



CITY COUNCIL AGENDA ITEM

August 31, 2015

TO: Brian Kischnick, City Manager

FROM: Tom Darling, Financial Services Director
Mark F. Miller, Director of Economic and Community Development
Steven J. Vandette, City Engineer

SUBJECT: Standard Purchasing Resolution #1: Award to Low Bidder and Budget Amendment
Contract 15-1 – Sylvan Glen Phase 2

History

On December 15, 2014, the US Environmental Protection Agency (EPA) awarded the City of Troy a \$375,000 grant for partial funding of the Sylvan Glen Stream Bank Stabilization Phase 2 project. City Council Resolution # 2014-11-150 approved the grant application and directed staff to work with the EPA in developing the project and moving to the construction phase in 2015.

Phase 2 work is similar in nature to the work completed in Phase 1. The objective of the project is to continue restoring the stream through the Sylvan Glen golf course by correcting erosion along the stream banks, removing and replacing failed culverts and a bridge, and addressing maintenance areas in Phase 1. The attached map delineates the work areas for Phase 2 which will encompass work starting at Location #1 and ending at Location #4.

Coordination with the golf course is required and work is anticipated to start in early October. The project is to be substantially complete by April 30, 2016 with final restoration by May 27, 2016.

Purchasing

Bids were received and publicly read on August 11, 2015. Of the seven (7) contractors who attended the mandatory pre-bid meeting, two (2) contractors submitted bids. The low bid of \$1,414,679.75 was submitted by Inland Lakes Landscaping Corporation.

The project budget, at the time of bidding, was \$850,000 so a reduced scope was developed. The work area was reduced downstream from the existing access drive culvert to Rochester Road. This area (Location #4-#5), which is outside of normal golf course operations, is very expensive from a cost per foot basis and can be done at a later time when additional grant funds become available. For these reasons, the scope of the project was reduced but the project will still meet all grant obligations and requirements while reducing the project cost by \$433,435.33. The low bid for the reduced scope option is \$981,244.42.

Financial

Staff contacted the EPA to discuss additional funding due to the higher bid prices received. The EPA has responded that they recognize the current bidding climate is unlike any other and acknowledged that additional funding would be made available in the amount of \$125,000. The total EPA grant funding would be increased to \$500,000 or approximately 44% of the total project cost.

Funds for the City's original share of the project (\$475,000) were included in the 2015-16 budget. The total cost of the project including funds for engineering, construction, inspection and contingencies is estimated at \$1,140,000, with a City share of \$640,000.

The 2016 Drains Fund will require a budget amendment of \$165,000 to complete the project.

Recommendation

It is recommended that City Council award the Sylvan Glen Phase 2 contract to Inland Lakes Landscaping Corporation, 560 S. Telegraph, Pontiac, MI 48341, for their low, reduced scope, bid of \$981,244.42. In addition, we are requesting authorization to approve additional work, if needed, not to exceed 10% of the original project cost due to unknown quantities of repair work that may be needed.

Award is contingent on receipt of additional grant funding in the amount of \$125,000 from the EPA.

WJH/ G:\Contracts\Contracts - 2015\15-1 - Sylvan Glen Phase II\14.304.6 - Sylvan Glen Phase 2\Correspondence\Bid Award_r2.doc





PRINCIPALS

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August 31, 2015

City of Troy
500 W. Big Beaver Road
Troy, Michigan 48084

Attn: Mr. Steve Vandette, City Engineer

Re: Bid Tabulation and Recommendation for Award HRC Job No. 20140582
Sylvan Glen Phase II – EPA Habitat Grant

Dear Mr. Vandette:

Pursuant to your request, Hubbell, Roth & Clark, Inc. (HRC) has reviewed the bid received at your office on August 11, 2015 for the subject project. Of the seven (7) contractors who attend the mandatory pre-bid meeting, two (2) contractors submitted bids ranging from a high bid of \$1,730,367.00 down to a low bid of \$1,414,679.75.

The low bidder, Inland Lakes Landscaping Corporation, with offices at 560 S. Telegraph Road, Pontiac, Michigan 48341 submitted a complete and responsive bid including all requisite bid items and has previously submitted and successfully completed similar jobs for our municipal clients in surrounding communities.

The bid is reflective of the Michigan economy and availability of projects in this area. In order to meet the construction budgets for the City of Troy and Environmental Protection Agency grant, the scope of work was reduced downstream by 575 feet, or \$433,435.33. The reduced project scope will still meet all grants obligations and requirements.

On the basis of the above, HRC recommends award to Inland Lakes Landscaping Corporation of the reduced scope project in the amount of \$981,244.42 subject to the necessary financial arrangements, insurance certifications, and submittal of all contract documents and bonds. We have attached one (1) copy of the reduced scope Bid Tabulation for your use.

If you have any questions or require any additional information, please contact the undersigned.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.

James F. Burton
Vice President

MC/mc

Attachment; Bid Tabulation – As Read, Bid Tabulation – Reduced Scope
pc: City of Troy' Bill Huotari
HRC; W. Alix, M. Coatta, File

| | |
|---|----------------------------------|
| | <u>Point 1 to Point 4</u> |
| Reduced Scope Bid | \$981,244.42 |
| Contingency (10%) | <u>\$98,755.58</u> |
| TOTAL Estimated Construction | \$1,080,000.00 |
| Construction Engineering Cost (includes Post Monitoring) | \$60,000.00 |
| Total Estimated Project Costs | \$1,140,000.00 |
| Less EPA Original Grant Amount | -\$375,000.00 |
| Less EPA Additional Grant Amount | -\$125,000.00 |
| Total Amount - Troy Construction Budget | \$640,000.00 |
| Less Original Troy Budget Amount | -\$475,000.00 |
| Total Amount - Troy Budget Amendment | \$165,000.00 |

BID TABULATION - **REDUCED SCOPE**
 SYLVAN GLEN PHASE II
 CITY OF TROY
 OAKLAND COUNTY, MICHIGAN

Bids Due: 8/11/15
 HRC Job # 20140582

Inland Lakes Landscaping Corp.
 560 S. Telegraph
 Pontiac, MI 48341
 (248) 338-8088

V.I.L. Construction, Inc.
 6670 Sims Drive
 Sterling Heights, MI 48313
 (586) 979-6020

BASE BID

| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost |
|--|----------|-------|-------------|--------------|-------------|--------------|
| 1. Mobilization (5% max.) | 0.8307 | lsum | \$34,404.00 | \$28,579.40 | \$75,000.00 | \$62,302.50 |
| 2. Audio-Video Route Survey | 1 | lsum | \$2,200.00 | \$2,200.00 | \$2,500.00 | \$2,500.00 |
| 3. Project Signage Maintaining Traffic (includes Haul Route | 1 | lsum | \$800.00 | \$800.00 | \$1,750.00 | \$1,750.00 |
| 4. Preparation and Restoration, and Temp Stream Crossing | 1 | lsum | \$14,000.00 | \$14,000.00 | \$75,000.00 | \$75,000.00 |
| 5. Prevent Spreading of Invasive Species Control Measures | 1 | lsum | \$1,500.00 | \$1,500.00 | \$15,000.00 | \$15,000.00 |
| 6. Prefabricated Portable Sanitary Facility | 1 | lsum | \$1,000.00 | \$1,000.00 | \$2,500.00 | \$2,500.00 |
| 7. Construction Fence | 1,987 | ft | \$5.00 | \$9,935.00 | \$8.00 | \$15,896.00 |
| 8. Remove Tree, over 6 inch to 18 inch | 1 | ea | \$500.00 | \$500.00 | \$350.00 | \$350.00 |
| 9. Remove Tree, 19 inch to 36 inch | 2 | ea | \$1,800.00 | \$3,600.00 | \$1,100.00 | \$2,200.00 |
| 10. Remove Tree, 37 inch or larger | 3 | ea | \$3,500.00 | \$10,500.00 | \$1,650.00 | \$4,950.00 |
| 11. Clearing & Grubbing and Tree Removal | 1.28 | acres | \$40,000.00 | \$51,200.00 | \$22,000.00 | \$28,160.00 |
| 12. Earth Excavation and Embankment | 11,270 | cyd | \$19.00 | \$214,130.00 | \$15.00 | \$169,050.00 |
| 13. Remove Pavement | 1,416 | syd | \$12.00 | \$16,992.00 | \$6.00 | \$8,496.00 |
| 14. Remove Existing Culvert | 1 | ea | \$7,750.00 | \$7,750.00 | \$6,500.00 | \$6,500.00 |
| 15. Remove Existing Pipe | 220 | ft | \$10.00 | \$2,200.00 | \$20.00 | \$4,400.00 |
| 16. Remove Existing End Section | 1 | ea | \$1,575.00 | \$1,575.00 | \$250.00 | \$250.00 |
| 17. Remove Existing Bridge | 1 | ea | \$2,000.00 | \$2,000.00 | \$12,500.00 | \$12,500.00 |
| 18. Remove Existing Abutment | 2 | ea | \$2,500.00 | \$5,000.00 | \$2,500.00 | \$5,000.00 |
| 19. Remove Fence, incl. Post, Post Foundations & Gates | 287 | lft | \$6.50 | \$1,865.50 | \$8.00 | \$2,296.00 |
| 20. Remove Curb and Gutter | 140 | lft | \$18.00 | \$2,520.00 | \$6.00 | \$840.00 |
| 21. Remove Existing Pavement Markings | 1 | lsum | \$400.00 | \$400.00 | \$1,000.00 | \$1,000.00 |
| 22. Dr Structure, 24 inch Dia | 7 | ea | \$4,500.00 | \$31,500.00 | \$1,250.00 | \$8,750.00 |
| 23. HDPE Pipe, 8 inch | 227 | ft | \$19.75 | \$4,483.25 | \$30.00 | \$6,810.00 |
| 24. End Section, 12" | 2 | ea | \$750.00 | \$1,500.00 | \$150.00 | \$300.00 |
| 25. End Section, 18" | 1 | ea | \$900.00 | \$900.00 | \$200.00 | \$200.00 |
| 26. 21AA Limestone Aggregate | 150 | tons | \$45.00 | \$6,750.00 | \$35.00 | \$5,250.00 |
| 27. HMA, 13A | 70 | tons | \$200.00 | \$14,000.00 | \$200.00 | \$14,000.00 |
| 28. Ledge Rock Retaining Wall | 1,450 | sft | \$54.00 | \$78,300.00 | \$95.00 | \$137,750.00 |
| 29. Handhole | 2 | ea | \$1,500.00 | \$3,000.00 | \$1,250.00 | \$2,500.00 |
| 30. HDPE Conduit, 4 inch | 220 | ft | \$12.00 | \$2,640.00 | \$20.00 | \$4,400.00 |
| 31. Remove and Replace Stump | 5 | ea | \$750.00 | \$3,750.00 | \$500.00 | \$2,500.00 |
| 32. Reset Storm Sewer | 6 | ea | \$2,500.00 | \$15,000.00 | \$500.00 | \$3,000.00 |
| 33. Reset End Section | 2 | ea | \$800.00 | \$1,600.00 | \$250.00 | \$500.00 |
| 34. Bank Wrap (C 250) | 195 | lft | \$22.00 | \$4,290.00 | \$175.00 | \$34,125.00 |
| 35. Bank Wrap (C 350) | 300 | lft | \$24.00 | \$7,200.00 | \$200.00 | \$60,000.00 |
| 36. Vegetated Reinforced Soil Slope (VRSS) | 230 | lft | \$123.50 | \$28,405.00 | \$225.00 | \$51,750.00 |
| 37. Log Vane | 8 | ea | \$3,595.00 | \$28,760.00 | \$3,750.00 | \$30,000.00 |

BID TABULATION - **REDUCED SCOPE**
 SYLVAN GLEN PHASE II
 CITY OF TROY
 OAKLAND COUNTY, MICHIGAN

Bids Due: 8/11/15
 HRC Job # 20140582

Inland Lakes Landscaping Corp.
 560 S. Telegraph
 Pontiac, MI 48341
 (248) 338-8088

V.I.L. Construction, Inc.
 6670 Sims Drive
 Sterling Heights, MI 48313
 (586) 979-6020

BASE BID

| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost |
|--|----------|-------|-------------|---------------------|-------------|-----------------------|
| 38. Toe Wood Structure | 315 | lft | \$120.00 | \$37,800.00 | \$240.00 | \$75,600.00 |
| 39. Rock W-Weir Vane | 0 | ea | \$18,060.00 | \$0.00 | \$37,500.00 | \$0.00 |
| 40. Turf Reinforcement Mat (C 250) | 430 | syd | \$5.00 | \$2,150.00 | \$15.00 | \$6,450.00 |
| 41. Erosion Control Blanket (C 125) | 122 | syd | \$3.00 | \$366.00 | \$10.00 | \$1,220.00 |
| 42. 4"-6" Field Stone | 24 | cyd | \$135.00 | \$3,240.00 | \$150.00 | \$3,600.00 |
| 43. 6A Natural Round Gravel | 20 | tons | \$100.00 | \$2,000.00 | \$50.00 | \$1,000.00 |
| 44. 4"-10" Field Stone | 30 | tons | \$135.00 | \$4,050.00 | \$160.00 | \$4,800.00 |
| 45. 12"-18" Field Stone | 25 | tons | \$165.00 | \$4,125.00 | \$180.00 | \$4,500.00 |
| 46. 60/40 Sharp Sand and Gravel Mix | 5 | tons | \$85.00 | \$425.00 | \$50.00 | \$250.00 |
| 47. Step Pool Structure, Less Than 50 feet | 0 | ea | \$3,300.00 | \$0.00 | \$12,500.00 | \$0.00 |
| 48. Step Pool Structure, Greater Than 50 feet | 0 | ea | \$6,370.00 | \$0.00 | \$22,500.00 | \$0.00 |
| 49. Rip Rap Channel Structure | 1 | ea | \$2,550.00 | \$2,550.00 | \$17,500.00 | \$17,500.00 |
| 50. Turf Restoration w/4" Topsoil, Fertilizer & Mulch Blanket – North American Green C-125 | 2.25 | acres | \$20,700.00 | \$46,575.00 | \$13,500.00 | \$30,375.00 |
| 51. Seed Mix "A" – Streambank Edge | 0.65 | acres | \$18,595.83 | \$12,087.29 | \$9,000.00 | \$5,850.00 |
| 52. Seed Mix "B" – Floodplain Mix | 1.15 | acres | \$16,683.96 | \$19,186.55 | \$6,000.00 | \$6,900.00 |
| 53. Seed Mix "C" – Slope Mix | 0.15 | acres | \$47,142.86 | \$7,071.43 | \$10,000.00 | \$1,500.00 |
| 54. Seed Mix "D" – Fairway Mix | 0.30 | acres | \$21,666.66 | \$6,500.00 | \$8,000.00 | \$2,400.00 |
| 55. 4" Deep Compost Amendment | 448 | cyd | \$45.00 | \$20,160.00 | \$22.00 | \$9,856.00 |
| 56. Live Stake Shurbs 3 ft to 4 ft | 5,060 | ea | \$4.30 | \$21,758.00 | \$8.00 | \$40,480.00 |
| 57. Trees, 1" Cal. B&B Cont. or BR | 450 | ea | \$175.00 | \$78,750.00 | \$225.00 | \$101,250.00 |
| 58. Inlet Filter | 4 | ea | \$200.00 | \$800.00 | \$150.00 | \$600.00 |
| 59. In-Stream Sediment Trap | 2 | ea | \$800.00 | \$1,600.00 | \$1,500.00 | \$3,000.00 |
| 60. MDOT Silt Fence | 365 | ft | \$2.00 | \$730.00 | \$4.00 | \$1,460.00 |
| 61. Temporary Gravel Access Drive | 3 | ea | \$1,500.00 | \$4,500.00 | \$2,000.00 | \$6,000.00 |
| 62. Golf Course Maintenance Allowance | 1 | lsum | \$10,000.00 | \$10,000.00 | \$10,000.00 | \$10,000.00 |
| 63. Pavement Markings | 1 | lsum | \$500.00 | \$500.00 | \$2,000.00 | \$2,000.00 |
| 64. Staging Area Prep and Restoration | 1 | lsum | \$5,000.00 | \$5,000.00 | \$20,000.00 | \$20,000.00 |
| 65. Inspection Crew Day | \$625 | Cday | 90 days | \$56,250.00 | 64 days | \$40,000.00 |
| 66. Storm Sewer CI IV, 12" | 25 | ft | \$50.00 | \$1,250.00 | \$50.00 | \$1,250.00 |
| 67. Riffle Structures | 1 | ea | \$7,235.00 | \$7,235.00 | \$20,000.00 | \$20,000.00 |
| 68. Rock Cutoff Sill | 3 | ea | \$4,420.00 | \$13,260.00 | \$6,000.00 | \$18,000.00 |
| 69. Screened Topsoil | 40 | cyd | \$25.00 | \$1,000.00 | \$30.00 | \$1,200.00 |
| TOTAL AMOUNT OF BASE BID | | | | \$981,244.42 | | \$1,219,816.50 |

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 CITY OF TROY
 OAKLAND COUNTY, MICHIGAN

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 HRC Job # 20140582

Inland Lakes Landscaping Corp.
 560 S. Telegraph
 Pontiac, MI 48341
 (248) 338-8088

V.I.L. Construction, Inc.
 6670 Sims Drive
 Sterling Heights, MI 48313
 (586) 979-6020

BASE BID

| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost |
|---|----------|------|------------|--------------------|------------|--------------------|
| INSTALLATION OF CONCRETE CURB AND GUTTER AND FENCE ALONG THE NEW EDGE OF THE PARKING LOT (ALTERNATE #1*) | | | | | | |
| Item | Quantity | Unit | Unit Price | Total Cost | Unit Price | Total Cost |
| 1. Concrete Curb and Gutter, Match Existing | 632 | lft | \$35.40 | \$22,372.80 | \$30.00 | \$18,960.00 |
| 2. 6' Chain Link Fence, Match Existing | 655 | lft | \$15.20 | \$9,956.00 | \$25.00 | \$16,375.00 |
| 3. Post, Match Existing | 131 | ea | \$35.40 | \$4,637.40 | \$10.00 | \$1,310.00 |
| TOTAL AMOUNT OF ALTERNATE #1 | | | | \$36,966.20 | | \$36,645.00 |

ENGINEER:
 Hubbell, Roth & Clark, Inc.
 555 Hulet Drive
 P.O. Box 824
 Bloomfield Hills, MI 48302

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**

Photos:



Photo 1 – Project Area A: Gibson-Renshaw



Photo 2 – Project Area A: Gibson-Renshaw

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 3 – Project Area A: Gibson-Renshaw



Photo 4 – Project Area A: Gibson-Renshaw

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 4 – Project Area B: West Gibson – Near Existing Culvert



Photo 2 – Project Area B: West Gibson – At Culvert

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 3 – Project Area B: West Gibson – Near Parking Lot



Photo 4 – Project Area B: West Gibson – Near Parking Lot

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 1 – Project Area C: West Gibson (18th Fairway), Looking Downstream

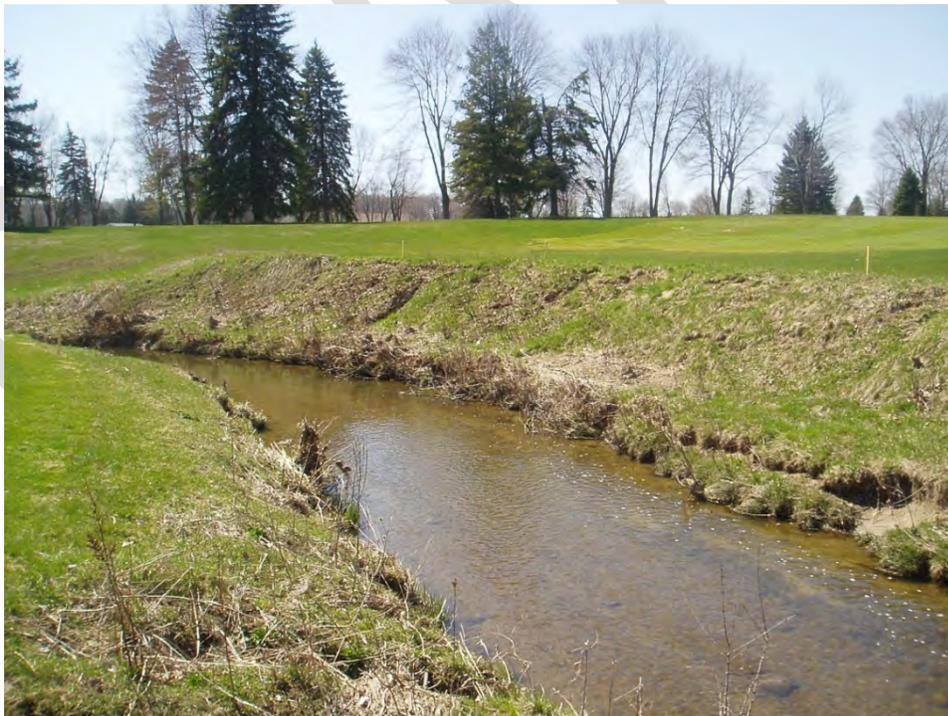


Photo 2 – Project Area C: West Gibson (18th Fairway), Looking Downstream

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**

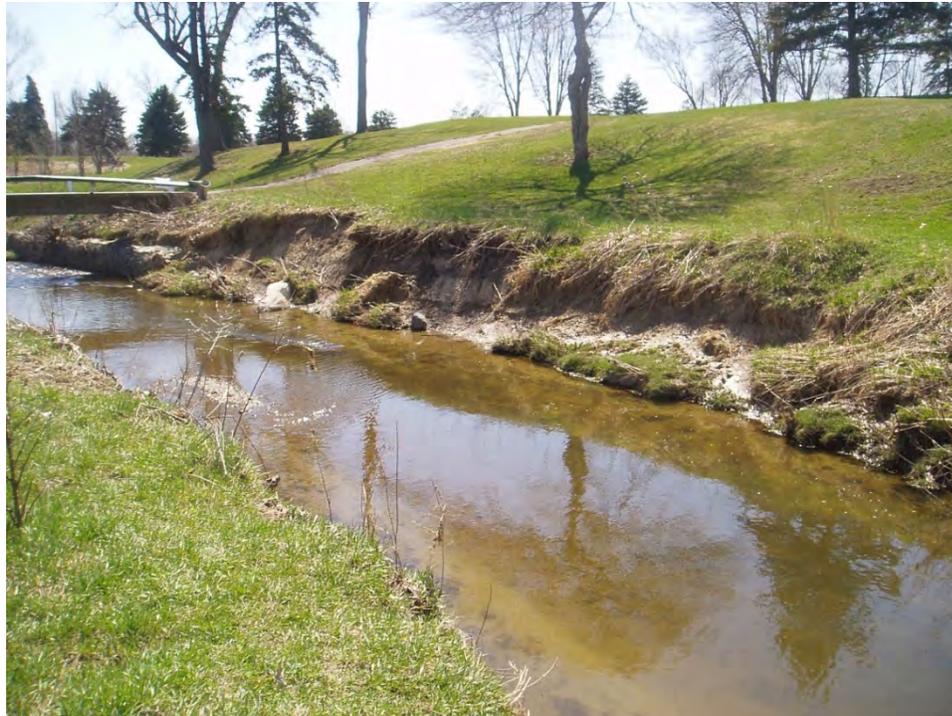


Photo 3 – Project Area C: West Gibson (18th Fairway), Right Bank



Photo 4 – Project Area D: West Gibson (9th Fairway), Looking Upstream

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 5 – Project Area D: West Gibson (9th Fairway), Right Bank



Photo 6 – Project Area D: West Gibson (9th Fairway), Looking Upstream

**EPA Great Lakes Restoration Initiative Request for Applications
Funding Opportunity Number: EPA-R5-GL2014-2
Watershed Management Implementation**



Photo 7 – Project Area D: West Gibson (9th Fairway), Right Bank



Photo 8 – Project Area D: West Gibson (9th Fairway), Right Bank