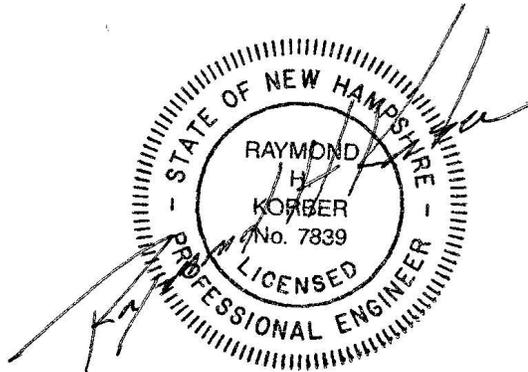


ADDENDUM No. 1
TO THE
CONTRACT DOCUMENTS
FOR CONSTRUCTION OF
PLAYGROUND DRIVE SOCCER FIELD
FOR THE
TOWN OF MOULTONBOROUGH, NEW HAMPSHIRE

APRIL 18, 2013



This Addendum shall be included in and shall form a part of the Contract Documents dated February 2013. The items set forth herein, whether by omission, addition, substitution or other change are all included in and shall form a part of the proposed work and Bids submitted to the Owner. Clarifications and Questions and Answers are issued for the purpose of interpretation only and are not included in nor do they form a part of the Contract Documents.

Inclusion of this Addendum must be acknowledged by inserting the addendum number in the appropriate place in the Bid Form. Failure to acknowledge any and all addenda in the Bid Form as specified may be cause for rejection of the Bid by the Owner as a non-responsive Bid.

This Addendum consists of the following modifications to the Contract Documents:

- 1. Pages AD1-1 through AD1-5.**
- 2. Bid Schedule, Page 2**

ADDENDUM No. 1
AD1-1

DRAWINGS

SHEET NO. 2

A. Delete General Note 2 in its entirety and replace with the following:

2. REFER TO SHEETS M1 AND M2 FOR MITIGATION REQUIREMENTS.

DOCUMENTS AND SPECIFICATIONS

SECTION 00300-BID FORM

Bid Schedule: Delete Page 2 and replace with the attached Bid Schedule, Page 2.

SECTION 01010-SUMMARY OF WORK

Page 01010-2, Article 1.4: Add the following:

- E. Bid Alternate No. 2 is an add alternate. If the Owner accepts Bid Alternate No. 2, the amount stated in the Bid will be added to the Base Bid amount, and the amount stated in the Bid for 6" Loam and Seed (Soccer Field) will be deleted from the Base Bid amount. Under Bid Alternate No. 2, the Contractor shall furnish all labor, equipment and materials and complete all operations required to install 6" Loam and Sod in lieu of 6" Loam and Seed in the soccer field, runout panel and transition panel, as shown on the Drawings, as herein specified and as directed by the Engineer.

SECTION 1200-MEASUREMENT AND PAYMENT

Page 01200-2, Article 3.1.A.4: Delete in its entirety and replace with the following:

4. The lump sum price bid for mobilization shall not exceed 5 percent of the total of all base bid items excluding this item.

Page 01200-7, Article 3.1: Add the following:

K. Item 11, 6" Loam and Sod

1. The unit price under this item shall constitute full compensation for furnishing, placing and maintaining loam and sod as shown on the Drawings, as directed by the Engineer and as herein specified. Item shall include, but is not limited to: preparation of subgrade, base course and surface; screening, testing and amending natural topsoil; loam; placement and spreading of loam; grading; application of fertilizer, superphosphate and limestone; sod; erosion control; maintenance; cleanup; and all work required for turf establishment.
2. Measurement for payment shall be by the square yards of material placed to the nearest square yard from measurements taken on the ground surface covered.
3. No payment will be made until areas are properly fertilized, watered and lime applied and growth occurs.

ADDENDUM No. 1
AD1-2

4. A maximum of 75 percent of the contract price bid under this item shall be paid for upon completion of work and prior to acceptance. The above percentages shall be applied prior to the specified retainage to be withheld.

SECTION 02920-LAWNS AND GRASSES

Page 02920-5, Article 2.1: Add the following:

L. Sod:

1. All sod shall be premium grade well established mown lawn grass containing only the species and variety of turfgrass specified for the Soccer Field lawn. Sod shall be a vigorous, well rooted, healthy turf, free from disease, insect pests, weeds and other grasses, stones and any other harmful or deleterious matter. The sod shall be neatly mowed and be mature enough that when grasped at one end, it can be picked up and handled without damage.
 - a. Every shipment of sod shall be accompanied by an invoice, sales or shipping slip indicating the variety, species and quality grade of the shipment.
2. Sod shall be a mineral backed sod grown in the New England region. Sod shall be large-roll sod machine cut uniformly in 4 foot wide strips and 0.5-inch to 0.75-inch thick with clean, cut edges. Measurement for thickness shall exclude top growth and thatch. Sod shall be of uniform thickness free from scallops, voids or holes. Sod shall be rolled or folded prior to lifting and handling to prevent tearing, breaking, drying and any other damage. Before harvesting the turfgrass shall be mowed uniformly at a height of 1 to 2.5 inches.
3. Upon delivery of sod to the work site, use all means necessary to protect and maintain the sod before, during and after installation. Delivery of sod shall be carefully coordinated so its placement can proceed directly after its arrival. Sod shall be harvested, delivered and installed within 24 hours.

Page 02920-10, Paragraph 3.1.I: Revise to read "Watering for Seeded Areas:"

Page 02920-10, Article 3.1: Add the following:

J. Sod:

1. The season for installing sod shall be Fall (August 15 to October 1). The actual planting of lawns shall be completed only during periods within this season which are normal for such work as determined by weather conditions and by accepted practice in the local area. At the option of the Contractor, installation of sod may be done under unseasonable conditions subject to Owner or Engineer approval as to time of work and methods of operation. Such operations and results shall be the responsibility of the Contractor and shall be completed at no additional cost to the Owner.
2. Installation of sod shall not commence until approval of finished grading or as directed by the Engineer or Owner.
3. Sod shall be installed with a track mounted sod installation machine.

ADDENDUM No. 1
AD1-3

4. The soil on which the sod is laid shall be loam or topsoil as specified.
5. Soil amendments shall be spread and thoroughly incorporated into the layer of topsoil and the upper 2 inches of the underlying subsoil by disking, scarifying, harrowing or other methods approved by the Engineer. Soil amendments to be incorporated shall include those described for seeding operations with type and application rate(s) determined by soils tests.
6. Prior to installation of sod, the soil shall be reasonably moist. Contractor shall apply water if directed by the Engineer.
7. The sod shall be laid smoothly and in a straight line, edge to edge with subsequent rows placed parallel to and tightly against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Care shall be taken to insure that the pieces are not stretched or overlapped and that all joints are butted tightly to prevent voids that would cause air drying of root. Where continuous or solid sodding is required, sod shall be placed with the longest dimension parallel to the contours.
8. On 3:1 or greater slopes, traditional size sod shall be laid across the angle of the slope (perpendicular), with staggered joints and secured by tamping, pegging, stapling or other approved methods of temporarily securing each piece. Large-roll sod shall be laid in the direction of the slope, with temporary securing as required.
9. For installation in swales, traditional size sod shall be laid perpendicular to the direction of flow and pegged to resist washout during the establishment period, while large-roll pieces shall be laid in the direction of the flow, with temporary securing as required.
10. The installation contractor shall water the turfgrass sod immediately after transplanting to prevent excessive drying during progress of the work. The general contractor shall be responsible for having adequate water available at the site prior to and during installation.
11. Immediately after placement, sod shall be pressed firmly into contact with the sod bed by tamping, rolling, or by other approved methods so as to eliminate all air pockets, provide true and even surfaces, insure knitting and protect all exposed sod edges, but without displacement of the sod or deformation of the sod surface. The sodded areas shall be watered evenly to prevent excessive drying during the progress of the work. As sodding is completed in any one section, the entire area shall be lightly rolled and then thoroughly watered to a depth sufficient that the underside of the new sod pad and soil immediately below the pad are thoroughly wet.
12. All disturbed areas outside the limits of sodding shall be seeded.

Page 02920-10, Article 3.1: Add the following:

K. Watering for Sodded Areas:

1. Water as necessary to ensure rooting of sod.
2. The surface layer of the soil must be kept damp by frequent light watering during the germination period and until plants are firmly rooted. During the first week, in the absence of adequate rainfall, watering shall be performed daily or as often as necessary and in sufficient quantities to

ADDENDUM No. 1
AD1-4

maintain moist soil to a depth of at least 4 inches. In subsequent weeks, the Contractor shall water the lawn as required to maintain adequate moisture, in the upper 4 inches of soil, necessary for the promotion of deep root growth. Watering should be done in the heat of the day to prevent wilting.

3. Watering shall be done in a manner which will provide uniform coverage, prevent erosion due to application of excessive quantities over small areas, and prevent damage to finished surface by watering equipment. Avoid runoff on sloping areas.
4. Contractor shall furnish sufficient watering equipment to apply complete coverage to the sodded areas in an 8-hour period.

Page 02920-10, Article 3.2.B: Add the following:

3. For sodded areas, the first mowing shall not be attempted until the sod is firmly rooted and securely in place. Not more than 30 percent of the grass leaf shall be removed by initial or subsequent mowing. Care shall be taken to assure cutting blades are maintained in sharp condition. Turfgrass shall be maintained between 1.5 to 2.5 inches.

QUESTIONS AND ANSWERS

Q. Is the contractor required to submit a SWPP?

A. Yes. Refer to Section 02370.

Q. Is topsoil removed from wetland areas to be disposed of off-site?

A. Refer to General Note 18, Sheet 2.

Q. Are staging and stockpile areas available?

A. Yes. Refer to General Note 11, Sheet 2.

Q. Is the contractor responsible for field maintenance after the field is installed?

A. Yes. Refer to Section 02920.

Q. What type of security fencing is required?

A. Contractor is responsible for maintaining a secure site and employing means necessary to prevent access by the general public. For minimum requirements, refer to General Note 16, Sheet 2.

Q. What is the depth of the unsuitable materials in the wetland area?

A. The depth of unsuitable materials is unknown. Removal of unsuitable materials will be determined in the field.

Q. For Item 1, Mobilization, does the 5% apply to all items in the bid alternates?

A. No; the 5% applies to base bid items only. Refer to this addendum.

Q. Is loam being placed in the mitigation areas? Is the scope of work to install plantings only?

A. Refer to Sheets M1 and M2 for the scope of work proposed for the mitigation areas.

ADDENDUM No. 1 AD1-5

BID SCHEDULE

PLAYGROUND DRIVE SOCCER FIELD

BID ALTERNATE No.1: ACCESS ROAD

ITEM				UNIT PRICE		EXTENDED TOTAL (in figures)
No.	Description	Quantity	Unit	Words	Figures	
3	Common Excavation	1	LS			
4e	12" HDPE Drain	70	LF			
4f	12" End Section	4	EA			
5c	Crushed Gravel	115	CY			
7a	4" Loam and Seed (Common Areas)	800	SY			
9a	2" HBP Binder Course	100	TN			
9b	1" HBP Wearing Course	50	TN			
BID ALTERNATE No. 1-ADD						

BID ALTERNATE No.2: LOAM AND SOD

ITEM				UNIT PRICE		EXTENDED TOTAL (in figures)
No.	Description	Quantity	Unit	Words	Figures	
11	6" Loam and Sod (Soccer Field)	5500	SY			
BID ALTERNATE No. 2-ADD						

Notes:

1. Key To Units: LF = Linear Feet; SY = Square Yards; CY = Cubic Yards; LS = Lump Sum; EA = Each; LB = Pound; TN = Ton; BG = Bags; AL = Allowance
2. Unit prices must be the same on both the Base Bid and Bid Alternate portions of the Bid for the same item.
3. Estimated quantities for Bid Alternate No. 1 are in addition to the quantities estimated in the Base Bid.
4. Estimated quantities for Bid Alternate No. 2 replace quantities estimated in the Base Bid for Item No. 7b.