



City of Franklin

109 3rd Ave S
Franklin, TN 37064
(615)791-3217

Meeting Agenda

Work Session

Tuesday, February 25, 2020

5:00 PM

Board Room

Call to Order

Citizen Comments

WORKSESSION DISCUSSION ITEMS

1. [20-0138](#) Presentation Of 'On The Table' Results By Franklin Tomorrow.

Attachments: [OTT_BOMA_presentation FINAL.pdf](#)

2. [19-1203](#) Consideration Of Procurement Award To Middle Tennessee Infrastructure, Inc. Of Murfreesboro, Tennessee In The Total Amount Of \$554,057.40 For Holiday Court Sewer System Improvements For The Sewer-General Division Of The Water Management Department (Purchasing Office Procurement Solicitation No. 2020-017; City Project No. 2019-016; \$500,000 Budgeted In 431-89320-52219 For Fiscal Year 2020; City Contract No. 2019-0310) (WS 2/25/20)

Sponsors: Michelle Hatcher and Brian Goodwin

Attachments: [2020-017 Tabulation of bids 2020.02.19.1119](#)
[2019-0310 C-520 Agreement with all but attachments 2a, 2b and 9c.Law Review](#)
[2020-017 Tabulation of bid line-item pricing 2020.02.06](#)
[Master](#)

Legislative History
2/11/20 Work Session referred to the Work Session

3. [20-0089](#) Consideration Of COF Contract No. 2020-0012 A Professional Services Agreement With Hazen & Sawyer For The Evaluation Of Franklin's Southeastern Wastewater Capacity. (WS 1/28/20, 2/25/20)

Sponsors: Michelle Hatcher and Brian Goodwin

Attachments: [2020-0012 Hazen and Sawyer Franklin SE WW Capacity_with Exhibits.Law Ap](#)
[2020-0012 Hazen and Sawyer Franklin SE WW Capacity_with Exhibits.Law Ap](#)

Legislative History
1/28/20 Work Session referred to the Board of Mayor & Aldermen

4. [20-0157](#) Consideration Of COF Contract No. 2020-0020 Settlement Agreement And Final Release Of Claims For Sidewalk Repair On Werthan Circle. (WS 2/25/20)
- Sponsors:** Shauna Billingsley
- Attachments:** [2020-0020 Settlement Agmt and Final Release_CityofFranklin rev 01.30.20.pdf](#)
5. [20-0200](#) *Consideration Of COF Contract No. 2019-0221 Road Impact Fee Offset Agreement For The Southbrooke PUD Subdivision With Southbrooke, LLC. (WS 2/25/20)
- Sponsors:** Paul Holzen
- Attachments:** [COF 2019-0221 Road Impact Fee Offset Agreement with Southbrooke LLC wit](#)
6. [20-0139](#) Consideration Of COF Contract No. 2019-0376 A Professional Services Agreement With Barge Design Solutions, Inc. For The Design Of The Bicentennial Park Project (CIC 1/23/20, 3-0; WS 2/25/20)
- Sponsors:** Paul Holzen
- Attachments:** [COF 2019-0376 Barge PSA BICENTENNIAL PARK with Attachments.Law Ap BICENTENNIAL PARKING OPTIONS.pdf](#)
7. [20-0164](#) Public Safety Targeted Market Adjustments - FY 2020
- Sponsors:** Eric Stuckey and Kevin Townsel
- Attachments:** [2020 Compensation Study Public Safety Mkt- Budget and Finance presentation](#)
- Legislative History**
- | | | |
|---------|----------------------------|------------------------------|
| 2/13/20 | Budget & Finance Committee | referred to the Work Session |
|---------|----------------------------|------------------------------|
8. [19-1287](#) Consideration Of Ordinance 2019-56, An Ordinance To Amend Title 16, Chapter 1 Of The City Of Franklin Municipal Code Prohibiting On-Demand Electric Scooters. (WS 2/25/20; BOMA 3/10/20, 8-0) SECOND AND FINAL READING
- Sponsors:** Holland Schellhase and Eric Stuckey
- Attachments:** [Ord 2019-56 - On-Demand Electric Scooter Ban.Law Approved 2.pdf](#)
9. [19-1290](#) Consideration Of Ordinance 2019-55, An Ordinance To Amend Title 15, Chapter 6, Section 15-603 Of The City Of Franklin Municipal Code, Pertaining To Stopping, Standing Or Parking Near Mailboxes. (WS 2/25/20; BOMA 3/10/20, 8-0) SECOND AND FINAL READING
- Sponsors:** Eric Stuckey and Holland Schellhase
- Attachments:** [2019-55 ORD_Vehicles near mailboxes.Law Approved \(002\).pdf](#)

10. [20-0207](#) Presentation And Discussion Of An Envision Franklin Amendment To Revise The Alley-Accessed Single-Family Residential Lot Width And Lot Size Policy In The Mixed Residential, Single-Family Residential, And Conservation Subdivision Design Concepts.

Sponsors: Planning and Sustainability Dept and Emily Hunter

Attachments: [Feb 2020 BOMA WS Presentation](#)

Other Business

Adjournment

Anyone requesting accommodations due to disabilities should contact ADA coordinator at 791-3277.

FRANKLIN
TOMORROW
ENGAGE · COLLABORATE · ADVOCATE

20
YEARS
2000-2020



on the table 2018 & 2019 Survey Results



2018 v. 2019: Who Participated and How Do They Perceive Franklin?

- In both 2018 and 2019, On The Table participants overwhelmingly had positive views of Franklin.
- In both 2018 and 2019, participants had high levels of attachment to Franklin, rating it as excellent or good.



2018 v. 2019 Survey Results

On the Table Event Differences:

- 2019, focus on public events and engaging senior and youth populations

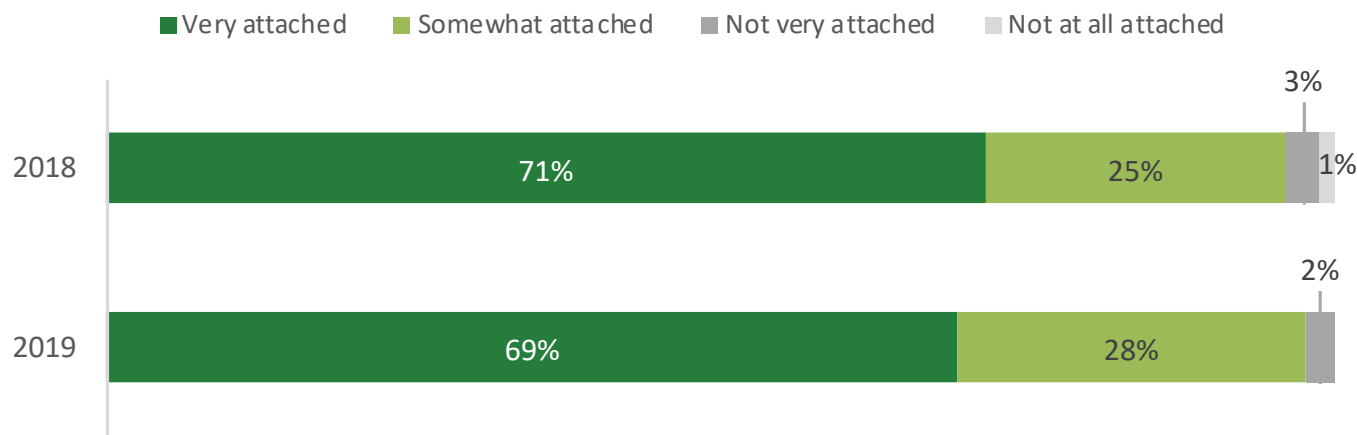
Survey Results:

- Even with a shift in focus, 2019 results were very consistent with 2018 results

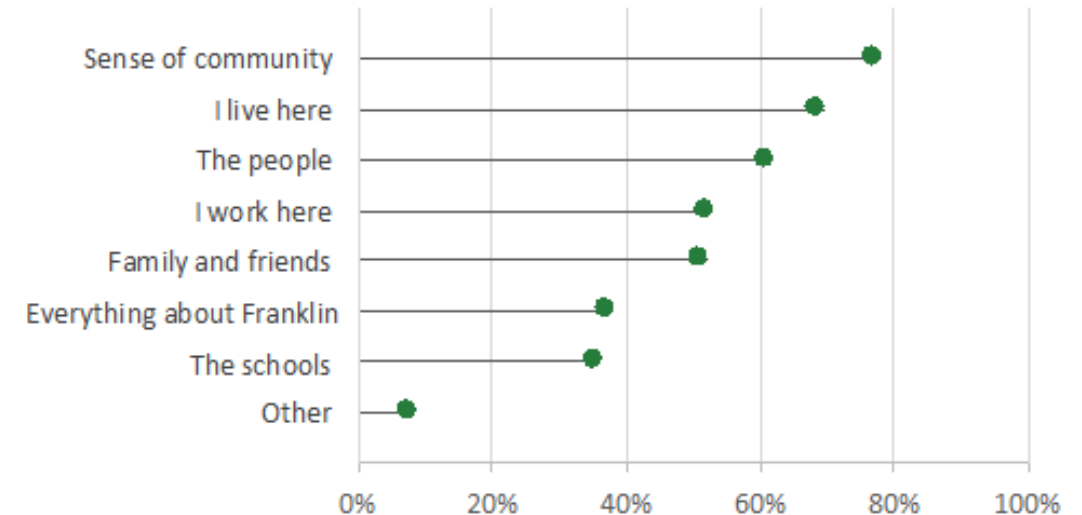


Attendee Perspectives on Franklin

Almost all respondents feel attached to Franklin, with the majority feeling **very attached**.

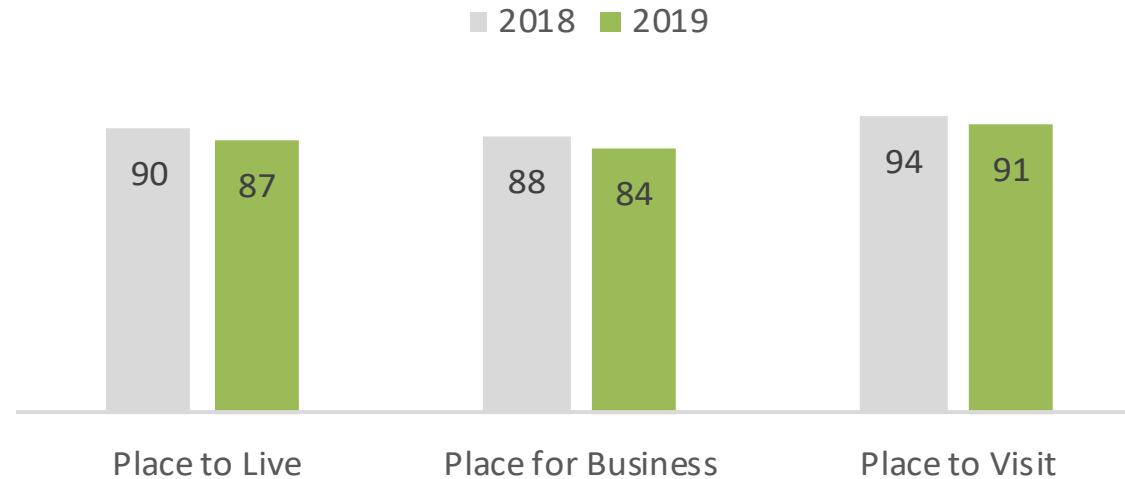


In 2019, **sense of community** is the predominant driver of attachment to Franklin.



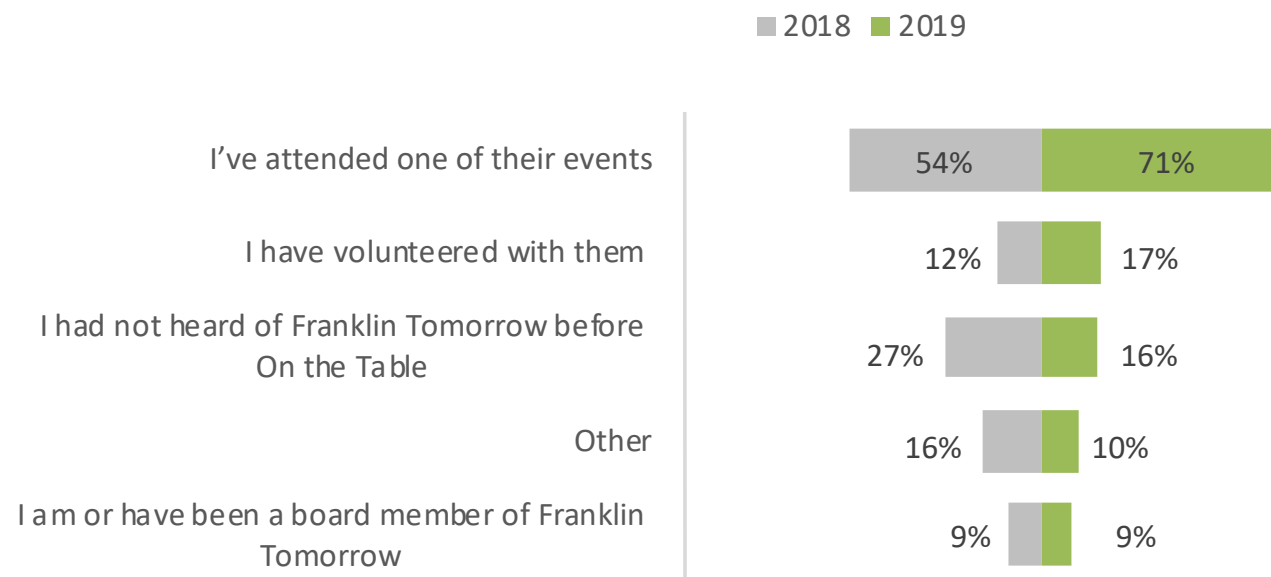
Franklin as a Location to Live, Run a Business, and Place to Visit

In 2019, average ratings of Franklin were very high as a place to visit, live, and for business, though ratings did drop slightly from 2018.

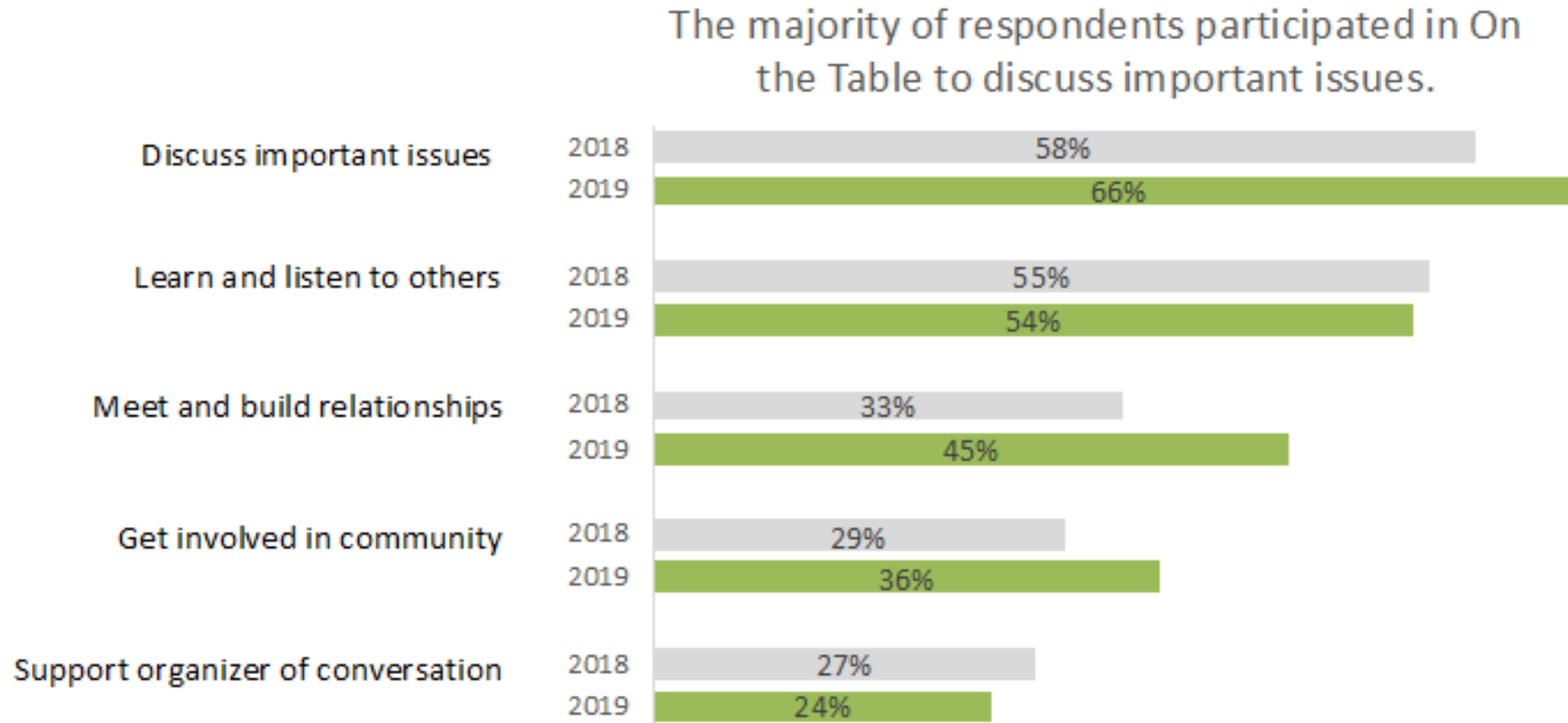


On The Table Participants' Relationship to Franklin Tomorrow

More participants in 2019 had attended a Franklin Tomorrow event than in 2018.

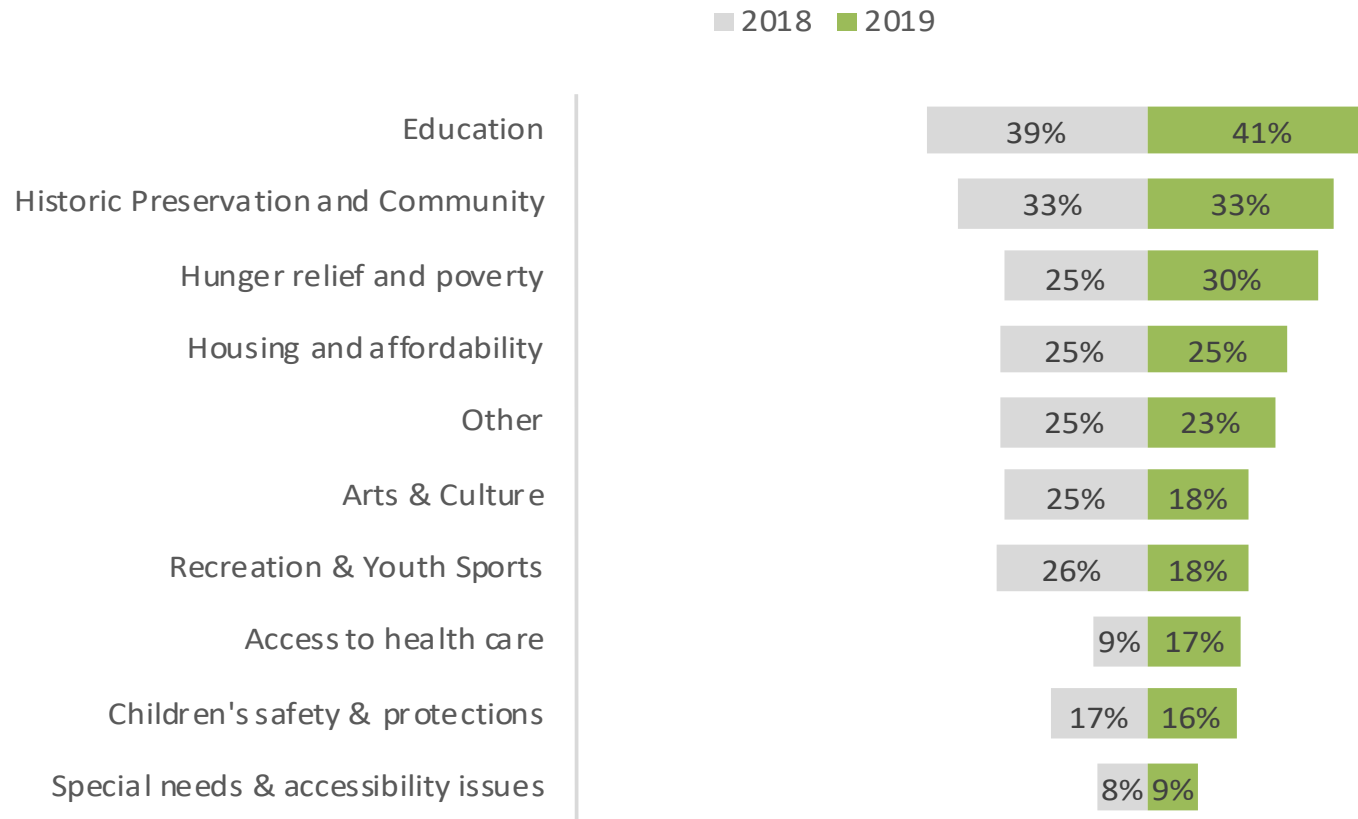


Reason for Participating in On The Table



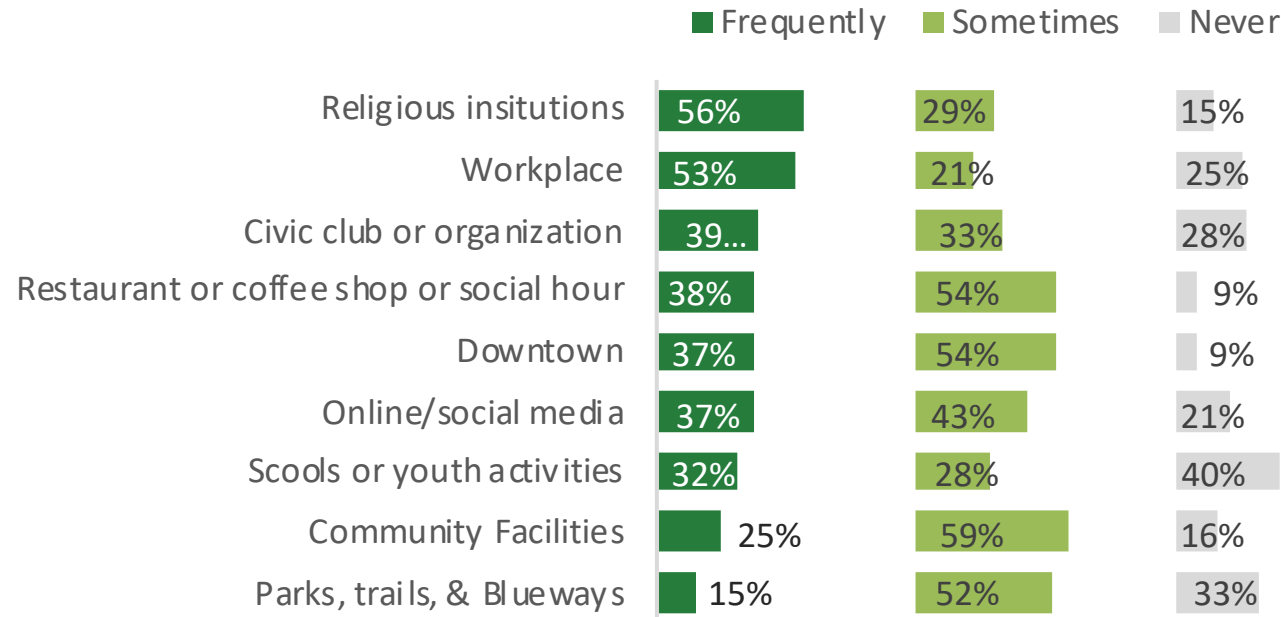
How Do Participants Contribute Their Time

Participants contribute their time to across many topics,
with education and historic preservation leading.



How Do You Connect with Others

2019 Participants connect with others primarily through religious institutions, work.



Top Issues for On The Table Participants

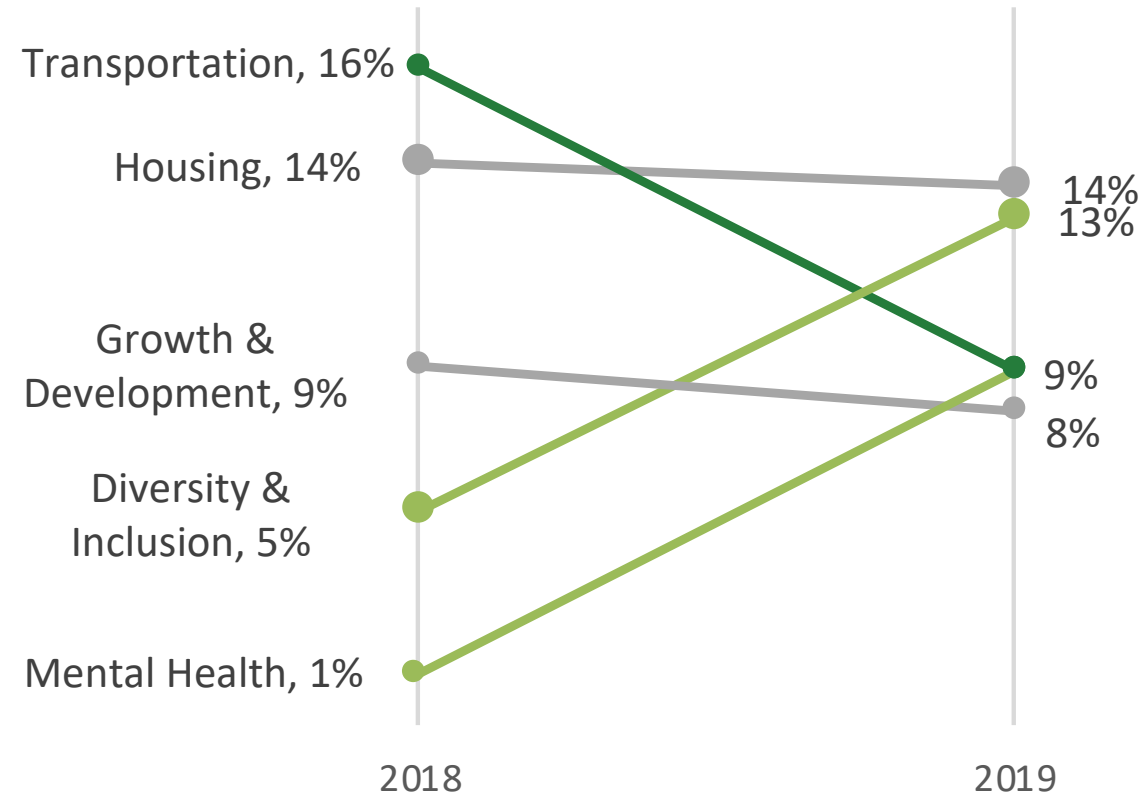
Consistent themes:

- Affordable Housing
 - Transportation
- Growth and Development
- Diversity and Inclusion
 - Mental Health



Areas for Improvement in Franklin

Opportunities for Improvement,
Percents across all rankings



on the table

2018 & 2019 Survey Results

Areas for Improvement in Franklin By Age Group

Areas for Improvement

29 and Younger	2018	1 Housing		26%
		2 Transportation		9%
		3 Diversity & Inclusion		7%
		3 Education		7%
		3 Sidewalk, Bikeway, & Greenways		7%
	2019	1 Housing		24%
		2 Mental Health, Suicide, Addiction		14%
		3 Communication & Awareness		14%
30 to 49	2018	1 Transportation		16%
		2 Housing		14%
		3 Growth and Development		10%
	2019	1 Housing		17%
		2 Diversity & Inclusion		14%
	2019	3 Transportation		9%
50 or Older	2018	1 Transportation		19%
		2 Housing		14%
		3 Growth and Development		10%
	2019	1 Diversity & Inclusion		12%
		2 Housing		11%
		3 Growth and Development		9%
	2019	3 Mental Health, Suicide, Addiction		9%
		3 Transportation		9%

What's Missing

29 and Younger	2018	1 Affordable Housing		24%
		2 Diversity & Inclusion		19%
		3 Sidewalks, Bikeways, & Greenways		14%
		3 Communication & Awareness		14%
	2019	1 Affordable/attainable housing		32%
		2 Greater diversity and inclusion		26%
		3 Communication and awareness		11%
		3 Programs and support for mental health, suicide, and addiction		11%
30 to 49	2018	1 Affordable Housing		18%
		2 Sidewalks, Bikeways, & Greenways		12%
		3 Diversity & Inclusion		11%
	2019	1 Affordable/attainable housing		27%
		2 Solutions to traffic and transportation issues		16%
		3 Greater diversity and inclusion		13%
50 or Older	2018	1 Affordable Housing		23%
		2 Traffic		9%
		3 Sidewalks, Bikeways, & Greenways		9%
	2019	1 Affordable/attainable housing		19%
		2 Solutions to traffic and transportation issues		14%
		3 Greater diversity and inclusion		11%



Areas for Improvement: High School Students and Adults

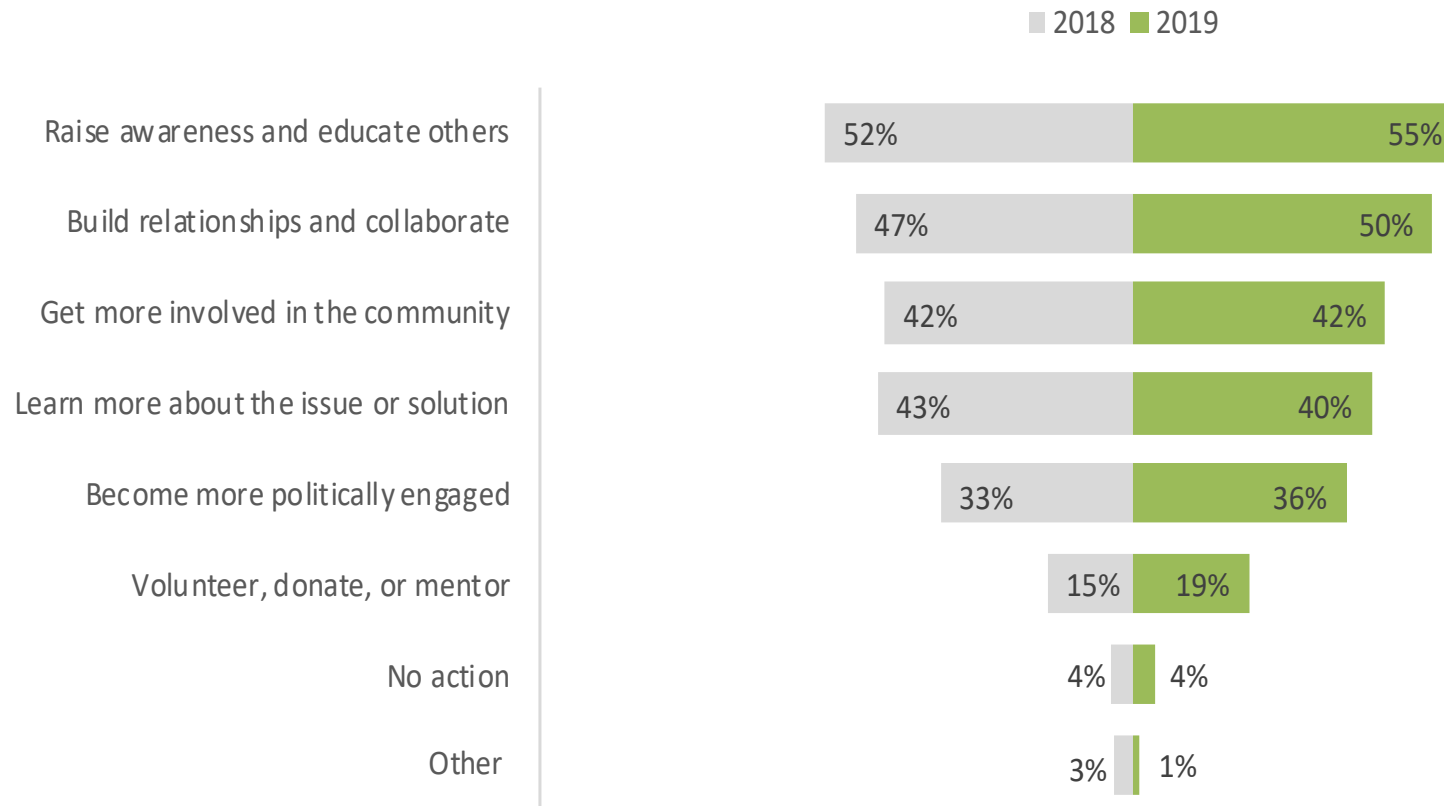
Qualitative Analysis:

- High school:
 - Mental Health
 - Spaces and activities for youth
 - Affordability
- For adults:
 - Navigating development while maintaining Franklin's character



What Do Participants View as Next Steps?

Next steps participants were likely to take on an issue focused on education and relationships.



Tabulation of Bids*

Purchasing Office Solicitation No.:		2020-017 (Holiday Court sewer system improvements)	
Notice to Bidders published in the <i>Williamson Herald</i> on:		1/2/20	
Number of vendors that were notified of / that responded to this solicitation for bids:		7 / 3	
Date and time bids due and publicly opened:		2/4/20 2:00 PM	
Present at opening of bids:		Steve Lewis of W&O Construction; Tristan Carroll of Middle Tennessee Infrastructure, Inc.; Donna Vitrao of Civil Constructors, LLC; Brian Goodwin and Michelle Hatcher of the City of Franklin Water Department; and Leslie Pewitt, Suzanne Ward and Brian Wilcox of the City of Franklin Purchasing Office	
Target meeting of BOMA at which recommendation is scheduled to be considered:		3/10/20	
Bids received from:		Bid No.:	Does the bid include all required documents? Total estimated bid price based on specified estimated annual quantities:
Civil Constructors, LLC Todd J. Ketner, Vice President 425 Downs Boulevard Franklin, TN 37064 615-236-9000 t.ketner@civilconstructors.com		1 of 1	Yes \$647,192.20
Middle Tennessee Infrastructure, Inc. Dean Carroll, Secretary 105 Homewood Drive Murfreesboro, TN 37127 615-428-7780 midtni@comcast.net		1 of 1	Yes \$554,057.40
W & O Construction, Inc. Timothy C. Huddleston, Vice President 150 Construction Drive PO Box 239 Livingston, TN 38570 931-403-1000 thuddleston@wocc.com		1 of 1	Yes \$634,434.00

*Shaded bid is apparent lowest responsive bid

AGREEMENT BETWEEN OWNER AND CONTRACTOR FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)

This Agreement is by and between City of Franklin, Tennessee ("Owner") and

Middle Tennessee Infrastructure, Inc. ("Contractor").

Terms used in this Agreement have the meanings stated in the General Conditions and the Supplementary Conditions.

Owner and Contractor hereby agree as follows:

ARTICLE 1—WORK

1.01 CONTRACTOR SHALL COMPLETE ALL WORK AS SPECIFIED OR INDICATED IN THE CONTRACT DOCUMENTS. THE WORK IS GENERALLY DESCRIBED AS FOLLOWS:

The Holiday Inn Court Sewer Improvement Project consists of the demolition of a existing "can" type pump station and replaced with a duplex non-clog submersible pump station and 9'-2" deep wet well all other appurtenances as more clearly defined in the contract drawings. Some gravity piping and a additional manhole will be constructed along with 1000 LF of 6" pressure class 350 DIP restrained joint with Protecto 401 Lining. Pavement repair and Erosion and Sediment Control will also be necessary in the project.

ARTICLE 2—THE PROJECT

2.01 The Project, of which the Work under the Contract Documents is a part, is generally described as follows: Sewer improvements consisting of the replacement of an existing sanitary sewer lift station and new force main extension and all related work.

ARTICLE 3—ENGINEER

3.01 The Franklin Water Management Department ("Engineer"), a department of the Owner, is to assume all duties and responsibilities of Engineer, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

3.02 The part of the Project that pertains to the Work has been designed by **Heathcoat/Davis Engineers**.

ARTICLE 4—CONTRACT TIMES

4.01 *Time is of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.03 *Contract Times: Days*

A. The Work will be substantially complete within **180** days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and

completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within **210** days after the date when the Contract Times commence to run.

4.05 *Liquidated Damages*

- A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial and other losses if the Work is not completed and Milestones not achieved within the Contract Times, as duly modified. The parties also recognize the delays, expense, and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty):
 - 1. *Substantial Completion*: Contractor shall pay Owner \$500.00 for each day that expires after the time (as duly adjusted pursuant to the Contract) specified above for Substantial Completion, until the Work is substantially complete.
 - 2. *Completion of Remaining Work*: After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times (as duly adjusted pursuant to the Contract) for completion and readiness for final payment, Contractor shall pay Owner \$750.00 for each day that expires after such time until the Work is completed and ready for final payment.
 - 3. Liquidated damages for failing to timely attain Substantial Completion, and final completion are not additive, and will not be imposed concurrently.
- B. If Owner recovers liquidated damages for a delay in completion by Contractor, then such liquidated damages are Owner's sole and exclusive remedy for such delay, and Owner is precluded from recovering any other damages, whether actual, direct, excess, or consequential, for such delay, except for special damages (if any) specified in this Agreement.

4.06 *Special Damages*

- A. Contractor shall reimburse Owner (1) for any fines or penalties imposed on Owner as a direct result of the Contractor's failure to attain Substantial Completion according to the Contract Times, and (2) for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Substantial Completion (as duly adjusted pursuant to the Contract), until the Work is substantially complete.
- B. After Contractor achieves Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Times, Contractor shall reimburse Owner for the actual costs reasonably incurred by Owner for engineering, construction observation, inspection, and administrative services needed after the time specified in Paragraph 4.02 for Work to be completed and ready for final payment (as duly adjusted pursuant to the Contract), until the Work is completed and ready for final payment.
- C. The special damages imposed in this paragraph are supplemental to any liquidated damages for delayed completion established in this Agreement.

ARTICLE 5—CONTRACT PRICE

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents, the amounts that follow, subject to adjustment under the Contract:

A. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ARTICLE 6—PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

A. Contractor shall submit Applications for Payment in accordance with Article 15 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

A. Owner shall make progress payments on the basis of Contractor's Applications for Payment on or about the **[ordinal number, such as 5th]** day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below, provided that such Applications for Payment have been submitted in a timely manner and otherwise meet the requirements of the Contract. All such payments will be measured by the Schedule of Values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no Schedule of Values, as provided elsewhere in the Contract.

1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract.

a. **Ninety-five** percent of the value of the Work completed (with the balance being retainage).

b. **Ninety-Five** percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

6.03 *Final Payment*

A. Upon final completion and acceptance of the Work, Owner shall pay the remainder of the Contract Price in accordance with Paragraph 15.06 of the General Conditions.

ARTICLE 7—CONTRACT DOCUMENTS

7.01 *Contents*

A. The Contract Documents consist of all of the following:

1. This Agreement.

2. Bonds:

a. Performance bond (together with power of attorney).

b. Payment bond (together with power of attorney).

3. General Conditions.
 4. Supplementary Conditions.
 5. Specifications as listed in the table of contents of the project manual (copy of list attached).
 6. Drawings (not attached but incorporated by reference) consisting of **[eight (8)]** sheets (including the cover sheet dated July 6, 2018) with each sheet bearing the following general title: **[SEWER SYSTEM IMPROVEMENTS: REPLACEMENT OF HOLIDAY COURT SEWER PUMP STATION]**.
 7. Addenda (numbers **[1]** to **[3]**, inclusive)
 9. Exhibits to this Agreement (enumerated as follows):
 - a. Contractor's Bid (pages C-00410-1 to C-00410-7, inclusive).
 - b. Documentation submitted by Contractor prior to Notice of Award (not applicable).
 - c. Notice of Award
 - d. Contractor Safety Information (pages C-00452-5 to C-00452-8)
 - e. Acknowledgement of Receipt of City of Franklin Contractor Safety Program (page C-00452-9).
 - f. Conflict of Interest Statement (page C-00453-1).
 - g. Drug-Free Workplace Affidavit (page C-00454-1).
 - h. Contractor's Attestation Regarding Illegal Immigrants or Aliens (page C-00455-1).
 - i. Iran Divestment Act Certification (page C-00456-1).
 10. The following which may be delivered or issued on or after the Effective Date of the Contract and are not attached hereto:
 - a. Notice to Proceed.
 - b. Work Change Directives.
 - c. Change Orders.
 - d. Field Orders.
 - e. Warranty Bond, if any.
- B. The Contract Documents listed in Paragraph 7.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 7.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in the Contract.

ARTICLE 8—REPRESENTATIONS, CERTIFICATIONS, AND STIPULATIONS**8.01 Contractor's Representations**

- A. In order to induce Owner to enter into this Contract, Contractor makes the following representations:
1. Contractor has examined and carefully studied the Contract Documents, including Addenda.
 2. Contractor has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Contractor is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Contractor has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 5. Contractor has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 6. Contractor has considered the information known to Contractor itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor; and (c) Contractor's safety precautions and programs.
 7. Based on the information and observations referred to in the preceding paragraph, Contractor agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
 8. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
 9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
 10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

11. Contractor's entry into this Contract constitutes an incontrovertible representation by Contractor that without exception all prices in the Agreement are premised upon performing and furnishing the Work required by the Contract Documents.

8.02 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 8.02:
 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

8.03 *Standard General Conditions*

- A. Owner stipulates that if the General Conditions that are made a part of this Contract are EJCDC® C-700, Standard General Conditions for the Construction Contract (2018), published by the Engineers Joint Contract Documents Committee, and if Owner is the party that has furnished said General Conditions, then Owner has plainly shown all modifications to the standard wording of such published document to the Contractor, through a process such as highlighting or "track changes" (redline/strikeout), or in the Supplementary Conditions.

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement.

This Agreement will be effective on [] (which is the Effective Date of the Contract).

Owner:

CITY OF FRANKLIN, TN

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name:

Eric S. Stuckey

(typed or printed)

Title:

City Administrator

(typed or printed)

Attest:

(individual's signature)

Title:

(typed or printed)

Address for giving notices:

Franklin Water Management Department

124 Lumber Drive

Franklin, TN 37064

Designated Representative:

Name: Brian C. Goodwin, PE

(typed or printed)

Title:

Asst. Dir., Water Management Dept.

(typed or printed)

Address:

124 Lumber Drive

Franklin, TN 37064

Phone:

615-794-4554

Email:

brian.goodwin@franklintn.gov

(If [Type of Entity] is a corporation, attach evidence of authority to sign. If [Type of Entity] is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Contractor:

Middle Tennessee Infrastructure, Inc.

(typed or printed name of organization)

By:

(individual's signature)

Date:

(date signed)

Name:

(typed or printed)

Title:

(typed or printed)

(If [Type of Entity] is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

(individual's signature)

Title:

(typed or printed)

Address for giving notices:

105 Homewood Drive

Murfreesboro, TN 37127

Designated Representative:

Name:

(typed or printed)

Title:

(typed or printed)

Address:

105 Homewood Drive

Murfreesboro, TN 37127

Phone:

Email:

midtni@comcast.net

License No.:

64711

(where applicable)

State:

Tennessee

SECTION C-610**PERFORMANCE BOND**

Contractor Name: Address <i>(principal place of business)</i> :	Surety Name: Address <i>(principal place of business)</i> :
Owner Name: City of Franklin Mailing address: 103 3rd Avenue South Franklin, TN 37064	Contract Description <i>(name and location)</i> : HOLIDAY CT. SEWER IMPROVEMENTS, Franklin, Tennessee Contract Price: [Amount from Contract] Effective Date of Contract:
Bond Bond Amount: [Amount] Date of Bond: <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☒ None ☐ See Paragraph 16	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Performance Bond, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
<i>(Full formal name of Contractor)</i>	<i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature)(Attach Power of Attorney)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____ <i>(Signature)</i>	Attest: _____ <i>(Signature)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
<i>Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.</i>	

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1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.
 2. If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Paragraph 3.
 3. If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond will arise after:
 - 3.1. The Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice may indicate whether the Owner is requesting a conference among the Owner, Contractor, and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Paragraph 3.1 will be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor, and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement does not waive the Owner's right, if any, subsequently to declare a Contractor Default;
 - 3.2. The Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and
 - 3.3. The Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.
 4. Failure on the part of the Owner to comply with the notice requirement in Paragraph 3.1 does not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.
 5. When the Owner has satisfied the conditions of Paragraph 3, the Surety shall promptly and at the Surety's expense take one of the following actions:
 - 5.1. Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;
 - 5.2. Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;
 - 5.3. Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owners concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or
 - 5.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:
-

- 5.4.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
 - 5.4.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.
- 6. If the Surety does not proceed as provided in Paragraph 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Paragraph 5.4, and the Owner refuses the payment, or the Surety has denied liability, in whole or in part, without further notice, the Owner shall be entitled to enforce any remedy available to the Owner.
- 7. If the Surety elects to act under Paragraph 5.1, 5.2, or 5.3, then the responsibilities of the Surety to the Owner will not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety will not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication for:
 - 7.1. the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
 - 7.2. additional legal, design professional, and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 5; and
 - 7.3. liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.
- 8. If the Surety elects to act under Paragraph 5.1, 5.3, or 5.4, the Surety's liability is limited to the amount of this Bond.
- 9. The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price will not be reduced or set off on account of any such unrelated obligations. No right of action will accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.
- 10. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
- 11. Any proceeding, legal or equitable, under this Bond must be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and must be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum periods of limitations available to sureties as a defense in the jurisdiction of the suit will be applicable.
- 12. Notice to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears.
- 13. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted therefrom and provisions conforming to such

statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.

14. Definitions

14.1. *Balance of the Contract Price*—The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made including allowance for the Contractor for any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

14.2. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

14.3. *Contractor Default*—Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

14.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

14.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.

15. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.

16. Modifications to this Bond are as follows: None

SECTION C-615**PAYMENT BOND**

Contractor Name: Address <i>(principal place of business)</i> :	Surety Name: Address <i>(principal place of business)</i> :
Owner Name: City of Franklin Mailing address: 103 3rd Avenue South Franklin, TN 37064	Contract Description <i>(name and location)</i> : HOLIDAY CT. SEWER IMPROVEMENTS, Franklin, Tennessee Contract Price: [Amount, from Contract] Effective Date of Contract:
Bond Bond Amount: [Amount] Date of Bond: <i>(Date of Bond cannot be earlier than Effective Date of Contract)</i> Modifications to this Bond form: ☒ None ☐ See Paragraph 18	
Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth in this Payment Bond, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.	
Contractor as Principal	Surety
<i>(Full formal name of Contractor)</i>	<i>(Full formal name of Surety) (corporate seal)</i>
By: _____ <i>(Signature)</i>	By: _____ <i>(Signature)(Attach Power of Attorney)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
Attest: _____ <i>(Signature)</i>	Attest: _____ <i>(Signature)</i>
Name: _____ <i>(Printed or typed)</i>	Name: _____ <i>(Printed or typed)</i>
Title: _____	Title: _____
<i>Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party is considered plural where applicable.</i>	

1. The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the Owner to pay for labor, materials, and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.
2. If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies, and holds harmless the Owner from claims, demands, liens, or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.
3. If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond will arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Paragraph 13) of claims, demands, liens, or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Contract, and tendered defense of such claims, demands, liens, or suits to the Contractor and the Surety.
4. When the Owner has satisfied the conditions in Paragraph 3, the Surety shall promptly and at the Surety's expense defend, indemnify, and hold harmless the Owner against a duly tendered claim, demand, lien, or suit.
5. The Surety's obligations to a Claimant under this Bond will arise after the following:
 - 5.1. Claimants who do not have a direct contract with the Contractor
 - 5.1.1. have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
 - 5.1.2. have sent a Claim to the Surety (at the address described in Paragraph 13).
 - 5.2. Claimants who are employed by or have a direct contract with the Contractor have sent a Claim to the Surety (at the address described in Paragraph 13).
6. If a notice of non-payment required by Paragraph 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Paragraph 5.1.1.
7. When a Claimant has satisfied the conditions of Paragraph 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:
 - 7.1. Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and
 - 7.2. Pay or arrange for payment of any undisputed amounts.
 - 7.3. The Surety's failure to discharge its obligations under Paragraph 7.1 or 7.2 will not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Paragraph 7.1 or 7.2, the Surety

shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

8. The Surety's total obligation will not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Paragraph 7.3, and the amount of this Bond will be credited for any payments made in good faith by the Surety.
9. Amounts owed by the Owner to the Contractor under the Construction Contract will be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfying obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.
10. The Surety shall not be liable to the Owner, Claimants, or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to or give notice on behalf of Claimants, or otherwise have any obligations to Claimants under this Bond.
11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action will be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit will be applicable.
13. Notice and Claims to the Surety, the Owner, or the Contractor must be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, will be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement will be deemed deleted here from and provisions conforming to such statutory or other legal requirement will be deemed incorporated herein. When so furnished, the intent is that this Bond will be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.
16. Definitions
 - 16.1. *Claim*—A written statement by the Claimant including at a minimum:
 - 16.1.1. The name of the Claimant;
 - 16.1.2. The name of the person for whom the labor was done, or materials or equipment furnished;

- 16.1.3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
 - 16.1.4. A brief description of the labor, materials, or equipment furnished;
 - 16.1.5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
 - 16.1.6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
 - 16.1.7. The total amount of previous payments received by the Claimant; and
 - 16.1.8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.
- 16.2. *Claimant*—An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond is to include without limitation in the terms of "labor, materials, or equipment" that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
- 16.3. *Construction Contract*—The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.
- 16.4. *Owner Default*—Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.
- 16.5. *Contract Documents*—All the documents that comprise the agreement between the Owner and Contractor.
17. If this Bond is issued for an agreement between a contractor and subcontractor, the term Contractor in this Bond will be deemed to be Subcontractor and the term Owner will be deemed to be Contractor.
18. Modifications to this Bond are as follows: None

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

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STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
 2. *Agreement*—The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.
 3. *Application for Payment*—The document prepared by Contractor, in a form acceptable to Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
 4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
 5. *Bidder*—An individual or entity that submits a Bid to Owner.
 6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.
 7. *Bidding Requirements*—The Advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.
 8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.
 9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment in Contract Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; challenging a set-off against payments due; or seeking other relief with respect to the terms of the Contract.
 10. *Claim*
 - a. A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment of Contract

- Price or Contract Times; contesting an initial decision by Engineer concerning the requirements of the Contract Documents or the acceptability of Work under the Contract Documents; contesting Engineer's decision regarding a Change Proposal; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract.
- b. A demand or assertion by Contractor directly to Owner, duly submitted in compliance with the procedural requirements set forth herein, contesting Engineer's decision regarding a Change Proposal, or seeking resolution of a contractual issue that Engineer has declined to address.
 - c. A demand or assertion by Owner or Contractor, duly submitted in compliance with the procedural requirements set forth herein, made pursuant to Paragraph 12.01.A.4, concerning disputes arising after Engineer has issued a recommendation of final payment.
 - d. A demand for money or services by a third party is not a Claim.
11. *Constituent of Concern*—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), lead-based paint (as defined by the HUD/EPA standard), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to Laws and Regulations regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.
12. *Contract*—The entire and integrated written contract between Owner and Contractor concerning the Work.
13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract.
14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents.
15. *Contract Times*—The number of days or the dates by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work.
16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work.
17. *Cost of the Work*—See Paragraph 13.01 for definition.
18. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor.
19. *Effective Date of the Contract*—The date, indicated in the Agreement, on which the Contract becomes effective.
20. *Electronic Document*—Any Project-related correspondence, attachments to correspondence, data, documents, drawings, information, or graphics, including but not limited to Shop Drawings and other Submittals, that are in an electronic or digital format.
21. *Electronic Means*—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions,

including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.

22. *Engineer*—The individual or entity named as such in the Agreement.
23. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.
24. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.
 - a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.
 - b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.
 - c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.
25. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
26. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.
27. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date, or by a time prior to Substantial Completion of all the Work.
28. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid.
29. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.
30. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract.
31. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor's plan to accomplish the Work within the Contract Times.

32. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.
33. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative (RPR) includes any assistants or field staff of Resident Project Representative.
34. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.
35. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer's review of the submittals.
36. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
37. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.
38. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.
39. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.
40. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.
41. *Submittal*—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers' instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Proposals, Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.
42. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part

thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion of such Work.

43. *Successful Bidder*—The Bidder to which the Owner makes an award of contract.
44. *Supplementary Conditions*—The part of the Contract that amends or supplements these General Conditions.
45. *Supplier*—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.
46. *Technical Data*
- a. Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (1) existing subsurface conditions at or adjacent to the Site, or existing physical conditions at or adjacent to the Site including existing surface or subsurface structures (except Underground Facilities) or (2) Hazardous Environmental Conditions at the Site.
 - b. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then Technical Data is defined, with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06, as the data contained in boring logs, recorded measurements of subsurface water levels, assessments of the condition of subsurface facilities, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical, environmental, or other Site or facilities conditions report prepared for the Project and made available to Contractor.
 - c. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data, and instead Underground Facilities are shown or indicated on the Drawings.
47. *Underground Facilities*—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water, other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.
48. *Unit Price Work*—Work to be paid for on the basis of unit prices.
49. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

50. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work.

1.02 *Terminology*

- A. The words and terms discussed in Paragraphs 1.02.B, C, D, and E are not defined terms that require initial capital letters, but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.
- B. *Intent of Certain Terms or Adjectives*: The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.
- C. *Day*: The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.
- D. *Defective*: The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
 - 1. does not conform to the Contract Documents;
 - 2. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
 - 3. has been damaged prior to Engineer’s recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or Paragraph 15.04).
- E. *Furnish, Install, Perform, Provide*
 - 1. The word “furnish,” when used in connection with services, materials, or equipment, means to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.
 - 2. The word “install,” when used in connection with services, materials, or equipment, means to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
 - 3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, means to furnish and install said services, materials, or equipment complete and ready for intended use.

4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words “furnish,” “install,” “perform,” or “provide,” then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.
- F. *Contract Price or Contract Times*: References to a change in “Contract Price or Contract Times” or “Contract Times or Contract Price” or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term “or both” is not expressed.
- G. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2—PRELIMINARY MATTERS

2.01 *Delivery of Performance and Payment Bonds; Evidence of Insurance*

- A. *Performance and Payment Bonds*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner the performance bond and payment bond (if the Contract requires Contractor to furnish such bonds).
- B. *Evidence of Contractor’s Insurance*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner, with copies to each additional insured (as identified in the Contract), the certificates, endorsements, and other evidence of insurance required to be provided by Contractor in accordance with Article 6, except to the extent the Supplementary Conditions expressly establish other dates for delivery of specific insurance policies.
- C. *Evidence of Owner’s Insurance*: After receipt of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor, with copies to each additional insured (as identified in the Contract), the certificates and other evidence of insurance required to be provided by Owner under Article 6.

2.02 *Copies of Documents*

- A. Owner shall furnish to Contractor four printed copies of the Contract (including one fully signed counterpart of the Agreement), and one copy in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.
- B. Owner shall maintain and safeguard at least one original printed record version of the Contract, including Drawings and Specifications signed and sealed by Engineer and other design professionals. Owner shall make such original printed record version of the Contract available to Contractor for review. Owner may delegate the responsibilities under this provision to Engineer.

2.03 *Before Starting Construction*

- A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Contract (or as otherwise required by the Contract Documents), Contractor shall submit to Engineer for timely review:
1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract;
 2. a preliminary Schedule of Submittals; and
 3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.04 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

2.05 *Acceptance of Schedules*

- A. At least 10 days before submission of the first Application for Payment a conference, attended by Contractor, Engineer, and others as appropriate, will be held to review the schedules submitted in accordance with Paragraph 2.03.A. No progress payment will be made to Contractor until acceptable schedules are submitted to Engineer.
1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
 2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.
 3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work.
 4. If a schedule is not acceptable, Contractor will have an additional 10 days to revise and resubmit the schedule.

2.06 *Electronic Transmittals*

- A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.
- B. If the Contract does not establish protocols for Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.
- C. Subject to any governing protocols for Electronic Means, when transmitting Electronic Documents by Electronic Means, the transmitting party makes no representations as to long-term compatibility, usability, or readability of the Electronic Documents resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the Electronic Documents.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 *Intent*

- A. The Contract Documents are complementary; what is required by one Contract Document is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents.
- C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic versions of the Contract Documents (including any printed copies derived from such electronic versions) and the printed record version, the printed record version will govern.
- D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.
- E. Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.
- F. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation will be deemed stricken, and all remaining provisions will continue to be valid and binding upon Owner and Contractor, which agree that the Contract Documents will be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.
- G. Nothing in the Contract Documents creates:
 - 1. any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity; or
 - 2. any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity, except as may otherwise be required by Laws and Regulations.

3.02 *Reference Standards*

A. *Standards Specifications, Codes, Laws and Regulations*

1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, means the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, Contractor, or Engineer from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner or Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies*

1. *Contractor's Verification of Figures and Field Measurements:* Before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.
2. *Contractor's Review of Contract Documents:* If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.
3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer take precedence in

resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:

- a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or
- b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Requirements of the Contract Documents*

- A. During the performance of the Work and until final payment, Contractor and Owner shall submit to the Engineer in writing all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work.
- B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal, and on Owner, unless it appeals by filing a Claim.
- C. If a submitted matter in question concerns terms and conditions of the Contract Documents that do not involve (1) the performance or acceptability of the Work under the Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly notify Owner and Contractor in writing that Engineer is unable to provide a decision or interpretation. If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

- A. Contractor and its Subcontractors and Suppliers shall not:
 1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media versions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or
 2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein precludes Contractor from retaining copies of the Contract Documents for record purposes.

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the 30th day after the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the 60th day after the day of Bid opening or the 30th day after the Effective Date of the Contract, whichever date is earlier.

4.02 *Starting the Work*

- A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work may be done at the Site prior to such date.

4.03 *Reference Points*

- A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.04 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.05 as it may be adjusted from time to time as provided below.
 - 1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.05) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times.
 - 2. Proposed adjustments in the Progress Schedule that will change the Contract Times must be submitted in accordance with the requirements of Article 11.
- B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work will be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

4.05 *Delays in Contractor's Progress*

- A. If Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.
- B. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption,

and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.

- C. If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:
 - 1. Severe and unavoidable natural catastrophes such as fires, floods, epidemics, and earthquakes;
 - 2. Abnormal weather conditions;
 - 3. Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the Site as arranged by or under contract with Owner, as contemplated in Article 8); and
 - 4. Acts of war or terrorism.
- D. Contractor's entitlement to an adjustment of Contract Times or Contract Price is limited as follows:
 - 1. Contractor's entitlement to an adjustment of the Contract Times is conditioned on the delay, disruption, or interference adversely affecting an activity on the critical path to completion of the Work, as of the time of the delay, disruption, or interference.
 - 2. Contractor shall not be entitled to an adjustment in Contract Price for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor. Such a concurrent delay by Contractor shall not preclude an adjustment of Contract Times to which Contractor is otherwise entitled.
 - 3. Adjustments of Contract Times or Contract Price are subject to the provisions of Article 11.
- E. Each Contractor request or Change Proposal seeking an increase in Contract Times or Contract Price must be supplemented by supporting data that sets forth in detail the following:
 - 1. The circumstances that form the basis for the requested adjustment;
 - 2. The date upon which each cause of delay, disruption, or interference began to affect the progress of the Work;
 - 3. The date upon which each cause of delay, disruption, or interference ceased to affect the progress of the Work;
 - 4. The number of days' increase in Contract Times claimed as a consequence of each such cause of delay, disruption, or interference; and
 - 5. The impact on Contract Price, in accordance with the provisions of Paragraph 11.07.

Contractor shall also furnish such additional supporting documentation as Owner or Engineer may require including, where appropriate, a revised progress schedule indicating all the activities affected by the delay, disruption, or interference, and an explanation of the effect of the delay, disruption, or interference on the critical path to completion of the Work.

- F. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5, together with the provisions of Paragraphs 4.05.D and 4.05.E.
- G. Paragraph 8.03 addresses delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.

ARTICLE 5—SITE; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor in writing of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which permanent improvements are to be made and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.
- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

5.02 *Use of Site and Other Areas*

A. *Limitation on Use of Site and Other Areas*

- 1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas, or to improvements, structures, utilities, or similar facilities located at such adjacent lands or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.
- 2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b)

promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.

- B. *Removal of Debris During Performance of the Work:* During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris will conform to applicable Laws and Regulations.
- C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.
- D. *Loading of Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

5.03 *Subsurface and Physical Conditions*

- A. *Reports and Drawings:* The Supplementary Conditions identify:
 - 1. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data;
 - 2. Those drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data; and
 - 3. Technical Data contained in such reports and drawings.
- B. *Underground Facilities:* Underground Facilities are shown or indicated on the Drawings, pursuant to Paragraph 5.05, and not in the drawings referred to in Paragraph 5.03.A. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data.
- C. *Reliance by Contractor on Technical Data:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b.

D. *Limitations of Other Data and Documents:* Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings;
3. the contents of other Site-related documents made available to Contractor, such as record drawings from other projects at or adjacent to the Site, or Owner's archival documents concerning the Site; or
4. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

5.04 *Differing Subsurface or Physical Conditions*

A. *Notice by Contractor:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed at the Site:

1. is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely as provided in Paragraph 5.03 is materially inaccurate;
2. is of such a nature as to require a change in the Drawings or Specifications;
3. differs materially from that shown or indicated in the Contract Documents; or
4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

B. *Engineer's Review:* After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question; determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise Owner in writing of Engineer's findings, conclusions, and recommendations.

- C. *Owner's Statement to Contractor Regarding Site Condition:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.
- D. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- E. *Possible Price and Times Adjustments*
 - 1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. Such condition must fall within any one or more of the categories described in Paragraph 5.04.A;
 - b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03; and,
 - c. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E.
 - 2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:
 - a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;
 - b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or
 - c. Contractor failed to give the written notice required by Paragraph 5.04.A.
 - 3. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
 - 4. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.

- F. *Underground Facilities; Hazardous Environmental Conditions*: Paragraph 5.05 governs rights and responsibilities regarding the presence or location of Underground Facilities. Paragraph 5.06 governs rights and responsibilities regarding Hazardous Environmental Conditions. The provisions of Paragraphs 5.03 and 5.04 are not applicable to the presence or location of Underground Facilities, or to Hazardous Environmental Conditions.

5.05 *Underground Facilities*

- A. *Contractor's Responsibilities*: Unless it is otherwise expressly provided in the Supplementary Conditions, the cost of all of the following are included in the Contract Price, and Contractor shall have full responsibility for:
1. reviewing and checking all information and data regarding existing Underground Facilities at the Site;
 2. complying with applicable state and local utility damage prevention Laws and Regulations;
 3. verifying the actual location of those Underground Facilities shown or indicated in the Contract Documents as being within the area affected by the Work, by exposing such Underground Facilities during the course of construction;
 4. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and
 5. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.
- B. *Notice by Contractor*: If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated on the Drawings, or was not shown or indicated on the Drawings with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing regarding such Underground Facility.
- C. *Engineer's Review*: Engineer will:
1. promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy;
 2. identify and communicate with the owner of the Underground Facility; prepare recommendations to Owner (and if necessary issue any preliminary instructions to Contractor) regarding the Contractor's resumption of Work in connection with the Underground Facility in question;
 3. obtain any pertinent cost or schedule information from Contractor; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and
 4. advise Owner in writing of Engineer's findings, conclusions, and recommendations.

During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

- D. *Owner's Statement to Contractor Regarding Underground Facility:* After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the Underground Facility in question addressing the resumption of Work in connection with such Underground Facility, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations in whole or in part.
- E. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the Underground Facility may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the Underground Facility in question and conditions affected by its presence have been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.
- F. *Possible Price and Times Adjustments*
1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, to the extent that any existing Underground Facility at the Site that was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
 - a. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;
 - b. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E; and
 - c. Contractor gave the notice required in Paragraph 5.05.B.
 2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.
 3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Owner's issuance of the Owner's written statement to Contractor regarding the Underground Facility in question.
 4. The information and data shown or indicated on the Drawings with respect to existing Underground Facilities at the Site is based on information and data (a) furnished by the owners of such Underground Facilities, or by others, (b) obtained from available records, or (c) gathered in an investigation conducted in accordance with the current edition of ASCE 38, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data, by the American Society of Civil Engineers. If such information or data is incorrect or incomplete, Contractor's remedies are limited to those set forth in this Paragraph 5.05.F.

5.06 *Hazardous Environmental Conditions at Site*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site;
2. drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and
3. Technical Data contained in such reports and drawings.

B. *Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.

D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.

E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely

- obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.
- F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.
- G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, as a result of such Work stoppage, such special conditions under which Work is agreed to be resumed by Contractor, or any costs or expenses incurred in response to the Hazardous Environmental Condition, then within 30 days of Owner's written notice regarding the resumption of Work, Contractor may submit a Change Proposal, or Owner may impose a set-off. Entitlement to any such adjustment is subject to the provisions of Paragraphs 4.05.D, 4.05.E, 11.07, and 11.08.
- H. If, after receipt of such written notice, Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.
- I. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.I obligates Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- J. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J obligates Contractor to

indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

- K. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 6—BONDS AND INSURANCE

6.01 *Performance, Payment, and Other Bonds*

- A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to the Contract Price, as security for the faithful performance and payment of Contractor's obligations under the Contract. These bonds must remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 15.08, whichever is later, except as provided otherwise by Laws or Regulations, the terms of a prescribed bond form, the Supplementary Conditions, or other provisions of the Contract.
- B. Contractor shall also furnish such other bonds (if any) as are required by the Supplementary Conditions or other provisions of the Contract.
- C. All bonds must be in the form included in the Bidding Documents or otherwise specified by Owner prior to execution of the Contract, except as provided otherwise by Laws or Regulations, and must be issued and signed by a surety named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Department Circular 570 (as amended and supplemented) by the Bureau of the Fiscal Service, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority must show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond.
- D. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue bonds in the required amounts.
- E. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer in writing and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which must comply with the bond and surety requirements above.
- F. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.
- G. Upon request to Owner from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Owner shall provide a copy of the payment bond to such person or entity.
- H. Upon request to Contractor from any Subcontractor, Supplier, or other person or entity claiming to have furnished labor, services, materials, or equipment used in the performance of the Work, Contractor shall provide a copy of the payment bond to such person or entity.

6.02 *Insurance—General Provisions*

- A. Owner and Contractor shall obtain and maintain insurance as required in this article and in the Supplementary Conditions.
- B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized in the state or jurisdiction in which the Project is located to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, all companies that provide insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.
- C. Alternative forms of insurance coverage, including but not limited to self-insurance and “Occupational Accident and Excess Employer’s Indemnity Policies,” are not sufficient to meet the insurance requirements of this Contract, unless expressly allowed in the Supplementary Conditions.
- D. Contractor shall deliver to Owner, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Contractor has obtained and is maintaining the policies and coverages required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, full disclosure of all relevant exclusions, and evidence of insurance required to be purchased and maintained by Subcontractors or Suppliers. In any documentation furnished under this provision, Contractor, Subcontractors, and Suppliers may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those applicable to this Contract.
- E. Owner shall deliver to Contractor, with copies to each additional insured identified in the Contract, certificates of insurance and endorsements establishing that Owner has obtained and is maintaining the policies and coverages required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies, documentation of applicable self-insured retentions (if allowed) and deductibles, and full disclosure of all relevant exclusions. In any documentation furnished under this provision, Owner may block out (redact) (1) any confidential premium or pricing information and (2) any wording specific to a project or jurisdiction other than those relevant to this Contract.
- F. Failure of Owner or Contractor to demand such certificates or other evidence of the other party’s full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency in compliance from the evidence provided, will not be construed as a waiver of the other party’s obligation to obtain and maintain such insurance.
- G. In addition to the liability insurance required to be provided by Contractor, the Owner, at Owner’s option, may purchase and maintain Owner’s own liability insurance. Owner’s liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner’s liability policies for any of Contractor’s obligations to the Owner, Engineer, or third parties.

H. Contractor shall require:

1. Subcontractors to purchase and maintain worker's compensation, commercial general liability, and other insurance that is appropriate for their participation in the Project, and to name as additional insureds Owner and Engineer (and any other individuals or entities identified in the Supplementary Conditions as additional insureds on Contractor's liability policies) on each Subcontractor's commercial general liability insurance policy; and
 2. Suppliers to purchase and maintain insurance that is appropriate for their participation in the Project.
- I. If either party does not purchase or maintain the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.
- J. If Contractor has failed to obtain and maintain required insurance, Contractor's entitlement to enter or remain at the Site will end immediately, and Owner may impose an appropriate set-off against payment for any associated costs (including but not limited to the cost of purchasing necessary insurance coverage), and exercise Owner's termination rights under Article 16.
- K. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect (but is in no way obligated) to obtain equivalent insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price will be adjusted accordingly.
- L. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests. Contractor is responsible for determining whether such coverage and limits are adequate to protect its interests, and for obtaining and maintaining any additional insurance that Contractor deems necessary.
- M. The insurance and insurance limits required herein will not be deemed as a limitation on Contractor's liability, or that of its Subcontractors or Suppliers, under the indemnities granted to Owner and other individuals and entities in the Contract or otherwise.
- N. All the policies of insurance required to be purchased and maintained under this Contract will contain a provision or endorsement that the coverage afforded will not be canceled, or renewal refused, until at least 10 days prior written notice has been given to the purchasing policyholder. Within three days of receipt of any such written notice, the purchasing policyholder shall provide a copy of the notice to each other insured and Engineer.

6.03 *Contractor's Insurance*

- A. *Required Insurance:* Contractor shall purchase and maintain Worker's Compensation, Commercial General Liability, and other insurance pursuant to the specific requirements of the Supplementary Conditions.
- B. *General Provisions:* The policies of insurance required by this Paragraph 6.03 as supplemented must:
1. include at least the specific coverages required;

2. be written for not less than the limits provided, or those required by Laws or Regulations, whichever is greater;
 3. remain in effect at least until the Work is complete (as set forth in Paragraph 15.06.D), and longer if expressly required elsewhere in this Contract, and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract;
 4. apply with respect to the performance of the Work, whether such performance is by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable; and
 5. include all necessary endorsements to support the stated requirements.
- C. *Additional Insureds*: The Contractor's commercial general liability, automobile liability, employer's liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies, if required by this Contract, must:
1. include and list as additional insureds Owner and Engineer, and any individuals or entities identified as additional insureds in the Supplementary Conditions;
 2. include coverage for the respective officers, directors, members, partners, employees, and consultants of all such additional insureds;
 3. afford primary coverage to these additional insureds for all claims covered thereby (including as applicable those arising from both ongoing and completed operations);
 4. not seek contribution from insurance maintained by the additional insured; and
 5. as to commercial general liability insurance, apply to additional insureds with respect to liability caused in whole or in part by Contractor's acts or omissions, or the acts and omissions of those working on Contractor's behalf, in the performance of Contractor's operations.

6.04 *Builder's Risk and Other Property Insurance*

- A. *Builder's Risk*: Unless otherwise provided in the Supplementary Conditions, Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the Work's full insurable replacement cost (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). The specific requirements applicable to the builder's risk insurance are set forth in the Supplementary Conditions.
- B. *Property Insurance for Facilities of Owner Where Work Will Occur*: Owner is responsible for obtaining and maintaining property insurance covering each existing structure, building, or facility in which any part of the Work will occur, or to which any part of the Work will attach or be adjoined. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, providing coverage consistent with that required for the builder's risk insurance, and will be maintained until the Work is complete, as set forth in Paragraph 15.06.D.

- C. *Property Insurance for Substantially Complete Facilities:* Promptly after Substantial Completion, and before actual occupancy or use of the substantially completed Work, Owner will obtain property insurance for such substantially completed Work, and maintain such property insurance at least until the Work is complete, as set forth in Paragraph 15.06.D. Such property insurance will be written on a special perils (all-risk) form, on a replacement cost basis, and provide coverage consistent with that required for the builder's risk insurance. The builder's risk insurance may terminate upon written confirmation of Owner's procurement of such property insurance.
- D. *Partial Occupancy or Use by Owner:* If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work, as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will provide advance notice of such occupancy or use to the builder's risk insurer, and obtain an endorsement consenting to the continuation of coverage prior to commencing such partial occupancy or use.
- E. *Insurance of Other Property; Additional Insurance:* If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, then the entity or individual owning such property item will be responsible for insuring it. If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.04, it may do so at Contractor's expense.

6.05 *Property Losses; Subrogation*

- A. The builder's risk insurance policy purchased and maintained in accordance with Paragraph 6.04 (or an installation floater policy if authorized by the Supplementary Conditions), will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors.
 - 1. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils, risks, or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all individuals or entities identified in the Supplementary Conditions as builder's risk or installation floater insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused.
 - 2. None of the above waivers extends to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.
- B. Any property insurance policy maintained by Owner covering any loss, damage, or consequential loss to Owner's existing structures, buildings, or facilities in which any part of the Work will occur, or to which any part of the Work will attach or adjoin; to adjacent structures, buildings, or facilities of Owner; or to part or all of the completed or substantially completed Work, during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to

Paragraph 15.06, will contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any insureds thereunder, or against Contractor, Subcontractors, or Engineer, or the officers, directors, members, partners, employees, agents, consultants, or subcontractors of each and any of them, and that the insured is allowed to waive the insurer's rights of subrogation in a written contract executed prior to the loss, damage, or consequential loss.

1. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from fire or any of the perils, risks, or causes of loss covered by such policies.
- C. The waivers in this Paragraph 6.05 include the waiver of rights due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other insured peril, risk, or cause of loss.
- D. Contractor shall be responsible for assuring that each Subcontract contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Supplementary Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from fire or other peril, risk, or cause of loss covered by builder's risk insurance, installation floater, and any other property insurance applicable to the Work.

6.06 *Receipt and Application of Property Insurance Proceeds*

- A. Any insured loss under the builder's risk and other policies of property insurance required by Paragraph 6.04 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within 15 days after notice of such claim.
- B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.04 shall maintain such proceeds in a segregated account, and distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.
- C. If no other special agreement is reached, Contractor shall repair or replace the damaged Work, using allocated insurance proceeds.

ARTICLE 7—CONTRACTOR’S RESPONSIBILITIES

7.01 *Contractor’s Means and Methods of Construction*

- A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.
- B. If the Contract Documents note, or Contractor determines, that professional engineering or other design services are needed to carry out Contractor’s responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor’s expense. Such services are not Owner-delegated professional design services under this Contract, and neither Owner nor Engineer has any responsibility with respect to (1) Contractor’s determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

7.03 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall maintain good discipline and order at the Site.
- B. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor’s employees; of Suppliers and Subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work, just as Contractor is responsible for Contractor’s own acts and omissions.
- C. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any legal holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, or legal holidays only with Owner’s written consent, which will not be unreasonably withheld.

7.04 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.

- B. All materials and equipment incorporated into the Work must be new and of good quality, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications will expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment must be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.05 *“Or Equals”*

- A. *Contractor’s Request; Governing Criteria:* Whenever an item of equipment or material is specified or described in the Contract Documents by using the names of one or more proprietary items or specific Suppliers, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or “or equal” item is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material, or items from other proposed Suppliers, under the circumstances described below.
 - 1. If Engineer in its sole discretion determines that an item of equipment or material proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer will deem it an “or equal” item. For the purposes of this paragraph, a proposed item of equipment or material will be considered functionally equal to an item so named if:
 - a. in the exercise of reasonable judgment Engineer determines that the proposed item:
 - 1) is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
 - 2) will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;
 - 3) has a proven record of performance and availability of responsive service; and
 - 4) is not objectionable to Owner.
 - b. Contractor certifies that, if the proposed item is approved and incorporated into the Work:
 - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
 - 2) the item will conform substantially to the detailed requirements of the item named in the Contract Documents.
- B. *Contractor’s Expense:* Contractor shall provide all data in support of any proposed “or equal” item at Contractor’s expense.
- C. *Engineer’s Evaluation and Determination:* Engineer will be allowed a reasonable time to evaluate each “or-equal” request. Engineer may require Contractor to furnish additional data about the proposed “or-equal” item. Engineer will be the sole judge of acceptability. No “or-equal” item will be ordered, furnished, installed, or utilized until Engineer’s review is complete

and Engineer determines that the proposed item is an “or-equal,” which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.

- D. *Effect of Engineer’s Determination:* Neither approval nor denial of an “or-equal” request will result in any change in Contract Price. The Engineer’s denial of an “or-equal” request will be final and binding, and may not be reversed through an appeal under any provision of the Contract.
- E. *Treatment as a Substitution Request:* If Engineer determines that an item of equipment or material proposed by Contractor does not qualify as an “or-equal” item, Contractor may request that Engineer consider the item a proposed substitute pursuant to Paragraph 7.06.

7.06 *Substitutes*

- A. *Contractor’s Request; Governing Criteria:* Unless the specification or description of an item of equipment or material required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material under the circumstances described below. To the extent possible such requests must be made before commencement of related construction at the Site.
 - 1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of equipment or material from anyone other than Contractor.
 - 2. The requirements for review by Engineer will be as set forth in Paragraph 7.06.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.
 - 3. Contractor shall make written application to Engineer for review of a proposed substitute item of equipment or material that Contractor seeks to furnish or use. The application:
 - a. will certify that the proposed substitute item will:
 - 1) perform adequately the functions and achieve the results called for by the general design;
 - 2) be similar in substance to the item specified; and
 - 3) be suited to the same use as the item specified.
 - b. will state:
 - 1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times;
 - 2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

- 3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.
 - c. will identify:
 - 1) all variations of the proposed substitute item from the item specified; and
 - 2) available engineering, sales, maintenance, repair, and replacement services.
 - d. will contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.
- B. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the substitution itself and all related impacts, including changes in Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.
- C. *Special Guarantee*: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- D. *Reimbursement of Engineer's Cost*: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.
- E. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute at Contractor's expense.
- F. *Effect of Engineer's Determination*: If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request will be final and binding, and may not be reversed through an appeal under any provision of the Contract. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.06.D, by timely submittal of a Change Proposal.

7.07 *Concerning Subcontractors and Suppliers*

- A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. The Contractor's retention of a Subcontractor or Supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.

- B. Contractor shall retain specific Subcontractors and Suppliers for the performance of designated parts of the Work if required by the Contract to do so.
- C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor or Supplier to furnish or perform any of the Work against which Contractor has reasonable objection.
- D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within 5 days.
- E. Owner may require the replacement of any Subcontractor or Supplier. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors or Suppliers for acceptance by Owner, and Owner has accepted it (either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor or Supplier so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor or Supplier.
- F. If Owner requires the replacement of any Subcontractor or Supplier retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within 30 days of Owner's requirement of replacement.
- G. No acceptance by Owner of any such Subcontractor or Supplier, whether initially or as a replacement, will constitute a waiver of the right of Owner to the completion of the Work in accordance with the Contract Documents.
- H. On a monthly basis, Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal.
- I. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors and Suppliers.
- J. The divisions and sections of the Specifications and the identifications of any Drawings do not control Contractor in dividing the Work among Subcontractors or Suppliers, or in delineating the Work to be performed by any specific trade.
- K. All Work performed for Contractor by a Subcontractor or Supplier must be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract for the benefit of Owner and Engineer.
- L. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor for Work performed for Contractor by the Subcontractor or Supplier.

- M. Contractor shall restrict all Subcontractors and Suppliers from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed in this Contract.

7.08 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.
- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.
- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.09 *Permits*

- A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

7.10 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

7.11 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It is not Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this does not relieve Contractor of its obligations under Paragraph 3.03.
- C. Owner or Contractor may give written notice to the other party of any changes after the submission of Contractor's Bid (or after the date when Contractor became bound under a negotiated contract) in Laws or Regulations having an effect on the cost or time of performance of the Work, including but not limited to changes in Laws or Regulations having an effect on procuring permits and on sales, use, value-added, consumption, and other similar taxes. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times resulting from such changes, then within 30 days of such written notice Contractor may submit a Change Proposal, or Owner may initiate a Claim.

7.12 *Record Documents*

- A. Contractor shall maintain in a safe place at the Site one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. Contractor shall keep such record documents in good order and annotate them to show changes made during construction. These record documents, together with all approved Samples, will be available to Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to Engineer.

7.13 *Safety and Protection*

- A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations.
- B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.
- C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:
 - 1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- D. All damage, injury, or loss to any property referred to in Paragraph 7.13.C.2 or 7.13.C.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).
- E. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection.
- F. Contractor shall notify Owner; the owners of adjacent property; the owners of Underground Facilities and other utilities (if the identity of such owners is known to Contractor); and other contractors and utility owners performing work at or adjacent to the Site, in writing, when Contractor knows that prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.
- G. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. Any Owner's safety programs that are applicable to the Work are identified or included in the Supplementary Conditions or Specifications.
- H. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.
- I. Contractor's duties and responsibilities for safety and protection will continue until all the Work is completed, Engineer has issued a written notice to Owner and Contractor in accordance with Paragraph 15.06.C that the Work is acceptable, and Contractor has left the Site (except as otherwise expressly provided in connection with Substantial Completion).
- J. Contractor's duties and responsibilities for safety and protection will resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

7.14 Hazard Communication Programs

- A. Contractor shall be responsible for coordinating any exchange of safety data sheets (formerly known as material safety data sheets) or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

7.15 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency, or are required as a result of Contractor's response to an emergency. If Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

7.16 *Submittals*

A. *Shop Drawing and Sample Requirements*

- 1. Before submitting a Shop Drawing or Sample, Contractor shall:
 - a. review and coordinate the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
 - b. determine and verify:
 - 1) all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect to the Submittal;
 - 2) the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
 - 3) all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto;
 - c. confirm that the Submittal is complete with respect to all related data included in the Submittal.
- 2. Each Shop Drawing or Sample must bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that Submittal, and that Contractor approves the Submittal.
- 3. With each Shop Drawing or Sample, Contractor shall give Engineer specific written notice of any variations that the Submittal may have from the requirements of the Contract Documents. This notice must be set forth in a written communication separate from the Submittal; and, in addition, in the case of a Shop Drawing by a specific notation made on the Shop Drawing itself.

- B. *Submittal Procedures for Shop Drawings and Samples:* Contractor shall label and submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals.

1. *Shop Drawings*

- a. Contractor shall submit the number of copies required in the Specifications.

- b. Data shown on the Shop Drawings must be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide, and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.C.

2. *Samples*

- a. Contractor shall submit the number of Samples required in the Specifications.
 - b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the Submittal for the limited purposes required by Paragraph 7.16.C.
3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. *Engineer's Review of Shop Drawings and Samples*

- 1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the accepted Schedule of Submittals. Engineer's review and approval will be only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
- 2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs incident thereto.
- 3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.
- 4. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved variation from the requirements of the Contract Documents in a Field Order or other appropriate Contract modification.
- 5. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for complying with the requirements of Paragraphs 7.16.A and B.
- 6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, will not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.
- 7. Neither Engineer's receipt, review, acceptance, or approval of a Shop Drawing or Sample will result in such item becoming a Contract Document.

8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.C.4.

D. Resubmittal Procedures for Shop Drawings and Samples

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous Submittals.
2. Contractor shall furnish required Shop Drawing and Sample submittals with sufficient information and accuracy to obtain required approval of an item with no more than two resubmittals. Engineer will record Engineer's time for reviewing a third or subsequent resubmittal of a Shop Drawing or Sample, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges.
3. If Contractor requests a change of a previously approved Shop Drawing or Sample, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

E. Submittals Other than Shop Drawings, Samples, and Owner-Delegated Designs

1. The following provisions apply to all Submittals other than Shop Drawings, Samples, and Owner-delegated designs:
 - a. Contractor shall submit all such Submittals to the Engineer in accordance with the Schedule of Submittals and pursuant to the applicable terms of the Contract Documents.
 - b. Engineer will provide timely review of all such Submittals in accordance with the Schedule of Submittals and return such Submittals with a notation of either Accepted or Not Accepted. Any such Submittal that is not returned within the time established in the Schedule of Submittals will be deemed accepted.
 - c. Engineer's review will be only to determine if the Submittal is acceptable under the requirements of the Contract Documents as to general form and content of the Submittal.
 - d. If any such Submittal is not accepted, Contractor shall confer with Engineer regarding the reason for the non-acceptance, and resubmit an acceptable document.
2. Procedures for the submittal and acceptance of the Progress Schedule, the Schedule of Submittals, and the Schedule of Values are set forth in Paragraphs 2.03, 2.04, and 2.05.

- F. Owner-delegated Designs: Submittals pursuant to Owner-delegated designs are governed by the provisions of Paragraph 7.19.

7.17 Contractor's General Warranty and Guarantee

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer is entitled to rely on Contractor's warranty and guarantee.

- B. Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights; provided, however, that after the end of the correction period under Paragraph 15.08:
 - 1. Owner shall give Contractor written notice of any defective Work within 60 days of the discovery that such Work is defective; and
 - 2. Such notice will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the notice.
- C. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
 - 1. abuse, or improper modification, maintenance, or operation, by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
 - 2. normal wear and tear under normal usage.
- D. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents is absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents, a release of Contractor's obligation to perform the Work in accordance with the Contract Documents, or a release of Owner's warranty and guarantee rights under this Paragraph 7.17:
 - 1. Observations by Engineer;
 - 2. Recommendation by Engineer or payment by Owner of any progress or final payment;
 - 3. The issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
 - 4. Use or occupancy of the Work or any part thereof by Owner;
 - 5. Any review and approval of a Shop Drawing or Sample submittal;
 - 6. The issuance of a notice of acceptability by Engineer;
 - 7. The end of the correction period established in Paragraph 15.08;
 - 8. Any inspection, test, or approval by others; or
 - 9. Any correction of defective Work by Owner.
- E. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract will govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

7.18 Indemnification

- A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from losses,

damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

- B. In any and all claims against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

7.19 *Delegation of Professional Design Services*

- A. Owner may require Contractor to provide professional design services for a portion of the Work by express delegation in the Contract Documents. Such delegation will specify the performance and design criteria that such services must satisfy, and the Submittals that Contractor must furnish to Engineer with respect to the Owner-delegated design.
- B. Contractor shall cause such Owner-delegated professional design services to be provided pursuant to the professional standard of care by a properly licensed design professional, whose signature and seal must appear on all drawings, calculations, specifications, certifications, and Submittals prepared by such design professional. Such design professional must issue all certifications of design required by Laws and Regulations.
- C. If a Shop Drawing or other Submittal related to the Owner-delegated design is prepared by Contractor, a Subcontractor, or others for submittal to Engineer, then such Shop Drawing or other Submittal must bear the written approval of Contractor's design professional when submitted by Contractor to Engineer.
- D. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, and approvals performed or provided by the design professionals retained or employed by Contractor under an Owner-delegated design, subject to the professional standard of care and the performance and design criteria stated in the Contract Documents.
- E. Pursuant to this Paragraph 7.19, Engineer's review, approval, and other determinations regarding design drawings, calculations, specifications, certifications, and other Submittals furnished by Contractor pursuant to an Owner-delegated design will be only for the following limited purposes:
 - 1. Checking for conformance with the requirements of this Paragraph 7.19;

2. Confirming that Contractor (through its design professionals) has used the performance and design criteria specified in the Contract Documents; and
 3. Establishing that the design furnished by Contractor is consistent with the design concept expressed in the Contract Documents.
- F. Contractor shall not be responsible for the adequacy of performance or design criteria specified by Owner or Engineer.
- G. Contractor is not required to provide professional services in violation of applicable Laws and Regulations.

ARTICLE 8—OTHER WORK AT THE SITE

8.01 *Other Work*

- A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third-party utility owners perform work on their utilities and facilities at or adjacent to the Site.
- B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to starting any such other work. If Owner has advance information regarding the start of any third-party utility work that Owner has arranged to take place at or adjacent to the Site, Owner shall provide such information to Contractor.
- C. Contractor shall afford proper and safe access to the Site to each contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work.
- D. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected.
- E. If the proper execution or results of any part of Contractor's Work depends upon work performed by others, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.
- F. The provisions of this article are not applicable to work that is performed by third-party utilities or other third-party entities without a contract with Owner, or that is performed without having been arranged by Owner. If such work occurs, then any related delay,

disruption, or interference incurred by Contractor is governed by the provisions of Paragraph 4.05.C.3.

8.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the Supplementary Conditions or provided to Contractor prior to the start of any such other work:
 - 1. The identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;
 - 2. An itemization of the specific matters to be covered by such authority and responsibility; and
 - 3. The extent of such authority and responsibilities.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

8.03 *Legal Relationships*

- A. If, in the course of performing other work for Owner at or adjacent to the Site, the Owner's employees, any other contractor working for Owner, or any utility owner that Owner has arranged to perform work, causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or increases the scope or cost of the performance of the Work, through actions or inaction, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within 30 days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment will take into account information (if any) regarding such other work that was provided to Contractor in the Contract Documents prior to the submittal of the Bid or the final negotiation of the terms of the Contract, and any remedies available to Contractor under Laws or Regulations concerning utility action or inaction. When applicable, any such equitable adjustment in Contract Price will be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times or Contract Price is subject to the provisions of Paragraphs 4.05.D and 4.05.E.
- B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.
 - 1. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this Paragraph 8.03.B.

2. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due Contractor.
- C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

ARTICLE 9—OWNER'S RESPONSIBILITIES

9.01 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

9.02 *Replacement of Engineer*

- A. Owner may at its discretion appoint an engineer to replace Engineer, provided Contractor makes no reasonable objection to the replacement engineer. The replacement engineer's status under the Contract Documents will be that of the former Engineer.

9.03 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

9.04 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in the Agreement.

9.05 *Lands and Easements; Reports, Tests, and Drawings*

- A. Owner's duties with respect to providing lands and easements are set forth in Paragraph 5.01.
- B. Owner's duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.
- C. Article 5 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

9.06 *Insurance*

- A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.

9.07 *Change Orders*

- A. Owner's responsibilities with respect to Change Orders are set forth in Article 11.

9.08 *Inspections, Tests, and Approvals*

- A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.B.

9.09 *Limitations on Owner's Responsibilities*

- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

9.10 *Undisclosed Hazardous Environmental Condition*

- A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.

9.11 *Evidence of Financial Arrangements*

- A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract (including obligations under proposed changes in the Work).

9.12 *Safety Programs*

- A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.
- B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION

10.01 *Owner's Representative*

- A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract.

10.02 *Visits to Site*

- A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe, as an experienced and qualified design professional, the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to

make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

- B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.07. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

10.03 *Resident Project Representative*

- A. If Owner and Engineer have agreed that Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in the Supplementary Conditions and in Paragraph 10.07.
- B. If Owner designates an individual or entity who is not Engineer's consultant, agent, or employee to represent Owner at the Site, then the responsibilities and authority of such individual or entity will be as provided in the Supplementary Conditions.

10.04 *Engineer's Authority*

- A. Engineer has the authority to reject Work in accordance with Article 14.
- B. Engineer's authority as to Submittals is set forth in Paragraph 7.16.
- C. Engineer's authority as to design drawings, calculations, specifications, certifications and other Submittals from Contractor in response to Owner's delegation (if any) to Contractor of professional design services, is set forth in Paragraph 7.19.
- D. Engineer's authority as to changes in the Work is set forth in Article 11.
- E. Engineer's authority as to Applications for Payment is set forth in Article 15.

10.05 *Determinations for Unit Price Work*

- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.

10.06 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.07 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.
- B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
- D. Engineer's review of the final Application for Payment and accompanying documentation, and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Contractor under Paragraph 15.06.A, will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.
- E. The limitations upon authority and responsibility set forth in this Paragraph 10.07 also apply to the Resident Project Representative, if any.

10.08 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs of which Engineer has been informed.

ARTICLE 11—CHANGES TO THE CONTRACT

11.01 *Amending and Supplementing the Contract*

- A. The Contract may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.
- B. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order.
- C. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation. Owner and Contractor may amend other terms and conditions of the Contract without the recommendation of the Engineer.

11.02 *Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders covering:
 - 1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;
 - 2. Changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;
 - 3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters; and
 - 4. Changes that embody the substance of any final and binding results under: Paragraph 11.03.B, resolving the impact of a Work Change Directive; Paragraph 11.09, concerning Change Proposals; Article 12, Claims; Paragraph 13.02.D, final adjustments resulting from allowances; Paragraph 13.03.D, final adjustments relating to determination of quantities for Unit Price Work; and similar provisions.
- B. If Owner or Contractor refuses to execute a Change Order that is required to be executed under the terms of Paragraph 11.02.A, it will be deemed to be of full force and effect, as if fully executed.

11.03 *Work Change Directives*

- A. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.07 regarding change of Contract Price.
- B. If Owner has issued a Work Change Directive and:
 - 1. Contractor believes that an adjustment in Contract Times or Contract Price is necessary, then Contractor shall submit any Change Proposal seeking such an adjustment no later than 30 days after the completion of the Work set out in the Work Change Directive.
 - 2. Owner believes that an adjustment in Contract Times or Contract Price is necessary, then Owner shall submit any Claim seeking such an adjustment no later than 60 days after issuance of the Work Change Directive.

11.04 *Field Orders*

- A. Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract

Documents. Such changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly.

- B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then before proceeding with the Work at issue, Contractor shall submit a Change Proposal as provided herein.

11.05 *Owner-Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Changes involving the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters will be supported by Engineer's recommendation.
- B. Such changes in the Work may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work must be performed under the applicable conditions of the Contract Documents.
- C. Nothing in this Paragraph 11.05 obligates Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

11.06 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.C.2.

11.07 *Change of Contract Price*

- A. The Contract Price may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Price must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment of Contract Price must comply with the provisions of Article 12.
- B. An adjustment in the Contract Price will be determined as follows:
 - 1. Where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03);
 - 2. Where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.07.C.2); or
 - 3. Where the Work involved is not covered by unit prices contained in the Contract Documents and the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.07.C).

- C. *Contractor's Fee*: When applicable, the Contractor's fee for overhead and profit will be determined as follows:
1. A mutually acceptable fixed fee; or
 2. If a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
 - a. For costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee will be 15 percent;
 - b. For costs incurred under Paragraph 13.01.B.3, the Contractor's fee will be 5 percent;
 - c. Where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.07.C.2.a and 11.07.C.2.b is that the Contractor's fee will be based on: (1) a fee of 15 percent of the costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that actually performs the Work, a fee of 5 percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted Work the maximum total fee to be paid by Owner will be no greater than 27 percent of the costs incurred by the Subcontractor that actually performs the Work;
 - d. No fee will be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;
 - e. The amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in Cost of the Work will be the amount of the actual net decrease in Cost of the Work and a deduction of an additional amount equal to 5 percent of such actual net decrease in Cost of the Work; and
 - f. When both additions and credits are involved in any one change or Change Proposal, the adjustment in Contractor's fee will be computed by determining the sum of the costs in each of the cost categories in Paragraph 13.01.B (specifically, payroll costs, Paragraph 13.01.B.1; incorporated materials and equipment costs, Paragraph 13.01.B.2; Subcontract costs, Paragraph 13.01.B.3; special consultants costs, Paragraph 13.01.B.4; and other costs, Paragraph 13.01.B.5) and applying to each such cost category sum the appropriate fee from Paragraphs 11.07.C.2.a through 11.07.C.2.e, inclusive.

11.08 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Change Proposal for an adjustment in the Contract Times must comply with the provisions of Paragraph 11.09. Any Claim for an adjustment in the Contract Times must comply with the provisions of Article 12.
- B. Delay, disruption, and interference in the Work, and any related changes in Contract Times, are addressed in and governed by Paragraph 4.05.

11.09 *Change Proposals*

A. *Purpose and Content:* Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; contest an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; challenge a set-off against payment due; or seek other relief under the Contract. The Change Proposal will specify any proposed change in Contract Times or Contract Price, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents. Each Change Proposal will address only one issue, or a set of closely related issues.

B. *Change Proposal Procedures*

1. *Submittal:* Contractor shall submit each Change Proposal to Engineer within 30 days after the start of the event giving rise thereto, or after such initial decision.
2. *Supporting Data:* The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within 15 days after the submittal of the Change Proposal.
 - a. Change Proposals based on or related to delay, interruption, or interference must comply with the provisions of Paragraphs 4.05.D and 4.05.E.
 - b. Change proposals related to a change of Contract Price must include full and detailed accounts of materials incorporated into the Work and labor and equipment used for the subject Work.

The supporting data must be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event.

3. *Engineer's Initial Review:* Engineer will advise Owner regarding the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal. If in its discretion Engineer concludes that additional supporting data is needed before conducting a full review and making a decision regarding the Change Proposal, then Engineer may request that Contractor submit such additional supporting data by a date specified by Engineer, prior to Engineer beginning its full review of the Change Proposal.
4. *Engineer's Full Review and Action on the Change Proposal:* Upon receipt of Contractor's supporting data (including any additional data requested by Engineer), Engineer will conduct a full review of each Change Proposal and, within 30 days after such receipt of the Contractor's supporting data, either approve the Change Proposal in whole, deny it in whole, or approve it in part and deny it in part. Such actions must be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within 30 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of Engineer's inaction the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.
5. *Binding Decision:* Engineer's decision is final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.

- C. *Resolution of Certain Change Proposals*: If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties in writing that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice will be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.
- D. *Post-Completion*: Contractor shall not submit any Change Proposals after Engineer issues a written recommendation of final payment pursuant to Paragraph 15.06.B.

11.10 *Notification to Surety*

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

ARTICLE 12—CLAIMS

12.01 *Claims*

- A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:
 - 1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;
 - 2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;
 - 3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters; and
 - 4. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.
- B. *Submittal of Claim*: The party submitting a Claim shall deliver it directly to the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto; in the case of appeals regarding Change Proposals within 30 days of the decision under appeal. The party submitting the Claim shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim rests with the party making the Claim. In the case of a Claim by Contractor seeking an increase in the Contract Times or Contract Price, Contractor shall certify that the Claim is made in good faith, that the supporting data are accurate and complete, and that to the best of Contractor's knowledge and belief the amount of time or money requested accurately reflects the full amount to which Contractor is entitled.
- C. *Review and Resolution*: The party receiving a Claim shall review it thoroughly, giving full consideration to its merits. The two parties shall seek to resolve the Claim through the exchange of information and direct negotiations. The parties may extend the time for resolving the Claim by mutual agreement. All actions taken on a Claim will be stated in writing and submitted to the other party, with a copy to Engineer.

D. *Mediation*

1. At any time after initiation of a Claim, Owner and Contractor may mutually agree to mediation of the underlying dispute. The agreement to mediate will stay the Claim submittal and response process.
 2. If Owner and Contractor agree to mediation, then after 60 days from such agreement, either Owner or Contractor may unilaterally terminate the mediation process, and the Claim submittal and decision process will resume as of the date of the termination. If the mediation proceeds but is unsuccessful in resolving the dispute, the Claim submittal and decision process will resume as of the date of the conclusion of the mediation, as determined by the mediator.
 3. Owner and Contractor shall each pay one-half of the mediator's fees and costs.
- E. *Partial Approval*: If the party receiving a Claim approves the Claim in part and denies it in part, such action will be final and binding unless within 30 days of such action the other party invokes the procedure set forth in Article 17 for final resolution of disputes.
- F. *Denial of Claim*: If efforts to resolve a Claim are not successful, the party receiving the Claim may deny it by giving written notice of denial to the other party. If the receiving party does not take action on the Claim within 90 days, then either Owner or Contractor may at any time thereafter submit a letter to the other party indicating that as a result of the inaction, the Claim is deemed denied, thereby commencing the time for appeal of the denial. A denial of the Claim will be final and binding unless within 30 days of the denial the other party invokes the procedure set forth in Article 17 for the final resolution of disputes.
- G. *Final and Binding Results*: If the parties reach a mutual agreement regarding a Claim, whether through approval of the Claim, direct negotiations, mediation, or otherwise; or if a Claim is approved in part and denied in part, or denied in full, and such actions become final and binding; then the results of the agreement or action on the Claim will be incorporated in a Change Order or other written document to the extent they affect the Contract, including the Work, the Contract Times, or the Contract Price.

ARTICLE 13—COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

13.01 *Cost of the Work*

- A. *Purposes for Determination of Cost of the Work*: The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:
1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or
 2. When needed to determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.
- B. *Costs Included*: Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work will be in amounts no higher than those commonly incurred in the

locality of the Project, will not include any of the costs itemized in Paragraph 13.01.C, and will include only the following items:

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor in advance of the subject Work. Such employees include, without limitation, superintendents, foremen, safety managers, safety representatives, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work will be apportioned on the basis of their time spent on the Work. Payroll costs include, but are not limited to, salaries and wages plus the cost of fringe benefits, which include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, will be included in the above to the extent authorized by Owner.
2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts will accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment will accrue to Owner, and Contractor shall make provisions so that they may be obtained.
3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee will be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.
4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed or retained for services specifically related to the Work.
5. Other costs consisting of the following:
 - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
 - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
 - 1) In establishing included costs for materials such as scaffolding, plating, or sheeting, consideration will be given to the actual or the estimated life of the material for use on other projects; or rental rates may be established on the basis of purchase or salvage value of such items, whichever is less. Contractor will not

be eligible for compensation for such items in an amount that exceeds the purchase cost of such item.

c. *Construction Equipment Rental*

- 1) Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner as to price (including any surcharge or special rates applicable to overtime use of the construction equipment or machinery), and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs will be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts must cease when the use thereof is no longer necessary for the Work.
 - 2) Costs for equipment and machinery owned by Contractor or a Contractor-related entity will be paid at a rate shown for such equipment in the equipment rental rate book specified in the Supplementary Conditions. An hourly rate will be computed by dividing the monthly rates by 176. These computed rates will include all operating costs.
 - 3) With respect to Work that is the result of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price ("changed Work"), included costs will be based on the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, must cease to accrue when the use thereof is no longer necessary for the changed Work.
- d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
- e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
- f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of builder's risk or other property insurance established in accordance with Paragraph 6.04), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses will be included in the Cost of the Work for the purpose of determining Contractor's fee.
- g. The cost of utilities, fuel, and sanitary facilities at the Site.
- h. Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.

- i. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.
- C. *Costs Excluded*: The term Cost of the Work does not include any of the following items:
 1. Payroll costs and other compensation of Contractor's officers, executives, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.
 2. The cost of purchasing, renting, or furnishing small tools and hand tools.
 3. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
 4. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
 5. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
 6. Expenses incurred in preparing and advancing Claims.
 7. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.
- D. *Contractor's Fee*
 1. When the Work as a whole is performed on the basis of cost-plus-a-fee, then:
 - a. Contractor's fee for the Work set forth in the Contract Documents as of the Effective Date of the Contract will be determined as set forth in the Agreement.
 - b. for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work, Contractor's fee will be determined as follows:
 - 1) When the fee for the Work as a whole is a percentage of the Cost of the Work, the fee will automatically adjust as the Cost of the Work changes.
 - 2) When the fee for the Work as a whole is a fixed fee, the fee for any additions or deletions will be determined in accordance with Paragraph 11.07.C.2.
 2. When the Work as a whole is performed on the basis of a stipulated sum, or any other basis other than cost-plus-a-fee, then Contractor's fee for any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price on the basis of Cost of the Work will be determined in accordance with Paragraph 11.07.C.2.
- E. *Documentation and Audit*: Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor and pertinent Subcontractors will establish

and maintain records of the costs in accordance with generally accepted accounting practices. Subject to prior written notice, Owner will be afforded reasonable access, during normal business hours, to all Contractor's accounts, records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the Cost of the Work and Contractor's fee. Contractor shall preserve all such documents for a period of three years after the final payment by Owner. Pertinent Subcontractors will afford such access to Owner, and preserve such documents, to the same extent required of Contractor.

13.02 *Allowances*

- A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.
- B. *Cash Allowances*: Contractor agrees that:
 - 1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
 - 2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment for any of the foregoing will be valid.
- C. *Owner's Contingency Allowance*: Contractor agrees that an Owner's contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.
- D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor for Work covered by allowances, and the Contract Price will be correspondingly adjusted.

13.03 *Unit Price Work*

- A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.
- B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Payments to Contractor for Unit Price Work will be based on actual quantities.
- C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.
- D. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, and the final adjustment of Contract Price will be set forth in a Change Order, subject to the provisions of the following paragraph.

E. Adjustments in Unit Price

1. Contractor or Owner shall be entitled to an adjustment in the unit price with respect to an item of Unit Price Work if:
 - a. the quantity of the item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
 - b. Contractor's unit costs to perform the item of Unit Price Work have changed materially and significantly as a result of the quantity change.
2. The adjustment in unit price will account for and be coordinated with any related changes in quantities of other items of Work, and in Contractor's costs to perform such other Work, such that the resulting overall change in Contract Price is equitable to Owner and Contractor.
3. Adjusted unit prices will apply to all units of that item.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

14.01 *Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply with such procedures and programs as applicable.

14.02 *Tests, Inspections, and Approvals*

- A. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests.
- B. Owner shall retain and pay for the services of an independent inspector, testing laboratory, or other qualified individual or entity to perform all inspections and tests expressly required by the Contract Documents to be furnished and paid for by Owner, except that costs incurred in connection with tests or inspections of covered Work will be governed by the provisions of Paragraph 14.05.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.
- D. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:
 1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;

2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work;
3. by manufacturers of equipment furnished under the Contract Documents;
4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests will be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer.

- E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.
- F. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

14.03 *Defective Work*

- A. *Contractor's Obligation:* It is Contractor's obligation to assure that the Work is not defective.
- B. *Engineer's Authority:* Engineer has the authority to determine whether Work is defective, and to reject defective Work.
- C. *Notice of Defects:* Prompt written notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.
- D. *Correction, or Removal and Replacement:* Promptly after receipt of written notice of defective Work, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective.
- E. *Preservation of Warranties:* When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.
- F. *Costs and Damages:* In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

14.04 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles, and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to final payment, the necessary revisions in the Contract Documents with respect to the Work will be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

14.05 *Uncovering Work*

- A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.
- B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.
- C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.
 - 1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.
 - 2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within 30 days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work will not give rise to any duty on the part of Owner to exercise this

right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

14.07 Owner May Correct Defective Work

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace defective Work as required by Engineer, then Owner may, after 7 days' written notice to Contractor, correct or remedy any such deficiency.
- B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.
- C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.
- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

ARTICLE 15—PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD

15.01 Progress Payments

- A. *Basis for Progress Payments:* The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments for Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period.
- B. *Applications for Payments*
 - 1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.
 - 2. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment must also be accompanied by: (a) a bill of sale, invoice, copies of subcontract or purchase order payments, or other documentation establishing full payment by Contractor for the materials and equipment; (b) at Owner's

request, documentation warranting that Owner has received the materials and equipment free and clear of all Liens; and (c) evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

3. Beginning with the second Application for Payment, each Application must include an affidavit of Contractor stating that all previous progress payments received by Contractor have been applied to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
4. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

C. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:
 - a. the Work has progressed to the point indicated;
 - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and
 - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.
3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
 - a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or
 - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
 - a. to supervise, direct, or control the Work;
 - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto;
 - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work;
 - d. to make any examination to ascertain how or for what purposes Contractor has used the money paid by Owner; or
 - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
 5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.
 6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:
 - a. the Work is defective, requiring correction or replacement;
 - b. the Contract Price has been reduced by Change Orders;
 - c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
 - e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.
- D. *Payment Becomes Due*
1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.
- E. *Reductions in Payment by Owner*
1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:
 - a. Claims have been made against Owner based on Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages resulting from Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;

- b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with other work at or adjacent to the Site;
 - c. Contractor has failed to provide and maintain required bonds or insurance;
 - d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;
 - e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;
 - f. The Work is defective, requiring correction or replacement;
 - g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
 - h. The Contract Price has been reduced by Change Orders;
 - i. An event has occurred that would constitute a default by Contractor and therefore justify a termination for cause;
 - j. Liquidated or other damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;
 - k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens; or
 - l. Other items entitle Owner to a set-off against the amount recommended.
2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed will be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.
3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld will be treated as an amount due as determined by Paragraph 15.01.D.1 and subject to interest as provided in the Agreement.

15.02 Contractor's Warranty of Title

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than 7 days after the time of payment by Owner.

15.03 Substantial Completion

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time

submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment.

- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which will fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have 7 days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said 14 days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.
- D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.
- E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.
- F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

15.04 *Partial Use or Occupancy*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without

significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

1. At any time, Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through 15.03.E for that part of the Work.
2. At any time, Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.04 regarding builder's risk or other property insurance.

15.05 Final Inspection

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

15.06 Final Payment

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.12), and other documents, Contractor may make application for final payment.
2. The final Application for Payment must be accompanied (except as previously delivered) by:
 - a. all documentation called for in the Contract Documents;
 - b. consent of the surety, if any, to final payment;
 - c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.

- d. a list of all duly pending Change Proposals and Claims; and
 - e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.
- 3. In lieu of the releases or waivers of Liens specified in Paragraph 15.06.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (a) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (b) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien, or Owner at its option may issue joint checks payable to Contractor and specified Subcontractors and Suppliers.
- B. *Engineer's Review of Final Application and Recommendation of Payment:* If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within 10 days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the final Application for Payment to Owner for payment. Such recommendation will account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.
- C. *Notice of Acceptability:* In support of its recommendation of payment of the final Application for Payment, Engineer will also give written notice to Owner and Contractor that the Work is acceptable, subject to stated limitations in the notice and to the provisions of Paragraph 15.07.
- D. *Completion of Work:* The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.
- E. *Final Payment Becomes Due:* Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount recommended by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor within 30 days of Owner's receipt of the final Application for Payment from Engineer.

15.07 *Waiver of Claims*

- A. By making final payment, Owner waives its claim or right to liquidated damages or other damages for late completion by Contractor, except as set forth in an outstanding Claim,

appeal under the provisions of Article 17, set-off, or express reservation of rights by Owner. Owner reserves all other claims or rights after final payment.

- B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted as a Claim, or appealed under the provisions of Article 17.

15.08 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the Supplementary Conditions or the terms of any applicable special guarantee required by the Contract Documents), Owner gives Contractor written notice that any Work has been found to be defective, or that Contractor's repair of any damages to the Site or adjacent areas has been found to be defective, then after receipt of such notice of defect Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
 - 1. correct the defective repairs to the Site or such adjacent areas;
 - 2. correct such defective Work;
 - 3. remove the defective Work from the Project and replace it with Work that is not defective, if the defective Work has been rejected by Owner, and
 - 4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting from the corrective measures.
- B. Owner shall give any such notice of defect within 60 days of the discovery that such Work or repairs is defective. If such notice is given within such 60 days but after the end of the correction period, the notice will be deemed a notice of defective Work under Paragraph 7.17.B.
- C. If, after receipt of a notice of defect within 60 days and within the correction period, Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others). Contractor's failure to pay such costs, losses, and damages within 10 days of invoice from Owner will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within 30 days of the failure to pay.
- D. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- E. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

- F. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph are not to be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

16.01 *Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times directly attributable to any such suspension. Any Change Proposal seeking such adjustments must be submitted no later than 30 days after the date fixed for resumption of Work.

16.02 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:
1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, or failure to adhere to the Progress Schedule);
 2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
 3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or
 4. Contractor's repeated disregard of the authority of Owner or Engineer.
- B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) 10 days' written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:
1. declare Contractor to be in default, and give Contractor (and any surety) written notice that the Contract is terminated; and
 2. enforce the rights available to Owner under any applicable performance bond.
- C. Subject to the terms and operation of any applicable performance bond, if Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.
- D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within 7 days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.
- E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs,

- losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.
- F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.
- G. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 6.01.A, the provisions of that bond will govern over any inconsistent provisions of Paragraphs 16.02.B and 16.02.D.

16.03 *Owner May Terminate for Convenience*

- A. Upon 7 days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):
1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
 2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and
 3. other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.
- B. Contractor shall not be paid for any loss of anticipated profits or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

16.04 *Contractor May Stop Work or Terminate*

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (3) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days' written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.
- B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due,

Contractor may, 7 days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

ARTICLE 17—FINAL RESOLUTION OF DISPUTES

17.01 *Methods and Procedures*

- A. *Disputes Subject to Final Resolution:* The following disputed matters are subject to final resolution under the provisions of this article:
1. A timely appeal of an approval in part and denial in part of a Claim, or of a denial in full, pursuant to Article 12; and
 2. Disputes between Owner and Contractor concerning the Work, or obligations under the Contract Documents, that arise after final payment has been made.
- B. *Final Resolution of Disputes:* For any dispute subject to resolution under this article, Owner or Contractor may:
1. elect in writing to invoke the dispute resolution process provided for in the Supplementary Conditions;
 2. agree with the other party to submit the dispute to another dispute resolution process; or
 3. if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, give written notice to the other party of the intent to submit the dispute to a court of competent jurisdiction.

ARTICLE 18—MISCELLANEOUS

18.01 *Giving Notice*

- A. Whenever any provision of the Contract requires the giving of written notice to Owner, Engineer, or Contractor, it will be deemed to have been validly given only if delivered:
1. in person, by a commercial courier service or otherwise, to the recipient's place of business;
 2. by registered or certified mail, postage prepaid, to the recipient's place of business; or
 3. by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.

18.02 *Computation of Times*

- A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

18.03 *Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

18.04 *Limitation of Damages*

- A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.05 *No Waiver*

- A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

18.07 *Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

18.08 *Assignment of Contract*

- A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party to this Contract of any rights under or interests in the Contract will be binding on the other party without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract.

18.09 *Successors and Assigns*

- A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

18.10 *Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

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SECTION C-800

SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018). The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

SC 1.01.10.a. Delete Paragraph 1.01.A.10.a. in its entirety and insert the following new paragraph in its place:

- (a) A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the procedural requirements set forth herein, seeking an adjustment of Contract Price or Contract Times, or seeking other relief with respect to the terms of the Contract.

SC-1.01.A.50. Amend the first sentence of Paragraph 1.01.A.50. to read as follows:

Work Change Directive—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner, ordering an addition, deletion, or revision in the Work.

1.02 *Terminology*

SC-1.02.D.3. Delete Paragraph 1.02.D.3. in its entirety and insert the following new paragraph in its place:

- 3. has been damaged prior to final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or 15.04).

ARTICLE 2—PRELIMINARY MATTERS**2.02** *Copies of Documents*

SC-2.02.A. Delete Paragraph 2.02.A. in its entirety and insert the following new paragraph in its place:

- A. Owner shall furnish to Contractor three printed copies of conformed Contract Documents incorporating and integrating all Addenda and any amendments negotiated prior to the Effective Date of the Contract (including one fully signed counterpart of the Agreement) plus, if requested by Contractor, two additional conformed sets of Drawings for a total of five copies of conformed Drawings, and one copy in electronic portable document format (PDF). Additional printed copies of the conformed Contract Documents will be furnished upon request at the cost of reproduction.

SC-2.02.B. Delete the last sentence of Paragraph 2.02.B. in its entirety.

2.03 *Before Starting Construction*

SC-2.03.A. Amend the first sentence of Paragraph 2.03.A. by replacing the following word:

Change the words “Effective Date” to “Issue Date of the Notice to Proceed”.

SC-2.03. Add the following new paragraph immediately after Paragraph 2.03.A.3.:

- B. Video Recording: The Contractor shall videotape the proposed working area of the entire construction project route prior to any construction activity. Particular attention shall be paid to pre-existing damage and shall be noted, such as broken headwalls or cracked foundations, which have sustained damage prior to the construction activity.
 - 1. Recording shall *be* performed in a professional manner, i.e. containing a narrative describing the location of the camera relative to street addresses, manhole stations, etc. and its direction as well as any findings concerning the surrounding area. Movement of the camera should be slow and steady especially when a zoom-mode is being used.
 - 2. The video files shall be indexed for easy review throughout the duration of the Work. The video files shall be provided on a digital video disk (DVD). Video files shall be in a MS Windows compatible format, such as “avi” or “mpeg”. The DVD shall be turned over to the Owner prior to starting construction and shall become property of the Owner. None of the videos shall be published without express permission of the Owner.

2.04 Preconstruction Conference; Designation of Authorized Representatives

SC-2.04.A. Amend the first sentence of Paragraph 2.04.A. to read as follows:

Before any Work at the Site is started, a conference attended by Owner, including Engineer, Contractor and others as appropriate will be held to establish a working understanding among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.

2.06 Electronic Transmittals

SC-2.06 Delete Paragraphs 2.06.A., 2.06.B. and 2.06.C. in their entirety and insert the following in their place:

- A. Except as otherwise stated elsewhere in the Contract, the Owner, including Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.
- B. *Electronic Documents Protocol:* The parties shall conform to the following provisions in Paragraphs 2.06.B. and 2.06.C., together referred to as the Electronic Documents Protocol (“EDP” or “Protocol”) for exchange of electronic transmittals.

1. Basic Requirements

- a. To the fullest extent practical, the parties agree to and will transmit and accept Electronic Documents in an electronic or digital format using the procedures described in this Protocol. Use of the Electronic Documents and any information contained therein is subject to the requirements of this Protocol and other provisions of the Contract.
- b. The contents of the information in any Electronic Document will be the responsibility of the transmitting party.
- c. Electronic Documents as exchanged by this Protocol may be used in the same manner as the printed versions of the same documents that are exchanged using non-electronic format and methods, subject to the same governing requirements, limitations, and restrictions, set forth in the Contract Documents.

- d. Except as otherwise explicitly stated herein, the terms of this Protocol will be incorporated into any other agreement or subcontract between a party and any third party for any portion of the Work on the Project, or any Project-related services, where that third party is, either directly or indirectly, required to exchange Electronic Documents with a party or with Engineer. Nothing herein will modify the requirements of the Contract regarding communications between and among the parties and their subcontractors and consultants.
- e. When transmitting Electronic Documents, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the receiving party's use of software application packages, operating systems, or computer hardware differing from those established in this Protocol.
- f. Nothing herein negates any obligation 1) in the Contract to create, provide, or maintain an original printed record version of Drawings and Specifications, signed and sealed according to applicable Laws and Regulations; 2) to comply with any applicable Law or Regulation governing the signing and sealing of design documents or the signing and electronic transmission of any other documents; or 3) to comply with the notice requirements of Paragraph 18.01 of the General Conditions.

2. *System Infrastructure for Electronic Document Exchange*

- a. Each party will provide hardware, operating system(s) software, internet, e-mail, and large file transfer functions ("System Infrastructure") at its own cost and sufficient for complying with the EDP requirements. With the exception of minimum standards set forth in this EDP, and any explicit system requirements specified by attachment to this EDP, it is the obligation of each party to determine, for itself, its own System Infrastructure.
 - 1) The maximum size of an email attachment for exchange of Electronic Documents under this EDP is 25 MB. Attachments larger than that may be exchanged using large file transfer functions or physical media.
 - 2) Each Party assumes full and complete responsibility for any and all of its own costs, delays, deficiencies, and errors associated with converting, translating, updating, verifying, licensing, or otherwise enabling its System Infrastructure, including operating systems and software, for use with respect to this EDP.
- b. Each party is responsible for its own system operations, security, back-up, archiving, audits, printing resources, and other Information Technology ("IT") for

EJCDC® C-800, Supplementary Conditions of the Construction Contract.

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maintaining operations of its System Infrastructure during the Project, including coordination with the party's individual(s) or entity responsible for managing its System Infrastructure and capable of addressing routine communications and other IT issues affecting the exchange of Electronic Documents.

- c. Each party will operate and maintain industry-standard, industry-accepted, ISO-standard, commercial-grade security software and systems that are intended to protect the other party from: software viruses and other malicious software like worms, trojans, adware; data breaches; loss of confidentiality; and other threats in the transmission to or storage of information from the other parties, including transmission of Electronic Documents by physical media such as CD/DVD/flash drive/hard drive. To the extent that a party maintains and operates such security software and systems, it shall not be liable to the other party for any breach of system security.
- d. In the case of disputes, conflicts, or modifications to the EDP required to address issues affecting System Infrastructure, the parties shall cooperatively resolve the issues; but, failing resolution, the Owner is authorized to make and require reasonable and necessary changes to the EDP to effectuate its original intent. If the changes cause additional cost or time to Contractor, not reasonably anticipated under the original EDP, Contractor may seek an adjustment in price or time under the appropriate process in the Contract.
- e. Each party is responsible for its own back-up and archive of documents sent and received during the term of the contract under this EDP, unless this EDP establishes a Project document archive, either as part of a mandatory Project website or other communications protocol, upon which the parties may rely for document archiving during the specified term of operation of such Project document archive. Further, each party remains solely responsible for its own post-Project back-up and archive of Project documents after the term of the Contract, or after termination of the Project document archive, if one is established, for as long as required by the Contract and as each party deems necessary for its own purposes.
- f. If a receiving party receives an obviously corrupted, damaged, or unreadable Electronic Document, the receiving party will advise the sending party of the incomplete transmission.
- g. The parties will bring any non-conforming Electronic Documents into compliance with the EDP. The parties will attempt to complete a successful transmission of the

Electronic Document or use an alternative delivery method to complete the communication.

C. Software Requirements for Electronic Document Exchange; Limitations

1. Each party will acquire the software and software licenses necessary to create and transmit Electronic Documents and to read and to use any Electronic Documents received from the other party (and if relevant from third parties), using the software formats required in this section of the EDP.
 - a. Prior to using any updated version of the software required in this section for sending Electronic Documents to the other party, the originating party will first notify and receive concurrence from the other party for use of the updated version or adjust its transmission to comply with this EDP.
2. The parties agree not to intentionally edit, reverse engineer, decrypt, remove security or encryption features, or convert to another format for modification purposes any Electronic Document or information contained therein that was transmitted in a

software data format, including Portable Document Format (PDF), intended by sender not to be modified, unless the receiving party obtains the permission of the sending party or is citing or quoting excerpts of the Electronic Document for Project purposes.

3. Software and data formats for exchange of Electronic Documents will conform to the requirements set forth in Exhibit A to this EDP, including software versions, if listed.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 Intent

SC-3.01.G. Amend Paragraphs 3.01.G.1. and 3.01.G.2. by deleting the words “or Engineer”.

SC-3.01. Add the following new paragraphs immediately after Paragraph 3.01.G.:

- H. The Specifications and/or Drawings are intended to be explanatory to each other when made available. Should any discrepancy appear or any misunderstanding arise as to the importance of anything contained in either, the decision of the Engineer shall be final and binding on Contractor. Large scale details shall govern small scale Drawings. Figure dimensions on Drawings shall govern over scale dimensions and detailed Drawings shall govern over general Drawings. The Engineer may make any correction of errors or omissions in the Drawings or Specifications when such corrections are necessary for proper fulfillment of their intention as construed by the Engineer.

- I. All the work or materials shown on any Drawing and not mentioned in the Specifications or any work specified and not shown on the Drawings, shall be furnished, performed and completed by Contractor as if same were both mentioned in the Specifications and shown on the Drawings.
- J. Contractor shall not rely on any directions or instructions given to Contractor by any person, organization or entity, whether oral or written, regarding the Work to be performed hereunder, other than that provided by the Engineer, court or administrative agency or tribunal of competent authority, and no such direction or instructions shall be considered as an authorized change to the Work. The Owner shall not be required to make any payment or provide any other consideration to Contractor for any Work performed, actions taken, supplies and/or materials used by Contractor in reliance upon any such unauthorized change in Work.

3.02 Reference Standards

SC-3.02.A.2. Delete Paragraph 3.02.A.2. in its entirety and insert the following in its place:

- 2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, including Engineer, or Contractor from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner, including Engineer, any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

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3.03 Reporting and Resolving Discrepancies

SC-3.03.A.3. Amend Paragraph 3.03.A.3. by deleting the words “or Engineer”.

3.04 Requirements of the Contract Documents

SC-3.04.A. Amend the first sentence of Paragraph 3.04.A. by deleting the words “and Owner”.

SC-3.04.B. Amend the second sentence of Paragraph 3.04.B. to read as follows:

Engineer’s written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals by submitting a Change Proposal.

SC-3.04.C. Delete Paragraph 3.04.C. in its entirety and insert the following new paragraph in its place:

C. *Reserved.*

3.05 Reuse of Documents

SC-3.05.A.1. Delete Paragraph 3.05.A.1. in its entirety and insert the following new paragraph in its place:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media editions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and specific written verification or adaptation by Engineer; or

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 Commencement of Contract Times; Notice to Proceed

SC-4.01. Delete Paragraph 4.01.A. in its entirety and insert the following new paragraph in its place:

- A. The Contract Times will commence to run on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Contract. In no event will the Contract Times commence to run later than the 60th day after the day of Bid opening or the 30th day after the Effective Date of the Contract, whichever date is earlier, unless a later commencement date is mutually agreed upon by Contractor and Owner.

4.03 Reference Points

SC-4.03. Add the following new paragraphs immediately after Paragraph 4.03.A.:

- B. All work under this Contract shall be constructed in accordance with the lines and grades shown on the Drawings or as directed by the Engineer. Elevation of existing ground and appurtenances are believed to be reasonably correct but are not guaranteed to be absolute and therefore are presented only as an approximation. Any error or apparent discrepancy in the data shown or omissions of data required for accurately accomplishing the stake out survey shall be referred immediately to the Engineer for interpretation or correction. Engineer may check all or any portion of the work, including lines, elevations and reference marks set by Contractor, and Contractor shall afford all necessary assistance to the Engineer in carrying out such checks. Contractor shall correct any errors disclosed by such check. Such checking by the Engineer shall not be considered as approval of Contractor's work and shall not relieve Contractor of the responsibility for the accuracy and completeness of Contractor's Work. Contractor shall furnish personnel to assist Engineer in checking lines and grades.
- C. It shall be the Contractor's responsibility to verify all reference points shown on the Contract Documents prior to beginning Work on the site. All survey work for construction control purposes shall be made by the Contractor at his expense. This verification shall be conducted by professionally qualified personnel in a manner which will verify the accuracy of the information shown in the Contract Documents. On projects which involve the connections to or additions to existing structures, the elevations of these existing structures shall also be verified. Any findings which differ from those shown on the Contract Documents shall be submitted in writing to the Engineer for resolution.
- D. Contractor shall establish all baselines for the location of the principal component parts of the work together with a suitable number of bench marks and batter boards adjacent to the work. Contractor shall develop and make all detail surveys necessary for construction, including slope stakes, batter boards, stakes for all working points, lines and elevations.
- E. Contractor shall have the responsibility to carefully preserve the bench marks, reference points and stakes, and in the case of destruction thereof by the Contractor or resulting from his negligence, the Contractor shall be charged with the expense and damage resulting therefrom and shall be responsible for any mistakes that may be caused by the unnecessary loss or disturbance of such bench marks, reference points and stakes.
- F. The Contractor shall review the Contract Documents and the Site to determine the presence and location of any property or rights-of-way monuments or markers and to assess the possibility of disruption to these monuments or markers. It will be the Contractor's responsibility to flag, erect guard post or provide offset references for the protection or the re-monumentation of these property or rights-of-way monuments or markers.

- G. Existing or new control points, property markers and monuments that will be or are covered, disturbed or destroyed during the normal causes of construction shall be reestablished by the Contractor and all reference ties recorded therefore shall be furnished to the Engineer. The Contractor shall provide a Licensed Surveyor as Chief of Party, competently qualified men, all necessary instruments, stakes, and other material to perform the work. All computations necessary to establish the exact position of the work shall be made and preserved by the Contractor.
- H. Additional surveys necessary for the construction staking shall be performed by the Contractor, the cost of which shall be incorporated into the appropriate items of Work. On projects in which payment is classified by depth of cut, the construction staking shall be performed in a manner that will allow for the determination of cut classification.
- I. At completion of the work, the Contractor shall furnish Record Drawings indicating the final layout of all structures, roads, existing bench marks, etc. The Record Drawings shall indicate all critical elevations, such as elevations of piping, structures and finish grades.

4.04 Progress Schedule

SC-4.04. Add the following new paragraphs immediately after Paragraph 4.04.B.:

- C. If, in the opinion of the Owner, the Contractor falls behind in meeting the schedule presented in the current monthly Project Schedule Update, the Contractor shall provide such information as may be necessary to show on a revised Project Schedule the steps that will bring it into compliance with the Contract Time requirements or other milestones as identified by the Owner without additional cost to the Owner. Such information shall be submitted to the satisfaction of the Owner prior to the next Project Schedule Update. Compliance with such Submittal requirements shall be a condition precedent to any obligation of the Owner to consider any Application for Payment.

4.05 Delays in Contractor's Progress

SC-4.05.A. Delete Paragraph 4.05.A. in its entirety and insert the following new paragraph in its place:

- A. If Owner, including Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.

SC-4.05. Amend Paragraph 4.05.C. by adding the following subparagraphs:

5. *Weather-Related Delays*

- a. If “abnormal weather conditions” as set forth in Paragraph 4.05.C.2 of the General Conditions are the basis for a request for an equitable adjustment in the Contract Times, such request must be documented by data substantiating each of the following: 1) that weather conditions were abnormal for the period of time in which the delay occurred, 2) that such weather conditions could not have been reasonably anticipated, and 3) that such weather conditions had an adverse effect on the Work as scheduled.
- b. The existence of abnormal weather conditions with regard to precipitation will be determined on a month-by-month basis in accordance with the following:
 - 1) A workday will be considered a “bad weather day”, if total precipitation (as rain equivalent) occurring between 7:00 p.m. on the preceding day (regardless of whether such preceding day is a workday) through 7:00 p.m. on the workday in question equals or exceeds 0.1” of precipitation (as rain equivalent), based on the snow/rain conversion indicated in the table entitled Foreseeable Bad Weather Days; such table is hereby incorporated in this SC-4.05.C by reference.
 - 2) For daily rain amounts in excess of one inch, the Contractor may be awarded one day beyond the number of days calculated as described above. The added day shall be a recovery period for the Contractor to perform Site maintenance, to dewater the Site and to restore erosion control measures before resuming work. Written requests for recovery days shall include a description of work activities performed during the recovery day.

- 3) Contractor shall anticipate the number of foreseeable bad weather days per month indicated in the table in Exhibit B—Foreseeable Bad Weather Days.
- 4) In each month, every bad weather day exceeding the number of foreseeable bad weather days established in the table in Exhibit B—Foreseeable Bad Weather Days will be considered as “abnormal weather conditions.” The existence of abnormal weather conditions will not relieve Contractor of the obligation to demonstrate and document that delays caused by abnormal weather are specific to the planned work activities or that such activities thus delayed were on Contractor’s then-current Progress Schedule’s critical path for the Project.

ARTICLE 5—SITE, SUBSURFACE AND PHYSICAL CONDITIONS, HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 Availability of Lands

SC-5.01.A. Add the following new sentences immediately after the last sentence of Paragraph 5.01.A.:

The Owner shall obtain or cause to be obtained all permanent and temporary construction easements as shown on the Drawings. The Contractor shall verify that these agreements have been obtained and shall comply with the conditions set forth in each agreement.

SC-5.01.B. Delete Paragraph 5.01.B. in its entirety and insert the following new paragraph in its place:

B. Reserved.

SC-5.01.C. Delete Paragraph 5.01.C. in its entirety and insert the following new paragraph in its place:

- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work unless otherwise indicated on the Drawings.

5.02 Use of Site and Other Areas

SC-5.02.A.2. Delete Paragraph 5.02.A.2. in its entirety and insert the following new paragraph in its place:

2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such

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owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and its officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.

SC-5.02. Add the following paragraph immediately following Paragraph 5.02.D.:

- E. *Temporary Access Reinstatement*: When the Work involves disturbance of existing features in or across streets, rights-of-way, easements, or private property, the Contractor shall (as the work progresses) promptly backfill, compact, grade, and otherwise restore the disturbed area to the basic condition which will permit resumption of pedestrian or vehicular traffic and any other critical activity or functions consistent with the original use of the land. The requirements for temporary paving of streets, walks, and driveways are specified elsewhere. Unsightly mounds of earth, large stones, boulders, and debris shall be removed so that the site presents a neat appearance.

5.03 *Subsurface and Physical Conditions*

SC-5.03.D. Amend the first part of the first sentence of Paragraph 5.03.D. to read as follows:

- D. *Limitations of Other Data and Documents*: Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner, or any of its officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

5.04 Differing Subsurface or Physical Conditions

SC-5.04.A. Amend the last paragraph of Paragraph 5.04.A. to read as follows:

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

SC-5.04 Delete Paragraphs 5.04.B., 5.04.C. and 5.04.D. in their entirety and insert the following new paragraphs in their place:

- B. *Engineer's Review:* After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question, determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition, conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A., obtain any pertinent cost or schedule information from Contractor, and determine the need for any change in the Drawings or Specifications.
- C. *Engineer's Statement to Contractor Regarding Site Condition:* Engineer shall issue a written statement to Contractor with its findings, conclusions, and recommendations regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, and indicating whether any change in the Drawings or Specifications will be made.
- D. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review and issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.

SC-5.04.E.4. Delete Paragraph 5.04.E.4. in its entirety and insert the following new paragraph in its place:

- 4. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Engineer's issuance of the Engineer's written statement to Contractor regarding the subsurface or physical condition in question.

5.05 *Underground Facilities*

SC-5.05.B. Amend the last line of Paragraph 5.05.B. by deleting the words "Owner and".

SC-5.05.C Delete Paragraph 5.05.C. in its entirety and insert the following new paragraph in its place:

C. *Engineer's Review:* Engineer will:

1. promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated on the Drawings, or was not shown or indicated with reasonable accuracy;
2. identify and communicate with the owner of the Underground Facility; if necessary, issue any preliminary instructions to Contractor regarding the Contractor's resumption of Work in connection with the Underground Facility in question; and
3. obtain any pertinent cost or schedule information from Contractor; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility.

During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

SC-5.05.D. Delete Paragraph 5.05.D. in its entirety and insert the following new paragraph in its place:

- D. *Engineer's Statement to Contractor Regarding Underground Facility:* Engineer shall issue a written statement to Contractor with its findings, conclusions, and recommendations regarding the Underground Facility in question, addressing the resumption of Work in connection with such Underground Facility, and indicating whether any change in the Drawings or Specifications will be made.

SC-5.05.E. Delete Paragraph 5.05.E. in its entirety and insert the following new paragraph in its place:

- E. *Early Resumption of Work:* If at any time Engineer determines that Work in connection with the Underground Facility may resume prior to completion of Engineer's review or issuance of its statement to Contractor, because the Underground Facility in question and conditions affected by its presence have been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.

SC-5.05.F.3. Delete Paragraph 5.04.F.3. in its entirety and insert the following new paragraph in its place:

3. Contractor may submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than 30 days after Engineer's issuance of the Engineer's written statement to Contractor regarding the Underground Facility in question.

5.06 Hazardous Environmental Conditions

SC-5.06. Add the following new paragraphs immediately after Paragraph 5.06.A.3.:

4. The following table lists the reports known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and the Technical Data (if any) upon which Contractor may rely: **[If there are no such reports, so indicate in the table]**

Report Title	Date of Report	Technical Data
		[Identify Technical Data]

5. The following table lists the drawings known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and Technical Data (if any) contained in such Drawings upon which Contractor may rely: **[If there are no such drawings, so indicate in the table]**

Drawings Title	Date of Drawings	Technical Data
		[Identify Technical Data]

SC-5.06.B. Amend the third sentence of Paragraph 5.06.B. to read as follows:

Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner, or any of its officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

SC-5.06.E. Delete Paragraph 5.06.E. in its entirety and insert the following new paragraph in its place:

- E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within

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the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Engineer (and promptly thereafter confirm such notice in writing). Engineer will determine necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.

SC-5.06.I. Amend the first sentence of Paragraph 5.06.I. to read as follows:

To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor and Subcontractors, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition (1) was not shown or indicated in the Drawings, Specifications, or other Contract Documents, identified as Technical Data entitled to limited reliance pursuant to Paragraph 5.06.B, or identified in the Contract Documents to be included within the scope of the Work, and (2) was not created by Contractor or by anyone for whom Contractor is responsible.

SC-5.06.J. Amend the first sentence of Paragraph 5.06.J. to read as follows:

To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the failure to control, contain, or remove a Constituent of Concern brought to the Site by Contractor or by anyone for whom Contractor is responsible, or to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible.

ARTICLE 6—BONDS AND INSURANCE**6.01 Performance, Payment, and Other Bonds**

SC-6.01.A. Amend the first sentence of Paragraph 6.01.A. to read as follows:

If the Contract Price is equal to or greater than one hundred thousand dollars (\$100,000.00), Contractor shall furnish a performance and a payment bond, each in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract.

SC-6.01.A. Add the following paragraphs immediately after Paragraph 6.01.A.:

1. *Required Performance Bond Form:* The performance bond that Contractor furnishes will be in the form of EJCDC® C-610, Performance Bond (2010, 2013, or 2018 edition).
2. *Required Payment Bond Form:* The payment bond that Contractor furnishes will be in the form of EJCDC® C-615, Payment Bond (2010, 2013, or 2018 edition).

SC-6.01.C. Amend the first sentence of Paragraph 6.01.C. to read as follows:

All bonds must be in the form included in the Bidding Documents or otherwise specified by Owner prior to execution of the Contract, except as provided otherwise by Laws or Regulations, must be issued and signed by a surety named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Department Circular 570 (as amended and supplemented) by the Bureau of the Fiscal Service, U.S. Department of the Treasury, and may not be written for an amount exceeding the amount approved for the surety.

SC-6.01.D. Add the following language after the first sentence of Paragraph 6.01.D.:

If, at any time after the execution of the Agreement between the parties, the Owner shall deem the surety or sureties upon such bond(s) to be unsatisfactory, or if, for any reason, such bond ceases to be adequate to cover the performance of the work or the payment of Subcontractors and/or Subconsultants performing labor and/or work on the Project or furnishing materials in connection therewith, Contractor shall, at no additional expense to the Owner, within five days after receipt of notice from the Owner to do so, furnish an additional bond or bonds in such form and amount and with such surety or sureties as shall be satisfactory to the Owner. In such event, no further payment to Contractor shall be deemed to be due under this Contract until such new or additional security for the faithful

performance of the Work and/or payment of liens and claims has been furnished by Contractor to the Owner in manner and form satisfactory to the Owner.

SC-6.01.E. Delete Paragraph 6.01.E. in its entirety and insert the following new paragraph in its place:

E. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner in writing and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which must comply with the bond and surety requirements above.

6.02 Insurance—General Provisions

SC-6.02.D. Insert the following language immediately after the first sentence of Paragraph 6.02.D.:

Certificates of insurance shall be provided on the standard ACORD form with endorsements and shall reference the Project or Contract to which they apply in the description of operations section.

SC-6.02.G. Delete the second sentence of Paragraph 6.02.G. in its entirety and insert the following new sentence in its place:

Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, including Engineer, or third parties.

SC-6.02.H.1. Amend Paragraph 6.02.H.1. by deleting the words "and Engineer".

6.03 Contractor's Insurance

SC-6.03.C.1. Amend Paragraph 6.03.C.1. by deleting the words "and Engineer".

SC-6.03. Supplement Paragraph 6.03. with the following provisions after Paragraph 6.03.C.:

D. *Other Additional Insureds:* As a supplement to the provisions of Paragraph 6.03.C. of the General Conditions, the commercial general liability, automobile liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies must include as additional insureds (in addition to Owner) the following:

[Additional insured – legal name]

[Additional insured – address]

- E. *Workers' Compensation and Employer's Liability:* Contractor shall purchase and maintain workers' compensation and employer's liability insurance, including, as applicable, United States Longshoreman and Harbor Workers' Compensation Act, Jones Act, stop-gap employer's liability coverage for monopolistic states, and foreign voluntary workers' compensation (from available sources, notwithstanding the jurisdictional requirement of Paragraph 6.02.B of the General Conditions).

Workers' Compensation and Related Policies	Policy limits of not less than:
Workers' Compensation	
State	Statutory
Applicable Federal (e.g., Longshoreman's)	Statutory
Foreign voluntary workers' compensation (employer's responsibility coverage), if applicable	Statutory
Employer's Liability	
Each accident	\$1,000,000.00
Each employee	\$1,000,000.00
Policy limit	\$1,000,000.00

- F. *Commercial General Liability—Claims Covered:* Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against claims for:
1. damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees,
 2. damages insured by reasonably available personal injury liability coverage, and

3. damages because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.
- G. *Commercial General Liability—Form and Content:* Contractor's commercial liability policy must be written on a 1996 (or later) Insurance Services Organization, Inc. (ISO) commercial general liability form (occurrence form) and include the following coverages and endorsements:
1. Products and completed operations coverage.
 - a. Such insurance must be maintained for three years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
 2. Blanket contractual liability coverage, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
 3. Severability of interests and no insured-versus-insured or cross-liability exclusions.
 4. Underground, explosion, and collapse coverage.
 5. Personal injury coverage.
 6. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.
 7. For design professional additional insureds, ISO Endorsement CG 20 32 07 04 "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.
- H. *Commercial General Liability—Excluded Content:* The commercial general liability insurance policy, including its coverages, endorsements, and incorporated provisions, must not include any of the following:
1. Any modification of the standard definition of "insured contract" (except to delete the railroad protective liability exclusion if Contractor is required to indemnify a railroad or others with respect to Work within 50 feet of railroad property).

2. Any exclusion for water intrusion or water damage.
3. Any provisions resulting in the erosion of insurance limits by defense costs other than those already incorporated in ISO form CG 00 01.
4. Any exclusion of coverage relating to earth subsidence or movement.
5. Any exclusion for the insured's vicarious liability, strict liability, or statutory liability (other than worker's compensation).
6. Any limitation or exclusion based on the nature of Contractor's work.
7. Any professional liability exclusion broader in effect than the most recent edition of ISO form CG 22 79.

I. *Commercial General Liability—Minimum Policy Limits*

Commercial General Liability	Policy limits of not less than:
General Aggregate	\$2,000,000.00
Products—Completed Operations Aggregate	\$2,000,000.00
Personal and Advertising Injury	\$1,000,000.00
Bodily Injury and Property Damage—Each Occurrence	\$1,000,000.00

- J. *Automobile Liability:* Contractor shall purchase and maintain automobile liability insurance for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy must be written on an occurrence basis.

Automobile Liability	Policy limits of not less than:
Bodily Injury	

Automobile Liability	Policy limits of not less than:
Each Person	\$1,000,000.00
Each Accident	\$1,000,000.00
Property Damage	
Each Accident	\$1,000,000.00
[or]	
Combined Single Limit	
Combined Single Limit (Bodily Injury and Property Damage)	\$1,000,000.00

- K. *Umbrella or Excess Liability:* Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer's liability, commercial general liability, and automobile liability insurance described in the Paragraphs above. The coverage afforded must be at least as broad as that of each and every one of the underlying policies.

Excess or Umbrella Liability	Policy limits of not less than:
Each Occurrence	\$5,000,000.00
General Aggregate	\$5,000,000.00

- L. *Using Umbrella or Excess Liability Insurance to Meet CGL and Other Policy Limit Requirements:* Contractor may meet the policy limits specified for employer's liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policy's policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy, as specified herein. If such umbrella or excess liability policy was required under this Contract, at a specified minimum policy limit, such umbrella or

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excess policy must retain a minimum limit of **\$5,000,000.00** after accounting for partial attribution of its limits to underlying policies, as allowed above.

- M. *Contractor's Pollution Liability Insurance:* Contractor shall purchase and maintain a policy covering third-party injury and property damage, including cleanup costs, as a result of pollution conditions arising from Contractor's operations and completed operations. This insurance must be maintained for no less than three years after final completion.

Contractor's Pollution Liability	Policy limits of not less than:
Each Occurrence/Claim	\$5,000,000.00
General Aggregate	\$5,000,000.00

- N. *Contractor's Professional Liability Insurance:* If Contractor will provide or furnish professional services under this *Contract*, through a delegation of professional design services or otherwise, then Contractor shall be responsible for purchasing and maintaining applicable professional liability insurance. This insurance must cover negligent acts, errors, or omissions in the performance of professional design or related services by the insured or others for whom the insured is legally liable. The insurance must be maintained throughout the duration of the Contract and for a minimum of two years after Substantial Completion. The retroactive date on the policy must pre-date the commencement of furnishing services on the Project.

- O. *Unmanned Aerial Vehicle Liability Insurance*: If Contractor uses unmanned aerial vehicles (UAV—commonly *referred* to as drones) at the Site or in support of any aspect of the Work, Contractor shall obtain UAV liability insurance in the amounts stated; name Owner, Engineer, and all individuals and entities identified in the Supplementary Conditions as additional insureds; and provide a certificate to Owner confirming Contractor’s compliance with this requirement. Such insurance will provide coverage for property damage, bodily injury or death, and invasion of privacy.

Unmanned Aerial Vehicle Liability Insurance	Policy limits of not less than:
Each Claim	\$1,000,000.00
General Aggregate	\$1,000,000.00

6.04 Builder's Risk and Other Property Insurance

SC-6.04. Supplement Paragraph 6.04. of the General Conditions with the following provisions:

F. *Builder's Risk Requirements:* The builder's risk insurance must:

1. be written on a builder's risk "all risk" policy form that at a minimum includes insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment stored and in transit, and must not exclude the coverage of the following risks: fire; windstorm; hail; flood; earthquake, volcanic activity, and other earth movement; lightning; riot; civil commotion; terrorism; vehicle impact; aircraft; smoke; theft; vandalism and malicious mischief; mechanical breakdown, boiler explosion, and artificially generated electric current; collapse; explosion; debris removal; demolition occasioned by enforcement of Laws and Regulations; and water damage (other than that caused by flood).
 - a. Such policy will include an exception that results in coverage for ensuing losses from physical damage or loss with respect to any defective workmanship, methods, design, or materials exclusions.
 - b. If insurance against mechanical breakdown, boiler explosion, and artificially generated electric current; earthquake, volcanic activity, and other earth movement; or flood, are not commercially available under builder's risk policies, by endorsement or otherwise, such insurance will be provided through other insurance policies acceptable to Owner and Contractor.
2. cover, as insured property, at least the following: (a) the Work and all materials, supplies, machinery, apparatus, equipment, fixtures, and other property of a similar nature that are to be incorporated into or used in the preparation, fabrication, construction, erection, or completion of the Work, including Owner-furnished or assigned property; (b) spare parts inventory required within the scope of the Contract; and (c) temporary works which are not intended to form part of the permanent constructed Work but which are intended to provide working access to the Site, or to the Work under construction, or which are intended to provide temporary support for

- the Work under construction, including scaffolding, form work, fences, shoring, falsework, and temporary structures.
3. cover expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of contractors, engineers, and architects).
 4. extend to cover damage or loss to insured property while in temporary storage at the Site or in a storage location outside the Site (but not including property stored at the premises of a manufacturer or Supplier).
 5. extend to cover damage or loss to insured property while in transit.
 6. allow for the waiver of the insurer's subrogation rights, as set forth in this Contract.
 7. allow for partial occupancy or use by Owner by endorsement, and without cancellation or lapse of coverage.
 8. include performance/hot testing and start-up, if applicable.
 9. include a Builder's Risk Installation Floater, if the Work involves renovation, addition to, altering or remodeling existing Owner facilities with materials, supplies, machinery, fixtures, and equipment valued over \$10,000 to be installed. Coverage shall include any loss to property while in transit, any loss at the Site, and any loss while in storage, both on-site and off-site. The coverage shall also include Contractor's labor, materials and equipment to be used for completion of work performed under this Contract. The minimum amount of coverage to be carried shall be equal to the full amount of the Contractor's labor, equipment, materials, or fixtures to be installed, in-transit, or stored off-site during the performance of this Contract. This installation floater shall include a waiver of subrogation applicable to Owner, Contractor, Engineer, all Subcontractors, and the officers, directors, partners, employees, agents and other consultants and subcontractors of any of them.
 10. be maintained in effect until the Work is complete, as set forth in Paragraph 15.06.D of the General Conditions, or until written confirmation of Owner's procurement of property insurance following Substantial Completion, whichever occurs first.
 11. include as named insureds the Owner, Contractor, Subcontractors (of every tier), and any other individuals or entities required by this Contract to be insured under such builder's risk policy. For purposes of Paragraphs 6.04, 6.05, and 6.06 of the General Conditions, and this and all other corresponding Supplementary Conditions, the parties

required to be insured will be referred to collectively as “insureds.”

12. provide sinkhole coverage, which includes the sudden settlement or collapse of the earth supporting any insured property at the Site.

SC-6.04. Supplement Paragraph 6.04. of the General Conditions with the following provision:

- G. *Coverage for Completion Delays:* The builder’s risk policy will include, for the benefit of Owner, loss of revenue and soft cost coverage for losses arising from delays in completion that result from covered physical losses or damage. Such coverage will include, without limitation, fixed expenses and debt service for a minimum of 12 months with a maximum deductible of 30 days, compensation for loss of net revenues, rental costs, and attorneys’ fees and engineering or other consultants’ fees, if not otherwise covered.

SC-6.04. Supplement Paragraph 6.04 of the General Conditions with the following provisions:

- H. *Builder’s Risk and Other Property Insurance Deductibles:* The purchaser of any required builder’s risk, installation floater, or other property insurance will be responsible for costs not covered because of the application of a policy deductible.
 1. The builder’s risk policy (or if applicable the installation floater) will be subject to a deductible amount of no more than \$10,000.00 for direct physical loss in any one occurrence.

ARTICLE 7—CONTRACTOR’S RESPONSIBILITIES

7.01 Contractor’s Means and Methods of Construction

- SC-7.01.B. Delete the second sentence of Paragraph 7.01.B. in its entirety and insert the following new sentence in its place:

Such services are not Owner-delegated professional design services under this Contract, and Owner has no responsibility with respect to (1) Contractor’s determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 Supervision and Superintendence

- SC-7.02.B. Delete Paragraph 7.02.B. in its entirety and insert the following new paragraph in its place:

- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner except under extraordinary circumstances.

7.03 Labor; Working Hours

- SC-7.03.A. Add the following sentence immediately after the last sentence of Paragraph 7.03.A.:

Should the Owner reasonably object to an individual deployed on the Project by Contractor, Contractor agrees to promptly replace the individual with someone reasonably acceptable to the Owner.

- SC-7.03.B. Amend Paragraph 7.03.B. by deleting the words “and Engineer”.

- SC-7.03. Delete the last two sentences of Paragraph 7.03.C. in their entirety and insert the following new sentences in their place:

Contractor will not perform Work on a Saturday, Sunday, any legal holiday or Owner-observed holiday. Contractor may perform Work outside regular working hours or on Saturdays, Sundays, legal holidays or Owner-observed holidays only with Owner's written consent, which will not be unreasonably withheld.

- SC-7.03.C. Add the following new subparagraphs immediately after Paragraph 7.03.C.:

1. Regular working hours will be **8:00 AM TO 4:30 PM**.
2. Unless otherwise specifically permitted, the normal time of work under this Contract is limited to a 40-hour work week, less recognized holidays.
3. Owner's legal holidays and Owner-observed holidays are:

New Year's Day

Martin Luther King's Birthday

Presidents Day

Memorial Day

Independence Day

Labor Day

Veterans Day

Thanksgiving

Friday after Thanksgiving (Columbus Day Observed)

Christmas Eve

Christmas Day

When the stated holiday falls on Saturday, Owner will observe the preceding Friday; when the stated holiday falls on Sunday, Owner will observe the following Monday. When Christmas Eve and Christmas Day fall on Saturday and Sunday, Owner will observe the following Monday and Tuesday.

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SC-7.03. Add the following new paragraph immediately after Paragraph 7.03.C.:

- C. Approval for Work outside regular scheduled working hours or on Saturdays, Sundays, legal holidays or Owner-observed holidays, shall be requested no less than 48 hours prior to the requested work period. Contractor shall request approval of changes in regular scheduled working hours no less than one week prior to the desired change.
- D. If it shall become imperative to perform work at night, the Owner shall be informed a reasonable time in advance of the beginning of such work. Temporary lighting and all other necessary facilities for performing and inspecting the work shall be provided and maintained by the Contractor.
- E. Unless otherwise specifically permitted, all work that would be subject to damage shall be stopped during inclement, stormy or freezing weather. Only such work that will not suffer injury to workmanship or materials will be permitted. Contractor shall carefully protect Contractor's work against damage or injury from the weather, and when work is permitted during freezing weather, Contractor shall provide and maintain approved facilities for heating the materials and for protecting the finished work.
- F. Contractor shall be responsible for the cost of any overtime pay or other expense incurred by the Owner for Engineer's services (including those of the Resident Project Representative, if any), Owner's representative, and construction observation services, occasioned by the performance of Work on Saturday, Sunday, any legal holiday or Owner-observed holiday, or as overtime on any regular work day. If Contractor is responsible but does not pay, or if the

parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under Article 15.

1. For purposes of administering the foregoing requirement, additional overtime costs are defined as the employees' hourly cost of actual hours spent beyond regular working hours, as defined in SC-7.03.C, as well as the actual cost of additional expenses associated with work outside unapproved regular working hours. Hourly rates will vary depending on classifications of employees involved.
- G. Contractor will not be responsible for extra costs associated with construction observation overtime for work in excess of 40 hours per week when such overtime work is explicitly required by the Contract Documents.

7.06 Substitutes

SC-7.06.B. Amend the first sentence of Paragraph 7.06.B to read as follows:

Engineer's Evaluation and Determination: Engineer will be allowed a reasonable time to evaluate each substitute request.

7.07 Concerning Subcontractors and Suppliers

SC-7.07.D. Add the following sentence immediately after the first sentence of Paragraph 7.07.D.:

The aforementioned Subcontractor or Supplier identity shall at a minimum include name of the firm, name of primary contact, address and contact phone number.

SC-7.07.K. Amend Paragraph 7.07.K. by deleting the words "and Engineer".

SC-7.07.M. Amend Paragraph 7.07.M. by deleting the words "Engineer or".

7.08 Patent Fees and Royalties

SC-7.08.A. Amend the last sentence of Paragraph 7.08.A to read as follows:

If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.

SC-7.08.B. Delete Paragraph 7.08.B. in its entirety and insert the following new paragraph in its place:

B. *Reserved.*

SC-7.08.C Delete Paragraph 7.07.C in its entirety and insert the following new paragraph in its place:

- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner, and its officers, directors, members, partners, employees, agents, consultants and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.09 *Permits*

SC-7.09. Add the following new paragraphs immediately after Paragraph 7.09.A.:

- B. The Contractor shall obtain, keep current and pay all fees for any necessary construction permits, including utility, grading and building permits, from those authorities, agencies, or municipalities having jurisdiction over land areas, utilities, or structures which are located within the Contract limits and which will be occupied, encountered, used, or temporarily interrupted by the Contractor's operations unless otherwise stated. Record copies of all permits shall be furnished to the Engineer.
- C. When construction permits are accompanied by regulations or requirements issued by a particular authority, agency or municipality, it shall be the Contractor's responsibility to familiarize himself and comply with such regulations or requirements as they apply to his operations on this Project.
- D. Contractor shall implement and maintain appropriate Erosion Prevention and Sediment Control (EPSC) measures, as published in the TDOT Standards and Specifications and/or the Tennessee Department of Environment and Conservation (TDEC) Erosion and Sediment Control Handbook.

7.10 *Taxes*

SC-7.10. Add a new paragraph immediately after Paragraph 7.10.A.:

- B. Pursuant to TCA Title 67, Chapter 6, special tax exemptions exist for contractors performing work relating to water pollution control, such as the Owner's wastewater and sewage system. Any contractor providing services or equipment relating to water pollution control shall not include sales and/or use taxes for exempted work on its requests for payment.

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7.11 *Laws and Regulations*

SC-7.11.A Amend the second sentence of Paragraph 7.11.A to read as follows:

Owner shall not be responsible for monitoring Contractor's compliance with any Laws or Regulations.

SC-7.11.B Amend the first sentence of Paragraph 7.11.B to read as follows:

If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action.

SC-7.11. Add the following new paragraphs immediately after Paragraph 7.11.C.:

- D. In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations

and other implementing requirements that the Federal Transit Administration (FTA), Federal Highway Administration (FHWA) and/or Department of Transportation (DOT) may issue. Contractor further agrees that this paragraph will be incorporated by Contractor in all contracts entered into with Suppliers of materials or services, Subcontractors and/or Subconsultants that may perform any labor or services in connection with this Contract.

E. Certification of Eligibility under the Davis-Bacon Act

1. By the execution of this Agreement, the Contractor certifies that neither it nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
2. No part of the Agreement shall be subcontracted to any person or firm ineligible to be awarded contracts by the United States Government by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
3. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C.1001.

F. *Illegal Aliens* – Clarksville Ordinance 30-2006-07 provides as follows:

If any person who contracts to supply goods or services to the city or other city entities, or who submits a bid to contract to supply goods or services to the city or other city entities, is discovered to have knowingly utilized the services of illegal aliens in the performance of such a contract to supply goods or services to the city or other city entities, the purchasing agents shall declare that person to be prohibited from contracting for or submitting a bid for any contract to supply goods or services to the city or other city entities for a period of one (1) year from the date of discovery of the usage of illegal alien services in the performance of a contract to supply goods or services to the city or other city entities.

- G. The Contractor and, if applicable, its subcontractor(s) shall have a license to do business with the City of Franklin in accordance with TCA §67-4-701, *et sequentia*.

7.13 Safety and Protection

SC-7.13.D. Amend Paragraph 7.13.D. by deleting the words “or Engineer”.

SC-7.13. Insert the following after the second sentence of Paragraph 7.13.G.:

The following Owner safety programs are applicable to the Work:

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1. Contractor/Firm/Business Safety Program (Section C-452).

SC-7.13.H. Amend Paragraph 7.13.H. by deleting the words “and Engineer” as well as “and Engineer’s”.

SC-7.13.I. Amend Paragraph 7.13.I. by deleting the words “Owner and”.

SC-7.13. Add the following new paragraph immediately after Paragraph 7.13.J.:

K. Certain aspects of work performed under this Agreement may involve the entry into manholes, tanks, pits, etc. which are defined as confined spaces by the OSHA requirements and which are detailed in the Combined Federal Register 1910.146. The Contractor shall become familiar with all aspects and requirements of this OSHA policy in order for the Contractor to protect its employees and all others involved from the dangers, which may be associated with the limited access and hazardous atmospheres that may exist in these confined spaces. It is the Contractor’s responsibility to become familiar with and institute the various permitting, sampling and other associated safety requirements for confined space entry.

7.16 Submittals

SC-7.16.A.2. Add the following sentence after the last sentence of Paragraph 7.16.A.2.:

Submittals without the Contractor’s stamp of approval will not be reviewed by the Engineer and will be returned to the Contractor.

SC-7.16.A. Add the following new paragraphs immediately after Paragraph 7.16.A.3.:

4. Drawings indicate the extent and general arrangement of the Work. If any departures from the Drawings are deemed necessary by the Contractor to accommodate the materials and equipment he proposes to furnish, details of such departures and reasons therefore shall be submitted as soon as practicable to the Engineer for approval. No such departures shall be made without the prior written approval of the Engineer. Approved changes shall be made without additional cost to the Owner for this work. If the submittals contain any departures from the Contract Documents, and specific mention thereof is not made in the Contractor's letter of transmittal, the review of such submittals shall not constitute approval of the departure.
5. The specific equipment proposed for use by the Contractor on the project may require changes in structures, auxiliary equipment, piping, electrical, mechanical, controls or other work to provide a complete satisfactory operating installation. The Contractor shall submit to the Engineer, for approval, all necessary Drawings and details showing such changes to verify conformance with the overall project structural and architectural requirements and overall project operating performance. The Bid Price shall include all costs in connection with the preparation of new drawings and details and all changes to construction work to accommodate the proposed equipment.

SC-7.16.C.1. Add the following sentence immediately after the last sentence of Paragraph 7.16.C.1.:

Engineer's review will be confined to general arrangement and compliance with the Contract Drawings and Specifications only, and will not be for the purpose of checking dimensions, weights, clearances, fittings, tolerances, interferences, coordination of trades, etc.

SC-7.16.C. Add the following new paragraphs immediately after Paragraph 7.16.C.8.:

9. In the event that the Engineer is required to provide additional engineering services as a result of changes by the Contractor in dimension, weight, power requirements, etc., of the equipment and accessories furnished, or if the Engineer is required to examine

and evaluate any changes proposed by the Contractor for the convenience of the Contractor, then the cost of Engineer's effort and expenses in connection with such additional services shall be charged to the Contractor by the Owner, and Owner may impose a set-off against payments due to Contractor to secure reimbursement for the cost of Engineer's effort and expenses.

10. In the event that the Engineer is required to provide additional engineering services as a result of Contractor's errors, omissions, or failure to conform to the requirements of the Contract Documents, then the cost of Engineer's effort and expenses in connection with such additional services shall be charged to the Contractor by the Owner, and Owner may impose a set-off against payments due to Contractor to secure reimbursement for the cost of Engineer's effort and expenses.

SC-7.16.D.2. Amend Paragraph 7.16.D.2. by deleting the words "to Owner".

SC-7.16.D.3. Amend Paragraph 7.16.D.3. by deleting the words "to Owner".

7.17 Contractor's General Warranty and Guarantee

SC-7.17.D.2. Delete Paragraph 7.17.D.2. in its entirety and insert the following new paragraph in its place:

2. Payment by Owner of any progress or final payment;

7.18 Indemnification

SC-7.18.A. Delete Paragraph 7.18.A. in its entirety and insert the following new paragraph in its place:

- A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner, and its officers, directors, members, partners, employees, agents, consultants and subcontractors, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

SC-7.18.B. Delete Paragraph 7.18.B. in its entirety and insert the following new paragraph in its place:

- B. In any and all claims against Owner, or any of its officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

7.19 Delegation of Professional Design Services

SC-7.19.D. Amend Paragraph 7.19.D. by deleting the words "and Engineer".

SC-7.19.F. Amend Paragraph 7.19.F. by deleting the words "or Engineer".

ARTICLE 8—OTHER WORK AT THE SITE

8.02 *Legal Relationships*

SC-8.03.C. Delete Paragraph 8.03.C. in its entirety and insert the following new paragraph in its place:

- C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim

arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor or Owner, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless Owner, and its officers, directors, members, partners, employees, agents, consultants and subcontractors, from and against any such claims, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such damage, delay, disruption, or interference.

ARTICLE 9—OWNER'S RESPONSIBILITIES

No Supplementary Conditions in this Article.

ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION

10.02 Visits to Site

SC-10.02.A. Delete the last sentence of Paragraph 10.02.A. in its entirety.

10.03 Resident Project Representative

SC-10.03.A. Delete Paragraph 10.03.A. in its entirety and insert the following new paragraph in its place:

- A. If Owner deems necessary, Engineer will furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in the Supplementary Conditions and in Paragraph 10.07.

10.06 Decisions on Requirements of Contract Documents and Acceptability of Work

SC-10.06.A. Delete the second sentence of Paragraph 10.06.A. in its entirety and insert the following new sentence in its place:

In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Contractor or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.08 Compliance with Safety Program

SC-10.08.A. Delete Paragraph 10.08.A. in its entirety and insert the following paragraph in its place:

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- A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Contractor's safety programs of which Engineer has been informed.

ARTICLE 11—CHANGES TO THE CONTRACT

11.01 Amending and Supplementing the Contract

SC-11.01.C. Delete the last sentence of Paragraph 11.01.C. in its entirety.

11.02 Change Orders

SC-11.02.A.2. Delete Paragraph 11.02.A.2. in its entirety and insert the following new paragraph in its place:

- 2. *Reserved.*

SC-11.02.A.3. Delete Paragraph 11.02.A.3. in its entirety and insert the following new paragraph in its place:

- 3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties; and

11.05 Owner-Authorized Changes in the Work

SC-11.05.A. Delete the second sentence of Paragraph 11.05.A. in its entirety.

11.09 Change Proposals

SC-11.09.B.2. Amend the first sentence of Paragraph 11.09.B.2. by deleting the words "and Owner".

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SC-11.09.B.3. Delete the first sentence of Paragraph 11.09.B.3. in its entirety.

SC-11.09.B.4. Amend Paragraph 11.09.B.4. by deleting the words “Owner and” and deleting the words “either Owner or”.

SC-11.09.B.5. Amend Paragraph 11.09.B.5. by deleting the words “Owner and” and deleting the words “Owner or”.

SC-11.09.C. Delete Paragraph 11.09.C. in its entirety and insert the following in its place:

C. *Reserved*

ARTICLE 12—CLAIMS

12.01 Claims

SC-12.01.A Delete Paragraph 12.01.A. in its entirety and insert the following new paragraph in its place:

- A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:
1. Appeals by Contractor of Engineer’s decisions regarding Change Proposals;
 2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;
 3. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.

SC-12.01.C Amend the last sentence of Paragraph 12.01.C to read as follows:

All actions taken on a Claim shall be stated in writing and submitted to the other party.

ARTICLE 13—COST OF WORK; ALLOWANCES, UNIT PRICE WORK

13.01 Cost of the Work

SC-13.01.B.3. Amend the second sentence of Paragraph 13.01.B.3. to read as follows:

If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, which bids, if any, will be acceptable.

13.02 Allowances

SC-13.02.A Amend Paragraph 13.02.A. by deleting the words “and Engineer”.

SC-13.02.D Amend Paragraph 13.02.D. by deleting the words “as recommended by Engineer”.

13.03 Unit Price Work

SC-13.03.D. Amend the last sentence of Paragraph 13.03.D. by deleting the words “Owner and”.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK

14.01 Access to Work

SC-14.01.A. Amend the first sentence of Paragraph 14.01.A. to read as follows:

Owner, its consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing.

14.02 Tests, Inspections, and Approvals

SC-14.02.D.2. Amend Paragraph 14.02.D.2. by deleting the words “Owner’s and”.

SC-14.02.D Amend the last sentence of Paragraph 14.02.D. by deleting the words “Owner and”.

SC-14.02.E Delete Paragraph 14.02.E in its entirety and insert the following new paragraph in its place:

E. If the Contract Documents require the Work (or part thereof) to be approved by Owner, including Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.

14.03 Defective Work

SC-14.03.C Delete Paragraph 14.03.C in its entirety and insert the following new paragraph in its place:

C. *Notice of Defects:* Prompt notice of all defective Work of which Owner has actual knowledge will be given to Contractor.

14.07 Owner May Correct Defective Work

SC-14.07.B Amend the last sentence of Paragraph 14.07.B to read as follows:

Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Owner's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.

ARTICLE 15—PAYMENTS TO CONTRACTOR, SET OFFS; COMPLETIONS; CORRECTION PERIOD

15.01 Progress Payments

SC-15.01.B.1. Amend the first sentence of Paragraph 15.01.B.1. to read as follows:

At least 30 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.

SC-15.01.B.2. Add the following language at the end of Paragraph 15.01.B.2.:

The certificate of property insurance shall list the Owner as additional insured and must, at a minimum, include the following information:

- a. Location of property stored;
- b. Invoice number or itemized information including the description of stored items, such as tag number, manufacturer, etc.
- c. Cost or value of materials or equipment stored.

Off-site storage locations shall be secure and provide proper protection from unauthorized removal, pilferage and theft and shall protect material from negative effects of weather, water damage, insect and rodent infestation, deterioration because of dust, temperature, static electricity and humidity. If applicable, materials must be supported, piled or arranged in accordance with manufacturer's recommendations and warranty requirements. Materials shall be clearly labeled to identify the component. Owner reserves the right to periodically inspect off-site stored materials without notice and may, if applicable, require certification by manufacturer's representative. If detailed information received by Contractor of manufacturer's representative is not of sufficient detail or markings are not adequate to complete verification of stored materials proposed for payment, then Contractor's request will be denied. If Contractor's off-site

location request is approved, Contractor shall allow a minimum 30-day review prior to inclusion on Contractor's application for payment due to required coordination. If review of the off-site storage location for materials or equipment, that have previously been included on Contractor's Application for Payment and paid by Owner, reveals that storage conditions have changed or materials or equipment show visible damage, Contractor shall deduct the cost of such materials or equipment on the next Application for Payment. Contractor shall notify Engineer if materials stored off-site are moved and stored on site. If material or equipment is not in acceptable condition when delivered to the project Site, Contractor shall not incorporate it into the Work and cost of material or equipment must be deducted from Contractor's next Application for Payment.

SC-15.01.C.1. Delete the first sentence of Paragraph 15.01.C.1. in its entirety and insert the following new sentence in its place:

Engineer will, within 10 days after receipt of each Application for Payment, including each resubmittal, either approve payment or return the Application to Contractor indicating in writing Engineer's reasons for refusing to approve payment.

SC-15.01.C.2. Amend the first sentence of Paragraph 15.01.C.2. to read as follows:

Engineer's approval of any payment requested in an Application for Payment will constitute a representation by Engineer, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

SC-15.01.C.3. Amend the first sentence of Paragraph 15.01.C.3. to read as follows:

By approving any such payment Engineer will not thereby be deemed to have represented that:

SC-15.01.C.4. Amend the first sentence of Paragraph 15.01.C.4. to read as follows:

Neither Engineer's review of Contractor's Work for the purposes of approving payments nor Engineer's approval of any payment, including final payment, will impose responsibility on Engineer:

SC-15.01.C.5. Amend Paragraph 15.01.C.5. by deleting the words "to Owner".

SC-15.01.C.6. Amend the first sentence of Paragraph 15.01.C.6 to read as follows:

Engineer may reduce payment (set-off) necessary in Engineer's opinion to protect Owner from loss because:

SC-15.01.D.1. Amend the first sentence of Paragraph 15.01.D.1. to read as follows:

Twenty days after presentation of the Application for Payment to Owner with Engineer's approval, the amount approved (subject to any Owner set-offs) will become due, and when due will be paid by Owner to Contractor.

SC-15.01.E.1. Amend the first sentence of Paragraph 15.01.E.1. to read as follows:

In addition to any reductions in payment (set-offs) by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:

SC-15.01.E.1.k. Insert the following paragraphs after Paragraph 15.01.E.1.k. and renumber subsequent paragraphs accordingly:

- l. any fines levied against the Owner for failure of Contractor to adhere to permit requirements or to abide by laws and regulations;
- m. Owner has incurred extra charges or engineering costs related to Contractor's work outside regular working hours;
- n. Owner has incurred extra costs related to failure of Contractor to perform periodic cleanup and basic restoration of the Site satisfactory to the Engineer;

SC-15.01.E.2. Amend the first sentence of Paragraph 15.01.E.2. to read as follows:

If Owner imposes any set-off against payment, Owner will give Contractor immediate written notice stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld.

15.03 Substantial Completion

SC-15.03.A. Amend Paragraph 15.03.A. by deleting the words "Owner and" in the first and second sentence.

SC-15.03.B. Amend the first sentence of Paragraph 15.03.B. to read as follows:

Promptly after Contractor's notification, Owner, including Engineer, and Contractor shall make an inspection of the Work to determine the status of completion.

SC-15.03.B. Add the following new subparagraph to Paragraph 15.03.B.:

1. If some or all of the Work has been determined not to be at a point of Substantial Completion and will require re-inspection or re-testing by Engineer, the cost of such re-inspection or re-testing, including the cost of time, travel and living expenses, will be paid by Contractor to Owner. If Contractor does not pay, or the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under this Article 15.

SC-15.03.C. Delete Paragraph 15.03.C. in its entirety and insert the following new paragraph in its place:

- C. If Engineer considers the Work substantially complete, Engineer will, within 14 days, execute and deliver to Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected).

SC-15.03.D. Amend the first sentence of Paragraph 15.03.D. to read as follows:

At the time of receipt of the Contractor's request for issuance of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work under a permanent property insurance policy held by Owner.

15.04 Partial Use or Occupancy

SC-15.04.A Amend the first sentence of Paragraph 15.04.A to read as follows:

Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, including Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

SC-15.04.A.1. Amend the second sentence of Paragraph 15.04.A.1. to read as follows:

If and when Contractor agrees that such part of the Work is substantially complete, Contractor and Owner, including Engineer, will follow the procedures of Paragraph 15.03.A through E for that part of the Work.

SC-15.04.A.2. Amend Paragraph 15.04.A.2. by deleting the words "Owner and".

SC-15.04.A.3. Amend the first and second sentence of Paragraph 15.04.A.3. to read as follows:

Within a reasonable time after either such request, Owner, including Engineer, and Contractor shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

15.05 Final Inspection

SC-15.05.A. Amend Paragraph 15.05.A. by deleting the words "Owner and".

SC-15.05. Add the following new paragraph immediately after Paragraph 15.05.A.:

- B. Final cleaning and repairing shall be so arranged as to be finished upon completion of the construction work. The Contractor will make his final cleaning and repairing, and any portion of the work finally inspected and accepted by the Engineer shall be kept clean by the Contractor, until the final acceptance of the entire Work.

15.06 Final Payment

SC-15.06.B. Delete Paragraph 15.06.B. in its entirety and insert the following new paragraph in its place:

- B. *Engineer's Review of Final Application and Recommendation of Payment:* If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within 10 days after receipt of the final Application for Payment, indicate in writing Engineer's approval of final payment and present the Application for Payment to Owner for payment. Such approval shall account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments.

SC-15.06.C. Delete Paragraph 15.06.C in its entirety and insert the following new paragraph in its place:

- C. *Notice of Acceptability:* Engineer's payment approval of the final Application for Payment, will serve as Engineer's notice that the Work is acceptable, subject to stated limitations in the notice and to the provisions of Paragraph 15.07.

SC-15.06.D. Delete Paragraph 15.06.D. in its entirety and insert the following new paragraph in its place:

- D. *Completion of Work*: The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written approval of final payment.

SC-15.06.E. Delete Paragraph 15.06.E. in its entirety and insert the following new paragraph in its place:

E.. *Final Payment Becomes Due*: Upon receipt from Engineer of the final Application for Payment and accompanying documentation, Owner shall set off against the amount approved by Engineer for final payment any further sum to which Owner is entitled, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions of this Contract with respect to progress payments. Owner shall pay the resulting balance due to Contractor within 30 days of Owner's receipt of the final Application for Payment from Engineer.

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

16.01 Owner May Suspend Work

SC-16.01.A. Amend the first sentence of Paragraph 16.01.A. by deleting the words "and Engineer".

SC-16.01. Add the following new paragraph immediately after Paragraph 16.01.A.:

- B. Should the Resident Project Representative (RPR) or Owner's Site Representative (OSR) suspend Work due to unsafe Work conducted by the Contractor, Contractor shall not resume Work until re-inspected by Owner's safety personnel or by subsequent inspection by Tennessee OSHA. The Contractor shall not be allowed any adjustment in Contract Price or extension of Contract Time attributed to this delay.

16.02 Owner May Terminate for Cause

SC-16.02.A.4. Delete Paragraph 16.02.A.4. in its entirety and insert the following new paragraph in its place:

4. Contractor's repeated disregard of the authority of Owner, including Engineer.

SC-16.02.E. Amend the fourth sentence of Paragraph 16.02.E. to read as follows:

Such claims, costs, losses, and damages incurred by Owner will be incorporated in a Change Order.

16.03 Owner May Terminate for Convenience

SC-16.03.A Amend the first sentence of Paragraph 16.03.A. by deleting the words “and Engineer”.

16.04 Contractor May Stop Work or Terminate

SC-16.04.A. Delete paragraph 16.04.A. in its entirety and insert the following new paragraph in its place:

- A. If, through no act or fault of Contractor, (1) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (3) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon 7 days written notice to Owner, and provided Owner does not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.

SC-16.04.B. Amend the first sentence of Paragraph 16.04.B. to read as follows:

In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, 7 days after written notice to Owner, stop the Work until payment is made of all such amounts due Contractor.

ARTICLE 17—FINAL RESOLUTIONS OF DISPUTES

17.01 Methods and Procedures

SC-17.01. Delete paragraph 17.01.B.3. in its entirety and insert the following new paragraph in its place:

3. if no dispute resolution process is provided for in the Supplementary Conditions or mutually agreed to, either party may submit the dispute to the exclusive jurisdiction and venue of the state courts located in Williamson County, Tennessee, and both parties specifically agree to be bound by the jurisdiction and venue thereof.

17.02 Attorneys' Fees

EJCDC® C-800, Supplementary Conditions of the Construction Contract.

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SC-17.02. Add the following new Paragraph immediately after Paragraph 17.01.:

17.02. Attorneys' Fees

- A. For any matter subject to final resolution under this Article, each party shall bear its own attorney's fees, expert fees and any discretionary costs.

ARTICLE 18—MISCELLANEOUS

18.01 Giving Notice

SC-18.01. Delete the first two lines of Paragraph 18.01.A. in their entirety and replace with the following:

Whenever any provision of the Contract requires the giving of written notice to Owner, including Engineer, or Contractor, it will be deemed to have been validly given only if delivered to the party's designated representative:

18.04 Limitation of Damages

SC-18.04.A Delete Paragraph 18.04.A in its entirety and insert the following new paragraph in its place:

- A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor any of its officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

18.11 *Right to Inspect Records*

SC-18.11. Add the following new paragraph immediately after Paragraph 18.10.:

18.11 *Right to Inspect Records*

- A. Contractor shall establish a reasonable invoice accounting system, which enables ready identification of contractor costs of goods and use of funds relating to the Work performed under the Contract. The Owner or its representative may audit the Contractor's records any time during the Contract Time and for an additional period of four years after final payment or until all disputed claims have been settled, whichever is longer, to verify the Owner's payment obligation and the use of the Owner's funds. This right to audit shall include all supporting documentation of subcontractors' invoices for goods or services that are subcontracted by the Contractor. Any disputed claims will be verified by an independent auditor at the cost of the Owner unless the Contractor is found to have overcharged the Owner in which case the Contractor will pay the cost of the audit as well as repay all overcharges.
- B. Contractor agrees to cooperate with and make reasonable accommodation to Owner for audit or financial examination purposes. Contractor further agrees that failure to cooperate or to carry out the requirements set forth in Paragraph 18.11. shall constitute a breach of contract and may result in termination of this Contract by the Owner.
- C. This Paragraph 18.11. shall not be construed to limit, revoke, or abridge any other rights, powers, or obligations relating to audit which the Owner may have by Federal, State, or Municipal law, whether those rights, powers, or obligations are express or implied.

EXHIBIT A—SOFTWARE REQUIREMENTS FOR ELECTRONIC DOCUMENT EXCHANGE**[MODIFY TABLE TO CONFORM TO PROJECT-SPECIFIC REQUIREMENTS.]**

Item	Electronic Documents	Transmittal Means	Data Format	Note (*)
a.1	General communications, transmittal covers, meeting notices and responses to general information requests for which there is no specific prescribed form.	Email	Email	
a.2	Meeting agendas, meeting minutes, RFI’s and responses to RFI’s, and Contract forms.	Email w/ Attachment	PDF	(**)
a.3	Contactors Submittals (Shop Drawings, “or equal” requests, substitution requests, documentation accompanying Sample submittals and other submittals) to Engineer, and Engineer’s responses to Contractor’s Submittals, Shop Drawings, correspondence, and Applications for Payment.	Email w/ Attachment	PDF	
a.4	Correspondence; milestone and final version Submittals of reports, layouts, Drawings, maps, calculations and spreadsheets, Specifications, Drawings and other Submittals from Contractor to Owner or Engineer and for responses from Engineer and Owner to Contractor regarding Submittals.	Email w/ Attachment or LFE	PDF	
a.5	Layouts and drawings to be submitted to Owner for future use and modification.	Email w/ Attachment or LFE	DWG	
a.6	Correspondence, reports and Specifications to be submitted to Owner for future word processing use and modification.	Email w/ Attachment or LFE	DOC	
a.7	Spreadsheets and data to be submitted to Owner for future data processing use and modification.	Email w/ Attachment or LFE	EXC	
a.8	Database files and data to be submitted to Owner for future data processing use and modification.	Email w/ Attachment or LFE	DB	
Notes				
(*)	All exchanges and uses of transmitted data are subject to the appropriate provisions of Contract Documents.			
(**)	Transmittal of written notices is governed by Paragraph 18.01 of the General Conditions.			
Key				
Email	Standard Email formats (.htm, .rtf, or .txt). Do not use stationery formatting or other features that impair legibility of content on screen or in printed copies			
LFE	Agreed upon Large File Exchange method (FTP, CD, DVD, hard drive)			
PDF	Portable Document Format readable by Adobe® Acrobat Reader			
DWG	Autodesk® AutoCAD .dwg format			
DOC	Microsoft® Word .docx format Version Word 2010 or later			
EXC	Microsoft® Excel .xls or .xml format Version Excel 2010 or later			
DB	Microsoft® Access .mdb format Version Access 2010 or later			

**Exhibit A—Software Requirements for Electronic Document Exchange.
EJCDC® C-800, Supplementary Conditions of the Construction Contract.**

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EXHIBIT B—FORESEEABLE BAD WEATHER DAYS

Month	Number of Foreseeable Bad Weather Days in Month Based on Precipitation as Rain Equivalent (inches) (*)
January	5
February	5
March	6
April	6
May	6
June	6
July	5
August	4
September	4
October	4
November	5
December	6

Notes:

- * Two inches of sleet equal one inch of rain. Five inches of wet, heavy snow equal one inch of rain. Fifteen inches of “dry” powder snow equals one inch of rain

Exhibit B—Foreseeable Bad Weather Days.**EJCDC® C-800, Supplementary Conditions of the Construction Contract.**

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PROJECT MANUAL

SEWER SYSTEM IMPROVEMENTS – REPLACEMENT OF HOLIDAY COURT PUMPING STATION

City of Franklin, TN

June 2017



Hethcoat & Davis, Inc.
278 Franklin Road, Suite 200
Brentwood, Tennessee 37027
615-577-4300

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City of Franklin Addendum No. 1 to

Purchasing Office Solicitation No.: 2020-017

1. Solicitation identified: This Addendum No. 1 applies to the following procurement solicitation:

Holiday Court sewer system improvements

Purchasing Office Solicitation No.: 2020-017

2. Notice to Bidders publication date: **January 2, 2020**
3. Solicitation release date: **January 2, 2020**
4. Addendum No. 1 release date: **January 23, 2020**
5. Deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise any aspect of this procurement solicitation: **January 23, 2020, 2:00 p.m. Central Time**
January 27, 2020, 2:00 p.m. Central Time
6. Bids submittal deadline and scheduled opening: **February 4, 2020, 2:00 p.m. Central Time**
7. Tentative date of release of City's tabulation of bids received and notice of intent to award: **February 14, 2020**
8. Tentative date of award: Meeting of Board of Mayor and Aldermen at which is tentatively scheduled to be awarded the selection of the lowest and best responsive and responsible bid: **February 25, 2020**
9. Addendum:

In reference to the City of Franklin's January 2, 2020 Purchasing Office Solicitation No. 2020-017 for Holiday Court sewer system improvements, the City has determined that certain aspects of the solicitation need to be revised, and the City has been asked certain questions about the solicitation by one or more contractors who are potential bidders.

The purpose of this Addendum No. 1 is (a) to announce the City's determination to revise the package of front-end documents released with the package of bid solicitation documents, (b) to release the package of bid solicitation documents as revised to date, and (c) to announce the City's responses to the questions that have been asked to date.

Please note that the submittal deadline and scheduled opening of all bids received remains unchanged and is:

February 4, 2020, 2:00 p.m. Central Time

City of Franklin Addendum No. 1 to

Purchasing Office Solicitation No.: 2020-017

The following document included in the package of bid solicitation documents has now been revised and is included, as revised, in the package of bid solicitation documents as revised to date and released with this Addendum No. 1:

- a. Drawings for Holiday Court sewer system improvements

The following documents not included in the package of front-end documents released with the package of bid solicitation documents have now been added to the package of bid solicitation documents as revised to date and released with this Addendum No. 1:

- a. C-111 ("Advertisement for Bids")
- b. C-300 ("State Contractor License Information Form")
- c. C-410 ("Bid Form")
- d. C-430 ("Bid Bond")
- e. C-451 ("Qualifications Statement")
- f. C-452 ("Contractor Business Safety Program")
- g. C-453 ("Conflict of Interest Statement")
- h. C-454 ("Drug-Free Workplace Affidavit")
- i. C-455 ("Attestation Regarding Illegal Immigrants or Aliens")
- j. C-456 ("Iran Divestment Act Certification")
- k. C-470 ("Statement of No Bid")
- l. C-610 ("Performance Bond")
- m. C-615 ("Payment Bond")

Below are the questions asked to date and the City's responses thereto:

Q1: Do you anticipate extending the bid due date?

A1: Not at this time. However, please note that, by this Addendum No. 1, the deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise any aspect of this procurement solicitation has been postponed to January 27, 2020, 2:00 p.m. Central Time.

Q2: What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?

A2: Please see Article 13 ("Basis of Bid") of the Instructions to Bidders for Construction Contract.

Q3: Was this bid posted to the nationwide free bid notification website at www.mygovwatch.com?

A3: Not by the City of Franklin, Tennessee.

Q4: Other than your own website, where was this bid posted?

A4: On the Vendor Registry website (<https://vendorregistry.com/>).

Q5: Could you please advise what the value of this project is?

A5: The engineer's opinion of construction cost is, in total, \$564,000.

Q6: What is the estimated construction cost?

City of Franklin Addendum No. 1 to

Purchasing Office Solicitation No.: 2020-017

A6: Please see A5 above.

Q7: I would like to request a plan-holders or bidders list.

A7: The City is not maintaining such a list for this project.

Q8: I would like to confirm that the bid date and time are unchanged.

A8: Please see A1 above.

Q9: Could you provide a cost estimate?

A9: Please see A6 above.

10. Acknowledge addendum: Bidders shall acknowledge this addendum on their submitted Bid Form.

11. Questions seeking to clarify or revise the procurement solicitation: Questions seeking to clarify or revise any aspect of the procurement solicitation shall be submitted by contacting:

City of Franklin Purchasing Office
Franklin City Hall, Suite 107
109 3rd Ave. South
Franklin, TN 37064
purchasing@franklintn.gov
Tel: 615-550-6692
Fax: 615-550-0079

Such questions of a non-procedural nature shall be submitted before the deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise the procurement solicitation.

Such questions of a procedural nature may be submitted either before or after the deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise the procurement solicitation.

Depending upon the inquiry, the City may request that the question seeking to clarify or revise any aspect of the procurement solicitation be submitted in writing, and the City may choose to announce, typically in the form of an addendum, both the inquiry and the City's response thereto.

12. Communication with City during procurement phase: Any questions seeking to clarify or revise any aspect of the procurement solicitation should be addressed to the City as described above. Until the procurement award has been made, contractors shall not communicate about either the content of or the procurement process pertaining to this procurement solicitation with any official, employee or other representative of the City except through the City's Purchasing Office. The City reserves the right to disqualify any contractor that initiates unauthorized communication with the City during the procurement phase (that is, the period of time between when the procurement solicitation has been posted on the [Business Opportunities webpage](https://www.franklintn.gov) of the City's website (<https://www.franklintn.gov/>) and when the procurement award has been made).

City of Franklin Addendum No. 2 to

Purchasing Office Solicitation No.: 2020-017

1. Solicitation identified: This Addendum No. 2 applies to the following procurement solicitation:

Holiday Court sewer system improvements

Purchasing Office Solicitation No.: 2020-017

2. Notice to Bidders publication date: **January 2, 2020**
3. Solicitation release date: **January 2, 2020**
4. Addendum No. 1 release date: **January 23, 2020**
5. Addendum No. 2 release date: **January 24, 2020**
6. Deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise any aspect of this procurement solicitation: **January 27, 2020, 2:00 p.m. Central Time**
7. Bids submittal deadline and scheduled opening: **February 4, 2020, 2:00 p.m. Central Time**
8. Tentative date of release of City's tabulation of bids received and notice of intent to award: **February 14, 2020**
9. Tentative date of award: Meeting of Board of Mayor and Aldermen at which is tentatively scheduled to be awarded the selection of the lowest and best responsive and responsible bid: **February 25, 2020**

10. Addendum:

In reference to the City of Franklin's January 2, 2020 Purchasing Office Solicitation No. 2020-017 for Holiday Court sewer system improvements, the City has determined that certain aspects of the solicitation need to be further revised by releasing Section C-300 ("State Contractor License Information Form"). The purpose of this Addendum No. 2 is to release Section C-300 which is attached to this Addendum No. 2.

Please note that the submittal deadline and scheduled opening of all bids received remains unchanged and is:

February 4, 2020, 2:00 p.m. Central Time

City of Franklin Addendum No. 2 to

Purchasing Office Solicitation No.: 2020-017

11. Acknowledge addendum: Bidders shall acknowledge this addendum on their submitted Bid Form.

12. Questions seeking to clarify or revise the procurement solicitation: Questions seeking to clarify or revise any aspect of the procurement solicitation shall be submitted by contacting:

City of Franklin Purchasing Office
Franklin City Hall, Suite 107
109 3rd Ave. South
Franklin, TN 37064
purchasing@franklintn.gov
Tel: 615-550-6692
Fax: 615-550-0079

Such questions of a non-procedural nature shall be submitted before the deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise the procurement solicitation.

Such questions of a procedural nature may be submitted either before or after the deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise the procurement solicitation.

Depending upon the inquiry, the City may request that the question seeking to clarify or revise any aspect of the procurement solicitation be submitted in writing, and the City may choose to announce, typically in the form of an addendum, both the inquiry and the City's response thereto.

13. Communication with City during procurement phase: Any questions seeking to clarify or revise any aspect of the procurement solicitation should be addressed to the City as described above. Until the procurement award has been made, contractors shall not communicate about either the content of or the procurement process pertaining to this procurement solicitation with any official, employee or other representative of the City except through the City's Purchasing Office. The City reserves the right to disqualify any contractor that initiates unauthorized communication with the City during the procurement phase (that is, the period of time between when the procurement solicitation has been posted on the [Business Opportunities webpage](https://www.franklintn.gov) of the City's website (<https://www.franklintn.gov/>) and when the procurement award has been made).

SECTION C-300**STATE CONTRACTOR LICENSE INFORMATION FORM***Complete applicable portions of this form and attach to the outside of envelope containing the Bid***Bidder/Prime Contractor Name:** _____

Street Address: _____

City, State, Zip: _____

If bid amount is \$25,000 or greater, Bidder shall complete Tennessee Contractor License Information:

License No.: _____

Expiration Date: _____

License Classification: _____

License Limit: _____

Electrical Contractor

(should subcontract portion be \$25,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Plumbing Contractor

(should subcontract portion be \$25,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Heating, Ventilation and Air Conditioning (HVAC) Contractor

(should subcontract portion be \$25,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Vertical Closed Loop Geothermal Heating and Cooling Contractor

(should subcontract portion be \$25,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Roofing Contractor

(should subcontract portion be \$25,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Masonry Contractor

(should subcontract portion be \$100,000 or greater, Tennessee Contractor License Information shall also be provided)

Name: _____

License No.: _____

License Classification: _____

License Expiration Date: _____

License Limit: _____

Per Tennessee Department of Commerce & Insurance Board for Licensing Contractors Rule 0680-01-.24 (2): Award of the subcontract to one not listed on the base bid envelope in violation of T.C.A. §62-6-119 will be subject to review and disciplinary action by the Board.

Contractor's Authorized Agent: _____

EJCDC® C-200, Instructions to Bidders for Construction Contract.

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City of Franklin Addendum No. 3 to

Purchasing Office Solicitation No.: 2020-017

1. Solicitation identified: This Addendum No. 3 applies to the following procurement solicitation:

Holiday Court sewer system improvements

Purchasing Office Solicitation No.: 2020-017

2. Notice to Bidders publication date: **January 2, 2020**
3. Solicitation release date: **January 2, 2020**
4. Addendum No. 1 release date: **January 23, 2020**
5. Addendum No. 2 release date: **January 24, 2020**
6. Deadline for optional submittal in writing of questions of a non-procedural nature seeking to clarify or revise any aspect of this procurement solicitation: **January 27, 2020, 2:00 p.m. Central Time**
7. Addendum No. 3 release date: **January 29, 2020**
8. Bids submittal deadline and scheduled opening: **February 4, 2020, 2:00 p.m. Central Time**
9. Tentative date of release of City's tabulation of bids received and notice of intent to award: **February 14, 2020**
10. Tentative date of award: Meeting of Board of Mayor and Aldermen at which is tentatively scheduled to be awarded the selection of the lowest and best responsive and responsible bid: **February 25, 2020**

City of Franklin Addendum No. 3 to

Purchasing Office Solicitation No.: 2020-017

11. Addendum:

In reference to the City of Franklin's January 2, 2020 Purchasing Office Solicitation No. 2020-017 for Holiday Court sewer system improvements, the City has determined that certain aspects of the solicitation need to be further revised, and the City has been asked certain additional questions about the solicitation by one or more contractors who are potential bidders.

The purpose of this Addendum No. 3 is (a) to announce the City's determination to revise the package of front-end documents released with the package of bid solicitation documents, (b) to release Section C-452 ("Contractor / Firm / Business Safety Program") which is attached to this Addendum No. 3, and (c) to announce the City's responses to the additional questions that have been asked since issuance of Addenda Nos. 1 and 2.

Please note that the submittal deadline and scheduled opening of all bids received remains unchanged and is:

February 4, 2020, 2:00 p.m. Central Time

The following document included in the package of bid solicitation documents as previously revised and released with Addendum No. 1 has now been revised and is attached to and released with this Addendum No. 3:

- a. Section C-452 ("Contractor / Firm / Business Safety Program") has been revised on p. 8 of 9 by deleting the name and title of the City official listed for approval.

Below are the additional questions asked since issuance of Addenda Nos. 1 and 2 and the City's responses thereto:

Q1: [Section C-111] ("Advertisement for Bids") [hereafter, "AFB"] describes the scope of work to include CIPP of 956 LF of 30" & 36" diameter sewer, etc. I'm sure the AFB was copied from a previous job and this is just an oversight that will not impact the Holiday Court bid, correct?

A1: Bidders shall disregard the scope of work as indicated in the AFB. By this Addendum No. 3, City hereby revises the scope of work as indicated in the AFB to read as follows:

The Project includes the following Work:

The work to be performed (Work) consists of the installment of approximately 997 linear feet of 6-inch diameter DIP Pressure Class 350 with Protecto 401 lining force main, demolition of an existing sewer lift station and installation of a new 300 gpm sanitary sewer lift station, 10-inch dip gravity sewer pipe, manhole(s) installation, SCADA installation and pavement / concrete repair as shown on the contract drawings and specifications. Contractor shall provide all necessary materials, labor and equipment to complete the Work.

City of Franklin Addendum No. 3 to

Purchasing Office Solicitation No.: 2020-017

Q2: The AFB also states that two sets of bidding documents, one original and one copy, shall be submitted, although Article 14 refers to only one set.

A2: Bidders shall disregard the number of sets of bidding documents as indicated in the AFB; Article 14 (“Submittal of Bid”) of Section C-200 (“Instructions to Bidders for Construction Contract”) accurately reflects the City’s requirements regarding the number of sets of bidding documents.

Q3: The AFB states that each bidder must include with the bid a completed and signed Statement of Qualifications, Contractor Safety Information and Acknowledgement of Receipt of Contractor Safety Program. Articles 3.01 and 3.02, under [Section] C-200, state that written evidence of bidder’s qualifications to be submitted within seven days of Owner’s request, while Article 3.03 [of Section C-200] states this information be submitted with the Bid. I note that Article 2, under [Section] C-410, lists all documents to be submitted with the bid. We respectfully request approval to submit our “summarized” qualification statement with our bid. We can provide detailed information if the City requests such.

A3: Bidders shall disregard any aspect of the AFB inconsistent with other sections of the front-end documents for the Holiday Court sewer system improvements. City declines the Q3 request for approval to submit a “summarized” qualification statement with the bid. By this Addendum No. 3, City hereby revises Article 3 (“Qualifications of Bidders”) of Section C-200 (“Instructions to Bidders for Construction Contract”) to read as follows:

3.01 ~~To demonstrate Bidder’s qualifications to perform the Work, after submitting its Bid and within seven days of Owner’s request, Bidder must submit the following information:~~[This subsection deleted.]

~~A. Evidence of Bidder’s authority to do business in the state where the Project is located.~~

~~B. Bidder’s and Subcontractor(s)’ state or other contractor license number, if applicable.~~

~~C. Subcontractor and Supplier qualification information, if required by Article 12 of these Instructions, “Subcontractors, Suppliers and Others.~~

3.02 ~~To demonstrate Bidder’s qualifications to perform the Work, after submitting its Bid and within seven days of Owner’s request, Bidder shall submit within seven days of Owner’s request (a) written evidence establishing its qualifications such as financial data, previous experience, and present commitments, and (b) the following additional information:~~

~~A. Bidder registration as a vendor with the City of Franklin. Subcontractor(s)’ state or other contractor license number, if applicable.~~

~~B. Bidder’s valid City of Franklin and Williamson County, Tennessee business licenses.~~

City of Franklin Addendum No. 3 to

Purchasing Office Solicitation No.: 2020-017

- 3.03 Bidder is to submit the following information with its Bid to demonstrate Bidder's qualifications to perform the Work:
 - A. Written evidence establishing its qualifications such as financial data, previous experience, and present commitments.
 - B. A written statement that Bidder is authorized to do business in the state where the Project is located, or a written certification that Bidder will obtain such authority prior to the Effective Date of the Contract.
 - C. Bidder's state or other contractor license number, if applicable.
 - D. Subcontractor and Supplier qualification information, if required by Article 11 ("Subcontractors, Suppliers and Others") of these Instructions.
 - E. Other required information regarding qualifications.
- 3.04 A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.
- 3.05 No requirement in this Article 3 to submit information will prejudice the right of Owner to seek additional pertinent information regarding Bidder's qualifications.

City of Franklin Addendum No. 3 to

Purchasing Office Solicitation No.: 2020-017

12. Acknowledge addendum: Bidders shall acknowledge this addendum on their submitted Bid Form.

13. Questions seeking to clarify or revise the procurement solicitation: Questions seeking to clarify or revise any aspect of the procurement solicitation shall be submitted by contacting:

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14. Communication with City during procurement phase: Any questions seeking to clarify or revise any aspect of the procurement solicitation should be addressed to the City as described above. Until the procurement award has been made, contractors shall not communicate about either the content of or the procurement process pertaining to this procurement solicitation with any official, employee or other representative of the City except through the City's Purchasing Office. The City reserves the right to disqualify any contractor that initiates unauthorized communication with the City during the procurement phase (that is, the period of time between when the procurement solicitation has been posted on the [Business Opportunities webpage](https://www.franklinton.gov) of the City's website (<https://www.franklinton.gov>) and when the procurement award has been made).

SECTION C-452**CONTRACTOR/FIRM/BUSINESS SAFETY PROGRAM****1. PURPOSE**

This program is designed to set safety and health expectations and establish a screening process so that The City of Franklin may hire and use Contractors/Firms/Businesses who accomplish the desired job tasks without compromising the safety and health of employees. The Contractor/Firm/Business must assure that contract employees are trained on: performing the job safely, of the hazards related to the job, and other applicable provisions of the OSHA Standards. The program is a systematic approach that must be used to evaluate Contractor/Firm/Business personnel used in the conduct of business at the City of Franklin.

The City of Franklin does not take responsibility for the safety of the Contractor's/Firm's/Business' employees. Nor does the City take responsibility for instructing Contractors/Firms/Businesses on how to perform work. Rather, this program spells out what is expected of Contractors/Firms/Businesses conducting work for the City of Franklin.

Contractors/Firms/Businesses are defined as non-city government individuals or businesses that are retained by the City to provide specific labor or services.

2. RESPONSIBILITIES OF THE CONTRACTOR/FIRM/BUSINESS

Contractor/Firm/Business compliance with all state and federal occupational safety and health standards is a condition of doing business with the City of Franklin. Contractors/Firms/Businesses have the responsibility to:

- Conduct daily safety inspections of all assigned areas.
- Identify and correct hazards within their responsibility and report hazards to the city.
- Provide Contractor/Firm/Business employees with personal protective equipment as needed to safely perform contracted tasks.
- Ensure Contractor/Firm/Business employees have the training for assigned tasks as is required by state and federal occupational safety and health standards.
- Coordinate with City Health and Safety Manager for safety related issues that may affect city operations.
- Establish and maintain an effective safety and health program for Contractor/Firm/Business employees.
- Establish and maintain an effective safe housekeeping program.
- Make available for inspection by the City any written safety programs, safety data sheets, training records and other safety-related documents.

3. MONITORING AND INSPECTIONS

All Contractors/Firms/Businesses and subcontractors working under contract with the City of Franklin are subject to regular safety, health and environmental monitoring by the City.

4. HAZARDOUS CHEMICAL / SUBSTANCE NOTIFICATION

Contractors/Firms/Businesses must follow state and federal Occupational Safety and Health Administration Hazard Communication standard requirements including use, safe handling and storage of chemicals. Contractors/Firms/Businesses are required to inform the City of all hazardous substances which may be brought on to City property, including providing the most current Safety Data Sheet (MSDS)/(SDS) for each substance. All spills and leaks of hazardous chemicals shall be immediately reported to the City Health & Safety Manager.

5. WORK ZONE TRAFFIC CONTROL

All Contractors/Firms/Businesses conducting work which involve traffic control in the public way shall comply with the Federal Highway Administration's Manual on Uniform Traffic Control Devices. The City Traffic Engineer (615-791-3218) should also be contacted prior to commencing operations. This measure is to insure the safety of workers and the public.

6. DUE REGARD FOR THE PUBLIC

All Contractors/Firms/Businesses and their employees while engaged in work for the City of Franklin shall exercise due regard and reasonable care for the safety of the public.

7. OTHER POLICIES AND PROCEDURES

All Contractor/Firm/Business employees shall adhere to all City policies and procedures, including but not limited to: access to City facilities and equipment, use of controlled substances, firearm & explosive restrictions, harassment of other persons, traffic and parking regulations.

8. CONTACT INFORMATION FOR CITY SAFETY COORDINATOR

Contact the Occupational Health and Safety Trainer (Human Resources), Franklin, TN 37064, (615) 615- 3216 ext: 6984, Email: chris.edwards@franklintn.gov

9. ENVIRONMENTAL, SAFETY AND HEALTH SOURCES OF INFORMATION

- TENNESSEE OSHA: <https://www.tn.gov/workforce/section/tosha>
- FEDERAL OSHA: <https://www.osha.gov/>
- TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION:
<http://www.tennessee.gov/environment>

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CONTRACTOR/FIRM/BUSINESS SAFETY INFORMATION

PURPOSE: The purpose of this questionnaire is to provide the City of Franklin with necessary information about your company's safety program and performance. All items must be completed.

Company Name: _____

Address: _____

Name of Safety Officer/Director: _____ Phone #: _____
(Person responsible for safety)

Email: _____

1. Provide information regarding Contractor's/Firm's/Business' safety organization and safety performance.

Safety Certifications		
Certification Name	Issuing Agency	Expiration

2. Provide Worker's Compensation Insurance Experience Modification Rate (EMR), Total Recordable Frequency Rate (TRFR) for incidents, and Total Number of Recorded Manhours (MH) for the last 3 years and the EMR, TRFR, and MH history for the last 3 years of any proposed Subcontractor(s) that will provide Work valued at 10% or more of the Contract Price. Provide documentation of the EMR history for Contractor/Firm/Business and Subcontractor(s).

Year									
Company	EMR	TRFR	MH	EMR	TRFR	MH	EMR	TRFR	MH

3. Accident/Injury Experience

Using last year's OSHA 300 Log or Worker's Compensation Documentation, fill in the following:

i) Number of recordable injuries/illnesses _____

ii) Number of restricted work days _____

iii) Number of lost work days _____

iv) Number of fatalities _____

v) Employee hours worked last year _____

vi) Number of injuries/illnesses requiring hospitalization _____

4. Safety Program

i) Does your company have a written safety program?

Yes _____ No _____

ii) Is the program revised/updated annually?

Yes _____ No _____

iii) Does your written program contain a statement that your company abides by all federal (OSHA), state and local rules and regulations relating to safe work practices?

Yes _____ No _____

iv) Do you have a new hire orientation program pertaining to safety training?

Yes _____ No _____

v) Does it include any training on the following? (If your company has a handbook, please submit a copy).

Yes _____ No _____

Head Protection

Eye Protection

Hearing Protection

Respiratory Protection

Fall Protection

Scaffolding

Housekeeping

Fire Protection

Confined Space Entry

Emergency Procedures

Hazardous Substances

Trench & Evacuation

Barricades

Electrical Safety

Rigging & Crane Safety

Hand & Power Tool Safety

Hand Protection

Others

vi) Do you have a foreman safety training program?

Yes _____ No _____ If yes, please include an outline.

vii) Do you conduct regular safety meetings? Yes _____ No _____

viii) How often? _____ Are records kept? Yes _____ No _____

ix) Do you generate accident investigation reports? Yes _____ No _____

x) Do you perform project safety inspections?

Yes _____ No _____

Who conducts them? Name _____

Job Title _____

How often? _____

5. Lockout/Tagout

Does the work that you are submitting a bid for, involve any "Lockout/Tagout" situations?

Yes _____ No _____

If yes, please submit a copy of your written Lockout/Tagout procedures.

6. Hazard Communication

Does the work that you are submitting a bid for, involve the use of any "Hazardous Substances"?

Yes _____ No _____

If yes, please submit a copy of your written hazard communication program and material safety data sheets for any hazardous substance that you will be using in your work.

7. Confined Spaces

Does the work you are bidding involve working in a "Confined Space"?

Yes _____ No _____

If yes, include your work plan, copies of training certification of the pertinent employees, entry permit and who will be in the confined space permit-required.

8. Elevated Work and Fall Protection

Does the work that you are submitting a bid for, involve any "Elevated Work"?

Yes _____ No _____

If yes, please submit a copy of your fall protection and elevated work rules policy.

9. Powered Industrial Vehicles

i) Does the work that you are submitting a bid for, involve the use of any powered industrial vehicles? (i.e., fork trucks, highlifts, etc.)

Yes _____ No _____

ii) Have designated people been trained on such?

Yes _____ No _____

10. Respiratory Compliance

i) Does your company have a written respiratory program or policy?

Yes _____ No _____

ii) Have employees been fit tested quantitatively or qualitatively?

Yes _____ No _____

iii) Do you have established medical surveillance procedures?

Yes _____ No _____

iv) What type of respiratory training has your employee had?

v) What type of respiratory equipment are they permitted to wear?

11. Key Personnel

List the key onsite people you would use for this project.

Name: _____ Title: _____

Name: _____ Title: _____

For City Use Only

Recommendations:		
Comments:		
Authorization		
Approved:	*YES	NO

* Further detailed on attachment: YES _____ NO _____

I certify that I have conducted a review of the information contained in this questionnaire and approved the contractor/firm/business for the above described work.

Name:	Title:
Signature:	
Date:	Time:

CONTRACTOR / FIRM / BUSINESS ACKNOWLEDGEMENT OF RECEIPT OF

CITY OF FRANKLIN CONTRACTOR/FIRM/BUSINESS SAFETY PROGRAM

Contractor/Firm/Business Name: _____

Contractor's/Firm's/Business' Authorized Safety Representative: _____

Contractor's/Firm's/Business' Authorized Agent: _____
(Printed Name)

I acknowledge receipt of and agree to comply with the City of Franklin's Contractor/Firm/Business Safety Program. I will also make employees and subcontractors aware of City's safety expectations and requirements.

I understand that any accidents, injuries or property damage will be reported to the City Health and Safety Manager within three (3) days.

I also understand that any questions regarding the program can be directed to the contracting department head and/or the City Health & Safety Manager.

I certify that all personnel conducting work have been trained in accordance with Occupational Safety and Health Administration regulation: 29 Code of Federal Regulations §1910/1926.

Contractor's/Firm's/Business' Authorized Agent: _____
(Signature)

Date: _____

SECTION C-410

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

City of Franklin
Third Avenue South, Suite
107 Franklin, TN 37064

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. Evidence of authority to do business in the state of the Project;
- E. State Contractor License Information Form (C-300);
- F. Qualifications Statement (C-451) with supporting data;
- G. Contractor/Firm/Business Safety Information and Acknowledgement of Receipt of Contractor/Firm/Business Safety Program (C-452);
- H. Conflict of Interest Statement (C-453);
- I. Drug-Free Workplace Affidavit (C-454);
- J. Attestation Regarding Illegal Immigrants or Aliens (C-455); and
- K. Iran Divestment Act Certification (C-456).

ARTICLE 3—BASIS OF BID

3.01 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices:

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HOLIDAY CT. SEWER IMPROVEMENTS

Bid No. 2020-017

Item No.	Description	Unit	Est. Qty.	Bid Unit Price	Bid Amount
1	Sewer Pump Station Complete and Operable	LS	1	\$ 223,225.00	\$ 223,225.00
2	6 inch DIP Pressure Class 350 with PROTECTO 401 Lining and Restraint Grip Gaskets Force Main. Shall including all pipe, valves, fittings, related appurtenances and testing.	LF	997	\$ 154.70	\$ 154,335.90
3	Demolition, Complete	LS	1	\$ 18,867.00	\$ 18,867.00
4	Erosion Control, Clearing, Tree Removal, Fence Replacement, Temporary relocation of sheds or other structures	LS	1	\$ 4,450.00	\$ 4,450.00
5	Mobilization	LS	1	\$ 2,000.00	\$ 2,000.00
6	Yard Piping as per sheet MP3, for 10 inch DIP gravity line, Port Plug Valve and appurtenances, Coring and Invert Reshape MHA-2	LS	1	\$ 33,420.00	\$ 33,420.00
7	Doghouse Manhole A-1, approximate +/-14' depth 4'-0" Diameter	EA	1	\$ 7,591.50	\$ 7,591.50
8	Manhole A-3, approximate +/- 15' depth.	EA	1	\$ 6,844.00	\$ 6,844.00
9	Erosion Control Intermediate/Final	LS	1	\$ 1,700.00	\$ 1,700.00
10	Allowance for Telemetry Relocation	ALLOWANCE			\$ 4,000.00
11	Asphalt Pavement Repair	Sq-ft	5400	\$ 10.00	\$ 54,000.00
12	Concrete Pavement Repair	Sq-ft	1778	\$ 11.50	\$ 20,447.00
13	Undercutting/ Excavation of gravity sewer line and or wetwell where directed by Owner or Engineer including Unclassified Excavation, removal and disposal of unsuitable material, furnishing and installing 2-inch surge stone, including all dewatering, slope protection and shoring.	C.Y.	300	\$ 77.39	\$ 23,217.00
Total of All Unit Price Bid Items				\$ 554,057.40	

TOTAL BID PRICE, EQUAL TO THE SUM OF ITEMS 1 THROUGH 11, IS IN THE AMOUNT OF

five hundred fifty four thousand fifty seven

(words)

dollars + forty cents

DOLLARS

(words)

EJCDC® C-410, Bid Form for Construction Contract.

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B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 4—TIME OF COMPLETION

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS AND RECEIPT OF ADDENDA

5.01 Bid Acceptance Period

- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 Instructions to Bidders

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 Receipt of Addenda

- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date
1	1/23/2020
2	1/24/2020
3	1/29/2020

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

6.01 Bidder's Representations

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 4. Bidder has carefully studied the reports of explorations, if any, and tests of subsurface conditions at or adjacent to the Site, if any, and the drawings of physical conditions relating to existing surface or subsurface structures at the Site, if any, that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.

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5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 Bidder's Certifications

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.

EJCDC® C-410, Bid Form for Construction Contract.

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- b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
- c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
- d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

HOLIDAY CT. SEWER IMPROVEMENTS

Bid No. 2020-017

BIDDER hereby submits this Bid as set forth above:

Bidder:

Middle Tennessee Infrastructure, Inc.

(typed or printed name of organization)

By:

Dean Carroll

(individual's signature)

Name:

Dean Carroll

(typed or printed)

Title:

Secretary

(typed or printed)

Date:

2/03/20

(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest:

Robin Carroll

(individual's signature)

Name:

Robin Carroll

(typed or printed)

Title:

President

(typed or printed)

Date:

2/03/20

(typed or printed)

Address for giving notices: 105 Homewood Dr. Murfreesboro, TN 37127

Bidder's Contact:

Name:

Dean Carroll

(typed or printed)

Title:

Secretary

(typed or printed)

Phone:

615-428-7780

Email:

midtni@comcast.net

Address:

105 Homewood Dr. Murfreesboro, TN 37127

Bidder's Contractor License No.: (if applicable) 67411 (correction: 64711)

EJCDC® C-410, Bid Form for Construction Contract.

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CONTRACTOR/FIRM/BUSINESS SAFETY INFORMATION

PURPOSE: The purpose of this questionnaire is to provide the City of Franklin with necessary information about your company's safety program and performance. All items must be completed.

Company Name: Middle Tennessee Infrastructure, Inc

Address: 10 S Homewood Dr Murfreesboro, TN 37127

Name of Safety Officer/Director: Tristan Carroll Phone #: 615-624-3014
(Person responsible for safety)

Email: tristan.carroll@midtni.com

1. Provide information regarding Contractor's/Firm's/Business' safety organization and safety performance.

Safety Certifications		
Certification Name	Issuing Agency	Expiration

2. Provide Worker's Compensation Insurance Experience Modification Rate (EMR), Total Recordable Frequency Rate (TRFR) for incidents, and Total Number of Recorded Manhours (MH) for the last 3 years and the EMR, TRFR, and MH history for the last 3 years of any proposed Subcontractor(s) that will provide Work valued at 10% or more of the Contract Price. Provide documentation of the EMR history for Contractor/Firm/Business and Subcontractor(s).

Year	2017			2018			2019		
Company	EMR	TRFR	MH	EMR	TRFR	MH	EMR	TRFR	MH
Middle TN Infra.	.78	0	45284	.76	0	41684	.74	0	48284

3. **Accident/Injury Experience**

Using last year's OSHA 300 Log or Worker's Compensation Documentation, fill in the following:

- i) Number of recordable injuries/illnesses 0
- ii) Number of restricted work days 0
- iii) Number of lost work days 0
- iv) Number of fatalities 0

v) Employee hours worked last year 48284

vi) Number of injuries/illnesses requiring hospitalization 0

4. Safety Program

i) Does your company have a written safety program?

Yes ☒ No ☐

ii) Is the program revised/updated annually?

Yes ☒ No ☐

iii) Does your written program contain a statement that your company abides by all federal (OSHA), state and local rules and regulations relating to safe work practices?

Yes ☒ No ☐

iv) Do you have a new hire orientation program pertaining to safety training?

Yes ☒ No ☐

v) Does it include any training on the following? (If your company has a handbook, please submit a copy).

Yes ☒ No ☐

Head Protection
Eye Protection
Hearing Protection
Respiratory Protection
Fall Protection
Scaffolding
Housekeeping
Fire Protection
Confined Space Entry

Emergency Procedures
Hazardous Substances
Trench & Evacuation
Barricades
Electrical Safety
Rigging & Crane Safety
Hand & Power Tool Safety
Hand Protection
Others

vi) Do you have a foreman safety training program?

Yes ☒ No ☐ If yes, please include an outline.

*10 Hour Training Course
for the Construction
Industry*

vii) Do you conduct regular safety meetings? Yes ☒ No ☐

viii) How often? weekly Are records kept? Yes ☒ No ☐

ix) Do you generate accident investigation reports? Yes ☒ No ☐

x) Do you perform project safety inspections?

Yes ☒ No ☐

Who conducts them? Name Kelsey Hubbard

Job Title Director of Risk Management at Meridian Safety

How often? monthly

5. Lockout/Tagout

Does the work that you are submitting a bid for, involve any "Lockout/Tagout" situations?

Yes ☐ No ☒

If yes, please submit a copy of your written Lockout/Tagout procedures.

6. Hazard Communication

Does the work that you are submitting a bid for, involve the use of any "Hazardous Substances"?

Yes ☐ No ☒

If yes, please submit a copy of your written hazard communication program and material safety data sheets for any hazardous substance that you will be using in your work.

7. Confined Spaces

Does the work you are bidding involve working in a "Confined Space"?

Yes ☐ No ☒

If yes, include your work plan, copies of training certification of the pertinent employees, entry permit and who will be in the confined space permit-required.

8. Elevated Work and Fall Protection

Does the work that you are submitting a bid for, involve any "Elevated Work"?

Yes ☐ No ☒

If yes, please submit a copy of your fall protection and elevated work rules policy.

9. Powered Industrial Vehicles

i) Does the work that you are submitting a bid for, involve the use of any powered industrial vehicles? (i.e., fork trucks, highlifts, etc.)

Yes ☒ No ☐

ii) Have designated people been trained on such?

Yes ☒ No ☐

10. Respiratory Compliance

i) Does your company have a written respiratory program or policy?

Yes ☐ No ☒

ii) Have employees been fit tested quantitatively or qualitatively?

Yes ☐ No ☐ *N/A*

iii) Do you have established medical surveillance procedures?

Yes ☐ No ☐ *N/A*

iv) What type of respiratory training has your employee had?

N/A

v) What type of respiratory equipment are they permitted to wear?

N/A

11. Key Personnel

List the key onsite people you would use for this project.

Name: John Horstmeyer Title: Superintendent
 Name: Ed Radrick Title: Foreman

For City Use Only

Recommendations:		
Comments:		
Authorization		
Approved:	*YES	NO

* Further detailed on attachment: YES ☐ NO ☐

I certify that I have conducted a review of the information contained in this questionnaire and approved the contractor/firm/business for the above described work.

Name: Wesley Golden	Title: Health & Safety Manager
Signature:	
Date:	Time:

**CONTRACTOR / FIRM / BUSINESS ACKNOWLEDGEMENT OF RECEIPT OF
CITY OF FRANKLIN CONTRACTOR/FIRM/BUSINESS SAFETY PROGRAM**

Contractor/Firm/Business Name: Middle Tennessee Infrastructure, Inc.

Contractor's/Firm's/Business' Authorized Safety Representative: Tristan Carroll

Contractor's/Firm's/Business' Authorized Agent: Dean Carroll
(Printed Name)

I acknowledge receipt of and agree to comply with the City of Franklin's Contractor/Firm/Business Safety Program. I will also make employees and subcontractors aware of City's safety expectations and requirements.

I understand that any accidents, injuries or property damage will be reported to the City Health and Safety Manager within three (3) days.

I also understand that any questions regarding the program can be directed to the contracting department head and/or the City Health & Safety Manager.

I certify that all personnel conducting work have been trained in accordance with Occupational Safety and Health Administration regulation: 29 Code of Federal Regulations §1910/1926.

Contractor's/Firm's/Business' Authorized Agent: 
(Signature)

Date: 2/03/20

SECTION C-453

CONFLICT OF INTEREST STATEMENT

Contractor/Firm/Business Name:

Middle Tennessee Infrastructure, Inc

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Printed Name)

I hereby certify that this bid/proposal is submitted in conformance with the City of Franklin's conflict of interest restrictions. No employee of the City of Franklin, officer, agent, any member of an employee's immediate family or his or her partner has any financial interest or a tangible personal benefit in the profit of any contract, service or other work performed as a result of my submission of this bid/proposal. A conflict of interest would also arise when the parties indicated herein are employed or about to be employed by the person or company submitting this bid/proposal. Additionally, no party indicated herein has an indirect interest in the contract, which is the subject of this bid/proposal*.

In the event I am providing a service** to the City of Franklin, I certify that I have no conflict of interest relating to the service to be provided pursuant to this Request for Proposals (RFP), Request for Qualifications (RFQ) or the project/work.

Should a conflict arise at any time during the duration of the contract, agreement, etc., it is the vendor's responsibility to inform the City of said conflict within 30 days.

Therefore, the undersigned (corporation, partnership, limited liability company, or other business organization or individual) has no conflict of interest, or potential conflict of interest in connection with this proposal or in connection with any contract executed or to be executed, concerning or with response to this RFP/RFQ for this project/work.

* **"Indirect Interest"** means any contract in which an employee has no direct interest however a spouse or relative has an interest in the contract. *A conflict of interest exists if a spouse or relative commingle their assets.* Examples of commingling assets include sharing a joint-checking account or jointly owned property together with a company or person doing business with the City of Franklin.

** **"Service Vendors"** include but are not limited to: architects, engineers, appraisers, surveyors, accountants, etc.

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Signature)

Date:

2/03/20

SECTION C-454

DRUG-FREE WORKPLACE AFFIDAVIT

Contractor/Firm/Business Name:

Middle Tennessee Infrastructure, Inc.

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Printed Name)

(Check applicable box)



I hereby state that, as an employer, I have adopted a Drug-Free Workplace policy, which meets the criteria set forth by the Tennessee Department of Labor and Workforce Development and at a minimum the requirements of the City of Franklin's Drug-Free Workplace program, which includes pre-employment drug testing, reasonable suspicion drug testing and, when applicable, compliance with the U.S. Department of Transportation Procedures for Transportation Workplace Drug Testing Programs as specified in Title 49 of the Code of Federal Regulations (CFR) Part 40 and Title 49 CFR Part 199.

Said Drug-Free Workplace program is in compliance with the Tennessee Drug-Free Workplace Act, Tennessee Code Annotated §50-9-101 *et sequentia*.



I hereby state that I employ less than five (5) employees, and I am not required to submit the Drug-Free Workplace Affidavit.

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Signature)

Date:

2/03/20

SECTION C-455

ATTESTATION REGARDING ILLEGAL IMMIGRANTS or ALIENS

Contractor/Firm/Business Name:

Middle Tennessee Infrastructure, Inc

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Printed Name)

Pursuant to Tennessee Code Annotated §12-3-309, and Section 6-105 of the Official Code of the City of Franklin, I (we), the Contractor/Firm/Business identified above, hereby attest, certify, warrant and assure that I (we) will not knowingly utilize the services of any illegal immigrant or alien in the performance of this Contract, and will not knowingly utilize the services of any subcontractor who will utilize the services of an illegal immigrant or alien in the performance of this Contract.

Contractor's/Firm's/Business' Authorized Agent:



(Signature)

Date:

2/03/20

SECTION C-456

IRAN DIVESTMENT ACT CERTIFICATION

Contractor/Firm/Business Name:

Middle Tennessee Infrastructure, Inc.

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Printed Name)

By submission of this bid/proposal, each contractor/firm/business and each person signing on behalf of the contractor/firm/business certifies, and in the case of a joint bid/proposal each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each contractor/firm/business is not on the list created pursuant to Tennessee Code Annotated §12-12-106 in reference to the Iran Divestment Act.

This act prohibits a person identified on the list from contracting with a local government and makes any contract entered into void. The State of Tennessee list can be found at: <https://www.tn.gov/generalservices/procurement/central-procurement-office--cpo-/library-/public-information-library.html>.

The undersigned hereby certifies that he or she is authorized by the contractor/firm/business to certify that his/her company is not on the list.

Contractor's/Firm's/Business' Authorized Agent:

Dean Carroll

(Signature)

Date:

2/03/20

Tabulation of Bid Line-Item Pricing for
Holiday Court sewer system improvements (Sol. No. 2020-017)

Item No.	Description	Unit	Estimated Quantity	Civil Constructors, LLC		Middle Tennessee Infrastructure, Inc.		W & O Construction, Inc.	
				Bid Unit Price	Bid Amount	Bid Unit Price	Bid Amount	Bid Unit Price	Bid Amount
1	Sewer Pump Station Complete and Operable	LS	1	\$250,925.00	\$250,925.00	\$223,285.00	\$223,285.00	\$322,500.00	\$322,500.00
2	6 inch DIP Pressure Class 350 with PROTECTO 401 Lining and Restraint Grip Gaskets Force Main. Shall including all pipe, valves, fittings, fittings, related appurtenances and testing.	LF	997	\$123.50	\$123,129.50	\$154.70	\$154,235.90	\$120.00	\$119,640.00
3	Demolition, Complete	LS	1	\$19,936.00	\$19,936.00	\$18,867.00	\$18,867.00	\$15,000.00	\$15,000.00
4	Erosion Control, Clearing, Tree Removal, Fence Replacement, Temporary relocation of sheds or other structures	LS	1	\$28,446.00	\$28,446.00	\$4,450.00	\$4,450.00	\$6,000.00	\$6,000.00
5	Mobilization	LS	1	\$10,683.00	\$10,683.00	\$2,000.00	\$2,000.00	\$35,000.00	\$35,000.00
6	Yard Piping as per sheet MP3, for 10 inch DIP gravity line, Port Plug Valve and appurtenances, Coring and Invert Reshape MHA-2	LS	1	\$95,701.00	\$95,701.00	\$33,420.00	\$33,420.00	\$20,000.00	\$20,000.00
7	Doghouse Manhole A-1, approximate +/-14' depth 4'-0" Diameter	EA	1	\$13,268.00	\$13,268.00	\$7,591.50	\$7,591.50	\$11,000.00	\$11,000.00
8	Manhole A-3, approximate +/- 15' depth.	EA	1	\$13,937.00	\$13,937.00	\$6,844.00	\$6,844.00	\$10,000.00	\$10,000.00
9	Erosion Control Intermediate/Final	LS	1	\$13,353.00	\$13,353.00	\$1,700.00	\$1,700.00	\$6,000.00	\$6,000.00
10	Allowance for Telemetry Relocation	n/a	1	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
11	Asphalt Pavement Repair	Sq-ft	5400	\$6.00	\$32,400.00	\$10.00	\$54,000.00	\$6.00	\$32,400.00
12	Concrete Pavement Repair	Sq-ft	1778	\$11.65	\$20,713.70	\$11.50	\$20,447.00	\$23.00	\$40,894.00
13	Undercutting/ Excavation of gravity sewer line and or wetwell where directed by Owner or Engineer including Unclassified Excavation, removal and disposal of unsuitable material, furnishing and installing 2-inch surge stone, including all dewatering, slope protection and shoring.	C.Y.	300	\$69.00	\$20,700.00	\$77.39	\$23,217.00	\$40.00	\$12,000.00
Grand Totals:					\$647,192.20		\$554,057.40		\$634,434.00



City of Franklin

109 3rd Ave S
Franklin, TN 37064
(615)791-3217

Master

File Number: 19-1203

File ID: 19-1203

Type: Contract/Agreement

Status: Passed

Version: 1

**Agenda
Section:**

In Control: Board of Mayor &
Aldermen

File Created: 11/08/2019

Subject: procurement award for Holiday Court sewer system
improvements

Final Action: 03/10/2020

Title: Consideration Of Procurement Award To Middle Tennessee Infrastructure, Inc. Of Murfreesboro, Tennessee In The Total Amount Of \$554,057.40 For Holiday Court Sewer System Improvements For The Sewer-General Division Of The Water Management Department (Purchasing Office Procurement Solicitation No. 2020-017; City Project No. 2019-016; \$500,000 Budgeted In 431-89320-52219 For Fiscal Year 2020; City Contract No. 2019-0310) (WS 2/25/20)

Internal Notes:

Sponsors: Michelle Hatcher and Brian Goodwin

Enactment Date:

Attachments: 2020-017 Tabulation of bids 2020.02.19.1119,
2019-0310 C-520 Agreement with all but attachments
2a, 2b and 9c.Law Reviewed, 2020-017 Tabulation of
bid line-item pricing 2020.02.06

Res/Ord Number:

Recommendation:

Hearing Date:

Drafter: brianw@franklin.tn.gov

Effective Date:

Related Files:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Work Session	02/11/2020	referred	Work Session	02/25/2020		
	Action Text: This Contract/Agreement was referred to the Work Session meeting on 2/25/2020.						
1	Work Session	02/25/2020	referred as a Consent Item	Board of Mayor & Aldermen	03/10/2020		
	Action Text: This Contract/Agreement was referred as a Consent Item to the Board of Mayor & Aldermen meeting on 3/10/2020.						
1	Board of Mayor & Aldermen	03/10/2020	approved				
	Action Text: A motion was made by Alderman Bransford, seconded by Alderman Martin, that this Contract/Agreement be approved. The motion carried by a unanimous vote.						

Text of Legislative File 19-1203

DATE: February 19, 2020

TO: Board of Mayor and Aldermen

FROM: Eric S. Stuckey, City Administrator
Mark Hilty, Assistant City Administrator - Public Works
Kristine Brock, Assistant City Administrator / CFO
Michelle Hatcher, PE, Director, Water Management Department
Brian Goodwin, PE, Assistant Director, Water Management Department
Brian Wilcox, Purchasing Manager

SUBJECT:

Consideration Of Procurement Award To Middle Tennessee Infrastructure, Inc. Of Murfreesboro, Tennessee In The Total Amount Of \$554,057.40 For Holiday Court Sewer System Improvements For The Sewer-General Division Of The Water Management Department (Purchasing Office Procurement Solicitation No. 2020-017; City Project No. 2019-016; \$500,000 Budgeted In 431-89320-52219 For Fiscal Year 2020; City Contract No. 2019-0310) (WS 2/25/20)

Purpose

The purpose of this procurement is to purchase Holiday Court sewer system improvements for the Wastewater Collection Division of the Water Management Department. The primary purpose of the improvements is to rehabilitate the Holiday Court sanitary sewer pump or lift station which staff estimates was constructed in the early 1980s and has outlived its expected service life.

Background

The City published on January 2, 2020 a Notice to Bidders in the *Williamson Herald* for Holiday Court sewer system improvements. In addition, bid documents were sent on or about the same date directly to seven (7) potential bidders known or thought to be interested in this solicitation. Bids from three (3) contractors were publicly opened at the bid opening held on February 4, 2020. Both a tabulation of the bids received for this solicitation and a tabulation of bid line-item pricing are attached.

Financial Impact

The responsible bidder that submitted the lowest priced responsive bid is Middle Tennessee Infrastructure, Inc. of Murfreesboro, Tennessee, in the total amount of \$554,057.40 for the specified project. This bid was identified because it is the lowest bid that meets or exceeds the City's intention as expressed and implied by the City's specifications as well as the instructions, terms and conditions pertaining to this procurement solicitation. The engineer's October 9, 2017 opinion of construction cost is, in total, \$564,000. The Water Management Department Sewer-General Division budget for fiscal year 2020 allocates \$500,000 out of the Sewer Fund for the Holiday Court lift station rehabilitation. The Middle Tennessee Infrastructure, Inc. bid amount is \$54,057.40 (about 10.8%) over budget.

Options

In accordance with the bid documents, the City reserves the right to reject any and all bids.

Recommendation

Staff recommends that the City accept, contingent upon Law Department and City Administrator approval of City Contract No. 2019-0310, the apparent lowest best bid, from Middle Tennessee Infrastructure, Inc. of Murfreesboro, Tennessee, in the total amount of \$554,057.40 for the specified project, and award this procurement to this bidder. The City's Purchasing Manager believes the prepared solicitation documents as distributed allowed for competition among multiple service providers, and that the staff recommendation appears to be made in a fair and impartial manner based upon the proposals received. Pursuant to authority previously granted by the Board of Mayor and Aldermen, Contract No. 2019-0310 has been prepared for execution by the City Administrator and is attached pending approval by the Board of Mayor and Aldermen of the staff recommendation to accept the bid from and award the procurement to Middle Tennessee Infrastructure, Inc.

SETTLEMENT AGREEMENT AND FINAL RELEASE OF CLAIMS
READ CAREFULLY BEFORE SIGNING

This Settlement Agreement And Final Release of Claims ("Agreement") is made as of the ____ day of _____, 2020, by and among:

City of Franklin, and all of his/her/their current and former agents, representatives, successors, assigns, heirs, and attorneys [hereinafter variously known as ["Claimant" or "Releasor(s)"] on the one hand; and

Signs Inc., together with his/her/their agents, representatives, employees, servants, volunteers, predecessors, successors, assigns, heirs, executors, administrators, partners, personal representatives, attorneys, insurers and re-insurers including, but not limited to, Berkley Insurance Company, by its member Berkley Southeast Insurance Group, W.R. Berkley Corp., **Tri-State Insurance of Minnesota** and all of their parent, subsidiary, divisions and affiliate companies, together with their current and former officers, directors, shareholders, officials, stockholders, agents, representatives, employees, servants, volunteers, predecessors, successors, assigns, heirs, attorneys, underwriters, insurers and re-insurers, both jointly and severally [hereinafter all collectively known as "Releasees" or the "Released Party(ies)"] on the other.

Releasor(s) and the Released Party(ies) hereby jointly agree as follows: Releasor alleges that on or about **2019-09-10**, he/she suffered property damage described as **Sidewalk at 108 Werthan Circle, Franklin, TN 37064** ("Property") as a result of an Incident that occurred in **Franklin, TN** (hereinafter "Incident"). The Parties desire to enter into this Agreement to provide, among other things, for consideration in full settlement and discharge of property damage claims Releasor(s) may have, either individually or in a representative capacity, against the Released Party(ies) for damage to the Property identified that arose out of the Incident, on the terms and conditions in this Agreement.

PAYMENT AND CONSIDERATION- Upon execution of this Agreement as provided for below, Releasee shall pay to the Releasor payment in the amount of **Four Thousand and 00/100 (\$4,000.00)**, to be delivered on behalf of Releasor at the following location: **Signs Inc., 2705 Glenrose Ave., Nashville, TN 37210**. This payment is based on the Releasor's claims for property damage to Releasor's Property.

RELEASE OF CLAIMS- Releasor(s) hereby forever release, discharge, and acquit the Released Party(ies) from all claims, suits, costs, debts, demands, actions, and causes of action, whether known or unknown, that Releasor(s) had, have, or might have in the future relating to the Property identified above arising out of, or in any way connected with, the Incident.

NO ADMISSION OF LIABILITY- This Agreement constitutes a settlement by compromise of disputed claims or potential claims arising out of, related to, or in some way connected with the Incident and is intended by the Parties to put an end to the matter and buy their peace. Neither this settlement and compromise nor the payment of the sums set forth herein shall be construed as an admission of liability or wrongdoing by Released Parties, all such liability and wrongdoing being expressly denied by them.

COVENANTS, REPRESENTATIONS, AND WARRANTIES- As an inducement for Released Parties to enter into this Agreement, Releasor(s) covenants, represents, and warrants that: (A) At the time of the Incident, Releasor was over the age of eighteen (18); (B) Releasor presently suffers from no legal disability that prevents her/him from having the capacity to enter into and execute this Agreement, and she/he does, in fact, have the legal capacity, power, and authority to enter into and execute this Agreement; (C) Neither Releasor nor anyone acting on Releasor's behalf has assigned, transferred, or sold, or purported to assign, transfer, or sell, to any person or entity any claim or potential claim, demand, action, cause of action, or right released by this Agreement; (D) Releasor shall be and is solely responsible for payment of all of her/his attorney fees, expenses, court costs, and taxes (including penalties and interest) relating to the Incident and to this settlement; (E) There are no actual or potential liens of any kind on the actual and potential claims being released; (F) Releasor has not been influenced to any extent by any representation or statement of Released Parties, and no statement, representation, promise, or agreement of any nature, other than those contained in this written Agreement, has been made to or with her/him; and (G) Releasor has relied solely upon her/his own judgment in entering into this Agreement and executes this Agreement with full knowledge of its contents and of her/his own free will and accord.

FUTURE COOPERATION AND DISMISSAL- Releasor agrees to cooperate fully, to execute any and all supplementary documents and to take all additional actions necessary or appropriate to give full force and effect to the terms and intent of this Agreement which are not inconsistent with its terms.

MISCELLANEOUS- This Agreement was arrived at after thorough bargaining and negotiations. This Agreement contains the entire agreement and understanding of the Parties with respect to the settlement of all current and potential property damage claims arising out of the Incident and related to the subject Property; supersedes all prior agreements, arrangements, and understandings relating to the subject matter of this Agreement; and is binding upon the Parties and their agents, representatives, successors, assigns, and heirs. This Agreement may not be modified, in whole or in part, except by written agreement signed by all of the Parties. The Parties hereby acknowledge and agree that they may hereafter discover facts different from or in addition to those which they now know or believe to be true with respect to

the claims being released by this Agreement and that, in such event, this Agreement shall nevertheless be effective and remain in force in all respects. It is understood that the Releasor has the right and opportunity to consult fully with legal counsel or other advisor prior to signing this Agreement. The Releasor also acknowledges that, before signing this Agreement, the Releasor has read and fully understands each paragraph thereof and that the meaning of this Agreement. This Agreement shall be construed as if the Parties jointly prepared it, and any uncertainty or ambiguity shall not be construed or interpreted against the party actually preparing this Agreement. This Agreement shall be construed and interpreted in accordance with the laws of the State of Tennessee and without giving effect to the principles of conflicts of laws. A waiver by any of the Parties of any breach of this Agreement or any provision of this Agreement shall not operate or be construed as a waiver of any other provision of this Agreement or any subsequent breach by any of the Parties. If a court of competent jurisdiction determines that any term, provision, or part of this Agreement is invalid, unenforceable, or void, then such term, provision, or part shall be severed from the remainder of this Agreement and shall not affect the validity or enforceability of the remainder of this Agreement. This Agreement shall be binding upon the Releasor and the Releasor's heirs, executors, administrators, assigns, successors, beneficiaries, employees and agents, and shall inure to the benefit of the Releasees and their predecessors, successors and assigns.

Having carefully read this ***Settlement Agreement And Final Release of Claims*** and having fully informed herself/himself of and understanding its contents, Releasor indicates agreement and executes this Agreement of her/his own free will and accord by signature as of the date set forth below.

WITNESS MY HAND AND SEAL this _____ day of _____, 2020.

Releasor – Printed Name

Releasor – Signature

Sworn to and subscribed before me _____,

this _____ day of _____, 2020.

My Commission Expires: _____

Approved as to Legal Form:

William E. Squires, Assistant City Attorney

**CITY OF FRANKLIN, TENNESSEE
PROFESSIONAL SERVICES AGREEMENT
COF Contract No. 2019-0376**

THIS PROFESSIONAL SERVICES AGREEMENT ("Agreement") is by and between the City of Franklin, Tennessee, hereinafter referenced as City, and **BARGE DESIGN SOLUTIONS, INC.** hereinafter referenced as Consultant, who mutually agree as follows:

DECLARATIONS. City desires to retain Consultant to provide engineering, related technical, and other services in connection with City's project hereinafter referenced as Project. The Project is described as follows:

BICENTENNIAL PARK

1. **SCOPE OF SERVICES.** Consultant shall provide engineering related technical services for the Project in accordance with the Scope of Services (Services) as found in Attachment A which shall be considered as an integral part hereof.
2. Consultant shall submit as a part of Attachment A an individual Fee Schedule and a Completion Schedule for the Project based on the detailed Scope of Services.
3. In event of a conflict between this Agreement and the attached document(s), this Agreement shall supersede conflicting terms and conditions.
4. Consultant shall be paid on a monthly basis for work performed based on the Fee Schedule as contained in Attachment A in the Amount of **FOUR HUNDRED THIRTY-NINE THOUSAND FIVE HUNDRED AND NO/100 DOLLARS (\$439,500.00).**

**The Board of Mayor and Aldermen Approved this Agreement on the
_____ Day of _____ 2020.**

TERMS AND CONDITIONS FOR PROFESSIONAL SERVICES

ARTICLE 1. SERVICES. Consultant will:

- 1.1 Act for City in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with standards of competent consultants using the standards in the industry:
- 1.2 Consider all reports to be confidential and distribute copies of the same only to those persons specifically designated by the City.
- 1.3 Perform all services under the general direction of a senior professional employee, licensed and/or registered in the State of Tennessee, when appropriate.
- 1.4 Designate, in writing, the sole Project representative to coordinate with City the Services to be provided, including all contact information.
- 1.5 Unless provided for in the Project Scope of Services (Attachment A), Consultant shall perform all Services with his own forces (employees). Should sub-consultants be proposed to be used in the Project, a listing of said sub-consultants with Services to be performed shall be provided. After approval of this Agreement, no substitute for sub-consultants shall be allowed unless approved by City.
- 1.6 Retain pertinent records relating to the services performed for a period of seven (7) years following the completion of the work; during this period the records shall be available for review by City at all reasonable times.

ARTICLE 2. CITY'S RESPONSIBILITIES. City, or its authorized representative, will:

- 2.1 Provide Consultant with all information regarding the Project, which is available to, or reasonably obtainable by, the City.
- 2.2 Furnish right-of-entry onto the Project site for Consultant's necessary field studies and surveys. Consultant will endeavor to restore the site to its original condition and shall remain solely liable for all damages, costs and expenses, including reasonable attorneys' fees, for failure to make such restoration.
- 2.3 Designate, in writing, the sole Project representative to coordinate with and direct the Consultant, including all contact information.
- 2.4 Guarantee to Consultant that it has the legal capacity to enter into this contract and that sufficient monies are available to fund Consultant's compensation.

ARTICLE 3. GENERAL CONDITIONS.

- 3.1 Consultant, by the performance of services covered hereunder, does not in any way assume, abridge or abrogate any of those duties, responsibilities or authorities customarily vested in other professionals or agencies participating in the Project.

- 3.2 Consultant shall be responsible for the acts or omissions of any party involved in concurrent or subsequent phases of the Project acting upon written instruction issued by the Consultant.
- 3.3 Neither City nor Consultant may assign or transfer its duties or interest in this Agreement without written consent of the other party.
- 3.4 **ALLOCATION OF RISK AND LIABILITY; GENERAL.** Considering the potential liabilities that may exist during the performance of the services of this Agreement, the relative benefits and risks of the Project, and the Consultant's fee for the services rendered, and in consideration of the promises contained in this Agreement, the City and the Consultant agree to allocate and limit such liabilities in accordance with this Article.
- 3.5 **INDEMNIFICATION.** Consultant agrees to indemnify and hold City harmless from and against legal liability for all judgments, losses, damages, and expenses to the extent such judgments, losses, damages, or expenses are caused by Consultant's negligent act, error or omission in the performance of the services of this Agreement. In the event judgments, losses, damages, or expenses are caused by the joint or concurrent negligence of Consultant and City, they shall be borne by each party in proportion to its own negligence.
- 3.5.1 **SURVIVAL.** The terms and conditions of this paragraph shall survive completion of this services agreement.
- 3.6 **LIMITATIONS OF RESPONSIBILITY.** Consultant shall not be responsible for (a) construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the Project unless specifically undertaken in Attachment A, Scope of Services ; (b) the failure of any contractor, subcontractor, Consultant, or other Project participant, not under contract to Consultant, to fulfill contractual responsibilities to City or to comply with federal, state, or local laws, regulations, and codes; or (c) procuring permits, certificates, and licenses required for any construction unless such procurement responsibilities are specifically assigned to Consultant in Attachment A, Scope of Services.

ARTICLE 4. TERMINATION BY THE CITY. The City may terminate this Agreement in accordance with the following terms and conditions:

- 4.1 **Termination for Convenience.** The City may, when in the interests of the City, terminate performance under this Agreement with the Consultant, in whole or in part, for the convenience of the City. The City shall give written notice of such termination to the Consultant specifying when termination becomes effective. The Consultant shall incur no further obligations in connection with the work so terminated, other than warranties and guarantees for completed work and installed equipment, and the Consultant shall stop work when such termination becomes

effective. The Consultant shall also terminate outstanding orders and subcontracts for the affected work. The Consultant shall settle the liabilities and claims arising out of the termination of subcontracts and orders. The City may direct the Consultant to assign the Consultant's right, title and interest under termination orders or subcontracts to the City or its designee. The Consultant shall transfer title and deliver to the City such completed or partially completed work and materials, equipment, parts, fixtures, information and Contract rights as the Consultant has in its possession or control. When terminated for convenience, the Consultant shall be compensated as follows:

- (1) The Consultant shall submit a termination claim to the City specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the City. If the Consultant fails to file a termination claim within one (1) year from the effective date of termination, the City shall pay the Consultant the amount the City deems the Consultant is due.
- (2) The City and the Consultant may agree to the compensation, if any, due to the Consultant hereunder.
- (3) Absent agreement to the amount due to the Consultant, the City shall pay the Consultant the following amounts:
 - (a) Contract costs for labor, materials, equipment and other services accepted under this Agreement;
 - (b) Reasonable costs incurred in preparing to perform and in performing the terminated portion of the work, and in terminating the Consultant's performance, plus a fair and reasonable allowance for direct job site overhead and earned profit thereon (such profit shall not include anticipated profit or consequential damages); provided however, that if it reasonably appears that the Consultant would have not profited or would have sustained a loss if the entire Agreement would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any;

The total sum to be paid the Consultant under this Section shall not exceed the total Agreement Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.

- 4.2 Termination for Cause. If the Consultant does not perform the work, or any part thereof, in a timely manner, supply adequate labor, supervisory personnel or proper equipment or materials, or if it fails to timely discharge its obligations for labor, equipment and materials, or proceeds to disobey applicable law, or otherwise commits a violation of a material provision of this Agreement, then the City, in addition to any other rights it may have against the Consultant or others, may terminate the performance of the Consultant, in whole or in part at the City's sole option, and assume possession of the Project Plans and materials and may complete the work.

In such case, the Consultant shall not be paid further until the work is complete. After Completion has been achieved, if any portion of the Contract Price, as it may be modified hereunder, remains after the cost to the City of completing the work, including all costs and expenses of every nature incurred, has been deducted by the City, such remainder shall belong to the Consultant. Otherwise, the Consultant shall pay and make whole the City for such cost. This obligation for payment shall survive the termination of the Agreement.

In the event the employment of the Consultant is terminated by the City for cause pursuant to this Section and it is subsequently determined by a Court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience under this Section and the provisions of Section 4.1 shall apply.

- 4.3 Termination for Non-Appropriation. The City may also terminate this Agreement, in whole or in part, for non-appropriation of sufficient funds to complete or partially complete the Project, regardless of the source of such funds, and such termination shall be on the terms of Section 4.1.
- 4.4 The City's rights under this Section shall be in addition to those contained elsewhere herein or provided by law.

ARTICLE 5. SCOPE OF SERVICES. Consultant shall provide the Services as described in Attachment A, Scope of Services.

- 5.1 By mutual agreement, this Agreement and scope can be amended by the parties. The scope and fee for any additional tasks or services under such amendment shall be mutually negotiated and agreed to in writing prior to beginning such additional tasks or services.

5.2 ENVIRONMENTAL RESPONSIBILITY.

Where drilling/sampling services are involved, the samples obtained from the Project site are the property of the City. Should any of these samples be recognized by the Consultant to be contaminated, the City shall remove them from the Consultant's custody and transport them to a disposal site, all in accordance with applicable government statutes, ordinances, and regulations. For all other samples, the Consultant shall retain them for a sixty (60)-day period following the submission of the drilling/sampling report unless the City directs otherwise; thereafter, the Consultant shall discard the samples in accordance with all federal, state and local laws.

ARTICLE 6. SCHEDULE.

- 6.1 **TIME OF THE ESSENCE.** The parties agree that time is of the essence with respect to the parties' performance of all provisions of the Agreement.
- 6.2 Before executing this Agreement, the Consultant shall have prepared and submitted for approval to the City a Completion Schedule for the Project with milestones for the various stages (tasks) of the Services as outlined in the Scope of Services. The Consultant shall submit and obtain the City's approval for any proposed changes to the logic, durations, sequences, or timing of tasks as approved in the Completion Schedule.
- 6.3 **FORCE MAJEURE.** Neither party will be liable to the other for any delay or failure to perform any of the services or obligations set forth in this Agreement due to causes beyond its reasonable control, and performance times will be considered extended for a period of time equivalent to the time lost because of such delay plus a reasonable period of time to allow the parties to recommence performance of their respective obligations hereunder. Should a circumstance of force majeure last more than ninety (90) days, either party may by written notice to the other terminate this Agreement. The term "force majeure" as used herein shall mean the following: acts of God; strikes, lockouts or other industrial disturbances; acts of public enemies; orders or restraints of any kind of the government of the United States or of the State or any of their departments, agencies or officials, or any civil or military authority; insurrections, riots, landslides, earthquakes, fires, storms, tornadoes, droughts, floods, explosions, breakage or accident to machinery, transmission pipes or canals; or any other cause or event not reasonably within the control of either party.
- 6.4 Should City request changes in the scope, extent, or character of the Project, the fee and the time of performance of Consultant's Services as indicated in Attachment A shall be adjusted equitably.

ARTICLE 7. USE OF DOCUMENTS, DATA.

- 7.1 All Documents, including, but not limited to, reports, drawings, specifications, and computer software prepared by Consultant pursuant to this Agreement are instruments of service in respect to the Project. The City shall retain an ownership and property interest therein whether or not the Project is completed.
- 7.1.1 **USE OF DATA SYSTEMS:** The City maintains all rights to data systems and data (including derivative or hidden data such as metadata) created and used by Consultant through information supplied to the Consultant by the City.
- 7.1.2 **DISCLOSURE OF DOCUMENTS/DATA.** City may be required to disclose documents or data under state or federal law. City shall notify Consultant if a request for data or documents has been made and shall give Consultant a reasonable opportunity under the circumstances to respond to the request by redacting proprietary or other confidential information. Consultant waives any right to confidentiality of any document, e-mail or file it fails to clearly mark on each page as confidential or proprietary. In exchange, Consultant agrees to indemnify, defend, and hold harmless City for any claims by third parties relating thereto or arising out of (i) the City's failure to disclose such documents or information required to be disclosed by law, or (ii) the City's release of documents as a result of City's reliance upon Consultant representation that materials supplied by Consultant (in full or redacted form) do not contain trade secrets or proprietary information, provided that the City impleads Consultant and Consultant assumes control over that claim.
- 7.2 By execution of this Agreement, Consultant and his sub-consultant(s) grant the City a royalty-free, perpetual, irrevocable, and assignable license to use any and all intellectual property interest Consultant or his sub-consultant(s) possess to any drawings, details, specifications, documents, and other information created before each of their first involvement with the Project and subsequently incorporated into the Project's documents. City-furnished data that may be relied upon by Consultant is limited to the printed copies that are delivered to the Consultant pursuant to Article 2 of this Agreement. Any copyrighted electronic files furnished by City shall be used by Consultant only for the Project as described herein. City's posting or publication of such documents created by Consultant for City shall constitute fair use and shall not constitute an infringement of Consultant's copyright, if any.
- 7.3 Documents that may be relied upon by City are limited to the printed copies (also known as hard copies) that are signed or sealed by the Consultant. Files in electronic media format of text, data, graphics, or of other types that are furnished by Consultant to City are only for

- convenience of City, unless the delivery of the Project in electronic media format has been dictated in Attachment A, Scope of Services. Any conclusion or information obtained or derived from electronic files provided for convenience will be at the user's sole risk.
- 7.4 Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within sixty (60) days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the party delivering the electronic files. Unless stated otherwise herein, Consultant shall not be responsible to maintain documents stored in electronic media format after acceptance by City.
- 7.5 When transferring documents in electronic media format, Consultant makes no representations as to long term compatibility, usability, or readability, of documents resulting from the use of software application packages, operating systems, or computer hardware differing from that as required of, and used by, Consultant at the beginning of this Project.
- 7.6 City may make and retain copies of Documents for information and reference in connection with use on the Project by the City, or his authorized representative. Such Documents are not intended or represented to be suitable for reuse by City or others on extensions of the Project or on any other project. Any such reuse or modifications without written verification or adaptation by Consultant, as appropriate for the specific purpose intended, will be at City's sole risk and without liability or legal exposure to the Consultant or to Consultant's sub-consultants.
- 7.7 If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.
- 7.8 Any verification or adaptation of the Documents for extensions of the Project or for any other project will entitle Consultant to further compensation at rates to be agreed upon by City and Consultant.

ARTICLE 8. INSURANCE.

- 8.1 During the performance of the Services under this Agreement, Consultant shall maintain the following minimum insurance:
- a) General Liability Insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 annual aggregate.
 - b) Automobile Liability Insurance with a combined single limit of \$1,000,000 for each person and \$1,000,000 for each accident.
 - c) Workers' Compensation Insurance Coverage A in accordance with statutory requirements and Coverage B, Employer's Liability Insurance, with a limit of \$500,000 for each occurrence.

- d) Professional Liability Insurance with a limit of \$1,000,000 annual aggregate.
- 8.2 Consultant shall add the City an additional insured on all policies unless otherwise prohibited.
- 8.3 Consultant shall, upon execution of this Agreement, furnish City certificates of insurance, which shall include a provision that such insurance shall not be canceled without at least thirty (30) days' written notice to City.
- 8.4 No insurance, of whatever kind or type is to be considered as in any way limiting other parties' responsibility for damages resulting from their activities in the execution of the Project. City agrees to include, or cause to be included, in the Project's construction contract, such requirements for insurance coverage and performance bonds by the Project's construction contractor as City deems adequate to indemnify City, Consultant, and other concerned parties against claims for damages and to insure compliance of work performance and materials with Project requirements.

ARTICLE 9. PAYMENT.

- 9.1 City will pay Consultant for services and expenses in accordance with the Fee Schedule proposal submitted for the Project as part of the Scope of Services. Consultant's invoices will be presented at the completion of the work or monthly and will be payable upon receipt. Payment is due upon presentation of invoice and is past due thirty (30) days from invoice date. City shall give prompt written notice of any disputed amount and shall pay the remaining amount.
- 9.2 Consultant shall be paid in full for all services under this Agreement, including City authorized overruns of the Project budget or unforeseen need for Consultant's services exceeding the original Scope of Services.
- 9.3 **TRAVEL; EXPENSES**
City shall reimburse reasonable expenses, including travel and meals, when specified in the Scope of Services, but only in accordance with the City's Travel and Expense Policy and Procedures Manual. The maximum amount will be applied as of the date of travel and as listed in the per diem reimbursement rates on the "CONUS" website developed by the United States General Services Administration, located at www.gsa.gov [click on 'per diem rates' under the 'etools' category].

ARTICLE 10. MISCELLANEOUS PROVISIONS

- 10.1 **EQUAL EMPLOYMENT OPPORTUNITY.** In connection with this Agreement and the Project, City and Consultant shall not discriminate against any employee or applicant for employment because of race, color, sex, national origin, disability or marital status. City and Consultant will take affirmative action to ensure that the contractor used for the

Project does not discriminate against any employee and employees are treated during employment without regard to their race, age, religion, color, gender, national origin, disability or marital status. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination, rates of pay or other forms of compensation; and selection for training, including apprenticeship.

10.1.1 Consultant shall insert the foregoing provision in all contracts relating to this Project.

- 10.2 TITLE VI – CIVIL RIGHTS ACT OF 1964. City and Consultant shall comply with all the requirements imposed by Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d), 49 C.F.R., Part 21, and related statutes and regulations.

10.2.1 Consultant shall insert the foregoing provision in all contracts relating to this Project.

- 10.3 NO THIRD PARTY RIGHTS CREATED. City and Consultant each binds itself and its successors, executors, administrators, permitted assigns, legal representatives and, in the case of a partnership, its partners, to the other party to this Agreement and to their successors, executors, administrators, permitted assigns, legal representatives and partners of such other party in respect to all provisions of this Agreement. The Services provided for in this Agreement are for the sole use and benefit of City and Consultant. Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than City and Consultant.

- 10.4 WARRANTIES/LIMITATION OF LIABILITY/WAIVER. City reserves all rights afforded to local governments under law for all general and implied warranties. City does not waive any rights it may have to all remedies provided by law and therefore any attempt by Consultant to limit its liability shall be void and unenforceable.

ARTICLE 11. EXTENT OF AGREEMENT:

- 11.1 APPLICABLE LAW/CHOICE OF FORUM AND VENUE. This Agreement is made under and will be construed in accordance with the laws of the State of Tennessee without giving effect to that state's choice of law rules. The parties' choice of forum and venue shall be exclusively in the courts of Williamson County, Tennessee. Any provision of this Agreement held to violate a law or regulation shall be deemed void, and all remaining provisions shall continue in force.
- 11.2 ENTIRE AGREEMENT. This Agreement, including these terms and conditions, represent the entire Agreement between City and Consultant for this Project and supersedes all prior negotiations, representations or agreements, written or oral. This Agreement may be amended only by written instrument signed by City and Consultant.

ARTICLE 12. DISPUTE RESOLUTION, BREACH.

- 12.1 If a dispute should arise relating to the performance of or payment for the Services under this Agreement, the aggrieved party shall notify the other party of the dispute within a reasonable time after such dispute arises. During the pendency of any dispute, the parties shall continue diligently to fulfill their respective obligations hereunder. No arbitration or mediation shall be required as a condition precedent to filing any legal claim arising out of or relating to this Agreement. No arbitration or mediation shall be binding.
- 12.2 **BREACH.** Upon deliberate breach of the Agreement by either party, the non-breaching party shall be entitled to terminate the Agreement with notice, with all of the remedies it would have in the event of termination, and may also have such other remedies as it may be entitled to in law or in equity.

ARTICLE 13. SURVIVAL.

The provisions contained in this Professional Services Agreement shall survive the completion of or any termination of the Agreement, contract or other document to which it may accompany or incorporate by reference or which subsequently may be modified, unless expressly excepted from this Article upon consent of both parties.

BY: _____
Consultant's Signature
TITLE: _____
Date: _____

BY: _____
Dr. Ken Moore
Mayor
Date: _____

Approved as to Form:

Maricruz R. Fincher, Staff Attorney



March 4, 2020
File No. 35968-01

Ms. Shahad Abdulrahman
City of Franklin
109 Third Avenue South
Franklin, Tennessee 37064

**RE: BICENTENNIAL PARK – PHASES 1 & 2
DESIGN DEVELOPMENT AND CONSTRUCTION DOCUMENTS - REV 2**

Dear Ms. Abdulrahman:

Barge Design Solutions, Inc. (Barge) encloses the details of our revised proposal based on comments received at the previous work session. Attachment A for the Design Development and Construction Documents of the Bicentennial Park Phases 1 and 2 has been revised.

Based on our review of the City's comments, the only comments that impacted cost were the following:

1. The addition of a turnaround at the east end of North Margin Street.
2. Added Alternate #2 which includes the option to permanently pave the Phase 2 parking area in lieu of using reinforced turf. Barge will provide two sets of construction drawings for the Phase 2 parking area. One set will include plans for a reinforced turf parking area. The second set will include plans for a permanently paved parking area with required lighting, storm sewer, curb, and landscaping.

If we have not fully addressed your project requirements, or if you have questions regarding the proposal, please advise me immediately by calling (615) 252-4329.

Please have the party responsible for our fee sign and return to us the enclosed Agreement as your acceptance of the proposal and as your authorization to proceed. We will forward a fully executed copy to you.

Sincerely,
Barge Design Solutions, Inc.

A handwritten signature in blue ink that reads "Adrian Ward".

Adrian Ward
Manager

Enclosures

cc: Mr. Paul Holzen, City of Franklin
Ms. Lisa Clayton, City of Franklin
Barge Project Team

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**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
City of Franklin, TN
March 4, 2020**

The scope of work is presented in the following elements.

- I. Project Description
- II. Scope of Services
- III. Assumptions
- IV. Additional Services
- V. Time of Performance
- VI. Client's Responsibilities
- VII. Deliverables
- VIII. Compensation

I. Project Description

The Bicentennial Park Improvements project is located in the City of Franklin between 3rd Avenue, North Margin Street, and the Harpeth River and consists of approximately 10 acres. The project includes proposed design improvements of the existing pavilion structure, development of the park, and general upgrades to establish a new event space for the City. The intent and purpose of this park is to serve multiple uses by the City of Franklin Parks Department, including entertainment and other types of venues, as well as to serve as a park for the general community. Barge completed the schematic design of the park in January 2017. The Schematic Site Plan can be seen in Attachment B. This scope of work includes the preparation of the design development and construction documents necessary for construction of the park.

The park will be designed in two phases in one set of bid documents, with Phase 2 being bid as an add Alternate #1. The phases are separated by an existing drainage swale that runs north to south, splitting the site into two areas. Phase 1 (approximately 6.2 acres) includes the majority of the proposed elements located to the west of the swale; and Phase 2 - Alternate #1 (approximately 3.5 acres) includes the future reinforced turf parking area located to the east of the swale, the pedestrian bridge over the swale, and the extension of North Margin Street. Phase 2 – Alternate #2 will include designing the temporary grass parking area as a paved parking area with curb, site lighting, and a storm sewer system. Construction documents will be provided to the City and will include designs for both the reinforced turf parking area alternate and the paved parking area alternate

The approved Schematic Site Plan provides a legend showing the different proposed design elements in Phases 1 and 2 and are numbered sequentially. It should be noted that the City decided to eliminate the park entry/gateway (1) and the park shelter (3) from the project, so they are not included in this scope. Below is a written description of each of the associated major elements, with the element number in parentheses reflected in the Attachment B legend.

Phase 1

Existing Pavilion – The existing pavilion is the centerpiece of the plan. Improvements to the pavilion will include some needed structural repairs, addition of a fire suppression system, painting of the structure, addition of ceiling fans, LED lighting and electrical service for vendors



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
City of Franklin, TN
March 4, 2020**

and performances, minimal railings around the perimeter where needed, ADA ramps on the north end of the pavilion, resurfacing of the concrete floor, and potentially a new roof (will be bid as an alternate). A ramp (15) will be provided on the south end of the building so that service and delivery trucks can access the floor slab. A loading dock is proposed in the northwest corner of the building. The north side of the building will be accessible by tractor trailer in order to allow for access by trucks with fold-down stages for musical performances. Hose bibs will be installed as a water source and for cleaning the pavilion floor.

Entry Gateway and Plaza (2) – The main entry plaza will be at the intersection of 3rd Avenue and North Margin Street. A stone wall and accent piers (22) will extend from the entry along North Margin Street.

Restroom (4) – The restroom will be sized to serve normal daily park use; a concrete pad is provided (21) for portable toilets to serve large events. The restroom building finished floor will be elevated approximately 8' above existing grade to get the floor above the flood elevation. Ramps will provide accessibility to the building.

Interurban Rail (5) – Specialty pavement and interpretive signage is proposed and will identify the route of the Interurban Rail line that ran through the site.

Vertical Elements (6) – A vertical architectural element is proposed on one side of the south end of the pavilion, and a new facing, possibly with the park name, will be added to the south end of the pavilion structure. This element will be connected to the pavilion and will serve both electrical and fire protection needs of the pavilion.

Pedestrian Plaza (7) – A large outdoor gathering space/plaza is proposed on the southeast corner of the building. Proposed along the outer edge of the space are sculptures that interpret the 13 virtues of Benjamin Franklin. The design of the sculptures will be by others.

Trellis (8) – An overhead trellis is proposed on the east side of the pavilion; the space under the trellis will be paved and flush with the pavilion floor, providing an extension of the pavilion space. This will provide a good space for tables and chairs for outdoor dining.

Planters (10) – Raised planters are introduced on the west side of the pavilion to define additional entrances for pedestrian access (9) to the pavilion.

Parking (11) – A parking lot with approximately 56 spaces is located on the west side of the pavilion. This area will be filled such that there will be at-grade access to the pavilion's west side from the parking lot and a constant slope to 3rd Avenue. The paving of the lot will be constructed such that it will be attractive and provide plaza space for outdoor events by closing the parking lot. In addition, two food truck parking spaces with electric and water hookups will be provided.

Stage/Plaza (12) – The stage will be an extension of the pavilion floor and could be used for smaller outdoor performances, with spectators sitting on the outdoor lawn event space (25). A series of steps down from the stage (13) will provide seating for events that will be held on the outdoor event lawn space.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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Bus Parking (23) – Three bus parking spaces will be provided along 3rd Avenue to accommodate tour and other buses visiting the park or the downtown area.

Greenway Connector (24) – A new multiuse path will run along North Margin Street and tie into the existing greenway along the Harpeth River.

Outdoor Lawn Event Space (25) – This open lawn area can be used for seating for performances on the stage/plaza (12) or the location of a tent for very large gatherings in the park. A connecting path will run north through the park, also intersecting with the recently constructed section of the greenway. Space is provided along this path for rotating public art exhibits (30).

North Margin Street - On-street parking, associated storm drainage, curb, COF fiber, and lighting will be provided along the north side of North Margin Street between 2nd and 3rd Avenues.

Phase 2 – Design Add Alternate #1

Dust Collector Gateway Feature (16) – The existing dust collector structure will be repaired/refurbished and will function as an arch entry feature for those entering the park from the parking area to the east (20). It will also provide a sculptural element to the users of the park and pavilion.

Bridge (17) – A pedestrian bridge will be added to provide access across the existing drainage way with proposed water quality features. An entry plaza (18) will be added on the east side of the bridge.

Reinforced Turf Parking/Open Play Space (20) – This area of reinforced turf will provide parking for approximately 197 vehicles only during special events (could not be used for daily parking as the grass will not survive). The turf (grass) will have a reinforcing mat under the grass that will allow for problem-free parking even in wet weather. The reinforcing mat will not be visible once the grass grows through it. The area could be used for informal play (frisbee, kite-flying, pickup soccer games, etc.) when not being used for parking. This area of the park was an old city dump site, and the waste material is very close to the surface in many places. A layer of soil/waste will be removed to provide for a smooth and safe surface, with topsoil imported as the root zone for the turf. The area will be irrigated (as will all landscaped or grassed areas within the park).

North Margin Street - An asphalt walk exists east of 2nd Avenue that was constructed to City street standards. The existing curb and gutter located on the south side of the walk will remain as the southern edge of asphalt. The existing walk will be rebuilt to the north, using the City's street standards to match the width of North Margin Street and construct an extension to the Harpeth River between 2nd Avenue and 1st Avenue and provide a turnaround at the east end of the extension. The existing base stone for the walk will remain to serve as base for the street extension. On-street parking and storm drainage will be provided along the north side of the North Margin Street extension.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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Phase 2 – Design Add Alternate #2

In lieu of reinforced grass turf, the parking area will be designed as a paved parking area, more specifically as follows:

Paved Parking (20) – This area will provide paved parking for approximately 197 vehicles. The area will contain curbed, landscaped islands and paved parking spots. A storm sewer design will be prepared that drains runoff to a proposed bioretention area between Phase 1 and Phase 2. Site lighting will be designed to COF lighting standards, and the proposed pavement is to be light duty. The proposed bioretention area will be modified to account for the stormwater treatment volume leaving the paved parking area.

II. Scope of Services

Barge Design Solutions, Inc., proposes the following Scope of Services for Phase 1.

Civil – Phase 1

Provide civil design development and construction document services based on the previously completed schematic design park improvements and the Soil Management Plan dated May 25, 2016. Services are to include the overall project design focusing upon grading and drainage of the site and parking areas. An erosion control design will be performed to meet TDEC's requirements. Water and sanitary sewer services will be provided into the site, including meters and backflow preventors. The roadway extension of South Margin Street between 2nd and 3rd Avenues will be designed with on-street parking, storm drainage, lighting, and curb and gutter. The 10" water main will be extended from 2nd to 3rd Avenue and street lighting will be designed per COF streetscape standards.

An existing swale will be converted to a bioretention area to treat runoff from the park site as well as runoff from the Harpeth Square development. Design of the bioretention area will be by others.

A. Design Development

1. Update site layout and grading design. Assumes one (1) update.
2. Site utility design (water, sanitary sewer, gas, and electric). COF will assist with the coordination of utilities.
3. Coordinate the location of gas. The actual design will be provided by others.
4. Revise No-Rise analysis due to any grading changes
5. Attend one (1) meeting to review design development drawings and confirm approach.

B. Construction Documents

1. Prepare construction documents.
 - a. Cover sheet
 - b. Existing conditions
 - c. Site demolition plan
 - d. Civil site layout plan
 - e. Grading and drainage plan
 - f. Erosion control plans
 - g. Site utility plan



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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- h. Roadway plan/profile
 - i. Civil details
 2. Prepare calculations.
 - a. Storm drainage/detention calculations
 - b. Water quality/LID calculations
 3. Prepare a long-term maintenance plan.
 4. Prepare technical specifications. COF and TDOT specifications will be used wherever possible.
 5. Prepare a Notice of Intent and Stormwater Pollution Prevention Plan (SWPPP).
 6. Attend one (1) meeting to review drawings.
 7. Submit permit packages to relevant agencies and address comments. Attend required meetings to walk the project through the Development Review Team (DRT) process. Assume three (3) meetings. Following approval, make submittals for permits.

Landscape Architectural Design – Phase 1

Provide landscape architectural design development and construction document services for the proposed schematic design park improvements. Services are to include the overall project design focusing upon pedestrian circulation, hardscape design, planting design, irrigation design, site wayfinding signage, and site furnishings.

- A. Hardscape Design: Barge will provide design services illustrating all proposed hardscape features for the project area. Services are to include the following.
 1. Park entry walls and accent piers
 2. Pedestrian entry, plaza areas, and spaces
 3. Pedestrian pathways, ramps, steps, and railings
 4. Raised planters and seating walls
 5. Amenity areas
 6. Accent paving for public art/sculptures depicted on the master plan
 7. Special event stage seating area
 8. Design coordination related to trellis, stage covering, and building entry features
 9. Specialty pavement
 10. Plans will illustrate the following:
 - a. Material type and finishes
 - b. Dimensions and layout
 - c. Spot elevations and slopes
 - d. Notes and details
- B. Planting Design: Barge will provide landscape architectural design services illustrating the proposed planting design for the project as permitted by the budget. A site landscape plan will be developed. Barge will provide the appropriate technical specifications to perform the construction work. Plans will illustrate the following items:
 1. Plant location
 2. Plant type
 3. Plant name (scientific and common)
 4. Plant size
 5. Notes
 6. Details
 7. Quantity
- C. Irrigation Design: Barge will provide project design services illustrating the proposed irrigation design for the facility. The areas to be irrigated will be limited to proposed landscape



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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beds and natural turf areas. Plans will be drawn to a known scale and will illustrate the following:

1. Point of connection to the existing irrigation controller at Point Park in the Water Tower.
 2. Controller location
 3. Main line size and routing
 4. Valve size, type, and location
 5. Lateral line size and routing
 6. Irrigation head, type, and location
 7. Quick coupler location
 8. Notes and details
- D. **Park Signage:** Barge will provide layout information, details, and technical specifications for pedestrian park signage that will graphically depict a map of park amenities, park rules, regulations, and contact information. Signage will be developed utilizing standard City of Franklin Parks Department graphics provided by Client. Interpretive signage related to the history of the site and surrounding area can be provided as an additional service to this contract if desired, but it is not currently included in this proposal.
- E. **Site Furnishings:** Barge will coordinate with Client in the selection of site furnishings and provide layout information and technical specifications for the following site furnishings:
1. Benches
 2. Trash receptacles
 3. Bollards
 4. Planters
 5. Tables and chairs

Architectural – Phase 1

Architectural design includes design development and construction document drawings for existing pavilion upgrades, an elevated electrical/fire riser room feature on the corner of the pavilion, and new restrooms. Design elements are based on the Final Schematic Design Submittal, dated January 27, 2017. Anticipated drawings and details are as follows:

- A. **Design Development**
1. Floor plans
 2. Roof plans
 3. Exterior elevations
 4. Building sections
 5. Specifications outline
- B. **Construction Documents**
1. Details
 2. Door and window schedule and details
 3. Finish schedule
 4. Specifications
- C. Perform ADA compliance review of the pavilion and identify modifications as needed.
- D. Conduct an update review of the current building life safety codes analysis and prepare life safety plan identifying required exits, travel distance, and other factors that impact the life safety of the occupants.
- E. Identify needed pavilion gutter system and downspouts at interior roof valley and exterior edges.
- F. If needed, select and detail pavilion perimeter pedestrian railing and gate system.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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- G. Conduct programming session with Client and jointly identify/determine space needs, “image” of facility, and construction budget.
- H. Prepare restroom building and sprinkler riser/electrical room floor plans, elevations, and construction details.
- I. Prepare initial material, color, and finish selections.

Structural – Phase 1

- A. Pavilion Modifications: Provide construction documents detailing modifications and repairs necessary to resist loads in accordance with the building code and proposed usage. A previous study and analysis which was used to determine the extent of repairs will need to be revisited due to code changes that have occurred over time. Repairs and modifications include:
 - 1. Replacement of missing vertical x-bracing along the east and west sides of the structure
 - 2. Replacement of missing horizontal roof bracing
 - 3. Replacement of missing bracing angles at roof beams
 - 4. New endwall columns at the southeast face of the pavilion
 - 5. New eave members or additional structure to support new gutters
 - 6. Miscellaneous framing to support new interior gutter
 - 7. Design of miscellaneous framing to support proposed fans or electrical equipment
- B. Structural design of new CMU enclosures for elevated MPE/fire protection equipment
- C. Repair details as needed to address concrete slab defects and repair areas removed for installation or repair of internal roof drainage system
- D. Design of foundations, walls, and roof systems for the new restroom building
- E. Miscellaneous structural design support to address perimeter guardrail anchorage, trellis structures, entrance structure, retaining walls

Mechanical – Phase 1

- A. Mechanical Demolition
 - 1. The existing internal storm drain system needs repair. Within the pavilion, the rain leader piping from the internal gutter to the underground storm drain is disconnected. As part of the demolition work, the existing drain piping will be removed and replaced. The condition of the underslab drains is unknown.
- B. New Work – General
 - 1. Pavilion: The mechanical and plumbing systems serving the pavilion are as follows:
 - a. High-volume, low-speed (HVLS) ceiling fans, similar to “Big Ass Fans” manufacturer, to improve comfort and provide air circulation within the pavilion; ceiling fans will be provided. The intent is to provide six (6) HVLS fans installed in alternating bays of the pavilion.
 - b. Potable water piping will be routed throughout the pavilion to hose bibbs. The intent is to provide six (6) hose bibbs in alternating bays of the pavilion. Due to the potential exposure to freezing conditions in the pavilion, the domestic water piping will be insulated and heat traced throughout.
 - 2. Restroom facility: The mechanical and plumbing systems serving the restroom facility are as follows:
 - a. A potable water service entrance will be located within the restroom building. A means of backflow prevention is to be provided.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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- b. Domestic hot and cold water is to be supplied to permanent plumbing fixtures within the facility. A domestic hot water heater will be provided.
- c. The restroom facility will be provided with heating and ventilation systems to maintain temperatures above freezing during winter conditions and general ventilation air via exhaust fan in summer conditions.

Electrical – Phase 1

Design includes site electrical and lighting, existing pavilion, restroom buildings, roadway, parking lot, and hardscape areas. In addition to following NEC code requirements, the electrical design shall follow the City of Franklin specifications. The design shall include a submittal to the City of Franklin Design Review Committee for approval.

A. Site Electrical

- 1. Power distribution shall be included in the design to the existing pavilion, restroom building, and other areas for the parking area and hardscape features. Underground primary conduit and transformer pads shall be included in the design per MTEMC standards.
- 2. Power shall be provided for site features included in the design, such as irrigation controllers, bike-share station, food trucks, and lighting.

B. Existing Pavilion

- 1. A new 800-amp, 120/208V electrical service shall be installed at the existing pavilion. This electrical service will provide power to the pavilion, parking lot lighting, stage, restroom building, and other areas on site. The electrical equipment shall be installed in an elevated electrical room located in the vertical element (6) noted above. This electrical service shall be utilized to provide a 400-amp feeder to a panel, with connections to a trailered stage entertainment venue.
- 2. The existing pavilion shall include general convenience receptacles, lighting, and electrical connections to mechanical equipment.

C. Hardscape Lighting

- 1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting along pathways shall be pole-mounted light fixtures or bollards. Bollards shall match the existing Valencia fixtures utilized by COF.
- 2. The hardscape lighting shall include:
 - a. Floodlights for stone wall
 - b. Banner/Flagpole lighting
 - c. Greenway

E. Roadway and Parking Lot Lighting

- 1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting shall be designed along North Margin Street to match the existing 3rd Avenue fixtures and meet COF streetscape standards. A new lighting control center shall be installed to power the roadway lighting.
- 2. Lighting shall be designed for the parking lot area. The lighting shall be controlled by a separate lighting control panel and photocell.
- 3. Lighting calculations shall be provided for the new park roadway and parking lot.

F. Restroom Building

- 1. The electrical design for the restroom building includes power, lighting, and a systems plan.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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2. Grounding shall be included in the power plan.
- G. Site Communications
 1. Communications shall include one (1) 4" and one (1) 3" conduit from the pavilion to a point at the main roadway specified by the COF. The 3" conduit will serve COF fiber.
 2. Conduit shall be included for rough-in from the pavilion to the restroom building.
 3. A conduit size and route will be shown to replace the impacted COF fiber.

Fire Protection – Phase 1

- A. General
 1. A fire hydrant flow test was performed on November 10, 2016, with the City of Franklin and the results supplied to BWSC (now Barge Design Solutions, Inc.). Preliminary hydraulic calculations were performed using data from the hydrant flow test.
 2. Design criteria established during schematic design
 - a. Dry system throughout pavilion
 - b. Ordinary hazard
 - c. 0.15 GPM/SF
 - d. 3900-SF design area
 - e. 250 hose allowance
 - f. Assumed maximum allowable head spacing of 225 SF coverage area
 - g. K-factor assumed to be 5.6
 3. The preliminary hydraulic calculations were used to evaluate whether adequate pressure and flow is available to the site to eliminate the need for a fire pump. Using the calculations procedures of NFPA 13 2013, the results indicate that the existing service is adequate to protect the facility.
 4. The intent is to install a dry pipe sprinkler system throughout the pavilion. The dry pipe sprinkler riser will be installed in the vertical element (6) and be elevated to protect it from flooding.

Barge Design Solutions, Inc., proposes the following Scope of Services for Phase 2 - Design Add Alternate 1.

Civil – Phase 2 Add Alternates #1 and #2

- A. Design Development
 1. Update site layout and grading design. Assumes one (1) update.
 2. Attend one (1) meeting to review design development drawings and confirm approach.
- B. Construction Documents that include both alternates: the reinforced turf parking area and the paved parking area.
 1. Prepare construction documents.
 - a. Cover sheet
 - b. Existing conditions
 - c. Site demolition plan
 - d. Civil site layout plan
 - e. Grading and drainage plan
 - f. Erosion control plans



**Attachment A – Scope of Work
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- g. Roadway plan/profile for Margin Street between 1st and 2nd Avenues
- h. Civil details
2. Prepare calculations.
 - a. Storm drainage
 - b. Water quality calculations for modifications for the proposed bioretention area to account for the additional treatment volume generated by the paved parking area only (Phase 2 Add Alternate #2)
3. Prepare project manual and technical specifications. COF and TDOT specifications will be used wherever possible.
4. Prepare a Notice of Intent and Stormwater Pollution Prevention Plan (SWPPP) if the project is not done at the same time Phase 1 is submitted.
5. Attend one (1) meeting to review drawings.
6. Submit permit packages to relevant agencies and address comments. Following approval, make submittals for permits.

Landscape Architectural Design – Phase 2 Add Alternates #1 and #2

Provide landscape architectural design development and construction document services for the proposed Phase 2 park improvements. Services are to include the overall project design focusing upon planting design. Landscape design will include notes, details, and specifications related to reinforced turf to be utilized for the proposed overflow parking.

- A. Planting Design: Barge will provide landscape architectural design services illustrating the proposed planting design for the project as permitted by the budget. A site landscape plan will be developed. Barge will provide the appropriate technical specifications to perform the construction work. Plans will illustrate the following items:
 1. Plant location
 2. Plant type
 3. Plant name (scientific and common)
 4. Plant size
 5. Notes
 6. Details

Structural – Phase 2

- A. Structural analysis and repair details for Existing Dust Collector Structure, which will be used as a park feature.
- B. Pedestrian bridge coordinated with COF and designed by others.

Electrical – Phase 2 Add Alternate #1

- A. Hardscape Lighting
 1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting along pathways shall be pole-mounted light fixtures or bollards. Bollards shall match the existing Valencia fixtures utilized by COF.
 2. The hardscape lighting shall include:
 - a. Dust collector entry feature lighting
 - b. Greenway
- B. Roadway Lighting



**Attachment A – Scope of Work
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1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting shall be designed along North Margin Street between 2nd and 1st Avenues to match the existing 3rd Avenue fixtures.
2. Lighting calculations shall be provided.

Electrical – Phase 2 Add Alternate #2

- A. Hardscape Lighting
 1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting along pathways shall be pole-mounted light fixtures or bollards. Bollards shall match the existing Valencia fixtures utilized by COF.
 2. The hardscape lighting shall include:
 - a. Dust collector entry feature lighting
 - b. Greenway
- B. Roadway Lighting
 1. Lighting included in the design shall be LED lighting and shall meet COF specifications. Lighting shall be designed along North Margin Street between 2nd and 1st Avenues to match the existing 3rd Avenue fixtures.
 2. Lighting calculations shall be provided.
- C. Paved Parking Lighting
 1. Lighting included in the design shall be LED lighting and shall meet COF specifications.
 2. Lighting calculations will be provided.

III. Project Understanding, Assumptions, and Exclusions

- A. Barge will provide two sets of construction drawings for the Phase 2 parking area. One set will include plans for a reinforced turf parking area. The second set will include plans for a permanently paved parking area with required lighting, storm sewer, curb, and landscaping.
- B. Barge will have access to the site and adjoining areas, as required.
- C. Construction budget is assumed to be \$5.42 million for Phase 1 and \$2.89 million for Phase 2 – Add Alternate #1 based on the OPCC completed by Barge during the schematic design phase, with a 12% increase added to reflect the current market (the initial report was issued January 27, 2017). Barge will strive to work with Client in the refinement of this budget.
- D. Project is to be funded with 100% local funds such that there are no regulatory requirements outside the City that will govern the design and construction process other than those typically required by the State for erosion control, environmental protection, etc.
- E. COF zoning will allow these limited improvements to be made to the existing structure. No additional zoning, codes approvals, or planning approvals will be required beyond the standard City permitting process for this site.
- F. Appropriate sanitary sewer, water, gas, electric, and communication services are available to the site. Adequate water supply and pressure is available to achieve required fire protection flows and pressures without a pump. Adequate sanitary sewer service is available such that no pretreatment or lift station design is required.
- G. Schedule is dependent upon the timely receipt of critical information, such as final site plan, building footprints with utility points of connection, responses from regulatory authorities, and Owner/Contractor/Property Owners. Information to be provided by others will be received in



**Attachment A – Scope of Work
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- a timely manner that corresponds to the design and construction schedule. If the information is not received in a timely manner, additional design fees or time may be required.
- H. All environmental, property, land acquisition, platting, and zoning issues are assumed to have been resolved, and rezoning or variance applications are not necessary.
 - I. Any Special Waste Permit requirements from TDEC, as well as associated fees, are by the contractor or Client. Barge will work with TDEC to identify those requirements and include those in the bid documents.
 - J. Any underground tanks are to be identified by others and are not included in this Scope
 - K. Submittal fees and printing requested by Client or architect are not included in the stated price. Printing for the internal preparation of plans and standard sets for permitting are included. Permit review fees will be reimbursed at cost with no markup. Building permit fees will be waived or paid directly by the City.
 - L. No survey will be required. It is expected that the contractor currently occupying the site will return the site to its original condition.
 - M. No major relocations or design of off-site utilities, unless specified in the scope.
 - N. Site plan changes after design development will be at an additional fee.
 - O. Encroachments and mandatory referrals are not included in fee but can be provided if requested as additional services.
 - P. Assumes project is not to be LEED-certified.
 - Q. Assumes gas, electric, communication, internet, electrical or other underground vaults, grease traps, and communication service to be designed and coordinated by others. Barge plans to depict locations if provided by others in a timely manner.
 - R. Analysis, determination of need, or design of pump stations, foundation drains, or other groundwater design elements are not included in this fee.
 - S. Specifications to be City standard or TDOT specifications and will be referenced on the plans. No separate specifications are included.
 - T. In providing the OPCC, Client understands that Barge has no control over the cost or availability of labor, equipment, materials, over-market conditions, or the contractor's method of pricing, and that Barge's OPCC is made on the basis of Barge's professional judgment and experience. Barge makes no warranty, express or implied, that the bids or the negotiated cost of the work will not vary from Barge's OPCC.
 - U. Fee does not include any work not specified in the above scope. Additional services may be added to the scope based on mutual agreement and equitable adjustment in fee.
 - V. The Harpeth Square development currently has an approved design with water quality calculations to install a bioretention area on the park property. The plans and calculations will be provided to Barge at no additional cost. COF will provide the DWGs. Barge will modify as necessary to accommodate any additional water quality volumes generated from the proposed park improvements.
 - W. Lead-based paint is present, and its removal and disposal will be addressed in the bid documents.
 - X. Survey performed by Barge dated May 17, 2016, will be used as the basis for the design.
 - Y. Geotechnical report provided the COF will be used as the basis of this design.

The following excluded services can be provided as an additional service with an appropriate adjustment in fees and schedule.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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- A. Construction phase or additional geotechnical services.
- B. Traffic impact statements or studies.
- C. Additional environmental services beyond what was performed in the schematic phase.
- D. Stormwater volume reduction design and calculations that have not been specifically mentioned in the scope of work.
- E. Right-of-way encroachments or easement abandonments.
- F. LEED design, documentation, and administration.
- G. Boundary surveying, topographic surveys, legal descriptions, construction plats, and construction staking surveys unless noted herein.
- H. Preparation of multiple, separate construction contract packages.
- I. As-built surveys and/or construction record surveys.
- J. Services resulting from significant changes in general scope or character of the project or its design following approval of the Design Development submittal. Additionally, services resulting from changes from differing field conditions discovered during construction (such as, but not limited to, soil or utility conditions).
- K. Record drawing preparation based upon markups prepared by the general contractor.
- L. Development of perspective and/or presentation drawings.
- M. Project presentation/representation services, including compilation of graphics and presentation to outside groups other than Client.
- N. Zoning processing assistance (zoning variance/setback requests, rezoning, etc., or coordination of such work); property acquisition or entitlement changes, unless specified in scope.
- O. Lead-based paint and asbestos testing will be paid for by the contractor.
- P. Sanitary sewer lift station design.
- Q. Wetlands and stream permitting.
- R. Marketing services (web art, color plans, 3D model construction, still photography).
- S. Private utility locator services for existing private utilities that 811 will not locate.

IV. Time of Performance

Barge is prepared to begin work immediately upon receipt of a signed professional services agreement or written authorization to proceed. Attached is a proposed schedule for your review (Attachment C).

V. Client's Responsibilities

Barge strives to work closely with our clients. For the project team to function efficiently, certain information is needed to be provided by Client and other interested stakeholders in a timely manner. These items and responsibilities are noted below.

- A. Provide information, collaboration, and decisions as required to support completion of the scope of work as described in this agreement.
- B. Provide review comments in a timely manner.
- C. Provide single point of contact for project coordination purposes.
- D. Project budget.



**Attachment A – Scope of Work
Bicentennial Park – Phases 1 & 2
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VI. Deliverables

The following is a list of probable deliverables that will be produced as part of this effort.

- A. PDFs of Design Development plans for review
- B. PDFs of Construction Documents plans and specifications for review
- C. PDFs of permit sets
- D. PDFs of NOI and SWPPP submittal documents

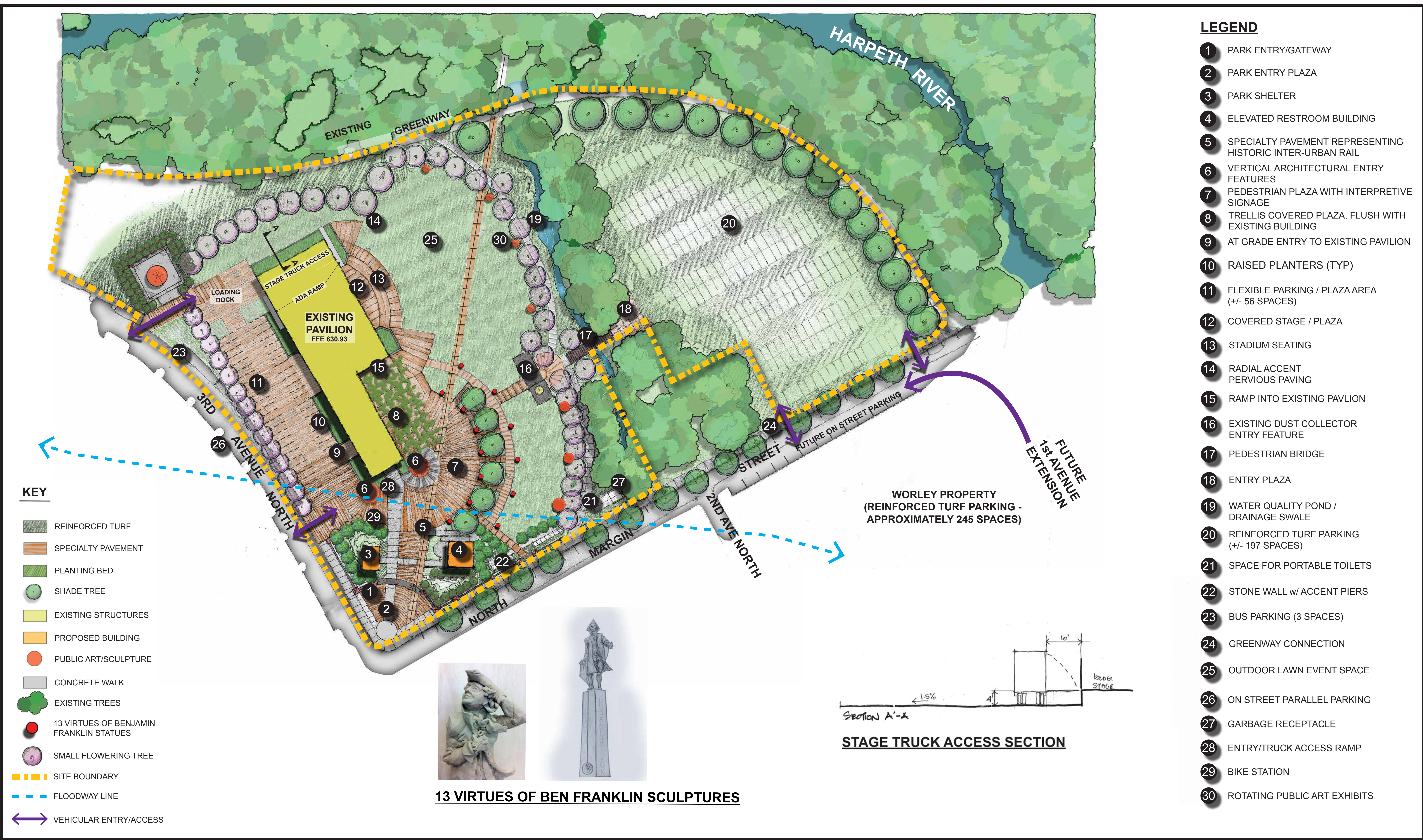
VII. Compensation

The compensation to be paid to Barge for providing requested services shall be as follows.

- **Design Development and Construction Phase Services**

Phase 1 – Engineering and Architectural Services	Lump Sum	\$313,500
Phase 2 – Engineering Services (Add Alternate #1)	Lump Sum	\$77,000
Phase 2 – Engineering Services (Add Alternate #2)	Lump Sum	\$49,000

Other expenses properly chargeable to the work will be in addition to the fees shown above.

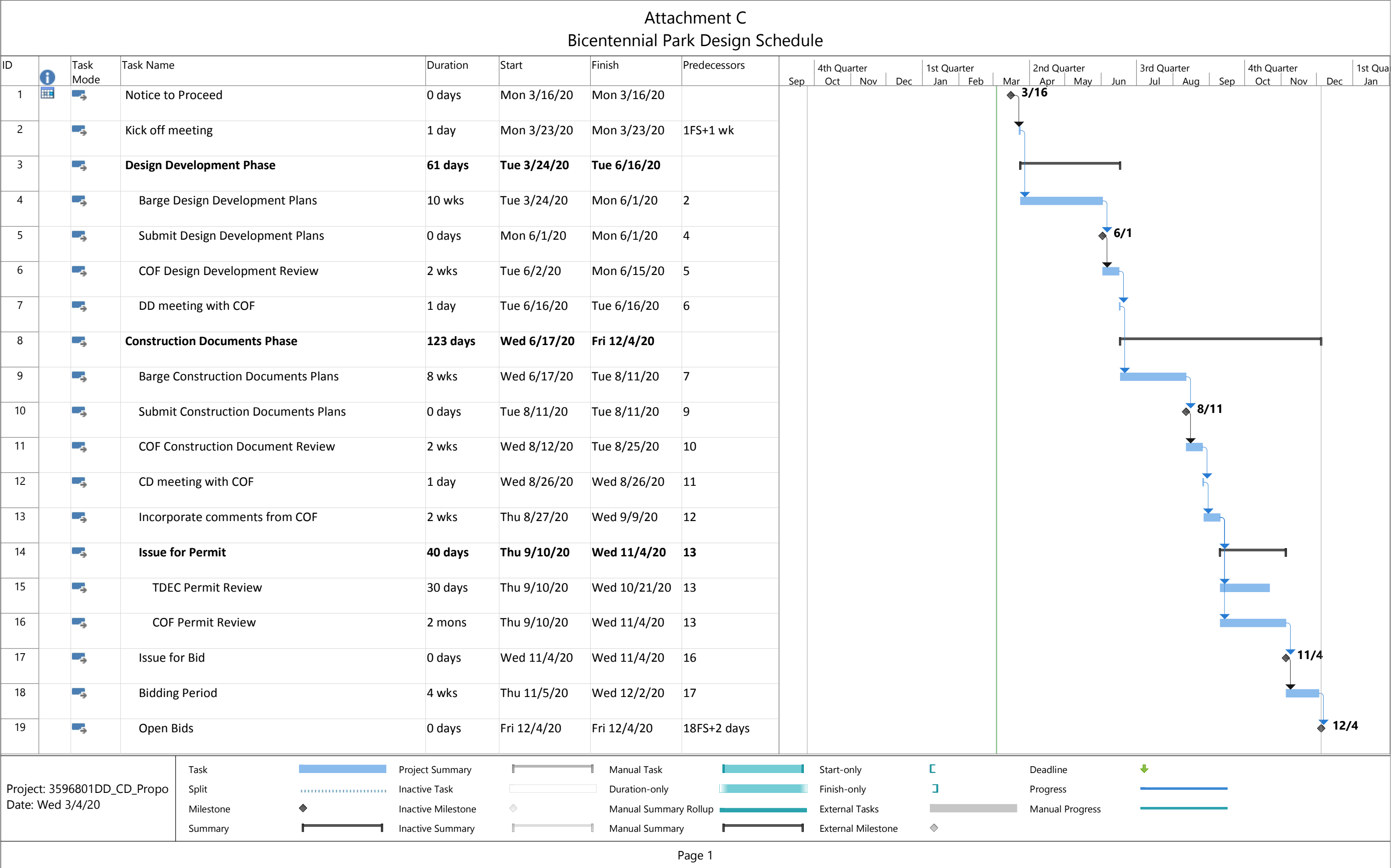


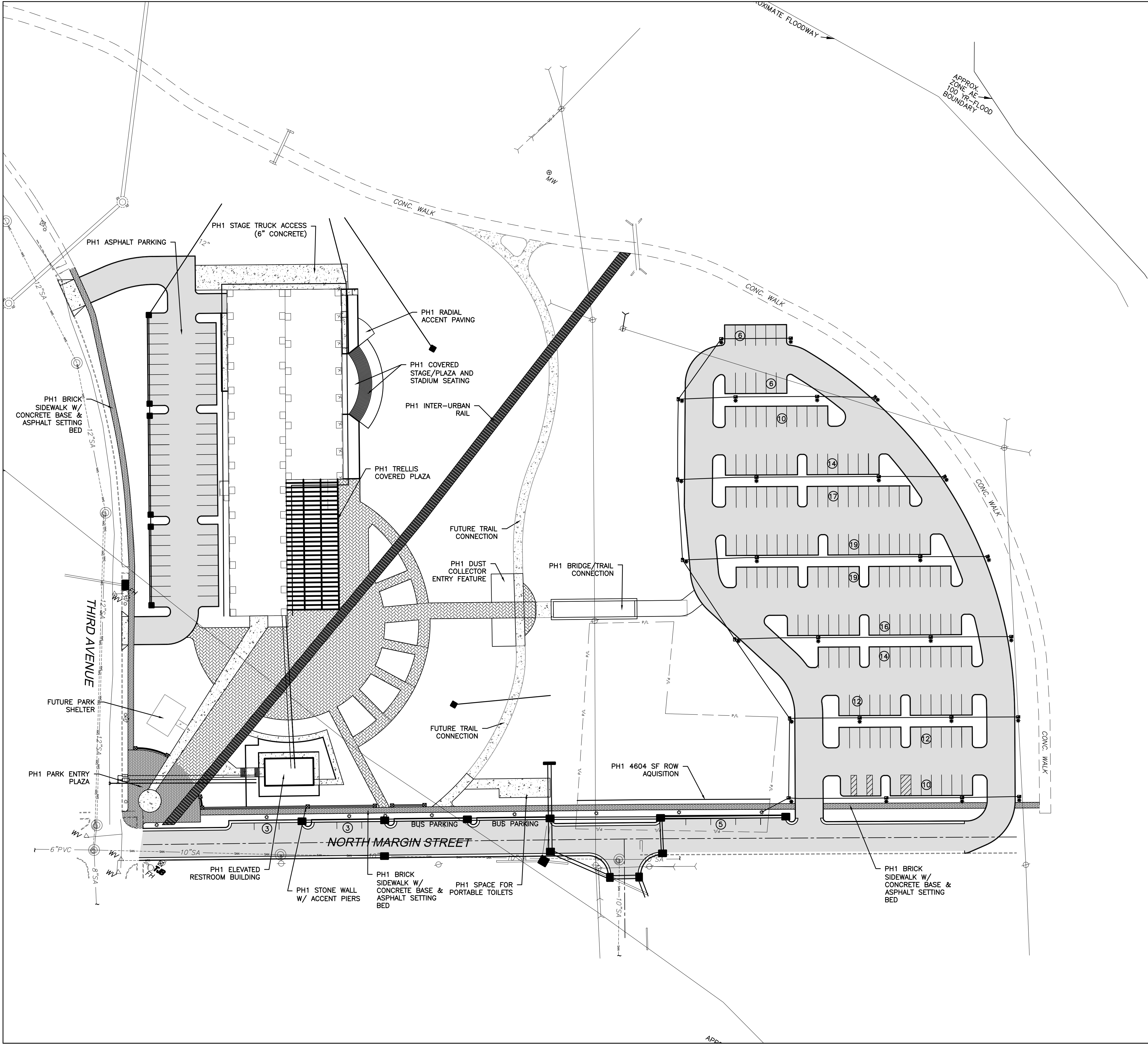
BICENTENNIAL PARK - SCHEMATIC SITE PLAN

CITY OF FRANKLIN, TN

Attachment B

AUGUST 9, 2016





2020 COMPENSATION PLAN REVIEW

BACKGROUND

- CURRENT COMPENSATION AND CLASSIFICATION STRUCTURE WAS IMPLEMENTED OVER TWO YEARS (2013 AND 2014). THE “NEW PLAN” REDUCED THE NUMBER OF PAY GRADES AND IS BASED ON BOTH PUBLIC AND PRIVATE SECTOR MARKET DATA.
- TARGETED ADJUSTMENTS HAVE BEEN MADE BASED ON MARKET CHANGES EACH YEAR IN THE BUDGET PROCESS. A COMPREHENSIVE UPDATE THE PLAN TOOK PLACE IN 2017 AND WAS IMPLEMENTED OVER SIX MONTHS (JANUARY 2018 AND JULY 2018).
- COMPENSATION CONSULTANT BURRIS & THOMPSON IS IN THE PROCESS OF WORKING WITH CITY DEPARTMENTS, HUMAN RESOURCES, CITY ADMINISTRATION, AND OUR BUDGET TEAM TO CONDUCT A COMPREHENSIVE UPDATE OF THE PLAN AS A PART OF THE FY2021 BUDGET.
- A WORK GROUP COMPRISED OF MEMBERS OF THE FRANKLIN FIRE DEPARTMENT, HUMAN RESOURCES, AND ADMINISTRATION HAS BEEN MEETING TO LOOK AT SPECIFIC PAY CONCERNS.

OUR TARGET IS TO BE IN THE TOP
15% (85TH PERCENTILE) OR
BETTER COMPARED TO THE
MARKET

PUBLIC SAFETY RECRUITMENT AND RETENTION

- WE ARE FOCUSED ON ATTRACTING AND RETAINING THE BEST PEOPLE TO SERVE THE CITIZENS OF FRANKLIN.
- IN POLICE AND FIRE, WE HAVE EXPANDED OUR ABILITY TO ATTRACT EXPERIENCED OFFICERS AND FIREFIGHTERS. “LATERAL” CANDIDATES HAVE BEEN OFFERED HIGHER THAN MINIMUM PAY TO JOIN THE CITY OF FRANKLIN TEAM. TCRS PARTICIPATION HAS BEEN A POSITIVE FACTOR.
- POLICE OFFICER STARTING PAY HAS BEEN IDENTIFIED AS AN IMPORTANT FACTOR IN ATTRACTING OFFICER CANDIDATES.
- THE CITY’S COMPENSATION (STIPEND) FOR PARAMEDICS HAS LAGGED BEHIND SOME OTHER DEPARTMENTS.

PROPOSED MARKET ADJUSTMENT FOR PUBLIC SAFETY

- **EFFECTIVE 4/1/20 THE FOLLOWING CHANGES ARE PROPOSED:**
- **POLICE OFFICER PAY:**
 - THE DEPARTMENT WILL CONTINUE TO OFFER ABOVE MINIMUM STARTING PAY OFFERS TO EXPERIENCED OFFICERS.
 - ALL NEW HIRES WHO SUCCESSFULLY COMPLETE 12 MONTHS IN THE DEPARTMENT WILL REACH A \$50,000 BASE PAY LEVEL. FY20 COST IS \$75,000. FULL ANNUAL COST IS APPROXIMATELY \$300,000 (THIS INCLUDES ADJUSTMENTS THROUGHOUT THE POLICE OFFICER POSITION.)
- **PARAMEDIC PAY:**
 - ADJUST THE ANNUAL PARAMEDIC PAY FROM \$4,550 TO \$6,550 AND INCORPORATE AS AN ADJUSTMENT TO THE HOURLY RATE. FY20 COST ESTIMATED AT \$35,000. FULL ANNUAL COST IS \$140,000 (\$102,000 BASE PLUS OT IMPACT OF \$38,000).

QUESTIONS & ANSWERS



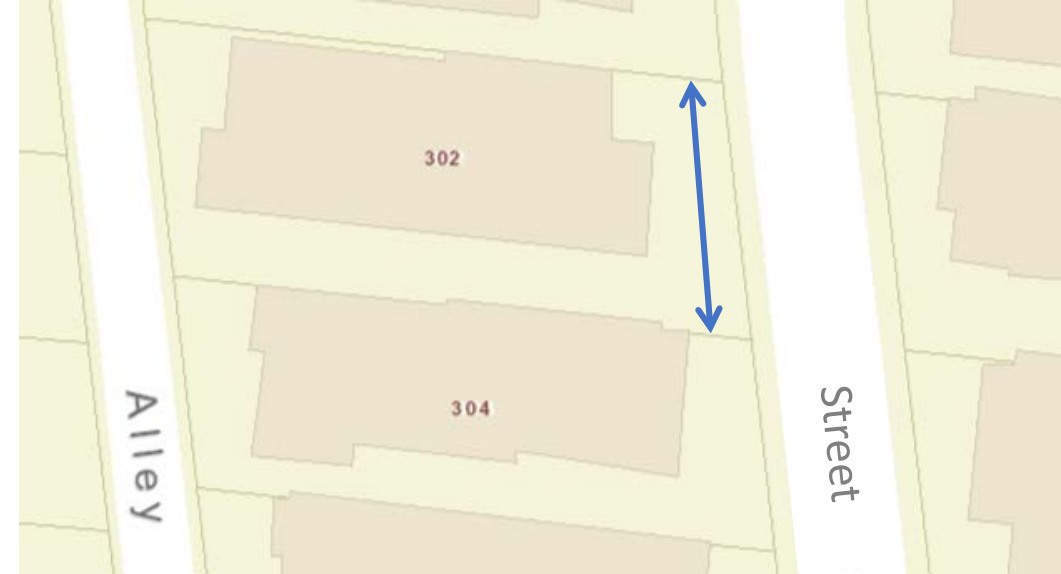
Lot Width Minimums

**Lot Width and Lot Size Minimums for Alley-Loaded
Single Family Homes**

February 25, 2020

Envision Franklin Guidance

- *Alley-loaded single family homes
- Lot Width and Lot Size Minimums
 - 45' minimum lot width
 - 4,950 minimum lot size (45 ft x 110 ft)
- Applies to Single Family, Mixed Residential and Conservation Subdivision Design Concepts



Neighborhoods
with Alley-
Loaded Lots that
meet the 45 ft
minimum

- Barclay
- Cornerstone
- Carlisle
- Lockwood Glen
- McKay's Mill
- Moores Landing
- Tywater Crossing
- Villages of Clovercroft
- Westhaven
- Willow Springs



Neighborhoods
with Alley-
Loaded Lots less
than 45 feet in
width

- Westhaven
- Berry Farms
- Lockwood Glen
- Simmons Ridge (Development Plan Revision 4)
- Waters Edge (Development Plan Revision 4)
- Echelon (11 lots)
- Jamison Station Cottages (8 lots)



Percentage of Total Units on Lots Narrower than 45 feet in width:

Examples

Lockwood Glen
11% of units

Simmons Ridge
12% of units

Echelon
7% of units

Waters Edge
10% of units

Southbrook
Version 1
27%

Southbrook
Version 2
38%

Percentage of Total Units on Lots Narrower than 40 feet in width:

Examples

Lockwood Glen
9% of units

Simmons Ridge
12% of units

Echelon
0% of units

Waters Edge
0% of units

Southbrook
Version 1 (shown
as 34'-40' width)
16%

Southbrook
Version 2 (shown
as 34'-40' width)
20%

Recommendations
Based upon

For Single Family, Mixed Residential, and
Conservation Subdivision Design Concepts:

- Development Requests;
- Existing Neighborhoods;
- Feedback from FMPC and BOMA;
- Housing Affordability/Housing Options
- Previous City standard for “Traditional” areas

Recommendation

For Single Family, Mixed Residential, and Conservation Subdivision Design Concepts:

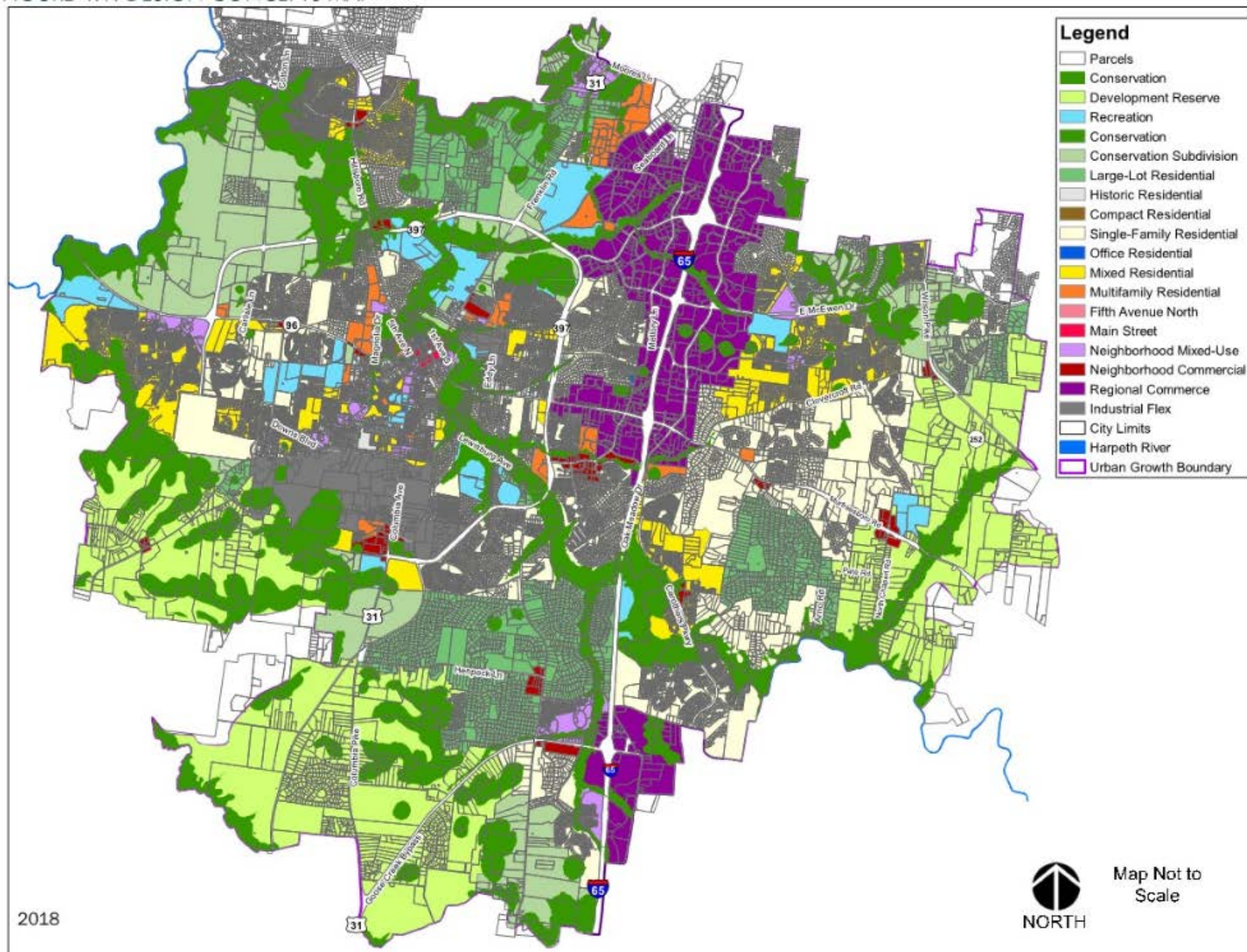
- Lots with single family dwellings accessed by alleys should have a minimum lot width of 40 feet and a minimum lot size of 4,000 square feet. However, if infrastructure, drainage, and parking concerns are adequately addressed, up to 10% of the total number of residential units could be on narrower lots as long as they are interspersed throughout the proposed development.

Minimums Apply to:

Single Family
Residential
(light yellow)

Mixed Residential
(bright yellow)

Conservation
Subdivision
(light green)



Project Schedule:

- February 13 Community Meeting
- February 27, 2020 Joint Conceptual Workshop
- March 26, 2019 FMPC at 7:00 PM (Public Hearing)