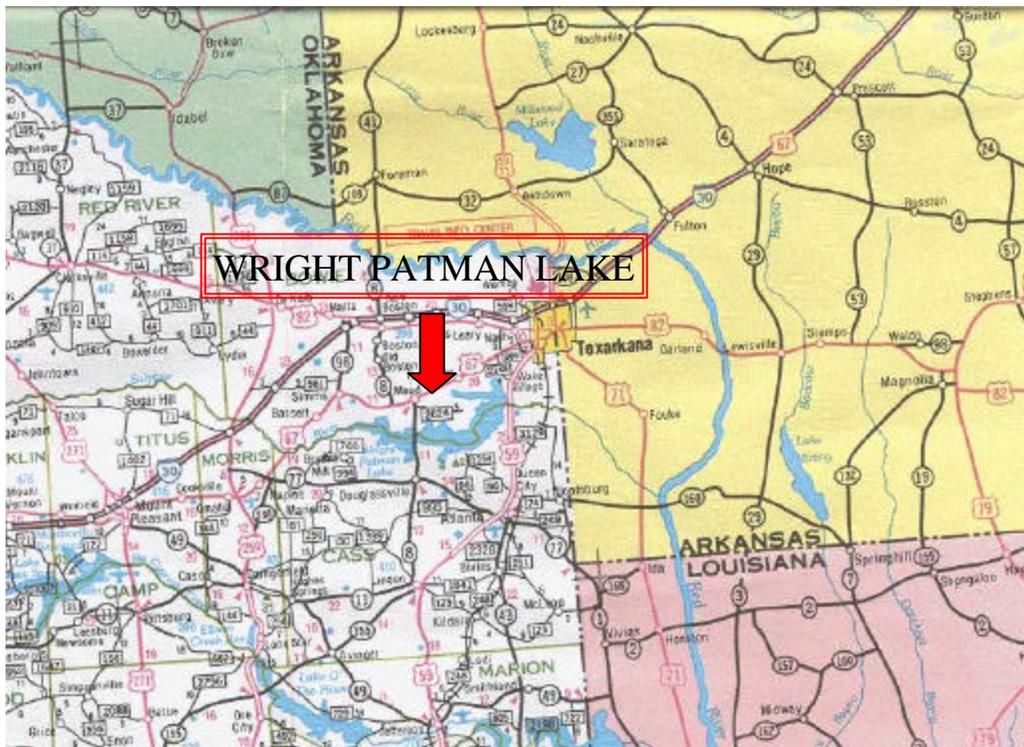
Point of Contacts: For information in referring to documentation of contract, contact Carla Burns. For interested bidders who have technical questions, point of contact is Craig McPherson. Phone number at Wright Patman Lake is (903) 838-8781. Fax number is (903) 832-6396.



SECTION B-B

NOT TO SCALE

VICINITY MAP WRIGHT PATMAN LAKE



BOWIE AND CASS COUNTIES, TEXAS