

**CASCADE CHARTER TOWNSHIP
CITIZENS PFAS COMMITTEE MEETING**

April 14, 2022 at 4:00pm
Cascade Library – Wisner Center
2870 Jacksmith Dr. SE
Grand Rapids, MI 49546

- ARTICLE 1.** Call the Meeting to Order
- ARTICLE 2.** Approval of the Agenda
- ARTICLE 3.** Acknowledge Visitors & Public Comment
- ARTICLE 4.** Update on Public Water Extension Project
- ARTICLE 6.** Update on Ground Water Use Ordinance
- ARTICLE 7.** Roundtable / Q&A
- ARTICLE 8.** Public Comment
- ARTICLE 9.** Adjournment



CITY OF GRAND RAPIDS AGENDA ACTION REQUEST

DATE: April 12, 2022

TO: Mark Washington, City Manager

COMMITTEE: Community Development Committee

LIAISON: Mary Kate Berens, Deputy City Manager

FROM: Tim Burkman, City Engineer
Engineering Department

SUBJECT: Resolution awarding a contract with Kamminga & Roodvoets, Inc. for Burger Goodwood Neighborhood Phase 1 water main in the amount of \$3,941,140 with total amount not-to-exceed \$4,800,000

This project consists of 12,500 feet of 6-inch, 8-inch, and 12-inch water main installation, 172 water services from the new water main to the right of way, minor storm sewer work and associated restoration over the water main trench in Cascade Charter Township. A separate project will be bid later this spring to install water services from the curb box into the properties served by wells. Together these projects will address PFAS contamination detected in the residential wells in the Phase 1 area of the Burger Goodwood neighborhood by providing connections to the City's public water main.

Bids were received on March 24, 2022, for this project. The engineer's estimate, prepared by Prein & Newhof, Inc. (P&N), is \$3,508,695.00 and Kamminga & Roodvoets, Inc. (K&R) submitted a bid of \$3,941,140.00 (low discounted bid is \$3,901,728.60). K&R will be utilizing 1.78% Micro Local Business Enterprise participation and will be subcontracting an amount of \$348,274. Reference the attached Equal Business Opportunity – Construction Worksheet regarding the applicable bid discounts for this project.

The attached resolution provides for the award of the construction contract for this project to K&R in the amount of \$3,941,140 with total expenditures not to exceed \$4,800,000. This amount includes the costs of the construction contract, previously authorized design phase services by P&N, construction phase services including inspection by P&N, administration, and an approximate eight percent allowance for contingencies. P&N will provide the construction phase services including inspection pursuant to their existing term contract with the City.

This project is being financed by the Water System Fund through a \$5,000,000 Michigan Department of Environment, Great Lakes, and Energy Consolidation and Contamination Risk Reduction (C2R2) grant the City accepted on June 15, 2021 (Proceeding No. 90891). Grant funds that remain will be used to fund the upcoming project, which will construct a portion of the private side water service from the curb stop box to inside the

property. A budget request in the Water System Fund is necessary to finance a portion of this project and will be presented to the Fiscal Committee for consideration and approval at a future meeting.

cc: Patti Caudill
Kim Dixon
Wayne Jernberg
Ben Swayze, Cascade Charter Township

Reviewed by O.E.E.

#21044

SUMMARY OF ESTIMATED COSTS

for

Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main – Phase 1)

Project Funding Source(s)

| | <u>Currently Approved</u> | <u>Budget Request(s)</u> | <u>Revised Project Estimate</u> |
|----------------------------------|-------------------------------|------------------------------|---|
| Water System Fund (C2R2 Grant) * | \$0 | \$4,800,000 | \$4,800,000 |
| Total Project Sources | \$0 | \$4,800,000 | \$4,800,000 |

*Costs not eligible under the Grant will be charged to the Water System Fund.

Breakdown of Project Uses

| | |
|---|--------------------|
| Construction Contract | \$3,941,140 |
| Previously Authorized Design Phase Services by P&N | 178,468 |
| Construction Phase Services Including Inspection by P&N | 258,800 |
| Administration | 66,042 |
| Sub-Total | \$4,444,450 |
| Contingencies (8%) | 355,550 |
| Total Project Uses | \$4,800,000 |

YOUR COMMUNITY DEVELOPMENT COMMITTEE recommends adoption of the following resolution awarding a contract to Kamminga & Roodvoets, Inc. and authorizing expenditures in connection with Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main – Phase 1).

WHEREAS:

1. On June 15, 2021 (Proceeding No. 90891), the City accepted a Michigan Department of Environment, Great Lakes, and Energy Consolidation and Contamination Risk Reduction (C2R2) grant.

2. Bids were received on March 24, 2022 for the following project:

Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main – Phase 1).
(hereinafter referred to as the “Project”)

and Kamminga & Roodvoets, Inc. (K&R) submitted a bid of \$3,941,140 for which the engineer’s estimate, prepared by Prein & Newhof, Inc. (P&N), is \$3,508,695; therefore

RESOLVED:

1. That the bid of K&R be accepted and that, upon approval as to form by the City Attorney, the Mayor and City Clerk be authorized to execute the contract documents for the Project on behalf of the City.

2. That total expenditures for the Project be authorized in an amount not to exceed \$4,800,000 which includes the costs of the construction contract, previously authorized design phase services by P&N, construction phase services including inspection by P&N, administration, and contingencies. Said amount of \$4,800,000 to be charged to the applicable codes currently defined as follows: \$4,800,000 to Code No. 5912-536-9000-9880-591222036G and 5911-536-9000-9880-591122036, as applicable.

3. That the City Comptroller is hereby authorized and directed to make payment, in amounts and to said payees, as the City Engineer or his designee requests in connection with the Project.

Prepared by Jeffrey McCaul

CORRECT IN FORM

DEPARTMENT OF LAW

Bids Received: 3/24/2022 at the City Engineer's Office
 11:00 AM
 at the City Engineer's Office
 FOSTEIN ENTERPRISES LLC
 d/b/a GEORGETOWN
 CONSTRUCTION CO.

Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscan Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main - Phase 1)

ENGINEER'S ESTIMATE

Allowable Discount Points
 Allowable Discount Amount
 DISCOUNTED BID

Original Bid Amount (TOTAL)

File No. 21044

KAMMINGA & ROODVOETS INC

DIVERSCO CONSTRUCTION CO INC

Unit Price

Quantity

Unit

Item Description

Unit Price

Total

Unit Price

Total

Unit Price

Total

Unit Price

Total

Unit Price

Total

Unit Price

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Unit Price

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| Water Main in Burger Drive, Tangletwood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main - Phase 1) | | ENGINEER'S ESTIMATE | | KAMMINGA & ROODVOETS INC | | PONSTEIN ENTERPRISES LLC dba GEORGETOWN CONSTRUCTION CO. | | DIVERSCO CONSTRUCTION CO INC | | |
|---|---|----------------------------|---------------------------|--------------------------|---------------|--|---------------|------------------------------|---------------|---------------|
| File No. 21044 | Original Bid Amount (TOTAL) | \$ 3,508,595.00 | | \$ 3,941,140.00 | | \$ 4,037,330.00 | | \$ 4,403,761.50 | | |
| | | Allowable Discount Points | Allowable Discount Amount | | | | | | | |
| | | DISCOUNTED BID | | | | | | | | |
| | | 1 | | 2 | | 3 | | | | |
| | | Discounted Bid Ranking No. | | | | | | | | |
| 48 | Tea, 12 inch x 12 inch x 6 inch | 7 | \$ 1,200.00 | \$ 8,400.00 | \$ 1,450.00 | \$ 10,150.00 | \$ 2,500.00 | \$ 17,500.00 | \$ 2,002.00 | \$ 14,014.00 |
| 49 | Tea, 8 inch x 8 inch x 8 inch | 3 | \$ 750.00 | \$ 2,250.00 | \$ 1,000.00 | \$ 3,000.00 | \$ 2,000.00 | \$ 6,000.00 | \$ 1,468.00 | \$ 4,374.00 |
| 50 | Tea, 8 inch x 8 inch x 6 inch | 21 | \$ 700.00 | \$ 14,700.00 | \$ 1,050.00 | \$ 22,050.00 | \$ 1,500.00 | \$ 31,500.00 | \$ 1,385.00 | \$ 29,085.00 |
| 51 | Tea, 6 inch x 6 inch x 6 inch | 7 | \$ 600.00 | \$ 4,200.00 | \$ 950.00 | \$ 6,650.00 | \$ 1,000.00 | \$ 7,000.00 | \$ 1,281.00 | \$ 9,037.00 |
| 52 | Reducer, 8 inch x 6 inch | 2 | \$ 450.00 | \$ 900.00 | \$ 800.00 | \$ 1,600.00 | \$ 1,000.00 | \$ 2,000.00 | \$ 877.00 | \$ 1,754.00 |
| 53 | Sleeve, 12 inch | 3 | \$ 1,500.00 | \$ 4,500.00 | \$ 2,600.00 | \$ 7,800.00 | \$ 3,000.00 | \$ 9,000.00 | \$ 2,825.00 | \$ 8,475.00 |
| 54 | Sleeve, 8 inch | 2 | \$ 1,200.00 | \$ 2,400.00 | \$ 2,100.00 | \$ 4,200.00 | \$ 2,500.00 | \$ 5,000.00 | \$ 1,831.00 | \$ 3,662.00 |
| 55 | Bend, 90 degree, 6 inch | 7 | \$ 1,050.00 | \$ 6,300.00 | \$ 750.00 | \$ 4,500.00 | \$ 750.00 | \$ 4,500.00 | \$ 729.00 | \$ 4,371.00 |
| 56 | Bend, 45 degree, 12 inch | 20 | \$ 625.00 | \$ 12,500.00 | \$ 1,450.00 | \$ 29,000.00 | \$ 1,500.00 | \$ 30,000.00 | \$ 1,521.00 | \$ 30,000.00 |
| 57 | Bend, 45 degree, 8 inch | 12 | \$ 400.00 | \$ 4,800.00 | \$ 950.00 | \$ 11,400.00 | \$ 1,000.00 | \$ 12,000.00 | \$ 886.00 | \$ 10,647.00 |
| 58 | Bend, 22 1/2 degree, 12 inch | 1 | \$ 925.00 | \$ 925.00 | \$ 1,425.00 | \$ 1,425.00 | \$ 1,500.00 | \$ 1,500.00 | \$ 671.00 | \$ 6,052.00 |
| 59 | Bend, 22 1/2 degree, 6 inch | 2 | \$ 400.00 | \$ 800.00 | \$ 850.00 | \$ 1,700.00 | \$ 1,000.00 | \$ 2,000.00 | \$ 2,241.00 | \$ 2,241.00 |
| 60 | Plug, 12 inch | 1 | \$ 525.00 | \$ 525.00 | \$ 800.00 | \$ 800.00 | \$ 800.00 | \$ 800.00 | \$ 684.00 | \$ 1,388.00 |
| 61 | Plug, 8 inch | 2 | \$ 325.00 | \$ 650.00 | \$ 700.00 | \$ 1,400.00 | \$ 700.00 | \$ 1,400.00 | \$ 903.00 | \$ 903.00 |
| 62 | Hydrant Extension, 18 inch | 3 | \$ 375.00 | \$ 1,125.00 | \$ 625.00 | \$ 1,875.00 | \$ 400.00 | \$ 1,200.00 | \$ 567.00 | \$ 1,134.00 |
| 63 | Storm Manhole, 4 foot dia. Per Detail S-1 | 2 | \$ 625.00 | \$ 1,250.00 | \$ 650.00 | \$ 1,300.00 | \$ 750.00 | \$ 1,500.00 | \$ 383.00 | \$ 1,488.00 |
| 64 | Catch Basin, 4 foot dia. Per Detail S-3 | 5 | \$ 3,750.00 | \$ 18,750.00 | \$ 3,800.00 | \$ 19,000.00 | \$ 5,000.00 | \$ 25,000.00 | \$ 749.00 | \$ 1,488.00 |
| 65 | Core and Boot 12 inch Storm Sewer into Sewer or Manhole | 2 | \$ 1,300.00 | \$ 2,600.00 | \$ 1,300.00 | \$ 2,600.00 | \$ 800.00 | \$ 1,600.00 | \$ 3,657.00 | \$ 7,314.00 |
| 66 | Core and Boot 15 inch Storm Sewer into Sewer or Manhole | 1 | \$ 800.00 | \$ 800.00 | \$ 1,400.00 | \$ 1,400.00 | \$ 900.00 | \$ 900.00 | \$ 1,785.00 | \$ 1,785.00 |
| 67 | Manhole Casting, Furnish | 2 | \$ 750.00 | \$ 1,500.00 | \$ 700.00 | \$ 1,400.00 | \$ 1,000.00 | \$ 2,000.00 | \$ 625.00 | \$ 1,250.00 |
| 68 | Manhole Casting, Adjust | 2 | \$ 400.00 | \$ 800.00 | \$ 800.00 | \$ 1,600.00 | \$ 1,500.00 | \$ 3,000.00 | \$ 785.00 | \$ 1,790.00 |
| 69 | Catch Basin Casting, Furnish | 17 | \$ 750.00 | \$ 12,750.00 | \$ 800.00 | \$ 14,400.00 | \$ 1,500.00 | \$ 25,500.00 | \$ 895.00 | \$ 13,345.00 |
| 70 | Catch Basin Casting, Adjust | 17 | \$ 400.00 | \$ 6,800.00 | \$ 600.00 | \$ 10,200.00 | \$ 750.00 | \$ 12,750.00 | \$ 690.00 | \$ 11,560.00 |
| 71 | HMA, 3C | 445 | \$ 110.00 | \$ 48,950.00 | \$ 125.00 | \$ 55,625.00 | \$ 150.00 | \$ 66,750.00 | \$ 142.00 | \$ 63,190.00 |
| 72 | HMA, 5E1 | 340 | \$ 110.00 | \$ 37,400.00 | \$ 145.00 | \$ 49,300.00 | \$ 150.00 | \$ 51,000.00 | \$ 142.00 | \$ 48,280.00 |
| 73 | HMA, Approach | 425 | \$ 150.00 | \$ 63,750.00 | \$ 145.00 | \$ 61,625.00 | \$ 145.00 | \$ 61,625.00 | \$ 142.00 | \$ 60,350.00 |
| 74 | Hand Patching | 15 | \$ 250.00 | \$ 3,750.00 | \$ 305.00 | \$ 4,575.00 | \$ 300.00 | \$ 4,500.00 | \$ 212.00 | \$ 3,180.00 |
| 75 | Curb and Gutter, 18 inch x 6 inch pan, per Detail P-5 | 900 | \$ 18.00 | \$ 16,200.00 | \$ 19.00 | \$ 17,100.00 | \$ 22.00 | \$ 19,800.00 | \$ 22.00 | \$ 19,800.00 |
| 76 | Valley Gutter, 36 inch x 6 inch, per Detail P-5C | 370 | \$ 32.00 | \$ 11,840.00 | \$ 21.00 | \$ 7,770.00 | \$ 22.00 | \$ 8,140.00 | \$ 26.00 | \$ 9,620.00 |
| 77 | Driveway, Nonreinfc Conc, 6 inch | 950 | \$ 65.00 | \$ 61,750.00 | \$ 48.00 | \$ 45,600.00 | \$ 34.00 | \$ 32,300.00 | \$ 46.00 | \$ 43,700.00 |
| 78 | Burger Bayou Crossing | 1 | \$ 75,000.00 | \$ 75,000.00 | \$ 30,000.00 | \$ 30,000.00 | \$ 20,000.00 | \$ 20,000.00 | \$ 56,790.00 | \$ 56,790.00 |
| 79 | Washed Stone Embedment | 130 | \$ 50.00 | \$ 6,500.00 | \$ 65.00 | \$ 8,450.00 | \$ 150.00 | \$ 19,500.00 | \$ 88.00 | \$ 11,440.00 |
| 80 | Riprap, Heavy | 55 | \$ 100.00 | \$ 5,500.00 | \$ 140.00 | \$ 7,700.00 | \$ 250.00 | \$ 13,750.00 | \$ 215.00 | \$ 11,825.00 |
| 81 | Guardrail, Replace | 100 | \$ 50.00 | \$ 5,000.00 | \$ 20.00 | \$ 2,000.00 | \$ 25.00 | \$ 2,500.00 | \$ 85.00 | \$ 8,500.00 |
| 82 | Maintaining traffic (estimated 182 days) | 1 | \$ 85,000.00 | \$ 85,000.00 | \$ 165,000.00 | \$ 165,000.00 | \$ 200,000.00 | \$ 200,000.00 | \$ 100,890.00 | \$ 100,890.00 |
| 83 | Detour Signing (estimated 182 days) | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ 35,250.00 | \$ 35,250.00 | \$ 65,000.00 | \$ 65,000.00 | \$ 2,250.00 | \$ 2,250.00 |
| 84 | Thornapple River Drive Closure (2 Closures) | 5,000 | \$ 1.00 | \$ 5,000.00 | \$ 1.00 | \$ 5,000.00 | \$ 1.00 | \$ 5,000.00 | \$ 1.00 | \$ 5,000.00 |
| 85 | Preconstruction Documentation | 1 | \$ 25,000.00 | \$ 25,000.00 | \$ 7,650.00 | \$ 7,650.00 | \$ 12,000.00 | \$ 12,000.00 | \$ 4,830.00 | \$ 4,830.00 |
| 86 | Protect Tree, per Detail M-2 | 15 | \$ 150.00 | \$ 2,250.00 | \$ 125.00 | \$ 1,875.00 | \$ 300.00 | \$ 4,500.00 | \$ 95.00 | \$ 1,425.00 |
| 87 | Turf Watering | 20 | \$ 1,000.00 | \$ 20,000.00 | \$ 1,200.00 | \$ 24,000.00 | \$ 750.00 | \$ 15,000.00 | \$ 1,190.00 | \$ 23,800.00 |
| 88 | Weed Control | 10 | \$ 750.00 | \$ 7,500.00 | \$ 1,200.00 | \$ 12,000.00 | \$ 500.00 | \$ 5,000.00 | \$ 1,000.00 | \$ 10,000.00 |
| 89 | Turf Establishment | 14,000 | \$ 10.00 | \$ 140,000.00 | \$ 6.00 | \$ 84,000.00 | \$ 15.00 | \$ 210,000.00 | \$ 16.50 | \$ 231,000.00 |
| 90 | Underground Sprinkling Systems, Restore | 49,000 | \$ 1.00 | \$ 49,000.00 | \$ 1.00 | \$ 49,000.00 | \$ 1.00 | \$ 49,000.00 | \$ 1.00 | \$ 49,000.00 |
| 91 | Underground Fencing Systems, Restore | 11,000 | \$ 1.00 | \$ 11,000.00 | \$ 1.00 | \$ 11,000.00 | \$ 1.00 | \$ 11,000.00 | \$ 1.00 | \$ 11,000.00 |
| 92 | Landscaping, Restore | 15,000 | \$ 1.00 | \$ 15,000.00 | \$ 1.00 | \$ 15,000.00 | \$ 1.00 | \$ 15,000.00 | \$ 1.00 | \$ 15,000.00 |

| Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main – Phase 1) | | ENGINEER'S ESTIMATE | | NAGEL CONSTRUCTION INC | | WYOMING EXCAVATORS INC | |
|--|---|---------------------------|---------------------------|------------------------|---------------|------------------------|---------------|
| File No. 27044 | Original Bid Amount (TOTAL) | Allowable Discount Points | Allowable Discount Points | 5.0 | 4.0 | 5.0 | 4.0 |
| | \$ 3,508,635.00 | \$ 100,000.00 | \$ 100,000.00 | \$ 4,393,360.00 | \$ 100,000.00 | \$ 4,393,360.00 | \$ 100,000.00 |
| Item Number | Item Description | Unit | Quantity | Unit Price | Total | Unit Price | Total |
| 1 | Mobilization, Max \$170,000 | Lump Sum | 1 | \$ 170,000.00 | \$ 170,000.00 | \$ 170,000.00 | \$ 170,000.00 |
| 2 | Tree, Rem, 6 inch to 18 inch | Each | 40 | \$ 215.00 | \$ 8,600.00 | \$ 170,000.00 | \$ 170,000.00 |
| 3 | Tree, Rem, 19 inch to 36 inch | Each | 6 | \$ 1,070.00 | \$ 6,420.00 | \$ 26,000.00 | \$ 315.00 |
| 4 | Tree, Rem, 37 inch or Larger | Each | 1 | \$ 2,150.00 | \$ 2,150.00 | \$ 7,500.00 | \$ 7,280.00 |
| 5 | Slump, Rem, 6 inch to 18 inch | Each | 5 | \$ 325.00 | \$ 1,625.00 | \$ 1,800.00 | \$ 2,200.00 |
| 6 | Soil Erosion and Sedimentation Control | Lump Sum | 1 | \$ 25,000.00 | \$ 25,000.00 | \$ 750.00 | \$ 725.00 |
| 7 | Soil Erosion and Sedimentation Control Plan | Lump Sum | 1 | \$ 5,000.00 | \$ 5,000.00 | \$ 18,000.00 | \$ 21,730.00 |
| 8 | Storm Water Operator's Inspections | Each | 80 | \$ 100.00 | \$ 8,000.00 | \$ 7,000.00 | \$ 1,941.00 |
| 9 | Dust Control | Lump Sum | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ 100.00 | \$ 49.00 |
| 10 | Pavement, Remove, Full Depth | Square Yard | 3,655 | \$ 10.00 | \$ 36,550.00 | \$ 5,000.00 | \$ 1,450.00 |
| 11 | Manhole, Valve Chamber or Catch Basin, Remove | Each | 2 | \$ 500.00 | \$ 1,000.00 | \$ 12.00 | \$ 8.00 |
| 12 | Concrete Curb and Gutter, Remove | Foot | 1,370 | \$ 8.00 | \$ 10,960.00 | \$ 275.00 | \$ 515.00 |
| 13 | Concrete Sidewalk, Driveway and Approach, Remove | Square Foot | 9,000 | \$ 2.00 | \$ 18,000.00 | \$ 12.00 | \$ 9.00 |
| 14 | HMA Driveway, Remove | Square Foot | 18,500 | \$ 2.00 | \$ 37,000.00 | \$ 1.20 | \$ 2.00 |
| 15 | Guardrail, Rem | Foot | 100 | \$ 25.00 | \$ 2,500.00 | \$ 1.20 | \$ 1.00 |
| 16 | Abandon and Fill Underground Utility, 12 inch Dia. | Foot | 285 | \$ 10.00 | \$ 2,850.00 | \$ 1.20 | \$ 1.00 |
| 17 | Abandon and Fill Underground Utility, 15 inch Dia. | Foot | 325 | \$ 12.00 | \$ 3,900.00 | \$ 17.00 | \$ 12.00 |
| 18 | Contaminated Material, Storage, Handling and Disposal | Dollars | 50,000 | \$ 1.00 | \$ 50,000.00 | \$ 1.00 | \$ 1.00 |
| 19 | Bore and Jack 18 inch dia Steel Casing Pipe, Wall Thickness 0.375 inch, including 8 inch (Water Main) | Foot | 30 | \$ 1,000.00 | \$ 30,000.00 | \$ 400.00 | \$ 12,000.00 |
| 20 | Obstruction Removal, Bore and Jack, Less then 18 inch | Each | 2 | \$ 1,000.00 | \$ 2,000.00 | \$ 500.00 | \$ 1,000.00 |
| 21 | Subbase, CIP | Cubic Yard | 2,240 | \$ 18.00 | \$ 40,320.00 | \$ 19.00 | \$ 42,560.00 |
| 22 | Aggregate Base, 6 inch | Square Yard | 5,655 | \$ 15.00 | \$ 84,825.00 | \$ 15.00 | \$ 84,825.00 |
| 23 | Roadway Grading | Station | 125 | \$ 200.00 | \$ 25,000.00 | \$ 2,700.00 | \$ 337,500.00 |
| 24 | Storm Sewer, C76 C/IV, 12 inch | Foot | 20 | \$ 65.00 | \$ 1,300.00 | \$ 81.00 | \$ 1,620.00 |
| 25 | Storm Sewer, C76 C/IV, 15 inch | Foot | 660 | \$ 75.00 | \$ 49,500.00 | \$ 84.00 | \$ 55,440.00 |
| 26 | Storm Sewer, C76 C/IV, 18 inch | Foot | 25 | \$ 85.00 | \$ 2,125.00 | \$ 94.00 | \$ 2,350.00 |
| 27 | Basin Connection, C76 C/IV, 12 inch | Foot | 200 | \$ 65.00 | \$ 13,000.00 | \$ 84.00 | \$ 16,800.00 |
| 28 | Basin Connection, C76 C/IV, 15 inch | Foot | 50 | \$ 75.00 | \$ 3,750.00 | \$ 87.00 | \$ 4,350.00 |
| 29 | Culv End Section, Conc, 18 inch | Each | 1 | \$ 325.00 | \$ 325.00 | \$ 950.00 | \$ 983.00 |
| 30 | Culv End Section, Conc, 18 inch | Each | 1 | \$ 450.00 | \$ 450.00 | \$ 1,250.00 | \$ 1,181.00 |
| 31 | Culv End Section, Grate, 18 inch | Each | 1 | \$ 400.00 | \$ 400.00 | \$ 1,350.00 | \$ 398.00 |
| 32 | Watermain, 6 inch | Foot | 2,500 | \$ 85.00 | \$ 212,500.00 | \$ 109.00 | \$ 272,500.00 |
| 33 | Watermain, 8 inch | Foot | 7,300 | \$ 95.00 | \$ 693,500.00 | \$ 124.00 | \$ 905,200.00 |
| 34 | Watermain, 12 inch | Foot | 2,650 | \$ 140.00 | \$ 371,000.00 | \$ 158.00 | \$ 421,350.00 |
| 35 | Watermain, 12 inch (River Crossing) | Foot | 145 | \$ 400.00 | \$ 58,000.00 | \$ 730.00 | \$ 105,850.00 |
| 36 | Water Service, 1 inch | Foot | 5,500 | \$ 45.00 | \$ 247,500.00 | \$ 83.00 | \$ 456,500.00 |
| 37 | Water Service, 1.5 inch | Foot | 500 | \$ 50.00 | \$ 25,000.00 | \$ 88.00 | \$ 44,000.00 |
| 38 | Curb Stop and Box on water services, 1 inch | Each | 167 | \$ 630.00 | \$ 105,210.00 | \$ 488.00 | \$ 82,665.00 |
| 39 | Curb Stop and Box on water services, 1.5 inch | Each | 5 | \$ 800.00 | \$ 4,000.00 | \$ 745.00 | \$ 3,725.00 |
| 40 | Tap for water services, including corporation stop, 1 inch | Each | 167 | \$ 550.00 | \$ 91,850.00 | \$ 345.00 | \$ 57,615.00 |
| 41 | Tap for water services, including corporation stop, 1.5 inch | Each | 5 | \$ 760.00 | \$ 3,800.00 | \$ 690.00 | \$ 3,450.00 |
| 42 | Valve and box, 6 inch | Each | 38 | \$ 1,600.00 | \$ 60,800.00 | \$ 2,100.00 | \$ 79,800.00 |
| 43 | Valve and box, 8 inch | Each | 19 | \$ 2,100.00 | \$ 39,900.00 | \$ 2,700.00 | \$ 51,300.00 |
| 44 | Valve and box, 12 inch | Each | 5 | \$ 3,100.00 | \$ 15,500.00 | \$ 4,300.00 | \$ 21,500.00 |
| 45 | Hydrant, 5 inch | Each | 34 | \$ 3,500.00 | \$ 119,000.00 | \$ 4,000.00 | \$ 136,000.00 |
| 46 | Four-way cross, 8 inch x 8 inch | Each | 1 | \$ 1,200.00 | \$ 1,200.00 | \$ 1,220.00 | \$ 1,390.00 |
| 47 | Tee, 12 inch x 12 inch x 8 inch | Each | 2 | \$ 1,400.00 | \$ 2,800.00 | \$ 1,345.00 | \$ 2,690.00 |

| Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Camraron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main - Phase 1) | | ENGINEER'S ESTIMATE | | MAGEL CONSTRUCTION INC | | WYOMING EXCAVATORS INC | | | |
|--|---|---------------------------|----------------------------|------------------------|---------------|------------------------|---------------|---------------|---------------|
| Original Bid Amount [TOTAL] | | \$ 3,508,695.00 | | \$ 4,493,360.00 | | \$ 4,572,282.00 | | | |
| File No. 21044 | | Allowable Discount Points | | 5.0 | | 4.0 | | | |
| | | Allowable Discount Amount | | \$ 100,000.00 | | \$ 100,000.00 | | | |
| | | DISCOUNTED BID | | \$ 4,393,360.00 | | \$ 4,572,282.00 | | | |
| | | | Discounted Bid Ranking No. | | 4 | | 5 | | |
| 48 | Tee, 12 inch x 12 inch x 6 inch | Each | 7 | \$ 1,200.00 | \$ 8,400.00 | \$ 1,295.00 | \$ 9,065.00 | \$ 1,419.00 | \$ 9,933.00 |
| 49 | Tee, 8 inch x 8 inch x 8 inch | Each | 3 | \$ 750.00 | \$ 2,250.00 | \$ 955.00 | \$ 2,865.00 | \$ 1,117.00 | \$ 3,351.00 |
| 50 | Tee, 6 inch x 8 inch x 6 inch | Each | 21 | \$ 800.00 | \$ 14,700.00 | \$ 810.00 | \$ 17,010.00 | \$ 1,031.00 | \$ 21,651.00 |
| 51 | Tee, 6 inch x 6 inch x 6 inch | Each | 7 | \$ 600.00 | \$ 4,200.00 | \$ 710.00 | \$ 4,970.00 | \$ 891.00 | \$ 6,237.00 |
| 52 | Reducer, 8 inch x 6 inch | Each | 2 | \$ 450.00 | \$ 900.00 | \$ 610.00 | \$ 1,220.00 | \$ 721.00 | \$ 1,442.00 |
| 53 | Reducer, 8 inch x 6 inch | Each | 3 | \$ 1,500.00 | \$ 4,500.00 | \$ 1,675.00 | \$ 5,025.00 | \$ 2,552.00 | \$ 7,656.00 |
| 54 | Slaves, 6 inch | Each | 2 | \$ 1,200.00 | \$ 2,400.00 | \$ 1,300.00 | \$ 2,600.00 | \$ 1,375.00 | \$ 2,750.00 |
| 55 | Band, 60 degree, 6 inch | Each | 1 | \$ 450.00 | \$ 450.00 | \$ 585.00 | \$ 585.00 | \$ 587.00 | \$ 587.00 |
| 56 | Band, 45 degree, 12 inch | Each | 7 | \$ 910.00 | \$ 6,370.00 | \$ 1,145.00 | \$ 8,015.00 | \$ 1,390.00 | \$ 9,730.00 |
| 57 | Band, 45 degree, 6 inch | Each | 20 | \$ 625.00 | \$ 12,500.00 | \$ 680.00 | \$ 13,200.00 | \$ 856.00 | \$ 17,120.00 |
| 58 | Band, 45 degree, 6 inch | Each | 12 | \$ 400.00 | \$ 4,800.00 | \$ 560.00 | \$ 6,720.00 | \$ 571.00 | \$ 6,852.00 |
| 59 | Band, 22 1/2 degree, 12 inch | Each | 1 | \$ 925.00 | \$ 925.00 | \$ 1,070.00 | \$ 1,070.00 | \$ 972.00 | \$ 972.00 |
| 60 | Band, 22 1/2 degree, 6 inch | Each | 2 | \$ 400.00 | \$ 800.00 | \$ 545.00 | \$ 1,090.00 | \$ 557.00 | \$ 1,114.00 |
| 61 | Plug, 12 inch | Each | 1 | \$ 525.00 | \$ 525.00 | \$ 730.00 | \$ 730.00 | \$ 1,071.00 | \$ 1,071.00 |
| 62 | Plug, 6 inch | Each | 2 | \$ 325.00 | \$ 650.00 | \$ 490.00 | \$ 980.00 | \$ 810.00 | \$ 1,620.00 |
| 63 | Plug, 6 inch | Each | 3 | \$ 375.00 | \$ 1,125.00 | \$ 435.00 | \$ 1,305.00 | \$ 727.00 | \$ 2,181.00 |
| 64 | Hydrant Extension, 18 inch | Each | 2 | \$ 625.00 | \$ 1,250.00 | \$ 700.00 | \$ 1,400.00 | \$ 802.00 | \$ 1,604.00 |
| 65 | Storm Manhole, 4 foot dia. Per Detail S-1 | Each | 5 | \$ 3,750.00 | \$ 18,750.00 | \$ 3,700.00 | \$ 18,500.00 | \$ 2,732.00 | \$ 13,660.00 |
| 66 | Catch Basin, 4 foot dia. Per Detail S-3 | Each | 2 | \$ 3,500.00 | \$ 7,000.00 | \$ 4,100.00 | \$ 8,200.00 | \$ 3,434.00 | \$ 6,868.00 |
| 67 | Core and Boot 12 inch Storm Sewer into Sewer or Manhole | Each | 2 | \$ 650.00 | \$ 1,300.00 | \$ 600.00 | \$ 1,200.00 | \$ 889.00 | \$ 1,778.00 |
| 68 | Core and Boot 15 inch Storm Sewer into Sewer or Manhole | Each | 1 | \$ 800.00 | \$ 800.00 | \$ 750.00 | \$ 750.00 | \$ 1,063.00 | \$ 1,063.00 |
| 69 | Manhole Casting, Furnish | Each | 2 | \$ 750.00 | \$ 1,500.00 | \$ 500.00 | \$ 1,000.00 | \$ 500.00 | \$ 1,000.00 |
| 70 | Manhole Casting, Adjust | Each | 2 | \$ 400.00 | \$ 800.00 | \$ 525.00 | \$ 1,050.00 | \$ 643.00 | \$ 1,286.00 |
| 71 | Catch Basin Casting, Furnish | Each | 17 | \$ 750.00 | \$ 12,750.00 | \$ 800.00 | \$ 13,600.00 | \$ 750.00 | \$ 12,750.00 |
| 72 | Catch Basin Casting, Adjust | Each | 17 | \$ 400.00 | \$ 6,800.00 | \$ 480.00 | \$ 7,960.00 | \$ 641.00 | \$ 10,897.00 |
| 73 | HMA, 3C | Ton | 445 | \$ 110.00 | \$ 48,950.00 | \$ 145.00 | \$ 64,525.00 | \$ 142.00 | \$ 63,190.00 |
| 74 | HMA, 5E1 | Ton | 340 | \$ 110.00 | \$ 37,400.00 | \$ 145.00 | \$ 49,300.00 | \$ 142.00 | \$ 48,280.00 |
| 75 | HMA, Approach | Ton | 425 | \$ 150.00 | \$ 63,750.00 | \$ 145.00 | \$ 61,625.00 | \$ 142.00 | \$ 60,350.00 |
| 76 | Hand Patching | Ton | 15 | \$ 250.00 | \$ 3,750.00 | \$ 225.00 | \$ 3,375.00 | \$ 212.00 | \$ 3,180.00 |
| 77 | Curb and Gutter, 18 inch x 6 inch pan, per Detail P-5 | Foot | 900 | \$ 18.00 | \$ 16,200.00 | \$ 30.00 | \$ 27,000.00 | \$ 18.00 | \$ 16,200.00 |
| 78 | Valley Gutter, 36 inch x 6 inch, per Detail P-5C | Foot | 370 | \$ 32.00 | \$ 11,840.00 | \$ 30.00 | \$ 11,100.00 | \$ 19.00 | \$ 7,030.00 |
| 79 | Driveway, Nonreint Conc, 6 inch | Square Yard | 950 | \$ 60.00 | \$ 57,000.00 | \$ 70.00 | \$ 66,500.00 | \$ 50.00 | \$ 47,500.00 |
| 80 | Burger Bayou Crossing | Lump Sum | 1 | \$ 75,000.00 | \$ 75,000.00 | \$ 125,000.00 | \$ 125,000.00 | \$ 131,979.00 | \$ 131,979.00 |
| 81 | Washed Stone Embedment | Foot | 130 | \$ 50.00 | \$ 6,500.00 | \$ 180.00 | \$ 23,400.00 | \$ 158.00 | \$ 20,540.00 |
| 82 | R/Prep, Heavy | Square Yard | 55 | \$ 100.00 | \$ 5,500.00 | \$ 85.00 | \$ 4,675.00 | \$ 206.00 | \$ 11,330.00 |
| 83 | Guardrail, Replace | Foot | 100 | \$ 50.00 | \$ 5,000.00 | \$ 175.00 | \$ 17,500.00 | \$ 34.00 | \$ 3,400.00 |
| 84 | Maintaining traffic (estimated 192 days) | Lump Sum | 1 | \$ 85,000.00 | \$ 85,000.00 | \$ 35,000.00 | \$ 35,000.00 | \$ 87,147.00 | \$ 87,147.00 |
| 85 | Colour Signing (estimated 162 days) | Lump Sum | 1 | \$ 10,000.00 | \$ 10,000.00 | \$ 2,250.00 | \$ 2,250.00 | \$ 2,691.00 | \$ 2,691.00 |
| 86 | Thomapple River Drive Closure (2 Closures) | Dollars | 5,000 | \$ 1.00 | \$ 5,000.00 | \$ 1.00 | \$ 5,000.00 | \$ 1.00 | \$ 5,000.00 |
| 87 | Preconstruction Documentation | Lump Sum | 1 | \$ 25,000.00 | \$ 25,000.00 | \$ 9,900.00 | \$ 9,900.00 | \$ 5,045.00 | \$ 5,045.00 |
| 88 | Protect Tree, per Detail M-2 | Each | 15 | \$ 150.00 | \$ 2,250.00 | \$ 100.00 | \$ 1,500.00 | \$ 211.00 | \$ 3,165.00 |
| 89 | Turf Watering | Each | 20 | \$ 1,000.00 | \$ 20,000.00 | \$ 1,700.00 | \$ 34,000.00 | \$ 488.00 | \$ 9,360.00 |
| 90 | Weed Control | Each | 10 | \$ 750.00 | \$ 7,500.00 | \$ 900.00 | \$ 9,000.00 | \$ 468.00 | \$ 4,680.00 |
| 91 | Turf Establishment | Square Yard | 14,000 | \$ 10.00 | \$ 140,000.00 | \$ 11.00 | \$ 154,000.00 | \$ 10.00 | \$ 140,000.00 |
| 92 | Underground Sprinkling Systems, Restore | Dollars | 49,000 | \$ 1.00 | \$ 49,000.00 | \$ 1.00 | \$ 49,000.00 | \$ 1.00 | \$ 49,000.00 |
| 93 | Underground Fencing Systems, Restore | Dollars | 11,000 | \$ 1.00 | \$ 11,000.00 | \$ 1.00 | \$ 11,000.00 | \$ 1.00 | \$ 11,000.00 |
| 94 | Landscaping, Restore | Dollars | 15,000 | \$ 1.00 | \$ 15,000.00 | \$ 1.00 | \$ 15,000.00 | \$ 1.00 | \$ 15,000.00 |

EBO - Construction Worksheet

| Water Main in Burger Drive, Tanglewood Drive, Tricklewood Drive, Tricklewood Court, Brookhills Court, Tuscany Drive, Cimarron Drive, Tripoli Street, and Tripoli Court (Burger-Goodwood Neighborhood Water Main – Phase 1), File No. 21044 | | KAMMINGA & ROODVOETS INC | | PONSTEIN ENTERPRISES LLC dba GEORGETOWN CONSTRUCTION CO. | | DIVERSCO CONSTRUCTION CO INC | | NAGEL CONSTRUCTION INC | | WYOMING EXCAVATORS INC | | | | |
|--|--------------------------------|--------------------------|--------------|--|----|---------------------------------|--------------|---------------------------------------|--------------|--------------------------------|--------------|-------|----|--------|
| Original Bid Amounts (Total) | | \$3,941,140.00 | | \$4,037,330.00 | | \$4,403,761.50 | | \$4,493,360.00 | | \$4,672,282.00 | | | | |
| Prosperous Economy (A) | MLBE- L & O CONSTRUCTION | | \$69,975 | MLBE- N/A | | MLBE- DURAN CONTRACTORS | \$73,120 | MLBE- LODESTAR CONSTRUCTIO N | \$830,000 | MLBE- L & O CONSTRUCTION | \$69,975 | | | |
| Total Micro-LBE Participation | 1.78% | \$ | 69,975 | 0.00% | \$ | 1.66% | \$ | 73,120 | 18.47% | \$ | 830,000 | 1.50% | \$ | 69,975 |
| Micro-LBE Discount Points | 1.00 | | | 0.00 | | 1.00 | | 1.00 | 5.00 | | | 1.00 | | |
| Prosperous Economy (A) | 1.00 | | | 0.00 | | 1.00 | | 1.00 | 5.00 | | | 1.00 | | |
| Registered Apprenticeship (A) | | | | | | | | | | | | | | |
| Social Equity (B) | | | | | | | | | | | | | | |
| Prosperous Economy - Annual (C) | | | | | | | | | | | | | | |
| Enriched Lives (D) | | | | | | | | | | | | | | |
| Clean Environment (E) | | | | | | | | | | | | | | |
| TOTAL DISCOUNT POINTS | 1.0 | | | | | | | | | | | | | |
| Allowable Discount Points | 1.0 | | | | | | | | | | | | | |
| Discount Amount | \$ | | 39,411.40 | \$ | | \$ | 132,112.85 | \$ | 224,666.00 | \$ | 186,891.28 | \$ | | |
| Allowable Discount Amount | \$ | | 39,411.40 | \$ | | \$ | 100,000.00 | \$ | 100,000.00 | \$ | 100,000.00 | \$ | | |
| DISCOUNTED BID | \$ | | 3,901,728.60 | \$ | | \$ | 4,303,761.50 | \$ | 4,393,360.00 | \$ | 4,672,282.00 | \$ | | |
| Discounted BID Ranking | | 1 | | 2 | | 3 | | 4 | | 5 | | | | |