

## Memorandum

To: Programs, Projects, and Operations Subcommittee

From: Lori Laster, Stormwater Management Engineer

Date: 4/1/2010

Re: Bids for the Chalco Hills Recreation Area Rain Garden Demonstration Project

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On March 10, 2010 and March 17, 2010, an advertisement for the Chalco Hills Recreation Area Rain Garden Demonstration Project appeared in the Omaha World-Herald. Bids were received on March 31, 2010.

The following bids were received:

Company	Bid Price
Lanoha Nurseries, Inc.	\$23,829.00
Boulevard Gardens, LLC	\$27,502.46
Team Green	\$29,981.50

The engineer's estimate for this project was \$31,390. The apparent low and best bid for the project is Lanoha Nurseries, Inc. for \$23,829.00

- **Management recommends that the Subcommittee recommend to the Board of Directors that the General Manager be authorized to execute a contractor agreement with Lanoha Nurseries, Inc. for \$23,829.00.**



Rain Garden

Boulevard Gardens, LLC Lanoha Nurseries, Inc. Team Green

Item Number	Description	Approximate			Boulevard Gardens, LLC			Lanoha Nurseries, Inc.			Total Cost
		Quantity	Units	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost		
1	Strip and Stockpile Topsoil	80	CY	\$35.00	\$2,800.00	\$9.00	\$720.00	\$25.00	\$2,000.00	\$2,000.00	
2	Common Earth Excavation	60	CY	\$35.00	\$2,100.00	\$12.00	\$720.00	\$10.00	\$600.00	\$600.00	
3	Common Earth Excavation (Haul Off)	60	CY	\$14.48	\$868.80	\$11.00	\$660.00	\$40.00	\$2,400.00	\$2,400.00	
4	Construct 6" Drain Pipe (Solid)	105	LF	\$4.89	\$513.45	\$11.00	\$1,155.00	\$5.00	\$525.00	\$525.00	
5	Construct 6" Drain Pipe (Perforated)	30	LF	\$6.08	\$182.40	\$10.00	\$300.00	\$5.00	\$150.00	\$150.00	
6	Construct 6" Wye	2	EA	\$36.50	\$73.00	\$13.00	\$26.00	\$30.00	\$60.00	\$60.00	
7	Construct 6" Bend	3	EA	\$18.00	\$54.00	\$12.00	\$36.00	\$30.00	\$90.00	\$90.00	
8	Construct 6" Pipe Plug	2	EA	\$21.38	\$42.76	\$20.00	\$40.00	\$30.00	\$60.00	\$60.00	
9	Construct End of Pipe Grate Inlet (6")	1	EA	\$36.00	\$36.00	\$77.00	\$77.00	\$120.00	\$120.00	\$120.00	
10	Provide 47B Sand	80	TN	\$13.72	\$1,097.60	\$11.00	\$880.00	\$65.00	\$5,200.00	\$5,200.00	
11	Provide Compost	15	CY	\$23.60	\$354.00	\$15.00	\$225.00	\$45.00	\$675.00	\$675.00	
12	Mix and Place Sand/Compost/Topsoil	80	CY	\$35.00	\$2,800.00	\$30.00	\$2,400.00	\$5.00	\$400.00	\$400.00	
13	Respread Top Soil	80	CY	\$35.00	\$2,800.00	\$8.00	\$640.00	\$20.00	\$1,600.00	\$1,600.00	
14	Provide and Install Plantings	1	LS	\$1,659.00	\$1,659.00	\$1,548.00	\$1,548.00	\$3,200.00	\$3,200.00	\$3,200.00	
15	Provide and Place Cobblestones	4	TN	\$124.25	\$497.00	\$52.00	\$208.00	\$125.00	\$500.00	\$500.00	
16	Provide and Place Hardwood Mulch	15	CY	\$29.99	\$449.85	\$30.00	\$450.00	\$30.00	\$450.00	\$450.00	
17	Construct Short Term Erosion Control Blanket	240	SY	\$2.05	\$492.00	\$1.50	\$360.00	\$2.75	\$660.00	\$660.00	
18	Construct Long Term Erosion Control Blanket	160	SY	\$2.51	\$401.60	\$2.00	\$320.00	\$3.10	\$496.00	\$496.00	
19	Construct Transition Mat	16	SF	\$16.25	\$260.00	\$22.00	\$352.00	\$4.00	\$64.00	\$64.00	
20	Type B Field Seed	0.2	AC	\$48.50	\$9.70	\$3,000.00	\$600.00	\$75.00	\$15.00	\$15.00	
21	Straw Mulch	0.1	AC	\$179.50	\$17.95	\$2,000.00	\$200.00	\$20.00	\$2.00	\$2.00	

Bid Price \$17,509.11 \$11,917.00 \$19,267.00



**Pervious Pavement**

Boulevard Gardens, LLC Lanoha Nurseries, Inc. Team Green

Item Number	Description	Approximate Quantity	Units	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Sawcut Pavement	50	LF	\$1.40	\$70.00	\$8.00	\$400.00	\$2.50	\$125.00
2	Remove Asphalt Pavement	470	SF	\$0.38	\$178.60	\$1.00	\$470.00	\$0.75	\$352.50
3	Common Earth Excavation (Haul-Off)	16	CY	\$13.13	\$210.08	\$10.00	\$160.00	\$12.00	\$192.00
4	Construct 6" Drain Pipe (Perforated)	30	LF	\$7.55	\$226.50	\$12.00	\$360.00	\$5.00	\$150.00
5	Construct Vertical Curb	92	LF	\$15.20	\$1,398.40	\$30.00	\$2,760.00	\$10.00	\$920.00
6	Provide and Place Geogrid	55	SY	\$24.99	\$1,374.45	\$8.00	\$440.00	\$1.00	\$55.00
7	Provide and Place NDOR Class E Coarse Aggregate	20	TN	\$38.80	\$776.00	\$37.00	\$740.00	\$65.00	\$1,300.00
8	Provide and Place 5/8" Limestone Chips	7	TN	\$55.36	\$387.52	\$50.00	\$350.00	\$65.00	\$455.00
9	Provide and Place Bedding and Filler Sand	5	TN	\$19.60	\$98.00	\$50.00	\$250.00	\$65.00	\$325.00
10	Provide and Place Pervious Pavers	470	SF	\$8.54	\$4,013.80	\$10.60	\$4,982.00	\$12.00	\$5,640.00

**Bid Price** 8733.35 **\$10,912.00**

**Maintenance**

Item Number	Description	Approximate Quantity	Units	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	Maintenance for Plant Establishment	1	LS	\$210.00	\$1,260.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00

**Bid Price** \$1,260.00 **\$1,000.00**

**Total Bid** \$27,502.46 **\$23,829.00**

**Total Bid** \$29,981.50 **\$29,981.50**





PERVIOUS PAVERS SITE PLAN

NOTES AND DETAILS

Lamp, Tymerson & Associates, Inc.  
 1470 West Dodge Road, Suite 100  
 Omaha, Nebraska 68154-2077  
 (PH) 402.956.2798  
 WWW.LTA-INC.COM

STORM WATER BMP DEMONSTRATION PROJECT  
 SARPY COUNTY, NEBRASKA

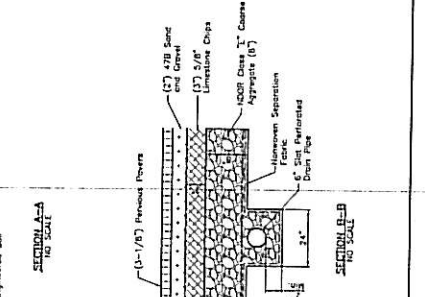
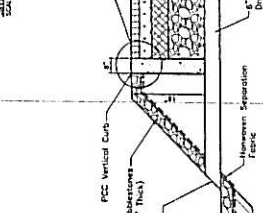
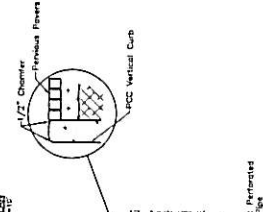
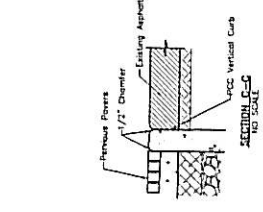
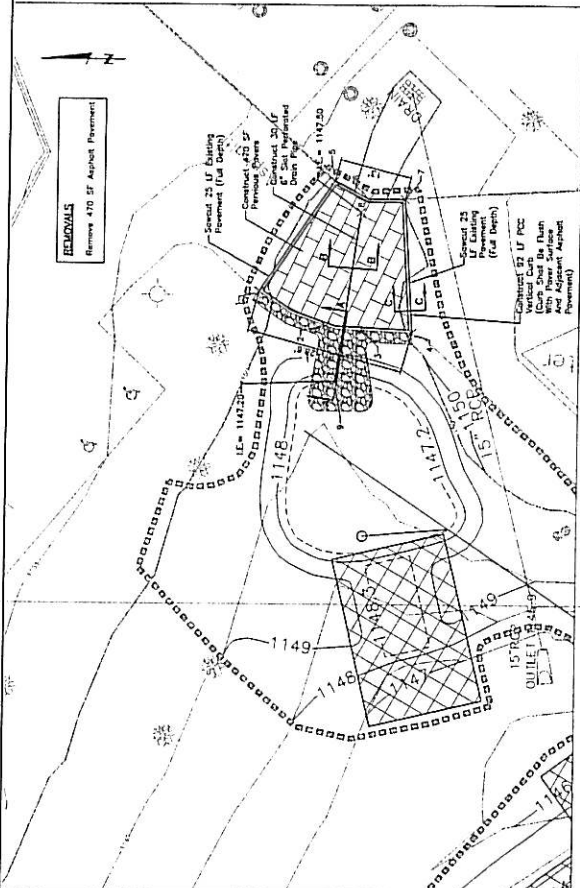


DATE: June 8, 2007  
 SHEET: 3 OF 3  
 DRAWING: 100 PERVIOUS PAVERS  
 PROJECT: STORM WATER BMP DEMONSTRATION PROJECT  
 CLIENT: SARPY COUNTY, NEBRASKA

PERVIOUS PAVERS NOTES

1. Structure shall be full depth cuts.
  2. Asphalt pavement shall be removed and disposed of. Asphalt pavement shall be replaced with "Remove Asphalt Pavement".
  3. Subgrade shall be prepared such that any voids or irregularities shall be determined by the DITCHER on concrete 1 inch and replace with 100# Class "C" and Place Class "C" Course Aggregate. Payment for subgrade shall be included in the bid. Subgrade shall be prepared to meet the minimum and maximum depth shall be 1 inch, prior to laying separation fabric and gravel. Drain pipe shall be schedule 40 HPIE or Double wall PVC 1 inch, prior to laying separation fabric and gravel. All work shall be performed in accordance with the (RUBS).
  4. Concrete for PCC shall be prepared in accordance with minimum 28 day compressive strength of 3000 PSI. Concrete shall meet the Requirements of Section 03200 "Cast-in-Place Concrete" and Department of Public Construction, 1997 Edition, For Class "C" Aggregate. Limestone Chips shall meet the Dimension Specified Below.
- | Screen Size | Percentage |
|-------------|------------|
| 100         | 100        |
| 3/4"        | 65         |
| 1/2"        | 70         |
| 3/8"        | 75         |
| No. 10      | 80         |
| No. 20      | 85         |
| No. 30      | 90         |
5. 430 steel and 1/2" steel shall be used in fabric for the pavers and on fair between the pavers. The fair shall be in place using a vibratory plate. The fair shall be 1/2" thick and shall be 1/2" wide. Excess joint material shall be swept and removed.
  6. The CONTRACTOR shall make adjustments in joints such that the top of paver is flush with the adjacent existing pavement surface. The joint shall be prepared in the adjacent existing pavement edge and center. All of adjustment shall be removed and swept or replaced with fair between pavers to the center.
  7. Final paver surface shall be uniform, true to grade and free of movement.
  8. Pervious pavers shall be "Flexcrete Eco-Flow" or approved equivalent.
  9. The color of pervious pavers shall be determined by the owner.
  10. Initial pavers with joints approximately 1/4".
  11. Where required, cut pavers to fit accurately, neatly and without damaged edges.

Point #	Marking	Existing Elev.	Proposed Elev.	Description
1	310784.4842	268053.2151	1150.10	(Match Existing Pavement)
2	310774.7156	268053.8923	1148.60	(Match Existing Pavement)
3	310786.1542	268053.1776	1148.60	(Match Existing Pavement)
4	310759.6180	268054.7820	1150.10	(Match Existing Pavement)
5	310773.4189	268057.1423	1150.00	(Match Existing Pavement)
6	310767.4500	268058.2480	1149.80	(Match Existing Pavement)
7	310761.1145	268058.2423	1150.00	(Match Existing Pavement)
8	310762.7237	268053.9235	1147.20	(Match Existing Pavement)
9	310773.8914	268056.2442	1147.20	(Match Existing Pavement)



REMOVE 470 SF ASPHALT PAVEMENT

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

Supplementary Conditions  
Updated March 19, 2010

In addition to the specifications provided on the plan sheets, the following conditions are to be met and included in the bid:

- Note: On Plan Sheet 2 of 3 in the Landscape Schedule, Echinacea pallida shall be replaced with Echinacea purpurea.
- Any plant substitutions must be pre-approved by the District.
- Maintenance should be included for plant establishment.
- All plants used in the Rain Garden shall have a two (2) year warranty. Any plants that are not alive at any point within the first 2 years after completion of the project shall be replaced at Contractor's sole expense.
- The successful bidder shall be required to submit performance bonds, with at least one corporate surety authorized to do business in the State of Nebraska, having a penalty amount equal to the amount of the contract and conditioned upon faithful performance of such contract and upon payment of labor and material furnished in connection therewith.
- The successful bidder shall maintain the following types and minimum limits of insurance during the term of the contract:
  - Commercial General Liability - \$1,000,000 – naming the District as an additional insured
  - Worker's Compensation – Statutory Limits
  - Commercial Auto Liability - \$1,000,000
- The Pervious Pavement portion of the project shall be completed within two (2) weeks from the start of this part of the project in order to minimize the length of time access will be limited to the employee parking area and garage to the south of the project area. The Contractor shall provide one (1) week's notice before proceeding with this portion of the project.

I have read and accept these Supplemental Conditions.

\_\_\_\_\_  
Name/Company

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date