



**TOWN OF RIVERHEAD
SUFFOLK COUNTY, NEW YORK**

2016 ANNUAL PROCUREMENT CONTRACT

March 2016

Prepared By:
Engineering Department
Town of Riverhead
1295 Pulaski Street
Riverhead, NY 11901
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TOWN OF RIVERHEAD
NOTICE TO BIDDERS

Sealed proposals for the Annual Procurement Contract must be submitted to the Office of the Town Clerk at Riverhead Town Hall, 200 Howell Avenue, Riverhead, New York until 4:00 pm on April 7, 2016 and will be publicly opened and read aloud at 11:10 am on April 8, 2015 in the Office of the Town Clerk.

Plans and specifications may be examined and/or obtained on or about March 24, 2016 by visiting the Town of Riverhead website: www.townofriverheadny.gov and click on Bid Requests.

Each proposal must be submitted on the form provided and must be in a sealed envelope clearly marked, "Annual Procurement Contract".

Please take further notice, that the Town Board reserves the right to reject in whole or in part any or all bids, waive any informality in the bids and accept the bid which is deemed most favorable in the interest of the Town of Riverhead. The Town Board will use its discretion to make judgmental determination as to its best estimate of the lowest bidder. Note: Bid responses must be delivered to Office of the Town Clerk at the address above. The Town may decline to accept, deem untimely and/or reject any bid response/proposal that is not delivered to the Office of the Town Clerk.

BY ORDER OF THE RIVERHEAD TOWN BOARD
DIANE M. WILHELM, TOWN CLERK
Riverhead, NY 11901

Dated: March 15, 2016

BIDDERS ARE INVITED TO ATTEND BID OPENING

GENERAL SPECIFICATIONS

GENERAL

Bidders shall be responsible to carefully examine the Specifications enclosed.

Alternates of equal or superior design and/or quality shall be listed separately and a Manufacturer's Specification Sheet shall be submitted with a bid. Failure to submit such data may result in the disallowing of said bid.

These Specifications require performing all work necessary or proper for, or incidental to, the furnishing and delivery of said products.

All things not expressly mentioned in these Specifications, but involved in carrying out their intent are required by these Specifications; and the vendor shall perform the same as though they were specifically mentioned, described and delineated.

Notwithstanding the award of this bid, the Town reserves the right to make purchases of materials, equipment, or supplies, or to contract for services, when available, through the county in which the political subdivision or district is located or through any county within the state as set forth in General Municipal Law § 103(3) and the Town reserves the right to make purchases of materials, equipment, or supplies, or to contract for services available pursuant to sections 161 and 167 of the state finance law through the office of general services as set forth in General Municipal Law § 104 provided such purchase or service may be made upon the same terms, conditions and specifications at a lower price.

COMPLIANCE WITH RULES AND REGULATIONS

The unit and associated equipment furnished shall comply with all provisions which would be applicable if the Town of Riverhead were a private corporation of Federal and State of New York Laws, Ordinances, Codes, Rules, Regulations, Orders, Permits and Licenses and with fire underwriters requirement, except that where the weight and dimensions requirements set forth herein exceed such provisions, these Specifications shall control.

DEVIATION

Minor deviations from the provisions of these Specifications will be considered to permit manufacturers to follow their standard manufacturing process.

Such deviations will be approved, however, only at the sole discretion of the Town of Riverhead and only if in its opinion they do not adversely affect the operation, maintenance, strength, efficiency, effectiveness, or life of the unit or any of its parts.

All proposed minor deviations, with full details, must be listed on a separate Detail Sheet, which must be attached to and made part of this bid.

The Town of Riverhead reserves the absolute right in its sole discretion to accept that bid, if any, which under all circumstances will best serve the public interest.

GUARANTEE

The vendor warrants and guarantees the equipment herein specified, including all associated equipment furnished, against any defects in design, workmanship and materials, and against failure to operate satisfactorily for a period of six months from the date of acceptance of the units, except defects or failure shown by the vendor. The vendor also warrants and guarantees that the equipment herein specified, if found to be defective or in need of repairs, will be picked up from and delivered back to the Town of Riverhead within a reasonable length of time.

PRICES

If a like or lower quantity of a standard item contained in this bid is sold by a vendor at a price less than the prices quoted herein, the price to the Town of Riverhead shall be reduced to that lower price.

QUANTITY

The Town of Riverhead is in no way obligated to purchase quantities shown nor limited to said quantities listed.

RESERVATIONS

The mention in the specifications of any unit, component, or equipment by brand name and/or model is meant to convey to the potential bidder the type and quality of the product required and desired by the Town. Any unit, component, or equipment which is of equal type and quality may be considered as such and may be acceptable to the Town, upon agreement by the Town Board to that fact. The decision of the Town Board, however, in such a circumstance is final.

Furthermore, the Town Board of the Town of Riverhead reserves the right and responsibility to reject any or all bids if they believe such action to be in the best interest of the town.

TERM OF CONTRACT

The term of the individual award contract shall be one year from the issuance of a Town Purchase Order. The Town of Riverhead shall have the option of extending the awards of this contract in six (6) month intervals.

IRAN DIVESTMENT ACT CERTIFICATION

As a result of the Iran Divestment Act of 2012(Act), Chapter 1 of the 2012 Laws of New York, a new provision has been added to the State Finance Law (SFL), § 165-a, effective April 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list (prohibited entities list) of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date, at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, Bidder/Contractor (or any assignee) certifies that once the prohibited entities list is posted on the OGS website, any Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to the solicitation, must certify at the time the Contract is renewed, extended or assigned that it is not included on the prohibited entities list.

During the term of the Contract, should the TOWN OF RIVERHEAD receive information that a

person is in violation of the above-referenced certification, the TOWN OF RIVERHEAD will offer the person an opportunity to respond. If the person fails to demonstrate that is has ceased its engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the TOWN OF RIVERHEAD shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default.

The TOWN OF RIVERHEAD reserves the right to reject any bid or request for assignment for an entity that appears on the prohibited entities list prior to the award of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the prohibited entities list after contract award.

Signature: _____
Print Name: _____
Title: _____
Company : _____
Date: _____

**TOWN OF RIVERHEAD
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TECHNICAL SPECIFICATIONS

**TOWN OF RIVERHEAD
ANNUAL MATERIALS AND ASPHALT PROCUREMENT CONTRACT 2016
TECHNICAL SPECIFICATIONS**

Item No. 4-P	Recycled Concrete Aggregate
Item No. 14	Ready-Mix Concrete
Item No. 15	Polyethylene Pipe
Item No. 28	Baseball Sand Mix
Item No. 29	Baseball Clay Mix
Item No. 30	Underdrains
Item No. 30-F	Granular Fill
Item No. 31	Composite Soil Mix
Item No. 32	Topsoil and Seed
Item No. 33	Road Sand Mix
Item No. 34	Planting Mix
Item No. 44	Asphalt Pavement Crack and Joint Sealant
Item No. 60	Asphalt Concrete Type 1, Base Course Loaded into Town of Riverhead Trucks
Item No. 62	Rut Avoidance Asphalt Concrete, Type 3RA Binder Course, Loaded into Town of Riverhead Trucks
Item No. 64	Rut Avoidance Asphalt Concrete, Type 6FRA Top Course, Loaded into Town of Riverhead Trucks
Item No. 66	Cold Mix Bituminous Pavement Loaded into Town of Riverhead Trucks
Item No. 68	Rut Avoidance Asphalt Concrete, Type 7FRA Top Course, Loaded into Town of Riverhead Trucks
Item No. 70	Asphalt Price Adjustment
Item No. 72	Sand Asphalt Base Course Loaded into Town of Riverhead Trucks
Item No. 152	Certified Wood Fiber Safety Surface
Item No. 160	Landscaping Wood Mulch
Item No. 170	Blue Stone
Item No. 172	Trap Rock
Item No. 184	Non-Woven Geotextile

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ITEM NO. 4-P RECYCLED CONCRETE AGGREGATE

1. DESCRIPTION - The work consists of furnishing, delivering and unloading Recycled Concrete Aggregate (RCA) at the Town of Riverhead Stozky Park Facility in the quantities presented in a Town of Riverhead issued Purchase Order.

2. DEFINITIONS

Deleterious: Any material that does not consist of concrete, asphalt, glass, brick, stone, sand, gravel or blast furnace slag, when these materials are used in subbase in conformance with the specification requirements, OR any material which, in the opinion of the Town Engineer, may adversely affect the performance of the product either during handling, during construction, or in its final application.

3. MATERIALS - RCA shall be supplied from either a New York State Department of Transportation (NYSDOT) approved stockpile, or the Contractor shall provide documentation showing that the material obtained is from a NYSDEC registered or permitted construction and demolition (C&D) debris processing facility as specified in Section 360-16.1 of 6NYCRR Part 360, "Solid Waste Management Facilities".

If Blast Furnace Slag is to be used, provide documentation showing that it has undergone a NYSDEC beneficial use determination (BUD) prior to its use as specified in 6NYCRR Part 360-1.15, "Solid Waste Management Facilities".

For Types 1, 3, and 4 furnish materials consisting of approved Blast Furnace Slag, Stone, Sand and Gravel, or blends of these materials with not more than 5 percent by weight of glass. Alternately, the following materials are also acceptable under these types as a replacement for the materials mentioned above:

Alternate A. At least 95 percent, by weight, of RCA, and free from organic and other deleterious material. This material may contain up to 5% by weight asphalt and /or brick.

Alternate B. A mixture of RCA conforming to Alternate A above mixed with stone, sand, gravel or blast furnace slag. This material may contain up to 5% by weight asphalt and/or brick.

Alternate C. Bituminous material that is reclaimed from bituminous pavement and/or shoulders (Reclaimed Asphalt Pavement, or RAP) on a project constructed by the Town of Riverhead and is well-graded from coarse to fine and free from organic or other deleterious material, including tar. This material is at least 95%, by weight, reclaimed bituminous material and has a maximum top size, at time of placement, of 2 inches. The gradation requirements for the different Types listed below do not apply when the material consist of RAP. No soundness or Plasticity Index testing will be required for this Alternate.

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For Type 2, furnish materials consisting of approved Blast Furnace Slag or of Stone which is the product of crushing or blasting ledge rock, or a blend of Blast Furnace Slag and of Stone. If in the opinion of the Town Engineer, this material becomes unstable during construction, it may be necessary to add a mixture of natural suitable material to the RAP. Acceptance of the final product shall be based on an evaluation by the Town Engineer.

Provide written documentation that the reclaimed bituminous material originated on either a Town of Riverhead Municipal Project or on a New York State Department of Transportation project.

Table 4-P – Percent Passing by Weight				
Sieve Size Designation	Type			
	1	2	3	4
4 in.	-	-	100	-
3 in.	100	-	-	-
2 in.	90 - 100	100	-	100
¼ in.	30 - 65	25 - 60	30 - 75	30 - 65
#40	5 - 40	5 - 40	5 - 40	5 - 40
#200	0 - 10	0 - 10	0 - 10	0 - 10

Soundness – Materials for Types 1, 2 and 4 will be accepted on the basis of Magnesium Sulfate Soundness Loss after four (4) cycles of 20 percent or less, unless material meeting the requirements of Alternate C is used. Material for Type 3 will be accepted on the basis of a Magnesium Sulfate Soundness Loss after four (4) cycles of 30 percent or less. All testing costs shall be incurred by the Contractor.

Plasticity Index – The required Plasticity Index of the material passing the #40 mesh sieve is 5.0 or less.

Elongated Particles – A flat or elongated particle is defined herein as one which has its greatest dimension more than three times its least dimension. Provide material consisting of particles where not more than 30 percent, by weight, of the particles retained on a ½ inch sieve are flat or elongated. When the State elects to test for this requirement, material with a percentage greater than 30 will be rejected. Acceptance for this requirement will normally be based on a visual inspection by the Engineer.

Stockpiling – Stockpile all material except as noted herein.

Material furnished under Type 3 will not be required to be stockpiled unless it contains RCA or glass.

Stockpiling of the reclaimed bituminous material for Alternate C is not required.

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Stockpile construction requirements, sampling, testing and acceptance/rejection procedures are stipulated in the appropriate Departmental publication.

4. METHOD OF MEASUREMENT

Item No. 4-P – The quantity is the number of loose cubic yards of material supplied to Stotzky Park located within the Town of Riverhead. Volumes shall be determined by the interior dimensions of the subbase carrying portion of the transport vehicle.

5. BASIS OF PAYMENT

Item No. 4-P – The unit price bid for this work includes the cost of furnishing all labor, material and equipment necessary to supply, deliver and unload the subbase material at the Town of Riverhead Stotzky Park Facility.

Payment will be made under:

Item No.	Item	Pay Unit
4-P	Recycled Concrete Aggregate	CY

END OF SECTION

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ITEM NO. 14 READY-MIX CONCRETE

1. DESCRIPTION - The work under this item shall consist of furnishing all labor, equipment and materials for delivering and unloading ready-mix concrete in the quantities stated on a Town of Riverhead Purchase Order (PO) at the location specified on the PO located in the Town of Riverhead including but not limited to Jamesport, Aquebogue, Riverhead, Calverton, Wading River and parts of Manorville.

2. MATERIALS - Individual materials shall conform to the appropriate section of the Standard Specifications of the New York State Department of Transportation (NYSDOT SS) with the following modifications.

A. The aggregates shall conform to Section 703-07 of the NYSDOT SS.

B. The air entraining agent shall conform to the requirements Section 711-08 of the NYSDOT SS.

C. The water for mixing and washing the aggregates shall be completely, free of organic acids, alkalis, oil and shall be suitable for drinking.

D. MIXING REQUIREMENTS

1. The minimum cement factor shall be seven sacks per cubic yard of concrete.

2. The minimum permissible water-cement ratio shall be five gallons per sack of cement.

3. The average air content shall be five percent. The fine aggregate shall be reduced accordingly to provide the required air content.

4. The slump of the concrete shall not exceed four inches when tested in accordance with ASTM C-143, "Standard Test Method for Slump of Hydraulic-Cement Concrete". Batches or trucks showing more than this slump will be rejected and the contractor shall have no claim against the municipality of the Town Engineer or his representative for such rejection. This is the maximum limit and no tolerance above this limit will be permitted.

E. SAMPLING AND TESTING

1. Sampling and testing will be done in accordance with the requirements of ASTM C-39 "Method of Test for Compressive Strength of Molded Cylinders". The testing shall be performed by a laboratory, to be approved by the Town Engineer or his representative and all testing cost will be borne by the Contractor.

2. Tests of the concrete on random batches shall be supervised by the Town Engineer or his representative. At least one test comprising at least four cylinders

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shall be obtained each day when a minimum of 100 cubic yards of concrete is placed.

3. The concrete shall show an average strength in compression of 4,000 p.s.i when sampled, screed and tested in 28 days in accordance with the above specification. To conform to this average strength the following requirements must be met.

a. The average of five consecutive tests shall be a minimum of 3,650 p.s.i. A test shall be the average strength found by testing two or more cylinders from a single batch.

b. Four consecutive tests falling below 4,000 p.s.i. shall constitute failure to meet the specifications and shall be a sufficient basis for rejecting the corresponding areas of concrete placement.

c. Not more than two tests in ten shall fall below 3,650 p.s.i.

d. Where there is a question as to the quality of the concrete because of strength test failure, approval may be given to the contractor to sponsor alternate strength tests to verify or disprove the results. The tests and the basis of acceptance (or rejection) of the quality of the concrete by these alternate tests shall be agreed upon by the Town Engineer or his representative and the Contractor when approval is granted.

4. Weather limitation for concrete placement shall conform to the requirements of Section 502-3.01 of the Standard Specification of the New York State Department of Transportation.

3. METHOD OF MEASUREMENT

Item 14– Ready-Mix Concrete - The quantity to be paid for shall be the number of cubic yards used by the Town of Riverhead as shown by calibrated truck tickets, completed and accepted in accordance with the provisions of these specifications.

4. BASIS OF PAYMENT

Item 14 – Ready-Mix Concrete - The price bid shall include all necessary labor, equipment, machinery, aggregates, cement, water and all incidentals necessary to deliver and unload Ready-Mix Concrete as specified herein.

END OF SECTION

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ITEM NO. 15 POLYETHYLENE PIPE

1. DESCRIPTION - The Contractor shall furnish, deliver and unload high density polyethylene pipe at Stotzky Park, Riverhead, New York.

2. MATERIALS

- A. Polyethylene pipe shall have a smooth interior and annular exterior corrugations.
- B. 4- through 10-inch (100 to 250 mm) pipe shall meet AASHTO M252, Type S.
- C. 12- through 60-inch (300 to 1500 mm) pipe shall meet AASHTO M294, Type S.

3. METHOD OF MEASUREMENT

Item 15—The quantity is the number of linear feet of polyethylene pipe, diameter as specified below and on the Bid Proposal, delivered and unloaded at Stotzky Park.

4. BASIS OF PAYMENT

Item 15 – The unit price per linear foot of polyethylene pipe bid for this work, diameter as specified below and on the Bid Proposal, includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Polyethylene Pipe at Stotzky Park.

Payment Item	Pipe Type	Pipe Diameter
15P-4"	High Density Polyethylene	4"
15P-12"	High Density Polyethylene	12"
15P-15"	High Density Polyethylene	15"
15P-18"	High Density Polyethylene	18"
15P-24"	High Density Polyethylene	24"
15P-30"	High Density Polyethylene	30"
15P-36"	High Density Polyethylene	36"
15P-48"	High Density Polyethylene	48"

END OF SECTION

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ITEM NO. 28 – BASEBALL SAND MIX

1. DESCRIPTION - Under this item, the Contractor shall furnish, deliver and unload at the Town of Riverhead Stozky Park Facility Baseball Sand Mix in the quantities presented in a Town of Riverhead issued Purchase Order.

2. MATERIALS - All material acceptable for this item shall consist of a natural or artificial mixture of soils and/or crushed materials well graded from coarse to fine. Gradation of the granular material shall conform to the proportions indicated below:

<u>Sieve</u>	<u>% Passing</u>
1/4"	100
#4	98 - 100
#10	90 - 98
#18	80 - 95
#35	65 - 85
#60	20 – 40
#140	0 – 10%
#200	0-2%

The Contractor shall provide a sieve analysis and the source of material with the bid documents. The material shall not have any foreign material (glass, concrete, asphalt, wood etc.), chemicals or other deleterious matter in the delivered pile.

The Town has the right to reject any delivery of material that does not conform to the material specifications presented herein. Delivery of material must be accompanied by a volume ticket.

3. METHOD OF MEASUREMENT - The quantity to be paid for under this item will be the number of cubic yards of material delivered and unloaded at the Town of Riverhead Stozky Park Facility.

4. BASIS OF PAYMENT - The unit price bid per cubic yard shall cover the cost of delivering and unloading the specified material to Stotzky Park.

END OF SECTION

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ITEM NO. 29 BASEBALL CLAY MIX

1. DESCRIPTION - Under this item, the Contractor shall furnish, deliver and unload at the Town of Riverhead Stozky Park Facility Baseball Clay Mix of a natural or artificial mixture of soils. The material for this item must be brought in from outside the contract limits at the expense of the Contractor.

2. MATERIALS - All material acceptable for this item shall consist of a natural or artificial mixture of soils. Gradation of the granular material shall conform to the proportions indicated below:

CLAY MIX

Sand Portion	70-75%
Silt/Clay Combined	25-30%
Color	Natural Beige/Brown
Moisture Retention	31%
Plastic Limit	13%

SAND PORTION GRADATION

<u>Sieve</u>	<u>% Passing</u>
1/4"	100
#4	98 - 100
#10	90 - 98
#18	80 - 95
#35	65 - 85
#60	20 - 40
#140	0 - 10%
#200	0-2%

The Contractor shall provide a sieve analysis and the source of material with the bid documents. The material shall not have any foreign material (glass, concrete, asphalt, wood etc.), chemicals or other deleterious matter in the delivered pile.

The Town has the right to reject any delivery of material that does not conform to the material specifications presented herein. Delivery of material must be accompanied by a volume ticket.

3. METHOD OF MEASUREMENT - The quantity to be paid for under this item will be the number of cubic yards of material delivered and unloaded at the Town of Riverhead Stozky Park Facility.

4. BASIS OF PAYMENT - The unit price bid per cubic yard shall cover the cost of delivering and unloading the specified material to Stozky Park.

END OF SECTION

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ITEM NO. 30 UNDERDRAINS

1. DESCRIPTION - The Contractor shall furnish, deliver and unload Underdrains at Stotzky Park, Riverhead, New York.

2. MATERIALS

- A. Underdrain pipe shall meet the requirements of 706-18 of the New York State Department of Transportation Standard Specifications, May 1, 2008 (NYSDOT standard specifications) for 4", 6" and 8" perforated polyvinyl chloride underdrain pipe.

3. METHOD OF MEASUREMENT

Item 30—The quantity is the number of linear feet of underdrain pipe delivered and unloaded at Stotzky Park.

4. BASIS OF PAYMENT

Item 30 – The unit price per linear foot of underdrain pipe (30-4", 30-6" and 30-8") bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Underdrains at Stotzky Park.

END OF SECTION

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ITEM NO. 30-F GRANULAR FILL

1. DESCRIPTION - The Contractor shall furnish, deliver and unload Granular Fill at Stotzky Park, Riverhead, New York.

2. MATERIALS

A. Granular fill materials shall meet the requirements of 605-2.02 of the NYSDOT standard specifications for Underdrain Filter Type I.

3. METHOD OF MEASUREMENT

Item 30—The quantity is the number of cubic yards of granular fill delivered and unloaded at Stotzky Park.

4. BASIS OF PAYMENT

Item 30 – The unit price per cubic yard of Granular Fill (30-F) bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Granular Fill at Stotzky Park.

END OF SECTION

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ITEM NO. 31 COMPOSITE SOIL MIX

1. DESCRIPTION - The Contractor shall deliver composite soil mix (for bioretention planting mix) and pea gravel (for bioretention diaphragm) to Stotzky Park, Riverhead, New York.

2. MATERIALS

- A. The composite soil shall be a sandy loam, loamy sand, or loam, as defined by the United States Department of Agriculture (USDA), or a loam/sand mix containing a minimum 35 to 60% sand, by volume.
- B. The clay content of the soil shall be less than 25% by volume.
- C. The soils shall fall within the SM or ML classifications of the Unified Soil Classification System (USCS).
- D. A permeability of at least 1.0 foot per day (0.5"/hr) is required for the soil.
- E. The soil shall be free of stones, stumps, roots, or other woody material over 1" in diameter. Brush or seeds from noxious weeds.
- F. In addition, the soil shall meet the following requirements:

Parameter	Value
PH Range	5.2 to 7.00
Organic Matter	1.5 to 4.0%
Magnesium	35 lbs. per acre, minimum
Phosphorus (P2O5)	0 lbs. per acre, minimum
Potassium (K2O)	85 lbs. per acre, minimum
Soluble Salts	500 ppm
Clay	10 to 25%
Silt	30 to 55%
Sand	35 to 60%

- G. Material for pea gravel shall be composed of 1/8"-3/8" clean bank-run gravel meeting the requirements of ASTM D448, No. 6 aggregate.
- H. The Contractor shall provide a sieve analysis and test results certifying compliance with the above requirements. The location of the material sources shall also be provided with the bid documents.

3. METHOD OF MEASUREMENT

Item 31—The quantity is the number of cubic yards of composite soil mix and pea gravel, delivered and unloaded at Stotzky Park.

4. BASIS OF PAYMENT

Item 31 – The unit price per cubic yard of soil bid for this work shall include the cost of furnishing all labor, materials and equipment necessary to deliver and unload composite soil mix (Item No. 31-S) and pea gravel (Item No. 31-G) to Stotzky Park.

END OF SECTION

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ITEM NO. 32 TOPSOIL AND SEED

1. DESCRIPTION - The Contractor shall furnish, deliver and unload topsoil and seed at Stotzky Park in Riverhead, New York.

2. MATERIALS

A. All materials for this item shall meet the requirements of Part II, Section 6a, "Roadside Development Materials" of the County of Suffolk, New York, Public Works Specifications, November 1, 1958, amended March 1977.

B. Topsoil shall be as specified for M47 – Topsoil from Borrow.

C. Fertilizer shall be as specified for M54, type 3.

D. Lime shall be limestone as specified for M52.

E. Seed shall be as required for M58 and as follows:

(A=% Purity; B=Min. % Germination; C= Pounds of Pure Live Seed)

Name	Variety	A	B	C
Red Fescue (<i>Festuca rubra</i>)	Chewings or Creeping	98	85	50
Tall Fescue (<i>Festuca elatior</i> Arundinacea)	Alta or Kentucky	97	90	18
Kentucky Bluegrass (<i>Poa</i> <i>Pratensis</i>)	Commercial	85	75	30
Domestic Perennial Ryegrass (<i>Lolium perenne</i>) or Husnot Italian Perennial Ryegrass (<i>Lolium multiflorum</i>)	Commercial	98	90	20
Alsike Clover (<i>Trifolium</i> <i>Hybridum</i>)	Commercial Max. 25% hard seed	95	85	4
White Clover (<i>Trifolium</i> <i>Repens</i> var.)	Ladino Max. 25% hard seed	98	85	3

3. METHOD OF MEASUREMENT - Measurement will be made for delivery and unloading at Stotzky Park.

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- A. Topsoil - This work will be measured as the number of cubic yards delivered.
- B. Fertilizer - This work will be measured as the number of tons delivered.
- C. Lime – This work will be measured as the number of tons delivered.
- D. Seed – This work will be measured as the number of pounds delivered.

4. BASIS OF PAYMENT

A. General - The unit price bid for all work items shall include the cost of furnishing all labor, equipment, and materials necessary to deliver and unload Topsoil and Seed at Stotzky Park.

B. Payment will be made under:

Item No.	Item	Pay Unit
32-T	Topsoil	Cubic Yard
32-F	Fertilizer	Ton
32-L	Lime	Ton
32-S	Seed	Pound

END OF SECTION

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ITEM NO. 33 – ROAD SAND MIX

1. DESCRIPTION - Under this item, the Contractor shall furnish, deliver and unload at the Town of Riverhead Stozky Park Facility Road Sand Mix in the quantities presented in a Town of Riverhead issued Purchase Order.

2. MATERIALS - All material acceptable for this item shall consist of a natural or artificial mixture of soils and/or crushed materials well graded from coarse to fine. Gradation of the granular material shall conform to the proportions indicated below:

<u>Sieve</u>	<u>% Passing</u>
1/4"	100
#4	98 - 100
#10	90 - 98
#18	80 - 95
#35	65 - 85
#60	20 – 40
#140	0 – 10
#200	0-2

The Contractor shall provide a sieve analysis and the source of material with the bid documents. The material shall not have any foreign material (glass, concrete, asphalt, wood etc.), chemicals or other deleterious matter in the delivered pile.

The Town has the right to reject any delivery of material that does not conform to the material specifications presented herein. Delivery of material must be accompanied by a volume ticket.

3. METHOD OF MEASUREMENT - The quantity to be paid for under this item will be the number of cubic yards of Road Sand Mix delivered and unloaded at Stozky Park.

4. BASIS OF PAYMENT - The unit price bid per cubic yard shall cover the cost of delivering and unloading Road Sand Mix to the above referenced site.

END OF SECTION

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ITEM NO. 34 PLANTING MIX

1. DESCRIPTION - The Contractor shall deliver and unload Planting Mix at Stotzky Park, Riverhead, New York.

2. MATERIALS

Planting mix shall meet the following requirements:

Material	Quantity	Ratio
Vermiculite or Perlite	1 Bushel	298
Sphagnum Peat Moss	1 Bushel	298
Commercial, Slow Release Granular Fertilizer (13-0-13 or 15-0-15)	1 Cup	2
Ground Limestone	1-1/4 Cups	2.5
Commercial Granular Fertilizer (18-0-0 or 11-0-0)	½ Cup	1

3. METHOD OF MEASUREMENT

Item 34—The quantity is the number of cubic yards of Planting Mix, delivered and unloaded at Stotzky Park.

4. BASIS OF PAYMENT

Item 34 – The unit price per cubic yard of Planting Mix bid for this work shall include the cost of furnishing all labor, materials and equipment necessary to deliver and unload Planting Mix at Stotzky Park.

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL CONSTRUCTION CONTRACT

ITEM 44 ASPHALT PAVEMENT CRACK AND JOINT SEALANT

1. DESCRIPTION - The work under this item shall consist of furnishing all labor, equipment and materials for delivering and unloading hot-applied modified asphalt sealant for pavement cracks and joints to the Town of Riverhead Highway Facility, 1177 Osborn Avenue. Delivered quantities shall be as stated on a Town of Riverhead Purchase Order (PO).

2. MATERIALS – The asphalt pavement crack and joint sealant shall meet the following requirements:

- Direct fire oil-jacketed
- ASTM D6690 Types I and II, Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
- AASHTO M324 (M173) Type I, Standard Practice for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
- Federal Specification SS-S-164, Sealer, Hot- Poured Type, for Joints in Concrete

Product shall be Crafcoc Inc. Road Saver 211, Part# 34211 or approved equal.

3. METHOD OF MEASUREMENT – The quantity measured under this work shall be the number of pounds of sealant as specified above furnished, delivered and unloaded at the Town Highway Facility, 1177 Osborn Avenue.

4. BASIS OF PAYMENT – The unit price bid per pound for this item shall include the cost of all labor and equipment necessary to furnish, deliver and unload the Asphalt Pavement Crack and Joint Sealant at the above-referenced location.

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 60 ASPHALT CONCRETE TYPE 1, BASE COURSE LOADED INTO
TOWN OF RIVERHEAD TRUCKS

- 1. DESCRIPTION** – The successful bidder shall supply labor and material to furnish and load Asphalt Concrete Type 1, Base Course into Riverhead Town trucks. Bidder shall be located within 15 miles of the Town of Riverhead Highway Maintenance garage located at 1177 Osborne Avenue, Riverhead, New York. The Contractor shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead trucks will pick up the material.
- 2. MATERIALS** – The materials shall conform to section 403-02 of the New York State Department of Transportation (NYSDOT) Standard Specifications.
- 3. METHOD OF MEASUREMENT** - The supplier shall furnish an electronic weight ticket of the amount of Type 1 Base Course in tons placed into the Town trucks.
- 4. METHOD OF PAYMENT** – Payment for this item shall be made by the unit price multiplied by the number of tons provided and loaded into Riverhead Town trucks.

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 62 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 3RA BINDER COURSE, LOADED INTO TOWN OF RIVERHEAD TRUCKS

1. DESCRIPTION – The successful bidder shall supply labor and material to furnish and load New York State Department of Transportation (NYSDOT) Standard Specifications Rut Avoidance Asphalt Concrete, Type 3RA Binder Course loaded into Riverhead Town trucks. Bidder shall be located within 15 miles of the Town of Riverhead Highway Facility located at 1177 Osborn Avenue, Riverhead, New York. The supplier shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead trucks will pick up the material.

2. MATERIALS – The requirements for Item 18403.1333, Rut Avoidance Asphalt Concrete, Type 3RA, as listed in the Standard Specifications of the New York State Department of Transportation, shall be used with the following modifications:

Materials

Aggregates

Wappinger Dolomite as defined by the New York State Department of Transportation shall be excluded from use in Item 52.

Reclaimed Asphalt Pavement (RAP)

Reclaimed Asphalt Pavement (RAP) meeting the following may be utilized in Item 52.

1. The RAP shall be tested by an approved laboratory and certified to be 100% free of Wappinger Dolomite as defined by the New York State Department of Transportation.
2. A maximum of 20% RAP may be used.
3. A separate mix design for the RAP mixture must be submitted to the Town Engineer for approval. The resultant mixture of reclaimed asphalt pavement (RAP), new aggregates and asphalt cement must meet all material and Marshall properties as specified for Item 18403.1333.

In addition, the supplier will supply the Town Engineer with the following information:

4. Gradation and Asphalt content of the RAP.
5. Penetration of recovered asphalt cement.
6. New aggregate blend percentages.
7. RAP/new aggregate blend percentages.

ITEM NO. 62 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 3RA BINDER COURSE, LOADED INTO TOWN OF RIVERHEAD TRUCKS

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8. Combined aggregate gradations.
9. Total asphalt demand.
10. Percent of new asphalt required.
11. Penetration blending chart and grade on new asphalt selected.

As well as summation of the established job mix formula which contains the following:

1. Gradation of the recycled mixture.
2. Percentage of RAP added.
3. Percentage of new aggregate added.
4. Optimum asphalt cement content from graphs.
5. Added asphalt cement content.
6. Grade of added asphalt cement.

Once the job mix formula is established and approved by the Town Engineer, all mixtures furnished for the project shall conform thereto. If any of the materials used to develop the original job mix formula change (RAP source or stockpile, new aggregates, asphalt cement) the supplier will be required to submit a new mix design based upon the properties of the materials presently being used.

3. METHOD OF MEASUREMENT – The supplier shall furnish an electronic weight ticket of the amount of Rut Avoidance Asphalt Concrete, Type 3RA Binder Course in tons placed into the Town trucks.

4. METHOD OF PAYMENT – Payment for this item shall be made by the unit price multiplied by the number of tons provided and loaded into Riverhead Town trucks.

END OF SECTION

ITEM NO. 62 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 3RA BINDER COURSE, LOADED INTO TOWN OF RIVERHEAD TRUCKS

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 64 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 6FRA TOP COURSE LOADED INTO TOWN OF RIVERHEAD TRUCKS

1. DESCRIPTION – The successful bidder shall supply labor and material to furnish and load New York State Department of Transportation (NYSDOT) Standard Specifications for Rut Avoidance Asphalt Concrete, Type 6FRA Top Course, into Riverhead Town trucks. Bidder shall be located within 15 miles of the Town of Riverhead Highway Facility located at 1177 Osborne Avenue, Riverhead, New York. The supplier shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead trucks will pick up the material.

2. MATERIALS – The requirements for Item 18403.1733 Rut Avoidance Asphalt Concrete, Type 6FRA Top Course, as listed in the Standard Specifications of the New York State Department of Transportation, shall be used with the following modifications:

Aggregates

Wappinger Dolomite as defined by the New York State Department of Transportation shall be excluded from use in Item 49.

Reclaimed Asphalt Pavement (RAP)

Reclaimed Asphalt Pavement (RAP) meeting the following may be utilized in Item 49:

- a. The RAP shall be tested by an approved laboratory and certified to be 100% free of Wappinger Dolomite as defined by the New York State Department of Transportation.
- b. A maximum of 20% RAP may be used.
- c. A separate mix design for the RAP mixture must be submitted to the Town Engineer for approval. The resultant mixture of reclaimed asphalt pavement (RAP), new aggregates and asphalt cement must meet all material and Marshall properties as specified for Item 18403.1733.

In addition, the supplier will supply the Town Engineer with the following information:

- d. Gradation and Asphalt content of the RAP.
- e. Penetration of recovered asphalt cement.
- f. New aggregate blend percentages.
- g. RAP/new aggregate blend percentages.
- h. Combined aggregate gradations.

ITEM NO. 64 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 6FRA TOP COURSE LOADED INTO TOWN OF RIVERHEAD TRUCKS

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- i. Total asphalt demand.
- j. Percent of new asphalt required.
- k. Penetration blending chart and grade on new asphalt selected.

As well as a summation of the established job mix formula which contains the following:

- a. Gradation of the recycled mixture.
- b. Percentage of RAP added.
- c. Percentage of new aggregate added.
- d. Optimum asphalt cement content from graphs.
- e. Added asphalt cement content.
- f. Grade of added asphalt cement.

Once the job mix formula is established and approved by the Town Engineer, all mixtures furnished for the project shall conform thereto. If any of the materials used to develop the original job mix formula change (RAP source or stockpile, new aggregates, asphalt cement) the supplier will be required to submit a new mix design based upon the properties of the materials presently being used.

3. METHOD OF MEASUREMENT – The supplier shall furnish an electronic weight ticket of the amount of Rut Avoidance Asphalt Concrete, Type 6FRA Top Course, in tons placed into the Town trucks.

4. METHOD OF PAYMENT – Payment for this item shall be made by the unit price multiplied by the number of tons provided and loaded into Riverhead Town Trucks.

END OF SECTION

TOWN OF RIVERHEAD
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ITEM NO. 66 COLD MIX BITUMINOUS PAVEMENT LOADED INTO TOWN OF RIVERHEAD TRUCKS

1. DESCRIPTION – The successful bidder shall supply labor and material to furnish and load Cold Mix Bituminous Pavement into Riverhead Town trucks. Bidder shall be located within 15 miles of the Town of Riverhead Highway Maintenance garage located at 1177 Osborne Avenue, Riverhead, New York. The Contractor shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead Trucks will pick up the material.

2. MATERIALS – The materials shall meet the requirements of 405-2, Type 1 Cold Bituminous Mixture in the New York State Department of Transportation Standard Specifications.

- A. The bituminous material shall be one of the following:
 - a. UPM by Unique Paving Materials Corp.
 - b. S-K Mod by Suit-Kote Corp.
 - c. Duro-Patch 115 by Gorman Brothers
 - d. MAC-V by Midland Asphalt Corporation
 - e. BOND-X or PERFORMIX by Seaboard Asphalt Products, Inc.
 - f. Sylcrete EV by Sylcrete Corporation
 - g. Approved equal.

3. METHOD OF MEASUREMENT – The supplier shall furnish an electronic weight ticket of the quantity in tons amount of Cold Mix Bituminous Pavement placed into the Town trucks.

4. METHOD OF PAYMENT – Payment for this item shall be made by the unit price multiplied by the number of tons provided and loaded into Riverhead Town Trucks.

END OF SECTION

ITEM NO. 66 COLD MIX BITUMINOUS PAVEMENT LOADED INTO TOWN OF RIVERHEAD TRUCKS

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 68 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 7FRA TOP COURSE, LOADED INTO TOWN OF RIVERHEAD TRUCKS

1. DESCRIPTION – The successful bidder will supply labor and material to furnish and load New York State Department of Transportation (NYSDOT) Standard Specifications for Rut Avoidance Asphalt Concrete, Type 7FRA Top Course, into Riverhead Town trucks. The Bidder's plant shall be located within 15 miles of the Town of Riverhead Highway Facility located at 1177 Osborne Avenue, Riverhead, New York. The Contractor shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead trucks will pick up material.

2. MATERIALS – The requirements for Item 18403.1933, Rut Avoidance Asphalt Concrete, Type 7FRA Top Course, as listed in the Standard Specifications of the New York State Department of Transportation, shall be used with the following modifications:

Materials

Aggregates

Wappinger Dolomite as defined by the New York State Department of Transportation shall be excluded from use in Item 50.

Reclaimed Asphalt Pavement (RAP)

Reclaimed Asphalt Pavement (RAP) meeting the following may be utilized in Item 50:

- a. The RAP shall be tested by an approved laboratory and certified to be 100% free of Wappinger Dolomite as defined by the New York State Department of Transportation.
- b. A maximum of 20% RAP may be used.
- c. A separate mix design for the RAP mixture must be submitted to the Town Engineer for approval. The resultant mixture of reclaimed asphalt pavement (RAP), new aggregates and asphalt cement must meet all material and Marshall Properties as specified for Item 18403.1933.

In addition, the Contractor will supply the Town Engineer with the following information:

- d. Gradation and Asphalt content of the RAP.
- e. Penetration of recovered asphalt cement.
- f. New aggregate blend percentages.
- g. RAP/new aggregate blend percentages.

ITEM NO. 68 RUT AVOIDANCE ASPHALT CONCRETE, TYPE 7FRA TOP COURSE, LOADED INTO TOWN OF RIVERHEAD TRUCKS

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- h. Combined aggregate gradations.
- i. Total asphalt demand.
- j. Percent of new asphalt required.
- k. Penetration blending chart and grade on new asphalt selected.

As well as a summation of the established job mix formula which contains the following:

- l. Gradation of the recycled mixture.
- m. Percentage of RAP added.
- n. Percentage of new aggregate added.
- o. Optimum asphalt cement content from graphs.
- p. Added asphalt cement content.
- q. Grade of added asphalt cement.

Once the job mix formula is established and approved by the Town Engineer, all mixtures furnished for the project shall conform thereto. If any of the materials used to develop the original job mix formula change (RAP source or stockpile, new aggregates, asphalt cement) the Contractor will be required to submit a new mix design based upon the properties of the materials presently being used.

3. METHOD OF MEASUREMENT – The supplier shall furnish an electronic weight ticket of the amount of Rut Avoidance Asphalt Concrete, Type 7FRA Top Course, in tons placed into the Town trucks.

4. BASIS OF PAYMENT – The unit price bid per ton for this item shall include the cost of providing and loading asphalt into Town trucks.

END OF SECTION

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ITEM NO. 70 ASPHALT PRICE ADJUSTMENT

1. **DESCRIPTION:** This item will provide for additional compensation to, or repayment by, the Contractor for increases or decreases in the price of asphalt throughout the life of the Contract. This adjustment will be computed within the prescribed conditions and in conformance with written procedures of the Town.

A. **ELIGIBLE ITEMS.** Price adjustments will be determined for eligible items listed elsewhere in this proposal. No adjustment will be provided for any new items incorporated into the work by orders-on-contract or those items paid for under force account or agreed unit prices. In addition, work ordered by the Town Engineer and performed by the Contractor at his own expense will not be eligible for asphalt price adjustment.

B. **METHOD OF COMPUTATION**

1. **ASPHALT PRICE ADJUSTMENT**

a. The quantity of asphalt (tons) considered for adjustment will be determined by multiplying the quantity of eligible items placed by their conversion factor as listed in the table below.

b. Asphalt price adjustment will be based on the following formulas:

• **When the price increases:**

Asphalt adjustment = ((quantity of asphalt) X (conversion factor)) X ((average posted price)-(asphalt price index price + \$10.00))

• **When the price decreases:**

Asphalt adjustment = ((quantity of asphalt) X (conversion factor)) X ((average posted price)-(asphalt index price - \$10.00))

Where the:

Asphalt Index Price. A fixed price per ton of asphalt. This price is used solely as a base from which to compute asphalt price adjustments. Its dollar amount is specified in the asphalt price adjustment note, as listed in the table below.

Average Posted Price. The average FOB terminal price for Performance Graded Binder Type 64-22 or approved equal,

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without anti-stripping agent, will be determined by the Town monthly, based on prices of the New York State Department of Transportation (NYSDOT) approved primary sources of performance graded binder

The asphalt price adjustment will be based solely on the price changes for asphalt as determined by the above formulas. No consideration will be given to the situation where an individual supplier's price exceeds the Average Posted Price, nor shall any adjustment be made unless the Average Posted Price is either \$10.00 greater than or less than the Asphalt Index Price.

2. **METHOD OF MEASUREMENT:** The necessary (NEC) lump sum shown in the proposal for this item shall be considered the price bid, although actual payment will be based on the work performed. The NEC lump sum is not to be altered in any manner by the bidder.
3. **BASIS OF PAYMENT:** The actual asphalt price adjustment will be made every thirty (30) days and will be based on the methods of computation previously described in this specification. No adjustments, either positive or negative, will be made until payment of the final estimate.

The adjustment will be based on the quantity of eligible items placed and the Average Posted Price in effect for that thirty (30) day period. The index price which shall apply to the contract shall be \$411.00/ton as posted on the NYSDOT web site (<https://www.dot.ny.gov/main/business-center/contractors/construction-division/fuel-asphalt-steel-price-adjustments>) for NYSDOT Average Posted Prices for Asphalt (Performance Graded Binder), February 2016.

ASPHALT PRICE ADJUSTMENT

ITEMS ELIGIBLE FOR ASPHALT PRICE ADJUSTMENT

Item No.	Description	Conversion Factor ¹
505	Rut Avoidance Asphalt Concrete Type 6FRA Top Course	0.062 (0.059)
506	Rut Avoidance Asphalt Concrete, Type 7FRA	0.063 (0.060)
515	Rut Avoidance Asphalt Concrete, Type 3RA Binder Course	0.055 (0.036)

Note 1: **“Conversion Factor”** for computation of the quantity of asphalt cement considered for adjustment shall be the target asphalt cement content as established in the approved design mix submitted by the Contractor and approved by the Engineer. The Conversion Factors displayed in the Table (above) shall be the maximum allowed. “Conversion Factors” in parenthesis are for use with “reclaimed Asphalt Pavement (RAP).”

END OF SECTION

TOWN OF RIVERHEAD
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ITEM NO 72 SAND ASPHALT BASE COURSE LOADED INTO TOWN OF RIVERHEAD TRUCKS

1. DESCRIPTION – The successful bidder shall supply labor and materials to furnish and load sand asphalt base course material into Riverhead Town Trucks. The plant where the Town of Riverhead shall pick up this item shall be located within 15 miles of the Town of Riverhead Highway Maintenance Garage located at 1177 Osborne Avenue, Riverhead, New York. The Contractor shall provide information on the plant at the time of bid submittal. Required information includes the plant location where the Town of Riverhead trucks will pick up the material.

2. MATERIALS – The aggregates to be used shall be a local bank run gravel and limestone filler or a combination of sand, stone and limestone filler. All aggregate except the limestone filler shall be passed through a dryer and the properly graded aggregates shall be introduced into the pugmill at a temperature specified by the Town Engineer or his representative between the limits of 275 degrees F and 350 degrees F.

A. Asphalt Cement: The asphalt used in the mix shall be a paving grade asphalt meeting the requirements of Item 64 and shall be introduced into the pugmill at a temperature specified by the Town Engineer or his representative between the limits of 275 degrees F and 350 degrees F.

B. Proportioning: All materials used in the mix including the bituminous material shall be proportional as specified under table “Composition of Mixture” of this specification.

COMPOSITION OF MIXTURE

Passing 2” screen	100%
Passing ½” screen	76-95%
Passing 1/8” screen	67-87%
Passing #40 sieve	2-10%
Asphalt Cement	5-9.5%

The submission of a job mix formula as required in the general specification will not be required for this item. The plan formula and the proportion of the mixture will be specified by the Town Engineer or his representative within the limits stated in the table “Composition of Mixture”. Material passing the 200 mesh sieve will be considered as filler and will be deducted from the amount of pulverized limestone needed to meet the requirements of the #200 mesh sieve.

5. METHOD OF MEASUREMENT – The quantity to be paid for under this item will be the number of tons of material loaded into Town of Riverhead trucks.

6. BASIS OF PAYMENT – The unit price bid per ton for this item shall include the cost of furnishing materials, labor and equipment necessary to provide and load sand asphalt base course into Riverhead Town trucks.

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 152 – CERTIFIED WOOD FIBER SAFETY SURFACE

1. DESCRIPTION - The Contractor shall deliver and unload certified wood fiber safety surface at Stotzky Park in the Town of Riverhead. Contractor must provide an engineered wood fiber (GT Impax or approved equal) consisting of soft woods and/or hardwoods. The wood fibers shall be randomly sized with the majority not exceeding 1.5” in length and containing 10% to 20% fines to aid in compaction. Products must prove to be non-toxic. It may not contain any recycled wood products or any wood containing paint, chemicals or additives. Bidder must provide toxicity data.

Product to have minimal bark and to be free of twigs, leaf debris and other organic material, and to be certified as non-flammable (test data must be available upon request).

2. QUALITY ASSURANCE - Manufacturer must provide proof of IPEMA certification. “In the interest of public playground safety, IPEMA provides an independent laboratory which validates a manufacturer’s certification of conformance to ASTM F1292-99. A list of current validated products, their thickness and critical heights may be viewed at www.ipema.org.”

Manufacturer must be in compliance and provide testing data for the following standards as set forth by the American Society for Testing and Materials (ASTM) for surface systems under and around playground equipment.

ASTM F1951-99 (previously ASTM PS 83-97) Determination of Accessibility of Surface Systems Under and Around Playground Equipment.

ASTM F2075-01 Engineered Wood Fiber for Use as a Playground Safety Surface Under and Around Playground Equipment.

When installed to a compacted depth of eight inches, GT Impax engineered wood fiber (or approved equal) will, when tested according to ASTM F1292-99, have a critical height (i.e. G-max less than 200, HIC less than 1,000) of 8 ft. minimum. Twelve inches of GT Impax engineered wood fiber, when tested according to ASTM F1292-99, will have a critical height of 12-ft. minimum.

When tested according to ASTM C186-76A, a maximum of 20 percent of GT Impax engineered wood fiber may pass a No. 16 sieve.

3. SUBMITTALS - Submittal packages shall include but not be limited to: (1) product samples, (2) supplier’s written warranty, and (3) independent laboratory results for tests required in Quality Assurance.

4. MATERIALS - GT Impax engineered wood fiber (or approved equal) is a wood product manufactured from virgin hardwood or softwood. It is comprised of wood fibers of up to 1.5in in length and contains up to 10-20 percent fines to aid in compaction.

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5. METHOD OF MEASUREMENT

Item 152– The quantity is the number of cubic yards of material, delivered and unloaded at Stotzky Park in the Town of Riverhead.

6. BASIS OF PAYMENT

Item 152 – The unit price per cubic yards bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload certified wood fiber safety surface at the Town of Riverhead Stotzky Park.

END OF SECTION

TOWN OF RIVERHEAD
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ITEM NO. 160 LANDSCAPING WOOD MULCH

1. DESCRIPTION

The Contractor shall deliver and unload Landscaping Wood Mulch at Stotzky Park in the Town of Riverhead. The mix shall be a mixture of acceptable types of tree species.

2. MATERIALS

Mulch shall not include Black Walnut tree species.

Mulch Size Distribution

	<u>Low-Grade</u>	<u>High-Grade</u>
• Length:	1-2''	max. 1''
• Overs:	(>2''), max. 25%	(>1''), max.5%
• Thickness:	Not critical	Not critical
• Width	Not critical	Not critical
• Deleterious Mtl	5%	1%
• Fines (higher than #200 sieve)	15%	20%

3. METHOD OF MEASUREMENT

Item 160– The quantity is the number of cubic yards of landscaping wood mulch, delivered and unloaded at Stotzky Park in the Town of Riverhead. .

4. BASIS OF PAYMENT

Item 160 – The unit price per cubic yard bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload high grade and low grade landscaping wood mulch, Item No. 160-H and Item No. 160-L, respectively, at the Town of Riverhead Stotzky Park.

END OF SECTION

TOWN OF RIVERHEAD
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ITEM NO. 170 BLUE STONE

1. DESCRIPTION - The Contractor shall deliver and unload Blue Stone at Stotzky Park in the Town of Riverhead. The Town shall provide the Contractor with a Purchase Order for the type and quantity of Blue Stone to be delivered.

2. MATERIALS - Blue Stone Aggregate to be specified by size:

1. 3/8" Blue Stone: Conforming to ASTM D 448 gradation as shown in Table 1 below.
2. 3/4" Blue Stone: Conforming to ASTM D 448 gradation as shown in Table 2 below.
3. Blue Stone Screenings: Conforming to the gradation as shown in Table 3 below.

Table 1
ASTM No. 8 Grading Requirements - 3/8" Blue Stone

Sieve Size	Percent Passing
12.5 mm (1/2 in.)	100
9.5 mm (3/8 in.)	85 to 100
4.75 mm (No. 4)	10 to 30
2.36 mm (No. 8)	0 to 10
1.16 mm (No. 16)	0 to 5

Table 2
ASTM No. 57 Grading Requirements - 3/4" Blue Stone

Sieve Size	Percent Passing
37.5 mm (1 1/2 in.)	100
25 mm (1 in.)	95 to 100
12.5 mm (1/2 in.)	25 to 60
4.75 mm (No. 4)	0 to 10
2.36 mm (No. 8)	0 to 5

Table 3
Grading Requirements - Blue Stone Screenings

Sieve Size	Percent Passing
12.5 mm (1/2 in.)	100
6.35 mm (1/4 in.)	90 to 100
0.300 mm (No. 200)	0 to 1

3. METHOD OF MEASUREMENT

Item 170– The quantity is the number of cubic yards of material, delivered and unloaded at Stotzky Park in the Town of Riverhead.

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4. BASIS OF PAYMENT

Item 170 – The unit price per cubic yard bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Blue Stone at the Town of Riverhead Stotzky Park.

Payment will be made under:

Item No.	Item	Pay Unit
170-3/8"	Blue Stone - 3/8"	Cubic Yard
170-3/4"	Blue Stone - 3/4"	Cubic Yard
170-S	Blue Stone Screenings	Cubic Yard

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 172 TRAP ROCK

1. DESCRIPTION - The Contractor shall deliver and unload Trap Rock at Stotzky Park or the Highway Facility in the Town of Riverhead, NY where specified by the Town Engineer. The Town shall provide the Contractor with a Purchase Order for the type and quantity of Trap Rock to be delivered.

2. MATERIALS - Trap rock shall conform to New York State Department of Transportation Standard Specification for materials from Table 703-4, Size Designation 4.

3. METHOD OF MEASUREMENT

Item 172– The quantity is the number of cubic yards of material, delivered and unloaded at Stotzky Park or the Highway Facility in the Town of Riverhead.

4. BASIS OF PAYMENT

Item 172 – The unit price per cubic yards bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Trap Rock materials at Stotzky Park or the Highway Facility.

END OF SECTION

TOWN OF RIVERHEAD
ANNUAL PROCUREMENT CONTRACT

ITEM NO. 184 NON-WOVEN GEOTEXTILE

1. DESCRIPTION - This work includes providing all labor, materials, tools, and equipment necessary for delivering and unloading rolled Non-Woven Geotextiles to either 1295 Pulaski Street, Riverhead, New York 11901 or to 1177 Osborne Avenue, Riverhead, New York 11901 as directed by the Town Engineer. The Contractor geotextiles shall be comprised of polypropylene staple fibers, Mirafi 160N or approved equal.

2. MATERIALS - Mirafi 160N (or approved equal) is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Geotextile shall be inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

3. METHOD OF MEASUREMENT

Item 184– The quantity is the number of square yards of material, delivered and unloaded at either 1295 Pulaski Street, Riverhead or 1177 Osborne Avenue, Riverhead, New York 11901.

4. BASIS OF PAYMENT

Item 184 – The unit price per square yards bid for this work includes the cost of furnishing all labor, materials and equipment necessary to deliver and unload Non-Woven Geotextile materials to the Town of Riverhead.

END OF SECTION

NON-COLLUSIVE CERTIFICATE
(MUST BE COMPLETED, SIGNED, NOTARIZED AND RETURNED WITH BID)

UNDER PENALTIES OF PERJURY:

_____ (BIDDER), BEING DULY SWORN, DEPOSES
AND SAYS:

- A) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor;
- B) This bid or proposal has not knowingly been disclosed, prior to the opening of bids or proposals for this project, to any other bidder, competitor, or potential competitor;
- C) No attempt has been made or will be made to induce any other person, partnership, or corporation to submit or not to submit a bid or proposal;
- D) The person signing this bid or proposal certifies that he has been fully informed regarding the accuracy of the statements contained in this certification, and under penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as the person signing on its' behalf; and
- E) That the attached hereto (if a corporate bidder) is a certified copy of a resolution authorizing the execution of this certificate by the signatory of this bid or proposal on behalf of the corporate bidder.

Corporation: _____
(PRINT CORPORATION NAME)

(SIGNATURE)

(TITLE)

Address: _____

Sworn to before me this
_____ day of _____, 20____

NOTARY PUBLIC

BID AWARD ACKNOWLEDGEMENT

I, _____ on behalf of _____
(Name) (Identify Contractor/Vendor, i.e.: Self, Business or Corporate Entity)

acknowledge that I have read the bid specifications and all such terms and conditions, including the Town's reservation of right to make purchases of materials, equipment, or supplies, or to contract for services, when available, through the county in which the political subdivision or district is located or through any county within the state as set forth in General Municipal Law 103(3) and the Town reserves the right to make purchases of materials, equipment, or supplies, or to contract for services available pursuant to sections 161 and 167 of the state finance law through the office of general services as set forth in General Municipal Law 104 provided such purchase or service may be made upon the same terms, conditions and specifications at a lower price and fully understand and agree to all such terms and conditions set forth in the bid specifications.

Signature: _____

Print Name: _____

Title: _____

Dated: _____

ACCEPTANCE SHEET

(MUST BE COMPLETED, SIGNED, AND RETURNED WITH BID)

I/WE FULLY UNDERSTAND THAT THE ACCEPTANCE OF THIS BID IS SUBJECT TO THE PROVISIONS OF SECTION 103A AND 103B OF THE GENERAL MUNICIPAL LAW.

NAME OF CONTRACTOR

ADDRESS

CITY, STATE, ZIP CODE

CONTACT PERSON

DATE

SIGNATURE OF CONTRACTOR

ANNUAL MATERIALS AND ASPHALT PROCUREMENT CONTRACT 2016

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
50	60	Asphalt Concrete Type 1, Base Course Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
	62	Rut Avoidance Asphalt Concrete, Type 3RA Binder Course, Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
	64	Rut Avoidance Asphalt Concrete, Type 6FRA Top Course Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
	68	Rut Avoidance Asphalt Concrete, Type 7FRA Top Course Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
Total Bid Comparison Award No. 50							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
51	66	Cold Mix Bituminous Pavement Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
Total Bid Comparison Award No. 51							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
52	72	Sand Asphalt Base Course Loaded into Town of Riverhead Trucks	Ton	0 - 500		250	
Total Bid Comparison Award No. 52							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
53	28	Baseball Sand Mix	CY	0-500		250	
	29	Baseball Clay Mix	CY	0-500		250	
	33	Road Sand Mix	CY	0-500		250	
Total Bid Comparison Award No. 53							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
54	31-S	Composite Soil Mix	CY	0-1000		500	
	31-G	Pea Gravel	CY	0-100		100	
Total Bid Comparison Award No. 54							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
55	4-P	Recycled Concrete Aggregate	CY	0-1,000		500	
Total Bid Comparison Award No. 55							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
56	152	Certified Wood Fiber Safety Surface	CY	0-500		250	
Total Bid Comparison Award No. 56							

ALL ITEMS IN AN AWARD GROUPING (I.E. 2, 3, 4.....) MUST BE COMPLETED TO BE CONSIDERED A COMPETITIVE BID

ESTIMATED QUANTITIES LISTED ARE SOLEY FOR BIDDING PURPOSES. THE TOWN RESERVES THE RIGHT TO INCREASE OR DECREASE QUANTITIES AS DEEMED NECESSARY. ITEMS FROM ANY AWARD MAY BE UTILIZED WITHOUT UTILIZING SOME OR ALL ITEMS IN THE SAME AWARD GROUPING

ANNUAL MATERIALS AND ASPHALT PROCUREMENT CONTRACT 2016

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
57	160-L	Landscaping Wood Mulch-Low Grade	CY	0-500		250	
	160-H	Landscaping Wood Mulch - High Grade	CY	0-500		250	
Total Bid Comparison Award No. 57							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
58	170-3/8"	Blue Stone - 3/8"	CY	0-500		250	
	170-3/4"	Blue Stone - 3/4"	CY	0-500		250	
	170-S	Blue Stone Screenings	CY	0-500		250	
Total Bid Comparison Award No. 58							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
59	172	Trap Rock	CY	0-500		250	
Total Bid Comparison Award No. 59							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
60	14	Ready-Mix Concrete	CY	0-5 CY		2	
Total Bid Comparison Award No. 60							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
61	14	Ready Mix Concrete	CY	6-10 CY		8	
Total Bid Comparison Award No. 61							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
62	14	Ready Mix Concrete	CY	11-15 CY		12	
Total Bid Comparison Award No. 62							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
63	30-4"	4" Diameter Underdrains	LF	0-500		250	
	30-6"	6" Diameter Underdrains	LF	0-500		250	
	30-8"	8" Diameter Underdrains	LF	0-500		250	
	15-4"	4" Diameter Polyethylene Pipe	LF	0-500		250	
	15-12"	12" Diameter Polyethylene Pipe	LF	0-500		250	
	15-15"	15" Diameter Polyethylene Pipe	LF	0-500		250	
	15-18"	18" Diameter Polyethylene Pipe	LF	0-500		250	
	15-24"	24" Diameter Polyethylene Pipe	LF	0-500		250	
	15-30"	30" Diameter Polyethylene Pipe	LF	0-500		250	
	15-36"	36" Diameter Polyethylene Pipe	LF	0-500		250	
	15-48"	48" Diameter Polyethylene Pipe	LF	0-500		250	
	184	Non-Woven Geotextile	SY	0-1500		1000	
Total Bid Comparison Award No. 63							

ALL ITEMS IN AN AWARD GROUPING (I.E. 2, 3, 4.....) MUST BE COMPLETED TO BE CONSIDERED A COMPETITIVE BID

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ANNUAL MATERIALS AND ASPHALT PROCUREMENT CONTRACT 2016

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
64	32-T	Topsoil	CY	0-100		100	
	32-F	Fertilizer	Ton	0-5		5	
	32-L	Lime	Ton	0-5		5	
	32-S	Seed	Pounds	0-1000		1000	
Total Bid Comparison Award No. 64							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
65	34	Planting Mix	CY	0-1000		500	
Total Bid Comparison Award No. 65							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
66	30-F	Granular Fill	CY	0-500		250	
Total Bid Comparison Award No. 66							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
67	44	Asphalt Pavement Crack and Joint Sealant	Lbs	0-1000		700	
Total Bid Comparison Award No. 67							

Award No.	Item No.	Description	Unit	Quantity	Unit Cost	Estimated Quantity	Total Price
68	44	Asphalt Pavement Crack and Joint Sealant	Lbs	1001-1500		1,500	
Total Bid Comparison Award No. 68							

ALL ITEMS IN AN AWARD GROUPING (I.E. 2, 3, 4.....) MUST BE COMPLETED TO BE CONSIDERED A COMPETITIVE BID

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