AMENDMENT NO. 1 TO PROFESSIONAL SERVICES CONTRACT (CONTRACT 0517-1240-ARD)

The City of Daytona Beach, a Florida municipal corporation (the "City") and Ardaman & Associates, Inc., ("Consultant"), hereby agree to amend the above-referenced Contract, effective on the date last signed below.

WITNESSETH:

WHEREAS, the City Commission approved the above-referenced Contract, with Ardaman & Associates, Inc., by Resolution 17-256; and

WHEREAS, certain additional amendments are required to update the Contract.

NOW, THEREFORE, the City and Consultant agree to amend the Contract as follows, based on the mutual valuable consideration contained herein.

1. Exhibit B to the Contract is replaced with Exhibit B-1. All references in the Contract to "Exhibit B" will hereafter be deemed to refer to the revised Exhibit B-1.

All other provisions of the Contract remain in full force and effect.

IN WITNESS WHEREOF, the CITY and CONSULTANT have set their hands and seals, effective on the date that the last party has signed below.

By Derrick L. Henry, Mayor

Attest:

Attest:

Letita La Magna, City Clerk

Approved as to legal form

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

Consultant

Signature

Name Typed: Charles H. Lunningham, P.E.

Litle: Vice President

Date: 3-5-18

EXHIBIT B-1

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE PROFESSIONAL, TESTING AND SUPPORT SERVICES

PROFESSIONAL SERVICES		
Principal Engineer	Per Hour	\$210 00
Senior Project Engineer	Per Hour	\$177 00
Project Engineer/Geologist/Scientist	Per Hour	\$149 00
Assistant Project Engineer/Geologist/Scientist	Per Hour	\$ 93 00
Staff Engineer/Geologist/Scientist	Per Hour	\$ 74 00
GENERAL CONSTRUCTION MONITORING AND		
FIELD/LABORATORY TESTING SERVICES		
Project Manager	Per Hour	\$ 69 00
Senior Engineering Technician	Per Hour	\$ 70 00
Engineering Technician	Per Hour	\$ 53 00
Asphalt Inspector	Per Hour	\$ 75 00
Threshold Inspector	Per Hour	\$ 66 00
Certified Welding Inspector	Per Hour	\$ 91 00
DESIGN AND SUPPORT SERVICES		
Technical Draftsman	Per Hour	\$ 69 00
Technical Secretary	Per Hour	\$ 53 00
MISCELLANEOUS EXPENSES		
Copying	Per Page	\$ 0.10
Color Copying	Per Page	\$ 0.50
Printing/Plotting – Black & White (24"x36", 30"x42")	Per Sheet	\$ 250
Printing/Plotting – Color (24"x36", 30"x42")	Per Sheet	\$ 500

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE SUBSURFACE FIELD EXPLORATION

MODILIZATION/DEMODILIZATION		
MOBILIZATION/DEMOBILIZATION Mobilization and Demobilization		
Mobilization and Demobilization ■ Men and Equipment (Minimum \$300 00)	Day 141	
Portable Barge (Minimum \$6,500 00)	Per Job	Varies
STANDARD DRILLING	Per Job	Varies
All Terrain Vehicle (Mudbug)	Add'i Price Per LF	6 440
Auger Borings (4-inch)	Per Lineal Foot	\$ 110
Wash Borings – Cuttings Only (up to 3 inch)	rei Lilleal Foot	\$ 11 40
Soil drilling	Per Lineal Foot	¢ 0.20
Rock drilling	Per Lineal Foot	\$ 820 \$ 1370
Standard Penetration Test (SPT) Borings	r er Einearr oot	φ 13 /U
(ASTM D-1586) in soil (N-values <50)		
from surface to 50 feet	Per Lineal Foot	\$ 16 50
 from 50 feet to 100 feet 	Per Lineal Foot	\$ 21 00
 from 100 feet to 150 feet 	Per Lineal Foot	\$ 27 00
Standard Penetration Test (SPT) Borings in		4 2, 00
high resistance soil/rock (N-values >50)	Add'l Price Per LF	\$ 340
Furnish, Install, and Remove Casing (up to 4-inch)		, , , ,
• from surface to 50 feet	Per Lineal Foot	\$ 10 15
 from 50 feet to 100 feet 	Per Lineal Foot	\$ 12 40
from 100 feet to 150 feet	Per Lineal Foot	\$ 16 00
Drilling (Time Basis)/2 man-crew	Per Crew-Hour	\$ 212 00
Drilling (Time Basis)/3 man-crew	Per Crew-Hour	\$ 262 00
Rock Coring (N or H size)		
 from surface to 50 feet 	Per Lineal Foot	\$ 39 75
 from 50 feet to 100 feet 	Per Lineal Foot	\$ 45.75
• from 100 feet to 150 feet	Per Lineal Foot	\$ 51 50
SAMPLING		
Additional SPT and Samples		
• from 10 feet to 50 feet	Per Additional Sample	\$ 32 75
• from 50 feet to 100 feet	Per Additional Sample	\$ 41 00
• from 100 feet to 150 feet	Per Additional Sample	\$ 51 50
Undisturbed Samples		
Shelby Tube Fixed Pictor Shelby Cotathons Back.	Per Sample	\$ 146 00
 Fixed-Piston Shelby, Osterberg, Pitcher FIELD PERMEABILITY 	Per Sample	\$ 178 00
Field Permeability Test in Cased Borehole		
Less than 10' Deep	Don Took	
Double Ring Infiltration Test	Per Test	\$ 300 00
- Double Tring militration 165t	Per Test	\$ 575 00
SOUNDINGS		
Electric Dutch Cone Soundings	Per Lineal Foot	¢ 14.00
Piezocone Soundings	Per Lineal Foot	\$ 14 00 \$ 15 50
Muck Probing/Clay Sampling	Per Crew-Hour	\$ 224 00
Electric Dutch Cone Soundings (Time Basis)	Per Crew-Hour	\$ 215 00
Piezocone/Piezoprobe Soundings (Time Basis)	Per Crew-Hour	\$ 234 00
Piezocone Dissipation Monitoring	Per Crew-Hour	\$ 232 00
Piezoprobe Dissipation Monitoring	Per Crew-Hour	\$ 232 00
OTHER CHARGES	·	7 -0- 00
Difficult Access, Hole Location and Set-Up	Per Crew-Hour	\$ 191 00
Standby Time	Per Crew-Hour	\$ 191 00
Piezometer and Well Installation (plus materials)	Per Crew-Hour	\$ 262 00
Bore Hole Grouting and Sealing	Per Linear Foot	\$ 465
Jon boat Use	Per Day	\$ 200 00
Materials & Supplies	Per Job	At Cost + 12%
Premium for Drilling done with Barge, holiday, weekend,		
or night work 1.5 times the normal rate		

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE SUBSURFACE FIELD EXPLORATION

GENERAL FIELD EQUIPMENT		
Data Logger	Per Day	\$ 415 00
Organic Vapor Analyzer (OVA 128 or Gastech)	Per Day	\$ 160 00
Photo Ionization Detector (Photovac Tip)	Per Day	\$ 174 00
Methane Detector	Per Day	\$ 141 00
Explosimeter	Per Day	\$ 90 00
Generator	Per Day	\$ 150 00
Pressure Washer	Per Day	\$ 150 00
Surveying Equipment	Per Day	\$ 80 00
Centrifugal Development Pump	Per Day	\$ 85 00
Submersible Development Pump	Per Day	\$ 87 00
Peristaltic Purging Pump	Per Day	\$ 66 00
Magnetometer	Per Day	\$ 63 00
Product/Water Interface Probe	Per Day	\$ 87 00
pH/Conductivity Meter	Per Day	\$ 30 00
Turbidity Meter	Per Day	\$ 68 00
Dissolved Oxygen Meter	Per Day	\$ 126 00
Water Level Indicator	Per Day	\$ 27 00
Bailer Usage	Per Day	\$ 30 00
Concrete Saw	Per Day	\$ 160 00
EXPENDABLE SUPPLIES		
High Capacity (1 or 0 45 micron) Filter	Each	\$ 32 00
Disposable Teflon Bailer	Each	\$ 30 00
Disposable Polyethylene Bailer	Each	\$ 19 00
Disposable Free Product Bailer	Each	\$ 31 00
Isopropyi Alcohol (decontamination)	Per Gallon	\$ 21 00
Deionized Water (decontamination)	Per Five Gallons	\$ 16 00
16 oz Soil Jars (soil headspace analysis)	Per Box of 12	\$ 16 00
Tygon Tubing	Per Foot	\$ 3.85
Polyethylene Tubing	Per Foot	\$ 070
55-gallon Drum	Each	\$ 95 00
Master Lock	Each	\$ 19 50
GEOPHYSICAL EQUIPMENT		
Geonics EM 34-3	Per Day	\$ 295 00
AGI Sting R1 - IP	Per Day	\$ 268 00

SPECIAL DRILLING/SOUNDING

Prices for special drilling (barge drilling, air boat sampling, amphibious drilling, NQ wire line coring, large diameter borings, drilling in corrosive, contaminated or hazardous materials, drilling at great depths; installing large diameter temporary casing, etc.), field vane testing, and other specialized sampling or field tests will be determined per project. Work performed over water will be at 1.5 times the standard unit prices.

INSTRUMENTATION

Prices for installation of monitor wells, inclinometers and settlement devices, and for performance of packer tests will be determined per project

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE LABORATORY SOIL TESTING SERVICES

CLASSIFICATION TESTS		
Moisture Content (ASTM D-2216)	Each	\$ 14 50
Organic Content		*
Loss on Ignition (ASTM D-2974)	Each	\$ 33 50
Wet Combustion (AASHTO T-194)	Each	\$113 00
Unit Weight/Classification of Undisturbed Sample	Each	\$ 66 00
Grain Size Distribution		
Sieve Analysis (ASTM D-421, D-422)	Each	\$ 64 00
Fines Content (ASTM D-1140)	Each	\$ 37 00
Hydrometer Analysis (ASTM D-422)	Each	\$113 00
Atterberg Limits (ASTM D-4318)		
Plasticity Index Less than 150%	Per Set	\$ 114 00
Plasticity Index Greater than 150%	Add'l Per Set	\$ 69 50
Shrinkage Limit (ASTM D-4943)	Each	\$ 89 00
Specific Gravity (ASTM D-854)	Each	\$ 99 50
Marsh Funnel Viscosity (API 13B-1)	Each	\$ 23 00
Slump Cone (ASTM C-143)	Each	\$ 23 00
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CONSOLIDATION TESTS		
Incremental Consolidation Test (ASTM D-2435)		
Up to Ten Load or Unload Increments	Per Test	\$640 00
More than Ten Load or Unload Increments	Per Add'l Increment	\$ 57 00
Constant Rate of Strain Consolidation Test (ASTM D-4186)	Each	\$655 00
PERMEABILITY TESTS		
Permeability Test on Sand (ASTM D-2434)	Each	\$250 00
Permeability Test on Fine Grained Soil (ASTM D-5084)	24011	Ψ250 00
Hydraulic Conductivity >10 ⁻⁸ cm/sec	Each	\$320 00
Hydraulic Conductivity <10 ⁻⁸ cm/sec	Each	\$458 00
Permeation with Fluid Other Than Water	Add'l Per Test	\$203 00
OTRENOTH TRATA		7
STRENGTH TESTS Strength Index Tests (Torvane, Penetrometer)	- .	
Vane Shear Test (ASTM D-4648)	Each	\$ 625
Unconfined Compression Test (ASTM D-2166)	Each	\$ 23 80
Strength Only	Each	\$ 57 50
With Štress-Śtrain Curve	Each	\$106 00
Triaxial Tests		\$100.00
Unconsolidated-Undrained (ASTM D-2850)	Each	\$276 00
Unconsolidated-Undrained (with pore pressure response)	Each	\$615 00
Consolidated-Undrained (with pore pressure measurement) Consolidated-Drained on Sands	Each	\$615 00
Consolidated-Drained on Fine Grained Soils	Each Each	\$500 00
Use of Fluid Other Than Water	Add'l Per Test	\$660 00 \$203 00
Direct Shear Tests	Addirectest	\$203.00
Conventional 2 3" Box Shear (ASTM D-3080)	Per Normal Load	\$305 00
2 3" Box Shear With Stress Reversals	Per Normal Load	\$467 00
2 3" Box Shear With Geosynthetics	Per Normal Load	\$320 00
Angle of Repose Split Tensile for Rock Cores (ASTM D-3967)	Each	\$ 53 75
Opin Tensile for Rock Cores (ASTIVI D-3907)	Each	\$147 00

SAMPLE PREPARATION AND SPECIAL TESTS

Preparation of Laboratory Samples for Testing will be charged at technician man-hour rates
Prices for Special Sample Preparation, for Special Laboratory Tests and for testing contaminated soils or hazardous materials will be determined per project based upon technician man-hours and other considerations

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE LABORATORY CHEMICAL & GEOSYNTHETIC TESTING SERVICES

CHEMICAL TESTS		
pH (FM5-550)	Each	\$ 810
Specific Conductance (FM3-D 1125)	Each	\$ 910
Sulfate (FM5-553)	Each	\$ 44 50
Chloride (FM5-552)	Each	\$ 44 50
Soil pH (FM5-550)	Each	\$ 44 50
Soil Specific Conductance	Each	\$ 44 50
Soil Resistivity (ASTM G-57 or FM5-551)	Each	\$ 49 50
Water Corrosivity Series (FM5-550,552,553, FM3-D 1125)	Each	\$143 00
Soil Corrosivity Series (FM5-550, 551, 552, 553)	Each	\$177 00
Concrete Low Level Chloride (FM5-516)	Each	\$154 00
GEOSYNTHETICS		
Geomembrane Thickness (ASTM D-751, D-5199 or D-5994)	Per Sample	\$ 17 00
Geomembrane Density (ASTM D-792)	Per Sample	\$ 33 00
Geomembrane Tensile Strength (ASTM D-638 or D-6693)	Per Set	\$ 82 00
Geomembrane Tear Resistance (ASTM D-1004)	Per Set	\$ 72 00
Geomembrane Seams (ASTM D-4437 or D-6392)		
 5 Peel and 5 Shear Specimens 	Per Set	\$ 48 00
 10 Peel & 5 Shear Specimens 	Per Set	\$ 71 75
Geotextile Grab Tensile Strength (ASTM D-4632)	Per Set	\$ 82 00
Geotextile Trapezoidal Tear (ASTM D-4533)	Per Set	\$ 96 50
Geotextile Mass/Unit Area (ASTM D-3776 or D-5261)	Per Sample	\$ 33 00
Geotextile Thickness (ASTM D-1777 or D-5199)	Per Sample	\$ 17 00
Geotextile Seam Strength (ASTM D-4884)	Per Sample	\$ 62 00
Interface Direct Shear (ASTM D-5321)	•	
Geosynthetic to Geosynthetic	Per Normal Stress	\$278 00
Geosynthetic to Soil	Per Normal Stress	\$385 00

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH - Continuing Geotechnical Testing Services **FEE SCHEDULE** CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES

CONCRETE SAMPLING AND TESTING

Cylinder samples (up to 5 cylinders per set) molding curing, and strength testing (ASTM C-31 and C-39) Include one slump (ASTM C-143) and one temperature determination Cylinders shall be left in a place provided by the Contractor, covered with plastic caps and attempts made to provide shade thereon. If temperature of the air is critical to first 24 hours (during field curing), equipment to maintain such controls shall be provided by others

\$127 50/set

Additional cylinders \$18 35/cylinder

Technician time due to construction delays in excess of 1 0 hours portal to portal on the date cylinders are made Hourly Tech Rate

Technician time transporting cylinders from site to laboratory

if no other work is required Hourly Tech Rate Curing and strength testing samples delivered to our

laboratory (ASTM C-39)

\$18 90/cylinder Continuous monitoring of concrete placement and/or

extra slump and temperature tests Hourly Tech Rate Additional Slump tests (ASTM C-143) \$25 50/test Air entrainment (ASTM C-173)

\$36 75/test Unit weight and Yield Tests \$78 75/test Concrete Plant Monitoring by Technician

Hourly Tech Rate Concrete blocks. Strength tests (determined by gross area) \$125 00/block Concrete blocks Absorption and strength tests (net area) \$241 75/set of 3 Block Prism Assembly \$320 00/set of 3

Flexural Strength Beams (up to 3 beams) \$50 00 each additional beam \$294 00/set of 3 Test beams made by others \$53 50/each Grout Prisms 3/set (blocks supplied by others) \$127 50/set of 3 Mortar Cubes

\$127 50/set of 3 Concrete Slab Moisture Vapor Tests (Not Including Technician Time) Cost +12%

FLOOR FLATNESS/LEVELNESS TESTING

Equipment Use \$150 00/day Technician Hourly Tech Rate Summary Report \$165 00/pour

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES

SAMPLING AND TESTING OF IN-PLACE CONCRETE/SOIL CEMENT

Coring and testing of cored samples

Technician time (two-man crew)

Mobilization of coring equipment

Trimming, capping and strength test (ASTM C-42)

Depth measurement

Shotcrete cores for absorption (ASTM C642)

Shotcrete panel pick-up

Hourly Tech Rate

Non-Destructive Testing of Concrete

Rebar Location, Ultrasonic and Impact Echo Testing (price quoted according to project)

Upon Request

Swiss Hammer or Windsor Probe Testing

Mobilization of equipment \$153 00/trip
Technician Hourly Tech
Windsor Probe Loads Cost +12%

SITE PREPARATION PROCEDURES INSPECTION, SAMPLING AND TESTING SERVICES

Monitoring of the removal of deleterious soils or materials Inspection of placement and compaction of fill material Penetrometer tests Sampling of natural or fill material

Inspection of borrow areas

Technician Hourly Tech Rate

Density Tests

In-situ density tests, nuclear or dry sleeve method

(minimum of five per trip) \$28 00/test

Technician, as needed Hourly Tech Rate

Sampling of natural or fill material for laboratory testing by Technician Hourly Tech Rate

Soil Cement and Full-Depth Reclamation (FDR)

Soil Cement or FDR Mix Design Testing (3 points)

Additional Mix Design Points

Soil Cement/FDR Field Proctor (ASTM D-558) and Compressive Strength Testing (3 pills)

Depth Verification of Base Course and/or Stabilized Subgrade

\$1,500 00/each
\$90 00/each
\$178 50/set
Hourly Tech Rate

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES

SOIL AND ROCK LABORATORY TESTING (SAMPLING CHARGE NOT INCLUDED) Standard (ASTM D-698) or Modified (ASTM D-1557) Proctor (Less than 20% Fines) Standard (ASTM D-698) or Modified (ASTM D-1557) Proctor (Greater than 20% Fines) Standard (ASTM D-698) or Modified (ASTM D-1557) Proctor (Aggregate and Base Material) Moisture content (ASTM D-2216) Organic content Sieve Analysis (ASTM D-421, D-422) Sieve Analysis – Aggregate up to 1-inch (ASTM D-1140) Sieve Analysis – Aggregate greater than 1-inch (ASTM D-1140) Atterberg limits (ASTM D-423, D-424) Limerock Bearing Ratio Florida Bearing Value (FBV) Percent fines California Bearing Ratio (CBR) (Does not include Proctor) Carbonate content determinations Los Angeles Abrasion (Does not include sample preparation) Soundness – Magnesium (plus material supply charges) (Does not include sample preparation) Specific Gravity of Fine Aggregate	\$127 50/each \$188 00/each \$158 00/each \$14 50/each \$33 50/each \$64 00/each \$187 00/each Call for Price \$114 00/each \$375 00/each \$37 00/each \$158 00/each \$158 00/each \$180 00/test \$375 00/each \$191 00/sieve size \$96 25/each
ASPHALT: FIELD INSPECTION, SAMPLING & LABORATORY TESTING Field sampling of Hot Mix Asphalt Coring of Asphalt	Hourly Tech Rate
Mobilization of Truck mounted Coring Equipment Obtain Core Samples (2-man crew) Asphalt Cores (not including mobilization or coring crew)	\$275 00/trip Hourly Tech Rate \$42 00/each
Laboratory Testing Extraction & Gradation Testing (FM 5-563 & FM 1-T 030) Marshall Stability & Flow (FM 5-511) Superpave Volumetrics (Extraction/Gradation and Rice) Asphalt Core Density Tests Certified Asphalt Inspector (Roadway or Plant Inspection)	\$225 00/test \$175 00/test \$400 00/test \$42 00/test Hourly Inspector Rate
STRUCTURAL STEEL & WELD INSPECTION Visual Inspection of Welds and/or Bolt Torque Inspection by Certified Welding Inspector (safe access provided by client or project contractor) Non-Destructive Testing (Ultrasonic, Magnetic Particle, Dye Penetrant or Radiographic)	Hourly CWI Rate Upon Request
SPRAYED FIRE-RESISTIVE MATERIAL AND INTUMESCENT PAINT SFRM Depth Measurement & Sampling SFRM Adhesion Testing (Pull Test) SFRM Laboratory Unit Weight Determination Intumescent Paint Thickness Verification	Hourly Tech Rate Hourly Tech Rate \$64 25/sample Hourly Tech Rate
STATIC PILE LOAD TEST	Price on Request
VIBRATION MONITORING Vibration Monitor Equipment Charge Technician Engineer	\$225 00/day Hourly Tech Rate Hourly Rate

TRAVEL CHARGES:

Charge to be determined by project (most projects are billed portal to portal) Hourly Tech Rate

OVERTIME AND HOLIDAY

Charges will be increased 50% for work performed during weekends, official holidays, and during weekdays on hours exceeding 8 0 hours per day or 40 hours per week

ARDAMAN & ASSOCIATES, INC. CITY OF DAYTONA BEACH – Continuing Geotechnical Testing Services FEE SCHEDULE CONSTRUCTION MATERIALS TESTING AND INSPECTION SERVICES

STRUCTURAL STEEL INSPECTION AND TESTING

- 1) Engineering observation of reinforcing steel to verify size, number, spacing, securement, grade and placement of reinforcing steel \$70 00/hr
- 2) Engineering observations during construction required to determine suitability and erection of steel framing systems and tensions of high strength bolted connections within the structural framing system \$70 00/hr
- 3) Observation of placement and securement of post-tension tendons and/or tensioning operations including measurements of elongations and monitoring jacking force of each tendon \$70 00/hr

INSPECTION AND ANALYSIS OF BUILT-UP ROOFING

- 1) Monitoring of built-up roofing operations including types of materials, bitumen temperature at application, moisture conditions, rain precautions and general compliance with project specifications \$70.00/hr
- 2) Analysis of new built-up roofing components (ASTM D-3617) Ardaman does not provide this service
- 3) Analysis of existing built –up roofing components (ASTM D-2829) Ardaman does not provide this service

PHASE I ENVIRONMENTAL SITE ASSESSMENTS

- 1) 0 to 20 Acres \$2200 00
- 2) 21 to 40 Acres \$2400 00
- 3) 41 to 60 Acres \$2500 00
- 4) 61 to 80 Acres \$2500 00
- 5) Over 80 Acres Price on Request

PERMANENT MONITORING WELL INSTALLATION (2"diameter with manhole cover or above grade protector) \$55 00/Ft

CLAY BRICK (ASTM C-67) CLAY TILE (ASTM C-1120)

- 1) Compressive strength, 5 specimens Ardaman does not perform this test on brick and tile
- 2) Flexible strength, 5 specimens Ardaman does not provide this test on brick and tile
- 3) Absorption, 24 hour specimen, 5 specimens Ardaman does not provide this test on brick and tile

TESTING AND EVALUATION OF LIGHTWEIGHT INSULATING CONCRETE

- Obtaining and testing samples of lightweight insulating concrete during construction (ASTM C-495)
 \$127 50/set (field)
- 2) Set of 5 compressive strength and dry weight unit weight cylinders

\$91 75/set (lab)

3) Wet unit weight tests of plastic insulating concrete

\$78 75/test