

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES	
				J	1	15
2. AMENDMENT/MODIFICATION NO. 0003		3. EFFECTIVE DATE 26-Jan-2006	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY USACE, CONTRACTING DIVISION ATTN: CEMVN-CT, ROOM 172 7400 LEAKE AVE. NEW ORLEANS LA 70118-3651		CODE W912P8	7. ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X	9A. AMENDMENT OF SOLICITATION NO. W912P8-06-R-0096	
				X	9B. DATED (SEE ITEM 11) 21-Jan-2006	
					10A. MOD. OF CONTRACT/ORDER NO.	
					10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS						
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer 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 <u>1</u> 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 you 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.						
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 <input type="checkbox"/> is not, <input type="checkbox"/> 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.) The above numbered solicitation for Lake Pontchartrain and Vicinity, New Orleans Area Plan Emergency Restoration, Interim Closure Structure, Orleans Avenue Canal, Orleans Parish, LA is hereby amended as follows: The scheduled proposal due date of 28 January 2006, 11:00 A.M. local time is unchanged.						
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)		
				TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)		26-Jan-2006	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

a. Description of Work.

(1). The Change.

(a). Perform the following Pen and Ink Changes to the specifications:

(2). Specifications.**MAIN TABLE OF CONTENTS**

(a). Section MAIN TABLE OF CONTENTS. Revise Section 02383, "Stone Protection and Bedding" to "Stone Protection".

Section 00010, BIDDING SCHEDULE

(b). Section 00010, Bidding Schedule. Delete Section 00010, "BIDDING SCHEDULE" in its entirety and replace with new Section 00010, "BIDDING SCHEDULE".

Section 02383, STONE PROTECTION AND BEDDING

(c). Section 02383. Delete Section 02383, "Stone Protection and Bedding" in its entirety and replace with new Section 02383, "Stone Protection"

Section 02315, STEEL H-PILES AND SHEET PILING

(d). Section 02315. Paragraph 2.1.2.1, In the first sentence, delete "ASTM A328/A 328M or".

(e). Section 02315. Paragraph 2.1.2.1.1, at the end of the section properties table, add the following new paragraph.

"At no additional cost to the Government, new Z- type hot rolled steel sheet piling conforming to ASTM A 572, Grade 50, meeting all section properties indicated above, may be substituted in kind for the PZ-27 and PZ-22 sheet piling surrounding the pump platform scour slab."

SECTION 00010 - BIDDING SCHEDULE

INTERIM CLOSURE STRUCTURE, ORLEANS AVENUE CANAL

Item	Description	Estimated Quantity	Unit	Unit Price	Total
0001	Mobilization and Demobilization	01	LS		
0002	Clearing and Grubbing	01	LS		
0003	Separator Geotextile	17,000	SY		
0004	Excavation	01	LS		
0005	Deleted Item	-----	-----		
0006	Graded Stone (Rip-Rap)	20,000	TON		
0007	Embankment, Semicompacted Fill	2,450	CY		
0008	Surfacing	80	TON		
0009	Chain Link Fence	300	LF		
0010	Fertilizing, Seeding, and Mulching	01	AC		
0011	Reinforced Concrete Cap	01	LS		
0012	Tremie Concrete	01	LS		
0013	Grout	01	LS		
0014	Pile Frames	01	LS		
0015	Needle Gates	6	EA		
0016	Sill Cap	01	LS		
0017	Steel H-Piles	21,400	LF		
0018	Steel Pipe Piles	2,400	LF		
0019	Piling, Steel Sheet, Type PZ 22	3,800	SF		
0020	Piling, Steel Sheet, Type PZ 27	23,400	SF		
0021	Piling, Steel Sheet, Type PS 27.5	56,800	SF		
0022	Sheet Pile Cells	01	LS		
0023	Discharge Pipes	01	LS		
0024	Pump Platforms	01	LS		
0025	Granular Fill	5,300	CY		
0026	Installation of Government Furnished Equipment	01	LS		
0027	Ground Improvement	01	LS		

SECTION 00010 - BIDDING SCHEDULE

INTERIM CLOSURE STRUCTURE, ORLEANS AVENUE CANAL

TOTAL

Award will be made as a whole to one bidder.

NOTE 1: Bidders shall furnish unit prices for each item listed in the Schedule of bid items which require unit prices. If the bidder fails to insert a unit price in the appropriate blank for required item(s), but does furnish an extended total, or an estimated amount for such items), the Government shall deem the unit price to be the quotient obtained by dividing the extended amount for that line item by the quantity. IF A BIDDER OMITTS BOTH THE UNIT PRICE AND THE EXTENDED TOTAL OR ESTIMATED AMOUNT FOR ANY ITEM, ITS BID

SHALL BE DECLARED NON-RESPONSIVE AND THEREFORE INELIGIBLE FOR AWARD.

NOTE 2: THE NOTICE TO PROCEED (NTP): The successful bidder is advised that performance and payment bonds shall be submitted in accordance with the time frame in block 12B of SF 1442 after Notice of Award. The NTP will be issued immediately after verification of acceptable performance and payment bonds. Within three (3) days after issuance of the NTP, the Contractor shall initiate a meeting to discuss the submittal process with the Area or Resident Engineer or his authorized representative. Physical work cannot start until the Accident Prevention Program, Contractor Quality Control Plan, and other submittals which may be required, have been submitted and approved and all preliminary meetings called for under the contract, have been conducted.

NOTE 3: Your response to this solicitation is limited to 15 pages, not including the Bid Schedule, Section 00600, Representations and Certifications, Bid Bond and Contracting Plan if required, with the font size no smaller than 10pt.

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SECTION 02383 - STONE PROTECTION

PART 1 GENERAL

1.1 SCOPE

The work provided for herein consists of furnishing all plant, labor, equipment and materials, and performing all operations in connection with the construction of the Riprap, stone protection, including foundation preparation around the closure structure inflow and outflow channels, in accordance with these specifications and the drawings.

1.2 REFERENCES

The following publications, referred to thereafter by basic designation only, form a part of this specification to the extent indicated by the references thereto:

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

C 127 (2004) Specific Gravity and Absorption of Coarse Aggregate

1.3 MEASUREMENT AND PAYMENT

1.3.1 Quality Control

No separate measurement or payment will be made for surveying, furnishing inspection service, making reports and performing other services in connection with the Contractor Quality Control Inspection System. All costs in connection therewith shall be included in other items for which payment is to be made.

1.3.2 Site Preparation

No separate measurement or payment will be made for preparing and clearing the base. All costs incidental to preparing and clearing the base shall be included in contract prices for other items for which payment will be made.

1.3.3 Reserved

1.3.4 Riprap

1.3.4.1 Measurement

Riprap will be measured for payment by the ton (2,000 pounds). Quantities will be computed to the nearest whole ton. Riprap will be measured for payment, in the

presence of a Government inspector, by being weighed on site on approved, accurately calibrated scales furnished by and at the expense of the Contractor just prior to being placed. Weight certificates furnished by a public weighmaster will be acceptable if riprap is delivered and placed without stockpiling, in lieu of the above procedure when authorized by the Contracting Officer.

1.3.4.1.1 Barge Delivery

If delivery is made by barge and material is put in final placement directly from the barge, the weight in tons, shall be measured in the same manner as described in paragraph 1.3.4.1. When materials are stockpiled and/or vehicle loaded prior to final placement, measurement will be made in accordance with paragraph 1.3.4.1.2 "Vehicle Delivery."

1.3.4.1.2 Vehicle Delivery

If delivery is made by vehicle, measurement will be made by the ton in approved vehicles at the site of the work.

1.3.4.2 Payment

Payment for riprap will be made at the contract unit price per ton for "Graded Stone (Riprap)". Price and payment shall include all costs of furnishing, hauling, handling, placing, and maintaining the riprap.

1.4 QUALITY CONTROL

1.4.1 General

The Contractor shall establish and maintain quality control for all stone protection operations to ensure compliance with contract requirements, and shall maintain records of the quality control for all construction operations, including but not limited to the following:

- (1) Foundation preparations (line and grade).
- (2) Inspection at the worksite to ensure use of specified materials.
- (3) Riprap gradation.
- (4) Riprap placement.
- (5) Compliance Survey. The Contractor will be required to take cross-sections at ten (10) foot intervals after each phase of the stone construction at locations determined by the Contracting Officer. No separate payment will be made for this survey work. The Contractor shall furnish the Contracting Officer plotted cross-

sections and original field notes for surveys taken prior to placement of riprap and plotted cross sections and original field notes for surveys taken over the riprap within seven days of placement.

1.4.2 Reporting

The original and two copies of these records of inspections and tests, as well as the records of corrective action taken, shall be furnished the Government daily. Format of the report shall be as prescribed in Section 01451, "CONTRACTOR QUALITY CONTROL".

1.5 SUBMITTALS

1.5.1 General

The Contractor shall submit the following items in accordance with the requirements of Section 01330, "SUBMITTAL PROCEDURES".

1.5.2 Tests, Reports and Gradation Curves

The Contractor shall submit all certificates, tests, reports and gradation curves required in paragraphs 2.1 thru 2.1.2.3, and 3.4 (Plot percent passing, along with the specification limits on ENG Form 4055 and fill-in and document test on MVN Form 602-R) to the Contracting Officer.

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 Stone

2.1.1.1 General

All stone shall be a hard, durable material, which has been approved by the Contracting Officer. The sources from which the Contractor proposes to obtain the material shall be selected well in advance of the time when the material will be required so as to provide adequate time for approval by the Contracting Officer. Stone shall be of a suitable quality to ensure permanence in the structure and in the climate in which it is to be used. It shall be free from cracks, seams and other defects that would tend unduly to increase its deterioration from natural causes. The inclusion of objectionable quantities of dirt, sand, clay and rock fines will not be permitted. The faces of individual pieces of stone shall be roughly angular, not rounded in shape. Field stone, rectangular block stone, slabs, and rounded boulders will not be accepted. Gradation shall conform to the gradation curves at the end of this section.

2.1.1.2 Sources and Evaluation Testing

Stone shall be obtained in accordance with the General Provision entitled "STONE SOURCES". If the Contractor proposes to furnish stone from a source not listed in "STONE SOURCES", the Government will make such investigations as necessary to determine whether acceptable stone can be produced from the proposed source. Satisfactory service records for stone used on work outside the Corps of Engineers will be considered. If no such records are available, the Government will make tests to assure the acceptability of the stone. The tests to which the stone may be subjected will include petrographic analysis, specific gravity, abrasion, unit weight, absorption, wetting and drying, freezing and thawing and such other tests as may be considered necessary by the Contracting Officer. The following guidance is provided for use by the Contractor in analyzing a source of stone not listed in "STONE SOURCES". Stone that weighs less than one hundred fifty-five (155) pounds per cubic foot or has more than two percent (2%) absorption will not be accepted unless other tests and service records show that the stone is satisfactory. The method of test for unit weight and absorption will be ASTM C 127 except that unit weight will be calculated in accordance with note 5 using bulk specific gravity, S.S.D. Samples of stone from a source not listed in "STONE SOURCES" shall be submitted to the Contracting Officer for testing and acceptance prior to delivery of any stone to the site of the work. Samples shall consist of at least seven pieces of stone, roughly cubical in shape and weighing not less than one hundred (100) pounds each. All such samples shall be taken by the Contractor under the supervision of the Contracting Officer. The samples shall be shipped at the Contractor's expense to the Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, Mississippi, at least ninety (90) days in advance of the time that the placing of the stone is expected to begin. The tests will be conducted in accordance with applicable Corps of Engineers methods of tests given in the US Army Corps of Engineers CRD Standards, and will be performed at the Waterways Experiment Station, Vicksburg, Mississippi. The cost of testing will be borne by the Government.

2.1.1.3 Gradation of Stone

Gradation tests of stone shall be accomplished at the quarry. Tests by weight shall be made by the Contractor in the presence of the Contracting Officer's Representative. The Contractor shall notify the Contracting Officer not less than three (3) working days in advance of each test. In the event of nonavailability of the Government representative, the Contractor shall perform the tests and certify to the Contracting Officer that the stone shipped complies with the specifications. A minimum of one (1) test shall be performed for each stone gradation supplied to the Government from each source. Each test sample shall be representative of the stone being shipped. Percentage determinations shall be made for each stone weight specified in paragraph 2.1.2. Gradation test data shall be recorded on MVN form 602-R "Gradation Test Data Sheet," a copy of which is shown at the end of this section. Failure of the test on the initial sample and on an additional sample will be considered cause for rejection of the quarry and/or quarrying process, and all stone represented by the failed tests shall be set aside and not

incorporated into the work. Any additional tests required because of the failure of an initial test sample will not be considered as one of the other required tests. Certification and test results will represent stone shipped from the quarry and must be received by the Government representative before the stone is used in the work. The Contractor shall designate on the test form that portion (in tons) of the lot tested which is applicable to this contract. Any deviation from the reported tonnage shall be corrected on a revised gradation test form. The Contracting Officer may direct, under the Contract Clause entitled "*INSPECTION OF CONSTRUCTION*" (FAR 52.246-12)", additional testing of stone furnished to the worksite if the stone appears, by visual inspection, to be of questionable gradation or quality. Refer to paragraph 3.5 for the gradation test method.

2.1.2 Gradation

2.1.2.1 Reserved

2.1.2.2 Reserved

2.1.2.3 Graded Stone (Rip-Rap)

Graded Stone (Rip-Rap) will be R-650 Riprap shall be from the sources listed in the General Provision entitled "STONE SOURCES" and shall consist of one hundred percent (100%) stone conforming to the following gradation:

<u>Pounds</u>	<u>Percent Passing</u>
650-280	100
280-130	50
130-40	15

PART 3 EXECUTION

3.1 EARTH SUBGRADE PREPARATION

Areas on which riprap are to be placed shall be trimmed and/or dressed to conform to cross sections shown on the contract drawings within the allowable tolerance as specified in paragraph 3.1.1.

3.1.1 Subgrade Preparation

Areas on which the geotextile layer is to be placed shall be excavated to conform to the cross sections shown on the drawings. An allowable vertical tolerance of 3 inches (0.25 ft.) above or below the specified lines and grades will be permitted. Neither extreme of such tolerance may be continuous over an area greater than two hundred (200) square feet and abrupt changes from one extreme to the other will not be permitted.

3.2 PLACEMENT OF GEOTEXTILE

3.2.1 Placement

Geotextile shall be spread uniformly on the prepared subgrade to the slope lines and grades as indicated on the contract drawings and as specified in Section 02075.

3.3 RESERVED

3.4 R-650 RIPRAP

3.4.1 General

R-650 Riprap shall be placed on the geotextile within the limits shown on the contract drawings. Riprap shall conform to the requirements of paragraph 2.1.2.3. Gradation shall conform to the table in paragraph 2.1.2.3. The gradation limits define a gradation band and any stone gradation falling within this band is acceptable. Neither the width nor the thickness of any piece shall be less than one-third of its length. If stockpiling of riprap is proposed, the Contractor shall submit a plan for such work for approval by the Contracting Officer. No stockpiling will be permitted until such plan is approved.

3.4.2 Placement

Riprap shall be placed in a manner, which will produce a reasonably well-graded mass of rock with the minimum practicable percentage of voids, and shall be constructed, within the specified tolerance, to the lines and grades shown on the drawings. Maximum drop shall be limited to one (1) foot above ground or top of water. Movement of tracked equipment will not be permitted on stockpiled riprap. The extreme of either tolerance shall not be continuous over an area greater than two hundred (200) square feet. Stone shall be placed to its full course thickness in one operation and in such manner as to avoid damaging the geotextile. The larger stones shall be well distributed and the entire mass of stones in their final position shall be graded to conform to the applicable gradation specified in paragraph 2.1.2. The finished riprap shall be free from objectionable pockets of small stones and clusters of larger stones. Placing riprap in layers will not be permitted. Placing riprap by dumping it into a chute, or by similar methods likely to cause segregation of the various sizes, will not be permitted. Placing riprap by dumping it at the top of the slope and pushing it down the slope will not be permitted. The desired distribution of the various sizes of stones throughout the mass shall be obtained by selective loading of the material at the quarry or other source, or by other methods of placement which will produce the specified results. Each load shall be representative of the gradation requirements. When placing stone protection materials adjacent to completed portions of structures care shall be exercised to avoid damage to the structure. The Contractor shall submit his/her plan for placement adjacent to structures to the Contracting Officer for review and approval. Rearranging of individual

stones by mechanical equipment or by hand will be required to the extent necessary to obtain a reasonably well graded distribution of stone sizes as specified above. Riprap placement shall proceed immediately behind the placement of the geotextile, a maximum lag of thirty (30) feet will be allowed between the placement of geotextile and the placement of riprap, unless otherwise authorized by the Contracting Officer. The Contractor shall maintain the riprap until accepted and any material displaced prior to acceptance and due to the Contractor's negligence shall be replaced at his expense and to the lines and grades shown on the contract drawings.

3.4.3 Tolerances for Riprap

A tolerance of plus or minus six (6) inches will be allowed in the thickness for the riprap.

3.5 MVN STANDARD TEST METHOD FOR GRADATION OF STONE

3.5.1 General

3.5.1.1 Sample Selection

The most important part of the test and the least precise is the selection of a representative sample. No "standard" can be devised; larger quarry run stone is best sampled at the shot or muck pile by given direction to the loader; small graded stone is best sampled by random selection from the transporting vehicles. If possible, all parties should take part in the sample selection, and agree before the sample is run, that the sample is representative.

3.5.1.2 Selection of Size for Separation

It is quite possible and accurate to run a gradation using any convenient sizes for separation, without reference to specifications. After the test is plotted on a curve, then the gradation limits may be plotted. Overlapping gradations with this method are no problem. It is usually more convenient, however, to select points from the gradation limit, such as the minimum fifty percent (50%) size, the minimum fifteen percent (15%) size, and one or two others, as separate points.

3.5.2 Procedure

1. Select a representative sample (See paragraph 3.5.1.1), weigh and dump on hard stand.
2. Select specific sizes (see example) on which to run "individual weight larger than" test. Procedure is similar to the standard aggregate gradation test for "individual weight retained".
3. Determine the largest size stone in the sample. (100% size)

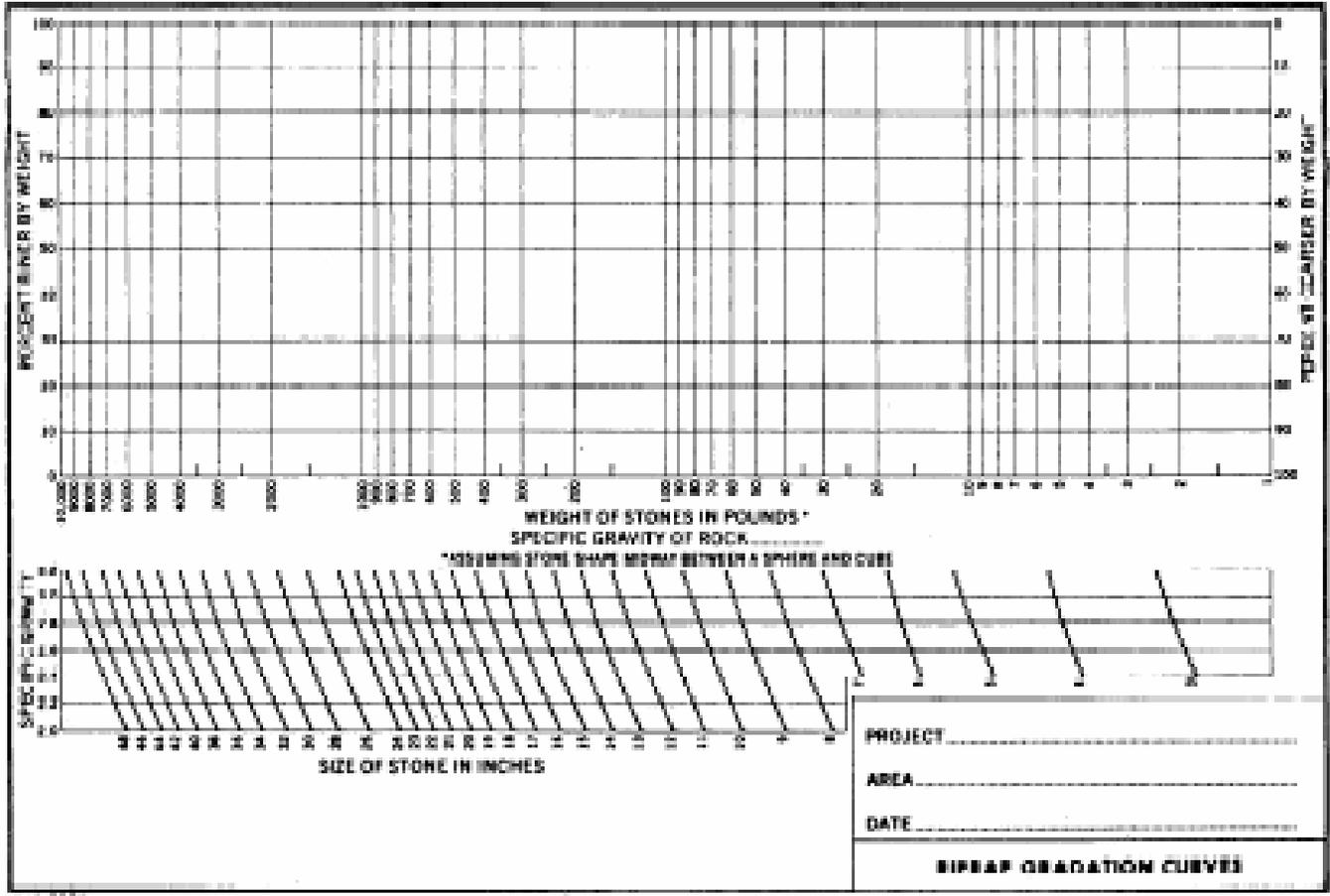
4. Separate by "size larger than" the selected weights, starting with the larger sizes. Use reference stones, with identified weights, for visual comparison in separating the obviously "larger than" stones. Stones that appear close to the specific weight must be individually weighed to determine size grouping. Weigh each size group, either individually or cumulatively.
5. Step 4 will result in "individual weight retained" figures. Calculate individual percent retained (heavier than) and cumulative percent retained and cumulative percent passing (lighter than). Plot percent passing, along with the specification limits on ENG Form 4055 and fill-in and document test on MVN Form 602-R.

EXAMPLE GRADATION	
SPECIFICATIONS	
STONE WEIGHT IN LBS.	PERCENT FINER BY WEIGHT
400 – 160	100
160 - 80	50
80 - 30	15

EXAMPLE WORKSHEET				
STONE SIZE LBS.	INDIVIDUAL WEIGHT RETAINED	INDIVIDUAL % RETAINED	CUMULATIVE % RETAINED	CUMULATIVE % PASSING
400	0	0	0	100
160	9,600	30	30	70
80	11,200	35	65	35
30	8,000	25	90	10
Less Than 30	3,200	10	100	0

TOTAL 32,000 lbs.

NOTE: Largest stone 251 lbs.



MS 725 4000
 APR 57