

University of Alabama System
Board Rule 415 (2/2005)
Board Submittal Checklist Criteria

* Board Submittal Checklist No. 4
Capital Project – Stage IV and Revised Budget /1
(Construction Contract Award and Revised Budget)

Campus: The University of Alabama
Project Name: Tutwiler Triangle Lot Stormwater Management
UA Project #: UTL-19-2010
Meeting Date: November 7 – 8, 2019.

- ☒ 1. Completed Board Submittal Checklist No. 4
- ☒ 2. Transmittal Letter to Chancellor from Campus President requesting the project be placed on the agendas for the forthcoming Physical Properties Committee and Board of Trustees (or Executive Committee) meetings
- ☒ 3. Resolution requesting approval of the Construction Contract Award, Construction Budget, and Project Budget
- ☒ 4. Campus correspondence/photographs providing supplemental project information
- ☒ 5. Executive Summary of Proposed Capital Project with final Contract Construction Budget and Project Budget (include all proposed project funding for movable equipment and furnishings) /2
- ☒ 6. Project Summary
- ☒ 7. Project Planning Report /2
- ☒ 8. Tabulation of Competitive bids – certified by Project Architect/Construction Manager
- ☒ 9. Recommendations for Contract Award by Architect/Construction Manager
- ☒ 10. Campus map(s) showing location of project site
- ☐ 11. Final Business Plans (if applicable) /3

Prepared by: _____

Approved by: _____

/1 Reference Tab 3H - Board Rule 415 Instructional Guide

/2 Reference Tab 3E - Board Rule 415 Instructional Guide

/3 Reference Tab 3V - Board Rule 415 Instructional Guide

* Basic documents required for this Board Submittal Package. Include other supporting materials, correspondence, etc., as may be required to fully describe or illustrate project being submitted for approval to Physical Properties Committee and Board of Trustees.

RESOLUTION

TUTWILER TRIANGLE LOT STORMWATER MANAGEMENT PROJECT

WHEREAS, on April 12, 2019, in accordance with Board Rule 415, The Board of Trustees of The University of Alabama (“Board”) approved a Stage I submittal for the Tutwiler Triangle Lot Stormwater Management project (“Project”); and

WHEREAS, the Project will address both chronic lack of capacity within the existing stormwater drainage system and support The University of Alabama’s (“University”) continued redevelopment of the South Campus Residential area; and

WHEREAS, this Project will consist of the installation of an approximately 56,000 square foot, 3-million-gallon capacity stormwater basin that serves the south and west portions of campus while maintaining the approximately 125 vehicle parking area on top of the basin; and

WHEREAS, on April 12, 2019, due to the firm’s substantial knowledge base gained over the course of development for the Project, the Board authorized the University to utilize the engineering services of McGiffert and Associates, LLC, Tuscaloosa, Alabama accepting a final negotiated design fee based on 6.2% of the cost of construction and landscaping plus \$13,500 for additional services less credits totaling \$110,700; and

WHEREAS, on June 7, 2019, the Board approved renderings for the Stage III submittal; and

WHEREAS, on September 17, 2019, pursuant to Title 30, State Bid Law of Alabama Code, competitive bids were received for the Project and WAR Construction of Tuscaloosa, Alabama (“WAR Construction”) was declared the lowest responsive and responsible bidder with a base bid in the amount of \$5,852,407; and

WHEREAS, the University desires to accept Alternate 1 in the amount of \$263,277; and

WHEREAS, the University is requesting approval to award the construction contract to WAR Construction for a total contract amount of \$6,115,684; and

WHEREAS, the University is requesting approval for a revised budget to reflect the construction contract amount for the Project, the breakout of equipment from the Stormwater Basin and Utilities Infrastructure budget and associated adjustments to soft costs including savings on the Engineering Fee based on the revised cost of the work; and

WHEREAS, the Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from 2019 General Revenue Bonds in the amount of \$6,712,988 and pending City of Tuscaloosa funds in the amount of \$1,000,000; and

WHEREAS, the revised budget for the Project is as stipulated below:

BUDGET:		REVISED
Stormwater Basin and Utilities and Infrastructure	\$	6,115,684
Flow Management and Control Equipment	\$	350,000
Contingency* (5%)	\$	323,284
UA Project Management Fee** (3%)	\$	203,669
Architect/Engineer Fee***	\$	320,351
Expenses (Surveys, Testing, Inspections)	\$	250,000
Other Fees and Services (Advertising, Printing, Postage)	\$	150,000
TOTAL PROJECT COST	\$	7,712,988

*Contingency is based on 5% of the costs of the Stormwater Basin and Utilities and Infrastructure and Flow Management and Control Equipment.

**UA Project Management Fee is based on 3% of the costs of the Stormwater Basin and Utilities and Infrastructure, Flow Management and Control Equipment and Contingency.

***Architect/Engineer Fee is based on 6.2% of the costs of the Stormwater Basin and Utilities and Infrastructure and Flow Management and Control Equipment plus \$13,500 for additional services less credits in the amount of \$94,021.

WHEREAS, officials at The University of Alabama have determined that the Board will incur certain costs in connection with the acquisition, construction and installation of the Project prior to the issuance of the Bonds, and the Board intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for certain of the costs incurred in connection with the acquisition, construction and installation of the Project paid prior to the issuance of the Bonds; and

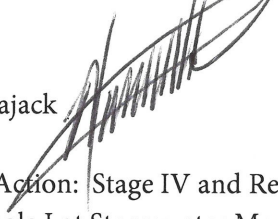
NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of Alabama that The University of Alabama does hereby declare that it intends to allocate a portion of the proceeds of the Bonds to reimburse the Board for expenses incurred after the date that is no more than sixty days prior to the date of the adoption of this resolution, prior to the issuance of the Bonds in connection with the acquisition, construction and installment of the Project. This portion of this resolution is being adopted pursuant to the requirements of Treasury regulations Section 1.150-2 (e).

NOW, BE IT FURTHER RESOLVED that:

1. Stuart R. Bell, President, Matthew M. Fajack, Vice President for Finance and Operations and Treasurer, or those officers named in the most recent Board Resolution granting signature Authority for The University of Alabama be, and each hereby is, authorized to act for and in the name of The Board of Trustees of The University of Alabama in executing the aforementioned contract with WAR Construction of Tuscaloosa, Alabama for the Project in accordance with Board Rule 415.
2. The Revised Budget for the Project is hereby approved as stipulated above.

October 4, 2019

To: Stuart R. Bell

From: Matthew M. Fajack 

Subject: Board Item – Action: Stage IV and Revised Budget submittals:
Tutwiler Triangle Lot Stormwater Management Project
UA Project #UTL-19-2010

On September 17, 2019, pursuant to Title 39, State Bid Law of Alabama Code, The University of Alabama (“University”) received competitive bids for the Tutwiler Triangle Lot Stormwater Management Project (“Project”). WAR Construction of Tuscaloosa, Alabama (“WAR Construction”) was declared the lowest responsive and responsible bidder with a base bid in the amount of \$5,852,407, which is within funds available for the Project. Furthermore, the University desires to accept Alternate 1 in the amount of \$263,277 and to award the construction contract to WAR Construction for a total contract amount of \$6,115,684.

Additionally, the University is requesting approval for a Revised Budget to reflect the construction contract amount, the breakout of equipment from the Stormwater Basin and Utilities and Infrastructure budget, and associated adjustments to soft costs including savings on the Engineering Fee based on the revised cost of the work.

The Project will be funded from 2019 General Revenue Bonds in the amount of \$6,712,988 and pending City of Tuscaloosa funds in the amount of \$1,000,000.

This Project location and program have been reviewed and are consistent with the Campus Master Plan, University Design Standards, and the principles contained therein. I have attached a Resolution, Executive Summary, Project Planning Report, Project Summary, Bid Tabulation and Location map for your review. Subject to your approval, I recommend this item be forwarded to the Chancellor for inclusion as an Action Item on the agenda of the Physical Properties Committee at the Board of Trustees meeting scheduled for November 7 – 8, 2019.

MMF/ccj

pc w/atchmts: Michael Rodgers
Michael Lanier
Tim Leopard

Sommer Coleman
David A. Jones
Trent Hall

WHERE LEGENDS ARE MADE

**EXECUTIVE SUMMARY
PROPOSED CAPITAL PROJECT**

BOARD OF TRUSTEES SUBMITTAL

Meeting Date: November 7 – 8, 2019

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: Tutwiler Triangle Lot Stormwater Management Project

PROJECT LOCATION: 10th Avenue along Bryant Drive

ARCHITECT: McGiffert and Associates, LLC, Tuscaloosa, Alabama

THIS SUBMITTAL:	PREVIOUS APPROVALS:
<input type="checkbox"/> Stage I	<u>April 12, 2019</u>
<input type="checkbox"/> Stage II, Waiver	<u>April 12, 2019</u>
<input type="checkbox"/> Stage III	<u>June 7, 2019</u>
<input checked="" type="checkbox"/> Stage IV	
<input checked="" type="checkbox"/> Revised Budget	

PROJECT TYPE	SPACE CATEGORIES	PERCENTAGE	GSF
<input type="checkbox"/> New Construction			
<input type="checkbox"/> Building Addition			
<input type="checkbox"/> Building Renovation			
<input checked="" type="checkbox"/> Campus Infrastructure	Underground Stormwater Detention Basin		N/A
<input type="checkbox"/> Equipment			
<input type="checkbox"/> Other			
TOTAL		N/A	N/A

BUDGET	Current	Revised
Stormwater Basin and Utilities and Infrastructure	\$ 7,600,000	\$ 6,115,684
Landscaping	\$ 200,000	\$ 0
Flow Management and Control Equipment	\$ -	\$ 350,000
Contingency* (5%)	\$ 390,000	\$ 323,284
UA Project Management Fee** (3%)	\$ 245,700	\$ 203,669
Architect/Engineer Fee*** (~5.08%)	\$ 386,400	\$ 320,351
Expenses (Surveys, Testing, Inspections)	\$ -	\$ 250,000
Other Fees and Services (Advertising, Printing, Postage)	\$ 177,900	\$ 150,000
TOTAL PROJECT COST	\$ 9,000,00	\$ 7,712,988

*Contingency is based on 5% of the costs of the Stormwater Basin and Utilities and Infrastructure and Flow Management and Control Equipment.

**UA Project Management Fee is based on 3% of the costs of the Stormwater Basin and Utilities, Infrastructure and Flow Management and Control Equipment and Contingency.

***Architect/Engineer Fee is based on 6.2% of the costs of the Stormwater Basin and Utilities and Flow Management and Control Equipment plus \$13,500 for additional services less credits in the amount of \$94,021.

ESTIMATED ANNUAL OPERATING AND MAINTENANCE (O&M) COSTS:

(Utilities, Housekeeping, Maintenance, Insurance, Other)

56,000 GSF x ~\$0.09/GSF:	\$	5,000*
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TOTAL ESTIMATED ANNUAL O&M COSTS:	\$	5,000*
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FUNDING SOURCE:

Capital Outlay:

2019 General Revenue Bonds	\$	6,712,988
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Pending - The City of Tuscaloosa	\$	1,000,000
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O&M Costs: University annual operating budget	\$	5,000*
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* The Tutwiler Triangle Parking Lot is an existing Parking Services Facility; and, as such, O&M costs are already funded from the Parking Services budget. The incremental increase in O&M costs are for the maintenance of the added stormwater basin, which is covered in the University annual operating budget.

NEW EQUIPMENT REQUIRED:

N/A

RELATIONSHIP & ENHANCEMENT OF CAMPUS PROGRAMS:

The modification of the Tutwiler Triangle Lot Stormwater Management Project will include the installation of a new 56,000 square foot, 3-million-gallon stormwater basin to address both a chronic lack of capacity within the existing storm drainage system and support the University's continued redevelopment of the south and west portions of campus. The top of the basin will remain surface parking for approximately 125 vehicles.

The project will mitigate emergency responder access issues and the potential for property damage during rain events.

Alternative usage for the water will be evaluated as part of the project including reuse for irrigation and potential research applications including remote sensing, geohydrology, and hydrological model evaluation.

ATTACHMENT NO. 1

Project: Tutwiler Triangle Lot
Stormwater Management Project
BOT Submittals – Stage IV
and Revised Budget
Meeting Date: November 7 – 8, 2019

Project Summary**TUTWILER TRIANGLE LOT STORMWATER MANAGEMENT PROJECT**

The Tutwiler Triangle Lot Stormwater Management Project will consist of the construction of a new underground stormwater basin (“Project”) of approximately 56,000 gross square feet, 3-million-gallons of capacity, and one level of structured parking on top at the current grade level that serves the south and west portions of The University of Alabama (“University”) campus. The new stormwater basin will address both a chronic lack of capacity within the existing storm drainage system and support the University’s continued redevelopment of the South Campus Residential area. The surface parking function will be maintained.

Significant flooding along Bryant Drive and in the Tutwiler area creates travel and safety issues routinely – at times creating congestion that would delay emergency responders from being able to access vital University locations. The Project will provide capacity for stormwater that will allow this area to drain sufficiently in the event of a 50-year rain event, taking in to account the currently planned South Campus Residential Development.

This proposed Project will also include all the Utility and Infrastructure upgrades required in this area to accommodate the underground detention structure. This includes modification to the electrical overhead and relocation of the existing water main. Also, included in this proposed Project is site lighting along the west side of 10th Avenue, next to the Tutwiler Triangle Parking Lot and in the lot. A landscape buffer will be provided between the surface lot and Evergreen cemetery and the sidewalk along 10th Avenue will be enhanced to accommodate increased pedestrian traffic.

To maximize the land use for this Project and to complement the ongoing development of the south side of campus, the top of the basin will remain a parking area to support approximately 139 vehicles. The entry point will align with the new entry to the New Tutwiler Residence Hall.

The Project includes an approximately 24’ x 24’ support structure to provide secure access to the sump basin and space for mechanical and electrical equipment necessary for the site. The support structure will be at the low point of the site and will match the finish, color, and stone jointing pattern of the south elevation of Bryant-Denny Stadium so as to minimize any interruption of the view of the stadium.

Alternative usage for the water will be evaluated as part of the Project including reuse for irrigation and potential research applications including remote sensing, geohydrology, and hydrological model evaluation.

THE UNIVERSITY OF ALABAMA SYSTEM
PROJECT PLANNING REPORT
DATE: November 7 - 8, 2019

INITIAL REPORT
INTERIM REPORT
x FINAL REPORT
3 REPORT NO.

TO: OFFICE OF THE CHANCELLOR
BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA

FROM: OFFICE OF THE PRESIDENT
THE UNIVERSITY OF ALABAMA

1. PROJECT: Tutwiler Triangle Lot Stormwater Management Project

2. LOCATION: 10th Avenue along Bryant Drive

3. ARCHITECT/ENGINEER: McGiffert and Associates, LLC, Tuscaloosa, Alabama

4. PROJECT STATUS:

A. SCHEMATIC DESIGN	DATE INITIATED	April-19
	% COMPLETE	100%
	* DATE COMPLETED (Projected)	April-19
B. PRELIMINARY DESIGN:	DATE INITIATED	May-19
	% COMPLETE	100%
	* DATE COMPLETED	June-19
C. CONSTRUCTION DOCUMENTS:	DATE INITIATED	July-19
	% COMPLETE	100%
	* DATE COMPLETED	August-19
D. SCHEDULED BID DATE:		September-19

5. CURRENT PROJECT BUDGET:

	CURRENT	REVISED
A. STORM BASIN AND UTILITIES AND INFRASTRUCTURE	\$ 7,600,000	\$ 6,115,684
B. LANDSCAPING	\$ 200,000	\$ -
C. FLOW MANAGEMENT AND CONTROL EQUIPMENT	\$ -	\$ 350,000
D. CONTINGENCY* (5%)	\$ 390,000	\$ 323,284
E. UA PROJECT MANAGEMENT FEE** (3%)	\$ 245,700	\$ 203,669
F. ARCHITECT/ENGINEER FEE*** (~5.08%)	\$ 386,400	\$ 320,351
G. EXPENSES (SURVEYS, TESTING, INSPECTIONS)	\$ -	\$ 250,000
H. OTHER FEES AND SERVICES (ADVERTISING, PRINTING,	\$ 177,900	\$ 150,000
I. TOTAL PROJECT COST	\$ 9,000,000	\$ 7,712,988

*Contingency is based on 5% of the cost of the Basin and Utilities and Infrastructure and Flow Management and Control Equipment.

**UA Project Management Fee is based on 3% of the cost of the Storm Basin and Utilities and Infrastructure, Flow Management and Control Equipment and Contingency.

***Architect/Engineer Fee is based on 6.2% of the costs of the Basin and Utilities and Infrastructure and Flow Management and Control Equipment plus \$13,500 for additional services less credits totaling \$94,021.

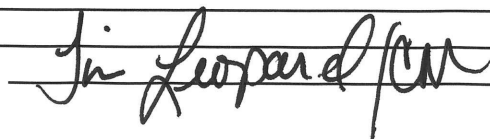
6. FUNDING/RESOURCES: 2019 General Revenue Bonds - \$6,712,988

Pending - City of Tuscaloosa - \$1,000,000

7. REMARKS

* FINAL AGENCY APPROVAL

SUBMITTED BY:



TABULATION OF BIDS



Project Name
Tutwiler Triangle Lot Storm Water Management

Bid Due
September 17, 2019 @ 2:00 p.m.

UA Project No.
UTL-19-2010

Bid Location
405 Cahaba Circle
Tuscaloosa, Alabama 35404

Architect/Engineer
McGiffert and Associates, LLC
2814 Stillman Blvd.
Tuscaloosa, AL 35401
phone: (205) 759-1521
fax: (205) 759-1524

FUNDS AVAILABLE: Seven million, six hundred thousand dollars and 00/100 (\$7,600,000.00)

BIDS SHALL BE VALID FOR: Sixty (60) Calendar Days

CONSTRUCTION DURATION: Completion Date of July 19, 2020

CONTRACTOR				WAR Construction, Inc.		J.T. Harrison Construction Co., Inc.		Russo Corporation		GFC Construction, Inc.	
				P.O. Box 1218 Tuscaloosa, AL 35403 GC Lic. # 6418		P.O. Box 21300 Tuscaloosa, AL 35402 GC Lic. # 20245		1421 Mims Ave., SW Birmingham, AL 35211 GC Lic. # 17225		P.O. Box 87 Duncanville, AL 35456 GC Lic. # 17900	
Addenda ONE - NINE				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
LICENSE # ON ENVELOPE				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
BONDING COMPANY OR BID DEPOSIT				The Cincinnati Insurance Company		Traveler's Casualty and Surety Company of America		The Cincinnati Insurance Company		Traveler's Casualty and Surety Company of America	
Line No.	Estimated Quantity	Unit	Description	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	1	l.s.	Mobilization / Demobilization	\$ 16,380.00	\$ 16,380.00	\$ 14,500.00	\$ 14,500.00	\$ 68,244.57	\$ 68,244.57	\$ 264,830.00	\$ 264,830.00
2	1	l.s.	Construction Layout	\$ 29,610.00	\$ 29,610.00	\$ 10,000.00	\$ 10,000.00	\$ 32,354.93	\$ 32,354.93	\$ 28,245.00	\$ 28,245.00
3	1	l.s.	As-Built Drawings	\$ 12,403.65	\$ 12,403.65	\$ 11,813.00	\$ 11,813.00	\$ 4,105.10	\$ 4,105.10	\$ 9,883.65	\$ 9,883.65
4	1	l.s.	Demolition, Clearing, Grubbing	\$ 95,658.15	\$ 95,658.15	\$ 18,181.00	\$ 18,181.00	\$ 64,506.09	\$ 64,506.09	\$ 48,815.05	\$ 48,815.05
5	1	l.s.	Storm Surge Basin	\$ 4,221,959.50	\$ ★ 4,221,959.50	\$ 3,915,531.00	\$ ★ 3,915,531.00	\$ 3,656,745.39	\$ 3,656,745.39	\$ 4,473,679.23	\$ 4,473,679.23
6	1	l.s.	Access/Control Building	\$ 254,146.20	\$ 254,146.20	\$ 256,905.00	\$ 256,905.00	\$ 451,701.35	\$ 451,701.35	\$ 300,273.48	\$ 300,273.48
7	14	each	Steel Bollards (Mounted on Concrete Slab), Type 1	\$ 252.00	\$ 3,528.00	\$ 300.00	\$ 4,200.00	\$ 992.30	\$ 13,892.20	\$ 302.40	\$ 4,233.60
8	46	each	Steel Bollards (Removable), Type 2 or Type 2A	\$ 446.25	\$ 20,527.50	\$ 295.00	\$ 13,570.00	\$ 1,184.74	\$ 54,498.04	\$ 535.50	\$ 24,633.00
9	13	each	Steel Bollards (Permanent), Type 3	Omitted per Addendum No. 4		Omitted per Addendum No. 4		Omitted per Addendum No. 4		Omitted per Addendum No. 4	
10	6	each	Permanent Traffic Signage with Bollards (ADA)	\$ 546.00	\$ 3,276.00	\$ 580.00	\$ 3,480.00	\$ 1,443.34	\$ 8,660.04	\$ 1,260.00	\$ 7,560.00
11	1	l.s.	Vehicular Access Control (headache bar)	\$ 8,842.05	\$ 8,842.05	\$ 8,420.50	\$ 8,420.50	\$ 6,230.37	\$ 6,230.37	\$ 8,841.53	\$ 8,841.53
12	250	each	Hay Bales	\$ 8.72	\$ ★ 2,180.00	\$ 4.00	\$ 1,000.00	\$ 22.11	\$ 5,527.50	\$ 5.00	\$ 1,250.00
13	200	each	Sand Bags	\$ 6.30	\$ 1,260.00	\$ 3.00	\$ 600.00	\$ 1.61	\$ 322.00	\$ 3.00	\$ 600.00
14	20	each	Erosion Control Inlet Protection	\$ 346.50	\$ 6,930.00	\$ 150.00	\$ 3,000.00	\$ 471.72	\$ 9,434.40	\$ 325.00	\$ 6,500.00
15	1,500	l.f.	Erosion Control Silt Fence	\$ 2.36	\$ ★ 3,540.00	\$ 3.00	\$ 4,500.00	\$ 4.16	\$ 6,240.00	\$ 3.25	\$ 4,875.00
16	1,000	l.f.	Erosion Control Wattle	\$ 2.99	\$ ★ 2,990.00	\$ 3.00	\$ 3,000.00	\$ 5.32	\$ 5,320.00	\$ 5.00	\$ 5,000.00
17	1	l.s.	Construction Exit Pad/Vehicle Wash Rack	\$ 5,780.25	\$ 5,780.25	\$ 7,750.00	\$ 7,750.00	\$ 4,468.22	\$ 4,468.22	\$ 25,250.00	\$ 25,250.00
18	1	l.s.	Earthwork	\$ 28,489.65	\$ 28,489.65	\$ 298,820.00	\$ 298,820.00	\$ 344,482.86	\$ 344,482.86	\$ 243,775.19	\$ 243,775.19
19	500	c.y.i.p.	Unsuitable Material Removal / Replacement	\$ 21.63	\$ 10,815.00	\$ 18.00	\$ 9,000.00	\$ 12.03	\$ 6,015.00	\$ 50.00	\$ 25,000.00

CONTRACTOR				WAR Construction, Inc.		J.T. Harrison Construction Co., Inc.		Russo Corporation		GFC Construction, Inc.	
				P.O. Box 1218 Tuscaloosa, AL 35403		P.O. Box 21300 Tuscaloosa, AL 35402		1421 Mims Ave., SW Birmingham, AL 35211		P.O. Box 87 Duncanville, AL 35456	
				GC Lic. # 6418		GC Lic. # 20245		GC Lic. # 17225		GC Lic. # 17900	
20	3,400	s.y.i.p.	Topsoil Placement	\$ 3.68	\$ + 12,512.00	\$ 3.50	\$ 11,900.00	\$ 4.21	\$ 14,314.00	\$ 3.68	\$ 12,512.00
21	3,400	s.y.i.p.	Solid Sod	\$ 5.88	\$ 19,992.00	\$ 5.60	\$ 19,040.00	\$ 6.74	\$ 22,916.00	\$ 5.88	\$ 19,992.00
22	1	l.s.	Landscaping / Irrigation	\$ 132,103.65	\$ 132,103.65	\$ 137,813.00	\$ 137,813.00	\$ 149,728.65	\$ 149,728.65	\$ 132,103.65	\$ 132,103.65
23	1,500	l.f.	Site Constraint Fencing (Post Driven with Wind Screen)	\$ 15.49	\$ + 23,235.00	\$ 14.75	\$ 22,125.00	\$ 21.57	\$ 32,355.00	\$ 15.49	\$ 23,235.00
24	2,200	l.f.	Site Constraint Fencing (Temporary Panels, No Windscreen)	\$ 5.78	\$ + 12,716.00	\$ 5.50	\$ 12,100.00	\$ 9.24	\$ 20,328.00	\$ 5.78	\$ 12,716.00
25	1	l.s.	Permanent Traffic Signage	\$ 934.50	\$ 934.50	\$ 1,665.00	\$ 1,665.00	\$ 2,165.01	\$ 2,165.01	\$ 1,890.00	\$ 1,890.00
26	1	l.s.	Temporary Traffic / Pedestrian Control	\$ 7,350.00	\$ 7,350.00	\$ 8,350.00	\$ 8,350.00	\$ 12,670.28	\$ 12,670.28	\$ 7,140.00	\$ 7,140.00
27	200	l.f.	Traffic Control Jersey Barriers (Yo-docks)	\$ 57.23	\$ + 11,446.00	\$ 25.00	\$ 5,000.00	\$ 127.27	\$ 25,454.00	\$ 25.00	\$ 5,000.00
28	400	each	Traffic Control Channelizing Drums	\$ 11.55	\$ 4,620.00	\$ 35.00	\$ 14,000.00	\$ 69.05	\$ 27,620.00	\$ 25.00	\$ 10,000.00
29	750	s.y.i.p.	Sidewalk with Integral 6" Curb	\$ 37.80	\$ 28,350.00	\$ 33.00	\$ 24,750.00	\$ 102.70	\$ 77,025.00	\$ 75.08	\$ 56,310.00
30	400	s.y.i.p.	Sidewalk	\$ 18.90	\$ 7,560.00	\$ 31.00	\$ 12,400.00	\$ 95.37	\$ 38,148.00	\$ 54.60	\$ 21,840.00
31	1,150	s.y.i.p.	Crush Aggregate Limestone Base Course, ALDOT 825 Type "B", (4" Compacted Thickness) at Sidewalks	\$ 8.14	\$ + 9,361.00	\$ 9.68	\$ 11,132.00	\$ 7.61	\$ 8,751.50	\$ 7.10	\$ 8,165.00
32	1,300	l.f.	Concrete Curb, 6" Stand-Up	\$ 11.55	\$ 15,015.00	\$ 15.00	\$ 19,500.00	\$ 27.95	\$ 36,335.00	\$ 23.10	\$ 30,030.00
33	200	l.f.	24" Curb and Gutter	\$ 10.50	\$ 2,100.00	\$ 24.00	\$ 4,800.00	\$ 56.78	\$ 11,356.00	\$ 18.90	\$ 3,780.00
34	160	s.y.i.p.	Concrete Pavement (minimum 7" thick, 4500 psi concrete with Tufmax DOT or approved equal fiber reinforcement at 3 lbs / cy of concrete)	\$ 49.35	\$ 7,896.00	\$ 52.00	\$ 8,320.00	\$ 126.27	\$ 20,203.20	\$ 85.58	\$ 13,692.80
35	20	s.y.i.p.	Concrete Valley Gutter	\$ 26.25	\$ 525.00	\$ 60.00	\$ 1,200.00	\$ 112.91	\$ 2,258.20	\$ 60.90	\$ 1,218.00
36	170	s.y.i.p.	Crush Aggregate Limestone Base Course, ALDOT 825 Type "B", (4" Compacted Thickness) at Concrete Pavement and Valley Gutter Areas	\$ 6.83	\$ + 1,161.10	\$ 10.23	\$ 1,739.10	\$ 7.61	\$ 1,293.70	\$ 7.10	\$ 1,207.00
37	1	l.s.	Parking Lot Striping (Temporary and Permanent)	\$ 4,462.50	\$ 4,462.50	\$ 9,748.83	\$ 9,748.83	\$ 2,405.57	\$ 2,405.57	\$ 4,462.50	\$ 4,462.50
38	30	l.f.	15" Diameter Storm Sewer	\$ 62.48	\$ + 1,874.40	\$ 175.52	\$ 5,265.60	\$ 79.08	\$ 2,372.40	\$ 137.04	\$ 4,111.20
39	230	l.f.	24" Diameter Storm Sewer	\$ 111.83	\$ + 25,720.90	\$ 241.76	\$ 55,604.80	\$ 283.68	\$ 65,246.40	\$ 131.48	\$ 30,240.40
40	204	l.f.	36" Diameter Storm Sewer	\$ 163.49	\$ + 33,351.96	\$ 235.98	\$ 48,139.92	\$ 305.99	\$ 62,421.96	\$ 153.58	\$ 31,330.32
41	295	l.f.	48" Diameter Storm Sewer	\$ 182.39	\$ + 53,805.05	\$ 245.96	\$ 72,558.20	\$ 385.77	\$ 113,802.15	\$ 160.58	\$ 47,371.10
42	790	l.f.	Post Construction CCTV of Storm Sewer	\$ 2.89	\$ + 2,283.10	\$ 5.00	\$ 3,950.00	\$ 6.01	\$ 4,747.90	\$ 5.25	\$ 4,147.50
43	7	each	Storm Structure, Curb Catch Basin Inlets	\$ 6,909.00	\$ 48,363.00	\$ 3,404.00	\$ 23,828.00	\$ 14,576.34	\$ 102,034.38	\$ 9,241.22	\$ 64,688.54
44	3	each	Storm Structure, Grate Inlets	\$ 2,257.50	\$ 6,772.50	\$ 1,738.00	\$ 5,214.00	\$ 3,272.89	\$ 9,818.67	\$ 2,848.29	\$ 8,544.87
45	29	each	Storm Structure, Grate Inlets (cast in parking lot concrete surface)	\$ 347.55	\$ 10,078.95	\$ 330.23	\$ 9,576.67	\$ 902.09	\$ 26,160.61	\$ 330.23	\$ 9,576.67
46	2	each	Storm Structure, Junction Boxes	\$ 4,541.25	\$ + 9,082.50	\$ 3,511.00	\$ 7,022.00	\$ 21,666.19	\$ 43,332.38	\$ 5,386.58	\$ 10,773.16
47	1	each	Construction Allowance: Sluice Gate	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
48	1	l.s.	Overhead and Profit Associated with Construction Allowance: Sluice Gate	\$ 1,750.00	\$ 1,750.00	\$ 350.00	\$ 350.00	\$ 5,250.00	\$ 5,250.00	\$ 1.00	\$ 1.00
49	6	each	Tie to Existing Storm Sewer Main / Structure	\$ 1,312.50	\$ 7,875.00	\$ 2,500.00	\$ 15,000.00	\$ 3,306.57	\$ 19,839.44	\$ 1,883.50	\$ 11,301.00
50	1,500	s.y.i.p.	Milling of Existing Asphalt	\$ 8.40	\$ 12,600.00	\$ 8.00	\$ 12,000.00	\$ 9.62	\$ 14,430.00	\$ 8.40	\$ 12,600.00
51	150	ton	Improved Bituminous Concrete Wearing Surface ALDOT 424, 3/8" Maximum Aggregate Size Mix, including Tack Coat, 165 #/sy	\$ 157.50	\$ 23,625.00	\$ 150.00	\$ 22,500.00	\$ 156.36	\$ 23,454.00	\$ 157.50	\$ 23,625.00

CONTRACTOR				WAR Construction, Inc.		J.T. Harrison Construction Co., Inc.		Russo Corporation		GFC Construction, Inc.	
				P.O. Box 1218 Tuscaloosa, AL 35403		P.O. Box 21300 Tuscaloosa, AL 35402		1421 Mims Ave., SW Birmingham, AL 35211		P.O. Box 87 Duncanville, AL 35456	
				GC Lic. # 6418		GC Lic. # 20245		GC Lic. # 17225		GC Lic. # 17900	
52	525	ton	Improved Bituminous Concrete Binder Layer, Patching, ALDOT 424, 1" Maximum Aggregate Size Mix, 880 #/sy	\$ 131.25	\$ 68,906.25	\$ 125.00	\$ 65,625.00	\$ 192.45	\$ 101,036.25	\$ 131.25	\$ 68,906.25
53	1	l.s.	Street Re-Striping	\$ 4,620.00	\$ 4,620.00	\$ 4,400.00	\$ 4,400.00	\$ 18,041.78	\$ 18,041.78	\$ 4,620.00	\$ 4,620.00
54	500	l.f.	Sleeves for Irrigation / Future UA Use	\$ 17.85	\$ 8,925.00	\$ 20.00	\$ 10,000.00	\$ 18.02	\$ 9,010.00	\$ 20.36	\$ 10,180.00
55	1	l.s.	Replacement of Existing Traffic Signal Control Panel and Relocation of Disconnect	\$ 14,336.70	\$ 14,336.70	\$ 13,654.00	\$ 13,654.00	\$ 16,422.42	\$ 16,422.42	\$ 14,336.70	\$ 14,336.70
56	1	l.s.	Site Lighting/Conductors and All Other Electrical/Fiber/or Conduits, Conductors, Vaults, Boxes, etc.	\$ 105,500.85	\$ 105,500.85	\$ 100,477.00	\$ 100,477.00	\$ 124,337.23	\$ 124,337.23	\$ 105,500.85	\$ 105,500.85
57	20	l.f.	2" Type "K" Copper Domestic Service Main	\$ 76.65	\$ 1,533.00	\$ 86.91	\$ 1,738.20	\$ 163.80	\$ 3,276.00	\$ 64.95	\$ 1,299.00
58	20	l.f.	3" PVC Class 200 Domestic Service Main (At Irrigation Meter)	\$ 48.83	\$ 976.60	\$ 49.11	\$ 982.20	\$ 29.79	\$ 595.80	\$ 35.18	\$ 703.60
59	20	l.f.	6" D.I. Class 50 Watermain	\$ 54.60	\$ 1,092.00	\$ 67.91	\$ 1,358.20	\$ 96.12	\$ 1,922.40	\$ 82.23	\$ 1,644.60
60	30	l.f.	12" D.I. Class 50 Watermain	\$ 70.46	\$ 2,113.80	\$ 102.70	\$ 3,081.00	\$ 249.99	\$ 7,499.70	\$ 102.86	\$ 3,085.80
61	440	l.f.	16" D.I. Class 50 Watermain	\$ 85.26	\$ 37,514.40	\$ 141.93	\$ 62,449.20	\$ 185.53	\$ 81,633.20	\$ 93.19	\$ 41,003.60
62	6,000	lbs	Watermain Fittings	\$ 5.04	\$ 30,240.00	\$ 1.50	\$ 9,000.00	\$ 5.57	\$ 33,420.00	\$ 7.10	\$ 42,600.00
63	1	each	12" x 4" Tapping Sleeve and Valve with Valve Box	\$ 3,832.50	\$ 3,832.50	\$ 4,773.00	\$ 4,773.00	\$ 6,959.93	\$ 6,959.93	\$ 2,613.71	\$ 2,613.71
64	1	each	6" Valve and Valve Box	\$ 750.75	\$ 750.75	\$ 607.00	\$ 607.00	\$ 876.51	\$ 876.51	\$ 1,018.75	\$ 1,018.75
65	1	each	12" Valve and Valve Box	\$ 1,995.00	\$ 1,995.00	\$ 1,635.00	\$ 1,635.00	\$ 2,335.66	\$ 2,335.66	\$ 2,235.43	\$ 2,235.43
66	4	each	16" Valve and Valve Box	\$ 5,880.00	\$ 23,520.00	\$ 7,311.00	\$ 29,244.00	\$ 6,418.65	\$ 25,674.60	\$ 6,083.81	\$ 24,335.24
67	1	each	Yard Hydrant	\$ 945.00	\$ 945.00	\$ 707.00	\$ 707.00	\$ 488.65	\$ 488.65	\$ 1,259.90	\$ 1,259.90
68	490	l.f.	Watermain Cleaning (pigging for 16" diameter mains only), Testing, and Disinfection	\$ 5.25	\$ 2,572.50	\$ 6.20	\$ 3,038.00	\$ 6.38	\$ 3,126.20	\$ 6.50	\$ 3,185.00
69	450	l.f.	Abandon / Grout Fill Existing Watermain	\$ 27.62	\$ 12,429.00	\$ 14.44	\$ 6,498.00	\$ 8.42	\$ 3,789.00	\$ 10.60	\$ 4,770.00
70	1	each	Cut and Cap Existing Main	\$ 1,050.00	\$ 1,050.00	\$ 600.00	\$ 600.00	\$ 1,363.00	\$ 1,363.00	\$ 933.50	\$ 933.50
71	3	each	End Line Restraint	\$ 1,155.00	\$ 3,465.00	\$ 1,615.00	\$ 4,845.00	\$ 2,104.63	\$ 6,313.89	\$ 870.39	\$ 2,611.17
72	1	l.s.	2" Irrigation Meter Assembly	\$ 3,150.00	\$ 3,150.00	\$ 1,966.00	\$ 1,966.00	\$ 4,068.37	\$ 4,068.37	\$ 368.81	\$ 368.81
73	3	each	Galvanized Steel Step Ladder and Anchors	\$ 2,205.00	\$ 6,615.00	\$ 1,100.00	\$ 3,300.00	\$ 1,323.06	\$ 3,969.18	\$ 1,155.00	\$ 3,465.00
74	1	l.s.	ALPCO Meter Set	\$ 10,494.75	\$ 10,494.75	\$ 9,995.00	\$ 9,995.00	\$ 12,021.53	\$ 12,021.53	\$ 10,494.75	\$ 10,494.75
75	1	l.s.	UA Blue Phone	\$ 3,732.75	\$ 3,732.75	\$ 3,555.00	\$ 3,555.00	\$ 4,275.80	\$ 4,275.80	\$ 3,732.75	\$ 3,732.75
76	1	l.s.	UA Bronze Utility Marker Installation	\$ 1,050.00	\$ 1,050.00	\$ 1,500.00	\$ 1,500.00	\$ 360.84	\$ 360.84	\$ 1,500.00	\$ 1,500.00
77	1	l.s.	Replacement and Abandonment of Existing Monitoring Wells	\$ 21,538.65	\$ 21,538.65	\$ 20,513.00	\$ 20,513.00	\$ 24,239.74	\$ 24,239.74	\$ 21,538.65	\$ 21,538.65
78	31	l.f.	36" Diameter Storm Sewer, Cl. 52 Ductile Iron	\$ 263.55	\$ 8,170.05	\$ 330.83	\$ 10,255.73	\$ 496.72	\$ 15,398.32	\$ 281.41	\$ 8,723.71
79	1	each	Relocate Existing Fire Hydrant	\$ 2,677.50	\$ 2,677.50	\$ 1,155.00	\$ 1,155.00	\$ 2,377.73	\$ 2,377.73	\$ 925.82	\$ 925.82
80	2	each	Relocation of Existing Site Lighting Poles along Bryant Drive	\$ 1,522.50	\$ 3,045.00	\$ 1,450.00	\$ 2,900.00	\$ 1,756.03	\$ 3,512.06	\$ 1,522.50	\$ 3,045.00
81	1	each	48"x48" Hinge Hatch Assembly with Safety Grate	\$ 4,176.90	\$ 4,176.90	\$ 3,978.00	\$ 3,978.00	\$ 2,405.57	\$ 2,405.57	\$ 3,978.00	\$ 3,978.00
82	1	l.s.	Construction Allowance: Aeration for Mosquito Treatment	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
83	1	l.s.	Overhead and Profit Associated with Construction Allowance: Aeration for Mosquito Treatment	\$ 2,500.00	\$ 2,500.00	\$ 500.00	\$ 500.00	\$ 7,500.00	\$ 7,500.00	\$ 1.00	\$ 1.00
84	1	l.s.	Construction Allowance: Surge Basin Irrigation System	\$ 77,000.00	\$ 77,000.00	\$ 65,000.00	\$ 65,000.00	\$ 65,000.00	\$ 65,000.00	\$ 65,000.00	\$ 65,000.00
85	1	l.s.	Overhead and Profit Associated with Construction Allowance: Surge Basin Irrigation System	\$ 3,850.00	\$ 3,850.00	\$ 650.00	\$ 650.00	\$ 9,750.00	\$ 9,750.00	\$ 1.00	\$ 1.00

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				P.O. Box 1218 Tuscaloosa, AL 35403 GC Lic. # 6418		P.O. Box 21300 Tuscaloosa, AL 35402 GC Lic. # 20245		1421 Mims Ave., SW Birmingham, AL 35211 GC Lic. # 17225		P.O. Box 87 Duncanville, AL 35456 GC Lic. # 17900	
86	1	l.s.	Construction Allowance: Trash Rack at Surge Basin Sump Area	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
87	1	l.s.	Overhead and Profit Associated with Construction Allowance: Trash Rack at Surge Basin Sump Area	\$ 1,250.00	\$ 1,250.00	\$ 250.00	\$ 250.00	\$ 3,750.00	\$ 3,750.00	\$ 1.00	\$ 1.00
TOTAL BASE BID				\$	★ 5,852,407.01	\$	5,751,092.15	\$	★ 6,457,736.82	\$	6,676,468.03
ALTERNATE No. 1 - GROUNDWATER RECHARGE SYSTEM											
100	8	each	Valve Assembly	\$ 10,053.75	\$ 80,430.00	\$ 7,375.00	\$ 59,000.00	\$ 8,034.38	\$ 64,275.04	\$ 6,994.08	\$ 55,952.64
101	2,020	l.f.	Groundwater Trenches	\$ 80.33	\$ ★ 162,266.60	\$ 150.00	\$ 303,000.00	\$ 140.87	\$ 284,557.40	\$ 100.21	\$ 202,424.20
102	1	l.s.	Plumbing Associated with Groundwater Recharge System	\$ 20,580.00	\$ 20,580.00	\$ 19,600.00	\$ 19,600.00	\$ 39,932.49	\$ 39,932.49	\$ 38,245.00	\$ 38,245.00
TOTAL ALTERNATE No. 1				\$	★ 263,276.60	\$	381,600.00	\$	388,764.93	\$	296,621.84
TOTAL BASE BID + ALTERNATE No. 1				\$	6,115,683.61	\$	6,132,692.15	\$	6,846,501.75	\$	6,973,089.87

★ Indicates Envelope Adjustment

★ Indicates Summation Error

I CERTIFY THAT THE ABOVE BIDS WERE RECEIVED SEALED AND WERE PUBLICLY OPENED AND READ ALOUD AT THE TIME AND PLACE INDICATED AND THAT THIS IS A TRUE AND CORRECT TABULATION OF ALL BIDS RECEIVED FOR THIS PROJECT. I RECOMMEND AWARD OF THE CONTRACT FOR CONSTRUCTION TO THE LOWEST RESPONSIBLE AND RESPONSIVE BIDDER AS SHOWN ABOVE, AS DETERMINED BY THE AVAILABLE FUNDS AND SUBJECT TO THE INSTRUCTIONS TO BIDDERS AND ANY APPLICABLE LAW.

Jason L. Coker, PE
McGiffert and Associates, LLC

Sworn to and subscribed before me this 17th day of September, 2019.

Tara Spath

My Commission Expires 1-12-22



TUTWILER TRIANGLE LOT STORMWATER MANAGEMENT PROJECT

LOCATION MAP



TUTWILER TRIANGLE LOT STORMWATER MANAGEMENT PROJECT

10th Avenue looking North

Approved June 7, 2019

