CITY OF ANGLETON
CITY COUNCIL AGENDA
120 S. CHENANGO STREET, ANGLETON, TEXAS 77515
TUESDAY, OCTOBER 28, 2025 AT 6:00 PM

Mayor | John Wright
Mayor Pro-Tem | Travis Townsend
Council Members | Barbara Simmons, Blaine Smith, Tanner Sartin, Christiene Daniel
Acting City Manager | Guadalupe "Lupe" Valdez
City Secretary | Michelle Perez

NOTICE IS HEREBY GIVEN PURSUANT TO V.T.C.A., GOVERNMENT CODE, CHAPTER 551, THAT THE CITY COUNCIL FOR THE CITY OF ANGLETON WILL CONDUCT A MEETING, OPEN TO THE PUBLIC, ON TUESDAY, OCTOBER 28, 2025, AT 6:00 P.M., AT THE CITY OF ANGLETON COUNCIL CHAMBERS LOCATED AT 120 S. CHENANGO STREET ANGLETON, TEXAS 77515.

DECLARATION OF A QUORUM AND CALL TO ORDER

PLEDGE OF ALLEGIANCE

INVOCATION

CITIZENS WISHING TO ADDRESS CITY COUNCIL

The Presiding Officer may establish time limits based upon the number of speaker requests, the length of the agenda, and to ensure meeting efficiency, and may include a cumulative time limit. Citizens may speak at the beginning or at the time the item comes before council in accordance with Texas Government Code Section 551.007. No Action May be Taken by the City Council During Public Comments.

CEREMONIAL PRESENTATIONS

1. Presentation of the Professional Municipal Court Week proclamation.

EXECUTIVE SESSION

The City Council will hold executive session pursuant to the provisions of Chapter 551 Texas Government Code, in accordance with the authority contained therein:

2. Deliberate the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee pursuant to Section 551.074 of the Texas Government Code. (Municipal Court Prosecutor Contract and Parks and Recreation Board Youth Member Appointment)

3. Discussion and possible action to approve Ordinance No. 20251014-003 appointing Jeffrey R. Gilbert the Municipal Court Judge for the Municipal Court of Record of the City of Angleton; and providing and effective date. Pursuant to Section 551.074 of the Texas Government Code.

OPEN SESSION

The City Council will now adjourn Executive Session, reconvene into Open Session pursuant to the provisions of Chapter 551 Texas Government Code and take action, if any, on item(s) discussed during Closed Executive Session.

CONSENT AGENDA

All of the following items on the Consent Agenda are considered to be self-explanatory by the Council and will be enacted with one motion. There will be no separate discussion of these items unless requested by the Mayor or a Council Member; in which event, the item will be removed from the consent agenda and considered separately.

4. Discussion and possible action on the 2026 City Holidays.

5. Discussion and possible action to approve an Engagement Letter with Crowe to provide a financial audit and report on the financial statements for Fiscal Year 2024-2025.

6. Discussion and possible action to approve the Quarterly Investment Reports for September 2025.

7. Discussion and possible action to approve Resolution No. 20251028-007 designating authorized signatories for contractual documents and documents for requesting funds pertaining to the General Land Office Community Development Block Grant – Mitigation Supplemental Program (CDBG-MIT Supplemental) and providing that this resolution shall become effective from and after its passage.

8. Discussion and possible action to approve a contract with Tetra Tech for debris monitoring services.

REGULAR AGENDA

9. Discussion and possible action on street overlays for the Fiscal Year 2025-2026 projects.

10. Update and discussion on the Abigail Arias Park Project by Claudia Walker with Burditt.

11. Discussion and possible action to consider the Angleton Estuary LLC Petition for Release of an Area from a Municipality's Extraterritorial Jurisdiction (ETJ), being a tract containing 107.483 acres of land located in John W. Cloud League & the J.DE J. Valderas Survey, Brazoria County, Texas. Pursuant to the provisions of Subchapter D, Chapter 42 of the Texas Local Government Code.

12. Discussion and possible action to award the 2024 Community Development Lift Station No. 24 Sanitary Sewer Collection System Rehabilitation Project to King Solution Services, LLC in the amount of $163,536.00

13. Discussion and possible action on the proposed Texas Department of Transportation 288B Downtown Improvements.

14. Discussion and possible action on a water tank maintenance contract with Utility Service Co., Inc.

15. Discussion and possible action to approve Ordinance No. 20251028-015 an ordinance by the City Council of the City of Angleton, Texas authorizing the issuance and sale of the City of Angleton, Texas, Combination Tax and Revenue Certificates of Obligation, Series 2025; levying a tax and providing for the security and payment thereof; and enacting other provisions relating thereto.

16. Discussion and possible action to approve Resolution No. 20251028-016 designating a representative and alternate to the Houston-Galveston Area Council 2026 General Assembly.

EXECUTIVE SESSION

The City Council will hold executive session pursuant to the provisions of Chapter 551 Texas Government Code, in accordance with the authority contained therein:

17. Deliberate regarding security devices or security audits; the deployment, or specific occasions for implementation, of security personnel or devices pursuant to Section 551.076 of the Texas Government Code.

18. Consultation with attorney, pursuant to Section 551.071 of the Texas Government Code.

19. Deliberation regarding economic development negotiations pursuant to Section 551.087 of the Texas Government Code.

OPEN SESSION

The City Council will now adjourn Executive Session, reconvene into Open Session pursuant to the provisions of Chapter 551 Texas Government Code and take action, if any, on item(s) discussed during Closed Executive Session.

COMMUNICATIONS FROM MAYOR AND COUNCIL

ADJOURNMENT

If, during the course of the meeting and discussion of any items covered by this notice, City Council determines that a Closed or Executive Session of the Council is required, then such closed meeting will be held as authorized by Texas Government Code, Chapter 551, Section 551.071 - consultation with attorney; Section 551.072 - deliberation regarding real property; Section 551.073 - deliberation regarding prospective gift; Section 551.074 - personnel matters regarding the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; Section 551.076 - deliberation regarding security devices or security audit; Section 551.087 - deliberation regarding economic development negotiations; Section 551.089 - deliberation regarding security devices or security audits, and/or other matters as authorized under the Texas Government Code. If a Closed or Executive Session is held in accordance with the Texas Government Code as set out above, the City Council will reconvene in Open Session in order to take action, if necessary, on the items addressed during Executive Session.

CERTIFICATION

I, Michelle Perez, City Secretary, do hereby certify that this Notice of a Meeting was posted on the City Hall bulletin board, a place convenient and readily accessible to the general public at all times and to the City's website, www.angleton.tx.us, in compliance with Chapter 551, Texas Government Code. The said Notice was posted on the following date and time: Wednesday, October 22, 2025, by 6:00 p.m. and remained so posted continuously for at least three business days preceding the scheduled time of said meeting.

/S/ Michelle Perez
Michelle Perez, TRMC, CMC
City Secretary

Public participation is solicited without regard to race, color, religion, sex, age, national origin, disability, or family status. In compliance with the Americans with Disabilities Act, the City of Angleton will provide reasonable modifications and/or auxiliary aids for persons with disabilities needing special accommodation to participate in this proceeding, or those requiring language assistance (free of charge) attending any City-sponsored meetings. Please contact the City's ADA Coordinator, Colleen Martin, no later than seventy-two (72) hours prior to the meeting, at 979-849-4364, extension 2132, or email cmartin@angleton.tx.us to arrange auxiliary aides or accommodations necessary.

Office of the MAYOR
City of Angleton, Texas
Proclamation

WHEREAS, municipal courts play a significant role in preserving public safety and promoting quality of life in Texas; and

WHEREAS, more people come in contact with municipal courts than all other Texas courts combined and public impression of the Texas judicial system is largely dependent upon the public's experience in municipal court; and

WHEREAS, the City of Angleton is committed to the notion that our legal system is based on the principle that an independent, fair, and competent judiciary will interpret and apply the laws that govern us;

WHEREAS, Angleton Municipal Judges are not policy makers for the City of Angleton but are bound by the law and Canons of Judicial Conduct and are required to make decisions independent of the governing body of the City Council, city officials, and employees; and

WHEREAS, the City Council recognizes that the Constitution and laws of the State of Texas contain procedural safeguards in criminal cases for all defendants, including indigent defendants, and supports the Angleton Municipal Court in complying with such legal requirements.

NOW, THEREFORE, I, John Wright, Mayor of the City of Angleton, Texas, along with the City of Angleton City Council, do hereby proclaim that the week of November 3-7, 2025 is recognized as:

"Municipal Court Week"

PROCLAIMED this 28th day of October, 2025.

CITY OF ANGLETON, TEXAS

_____

John Wright
Mayor

ORDINANCE NO. 20251028-003

AN ORDINANCE OF THE CITY OF ANGLETON, TEXAS, APPOINTING JEFFREY R. GILBERT THE MUNICIPAL COURT JUDGE FOR THE MUNICIPAL COURT OF RECORD OF THE CITY OF ANGLETON; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City Charter provides that the Judge of the municipal court shall be appointed by the City Council of the City of Angleton and shall be a licensed attorney; and

WHEREAS, Texas Government Code Section 30.00006 mandates the municipal judge must be a resident of this state, be a citizen of the United States, be a licensed attorney in good standing and have two or more years of experience in the practice of law in this state; and

WHEREAS, Jeffrey R. Gilbert is a licensed attorney with over 20 years of experience who has successfully served as the Municipal Court Judge for the Municipal Court of Record of the City of Angleton; and

WHEREAS, Jeffrey R. Gilbert is eligible to practice law in the State of Texas and meets all the City Charter and Texas Government Code requirements to serve as the Municipal Court Judge for the Municipal Court of Record of the City of Angleton;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS:

SECTION 1. That Jeffrey R. Gilbert is appointed the Judge of the Municipal Court of Record of the City of Angleton.

SECTION 2. That his two (2) year term of office shall begin on October 1, 2025.

SECTION 3. That this Ordinance shall be effective and in full force immediately upon its adoption.

SECTION 4. It is hereby officially found and determined that the meeting at which this Ordinance was passed was open to the public, and that public notice of the time, place and purpose of said meeting was given as required by the Open Meetings Act, Texas Government Code, Chapter 551. Notice was also provided as required by Chapter 52 of the Texas Local Government Code.

PASSED AND APPROVED THIS THE 28TH DAY OF OCTOBER 2025.

CITY OF ANGLETON, TEXAS

_____
John Wright
Mayor

ATTEST:

_____
Michelle Perez, TRMC, CMC
City Secretary

City of Angleton 2026 Employee Holidays

New Year’s Day-Thursday-January 1

Martin Luther King Jr. Day-Monday-January 19

President’s Day-Monday-February 16

Texas Independence Day-Monday-March 2

Good Friday-April 3

Memorial Day-Monday-May 25

Juneteenth-Friday-June 19

Independence Day-Friday-July 3

Labor Day-Monday-September 7

Columbus Day-Monday-October 12

Veterans Day-Wednesday-November 11

Thanksgiving Day-Thursday-November 26

Day After Thanksgiving-Friday-November 27

Christmas Eve-Thursday-December 24

Christmas Day-Friday-December 25

Birthday (*Eligible after 6 months of service.*)

New Year's Day-Friday-January 1, 2027

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Colleen Martin

AGENDA CONTENT: Discussion and possible action on the 2026 City Holidays.

AGENDA ITEM SECTION: Consent Agenda

BUDGETED AMOUNT:

FUNDS REQUESTED:

FUND:

EXECUTIVE SUMMARY:

Request approval for the 2026 City of Angleton employee holidays.

RECOMMENDATION:

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Susie J Hernandez, Finance Director

AGENDA CONTENT: Discussion and Possible Action to approve an Engagement Letter with Crowe to provide a financial audit and report on the financial statements for Fiscal year 2024-2025.

AGENDA ITEM CTION Regular Meeting

BUDGETED AMOUNT: N/a

FUNDS REQUESTED: N/A

FUND: N/A

EXECUTIVE SUMMARY:

Approving an Engagement Letter with Crowe will allow them to move forward with the financial audit and report on the financial statements for Fiscal year 2024-2025.

RECOMMENDATION:

Approve the Engagement letter with Crowe to provide a financial audit and report on the financial statements for Fiscal year 2024-2025.

Crowe LLP
Independent Member Crowe Global

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Houston, TX 77046
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www.crowe.com

October 3, 2025

The Honorable John Wright, Mayor
City of Angleton, Texas
121 South Velasco Street
Angleton, Texas 77515-6023

Dear Mr. Wright:

This letter agreement confirms the arrangements for Crowe LLP (“Crowe” or “us” or “we” or “our”) to provide the professional services, as more fully set forth herein (the "Services"), and the deliverables set forth herein (the "Deliverables") to City of Angleton, Texas (“you”, “your” or “Client”). The attached Crowe Engagement Terms, and any attachments or addenda thereto, are an integral part of this letter agreement and are incorporated herein by reference (collectively, the letter agreement, Crowe Engagement Terms, and any attachments or addenda are defined as the “Agreement”).

AUDIT SERVICES

Our Responsibilities

We will audit and report on the financial statements of the Client for the year ending September 30, 2025.

We will audit and report on the financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information, including the related notes to the financial statements, which collectively comprise the basic financial statements of the Client for the period indicated.

The component units will be audited as part of the financial statements of the Client as noted below:

1. Angleton Better Living Corporation: Blended, No Separate Financial Statements
2. Tax Increment Reinvestments Zone #1: Blended, No Separate Financial Statements
3. Tax Increment Reinvestments Zone #2: Blended, No Separate Financial Statements
4. Green Trails Public Improvement District: Blended, No Separate Financial Statements
5. Riverwood Ranch Public Improvement District: Blended, No Separate Financial Statements
6. Kiber Reserve Public Improvement District: Blended, No Separate Financial Statements
7. Greystone Public Improvement District: Blended, No Separate Financial Statements
8. Austin Colony Public Improvement District: Blended, No Separate Financial Statements

In addition to our report on the financial statements, we plan to evaluate the presentation of the following supplementary information in relation to the financial statements as a whole, and to report on whether this supplementary information is fairly stated, in all material respects, in relation to the financial statements as a whole.

- Combining Statement(s) and Schedule(s)
- Budgetary Comparison Schedule(s)

In addition to our report on the financial statements, we also plan to perform specified procedures in order to describe in our report whether the following required supplementary information is presented in accordance with applicable guidelines. However, we will not express an opinion or provide any assurance on this information due to our limited procedures.

- Management's Discussion and Analysis
- Budgetary Comparison Schedule(s)
- Pension Schedule(s), as applicable
- OPEB Schedule(s), as applicable

The document will also include the following additional information that will not be subjected to the auditing procedures applied in our audit of the financial statements, and for which our auditor's report will disclaim an opinion:

- Introductory Section

The objective of the audit is the expression of an opinion on the financial statements. We will plan and perform the audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Those standards require that we obtain reasonable, rather than absolute, assurance about whether the financial statements are free of material misstatement whether caused by error or fraud. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Because of inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk that some material misstatements may not be detected exists, even though the audit is properly planned and performed in accordance with GAAS. An audit is not designed to detect error or fraud that is immaterial to the financial statements.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment including the assessment of the risks that the financial statements could be misstated by an amount that we believe would influence the judgment made by a reasonable user of these financial statements. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. As required by the standards, we will maintain professional skepticism throughout the audit.

In making our risk assessments, we obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the Client's internal control. However, we will communicate in writing to those charged with governance and management concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we have identified during the audit. We will communicate to management other deficiencies in internal control identified during the audit that have not been communicated to management by other parties and that, in our professional judgment, are of sufficient importance to merit management's attention. We will also communicate certain matters related to the conduct of the audit to those charged with governance, including (1) fraud involving senior management, and fraud (whether caused by senior management or other employees) that causes a material misstatement of the financial statements, (2) illegal acts that come to our attention (unless they are clearly inconsequential) (3) disagreements with management and other significant difficulties encountered in performing the audit and (4) various matters related to the Client's accounting policies and financial statements. Our engagement is not designed to address legal or regulatory matters, which matters should be discussed by you with your legal counsel.

As part of our audit, we will conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Client's ability to continue as a going concern for a reasonable period of time.

We expect to issue a written report upon completion of our audit of the Client's financial statements. Our report will be addressed to those charged with governance of the Client. Circumstances may arise in which it is necessary for us to modify our opinion, add an emphasis of matter or other matter paragraph or a separate section in the auditor's report, or withdraw from the engagement.

Our audit and work product are intended for the benefit and use of the Client only. The audit will not be planned or conducted in contemplation of reliance by any other party or with respect to any specific transaction and is not intended to benefit or influence any other party. Therefore, items of possible interest to a third party may not be specifically addressed or matters may exist that could be assessed differently by a third party.

The working papers for this engagement are the property of Crowe and constitute confidential information.

Although some professionals assigned to the engagement may have a Juris Doctor, an L.L.M., or other law degree, Crowe and its personnel do not practice law and have not been engaged to provide any legal advice. You acknowledge and agree that neither Crowe nor any of our personnel will be asked or engaged to provide any legal advice in providing any services to you.

The Client's Responsibilities

The Client's management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America. Management is also responsible for the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to error or fraud.

Management has the responsibility to adopt sound accounting policies, maintain an adequate and efficient accounting system, to safeguard assets, and to design and implement programs and controls to prevent and detect fraud. Management's judgments are typically based on its knowledge and experience about past and current events and its expected courses of action. Management's responsibility for financial reporting includes establishing a process to prepare the accounting estimates included in the financial statements.

Management is responsible for providing to us, on a timely basis, all information of which management is aware that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation, and other matters. Management is also responsible for providing such other additional information we may request for the purpose of the audit, and unrestricted access to persons within the Client from whom we determine it necessary to obtain audit evidence. Additionally, those charged with governance are responsible for informing us of their views about the risks of fraud within the Client, and their knowledge of any fraud or suspected fraud affecting the Client.

Monitoring independence includes monitoring affiliates and obtaining information about those entities. For the purpose of complying with applicable independence requirements, the Client agrees to provide Crowe, at least annually, a complete and accurate legal entity listing (e.g. component units included in the Client's financial statements), and a listing of other affiliated entities not included on the legal entity listing (e.g. joint ventures, jointly governed organizations, related organizations, and equity method investments). Crowe's independence may be impaired when an event occurs that impacts the Client's financial reporting entity. The financial reporting entity includes a primary government, organizations for which the primary government is financially accountable, and other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the reporting entity's basic financial statements to be misleading or incomplete. The Client is responsible for

providing Crowe timely, advance notice of events impacting the financial reporting entity so that both parties may assess the impact, if any, of such event on independence. Such notice may include timely providing Crowe notice of any changes in financial accountability amongst the primary government and current and potential component units including changes in board appointment responsibilities, financial benefit/burden relationships, or fiscal dependence. In assessing the impact of such event on independence, the parties will take appropriate action, which may require us to terminate the engagement. In addition, an impairment that extends to engagements with affiliates may require us to terminate multiple engagements, including those that may not be specific to this engagement letter.

Management is responsible for adjusting the financial statements to correct material misstatements related to accounts or disclosures. As part of our audit process, we will request from management written confirmation concerning representations made to us in connection with the audit, including that the effects of any uncorrected misstatements aggregated by us during the audit are immaterial, both individually and in the aggregate, to the financial statements, and to the Client's compliance with the requirements of its Federal programs. Management acknowledges the importance of management's representations and responses to our inquiries, and that they will be utilized as part of the evidential matter we will rely on in forming our opinion. Because of the importance of such information to our engagement, you agree to waive any claim against Crowe and its personnel for any liability and costs relating to or arising from any inaccuracy or incompleteness of information provided to us for purposes of this engagement.

Management is responsible for the preparation of the supplementary information identified above in accordance with the applicable criteria. As part of our audit process, we will request from management certain written representations regarding management's responsibilities in relation to the supplementary information presented, including but not limited to its fair presentation in accordance with the applicable criteria, the method of measurement and presentation and any significant assumptions or interpretations underlying the supplementary information. In addition, it is management's responsibility to include the auditor's report on supplementary information in any document that contains the supplementary information and that indicates that we have reported on such supplementary information. It is also management's responsibility to present the supplementary information with the audited financial statements or, if the supplementary information will not be presented with the audited financial statements, to make the audited financial statements readily available to the intended users of the supplementary information no later than the date of issuance by Client of the supplementary information and the auditor's report thereon.

Management is responsible for the preparation of the required supplementary information identified above in accordance with the applicable guidelines. We will request from management certain written representations regarding management's responsibilities in relation to the required supplementary information presented, including but not limited to whether it has been measured and presented in accordance with prescribed guidelines, the method of measurement and presentation and any significant assumptions or interpretations underlying the supplementary information.

Management is responsible for report distribution responsibilities, including determining which officials or organizations will receive the report and making the report available to the public as applicable when the audit organization is responsible for report distribution.

OTHER SERVICES

With respect to the above other services, we will perform the services in accordance with applicable professional standards. We, in our sole professional judgment, reserve the right to refuse to do any procedure or take any action that could be construed as making management decisions or assuming management responsibilities. In connection with performing the above other services, you agree to: assume all management responsibilities including making all management decisions; oversee the service by designating an individual, preferably within senior management, who possesses suitable skill, knowledge, and/or experience; evaluate the adequacy and results of the services performed; and accept responsibility for the results of the services.

FINANCIAL STATEMENT PREPARATION SERVICES

You have also asked us to assist in the preparation of your financial statements from the books and records of the Client as of and for the year(s) ending September 30, 2025. In connection with performing this service, you agree to: assume all management responsibilities including making all management decisions; oversee the service by designating an individual, preferably within senior management, who possesses suitable skill, knowledge, and/or experience; evaluate the adequacy and results of the services performed; and accept responsibility for the results of the services.

FEES

Our fees are outlined below.

Description of Services	Fee Amount
Audit of the Financial Statements of City of Angleton for the year ended September 30, 2025	$58,344

We will invoice you as our services are rendered. Generally, 30 percent will be billed and payable upon completion of interim audit procedures (normally one to four months before year end) and 70 percent during final fieldwork as work progresses. Accordingly, the fee will be split 30/70 between budget years.

Our invoices are due and payable upon receipt. Invoices that are not paid within thirty (30) days of receipt are subject to a monthly interest charge of one percent (1%) per month or the highest interest rate allowed by law, whichever is less, which we may elect to waive at our sole discretion, plus costs of collection including reasonable attorneys' fees. If any amounts invoiced remain unpaid thirty (30) days after the invoice date, you agree that Crowe may, in its sole discretion, cease work until all such amounts are paid or terminate this engagement.

PROVISION FOR THREE-YEAR PROPOSAL

We have agreed to the following fees for the next two subsequent years as follows:

Description of Services	2026	2027
Audit of the Financial Statements of City of Angleton for the years ending September 30	$60,094	$61,897

Because each year is a separate engagement and this multi-year period does not constitute a continuous engagement, we will require execution of a new engagement letter for each subsequent year listed above. However, we agree to the fees listed above for each year unless we both agree in writing to a modification.

The fees outlined above are based on certain assumptions. Those assumptions may be incorrect due to incomplete or inaccurate information provided, or circumstances may arise under which we must perform additional work, which in either case will require additional billings for our services. Examples of such circumstances include, but are not limited to:

- Changing service requirements
- New professional standards or regulatory requirements
- New financial statement disclosures
- Work caused due to the identification of, and management's correction of, inappropriate application of accounting pronouncements
- Erroneous or incomplete accounting records
- Evidence of material weakness or significant deficiencies in internal controls
- Substantial increases in the number of significant deficiencies in internal controls
- Regulatory examination matters

- Change in your organizational structure or size due to merger and acquisition activity or other events
- Change in your controls
- New or unusual transactions
- Agreed-upon level of preparation and assistance from your personnel not provided
- Numerous revisions to your information
- Lack of availability of appropriate Client personnel during fieldwork.

A federal single audit is required by the OMB's Uniform Guidance when federal funds over $1,000,000 are expended. Federal single audit fees vary based on the number of major programs as defined by OMB. The additional technical verbiage that is necessary when a federal single audit is required is not included within this engagement letter, nor does the proposed engagement fee(s) include additional fees related to a federal single audit. Should you exceed the federal single audit thresholds, a new engagement letter will be required.

A state single audit is required when grant funds that originated from the State of Texas (this does not include federal monies passed through the State) over $1,000,000 are expended. State single audit fees vary based on the number of major programs as defined by the *State of Texas Single Audit Circular*. The additional technical verbiage that is necessary when a state single audit is required is not included within this engagement letter, nor does the proposed engagement fee(s) include additional fees related to a state single audit. Should you exceed the state single audit thresholds, a new engagement letter will be required.

Additionally, to accommodate requests to reschedule fieldwork without reasonable notice, additional billings for our services could be required, and our assigned staffing and ability to meet agreed upon deadlines could be impacted.

Due to such potential changes in circumstance, we reserve the right to revise our fees. However, if such a change in circumstances arises or if some other significant change occurs that causes our fees to exceed our estimate, we will advise management.

Our fees are exclusive of taxes or similar charges, as well as customs, duties or tariffs, imposed in respect of the Services, any work product or any license, all of which Client agrees to pay if applicable or if they become applicable (other than taxes imposed on Crowe's income generally), without deduction from any fees or expenses invoiced to Client by Crowe.

The Client and Crowe agree that the Client may periodically request Crowe to provide additional services for accounting and reporting advice regarding completed transactions and potential or proposed transactions. The fees for such additional services will be based on Crowe's hourly billing rates plus expenses or as mutually agreed upon between the Client and Crowe.

To facilitate Crowe's presence at Client's premises, Client will provide Crowe with internet access while on Client's premises. Crowe will access the internet using a secure virtual private network. Crowe will be responsible for all internet activity performed by its personnel while on Client's premises. In the event Client does not provide Crowe with internet access while on Client's premises, Client will reimburse Crowe for the cost of internet access through other means while on Client's site.

MISCELLANEOUS

For purposes of this Miscellaneous section, the Acceptance section below, and all of the Crowe Engagement Terms, "Client" will mean the entity(ies) defined in the first paragraph of this letter and will also include all related parents, subsidiaries, and affiliates of Client who may receive or claim reliance upon any Crowe work product.

Crowe will provide the Services to Client under this Agreement as an independent contractor and not as Client's partner, agent, employee, or joint venturer under this Agreement. Neither Crowe nor Client will have any right, power or authority to bind the other party.

This Agreement reflects the entire agreement between the parties relating to the services (or any reports, Deliverables or other work product) covered by this Agreement. The engagement letter and any attachments or addenda hereto (including without limitation the attached Crowe Engagement Terms) are to be construed as a single document, with the provisions of each section applicable throughout. This Agreement may not be amended or varied except by a written document signed by each party. No provision of this Agreement will be deemed waived, unless such waiver will be in writing and signed by the party against which the waiver is sought to be enforced. It replaces and supersedes any other proposals, correspondence, agreements and understandings, whether written or oral, relating to the services covered by this Agreement, and each party agrees that in entering this Agreement, it has not relied on any oral or written representations, statements or other information not contained in or incorporated into this Agreement. Any non-disclosure or other confidentiality agreement is replaced and superseded by this Agreement. Each party shall remain obligated to the other party under all provisions of this Agreement that expressly or by their nature extend beyond and survive the expiration or termination of this Agreement. If any provision (in whole or in part) of this Agreement is found unenforceable or invalid, this will not affect the remainder of the provision or any other provisions in this Agreement, all of which will continue in effect as if the stricken portion had not been included. This Agreement may be executed in two or more actual, scanned, emailed, or electronically copied counterparts, each and all of which together are one and the same instrument. Accurate transmitted copies (transmitted copies are reproduced documents that are sent via mail, delivery, scanning, email, photocopy, facsimile or other process) of the executed Agreement or signature pages only (whether handwritten or electronic signature), will be considered and accepted by each party as documents equivalent to original documents and will be deemed valid, binding and enforceable by and against all parties. This Agreement, including any claim, action or dispute arising out of or related in any way to this Agreement, the Services provided by Crowe or the parties' relationship generally, whether in contract, tort or otherwise, will be governed and construed in accordance with the laws of the State of Illinois applicable to agreements made and wholly performed in that state, without giving effect to its conflict of laws rules to the extent those rules would require applying another jurisdiction's laws.

* * * * *

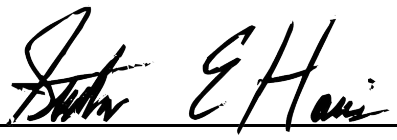
We are pleased to have this opportunity to serve you, and we look forward to a continuing relationship. If the terms of this Agreement are acceptable to you, please sign below and return one copy of this Agreement at your earliest convenience. Please contact us with any questions or concerns.

(Signature Page Follows)

ACCEPTANCE

I have reviewed the arrangements outlined above and in the attached "Crowe Engagement Terms," and I accept on behalf of the Client the terms and conditions as stated. By signing below, I represent and warrant that I am authorized by Client to accept the terms and conditions of this Agreement as stated.

IN WITNESS WHEREOF, Client and Crowe have duly executed this engagement letter effective the date first written above.

City of Angleton, Texas	Crowe LLP
	
Signature	Signature
	Stephanie Harris
Printed Name	Printed Name
	Partner
Title	Title
	October 16, 2025
Date	Date

Crowe Engagement Terms

Crowe wants Client to understand the terms under which Crowe provides its services to Client and the basis under which Crowe determines its fees. These terms are part of the Agreement and apply to all services described in the Agreement as well as all other services provided to Client (collectively, the "Services"), unless and until a separate written agreement is executed by the parties for separate services. Any advice provided by Crowe is not intended to be, and is not, investment advice.

CLIENT'S ASSISTANCE – For Crowe to provide Services effectively and efficiently, Client agrees to timely provide Crowe with information requested and to make available to Crowe any personnel, systems, premises, records, data, or other information as reasonably requested by Crowe to perform the Services. Access to such personnel and information are key elements for Crowe's successful completion of Services and determination of fees. If for any reason this does not occur, a revised fee to reflect additional time or resources required by Crowe will be mutually agreed by the parties. Client agrees Crowe will have no responsibility for any delays in providing such information to Crowe. Such information will be accurate and complete, and Client will inform Crowe of all significant tax, accounting and financial reporting matters of which Client is or becomes aware.

PROFESSIONAL STANDARDS – As a regulated professional services firm, Crowe must follow professional standards when applicable, including the Code of Professional Conduct of the American Institute of Certified Public Accountants ("AICPA"). Thus, if circumstances arise that, in Crowe's professional judgment, prevent it from completing the engagement, Crowe retains the right to take any course of action permitted by professional standards, including declining to express an opinion or issue other work product or terminating the engagement or this Agreement in whole or in part.

REPORTS – Any information, advice, recommendations or other content of any memoranda, reports, deliverables, work product, presentations, or other communications Crowe provides under this Agreement ("Reports"), other than Client's original information, are for Client's internal use only, consistent with the purpose of the Services. Client will not rely on any draft Report. Unless required by an audit or other attestation professional standard, Crowe will not be required to update any final Report for circumstances of which we become aware or events occurring after delivery.

CONFIDENTIALITY – Except as otherwise permitted by this Agreement or as agreed in writing by the parties, neither Crowe nor Client may disclose to third parties the contents of this Agreement or any information provided by or on behalf of the other that ought reasonably to be treated as confidential and/or proprietary. Client's use of any Crowe Work Product (as defined below) will be limited to its stated purpose and to Client business use only. However, Client and Crowe each agree that either party may disclose such information to the extent that it: (i) is or becomes publicly available other than through a breach of this Agreement, (ii) is subsequently received by the recipient from a third party who, to the recipient's knowledge, owes no obligation of confidentiality to the disclosing party with respect to that information, (iii) was known to the recipient at the time of disclosure or is thereafter created independently, (iv) is disclosed as necessary to enforce the recipient's rights under this Agreement, or (v) must be disclosed under applicable law, regulations, legal process or professional standards.

CLIENT-REQUIRED CLOUD USAGE – If Client requests that Crowe access information on a third-party cloud-based system including, without limitation iCloud, Dropbox, Google Docs, Google Drive (collectively, "Cloud Storage"), Client shall ensure that Client or such third-party is in compliance with all applicable laws, protecting the information in the Cloud Storage from any unauthorized access, including without limitation, unauthorized access to the information when in transit to or from the Cloud Storage. Client represents that it has authority to provide Crowe access to information in the Cloud Storage and that providing Crowe with such access complies with all applicable laws, regulations, and duties owed to third parties.

DATA PROTECTION – Client may transfer information that can be linked to specific individuals who are Client's personnel or customers ("Personal Data") if such information is necessary to provide the Services. Crowe will process Personal Data as authorized by Client and permitted by applicable law.

Client warrants (i) that it has the authority to provide the Personal Data to Crowe in connection with the Services, and (ii) that Client has processed and provided the Personal Data to Crowe in accordance with applicable law. To the extent Crowe processes Personal Data, Crowe will process such information in accordance with the Data Processing Addendum located at https://www.crowe.com/dpa.

EMAIL ENCRYPTION – Crowe and Client will each allow opportunistic TLS encryption to provide for secure email communication, and each party will notify the other in writing if it deactivates opportunistic TLS encryption. If Client fails to allow opportunistic TLS encryption, Client agrees that each party may use unencrypted electronic media to correspond or transmit information, and Client further agrees that such use of unencrypted media will not in itself constitute a breach of any confidentiality or other obligation relating to this Agreement. Otherwise, Client and Crowe agree each may use unencrypted electronic media to correspond or transmit information and such use will not in itself constitute a breach of any confidentiality obligations under this Agreement.

INTELLECTUAL PROPERTY – Any Deliverables, works, inventions, working papers, output and all other work product conceived, made or created by or on behalf of Crowe through or in connection with the Services under this Agreement ("Work Product"), and all intellectual property rights in such Work Product will be owned exclusively by Crowe. Upon full payment by Client, Crowe grants to Client a non-exclusive license to use for its business purposes any Deliverables, including any other Work Product incorporated in such Deliverables. Crowe retains exclusive ownership or control of all intellectual property rights in any ideas, concepts, methodologies, data, software, enhanced or derived data, and elements thereof, designs, utilities, tools, models, techniques, systems, Reports, or other know-how that it develops, owns or licenses in connection with this Agreement as well as any enhancements and derivatives to any of the above ("Materials"). Crowe provides the same or similar services to other clients; therefore, Client agrees that nothing in this Agreement shall preclude Crowe from developing for itself, having developed, or developing for others, anything that is similar or competitive with the Work Product. The foregoing ownership will be without any duty of accounting.

CLIENT DATA USAGE – Client shall retain full ownership of all data provided to Crowe by or on behalf of Client in connection with this Agreement, and Crowe will maintain the confidentiality and protection of Client data as set forth in this Agreement. Client warrants that (i) Client has the authority to grant Crowe the right to use the data as set forth in this Agreement, (ii) such data was obtained or collected by Client in accordance with all applicable law, and (iii) the data does not infringe on any intellectual or privacy right of a third party. Client agrees that Crowe may, in its discretion, use any Client information or data provided to Crowe for the purpose of (a) performing the Services and its obligations under this Agreement, (b) as otherwise agreed upon in writing, (c) to further improve or develop our products and services, including through machine learning or other similar methods, or (d) as necessary to comply with applicable law or professional standards. Client grants a limited, perpetual, non-exclusive, irrevocable right to use the data provided by Client to the extent such data becomes a part of or incorporated into any Work Product or Materials.

DATA AGGREGATION – Client agrees that Crowe may, in its discretion, aggregate Client content and data with content and data from other clients, other sources, or third parties ("Data Aggregations") for purposes including, without limitation, product and service development, commercialization, industry benchmarking, or quality improvement initiatives. Prior to, and as a precondition for, disclosing Data Aggregations to other Crowe customers or prospects, Crowe will deidentify or anonymize any Client data or information in a manner sufficient to prevent such other customer or prospect from identifying Client or individuals who are Client customers. All Data Aggregations will be the sole and exclusive property of Crowe.

USE OF THIRD PARTIES IN CROWE OPERATIONS – Crowe uses third-party providers and third-party solutions in the ordinary course of Crowe business operations. Third-party providers and solutions used in the ordinary course of Crowe business operations include without limitation email providers, cyber-security providers, data hosting centers, operating systems, tools with machine learning or artificial intelligence components (including generative artificial intelligence products or services), and other third-party products and solutions used to perform the Services or generate Work Product, or components

thereof. Crowe also uses its subsidiaries (owned and controlled by Crowe) within and outside the United States for various administrative and support roles. Crowe subsidiaries and any third-party providers used in the ordinary course of Crowe business operations will meet the confidentiality and data protection requirements in this Agreement. The limitations in this Agreement on Client's remedies will also apply to any such third-party providers and Crowe subsidiaries.

USE OF SUBCONTRACTORS FOR SERVICE DELIVERY – Crowe may engage third-party subcontractors in delivering Services to Client. Third-party subcontractors are not owned or controlled by Crowe (including without limitation Crowe Global member firms). If Crowe engages such a subcontractor to deliver Services to Client, Crowe will execute an agreement for the protection of Client's confidential information consistent with the provisions of this Agreement. Crowe will be solely responsible for the provision of Services (including those provided by subcontractors) and for the protection of Client's confidential information. The limitations in this Agreement on Client's remedies will also apply to any subcontractors.

LEGAL AND REGULATORY CHANGE – Crowe may periodically communicate to Client changes in laws, rules or regulations. However, Client has not engaged Crowe, and Crowe does not undertake an obligation, to advise Client of changes in (a) laws, rules, regulations, industry or market conditions, or (b) Client's own business practices or other circumstances (except to the extent required by professional standards). The scope of Services and the fees for Services are based on current laws and regulations. If changes in laws or regulations change Client's requirements or the scope of the Services, Crowe's fees will be modified to a mutually agreed amount to reflect the changed level of Crowe's effort.

PUBLICATION – Client agrees to obtain Crowe's specific permission before using any Report or Crowe work product or Crowe's firm's name in a published document, and Client agrees to submit to Crowe copies of such documents to obtain Crowe's permission before they are filed or published.

CLIENT REFERENCE – From time to time Crowe is requested by prospective clients to provide references for Crowe service offerings. Client agrees that Crowe may use Client's name and generally describe the nature of Crowe's engagement(s) with Client in marketing to prospects, and Crowe may also provide prospects with contact information for Client personnel familiar with Crowe's Services.

NO PUNITIVE OR CONSEQUENTIAL DAMAGES – Any liability of Crowe will not include any consequential, special, incidental, indirect, punitive, or exemplary damages or loss, nor any lost profits, goodwill, savings, or business opportunity, even if Crowe had reason to know of the possibility of such damages.

LIMIT OF LIABILITY – Except where it is judicially determined that Crowe performed its Services with recklessness or willful misconduct, Crowe's liability will not exceed fees paid by Client to Crowe for the portion of the work giving rise to liability. A claim for a return of fees paid is the exclusive remedy for any damages. This limit of liability will apply to the full extent allowed by law, regardless of the grounds or nature of any claim asserted, including, without limitation, to claims based on principles of contract, negligence or other tort, fiduciary duty, warranty, indemnity, statute or common law. This limit of liability will also apply after this Agreement.

TIME LIMIT ON CLAIMS – In no event will any action against Crowe, arising from or relating to this Agreement or the Services provided by Crowe relating to this engagement, be brought after the earlier of 1) one (1) year after the date on which occurred the act or omission alleged to have been the cause of the injury alleged; or 2) the expiration of the applicable statute of limitations or repose.

INDEMNIFICATION FOR THIRD-PARTY CLAIMS – In the event of a legal proceeding or other claim brought against Crowe by a third party, except where it is judicially determined that Crowe performed Services with recklessness or willful misconduct, Client agrees to indemnify and hold harmless Crowe and its personnel against all costs, fees, expenses, damages and liabilities, including attorney fees and any other fines, fees or defense costs, associated with such third party claim, relating to or arising from any Services performed or work product provided by Crowe that Client uses or discloses to others or this

engagement generally. This indemnification is intended to apply to the full extent allowed by law, regardless of the grounds or nature of any claim, liability, or damages asserted, including, without limitation, to claims, liability or damages based on principles of contract, negligence or other tort, fiduciary duty, warranty, indemnity, statute or common law. This indemnification will also apply after termination or expiration of this Agreement.

NO TRANSFER OR ASSIGNMENT OF CLAIMS – No claim against Crowe, or any recovery from or against Crowe, may be sold, assigned or otherwise transferred, in whole or in part.

RESPONSE TO LEGAL PROCESS – If Crowe is requested by subpoena, request for information, or through some other legal process to produce documents or testimony pertaining to Client or Crowe's Services, and Crowe is not named as a party in the applicable proceeding, then Client will reimburse Crowe for its professional time, plus out-of-pocket expenses, as well as reasonable attorney fees, Crowe incurs in responding to such request.

MEDIATION – If a dispute arises, in whole or in part, out of or related to this engagement, or this Agreement, after the date of this Agreement, between Client or any of Client's affiliates or principals and Crowe, and if the dispute cannot be settled through negotiation, Client and Crowe agree first to try, in good faith, to settle the dispute by mediation administered by the American Arbitration Association, under its mediation rules for professional accounting and related services disputes, before resorting to litigation or any other dispute-resolution procedure. The results of mediation will be binding only upon agreement of each party to be bound. Costs of any mediation will be shared equally by both parties. Any mediation will be held in Chicago, Illinois.

JURY TRIAL WAIVER – FOR ALL DISPUTES RELATING TO OR ARISING BETWEEN THE PARTIES, THE PARTIES AGREE TO WAIVE A TRIAL BY JURY TO FACILITATE JUDICIAL RESOLUTION AND TO SAVE TIME AND EXPENSE. EACH PARTY AGREES IT HAS HAD THE OPPORTUNITY TO HAVE ITS LEGAL COUNSEL REVIEW THIS WAIVER. THIS WAIVER IS IRREVOCABLE, MAY NOT BE MODIFIED EITHER ORALLY OR IN WRITING, AND APPLIES TO ANY SUBSEQUENT AMENDMENTS, RENEWALS, OR MODIFICATIONS TO THIS AGREEMENT. IN THE EVENT OF LITIGATION, THIS AGREEMENT MAY BE FILED AS WRITTEN CONSENT TO A BENCH TRIAL WITHOUT A JURY. HOWEVER, AND NOTWITHSTANDING THE FOREGOING, IF ANY COURT RULES OR FINDS THIS JURY TRIAL WAIVER TO BE UNENFORCEABLE AND INEFFECTIVE IN WAIVING A JURY, THEN ANY DISPUTE RELATING TO OR ARISING FROM THIS ENGAGEMENT, THIS AGREEMENT, OR THE PARTIES' RELATIONSHIP GENERALLY WILL BE RESOLVED BY ARBITRATION AS SET FORTH IN THE PARAGRAPH BELOW REGARDING "ARBITRATION."

ARBITRATION – If any court rules or finds that the JURY TRIAL WAIVER section is not enforceable, then any dispute between the parties relating to or arising from this Agreement or the parties' relationship generally will be settled by binding arbitration in Chicago, Illinois (or a location agreed in writing by the parties). Any issues concerning the extent to which any dispute is subject to arbitration, or concerning the applicability, interpretation, or enforceability of any of this Section, will be governed by the Federal Arbitration Act and resolved by the arbitrator(s). The arbitration will be governed by the Federal Arbitration Act and resolved by the arbitrator(s). Regardless of the amount in controversy, the arbitration will be administered by JAMS, Inc. ("JAMS"), pursuant to its Streamlined Arbitration Rules & Procedures or such other rules or procedures as the parties may agree upon in writing. In the event of a conflict between those rules and this Agreement, this Agreement will control. The parties may alter each of these rules by written agreement. If a party has a basis for injunctive relief, this paragraph will not preclude a party from seeking and obtaining injunctive relief in a court of proper jurisdiction. The parties will agree within a reasonable period of time after notice is made of initiating the arbitration process whether to use one or three arbitrators, and if the parties cannot agree within fifteen (15) business days, the parties will use a single arbitrator. In any event the arbitrator(s) must be retired federal judges or attorneys with at least 15 years commercial law experience and no arbitrator may be appointed unless he or she has agreed to these procedures. If the parties cannot agree upon arbitrator(s) within an additional fifteen (15) business days, the arbitrator(s) will be selected by JAMS. Discovery will be permitted only as authorized by the arbitrator(s), and as a rule, the arbitrator(s) will not permit discovery except upon a showing of substantial

need by a party. To the extent the arbitrator(s) permit discovery as to liability, the arbitrator(s) will also permit discovery as to causation, reliance, and damages. The arbitrator(s) will not permit a party to take more than six depositions, and no depositions may exceed five hours. The arbitrator(s) will have no power to make an award inconsistent with this Agreement. The arbitrator(s) will rule on a summary basis where possible, including without limitation on a motion to dismiss basis or on a summary judgment basis. The arbitrator(s) may enter such prehearing orders as may be appropriate to ensure a fair hearing. The hearing will be held within one year of the initiation of arbitration, or less, and the hearing must be held on continuous business days until concluded. The hearing must be concluded within ten (10) business days absent written agreement by the parties to the contrary. The time limits in this section are not jurisdictional. The arbitrator(s) will apply substantive law and may award injunctive relief or any other remedy available from a judge. The arbitrator(s) may award attorney fees and costs to the prevailing party, and in the event of a split or partial award, the arbitrator(s) may award costs or attorney fees in an equitable manner. Any award by the arbitrator(s) will be accompanied by a reasoned opinion describing the basis of the award. Any prior agreement regarding arbitration entered by the parties is replaced and superseded by this agreement. The arbitration will be governed by the Federal Arbitration Act, 9 U.S.C. §§ 1 et seq., and judgment upon the award rendered by the arbitrator(s) may be entered by any court having jurisdiction thereof. All aspects of the arbitration will be treated by the parties and the arbitrator(s) as confidential.

NON-SOLICITATION – Each party acknowledges that it has invested substantially in recruiting, training and developing the personnel who render services with respect to the material aspects of the engagement (“Key Personnel”). The parties acknowledge that Key Personnel have knowledge of trade secrets or confidential information of their employers that may be of substantial benefit to the other party. The parties acknowledge that each business would be materially harmed if the other party was able to directly employ Key Personnel. Therefore, the parties agree that during the period of this Agreement and for one (1) year after its expiration or termination, neither party will solicit Key Personnel of the other party for employment or hire the Key Personnel of the other party without that party’s written consent, unless the hiring or engaging party pays to the other party a fee equal to the hired or engaged Key Personnel’s compensation for the prior twelve-month period with the other party.

CROWE AND EQUAL OPPORTUNITY – Crowe abides by the principles of equal employment opportunity, including without limitation the requirements of 41 CFR 60-741.5(a) and 41 CFR 60-300.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability. Crowe also abides by 29 CFR Part 471, Appendix A to Subpart A. The parties agree that the notice in this paragraph does not create any enforceable rights for any firm, organization, or individual.

CROWE GLOBAL NETWORK – Crowe LLP and its subsidiaries are independent members of Crowe Global, a Swiss organization. “Crowe” is the brand used by the Crowe Global network and its member firms, but it is not a worldwide partnership. Crowe Global and each of its members are separate and independent legal entities and do not obligate each other. Crowe LLP and its subsidiaries are not responsible or liable for any acts or omissions of Crowe Global or any other Crowe Global members, and Crowe LLP and its subsidiaries specifically disclaim any and all responsibility or liability for acts or omissions of Crowe Global or any other Crowe Global member. Crowe Global does not render any professional services and does not have an ownership or partnership interest in Crowe LLP or any other member. Crowe Global and its other members are not responsible or liable for any acts or omissions of Crowe LLP and its subsidiaries and specifically disclaim any and all responsibility or liability for acts or omissions of Crowe LLP and its subsidiaries. Visit www.crowe.com/disclosure for more information about Crowe LLP, its subsidiaries, and Crowe Global.

FOREIGN TERRORISTS ORGANIZATIONS - Pursuant to Chapter 2252, Texas Government Code, Crowe represents and certifies that, at the time of execution of this Agreement, neither Crowe nor any wholly owned subsidiary, majority-owned subsidiary, parent company, or affiliate of the same (i) engages

in business with Iran, Sudan, or any foreign terrorist organization as described in Chapters 806 or 807 of the Texas Government Code or Subchapter F of Chapter 2252 of the Texas Government Code or (ii) is a company listed by the Texas Comptroller of Public Accounts under Sections 806.051, 807.051, or 2252.153 of the Texas Government Code. The term 'foreign terrorist organization' in this paragraph has the meaning assigned to such term in Section 2252.151 of the Texas Government Code.

REPRESENTATION REGARDING ISRAEL - Pursuant to Chapter 2271, Texas Government Code, Crowe represents that it does not boycott Israel and will not boycott Israel during the term of the Agreement. The term 'boycott Israel' shall have the meaning ascribed to this term in Section 808.001 of the Texas Government Code.

REQUIRED NON-APPROPRIATION CLAUSE - Notwithstanding anything contained in this Agreement to the contrary, in the event no funds or insufficient funds are appropriated and budgeted or are otherwise unavailable in any fiscal period for fees due under this Agreement, Client will immediately notify Crowe in writing of such occurrence and this Agreement shall terminate on the last day of the fiscal period for which appropriations have been received or made.

AUTHORIZATION OF CPA'S DISCLOSURE - Any Client certified public accountant involved with assisting Crowe shall not be prohibited from disclosure of information required to be made available by the standards of the public accounting profession in reporting on the examination of financial statements. Management understands and provides permission to staff certificate or registration holders as required under the Rules of Professional Conduct, Texas Administrative Code, Title 22, Part 22, Chapter 501, Subchapter C, Section 501.75.

IMMIGRATION - Crowe represents and warrants that it shall comply with the requirements of the Immigration and Nationality Act (8 U.S.C.§ 1101 et seq.) and all subsequent immigration laws and amendments.

ENERGY COMPANY BOYCOTTS - If Crowe is required to make a verification pursuant to Section 2276.002 of the Texas Government Code, Crowe verifies that Crowe does not boycott energy companies and will not boycott energy companies during the term of the Agreement. If Crowe does not make that verification, Crowe must so indicate in its response and state why the verification is not required.

PUBLIC INFORMATION ACT - Information, documentation, and other material in connection with this Agreement may be subject to public disclosure pursuant to Chapter 552 of the Texas Government Code (the "Public Information Act"). In accordance with Section 2252.907 of the Texas Government Code, Crowe is required to make any information created or exchanged with the Client pursuant to the Agreement, and not otherwise excepted from disclosure under the Texas Public Information Act, available in a format that is accessible by the public at no additional charge to the Client.

AGENDA ITEM SUMMARY FORM

MEETING DATE: 10/28/2025

PREPARED BY: SUSIE J HERNANDEZ

AGENDA CONTENT: Discussion and possible action to approve the Quarterly Investment Reports for Sept 2025.

AGENDA ITEM SECTION: Consent Agenda

BUDGETED AMOUNT: N/A **FUNDS REQUESTED:** N/A

FUND: N/A

EXECUTIVE SUMMARY:

Attached is the Quarterly Investment Report for the 4th Quarter of 2025 fiscal year. City funds are divided between six financial institutions (Texas Gulf Bank, JP Morgan Chase Bank, First State Bank-Louise, TexPool, Lone Star and TexSTAR). The City also has certificates of deposit through First State Bank which matures in September of 2025. The overall total of the portfolio decreased by $ 2,136,348.17 K due to PID's paying Administration fees for year and the funds being spent on approved projects.

The City's current Investment Policy sets an interest rate goal equal to that of the 91-day treasury bill which was approximately 4.24%. Some of the City's accounts with fixed interest rates did not reach this benchmark since the rates have recently changed from .05% last QE to 4.37% this quarter. We should expect to see the rates increase that are provided on our pool accounts to reflect this change by next quarter. Police Seizure account earns no interest by state law, but no service charges are being incurred. Transfers may be needed to maximize returns. However, safety of principal, diversity of funds and the financial contract with First State bank will limit some movement of funds.

RECOMMENDATION:

Staff recommends Council approve the Quarterly Investment Reports for September 30, 2025.

INVESTMENT REPORT

FISCAL YEAR 2025

4TH QUARTER

AS OF 09-30-25

INVESTMENT REPORT SEPTEMBER 30, 2025

- City funds are divided between six financial institutions: Texas Gulf Bank, JP Morgan Chase, First State Bank - Louise, TexPool, Lone Star, and TexSTAR governmental funds.
- Funds deposited in banking accounts generally have a fixed interest rate and will not fluctuate should federal interest rates increase or decrease.
- The City's current Investment Policy sets an interest rate goal equal to that of a 91-day treasury bill. This goal provides a benchmark for yield. Safety of principal is the foremost goal, so the treasury bill interest rate only serves to identify account transfer possibilities in order to earn a greater yield.

BANK INVESTMENTS

ACCOUNT NAME	INSTITUTION	FY 2025 1st Quarter As of Dec 31, 2024	FY 2025 2nd Quarter As of March 31, 2025	FY 2025 3rd Quarter As of June 30, 2025	FY 2025 4th Quarter As of Sept 30, 2025	Last Qtr. Change	Average Monthly Investment Rate
GENERAL FUND	FSBL	$3,956,264.13	$3,252,903.73	$3,839,369.04	$3,143,776.43	($695,592.61)	0.5000%
EMERGENCY FUND	FSBL	$48,844.51	$48,904.75	$48,965.74	$49,027.47	$61.73	0.5000%
EMERGENCY FUND #2	FSBL	$4,643,243.01	$5,290,629.98	$4,821,707.87	$4,843,966.27	$22,258.40	0.5000%
EMERGENCY FUND #2	FSBL	$639,524.48	$642,685.73	$840,343.78	$993,267.79	$152,924.01	0.5000%
PUBLIC FUNDS INTEREST BEARING ACCOUNT	FSBL	$11,392.55	$11,406.60	$11,420.83	$11,435.23	$14.40	0.5000%
TRUST ACCOUNT	FSBL	$17,414.94	$17,436.42	$17,458.17	$17,480.18	$22.01	0.5000%
SEIZURE ACCOUNT	FSBL	$8,366.07	$8,366.07	$8,366.07	$8,366.07	$0.00	0.5000%
ABLC	FSBL	$63,238.73	$575,278.42	$660,903.68	$934,760.97	$273,857.29	0.5000%
KIBER RESERVE PID	FSBL	$142,293.18	$157,283.32	$56,120.71	$2,595.56	($53,525.15)	0.5000%
GREYSTONE PID	FSBL	$142,573.87	$156,818.34	$64,712.38	$20,403.76	($44,308.62)	0.5000%
RIVERWOOD RANCH PID	FSBL	$188,349.18	$760,438.59	$14,162.03	$16,233.29	$2,071.26	0.5000%
GREEN TRAILS PID	FSBL	$52,079.95	$77,533.63	$28,698.29	$734.10	($27,964.19)	0.5000%
4-MONTH BUSINESS CERTIFICATE	FSBL	$373,954.36	$378,195.92	$382,948.04	$385,252.02	$2,303.98	3.6000%
4-MONTH BUSINESS CERTIFICATE	FSBL	$373,954.36	$378,195.92	$382,948.04	$385,252.02	$2,303.98	3.6000%
4-MONTH BUSINESS CERTIFICATE	FSBL	$373,954.36	$378,195.92	$382,948.04	$385,252.02	$2,303.98	3.6000%
CHASE CHECKING ACCOUNT	CHASE BANK	$115,002.97	$90,389.71	$119,998.67	$162,060.08	$42,061.41	0.0000%
						$0.00	
HOTEL ACCOUNT	TEXAS GULF BANK	$4,104.97	$4,105.48	$4,105.99	$4,109.94	$3.95	0.5000%
PURCHASE ACCOUNT	TEXAS GULF BANK	$1,590.80	$1,591.00	$1,591.20	$1,592.72	$1.52	0.5000%
2024 BOND SERIES CORPORATE OVERNIGHT	LONE STAR INV. POOL		$4,115,654.60	$4,161,180.26	$3,701,510.30	($459,669.96)	4.3700%
2013 ISSUANCE CORPORATE OVERNIGHT	LONE STAR INV. POOL	$45,522.53	$72.80	$0.21	$0.00	($0.21)	4.3000%
2018 BOND SERIES GOVERNMENT OVERNIGHT	LONE STAR INV. POOL	$7,037,855.17	$994,521.58	$1,005,244.73	$1,016,158.62	$10,913.89	4.2500%
ABLC CORPORATE OVERNIGHT	LONE STAR INV. POOL	$61,389.60	$62,072.51	$62,759.14	$63,457.85	$698.71	4.3700%
COA POOLED CASH CORPORATE	LONE STAR INV. POOL	$151,902.78	$199,548.71	$201,829.43	$204,079.33	$2,249.90	4.2500%
COA POOLED CASH GOVERNMENT	LONE STAR INV. POOL	$75,110.45	$75,917.13	$76,735.69	$77,585.86	$850.17	4.3700%
GENERAL ACCOUNT	TEXPOOL	$218,108.93	$220,462.56	$222,841.91	$229,038.50	$6,196.59	4.2520%
2020 BOND SERVICE	TEXPOOL	$440,539.49	$445,293.39	$3,737.59	$0.00	($3,737.59)	4.2520%
GENERAL ACCOUNT	TEXSTAR	$554,035.11	$603,176.86	$609,670.32	$616,248.15	$6,577.83	4.1000%
2021 BOND SERIES	TEXSTAR	$1,304,153.14	$1,313,394.14	$469.41	$0.00	($469.41)	4.1000%
2022 BOND	TEXSTAR	$8,472,933.67	$8,532,971.56	$8,656,612.48	$7,277,857.04	($1,378,755.44)	4.1000%
Total Cash Investments		**$29,517,697.29**	**$28,793,445.37**	**$26,687,849.74**	**$24,551,501.57**	**($2,136,348.17)**	

(City Funds - General Fund, Water Fund, Street Fund, Debt Service Fund, Special Funds, Capital Funds)

The Investment portfolio of the City of Angleton is in compliance with the investment strategies expressed in the City's investment policy and relevent provisions of

Chapter 2256 of the Local Government.

Susie J Hernandez, Investment Officer

Anthony Madrigal, Assistant Dir of Finance

INVESTMENT REPORT SEPTEMBER 30, 2025

- PID's decrease due to payments made to developers / Admin Fee's.
- 2020 Bond was closed – Major Project Lake Side Park
- 2021 Bond was closed – Major Project Chenango Plant
- 2022 / 2024 Bond decrease due to construction cost

INVESTMENT REPORT SEPTEMBER 30, 2025

- The accounts that are still open with TGB have low amounts of money in them and no service charge.
- The JPMorgan Chase account earns no interest. This account is used for credit card payments only and maintains an even balance when possible. The Police Seizure account earns no interest in accordance with state law.
- Investment pools are part of the portfolio as well. TexPool, TexSTAR, and Lone Star all have a Standard and Poor's rating of AAA-m. This is the rating required in order to use an investment pool as a source of interest. Should these ratings fall below an acceptable level, those funds will be reallocated.

INVESTMENT REPORT SEPTEMBER 30, 2025

- Funds are being moved into governmental investment pools when possible as those institutions are maintaining higher interest rates than banks over time.

- The investments reported this quarter comply with the City's investment policy as well as state codes. The primary goals of safety of principal as well as diversity are being met. At the same time, interest rates are comparable to the City's benchmark amounts provided by the 91-day treasury bill.

THE HEART OF BRAZORIA COUNTY ANGLETON

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Otis T. Spriggs, AICP, Director of Development Services

AGENDA CONTENT: Discussion and possible action on a resolution designating authorized signatories for contractual documents and documents for requesting funds pertaining to the General Land Office Community Development Block Grant – Mitigation Supplemental Program (CDBG-MIT Supplemental) and providing that this resolution shall become effective from and after its passage.

AGENDA ITEM SECTION: Consent Agenda

BUDGETED AMOUNT: $270,000 **FUNDS REQUESTED:** N/A

FUND: Development Services

EXECUTIVE SUMMARY:

The Resolution designates authorized signatories for Contractual and Financial Documents is a standard requirement of funding for the $270K Grant Contract: 23-160-039-E664 - City of Angleton (Texas GLO). The city applied to the GLO for $270,000 on January 30, 2024, and officially executed the Contract, and the project has commenced. There were no matching funds required.

Under this Resilient Communities Program ("RCP") funds CDBG-MIT Activities will increase our community's resilience to disasters and reduce or eliminate the impact of future disasters. RCP provides aid to the most impacted and distressed (MID) areas covered in the State of Texas CDBG Mitigation (CDBG-MIT) Action Plan as designated by the U.S. Department of Housing and Urban Development (HUD).

As a subrecipient, the City of Angleton has already been performing the Activities identified in the grant for the target area specified in the approved RCP Grant Application: ***Develop and Adopt Comprehensive Plan and Building Codes.*** Monthly draws are submitted to the GLO for reimbursement of City expenditures for the professional services performed. Such financial purchase orders and supportive invoice documentation must be authorized and submitted per the grant requirements and guidelines.

RECOMMENDATION:

Staff recommends approval of the resolution.

RESOLUTION NO. 20251028-007

A RESOLUTION BY THE CITY COUNCIL OF THE CITY OF ANGLETON, DESIGNATING AUTHORIZED SIGNATORIES FOR CONTRACTUAL DOCUMENTS AND DOCUMENTS FOR REQUESTING FUNDS PERTAINING TO THE GENERAL LAND OFFICE COMMUNITY DEVELOPMENT BLOCK GRANT - GLO CONTRACT NO. 23-160-039-E664, COMMUNITY DEVELOPMENT BLOCK RESILIENT COMMUNITIES PROGRAM AND GRANT MITIGATION PROGRAM.

WHEREAS, the City of Angleton, Texas has received a 2021 GLO Community Development Block Grant- MIT program award to perform the activities identified in the grant for the target area specified in the approved RCP Grant Application: Develop and Adopt Comprehensive Plan and Building Codes, and;

WHEREAS, it is necessary to appoint persons to execute contractual documents and documents for requesting funds from the General Land Office, and;

WHEREAS, an original signed copy of the CDBG-MIT SUPPLEMENTAL *Depository/Authorized Signatories Designation Form* is to be submitted with a copy of this Resolution, and;

WHEREAS, the City of Angleton, Texas acknowledges that if an authorized signatory of the City changes (elections, illness, resignations, etc.), the City must provide GLO with the following:

A resolution stating who the new authorized signatory is (not required if this original resolution names only the title and not the name of the signatory); and
A revised CDBG-MIT SUPPLEMENTAL *Depository/ Authorized Signatories Designation Form*.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS, AS FOLLOWS:

SECTION 1. The Mayor, City Manager, City Secretary, and Finance Director are authorized to execute contractual documents between the General Land Office and the City for the 2021 GLO Community Development Block Grant- MIT program.

SECTION 2. The Mayor, City Manager, City Secretary, and Director of Development Services are authorized to execute the financial documents required for requesting funds approved for the 2021 GLO Community Development Block Grant- MIT program.

PASSED AND APPROVED THIS THE 28TH DAY OF OCTOBER 2025.

CITY OF ANGLETON, TEXAS

_____
John Wright
Mayor

ATTEST:

_____
Michelle Perez, TRMC, CMC
City Secretary

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Laura Norman

AGENDA CONTENT: Debris Monitoring Management

AGENDA ITEM SECTION: Consent Agenda

BUDGETED AMOUNT:
This item is not part of the adopted budget but represents a contingency measure for disaster-related deployment.

FUNDS REQUESTED:
Contingency Contract

FUND: Contingency Contract

EXECUTIVE SUMMARY:

The City of Angleton issued **Request for Proposals (RFP) No. 2025-02** for Disaster Debris Monitoring Services pursuant to Texas Local Government Code §252.043. Following a competitive procurement and evaluation process, **Tetra Tech, Inc.** was determined to provide the best overall value to the City based on experience, technical approach, and cost proposal.

The attached **Master Services Agreement** establishes a three-year contract term with an option to renew for one additional three-year term upon mutual consent. Under this agreement, Tetra Tech will provide disaster debris monitoring and management services in compliance with **Federal Emergency Management Agency (FEMA)** Public Assistance Program requirements and **2 C.F.R. Part 200** federal procurement standards.

Services will include field monitoring of debris collection, load ticket documentation, temporary debris management site oversight, and project closeout documentation to ensure that debris removal activities remain eligible for FEMA reimbursement and are conducted safely, efficiently, and in full regulatory compliance.

Approval of this agreement will ensure the City maintains a qualified debris monitoring contractor on standby to support rapid post-disaster operations and financial recovery.

RECOMMENDATION:

City Council approval of the **Professional Services Agreement with Tetra Tech, Inc.** for Disaster Debris Monitoring Services, effective upon execution, for a base term of three (3) years with one (1) optional three-year renewal term.

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

THIS AGREEMENT is made this **25th day of September 2025**, by and between the **City of Angleton, Texas**, located at **121 S. Velasco Street, Angleton, TX 77515** (hereinafter referred to as ("CLIENT") and **Tetra Tech, Inc.** (hereinafter referred to as ("CONTRACTOR"), located at 2301 Lucien Way, Suite 120, Maitland, FL 32751.

WHEREAS, Client has issued **RFP No. 2025-02** for **Disaster Debris Monitoring services** pursuant Texas Local Government code § 252.043, which is attached hereto as **Exhibit A**.

WHEREAS, Client has reviewed Contractor's response to **RFP No. 2025-02**, determined that Contractor's services provide the best value for the City, and wishes to enter into a contractual agreement with Contractor to provide disaster debris monitoring services which the Technical Approach and Rate Schedule are attached hereto as **Exhibit B and C.**

NOW, THEREFORE in consideration of the promises herein and for other good and valuable consideration, the parties agree as follows:

1. **Scope of Services**: Contractor and Client agree Contractor will perform disaster debris monitoring services as described in Exhibit A and B (Client's RFP and Contractor's Technical Approach), attached hereto. Task Orders shall be issued for specific deliverables under this Agreement. Such deliverables to be provided by Contractor will be determined by Client and specified in writing on each Task Order.

2. **Term**: The term of this Agreement shall begin on the date written above and be in effect for three (3) years with the option to renew for a second three (3) year term by mutual consent.

3. **Independent Contractor**: Contractor is an independent contractor and is not an employee of Client. Services performed by Contractor under this Agreement are solely for the benefit of the Client. Nothing contained in this Agreement creates any duties on the part of Contractor toward any person not a party to this Agreement.

4. **Standard of Care**: Contractor will perform services under this Agreement with the degree of skill and diligence normally practiced by professional engineers or contractors performing the same or similar services. No other warranty or guarantee, expressed or implied, is made with respect to the services furnished under this Agreement and all implied warranties are disclaimed.

5. **Federal Requirements**: Contractor must comply with all applicable federal regulations from 2 C.F.R. § 200.326 and 2 C.F.R. Part 200, Appendix II which are attached hereto as **Exhibit D**.

6. **Uncontrollable Forces**: Neither the Client nor Contractor shall be considered to be in default of this Agreement if delays in or failure of performance shall be due to Uncontrollable Forces, the effect of which, by the exercise of reasonable diligence, the non-performing party could not avoid. The term "Uncontrollable Forces" shall mean any event which results in the prevention or delay of performance by a party of its obligations under this Agreement and which is beyond the reasonable control of the nonperforming party. It includes, but is not limited to fire, flood, earthquakes, explosion, strike, transportation, or equipment delays, act of war, Act of God, lightning, epidemic, war, riot, civil disturbance, sabotage, acts of terrorism and governmental actions outside the control of the Client. The schedule or payment under the Agreement shall be equitably adjusted, if necessary, to compensate Contractor for any additional costs due to the delay.

   Neither party shall, however, be excused from performance if nonperformance is due to forces which are foreseeable, preventable, removable, or remediable, and which the nonperforming party

could have, with the exercise of reasonable diligence, prevented, removed or remedied with reasonable dispatch. The nonperforming party shall, within a reasonable time of being prevented or delayed from performance by an uncontrollable force, give written notice to the other party describing the circumstances and uncontrollable forces preventing continued performance of the obligations of this Agreement.

7. **Fee for Services**: The fee for the services under this Agreement will be based on the actual hours of services furnished multiplied by Contractor's Billing Rates as set forth in **Exhibit C**.

   The hourly rates shall remain firm for the first year of the initial term. Hourly rates for subsequent years and any extension term years shall be subject to an annual adjustment based on the latest yearly percentage increase of the Consumer Price Index for All Urban Consumers (CPI-U)(All Items) as published by the Bureau of Labor Statistics, U.S. Department of Labor.

8. **Compensation**: Payment terms are net thirty (30) days. Client will review invoices for acceptance within ten (10) calendar days of the date of the invoice to which Client and shall promptly notify Contractor of any invoice discrepancies. Contractor and Client will work in good faith to resolve any such discrepancies within ten (10) days after notification. Should a discrepancy result in a partial rejection of any item(s) invoiced, Client shall proceed with partial payment within Net 30 days of the date of the invoice. Under no circumstances shall payment of Contractor's invoices be contingent on reimbursement of Client by any third-party authority or funding source. Any interest charges due from Client on past due invoices are in addition to amounts otherwise due under this Agreement.

   All invoices shall be delivered to:
   City of Angleton
   121 S. Velasco Street
   Angleton, TX 77515

   Payment shall be made to and delivered to:
   Tetra Tech, Inc.
   PO Box 200191
   Dallas, TX 75320-0191

9. **Indemnity**: Contractor shall save harmless the Client from all claims and liability due to activities of itself, its agents, or employees, performed under this Agreement to the extent caused by the negligent act, error or omission of the Contractor or of any person employed by the Contractor. Contractor shall also save harmless the Client from reasonable attorney fees which might be incurred by the Client in litigation or otherwise resisting said claims or liabilities which might be imposed on the Client as result of such activities by the Contractor, its agents, or employees.

10. **Insurance**: During the course of performance of the services under this agreement, Contractor will maintain the following insurance coverages:

Worker's Compensation	Statutory
Employer's Liability	U.S. $1,000,000
Commercial General Liability	U.S. $1,000,000 per occurrence
	U.S. $1,000,000 aggregate
Comprehensive General Automobile	U.S. $1,000,000 combined single limit
Professional Liability	U.S. $1,000,000 per claim and in the aggregate

Before beginning any work, Contractor shall deliver to Client, a Certificate of Insurance evidencing that the above coverages are in effect as well as naming Client as an Additional Insured. An Additional Insured Endorsement must accompany the Certificate of Insurance. Such coverage will not be canceled or materially changed without thirty (30) days written notice.

11. **Work Product**: Client shall have the unrestricted right to use the documents, analyses and other data prepared by Contractor under this Agreement ('Work Products'); provided, however Client shall not rely on or use the Work Products for any purpose other than the purposes under this Agreement and the Work Products shall not be changed without the prior written approval of Contractor. If Client releases the Work Products to a third party, other than Client's auditors, without Contractor's prior written consent, or changes or uses the Work Products other than as intended hereunder, (a) Client does so at its sole risk and discretion, and (b) Contractor shall not be liable for any claims or damages resulting from the change or use or connected with the release or any third party's use of the Work Products.

12. **Limitation of Liability**: No employee of Contractor shall have individual liability to Client. To the extent permitted by law, the total liability of Contractor, its officers, directors, shareholders, employees and Subcontractors for any and all claims arising out of this Agreement, including attorneys' fees, and whether caused by negligence, errors, omissions, strict liability, breach of contract or contribution, or indemnity claims based on third party claims, shall not exceed the greater of one million dollars (U.S. $1,000,000) or the amount actually paid to Contractor under this Agreement.

13. **No Consequential Damages**: In no event and under no circumstances shall Contractor be liable to Client for any principal, interest, loss of anticipated revenues, earnings, profits, increased expense of operation or construction, loss by reason of shutdown or non-operation due to late completion, or for any other economic, consequential, indirect or special damages.

14. **Information Provided by Others**: Client shall provide to Contractor in a timely manner any information Contractor indicates is needed to perform the services hereunder. Contractor may reasonably rely on the accuracy of information provided by Client and its representatives.

15. **Safety and Security**: Contractor has established and maintains programs and procedures for the safety of its employees. Unless specially included as a service to be provided under this Agreement, Contractor specially disclaims any authority or responsibility for job site safety and safety of persons other than Contractor's or Subcontractor's employees.

16. **Termination**: Either party may terminate this Agreement upon thirty (30) days prior written notice to the other party. Client shall pay Contractor for all services rendered to the date of termination plus reasonable expenses for winding down the services. If either party defaults in its obligations under this Agreement, the non-defaulting party, after giving ten (10) days written notice of its intention to terminate or suspend performance under this Agreement, may, if cure of the default is not commenced and diligently continued by the defaulting party, terminate this Agreement or suspend performance under this Agreement.

17. **Dispute Resolution**: Contractor and Client shall attempt to resolve conflicts or disputes under this Agreement in a fair and reasonable manner, and that if resolution cannot be made, the parties agree to attempt to mediate the conflict by a professional mediator. If mediation does not settle any dispute or action which arises under this Agreement, either party may pursue litigation after notifying the other party of its intentions.

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

18. **Successors and Assigns**: This Agreement is binding upon and will inure to the benefit of Client and Contractor and their respective successors and assigns. Neither party may assign its rights or obligations hereunder without the prior written consent of the other party.

19. **Notices**: Any notice required or permitted by this Agreement to be given shall be deemed to have been duly given if in writing and delivered personally or five (5) days after mailing by first-class, registered, or certified mail, return receipt requested, postage prepaid and addressed as follows:

Client:	**Contractor:**
Purchasing Department	Contracts Department
City of Angleton, TX	Tetra Tech, Inc.
121 S. Velasco Street	2301 Lucien Way, Suite 120
Angleton, TX 77515	Maitland, FL 32751
(979) 848-4364 ext. 2134	(407) 803-2551 (Betty Kamara)
jwilde@angleton.tx.us	TDR.Contracts@tetratech.com

20. **Severability:** The invalidity, illegality, or unenforceability of any provision of this Agreement, or the occurrence of any event rendering any portion or provision of this Agreement void, shall in no way affect the validity or enforceability of any other portion or provision of the Agreement. Any void provision shall be deemed severed from the Agreement and the remainder of the Agreement shall be construed and enforced as if the Agreement did not contain the particular portion or provision held to be void. The parties further agree to reform the Agreement to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this section shall not prevent the entire Agreement from being void should a provision which is of the essence of the Agreement be determined to be void.

21. **Governing Law and Venue:** This Agreement shall be construed under and governed by the laws of the State of Texas without giving effect to its principles on conflicts of law and applicable federal laws and regulations. Any disputes arising thereunder may only be brought in the appropriate state court in Brazoria County, Texas.

22. **Access and Audits**: Contractor shall maintain adequate financial and program records to justify all charges, expenses, and costs incurred in estimating and performing the work under this Agreement for at least three (3) years following final payment to the Client as Federal Emergency Management Agency sub-grantee. The Client shall have access to all records, documents and information collected and/or maintained by others in the course of the administration of the Agreement. This information shall be made accessible at the Contractor's place of business to the Client, FEMA Administrator, Comptroller General of the United States and their respective designees and authorized agents, for purposes of inspection, reproduction, and audit without restriction.

23. **Non-Discrimination:** The Contractor warrants and represents that all of its employees will be treated equally during employment without regard to race, color, religion, gender, age or national origin.

24. **Waiver:** A waiver by either the Client or Contractor of any breach of this Agreement shall not be binding upon the waiving party unless such waiver is in writing. In the event of a written waiver, such a waiver shall not affect the waiving party's rights with respect to any other or further breach. The making or acceptance of a payment by either party with knowledge of the existence of a default or breach shall not operate or be construed to operate as a waiver of any subsequent default or breach.

25. **Modification:** The Agreement may not be modified unless such modifications are evidenced in writing and signed by both the Client and Contractor. Such modifications shall be in the form of a written Amendment executed by both parties.

26. **Contingent Fees:** The Contractor warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Contractor to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Contractor, any fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this Agreement.

27. **Confidentiality:** No reports, information, computer programs, documentation, and/or data given to, or prepared or assembled by the Contractor under this Agreement shall be made available to any individual or organization by the Contractor without prior written approval of the Client unless such disclosure is required by a federal or Texas law or regulation.

28. **Data Protection:** Each party shall comply with all applicable laws and regulations relating to the processing, protection, or privacy of personal data, including where applicable, the guidance and codes of practice issued by regulatory bodies in any relevant jurisdiction. Each party agrees that it shall keep such personal data in a secure technological environment.

29. **Miscellaneous:** Client expressly agrees that all provisions of the Agreement, including the clause limiting the liability of Contractor, were mutually negotiated. In any action to enforce or interpret this Agreement, the prevailing party shall be entitled to recover, as part of its judgment, reasonable attorneys' fees and costs from the other party.

30. **Counterparts**: This Agreement may be executed in multiple counterparts, each of which shall be deemed to be an original instrument, but all of which taken together shall constitute one instrument.

31. **Compliance with Senate Bills, House Bill and Texas Government Code:** Contractor must comply with all applicable State regulations outlined below, which are also attached hereto as Exhibit E:

    -- Senate Bill 13 – Boycotting Energy Companies

    -- Senate Bill 19 – Discrimination Against Firearm Entities

    -- House Bill 89 – Boycotting Israel Verification (Texas Government Code 22701.001, 22701.002, and 808.001)

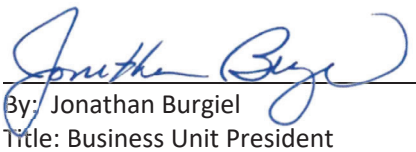
    -- Texas Government Code Chapter 2252, Section 2252.152 and Texas Government Code Chapter 2270: Contracts with companies engaged in business with Iran, Sudan, or foreign terrorist organization prohibited.

INTENTIONALLY LEFT BLANK

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

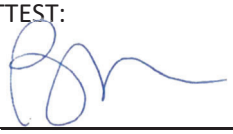
IN WITNESS WHEREOF, the Contractor has caused this Agreement to be signed in its corporate name by its authorized representative, and the Client has caused this Agreement to be signed in its legal name by persons authorized to execute this Agreement as of the day and year first written above.

CONTRACTOR:
TETRA TECH, INC.



By: Jonathan Burgiel
Title: Business Unit President

ATTEST:



Betty Kamara, Contracts Manager

CLIENT:
CITY OF ANGLETON, TEXAS

By:
Title:

ATTEST:

ATTACHMENTS:

- Exhibit A: City of Angleton, TX RFP # 2025 - 02
- Exhibit B: Tetra Tech Technical Approach
- Exhibit C: Tetra Tech Rate Schedule
- Exhibit D: Federal Provisions (2CFR200)
- Exhibit E: State Verification Forms

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

EXHIBIT A

City of Angleton, TX RFP # 2025 – 02
For Disaster Debris Monitoring Services

EXHIBIT B

Tetra Tech Technical Approach

EXHIBIT C

Tetra Tech Rate Schedule

EXHIBIT D
FEDERAL PROVISIONS

FEMA CONTRACT PROVISIONS FOR NON-FEDERAL ENTITY UNDER FEDERAL AW ARDS REQUIRED BY 2 C.F.R. §200.326 APPENDIX II TO 2 CFR §200

REMEDIES

(For all awarded contracts with a value greater than $150,000.00)

Any violation or breach of terms of this contract on the part of the Contractor or the Contractor's subcontractors may result in the suspension or termination of this contract or such other action that may be necessary to enforce the rights of the parties of this contract. The duties and obligations imposed by the contract documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. Any violation or breach of terms of this contract of the Contractor or the Contractor's sub-contractors will be subject to the remedies, including liquidated damages, described in the bid specifications or Request for Proposal and the Client rules and regulations and special conditions which are incorporated herein by reference in their entirety.

TERMINATION FOR CAUSE AND CONVENIENCE

(For all awarded contracts with a value greater than $10,000.00)

The Client reserves the right to terminate this contract for cause or convenience pursuant to the rules and regulations and special conditions which are incorporated herein by reference in their entirety.

EQUAL EMPLOYMENT OPPORTUNITY

(For all awarded contracts that meet the definition of "federally assisted construction contract" provided in 41 CFR Part 60-1.3) ***Contractor must complete enclosed certification***

During the performance of this contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. 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. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
3. The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
5. The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
6. The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
7. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
8. The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT

(The Davis-Bacon Act only applies to the Emergency Management Preparedness Grant Program, Homeland Security Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security

Grant Program, and Transit Security Grant Program. It DOES NOT apply to other FEMA grant and cooperative agreement programs, including the Public Assistance Program.

1. *Minimum wages.*

i. All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 193 7 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage dete1mination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1 (b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(l)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in §5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided,* that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(l)(ii) of this section) and the Davis Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

ii. (A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination, and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
2) The classification is utilized in the area by the construction industry; and
3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C)In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized

representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(l)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

i. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

ii. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. *Withholding.*

The Federal Agency and/or Client shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work (or under the United States Housing Act of 193 7 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. *Payrolls and basic records.*

i. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section l (b) (2) (B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(l)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section l(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

ii. (A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the federal agency if the agency is a party to the contract, but if the agency

is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the federal agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee *(e.g.,* the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at *http://www.dol.gov/esa/whd(forms/wh347instr.htm* or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the federal agency if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the federal agency, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

1) That the payroll for the payroll period contains the information required to be provided under §5.5 (a) (3) (ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a) (3) (i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

i. The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the federal agency or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. *Apprentices and trainees-*

i. *Apprentices.* Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractors registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

ii. *Trainees.* Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

iii. *Equal employment opportunity.* The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order

11246, as amended, and 29 CFR part 30.

5. *Compliance with Copeland Act requirements.*

   The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. *Subcontracts.*

   The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a) (l) through (10) and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. *Contract termination: debarment.*

   A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. *Compliance with Davis-Bacon and Related Act requirements.*

   All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. *Breach.*

   A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

10. *Disputes concerning labor standards.*

    Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

11. *Certification of eligibility.*

    1) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis Bacon Act or 29 CFR 5.12(a)(l).

    2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(l).

    3) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

(For all awarded contracts related to "mechanics and laborers" with a value greater than $100,000.00)

1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to

each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of $27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

3) Withholding for unpaid wages and liquidated damages. The (write in the name of the Federal agency or the loan or grant recipient) shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT

(This requirement **does not apply** to the Public Assistance, Hazard Mitigation Grant Program, Fire Management Assistance Grant Program, Crisis Counseling Assistance and Training Grant Program, Disaster Case Management Grant Program, and Federal Assistance to Individuals and Households - Other Needs Assistance Grant Program, as FEMA awards under these programs do not meet the definition of "funding agreement." If FEMA federal award meets definition of "funding agreement" under 37 CFR §401.2(a), for all awarded contracts related to experimental, developmental, or research work type contracts)

(a) Definitions

(1) *Invention* means any invention or discovery which is or may be patentable or otherwise protectable under Title 35 of the United States Code, or any novel variety of *et seq.).*

(2) *Subject invention* means any invention of the *contractor* conceived or first actually reduced to practice in the performance of work under this *contract,* provided that in the case of a variety of plant, the date of determination (as defined in section 41(d) of the Plant Variety Protection Act, 7 U.S.C. 240l (d)) must also occur during the period of *contract* performance.

(3) *Practical Application* means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to operate in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are, to the extent permitted by law or government regulations, available to the public on reasonable terms.

(4) *Made* when used in relation to any invention means the conception or first actual reduction to practice of such invention.

(5) *Small Business Firm* means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of this clause, the size standards for small business concerns involved in government procurement and subcontracting at 13 CFR 121.3-8 and 13 CFR 121.3- 12, respectively, will be used.

(6) *Nonprofit Organization* means a university or other institution of higher education or an organization of the type described in section 501 (c) {3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c) and exempt from taxation under section 501(a) of the Internal Revenue Code (25

U.S.C. 501(a)) or any nonprofit scientific or educational organization qualified under a state nonprofit organization statute.

(b) Allocation of Principal Rights

The *Contractor* may retain the entire right, title, and interest throughout the world to each subject invention subject to the provisions of this clause and 35 U.S.C. 203. With respect to any subject invention in which the *Contractor* retains title, the Federal government shall have a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world.

(c) Invention Disclosure, Election of Title and Filing of Patent Application by *Contractor*

(1) The *contractor* will disclose each subject invention to the *Federal Agency* within two months after the inventor discloses it in writing to *contractor* personnel responsible for patent matters. The disclosure to the agency shall be in the form of a written report and shall identify the *contract* under which the invention was made and the inventor(s). It shall be sufficiently complete in technical detail to convey a clear understanding to the extent known at the time of the disclosure, of the nature, purpose, operation, and the physical, chemical, biological or electrical characteristics of the invention. The disclosure shall also identify any publication, on sale or public use of the invention and whether a manuscript describing the invention has been submitted for publication and, if so, whether it has been accepted for publication at the time of disclosure. In addition, after disclosure to the *agency,* the *Contractor* will promptly notify the *agency* of the acceptance of any manuscript describing the invention for publication or of any on sale or public use planned by the *contractor.*

(2) The *Contractor* will elect in writing whether or not to retain title to any such invention by notifying the *Federal agency* within two years of disclosure to the *Federal agency.* However, in any case where publication, on sale or public use has initiated the one-year statutory period wherein valid patent protection can still be obtained in the United States, the period for election of title may be shortened by the *agency* to a date that is no more than 60 days prior to the end of the statutory period.

(3) The *contractor* will file its initial patent application on a subject invention to which it elects to retain title within one year after election of title or, if earlier, prior to the end of any statutory period wherein valid patent protection can be obtained in the United States after a publication, on sale, or public use. The *contractor* will file patent applications in additional countries or international patent offices within either ten months of the corresponding initial patent application or six months from the date permission is granted by the Commissioner of Patents and Trademarks to file foreign patent applications where such filing has been prohibited by a Secrecy Order.

(4) Requests for extension of the time for disclosure, election, and filing under subparagraphs (1), (2), and (3) may, at the discretion of the *agency,* be granted.

(d) Conditions When the Government May Obtain Title

The *contractor* will convey to the *Federal agency,* upon written request, title to any subject invention-

(1) If the *contractor* fails to disclose or elect title to the subject invention within the times specified in (c), above, or elects not to retain title; provided that the *agency* may only request title within 60 days after learning of the failure of the *contractor* to disclose or elect within the specified times.

(2) In those countries in which the *contractor* fails to file patent applications within the times specified in (c) above; provided, however, that if the *contractor* has filed a patent application in a country after the times specified in (c) above, but prior to its receipt of the written request of the *Federal agency,* the *contractor* shall continue to retain title in that country.

(3) In any country in which the *contractor* decides not to continue the prosecution of any application for, to pay the maintenance fees on, or defend in reexamination or opposition proceeding on, a patent on a subject invention.

(e) Minimum Rights to *Contractor* and Protection of the *Contractor* Right to File

(1) The *contractor* will retain a nonexclusive royalty-free license throughout the world in each subject invention to which the Government obtains title, except if the *contractor* fails to disclose the invention within the times specified in (c), above. The *contractor's* license extends to its domestic subsidiary and affiliates, if any, within the corporate structure of which the *contractor* is a party and includes the right to grant sublicenses of the same scope to the extent the *contractor* was legally obligated to do so at the time the *contract* was awarded. The license is transferable only with the approval of the *Federal* to which the invention pertains.

(2) The *contractor's* domestic license may be revoked or modified by the *funding Federal agency* to the extent necessary to achieve expeditious practical application of the subject invention pursuant to an application for an exclusive license submitted in accordance with applicable provisions at 37 CFR part 404 and *agency* licensing regulations (if any). This license will not be revoked in that field of use or the geographical areas in which the *contractor* has achieved practical application and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of the *funding Federal agency* to the extent the *contractor,* its licensees, or the domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country.

(3) Before revocation or modification of the license, the *funding Federal agency* will furnish the *contractor* a written notice of its intention to revoke or modify the license, and the *contractor* will be allowed thirty days (or such other time as may be authorized by the *funding Federal agency* for good cause shown by the *contractor)* after the notice to show cause why the license should not be revoked or modified. The *contractor* has the right to appeal, in accordance with applicable regulations in 37 CFR part 404 and *agency* regulations (if any) concerning the licensing of Government-owned inventions, any decision concerning the revocation or modification of the license.

(f) *Contractor* Action to Protect the Government's Interest

(1) The *contractor* agrees to execute or to have executed and promptly deliver to the *Federal agency* all instruments necessary to

(i) establish or confirm the rights the Government has throughout the world in those subject inventions to which the *contractor* elects to retain title, and

(ii) convey title to the *Federal agency* when requested under paragraph (d) above and to enable the government to obtain patent protection throughout the world in that subject invention.

(2) The *contractor* agrees to require, by written agreement, its employees, other than clerical and nontechnical employees, to disclose promptly in writing to personnel identified as responsible for the administration of patent matters and in a format suggested by the *contractor* each subject invention made under *contract* in order that the *contractor* can comply with the disclosure provisions of paragraph (c), above, and to execute all papers necessary to file patent applications on subject inventions and to establish the government's rights in the subject inventions. This disclosure format should require, as a minimum, the information required by (c) (l), above. The *contractor* shall instruct such employees through employee agreements or other suitable educational programs on the importance of reporting inventions in sufficient time to permit the filing of patent applications prior to U.S. or foreign statutory bars.

(3) The *contractor* will notify the *Federal agency* of any decisions not to continue the prosecution of a patent application, pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration of the response period required by the relevant patent office.

(4) The *contractor* agrees to include, within the specification of any United States patent applications and any patent issuing thereon covering a subject invention, the following statement, "This invention was made with government support under (identify the *contract)* awarded by (identify the Federal agency). The government has certain rights in the invention."

(g) Subcontracts

(1) The *contractor* will include this clause, suitably modified to identify the parties, in all subcontracts, regardless of tier, for experimental, developmental or research work. The subcontractor will retain all rights provided for the *contractor* in this clause, and the *contractor* will not, as part of the consideration for awarding the subcontract, obtain rights in the subcontractor's subject inventions.

(2) In the case of subcontracts, at any tier, when the prime award with the Federal agency was a contract (but not a grant or cooperative agreement), the *agency,* subcontractor, and the contractor agree that the mutual obligations of the parties created by this clause constitute a contract between the subcontractor and the Federal agency with respect to the matters covered by the clause; provided, however, that nothing in this paragraph is intended to confer any jurisdiction under the Contract Disputes Act in connection with proceedings under paragraph (i) of this clause.

(h) Reporting on Utilization of Subject Inventions

The *Contractor* agrees to submit on request periodic reports no more frequently than annually on the utilization of a subject invention or on efforts at obtaining such utilization that are being made by the *contractor* or its licensees or assignees. Such reports shall include information regarding the status of development, date of first commercial sale or use, gross royalties received by the contractor, and such other data and information as the *agency* may reasonably specify. The *contractor* also agrees to provide additional reports as may be requested by the *agency* in connection with any march-in proceeding undertaken by the *agency* in accordance with paragraph (i) of this clause. As required by 35 U.S.C. 202(c) (5), the *agency* agrees it will not disclose such information to persons outside the government without permission of the *contractor.*

(i) Preference for United States Industry

Notwithstanding any other provision of this clause, the *contractor* agrees that neither it nor any assignee will grant to any person the exclusive right to use or sell any subject inventions in the United States unless such person agrees that any products embodying the subject invention or produced through the use of the subject invention will be manufactured substantially in the United States. However, in individual cases, the requirement for such an agreement may be waived by the *Federal agency* upon a showing by the *contractor* or its assignee that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible.

(j) March-in Rights

The *contractor* agrees that with respect to any subject invention in which it has acquired title, the *Federal agency* has the right in accordance with the procedures in 37 CFR 401.6 and any supplemental regulations of the *agency* to require the *contractor,* an assignee or exclusive licensee of a subject invention to grant a nonexclusive, partially exclusive, or exclusive license in any field of use to a responsible applicant or applicants, upon terms that are reasonable under the circumstances, and if the *contractor,* assignee, or exclusive licensee refuses such a request the *Federal agency* has the right to grant such a license itself if the *Federal agency* determines that:

(1) Such action is necessary because the *contractor* or assignee has not taken or is not expected to take within a reasonable time, effective steps to achieve practical application of the subject invention in such field of use.

(2) Such action is necessary to alleviate health or safety needs which are not reasonably satisfied by the *contractor,* assignee or their licensees;

(3) Such action is necessary to meet requirements for public use specified by Federal regulations and such requirements are not reasonably satisfied by the *contractor,* assignee or licensees; or

(4) Such action is necessary because the agreement required by paragraph (i) of this clause has not been obtained or waived or because a licensee of the exclusive right to use or sell any subject invention in the United States is in breach of such agreement.

(k) Special Provisions for *Contracts* with Nonprofit Organizations If the *contractor* is a nonprofit organization, it agrees that:

(1) Rights to a subject invention in the United States may not be assigned without the approval of the *Federal agency,* except where such assignment is made to an organization which has as one of its primary functions the management of inventions, provided that such assignee will be subject to the same provisions as the *contractor;*

(2) The *contractor* will share royalties collected on a subject invention with the inventor, including Federal employee co-inventors (when the agency deems it appropriate) when the subject invention is assigned in accordance with 35 U.S.C. 202(e) and 37 CFR 401.10;

(3) The balance of any royalties or income earned by the *contractor* with respect to subject inventions, after payment of expenses (including payments to inventors) incidental to the administration of subject inventions, will be utilized for the support of scientific research or education; and

(4) It will make efforts that are reasonable under the circumstances to attract licensees of subject invention that are small business firms and that it will give a preference to a small business firm when licensing a subject invention if the *contractor* determines that the small business firm has a plan or proposal for marketing the invention which, if executed, is equally as likely to bring the invention to practical application as any plans or proposals from applicants that are not small business firms; provided, that the *contractor* is also satisfied that the small business firm has the capability and resources to carry out its plan or proposal. The decision whether to give a preference in any specific case will be at the discretion of the *contractor.* However, the *contractor* agrees that the Secretary applicants, and the *contractor* will negotiate changes to its licensing policies, procedures, or practices with the Secretary when the Secretary's review discloses that the *contractor* could take reasonable steps to implement more effectively the requirements of this paragraph (k)(4).

(l) Communication

Any communications to be given hereunder by either party to the other shall be deemed to be duly given if set forth in writing and personally delivered or sent by mail, registered or certified, postage prepaid with return receipt requested, as follows:

CONTRACTOR	CLIENT
Tetra Tech, Inc.	City of Angleton, Texas
2301 Lucien Way, Suite 120	121 S. Velasco Street
Maitland, FL 32751	Angleton, TX 77515

Written notices hereunder delivered personally shall be deemed communicated as of actual receipt; mailed notices shall be deemed communicated five (5) days after deposit in the mail, post prepaid, certified, in accordance with this Paragraph.

CLEAN AIR ACT

(For all awarded contracts with a value greater than $150,000.00)

(m) The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.

(n) The contractor agrees to report each violation to the (name of applicant entering into the contract) and understands and agrees that the (name of the applicant entering into the contract) will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(o) The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

FEDERAL WATER POLLUTION CONTROL ACT

(For all awarded contracts with a value greater than $150,000.00)

(1) The contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 etseq.

(2) The contractor agrees to report each violation to the (name of the applicant entering into the contract) and understands and agrees that the (name of the applicant entering into the contract) will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

(3) The contractor agrees to include these requirements in each subcontract exceeding $150,000 financed in whole or in part with Federal assistance provided by FEMA.

DEBARMENT AND SUSPENSION

Contractor must complete enclosed certification

(1) This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the contractor is required to verify that none of the contractor's principals (defined at 2 C.F.R. § 180.995) or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

(2) The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.

(3) This certification is a material representation of fact relied upon by Client. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to (insert name of recipient/subrecipient/applicant), the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

(4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

BYRD ANTI-LOBBYING AMENDMENT

(For all awarded contracts with a value greater than $100,000.00. ***Contractor must complete enclosed certification***

Byrd Anti-Lobbying Amendment, 31 U.S.C. § 1352 (as amended) Contractors who apply or bid for an award of $100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

The Contractor certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the contractor shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with

its instructions.

(3) Contractor will include language of this certification in all subcontract awards at any tier and require that all recipients of subcontract awards in excess of $150,000.00 shall certify and disclose accordingly.

PROCUREMENT OF RECOVERED MATERIALS

(The requirements of Section 6002 include procuring only items designated in guidelines of the EPA at 40

C.F.R. Part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds $10,000 or the value of the quantity acquired by the preceding fiscal year exceeded $10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.)

(1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA designated items unless the product cannot be acquired:

a) Competitively within a timeframe providing for compliance with the contract performance schedule;

b) Meeting contract performance requirements; or

c) At a reasonable price.

(2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, http://www.epa.gov/cpg/. The list of EPA-designate items is available at http://www.epa.gov/cpg/products.htm.

(3) The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act."

ACCESS TO RECORDS

The following access to records requirements apply to this contract:

(1) The Contractor agrees to provide the Client, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.

(2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

(3) The Contractor agrees to provide the FEMA Administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

(4) In compliance with the Disaster Recovery Act of 2018, the Client and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

CHANGES

To be eligible for FEMA assistance under the non-Federal entity's FEMA grant or cooperative agreement, the cost of the change, modification, change order, or constructive change must be allowable, allocable, within the scope of its grant or cooperative agreement, and reasonable for the completion of project scope.

FEMA recommends, therefore, that a non-Federal entity include a changes clause in its contract that describes how, if at all, changes can be made by either party to alter the method, price, or schedule of the work without breaching the contract. The language of the clause may differ depending on the nature of the contract and the end-item procured.

DHS SEAL, LOGO, AND FLAGS

The contractor shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS

This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion of the contract. The contractor will comply with all applicable Federal law, regulations, executive orders, FEMA policies, procedures, and directives.

NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.

PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Contractor's actions pertaining to this contract.

PROHIBITION ON CONTRACTING FOR COVERED TELECOMMUNICATIONS EQUIPMENT OR SERVICES

2 C.F.R. § 200.216, as implemented by FEMA Policy 405-143-1, prohibits the Contractor from using equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

DOMESTIC PREFERENCES FOR PROCUREMENTS

As appropriate and to the extent consistent with law, the Contractor agrees, to the greatest extent practicable, prefer the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products).

AFFIRMATIVE SOCIOECONOMIC STEPS

If subcontracts are to be let, the prime contractor is required to take all necessary steps identified in 2 C.F.R. § 200.321(b)(1)-(5) to ensure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

COPYRIGHT AND DATA RIGHTS

"License and Delivery of Works Subject to Copyright and Data Rights"

The Contractor grants to the Client a paid-up, royalty-free, nonexclusive, irrevocable, worldwide license in data first produced in the performance of this contract to reproduce, publish, or otherwise use, including prepare derivative works, distribute copies to the public, and perform publicly and display publicly such data. For data required by the contract but not first produced in the performance of this contract, the Contractor will identify such data and grant to the Client or acquires on its behalf a license of the same scope as for data first produced in the performance of this contract. Data, as used herein, shall include any work subject to copyright under 17 U.S.C. § 102, for example, any written reports or literary works, software and/or source code, music, choreography, pictures or images, graphics, sculptures, videos, motion pictures or other audiovisual works, sound and/or video recordings, and architectural works. Upon or before the completion of this contract, the Contractor will deliver to the Client data first produced in the performance of this contract and data required by the contract but not first produced in the performance of this contract in formats acceptable by the Client."

BUILD AMERICA, BUY AMERICA ACT

Contractors and their subcontractors who apply or bid for an award for an infrastructure project subject to the domestic preference requirement in the Build America, Buy America Act ("BABAA") shall file the required certification to the non-federal entity with each bid or offer for an infrastructure project, unless a domestic preference requirement is waived by FEMA. Contractors and subcontractors certify that no federal financial assistance funding for infrastructure projects will be provided unless all the iron, steel, manufactured projects, and construction materials used in the project are produced in the United States. BABAA, Pub. L. No. 117-58, §§ 70901-52. Contractors and subcontractors shall also disclose any use of federal financial assistance for infrastructure

projects that does not ensure compliance with BABAA domestic preference requirement. Such disclosures shall be forwarded to the recipient who, in turn, will forward the disclosures to FEMA, the federal awarding agency; subrecipients will forward disclosures to the pass-through entity, who will, in turn, forward the disclosures to FEMA.

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

BYRD ANTI-LOBBYING CERTIFICATION

Certification for Contracts, Grants, Loans, and Cooperative Agreements-The undersigned certifies, to the best of his or her knowledge and belief, that:

1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor, Tetra Tech, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C.Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Jonathan Burgiel, Business Unit President
Name and Title of Contractor's Authorized Official

October 16, 2025
Date

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

DEBARMENT/SUSPENSION CERTIFICATION

Non-Federal entities and contractors are subject to the debarment and suspension regulations implementing Executive Order 12549, Debarment and Suspension (1986) and Executive Order 12689, Debarment and Suspension (1989) at 2 C.F.R. Part 180 and the Department of Homeland Security's regulations at 2 C.F.R. Part 3000 (No procurement Debarment and Suspension).

This requirement applies to all FEMA grant and cooperative agreement programs.

Federal Executive Order (E .O.) 12549 "Debarment" requires that all contractors receiving individual awards, using federal funds, and all sub recipients certify that the organization and its principals are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency from doing business with the Federal Government. By signing this document, you certify that your organization and its principals are not debarred. Failure to comply or attempts to edit this language may disqualify your bid. Information on debarment is available at the following websites: www.sam.gov and https://acguisition.gov/far/index.html see section 52.209-6.

The Contractor, Tetra Tech, Inc., certifies or affirms by your signature that neither you nor your principal is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Signature of Contractor's Authorized Official

Jonathan Burgiel, Business Unit President
Name and Title of Contractor's Authorized Official

October 16, 2025
Date

CIVIL RIGHTS COMPLIANCE PROVISIONS

1. EQUAL EMPLOYMENT OPPORTUNITY (Equal Opportunity Clause)
(For all awarded contracts that meet the definition of "federally assisted construction contract" provided in 41 CFR Part 60-1.3)

During the performance of this contract, the contractor agrees as follows:

1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. 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. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or order this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by

rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

Signature of Contractor's Authorized Official

Jonathan Burgiel, Business Unit President

Name and Title of Contractor's Authorized Official

October 16, 2025

Date

MASTER SERVICES AGREEMENT
FOR PROFESSIONAL CONSULTING SERVICES

BUILD AMERICA BUY AMERICA ACT SELF-CERTIFICATION

The undersigned certifies, to the best of their knowledge and belief, that: The Build America, Buy America Act (BABAA) requires that no federal financial assistance for "infrastructure" projects is provided "unless all of the iron, steel, manufactured products, and construction materials used in the project are produced in the United States." section 70914 of Public Law No. 117-58, §§ 70901-52. The undersigned certifies that the iron, steel, manufactured products, and construction materials used in this contract are in full compliance with the BABAA requirements including:

1. All iron and steel used in the project are produced in the United States. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.
2. All manufactured products purchased with FEMA financial assistance must be produced in the United States. For a manufactured product to be considered produced in the United States, the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55% of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.
3. All construction materials are manufactured in the United States. This means that all manufacturing processes for the construction material occurred in the United States.

The Contractor, Tetra Tech, Inc., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chap. 38, Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Jonathan Burgiel, Business Unit President
Name and Title of Contractor's Authorized Official

October 16, 2025
Date

THE HEART OF BRAZORIA COUNTY ANGLETON

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28th, 2025

PREPARED BY: Hector Renteria

AGENDA CONTENT: Overlays – FY 25-26 Projects

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: $300,000 **FUNDS REQUESTED:** N/A

FUND: General Fund (01)

EXECUTIVE SUMMARY: Annually the City of Angleton enters an interlocal with Brazoria County for road maintenance. This is the project selection portion of the interlocal agreement. The county engineer can provide any updates to the overlay process, and current construction.

RECOMMENDATION: Staff is looking for guidance on the selection of roadways to be repaired.

FY 26 Project Summary

Example A: A total of approximately 1.01 miles.

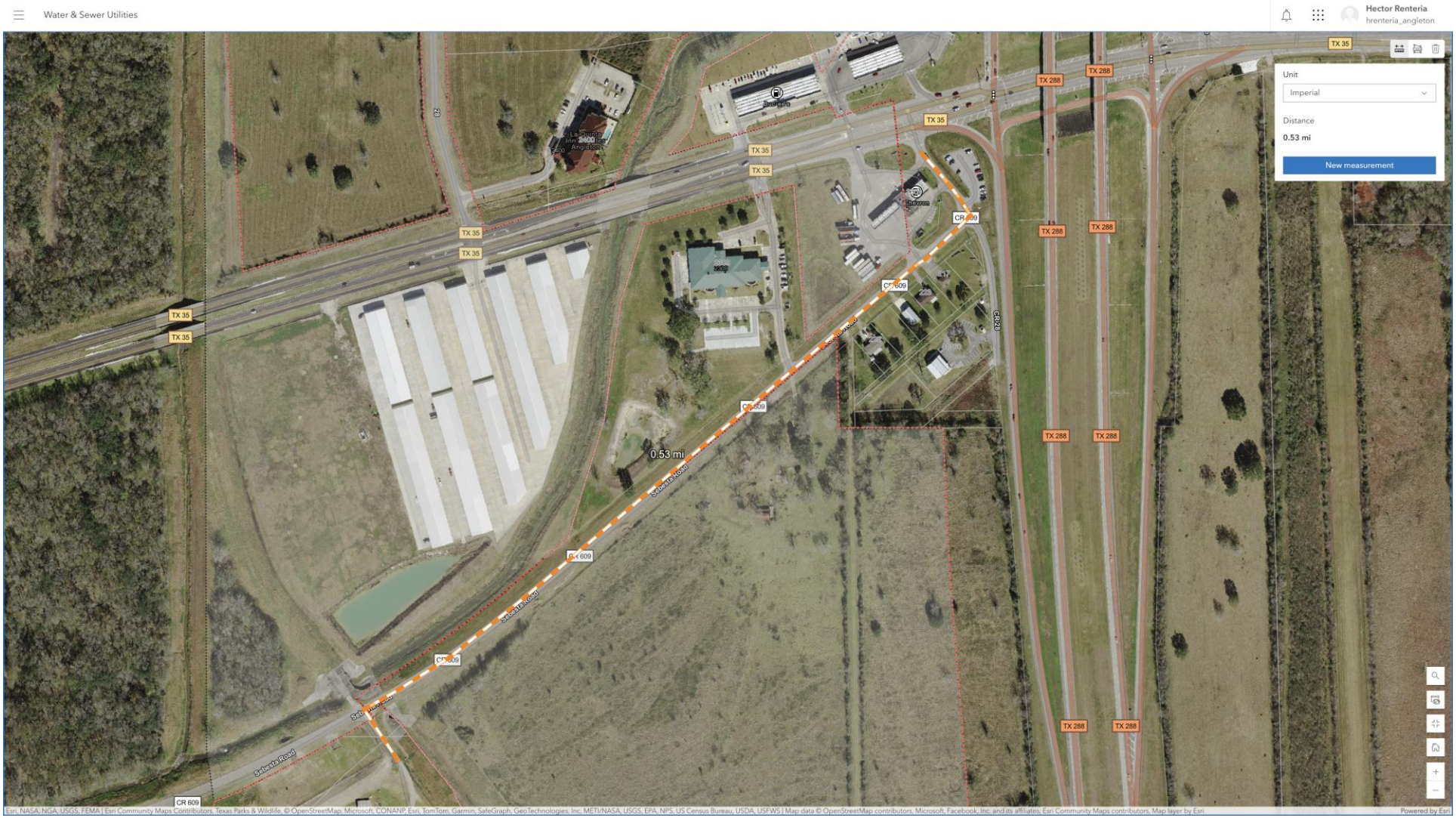
- **Gifford Road – Cemetery Road – County Line**
  This road is rated as 6 in our 2023 Pavement Condition Assessment. It is rated as moderate traffic. There were 8 work orders for various repairs to this road since 2023.

- **Gifford Lane – Gifford Road – South Downing**
  This road is rated as 4 in our 2023 Street Condition Assessment. It is rated as low traffic. There have been 5 work orders for repair of this road since 2023.

Example B: The length of these will be 1.07 miles including Sebesta Road. If Sebesta Road is excluded, then adding Cedar Street, it will be a total length of [illegible] miles.

- **Western Avenue – West Mulberry – W of Heritage Oaks**
  Western Avenue is rated as a 3 in the 2023 Street Condition Assessment. It is rated as moderate traffic. There have been 17 work orders entered into our system since 2021. These are for pothole patching and several requests for the entire road to be repaired.

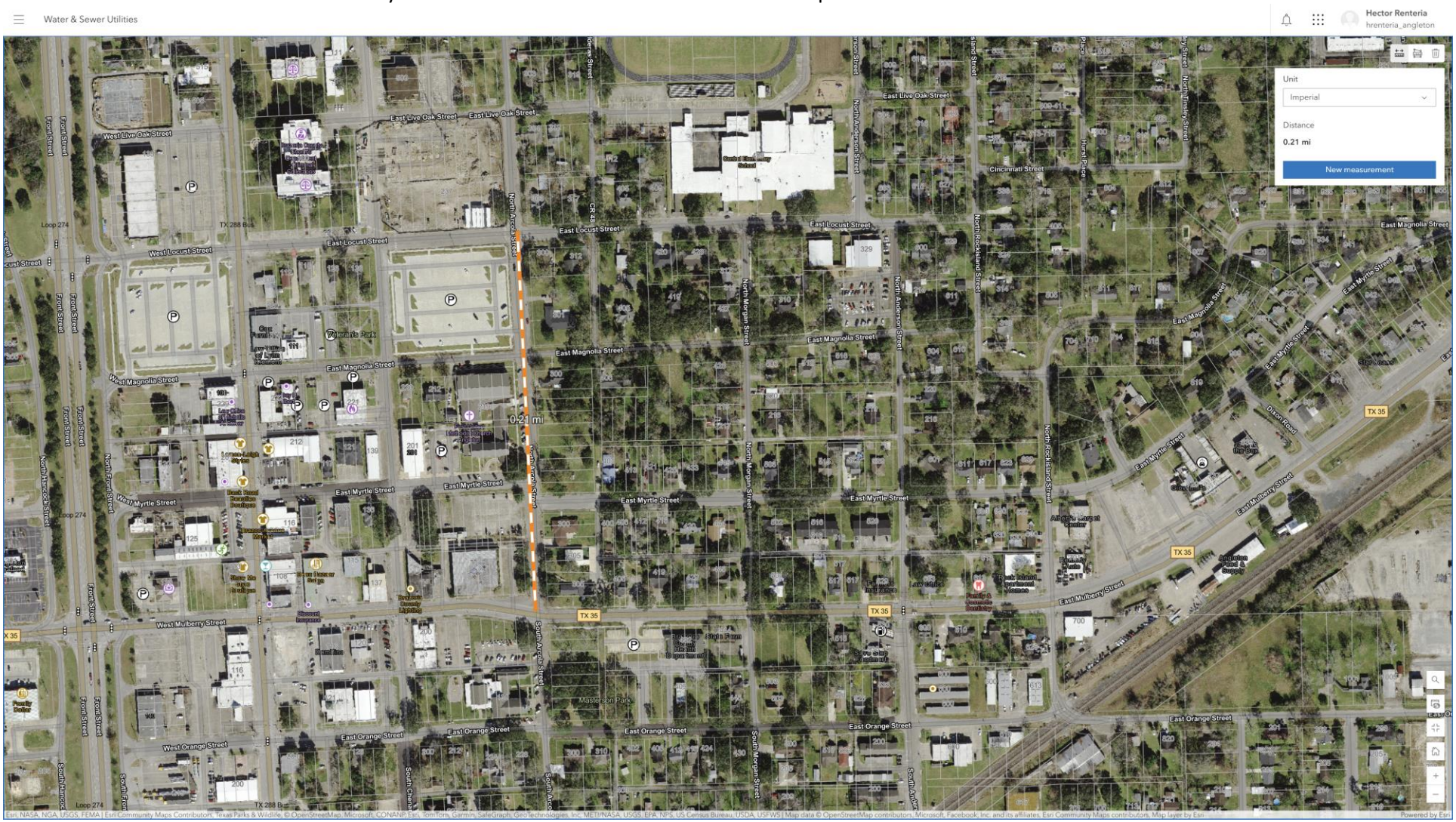
- **Sebesta Road –**
  This road has been rated as 4 in our 2023 Street Condition Assessment. There has been one work order in 2025 for pothole repairs. It is also rated as a low level of traffic. This is the road to our wastewater treatment facility.



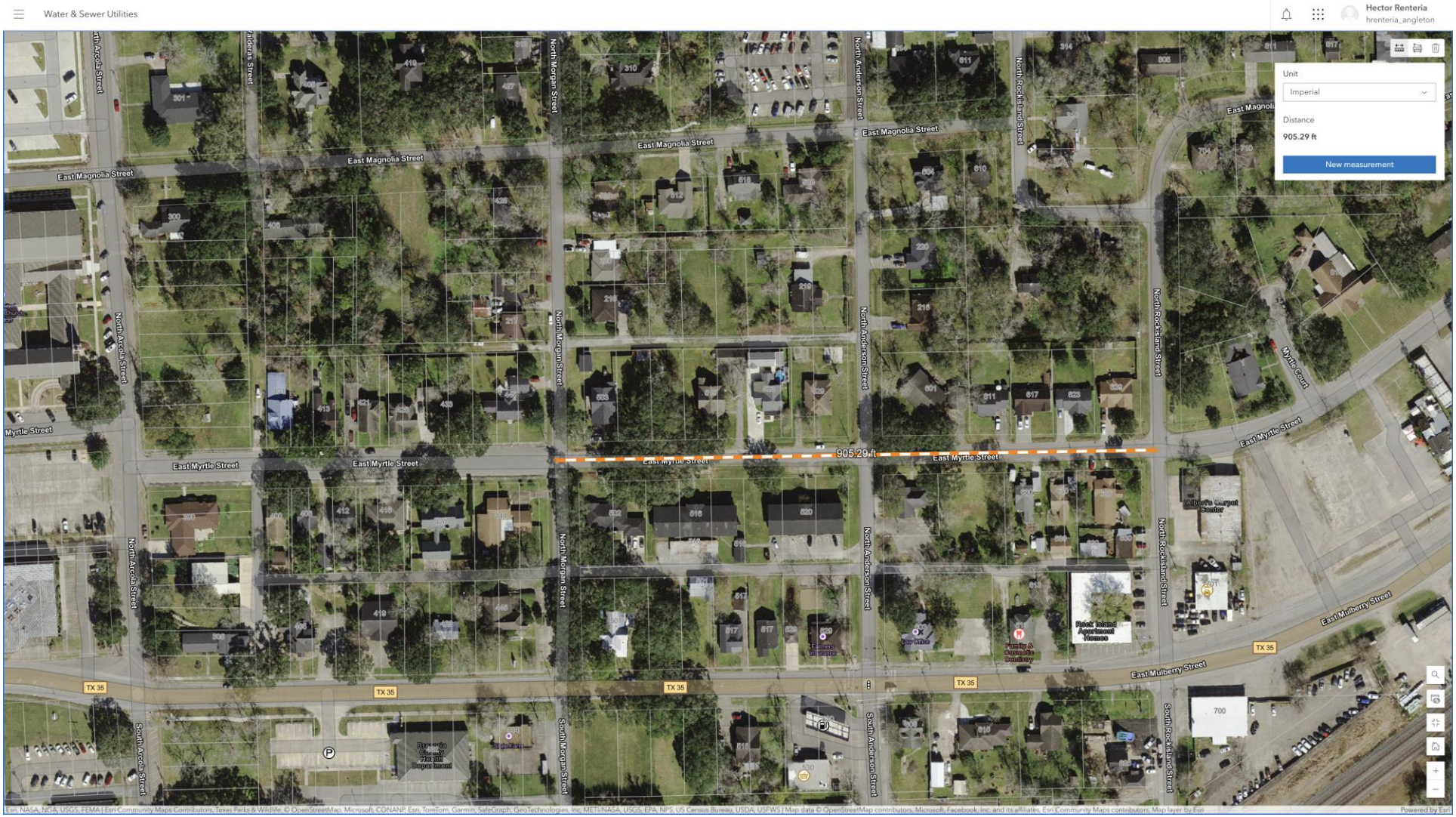
- **Cedar Street – Dead End – N Parrish**
  This small stretch of roadway is in poor condition, rated at a 2 in our 2023 Street Condition Assessment. It is rated as low traffic loads. There have been 2 work orders entered in for road repairs to this section since 2023.

Example C: These roads total to 0.81 miles.

- **N Arcola – Locust – HWY 35**
  This section of Arcola is rated as 4 in our 2023 Pavement Condition Assessment. It is rated as moderate traffic loads. The county will be repaving from Locust to E Live Oak this year. We have 3 work orders for various road repairs since 2023.



- **Myrtle – N Rock Island – Morgan**
  This portion of roadway is rated as 3 in our 2023 Street Condition Assessment. It is rated as low traffic. There are 3 work orders for various road repairs on this section of roadway.



- **Magnolia – N Rock Island – HWY 35**
  This roadway is rated a 4 in our 2023 Street Condition Assessment. It is rated as low traffic. There were not any work orders for this section in the system.

Example D: This example is approximately 0.79 miles.

- **Henderson Road – Easement in front of apartment – HWY 35**
  This road is rated as 4 in our 2023 Street Condition Assessment. It is rated as moderate traffic level. There are 9 work orders in our system for various repairs.

Example E: This example is 0.66 miles in length.

- Patten Road – W Phillips – UPRR yard
  This roadway is rated as 2 in our 2023 Street Condition Assessment. It is rated at low traffic rates. There are no work orders in the system for this road.

AGENDA ITEM SUMMARY FORM

MEETING DATE: 10/28/2025

PREPARED BY: Jason O'Mara, Director of Parks & Recreation

AGENDA CONTENT: Update and discussion on Abigail Arias Park Project.

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: $2,750,000.00 **FUNDS REQUESTED:** $0

FUND: 040-506-625.10

EXECUTIVE SUMMARY:

Staff continue to advance the Abigail Arias Park project on schedule through the Construction Documents (CD) phase. Burditt delivered the 60% Construction Documents on October 14, 2025; staff completed and returned consolidated comments on October 21, 2025. Next milestones are 90% Construction Documents in early November.

The current Preliminary Opinion of Probable Cost based on the 60% CD's, estimates a base construction total of approximately $2,802,531, reflecting Phase 1 scope that includes: family restroom/pavilion, loop trail and sidewalks, parking and drives, site/parking lighting, playground, splash pad, poured-in-place surfacing, artificial-turf berm, site furnishings, dumpster enclosure, monument sign, and softscape/irrigation (with trees anticipated via donation). Staff are coordinating Abigail's Reach on a sponsorship campaign, and with vendors to maximize purchasing power and preserve Phase 1 scope within the budget.

Budget Breakdown:

- **Original Budget (ABLC & TPWD Grant):** $2,750,000
- **Current Allocations:**
  - $198,000 – Design, construction documents, bidding, and construction administration (Burditt Land | Place)
  - $5,102– Topographic Survey (Baker & Lawson)
  - $7,410 – Archeological survey (Horizon Environmental Services)
  - $13,350 – Geotechnical Services (Terracon) – funded by Parkland Dedication
- **Estimated Remaining Budget:** $2,539,488

Upcoming Schedule Milestones

- 90% CDs due: November 11, 2025
- 100% CDs / Permit Set: December 9, 2025
- Advertise for Bids: Early January 2026
- Receive Bids / Recommendation: Late January–early February 2026
- Contract Approval: February

Staff from Burditt Land | Place are present this evening and available to address any questions related to project scope, design intent, or schedule.

RECOMMENDATION:

Staff recommends City Council discuss project status, cost estimates, and schedule for the Abigail Arias Park Project.

ABIGAIL ARIAS PARK
PRELIMINARY 3D RENDERINGS

BURDITT Land | Place
ARCHITECTURE • LANDSCAPE ARCHITECTURE • PLANNING
310 Longmire Road
Conroe, Texas 77304
H: 281.447.2111
C: 936.756.3041
www.Burditt.com
@burdittlandplace
@burdittlandplace

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ABIGAIL ARIAS PARK
PRELIMINARY 3D RENDERINGS

THE HEART OF BRAZORIA C
ANGLETON

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Land Place

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ABIGAIL ARIAS PARK
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THE HEART OF BRAZORIA C ANGLETON

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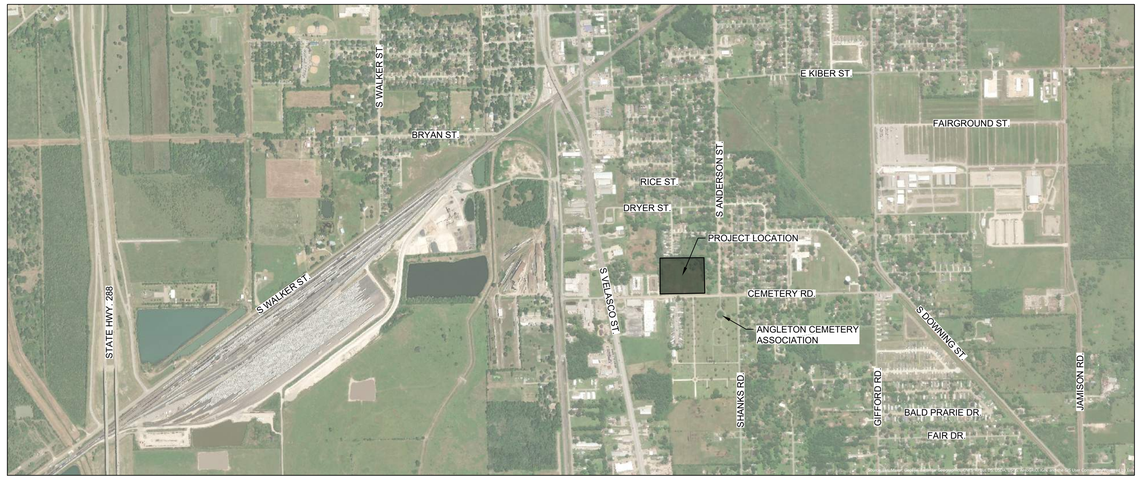
PROJECT LOCATION



GENERAL NOTES

1. THE CONTRACTOR SHALL VIEW ALL DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. AND INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS AND OBTAIN CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.

2. EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE ASSUMED BY THE LANDSCAPE ARCHITECT BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DEVIATION OR CONFLICTS.

3. THESE DRAWINGS SHALL NOT BE SCALED. DRAWINGS HAVE BEEN DIMENSIONED IN ORDER TO ESTABLISH THE CONTROL AND GUIDELINES FOR FIELD LAYOUT. THE CONTRACTOR IS TO REFER TO THE DIMENSIONS INDICATED OR THE ACTUAL SIZES OF CONSTRUCTION ITEMS. WHERE A DISCREPANCY EXISTS, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT.

4. DETAILS ARE KEYED WITH ASSOCIATED NOTES. THE DETAILS ARE TYPICAL FOR SIMILAR LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF ALL TYPICAL DETAILS AND INSTALL WORK ACCORDINGLY.

5. THE CONTRACTOR SHALL NOTIFY THE OWNER TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION AND SHALL COORDINATE NECESSARY INSPECTIONS THROUGHOUT FINAL APPROVAL AND OCCUPANCY.

6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES.

7. ANY DAMAGE TO EXISTING FACILITIES, ELEMENTS, FEATURES, AND IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

9. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.

10. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION, DOMESTIC ANIMALS, AND CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.

11. CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE OWNER.

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, OIL, CABLE TV, DATA, AND TELEPHONE FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.

13. VERIFY IN FIELD (V.I.F.): IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY PORTIONS OF THE WORK PRIOR TO COMPLETION OF SUBMITTALS FOR FUTURE PORTIONS OF THE WORK. FAILURE TO FIELD VERIFY DIMENSIONS RESULTING IN NON-CONFORMING WORK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIPLINE OF CANOPY.

15. THE CONTRACT DOCUMENTS ARE COMPREHENSIVE AS A WHOLE AND THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS IN DRAWINGS, SPECIFICATIONS, REGULATORY REQUIREMENTS, AND ADDENDA.

16. CORRELATION AND INTENT OF CONTRACT DOCUMENTS:

17. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.

18. IF A CONFLICT, ERROR, OMISSION, OR LACK OF DETAILED DESCRIPTION IS DISCOVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND REQUEST CLARIFICATION. THE ARCHITECT WILL RESOLVE THE CONFLICT AND MAKE ANY CORRECTIONS OR INTERPRETATIONS NECESSARY TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.

19. WHERE NOTES REFERENCE OTHER DISCIPLINES, SUCH AS: (RE:STRUCTURAL), (RE: CIVIL), (RE: LANDSCAPE),(RE: MEP), (RE: MECHANICAL), (RE: PLUMBING), (RE: ELECTRICAL), (RE: TECHNOLOGY), (RE: SECURITY), ETC., REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM NOTED. UPON FINDING A DISCREPENCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT IN ADVANCE TO AVOID COST OR TIME IMPACT.

811 Know what's below. Call before you dig.

48 HOUR NOTICE

CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES. CONTRACTOR(S) TO CONTACT THE PUBLIC REVIEW DEPARTMENT.

ABIGAIL ARIAS PARK

301 CEMETERY ROAD ANGLETON TEXAS, 77515

10/14/2025

INDEX OF DRAWINGS

SHEET NO.	SHEET NAME
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G1.01	TREE PRESERVATION PLAN
G1.21	TREE PRESERVATION DETAILS AND NOTES
02 - CIVIL	
C1.01	GRADING PLAN
C1.02	DRAINAGE AREA MAP
C1.03	UTILITY PLAN
03 - LANDSCAPE ARCHITECTURE	
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A1.00	CODE ANALYSIS & LIFE SAFETY PLAN
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SHEET NO.	SHEET NAME
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S1.01	FOUNDATION PLAN
S1.02	ROOF FRAMING PLAN
S2.10	GENERAL FRAMING SECTIONS
S3.00	TYPICAL FOUNDATION DETAILS
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P0.01	PLUMBING SYMBOL LEGEND
EP0.21	EP SITE PLAN
T0.01	TECHNOLOGY SYMBOL LEGEND

PROJECT TEAM

OWNER
CITY OF ANGLETON
JASON O'MARA
PHONE: (979) 849-4364
EMAIL: JOMARA@ANGLETON.TX.US

LANDSCAPE ARCHITECTURE
BURDITT CONSULTANTS
CLAUDIA WALKER, RLA, ASLA, CPSI
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EMAIL: CWALKER@BURDITT.COM
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CONROE, TX 77304

CIVIL ENGINEERING
MPCE, LLC
MICHELLE PATTON, ENGINEER, PE, CFM
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EMAIL: michelle.patton@mpce-tx.com
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SUITE 200 HOUSTON, TX 77070

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MARK F. GOULAS, AIA
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EMAIL: MGOULAS@BURDITT.COM
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CONROE, TX 77304

ELECTRICAL ENGINEERING
DBR Engineering Consultants, Inc.
BRENT MOE, PARTNER, PE
PHONE: (713) 914-0888
EMAIL: BMoe@dbrinc.com
ADDRESS: 9990 Richmond Avenue, South
Building, Suite 300 Houston, TX 77042

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Tel: 936.756.3041

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CONSTRUCTION DOCUMENT

SEAL:

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LANDSCAPE ARCHITECT No. 2987, ON 10/15/25
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

10/14/2025

CITY OF ANGLETON
ABIGAIL ARIAS PARK
PROJECT NO. 1514.003
301 CEMETERY ROAD ANGLETON TX, 77515

1 INCH
IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
01	50% DD	06/09/2025
02	90% DD	07/22/2025
03	100% DD	08/19/2025
04	60% CD	10/14/2025

COVER

CVR 89

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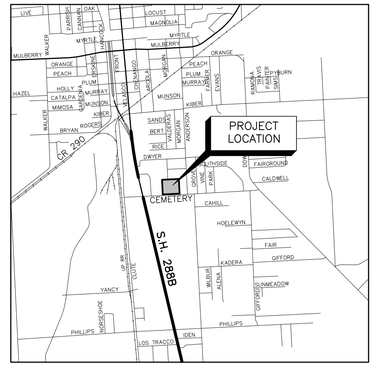
FILE PATH: Q:\SHARED DRIVES\CLIENTS_A-F\ANGLETON\ABIGAIL ARIAS PARK\7000 CONSTRUCTION DOCUMENTS\7030 DRAWINGS\CVR - COVER SHEET DWG | LAST SAVE DATE: 10/15/2025 4:19:11 PM | LAST SAVED BY: avalbuena

BRAZORIA COUNTY, TEXAS

I.T. TINSLEY SURVEY
ABSTRACT NO. 375



VICINITY MAP

LEGEND

O.P.R.B.C.T. = OFFICIAL PUBLIC RECORDS BRAZORIA COUNTY, TEXAS
D.R.B.C.T. = DEED RECORDS BRAZORIA COUNTY, TEXAS
P.R.B.C.T. = PLAT RECORDS BRAZORIA COUNTY, TEXAS
C.C.F.N. = COUNTY CLERK'S FILE NUMBER
VOL, PG. = VOLUME, PAGE
= FIRE HYDRANT
= GAS METER
= INLET A
= MAILBOX
= MANHOLE
= SIGN
= UTILITY BOX
= UTILITY PED
= WATER METER
= WATER VALVE
= TREE

SURVEYORS NOTES

1. THE TOPOGRAPHIC SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR REPORT WITH REGARD TO ANY RECORDED EASEMENTS, RIGHT-OF-WAYS, SETBACKS, RESTRICTIONS OR OTHER ENCUMBRANCES AFFECTING THE SURVEYED PROPERTY. NO ADDITIONAL RESEARCH WAS PERFORMED BY THE SURVEYOR, ANY OF THESE ITEMS MAY EXIST THAT ARE NOT SHOWN HEREON.
2. ALL BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, (NAD83) SOUTH CENTRAL ZONE, PER GPS OBSERVATIONS.
3. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP NO. 48039C0445K, REVISE DATE OF DECEMBER 30, 2020, THE SURVEYED PROPERTY LIES WITHIN ZONE "X", UNSHADED.
4. ELEVATIONS SHOWN HEREON ARE GPS DERIVED (NAVD88, US FOOT) BASED ON THE NGS CORS NETWORK AND ARE NOT TIED TO ANY PUBLISHED BENCHMARK.
5. UTILITIES SHOWN ARE BASED ON PHYSICAL ABOVE GROUND MARKERS (AS LOCATED BY 811 CALLS) AND IMPROVEMENTS. THE SURVEYOR WAS NOT PROVIDED ANY UNDERGROUND UTILITY MAPS AS TO THE LOCATION OF UNDERGROUND LINES.
6. THIS SURVEY IS FOR TOPOGRAPHIC PURPOSES ONLY. BOUNDARY SHOWN IS BASED ON RECORDED INFORMATION (RECORD DEED C.C.F.N. XXX) ONLY AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.

I, DARREL HEIDRICH, DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND, UNDER MY SUPERVISION AND SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYORS MANUAL OF PRACTICE REQUIREMENTS FOR A CATEGORY 6, CONDITION 3, TOPOGRAPHIC SURVEY.

DARREL HEIDRICH 6/13/2025
DARREL HEIDRICH
REGISTERED PROFESSIONAL LAND SURVEYOR
LAND SURVEYOR NO. 5378

STATE OF TEXAS
REGISTERED
DARREL HEIDRICH
5378
PROFESSIONAL
LAND SURVEYOR

TOPOGRAPHIC SURVEY

OF A CALLED 6.920 ACRE TRACT AS RECORDED IN C.C.F.N. 2022008094 O.P.R.B.C.T.

I.T. TINSLEY SURVEY
ABSTRACT NO. 375
BRAZORIA COUNTY, TEXAS

BAKER & LAWSON, INC.
ENGINEERS ▪ PLANNERS ▪ SURVEYORS

Baker & Lawson Inc.
4005 Technology Dr., Suite 1530
Angleton, TX 77515
Phone # 979-849-6681
www.bakerlawson.com
Licensed Surveying Firm No. 10052500

JOB NO.: 16265	SCALE: 1" = 100'	DRAWN BY: AD	CKED BY: AH
DRAWING NO.: 16266 TOPO		DATE: 6/13/25	REV. NO. 0

J:\16000S\16200\16266\ENGINEERING-SURVEY\SURVEY\DWGS\16266 TOPO.DWG PLOT DATE:6/13/2025 Dheidrich

C.C.F.N. 2006040769
O.P.R.B.C.T.

PROPERTY LINE (TYP.)

LIMITS OF WORK (TYP.)

TREE LINE

EXISTING TREE TO REMAIN (TYP.)
DO NOT DISTURB

EXISTING SWALE

CALLED 2.50
VOL. 950, F
D.R.B.C

.8687 ACRES
19990033O5
R.B.C.T.

CEMETERY RD.

TREE DISPOSITION LEGEND

SYMBOL	DESCRIPTION
⊗	EXISTING TREE TO BE REMOVED
○	EXISITNG TREE TO REMAIN
—x—	CHAINLINK TREE PROTECTION FENCE

TREE SPECIES	TREE CALIPER	
LIVE-OAK	24	
LIVE-OAK	7	
LIVE-OAK	6	
LIVE-OAK	6	
TALLOW	20	
TALLOW	6	
TALLOW	6	
TALLOW	6	
HACKBERRY	12	
TALLOW	17	
HACKBERRY	8	
TALLOW	7	
TALLOW	7	
TALLOW	9	
HACKBERRY	12	
LIVE-OAK	22	
TALLOW	18	
TALLOW	18	
TALLOW	15	
HACKBERRY	13	
HACKBERRY	13	
HACKBERRY	13	
TALLOW	24	
PECAN	30	
HACKBERRY	16	
TALLOW	28	
HACKBERRY	18	
HACKBERRY	12	
LIVE-OAK	30	
LIVE-OAK	30	
OAK	17	
OAK	15	
OAK	12	
PECAN	14	
PECAN	24	
OAK	13	
HACKBERRY	6	
OAK	8	
TALLOW	8	REMOVE
HACKBERRY	12	
TALLOW	8	REMOVE
TALLOW	9	REMOVE
TALLOW	11	REMOVE
PECAN	13	
PECAN	7	
TALLOW	9	REMOVE
HACKBERRY	15	
TALLOW	18	REMOVE
ELM	18	
HACKBERRY	7	
OAK	8	
OAK	8	
OAK	15	
OAK	6	
TALLOW	8	
HACKBERRY	9	
TALLOW	18	
TALLOW	6	
HACKBERRY	6	
HACKBERRY	6	
HACKBERRY	30	
ELM	7	
LIVE-OAK	17	
TOTAL CALIPER	841	
REMOVED CALIPER	63	

SCALE AND NORTH ARROW

0 30 ft 60 ft

SCALE: 1" = 30' - 0"

N

BURDITT Land | Place
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1 INCH

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DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
01	50% DD	06/09/2025
02	90% DD	07/22/2025
03	100% DD	08/19/2025
04	60% CD	10/14/2025

TREE PRESERVATION PLAN

G1.01

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FILE PATH: O:\SHARED DRIVES\CLIENTS_A-P\ANGLETON\ABIGAIL ARIAS PARK\7000 CONSTRUCTION DOCUMENTS\7030 DRAWINGS\DEMO - PLAN.DWG | LAST SAVE DATE: 10/15/2025 4:18:45 PM | LAST SAVED BY: arealbuena

BURDITT Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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ISSUANCE:

CONSTRUCTION DOCUMENT

SEAL:

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW, AGENCY APPROVAL, AND COMMENT
UNDER THE AUTHORITY OF
CLAUDIA T. WALKER, RLA
LANDSCAPE ARCHITECT No. 2987, ON 10/15/25
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

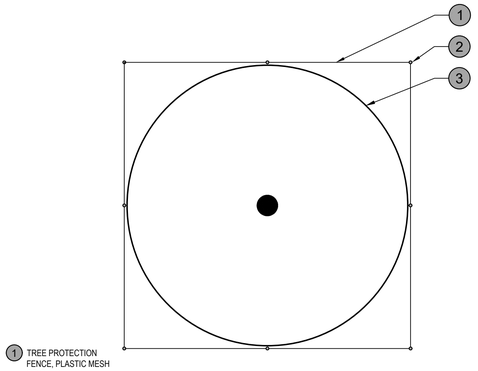
10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

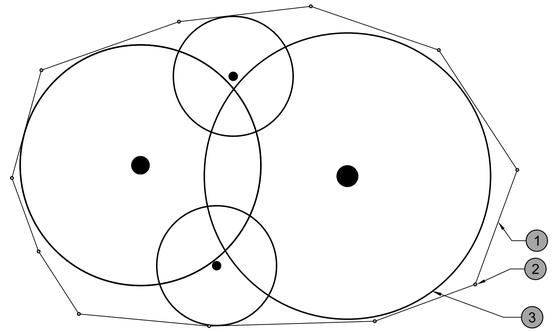
PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515



1. TREE PROTECTION FENCE, PLASTIC MESH OR CHAINLINK
2. T-POST (TYP.)
3. EXISITNG TREE DRIP LINE

SINGLE TREE



GROUP OF TREES

C2 TREE PROTECTION FENCE - PLAN VIEW

1" = 1'-0"

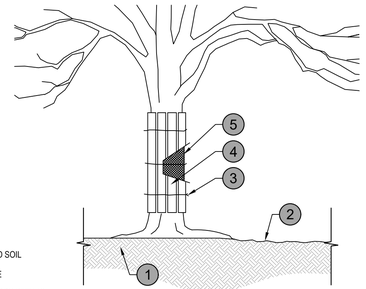
TREE PRESERVATION NOTES

1. VEHICLES AND EQUIPMENT SHALL NOT BE DRIVEN, PARKED, OR USED TO STORE EXCAVATED OR CONSTRUCTION MATERIALS WITHIN AREAS ENCLOSED BY TREE PROTECTION FENCING OR BENEATH THE CANOPY (DRIP LINE) OF TREES MARKED FOR PRESERVATION.
2. IF ACCESS WITHIN A TREE'S CANOPY AREA IS NECESSARY FOR SPECIFIC TASKS, EQUIPMENT MAY BE USED CAUTIOUSLY. CARE MUST BE TAKEN TO AVOID HARMING TRUNKS, BRANCHES, OR ROOT ZONES.
3. TREES DESIGNATED FOR RETENTION SHALL BE IRRIGATED AS NEEDED THROUGHOUT THE CONSTRUCTION PERIOD TO PROMOTE CONTINUED HEALTHY GROWTH.
4. ROOTS MUST BE SAFEGUARDED FROM HARM CAUSED BY GRADING OR SOIL REMOVAL. ANY EXCAVATION OR GRADING WITHIN THE DRIP LINE OF A TREE MUST BE PERFORMED MANUALLY USING HAND TOOLS.
5. TAKE PRECAUTIONS TO ENSURE TREE ROOTS ARE NOT EXPOSED TO HARMFUL CHEMICALS OR MATERIALS. PREVENT CONTAMINATION FROM RUNOFF, SPILLS DURING MATERIAL MIXING OR PLACEMENT, AND DRAINAGE FROM STORED ITEMS.
6. TREE PROTECTION BARRIERS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS AND REMAIN SECURELY IN PLACE UNTIL ALL SITE WORK IS FINISHED. BARRIERS SHOULD BE KEPT IN GOOD REPAIR THROUGHOUT THE PROJECT.
7. ALL PRUNING MUST BE APPROVED AND DIRECTED BY THE OWNER'S DESIGNATED REPRESENTATIVE. REMOVE DEAD BRANCHES AND DEBRIS FROM THE SITE AS PART OF SITE CLEANUP.
8. CONTRACTORS MUST MEET WITH THE URBAN FORESTER OR OWNER'S REP TO REVIEW TREE PRESERVATION PLANS BEFORE STARTING WORK.
9. NO SITE WORK IS ALLOWED UNTIL TREE PROTECTION MEASURES ARE IN PLACE AND APPROVED.
10. TREE PROTECTION INSTALLATIONS MUST BE REVIEWED BEFORE AND AFTER SETUP.
11. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING AND MAINTAINING THE TREE PRESERVATION PLAN.
12. DO NOT ACCESS FENCED TREE PROTECTION AREAS WITHOUT PRIOR APPROVAL.
13. COVER EXPOSED ROOTS WITH SOIL OR PLASTIC TO PREVENT DRYING.
14. LIMIT EXCAVATION IN TREE ZONES TO 2' DEPTH, AVOID CUTTING ROOTS OVER 1/2", AND USE HAND TOOLS WHEN REQUIRED.
15. DAMAGE TO PRESERVED TREES MUST BE ASSESSED AND COMPENSATED BY THE CONTRACTOR.
16. APPROVED FERTILIZER AND MYCORRHIZAL TREATMENTS ARE REQUIRED; ALTERNATIVES MUST BE APPROVED BY OWNER.
17. TREE FENCING MUST MEET SPECIFIED HEIGHT, GAUGE, AND SPACING; INSTALL PRIOR TO WORK.
18. MULCH SHOULD BE SITE-GENERATED OR FIRST-RUN; ORGANIC MATERIALS PREFERRED.
19. ONLY DESIGNATED TREES MAY BE PRUNED, AND ALL PRUNING MUST MEET ANSI STANDARDS.
20. DEADWOOD, STUBS OVER 1", AND HAZARD LIMBS MUST BE REMOVED.
21. OAK PRUNING DURING SPRING MONTHS REQUIRES APPROVED PAINT ON CUTS.
22. REMOVE ALL WOOD AND DEBRIS FROM PRUNING ACTIVITIES IMMEDIATELY.
23. COMPRESSED AIR TRENCHING MUST FOLLOW MARKED ZONES AND DEPTH LIMITS.
24. ALL ROOT ZONES 1.5" OR LARGER MUST BE PRESERVED; TRENCH CAREFULLY AND BACKFILL IMMEDIATELY.
25. UTILITY BORING MUST AVOID ROOT ZONES; BORE PITS MUST STAY OUTSIDE CRITICAL ROOT AREAS.
26. INSTALL VERTICAL WOOD PLANKS AROUND TRUNKS WHERE NEEDED FOR PROTECTION.
27. NEW SIDEWALKS IN TREE ZONES MUST BE ON-GRADE, WITH NO ROOT CUTTING OR STABILIZED SAND BASE.

DEMOLITION NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING PROTECTIVE MEASURES TO SAFEGUARD ALL DESIGNATED EXISTING TREES ON THE SITE.
2. STAGING OF EQUIPMENT, PARKING OF VEHICLES, OR MATERIAL STORAGE IS PROHIBITED BENEATH THE CANOPY (DRIP LINE) OF EXISTING TREES.
3. ONGOING UPKEEP SHALL BE PROVIDED IN ACTIVE WORK ZONES TO MAINTAIN SITE CONDITIONS DURING CONSTRUCTION.
4. TREES MARKED FOR MANUAL REMOVAL, AS SHOWN ON THE TREE PRESERVATION PLAN, WILL BE IDENTIFIED WITH AN "X" BY THE URBAN FORESTER OR THE OWNER'S REPRESENTATIVE.
5. TREE REMOVALS MUST BE CARRIED OUT BY A CERTIFIED ARBORIST WITH APPROPRIATE QUALIFICATIONS.
6. ALL TREE-RELATED DEBRIS AND CUT WOOD SHALL BE PROMPTLY CLEARED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
7. TREE STUMPS ARE TO BE GROUND TO A DEPTH OF 12 INCHES (1'-0") BELOW THE FINAL GRADE ELEVATION.
8. SHOULD ANY PRESERVATION TREES SUSTAIN INJURY DURING REMOVAL ACTIVITIES, NECESSARY CORRECTIVE ACTIONS MUST BE TAKEN TO RESTORE THEIR CONDITION.
9. ANY DAMAGE TO SITE GRADES OR TURF AREAS RESULTING FROM DEMOLITION WORK MUST BE REPAIRED AND RESTORED TO ORIGINAL OR BETTER CONDITION.

A4 TREE PRESERVATION GENERAL NOTES

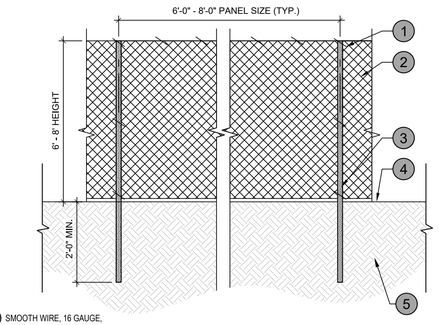


1. UNDISTURBED SOIL
2. FINISH GRADE
3. SECURE BOARDS WITH 10 GAUGE WIRE STAPLED TO BOARDS. DO NOT ATTACH BOARDS TO TREE
4. INSTALL 2" X 4" BOARDS SPACED EQUALLY AROUND CIRCUMFERENCE OF TREE OVER BURLAP
5. WRAP TREE WITH SEVERAL LAYERS OF BURLAP TO CUSHION TREE BARK FROM BOARDS

NOTES
1. IN SITUATIONS WHERE A PROTECTED TREE REMAINS IN THE IMMEDIATE AREA OF INTENDED CONSTRUCTION, AND THE TREE MAY BE IN DANGER OF BEING DAMAGED BY CONSTRUCTION EQUIPMENT OR OTHER ACTIVITY, THE CONTRACTOR OR SUBCONTRACTOR SHALL PROTECT THE TREE WITH 2" X 4" LUMBER ENCIRCLED WITH WIRE OR OTHER MEANS THAT DO NOT DAMAGE THE TREE. THE INTENT IS TO PROTECT THE TRUNK OF THE TREE AGAINST INCIDENTAL CONTACT BY LARGE CONSTRUCTION EQUIPMENT.

B3 TREE BOARDING

N.T.S.

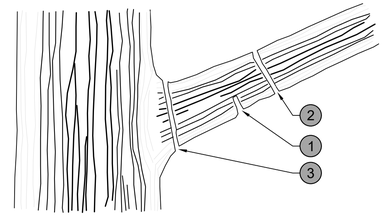


1. SMOOTH WIRE, 16 GAUGE, STRETCH ACROSS TOP OF FENCE AND SECURE
2. TREE PROTECTION FENCE, PLASTIC MESH OR CHAINLINK
3. 6' - 8' HEIGHT T-POSTS @ 8'-0" O.C. (TYP.)
4. FINISH GRADE
5. UNDISTURBED SOIL

NOTES
1. TREE PROTECTION FENCING SHALL BE INSTALLED AROUND THE TREE AT THE DRIP LINE, (TYP.), AS SPECIFIED PER NOTES AND PLAN.

A3 TREE PROTECTION FENCE - PLASTIC MESH

3/4" = 1'-0"



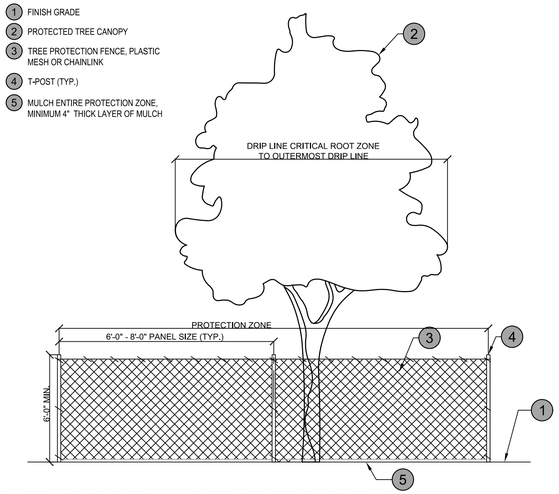
1. MAKE A PARTIAL CUT FROM BENEATH AT A POINT SEVERAL INCHES AWAY FROM THE TRUNK.
2. MAKE A SECOND CUT SEVERAL INCHES OUT AND ABOVE THE FIRST CUT TO ALLOW THE LIMB TO FALL SAFELY.
3. COMPLETE THE JOB WITH FINAL CUT JUST OUTSIDE THE BRANCH COLLAR, THE RAISED AREA THAT SURROUNDS THE BRANCH WHERE IT JOINS THE TRUNK.

NOTES
1. IT SHALL BE UNLAWFUL FOR ANY PERSON TO TOP ANY TREE WITHOUT HAVING A TREE PERMIT APPROVED BY THE LANDSCAPE ADMINISTRATOR. IF THE LANDSCAPE ADMINISTRATOR DETERMINES THAT TOPPING THE TREE IS NECESSARY BECAUSE THE TREE HAS BEEN SEVERELY DAMAGED BY STORMS OR OTHER CAUSES, OR IS IN A CIRCUMSTANCE WHICH MAKES OTHER PRUNING PRACTICES IMPRACTICAL, THE LANDSCAPE ADMINISTRATOR MAY ISSUE A TREE PERMIT ALLOWING TOPPING OF THE TREE.

B2 TREE PRUNNING

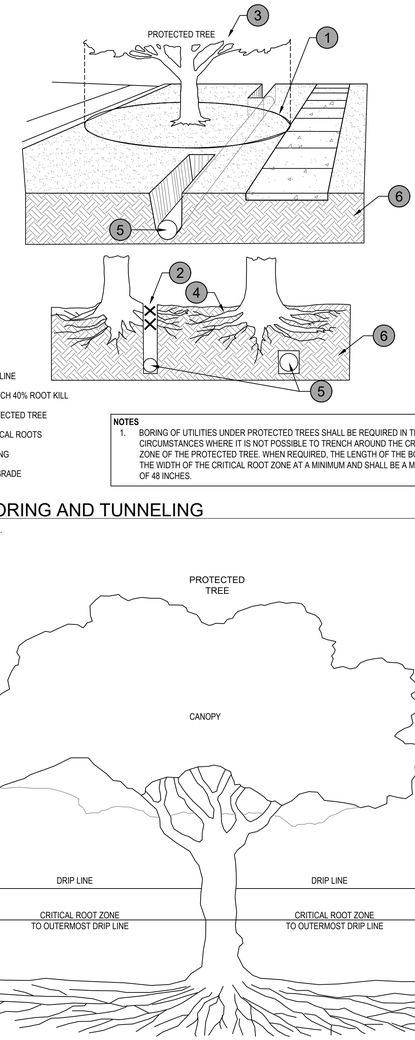
N.T.S.

1. FINISH GRADE
2. PROTECTED TREE CANOPY
3. TREE PROTECTION FENCE, PLASTIC MESH OR CHAINLINK
4. T-POST (TYP.)
5. MULCH ENTIRE PROTECTION ZONE, MINIMUM 4" THICK LAYER OF MULCH



A2 TREE PROTECTION FENCING ELEVATION

3/8" = 1'-0"

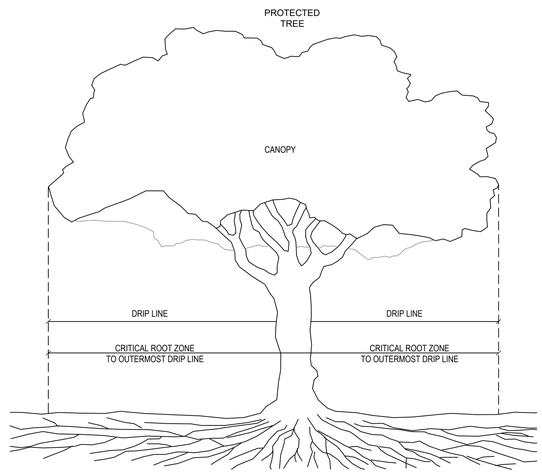


1. DRIP LINE
2. TRENCH 40% ROOT KILL
3. PROTECTED TREE
4. CRITICAL ROOTS
5. BORING
6. SUBGRADE

NOTES
1. BORING OF UTILITIES UNDER PROTECTED TREES SHALL BE REQUIRED IN THOSE CIRCUMSTANCES WHERE IT IS NOT POSSIBLE TO TRENCH AROUND THE CRITICAL ROOT ZONE OF THE PROTECTED TREE. WHEN REQUIRED, THE LENGTH OF THE BORE SHALL BE THE WIDTH OF THE CRITICAL ROOT ZONE AT A MINIMUM AND SHALL BE A MINIMUM DEPTH OF 48 INCHES.

B1 BORING AND TUNNELING

N.T.S.



A1 CRITICAL ROOT ZONE AREA

N.T.S.

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

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DRAWER | PDK
CHECKER | CTW

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
01	50% DD	06/09/2025
02	90% DD	07/22/2025
03	100% DD	08/19/2025
04	60% CD	10/14/2025

TREE PRESERVATION DETAILS AND NOTES

G1.21

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FILE PATH: Q:\SHARED DRIVES\CLIENTS_A-F\ANGLETON\ABIGAIL ARIAS PARK\7000 CONSTRUCTION DOCUMENT\97030 DRAWINGS\TREE - DETAILS.DWG | LAST SAVE DATE: 10/15/2025 3:48:44 PM | LAST SAVED BY: awallbuena

C.C.F.N. 2006040769
O.P.R.B.C.T.

SANITARY M/H
RIM: 25.44'
8" PVC (N) FL: 22.0'
8" PVC (S) FL: 22.1'
8" PVC (W) FL: 23.2'

TREE LINE

FG=25.20'
84'
FG=25.50'
FG=25.00'
FL=24.30'
FG=24.90'
FG=25.00'
MAINTAIN EXISTING EDGE OF SWALE
FG=25.00'
FG=31.00'
13' TYP
FG=26.50'
FG=25.70'
PROPOSED BOTTOM OF POND
PROPOSED SWALE FLOWLINE
FILL EXISTING SWALE
FL=24.90'
81'
FG=25.00'
PROPOSED MANHOLE
FG=25.00'
FG=24.90'
FG=24.90'
FG=25.00'
PROPOSED MANHOLE
FG=25.00'
PROPOSED 6" HDPE
FL=24.20'
FL=24.20'
PROPOSED EDGE OF POND
67'
6" HDPE
FL=24.10'
FG=24.80'
FG=24.70'
FG=24.80'
FG=24.70'
FG=24.75'
FG=23.90'
FG=25.00'
FG=24.10'
FG=25.50'

CALLED 2.50 ACRES
VOL. 950, PG. 901
D.R.B.C.T.

.8687 ACRES
1999003305
.R.B.C.T.

CURB INLET
RIM: 24.87'
0" RCP (S) FL: 19.6'

INLET
RIM ELEV.: 24.44'
40"x40" BOX (S) EL. = 20.2'

STORM M/H
RIM: 25.21'
24" RCP (S) FL: 20.0'

STORM M/H
UNABLE TO OPEN
24" RCP (N) FL: 19.5'
36" RCP (E) FL: 19.5'
36" RCP (W) FL: 19.5'

INLET
RIM: 23.95'
40"X40" BOX (S) FL: 19.9'

STORM M/H
RIM: 24.48'
24" RCP (S) FL: 19.6'

STORM M/H
RIM: 24.69'
24" RCP (N) FL: 19.4'
42" RCP (E) FL: 18.9'
36" RCP (W) FL: 19.2'

INLET
RIM : 23.44'
(S) FL: 20.0'

STORM M/H
RIM : 24.13'
24" RCP (S) FL: 20.0'

STORM M/H
RIM ELEV.: 24.11'
24" RCP (N) EL.
42" RCP (E) EL. 18.7'
18" RCP (S) EL. 18.9'
RCP (W) E . 18.8'

INLET
RIM : 24.30'
18" RCP (N) FL: 19.2'

CEMETERY ROAD
CEMETERY ROAD

GENERAL NOTES

LEGEND

- 4 ½" CONCRETE SIDEWALK SEE DETAIL SHEET C5.02
- PROPOSED CONTOUR
- DIRECTION OF GRADE

0 30' ft 60' ft

SCALE: 1" INCH = 30' FEET

N

BURDITT Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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10/14/2025

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MICHELLE A . PATTON, P.E..
TEXAS #90252
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MPCE Civil Engineering
MPCE, LLC
20333 SH 249, SUITE 200
HOUSTON, TX 77070
F-22744

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 Cemetery Road

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | MAP
DRAWER | MAP
CHECKER | MAP

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

GRADING PLAN

C1.01

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Z:\Shared\Projects\2025 Abigail Airas Park\CAD\ARIAS-PLANS.dwg, 10/11/2025 4:38:41 PM, DWG To PDF.pc3

C.C.F.N. 2006040769
O.P.R.B.C.T.

SANITARY M/H
RIM: 25.44'
8" PVC (N) FL: 22.0'
8" PVC (S) FL: 22.1'
8" PVC (W) FL: 23.2'

TREE LINE

CALLED 2.50 ACRES
VOL. 950, PG. 901
D.R.B.C.T.

.8687 ACRES
1999003305
.R.B.C.T.

CURB INLET
RIM: 24.87'
30" RCP (S) FL: 19.6'

INLET
RIM ELEV.: 24.44'
40"x40" BOX (S) EL. = 20.2'

STORM M/H
RIM: 25.21'
24" RCP (S) FL: 20.0'

STORM M/H
RIM: 25.28'
24" RCP (N) FL: 19.8'
36" RCP (E) FL: 19.5'
36" RCP (W) FL: 19.5'

STORM M/H
RIM: 24.97
UNABLE TO OPEN

INLET
RIM: 23.95'
40"X40" BOX (S) FL: 19.9'

STORM M/H
RIM: 24.48'
24" RCP (S) FL: 19.6'

STORM M/H
RIM: 24.64'
24" RCP (N) FL: 19.4'
42" RCP (E) FL: 18.9'
36" RCP (W) FL: 19.2'

INLET
RIM : 23.44'
(S) FL: 20.0'

STORM M/H
RIM: 24.11'
24" RCP (N) EL.
42" RCP (E) EL.
18" RCP (S) EL.
18" RCP (W) EL.

INLET
RIM : 24.30'
18" RCP (N) FL: 19.2'

CEMETERY ROAD

12 W

HD

GENERAL NOTES

THE SITE IS LOCATED ON FEMA FIRM 48039C0445K, EFFECTIVE 12/10/2020. IT LIES IN ZONE X, AREA OF MINIMAL FLOOD HAZARD.

REQUIRED STORMWATER DETENTION VOLUME: 1.324 AC-FT
PROVIDED STORMWATER DETENTION VOLUME: 1.324 AC-FT

LEGEND

- PROPOSED CONTOUR
- DIRECTION OF FLOW
- DRAINAGE BOUNDARY
- ID / AC / CFS — DRAINAGE AREA, AREA (AC), RUNOFF (CFS)
- ID / CUMM. AC / CUMM. CFS — NODE, AREA (AC), RUNOFF (CFS)

0 30' ft 60' ft

SCALE: 1" INCH = 30' FEET

N

BURDITT Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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10/14/2025

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MICHELLE A . PATTON, P.E..
TEXAS #90252
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MPCE Civil Engineering
MPCE, LLC
20333 SH 249, SUITE 200
HOUSTON, TX 77070
F-22744

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 Cemetery Road

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | MAP
DRAWER | MAP
CHECKER | MAP

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

DRAINAGE AREA MAP

C1.02

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FILE PATH: Z:\SHARED\PROJECTS\2025 ABIGAIL AIRAS PARK\CAD\ARIAS-PLANS.DWG | LAST SAVE DATE: 10/11/2025 4:29:10 PM | LAST SAVED BY: maj2024

C.C.F.N. 2006040769
O.P.R.B.C.T.

SANITARY M/H
RIM: 25.44'
8" PVC (N) FL: 22.0'
8" PVC (S) FL: 22.1'
8" PVC (W) FL: 23.2'

TREE LINE

PROPOSED
4" SANITARY SEWER

CALLED 2.50 ACRES
VOL. 950, PG. 901
D.R.B.C.T.

.8687 ACRES
1999003305
.R.B.C.T.

PROPOSED
2" WATER LINE

PROPOSED
2" WM &
BACKFLOW
PREVENTOR

CURB INLET
RIM: 24.87'
0" RCP (S) FL: 19.6'

INLET
RIM ELEV.: 24.44'
40"x40" BOX (S) EL. = 20.2'

INLET
RIM: 23.95'
40"X40" BOX (S) FL: 19.9'

STORM M/H
RIM: 24.48'
24" RCP (S) FL: 19.6'

INLET
RIM : 23.44'
BOX (S) FL: 20.0'

STORM M/H
RIM: 25.21'
24" RCP (S) FL: 20.0'

STORM M/H
RIM: 25.03'
24" RCP (W) FL: 19.5'
36" RCP (E) FL: 19.5'
36" RCP (W) FL: 19.5'

STORM M/H
RIM: 24.97
UNABLE TO OPEN

STORM M/H
RIM: 24.04'
24" RCP (N) FL: 19.4'
42" RCP (E) FL: 18.9'
36" RCP (W) FL: 19.2'

STORM M/H
RIM : 24.13'
24" RCP (S) FL: 20.0'

STORM M/H
RIM ELEV.: 24.11'
24" RCP (N) EL. = 19.9'
42" RCP (E) EL. = 18.7'
18" RCP (S) EL. = 18.9'
42" RCP (W) EL. = 18.6'

INLET
RIM : 24.30'
18" RCP (N) FL: 19.2'

CEMETERY ROAD

CEMETERY ROAD

0 30' ft 60' ft

SCALE: 1" INCH = 30' FEET

N

GENERAL NOTES

LEGEND

BURDITT Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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MICHELLE A . PATTON, P.E..
TEXAS #90252
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MPCE Civil Engineering
MPCE, LLC
20333 SH 249, SUITE 200
HOUSTON, TX 77070
F-22744

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 Cemetery Road

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | MAP
DRAWER | MAP
CHECKER | MAP

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

UTILITY PLAN

C1.03

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FILE PATH: Z:\SHARED\PROJECTS\2025 ABIGAIL AIRAS PARK\CAD\ARIAS-PLANS.DWG | LAST SAVE DATE: 10/11/2025 4:29:10 PM | LAST SAVED BY: mep2024

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BURDITT
Land | Place
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Conroe, TX 77304
Tel: 936.756.3041

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UNDER THE AUTHORITY OF
CLAUDIA T. WALKER, RLA
LANDSCAPE ARCHITECT No. 2987, ON 10/15/25
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10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

301 CEMETERY ROAD ANGLETON TX, 77515

PROJECT NO. 1514.003

1 INCH

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03	100% DD	08/19/2025
04	60% CD	10/14/2025

SCALE AND NORTH ARROW

0 30 ft 60 ft

SCALE: 1" = 30' - 0"

N

SITE DIMENSIONAL PLAN

L0.01

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C.C.F.N. 2006040769
O.P.R.B.C.T.

PROPERTY LINE (TYP.)
LIMITS OF WORK (TYP.)
SIDEWALK (TYP.) REF. CIVIL
EXISTING TREE TO REMAIN (TYP.) DO NOT DISTURB
EXISTING SWALE
PLAYGROUND
SPLASHPAD
PROPOSED RESTROOM AND PAVILION REF. ARCH
BENCH WITH ADA SPACE
WHEEL STOP (TYP.) REF. CIVIL
PROPOSED PARKING REF. CIVIL
BERM (TYP.)
CALLED 2.50 ACRES
VOL. 950, PG. 901
D.R.B.C.T.
8687 ACRES
1999003305
R.B.C.T.
CEMETERY RD.

HARDSCAPE LEGEND	
CODE	DESCRIPTION
SITE FURNISHINGS	
A-1	TRASH RECEPTACLE
A-2	ENTRY SIGN
A-3	DUMPSTER ENCLOSURE
A-4	BIKE RACK
A-5	PICNIC TABLE
A-6	BENCH
A-7	PEDESTRIAN LIGHT POLE
A-8	PARKING LOT LIGHT POLE
A-9	ADA PICNIC TABLE
SURFACES	
B-1	SPLASHPAD
B-2	PARKING/EMERGENCY DRIVE AISLE
B-3	SIDEWALK
B-4	DECOMPOSED GRANITE TRAIL (ADD ALTERNATE)
B-5	POUR IN PLACE
B-6	ARTIFICIAL TURF

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515

PROPERTY LINE (TYP.)
LIMITS OF WORK (TYP.)
SIDEWALK (TYP.) REF. CIVIL
EXISTING TREE TO REMAIN (TYP.) DO NOT DISTURB
PLAYGROUND
SPLASHPAD
PROPOSED RESTROOM AND PAVILION REF. ARCH
BENCH WITH ADA SPACE
EXTENTS OF DG
WHEEL STOP (TYP.) REF. CIVIL
PROPOSED PARKING REF. CIVIL
CALLED 2.50 ACRES VOL. 950, PG. 901 D.R.B.C.T.
.8687 ACRES 1999003305 R.B.C.T.
C.C.F.N. 2006040769 O.P.R.B.C.T.
12 W
HD
CEMETERY RD.

1 INCH
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04	60% CD	10/14/2025

SCALE AND NORTH ARROW

0 30 ft 60 ft

SCALE: 1" = 30' - 0"

N

HARDSCAPE PLAN

L1.01

97

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HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	DETAIL	MANUFACTURER	MODEL	FINISH/COLOR	CONTACT	REMARKS
SITE FURNISHINGS									
	A-1	TRASH RECEPTACLE	3	B4/L1.21	BARCO PRODUCTS	CASSIDY RECEPTACLE/ 32 GAL. RAIN BONNET LID RECEPTACLE (08CL1425)	GALVANIZED STEEL/BLACK ONYX	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION.
	A-2	ENTRY SIGN	1	A2/L1.21	COAST SIGNS	-	REF. DETAIL	-	OWNER FURNISHED OWNER INSTALLED
	A-3	DUMPSTER ENCLOSURE	1	A2/L1.23	-	-	-	-	-
	A-4	BIKE RACK	4	C3/L1.21	MADRAX	METRO BIKE RACK	GALVANIZED	MADRAX.COM	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION.
	A-5	PICNIC TABLE	3	B3/L1.21	BARCO PRODUCTS	WESTIN RECYCLED PLASTIC TABLE (8`-0" FOOT LENGTH) STANDARD MODEL (PT-76)	TABLE COLOR: BROWN FRAME COLOR: BLACK	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION.
	A-6	BENCH	6	A4/L1.21	BARCO PRODUCTS	SILHOUETTE BENCH (6`-0" FOOT LENGTH)	FINISH: PREMIUM WOOD GRAIN MATERIAL: RECYCLED PLASTIC	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION.
	A-7	PEDESTRIAN LIGHT POLE	2		PUTTERMAN SCHARCK AND ASSOCIATES	LUMARK PRV	GRAPHITE METALLIC	PHONE: 713.664.7111	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION. REF. ELECTRICAL
	A-8	PARKING LOT LIGHT POLE	4		PUTTERMAN SCHARCK AND ASSOCIATES	LUMARK PRV	GRAPHITE METALLIC	PHONE: 713.664.7111	INSTALL PER MANUFACTURER`S RECOMENDATIONS. PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO INSTALATION. REF. ELECTRICAL
	A-9	ADA PICNIC TABLE	1	C4/L1.23	BARCO PRODUCTS	WESTIN WEELCHAIR ACCESSIBLE RECYCLED PLASTIC TABLE MODEL (PT-77)	TABLE COLOR: BROWN FRAME COLOR: BLACK	EMAIL: SALES@BARCOPPRODUCTS.COM PHONE: (800) 338-2697	INSTALL PER MANUFACTURER'S RECOMENDATIONS PROVIDE CUTCHEET FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR INSTALATION
SURFACES									
	B-1	SPLASHPAD	3,651 sf		-	-	-	-	-
	B-2	PARKING/EMERGENCY DRIVE AISLE	20,523 sf		-	-	REF. CIVIL	REF. CIVIL	REF. CIVIL
	B-3	SIDEWALK	19,627 sf		-	-	REF. CIVIL	REF. CIVIL	REF. CIVIL
	B-4	DECOMPOSED GRANITE TRAIL (ADD ALTERNATE)	15,493 sf		-	-	-	-	
	B-5	POUR IN PLACE	6,750 sf			DURAPLAY	DURAPLAY SURFACING SYSTEM	-	WWW.DURAPLAY.COM
	B-6	ARTIFICIAL TURF	2,814 sf	B3/L1.23	SYNLAWN	TXT48P	MEADOW GREEN	WWW.STRICKTLYGREENGRASS.COM	INSTALL PER MANUFACTURER`S RECOMMENDATIONS. PROVIDE CUT SHEET FOR LANDSCAPE ARCHITECT`S APPROVAL PRIOR TO SINSTALLATION.

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10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515

1 INCH

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DRAWER | PDK
CHECKER | CTW

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HARDSCAPE SCHEDULE

L1.20

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HARDSCAPE DETAILS

L1.21

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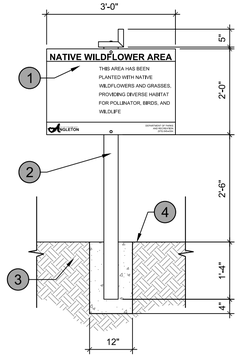
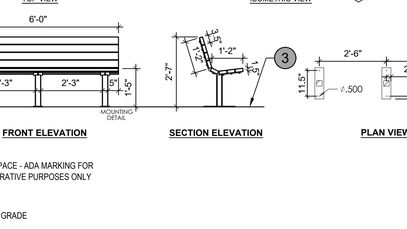


1 1/16" THICK ALUMINUM
2 4X4 WESTERN RED CEDAR
3 COMPACTED SUBGRADE
4 FINISH GRADE

C4 WILDFLOWER AREA

N.T.S.

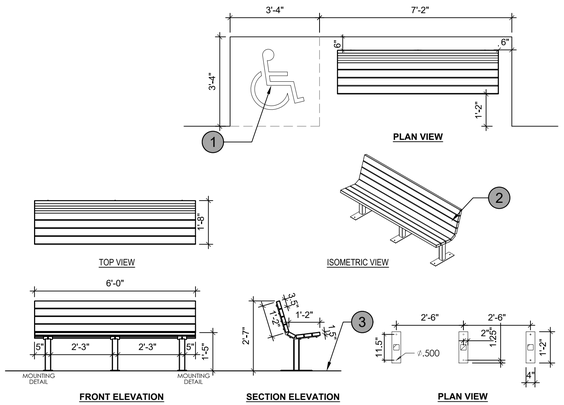


1 CONCRETE PAD
2 TRASH RECEPTACLE

NOTES
1. ALL DRAWINGS ARE PRELIMINARY ONLY, NOT TO BE USED FOR INSTALLATION OF ANY KIND.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 175-433.
7. 30" X 24" TRASH RECEPTACLE PORTABLE DESIGN. COATED WITH A 1/8" TO 1/4" THICK PLASTISOL ULTRAVIOLET STABILIZED VINYL COATING FUSED AND BAKED TO A 90% GLOSS.
8. 30" TALL X 24" DIAMETER. 32 GALLON CAN SIZE (NOT INCLUDED).
9. ALL HARDWARE IS NON CORROSIVE.
10. WEIGHT FOR THE TR32PERF IS 75 LBS.

B4 TRASH RECEPTACLE

1/16" = 1'-0"



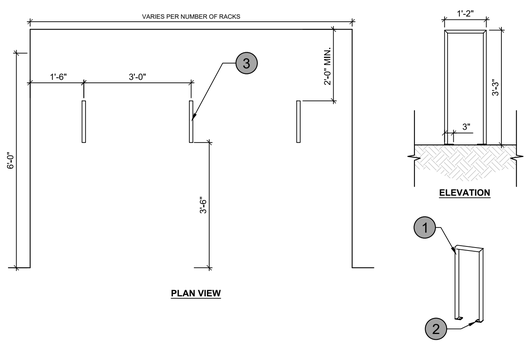
1 ADA SPACE - ADA MARKING FOR ILLUSTRATIVE PURPOSES ONLY
2 WOOD
3 FINISH GRADE

A4 BENCH

3/8" = 1'-0"

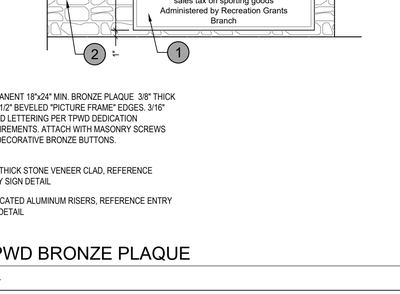
C3 BIKE RACK

1/2" = 1'-0"



1 1" X 3" STEEL OR STAINLESS STEEL TUBING
2 1/4" X 3" FLANGE WITH 2 Ø 7/16" HOLES
3 BIKE RACK

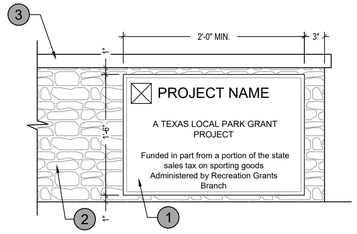
NOTES
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. FINISH: GALVANIZED
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.
4. PRODUCT: MET-2-IG(SF) DESCRIPTION: METRO BIKE RACK, 2 BIKE, SURFACE OR IN GROUND MOUNT



NOTES
1. ANCHOR TABLE TO CONCRETE.
2. LEGS - 4X4 RECYCLED PLASTIC LUMBER
3. SEATS - 2X10 RECYCLED PLASTIC LUMBER
4. SEAT SUPPORTS - 2X6 RECYCLED PLASTIC LUMBER
5. TABLE TOP - 2X10 RECYCLED PLASTIC LUMBER
6. HARDWARE TO BE STAINLESS STEEL.
7. PICNIC TABLE TO BE ANCHORED TO CONCRETE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

B3 PICNIC TABLE

N.T.S.



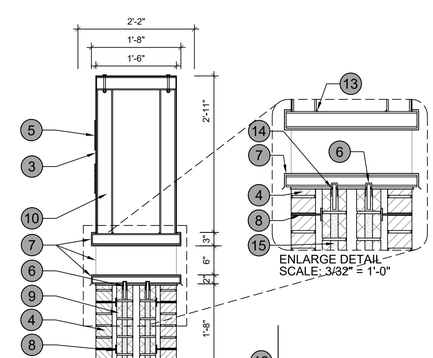
1 PERMANENT 18"x24" MIN. BRONZE PLAQUE 3/8" THICK WITH 1/2" BEVELED "PICTURE FRAME" EDGES. 3/16" RAISED LETTERING PER TPWD DEDICATION REQUIREMENTS. ATTACH WITH MASONRY SCREWS AND DECORATIVE BRONZE BUTTONS.

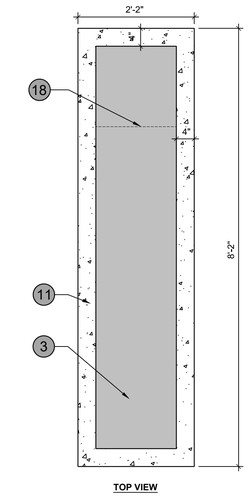
2 1-1/4" THICK STONE VENEER CLAD, REFERENCE ENTRY SIGN DETAIL

3 FABRICATED ALUMINUM RISERS, REFERENCE ENTRY SIGN DETAIL

A3 TPWD BRONZE PLAQUE

N.T.S.

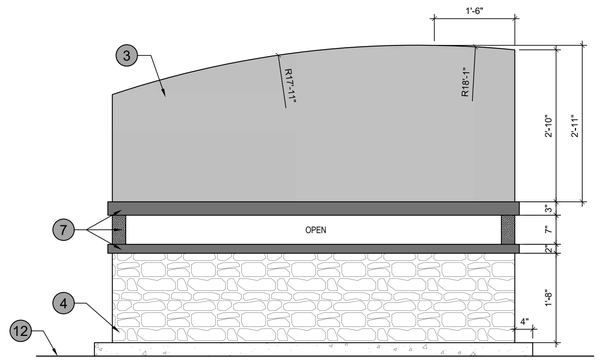




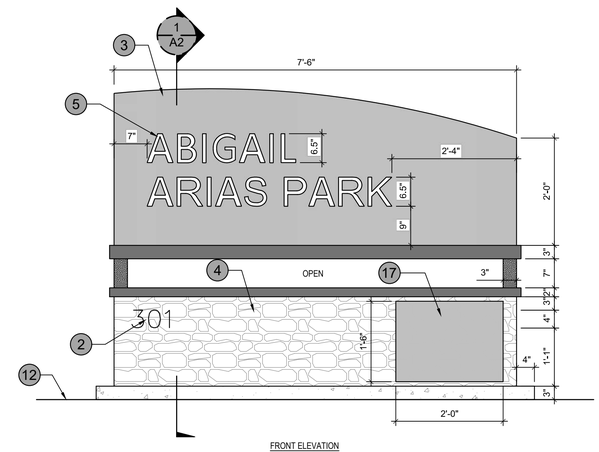
1 COMPACTED SUBGRADE PER GEOTECH REQUIREMENTS
2 ½" THICK WATERJET CUT ALUMINUM NUMERALS PAINTED TO MATCH MP56389 SLATE METALLIC. MOUNT USING CAVITY WALL FIXINGS. TYPEFONT: LATO, HEAVY.
3 FABRICATED ALUMINUM SIGN CABINET. PAINTED TO MATCH MP05575 BIANCO CREMA
4 1-1/4" THICK STONE VENEER CLAD AROUND AN ALUMINUM ANGLE FRAME STRUCTURE. CORNERS MITERED AND ALL JOINTS GROUTED WITH EXTERIOR GRADE GROUT TO MATCH STONE COLORING. ANCHORS AND ATTACHMENTS TO BE NON-CORROSIVE
5 1/4" THICK WATERJET CUT ALUMINUM TEXT. PAINTED TO MATCH MP19844 DAUPHIN GREY METALLIC. MOUNT FLUSH TO CABINET FACE. TYPEFONT: LATO, MEDIUM
6 DOWEL
7 FABRICATED ALUMINUM RISERS, FRAME AND TOP CAP PAINTED TO MATCH MP56389 SLATE METALLIC
8 STONE VENEER TIE
9 CMU
10 LIGHT GAUGE ALUMINUM FRAMING PER MFR.
11 CONCRETE MOW GUARD TO HAVE SMOOTH, CONTINUOUS FINISH WITHOUT AIR POCKETS
12 FINISH GRADE, SLOPE AWAY FROM SIGN
13 WELD
14 SEALANT AROUND PENETRATIONS THROUGH FLASHING
15 FILL WITH GROUT
16 CONCRETE FOUNDATION WITH MOW GUARD, REFERENCE STRUCTURAL
17 PERMANENT TEXAS PARKS & WILDLIFE GRANT BRONZE PLAQUE. REFERENCE TPWD PLAQUE DETAIL
18 TOP RIDGE

A2 ENTRY SIGN

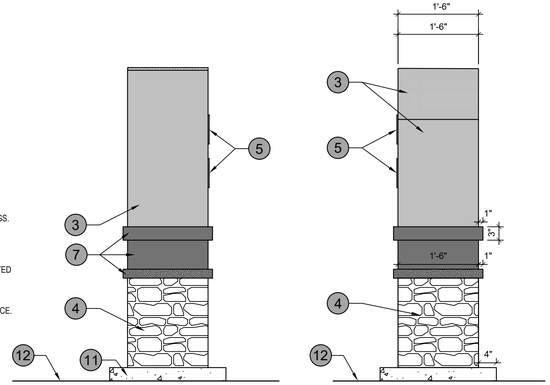
3/4" = 1'-0"



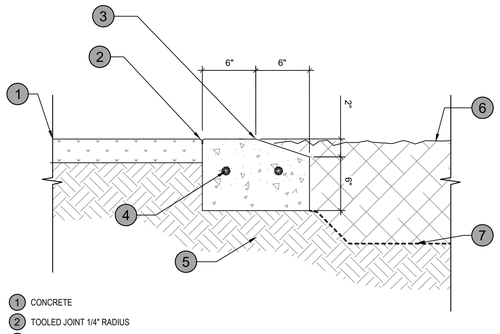
BACK ELEVATION



FRONT ELEVATION



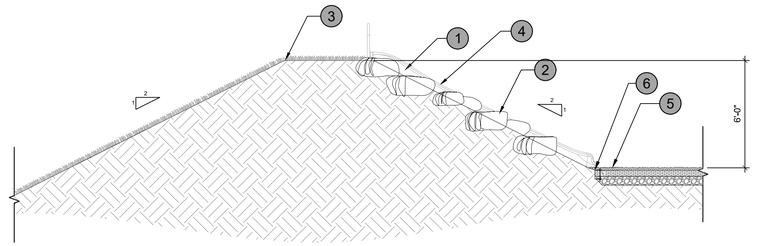
NOTE:
OWNER FINISHED AND OWNER INSTALLED ENTRY SIGH



1. CONCRETE
2. TOOLED JOINT 1/4" RADIUS
3. 1/4" TOOLED RADIUS
4. 2 # 4 BARS CONT.
5. COMPACTED SUBGRADE
6. ENGINEERED WOOD CHIPS 12" DEEP MIN. MOUND AN EXTRA 3" WOOD CHIPS ON TOP TO COMPENSATE FOR INITIAL SETTLEMENT
7. FIBERFELT

C4 CONCRETE EDGE WITH ENGINEERED WOOD FIBER

1 1/2" = 1'-0"

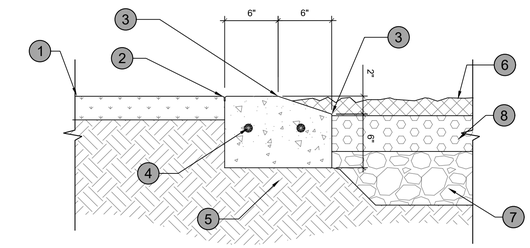


1. SOLID TIFWAY419 SOD
2. 24"-36" LONG X 12" HIGH BOULDERS COUNTERSUNK AS SHOWN FOR CLIMBING STEPS.
3. ARTIFICIAL TURF
4. SLIDE BEYOND
5. POUR IN PLACE
6. CONCRETE EDGE

NOTES:
1. MANUFACTURER SLIDE REF.

C3 6' TALL PLAY BERM X-SECTION

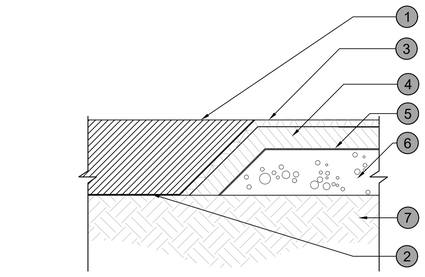
1/4" = 1'-0"



1. CONCRETE
2. TOOLED JOINT 1/4" RADIUS
3. 1/4" TOOLED RADIUS
4. 2 # 4 BARS CONT.
5. COMPACTED SUBGRADE
6. FLEXITURF 1/2" MIN. THICKNESS
7. TYPE II STONE, 4" MIN. THICKNESS COMPACTED TO 95%
8. FLEXITURF BASE LAYER (THICKNESS VARIES)

C1 CONCRETE EDGE WITH POUR IN PLACE

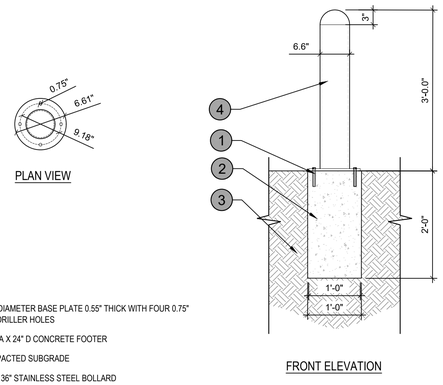
1 1/2" = 1'-0"



1. 2" TH MIN, FIBAR WOOD FIBER
2. FIBAR FELT
3. 3/8" TOP COURSE
4. CUSHION BASE
5. GEOTEXTILE FABRIC
6. TYPE II STONE
7. COMPACTED SUBGRADE

B4 PIP ADJACENT TO ENGINEERED WOOD FIBER

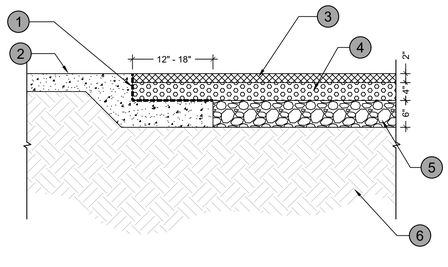
3" = 1'-0"



1. 11.5" DIAMETER BASE PLATE 0.55" THICK WITH FOUR 0.75" PRE-DRILLER HOLES
2. 12" DIA X 24" D CONCRETE FOOTER
3. COMPACTED SUBGRADE
4. 6.6" X 36" STAINLESS STEEL BOLLARD

A4 STAINLESS STEEL BOLT DOWN BOLLARD DETAIL

3/4" = 1'-0" MU-AB-HAR-27

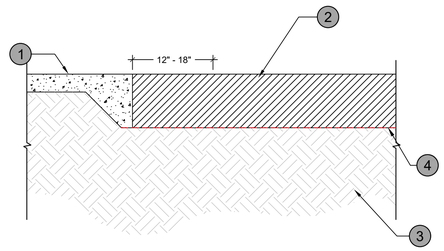


1. PRIMER
2. CONCRETE CURB OR CONCRETE STOP
3. POUR IN PLACE 1/2" MIN. THICKNESS
4. POUR IN PLACE BASE LAYER (THICKNESS VARIES)
5. TYPE II STONE, 4" MIN. THICKNESS COMPACTED TO 95%
6. COMPACTED SUBGRADE

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.

B3 PIP ADJACENT TO SIDEWALK

1/16" = 1'-0"



1. CONCRETE CURB OR CONCRETE STOP
2. FIBAR WOOD MULCH
3. COMPACTED SUBGRADE
4. FIBERFELT

NOTES:
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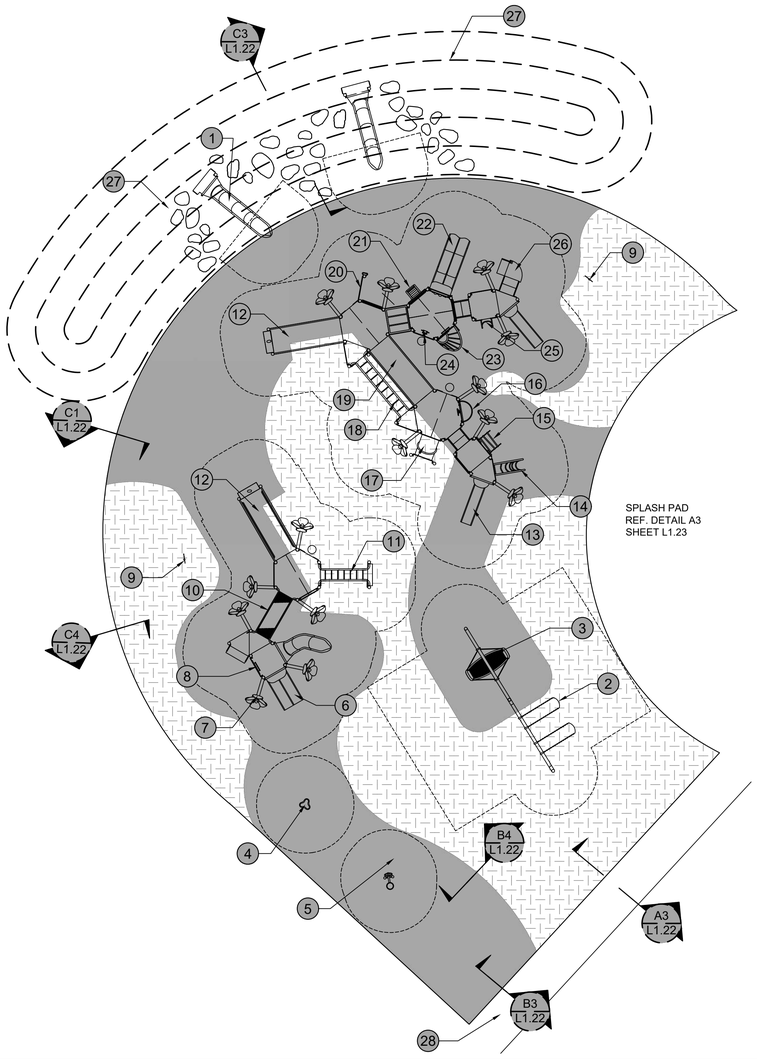
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.

A3 WOOD FIBER ADJACENT TO SIDEWALK

1/16" = 1'-0"



1. SLIDEWINDER 2 - 124863
2. BEALT SEAT W/ PROGUARD CHAINS 8' BEAN HEIGHT 174018
3. FLEXX SWING W/ SINGLE POST FRAME 52" BURY 352219
4. SADDLE SPINNER 12" SEAT HEIGHT 152179
5. SINGLE BOBBLE SPRING RIDER 164074
6. DOUBLE SLIDE 123331
7. FLOWER POST TOPPER 212256
8. RAIN SOUND WHEEL PANEL 345285
9. WELCOME SIGN (LSI PROVIDED) 182503
10. GRID WALK W/ BARRIERS 152443
11. HORIZONTAL LADDER ACCESS LANDING SEAT 8" HEIGHT 141887
12. RAMP W/ BARRIER 156233
13. SINGLE SLIDE 123337
14. LOOP ARCH 122914
15. WOOD PLANK WIGGLE LADDER 169318
16. BALCONY DECK 111240
17. 16" OFFSET CRAWL TUNNEL DECK TO GROUND 122589
18. OVERHEAD PARALLEL BARS/HORIZONTAL LADDER
19. RAMP W/ GUARDRAIL AND CURBS (ASTM) 156232
20. CHINNING BAR 111357
21. WOOD PLANK LADDER (72" DECK) 272084
22. DOUBLE SWOOSH POLY SLIDE (72" DECK) 130390
23. SUNBEAM CLIMBER (72" DECK) 176079
24. PERISCOPE PANEL (72" DECK) 345289
25. LOOP LADDER 345312
26. LEFT TRANSFER MODULE 152911
27. STEPPING STONES
28. ADJACENT CONCRETE SIDEWALK. REF HARDSCAPE PLAN

A2 PLAYGROUND

1" = 10'

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310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515

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DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

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HARDSCAPE DETAILS

L1.22

100

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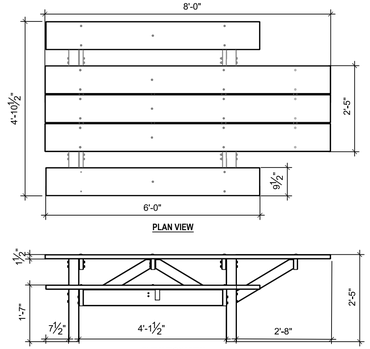
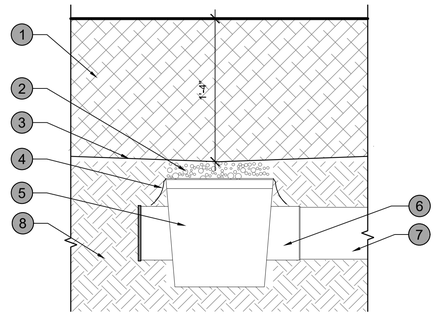


NOTES
1. ANCHOR TABLE TO CONCRETE.
2. LEGS - 4X4 RECYCLED PLASTIC LUMBER
3. SEATS - 2X10 RECYCLED PLASTIC LUMBER
4. SEAT SUPPORTS - 2X6 RECYCLED PLASTIC LUMBER
5. TABLE TOP - 2X10 RECYCLED PLASTIC LUMBER
6. HARDWARE TO BE STAINLESS STEEL.
7. PICNIC TABLE TO BE ANCHORED TO CONCRETE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

C4 ADA PICNIC TABLE

1/2" = 1'-0" MU-AB-HAR-28

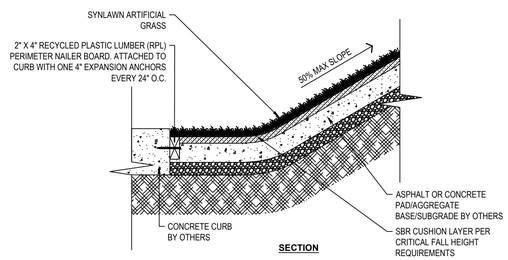


1. MIN. 1'-4" FIVBER PLAY SURFACE @ DRAIN INLET MIN. 10" FIBER PLAY SURFACE @ CURB
2. 2" GRAVEL
3. BACKFILL SLOPED TO DRAIN 1-2%
4. GEOTEXT FABRIC
5. NDS L1200 BKIT, OR APPROVED EQUAL
6. 6" DOUBLE OUTLET OPENING CAP OPENING AS REQUIRED
7. 6" SCH. 40 PIPE CONNECTION TO STORM DRAIN
8. COMPACTED SUBGRADE

C3 PLAY SURFACE DRAINAGE DETAIL

1 1/2" = 1'-0"

SYNLAWN
2680 ABUTMENT ROAD SE
DALTON, GA 30721
TOLL FREE: 1-866-SYNLAWN
FAX: (706) 277-1128
www.synlawn.com



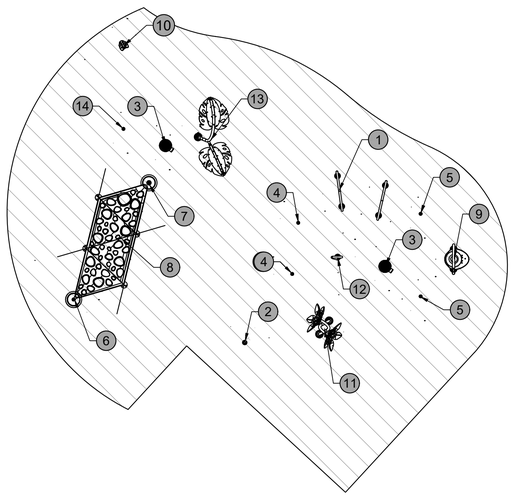
SECTION

MANUFACTURER NOTES:
1. IF MOUNDING IS UNDER 2' IN HEIGHT ASPHALT PAD LAYER IS NOT REQUIRED. AGGREGATE BASE IS ADEQUATE.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER MU-1610-H

B3 TURF DETAIL AT ARTIFICIAL TURF BERM

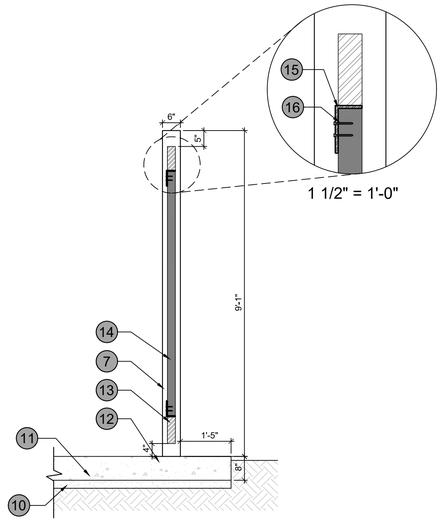
N.T.S. MU-AB-10



1. SPRAY LOOP VOR 0519
2. ACTIVATOR N°4 VOR 0622
3. PLAYSAFE DRAIN N°4 VOR 1004
4. SPRAYLINK™ ARCH VOR 3002
5. SPRAYLINK™ GEYSER VOR 3005
6. WATER JOURNEY™ - TIDE POOL VOR 7122
7. WATER JOURNEY™ - DRAIN BASIN VOR 7126
8. WATER JOURNEY™ - PRESS & FLOW VOR 7138
9. TWINSPLASH VOR 7242
10. TALL GRASS N°2 VOR 7264
11. LILIUM FLOWER TWIST VOR 7287
12. LOOP N°2 VOR 7553
13. DOUBLE LEAVES VOR 7270
14. SPRAYLINK™ JET N°1 VOR 3000

A3 SPLASHPAD

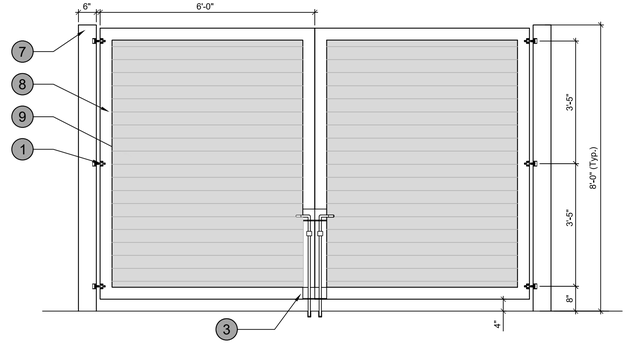
N.T.S.



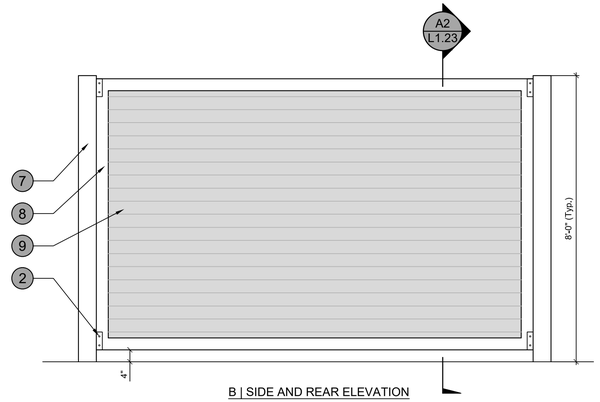
FENCE SECTION

1. GOLIATH HEAVY-DUTY INDUSTRIAL SWING GATE HINGE, OR APPROVED EQUIVALENT
2. 2" X 6" L" BRACKET WELDED TO POST WITH (2) 1/2" BOLTS AT FENCE
3. GATE KEEPER
4. 8" O.D. SCH. 40 GALV. STEEL PIPE. FILL WITH CONCRETE, PAINTED BLACK
5. 2" X 4" GALV. STEEL FRAMING PAINTED BLACK WITH 6" CEDAR PLANK
6. GATES
7. 6" X 6" SQUARE GALV. STEEL POST PAINTED BLACK
8. 2" X 4" GALV. STEEL FRAMING PAINTED BLACK
9. ENCLOSURE DOORS WITH 6" CEDAR PLANKS
10. 2" SAND BED
11. 6" CONCRETE PAD
12. TOP OF PAVING
13. 2" X 6" GALV. STEEL FRAMING PAINTED BLACK
14. 6" CEDAR PLANKS
15. 2" X 4" WELDED STEEL "L" BRACKET
16. (2) #10 LAG SCREW PER PICKET AT EACH STEEL BRACKET, TOP AND BOTTOM

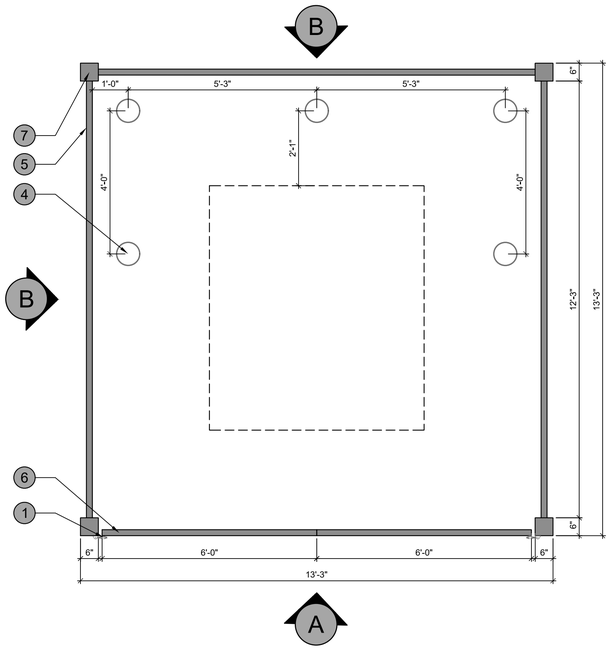
NOTES
1. PRESSURE-TREATED CEDAR WOOD.
1. STAINLESS STEEL HARDWARE.
2. POST TOP METAL CAP SIZED TO FIT POST TOP.
3. STAIN CEDAR WOOD A TEAK COLOR. PAINT STEEL POSTS BLACK.



A | FRONT ELEVATION



B | SIDE AND REAR ELEVATION



A2 DUMPSTER ENCLOSURE

1/2" = 1'-0"

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Conroe, TX 77304
Tel: 936.756.3041

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DRAWER | PDK
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HARDSCAPE DETAILS

L1.23

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IRRIGATION LEGEND

SYMBOL	DESCRIPTION
	SHRUB DRIPLINE 0.4 GPH @ 12" O.C.
	TURF ROTARY (TORO, RAIN BIRD)

SYMBOL	MANUFACTURER/MODEL
	Rain Bird RWS-M-B-C 1402

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XCZ-100-PRB-COM Wide Flow Drip Control Kit for Commercial Applications. 1in. Ball Valve with 1in. PESB Valve and 1in. Pressure Regulating 40psi Quick-Check Basket Filter. 5 GPM-20 GPM.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
M1	Water Meter 2"
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Schedule 40

Valve Callout
- #" — Valve Number
- # — Valve Flow
- #" — Valve Size

ZONE SCHEDULE

ZONE	HEAD TYPE	GPM
1	Bubbler	8
2	Bubbler	8
3	Bubbler	8
4	Bubbler	9

SCALE AND NORTH ARROW

0 — 30 ft — 60 ft

SCALE: 1" = 30' - 0"

N

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IRRIGATION PLAN

L2.01

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IRRIGATION NOTES

1. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH AN ELECTRONIC CONTROLLER CAPABLE OF DUAL OR MULTIPLE PROGRAMMING.
2. CONTROLLER(S) SHALL HAVE MULTIPLE CYCLE START CAPACITY AND A FLEXIBLE CALENDAR PROGRAM, INCLUDING THE CAPABILITY OF BEING SET TO WATER EVERY FIVE DAYS.
3. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR SHUT-OFF DEVICE.
4. THE IRRIGATION SYSTEM SHALL BE DESIGNED BY A LICENSED IRRIGATOR.
5. IRRIGATED TURF GRASS AREA IS LIMITED TO 33% OF THE TOTAL LANDSCAPE AREA PROVIDED.
6. TREE IRRIGATION ZONES SHALL NOT SHARE THE SAME IRRIGATION ZONES, INCLUDING VALVES AND CIRCUITS, AS SHRUBS AND PLANT DUE TO DIFFERENT WATERING REQUIREMENTS.
7. A MINIMUM OF ONE (1) BUBBLER SHALL BE PROVIDED FOR ALL NEWLY PLANTED TREES. TREES LARGER THAN THREE INCHES IN CALIPER SIZE SHALL HAVE TWO (2) BUBBLERS. THE BUBBLER(S) SHALL BE INSTALLED AT EACH TREE, LOCATED 12 - 18 INCHES FROM THE TRUNK, AND SHALL OPERATE ON VALVES SEPARATE FROM THE SPRAY ZONES.
8. NO TRENCHING OR BORING SHALL OCCUR WITHIN THE TREE PROTECTION FENCING OR CRZ WITHOUT PRIOR APPROVAL FROM THE CITY ARBORIST OR ADMINISTRATOR.
9. IRRIGATION SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SUBCHAPTER 11 OF THE UNIFIED DEVELOPMENT CODE AND CHAPTER 113. IRRIGATORS.
10. IRRIGATION PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO IRRIGATION INSTALLED AND FINAL SITE INSPECTION.
11. THE IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC WATER PRESSURE ONSITE PRIOR TO CONSTRUCTION. STATIC WATER PRESSURE FOR THE SITE WAS NOT GIVEN AT THE TIME OF THIS DESIGN. THE IRRIGATION SYSTEM FOR THIS SITE IS DESIGNED TO OPERATE WITH THE A PRESSURE WITH SIXTY (60 PSI) POUNDS PER SQUARE INCH. SHOULD DESIGN PRESSURE FOR THE IRRIGATION SYSTEM BE HIGHER THAN THE EXISTING PRESSURE OF THE SITE, THE IRRIGATION CONTRACTOR SHALL NOTIFY THE IRRIGATION DESIGNER.
12. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE IRRIGATION INSTALLATION BEGINS.
13. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS, WHEN IT IS OBVIOUS THAT FIELD OBSTRUCTIONS, UNKNOWN TO THE DESIGNER, MAY NOT HAVE BEEN CONSIDERED IN THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE CONDITIONS, OR ASSUME FULL IRRESPONSIBLE TO NOTIFY THE IRRIGATION DESIGNER OF THE SITE CONDITIONS, OR ASSUME FULL RESPONSIBILITY FOR ANY AND ALL REVISIONS NECESSARY.
14. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED.
15. THE FOLLOWING RAIN-BIRD IVM-SERIES FIELD DEVICES SHALL BE INSTALLED ON THESE IRRIGATION COMPONENTS. LXIVMSD (SURGE DEVICE) SHALL BE INSTALLED WITH GROUND ROD OR PLATE EVERY 500' OR 15 FIELD DEVICES ALONG THE 2-WIRE PATH.
16. THE CONTRACTOR SHALL BE A REGISTERED LICENSED IRRIGATOR OF GOOD STANDING IN THE STATE OF TEXAS.
17. IRRIGATION CONTRACTOR SHALL PROCURE ALL PERMITS, LICENSES, AND GIVE ALL NECESSARY NOTICES THROUGHOUT THE DURATION OF THE PROJECT.
18. ALL ASPECTS OF THE IRRIGATION INSTALLATION SHALL CONFORM WITH GOVERNING AUTHORITIES, CODES, AND ORDINANCES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLANT MATERIAL UPON ACCEPTANCE AND THROUGH THE WARRANTY PERIOD FOR DAMAGE DUE TO IRRIGATION SYSTEM FAILURES.
20. DISTURBED AREAS IN NEED OF TURF ESTABLISHMENT MAY EXIST BEYOND THE COVERAGE LIMITS OF THE PERMANENT IRRIGATION SYSTEM. IN THOSE DISTURBED AREAS, THE CONTRACTOR SHALL DETERMINE THE TEMPORARY MEANS TO GERMINATE/ESTABLISH NECESSARY TURF. THE GENERAL CONTRACTOR IS ENCOURAGED TO BEGIN TURF ESTABLISHMENT IMMEDIATELY UPON FINAL GRADE IN ACCORDANCE WITH AND TO SATISFY THE SWPPP.
21. LOCATION OF MAINLINE AND VALVES ON THIS PLAN MAY BE SHOWN IN THE ROAD FOR CLARITY ONLY. CONTRACTOR IS TO PLACE ALL PIPES AND VALVES BEHIND THE CURB IN LANDSCAPE AREAS WHENEVER POSSIBLE.
22. IRRIGATION CONTRACTOR IS TO COORDINATE LOCATION AND PLACEMENT OF ALL IRRIGATION ITEMS WITH THE GENERAL CONTRACTOR. CONTRACTOR IS TO USE EXTREME CAUTION IN TRENCHING TO AVOID EXISTING AND PROPOSED UTILITIES.
23. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER PIPE SIZES MAY BE APPROVED.
24. TAPPING AND IMPACT FEES: CONTRACTOR SHALL PAY FOR ALL FEES ASSOCIATED WITH TAPPING INTO MUNICIPAL UTILITY MAINS, INCLUDING SANITARY SEWER, NATURAL GAS AND DOMESTIC WATER. IMPACT FEES WILL BE PAID FOR BY THE OWNER.
25. SYSTEM TO USE **ALL PURPLE COMPONENTS**.

STATEMENT OF COVERAGE NOTE

1. THE IRRIGATION LAYOUT IS INTENDED TO SUPPLY LOW-VOLUME DRIP IRRIGATION TO PLANTED BED AREAS AND NARROW TURF SECTIONS. BUBBLERS WILL BE INSTALLED FOR NEWLY PLANTED TREES, WHILE SPRAY HEADS OR ROTORS WILL IRRIGATE THE REMAINING LAWN AREAS. THIS PLAN DOES NOT INCLUDE IRRIGATION COVERAGE BEYOND WHAT IS SPECIFIED.

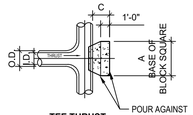
COORDINATION WITH EXISTING TREES NOTES

1. MECHANICAL TRENCHING IS NOT ALLOWED WITHIN THE ROOT ZONES OF EXISTING TREES. EXCAVATION IN THESE AREAS MUST BE PERFORMED MANUALLY. ROOTS WITH A DIAMETER GREATER THAN 1 INCH MUST REMAIN UNDISTURBED. MARK ALL PROPOSED TRENCH LOCATIONS NEAR EXISTING TREES AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT BEFORE STARTING ANY DIGGING.

IRRIGATION SLEEVE NOTES

1. PIPING AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES UNDER PAVING. REFER TO THE IRRIGATION PLANS FOR SLEEVE SIZE AND LOCATION.
2. SLEEVE ELEVATION SHALL BE TWELVE (12") INCHES BELOW TOP OF PAVEMENT.
3. SLEEVES SHALL EXTEND ONE (1') FOOT BEYOND THE EDGE OF PAVEMENT AND BE STAKED FOR LOCATION.
4. ALL SLEEVES SHALL BE SCHEDULE 40 PVC PIPE, CAPPED ON BOTH ENDS, AND SIZED AT LEAST TWO TIMES LARGER THAN THE DIAMETER OF THE PIPE INSIDE THE SLEEVE. SLEEVE LOCATIONS SHALL BE MARKED ONTO THE TOP OF CURB WITH A SAW-CUT OF TWO PARALLEL LINES THAT ARE TWO (2") INCHES LONG AND ONE (1") INCH APART.
5. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF SLEEVES WITH GENERAL CONTRACTOR. THE IRRIGATION CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATIONS ANY SLEEVE WHICH CANNOT BE FOUND DURING INSTALLATION OF IRRIGATION SYSTEM.

NOTE
1. USE POLYETHYLENE WRAP OR EQUAL BETWEEN CONCRETE AND PLUG TO PREVENT CONCRETE FROM STICKING TO PLUG.



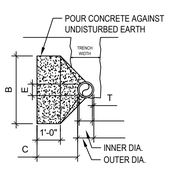
TEE THRUST BLOCK

TEE SCHEDULE				
ID (IN)	THRUST (TONS)	C(FT)	A (FT)	VOLUME (C.Y.)
4,6,8	5.1	1.5	2.5	0.3
10,12	11.3	1.5	3.5	0.6

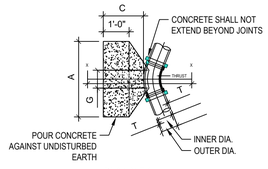
THRUST BLOCK NOTES
1. ALL CALCULATIONS ARE BASED ON INTERNAL PRESSURE 200 PSI. FOR 24" AND SMALLER INNER DIAMETER PIPE.
2. ALL BEARING SURFACES OF THRUST BLOCKS SHALL BE PLACED AGAINST UNDISTURBED EARTH OR ROCK.
3. CONCRETE FOR BLOCKING SHALL BE 2000 PSI.
4. DIMENSIONS MAY BE VARIED AS REQUIRED BY FIELD AND AS DIRECTED BY THE ENGINEER. THE VOLUME OF THE CONCRETE BLOCKING SHALL NOT BE LESS THAN SHOWN HERE.
5. WATER MAIN SHALL NOT BE PRESSURIZED UNTIL ALL CONCRETE BLOCKING HAS REACHED 1500 PSI.

HORIZONTAL THRUST BLOCK SCHEDULE							
BEND	SIZE	A (FT.)	B (FT.)	C (FT.)	E (FT.)	G (FT.)	VOLUME
90°	6,8"	5.0	1.5	1.5	0.9	2.7	0.4
	10,12"	6.5	2.5	1.5	1.2	4.0	1.0
45°	6,8"	2.0	2.0	1.5	0.9	1.5	0.2
	10,12"	3.5	2.5	1.5	1.2	2.2	0.5
22.5°	6,8"	1.5	1.5	1.5	0.9	0.8	0.1
	10,12"	2.0	2.5	1.5	1.2	1.1	0.3
11.25°	6,8"	1.0	1.5	1.5	0.9	0.4	0.1
	10,12"	1.5	1.5	1.5	1.2	0.6	0.1

THRUST BLOCK DETAILS

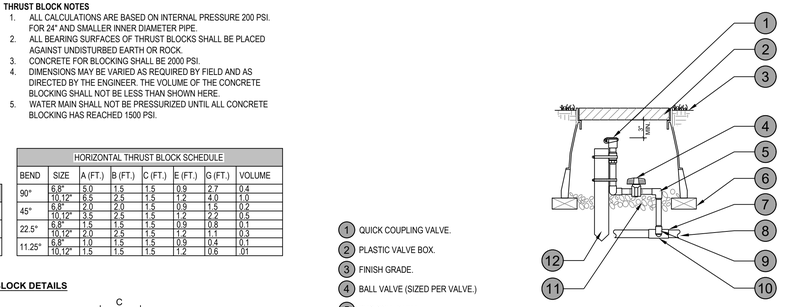


SECTION X-X



PLAN VIEW

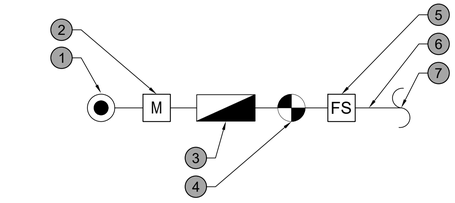
C3 TYPICAL HORIZONTAL THRUST BLOCK
N.T.S.



1. QUICK COUPLING VALVE.
2. PLASTIC VALVE BOX.
3. FINISH GRADE.
4. BALL VALVE (SIZED PER VALVE.)
5. PVC SCH. 40 ELL.
6. BRICK (1 OF 4.)
7. PVC SCH. 80 NIPPL (LENGTH AS REQUIRED.)
8. PVC MAINLINE PIPE.
9. SCH. 80 NIPPLE & SCH. 40 ELL.
10. PVC SCH. 40 TEE OR ELL.
11. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL.
12. 2"X2" TRD. PINE STAKE W/ STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM.

NOTES
1. FURNISH NOMINALLY SIZED BALL VALVE WITHIN SAME BOX & PRIOR TO MAINLINE TEE.
2. FURNISH FITTINGS & PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

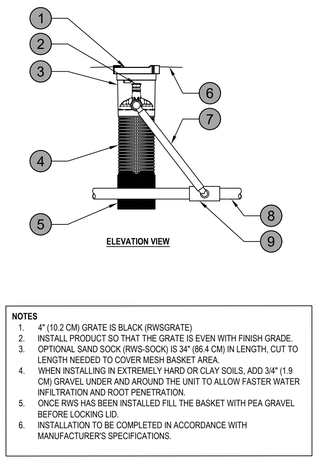
C2 QUICK COUPLER
N.T.S.



1. POINT OF CONNECTION. VERIFY LOCATION IN FIELD
2. WATER METER AS APPROVED PER CITY REQUIEMENTS.
3. BACKFLOW PREVENTION DEVICE AS APPROVED PER CITY REQUIREMENTS.
4. MASTER VALVE.
5. FLOW SENSOR.
6. IRRIGATION MAINLINE (SEE LEGEND FOR SIZE.)
7. TO VALVES.

NOTES
1. SEE IRRIGATION SCHEDULE FOR FULL DETAILS, SIZING, AND REQUIREMENTS.

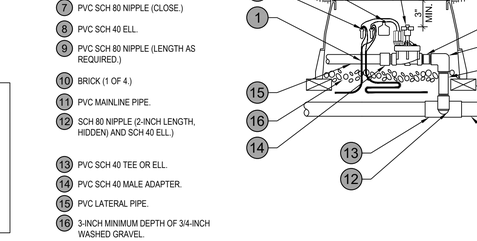
C1 POINT OF CONNECTION
N.T.S.



1. 4" (10.2 CM) LOCKING GRATE (INCLUDED)
2. BUBBLER: RAINBIRD 1402 0.5 GPH (1.9 L/M) (INCLUDED)
3. RAINBIRD RWS-M-B-C-1402 (INCLUDES RETAINER, 18") (45.7 CM) TUBE, 0.5 GPM (1.9 L/M) BUBBLER, 4" (10.2 CM) GRATE, 1/2" (1.3 CM) M NPT INLET SPIRAL BARB ELBOW.)
4. 4" (10.2 CM) WIDE X 18" (45.7 CM) LONG RIGID BASKET WEAVE CANISTER (INCLUDED)
5. OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS
6. FINISH GRADE/TOP OF MULCH
7. 1/2" (1.3 CM) SWING ASSEMBLY: RAINBIRD SA-125050 OR 1/2" (1.3 CM) SWING PIPE: RAINBIRD SP SERIES WITH 1/2" (1.3 CM) MALE NPT X 0.490" BARB ELBOW: RAINBIRD SBE-050.
8. PVC OR POLYETHYLENE LATERAL PIPE
9. PVC SCH. 40 TEE OR EL

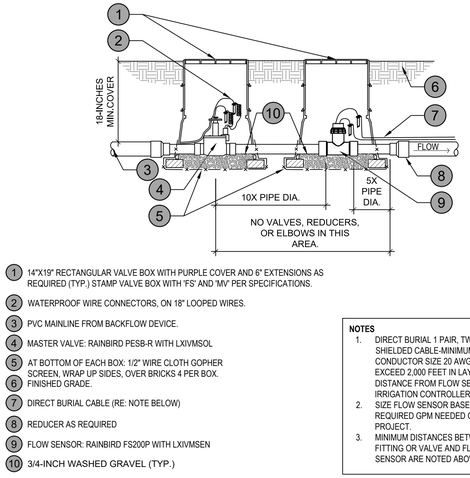
NOTES
1. 4" (10.2 CM) GRATE IS BLACK (RWSGRATE)
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE.
3. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" (86.4 CM) IN LENGTH, CUT TO LENGTH NEEDED TO COVER MESH BASKET AREA.
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.
6. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

B3 BUBBLER: ROOT WATERING SYSTEM
N.T.S.



1. 30-INCH LENGTH OF WIRING.
2. WATERPROOF CONNECTION RAINBIRD WC20 (TWO REQUIRED.)
3. ID TAG: RAINBIRD VID SERIES.
4. REMOTE CONTROL VALVE: RAINBIRD PEB
5. PLASTIC VALVE BOX WITH PURPLE LOCKING COVER.
6. FINISH GRADE/ TOP OF MULCH.
7. PVC SCH 80 NIPPLE (CLOSE.)
8. PVC SCH 40 ELL.
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED.)
10. BRICK (1 OF 4.)
11. PVC MAINLINE PIPE.
12. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL.)
13. PVC SCH 40 TEE OR ELL.
14. PVC SCH 40 MALE ADAPTER.
15. PVC LATERAL PIPE.
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL.

B2 REMOTE CONTROL VALVE
N.T.S.



C.C.F.N. 2006040769
O.P.R.B.C.T.

PROPERTY LINE (TYP.)

LIMITS OF WORK (TYP.)

NATIVE TRAIL MIX

HYDROSEED

(1) AMERICAN SYCAMORE
(1) BALD CYPRESS

(1) LOBLOLLY PINE

ARTIFICIAL TURF BERM

5'-0"

EXISTING TREE TO REMAIN (TYP.)
DO NOT DISTURB

(1) TEXAS RED OAK

EXISTING SWALE

SOD BERM (TYP.)

PLAYGROUND

SPLASHPAD

PROPOSED RESTROOM AND PAVILION REF. ARCH

(1) BALD CYPRESS
(7) BALD CYPRESS
(1) BALD CYPRESS

(1) BURR OAK
(1) TEXAS RED OAK

SOD

(2) CHASTE TREE
DUMPSTER ENCLOSURE

(1) BURR OAK
(1) AMERICAN SYCAMORE
(2) CHASTE TREE

(1) BALD CYPRESS

PROPOSED PARKING

(1) AMERICAN SYCAMORE

(2) LOBLOLLY PINE

(3) CHASTE TREE
(1) BALD CYPRESS

(1) BURR OAK

(1) TEXAS RED OAK
(2) CHASTE TREE
(7) COMPACT TEXAS SAGE

PARK ENTRY SIGN

12 W

CEMETERY RD.

CALLED
VOL. 9
D.

.8687 ACRES
19990033O5
R.B.C.T.

PLANT LEGEND

SYMBOL	COMMON / BOTANICAL NAME
TREES	
	BURR OAK Quercus macrocarpa
DECIDUOUS LARGE TREES	
	AMERICAN SYCAMORE Platanus occidentalis
	BALD CYPRESS Taxodium distichum
	TEXAS RED OAK Quercus buckleyi
DECIDUOUS SMALL TREES	
	CHASTE TREE Vitex agnus-castus
SEMI - EVERGREEN LARGE TREES	
	LOBLOLLY PINE Pinus taeda
LARGE SHRUBS	
	TEXAS SAGE Leucophyllum frutescens
SEED MIX	
	NATIVE TRAIL MIX (SEED)
SOD/HYDROSEED	
	(HYDROSEED) COMMON BERMUDA Cynodon dactylon
	(SOD) BERMUDAGRASS Cynodon dactylon

BURDITT
Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

THIS PROJECT & THE IDEAS HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT & IS NOT TO BE USED IN WHOLE OR IN PART, WITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC.

ISSUANCE:

CONSTRUCTION DOCUMENT

SEAL:

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW, AGENCY APPROVAL, AND COMMENT UNDER THE AUTHORITY OF CLAUDIA T. WALKER, RLA
LANDSCAPE ARCHITECT No. 2987, ON 10/15/25
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
01	50% DD	06/09/2025
02	90% DD	07/22/2025
03	100% DD	08/19/2025
04	60% CD	10/14/2025

SCALE AND NORTH ARROW

0 30 ft 60 ft

SCALE: 1" = 30' - 0"

N

PLANTING PLAN

L3.01

104

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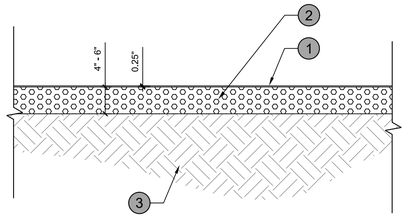
FILE PATH: Q:\SHARED DRIVES\CLIENTS_A-F\ANGLETON\ABIGAIL ARIAS PARK\7000 CONSTRUCTION DOCUMENTS\97030 DRAWINGS\PLANT - PLAN.DWG | LAST SAVE DATE: 10/15/2025 11:51:08 AM | LAST SAVED BY: avalbuena

PLANT SCHEDULE

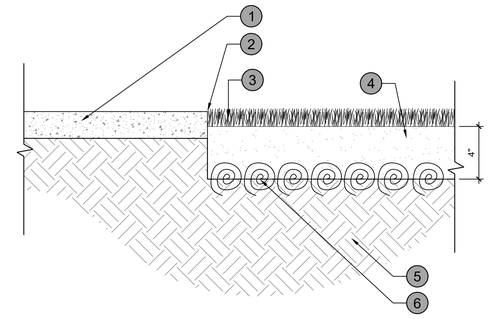
SYMBOL	QTY	DETAIL	COMMON NAME	BOTANICAL NAME	CONT.	CAL.	HEIGHT	SPREAD		REMARKS
TREES										
	3	A2/L3.21	BURR OAK	Quercus macrocarpa	45 GAL.	2.5-3" MIN.	10' - 12' Min.	5' - 6' Min.		CONTAINER GROWN, SINGLE TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION.
DECIDUOUS LARGE TREES										
	3	A2/L3.21	AMERICAN SYCAMORE	Platanus occidentalis	45 GAL.	2.5-3" MIN.	10' - 12' Min.	5' - 6' Min.		CONTAINER GROWN, SINGLE TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION.
	12	A2/L3.21	BALD CYRESS	Taxodium distichum	30 GAL.	2" - 2 1/2" MIN.	8' - 10' Min.	4' - 5' Min.		CONTAINER GROWN, SINGLE TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION.
	3	A2/L3.21	TEXAS RED OAK	Quercus buckleyi	45 GAL.	2.5-3" MIN.	10' - 12' Min.	5' - 6' Min.		CONTAINER GROWN, SINGLE TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION.
DECIDUOUS SMALL TREES										
	9	A2/L3.21	CHASTE TREE	Vitex agnus-castus	30 GAL.	2.5-3" MIN.	8' - 10' Min.	4' - 5' Min.		CONTAINER GROWN, MULTI TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION. 3 TRUNKS.
SEMI - EVERGREEN LARGE TREES										
	3	A2/L3.21	LOBLOLLY PINE	Pinus taeda	45 GAL.	2" - 2 1/2" MIN.	8' - 10' Min.	8' - 10' Min.		CONTAINER GROWN, SINGLE TRUNK, DISEASE FREE AND IN VIGOROUS CONDITION.
SYMBOL	QTY	DETAIL	COMMON NAME	BOTANICAL NAME	CONT.	HEIGHT	SPREAD		SPACING	REMARKS
LARGE SHRUBS										
	7	A3/L3.21	TEXAS SAGE	Leucophyllum frutescens	3 GAL.	PER GAL.	12" Min.		42" o.c.	
SYMBOL	QTY	DETAIL	COMMON NAME	BOTANICAL NAME	SIZE	HEIGHT	SPREAD		SPACING	REMARKS
SEED MIX										
	24,176 sf		NATIVE TRAIL MIX (SEED)		SQ/FT					AREA OF APPLICATION TO BE CLEANED AND REMOVE ANY DEBRIS AND SOIL CLUMPS LARGER THAN 3" IN DIAMETER. REFERENCE SEEDSOURCE.COM FOR DESCRIPTION, PLANTING, AND SEED COVERAGE. REFERENCE LANDSCAPE SPECIFICATIONS.
SOD/HYDROSEED										
	99,294 sf	C2/L3.21	(HYDROSEED) COMMON BERMUDA	Cynodon dactylon	SQ/FT					CLEANED OF ANY DEBRIS. FULL AND WEED FREE. APPLY IN ALL DISTURBED AREAS.
	160,030 sf	C1/L3.21	(SOD) BERMUDAGRASS	Cynodon dactylon	Sod	-	-			CLEANED OF ANY DEBRIS. FULL AND WEED FREE. SOLID SOD MINIMUM 3' WIDE ALONG ALL IMPERVIOUS AREAS UNLESS SPECIFIED ON PLANS.



1. HYDROSEED SLURRY LAYER (SEED + MULCH + BINDER)
2. PREPARE TOPSOIL (4" - 6" DEPTH, FINE GRADED AND COMPACTED
3. SUBGRADE

NOTES
1. GRADE SMOOTH, FIRM, AND FREE OF RUTS. ENSURE POSITIVE DRAINAGE
2. REMOVE SOIL CLUMPS BIGGER THAN 3"

C2 HYDROSEED DETAIL
1/16" = 1'-0"



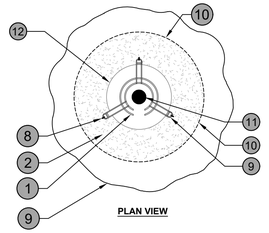
1. ADJACENT CONCRETE
2. TOP OF SOD TO BE FLUSH WITH TOP AND PAVEMENT
3. GRASS SOD
4. TOPSOIL
5. SUBGRADE
6. TILL SUBSOIL TO A DEPTH OF 6"

C1 SOD DETAIL
N.T.S.

SECTION

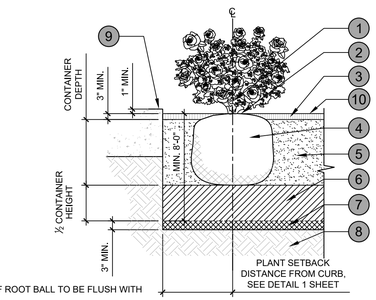
ROOT ANCHOR ITEM#	ROOT BALL & CONTAINER SIZE	QUANTITY & ANCHOR SIZE
15-BG	10 / 15 Gallon or 17" root ball	3 - V68 Anchors
30-BG	20 / 39 Gallon or 22" root ball	3 - V68 Anchors
45/65-BG	45 / 65 Gallon or 27-30" root ball	3 - V68 Anchors

1. TREE STAKE SOLUTIONS
2. 3" MULCH RING SAUCER
3. PLACE TOP OF ROOT BALL MINIMUM 1"- MAXIMUM 2" ABOVE EXISTING GRADE
4. CONTAINER WIDTH DIAMETER PLUS 24"
5. BACKFILL WITH 50% SOIL MIX AND 50% NATIVE SOIL
6. UNDISTURBED SOIL
7. BREAK THROUGH AND REMOVE ANY EXISTING "HARDPAN" AS NEEDED TO PROVIDE POSITIVE PERCOLATION AND DRAINAGE
8. "S" HOOK
9. TREE CANOPY
10. LIMIT OF HOLE (CONTAINER PLUS 24")
11. TREE TRUNK
12. LIMIT OF ROOT BALL
13. TOP OF GRADE



PLAN VIEW

NOTES
1. STEEL T-POSTS ARE NOT AN APPROVED ALTERNATE AND ARE SUBJECT TO REMOVAL WITHOUT PRIOR APPROVAL FROM THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REMOVAL AND REPLACEMENT OF UNAPPROVED MATERIALS.
2. CONTACT INFO: TREE STAKE SOLUTIONS, LLC
   9973 FM 521 ROAD
   ROSHARON, TEXAS 77583
   WWW.TREESTAKESOLUTIONS.COM



1. PLANT
2. TOP OF ROOT BALL TO BE FLUSH WITH GRADE
3. 3" SHREDDED HARDWOOD MULCH
4. ROOT BALL
5. PLANTING MIX PER SOILS ANALYSIS
6. COMPACTED PREPARED PLANTING MIX 50% WITH PARENT MATERIAL 50%
7. 3" SCARIFIATION LAYER
8. UNDISTURBED SOIL
9. CONCRETE CURB OR SIDEWALK (IF APPLICABLE)
10. TOP OF GRADE

NOTES
1. CONTRACTOR SHALL SUPPLY COPY OF SOIL ANALYSIS AND SOIL MIX SAMPLE TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

A3 SHRUB PLANTING
N.T.S.

A2 TREE STAKE SOLUTIONS
N.T.S.

LANDSCAPE NOTES

1. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES OR ANY CONDITION WHICH MAY PROHIBIT THE INSTALLATION AS SHOWN.
2. VERIFY AND LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION BEGINS. PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL LANDSCAPE PLANTING AREAS: TO OBTAIN FINAL GRADE, EXCAVATION MAY BE NECESSARY TO ACCEPT THE REQUIRED DEPTH OF TOPSOIL/COMPOST MIX WITH SURFACE DRESSING OR MULCH. ALL BEDS SHALL BE CROWNED TO ANTICIPATE SETTLEMENT AND ENSURE DRAINAGE WITHOUT DISRUPTING SURROUNDING PLANNED DRAINAGE PATHS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. ALL NEWLY PLANTED LANDSCAPED AREAS WILL BE IRRIGATED WITH AN UNDERGROUND AUTOMATIC SYSTEM.
5. QUANTITIES SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. PLANT SPACING IS AS INDICATED IN THE PLANT MATERIAL LIST UNLESS OTHERWISE NOTED. THE CONTRACTOR HAS FULL RESPONSIBILITY TO PROVIDE COVERAGE IN ALL PLANTING AREAS AS SPECIFIED.
6. ALL TREES, SHRUBS, AND GROUNDCOVERS SHALL BE INSTALLED PER PLANTING DETAILS.
7. TREES SHALL BE PLANTED AT LEAST FIVE FEET (5'-0") FROM ANY UTILITY LINE OR SIDEWALK, AND TO THE OUTSIDE OF UTILITY EASEMENTS WITH A CLEAR TEN FEET (10'-0") AROUND FIRE HYDRANTS. SHRUBS, REGARDLESS OF TYPE, SHALL NOT BE PLANTED WITHIN THIRTY INCHES (30") OF BED PERIMETERS.

PLANTING NOTES

8. FOR EROSION CONTROL THROUGHOUT THE PROJECT AND THE MAINTENANCE PERIOD FOR TURFGRASS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE TOPSOIL IN PLACE AT SPECIFIED GRADES. TOPSOIL AND TURFGRASS LOSSES DUE TO EROSION WILL BE REPLACED BY THE CONTRACTOR UNTIL ESTABLISHMENT AND ACCEPTANCE IS ACHIEVED.
9. CONTRACTOR TO HYDROSEED ALL DISTURBED AREAS.
10. FOR SOIL PREPARATION ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION, EXCEPT THOSE OCCUPIED BY BUILDINGS, STRUCTURES, OR PAVING SHALL BE GRADED SMOOTH AND FOUR INCHES (4") OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ONSITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL AS APPROVED BY THE OWNER. THE AREA SHALL BE DRESSED TO TYPICAL SECTIONS AND PLOWED TO A DEPTH OF FIVE INCHES (5"). SOIL SHALL BE FURTHER PREPARED BY THE REMOVAL OF DEBRIS, WEEDS AND STONES LARGER THAN 3/4 INCH IN DIAMETER. AFTER TILLAGE AND CLEANING, ALL AREAS TO RECEIVE TURF SHALL BE LEVELED, FINE GRADED, AND DRUG WITH A WEIGHTED SPIKE HARROW OR FLOAT DRAG.
11. TURFGRASS SOD SHALL BE AS PER LANDSCAPE PLAN. SOD SHALL CONSIST OF STOLONS, LEAF BLADES, RHIZOMES AND ROOTS WITH A HEALTHY, VIRILE SYSTEM OF DENSE, THICKLY MATTED ROOTS THROUGHOUT THE SOIL OF THE SOD FOR A THICKNESS NOT LESS THAN THREE-QUARTERS (3/4") INCH. SOD SHALL BE ALIVE, HEALTHY, VIGOROUS, FREE OF INSECTS, DISEASE, STONES, AND UNDESIRABLE FOREIGN MATERIALS AND GRASSES. THE GRASS SHALL HAVE BEEN MOWED PRIOR TO SOD CUTTING SO THAT THE HEIGHT OF GRASS SHALL NOT EXCEED TWO INCHES (2"). SOD SHALL HAVE BEEN PRODUCED ON GROWING BEDS OF CLAY-LOAM TOPSOIL. SOD SHALL NOT BE HARVESTED OR PLANTED WHEN ITS MOISTURE CONDITION IS SO EXCESSIVELY WET OR DRY THAT ITS SURVIVAL WILL BE AFFECTED. ALL SOD IS TO BE HARVESTED, DELIVERED, AND PLANTED WITHIN A THIRTY-SIX (36) HOUR PERIOD OF TIME. SOD SHALL BE PROTECTED FROM EXPOSURE TO WIND, SUN, AND FREEZING. SHOULD INSTALLATION OCCUR BETWEEN NOVEMBER AND MARCH, SOD SHALL INCLUDE AN OVER-SEED OF ANNUAL RYE FOR A GROWN-IN APPEARANCE.
12. IN THE ABSENCE OF AN IRRIGATION SYSTEM OR AREAS BEYOND THE COVERAGE LIMITS OF A PERMANENT IRRIGATION SYSTEM, CONTRACTOR SHALL WATER SOD TEMPORARILY TO DEVELOP ADEQUATE GROWTH AND ESTABLISHMENT BEFORE REGULAR MAINTENANCE BEGINS. TURF SHALL BE WATERED UNTIL FIRMLY ESTABLISHED.
13. WATER SHALL BE FURNISHED BY THE CONTRACTOR WITH MEANS AND METHODS AVAILABLE TO ACHIEVE ACCEPTABLE TURF. THE WATER SOURCE SHALL BE CLEAN AND FREE OF INDUSTRIAL WASTES OR OTHER SUBSTANCES HARMFUL TO THE GROWTH OF THE TURF.
14. VEGETATION SHOULD BE INSPECTED REGULARLY TO ENSURE THAT PLANT MATERIAL IS ESTABLISHED PROPERLY AND REMAINS HEALTHY. MOWING, TRIMMING AND SUPERVISION OF WATER APPLICATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER OR OWNER'S REPRESENTATIVE ACCEPTS AND ASSUMES REGULAR MAINTENANCE.
15. TOPSOIL SALVAGED FROM THE SITE MAY BE USED PROVIDED IT MEETS THE BELOW SPECIFICATIONS AS DESCRIBED.
16. TOPSOIL SHALL BE A CLEANED SANDY LOAM. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SOILS AND SHALL CONTAIN NO ROOTS, GRAVEL, ROCKS, AND UNDESIRABLE OBJECTS.
17. THE SUBSOIL SHALL BE TILLED TO A MINIMUM DEPTH OF SIX INCHES (6") BEFORE PLACEMENT OF TOPSOIL.
18. MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES DURING TOPSOILING AND AFTER UNTIL ESTABLISHMENT OF GRASS.
19. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4 INCHES.
20. ANY IRREGULARITIES IN THE SURFACE SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS.
21. TOPSOIL SHALL NOT BE PLACED WHILE TOPSOIL IS IN A FROZEN OR MUDDY CONDITION AND WHILE SUBSOIL IS EXCESSIVELY WET.

A1 PLANTING GENERAL NOTES

BURDITT Land | Place
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041

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ISSUANCE:

CONSTRUCTION DOCUMENT

SEAL:

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF INTERIM REVIEW, AGENCY APPROVAL, AND COMMENT UNDER THE AUTHORITY OF CLAUDIA T. WALKER, RLA
LANDSCAPE ARCHITECT No. 2987, ON 10/15/25
THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES

10/14/2025

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. 1514.003

301 CEMETERY ROAD ANGLETON TX, 77515

1 INCH

IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

DESIGNER | PDK, CTW
DRAWER | PDK
CHECKER | CTW

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
01	50% DD	06/09/2025
02	90% DD	07/22/2025
03	100% DD	08/19/2025
04	60% CD	10/14/2025

PLANTING DETAILS

L3.21

105

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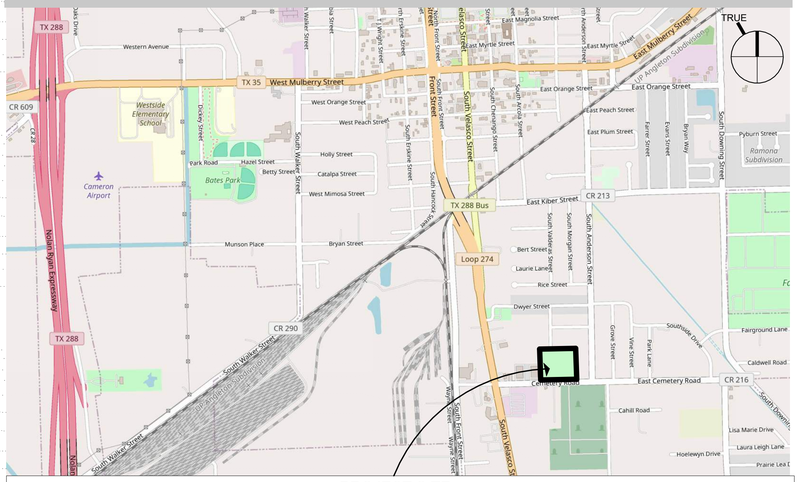
FILE PATH: O:\SHARED DRIVE\CLIENTS_A-PANGLETON\ABIGAIL ARIAS PARK\7000 CONSTRUCTION DOCUMENTS\7030 DRAWINGS\PLANT - PLAN.DWG | LAST SAVE DATE: 10/15/2025 11:51:06 AM | LAST SAVED BY: avalbuena

PROJECT LOCATION



PROJECT SITE

ABIGAIL ARIAS PARK

GENERAL NOTES

1. THE CONTRACTOR SHALL VIEW ALL DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. AND INFORM THE ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS AND OBTAIN CLARIFICATION PRIOR TO THE SUBMISSION OF THE BID.

2. EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE ASSUMED BY THE ARCHITECT BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DEVIATION OR CONFLICTS.

3. THESE DRAWINGS SHALL NOT BE SCALED. DRAWINGS HAVE BEEN DIMENSIONED IN ORDER TO ESTABLISH THE CONTROL AND GUIDELINES FOR FIELD LAYOUT. THE CONTRACTOR IS TO REFER TO THE DIMENSIONS INDICATED OR THE ACTUAL SIZES OF CONSTRUCTION ITEMS. WHERE A DISCREPANCY EXISTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT.

4. DETAILS ARE KEYED WITH ASSOCIATED NOTES. THE DETAILS ARE TYPICAL FOR SIMILAR LOCATIONS. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF ALL TYPICAL DETAILS AND INSTALL WORK ACCORDINGLY.

5. THE CONTRACTOR SHALL NOTIFY THE OWNER TEN (10) WORKING DAYS IN ADVANCE OF STARTING CONSTRUCTION AND SHALL COORDINATE NECESSARY INSPECTIONS THROUGHOUT FINAL APPROVAL AND OCCUPANCY.

6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES

7. ANY DAMAGE TO EXISTING FACILITIES, ELEMENTS, FEATURES, AND IMPROVEMENTS, RESULTING FROM THE CONTRACTOR'S OPERATION, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

8. CONTRACTOR SHALL EXPOSE, VERIFY, CONNECT AND MATCH EXISTING UTILITIES AND IMPROVEMENTS, IN CONFORMANCE WITH THE INTENT OF THESE PLANS AND SPECIFICATIONS, TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.

9. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL COORDINATE AND ACCOMMODATE OTHER CONTRACTORS OR OPERATIONS OF THE OWNER.

10. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION, DOMESTIC ANIMALS, AND CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS.

11. CONTRACTOR SHALL RESTRICT ALL OPERATIONS WITHIN THE PROJECT BOUNDARIES. ANY DISRUPTION TO LANDSCAPES, OUTSIDE OF PROJECT BOUNDARIES SHALL BE RESTORED BY THE CONTRACTOR AT NO COST TO THE OWNER.

12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT "UNDERGROUND LOCATE SERVICE" AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, OIL, CABLE TV, DATA, AND TELEPHONE FACILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.

13. VERIFY IN FIELD (V.I.F.): IT IS THE CONTRACTOR `S RESPONSIBILITY TO FIELD VERIFY PORTIONS OF THE WORK PRIOR TO COMPLETION OF SUBMITTALS FOR FUTURE PORTIONS OF THE WORK. FAILURE TO FIELD VERIFY DIMENSIONS RESULTING IN NON-CONFORMING WORK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

14. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING PLACED AT THE DRIPLINE OF CANOPY.

15. THE CONTRACT DOCUMENTS ARE COMPREHENSIVE AS A WHOLE AND THE CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS IN DRAWINGS, SPECIFICATIONS, REGULATORY REQUIREMENTS, AND ADDENDA.

16. CORRELATION AND INTENT OF CONTRACT DOCUMENTS:

17. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.

18. IF A CONFLICT, ERROR, OMISSION, OR LACK OF DETAILED DESCRIPTION IS DISCOVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND REQUEST CLARIFICATION. THE ARCHITECT WILL RESOLVE THE CONFLICT AND MAKE ANY CORRECTIONS OR INTERPRETATIONS NECESSARY TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS.

19. WHERE NOTES REFERENCE OTHER DISCIPLINES, SUCH AS:

(RE:STRUCTURAL), (RE: CIVIL), (RE: LANDSCAPE),(RE: MEP), (RE: MECHANICAL), (RE: PLUMBING), (RE: ELECTRICAL), (RE: TECHNOLOGY), (RE: SECURITY), ETC., REFER TO ENGINEER'S DRAWINGS AND/OR SPECIFICATIONS FOR ADDITIONAL DETAILS AND INFORMATION. ITEMS SO NOTED ARE TO BE INCLUDED IN THE CONTRACT WHETHER OR NOT ENGINEER'S DRAWINGS AND SPECIFICATIONS CONTAIN ADDITIONAL INFORMATION OR REQUIREMENTS FOR EACH SPECIFIC ITEM NOTED. UPON FINDING A DISCREPENCY OR APPARENT LACK OF COORDINATING INFORMATION IN ENGINEER'S DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL REQUEST ADDITIONAL INFORMATION FROM ARCHITECT IN ADVANCE TO AVOID COST OR TIME IMPACT.

UTILITY PROVIDERS

CODE INFORMATION

DRAWING SYMBOLS LEGEND

NEW PARTITION

EXISTING PARTITION

DEMOLISHED PARTITION

PARTIAL HEIGHT PARTITION

TEMPORARY PARTITION

LEVEL LINE — NAME OF LEVEL / ELEVATION

GRID LINE — #

DOOR NUMBER — (000)

WALL TYPE — A0-A

WINDOW TYPE — A

NOTE TYPE — A

REVISION — A

ROOM FINISH LEGEND

ROOM NAME ###

N	W-#	E	W-#
S	W-#	W	W-#
F	F-#	B	B-#

WALL FINISHES

FLOOR FINISH

BASE TYPE

ROOM CEILING LEGEND

ROOM NAME ###

CEILING TYPE/FINISH — C | C-#

MODEL ###

WIDTH — #'

DEPTH — #'

HEIGHT — #"

VIEW REVERENCE — # / A###

BUILDING SECTION — VIEW NUMBER / SHEET NUMBER — 1 / A#.##

WALL SECTION — 1 / A#.##

VIEW REFERENCE SUFFIXES:
- SIM (SIMILAR)
- O.H. (OPPOSITE HAND)
- TYP (TYPICAL)

SECTION DETAIL — 1 / A#.##

ENLARGED CALLOUT — 1 / A#.##

EXTERIOR ELEVATION — 1 / A#.##

INTERIOR ELEVATION — # / A###

PROJECT DESCRIPTION

RESTROOM PAVILION BUILDING FOR NEWLY DEVELOPED PARK IN THE CITY OF ANGLETON. BUILDING CONSTRUCTED WITH CONCRETE MASONRY UNITS, WOOD LUMBER, AND ARCHITECTURALLY EXPOSED STRUCTURAL STEEL. PROGRAM INCLUDES 2 TOILET ROOMS, 1 FOR MEN, 1 FOR WOMEN.

ABBREVIATIONS

AD	AREA DRAIN	D.P.	DAMP PROOFING	GB	GRAB BAR	MFR	MANUFACTURER	S.S.	STAINLESS STEEL
AFF	ABOVE FINISH FLOOR	D.S.	DOWNSPOUT	G.C.	GENERAL CONTRACTOR	MO	MASONRY OPENING	SAN.	SANITARY
A.P.	ACCESS PANEL	DBL.	DOUBLE	GA	GAUGE.	MIN	MINIMUM	SCHED	SCHEDULE
A/C	AIR CONDITIONING	DEMO.	DEMOLITION	GALV	GALVANIZED	MIR	MIRROR	SEC	SECURITY
ABV.	ABOVE	DEPT.	DEPARTMENT	GFRG	GLASS FIBER REINFORCED GYPSUM	MISC	MISCELLANEOUS	SECT	SECTION
ACOUS.	ACOUSTICAL	DET. / DTL	DETAIL	GL	GLASS	MNTD	MOUNTED	SEW	SEWER
ACP.	ACOUSTICAL CEILING PANEL	DIA. / DIAM.	DIAMETER	GND	GROUND	MTL	METAL	SGL	SINGLE
ADDTL.	ADDITIONAL	DIM.	DIMENSION	GR	GRADE	MUL	MULLION	SHT	SHEET
ADJ.	ADJUSTABLE OR ADJACENT	DISP.	DISPENSER	GRN	GRANITE			SHWR	SHOWER
AL	ALUMINUM	DN	DOWN	GSW	GYPSUM SHAFT WALL	N	NORTH	SIM	SIMILAR
ANCH	ANCHOR	DR.	DOOR	GYP. BD.	GYPSUM BOARD	NIC	NOT IN CONTRACT	SPEC	SPECIFICATIONS
APPROX.	APPROXIMATE	DRN.	DRAIN			NTS	NOT TO SCALE	SPKR	SPEAKER
ARCH	ARCHITECTURAL	DWG	DRAWING	H.B.	HOSE BIB	NO	NUMBER	SQ	SQUARE
ASPH.	ASPHALT	DWGS	DRAWINGS	H.C.	HOLLOW CORE	NOM	NOMINAL	SQ.FT. / SF	SQUARE FOOT
ASSY.	ASSEMBLY	DWR.	DRAWER	H.K.	HOUSEKEEPING			SQ.YD. / SY	SQUARE YARD
ATC	ACOUSTICAL CEILING TILE			H.M.	HOLLOW METAL	OC	ON CENTER	STA	STATION
AUTO.	AUTOMATIC	E	EAST	HCP	HANDICAPPED	OCEW	ON CENTER EACH WAY	STD	STANDARD
AWC	ACOUSTICAL WALL PANELS	EJ	EXPANSION JOINT	HD	HAND	OD	OUTSIDE DIAMETER/DIMENSION	STL	STEEL
		E.S.	EXPOSED STRUCTURE	HDW	HARDWARE	OFF	OFFICE	STOR	STORAGE
BL	BUILDING LINE	E.W.	EACH WAY	HDWD	HARDWOOD	OPNG	OPENING	STRUCT.	STRUCTURE OR STRUCTURAL
BO	BOTTOM OF	E.W.C.	ELECTRIC WATER COOLER	HNDRL	HANDRAIL	OPP	OPPOSITE	SUSP.	SUSPENDED
BD	BOARD	EA	EACH	HORIZ	HORIZONTAL	OPP. HD	OPPOSITE HAND	SYM	SYMMETRICAL
BLDG.	BUILDING	EL / ELEV	ELEVATION	HR	HORIZONTAL	OPCI	OWNER PROVIDED CONTRACTOR INSTALLED		
BLK.	BLOCK	ELEC.	ELECTRICAL	HT.	HEIGHT	OPOI	OWNER PROVIDED OWNER INSTALLED	TG	TOUNGUE & GROOVE
BM.	BEAM	EMERG	EMERGENCY	HVAC	HEATING, VENTILATION, AIR CONDITIONING	OVHD.	OVERHEAD	T	TREAD
BOT.	BOTTOM	ENCL.	ENCLOSURE			OZ	OUNCE	T OR TEMP	TEMPERED
BRK.	BREAK	EQ	EQUAL	I.D.	INSIDE DIAMETER/DIMENSION			TOC	TOP OF CONCRETE
BRKT	BRACKET	EQUIP.	EQUIPMENT	IN	INCH	P.C.	PRECAST	TOCMU	TOP OF CMU
BSMT.	BASEMENT	EXIST.	EXISTING	INCL.	INCLUDE	PLAM	PLASTIC LAMINATE	TOD	TOP OF DECK
BTWN.	BETWEEN	EXPAN	EXPANSION	INFO.	INFORMATION	PAV.	PAVING	TOP	TOP OF PARAPET
		EXT.	EXTERIOR	INSUL.	INSULATION	PC.	PIECE	TOS	TOP OF STEEL
CB	CATCH BASIN			INT	INTERIOR	PL.	PLATE	TOSS	TOP OF STRUCTURAL SLAB
C.G.	CORNER GUARD	FA	FIRE ALARM	INV	INVERT	PLAS	PLASTIC	T.V.	TELEVISION
C.I.	CAST IRON	F.D.	FLOOR DRAIN			PLBG	PLUMBING	TEL	TELEPHONE
C.I.P.	CAST IN PLACE	F.E.	FIRE EXTINGUISHER	JAN CLO	JANITOR CLOSET	PLYWD.	PLYWOOD	THK	THICK
C.J.	CONTROL JOINT	F.E.C.	FIRE EXTINGUISHER CABINET	JAN.	JANITOR	PMMP	PREMANUFACTURED METAL PANEL	TLT	TOILET
C.O.	CLEAR OPENING	FF	FINISH FLOOR	JST	JOIST	PNT	PAINT	TYP	TYPICAL
C.T.	CERAMIC TILE	F.H.C.	FIRE HOSE CABINET	JT	JOINT	POL	POLISHED		
CAB.	CABINET	F.HT.	FULL HEIGHT	J-BOX	JUNCTION BOX	PR	PAIR	UNO	UNLESS NOTED OTHERWISE
CER.	CERAMIC	F.O.C.	FACE OF CONCRETE			PRCST	PRECAST	UNF	UNFINISHED
CFMF	COLD FORMED METAL FRAMING	F.O.F.	FACE OF FINISH	L	LEG	PREMANUF.	PREMANUFACTURED	UR	URINAL
CLG.	CEILING	F.O.S.	FACE OF STUD	LAB	LABORATORY	PR.	POINT		
CLO.	CLOSET	F.S.	FULL SIZE	LAM	LAMINATE	PTD	PAINTED	VIF	VERIFY IN FIELD
CLR.	CLEAR	F.V.C.	FIRE VALVE CABINET	LAND.	LANDSCAPE	PTN	PARTITION	VB	VAPOR BARRIER
CMU	CONCRETE MASONRY UNIT	FDN.	FOUNDATION	LAV. / LV	LAVATORY			VERT.	VERTICAL
CONT.	CONTINUOUS	FIN	FINISH	LKR.	LOCKER	RE.	REFERENCE	VEST	VESTIBULE
COL.	COLUMN	FL	FLOOR	LT.	LIGHT	REFG	REFRIGERATOR		
CONC.	CONCRETE	FLASH	FLASHING			REINF	REINFORCED	W	WEST
CONN.	CONNECTION	FLUOR.	FLORESCENT	M	METER	REQ	REQUIRED	WB	WIND BRACE
CONST.	CONSTRUCTION	FPRF	FIREPROOFING	M.H.	MAN HOLE	RESIL	RESILIENT	WC	WATER CLOSET
CORR	CORRIDOR	FR	FRAME	MAS.	MASONRY	REV	REVISION	WI	WITH
CPT	CARPET	FRD.	FUR-DOWN	MATL	MATERIAL			W/O	WITHOUT
CPTT	CARPET TILE	FRP	FIBERGLASS REINFORCED PLASTIC	MAX	MAXIMUM	RL	REFLECTED	WD	WOOD
CS	CRAWLSPACE	FSTNR.	FASTENER	MBL.	MARBLE	RM	ROOM	WDW	WINDOW
CTR.	CENTER	FT.	FEET	MECH	MECHANICAL	RO	ROUGH OPENING	WR/GB	WATER RESISTANT GYP. BOARD
CTRL	CONTROL	FTG.	FOOTING	MEMB	MEMBRANE			WSCT	WAINSCOT
		FURR	FURRING	MEP	MECHANICAL, ELECTRICAL, PLUMBING	S	SOUTH	WT	WEIGHT
D.F.	DRINKING FOUNTAIN	FUT.	FUTURE			S.C.	SOLID CORE	WP	WORKING POINT
D.O.	DOOR OPENING	FV	FIELD VERIFY			S.H.	SPRINKLER HEAD		

BID ALTERNATES

48 HOUR NOTICE

CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES. CONTRACTOR(S) TO CONTACT THE PUBLIC REVIEW DEPARTMENT.

PROJECT TEAM

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ISSUANCE:

CONSTRUCTION DOCUMENTS 60%

10/14/2025

SEAL:

MARK GOULAS, AIA
TEXAS #12034
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT FOR REGULATORY APPROVAL, BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

CITY OF ANGLETON

ABIGAIL ARIAS PARK PROJECT NO.: 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG
DRAWER | JT,CV
CHECKER | MG,MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ARCHITECTURE COVER

A0.00

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BUILDING CODE ANALYSIS

APPLICABLE CODES

- 2015 INTERNATIONAL ENERGY CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL PLUMBING CODE
- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL RESIDENTIAL CODE
- 2014 NFPA 70 NATIONAL ELECTRIC CODE
- 2015 INTERNATIONAL FIRE CODE
- 2012 TEXAS ACCESSIBILITY STANDARDS

CITY ORDINANCES

PARKING REQUIREMENTS

- COMMERCIAL AMUSEMENT (OUTDOOR): 10 SPACES + 1 SPACE PER 500 S.F. OF RECREATIONAL AREA
  10 SPACES + 23 SPACES (11,500 S.F. / 500 S.F.) = 33 SPACES | 35 PROVIDED

- ADA PARKING REQUIRED: 2 SPACES

(CHAP. 3) OCCUPANCY CLASSIFICATION AND USE

OCCUPANCY CLASSIFICATION:

A-3 ASSEMBLY

BUILDING AREA:

GROSS SQUARE FOOTAGE = 588 S.F.

(CHAP. 5) GENERAL BUILDING HEIGHTS AND AREAS

- OCCUPANCY CLASSIFICATION = A-3
- CONSTRUCTION TYPE = VB, UNSPRINKLERED (NS)

TABLE 504.3 ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE

- ALLOWABLE HEIGHT = 40`-0"
- PROPOSED HEIGHT = 18'-0"

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

- ALLOWABLE STORIES = 1 STORY
- PROPOSED STORIES = 1 STORY

TABLE 506.2.1 ALLOWABLE AREA (Aa) OF SINGLE-OCCUPANCY BUILDING

- ALLOWABLE AREA - 6,000 S.F.
- PROPOSED AREA = 588 S.F.

(CHAP. 6) TYPES OF CONSTRUCTION

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

- TYPE VB = 0 HOURS

(CHAP. 7) FIRE AND SMOKE PROTECTION FEATURES

TABLE 705.2 MINIMUM DISTANCE OF PROJECTION

- MINIMUM DISTANCE FROM LINE USED TO DETERMINE FSD AT ALL WALLS = 20 FEET (FSD > 30 FEET)

SECTION 705.8 OPENINGS
- NO LIMIT

SECTION 705.11 PARAPETS
- NO PARAPETS REQUIRED PER EXCEPTION 1 (TYPE VB CONSTRUCTION)

(CHAP. 9) FIRE PROTECTION AND LIFE SAFETY SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
- NOT REQUIRED

SECTION 906 PORTABLE FIRE EXTINGUISHERS
- LIGHT (LOW) HAZARD OCCUPANCY
- MINIMUM-RATED SINGLE EXTINGUISHER = 2-A
- MAXIMUM FLOOR AREA PER UNIT OF A = 3,000 S.F.
- MAXIMUM FLOOR AREA FOR EXTINGUISHER = 11,250 S.F.
- MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75 FEET

(CHAP. 10) MEANS OF EGRESS

TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

GROUND FLOOR
- BUSINESS AREAS = 552 S.F. / 100 S.F. = 6 OCCUPANTS

TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

- MAX. OCCUPANT LOAD OF SPACE = 49 OCCUPANTS
- MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE = 75 FEET

SECTION 1013 EXIT SIGNS

- NO EXIT SIGNS REQUIRED PER SECTION 1013.1, EXCEPTION 1

TABLE 1017.2 MAXIMUM EXIT ACCESS TRAVEL DISTANCE

- MAXIMUM EXIT ACCESS TRAVEL DISTANCE = 200 FEET
- ACTUAL EXIT ACCESS TRAVEL DISTANCE = APPROXIMATELY 26 FEET

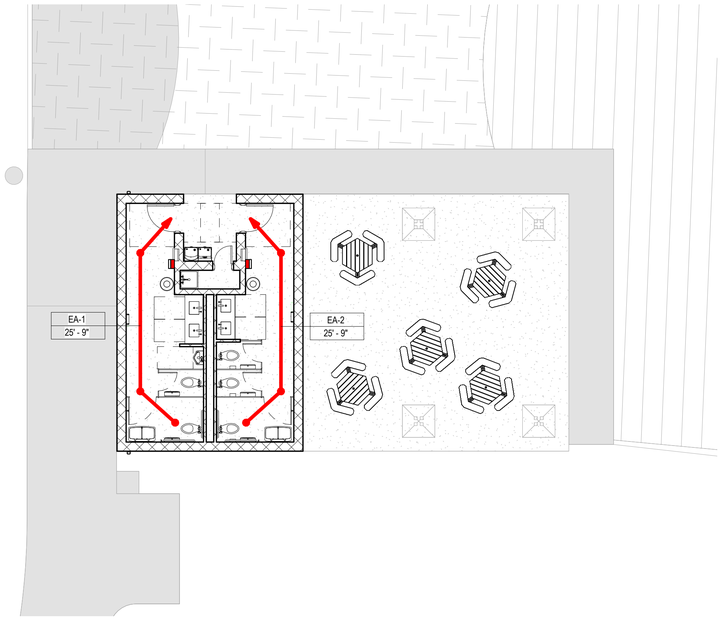
(CHAP. 29) PLUMBING SYSTEMS

SECTION 2902.2 SEPARATE FACILITIES

- SEPARATE FACILITIES ARE REQUIRED.

TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES
GROUND FLOOR CALCULATED AS BUSINESS

- WATER CLOSETS
  MEN = 3 OCCUPANTS / 25 = 1 REQUIRED | 2 PROVIDED
  WOMEN = 3 OCCUPANTS / 25 = 1 REQUIRED | 3 PROVIDED
- URINALS
  MEN = 0 REQUIRED | 1 PROVIDED
- LAVATORIES
  MEN = 3 OCCUPANTS / 40 = 1 REQUIRED | 2 PROVIDED
  WOMEN = 3 OCCUPANTS / 40 = 1 REQUIRED | 3 PROVIDED
- BATHTUBS/SHOWERS = 0 REQUIRED | 0 PROVIDED
- DRINKING FOUNTAIN = 2 REQUIRED | 2 PROVIDED (1 WHEELCHAIR ACCESSIBLE AND 1 FOR STANDING PEOPLE)
- SERVICE SINK = 1 REQUIRED | 1 PROVIDED



01 LIFE SAFETY PLAN
1/8" = 1'-0"

INDEX OF DRAWINGS

SHEET NO.	SHEET NAME
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TP1.02	TREE PRESERVATION PLAN
TP1.03	TREE INVENTORY REPORT
02 - ARCHITECTURE	
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A1.00	CODE ANALYSIS & LIFE SAFETY PLAN
A1.01	FLOOR PLAN
A1.02	ROOF PLAN AND RCP PLAN
A2.01	BUILDING ELEVATIONS
A3.01	BUILDING SECTIONS
A3.02	BUILDING SECTIONS
A4.01	INTERIOR ELEVATIONS
A5.00	SECTION DETAILS
A5.01	SECTION DETAILS
A5.02	SECTION DETAILS
A6.00	PERSPECTIVES
A7.00	SCHEDULES
A7.01	TYPICAL DIAGRAMS & RR ACCESSORY SCHEDULE

GENERAL NOTES

1. THE INFORMATION PROVIDED IS FOR GENERAL COORDINATION AND IS NOT EXHAUSTIVE. THE CONTRACTOR SHALL BE RESPONSIBLE TO BECOME FAMILIAR AND CONFORM TO ALL CURRENTLY ADOPTED BUILDING CODES, REGULATIONS, AND REQUIREMENTS PER AUTHORITY HAVING JURISDICTION.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ACCESSORY MATERIALS REQUIRED FOR COMPLIANCE WITH APPLICABLE REQUIRMENTS AND UL ASSEMBLIES.
3. FIRE EXTINGUISHERS, CABINETS, AND ASSOCIATED MOUNTING BRACKETS ARE SHOWN ON DRAWINGS FOR GENERAL COORDINATION. REFER TO SPECIFICATIONS FOR PRODUCT INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY, COORDINATE, AND PROVIDE ALL FIRE EXTINGUISHER TYPES, QUANTITIES, LOCATIONS, AND MOUNTING HEIGHTS WITH FIRE MARSHALL AND LOCAL AUTHORITY HAVING JURISDICTION.
4. EXIT/EGRESS SIGNAGE: PROVIDE INTERIOR TACTILE ROOM SIGNAGE AT ALL DOORS ALONG EXIT PASSAGEWAYS, EXIT STAIRWAYS, AND EXIT DISCHARGES LEADING TO AN ACCESSIBLE MEANS OF EGRESS. REFER TO SIGNAGE DETAILS ON DRAWING SHEET A7.01.
5. FIRE EXTINGUISHERS SHALL COMPLY WITH NFPA 10 AND NFPA 241 FOR CLASSIFICATION, EXTINGUISHING AGENT, AND SIZE REQUIRED BY LOCATION AND CLASS OF FIRE EXPOSURE PER IFC 2015 CHAPTER 9 SECTION 906.
6. REFER TO SITE PLAN FOR ACCESSIBLE ROUTES OUTSIDE OF BUILDING FOOTPRINT.
7. BUILDING AREAS AND OTHER VALUE CALCULATIONS ARE FOR CODE OFFICIALS AND OWNER. CONTRACTOR SHALL MAKE HIS/HER OWN TAKE OFFS AND CALCULATIONS AS REQUIRED.
8. FIRE EXTINGUISHER CABINET (BASIS OF DESIGN):
   A. MANUFACTURER: JL INDUSTRIES
   B. MODEL: C1016F10
   C. FINISH: POWDER COAT TO MATCH INTERIOR WALL PAINT
   D. MOUNTING: SEMI-RECESSED
   E. DOOR: FULL GLAZING
   F. FIRE RATING: N/A

LEGEND

- SURFACE MOUNTED FIRE EXTINGUISHER
- RECESSED/SEMI-RECESSED FIRE EXTINGUISHER AND CABINET (COORDINATE WITH PARTITION TYPES)
- EGRESS PATH
- EXIT SIGN (RE: ELECTRICAL)

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

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DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

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CODE ANALYSIS & LIFE SAFETY PLAN

A1.00

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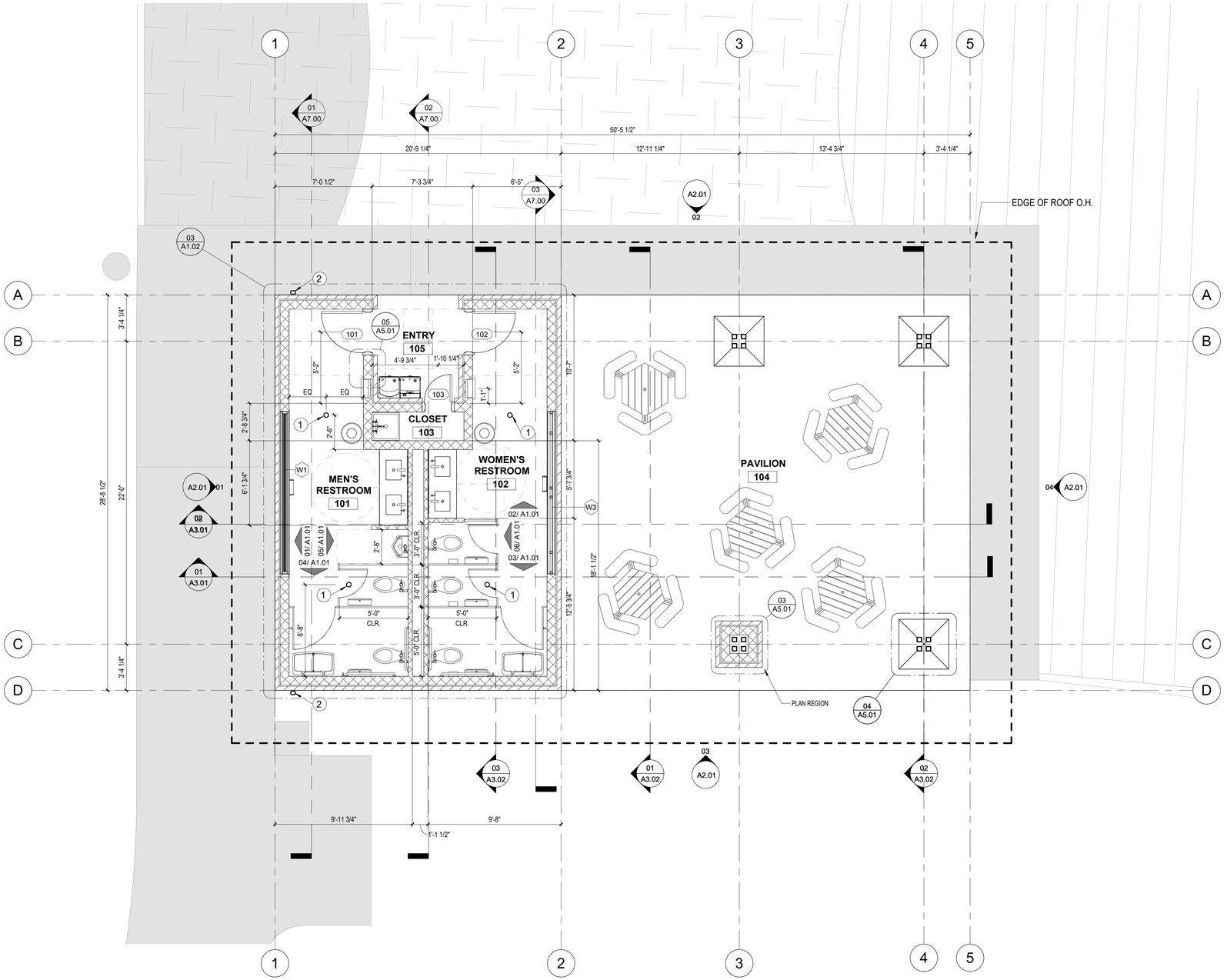

01 FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

1. VERIFY DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.
2. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE INCORPORATING INTO THE WORK.
3. DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE. IF CLARIFICATION IS REQUIRED IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS, CONTACT THE ARCHITECT.
4. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.
5. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN NOT TO EXCEED 1%.
6. COORDINATE HOUSEKEEPING PAD DIMENSIONS AND LOCATIONS WITH EQUIPMENT TO BE INSTALLED. RE: STRUCTURAL FOR REINFORCING.
7. UNLESS OTHERWISE NOTED, ALL ELECTRICAL AND MECHANICAL OPERABLE DEVICES SHALL BE MOUNTED WITH THE HIGHEST OPERABLE CONTROL AT MAX. OF 42" AFF.
8. ALL REQUIRED CLEARANCES, AS DESCRIBED IN THE TEXAS ACCESSIBILITY STANDARDS (TAS) OF THE ARCHITECTURAL BARRIERS ACT. ARTICLE 9102, TEXAS CIVIL STATUTES (2012), FOR COUNTERTOPS, ALL PLUMBING FIXTURES INCLUDING DRINKING FOUNTAINS, LAVATORIES, URINALS, AND TOILETS WILL BE STRICTLY ENFORCED.

PLAN NOTES

1. PROPOSED FLOOR DRAIN LOCATION. REFERENCE MEP DRAWINGS.
2. PROPOSED DOWNSPOUT LOCATION. CONNECT TO UNDERGROUND STORM, RE: CIVIL.

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FLOOR PLAN

A1.01

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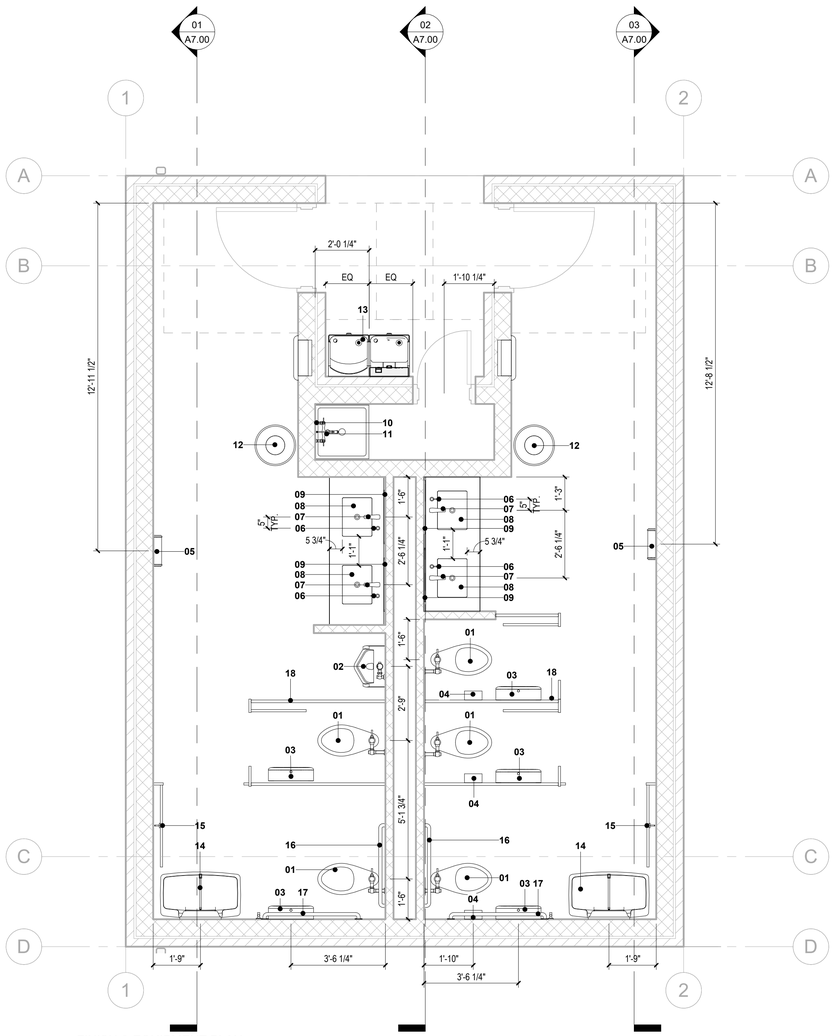
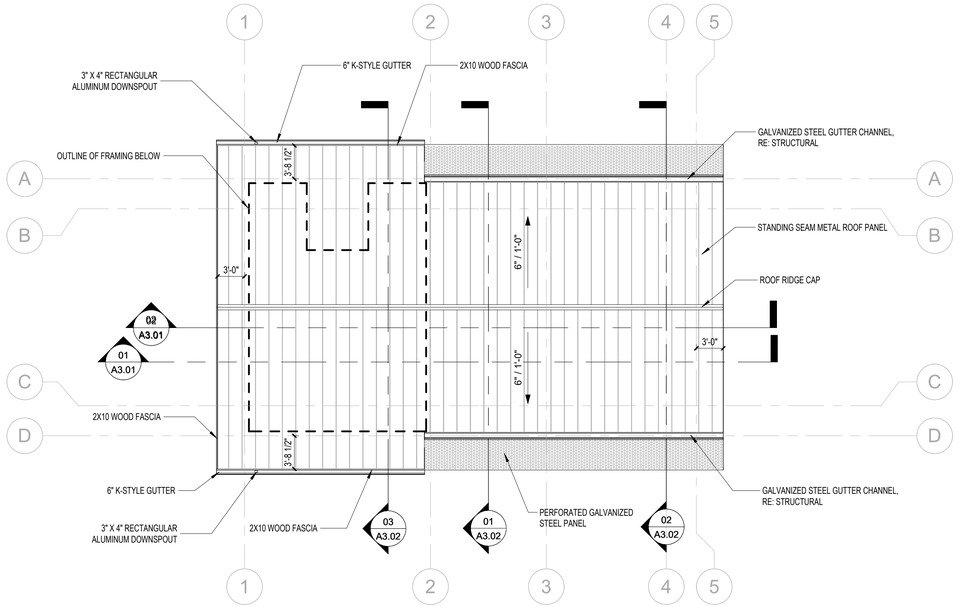
FIXTURE AND EQUIPMENT SCHEDULE

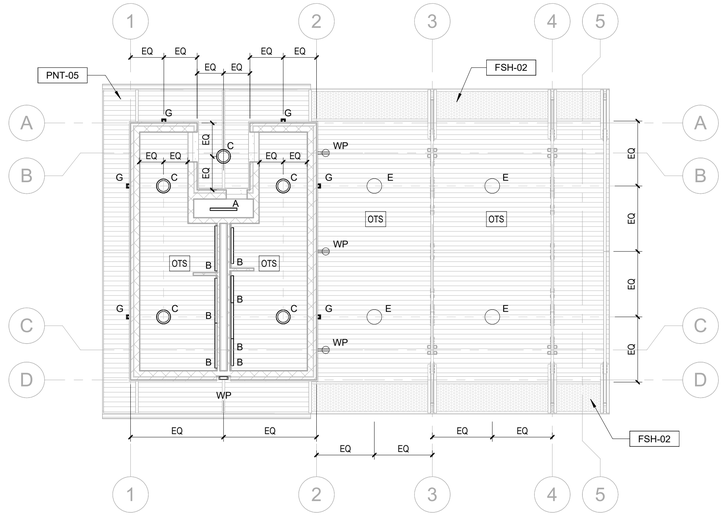
MARK	PRODUCT		FURNISHED/ INSTALLED	DESCRIPTION
	MANUF.	MODEL		
01	TOTO	CT705ULNG	CP/CI	FLOOR-MOUNTED TOILET WITH FLUSH VALVE (TET1LAR#CP) AND VACUUM BREAKER SET (VB0932A#CP)
02	TOTO	UT445U	CP/CI	WALL-MOUNTED URINAL WITH FLUSH VALVE (TEU1UA12#CP) AND VACUUM BREAKER SET (VB0912#CP)
03	BOBRICK	B-2892	CP/CI	SURFACE-MOUNTED TWIN JUMBO ROLL TOILET TISSUE DISPENSER
04	AMERICAN SPECIALTIES INC.	20852	CP/CI	SANITARY WASTE DISPOSAL
05	BOBRICK	B-7120	CP/CI	SURFACE-MOUNTED AUTOMATIC HAND DRYER
06	BRADLEY CORPORATION	6334	CP/CI	MANUAL SOAP DISPENSER
07	SLOAN	ETF-80	CP/CI	LAVATORY SENSOR FAUCET, NO TRIM
08	AMERICAN STANDARD	0315.000	CP/CI	"BOXE" UNDER COUNTER SINK
09	BOBRICK	B-290 2436	CP/CI	WELDED FRAME MIRROR
10	STERN WILLIAMS	SS-2424	CP/CI	FLOOR-MOUNTED SERVICE SINK
11	AMERICAN STANDARD	8354112.004	CP/CI	WALL-MOUNT SERVICE SINK FAUCET
12	BOBRICK	B-2400	CP/CI	FLOOR STANDING TRASH RECEPTACLE
13	ELKAY	VRCTLR8WSK	CP/CI	DUAL DRINKING FOUNTAIN
14	KOALA KARE	KB310-SSWM	CP/CI	BABY CHANGING STATION
15	BRADLEY CORPORATION		CP/CI	COAT HOOK
16	BOBRICK	B-5806 x 36	CP/CI	36" GRAB BAR
17	BOBRICK	B-5806 x 42	CP/CI	42" GRAB BAR
18	BRADLEY CORPORATION	SERIES 400	CP/CI	FLOOR-MOUNTED RESTROOM PARTITIONS WITH OVERHEAD BRACING, FASHION GREY D381 FINISH



03 FINISH & EQUIPMENT PLAN
3/8" = 1'-0"



02 ROOF PLAN
1/8" = 1'-0"



01 REFLECTED CEILING PLAN
1/8" = 1'-0"

GENERAL NOTES

1. REFER TO SPECIFICATION DIVISION 09 AND SCHEDULE FOR PAINT PROCEDURES SPECIFIC TO MATERIAL TYPE AND INTERIOR/EXTERIOR CONDITIONS.
2. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN FINISH PLANS AND FINISH SPECIFICATIONS.
3. BLOCK FILLER AND EPOXY PAINT SHALL BE USED ON ALL EXPOSED CMU BLOCK WALLS.
4. WHERE SEALED AND/OR EXPOSED CONCRETE FINISH IS INDICATED, PROVIDE AN APPROVED PROTECTIVE COVERING FOR THE DURATION OF THE WORK PRIOR TO FINISHING.
5. ALL EXPOSED WOOD FRAMING TO BE PRESSURE TREATED.
6. REFER TO REFLECTED CEILING PLANS FOR CEILING FINISHES AND MATERIALS.
7. WHERE MULTIPLE FINISHES ON A SINGLE WALL, INSTALLER TO VERIFY EXTENTS OF EACH WALL FINISH WITH INTERIOR ELEVATIONS AND SECTION DETAILS.
8. ALL FLOORS FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS.
9. CONTRACTOR TO COORDINATE LOCATION OF ROOF DRAINS WITH BUILDING STRUCTURE COMPONENTS.
10. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ROOF PENETRATIONS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL REQUIRED ROOF PENETRATIONS TO AVOID CONFLICT WITH ROOF STRUCTURE AND OTHER TRADES.
11. PROVIDE METAL DRIP EDGE FLASHING AT ALL ROOF EDGES.
12. FURNISHED BY ACRONYMS:
    IC - IN CONTRACT
    NIC - NOT IN CONTRACT
    OP - OWNER PROVIDED
    CI - CONTRACTOR INSTALLED
13. CONTRACT SCOPE INCLUDES PROVISION OF BLOCKING, POWER, WATER, DATA, ETC. AS NEEDED PER EQUIPMENT REQUIREMENTS, TO BE COORDINATED WITH ELECTRICAL, PLUMBING, INFORMATION TECHNOLOGY, AND OWNER FOR CONFORMANCE.
14. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD, AND CLEARANCES REQUIRED BY ALL EQUIPMENT, SPECIALTIES, AND FURNISHINGS PROVIDED IN CONTRACT DOCUMENTS AND PROVIDED BY OWNER, PRIOR TO FABRICATION OF ALL MILLWORK/CASEWORK.
15. OTS - "OPEN TO STRUCTURE", WHERE TIMBER STRUCTURE IS EXPOSED, WOOD SURFACE TO BE PROTECTED PER MANUFACTURER/INSTALLER SPECIFICATIONS AND REQUIREMENTS. ALL PUBLICLY VISIBLE ATTACHMENTS TO WOOD STRUCTURE ARE TO BE ORDERLY, FREE OF MARKINGS, AND CLEANED PRIOR TO COMPLETION.
16. REFER TO ELECTRICAL PLANS FOR LIGHTING FIXTURE SCHEDULE AND LOCATIONS OF EACH SCHEDULED FIXTURE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL PLANS REGARDING LIGHTING FIXTURE PLACEMENT.
17. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNAGE, TO COMPLY WITH ALL LOCAL CODES AND BE INSTALLED PER A.H.J..
18. ALL EXPOSED CONDUIT RUNS TO BE MOUNTED SECURELY TO BOTTOM OF STRUCTURE AND ARRANGED IN AN ORGANIZED FASHION IN ALL PUBLIC SPACES MARKED AS OPEN TO STRUCTURE (OTS). CONDUIT IS TO BE RIGID UNLESS NOTED OTHERWISE. WHERE CONDUIT IS ATTACHED TO PAINTED STEEL STRUCTURAL MEMBERS, CONDUIT SHALL BE PAINTED TO MATCH.

RCP LEGEND

A	SURFACE WALL MOUNT LED STRIP ABOVE DOOR HEADER
B	SURFACE WALL MOUNT LED TROFFER WALL WASH
C	LED PENDANT DOWNLIGHT CAN
D	PENDANT FAN
E	PENDANT MOUNT HIGH BAY LIGHTS
WP	WALL PACK FIXTURE
G	DECORATIVE WALL MOUNT LIGHT

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ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ROOF PLAN AND RCP PLAN

A1.02

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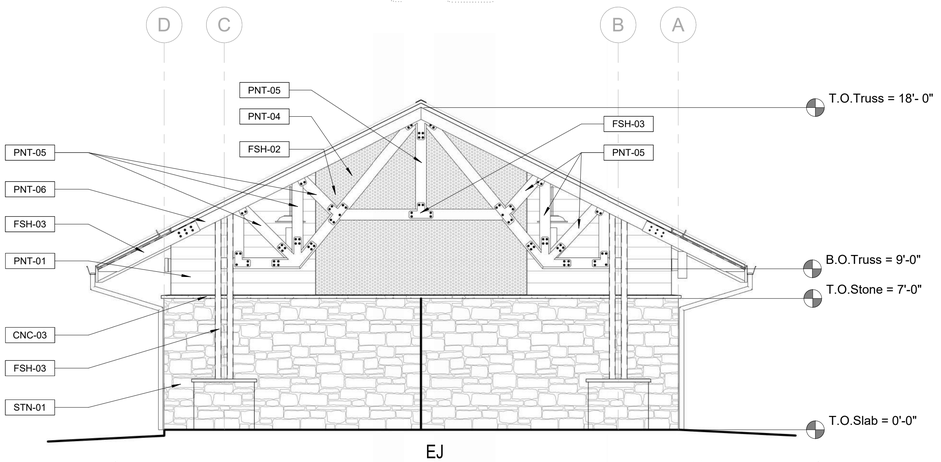
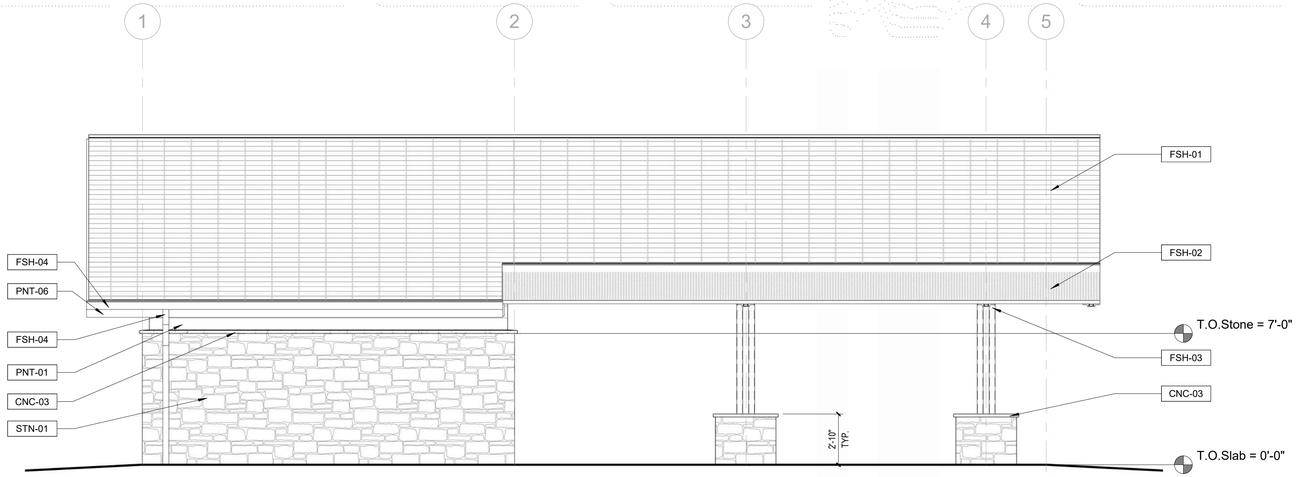
EXTERIOR FINISH SCHEDULE

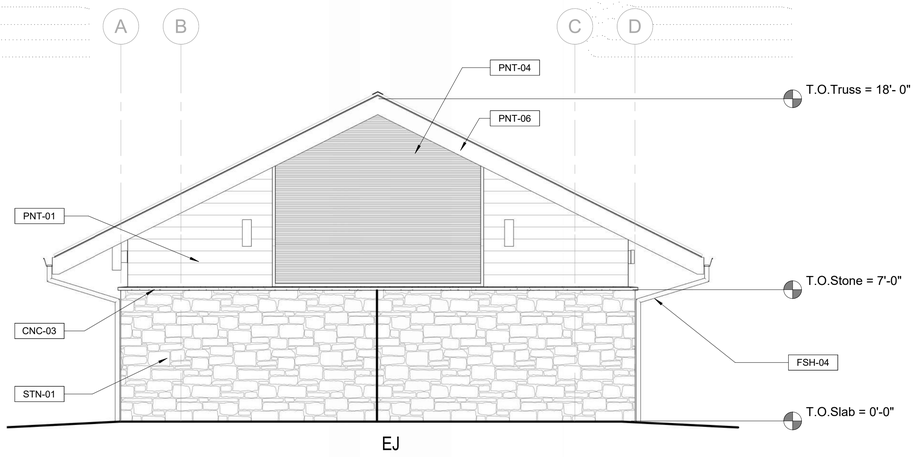
MARK	FINISH DESCRIPTION	MATERIAL DESCRIPTION	MANUFACTURER	COLOR	COMMENTS
CNC-01	POLISHED CONCRETE	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON RESTROOM, CLOSET, AND ENTRY AREAS. USE DENSIFIER (SIKAFLOOR®-956 LD OR SIMILAR) AND SLIP RESISTANT ADDITIVE (H&C SHARKGRIP OR SIMILAR)
CNC-02	CONCRETE FLOAT FINISH	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON PAVILION AREA
CNC-03	PREFINISH	CAST STONE WALL CAP	SITEWORKS ARCHITECTURAL CAST STONE		PROFILE AS INDICATED ON DRAWINGS
FSH-01	PREFINISH	STANDING SEAM METAL ROOF PANEL	BERRIDGE	ZINC-COTE	TEE-PANEL, 24 GAUGE STEEL, 12-3/4" COVERAGE, SMOOTH
FSH-02	PREFINISH	PERFORATED ALUMINUM PANEL	MCNICHOLS	ALUMINUM MILL FINISH	48" X 120" PANEL, ALLOY 5052-H32, 8 GAUGE, 1/2" STAGGERED HOLES, 48% OPEN AREA
FSH-03	PREFINISH	STRUCTURAL STEEL FRAMING ELEMENTS	RE: SPECS	GALVANIZED STEEL	COLUMNS, ANGLES, CHANNELS, PLATES, AND ATTACHMENTS
FSH-04	PREFINISH	GALVANIZED STEEL/ALUMINUM TRIM	BERRIDGE	ACRYLIC-COATED GALVALUME	FOR USE ON ALL GALVANIZED STEEL/ALUMINUM TRIM, INCLUDING DRIP EDGE, DOWNSPOUTS, AND GUTTERS
PNT-01	PAINT	CEMENTITIOUS BOARD ARTISAN SIDING	SHERWIN WILLIAMS	GREY MATTERS SW 7066	8-1/4" X 12', LAP SIDING, SMOOTH, PRIMED FOR PAINT
PNT-04	POWDER COATING	METAL HOLLOW DOOR AND ALUMINUM EXTRUSION	PPG OR SIM.	RAL 7040	FOR USE ON DOOR SLABS, DOOR FRAMES, AND PERFORATED ALUMINUM FRAMING EXTRUSIONS
PNT-05	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	DESERT TAN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED
PNT-06	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	CHESNUT BROWN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED
STN-01	NATURAL FINISH	STONE VENEER	COBRA STONE	TEXAS MIX	FOR USE ON EXTERIOR STONE VENEER, AMERIMIX COLORED MORTAR "ALABASTER"



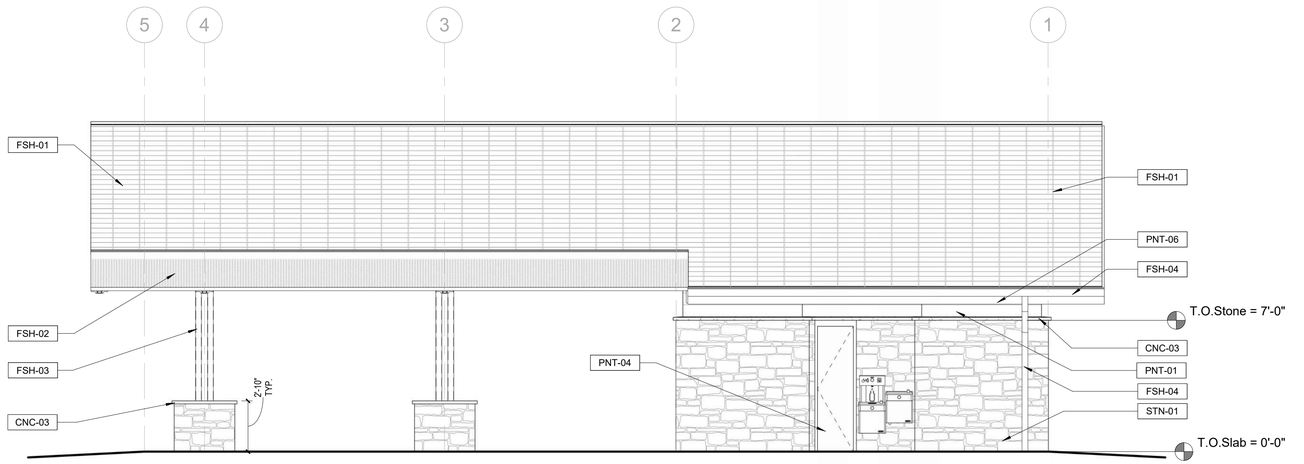
04 FRONT ELEVATION
1/4" = 1'-0"



03 LEFT ELEVATION
1/4" = 1'-0"



01 REAR ELEVATION
1/4" = 1'-0"



02 RIGHT ELEVATION
1/4" = 1'-0"

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ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

BUILDING ELEVATIONS

A2.01

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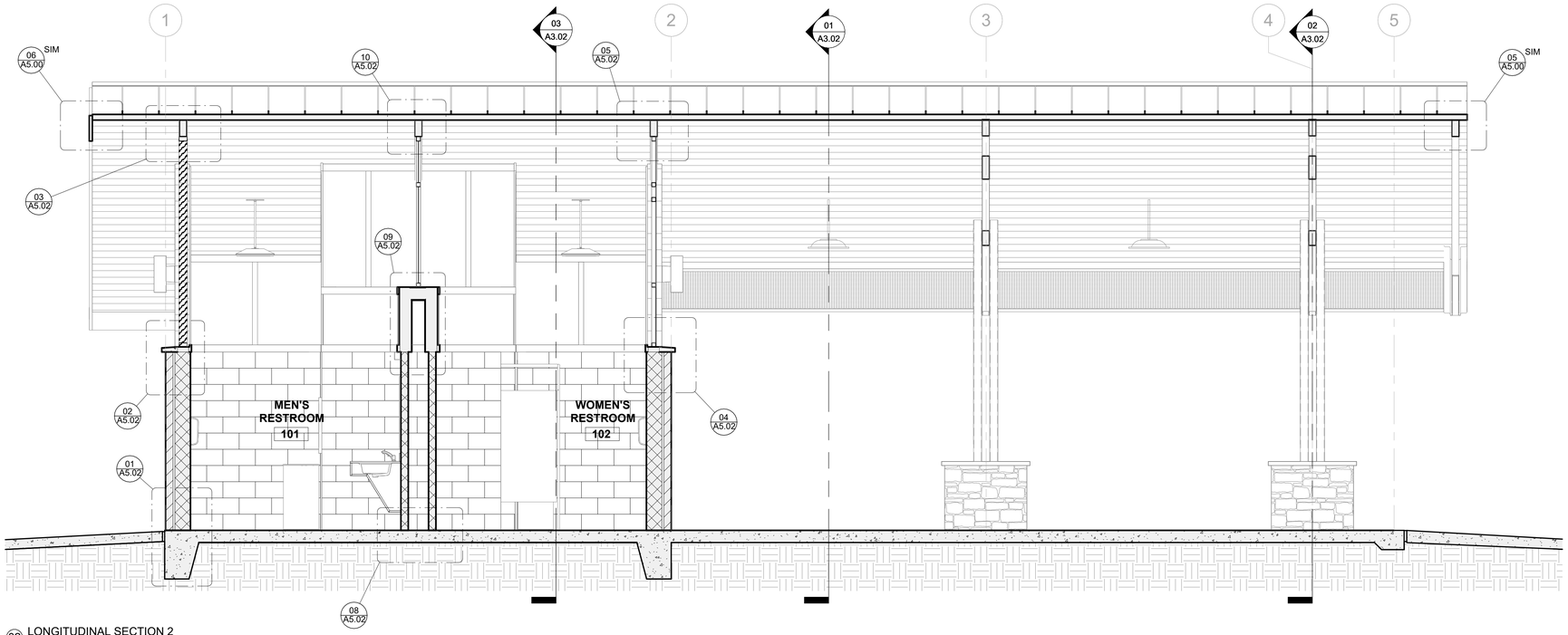
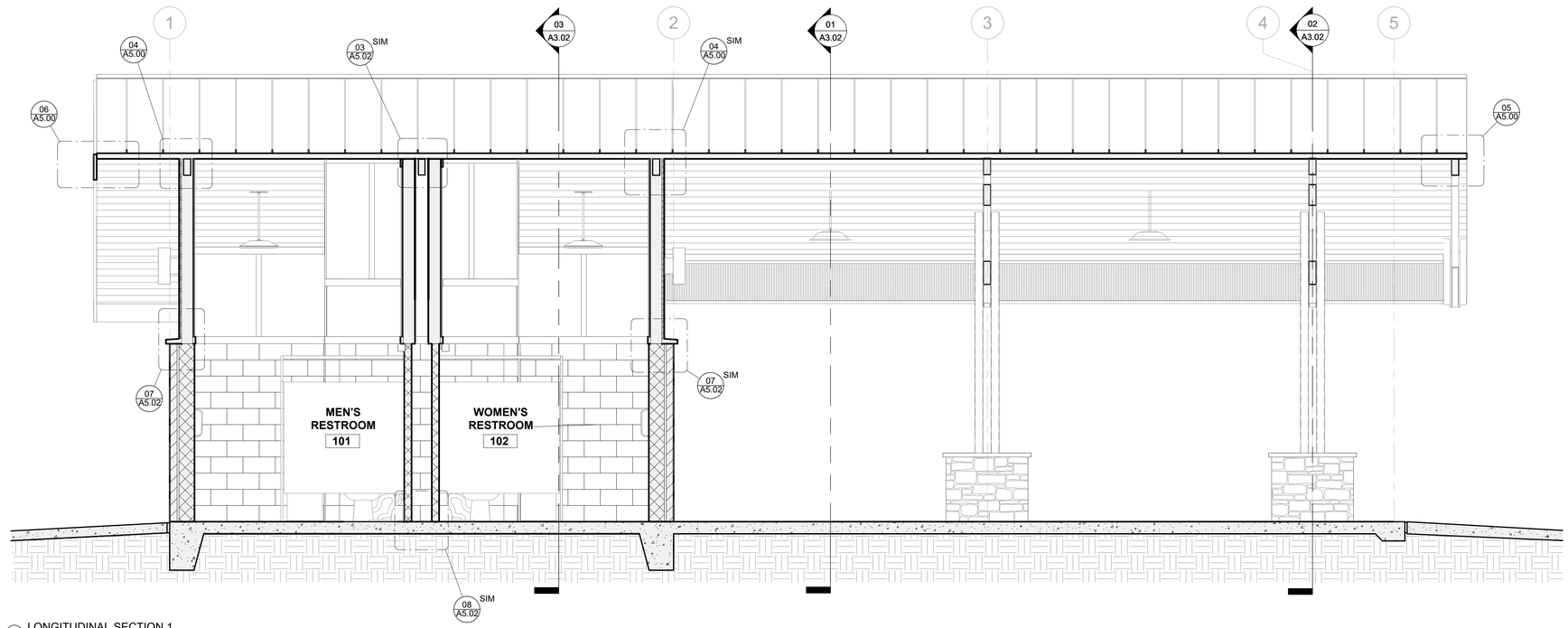


02 LONGITUDINAL SECTION 2
3/8" = 1'-0"



01 LONGITUDINAL SECTION 1
3/8" = 1'-0"

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BUILDING SECTIONS

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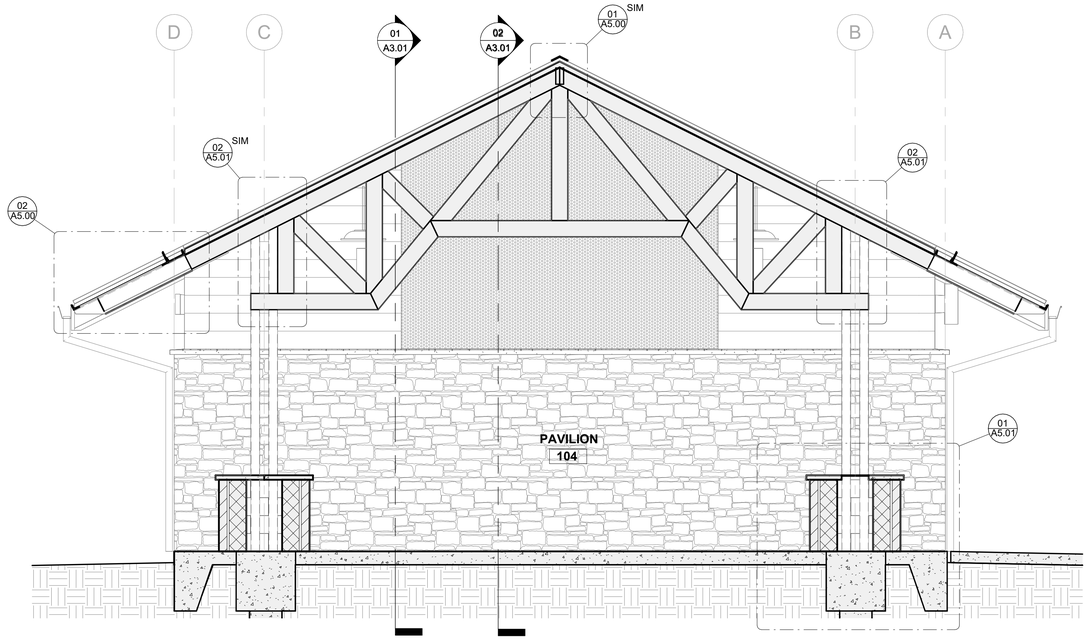
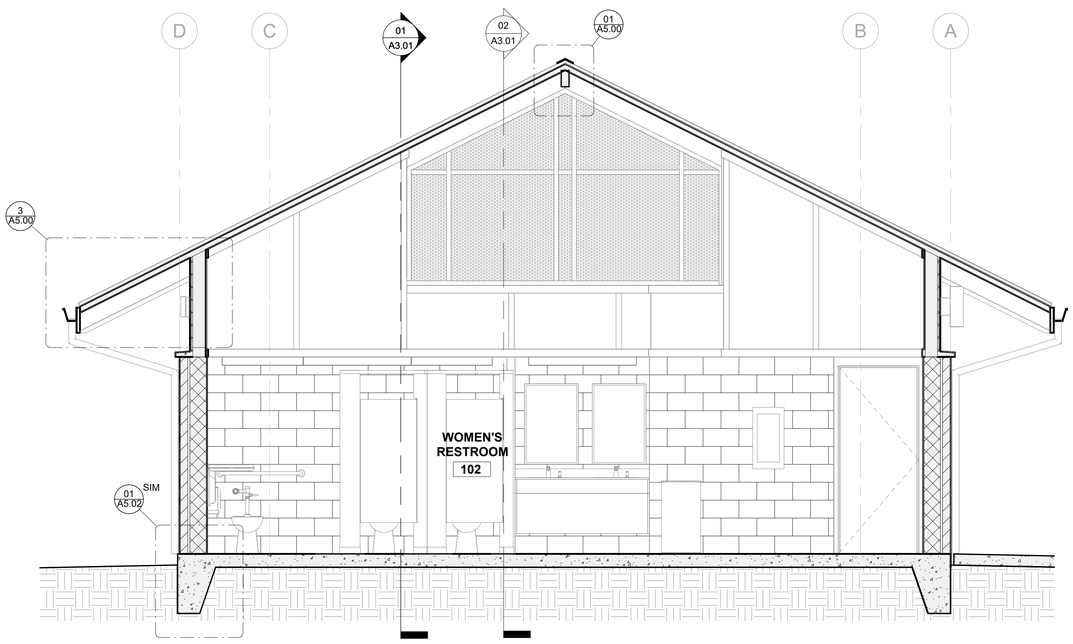
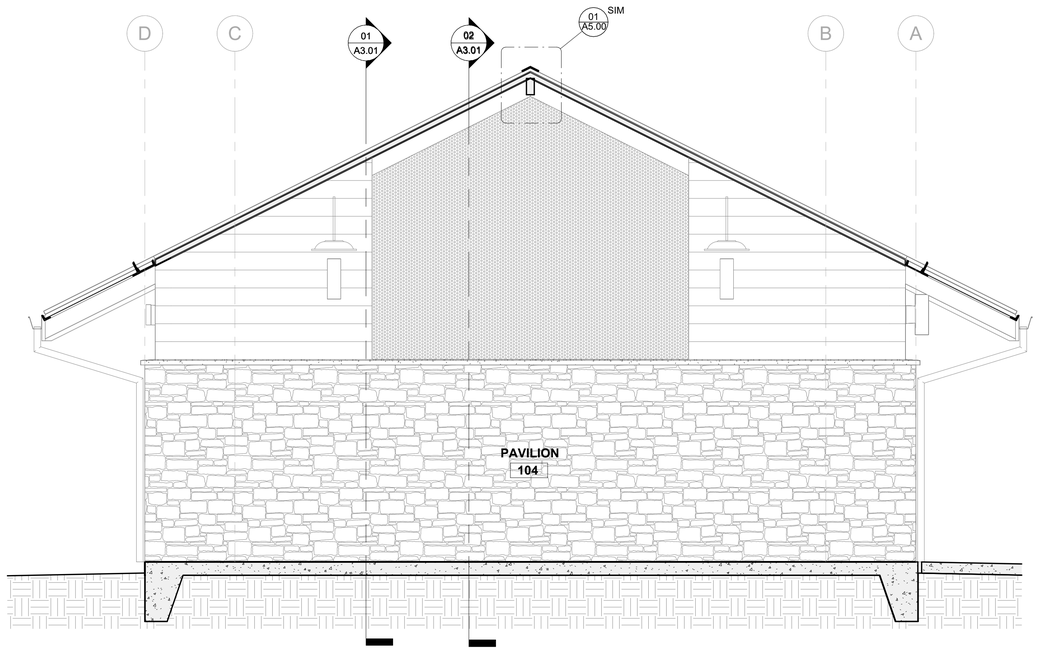


02 TRANSVERSE SECTION 2
3/8" = 1'-0"



03 TRANSVERSE SECTION 3
3/8" = 1'-0"



01 TRANSVERSE SECTION 1
3/8" = 1'-0"

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LandPlace
310 Longmire Road
Conroe, TX 77304
Tel: 936.756.3041
105 N. Main Street,
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Bryan, TX 77803
Tel: 979.977.5846

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10/14/2025

SEAL:

MARK GOULAS, AIA
TEXAS #12034
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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

BUILDING SECTIONS

A3.02

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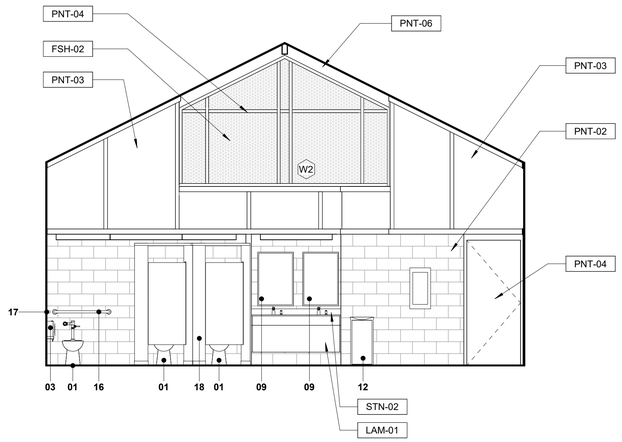
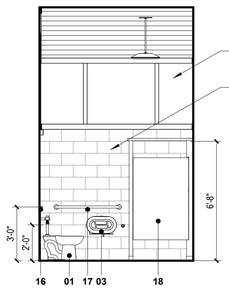
INTERIOR FINISH SCHEDULE

MARK	FINISH DESCRIPTION	MATERIAL DESCRIPTION	MANUFACTURER	COLOR	COMMENTS
CNC-01	POLISHED CONCRETE	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON RESTROOM, CLOSET, AND ENTRY AREAS. USE DENSIFIER (SIKAFLOOR®-956 LD OR SIMILAR) AND SLIP RESISTANT ADDITIVE (H&C SHARKGRIP OR SIMILAR)
CNC-02	CONCRETE FLOAT FINISH	CONCRETE SLAB	RE: SPECS.	NATURAL CONCRETE	FOR USE ON PAVILION AREA
FSH-02	PREFINISH	PERFORATED ALUMINUM PANEL	MCNICHOLS	ALUMINUM MILL FINISH	48" X 120" PANEL, ALLOY 5052-H32, 8 GAUGE, 1/2" STAGGERED HOLES, 48% OPEN AREA
FSH-04	PREFINISH	GALVANIZED STEEL/ALUMINUM TRIM	BERRIDGE	ACRYLIC-COATED GALVALUME	FOR USE ON ALL GALVANIZED STEEL/ALUMINUM TRIM, INCLUDING DRIP EDGE, DOWNSPOUTS, AND GUTTERS
LAM-01	LAMINATE	LAVATORY CASEWORK	WILSONART	FASHION GREY	SHEET TYPE 107 "HG", #38 FINE VELVET FINISH. INSTALLED ON OUTDOOR GRADE SUBSTRATE.
PNT-02	PAINT	CMU (INTERIOR FACE)	SHERWIN WILLIAMS	RHINESTONE SW 7656	FLAT SHEEN. PRIMER AS REQUIRED. REFERENCE SPECIFICATIONS FOR APPLICATION AND SURFACE PREPARATION RECCOMENDATIONS
PNT-03	PAINT	CEMENTITIOUS BOARD PANEL	SHERWIN WILLIAMS	RHINESTONE SW 7656	FLAT SHEEN. PIMER AS REQUIRED.REFERENCE SPECIFICATIONS FOR APPLICATION AND SURFACE PREPARATION RECCOMENDATIONS
PNT-04	POWDER COATING	METAL HOLLOW DOOR AND ALUMINUM EXTRUSION	PPG OR SIM.	RAL 7040	FOR USE ON DOOR SLABS, DOOR FRAMES, AND PERFORATED ALUMINUM FRAMING EXTRUSIONS
PNT-05	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	DESERT TAN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED
PNT-06	TRANSPARENT WOOD SEALER	WOOD LUMBER	THOMPSON'S WATERSEAL	CHESNUT BROWN	REFERENCE BUILDING ELEVATIONS FOR INDICATED FINISHES. ALL EXPOSED WOOD LUMBER MUST BE PRESSURE TREATED
STN-02	NATURAL FINISH	COUNTERTOP	WILSONART	SEA ICE Q1024	2 CMS, POLISHED, 4" BACKSPLASH



06 WOMEN'S RESTROOM
1/4" = 1'-0"



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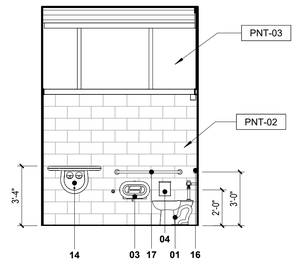
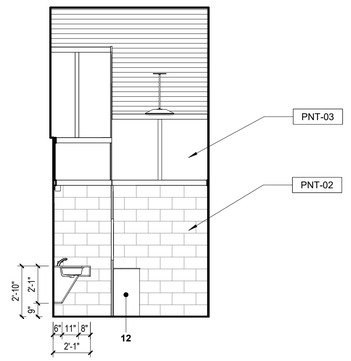
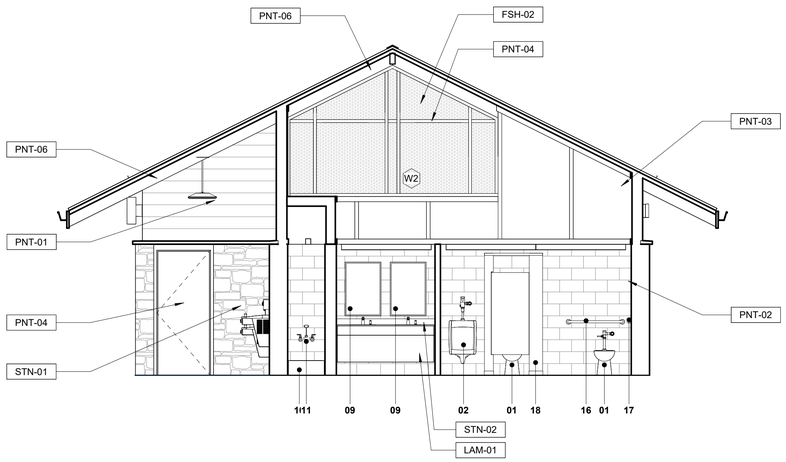


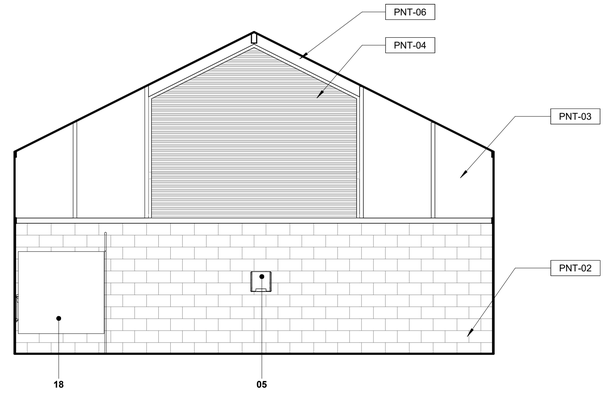
03 WOMEN'S RESTROOM SHORT
1/4" = 1'-0"



02 WOMEN'S RESTROOM
1/4" = 1'-0"



05 MEN'S RESTROOM
1/4" = 1'-0"



01 WOMEN'S RESTROOM
1/4" = 1'-0"

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310 Longmire Road
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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

INTERIOR ELEVATIONS

A4.01

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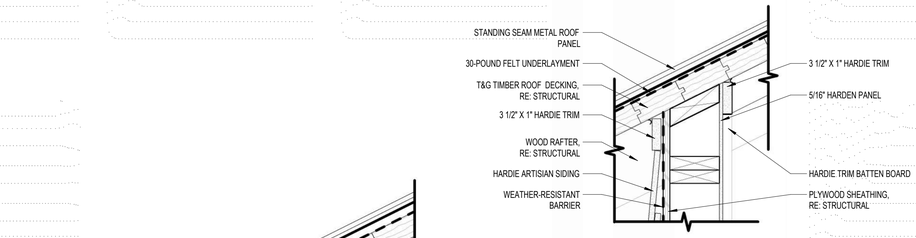
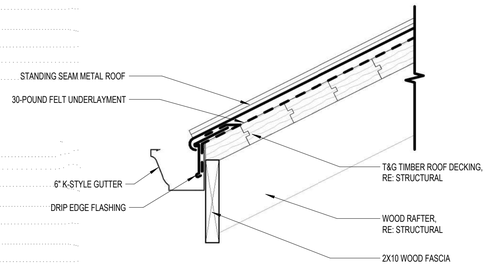
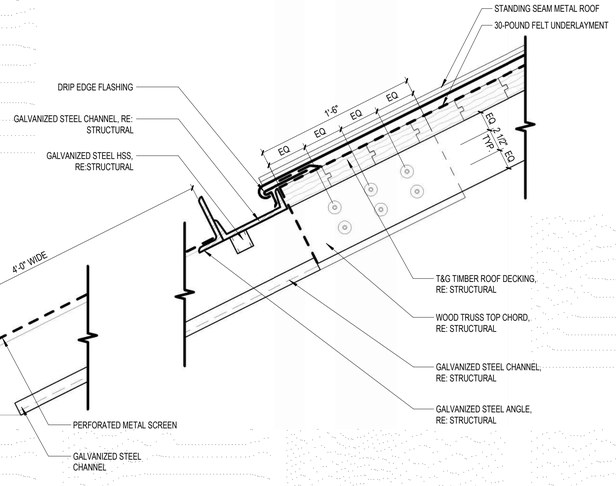
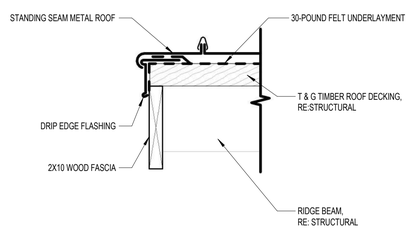




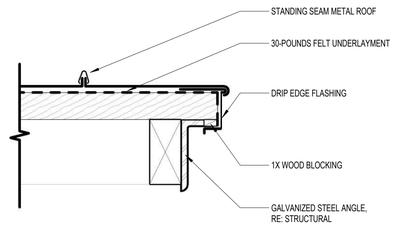
03 ROOF EAVE END
1 1/2" = 1'-0"



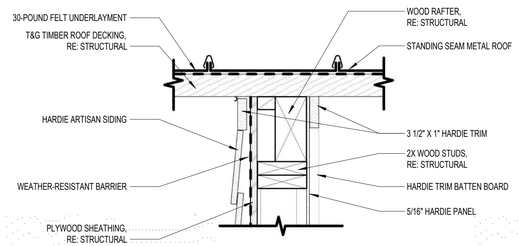
02 GUTTER CHANNEL SYSTEM
1 1/2" = 1'-0"



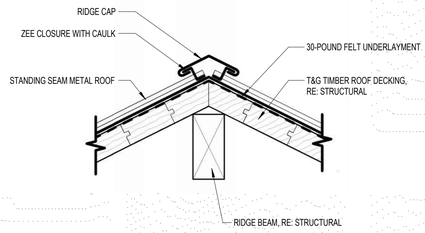
06 ROOF REAR RAKE END
1 1/2" = 1'-0"



05 ROOF FRONT RAKE END
1 1/2" = 1'-0"



04 RAFTER @ BEARING WALL
1 1/2" = 1'-0"



01 RIDGE ROOF
1 1/2" = 1'-0"

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310 Longmire Road
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10/14/2025

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

SECTION DETAILS

A5.00

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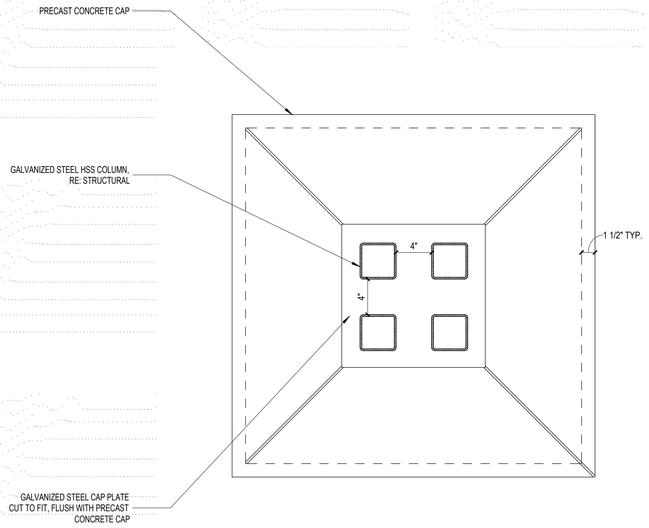
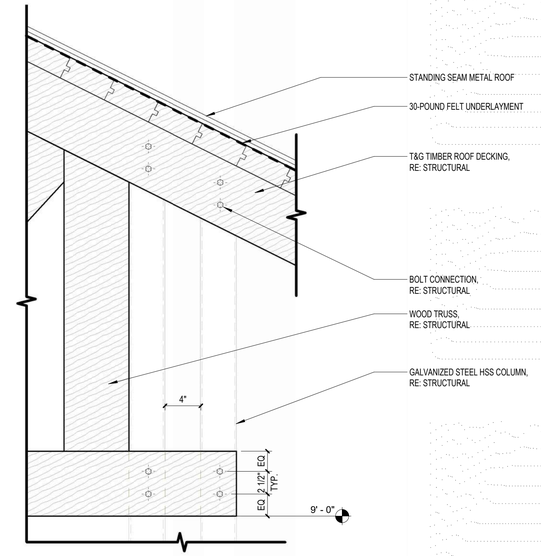
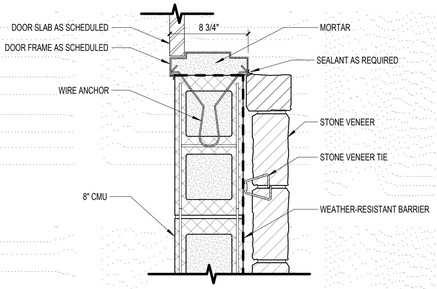


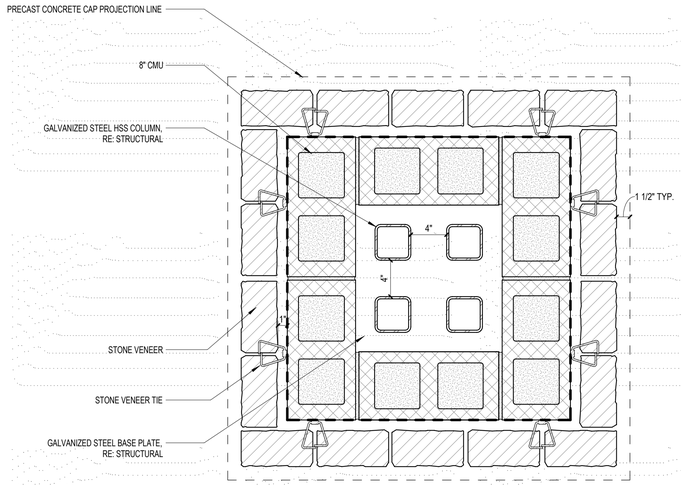
04 COLUMN BASE CAP PLAN
1 1/2" = 1'-0"



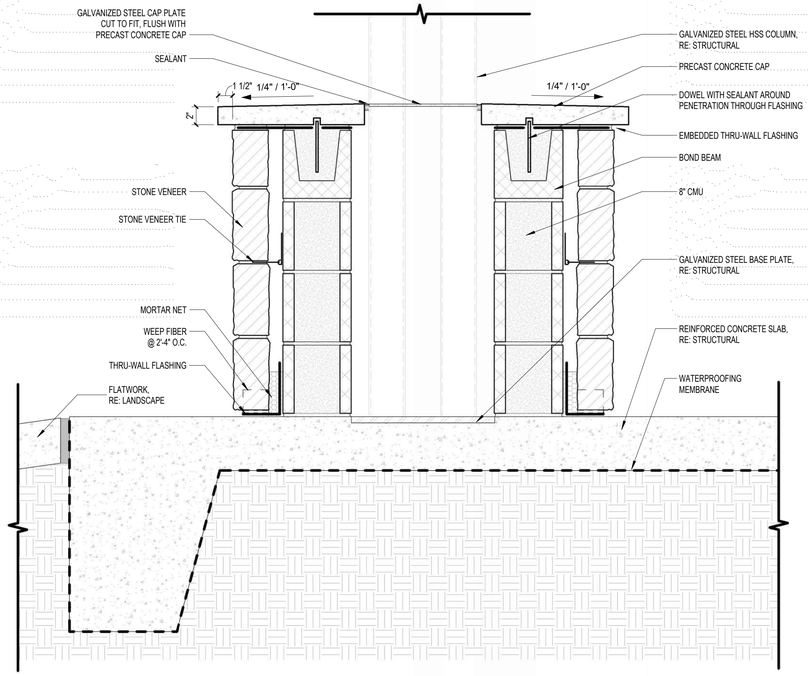
02 TRUSS TO COLUMN CONNECTION
1 1/2" = 1'-0"



05 DOUBLE RABBET DOOR JAMB
1 1/2" = 1'-0"



03 COLUMN BASE PLAN
1 1/2" = 1'-0"



01 COLUMN BASE SECTION
1 1/2" = 1'-0"

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DRAWER | JT, CV
CHECKER | MG, MK

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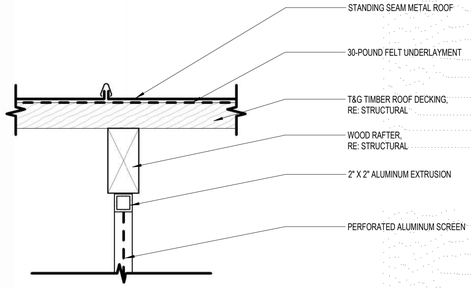
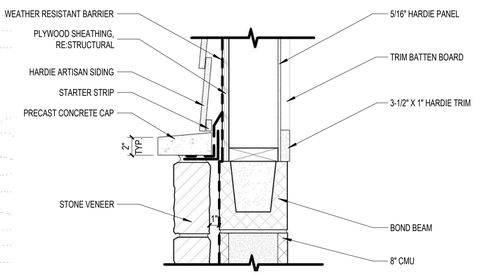
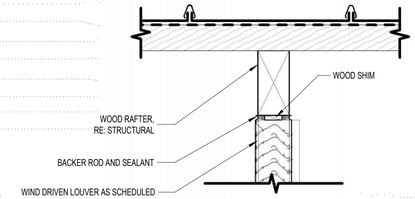


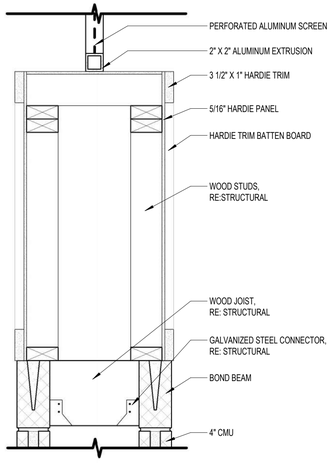
10 PERFORATED SCREEN @ SHAFT WALL
1 1/2" = 1'-0"



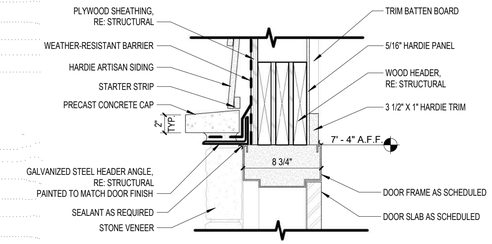
07 STONE VENEER @ TOP
1 1/2" = 1'-0"



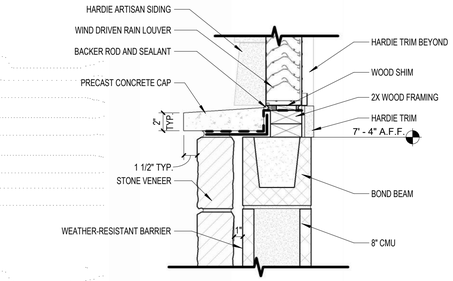
03 WIND DRIVEN LOUVER @ TOP
1 1/2" = 1'-0"



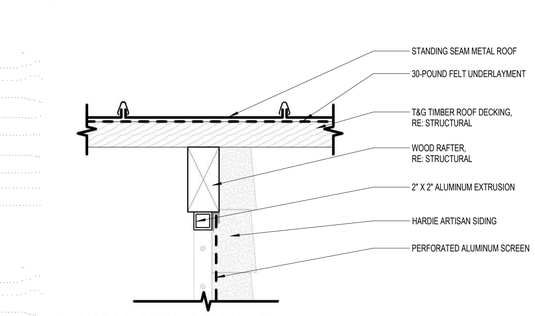
09 SHAFT WALL @ TOP
1 1/2" = 1'-0"



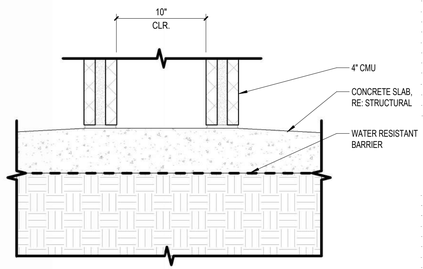
06 DOOR HEADER
1 1/2" = 1'-0"



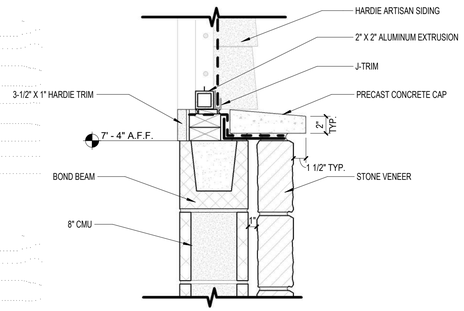
02 WIND DRIVEN LOUVER @ BOTTOM
1 1/2" = 1'-0"



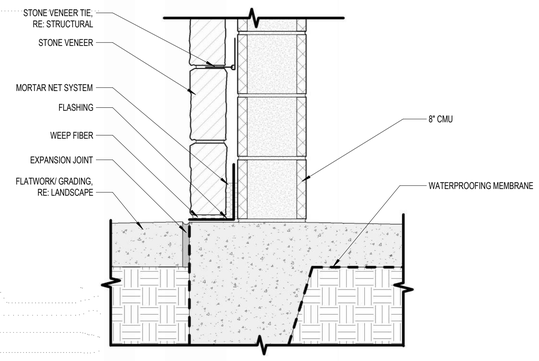
EXTERIOR PERFORATED SCREEN @ TOP
05 1 1/2" = 1'-0"



08 SHAFT WALL @ BASE
1 1/2" = 1'-0"



EXTERIOR PERFORATED SCREEN @ BOTTOM
04 1 1/2" = 1'-0"



01 STONE VENEER @ BASE
1 1/2" = 1'-0"

DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

SECTION DETAILS

A5.02

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PERSPECTIVES

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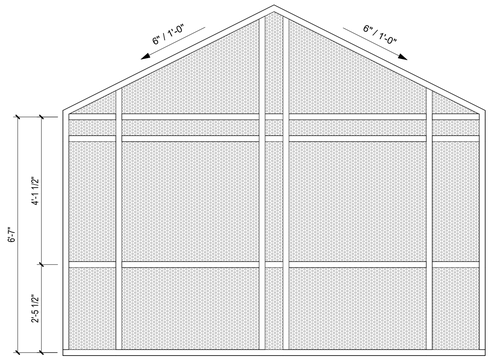
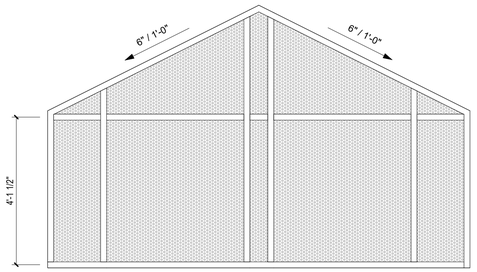


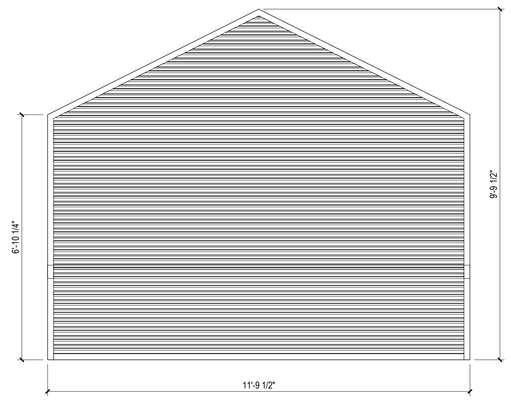
W3

03 EXTERIOR PERFORATED SCREEN
1/2" = 1'-0"



W2

02 PARTITION PERFORATED SCREEN
1/2" = 1'-0"



W1

01 STATIONARY LOUVER (GREENHECK, EDD-401)
1/2" = 1'-0"

MATERIAL LEGEND

HM = HOLLOW METAL

PS = POWDER COATED STEEL

SS = STAINLESS STEEL

HARDWARE SETS

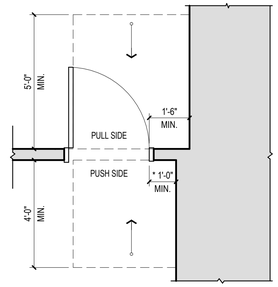
HARDWARE SET #1

MOBILE ENABLED WIRELESS CYLINDRICAL LOOK, NDEB SERIES, SCHLAGE
SFIC SMALL FORMAT INTERCHANGEABLE CORE,G, SCHLAGE
RHODES LEVER, RHO, SCHLAGE, 626 SATIN CHROME
BACKSET AND LATCH,13-247,SCHLAGE
STRIKE PLATE,47267101,SCHLAGE,626 SATIN CHROME
FLOOR STOP,FS444,IVES, 66 SATIN CHROME
DOOR SILENCER,SR64,IVES
8" KICK PLATE, 8400, IVES,626 SATIN CHROME
SADDLE THRESHOLD,547, ZERO,ALUMINUM MILL FINISH
DOOR SWEEP,339, ZERO,ALUMINUM MILL FINISH
HEAD AND JAMB GASKETING, 328,IVES, ALUMINUM CLEAR ANODIZED
DOOR CLOSER, 4040XP, LCN, RAL 7040,HINGE(PULL) SIDE MOUNT, REGULAR ARM

HARDWARE SET #2

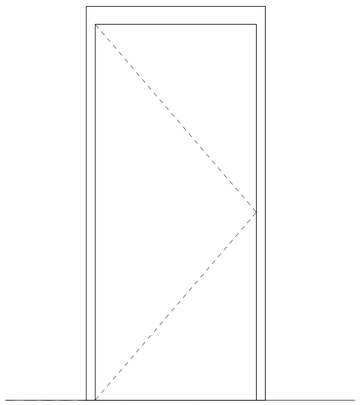
MECHANICAL STOREROOM LOCK, ND80, SCHLAGE
SFIC SMALL FORMAT INTERCHANGEABLE CORE, G, SCHLAGE
RHODES LEVER, RHO, SCHLAGE, 626 SATIN CHROME
BACKSET AND LATCH,13-247, SCHLAGE
STRIKE PLATE, 10-025, SCHLAGE,626 SATIN CHROME
DOOR SILENCER,SR64,IVES
SADDLE THRESHOLD,547, ZERO,ALUMINUM MILL FINISH
DOOR SWEEP,339, ZERO,ALUMINUM MILL FINISH
HEAD AND JAMB GASKETING, 328,IVES, ALUMINUM CLEAR ANODIZED
DOOR CLOSER, 4040XP, LCN, RAL 7040, EDA MOUNT, HEDA ARM

DOOR CLEARANCE, TYP.



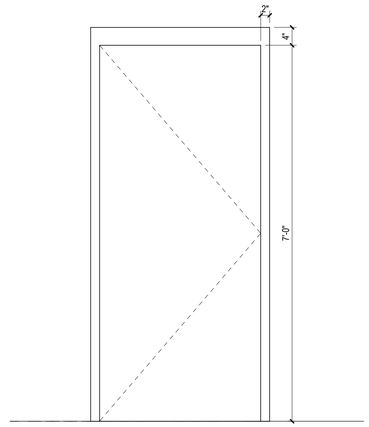
NOTES:
1.(*) WITH LATCH AND CLOSER
2. VERIFY REQUIRED CLEARANCES
ARE MET PRIOR TO INSTALLATION
OF FRAMES. NOTIFY ARCHITECT OF DISCREPANCIES.

DOOR TYPE



D01

FRAME TYPE



F01

DOOR SCHEDULE

DOOR #	DOOR TYPE	DOOR SLAB WIDTH	DOOR SLAB HEIGHT	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HARDWARE SET	COMMENTS
101	D01	3' - 0"	7' - 0"	HM	F01	HM	1	
102	D01	3' - 0"	7' - 0"	HM	F01	HM	1	
103	D01	2' - 0"	7' - 0"	HM	F01	HM	2	

ROOM FINISH SCHEDULE

ROOM NUMBER	NAME	FLOOR	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL
101	MEN'S RESTROOM	CNC-01	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03
102	WOMEN'S RESTROOM	CNC-01	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03
103	CLOSET	CNC-01	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03	PNT-02/PNT-03
104	PAVILION	CNC-02	RE:ELEVATIONS	RE:ELEVATIONS	RE: ELEVATIONS	RE: ELEVATIONS
105	ENTRY	CNC-01	RE:ELEVATIONS	RE:ELEVATIONS	RE: ELEVATIONS	RE: ELEVATIONS

BURDITT
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105 N. Main Street,
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Bryan, TX 77803
Tel: 979.977.5846

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BURDITT CONSULTANTS, LLC.

ISSUANCE:

CONSTRUCTION DOCUMENTS 60%

10/14/2025

SEAL:

MARK GOULAS, AIA
TEXAS #12034
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND ARE NOT FOR REGULATORY APPROVAL, BIDDING, PERMIT, OR CONSTRUCTION PURPOSES.

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

SCHEDULES

A7.00

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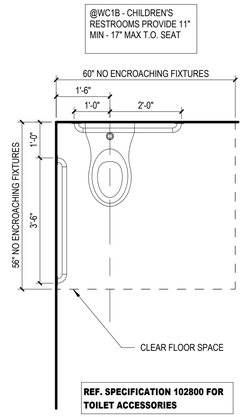
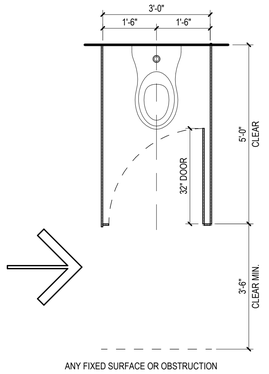
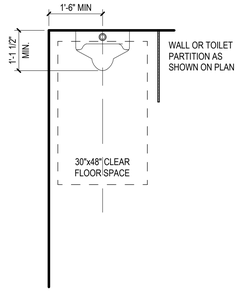


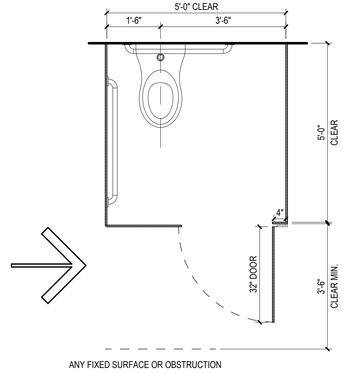
05 ACCESSIBLE WATER CLOSET
1/2" = 1'-0"



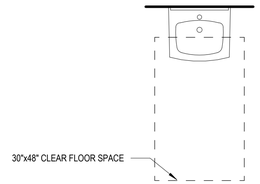
04 NON-AMBULATORY ACCESSIBLE STALL
1/2" = 1'-0"



03 ST1 ACCESSIBLE URINAL
1/2" = 1'-0"

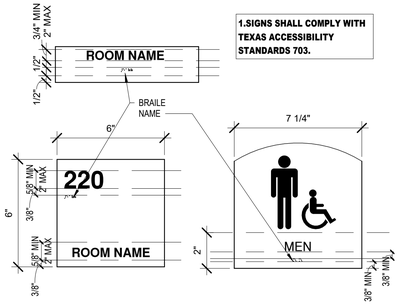


02 ACCESSIBLE TOILET STALL
1/2" = 1'-0"

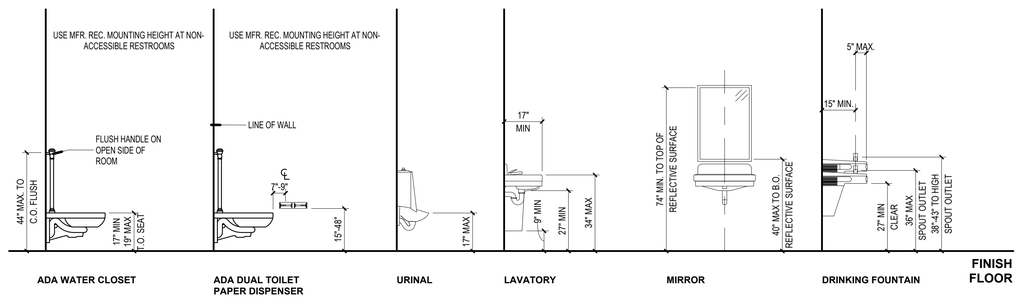


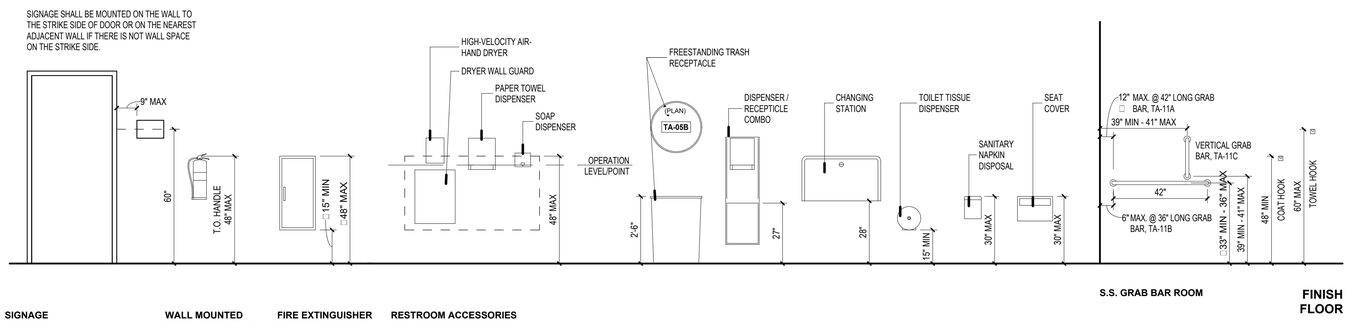
01 ACCESSIBLE LAVATORY
1/2" = 1'-0"

TACTILE SIGNAGE DETAILS



TYPICAL ACCESSIBLE MOUNTING HEIGHTS





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PROJECT NO. | 1514.003

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DESIGNER | MG, OG
DRAWER | JT, CV
CHECKER | MG, MK

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

TYPICAL DIAGRAMS & RR ACCESSORY SCHEDULE

A7.01

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STRUCTURAL GENERAL NOTES

I CODES AND SPECIFICATIONS

A. GENERAL BUILDING CODE

1. International Building Code 2015

B. CONCRETE CODES

1. ACI 318, American Concrete Institute Building Code.
2. ACI 301, Specifications for Structural Concrete for Buildings.
3. CRSI - Manual of Standard Practice.

C. STRUCTURAL STEEL CODES

1. AISC – Steel Construction Manual, Fiftteenth Edition.
2. ANSI/AWS D1.1, American Welding Society - Steel.

D. MASONRY CODES

1. ACI 530 / ASCE 5
2. ACI 530.1 / ASCE 6, Specification for Masonry Structures.

E. COLD FORMED STEEL (LIGHT GAGE METAL) CODE

1. American Iron and Steel Institute (AISI) "Specification for the Design of Cold Formed Steel Structural Members", Latest Edition.

F. WOOD CODE

1. NDS – National Design Specification for Wood Construction (2005).

G. CONFLICTS IN STRUCTURAL REQUIREMENTS

1. Where conflict exists among the various parts of the Structural and architectural Contract Documents, (Structural Drawings, General Notes, Specifications) the strictest requirements shall govern.
2. All Codes and Specifications listed above shall include all amendments and addenda in force at the date of the contract documents.

II TYPICAL DETAILS

- Details labeled "Typical Details" on the Drawings shall apply to all situations occurring on the Project that are the same or similar to those specifically detailed. Such details shall apply whether or not they are keyed in at each location. Questions regarding applicability of Typical Details shall be determined by the Engineer.

III DESIGN CRITERIA

A. DEAD LOADS

1. Dead loads. Dead load materials assumed in the design are shown on the Architectural and Structural Drawings.
2. Partitions: An allowance of 20 psf has been made for partitions as a uniformly distributed live load, wherever partitions are used and location subject to change excluding public lobbies, corridors, restrooms, and places of public assembly.

B. LIVE LOADS

OCCUPANCY	UNIFORM LOAD (PSF)	CONCENTRATED LOAD (#)
Handrails and guards	50plf or 200lbs applied at top rail in any direction. Intermediate rails = 50lbs applied in any direction.	
Restrooms	100	2000
Offices	50	2000
Public areas and corridors	100	
Roofs:		
Ordinary flat, pitched, or curved	20	
Awnings and canopies (fabric)	5	
Awnings and canopies (other)	20	
Storage:		
Heavy	250	
Light	125	
Yards and terraces, Pedestrian	100	

C. WIND LOADS ASCE 7-22

Basic wind speed (3-second gust) = 150 mph
Risk Factor II
Exposure Factor = C

D. SNOW LOAD ASCE 7-22

Pf = 5 psf

E. SEISMIC LOADS ASCE 7-22

1. Mapped acceleration parameters: Ss = 0.073, S1=0.04
2. Site Class = D
3. Importance factor, I = 1.0
4. Spectral response coefficients: SDS = 0.065, SD1 = 0.06
5. Seismic design category = A

IV FOUNDATION - GENERAL

A. GEOTECHNICAL REPORT

1. Foundation design is based on the following geotechnical report:

Proposed: "City of Angleton - Abigail Arias Park Improvement"
Prepared by: Terracon
Report No. AS255024
Dated: July 3, 2025

All recommendations therein that relate to the work shown on these drawings shall be followed.

B. FOUNDATION APPROVAL AND INSPECTION BY AUTHORIZED INSPECTOR

1. The General Contractor shall notify the Geotechnical Engineer or other authorized inspector for review of foundation bearing surface, inspection of foundation installation, and placement of reinforcing steel. The contractor shall not place concrete without inspector's approval.
2. The Contractor shall notify the authorized inspector 48 hours in advance of any major foundation pour.

C. GRADE BEAMS

1. Grade Beam Side Forms
   a. Form exposed faces of grade beams.
2. Grade beam bottom steel shall be chaired at 5 foot maximum centers using beam bolsters providing 3 inch bottom cover to reinforcing steel. Beam bolsters used shall be intended for support on soil.
3. Bottom bars of grade beam shall be spliced (where required) at the piers only. Top bars shall be spliced (where required) at the midspan of the grade beams. Lap length shall be 44 times bar diameter unless specified otherwise. Provide corner bars to match top and bottom steel.
4. Void forms under grade beams shall be capable of supporting the wet weight of concrete over it.

D. SLAB-ON-GRADE CONSTRUCTION

1. Slab on grade construction shall follow the recommendations of Guide for Concrete Floor and Slab Construction ACI 302.1R.
2. Subgrade Preparation shall conform to the soils report noted above. If report does not specify the amount of select fill, provide fill as required above to reduce PVR to 1 inch.
3. Provide (2) #4 x 4'-0" top and bottom at all slab on grade re-entrant corners.

E. VAPOR RETARDER

1. Vapor retarder shall have no more than 0.01 perms as tested before and after mandatory conditioning (ASTM E 1745 Section 7.1 and sub-paragraphs 7.1.2-5), meet or exceed the requirements of ASTM E 1745 Class A and be no less than 15 mils thick.
   a. STEGO WRAP VAPOR BARRIER (15 mils) Vaporguard by REEF Industries Ecosheild-E 15 mil by Epro Services
2. All seams shall be overlapped a minimum of 6 inches and taped with manufacturer's tape. All penetrations, block-outs, and openings shall be sealed using a combination of the vapor retarder, mastic and manufacturer's tape.

V SPREAD (DUG) FOOTING FOUNDATION

A. DESIGN SOIL PRESSURES

1. Allowable Pressures = 3000 psf under sustained loads
   = 4500 psf under total (Dead + Live) loads

B. FIELD INSPECTION OF BEARING STRATUM

1. The bearing stratum of each spread footing and all strip footings shall be inspected and approved by the Geotechnical Engineer or other authorized inspector prior to pouring of concrete.

C. FOOTING EXCAVATION

1. Footings shall be neat excavated where possible with sides and top edges free of loose or wet materials. Where neat excavation is not possible, footing excavation shall be open cut with edges formed and braced. All footings with formed edges shall be backfilled from bottom to top of footing with lean concrete or cement stabilized sand. The bottom excavation shall be clean and dry with all loose material removed for an essentially flat bearing surface. Excavations shall not be left overnight unless a 2 inch unreinforced seal (mud) slab is placed at the bottom of the footing excavation. Where soft or unsuitable bearing surfaces are encountered, the area shall be undercut as required and replaced with compacted fill, cement stabilized sand, or concrete as directed by the Geotechnical Engineer. Fill material, if used, shall be compacted in 6 inches maximum loose lifts to a minimum 95% of Standard Proctor Density (ASTM D 698) unless specified otherwise by the Geotechnical Engineer.

VI CONCRETE

A. DESIGN STRENGHS

1. All concrete shall conform to the 28-day compressive strength requirements as specified in the table below unless noted otherwise on the Drawings:

USAGE	STRENGTH (PSI)	TYPE	MAX. AGGR SIZE (IN)
Footings, Grade Beams	3000	NW	1 1/2
Plinths	3000	NW	1
Slab-on-Grade	3000	NW	1 1/2
Topping Slab	3000	LW	3/4

Notes:

NW = Normal weight concrete
AGGR = Aggregate

2. There shall be no horizontal cold joint in any concrete pour.
3. Admixtures used shall be compatible with floor treatments.
4. Concrete for slabs shall have a maximum water-cement ratio of 0.45.
5. Concrete shall comply with the requirements of ACI 301 and ACI 318.
6. Fly ash conforming to ASTM C618, Type F, may be used unless noted otherwise. The maximum amount of fly ash shall be 25% of the total cementitious material by weight.

VII REINFORCING STEEL

A. SPECIFICATION

1. ASTM A 615 Grade 60 unless noted otherwise on the drawings. Welded Reinforcing Steel - ASTM A 706.
2. Welded Wire Fabric: Welded smooth wire fabric, ASTM A 185, yield strength 65,000 psi. Welded deformed wire fabric for ASTM A 497, yield strength 70,000 psi. All welded wire fabric shall be furnished in flat sheets only. Wherever welded wire fabric is specified as reinforcement, it shall be continuous across the entire concrete surface and not interrupted by beams or girders and properly lapped one cross wire spacing plus 2 inches.

B. REINFORCING STEEL COVERAGE

1. Cover in structural members not specified below shall conform to the requirements of ACI 318 Section 7.7 unless specified otherwise on the drawings.
   a. Foundation Members:

Grade Beams	1 1/2" top, 3" bottom, 3" sides
Basement Walls	2" dirt face, 3/4" interior face
Foundation Retaining Walls	2" both faces
Sump Walls, Pit Walls	2" both faces
Spread Footings, Combined Footings	3" bottom and sides, 2" top
Underreamed Footings	3" sides
Drilled Piers	3" sides
Interior Slab-on-Grade	see details
Exterior Slab-on-Grade	2" top cover for one layer of steel. 2" top cover, 3" bottom cover for two layers of steel.

VIII STRUCTURAL STEEL

A. MATERIAL

Wide flanged sections	ASTM A992 GR 50
Tubes	ASTM A500 GR B
Pipes	ASTM A53 GR B or ASTM A501
Connection material	ASTM A36 unless stronger required
Anchor rods	ASTM F1554-36 u.n.o

1. All hot rolled steel plates, shapes and bars shall be new steel conforming to ASTM Specification A6-84c.

B. CONNECTIONS

1. Typical connection details are indicated on the Drawings.
2. The design of all steel connections shall be performed under the direct supervision of a registered professional engineer in the state where the project is located, employed by the fabricator. Calculations sealed by the fabricator's professional engineer must be submitted if requested.
3. It is the intention of the plans and specifications that shop connections be welded or bolted and that field connections be bolted, unless detailed otherwise on the Drawings.
4. All typical beam simple connections shall be standard double angle or single angle framed beam connections. Shear tab connections may be used at locations where double angle connections are not possible. Seated beam connections shall not be used unless indicated on the Drawings. Provide full depth shear tab if beam frames on only one side of a girder.
5. Beam Reactions

   Non-Composite beams: Design connections to support a reaction R (unless specified otherwise) equal to one half the total uniform load capacity from the table of Uniform Load Constants in the AISC Manual.
6. Bracing connections shall develop full tensile forces at each end of the bracing member unless bracing forces are specified on the Drawings.
7. MC = Moment Connections
8. Welds:
   a. All bolts shall conform to ASTM A325 Type 1, High Strength Bolts. All bolts shall be designed as bearing bolts with threads included in the shear plane. Minimum bolt diameter shall be 3/4 inch. All bolts shall be tightened to a snug-tight position, unless noted below.
   b. All bolts at braces and moment connections shall be tightened using load indicating washers or tension bolts.
   c. All bolts shall be new and shall not be re-used.

C. GALVANIZING

1. All steel exposed to weather or outside the building's waterproofing, such as brick shelf angles, shall be hot-dipped galvanized after fabrication.
2. All steel surfaces to be hot dip galvanized shall be prepared as specified by the Steel Structures Painting Council (SSPC).
3. The zinc coating for steel shapes and plates shall average not less than 2.3 oz. with no individual thickness less than 2.0 oz.
4. Galvanize all nuts, bolts, and washers used in the connection of galvanized steel.
5. Protect all field welded connections with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Product Company.

D. MISCELLANEOUS – STAIRS AND HANDRAILS

1. Handrails and guardrails (including attachment to structure) shall be designed by the fabricator for the loads indicated in the referenced Building Code. Shop drawings shall be sealed by a Professional Engineer in the state of Texas, representing the fabricator.
2. Stairs shall be designed by the fabricator for code required loads. Shop drawings shall be sealed by a Professional Engineer in the state of Texas, representing the fabricator.

IX LIGHT GAGE METAL

A. SPECIFICATIONS

1. All structural members and connections shall be designed and erected per the American Iron and Steel Institute (AISI) Specifications noted above.
2. All studs and/or joists and accessories shall be of the type, size, gauge and spacing shown on the Drawings. All joists and studs shall have 1 5/8" flange with 1/2" return unless specified otherwise.
3. All framing members shall be manufactured from corrosion resistant steel conforming to ASTM A 653 (G60) with a minimum yield strength of 50 ksi for studs and joist members and 33 ksi for runner and track members and flat strap bracings.
4. Prior to fabrication, the contractor shall submit erection drawings to structural engineer for review and approval.
5. All framing components shall be cut squarely for attachment to perpendicular members, or as required for an angular fit against abutting members.

B. DESIGN

1. Fastening of components shall be with self-drilling screws or welding of sufficient size to ensure the strength of the connection.
2. Studs shall have full bearing against inside track web, prior to stud and track attachment.
3. Splices in framing components except runners track shall not be permitted.
4. For non-load bearing studs, connections shall consider the deflection (1/2") of structural members to which the studs are attached. Provide slide clips and/or deflection slip tracks.

C. ERECTION

1. Erect framing and panels plumb, level and square in strict accordance to approved shop drawings.
2. Track shall be securely anchored to the supporting structure. Proposed connection to be submitted for approval unless specified otherwise on drawings. Abutting pieces of track shall be securely spliced together.
3. Jack studs or cripples shall be installed below window sills, above window and door heads, and elsewhere to furnish support, and shall be securely attached to connecting members.
4. Provide horizontal bridging in all stud systems at four feet on centers vertically for axially loaded studs, and at six feet on centers vertically for non-load bearing studs. Weld at each stud intersection.

X NON-SHRINK GROUT FOR BASE PLATES AND BEARING PLATES

A. SPECIFICATIONS

1. Grout for base plates and bearing plates shall be a non-metallic, shrinkage resistant, premixed, non-corrosive, non-staining product containing Portland cement, silica sands, shrinkage compensating agents, and fluidity improving compounds.
2. Grout shall conform to Corps of Engineers Specification for Non-Shrink Grout, CE-CRD-C621. Twenty-eight day compressive strength as determined by grout cube tests, shall be 5,000 PSI. Minimum thickness of grout under all base plates and bearing plates shall be 1 inch, unless specified otherwise on the drawings.
3. Grout shall be placed in a fluid flowable state under base plates that have a form built around them for grout confinement. Grout should be cured according to manufacturer's recommendations.

XI ROOF DECK

A. SCHEDULE

1. Roof deck shall be 3 X 6 Tongue and Groove decking.

XII CONCRETE MASONRY

A. SPECIFICATION

1. All masonry materials and construction shall conform to the recommendations of the Brick Institute of America (BIA) and National Concrete Masonry Association (NCMA) and masonry codes noted in these general notes.
2. All concrete masonry units (CMU) shall conform to ASTM C90, Type 1, Grade N. Unless specified otherwise, CMU shall be lightweight (less than 105 PCF, oven dry unit weight). The minimum compressive strength of masonry (f'm) shall be 1,500 psi as determined by the unit strength method or by the prism test method. All masonry units shall be placed in running bond.
3. Mortar:
   a. Unless specified otherwise, all mortars and the materials therein shall conform to the standard specifications of Masonry Units, ASTM C270, Type S except for masonry in contact with the earth shall be Type M.
   b. Mortar shall have minimum average strength of 1900 psi for Type M, or S.
4. Grout:
   a. All Grout shall be fine grout containing sand, Portland cement, and lime (optional) for grout spaces less than 2 inches in any horizontal direction, unless specified otherwise.
   b. Grout shall attain a minimum 28 days compressive strength of 2500 psi tested according to ASTM C476.
5. Control Joints shall be located per Architectural drawings and specifications or at a maximum spacing of 40 feet on centers.

B. REINFORCEMENT

1. Provide horizontal reinforcing (truss or ladder type, 9 gauge) at 16 inches on center for all CMU walls. Reinforcement shall conform to ASTM A82 and shall be hot dip galvanized.
2. All horizontal reinfor

XIII SUBMITTALS

A. SHOP DRAWINGS

1. The General Contractor shall submit for Engineer review shop drawings for the following items:
   a. Structural Steel (*)
   b. Reinforcing Steel
   c. Metal Deck
   d. Concrete Mix Designs
   e. Miscellaneous Steel

   Note:
   Items marked (*) shall have shop drawings sealed by a registered engineer in the state where the project is located. Items marked (#) shall be submitted to Engineer for Owner's record only and will not have Engineer's shop drawing stamp.
2. All shop drawings must be reviewed and sealed by the General Contractor prior to submittal.
3. Contractor shall submit electronic copies (e.g. pdfs) of all shop drawings specified to be returned by the Engineer.
4. The omission from the shop drawings of any material required by the Contract Documents to be furnished shall not relieve the contractor of the responsibility of furnishing and installing such materials, regardless of whether the shop drawings have been reviewed and approved.

B. MANUFACTURER'S LITERATURE

1. Submit two copies of manufacturer's literature for all materials and products used in construction on the project.

C. REPRODUCTION

1. The use of reproductions of these Contract Documents by any contractor, subcontractor, erector, fabricator, or material supplier in lieu of preparation of shop drawings signifies his acceptance of all information shown herein as correct, and obligates himself to any job expense, real or implied, arising due to any errors that may occur herein.

XIV SITE OBSERVATION BY THE STRUCTURAL ENGINEER

A. The contract structural drawings and specifications represent the finished structure, and except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, and procedures, techniques, and sequence.

B. The Engineer shall not have control or charge of, and shall not be responsible for, construction means, methods, techniques, sequences, or procedures, for safety precautions and programs in connection with the work, for the acts or omission of the Contractor, Subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.

C. Periodic site observation by field representatives are solely for the purpose of determining if the work of the Contractor is proceeding in accordance with the structural contract documents. This limited site observation should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.

XV MISCELLANEOUS

A. CONTRACT DOCUMENTS

1. It is the responsibility of the General Contractor to obtain all Contract Documents and latest addenda and to submit such documents to all subcontractors and material suppliers prior to the submittal of shop drawings, fabrication of any structural members, and erection in the field.

B. DRAWING CONFLICTS

1. The General Contractor shall compare the Architectural and Structural drawings and report any discrepancy between each set of drawings and within each set of drawings to the Architect and Engineer prior to the fabrication and installation of any structural members.

C. EXISTING CONDITIONS

1. The General Contractor shall verify all dimensions and existing conditions at the job site and report any discrepancies from assumed conditions shown on the drawings to the Architect and Engineer prior to the fabrication and erection of any members.

D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION

1. All structural elements of the project have been designed by the Structural Engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the structure is tied together and completed.

E. HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS

1. There shall be no horizontal construction joints in any concrete pours unless shown on the drawings. All deviations or additional joints shall be approved in writing by the Architect/Engineer.

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10/14/2025

SEAL:

BRIAN W. FREY, PE
TEXAS #143190
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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGNER | BF
DRAWER | HG
CHECKER | BF

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
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GENERAL NOTES

S0.01

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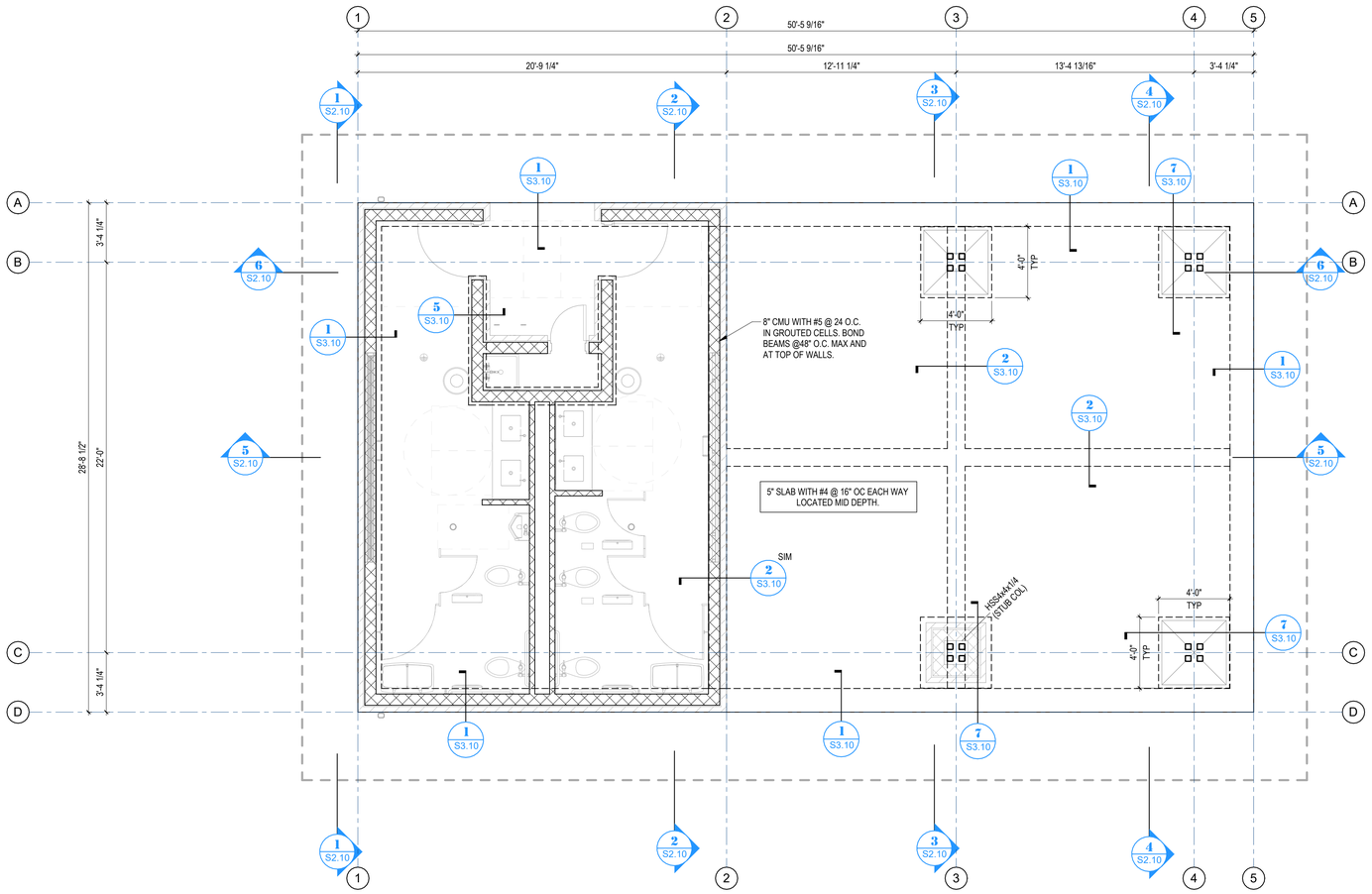

1 FOUNDATION PLAN

1/4" = 1'-0"

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FOUNDATION PLAN

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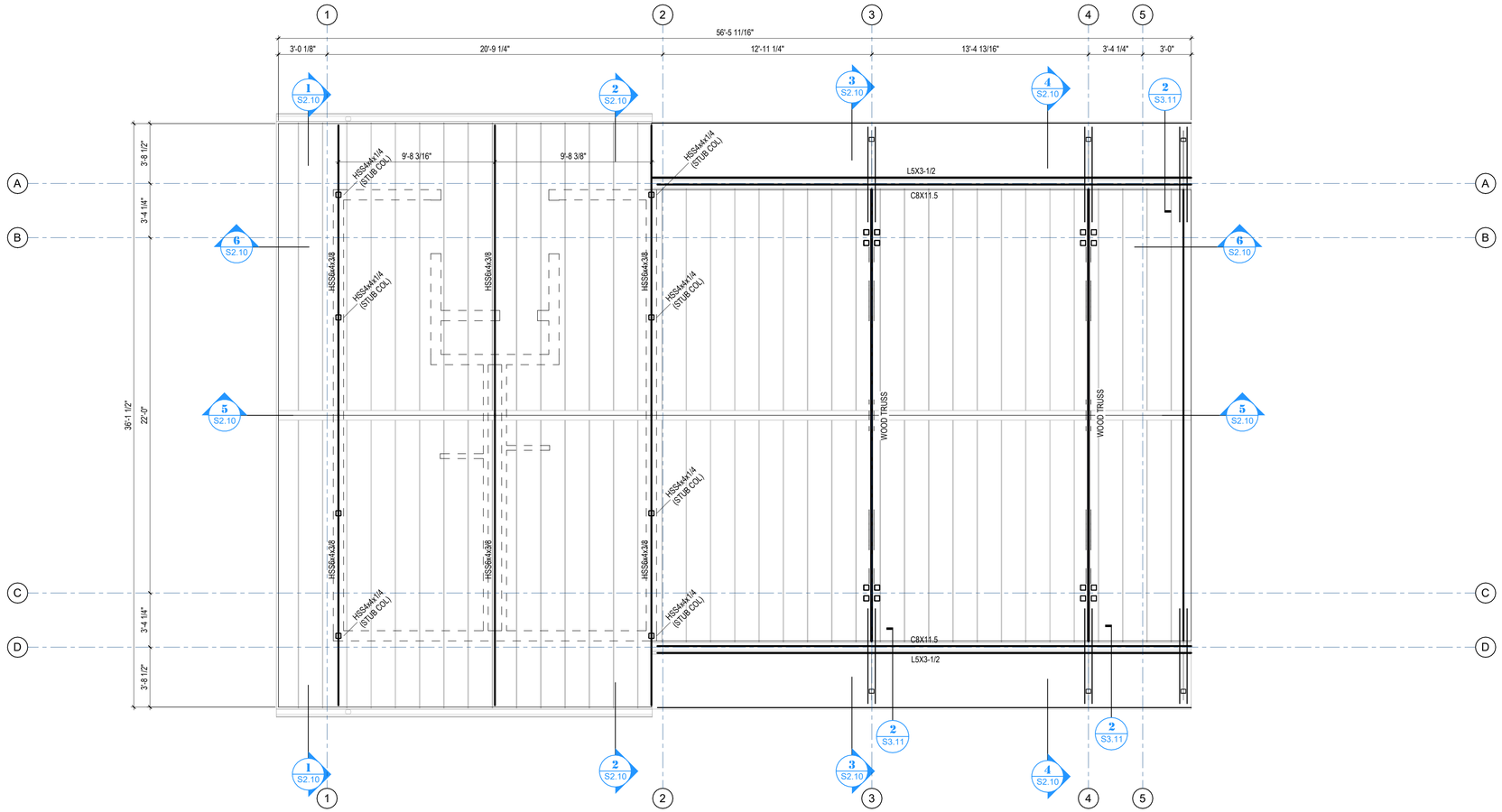

1 ROOF FRAMING PLAN

1/4" = 1'-0"

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ROOF FRAMING PLAN

S1.02

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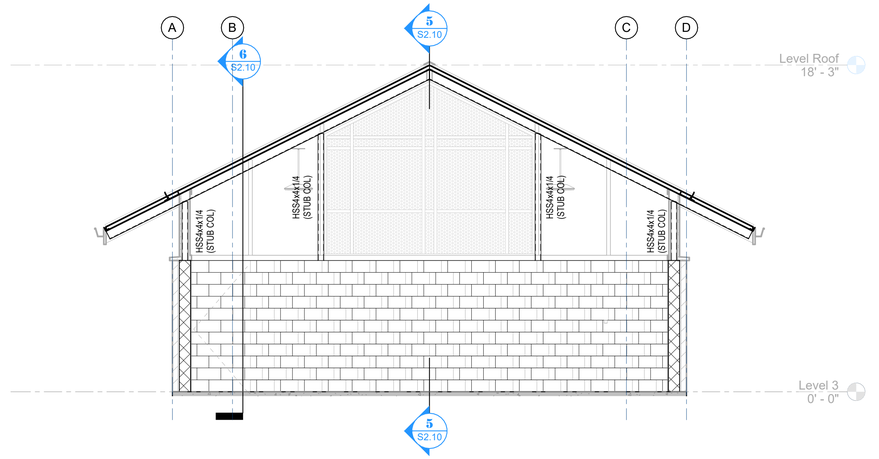
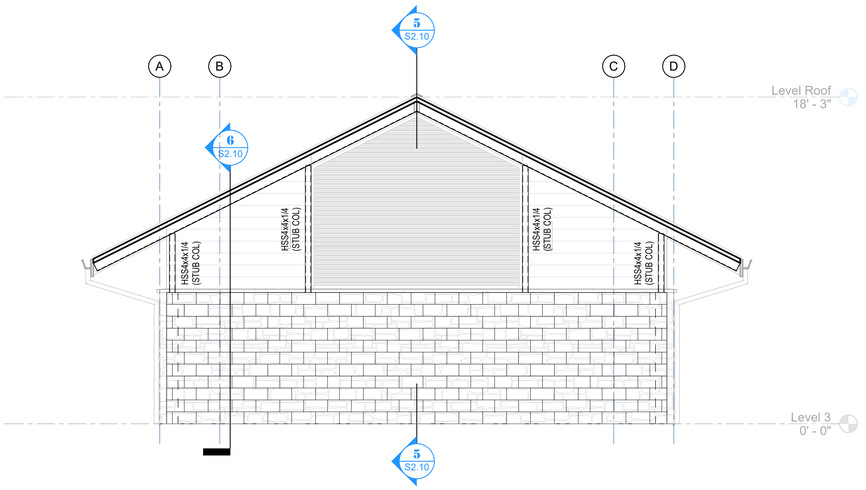


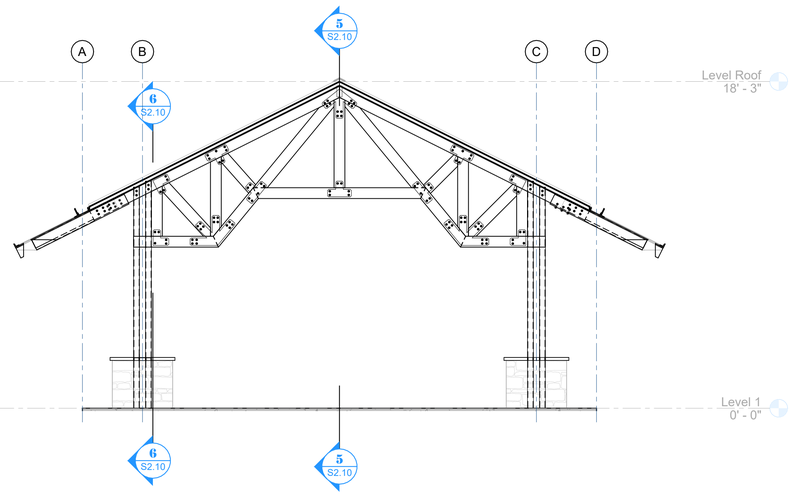
2 GENERAL FRAMING SECTION

1/4" = 1'-0"



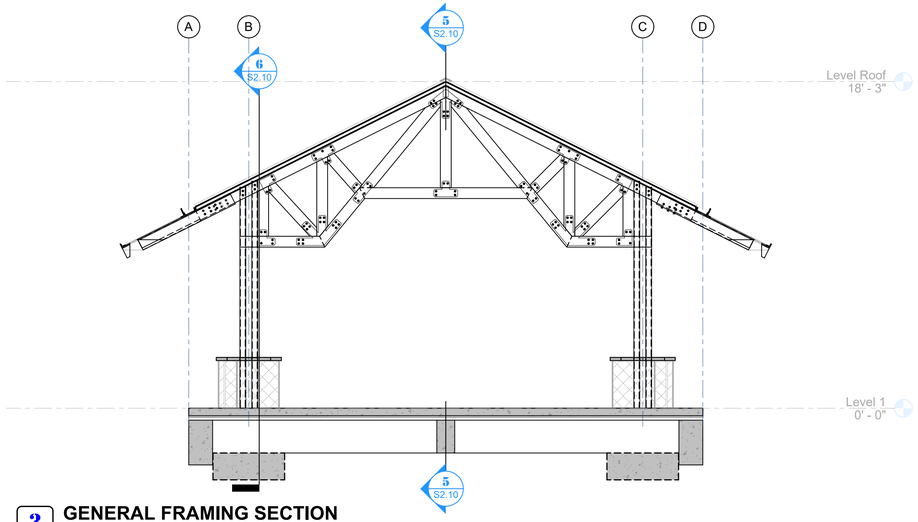
1 GENERAL FRAMING SECTION

1/4" = 1'-0"



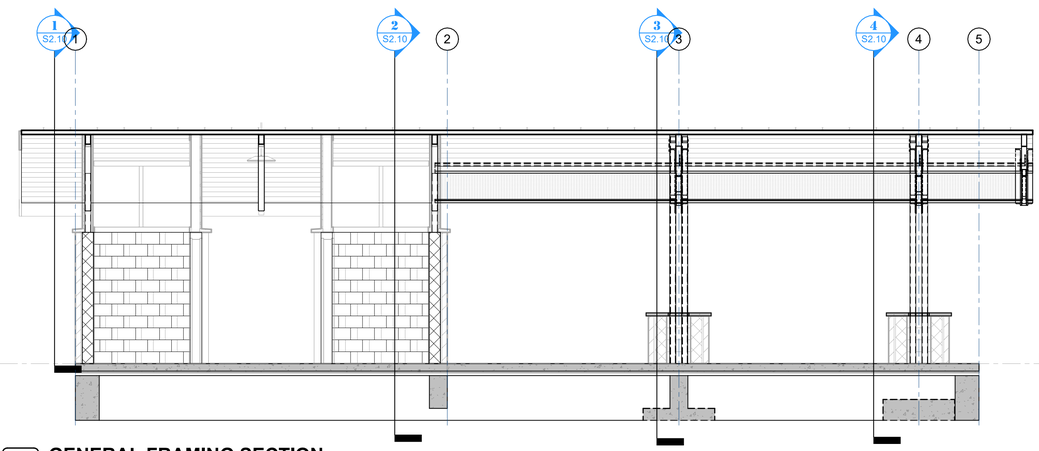
4 GENERAL FRAMING SECTION

1/4" = 1'-0"



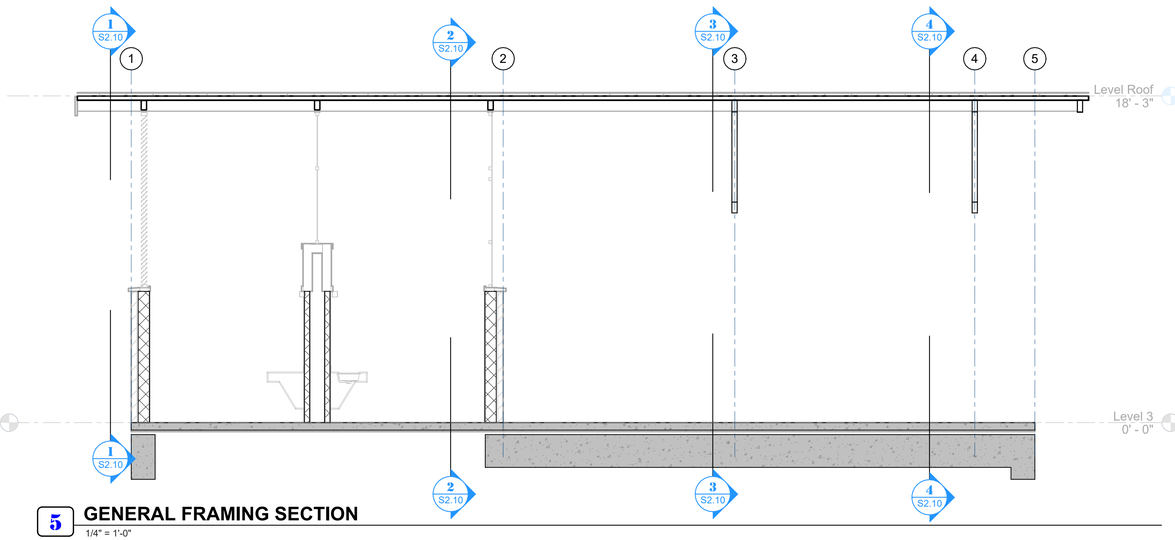
3 GENERAL FRAMING SECTION

1/4" = 1'-0"



6 GENERAL FRAMING SECTION

1/4" = 1'-0"



5 GENERAL FRAMING SECTION

1/4" = 1'-0"

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

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GENERAL FRAMING SECTIONS

S2.10

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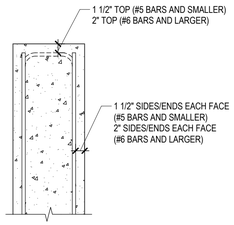
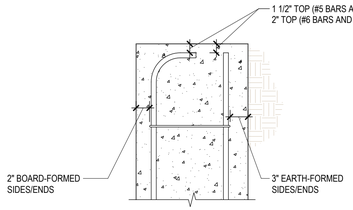


NOTES:
1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

4 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN FOUNDATION WALLS

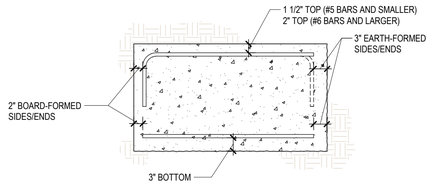
NO SCALE



NOTES:
1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

3 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN PLINTHS/PILASTERS

NO SCALE



NOTES:
1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

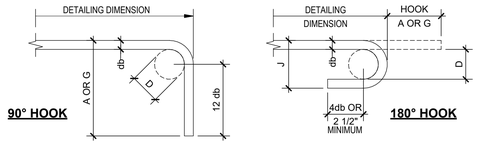
2 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN SPREAD FOOTINGS

NO SCALE

NOTES:
1. CONCRETE PROFILES AND REINFORCING STEEL CONFIGURATIONS ARE SCHEMATIC AND ARE PROVIDED FOR ESTABLISHING TYPICAL CLEAR CONCRETE COVERS ONLY. REFER TO STRUCTURAL PLANS AND DETAILS FOR ALL OTHER INFORMATION.
2. ALL COVERS SHOWN ARE CLEAR FROM THE OUTERMOST SURFACE OF REINFORCING STEEL TO THE CLOSEST OUTER SURFACE OF THE CONCRETE, INCLUDING REVEALS, DRIP GROOVES, OR RUSTICATIONS.
3. WHERE COVERS ARE DIFFERENT AS A FUNCTION OF BAR SIZE, DETAILER SHALL ADJUST LOCATION OF TRANSVERSE REINFORCING STEEL AS REQUIRED SUCH THAT CLEAR COVERS ARE MET FOR BOTH TRANSVERSE AND LONGITUDINAL STEEL.

1 NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL

NO SCALE



END HOOK DIMENSIONS

BAR SIZE	FINISHED BEND DIAMETER D, (INCHES)	180° HOOKS		90° HOOK
		A OR G, (INCHES)	J, (INCHES)	A OR G, (INCHES)
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

D = INSIDE DIAMETER OF BEND

9 TYPICAL END HOOK TYPES

NO SCALE

DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION

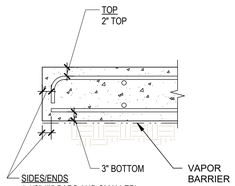
GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE

BAR SIZE	f'c=3000 PSI		f'c=4000 PSI		f'c=5000 PSI		f'c=6000 PSI		f'c=7000 PSI		f'c=8000 PSI		BAR SIZE
	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	Lhb	0.7 Lhb	
#3	9	7	8	6	7	6	6	6	6	6	6	6	#3
#4	11	8	10	7	9	7	8	6	8	6	7	6	#4
#5	14	10	12	9	11	8	10	7	9	7	9	7	#5
#6	17	12	15	11	13	10	12	9	11	8	11	8	#6
#7	20	14	17	12	15	11	14	10	13	10	12	9	#7
#8	22	16	19	14	17	12	16	12	15	11	14	10	#8
#9	25	18	22	16	20	14	18	13	17	12	16	12	#9
#10	28	20	25	18	22	16	20	14	19	14	18	13	#10
#11	31	22	27	19	24	17	22	16	21	15	19	14	#11
#14	38	-	33	-	29	-	27	-	25	-	23	-	#14
#18	50	-	43	-	39	-	35	-	33	-	31	-	#18

NOTES:
1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION (INCHES).
2. Ldh = Lhb UNLESS CONDITIONS OF NOTE 3 ARE SATISFIED.
3. Ldh = 0.7Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLANE OF HOOK) IS NOT LESS THAN 2 1/2 INCHES AND FOR 90° HOOKS COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES.
4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.
5. Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED REINFORCING BARS.

8 TYPICAL DEVELOPMENT LENGTHS OF STANDARD HOOKS IN TENSION

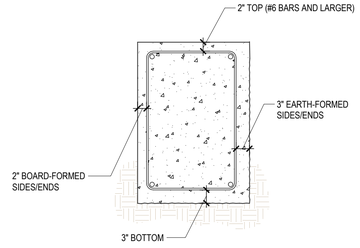
NO SCALE



NOTES:
1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

6 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN SLABS-ON-GRADE

NO SCALE



NOTES:
1. REFER TO "NOTES FOR TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL" FOR ADDITIONAL INFORMATION.

5 TYPICAL CLEAR CONCRETE COVER FOR REINFORCING STEEL IN GRADE BEAMS

NO SCALE

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TYPICAL FOUNDATION DETAILS

S3.00

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WALL VERTICAL BAR TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE

BAR SIZE	LAP CLASS	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI		f'c = 6000 PSI	
		CATEGOR Y	CATEGOR Y	CATEGOR Y	CATEGOR Y	CATEGOR Y	CATEGOR Y	CATEGOR Y	CATEGOR Y
#4	A	17	17	15	15	15	15	15	15
	B	22	22	19	19	17	17	16	16
#5	A	21	25	19	21	19	19	19	19
	B	27	32	24	28	21	25	19	23
#6	A	25	33	23	29	23	26	23	24
	B	33	43	28	37	25	34	23	31
#7	A	41	48	35	42	32	38	29	34
	B	53	63	46	54	41	49	38	45
#8	A	51	55	44	48	40	43	36	39
	B	66	72	57	62	51	56	47	51
#9	A	62	62	54	54	48	48	44	44
	B	81	81	70	70	63	63	57	57

NOTES:
1. ALL SPLICE LENGTHS ARE IN INCHES.
2. THIS TABLE SHALL BE USED FOR WALL VERTICAL BARS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR WALL HORIZONTAL BARS AND OTHER MEMBERS.
3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH.
4. FOR DETERMINING THE BAR CATEGORY, "db" IS DEFINED AS THE DIAMETER OF THE LARGER BAR BEING SPLICED.
5. THE "CATEGORY 1" LAP LENGTH SHALL BE USED WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE IS EQUAL TO OR GREATER THAN 3db.
6. THE "CATEGORY 2" LAP LENGTH SHALL BE USED WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE IS LESS THAN 3db AND GREATER THAN 2db.
7. WHEN THE CLEAR SPACING BETWEEN BARS AT THE SPLICE IS EQUAL TO OR LESS THAN 2db, SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF BARS ARE SPLICED AT ANY GIVEN LOCATION. REFER TO "TYPICAL CLEAR SPACING CRITERIA OF LAP SPLICED BARS, STAGGERED SPLICES " FOR CRITERIA TO DETERMINE CLEAR SPACING "S" FOR BARS AT STAGGERED SPLICES.
8. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS BY 1.5.
9. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

4 TYPICAL WALL VERTICAL BAR TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

NO SCALE

WALL HORIZONTAL BAR TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE

BAR SIZE	LAP CLASS	f'c = 3000 PSI	f'c = 4000 PSI	f'c = 5000 PSI
#3	A	13	12	12
	B	17	16	16
#4	A	22	19	17
	B	29	25	23
#5	A	32	28	25
	B	42	37	33
#6	A	43	37	34
	B	56	49	45
#7	A	69	60	54
	B	90	78	71
#8	A	86	74	67
	B	112	97	88
#9	A	104	90	81
	B	136	117	106

NOTES:
1. ALL SPLICE LENGTHS ARE IN INCHES.
2. THIS TABLE SHALL BE USED FOR WALL HORIZONTAL BARS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR WALL VERTICAL BARS AND OTHER MEMBERS.
3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH.
4. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS BY 1.3.
5. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

3 TYPICAL WALL HORIZONTAL BAR TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

NO SCALE

SLAB TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

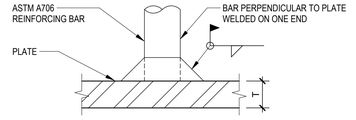
GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE

BAR SIZE	LAP CLASS	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI	
		BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS
#3	A	12	13	12	12	12	12
	B	16	17	16	16	16	16
#4	A	17	22	15	19	13	17
	B	23	29	20	25	17	23
#5	A	25	32	21	28	19	25
	B	33	42	28	37	25	33
#6	A	33	43	29	37	26	34
	B	43	56	38	49	34	45
#7	A	53	69	46	60	42	54
	B	69	90	60	78	55	71
#8	A	66	86	57	74	51	67
	B	86	112	75	97	67	88
#9	A	80	104	69	90	62	81
	B	104	136	90	117	81	106

NOTES:
1. ALL SPLICE LENGTHS ARE IN INCHES.
2. THIS TABLE SHALL BE USED FOR SLABS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR OTHER MEMBERS.
3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH.
4. A BOTTOM BAR IS DEFINED AS ANY BAR THAT DOES NOT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.
5. OTHER BARS INCLUDE TOP BARS AND ALL OTHER BARS THAT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR. FOR TOP REINFORCEMENT IN SLABS THAT ARE 12" THICK OR LESS, TABULATED SPLICE LENGTHS FOR BOTTOM BARS SHALL BE USED.
6. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS OF BOTTOM BARS BY 1.5 AND THE TABULATED SPLICE LENGTHS OF OTHER BARS BY 1.3.
7. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

2 TYPICAL SLAB TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

NO SCALE



DEVELOPMENT OF WELDABLE REINFORCEMENT

GRADE 60 REINFORCEMENT, E70 ELECTRODE

BAR SIZE	NOMINAL WELD SIZE (INCHES)	MINIMUM PLATE THICKNESS, T (INCHES)
#3	1/4	1/4
#4	5/16	1/4
#5	3/8	1/4
#6	7/16	5/16
#7	1/2	3/8
#8	9/16	7/16
#9	5/8	1/2
#10	11/16	9/16
#11	3/4	5/8

1 TYPICAL DEVELOPMENT OF WELDABLE REINFORCEMENT

NO SCALE

BEAM AND GIRDER TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

GRADE 60 REINFORCEMENT, NORMALWEIGHT CONCRETE

BAR SIZE	LAP CLASS	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI		f'c = 6000 PSI		f'c = 7000 PSI		f'c = 8000 PSI	
		BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS	BOTTOM BARS	OTHER BARS
#3	A	12	13	12	12	12	12	12	12	12	12	12	12
	B	16	17	16	16	16	16	16	16	16	16	16	16
#4	A	16	20	14	18	12	16	12	15	12	14	12	13
	B	21	26	19	24	16	21	16	20	16	19	16	17
#5	A	23	29	20	25	18	23	16	21	15	19	14	18
	B	30	38	26	33	24	30	21	28	20	25	19	24
#6	A	31	40	27	35	24	31	22	28	20	26	19	25
	B	41	52	36	46	32	41	29	37	26	34	25	33
#7	A	46	60	40	52	36	46	33	42	30	39	28	37
	B	60	78	52	68	47	60	43	55	39	51	37	49
#8	A	60	78	52	67	46	60	42	55	39	51	37	48
	B	78	102	68	88	60	78	55	72	51	67	49	63
#9	A	64	84	56	72	50	65	46	59	42	55	40	51
	B	84	110	73	94	65	85	60	77	55	72	52	67
#10	A	72	93	62	81	56	72	51	66	47	61	44	57
	B	94	121	81	106	73	94	67	86	62	80	58	75
#11	A	85	110	74	96	66	86	60	78	56	72	52	68
	B	111	143	97	125	86	112	78	102	73	94	68	89

NOTES:
1. ALL SPLICE LENGTHS ARE IN INCHES.
2. THIS TABLE SHALL BE USED FOR BEAMS AND GIRDERS ONLY. REFER TO OTHER DEVELOPMENT LENGTH TABLES FOR OTHER MEMBERS.
3. THE TENSION DEVELOPMENT LENGTH (Ld) IS EQUAL TO THE SCHEDULED "CLASS A" LAP SPLICE LENGTH.
4. A BOTTOM BAR IS DEFINED AS ANY BAR THAT DOES NOT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.
5. OTHER BARS INCLUDE TOP BARS, FACE BARS, AND ALL OTHER BARS THAT HAVE MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.
6. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED SPLICE LENGTHS OF BOTTOM BARS BY 1.5 AND THE TABULATED SPLICE LENGTHS OF OTHER BARS BY 1.3.
7. WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR BUT MAY NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.

5 TYPICAL BEAM AND GIRDER TENSION DEVELOPMENT AND LAP SPLICE LENGTHS

NO SCALE

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ISSUANCE:

CD 60%

10/14/2025

SEAL:

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

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DRAWER | HG
CHECKER | BF

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE
	60% CD	10/14/2025

FOUNDATION TYPICAL DETAILS

S3.01

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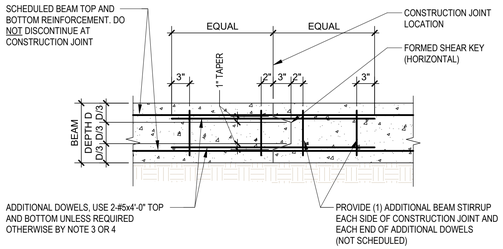
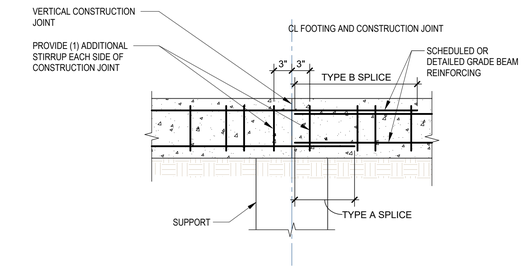


NOTES:
1. GENERAL CONTRACTOR SHALL SUBMIT DESIRED CONSTRUCTION JOINT LAYOUT AS A SHOP DRAWING FOR APPROVAL A MINIMUM OF TWO WEEK PRIOR TO POUR.
2. CONSTRUCTION JOINT LOCATIONS SHALL BE COORDINATED WITH REINFORCING STEEL SUPPLIER AND ERECTOR.
3. ACCEPTABLE JOINT LOCATIONS ARE AS FOLLOWS:
   a. FOR BEAMS NOT SUPPORTING INTERSECTING BEAMS: PLACE JOINT MIDDLE THIRD OF SPAN.
   b. FOR BEAMS SUPPORTING INTERSECTING BEAMS, CHECK WITH STRUCTURAL ENGINEER.
4. FOR JOINT LOCATIONS OTHER THAN WITHIN MIDDLE THIRD OF SPAN, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE ENGINEER ON THE SHOP DRAWINGS.

4 TYPICAL GRADE BEAM CONSTRUCTION JOINT

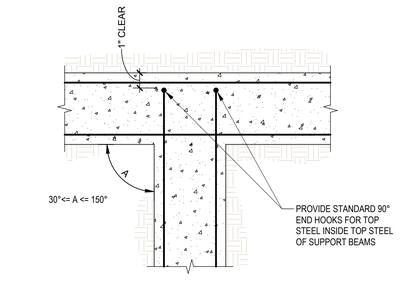
NO SCALE



NOTES:
1. NORMAL GRADE BEAM REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.

3 TYPICAL GRADE BEAM CONSTRUCTION JOINT ALTERNATE DETAIL

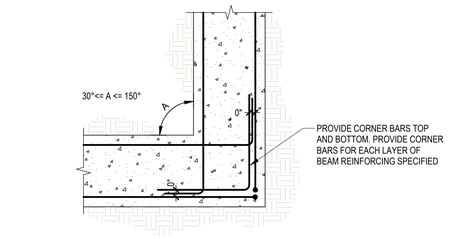
NO SCALE



NOTES:
1. GRADE BEAMS SHALL BE POURED MONOLITHICALLY AT INTERSECTIONS. REFER TO TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL FOR ACCEPTABLE CONSTRUCTION JOINT LOCATIONS.

2 TYPICAL GRADE BEAM "T" INTERSECTION TOP BAR PLACEMENT DIAGRAM (PLAN VIEW)

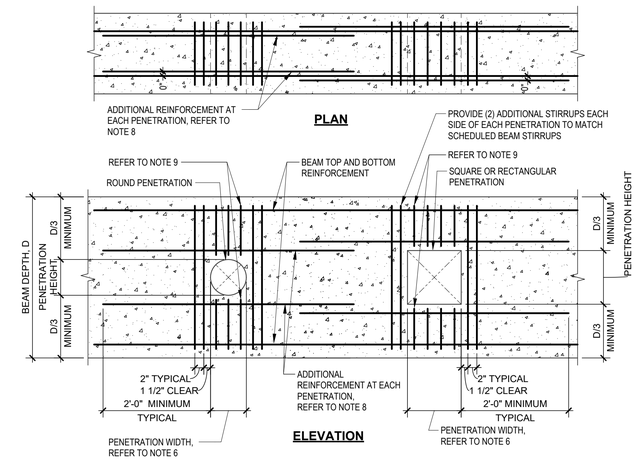
NO SCALE



NOTES:
1. GRADE BEAMS SHALL BE POURED MONOLITHICALLY AROUND CORNERS. REFER TO TYPICAL GRADE BEAM CONSTRUCTION JOINT DETAIL FOR ACCEPTABLE CONSTRUCTION JOINT LOCATIONS.

1 TYPICAL GRADE BEAM REINFORCING STEEL SPLICE AT CORNERS (PLAN VIEW)

NO SCALE



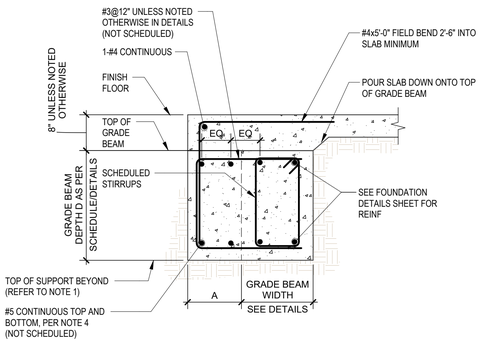
NOTES:
1. GENERAL CONTRACTOR SHALL COORDINATE LOCATION, SIZE, AND ELEVATION AND INCLUDE IN HIS CONTRACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE BEAMS WHETHER SHOWN ON STRUCTURAL DRAWINGS OR NOT.
2. WHERE BEAM PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED PENETRATIONS FOR REVIEW AND APPROVAL.
3. "D" DENOTES THE DEPTH OF BEAM.
4. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS NOTED OTHERWISE BY THE STRUCTURAL ENGINEER.
5. PENETRATIONS SHALL BE LOCATED ACCORDING TO THE FOLLOWING CRITERIA:
   a. FOR BEAMS NOT SUPPORTING INTERSECTING BEAMS LOCATE PENETRATIONS WITHIN TWO FEET EITHER SIDE OF BEAM MIDSPAN.
   b. FOR BEAMS SUPPORTING INTERSECTING BEAMS CHECK WITH STRUCTURAL ENGINEER.
6. PENETRATION WIDTH MUST NOT EXCEED PENETRATION HEIGHT, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
7. FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE REQUIRED ADDITIONAL REINFORCEMENT WITH THE STRUCTURAL ENGINEER.
8. PROVIDE THE FOLLOWING REINFORCEMENT AT EACH SLEEVE, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS:
   1-#5 TOP AND BOTTOM AT BEAMS WITH WIDTHS LESS THAN 9".
   2-#5 TOP AND BOTTOM AT BEAMS WITH 2-LEG STIRRUPS.
   4-#5 TOP AND BOTTOM AT BEAMS WITH 4-LEG STIRRUPS.
   "N"-#5 TOP AND BOTTOM AT BEAMS WITH "N"-LEG STIRRUPS.
9. PROVIDE ADDITIONAL STIRRUPS ABOVE AND BELOW PENETRATIONS AT SPACING NOT TO EXCEED ONE THIRD OF THE SCHEDULED STIRRUP SPACING, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
10. SCHEDULED BEAM STIRRUPS NOT SHOWN FOR CLARITY.

8 TYPICAL HORIZONTAL PENETRATION IN CONCRETE BEAM

NO SCALE

6 TYPICAL WALL TRACK ANCHOR DETAIL

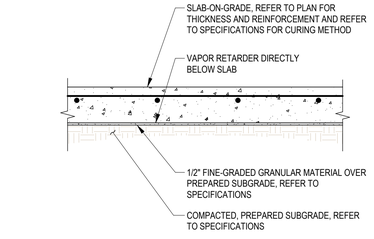
12" = 1'-0"



NOTES:
1. WHERE GRADE BEAMS OF UNEQUAL DEPTH FRAME TO THE SAME SUPPORT, TOP OF SUPPORT SHALL BE AT THE BOTTOM OF THE DEEPEST GRADE BEAM. POUR SHALLOWER BEAM DOWN ONTO SUPPORT.
2. REFER TO GENERAL NOTES FOR CLEAR COVER AT SIDES, TOP AND BOTTOM OF BEAM.
3. REFER TO PLAN FOR WIDENED DIMENSION "A".
4. FOR BEAMS WIDENED 3" OR MORE, PROVIDE THE FOLLOWING ADDITIONAL REINFORCEMENT:
   3"≤As≤12": 1-#5 TOP AND 1-#5 BOTTOM
   12"<As≤24": 2-#5 TOP AND 2-#5 BOTTOM
   24"<As≤36": 3-#5 TOP AND 3-#5 BOTTOM
   A>36": CONSULT WITH STRUCTURAL ENGINEER

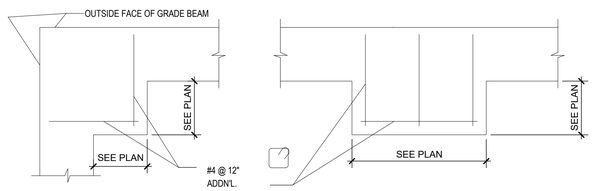
5 TYPICAL EXTERIOR WIDENED GRADE BEAM

NO SCALE



12 TYPICAL SLAB-ON-GRADE SUBGRADE PREPARATION

NO SCALE

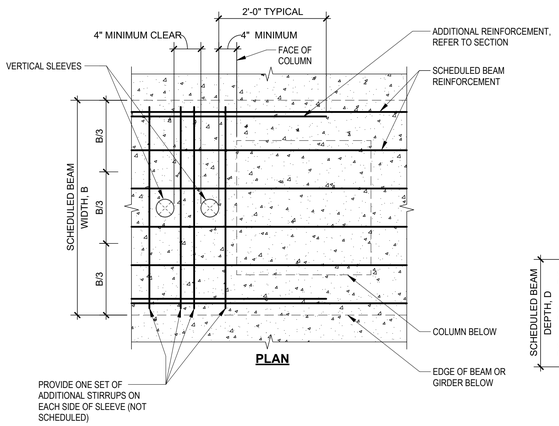


NOTES:
1. PLAN VIEWS FOR TYPICAL WIDENED GRADE BEAMS ARE SHOWN. FOR SIMILAR ONDITION NOT SHOWN, PROVIDE ADDN'L. #4@ 12" O.C. MAX. IN WIDENED SECTION.
2. SEE DETAIL SHEETS FOR GRADE BEAM WIDTH.
3. USE WHERE 5/S3.1 IS NOT NOTED.

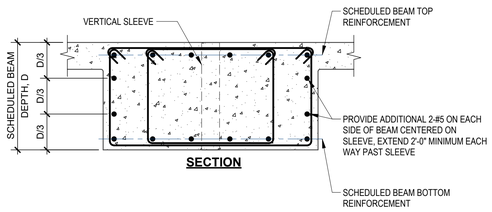
TYPICAL DETAIL ADDITIONAL BARS ATWIDENED GRADE BEAM (PLAN VIEW)

11 WIDENED GRADE BEAM

3/4" = 1'-0"



NOTES:
1. GENERAL CONTRACTOR SHALL COORDINATE REQUIRED BEAM SLEEVES WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. REQUIRED SLEEVES MAY OR MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS. GENERAL CONTRACTOR SHALL SUBMIT PLAN SHOWING LAYOUT OF ALL SLEEVES WITH FORMWORK SHOP DRAWING SUBMITTAL.
2. SLEEVES SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE SCHEDULED BEAM WIDTH.
3. CONTINUOUS BEAM REINFORCEMENT MAY BE SLIGHTLY DISPLACED (3" MAXIMUM) OR ADJACENT BARS BUNDLED (2 BAR BUNDLES MAXIMUM) TO FACILITATE SLEEVE INSTALLATION. DO NOT CUT, OFFSET, OR BEND REINFORCEMENT.
4. SLEEVES OCCURRING ON OPPOSITE SIDES OF A COLUMN MUST BE IN LINE.
5. THE OUTSIDE DIAMETER OF A SLEEVE MAY NOT EXCEED 15% OF THE SCHEDULED WIDTH OF THE BEAM THROUGH WHICH IT MUST PASS.
6. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD WHEN A SLEEVE SIZE OR LOCATION DOES NOT MEET THE ABOVE CONDITIONS.
7. SCHEDULED BEAM STIRRUPS NOT SHOWN FOR CLARITY.



10 TYPICAL VERTICAL PENETRATION IN CONCRETE BEAM

NO SCALE

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CITY OF ANGLETON

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TYPICAL FOUNDATION DETAILS

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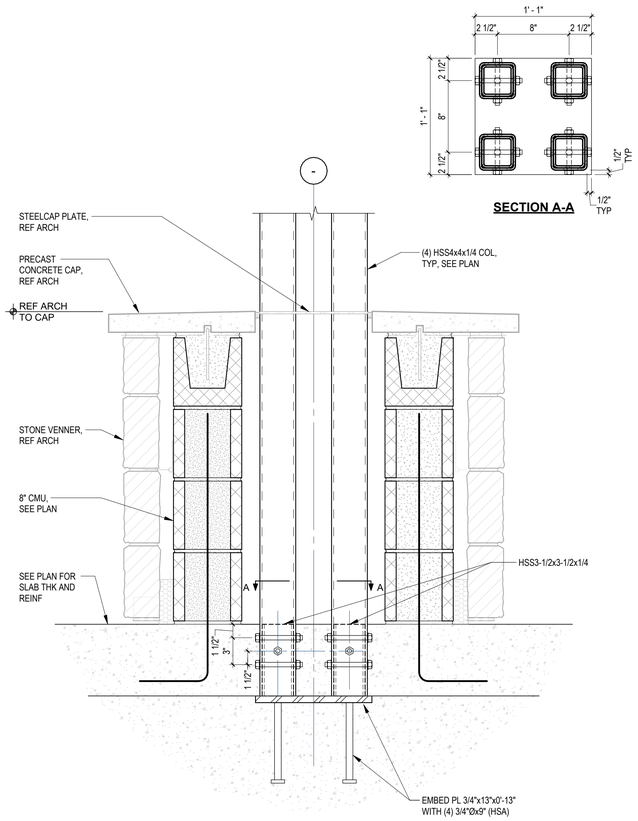
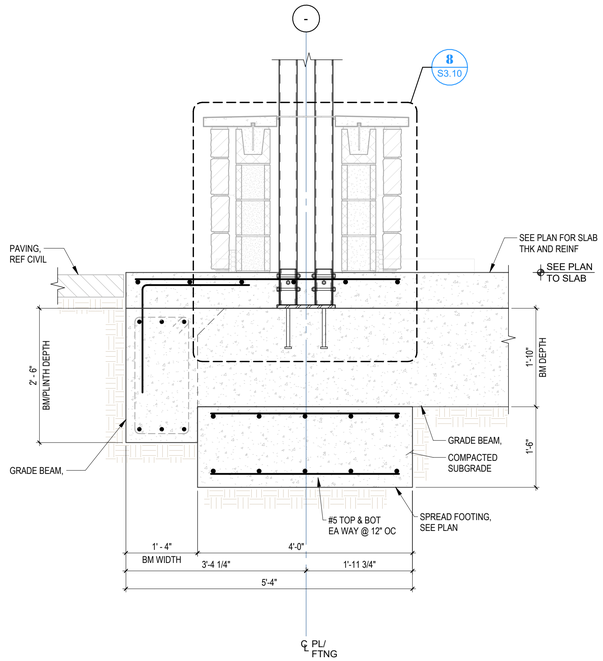


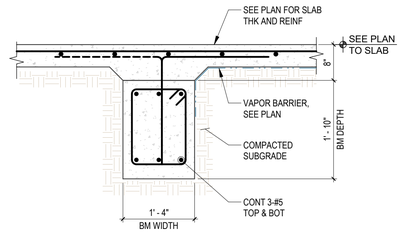
8 DETAIL AT COLUMN CONNECTION

1 1/2" = 1'-0"



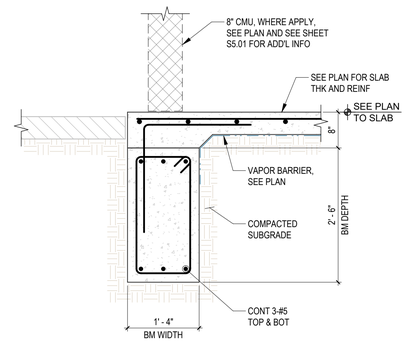
7 DETAIL

3/4" = 1'-0"



2 DETAIL

3/4" = 1'-0"



1 DETAIL

3/4" = 1'-0"

5 DETAIL

3/4" = 1'-0"

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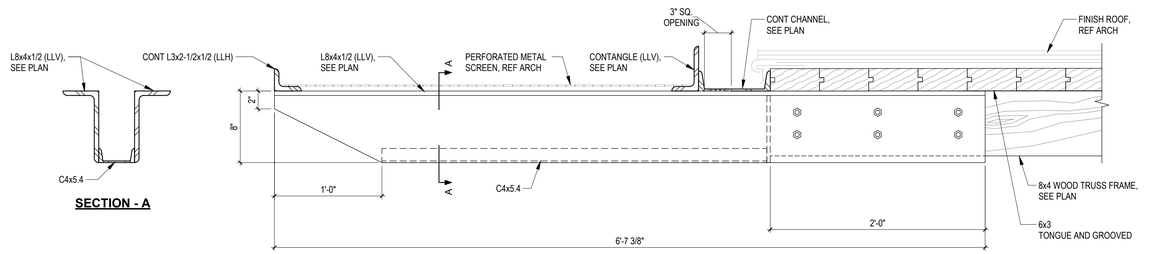
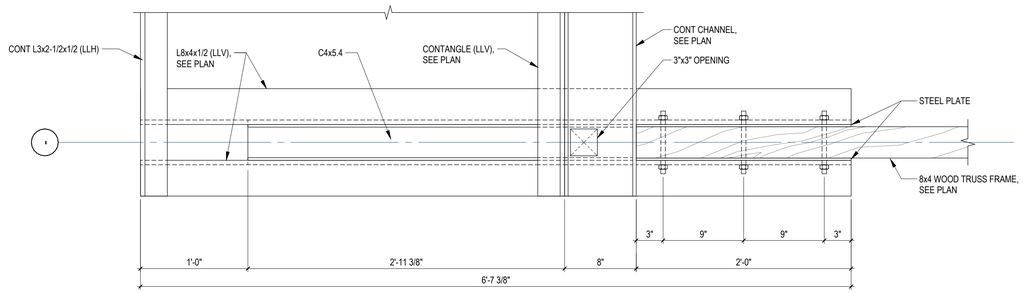


SECTION VIEW



PLAN VIEW

2 SECTION DETAIL

1 1/2" = 1'-0"

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ROOF FRAMING DETAIL

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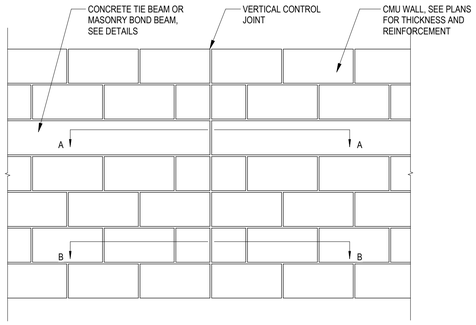
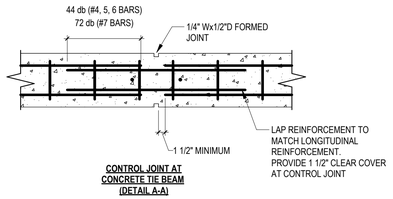
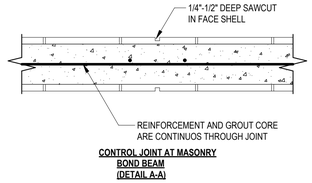
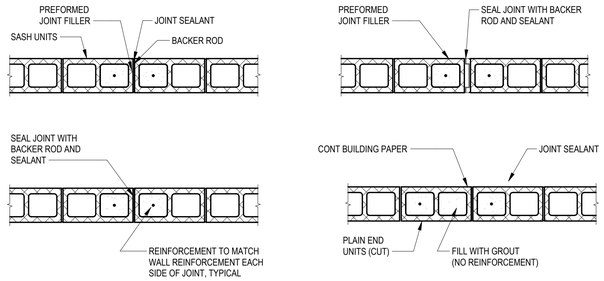




CONTROL JOINT AT CONCRETE TIE BEAM (DETAIL A-A)



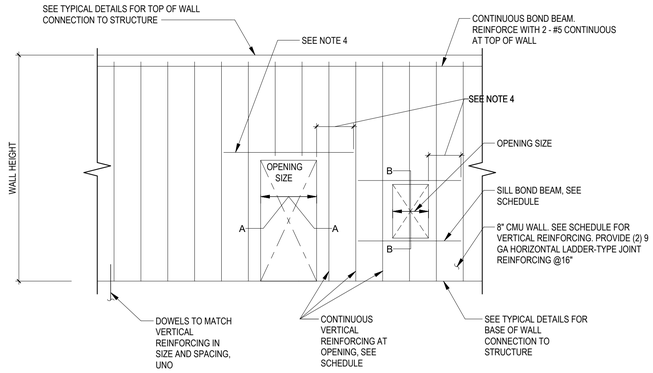
CONTROL JOINT AT MASONRY BOND BEAM (DETAIL A-A)



CONTROL JOINTS IN MASONRY WALLS (DETAIL B-B)

10 TYPICAL VERTICAL CONTROL JOINTS IN MASONRY WALLS

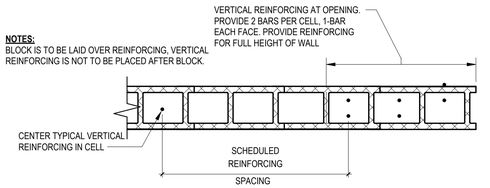
3/4" = 1'-0"



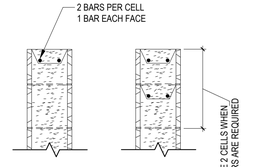
TYPICAL WALL REINFORCING		JAMB REINFORCING AT OPENING (EACH SIDE)			
WALL HEIGHT	VERT REINFORCING	OPENING SIZE			
		<= 8'-0"	10'-0"	12'-0"	14'-0"
<= 10'-0"	#4 @48"	2 - #4	2 - #4	2 - #4	2 - #5
12'	#4 @40"	2 - #5	2 - #5	2 - #6	2 - #6
15'	#5 @40"	2 - #6	2 - #7	2 - #7	4 - #5
18'	#5 @32"	2 - #7	2 - #8	4 - #5	4 - #7
20'	#5 @16"	NA	NA	NA	NA
24'	#5 @8"	NA	NA	NA	NA

SILL REINFORCING				
SILL OPENING	<= 8'-0"	10'-0"	12'-0"	14'-0"
REINFORCING	2 - #4	2 - #5	2 - #5	4 - #5

NOTES:
BLOCK IS TO BE LAID OVER REINFORCING, VERTICAL REINFORCING IS NOT TO BE PLACED AFTER BLOCK.



SECTION A - A



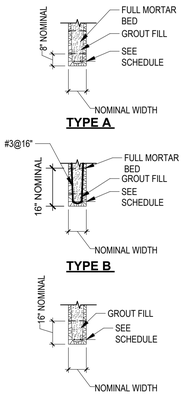
SECTION B - B

8 TYPICAL OPENINGS AT MASONRY WALLS

3/4" = 1'-0"

INTERIOR NON-LOADBEARING CMU INTELS								
CLEAR SPAN	REINFORCING REQUIREMENTS IN NORMAL LINTEL SECTION							
	4x8	6x8	6x16	8x8	8x16	10x8	10x16	12x8	12x16
3'-4"	1-#3	1-#3	UR	1-#3	UR	2-#3	UR	2#3	UR
4'-0"	1-#3	1-#3	UR	2-#3	UR	2-#3	UR	2#3	UR
4'-8"	1-#4	1-#4	UR	2-#3	UR	2-#3	UR	2#4	UR
5'-4"	1-#4	2-#3	UR	2-#4	UR	2-#4	2-#3	2#4	UR
6'-0"	1-#4	2-#4	1-#4	2-#4	2-#3	2-#5	2-#3	2#5	2-#4
6'-8"	1-#5	2-#4	1-#4	2-#5	2-#3	2-#5	2-#4	2#5	2-#4
7'-4"	NA	NA	1-#5	2-#5	2-#4	NA	2-#4	2#6	2-#4
8'-0"	NA	NA	1-#5	NA	2-#4	NA	2-#4	NA	2-#5
8'-8"	NA	NA	1-#6	NA	2-#4	NA	2-#5	NA	2-#5
9'-4"	NA	NA	1-#6	NA	2-#5	NA	2-#5	NA	2-#6
10'-0"	NA	NA	1-#7	NA	2-#5	NA	2-#6	NA	2-#6

NOTES:
1. DEFINITIONS:UR = UNREINFORCED WALL (NO VERTICAL REINFORCEMENT IS REQUIRED, EXCEPT AS DETAILED ON DRAWINGS AT OPENINGS, ETC.) NA = NOT APPLICABLE, THICKER WALL REQUIRED FOR SPAN
2. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
3. PROVIDE 1" OF BEARING AT EACH JAMB FOR EACH FOOT OF CLEAR SPAN BUT NOT LESS THAN 7 5/8". REINFORCEMENT SHALL PROJECT A MINIMUM OF 6" ONTO THE BEARING.
4. MINIMUM MASONRY COMPRESSIVE STRENGTH OF GROUTED PRISM f'm=2000 PSI.
5. LINTELS SCHEDULED AS 16" HIGH MAY BE EITHER TYPE B OR TYPE C AS DETAILED.
6. PRECAST CONCRETE LINTELS AS SHOWN MAY BE USED WITH ARCHITECT APPROVAL. MINIMUM f'c=3000 PSI.
7. USE FOR RUNNING BOND ONLY.
8. REFER TO DETAIL 10/S5-01 FOR LINTELS FOR LOAD BEARING CMU WALLS SUPPORTING STEEL ROOF DECK, JOISTS AND BEAMS.



12 TYPICAL INTERIOR NON-LOADBEARING CMU LINTELS

1/4" = 1'-0"

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10/14/2025

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TYPICAL MASONRY DETAILS

S5.01

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ABBREVIATIONS

AC	ALTERNATING CURRENT
AF	AMPERE FUSE, AMPERE FRAME
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPT CAPACITY
AL	ALUMINUM
AM	AMMETER
AMP	AMPLIFIER
ANN	ANNUNCIATOR
ASC	AMPERES SHORT CIRCUIT
AT	AMPERE TRIP RATING
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
BKR	BREAKER
BLDG.	BUILDING
C	CONDUIT, CELSIUS
CKT	CIRCUIT
CLG.	CEILING
CONT.	CONTINUOUS,CONTINUATION
CONTR	CONTROLLER, CONTRACTOR
CT	CURRENT TRANSFORMER/COOLING TOWER
CU	COPPER
DAS	DISTRIBUTED ANTENNA SYSTEM
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANEL
DPDT	DOUBLE-POLE, DOUBLE-THROW
DPST	DOUBLE-POLE, SINGLE-THROW
DWG	DRAWING
ELEV.	ELEVATOR
EPO	EMERGENCY POWER OFF
ERRC	EMERGENCY RESPONDER RADIO COVERAGE SYSTEM
FA	FIRE ALARM
FF	FURNITURE FEED
FLA	FULL LOAD AMPS
FTL	FEED-THRU LUGS
GA	GAUGE
GEN	GENERATOR
GND	GROUND
GTD	GENERATOR TRANSFER DEVICE
IG	ISOLATED GROUND
LF	LINEAR FEET
LTG	LIGHTING
LV	LOW VOLTAGE
LVL	LEVEL
MAX.	MAXIMUM
MC	METAL CLAD CABLE
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MIC	MICROPHONE
MIN.	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVER-CURRENT PROTECTION
MSB	MAIN SWITCHBOARD
NSR	NEMA 3R
N4X	NEMA 4X
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NFS	NON-FUSED SWITCH
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
PH	PHASE
POS	POINT OF SALE
QTY	QUANTITY
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RE	REFERENCE, REFER
SF	SQUARE FOOT
SIM	SIMILAR
SKVA	STARTING KILOVOLT-AMPS
SPD	SURGE PROTECTION DEVICE
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
SPEC	SPECIFICATION
SQFT	SQUARE FOOT
ST	SHUNT TRIP
SWB	SWITCHBOARD
TL	TWIST-LOCK
TOC	TOP OF CURB
TOS	TOP OF STEEL
TR	TAMPER RESISTANT RECEPTACLE
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SYSTEM
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
WT	WATERTIGHT, WEIGHT
W/SF	WATTS PER SQUARE FOOT
XFMR	TRANSFORMER

MANY ABBREVIATIONS NOT LISTED MAY BE FOUND IN THE NATIONAL ELECTRIC CODE, OR IN THE INTERNATIONAL AND UNIFORM CODES

PHASING

(E)	EXISTING (TO REMAIN)
(D)	SHALL BE DEMOLISHED
(N)	PROVIDE NEW
(R)	RELOCATED ELEMENT

ELECTRICAL SYMBOLS

MOTORS AND CONTROLS

- $M — MOTOR RATED SWITCH WITH THERMAL OVERLOADS
- (5) — SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER
- ELECTRIC DUCT HEATER
- DISCONNECT (SAFETY) SWITCH "200/3/150" DENOTES AMPERES/POLE/FUSE, "NF" DENOTES NON-FUSED "NSR" DENOTES NEMA 3R
- [B] — ENCLOSED CIRCUIT BREAKER- "200/3/150" DENOTES AMPERES/POLE/TRIP.
- MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER, "30/3/15/M" DENOTES AMPERES/POLES/FUSE/ STARTER SIZE, "NF" DENOTES NON-FUSED, FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- VFD — VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26.
- EPO — EMERGENCY POWER OFF BUTTON.

RECEPTACLES AND OUTLETS

ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS.

ABBREVIATIONS APPLICABLE TO RECEPTACLES:
"GFCI" GROUND FAULT INTERRUPTER
"WP" WEATHERPROOF
"IG" ISOLATED GROUND
"TR" TAMPER RESISTANT
"USB" RECEPTACLE WITH USB CHARGING PORTS
"AC" ABOVE COUNTER MOUNTING
"UC" UNDER COUNTER MOUNTING
"H" HORIZONTALLY ORIENTED RECEPTACLE

- SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V.
- DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. SHADED INDICATES SPLIT-WIRED
- FOURPLEX (QUADRUPLEX) RECEPTACLE
- DUPLEX RECEPTACLE (PEDESTAL MOUNTED)
- CONTROLLED WALL RECEPTACLE. DUPLEX: SPLIT-WIRED QUAD: SEPARATELY WIRED UNDER A COMMON COVERPLATE.
- POWER DEVICE RED IN COLOR, ON EMERGENCY POWER CIRCUIT
- CEILING RECEPTACLE/QUAD, EMERGENCY POWER SYMBOL MAY APPLY
- SPECIAL RECEPTACLE, NEMA CONFIGURATION PER PLAN OR EQUIPMENT
- TV — TV ROUGH-IN: 3-GANG RECESSED TV BOX, CONTAINING 1 DUPLEX RECEPTACLE, 1 GANG FOR AV, 1 GANG FOR DATA
- FLOOR BOX OR POKE THRU. POKE-THRU'S WHERE IN SUSPENDED SLABS, RECESSED IN FOUNDATION WHERE SLAB ON GRADE
- FLUSH ELECTRICAL FLOOR OUTLET. REFER TO FLOOR BOX SCHEDULE, FIRE RATED POKE-THROUGH SCHEDULE AND KEYED NOTES.
- DC — DROP CORD WITH SIMPLEX RECEPTACLE UNLESS OTHERWISE NOTED
- CR — CORD REEL WITH DUPLEX RECEPTACLE UNLESS OTHERWISE NOTED
- J J — JUNCTION BOX. "MD" INDICATES POWER CONNECTION TO SERVE MOTOR DAMPER "HD" INDICATES POWER CONNECTION TO SERVE HAND DRYER "FV" INDICATES POWER CONNECTION TO SERVE FLUSH VALVES
- P — PULL BOX (OVER 4" SQUARE)
- BELL/BUZZER/CHIME
- PUSH BUTTON/DOOR BELL/START-STOP
- PP — POWER POLE
- POINT OF DIRECT CONNECTION TO EQUIPMENT
- C (2) — CLOCK RECEPTACLE SHALL BE MOUNTED 12" BELOW FINISHED CEILING. (2) DENOTES DOUBLE SIDED CLOCK.

LIGHTING

LETTER(S) DENOTE TYPE- SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

2' X 4' | 2' X 2' | 1' X 4' | 1' X 2' | 1' X 1'

- STRIP LIGHTING FIXTURES.
- ROUND DOWNLIGHT FIXTURE.
- SQUARE DOWNLIGHT FIXTURE.
- WALL MOUNTED LIGHTING FIXTURE.
- TRACK LIGHTING FIXTURE. MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE.
- CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.
- WALL MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE.
- EMERGENCY WALL MOUNTED LIGHTING FIXTURE. BATTERY OPERATED UNLESS NOTED OTHERWISE.
- SITE LIGHTING FIXTURE.

HATCHING PATTERNS BELOW SHALL APPLY TO ALL LIGHTING FIXTURE SYMBOLS.

- NL — EMERGENCY LIGHT FIXTURE WITH BATTERY PACK. PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME CIRCUIT AS NORMAL POWER LIGHTING). FIXTURES SHALL BE WIRED IN A MANNER AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING THE EMERGENCY BATTERY. BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE. "NL" NIGHT LIGHT ON UNSWITCHED 24HR OPERATION
- EM CIRCUIT — LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT, GENERATOR TRANSFER DEVICES REQUIRED (UL1008 OR UL924) PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND FOR ALL LIFE SAFETY LIGHTING ORIGINATING FROM THE LIFE SAFETY CIRCUIT SHOWN.
- CRITICAL OPERATIONS LIGHTING ORIGINATING FROM THE CRITICAL CIRCUIT INDICATED, HATCHED AS INDICATED. HATCHING TYPICAL FOR ALL CRITICAL BRANCH LIGHT FIXTURES

RACEWAYS AND WIRING

- CAP AND STAKE
- CONDUIT CONCEALED IN WALL OR CEILING
- UNDERGROUND, UNDERSLAB, CONCEALED ROUTING
- OHE — OVERHEAD ELECTRIC PRIMARY UTILITY POWER LINE
- CONDUIT UP/DOWN
- HASH MARKS INDICATE NUMBER OF CONDUCTORS. LEFT TO RIGHT: PHASE/NEUTRAL/GROUND/ISOLATED GROUND. NO HASH MARKS INDICATES EMPTY CONDUIT, 1" MINIMUM, UNLESS NOTED OTHERWISE.
- 1LA-2,4,6 — HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED.
- (ON)1LA-6 — PARTIAL/SHARED CIRCUIT HOMERUN TO PANEL.
- TELECOMMUNICATIONS CABLE TRAY SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.

ELECTRICAL EQUIPMENT

- DISTRIBUTION PANEL
- MSB — SWITCHBOARD, MAIN DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
- PANELBOARD (FLUSH/SURFACE MOUNT)
- FLOOR MOUNTED DRY-TYPE TRANSFORMER
- SUSPENDED OR WALL MOUNTED TRANSFORMER
- ATS — AUTOMATIC TRANSFER SWITCH
- FIRE RATED PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4' X 8' X 3/4" UNLESS NOTED OTHERWISE

COMMUNICATIONS

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 18" ABOVE FINISHED FLOOR (AFF)

- DATA/COMM/AV ROUGH-IN. CONDUIT TO PLENUM AND BOX ONLY
- HS DS — SCHOOL INTERCOMMUNICATION SYSTEM HANDSET.

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 42" AFF

- VC — VOLUME CONTROL - WALL MOUNTED
- CB — INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE

DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 120" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER

- S L — INTERCOM/PA SPEAKER "L" LOCAL SOUND REINFORCEMENT

CEILING MOUNTED DEVICES:

- S VC — INTERCOM/PA SPEAKER "VC" INDICATES VOLUME CONTROL ON SPEAKER.

REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.

ONE-LINE DIAGRAM

- TRANSFORMER, TYPE AND RATINGS AS NOTED
- 800A/3P — SWITCH, RATING AS SHOWN
- 400A — FUSE, RATING AS SHOWN
- ST — SHUNT TRIP
- GF — GROUND FAULT PROTECTION
- AF — ARCH FAULT PROTECTION
- K — KIRK-KEY INTERLOCK
- M — DIGITAL METER OR SUB-METER INTEGRATED INTO EQUIPMENT
- 1200/5 — CURRENT TRANSFORMER, RATED AS SHOWN
- GROUND CONNECTION
- 89 — AUTOMATIC TRANSFER SWITCH
- BUS DUCT PLUG
- M — ELECTRICAL UTILITY REVENUE METER
- SPD — SURGE PROTECTION DEVICE
- GANN — GENERATOR ANNUNCIATOR PANEL
- CIRCUIT BREAKER
- DRAW-OUT CIRCUIT BREAKER
- NEW EQUIPMENT/WIRING
- DEMOLITION EQUIPMENT/WIRING
- EXISTING EQUIPMENT/WIRING
- UNDERGROUND WIRING

DAYLIGHT ZONES

DAYLIGHT ZONE/PRIMARY | SECONDARY DAYLIGHT ZONE

DAYLIGHT ZONES SHALL BE INCLUSIVE OF THE FIXTURES WITHIN THE SHADED REGION, AND SHALL BE DIMMED USING ON-BOARD OR EXTERNAL CONTROL IN ACCORDANCE WITH IECC 2021. IECC 2018 OR 2015 MAY BE REFERENCED ONLY WHERE ADOPTED BY LOCAL AHJ.

MISCELLANEOUS

- F — SHADED SYMBOLS INDICATE EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED.
- INDICATES WALL-MOUNTED WHEN ATTACHED TO ANY SYMBOL
- (1) — DRAWING NOTE REFERENCE
- SOS — AREA OF RESCUE ASSISTANCE

FIRE ALARM

- W — WATER FLOW SWITCH
- SP — SUPERVISORY SWITCH
- S — SMOKE DETECTOR - MULTI CRITERIA DETECTOR
- S # — SMOKE DETECTOR - "SB" INDICATES IN INTEGRAL SOUNDER BASE "D" INDICATES DUCT TYPE "R" INDICATES 120 VOLT RESIDENTIAL TYPE
- H — HEAT DETECTOR
- S BT — BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
- S BR — BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT.
- S — FIRE ALARM SPEAKER STROBE / CEILING MOUNTED
- S — FIRE ALARM SPEAKER / CEILING MOUNT.
- DH — MAGNETIC DOOR HOLDER
- R — AUXILIARY CONTROL RELAY
- FH — FIRE FIGHTER HANDSET
- F — FIRE ALARM PULL STATION +42" AFF
- F — FIREMAN'S TELEPHONE JACK +42" AFF
- AUDIO VISUAL FIRE ALARM HORN STROBE +80" AFF- 15/75cd U.N.O.
- VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 15/75cd U.N.O.
- AUDIO FIRE ALARM HORN +80" AFF
- FACP — FIRE ALARM CONTROL PANEL
- ANN — REMOTE FIRE ALARM ANNUNCIATOR PANEL
- RPS — REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES.
- FSD — FIRE SMOKE DAMPER
- • — REMOTE LED INDICATOR LIGHT

SECURITY

- PB — ADA AUTO DOOR OPEN BUTTON
- DR — DOOR RELEASE BUTTON
- CR — WALL MOUNTED CARD READER

REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.

SWITCHES AND LIGHTING CONTROL DEVICES

ALL SWITCH TYPES AND SENSORS TYPES FOUND ON 'LIGHTING CONTROL DEVICE SCHEDULE' LOCATED ON ELECTRICAL SCHEDULE SHEETS

SWITCH ANNOTATION AS FOLLOWS:

$ a,b,c — TYPE, PER SCHEDULE; NO TYPE INDICATES SINGLE POLE TOGGLE SWITCH; SWITCH LEGS, PER PLAN, SHOWN HERE AS 3 (a,b,c)

OCCUPANCY SENSOR ANNOTATION, AS FOLLOWS:

OCx — OCCUPANCY / VACANCE SENSOR 'x' INDICATES TYPE, PER SCHEDULE; CEILING SENSOR; WITH BRACKET INDICATES WALL / CORNER MOUNT

LIGHT SENSOR ANNOTATION, AS FOLLOWS:

- PC — DIGITAL PHOTOCELL
- DS — DAYLIGHT HARVESTING SENSOR

RELAY PANELS, CONTACTORS, TIME SWITCHES:

XX — RELAYS/CONTACTORS/TIMERS/DEVICES WHERE 'XX' INDICATES:
"LC" LIGHTING CONTRACTOR
"LCP" LIGHTING CONTROL PANEL
"TS" TIME SWITCH
"TC" TIME CLOCK

DRAWING/DETAIL REFERENCE KEY

RE: 1 /E3-2 — REFER TO DRAWING/DETAIL NUMBER; SHEET NUMBER (1 / E3-2)

PANELBOARD NOMENCLATURE

5 DP C H A 1

- 1 — LEVEL
- A — DISTRIBUTION PANEL (IF APPLICABLE)
- H — SUB PANEL
- C — AREA
- VOLTAGE: H: 480Y/277V; L: 208Y/120V
- DP — BRANCH: NONE: NORMAL; E: LIFE SAFETY; Q: EQUIPMENT; C: CRITICAL; R: LEGALLY REQUIRED; X: OPTIONAL STAND-BY
- 5 — SUB PANEL

GENERAL NOTES:

A. NOT ALL SYMBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE CONTRACT DOCUMENTS.

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DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ELECTRICAL SYMBOL LEGEND

E0.01

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GENERAL LIGHTING DEMOLITION NOTES:

A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRESENT ON SITE PRIOR TO BIDDING, AND SHALL BE EXPECTED TO PERFORM DEMOLITION AND INSTALL NEW AS SHOWN ON THE DOCUMENTS, INCLUDING SCOPE THAT MAY NOT FEASIBLY BE INDICATED ON PLAN.

B. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING ELECTRICAL DEVICES ON EXISTING CEILING. ALL ABANDONED DEVICES IN CEILING WITHIN SCOPE OF WORK SHALL BE REMOVED.

C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.

D. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING SWITCHES AND FIRE ALARM DEVICES. REFER TO ARCHITECTURAL DEMO PLAN. THIS SCOPE MAY NOT BE DIRECTLY IMPLIED BY NOTES ON DEMO PLANS AS IT IS ASSUMED THIS SCOPE EXISTS BASED ON ARCHITECTURAL DEMOLITION PLANS.

E. CONTRACTOR SHALL REVIEW DEMO AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.

F. ALL FIXTURES REMOVED AND REINSTALLED SHALL BE CLEANED, RELAMPED AS REQUIRED AND TOUCHED UP WITH PAINT. ALL DAMAGED PARTS MUST BE REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW DRIVERS AS REQUIRED ALL EXISTING SWITCHING ZONES SHALL REMAIN UNCHANGED UNLESS DIRECTED OTHER ON PLANS.

G. ALL LIGHTING CIRCUITS SHALL BE DEMOLISHED AS REQUIRED BY THE DEMOLITION SCOPE ON THE DOCUMENTS. REPAIR ANY CIRCUITS THAT ARE PARTIALLY DEMOLISHED AND CONTAIN OUTLETS THAT ARE 'NOT IN SCOPE' OR OUTSIDE OF THE LIMITS OF CONSTRUCTION TO WORKING CONDITION. PROVIDE ADDITIONAL CONDUIT, WIRE AND BOXES AS NEEDED.

H. MODIFIED LIGHTING CIRCUITS SHALL NOT EXCEED 50% CIRCUIT LOAD BASED ON CIRCUIT AMPACITY.

GENERAL POWER DEMOLITION NOTES:

A. EXISTING CIRCUIT BREAKERS VACATED DUE TO REMODELING WORK SHALL REMAIN AS SPARE BREAKERS AND LEFT IN THE 'OFF' POSITION.

B. WHERE INDICATED OR REQUIRED BY OTHER TRADES, CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED.

C. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED AT THE CONTRACTOR'S COST.

D. DEMOLISHED POKE-THRUS SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, DATA AND/OR AV CONDUCTORS. CAP WITH A UL LISTED FIRE RATED POKE-THRU COVER.

E. EXISTING RECEPTACLE OR MECHANICAL CIRCUITS MODIFIED IN FIELD SHALL NOT EXCEED 80% CAPACITY BASED ON AMP-RATING OF CIRCUIT.

FIRE ALARM REMODELING NOTES:

A. CONTRACTORS ARE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING THE EXISTING FIRE ALARM SYSTEM AND SCOPE OF WORKED REQUIRED PER PLANS AND SPECIFICATIONS, PRIOR TO BIDDING. VERIFY EXISTING SITE CONDITIONS, MAKE AND MODEL OF CURRENT FIRE ALARM SYSTEM, NECESSITY OF ANY FRONT-END UPGRADES, CODE COMPLIANCE OF EXISTING DEVICES LOCATED WITHIN THE SCOPE OF WORK AREA, TO BE KNOWN BY FIRE ALARM CONTRACTOR UPON DESIGN OF FIRE ALARM SHOP DRAWINGS.

B. THE INTENT OF THIS PLAN IS TO INCORPORATE NEW AND RELOCATED DEVICES WITH THE EXISTING BUILDING FIRE ALARM SYSTEM.

C. ALL NOTIFICATION DEVICES SHALL BE ACTIVATED AS REQUIRED BY APPLICABLE CODE WHEN FIRE ALARM SYSTEM IS INITIATED.

D. IT IS ASSUMED WITH THIS REMODEL THAT THE EXISTING SYSTEM MEETS REQUIRED CODES FOR THE ORIGINAL DATE OF INSTALLATION, AND BUILDING MANAGEMENT HAS MAINTAINED SYSTEM IN COMPLIANCE WITH LIFE SAFETY 101. FOR SEQUENCE OF OPERATIONS AND SPECIFICATIONS, REFER TO ORIGINAL SYSTEM DOCUMENT. COORDINATE WITH BUILDING MANAGEMENT.

E. THE EQUIPMENT SUPPLIER AND INSTALLING CONTRACTOR SHALL BE LICENSED BY THE STATE FIRE MARSHALL TO SELL, INSTALL, AND SERVICE FIRE ALARM SYSTEMS AS REQUIRED BY LOCAL CODES AND INSURANCE CODE.

F. ALL NEW EQUIPMENT REQUIRED FOR THIS REMODEL SHALL BE COMPATIBLE WITH THE EXISTING BUILDING SYSTEM AND IS TO BE A PART OF THE SUBMITTAL PROCESS AS NOTED IN THE ELECTRICAL SPECIFICATIONS FOR THIS PROJECT. PROVIDE ADDITION SYSTEM POWER BOOSTER WHERE REQUIRED.

G. VERIFY QUANTITIES OF NEW DEVICES TO INTERFACE WITH THE EXISTING BUILDING SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND SHALL NOTIFY THE ENGINEER IF ANY CONFLICT EXISTS PREVENTING MODIFICATIONS REQUIRED IN THESE PLANS.

H. THE SYSTEM WHEN MODIFIED, SHALL BE A COMPLETE AND WORKING SYSTEM, AND COMPLY WITH THE MOST RECENT RULES, REGULATIONS, AND ORDINANCES THAT PRESENTLY APPLY TO THIS REMODEL.

I. ANY DEVICE THAT SUFFERS MALFUNCTION DURING RENOVATION SHALL BE REPLACED AT NO COST TO OWNER. CONTRACTOR SHALL TAKE PROPER STEPS TO ENSURE DUST AND DEBRIS DOES NOT NEGATIVELY INTERFERE WITH OPERATION OF ANY EXISTING EQUIPMENT LEFT OPERATIONAL DURING RENOVATION.

GENERAL ELECTRICAL DEMOLITION NOTES:

A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED THE EXISTING JOB SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF THE ARCHITECTURAL MODIFICATIONS TO THE EXISTING CONDITIONS. THE SCOPE OF WORK SHALL INCLUDE MATERIALS AND OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE REROUTED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE PROVIDED SO THAT THE REMODELING WORK MAY BE ACCOMPLISHED. NOT ALL EXISTING OUTLETS ARE NECESSARILY INDICATED ON THE DRAWINGS.

B. CONTRACTOR SHALL REVIEW DEMOLITION AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.

C. CONTRACTOR SHALL VERIFY AND DOCUMENT EXISTING CONDITIONS OF ALL OUTLETS THAT ARE INDICATED OR REQUIRED TO BE REMOVED AND REINSTALLED TO FACILITATE THE WORK REQUIRED BY ALL TRADES. THE CONTRACTOR SHALL REPLACE NON-OPERABLE DEVICES AT NO ADDITIONAL COST TO THE OWNER. DOCUMENT OUTLETS IN NON-WORKING CONDITION PRIOR TO REMOVAL AND NOTIFY THE OWNER.

D. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.

E. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING RECEPTACLES, DATA/TELEPHONE DROPS, P/A DEVICES, CONDUIT, AND WIRING. ALL EXISTING DEVICES MAY NOT BE DOCUMENTED ON PLANS. REFER TO ARCHITECTURAL DEMOLITION PLANS FOR DEMOLISHED WALLS. REMOVE CONDUIT AND WIRING BACK TO PANEL OR LAST ACTIVE JUNCTION BOX.

F. ALL ABANDONED CONDUIT AND BOXES FOUND IN CRAWLSPACES, CEILINGS SPACES, CHASES, OR UTILITY SPACES SHALL BE REMOVED. EXISTING UNDERGROUND CONDUIT MAY BE ABANDONED. CAP ABANDONED UNDERGROUND CONDUIT FLUSH WITH GRADE.

G. OWNER SHALL RESERVE THE RIGHT TO CLAIM ALL EQUIPMENT AND CABLING REMOVED DURING DEMOLITION.

H. RE-ESTABLISH SERVICE TO ALL OUTLETS THAT MAY BE INTERRUPTED DUE TO REMODELING WORK.

I. PROVIDE ALL APPURTENANCES REQUIRED TO REROUTE, RELOCATE, REMOVE OR REINSTALL ALL ITEMS REQUIRED BY SCOPE OF REMODEL.

J. ALL ABANDONED MATERIAL SHALL BE REMOVED FROM JOBSITE PRIOR TO PROJECT COMPLETION.

K. IDENTIFICATION AND LABELING SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS.

L. CIRCUIT NUMBERS ARE FOR PLAN REFERENCE ONLY. CONTRACTOR SHALL RELABEL ALL CIRCUIT DIRECTORIES WITH LOAD NAMES FOR ALL EXISTING AND NEW PANELS THAT WERE MODIFIED WITHIN THIS PROJECT.

GENERAL SITE PLAN NOTES:

A. CONTRACTOR SHALL INSTALL ALL RACEWAYS, DUCTBANKS, CONCRETE PADS ETC. REQUIRED BY THE UTILITY COMPANY. OBTAIN WRITTEN INSTRUCTIONS FROM THE UTILITY COMPANY BEFORE ROUGH IN.

B. CONTRACTOR SHALL BORE UNDERNEATH EXISTING PAVEMENT WHERE CONDUITS ARE ROUTED UNDER EXISTING PAVING. SAW CUTTING IS NOT PERMITTED WITHOUT OWNER PERMISSION PRIOR TO BEGINNING WORK.

C. CONDUIT SHALL BE PERMITTED TO BE ROUTED EXPOSED/SURFACE MOUNTED IN MECHANICAL YARDS. EXPOSED CONDUITS SHALL RUN PERPENDICULAR OR PARALLEL TO THE WALLS, BEAMS, ETC. ROUTING SHALL BE COORDINATED WITH OWNER PRIOR TO ROUGH-IN.

D. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE SLABS WHEN REQUIRED TO INSTALL NEW RACEWAYS. COORDINATE PROPOSED ROUTING WITH ARCHITECT PRIOR TO SAW CUTTING. CONTRACTOR SHALL PATCH TO MATCH EXISTING CONDITIONS. PERFORM X-RAY SCAN ON ANY POST TENSION SLAB PRIOR TO COMMENCING CUTTING.

E. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS WHEN EXCAVATING TO AVOID DAMAGE TO EXISTING POWER, COMMUNICATIONS, WATER, SANITARY/SEWER, AND/OR GAS LINES THAT MAY BE BURIED IN AREAS OF NEW CONSTRUCTION OR WHEN TRENCHING FOR NEW FEEDERS AND BRANCHES IS REQUIRED. COORDINATE WITH CIVIL PLANS FOR ADDITIONAL INFORMATION.

F. COORDINATE EQUIPMENT LOCATIONS WITH ARCHITECTURAL AND CIVIL PLANS FOR EXACT EQUIPMENT LOCATION BEFORE INSTALLATION. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE.

G. THE CONTRACTOR SHALL PROVIDE AND INSTALL PULL STRINGS TO ALL SPARE OR UNUSED UNDERGROUND CONDUITS.

H. CONTRACTOR SHALL PROVIDE CONDUIT AS REQUIRED BY DIVISION 27/28. COORDINATE WITH DIVISION 27/28 SYSTEM PROVIDER FOR EXACT SIZE AND QUANTITY OF CONDUITS REQUIRED.

I. PROVIDE FLUSH WITH GRADE TRAFFIC-RATED CONCRETE PULL-BOXES AS REQUIRED EVERY 250' MAXIMUM FOR ALL BELOW GRADE CONDUIT RUNS SHOWN. LOW VOLTAGE AND LINE VOLTAGE CABLING SHALL NOT BE RUN THROUGH THE SAME PULL BOX.

J. ELECTRICAL SERVICE PULL-BOXES/MANHOLES SHALL BE COORDINATED WITH THE POWER COMPANY. REFER TO POWER COMPANY STANDARDS FOR EXACT REQUIREMENTS.

K. UNDER GROUND BRANCH CIRCUITS CONDUITS SHALL BE A MINIMUM SIZE OF 1 INCH USING #10 AWG CONDUCTORS UNLESS OTHERWISE NOTED.

L. ALL UNDERGROUND FEEDERS AND BRANCH CIRCUIT SHALL BE PROVIDED WITH PULLBOXES AS REQUIRED BY NEC.

M. ALL PULL BOXES SHALL BE INSTALLED FLUSH WITH FINISHED GRADE. REFER TO CIVIL PLANS FOR FINAL GRADE ELEVATION.

GENERAL ELECTRICAL NOTES:

A. ELECTRICAL DEVICE LOCATIONS SHOWN ARE NOT EXACT. ALL DEVICE LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL MILLWORK, CASEWORK, AND GENERAL ELEVATION VIEWS.

B. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, ACCESS CONTROL SECURITY, SURVEILLANCE, AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIV 26 SCOPE OF WORK IS PROHIBITED.

C. HVAC AND PLUMBING EQUIPMENT LOCATIONS ARE NOT EXACT, AND THE EXACT POINT OF CONNECTION TO EQUIPMENT MAY VARY. COORDINATE EXACT ROUGH-IN REQUIREMENTS IN FIELD AND WITH FINAL SUBMITTALS.

D. PROVIDE LABELING OF ALL DEVICES, CONDUIT, PANELS, AND JUNCTION BOXES WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES AND ON COVER OF JUNCTION BOXES IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.

E. ROOF PENETRATIONS SHALL BE MINIMIZED. WHERE ABLE, ROUTE ALL CONDUIT FOR ROOF MOUNTED EQUIPMENT THROUGH ROOF CURB. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING NECESSARY WATER PROOFING AROUND ROOF PENETRATIONS WITH ROOFING INSTALLER.

F. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PITS OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. FEED-THRU GFCI/GFI IS PROHIBITED, ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES. ALL GFCI RECEPTACLES SHALL BE ACCESSIBLE. PROVIDE SEPARATE RECEPTACLE PROTECTED BY "FACELESS GFCI." REQUIRED TO COMPLY WITH CURRENTLY ADOPTED NEC.

G. MULTI-WIRE HOME RUNS SHALL NOT BE ALLOWED. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS. SHARING CONDUIT IS PERMISSIBLE WHERE TOTAL CONDUCTOR AMPACITY DERATING HAS BEEN PERFORMED BY ELECTRICAL CONTRACTOR. THE NEUTRAL IS CONSIDERED CURRENT-CARRYING. ROUTE A MAXIMUM OF THE 3 BRANCH CIRCUITS IN A SINGLE 3/4" RACEWAY. EACH NEUTRAL SHALL BE LABELED TO INDICATE THE CIRCUIT NUMBER CORRESPONDING TO THE HOT CONDUCTOR. THIS LABEL SHALL INCLUDE THE PANELBOARD, JUNCTION BOXES AND OUTLET BOXES.

H. CONTRACTOR SHALL PROVIDE PLENUM RATED MATERIAL FOR ALL INFRASTRUCTURE LOCATED IN PLENUMS NOT PROTECTED BY CONDUIT OR ANOTHER APPROVED/LISTED FIRE ENCLOSURE.

I. NEW ELECTRICAL EQUIPMENT LOCATED IN ELECTRICAL ROOMS SHALL BE ARRANGED TO COMPLY WITH LATEST NEC ARTICLE 110.

J. ELECTRICAL AND TECHNOLOGY OUTLETS SHOWN IN SOUND RATED PARTITIONS SHALL NOT BE PLACED BACK-TO-BACK. OFFSET AT LEAST ONE STUD AND SEAL FOR SOUND AS REQUIRED.

K. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. CONTRACTOR MAY PROVIDE NON-TAMPER RESISTANT RECEPTACLES WHERE NOT REQUIRED PER CURRENT NEC ARTICLE 406.

LIGHTING GENERAL NOTES:

A. ALL LIGHTING CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH PERFORMANCE DESCRIPTION INDICATED IN THE LIGHTING CONTROL DEVICE SCHEDULE FOUND ON SCHEDULE SHEETS.

B. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED UNDER A COMMON COVER PLATE.

C. PROVIDE LABELING OF ALL CONTROL DEVICES, SWITCH PACKS, LIGHT FIXTURES, JUNCTION BOXES, ETC IN ACCORDANCE WITH SPECIFICATIONS.

D. LIGHTING FIXTURE LOCATIONS SHOWN TAKE PRECEDENCE IN CEILING LOCATION TO ALL OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING OTHER TRADES DO NOT IMPACT SPACING AND/OR OVERLAYMENT OF OTHER DEVICES WHERE LIGHT FIXTURES ARE INSTALLED.

E. REFERENCE SYMBOLS LEGEND FOR LIGHT SWITCH AND LIGHTING CONTROL DEVICE NOMENCLATURE AND SWITCH-LEG ANNOTATION OR LABELING.

F. ALL 2X2, 2X4 FIXTURES INSTALLED IN SUSPENDED GRID CEILING SHALL BE PROVIDED WITH (4) SECONDARY SUPPORT WIRES ANCHORED DIRECTLY TO STRUCTURE.

EMER. LIGHTING GENERAL NOTES:

A. PROVIDE ALL EMERGENCY LIGHT FIXTURES WITH UNSWITCHED HOT LEG AS INDICATED IN NEC 700.12 AND PROVIDE LOCK-ON DEVICE AS REQUIRED BY NEC 700.

B. ROUTE AN UNSWITCHED HOT LEG TO ALL LIGHT FIXTURES DESIGNATED AS EMERGENCY FIXTURES. HOT LEG SHALL ORIGINATE FROM CIRCUIT SERVING NORMAL LIGHTING FIXTURES IN THAT SPACE. UNSWITCHED HOT LEG SHALL CONNECT TO THE NORMAL POWER SENSING LUG ON THE EMERGENCY BATTERY PACK.

C. PROVIDE UN-SWITCHED CIRCUIT TO ALL EXIT SIGNS. CONNECT TO DEDICATED CIRCUIT INDICATED AND PROVIDE LOCK-ON DEVICE AS REQUIRED BY NEC 700.

FIRE ALARM GENERAL NOTES:

A. CONTRACTOR SHALL SUBMIT LICENSED SEALED FIRE ALARM DRAWINGS TO THE AHJ/PERMIT OFFICE FOR PLAN REVIEW BY MEANS OF DEFERRED SUBMITTAL.

B. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE.

C. ALL FIRE ALARM VISUAL AND AUDIO/VISUAL DEVICES SHALL BE CONFIGURED TO PROVIDE CANDELA RATINGS IN ACCORDANCE WITH ADA & NFPA COVERAGES.

D. CONTRACTOR SHALL PROVIDE 120V DEDICATED 20A BRANCH CIRCUIT WITH LOCK-ON BREAKER PROVISIONS TO EACH SPEAKER AMPLIFIER AND VISUAL DEVICE POWER SUPPLIES AS REQUIRED BY FIRE ALARM SHOP DRAWINGS. CONNECT TO EMERGENCY POWER WHEN AVAILABLE.

E. ALL WIRING FOR DEVICES IN EXPOSED STRUCTURE AREAS SHALL BE ROUTED WITHIN CONDUIT. EXPOSED ROUTING SHALL BE AVOIDED. EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.

F. CONTRACTOR SHALL PROVIDE CONDUIT PATHWAYS FOR FIRE ALARM PLENUM CONDUCTORS WHERE ROUTED ABOVE HARD CEILING AREAS. CONDUIT RACEWAYS SHALL ALLOW ACCESS TO CONDUIT AT EACH END IN ACCESSIBLE LOCATIONS ABOVE CEILINGS.

G. LOCATE NEW SMOKE DETECTORS IN THE PATH OF EGRESS , ELECTRICAL, MECHANICAL, IDF ROOMS, STORAGE ROOMS AND OTHER LOCATIONS IN CHILDREN AREAS.

H. DUCT MOUNTED SMOKE DETECTORS SERVING HVAC UNITS WITH 2000 CFM OR GREATER SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION IN RETURN AIR DUCT INSIDE THE BUILDING THE UNIT SERVES. IT IS NOT ACCEPTABLE TO INSTALL DUCT MOUNTED SMOKE DETECTORS AT THE HVAC UNIT ON THE ROOF OR EXTERIOR OF THE BUILDING.

I. LOCATE HEAT DETECTORS IN BREAKROOM AREAS.

J. PROVIDE NEW AUDIO & VISUAL DEVICES PER APPLICABLE CODE.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | Author
CHECK | Checker

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ELECTRICAL GENERAL NOTES

E0.11

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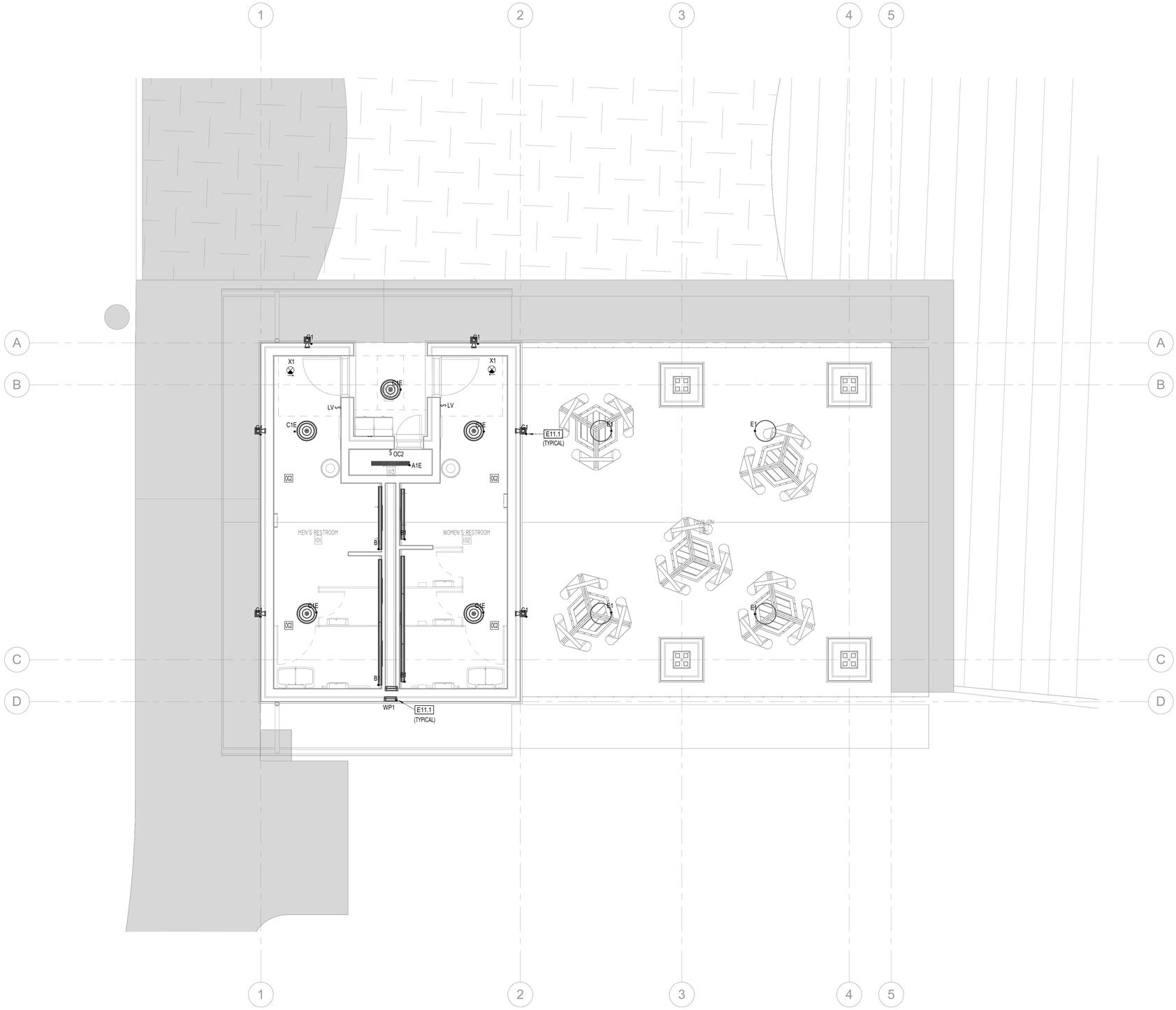

1 ELECTRICAL LIGHTING ENLARGED PLAN LEVEL 1

1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

E11.1 PROVIDE EXTERIOR WALLPACK/ SCONCE LIGHTING FIXTURE. CONTRACTOR SHALL FIELD COORDINATE EXACT LOCATION AND ELEVATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. TYPICAL.

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NO.	DESCRIPTION	DATE

ELECTRICAL LIGHTING ENLARGED PLAN

E3.01

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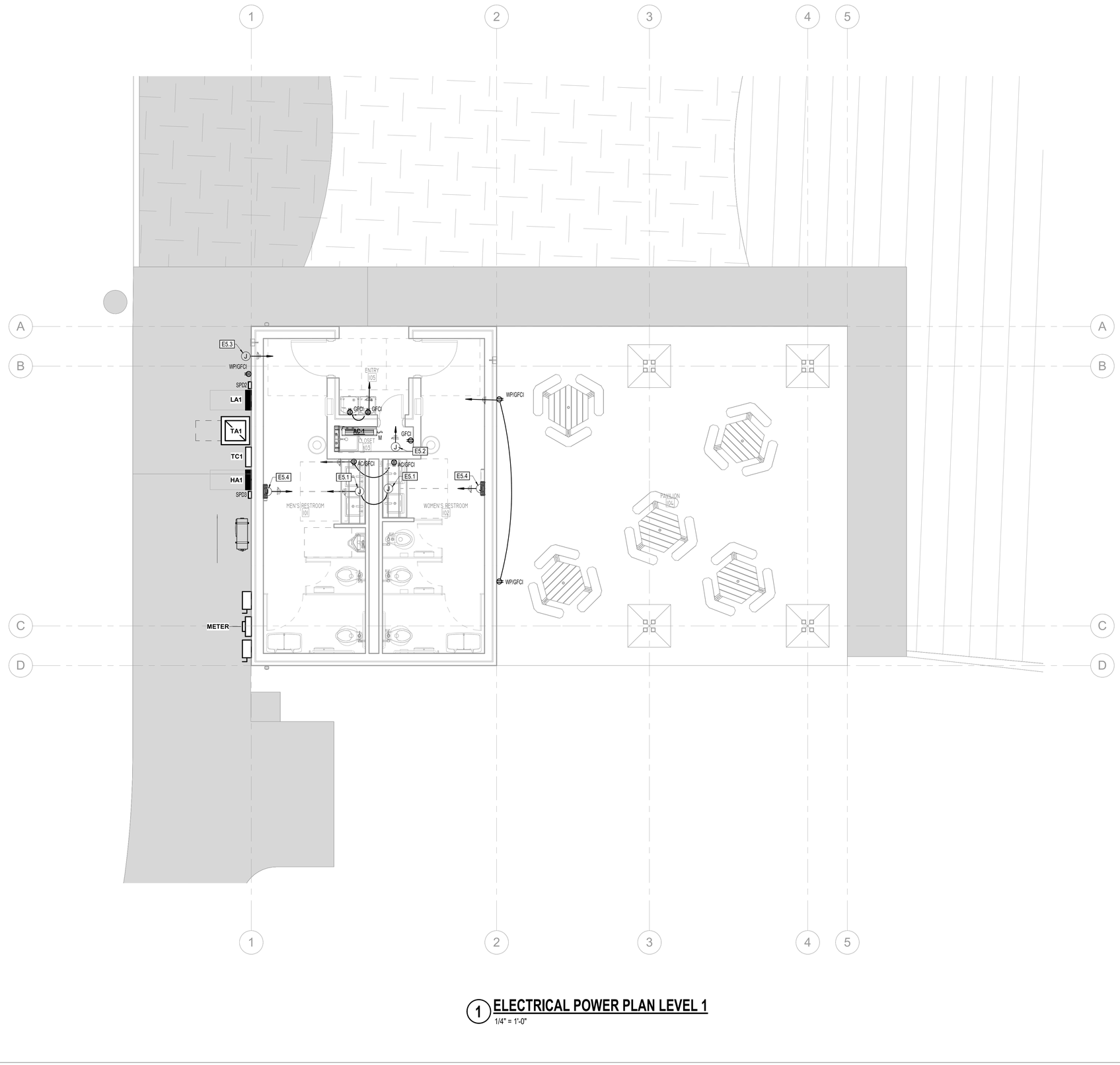

1 ELECTRICAL POWER PLAN LEVEL 1

1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

E5.1 PROVIDE 120V POWER FOR HARD WIRED LAVATORY FAUCET. PROVIDE 12-VOLT AC TRANSFORMER IF REQUIRED. COORDINATE WITH LAVATORY FAUCET MANUFACTURER FOR TRANSFORMER REQUIREMENT. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

E5.2 PROVIDE 120V POWER FOR SPLASH PAD CONTROL. COORDINATE WITH SPLASH PAD CONTROL MANUFACTURER FOR EXACT REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

E5.3 PROVIDE 120V POWER FOR IRRIGATION CONTROL. COORDINATE WITH IRRIGATION CONTROL MANUFACTURER FOR EXACT REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

E5.4 PROVIDE 120V POWER FOR HAND DRYER. COORDINATE WITH HAND DRYER MANUFACTURER FOR EXACT REQUIREMENTS. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

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ELECTRICAL POWER ENLARGED PLAN

E3.02

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TRANSFORMER FEEDER SCHEDULE - HARMONIC MITIGATING - 3 PHASE

PRIMARY VOLTAGE				SECONDARY VOLTAGE			
480V, THREE PHASE				120/208V, THREE PHASE, FOUR WIRE			
KVA	FEEDER	CONDUIT	BREAKER	FEEDER	CONDUIT	BREAKER	G.E.C. SIZE
15	3 #10, 1 #10 G.	3/4"	25A/3P	3 #6, 1 #4N, 1 #8G.	1"	60A/3P	#8
30	3 #8, 1 #10 G.	1"	45A/3	3 #3, 1 #1/0N, 1 #8G.	1 1/4"	100A/3P	#8
45	3 #4, 1 #8 G.	1"	70A/3P	3 #1/0, 1 #4/0N, 1 #6G.	2"	150A/3P	#6
75	3 #1, 1 #6 G.	1 1/4"	125A/3P	3 #250, 2 #3/0N, 1 #2G.	3"	250A/3P	#2
112.5	3 #2/0, 1 #6 G.	1 1/2"	175A/3P	3 #600, 2 #300N, 1 #1/0G.	4"	400A/3P	#1/0
150	3 #4/0, 1 #4 G.	2"	225A/3P	(2) SETS OF 3 #250, 2 #3/0N, 1 #1/0G.	3"	500A/3P	#1/0
225	3 #500, 1 #3 G.	3"	350A/3P	(2) SETS OF 3 #600, 2 #300N, 1 #3/0G.	4"	800A/3P	#3/0
300	(2) SETS OF 3 #4/0, 1#2G	2 1/2"	450A/3P	(3) SETS OF 3 #500, 2 #250N, 1 #3/0G.	3 1/2"	1000A/3P	#3/0
500	(2) SETS OF 3 #500, 1#1/0G	3"	800A/3P	(5) SETS OF 3 #500, 2 #300N, 1 #350G.	3 1/2"	1800A/3P	#3/0

NOTE:
-ALL CONDUCTORS SHALL BE COPPER

TRANSFORMER SCHEDULE

MARK	KVA	PRI. VOLTAGE	SECONDARY VOLTAGE	MOUNTING	ENCLOSURE	REMARKS
TA1	45.0	480V, 3PH.	208Y/120V, 3PH., 4W	PAD	Type 3R	

* PROVIDE ALL TRANSFORMERS WITH ALUMINUM WINDING, UNLESS NOTED OTHERWISE.

SURGE PROTECTION DEVICE (SPD) SCHEDULE

MARK	MANUFACTURER	MODEL	VOLTAGE	PHASE	SURGE RATING PER MODE	BREAKER SIZE	TIERGUIDE CABLE SIZE
SPD2	SOUTHERN TIER TECHNOLOGIES	T45120Y100AWAJ2S	208/120V	3	100/200kA	30A/3P	INCLUDED
SPD3	SOUTHERN TIER TECHNOLOGIES	T45277Y100AWAJ2S	480/277V	3	100/200kA	30A/3P	INCLUDED

SPD NOTES

*ALL T45 SERIES SPD ENCLOSURES INSTALLED IN FOOD SERVICE AREAS (IE. KITCHENS, SNACK BARS, FOOD LABS, CULINARY ARTS ROOMS AND LIFE SKILLS ROOMS) SHALL BE RECESSED IN THE WALL. PROVIDE RECESSED WALL KIT #RKSS.

FEEDER SCHEDULE
COPPER ONLY

RATING	SETS	CONDUCTOR SIZE	CONDUIT
30A	1	4#10, 1#10 G.	3/4"
40A	1	4#8, 1#10 G.	1"
50A	1	4#8, 1#10 G.	1"
60A	1	4#6, 1#10 G.	1"
70A	1	4#4, 1#8 G.	1 1/4"
80A	1	4#4, 1#8 G.	1 1/4"
90A	1	4#3, 1#8 G.	1 1/4"
100A	1	4#3, 1#8 G.	1 1/4"
125A	1	4#1, 1#6 G.	1 1/2"
150A	1	4#1/0, 1#6 G.	1 1/2"
175A	1	4#2/0, 1#6 G.	2"
200A	1	4#3/0, 1#6 G.	2"
225A	1	4#4/0, 1#4 G.	2 1/2"
250A	1	4#250, 1#4 G.	2 1/2"
300A	1	4#350, 1#4 G.	3"
350A	1	4#500, 1#3 G.	3 1/2"
400A	1	4#600, 1#3 G.	4"
450A	2	4#4/0, 1#2 G.	2 1/2"
500A	2	4#250, 1#2G.	2 1/2"
600A	2	4#350, 1#1G.	3"
700A	2	4#500, 1#1/0G.	4"
800A	2	4#600, 1#1/0G.	4"
1000A	3	4#500, 1#2/0G.	4"
1200A	4	4#350, 1#3/0G.	3"
1600A	4	4#600, 1#4/0G.	4"
	5	4#500, 1#4/0G.	4"
2000A	5	4#600, 1#250 G.	4"
	6	4#500, 1#250 G.	4"
2500A	6	4#600, 1#350 G.	4"
	7	4#500, 1#350 G.	4"
3000A	8	4#500, 1#400 G.	4"
3500A	9	4#600, 1#500 G.	4"
	10	4#500, 1#500 G.	4"
4000A	10	4#600, 1#500 G.	4"
	11	4#500, 1#500 G.	4"
5000A	12	4#600, 1#750 G.	4"
	14	4#500, 1#750 G.	4"

1. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
2. GROUND NOT REQUIRED AT SERVICE LATERAL.

Panelboard HA1

65000 A AIC Rating
X New
Existing

480/277 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating
Mains Type: MCB
200 A MCB -- ; 200 A BUS (Copper) ; --
LUGS: -- ; --
Mounting Stye: SURFACE

NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE
						1 2						
						3 4						
						5 6						
						7 8						
						9 10						
						11 12						
						13 14						
						15 16						
						17 18						
						19 20						
						21 22	30 A	10	SPD3	SP	0 VA	
						23 24						

NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity
220.47	(R)Receptacle				210.20A	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0 VA	620.14	(E)Elevators			
220.60	(H)Heating			0 VA		(WH)Wat. Htr.			
220.60	(F)Fans				220.50	(MT)Lrg. Motor			
	(M)Misc.					(SP)Sub Pnl.	0 VA	Not Computed	0 VA
					630.11B	(W) Welders			

Total Connected Load: 0 VA VA = 0 A
Total Load (Diversified): 0 VA VA = 0 A
Location of Panel:

Panelboard LA1

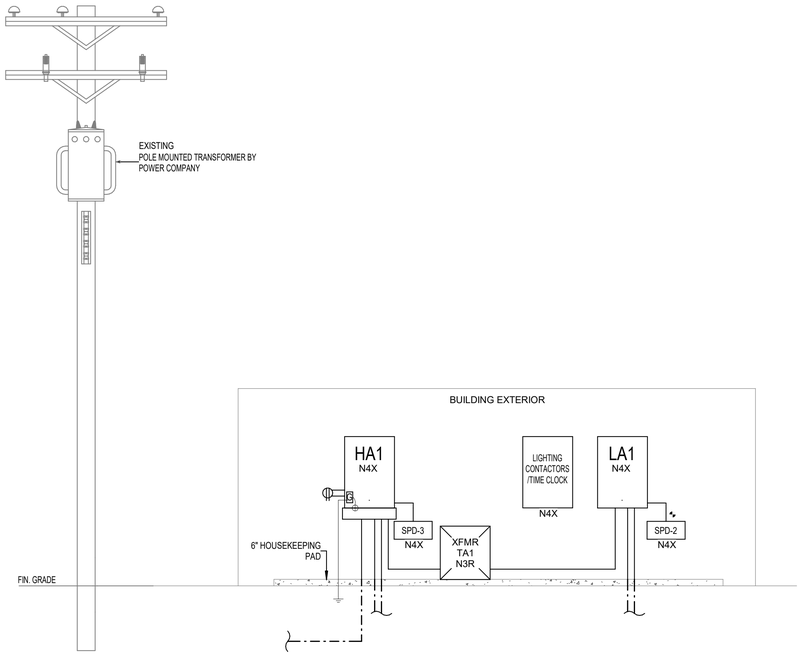
10000 A AIC Rating
X New
Existing

120/208 Wye Volt, 3 Phase, 4 Wire; 1 Section; Type 1 -Nema Rating
Mains Type: MCB
70 A MCB -- ; 100 A BUS (Copper) ; --
LUGS: -- ; --
Mounting Stye: SURFACE

NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE
						1 2						
						3 4						
						5 6						
						7 8						
						9 10						
						11 12						
						13 14						
						15 16						
						17 18						
						19 20						
						21 22	30 A	10	SPD2	SP	0 VA	
						23 24						

NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity
220.47	(R)Receptacle				210.20A	(L)Lighting			
220.56	(K)Kitchen					(EL)Ext. Ltg.			
220.60	(C)Cooling			0 VA	620.14	(E)Elevators			
220.60	(H)Heating			0 VA		(WH)Wat. Htr.			
220.60	(F)Fans				220.50	(MT)Lrg. Motor			
	(M)Misc.					(SP)Sub Pnl.	0 VA	Not Computed	0 VA
					630.11B	(W) Welders			

Total Connected Load: 0 VA VA = 0 A
Total Load (Diversified): 0 VA VA = 0 A
Location of Panel:



1 ELECTRICAL ONE-LINE DIAGRAM
NOT TO SCALE

ONE-LINE DIAGRAM GENERAL NOTES:

A. CONTRACTOR SHALL UTILIZE THE MANUFACTURER OF ELECTRICAL EQUIPMENT TO PROVIDE A SHORT CIRCUIT, COORDINATION, AND ARC FLASH STUDY OF THE ENTIRE ELECTRICAL SYSTEM.

1. CONTRACTOR SHALL SUBMIT FULL STUDY PRIOR TO RELEASE OF ELECTRICAL EQUIPMENT FOR MANUFACTURER TO ENSURE EQUIPMENT IS IN COMPLIANCE WITH ALL STUDIES. STUDIES SHALL BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER.
2. PROVIDE DATA TO ENSURE SHORT CIRCUIT INTERRUPTING RATINGS OF EQUIPMENT IS GREATER THAN FAULT CURRENT AVAILABLE AT EQUIPMENT. COORDINATION STUDY SHALL PROVIDE SETTINGS FOR BREAKERS AND/OR FUSE SELECTION TO SELECTIVELY COORDINATE IN EMERGENCY, LEGALLY REQUIRED STANDBY, FIRE PUMPS AND ELEVATOR (NEC ARTICLE 700, 701, 620, 695) AREAS OF THE SYSTEM AND PROVIDE BEST COORDINATION SETTINGS IN THE BALANCE OF SYSTEM. .1 SECONDS DOES NOT COMPLY WITH NEC ARTICLE 700.32.
3. SERIES RATINGS MAY BE USED EXCEPT FOR SWITCHBOARDS AND DISTRIBUTION PANELS. SWITCHBOARDS AND DISTRIBUTION PANELS SHALL BE FULLY RATED. WHERE SERIES RATINGS ARE UTILIZED, EQUIPMENT SHALL BEAR BLUE LABELS INDICATING SERIES RATED EQUIPMENT ON THE EXTERIOR OF EACH ENCLOSURE.
4. ARC FLASH STUDY SHALL PROVIDE ARC INCIDENT ENERGY LEVELS, ARC FLASH BOUNDARY, AND PPE INFORMATION TO BE PRINTED AND APPLIED TO EACH EQUIPMENT IN THE SYSTEM. PROVIDE ALL TRIP CURVE, BREAKER/FUSE TESTED PAIR DATA AS WELL AS EQUIPMENT INTERRUPTING DATA AS PART OF STUDY.
5. REFER TO SPECIFICATIONS SECTION 26.05.73.

B. METERING EQUIPMENT ENCLOSURE PROVIDED BY POWER CO., INSTALLED BY ELECTRICAL CONTRACTOR PER POWER COMPANY SPECIFICATIONS. METERS INSTALLED BY POWER COMPANY.

C. CONTRACTOR SHALL INSTALL FEEDERS BASED ON THE OVERCURRENT DEVICE RATING UNLESS OTHERWISE NOTED. CONTRACTOR SHALL REFER TO THE FEEDER SCHEDULE TO OBTAIN AND INSTALL THE FEEDERS REQUIRED.

D. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2" X 3" IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION.

E. PRIOR TO INSTALLATION OF UNDERGROUND FEEDERS, THE ELECTRICAL CONTRACTOR SHALL SUBMIT AN UNDERGROUND ROUTING PLAN TO THE ENGINEER OF RECORD., INDICATING THE EXACT ROUTING PATH FOR ALL UNDERGROUND CONDUIT. INDICATE STUB-UP LOCATIONS, SIZE AND QUANTITY OF CONDUIT. ALL ELECTRICAL PANELS AND EQUIPMENT SHALL BE SHOWN ON THIS PLAN FOR REFERENCE OF CONDUIT TERMINATION.

F. CONTRACTOR SHALL COORDINATE NEW ELECTRICAL SERVICE WITH UTILITY COMPANY. PROVIDE CONDUIT, TRANSFORMER PAD, AND TAP BOX, WHERE REQUIRED. ALL NEW UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY STANDARDS.

ONE-LINE DIAGRAM KEYED NOTES:

1. CONTRACTOR SHALL PROVIDE METER CAN, CURRENT TRANSFORMERS ENCLOSURE, AND POTENTIAL TRANSFORMER ENCLOSURE AS REQUIRED TO PROVIDE NEW SERVICE ENTRANCE PER CENTERPOINT ENERGY STANDARDS.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ELECTRICAL ONE-LINE DIAGRAM

E4.01

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LIGHTING CONTROLS DEVICE SCHEDULE

TYPE	DESCRIPTION	COMMENTS
$ ^{3} ^{4} ^{K}	LINE VOLTAGE SWITCH.	'3' INDICATES THREE WAY SWITCHING. '4' INDICATES FOUR WAY SWITCHING. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
^{MC}	LINE VOLTAGE MOMENTARY CONTACT SWITCH.	
^{DR}	LINE VOLTAGE DIMMER SWITCH	DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.
^{3,D}	LINE VOLTAGE DIMMER WITH 3-WAY SWITCH.	3-WAY DIMMER FOR USE IN DWELLING UNIT. COORDINATE DIMMING TYPE WITH FINAL FIXTURE AND LAMP SELECTION TO ENSURE COMPATIBILITY.
^{F}	MULTI-SPEED FAN CONTROLLER WITH LINE VOLTAGE SWITCH.	
^{T}	LINE VOLTAGE TIMER SWITCH WITH DIGITAL TIMER.	RATED FOR 120/277VAC. PROVIDE WITH AUDIBLE & VISUAL ALERTS. USER PROGRAMMABLE FOR 5MIN-12HR TIME-OUT SETTINGS.
^{OC1}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR	SENSOR SHALL BE SET TO VACANCY MODE
^{OC2}	LINE VOLTAGE WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR WITH DUAL RELAYS.	SENSOR SHALL BE SET TO VACANCY MODE. ONE RELAY SHALL SERVE 120 VOLT LIGHTING IN AREA INDICATED, AND ONE RELAY SHALL SERVE 277 VOLT LIGHTING.
^{OCD}	LOW VOLTAGE OC SENSOR SWITCH WITH 0-10V DIMMER	SENSOR SHALL BE SET TO VACANCY MODE
^{LV} ^{LVK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO POWER PACK OR ROOM CONTROLLER IF OCCUPANCY SENSORS ARE INDICATED ON PLAN. PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
^{OR} ^{ORK}	LOW VOLTAGE MANUAL CONTROL.	CONNECT TO RELAY PANEL OR TIME CLOCK FOR TIME OF DAY OVERRIDE AS NOTED ON PLANS. PROVIDE MULTI-BUTTON SWITCH AS NOTED ON PLANS. 'K' INDICATES SWITCH SHALL BE KEYED SWITCH.
^{D}	LOW VOLTAGE SWITCH WITH 0-10V DIMMER	PROVIDE MULTI-BUTTON SWITCH AS REQUIRED PER SWITCH LEGS SHOWN ON PLANS. PROVIDE POWER PACKS OR ROOM CONTROLLERS AS REQUIRED.
OC1	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS NEEDED.
OC2	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC3	CEILING MOUNTED ULTRASONIC OR MICROPHONIC OCCUPANCY SENSOR.	SET TO OCCUPANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC4	CORNER MOUNTED DUAL TECH OCCUPANCY SENSOR.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
OC5	WET LOCATION PIR OCCUPANCY SENSOR.	CONNECT GARAGE OCCUPANCY SENSORS TO RELAY PANEL SERVING AREA. PROVIDE POWER PACKS FOR CONTROL WHERE NOT LOCATED IN THE GARAGE.
OC6	CEILING MOUNTED DUAL TECH OCCUPANCY SENSOR FOR HIGH BAY APPLICATION.	SET TO VACANCY MODE. PROVIDE POWER PACKS AS REQUIRED.
PC	DIGITAL PHOTOSENSOR	CONNECT TO ROOM CONTROLLER OR RELAY PANEL AS NOTED ON PLANS.
DS	DAYLIGHT HARVESTING SENSOR	CONNECT TO ROOM CONTROLLER OR INDIVIDUAL LIGHT FIXTURE FOR DAYLIGHT HARVESTING DIMMING CONTROL.

NOTES:
1. WATTSTOPPER IS THE BASIS OF DESIGN.
2. THE LIGHTING CONTROLS SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHTING CONTROLS IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHTING CONTROL SYSTEMS WILL BE ISSUED IN AN ADDENDUM.
3. BASIS OF DESIGN SHALL BE A HARD-WIRED TYPE SYSTEM, UNLESS NOTED OTHERWISE.

IECC 2015 (VERTICAL)

IECC 2015 STANDARD SEQUENCE of OPERATIONS	AUTO ON	MANUAL ON (VACANCY)	AUTO OFF (30 MIN MAX)	PARTIAL OFF AT NORMAL HOURS	AUTO OFF AFTER HOURS (30 MIN MAX)	TIME ON	TIME OFF	ASTRONOMIC or PHOTOCELL ON/OFF	AUTO STEP CONTROL WITH OFF	AUTO CONTINUOUS DIM WITH OFF	MANUAL BI-LEVEL REDUCTION CONTROL	MANUAL CONINUOUS DIM CONTROL	MANUAL ON/OFF SWITCH	MANUAL DIMMER SWITCH	DISPLAY, ACCENT, TASK CONTROL	V0-2-032817
ROOM TYPE	OCCUPANCY SENSOR					TIME SWITCH			DAYLIGHT CONTROL		LT REDUCT		MANUAL CONTROL			SEQUENCE OF OPERATION
SPACES (≥300 sq ft)	50%		20 MIN							D	•	D	•	D		Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
RESTROOM	100%		20 MIN								•		•			Auto On 100%. Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls;
STORAGE ROOM	50%		20 MIN							D	•	D	•	D		Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
MULTIPURPOSE (≤ 100 sq ft)	50%		20 MIN							D	•	D	•	D		Auto On 50%; Occupancy sensor Auto Off; Local control and ≥50% light reduction with two on/off controls; Where ≥150W in daylight area, use continuous dimming daylighting control and dimmer switch.
BUILDING FACADE / LANDSCAPE						CLOSE	OPEN	•								Dusk Auto On with astronomical time switch or photocell; Evening Time Auto Off as a function of close time. Morning Time On as a function of open time; Dawn Auto Off.
EXTERIOR / PARKING LOTS / SITE LIGHTING						6AM	12:00 AM	•								Dusk Auto On with astronomical time switch or photocell; Reduce at least 30% from midnight or up to one hour after business close. Auto On to full at 6:00AM or up to one hour before business open. Dawn Auto Off.

IECC, ASHRAE (NOTES)

●= Designation for code compliant default control design for spaces without daylighting control
D= Where daylighting control is required, "D" designation indicates controls required in the space for code compliance design
CK= Captive Key Switch system for use in Hotel/Motel and Guest Suites

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	MOUNTING	LAMPS	VOLTAGE	WATTAGE	DESCRIPTION
A1E			SURFACE	LED	277 V	58 VA	LED STRIP
B1			SURFACE	LED	277 V	58 VA	LED WALL WASH
C1E			PENDANT	LED	277 V	58 VA	LED PENDANT
E1			PENDANT	LED	277 V	58 VA	EXTERIOR RATED LED PENDANT
G1			SURFACE	LED	277 V	58 VA	EXTERIOR LED SCONCE
S1	NATIONAL LED	DORADO XLE	POLE	LED	277 V	100 VA	LED POLE
S2	JEC	ALL IN ONE SMART SOLAR LIGHT	POLE	LED	277 V	100 VA	LED POLE
WP1			SURFACE	LED	277 V	58 VA	LED WALL PACK
X1			SURFACE	LED	277 V	2 VA	LED EXIT SIGN

NOTES:
1. LIGHTING FIXTURE CATALOG NUMBERS AND DESCRIPTIONS ARE SCHEDULED FOR ESTABLISHING QUALITY, APPEARANCE AND PERFORMANCE OF THE FIXTURES AS REQUIRED BY THE DESIGN. EXACT CATALOG NUMBERS DESCRIBING MOUNTING CONDITIONS, FINISHES AND REQUIREMENTS RELATED TO TRIMS AND LENS FOR ALL FIXTURES SHALL BE CONFIRMED (BY THE CONTRACTOR) WITH THE ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS, INCLUDING GRID TYPES, ON THE ARCHITECTURAL DRAWINGS PRIOR TO BIDDING. FIXTURES SHALL BE SUBMITTED ACCORDING TO THE CONDITIONS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. THE NEW LIGHT FIXTURES SCHEDULED ARE THE BASIS OF DESIGN. IT IS NOT INTENDED TO LIMIT COMPETITION FROM EQUAL MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHT FIXTURES IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHT FIXTURES WILL BE ISSUED IN AN ADDENDUM.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ELECTRICAL SCHEDULES

E5.01

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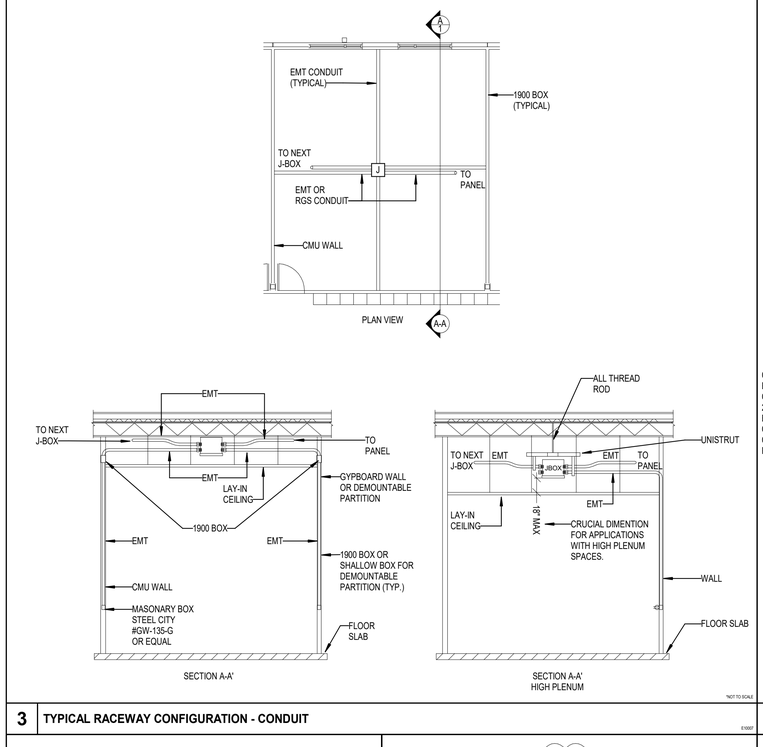
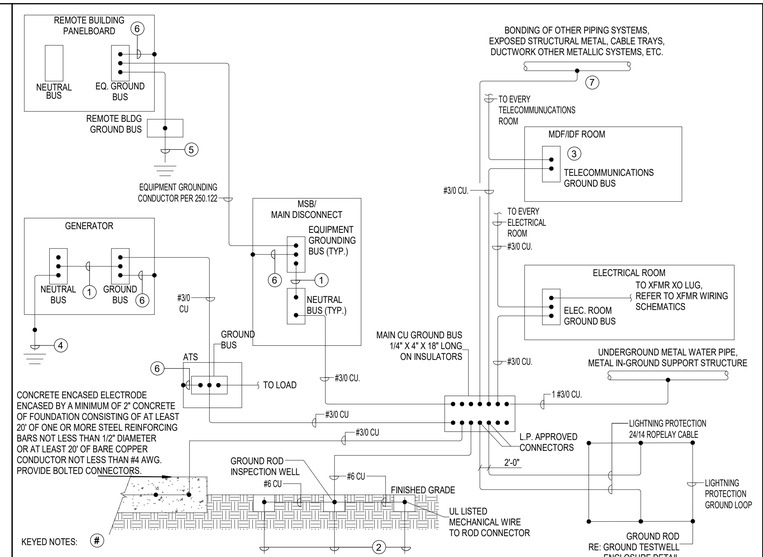


NOT TO SCALE

3 TYPICAL RACEWAY CONFIGURATION - CONDUIT

E1007

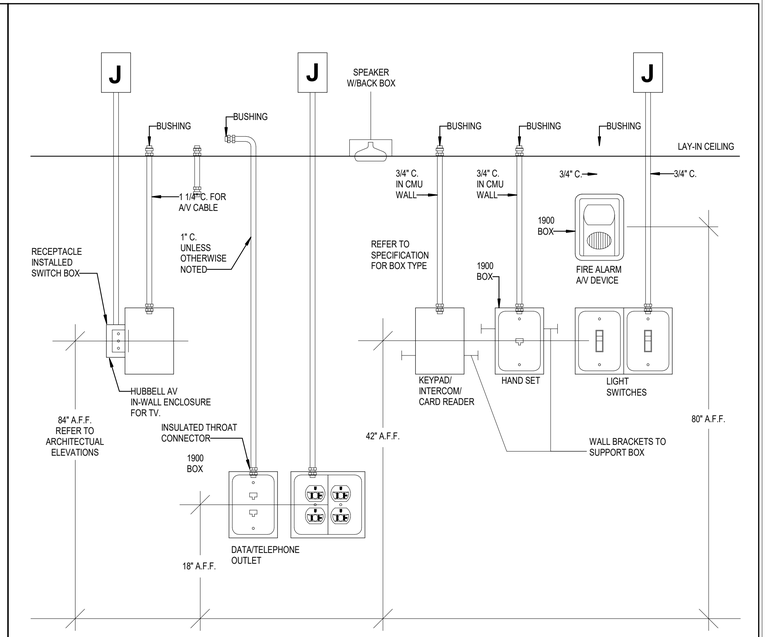


1. MAIN BONDING JUMPER SIZED BY MANUFACTURER OR TABLE 250.102(C)(1).
2. COPPER BONDED STEEL ELECTRODE 5/8" IN DIAMETER 10'-0" LONG WITH A MINIMUM OF 8'-0" IN DIRECT CONTACT WITH THE EARTH PER N.E.C. 250.52(A)(5) AND 250.53(A)(4). PROVIDE TRIAD GROUNDING SYSTEM CONSISTING OF THREE GROUND RODS SPACED NO LESS THAN 10'-0" APART.
3. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. COPPER BONDED STEEL ELECTRODE 5/8" IN DIAMETER 10'-0" LONG WITH A MINIMUM OF 8'-0" IN DIRECT CONTACT WITH THE EARTH PER N.E.C. 250.52(A)(5) AND 250.53(A)(4).
5. GROUNDING ELECTRODE SYSTEM AS REQUIRED BY ARTICLE 250 OF THE CURRENT VERSION OF THE N.E.C. PROVIDE TRIAD GROUNDING SYSTEM AS INDICATED IN KEYED NOTE #2.
6. BOND TO ENCLOSURE WITH U.L. LISTED GREEN SCREW AND BOND TERMINAL. JUMPER CABLE SHALL BE SIZED BY MANUFACTURER OR TABLE 250.102(C)(1).
7. OTHER PIPING SYSTEMS INCLUDING GAS PIPING AND STRUCTURAL METAL THAT IS LIKELY TO BE ENERGIZED SHALL BE BONDED PER NEC 250.104.

NOT TO SCALE

2 GROUNDING ELECTRODE SYSTEM AND BONDING DETAIL - SINGLE SERVICE

ME-005

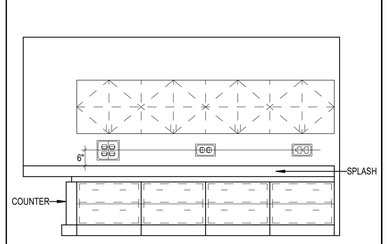


NOTE: COORDINATE EXACT LOCATION OF ALL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

NOT TO SCALE

1 TYPICAL DEVICE ELEVATIONS

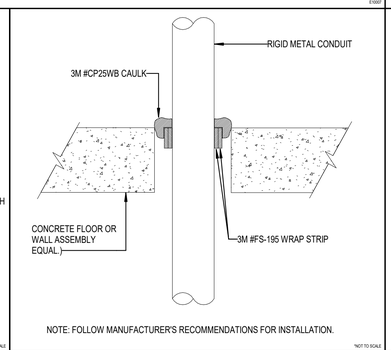
E1001



NOT TO SCALE

9 TYPICAL COUNTERTOP DEVICE ELEVATION

E1009

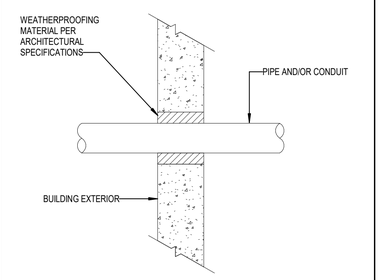


NOTE: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

NOT TO SCALE

8 2, 3 AND 4 HR. PENETRATIONS FOR CONCRETE

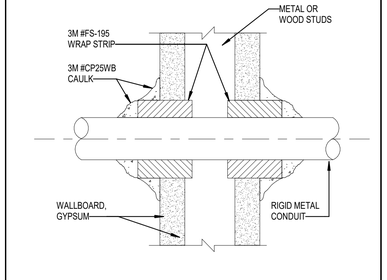
E1015



NOT TO SCALE

7 PIPE AND/OR CONDUIT PENETRATION

E1018

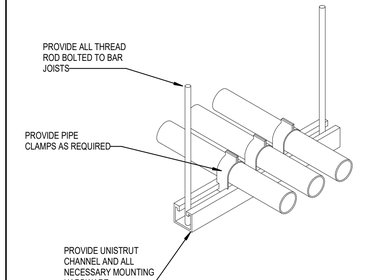


NOTE: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION

NOT TO SCALE

6 2 HR. GYPSUM WALLBOARD PIPE PENETRATION

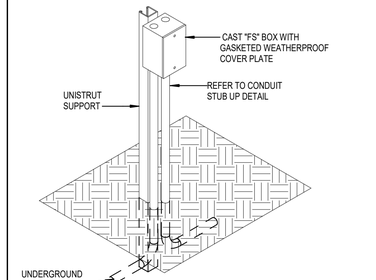
E1017



NOT TO SCALE

5 UNISTRUT CONDUIT

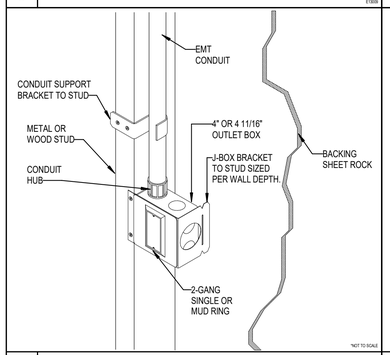
E1020



NOT TO SCALE

4 JUNCTION BOX MOUNTING

E1002



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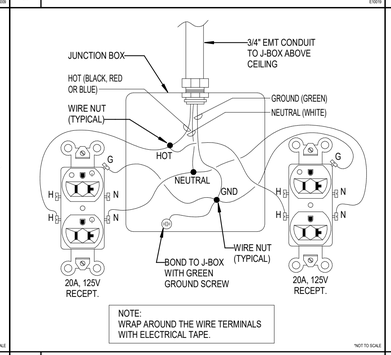
14 J-BOX STUD

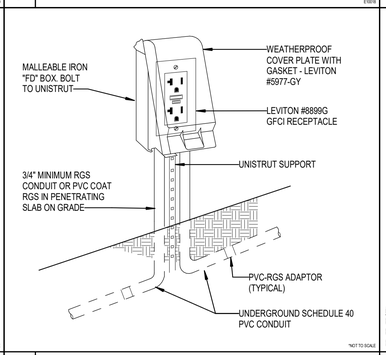
E1008



NOT TO SCALE

13 20A, 125V RECEPTACLE WIRING

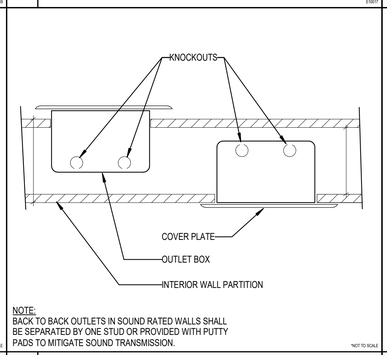
E1025



NOT TO SCALE

12 RECEPTACLE MOUNTING

E1027

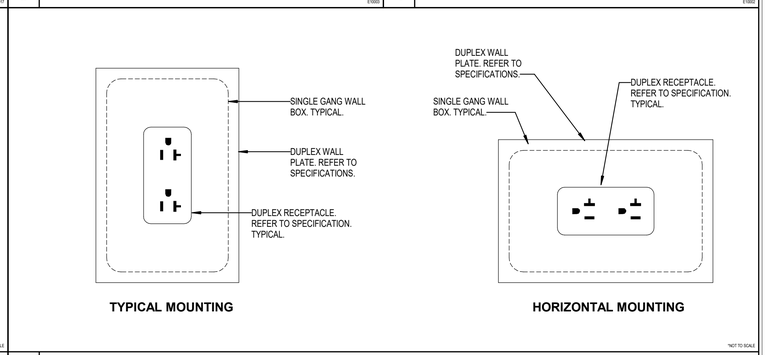


NOTE:
BACK TO BACK OUTLETS IN SOUND RATED WALLS SHALL BE SEPARATED BY ONE STUD OR PROVIDED WITH PUTTY PADS TO MITIGATE SOUND TRANSMISSION.

NOT TO SCALE

11 BACK - TO - BACK OUTLETS

E1022



NOT TO SCALE

10 RECEPTACLE MOUNTING

E1016

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

ELECTRICAL DETAILS

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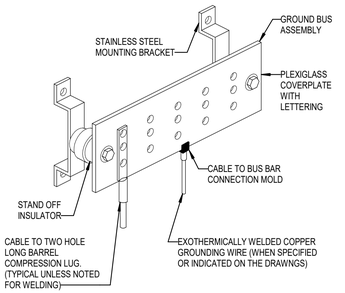

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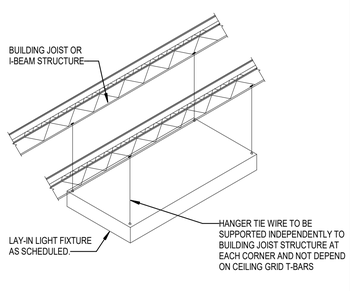
5 TECHNICAL GROUND BUS E1603



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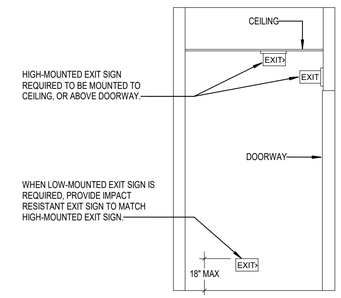
4 LIGHTING FIXTURE SUPPORT E1424



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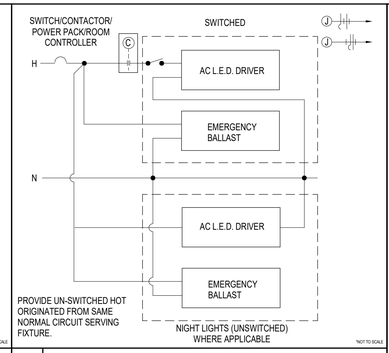
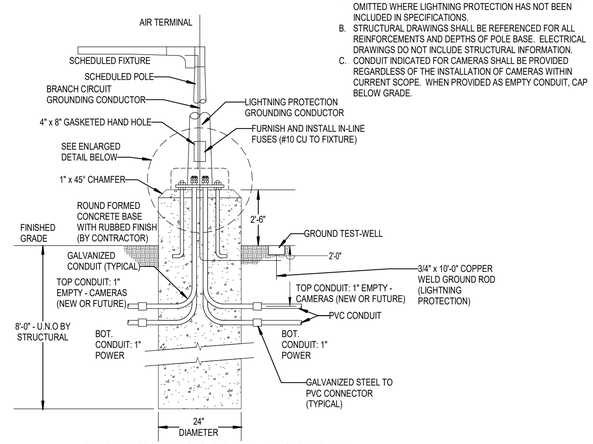
3 HIGH/LOW EXIT SIGN TYPE 'XR' E1608



NOT TO SCALE

2 EMERGENCY BATTERY WIRING E1604

NOTES:
A. AIR TERMINAL AND LIGHTING PROTECTION SCOPE SHALL BE OMITTED WHERE LIGHTNING PROTECTION HAS NOT BEEN INCLUDED IN SPECIFICATIONS.
B. STRUCTURAL DRAWINGS SHALL BE REFERENCED FOR ALL REINFORCEMENTS AND DEPTHS OF POLE BASE. ELECTRICAL DRAWINGS DO NOT INCLUDE STRUCTURAL INFORMATION.
C. CONDUIT INDICATED FOR CAMERAS SHALL BE PROVIDED REGARDLESS OF THE INSTALLATION OF CAMERAS WITHIN CURRENT SCOPE. WHEN PROVIDED AS EMPTY CONDUIT, CAP BELOW GRADE.



NOTE: THE CONCRETE POUR SHALL BE MONOLITHIC.

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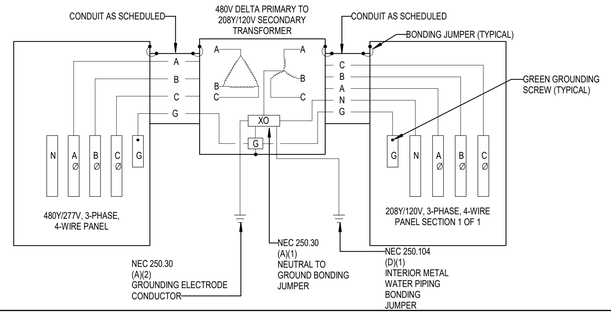
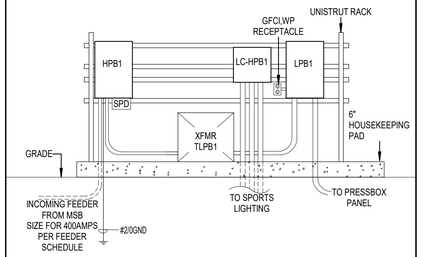
1 CONCRETE POLE BASE 1 E1409



NOT TO SCALE

7 3-PHASE TRANSFORMER WIRING SCHEMATIC E2606



6 CUST.

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CHECK | DBR

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ELECTRICAL DETAILS

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ABBREVIATIONS

A

A	AIR (COMPRESSED)
ABV	ABOVE
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT, AIR COMPRESSOR
ACCH	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AF	AIR FILTER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHRI	AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AMB	AMBIENT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
ASHP	AIR SOURCE HEAT PUMP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

B

B	BOILER
BC	BELOW COUNTER
B/C	BACK OF CURB
BFF	BELOW FINISHED FLOOR
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BM	BENCHMARK
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STRUCTURE
BP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE

C

C	CELSIUS
CAB	CABINET
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CH	CHILLER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CHW	CHILLED WATER
CHWP	CHILLED WATER PUMP
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESSOR
CONC	CONCRETE, CONCENTRIC
COND	CONDENSER, CONDENSATE
CONN	CONNECTION
CONT	CONTINUOUS,CONTINUATION
CTR	CENTER
CU	COPPER
CV	CONSTANT VOLUME

D

D	DEPTH, DRAIN, DRYER
DB	DRY BULB
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DDMB	DUAL DUCT MIXING BOX
DESIG	DESIGNATION
DTL	DETAIL
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DPR	DAMPER
DW	DISHWASHER
DWG	DRAWING
DX	DIRECT EXPANSION

E

EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
EDB	ENTERING DRY BULB
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
EMERG	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETD	EXISTING TO BE DEMOLISHED
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
EVAP	EVAPORATOR
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EX	EXPLOSION PROOF
EXT	EXTERNAL
EXTG	EXISTING

F

F	FAHRENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCU	FAN COIL UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FPTU	FAN POWERED TERMINAL UNIT
FT	FOOT, FEET
FUT	FUTURE

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLV	GLOBE VALVE
GND	GROUND
GPM	GALLONS PER MINUTE
GUH	GAS UNIT HEATER
GV	GATE VALVE

H

HDT	HORIZONTAL DRAW THROUGH
HORIZ	HORIZONTAL
HP	HORSEPOWER, HEAT PUMP
HSTAT	HUMIDISTAT
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ

I

ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
INSUL	INSULATION
INT	INTERNAL, INTERIOR

K

KEC	KITCHEN EQUIPMENT CONTRACTOR
KO	KNOCKOUT
KVA	KILOVOLT- AMPS
KW	KILOWATT

L

L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWB	LEAVING WET BULB
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE

M

MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MTD	MOUNTED
MU	MAKE-UP
MVD	MANUAL VOLUME DAMPER
MSAH	MINI-SPLIT AIR HANDLER
MSCU	MINI-SPLIT CONDENSING UNIT
MZ	MULTI-ZONE

N

N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE

O

OA	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAHU	OUTSIDE AIR HANDLING UNIT
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OFCU	OUTSIDE AIR FAN COIL UNIT
OPG	OPENING
OS&Y	OUTSIDE SCREW AND YOKE

P

PG	PRESSURE GAUGE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRI	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANTITY

R

RA	RETURN AIR
RAD	REFRIGERATED AIR DRYER
RAF	RETURN AIR FAN
RAG	RETURN AIR GRILLE
RAT	RETURN AIR TEMPERATURE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFERENCE, REFER
RED	REDUCER
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RH	RELATIVE HUMIDITY
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RLA	RUNNING LOAD AMPS
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SAG	SUPPLY AIR GRILLE
SAR	SUPPLY AIR REGISTER
SC	STEAM CONDENSATE
SCHED	SCHEDULED
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SHT	SHEET
SIM	SIMILAR
SM	SHEETMETAL
SP	STATIC PRESSURE, SUMP PUMP
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	STAINLESS STEEL
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STM	STEAM
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT
SW	SOFT WATER
SZ	SINGLE ZONE

T

TC	TEMPERATURE CONTROL
TDH	TOTAL DYNAMIC HEAD
TF	TRANSFER FAN
TH BLK	THRUST BLOCK
THERM	THERMOMETER
TMV	THERMOSTATIC MIXING VALVE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TW	TEMPERED HOT WATER
TYP	TYPICAL

U

UCD	UNDER CUT DOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC
UNO	UNLESS NOTED OTHERWISE
U/F	UNDERFLOOR
U/S	UNDERSLAB

V

V	VOLT
VA	VOLT- AMPERE
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX, VACUUM BREAKER
VD	VOLUME DAMPER
VDT	VERTICAL DRAW THROUGH
VEL	VELOCITY
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VIB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VRF	VARIABLE REFRIGERANT FLOW
VVR	VARIABLE AIR VOLUME REHEAT

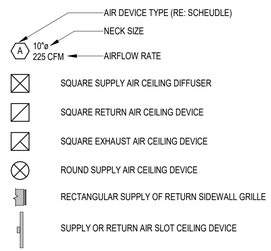
W

W	WATT, WIDTH
W/	WITH
W/O	WITHOUT
WB	WET BULB
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WSHP	WATER SOURCE HEAT PUMP
WWF	WELDED WIRE FABRIC

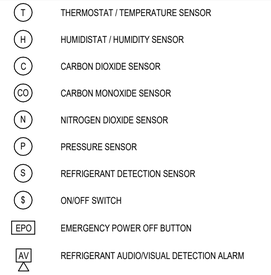
Z

Z	ZONE

AIR DEVICE TYPES



WALL MOUNTED SENSOR AND DEVICE TYPES



CONTROLS SCHEMATIC SYMBOLS LEGEND

AI	ANALOG INPUT	FS	FLOW SWITCH
AO	ANALOG OUTPUT	DAT	DISCHARGE AIR TEMPERATURE SENSOR
DI/BI	DIGITAL/BINARY INPUT	S	WALL SENSOR
DO/BO	DIGITAL/BINARY OUTPUT	T	THERMOSTAT
MD	ON-OFF MOTORIZED DAMPER	CO2	CARBON DIOXIDE SENSOR
MMD	MODULATING TYPE MOTORIZED DAMPER	SP	SET POINT
AFMS	AIR FLOW MEASURING STATION	S/A	SUPPLY AIR
MCV	CONTROL VALVE MODULATING TYPE	R/A	RETURN AIR
VFD	VARIABLE FREQUENCY DRIVE	O/A	OUTSIDE AIR
CSR	CURRENT SENSING RELAY	HC	HEATING COIL
FRZ	FREEZESTAT	CC	COOLING COIL
HSL	HIGH STATIC LIMIT	DX	DIRECT EXPANSION COOLING COIL
SPT	STATIC PRESSURE TRANSMITTER	PICCV	PRESSURE INDEPENDENT CHARACTERIZED CONTROL VALVE
DPT	DIFFERENTIAL PRESSURE TRANSDUCER	AFC	AIRFLOW CROSS
FM	FLOW METER	DPS	DIFFERENTIAL PRESSURE SWITCH

PIPING TYPES

CD	CONDENSATE DRAIN LINE	REF	REFRIGERANT PIPING SIZED BY MFR.
CHS	CHILLED WATER SUPPLY	HPS	HIGH PRESSURE STEAM SUPPLY
CHR	CHILLED WATER RETURN	HPR	HIGH PRESSURE CONDENSATE RETURN
HWS	HOT WATER SUPPLY	LPS	LOW PRESSURE STEAM SUPPLY
HWR	HOT WATER RETURN	LPR	LOW PRESSURE CONDENSATE RETURN
CWS	CONDENSER WATER SUPPLY	PCR	PUMPED CONDENSATE RETURN
CWR	CONDENSER WATER RETURN		

DESIGN CRITERIA

LOCATION:
(Enter project address here)

ELEVATION: X.XXX FEET

DESIGN CONDITIONS:

HEATING DB:	XX °F (ASHRAE 99.6%)
COOLING DB / WB:	XX °F / XX °F (ASHRAE 0.4%)
DEHUMIDIFICATION DP / DB:	XX °F / XX °F (ASHRAE 0.4%)

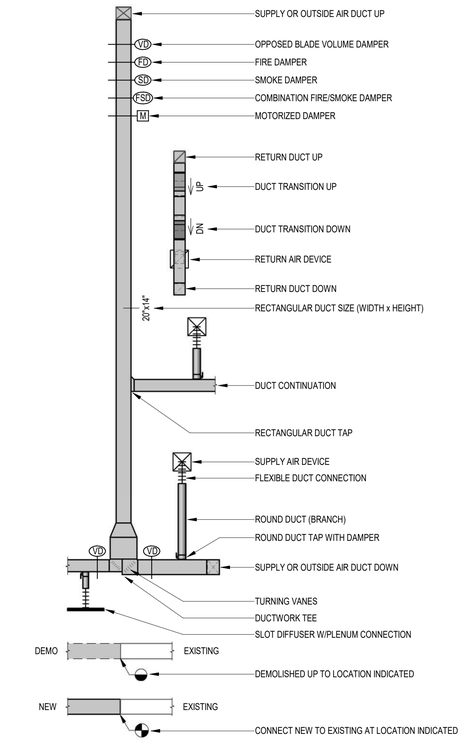
SPACE INDOOR DESIGN TEMPERATURE:

HEATING DB:	70 °F
COOLING DB:	75 °F
RELATIVE HUMIDITY	55%

BUILDING CODES & STANDARDS

APPLICABLE CODES:
20XX INTERNATIONAL BUILDING CODE
20XX INTERNATIONAL FIRE CODE
20XX INTERNATIONAL MECHANICAL CODE
20XX INTERNATIONAL PLUMBING CODE
20XX INTERNATIONAL ENERGY CONSERVATION CODE
20XX INTERNATIONAL FUEL GAS CODE
20XX NATIONAL ELECTRICAL CODE

DUCTWORK



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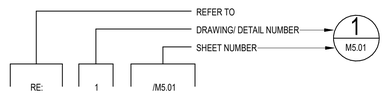

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NO.	DESCRIPTION	DATE
1	60% CD	10/14/25

MECHANICAL SYMBOL LEGEND

M0.01

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MECHANICAL GENERAL NOTES

A. MECHANICAL DRAWINGS AND SPECIFICATIONS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS THAT WILL NOT INTERFERE WITH THE ARCHITECTURAL / STRUCTURAL CONDITIONS OF THE BUILDING AND WILL FIT INTO AVAILABLE SPACES. CONTRACTOR SHALL COORDINATE ALL WORK TO CONFORM TO THE ARCHITECTURAL, STRUCTURAL, FINISH CONDITIONS, EQUIPMENT MANUFACTURER / FIXTURE CUTSHEETS AND WITH OTHER TRADES, TO AVOID OBSTRUCTIONS, AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER'S DRAWINGS AND CUTSHEETS PRIOR TO FABRICATING OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING PADS. CONTRACTOR SHALL OBTAIN ALL ARCHITECTURAL DRAWINGS AND STRUCTURAL DATA, LOCATIONS OF PIERS, BEAMS, COLUMNS, JOISTS, ETC., FROM STRUCTURAL DRAWINGS AND PROVIDE OFFSETS, RELOCATIONS, ETC., AS REQUIRED TO MEET THIS INTENT AT NO ADDITIONAL COST. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTING, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATION.

B. CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE ALL THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO ATTENTION FOR CORRECTION. SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND AT THEIR EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFORE, CAUSED BY SUCH DISCREPANCY. THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELF WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF THE CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND ACCEPTS ALL CONDITIONS.

C. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS (SUCH AS DRAWINGS AND SPECIFICATIONS), THE GREATER QUANTITY, THE BETTER QUALITY, THE LARGER SIZE, OR THE VALUE WITH THE GREATEST COST IMPACT SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING DATA: DIMENSIONS, GAUGE THICKNESS, TEMPERATURES, PRESSURE, BTUH, SCHEDULE / TIME DURATION, ELECTRICAL RATING, MATERIAL, SAFETY RATING, ENERGY EFFICIENCY, ETC.

D. CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING MECHANICAL SYSTEM.

E. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE LOCATED APPROXIMATELY IN GENERAL LOCATIONS SHOWN AND SHALL CONFORM TO ALL ARCHITECTURAL AND STRUCTURAL CONDITIONS. PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, OPENINGS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS ENSURING THAT ACCESS PANELS ARE NOT BLOCKED. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION OF ALL EQUIPMENT IN A NEAT WORKMANSHIP-LIKE MANNER. EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL. EQUIPMENT SHALL BE INSTALLED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES HAVING JURISDICTION. COORDINATE BETWEEN ALL TRADES PRIOR TO STARTING ANY WORK. PROVIDE ADEQUATE CLEARANCE FOR PROPER OPERATION, SERVICE/ MAINTENANCE, AIR FLOW, ETC. PIPING AND DUCTWORK ARE NOT PERMITTED IN ELECTRICAL, ELEVATOR MACHINE, TELECOM, IT, AND COMMUNICATION ROOMS. ALL ELEVATIONS INDICATED IN THIS WAY (8' – 4") ARE THE ELEVATIONS FROM THE FINISHED FLOOR DIRECTLY BELOW TO THE BOTTOM OF THE BARE PIPE OR DUCT.

F. EXECUTE ALL WORK FOLLOWING LOCAL, STATE AND/OR NATIONAL CODES, ORDINANCES AND REGULATIONS GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE GOVERNING CODES ARE MINIMUM REQUIREMENTS. THE DRAWINGS AND/OR SPECIFICATIONS SHALL PREVAIL WHERE THE DRAWINGS ARE/OR ACCOMPANYING SPECIFICATIONS EXCEED THE CODE REQUIREMENTS.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE MANUALS.

H. CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED HVAC DUCTWORK AND PIPING FABRICATION SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT / ENGINEER. DURING THE INSTALLATIONS OF THE WORK, THE CONTRACTOR SHALL KEEP DETAILED RECORDS OF ANY AND ALL CHANGES MADE FROM THE WORK AS ACTUALLY INSTALLED. THESE RECORD DRAWINGS SHALL BE NOTED "AS-BUILT", AND SUBMITTED TO THE ARCHITECT / ENGINEER FOR REVIEW WITH ALL O&M MANUALS.

I. PROPERLY SUPPORT ALL EQUIPMENT, DUCTWORK AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS LISTED BY UNDERWRITERS' LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.

J. CLEARANCE REQUIREMENTS BETWEEN MECHANICAL COMPONENTS AND SWITCHBOARDS, PANELBOARDS, POWER PANELS, MOTOR CONTROL CENTERS AND TRANSFORMERS SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE.

K. DUCTWORK AND PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, INSIDES CHASES / WALLS, ETC. IN GENERAL LOCATIONS SHOWN, UNLESS NOTED OTHERWISE. CONFORM TO ALL ARCHITECTURAL, STRUCTURAL, AND FINISH CONDITIONS OF THE BUILDING. WHEREVER CONDITIONS ARISE WHICH WILL CAUSE NORMALLY CONCEALED MATERIALS TO BE EXPOSED, IMMEDIATELY CALL THE SITUATION TO THE ATTENTION OF THE ARCHITECT AND STOP WORK IN THOSE AREAS UNTIL THE ARCHITECT DIRECTS THE RESUMPTION OF THE WORK AND THE PROCEDURES TO BE FOLLOWED. ALL DUCTWORK, PIPING AND ASSOCIATED ACCESSORIES IN OCCUPIED AREAS THAT ARE EXPOSED TO VIEW SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS. IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON THE PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, PROVIDE THE LARGER OF THE TWO SIZES SHOWN.

L. SLOPE AND ARRANGE HVAC PIPING TO ESTABLISH HIGH POINTS FOR AIR ELIMINATION AND LOW POINTS TO PERMIT PROPER DRAINAGE. PROVIDE AIR VENTS AT HIGH POINTS AND DRAIN VALVES AT LOW POINTS. ALL PIPING SHOWN ON FLOOR PLANS SHALL BE ROUTED ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN, UNLESS OTHERWISE NOTED. ARRANGE PIPING CONNECTIONS TO ALL EQUIPMENT TO ALLOW EASY REMOVAL OF EQUIPMENT, COILS, FANS, MOTORS, FILTERS, ACCESS PANELS, ETC. PROVIDE UNIONS, FLANGES, AND VALVES AT CONNECTIONS. ALL EXTERIOR PIPING SHALL BE INSULATED AND JACKETED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PIPING RUN-OUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS OTHERWISE NOTED. MINIMUM PIPE SIZE FOR THE PROJECT SHALL BE 3/4".

M. WALL MOUNTED THERMOSTATS / HUMIDISTATS / SENSORS SHALL BE MOUNTED AT 42" A.F.F. APPROX. WHERE INDICATED ON PLANS, UNLESS OTHERWISE NOTED. SENSOR LOCATION SHALL BE MAX 12" FROM END OF WALL AND/OR DOOR JAMB. COORDINATE EXACT LOCATIONS WITH ARCHITECT, ELECTRICAL CONTRACTOR, AND BETWEEN OTHER TRADES PRIOR TO MOUNTING. DO NOT MOUNT ABOVE DIMMERS. THERMOSTATS ON EXTERIOR WALLS OR WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACE SHALL BE INSULATED. THERMOSTATS / HUMIDISTATS / SENSORS SHALL NOT BE INSTALLED ON DECORATIVE WALLS.

R. HVAC SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL BALANCING AND REGULATING DEVICES NECESSARY FOR THE TAB CONTRACTOR TO PERFORM THEIR WORK. COORDINATE WITH THE TAB CONTRACTOR TO DETERMINE THEIR EXACT REQUIREMENTS. ALL HVAC SYSTEMS SHALL BE STARTED PER MANUFACTURER'S START-UP INSTRUCTIONS. REPLACE FILTERS, BELTS, SHEAVES, DAMPERS, VALVES, STARTERS AND HEATERS AS NECESSARY PRIOR TO TAB.

S. CONTRACTOR SHALL PROVIDE ALL TESTING, ADJUSTING, AND BALANCING WORK TO INCLUDE, BUT NOT LIMITED TO, ADJUSTMENT OF DAMPERS, BALANCE AIR DEVICES, VERIFY CORRECT SETPOINT AND CALIBRATION OF THERMOSTATS, VERIFY ALL SEQUENCE OF OPERATION, STAGING OF COOLING/ HEATING AS APPLICABLE, BALANCE OF CONDENSER AND HEATING WATER SYSTEMS, PUMPS, BOILERS, COOLING TOWERS, NOTE DEFICIENCIES IN MECHANICAL SYSTEM, ETC. FOR A CORRECTLY OPERATING MECHANICAL SYSTEM. CONTRACTOR SHALL REPLACE ALL FILTERS AND CLEAN ALL STRAINERS. TESTING AND BALANCING SUBCONTRACTOR MUST BE A MEMBER IN GOOD STANDING OF AABC AND SUBMIT REPORT ON AABC OR SMACNA FORMS FOR APPROVAL BY THE ENGINEER. PROVIDE A TEST AND BALANCE REPORT TO THE MECHANICAL INSPECTOR AT TIME OF HEATING FINAL INSPECTION. TAB CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO LOCATE DP SENSORS IN PIPING FOR PUMPING SYSTEMS AND STATIC PRESSURE SENSORS IN DUCTWORK FOR FAN SYSTEMS.

T. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS. CONTRACTOR SHALL ENSURE THE FURNISHING AND INSTALLATION OF ALL BRANCH ELECTRICAL CIRCUIT WIRING, CONDUITS, PROTECTIVE DEVICES, DISCONNECTS, AND ACCESSORIES FOR ALL ELECTRICAL CONTROL POWER WIRING TO INCLUDE, BUT NOT LIMITED TO, CONTROL PANELS, ACTUATORS, SMOKE DETECTORS, CONTROL / MOTORIZED DAMPER, PRESSURE MONITORS, FIRE/SMOKE DAMPERS, VARIABLE FREQUENCY DRIVES, VAV TERMINALS (24V TRANSFORMER) AND ALL OTHER 120V CONTROLS AS REQUIRED FOR A COMPLETE CONTROL SYSTEM WHETHER SHOWN TO BE PERFORMED BY OTHER OR NOT. ALL ELECTRICAL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH REQUIREMENTS OF ELECTRICAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE.

U. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND SIZE OF LOUVERS. BLANK OFF AREA OF LOUVER NOT USED FOR INTAKE OR EXHAUST. LOUVERS SHALL BE DRAINABALE STATIONARY TYPE AND SHALL BE AMCA 500-L CERTIFIED. LOUVERS LOCATED IN HURRICANE-PRONE REGIONS SHALL BE AMCA 550 CERTIFIED. LOUVERS LOCATED IN WIND-BOURNE DEBRIS REGIONS WITHIN 30 FEET OF GRADE SHALL BE AMCA 540 CERTIFIED.

V. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FINISHES AND FURNISHINGS FROM DAMAGE DURING WORK.

W. ALL PIPES AND OTHER EQUIPMENT SHALL BE PROPERLY SUPPORTED BY GALVANIZED OR CADMIUM PLATED ANCHOR BOLTS, ALL THREAD RODS AND WASHERS, LOCK WASHERS OR DOUBLE NUTS, AND BOLTS.

X. INSTALLING CONTRACTOR SHALL STRICTLY ADHERE TO ANCHOR BOLT MANUFACTURER'S INSTALLATION RECOMMENDATIONS REGARDING PULL-OUT LOADS, ANCHOR DIAMETER AND DEPTH OF ANCHOR INSERTION FOR DRILLING THE ANCHOR POINT IN CONCRETE.

Y. SUBMIT SUPPORT LOCATIONS AND LOADS OF PIPES GREATER THAN 6" DIAMETER TO STRUCTURAL ENGINEER FOR REVIEW.

Z. POST-INSTALLED ANCHOR BOLTS ARE NOT PERMITTED TO BE INSTALLED IN THE SOFFIT OF BEAMS OR JOISTS.

AA. POST-INSTALLED ANCHOR BOLTS INSTALLED ON THE SIDE OF BEAMS OR JOISTS SHALL BE LOCATED A MINIMUM OF 5" FROM BOTTOM OF THE BEAM OR JOIST.

BB. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0" O.C. COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPING SUPPORT SPECIFICATIONS.

CC. ALL PIPING LOCATED INSIDE BUILDING SHALL BE SUPPORTED FROM THE STRUCTURE WITH SADDLE OR TRAPEZE HANGERS WITH ADJUSTABLE CLEVIS OR THREADED RODS.

DD. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.

EE. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR ALL CONDENSATE DRAIN PIPES CONNECTING TO A LAVATORY / SINK DRAIN TAIL PIECE.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | Author
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MECHANICAL GENERAL NOTES

M0.11

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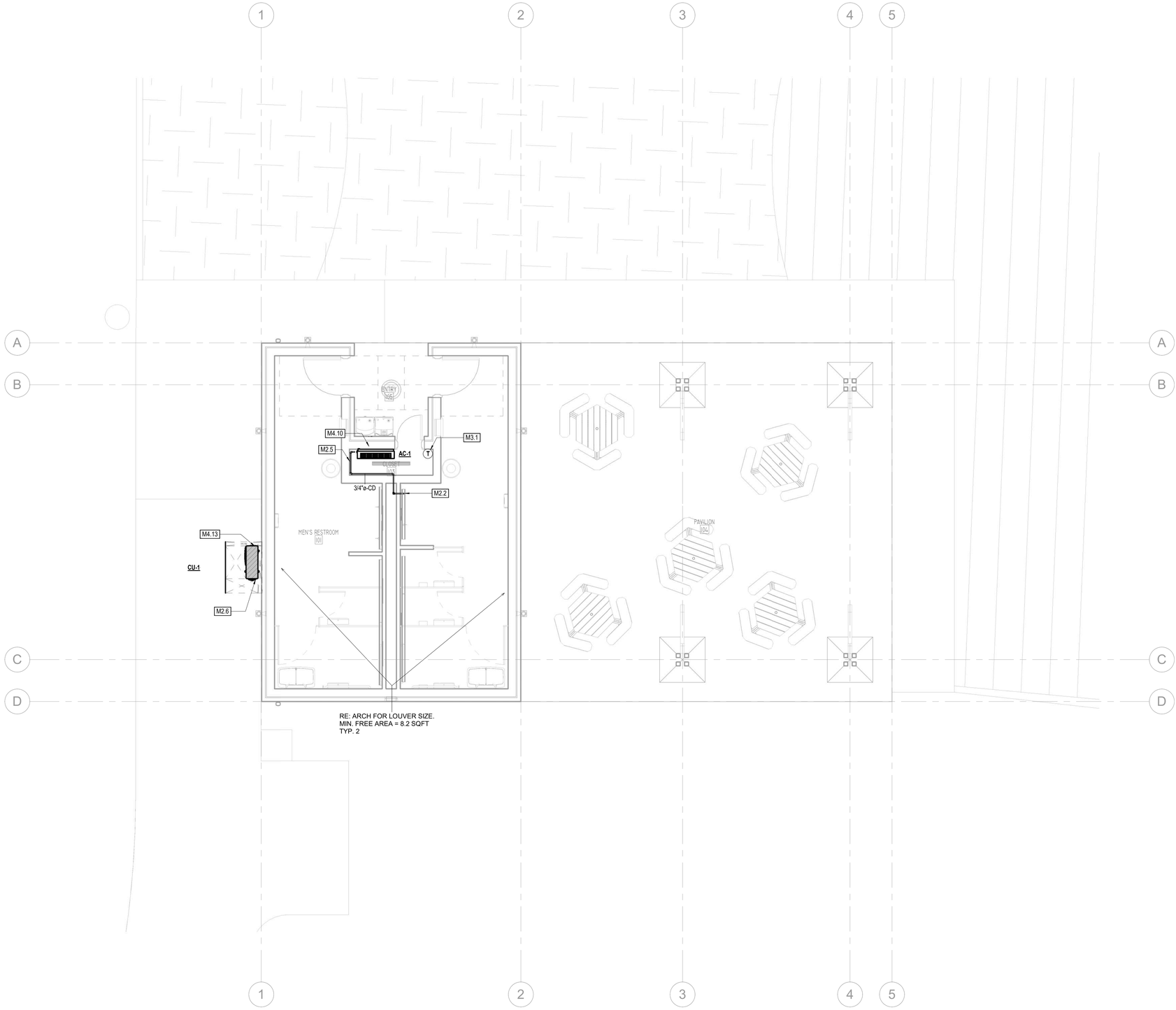

1 MECHANICAL PLAN LEVEL 1

1/4" = 1'-0"

MECHANICAL KEYED NOTES

M2.2 ROUTE 3/4" CONDENSATE DRAIN LINE FROM FAN COIL UNIT TO PLUMBING TAILPIECE LOCATED BELOW LAVATORY. COORDINATE EXACT CONNECTION LOCATION WITH PLUMBING.

M2.5 ROUTE REFRIGERANT PIPING FROM WALL MOUNTED DUCTLESS FAN COIL UNIT TO ASSOCIATED AIR COOLED CONDENSING UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD COORDINATE EXACT ROUTING. RE: DETAIL 03/M5.01.

M2.6 ROUTE REFRIGERANT PIPING FROM AIR COOLED CONDENSING UNIT DOWN THROUGH ROOF TO INDOOR FAN COIL UNIT. REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS. FIELD VERIFY EXACT PIPING ROUTING. RE: DETAIL 03/M5.01.

M3.1 PROVIDE THERMOSTAT AT APPROXIMATE LOCATION SHOWN. THERMOSTAT SHALL BE INSTALLED AT SAME ELEVATION AS LIGHT SWITCHES. COORDINATE FINAL LOCATION WITH ARCHITECT AND OTHER TRADES TO AVOID CONFLICTS.

M4.10 PROVIDE WALL MOUNTED DUCTLESS FAN COIL UNIT AT APPROXIMATE LOCATION SHOWN. INSTALL UNIT AS HIGH AS POSSIBLE ON WALL.

M4.13 PROVIDE GROUND MOUNTED AIR COOLED CONDENSING UNIT AT APPROXIMATE LOCATION SHOWN. PROVIDE 6" HOUSEKEEPING PAD. PROVIDE ALL CLEARANCES AROUND CONDENSER AS REQUIRED BY EQUIPMENT MANUFACTURER. RE: DETAIL 01/5.01.

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MECHANICAL ENLARGED PLAN

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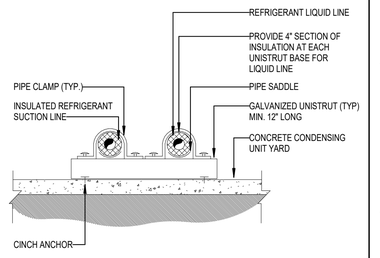
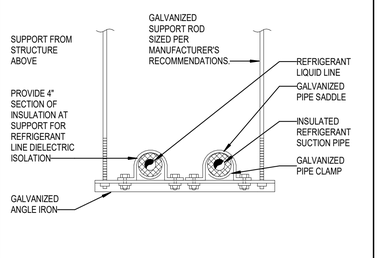


NOTE: PROVIDE SUPPORTS AT 3'-0" ON CENTER AND WITHIN 1'-0" OF ALL CHANGES IN PIPE DIRECTION.

"NOT TO SCALE"

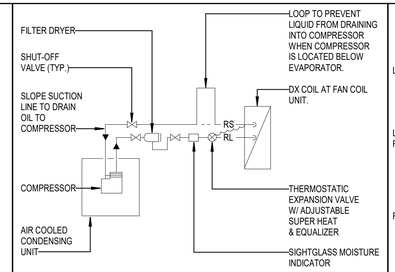
5 FLOOR MOUNTED REFRIGERANT PIPE M1702



NOTE: PROVIDE SUPPORTS AT 3'-0" ON CENTER MAX. AND WITHIN 1'-0" OF ALL CHANGES IN PIPE DIRECTION.

"NOT TO SCALE"

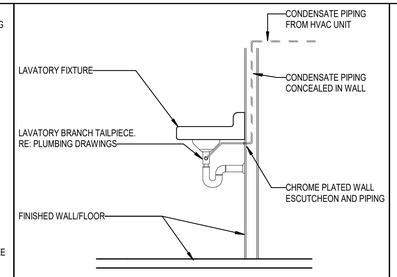
4 REFRIGERANT PIPE HANGER M1702A



NOTE:
1. COMPLY WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
2. TYPICAL FOR EACH SEPARATE REFRIGERANT CIRCUIT.
3. PROVIDE FILTER DRYER ON ALL SYSTEMS.
4. USE "ACR" HARD DRAWN COPPER REFRIGERANT PIPE.

"NOT TO SCALE"

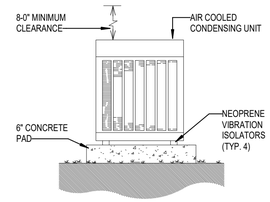
3 REFRIGERANT PIPING SCHEMATIC M1705



NOTE:
MECHANICAL CONTRACTOR SHALL COORDINATE WITH GC AND PLUMBING CONTRACTOR FOR ACTUAL LOCATIONS AND QUANTITY OF SINKS OR LAVATORIES THAT WILL RECIEVE CONDENSATE.

"NOT TO SCALE"

2 CONDENSATION TERMINATION P7706



NOTE:
PROVIDE CLEARANCE AROUND UNIT FOR AIR FLOW AND SERVICE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

"NOT TO SCALE"

1 CONDENSING UNIT MOUNTING ON GRADE M1204

DUCTLESS SPLIT SYSTEM SCHEDULE

OUTDOOR UNIT MARK	**CU-01**
SERVES	AC-01
GRAND TOTAL COOLING (BTUH)	12,000
AMBIENT TEMP. (°F)	105
STEPS OF CAPACITY	1
VOLTS/PHASE/HERTZ	208/1/60
SEER2	23
MCA	13.9
MOCP	20
REFRIGERANT TYPE	R32
MODEL NUMBER	PAS-12BUFASDQ1
UNIT WEIGHT (LBS)	98.8
INDOOR UNIT MARK	**AC-01**
SERVES	IT ROOM
UNIT TYPE	WALL MOUNTED
COOLING CAPACITY (BTUH)	12,000
VOLTS/PHASE/HERTZ	208/1/60
SUPPLY AIR CFM	580 / 545 / 475 / 410
MANUFACTURER	DAIKIN
MODEL NUMBER	PPK-B12UFA1DQ
UNIT WEIGHT (LBS)	30.9
NOTES	ALL

NOTES:
1. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THRU FIELD SUPPLIED...
2. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. REFRIGERANT LINES TO BE SIZED BY MANUFACTURER.
4. PROVIDE UNIT WITH MANUFACTURER THERMOSTAT.

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MECHANICAL SCHEDULES & DETAILS

M5.01

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(NOT ALL ITEMS MAY APPLY TO THIS PROJECT)

ABBREVIATIONS

A

A	AIR (COMPRESSED)
AAV	AIR ADMITTANCE VALVE
AC	AIR COMPRESSOR
AD	AIR DRYER
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING
AP	ACCESS PANEL
ARCH	ARCHITECT, ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUX	AUXILIARY
AV	ACID VENT
AVTR	ACID VENT THROUGH ROOF
AW	ACID WASTE

B

B	BOILER
BF	BOTTLE FILLER
BFF	BELOW FINISH FLOOR
BFG	BELOW FINISHED GRADE
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BOF	BOTTOM OF FOOTING
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BRF	BELOW RAISED FLOOR
BT	BATH TUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

C	CELSIUS
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CI	CAST IRON
CIRC	CIRCULATING
CISPI	CAST IRON SOIL PIPE INSTITUTE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CMU	CONCRETE MASONRY UNIT
CL	CENTERLINE
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE, CONCENTRIC
CONN	CONNECTION
CP	CIRCULATING PUMP, CHROME PLATE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CW	COLD WATER
CWP	COLD WORKING PRESSURE

D

DBP	DOMESTIC BOOSTER PUMP
DC	DOWNSPOUT COVER
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DI	DEIONIZED
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN, DOWNSPOUT NOZZLE
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
DWV	DRAINAGE WASTE AND VENT

E

ECC	ECCENTRIC
EDF	ELECTRIC DRINKING FOUNTAIN
EEW	EMERGENCY EYEWASH
EL	ELEVATION
ES	EMERGENCY SHOWER
ESP	ELEVATOR SUMP PUMP
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER

F

F	FARENHEIT, FIRE
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCV	FLOOR CONTROL VALVE
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FEC	FIRE EXSTINGUISHER CABINET
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHV	FIRE HOSE VALVE
FIXT	FIXTURE
FOG	FATS, OILS, AND GREASE
FLR	FLOOR
FP	FIRE PUMP
FS	FLOW SWITCH, FIRE SPRINKLER FLOOR SINK
FT	FOOT, FEET
FW	FORCE WASTE, FILTER WATER

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GCO	GRADE CLEANOUT
GD	GARBAGE DISPOSAL
GI	GREASE INTERCEPTOR
GL	GLOBE VALVE
GPD	GALLONS PER DAY
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GV	GATE VALVE, GREASE VENT
GW	GREASE WASTE
GWH	GAS WATER HEATER

H

HB	HOSE BIBB
HC	HANDICAPPED
HD	HEAD, HUB DRAIN
HKP	HOUSEKEEPING PAD
HP	HORSEPOWER
HR	HOSE REEL
HSC	HORIZONTAL SPLIT CASE
HT	HEIGHT
HTR	HEATER
HW	HOT WATER
HWR	HOT WATER RETURN
HZ	HERTZ

I

IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCH
INSUL	INSULATION
IPC	INTERNATIONAL PLUMBING CODE
IPS	IRON PIPE SIZE
IW	INDIRECT WASTE
IWH	INSTANTANEOUS WATER HEATER
IWR	INDIRECT WASTE RECEPTOR

J

JP	JOCKEY PUMP

K

KEC	KITCHEN EQUIPMENT CONTRACTOR
KVA	KILOVOLT- AMPS
KW	KILOWATT

L

L	LAVATORY, LENGTH
LAV	LAVATORY
LF	LINEAR FEET
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LT	LINT, LINT TRAP
LVL	LEVEL

M

MAX	MAXIMUM
MBTUH	THOUSAND OF BTU'S PER HOUR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MS	MOP SINK
MSB	MOP SERVICE BASIN
MTD	MOUNTED

N

N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OS&Y	OUTSIDE STEM AND YOKE
OZ	OUNCES

P

PD	PRESSURE DROP, PRESSURE DIFFERENTIAL
PDI	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
POU	POINT-OF-USE
PP	POLYPROPYLENE
PPM	PARTS PER MILLION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
PVDF	POLYVINYLIDENE FLUORIDE

Q

QTY	QUANTITY

R

RCP	REFLECTED CEILING PLAN, REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE,REFER
RECIRC	RECIRCULATE
REFG	REFRIGERATOR
RH	ROOF HYDRANT
RM	ROOM
RO	REVERSE OSMOSIS
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE (BACKFLOW PREVENTER)
RTU	ROOFTOP UNIT
RV	RELIEF VALVE

S

SAN	SANITARY DRAINAGE
SCH	SCHEDULE
SD	STORM DRAIN
SDR	STANDARD DIMENSIONAL RATIO
SECT	SECTION
SF	SQUARE FEET
SH	SHOWER
SI	SOLIDS INTERCEPTOR
SIM	SIMILAR
SK	SINK
SOS	SAND OIL SEPARATOR
SOV	SHUT-OFF VALVE
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPKR	SPRINKLER
SQ	SQUARE
SS	SERVICE SINK, SANITARY SEWER, STAINLESS STEEL
SSD	SUBSURFACE DRAIN
STD	STANDARD
STL	STEEL
STR	STRAINER
SV	SANITARY VENT
SW	SOFT WATER

T

TCO	TRAFFIC CLEANOUT
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TDL	TOTAL DEVELOPED LENGTH
TLT	TOILET
TMV	THERMOSTATIC MIXING VALVE
TOB	TOP OF BEAM
TOF	TOP OF FOOTER
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TS	TAMPER SWITCH
TW	TEMPERED WATER
TYP	TYPICAL

U

U	URINAL
UF	UNDERFLOOR
UG	UNDERGROUND
UH	UNIT HEATER
UL	UL SOLUTIONS
UNO	UNLESS NOTED OTHERWISE
UPC	UNIFORM PLUMBING CODE

V

V	VOLT, VENT
VAC	VACUUM
VB	VALVE BOX, VACUUM BREAKER
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VS	VENT STACK
VTR	VENT THRU ROOF

W

W	WATT, WASTE, WIDTH, WASHING MACHINE
W/	WITH
W/O	WITHOUT
WB	WALL BOX
WC	WATER CLOSET, WATER COLUMN
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WM	WATER METER
WMB	WASHING MACHINE BOX
WOG	WATER OIL AND GAS
WP	WEATHERPROOF
WS	WATER SOFTENER, WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNIT
WT	WATERTIGHT, WEIGHT

Y

YCO	YARD CLEANOUT
YH	YARD HYDRANT

Z

Z	ZONE
ZV	ZONE VALVE

SYMBOLS

PLUMBING SYSTEMS

AV	ACID VENT
AV(E)	EXISTING ACID VENT PIPING - AV(E)
AW	ACID WASTE, BURIED
AW(E)	EXISTING ACID WASTE PIPING, BURIED- AW(E)
AW	ACID WASTE, NOT BURIED
AW(E)	EXISTING ACID WASTE PIPING, NOT BURIED - AW(E)
-	COLD WATER - CW
CW(E)	EXISTING DOMESTIC COLD WATER - CW(E)
A	COMPRESSED AIR
D	DRAIN LINE
F	FIRE STANDPIPE, FIRE LINE
FW	FORCE WASTE
GW	GREASE WASTE, BURIED
GW	GREASE WASTE, NOT BURIED
- -	HOT WATER - HW
HW(E)	EXISTING DOMESTIC HOT WATER - HW(E)
- - -	HOT WATER RECIRCULATION
HWR(E)	EXISTING DOMESTIC HOT WATER RETURN - HWR(E)
LT	LINT WASTE
LP	LIQUIFIED PETROLEUM GAS
G (4oz)	NATURAL GAS (LOW PRESSURE)
G (2 PSI)	NATURAL GAS (MEDIUM PRESSURE)
G (5 PSI)	NATURAL GAS (HIGH PRESSURE)
N	NITROGEN
NP-CW	NON-POTABLE - COLD WATER
OD	OVERFLOW DRAIN, NOT BURIED
	PIPE, TO BE DEMOLISHED
	SANITARY DRAIN, BURIED
S(E)	EXISTING SANITARY DRAIN, BURIED - S(E)
	SANITARY DRAIN, NOT BURIED
S(E)	EXISTING SANITARY DRAIN PIPING, NOT BURIED - S(E)
SW	SOFT WATER
SD	STORM DRAIN, BURIED
SD	STORM DRAIN, NOT BURIED
TW	TEMPERED WATER
TP	TRAP PRIMER
	VENT
(E)	EXISTING VENT
FS	WET AUTOMATIC FIRE SPRINKLER

PIPING FITTINGS

- CAP ON END OF PIPE
- PIPE UP OR PIPE UP AND DOWN
- PIPE DOWN
- VALVE IN DROP
- VALVE IN RISE
- DIRECTION OF FLOW
- DIRECTION OF SLOPE DOWN
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- TEE UP
- TEE DOWN
- UNION
- FLANGE
- STRAINER WITH BLOWDOWN VALVE
- GATE VALVE
- GLOBE VALVE
- BALL VALVE
- BALANCING VALVE WITH DIFFERENTIAL PRESSURE TAPS
- OS&Y VALVE
- CHECK VALVE
- BUTTERFLY VALVE
- TWO-WAY MODULATING CONTROL VALVE
- THREE-WAY MODULATING CONTROL VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS REGULATOR
- GAS VALVE
- SPRINKLER FLOOR CONTROL VALVE STATION
- MANUAL AIR VENT
- AUTOMATIC AIR VENT
- T&P RELIEF VALVE
- LINE CLEANOUT/ WALL CLEANOUT
- FLOOR CLEANOUT
- GRADE CLEANOUT
- PRESSURE GAUGE WITH GAUGE COCK
- THERMOMETER
- FLOW VENTURI
- VACUUM BREAKER
- VACUUM RELIEF VALVE
- BACKFLOW PREVENTER
- CIRCULATING PUMP
- WATER METER/SUB-METER

MISCELLANEOUS

- DRAIN(TYPE AND SIZE AS NOTED ON PLANS)
- ROOF DRAIN OR OVERFLOW DRAIN
- ROOF DRAIN OR OVERFLOW DRAIN(FROM ABOVE)
- HOSE BIBB
- WALL HYDRANT
- PLUMBING FIXTURE
- EXISTING PLUMBING FIXTURE
- POINT OF NEW CONNECTION TO EXISTING PIPING
- LIMIT OF DEMOLITION
- P.X.X — PLUMBING DRAWING NOTE REFERENCE
- 2 / P2.1 — DETAIL NUMBER OR PLAN / SHEET WHERE DETAIL OR PLAN IS SHOWN
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- ACCESS PANEL (AP)
- FIRE DEPARTMENT CONNECTION(WALL MOUNTED)
- FIRE DEPARTMENT CONNECTION(FREE STANDING)
- 2 / P7.1 — PLUMBING RISER DIAGRAM NUMBER / SHEET WHERE PLUMBING RISER DIAGRAM IS SHOWN

PLUMBING CODES

2015 INTERNATIONAL PLUMBING CPDE

TRUE

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DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

PLUMBING SYMBOL LEGEND

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FIXTURES NOTES

1. DO NOT ROUGH-IN UNDERGROUND PIPING OR ANY OTHER CONNECTIONS FOR FIXTURES FROM THE PLUMBING DRAWINGS. REFER TO LATEST ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONED LOCATIONS. COORDINATE ALL FIXTURE AND EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH THE LATEST ARCHITECTURAL DRAWINGS, SPECIFICATIONS, AND MANUFACTURER RECOMMENDATIONS PRIOR TO ANY ROUGH-INS.
2. CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS AND DIMENSIONS OF FINISHED FLOORS AND WALLS, TRUE ALL DRAINS, ROUGH-INS AND CARRIERS IN ACCORDANCE WITH THE PROPOSED ELEVATIONS AND FINISHED SURFACES.
3. THE MOUNTING HEIGHT ELEVATION OF ALL WALL HUNG AND COUNTER MOUNTED FIXTURES SHALL BE COORDINATED WITH THE LATEST ARCHITECTURAL DRAWINGS PRIOR TO ANY ROUGH-IN WORK.
4. PROVIDE LABOR AND MATERIALS AS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL PLUMBING FIXTURES, EQUIPMENT, AND RELATED ITEMS FURNISHED UNDER SEPARATE DIVISIONS. INSTALL ASSOCIATED TRIM AND COMPONENT ACCESSORIES FURNISHED UNDER SEPARATE DIVISIONS.
5. CONTRACTOR SHALL REFER TO SHOP DRAWINGS OF ACTUAL EQUIPMENT TO BE SUPPLIED FOR THE FINAL COORDINATION OF ALL ROUGH-INS BEFORE BEGINNING WORK.
6. ALL FIXTURE AND EQUIPMENT STUB-OUTS SHALL BE PROVIDED WITH A STOP VALVE. UNLESS SPECIFIED OTHERWISE, ALL FIXTURE STOPS SHALL BE SOLID BRASS, LOOSE KEY OPERATED, CHROME PLATED, AND FITTED TIGHT TO CHROME PLATED BRASS WALL ESCUTCHEON PLATES COMPLETE WITH SUPPLY RISERS OF TYPE 'L' TUBING, CHROME PLATED. MCGUIRE MANUFACTURING OR PRE-APPROVED EQUAL.
7. ALL EXPOSED FIXTURE P-TRAPS WITHIN THE BUILDING AND ABOVE FLOOR SHALL BE CHROME PLATED ADJUSTABLE. HEAVY CAST BRASS WITH CLEANOUT PLUG, SLIP NUTS, AND 17 GAUGE SEAMLESS TUBULAR BRASS DRAIN TO WALL WITH WALL FLANGE. MCGUIRE MANUFACTURING OR PRE-APPROVED EQUAL.
8. EACH FIXTURE TRAP SHALL HAVE A LIQUID SEAL OF NOT LESS THAN 2 INCHES AND NOT MORE THAN 4 INCHES, EXCEPT WHERE A DEEPER SEAL IS FOUND NECESSARY BY THE AUTHORITY HAVING JURISDICTION.
9. ALL ROUGH IN OPENINGS SHALL BE FITTED WITH CHROME PLATED SOLID RING TYPE ESCUTCHEON PLATES FITTED TIGHT TO THE PIPE AND FLUSH TO THE WALL.
10. ALL EXPOSED TAILPIECES, P-TRAPS, TRAP ARMS, ASSOCIATED HARDWARE AND ESCUTCHEONS SHALL BE CHROME PLATED.
11. ALL FIXTURES INDICATED AS OR REQUIRED TO BE HANDICAPPED ACCESSIBLE ("ADA" OR "TAS") SHALL BE PROVIDED IN APPROVED TYPES, WITH REQUIRED CONTROLS AND PROVIDED WITH THE REQUIRED HEIGHTS AND CLEARANCES. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONED MOUNTING HEIGHTS AND SPECIFIED CLEARANCE REQUIREMENTS.
12. ALL EXPOSED LAVATORY AND SINK PIPING FOR ACCESSIBLE FIXTURES SHALL BE INSULATED WITH APPROVED, MANUFACTURED MOLDED VINYL COVERS BY TRUEBRO OR APPROVED EQUAL. PROVIDE OFFSET DRAIN FITTINGS WHERE REQUIRED TO ENSURE REQUIRED MINIMUM CLEARANCES.
13. ALL ACCESSIBLE SINKS SHALL BE PROVIDED WITH DRAIN OUTLETS LOCATED ACCORDINGLY TOWARD THE REAR OF BASIN.
14. ENSURE TO ORIENT ALL ACCESSIBLE WATER CLOSET FLUSH OPERATORS ON THE "WIDE" SIDE OF THE FIXTURE ENCLOSURE.
15. SEAL ALL SPACES BETWEEN PLUMBING FIXTURES AND MOUNTING SURFACES WITH WHITE SILICONE CAULK WIPED SMOOTH AND FLUSH WITH FIXTURE.
16. FLOOR DRAINS SHALL BE INSTALLED AT LOW POINTS OF SLOPED FLOORS. CONTRACTOR SHALL FIELD COORDINATE WITH STRUCTURAL TO WITH INTENDED ARCHITECTURAL FLOOR FINISHES TO ENSURE THAT DRAINS ARE LOCATED ACCORDINGLY.
17. PROVIDE A COMPATIBLE WATER FILTER AT EACH ICE MAKING MACHINE.
18. ALL SINKS AND URINALS SHALL BE PROVIDED WITH WALL CLEANOUTS.
19. SHOCK ARRESTORS SHALL CONFORM WITH THE REQUIREMENTS OF ASSE 1010 AND SHALL BE SIZED AND LOCATED PER THE PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. PROVIDE ACCESS PANELS SIZED ACCORDINGLY TO ENSURE MAINTENANCE AND REPLACEMENT ACCESS TO ALL SHOCK ARRESTORS. FINAL LOCATIONS AND SIZES OF REQUIRED ACCESS PANELS SHALL BE REVIEWED FOR APPROVAL BY THE ARCHITECT PRIOR TO INSTALLATION.

ROOF PLAN NOTES

1. ALL PRIMARY AND OVERFLOW ROOF DRAIN AND STORM PIPE SIZING IS BASED ON A RAINFALL RATE OF EIGHT (8) INCHES PER HOUR.
2. UNLESS NOTED OTHERWISE, THE ROOF EDGE IS TO PROVIDE A MEANS OF RAINWATER OVERFLOW IN AREAS WHERE NO OVERFLOW DRAINS ARE INDICATED.
3. UNLESS NOTED OTHERWISE, ROOF AREAS WITH NO ROOF DRAINS SHOWN ARE TO SHEET FLOW TO AND DRAIN VIA THE BUILDING EDGE. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION AND FOR ANY DETAILS REGARDING GUTTERS AND/OR DOWNSPOUTS.
4. IF VENT TERMINAL LOCATIONS ARE NOT SHOWN ON THIS DRAWING, REFER TO INDIVIDUAL FLOOR PLANS AND COORDINATE ACCORDINGLY.
5. ALL VENT TERMINALS SHALL BE LOCATED NO LESS THAN FIFTEEN (15) FEET AWAY FROM ANY OPENABLE WINDOW, DOOR, OPENING, OUTSIDE AIR INTAKE, OR SUPPLY AIR FAN. IF LOCAL CODE OR FACILITY LICENSING REQUIREMENTS CALL FOR GREATER SEPARATION, THE MOST STRINGENT REQUIREMENT SHALL GOVERN.
6. PROVIDE ENGINEERED SUPPORTS FOR ALL ROOFTOP GAS PIPING. PROVIDE NECESSARY OFFSETS AND SUPPORTS TO ENSURE THAT NO PIPING RESTS DIRECTLY UPON COPING OR BUILDING EXPANSION JOINTS. PROVIDE SUPPORTS TO SECURELY FASTEN OUTDOOR VERTICAL PIPING TO FACES OF EXTERIOR WALLS. COORDINATE IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED TO PREVENT VISIBILITY OF SUCH PIPING FROM ANY ADJACENT WINDOWS OR OTHER GLAZING.
7. PROVIDE BENDS, LOOPS, AND/OR OFFSETS FOR THERMAL EXPANSION AND CONTRACTION OF ROOFTOP GAS PIPING IN ACCORDANCE WITH NFPA 54.
8. ALL VERTICAL STORM CONDUCTORS WITHIN THE BUILDING SHALL BE LOCATED AND ROUTED CONCEALED FROM PUBLIC VIEW WITHIN CHASES/FURR-OUTS PROVIDED. REFER TO LATEST ARCHITECTURAL DRAWINGS. COORDINATE IN FIELD AND MAKE ADJUSTMENTS AS REQUIRED.

SITE UTILITY NOTES

1. REFER TO CIVIL DRAWINGS FOR CONTINUATION OF DOMESTIC WATER, STORM, AND SANITARY WASTE UTILITIES.
2. REFER TO CIVIL DRAWINGS FOR LOCATION(S) OF WATER METER(S).
3. REFER TO CIVIL DRAWINGS FOR BUILDING FINISHED FLOOR ELEVATION(S).
4. ALL INVERT ELEVATIONS INDICATED ARE RELATIVE TO THE FINISHED FLOOR ELEVATION OF THE BUILDING SLAB AT THEIR RESPECTIVE LOCATIONS, UNLESS SPECIFICALLY NOTED OTHERWISE.
5. INVERT ELEVATIONS LISTED ARE APPROXIMATE. PRIOR TO CONSTRUCTION, COORDINATE FINAL INVERT ELEVATIONS OF GRAVITY OUTFALLS WITH SITE UTILITY CONTRACTOR. MAKE ADJUSTMENTS AS REQUIRED TO ENSURE PROPER CONNECTIONS TO AVAILABLE SITE UTILITIES.
6. ROLL-DOWN AS NECESSARY AND PROVIDE PIPE, FITTINGS, AND ADAPTERS AS REQUIRED TO MAKE PROPER CONNECTIONS TO SITE UTILITY LINES.
7. PROVIDE SCHEDULE 40 SOLID WALL PVC SLEEVES FOR ALL INCOMING GAS SERVICE PIPING TO BE ROUTED BELOW CONCRETE, ASPHALT, OR PAVING. SLEEVES SHALL BE NO SMALLER THAN TWO TIMES THE DIAMETER OF THE GAS PIPING TO BE SERVED. PROVIDE 4'-0" X 4'-0" TEMPORARY LEAVE-OUTS IN THE PAVING AT ALL CHANGES IN DIRECTION ALONG THE ROUTE OF THE SLEEVING. ENSURE ALL SLEEVES ARE MAINTAINED FREE FROM DIRT AND DEBRIS, CAPPED AT BOTH ENDS, AND CLEARLY LABELED. FILL LEAVE-OUTS TO MATCH FINISHED CONDITIONS. THESE GENERAL GUIDELINES SHALL NOT SUPERCEDE THE LOCAL GAS PROVIDER'S REQUIREMENTS, WHICH SHALL GOVERN THE INSTALLATION OF ALL SLEEVING.
8. FIELD COORDINATE/CONFIRM THE ROUTING AND INSTALLATION OF GAS SERVICE PIPING WITH THE LOCAL UTILITY PROVIDER PRIOR TO ANY SITE PAVING WORK. MAKE ADJUSTMENTS AS REQUIRED.

GENERAL WORK NOTES

1. ALL WORK, METHODS, AND INSTALLATIONS INVOLVED IN THE PLUMBING DESIGN SHALL BE IN ACCORDANCE WITH THE PREVAILING CODE AND INSPECTION REGULATIONS AND ALL OTHER OFFICIALS HAVING JURISDICTION.
2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, ELEVATIONS, DIRECTION OF FLOW, PIPE SIZES & CAPACITIES, AND PIPE MATERIAL & CONDITION AT PROPOSED POINTS OF CONNECTION WITH EXISTING BUILDING PLUMBING LINES AND SITE CIVIL LINES PRIOR TO INSTALLATION OF ANY NEW WORK. MODIFY/REPLACE EXISTING PIPING IF AND AS REQUIRED TO ENSURE PROPER CONNECTIONS. ONLY CONNECT NEW LINES TO SUITABLE EXISTING LINES OF EQUAL OR GREATER SIZE.
3. COORDINATE ROUTING OF BURIED PIPING WITH COLUMN FOOTINGS, GRADE BEAMS, UNDERGROUND UTILITIES, AND ALL OTHER SUB-SURFACE BUILDING ELEMENTS. MAKE ADJUSTMENTS AS REQUIRED AND ADVISE ARCHITECT/ENGINEER OF ANY GRADING CONFLICTS PRIOR TO COMMENCING INSTALLATION.
4. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL CONDITIONS AND PROVIDE PROPER PIPING INSTALLATIONS AS REQUIRED WITHOUT DAMAGE TO STRUCTURE. WHERE STRUCTURAL MODIFICATIONS WILL BE REQUIRED, THE CONTRACTOR SHALL FIRST RECEIVE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER AND PROVIDE ALL SUCH WORK ACCORDINGLY.
5. COORDINATE IN FIELD TO ENSURE NO LESS THAN 6 INCHES OF EARTHEN COVER FROM TOPS OF DRAINAGE PIPES TO BOTTOMS OF GRADE BEAMS, FOUNDATION WALLS, OR SIMILAR ELEMENTS. WHERE SUCH COVER CANNOT BE PROVIDED DUE TO INVERT ELEVATIONS, PROVIDE SCHEDULE 40 GALVANIZED STEEL PIPE SLEEVES THROUGH THE FOUNDATION ELEMENTS. SLEEVES SHALL BE NO SMALLER THAN TWO PIPE SIZES LARGER THAN THE PIPE SERVED. SEAL WATERTIGHT. COORDINATE WITH AND ADHERE TO ALL RELATED REQUIREMENTS PER THE STRUCTURAL ENGINEER.
6. CONTRACTOR SHALL FIELD COORDINATE LOCATIONS AND ELEVATIONS OF ALL PLUMBING PIPING WITH OTHER TRADES PRIOR TO INSTALLATION. WHERE RELOCATIONS OF NEW WORK ARE REQUIRED TO CORRECT CONFLICTS WITH OTHER TRADES IT SHALL BE DONE AT NO ADDITIONAL COST TO OWNER.
7. ALL PIPE PASSING THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SUPPORTED AT THE PENETRATION AND SHALL BE SEALED WITH APPROVED FIRE STOP MATERIALS AS SPECIFIED AND AS REQUIRED BY CODE AND THE AUTHORITIES HAVING JURISDICTION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD COORDINATING ALL PLUMBING PIPING SLEEVE LOCATIONS WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF ANY PIPING OR SUPPORTS.
9. HORIZONTAL GRAVITY DRAINAGE PIPING SHALL BE PROVIDED AT NO LESS THAN THE MINIMUM SLOPE AS REQUIRED BY THE PREVAILING PLUMBING CODE.
   A. IN ACCORDANCE WITH THE UPC: GRAVITY DRAINAGE PIPING 3" AND SMALLER SHALL BE PROVIDED AT NO LESS THAN 1/4 INCH PER FOOT UNIFORM SLOPE AND GRAVITY DRAINAGE PIPING 4" AND LARGER SHALL BE PROVIDED AT NO LESS THAN 1/8 INCH PER FOOT UNIFORM SLOPE.
   B. IN ACCORDANCE WITH THE IPC: GRAVITY DRAINAGE PIPING 2-1/2" AND SMALLER SHALL BE PROVIDED AT NO LESS THAN 1/4 INCH PER FOOT UNIFORM SLOPE AND GRAVITY DRAINAGE PIPING 3" AND LARGER SHALL BE PROVIDED AT NO LESS THAN 1/8 INCH PER FOOT UNIFORM SLOPE.
   C. WHERE THE PREVAILING CODE REQUIRES A STEEPER SLOPE THAN INDICATED ABOVE (SUCH AS FOR GREASE WASTE PIPING) THEN SUCH REQUIREMENT SHALL CONTROL.
10. SLOPE ALL VENT PIPE BACK FROM THE VENT TERMINAL AT A MINIMUM 6" PER 100 FEET OF RUN.
11. THE DISCHARGE LINE FROM ANY EJECTOR OR PUMP WHICH CONNECTS TO A HORIZONTAL GRAVITY DRAINAGE LINE SHALL BE FROM THE TOP, THROUGH A WYE BRANCH FITTING.
12. PROVIDE FITTINGS FOR DRAINAGE WASTE AND VENT (DWV) AND STORM PIPING SYSTEMS OF APPROVED DRAINAGE PATTERN AND LONG OR SHORT RADIUS TYPES AS REQUIRED AND APPROVED FOR USE IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.
13. PROVIDE CLEANOUTS AT EACH CHANGE OF DRAINLINE DIRECTION GREATER THAN 45° AND IN COMPLIANCE WITH PLUMBING CODE REQUIREMENTS.
14. PROVIDE BRACING TO PREVENT AXIAL MOVEMENT FOR ALL DRAINAGE PIPING. PROVIDE RESTRAINTS AT ALL CHANGES IN DIRECTION AND AT ALL DIAMETER CHANGES GREATER THAN TWO PIPE SIZES. SPECIFICALLY ENGINEERED BRACES, STRAPS, AND CLAMPS CONSISTENT WITH THE PIPE AND COUPLING MANUFACTURER RECOMMENDATIONS, THE APPLICABLE INSTALLATION STANDARDS, AND LOCAL CODE REQUIREMENTS SHALL BE ACCEPTABLE. HOLDRITE OR PRE-APPROVED EQUIVALENT PRODUCTS.
15. PROVIDE ISOLATING BALL VALVES FOR ALL BRANCHES OFF DOMESTIC WATER MAINS. ALL PLUMBING SYSTEM VALVES SHALL BE INSTALLED IN ACCESSIBLE CEILING SPACES. WHERE CEILING IS NOT ACCESSIBLE, OR SPACE IS CONFLICTING, VALVES SHALL BE INSTALLED IN PARTITIONS OR PIPE CHASES. PROVIDE MILCOR STYLE 'K' PAINTED STEEL HINGED ACCESS PANELS IN LOCATIONS PRE-APPROVED BY THE ARCHITECT.
16. ALL HOT WATER AND HOT WATER CIRCULATING PIPING SHALL BE PROVIDED WITH FIBERGLASS INSULATION WITH ALL SERVICE JACKET AND SELF SEALING LAP JOINT AS FOLLOWS:
   A. 1" THICK INSULATION FOR PIPE SIZES 1-1/4" AND SMALLER.
   B. 1-1/2" THICK INSULATION FOR PIPE SIZES 1-1/2" AND LARGER.
17. INSTALL EACH WATER HEATER AND ALL OTHER PLUMBING EQUIPMENT WITH ADEQUATE CLEARANCES FOR ACCESS BY SERVICE PERSONNEL AND WITH PROPER ORIENTATION FOR ELEMENT REMOVAL/REPLACEMENT.
18. CONTRACTOR SHALL STERILIZE ALL DOMESTIC WATER PIPING ACCORDING TO AMERICAN WATER WORKS ASSOCIATION (AWWA) SPECIFICATIONS.
19. ALL CAST IRON PIPE, FITTINGS AND INSTALLATION SHALL COMPLY WITH THE CAST IRON SOIL PIPE INSTITUTE (CISPI) STANDARDS.
20. FLASH FLOOR DRAINS IN FLOORS WITH TOPPING OVER FINISHED AREAS WITH 40 MIL PVC MEMBRANE, 10 INCHES CLEAR ON SIDES WITH MINIMUM 36 X 36 INCH SHEET SIZE. FASTEN WATERPROOFING MEMBRANE FLASHING TO DRAIN CLAMPING DEVICE.
21. NO PLUMBING PIPING SHALL BE ROUTED OVER MAJOR MECHANICAL EQUIPMENT, MDF/IDF/DATA CLOSETS, ELECTRICAL ROOMS, OR ANY SUCH EQUIPMENT.
22. COORDINATE ALL WORK WITH THE WORK OF OTHER TRADES TO AVOID CONFLICTS AND ALSO TO MINIMIZE INTERRUPTION OF SERVICES FOR RENOVATIONS.
23. THE PROPER INSTALLATION OF NEW FIXTURES AND THE PROPER CONTINUED OPERATION OF EXISTING BUILDING FIXTURES TO REMAIN (FOR RENOVATIONS) SHALL GOVERN THE EXTENT AND NATURE OF WORK.
24. FOR RENOVATIONS THE CONTRACTOR SHALL MAKE ARRANGEMENTS IN ADVANCE WITH THE OWNER PRIOR TO ANY NECESSARY SHUT DOWN OF THE DOMESTIC WATER OR ANY OTHER SERVICE. ANY SUCH SHUT DOWN SHALL BE AT A TIME AND FOR A DURATION SATISFACTORY TO THE OWNER, WHO SHALL MAKE THE FINAL DETERMINATION AS TO ITS ACCEPTABILITY.
25. RENOVATIONS SITE INSPECTIONS: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMITTING A BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND EXACT NATURE OF WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE AND FUNCTIONAL SYSTEM. NO CHANGES IN THE CONTRACT WILL BE MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDS FOR ANY OMISSION WHICH RESULTS FROM FAILURE TO MAKE SUCH A THOROUGH EXAMINATION. NOTE THAT FOR GRAPHICAL CLARITY, ALL EXISTING PIPING TO REMAIN OR BE ABANDONED IN PLACE MAY NOT BE SHOWN ON THE FLOOR PLANS.

TRUE

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | Author
CHECK | Checker

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

PLUMBING GENERAL NOTES

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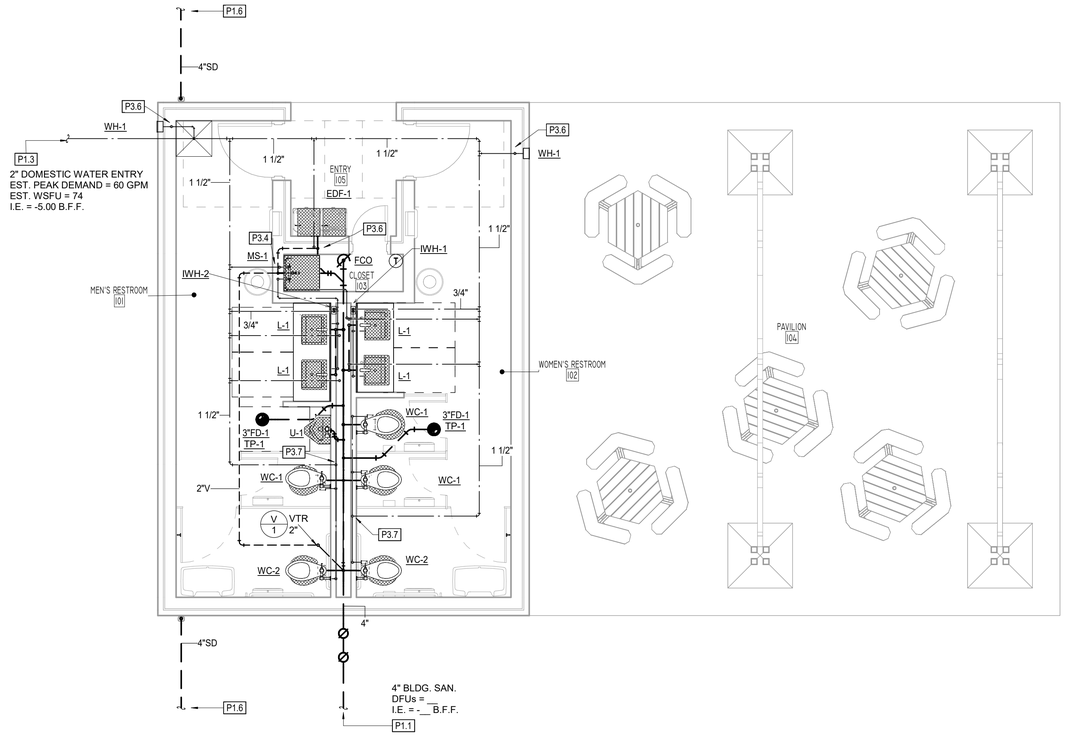

1 PLUMBING PLAN LEVEL 1

1/4" = 1'-0"

PLUMBING KEYED NOTES

P1.1 SANITARY BUILDING DRAIN, SIZE AS NOTED, REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION BEYOND 5' OF THE BUILDING LINE.

P1.3 DOMESTIC WATER SERVICE, SIZE AND PEAK FLOW RATE AS NOTED.

P1.6 STORM, SIZE AND DEPTH AS NOTED.

P3.4 DROP AND EXTEND 3/4" HOT AND COLD WATER TO SERVE FIXTURE(S).

P3.6 DROP AND EXTEND 3/4" COLD WATER TO SERVE FIXTURE(S).

P3.7 DROP AND EXTEND MINIMUM 1-1/2" COLD WATER TO SERVE FIXTURE.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
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NO.	DESCRIPTION	DATE

PLUMBING ENLARGED PLAN

P3.01

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PLUMBING FIXTURE SCHEDULE

PLAN MARK	MINIMUM ROUGH-IN SIZES					DESCRIPTION
	WASTE & VENT		DRAIN	CW	HW	
WATER CLOSET WC-1 FLOOR MOUNT	4"	2"	4"	1-1/2"	---	TOTO MODEL: CT705ULN(G) WHITE V.C. ELONGATED SIPHON JET FLOOR MOUNT (1.0 GPF) BOWL WITH TOP SPUD
FLUSH VALVE						TOTO MODEL No. TET1LAR ECOPOWER HIGH-EFFICIENCY TOILET FLUSH VALVE (1.28 GPF).
ACCESSORIES						GEMLINE GL212SSCWH ELONGATED, HEAVY-DUTY, WHITE, OPEN FRONT TOILET SEAT, LESS COVER WITH SELF-SUSTAINING STAINLESS STEEL CHECK HINGE. PROVIDE TOTO VB032A#CP VACUUM BREAKER SET. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CARRIER. FOR FULL DESCRIPTION REFER TO PROJECT SPECIFICATIONS. REFER TO ARCHITECTS PLANS FOR ADA MOUNTING HEIGHT.
WATER CLOSET WC-2 ADA	4"	2"	4"	1-1/2"	---	TOTO FLOOR-MOUNTED TOILET WITH FLUSH VALVE (TET1LAR#CP) SAME AS ABOVE EXCPET WITH TRIM AS REQUIRED FOR ADA USE AND VACUUM BREAKER KIT (VB0932A#CP).
URINAL U-1 ADA	2"	2"	2"	3/4"	---	TOTO MODEL No. UT445U(V) 0.125 GPF HIGH-EFFICIENCY WASHOUT URINAL FIXTURE (0.125 GPF) WITH WALL HANGERS, MOUNTING BRACKET, S.S. STRAINER 047068-0070A, TOP SPUD
FLUSH VALVE						TOTO MODEL No. TEU1UA12#CP ECOPOWER ULTRA HIGH-EFFICIENCY URINAL FLUSH VALVE (0.125 GPF).
ACCESSORIES						ZURN OR EQUAL FLOOR MOUNTED CARRIER AND TOTO VACUUM BREAKER (VB0912#CP). FOR FULL DESCRIPTION REFER TO PROJECT SPECIFICATIONS, REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHT.
LAVATORY L-1 DROP IN - ADA	2"	2"	1-1/4"	3/4" 1/2"TW (90°)	3/4"	AMERICAN STANDARD MODEL No. 0315.000 "BOXE" UNDERCOUNTER SINK WITH RECTANGULAR INTERIOR AND FLAT BOTTOM DESIGN BOWL AND FRONT OVERFLOW.
FAUCET						SLOAN MODEL No. ETF-80 OPTIMA SENSOR FAUCET (1.5 GPM). HARD-WIRED POWERED DECK MOUNTED MODE BODY FAUCET.
ELECTRIC DRINKING FOUNTAIN EDF-1 ADA	2"	2"	1-1/4"	1/2"	---	ELKAY No. VRCTLR8WSK WALL MOUNTED BI-LEVEL COOLER, NON-FILTERED. WATER BOTTLE FILLING STATION, REFRIGERATED. PROVIDE ZURN OR EQUAL FLOOR MOUNTED PLATE TYPE CARRIER AND TRAP AND SUPPLY AS NOTED BELOW. PROVIDE WITH ALL STAINLESS STEEL CABINET. PROVIDE 3 REPLACEMENT FILTERS (ELKAY MODEL NO. VRCMWS)
ELECTRICAL REQUIREMENTS						1/5 HP, 4.0 FL. AMPS. WIRED FOR POWER AS SCHEDULED ON ELECTRICAL DRAWINGS.
ACCESSORIES						REFER TO PLUMBING SUPPLY AND TRIM SCHEDULE. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CONCEALED ARM CARRIER, REFER TO ARCHITECTS PLANS FOR MOUNTING HEIGHTS.
THERMOSTATIC MIXING VALVE...	---	---	---	1/2"	1/2"	POWERS MODEL: 270-LF ADJUSTABLE POINT-OF-USE LEAD FREE THERMOSTATIC MIXING VALVE, ASSE 1070 WITH INLET CHECK STOPS TO LIMIT HOT WATER TEMPERATURE. SET...
FLOOR DRAIN FD-1	3"	2"	3"	---	---	ZURN No. ZN-415 CAST IRON DRAIN WITH 6" DIAMETER TYPE 'B' STRAINER AND 1/2" IPS TRAP PRIMER CONNECTION. FOR FLOOR DRAIN BODY POURED IN CONCRETE SLAB PROVIDE...
TRAP PRIMER TP-1	---	---	---	1/2"	---	SLOAN No. VBF-72-A1 FLUSH VALVE VACUUM BREAKER TRAP REFILL SUPPLY. AFFIX UNIT TO WATER CLOSET NEAREST TO THE FLOOR DRAIN SUPPLIED. ALL EXPOSED TO BE CHROME...
MOP SINK MS-1	3"	2"	---	3/4"	3/4"	STERN WILLIAMS No. MTB-2424 MOP BRACKET, STERN WILLIAMS No. T-35 BRACKET AND HOSE.
FAUCET						AMERICAN STANDARD MODEL No. 8354112.004 WALL MOUNTED SERVICE SINK FAUCET.
ACCESSORIES						MOP BRACKET AND HOSE WITH S.S. CAPS AND SPLASH CATCHER PANELS.

* - REFER TO DRAWINGS FOR SIZING.
GENERAL NOTES:
1. FOR ALL SUPPLY STOPS AND TRIM REFER TO THE PLUMBING FIXTURE SUPPLIES AND TRIM SCHEDULE.
2. FOR MOUNTING HEIGHTS OF INDIVIDUAL FIXTURES, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
3. CONTRACTOR TO COORDINATE LOCATION OF DRAINS AND FLOOR SINKS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

PLUMBING FIXTURE SUPPLIES AND TRIM

FIXTURE	MANUFACTURER	STRAINER	P-TRAP	SIZE	ANGLE STOP AND SUPPLY RISER
LAVATORY	McGUIRE	HD155A	8872	1-1/4"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.
DRINKING FOUNTAIN	McGUIRE	HD155A	8872	1-1/4"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.
SINK	McGUIRE	152N	8912	1-1/2"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.
2 COMPARTMENT SINK, NO DISPENSER	McGUIRE	(2) 152N WITH CONTINUOUS WASTE 111C16G17	8912	1-1/2"	LFBV2165-LK, 1/2" I.P.S. X 3/8" O.D.

NOTE:

1. STRAINERS SHALL BE HEAVY CAST BRASS CHROME PLATED WITH MATCHING GRID TYPE STRAINER, WITH OR WITHOUT OVERFLOW AS REQUIRED. 17 GAUGE SEAMLESS BRASS TAILPIECE OF LENGTH DETERMINED BY INSTALLATION REQUIREMENTS. PROVIDE COMPLETE WITH WASHERS AND BRASS LOCKNUT.

2. P-TRAPS SHALL BE 17 GAUGE SEAMLESS CHROME-PLATED BRASS, ADJUSTABLE TYPE. PROVIDE COMPLETE WITH CLEANOUT PLUG, CHROME-PLATED BRASS SLIP NUTS, WALL BEND, AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.

3. ANGLE STOPS SHALL BE LEAD-FREE COMMERCIAL PATTERN CHROME-PLATED BRASS, QUARTER-TURN BALL TYPE WITH LOOSE KEY HANDLES. PROVIDE COMPLETE WITH CHROME-PLATED COPPER SUPPLY RISERS AND WROUGHT BRASS ESCUTCHEON OF DEPTH DETERMINED BY INSTALLATION REQUIREMENTS.

4. PIPE TRIM INSULATION SHALL BE COMPLIANT, WHITE MOLDED VINYL, FADE/DISCOLORATION-RESISTANT, BACTERIA/FUNGAL-RESISTANT INSULATION.
5. PROVIDE ZURN OR EQUAL FLOOR MOUNTED CARRIER.

ELECTRIC TANKLESS WATER HEATER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL #	TYPE	FUEL	CW INLET	HW OUTLET	FLOW RATE (GAL/MIN)	TEMP RISE (deg F)	ELECTRICAL REQUIREMENTS			
									VOLTS (V)	PHASE	kW	AMPS
INSTANTANEOUS WATER HEATER IWH-1	EEMAX	AM004277T	INSTANTANEOUS	ELECTRIC	3/4"	3/4"	0.50	19	277	1	4.1	14.8
INSTANTANEOUS WATER HEATER IWH-2	EEMAX	AM004277T	INSTANTANEOUS	ELECTRIC	3/4"	3/4"	0.50	19	277	1	4.1	14.8

NOTES:
1. THERMOSTATIC TEMPERATURE CONTROL (ASSE 1070)
2. WIRED FOR POWER AS SCHEDULED ON ELECTRICAL DRAWINGS, VERIFY WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING EQUIPMENT.
3. COORDINATE LOCATION OF WATER HEATER WITH ARCHITECTURAL CABINETRY PRIOR TO INSTALLATION.

TRUE

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PLUMBING SCHEDULES

P5.01

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1 EP SITE PLAN
1" = 30'-0"

GENERAL ELECTRICAL NOTES:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

E7.1 COORDINATE ALL LOCATIONS WITH CIVIL SITE UTILITIES PRIOR TO ROUGH-IN.

E7.2 PROPOSED LOCATION FOR CT CABINET, METER CAN, AND SERVICE ENTRANCE DISCONNECT.

E7.10 PROPOSED ROUTING OF NEW UNDERGROUND SECONDARY DUCTBANK.

E7.11 PROPOSED LOCATION OF NEW POWER POLE BY UTILITY. EXACT POLE LOCATIONS AND ROUTING TO BE DETERMINED BY UTILITY.

E7.13 PROPOSED ROUTING OF NEW UTILITY COMPANY OVERHEAD LINES. EXACT POLE LOCATIONS AND ROUTING TO BE DETERMINED BY UTILITY.

E7.14 PROPOSED LOCATION OF POWER COMPANY POLE MOUNTED TRANSFORMERS. PROVIDE PER UTILITY SERVICE STANDARDS.

PLUMBING KEYED NOTES

P1.1 SANITARY BUILDING DRAIN. SIZE AS NOTED. REFER TO CIVIL UTILITY DRAWINGS FOR CONTINUATION BEYOND 5' OF THE BUILDING LINE.

P1.3 DOMESTIC WATER SERVICE, SIZE AND PEAK FLOW RATE AS NOTED.

P1.6 STORM, SIZE AND DEPTH AS NOTED.

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EP SITE PLAN

EP0.21

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TECHNOLOGY LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	▽	INDICATES THE LOCATION OF A NEW TECHNOLOGY OUTLET. CONTRACTOR TO PROVIDE FACEPLATE WITH A MINIMUM OF 4-PORTS AT EACH LOCATION UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR TO PROVIDE A DOUBLE GANG BACK BOX WITH A SINGLE GANG REDUCER RING AND A 1" EMT CONDUIT FROM THE BOX TO THE NEAREST ACCESSIBLE CEILING. SOME EXISTING BUILDINGS MAY REQUIRE SURFACE MOUNTED RACEWAY. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL RACEWAY AS SPECIFIED AND DESIGNATE IN THE ELECTRICAL CONTRACT DOCUMENTS. SYSTEM INSTALLER TO PROVIDE AND INSTALL A PLASTIC PROTECTIVE BUSHING, ON EACH CONDUIT STUB-OUT, TO PREVENT CABLE DAMAGE.
	▽	INDICATES THE LOCATION OF A FLOOR MOUNTED TECHNOLOGY OUTLET. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A FLOOR BOX WITH ONE (1) 1" CONDUIT PER EVERY SIX (6) CABLES INSTALLED. ALL CONDUITS SHALL ROUTE FROM THE FLOOR BOX, DIRECTLY TO THE WALL INDICATED AND STUB-UP INTO THE NEAREST ACCESSIBLE PLENUM CEILING
	⌖	INDICATES THE LOCATION OF A CEILING MOUNTED OUTLET. CONTRACTOR SHALL MOUNT THIS OUTLET AT +12" ABOVE THE CEILING AND COORDINATE ALL FINAL LOCATIONS WITH OTHER TRADES ON THE PROJECT TO VERIFY THAT THE LOCATION OF THE OUTLET MAINTAINS 12" OF CLEARANCE FROM THE FRONT OF THE FACEPLATE FOR OWNER ACCESS. ELECTRICAL CONTRACTOR SHALL ROUTE ONE (1) 1" CONDUIT FROM THE BUILDING STRUCTURE TO A SINGLE GANG BACK BOX MOUNTED AT 5' 0" OR LESS ABOVE THE FINISHED CEILING. SECURE CONDUIT AND BACK BOX TO INSURE MINIMAL SWAY MOVEMENT.
	'D#'	DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A NETWORK CONNECTION. THE '#' SHALL BE REPLACED WITH NUMERIC TEXT THAT IDENTIFIES THE TOTAL NUMBER OF CATEGORY 6, NETWORK CABLES THAT ARE TO BE INSTALLED AT THE TECHNOLOGY OUTLET LOCATION. CONTRACTOR TO PROVIDE AND INSTALL CATEGORY 6 CABLES, CATEGORY 6 CONNECTORS, STAINLESS STEEL FACEPLATES WITH IDENTIFICATION WINDOWS, LABELS, BLANK INSERTS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETE FUNCTIONAL AND TESTED OUTLET LOCATION. ALL FACEPLATES PROVIDED SHALL CONTAIN A MINIMUM 4-PORTS AND SHALL BE APPROPRIATELY SIZED TO ACCOMMODATE THE NUMBER OF JACKS BEING INSTALLED AT THIS TECHNOLOGY OUTLET LOCATION. MAXIMUM OF SIX (6) DATA CABLES PER OUTLET. PROVIDE BLANK INSERTS IN ALL UNUSED PORTS ON FACEPLATES.
	'W'	DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A WALL MOUNTED TELEPHONE CONNECTION. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE, ONE (1) CATEGORY 6 CONNECTOR, STAINLESS STEEL WALL TELEPHONE FACEPLATE, LABELS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETE FUNCTIONAL AND TESTED EQUIPMENT OUTLET AT EACH LOCATION SHOWN. CONTRACTOR SHALL MOUNT THIS OUTLET AT +42" AFF AND COORDINATE ALL FINAL LOCATIONS WITH OTHER TRADES ON THE PROJECT TO VERIFY THAT THE LOCATION OF THE OUTLET MAINTAINS 8" OF CLEARANCE ON ALL FOUR SIDES OF THE BACK BOX. OUTLETS SHALL REMAIN CLEAR OF ROOM DOORS, CABINET DOORS, APPLIANCE DOORS, AND SLIDING DRAWERS.
	'AP'	DESIGNATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR THE USE OF A WIRELESS ACCESS POINT CONNECTION. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE, ONE (1) CATEGORY 6 CONNECTOR, STAINLESS STEEL FACEPLATE WITH IDENTIFICATION WINDOWS, LABELS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETE FUNCTIONAL AND TESTED EQUIPMENT OUTLET AT EACH LOCATION SHOWN. REFERENCE SPECIFICATIONS FOR PATCH CABLE REQUIREMENTS.
	⌖	INDICATES THE LOCATION OF AN IP VIDEO SURVEILLANCE CAMERA. CONTRACTOR TO PROVIDE AND INSTALL CATEGORY 6 NETWORK CABLES, CATEGORY 6 CONNECTORS, STAINLESS STEEL FACEPLATES WITH IDENTIFICATION WINDOWS, LABELS, BLANK INSERTS, AND ANY OTHER MATERIALS REQUIRED TO FURNISH A COMPLETE FUNCTIONAL AND TESTED OUTLET LOCATION. ALL FACEPLATES PROVIDED SHALL SHALL BE APPROPRIATELY SIZED TO ACCOMMODATE THE NUMBER OF CIRCUITS BEING INSTALLED AT THIS OUTLET LOCATION. REFERENCE SPECIFICATIONS FOR PATCH CABLE REQUIREMENTS.
		INDICATES THAT THE ASSOCIATED TECHNOLOGY OUTLET IS INTENDED FOR FUTURE USE. CONTRACTOR TO PROVIDE STAINLESS STEEL, SINGLE-GANG WALL PLATE AT ALL LOCATIONS.

NOTES:
REFERENCE TECHNOLOGY GENERAL NOTES, PLAN KEYED NOTES, AND ALL OTHER SYSTEM LEGENDS/NOTES. THE STRUCTURED CABLING SYSTEM CONTRACTOR SHALL PROVIDE AND INSTALL CATEGORY 6 CABLE TO ALL SYSTEMS' EQUIPMENT REQUIRING NETWORK CONNECTIVITY.

VIDEO SURVEILLANCE LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	⌖	INTERIOR/EXTERIOR WALL MOUNTED VIDEO SURVEILLANCE CAMERA.
	⌖	INTERIOR/EXTERIOR CEILING/CANOPY MOUNTED VIDEO SURVEILLANCE CAMERA
	VRS	VIDEO RECORDING SERVER. REFERENCE SPECIFICATIONS FOR INFORMATION CONCERNING ANALOG OR IP BASED TYPE SYSTEM.
	#MU	INDICATES THE LOCATION OF A VIDEO SURVEILLANCE MAIN

NOTES:
1. REFERENCE VIDEO SURVEILLANCE SCHEDULE AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

INTRUSION DETECTION LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	IDP	DESIGNATES THE LOCATION OF THE INTRUSION DETECTION SYSTEM, CONTROL PANEL, ELECTRICAL CONTRACTOR TO PROVIDE 120V POWER TO PANEL
	DC	FLUSH MOUNTED MAGNETIC DOOR CONTACT.
	SDC	SURFACE MOUNTED MAGNETIC DOOR CONTACT.
	ODC	OVERHEAD DOOR, SURFACE MOUNTED DOOR CONTACT.
	KP	INTRUSION DETECTION SYSTEM ARM/DISARM KEYPAD.
	M	STANDARD RANGE WALL MOUNTED MOTION DETECTOR.
	M	MEDIUM RANGE WALL MOUNTED MOTION DETECTOR.
	M	LONG RANGE WALL MOUNTED MOTION DETECTOR.
	M	CEILING MOUNTED, 360° MOTION DETECTOR.
	R	RELAY/MONITOR MODULE
	DB	DURESS BUTTON
	WSR	WIRELESS SECURITY RECEIVER. ELECTRICAL CONTRACTOR TO PROVIDE ONE (1) SINGLE GANG BACK BOX WITH A 1" CONDUIT ROUTING TO THE NEAREST ACCESSIBLE CEILING. MOUNT AT 12" BELOW THE FINISHED CEILING, BUT DO NOT EXCEED 12'-0" AFF.
	GB	CEILING MOUNTED GLASS BREAK DETECTOR

NOTES:
1. REFERENCE ACCESS CONTROL SCHEDULE, DIVISION 8 AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

ACCESS CONTROL LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	CR	WALL OR MULLION MOUNTED ACCESS CONTROL PROXIMITY CARD READER.
	CR	ACCESS CONTROL PROXIMITY CARD READER THAT IS INTEGRATED INTO THE DOOR HARDWARE.
	DR	DOOR RELEASE BUTTON
	PIR	MOTION REQUEST TO EXIT DEVICE
	ACP	DESIGNATES THE LOCATION OF THE ACCESS CONTROL SYSTEM, CONTROL PANEL. ELECTRICAL CONTRACTOR TO PROVIDE 120V. POWER TO PANEL. PROVIDE NETWORK CABLE TO PANEL AND COORDINATE WITH THE OWNER'S TECHNOLOGY DEPARTMENT ON ACQUIRING AN IP ADDRESS.
	DS	WALL OR MULLION MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
	DS	DOOR MOUNTED, 2-WAY AUDIO/VIDEO INTERCOM DOOR STATION.
	MS	2-WAY AUDIO/VIDEO INTERCOM MASTER STATION.
	PB	ADA AUTO DOOR OPEN BUTTON. SHOWN FOR REFERENCE ONLY, BUTTON AND AUTO DOOR OPERATOR PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
	DO	AUTO DOOR OPERATOR. OPERATOR TO BE PROVIDED AND INSTALLED BY THE DOOR SYSTEM INSTALLER.
	LA	WALL MOUNTED, LOCAL ALARM SOUNDER.
	DC	DPDT MAGNETIC DOOR CONTACT/DOOR POSITION SENSOR. FLUSH MOUNTED IN DOOR FRAME, UNLESS NOTED OTHERWISE

NOTES
1. REFRENCE ACCESS CONTROL SCHEDULE, DETAILS, AND DIVISION 28 SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

AUDIO/VIDEO LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	'#MP'	INDICATES THE LOCATION OF A VIDEO PROJECTOR # TO BE REPLACED WITH "C" OR "W". "C" INDICATES THAT THE DEVICE IS A CEILING MOUNTED DEVICE AND "W" INDICATES IT IS TO BE WALL MOUNTED. CONTRACTOR TO PROVIDE AND INSTALL A PROJECTOR, CEILING OR WALL MOUNTING KIT, AND PATCH CABLES AS REQUIRED TO CONNECT AT BOTH ENDS.
	'AV-'#	INDICATES THAT THE DESIGNATED TECHNOLOGY OUTLET IS INTENDED FOR AN AUDIO/VIDEO (A/V) INPUT. CONTRACTOR TO PROVIDE AND INSTALL A FLOOR MOUNTED OR WALL MOUNTED BOX AS INDICATED. TWO (2) 1.25" CONDUITS FROM THE BOX TO THE NEAREST, PLENUM ACCESSIBLE CEILING WITHIN THE SAME ROOM. ALL FLOOR AND WALL MOUNTED BOXES SHALL BE A MINIMUM OF 2-GANGS. '#' - WHEN REPLACED WITH A '1' (AV-1) ONLY, THE OUTLET SHALL BE A STANDALONE, LOCAL INPUT TIED TO A LOCAL VIDEO DISPLAY (FSD, CMP, WMP, AV-2, ETC.). THIS OUTLET WILL NOT BE ASSOCIATED WITH ANY SYSTEM FOR ROUTING TO DISPLAYS LOCATED IN ANY OTHER PORTION OF THE PROJECT. IF NOT REPLACED WITH A '1' SEE THE NOTES AT THE BOTTOM OF THE LEGEND FOR ADDITIONAL INSTRUCTIONS.
	'FSD-'#	INDICATES THE LOCATION OF A FLAT PANEL VIDEO DISPLAY. CONTRACTOR TO PROVIDE AND INSTALL TWO (2) CATEGORY 6 UTP NETWORK CABLE TO ALL LOCATIONS SHOWN ON THE ENTIRE PROJECT. '#' - WHEN REPLACED WITH A '1' (FSD-1) ONLY, THE OUTLET SHALL BE A STANDALONE AND ONLY HAVE THE CATEGORY 6 CABLE ROUTED TO IT, FROM THE MDF/IDF SERVING THE DEVICES AREA ROOM. '#' - WHEN REPLACED WITH A '2' (FSD-2) ONLY, THE OUTLET SHALL HAVE THE CATEGORY 6 CABLE ROUTED TO IT, FROM THE MDF/IDF SERVING THE DEVICES AREA, AND THE CABLING FROM THE ASSOCIATED AV-1. EACH FSD OUTLET SHALL BE A 2-GANG BOX AND TWO (2) 1.25" CONDUITS STUBBING INTO THE ROOMS ACCESSIBLE CEILING. PROVIDE ONE DOUBLE-GANG FACEPLATE WITH TWO (2) DECORA PORTS. PROVIDE A DECORA STYLE INSERT THAT ACCEPTS THE STYLE OF DATA JACK BEING USED FOR STRUCTURED CABLING. WHEN THERE IS A LOCAL A/V INPUT ASSOCIATED WITH THE DISPLAY, PROVIDE A DECORA INSERT THAT CONFORMS WITH THE SYSTEMS SPECIFIED. OTHERWISE PROVIDE A BLANK INSERT IN THE SECOND PORT.
	'IVD'	INDICATES THE LOCATION OF A WALL MOUNTED, INTERACTIVE VIDEO DISPLAY. PROVIDE AND INSTALL A/V CABLE FROM THE ASSOCIATED AV-1 AS PER SYSTEM SPECIFICATIONS. RACEWAY SHALL CONSIST OF A 2-GANG BOX AND TWO (2) 1.25" CONDUITS STUBBING INTO THE ROOMS ACCESSIBLE CEILING. PROVIDE ONE DOUBLE-GANG FACEPLATE WITH TWO (2) DECORA PORTS. PROVIDE A DECORA STYLE INSERT THAT ACCEPTS THE STYLE OF DATA JACK BEING USED FOR STRUCTURED CABLING. WHEN THERE IS A LOCAL A/V INPUT ASSOCIATED WITH THE DISPLAY, PROVIDE A DECORA INSERT THAT CONFORMS WITH THE SYSTEMS SPECIFIED. OTHERWISE PROVIDE A BLANK INSERT IN THE SECOND PORT.
	'USB-T'	INDICATES THE LOCATION OF A USB INPUT PLATE THAT SHALL TRANSMIT USB SIGNAL TO THE ASSOCIATED USB OUTPUT PLATE. RACEWAY SHALL CONSIST OF ONE (1) 1" CONDUIT AND A SINGLE GANG BACK BOX.
	'USB-R'	INDICATES THE LOCATION OF A USB OUTPUT PLATE THAT SHALL RECEIVE USB SIGNAL FROM THE USB ASSOCIATED INPUT PLATE. RACEWAY SHALL CONSIST OF ONE (1) 1" CONDUIT AND A SINGLE GANG BACK BOX.
	S'-'#	INDICATES THE LOCATION OF A LOCAL SOUND REINFORCEMENT/PRESENTATION SPEAKER. '#' - WHEN REPLACED WITH AN 'L', THE SPEAKER SHALL BE FOR LOCAL INSTRUCTIONAL PRESENTATION AUDIO AND POWERED BY THE SPECIFIED CLASSROOM PRESENTATION AMPLIFIER. '#' - WHEN REPLACED WITH 'SM', THE SPEAKER SHALL BE DEDICATED TO A SPEECH PRIIVACY/SOUND MASKING SYSTEM.
	AVC'-'#	INDICATES THE LOCATION OF AN AUDIO/VIDEO CONTROL PLATE. RACEWAY SHALL CONSIST OF ONE (1) A BACK BOX WITH A 1" CONDUIT ROUTING INTO THE ACCESSIBLE CEILING SPACE WITHIN THE SAME ROOM. AV SYSTEM INSTALLER TO COORDINATE THE CONTROL BACK BOX SIZE REQUIREMENT WITH THE PROJECT'S ELECTRICAL CONTRACTOR.

NOTES:
A. IN THE EVENT THAT "#" IS NOT DEFINED IN THE OUTLET DESCRIPTION, THE DEVICE SHALL BE CONSIDERED A STANDALONE DEVICE, SERVING THE SYSTEM WITHIN THE SAME SPACE OR THE FOLLOWING SHALL APPLY:

* # - UNLESS SPECIFICALLY NOTED OTHERWISE, THE FOLLOWING SHALL APPLY TO EACH DEVICE SHOWN ON THE ENTIRE PROJECT:

* SHALL BE REPLACED THE ALPHABETICAL CHARACTERS THAT SHALL INDICATE THE SPECIFIC VENUE THAT THE DEVICE IS ASSOCIATED WITH

SHALL BE REPLACED WITH A NUMERIC VALUE THAT SHALL IDENTIFY THE SPECIFIC DEVICE WITHIN THE SPECIFIC VENUE

B. THE AUDIO/VIDEO SYSTEM INTEGRATOR SHALL COORDINATE ALL BOX AND CONDUIT SIZE REQUIREMENTS PRIOR TO ROUGH-IN BY THE PROJECT ELECTRICAL CONTRACTOR.

C. REFERENCE SCOPE MATRIX AND PROJECT SPECIFICATIONS FOR INSTRUCTIONS REGARDING THE PROVIDING AND INSTALLATION OF VIDEO DISPLAYS, PROJECTORS, SCREENS, MOUNTS, AND LIFTS.

TYPICAL SUBSCRIPTS LEGEND

TEXT	DESCRIPTION
'WM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE WALL MOUNTED AT SPECIFIED HEIGHT OR IN COMPLIANCE WITH CODE REQUIREMENTS. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'WP'	INDICATES THAT THE DESIGNATED DEVICE SHALL BE WEATHER PROOF AND RATED FOR EXTERIOR CONDITIONS INSTALLATION.
'AC'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE COUNTERTOP. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE COUNTER. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'AFF'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE FINISHED FLOOR. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE FINISHED FLOOR. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'AG'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED ABOVE THE GRADE LEVEL. A NUMERIC VALUE SHALL REPLACE THE '#' SYMBOL AND SHALL DESIGNATE THE SPECIFIC HEIGHT ABOVE GRADE. ALL HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.
'SM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE SURFACE MOUNTED. CONTRACTOR TO PROVIDE ALL MATERIALS REQUIRED FOR A COMPLETE, SURFACE MOUNTED SOLUTION. ALL SURFACE MOUNTED PRODUCTS SHALL BE APPROVED BY THE PROJECT'S ARCHITECT PRIOR TO PROCUREMENT AND/OR INSTALLATION.
'UC'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE MOUNTED ON THE UNDERSIDE OF THE ELEVATED CANOPY.
'UF'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE INSTALLED UNDER A RAISED FLOOR SYSTEM.
'CM'	INDICATES THAT THE DESIGNATED DEVICE IS TO BE CORNER MOUNTED AT SPECIFIED HEIGHT. ALL WALL MOUNTED HEIGHTS ARE TO BE CONFIRMED WITH THE PROJECT'S ARCHITECT PRIOR TO ROUGH-IN.

GENERAL NOTES

1. ALL 120V POWER REQUIRED FOR THE FUNCTIONALITY OF EACH SYSTEM SHALL BE A DEDICATED CIRCUIT AND ON EMERGENCY POWER WHEN AVAILABLE. PROJECTS ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POWER TO MAIN CONTROL PANELS, REMOTE POWER SUPPLIES AND ALL HEAD END EQUIPMENT. SYSTEM INSTALLERS SHALL COORDINATE LOCATIONS AND CONNECTIONS WITH THE PROJECT'S ELECTRICAL CONTRACTOR.
2. THE PROJECT'S ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL IN CONDUITS, BACK BOXES, JUNCTION BOXES, RACEWAYS, AND SLEEVES REQUIRED TO ESTABLISH CLEAR PATHWAYS FOR ALL SYSTEMS. ALL CONDUITS, SLEEVES, BOXES, AND RACEWAYS SHALL BE PROPERLY SIZED TO MAINTAIN A 40% MAXIMUM FILL RATIO.
3. ALL TECHNOLOGY SYSTEMS OR WIRING ROUTING ACROSS NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED IN CONDUIT PROVIDED AND INSTALLED BY THE PROJECT'S ELECTRICAL CONTRACTOR. EXPOSED WIRING FOR ALL ROUTING ABOVE NON-ACCESSIBLE CEILINGS WILL NOT BE ACCEPTED SIZE CONDUIT AS REQUIRED TO ROUTE SYSTEMS WITH 40% CABLE FILL RATIO. MINIMUM CONDUIT SIZE SHALL BE 3/4".
4. EACH SYSTEM INSTALLER SHALL BE RESPONSIBLE FOR ENSURING ALL EXTERIOR WALL PENETRATIONS ARE PROPERLY SEALED TO PREVENT ANY MOISTURE FROM ENTERING BUILDING.
5. NO CONDUITS SHALL BE INSTALLED ON THE EXTERIOR OF THE BUILDING. IF EXTERIOR CONDUITS ARE REQUIRED FOR A COMPLETE INSTALLATION, EACH SYSTEM CONTRACTOR SHALL COORDINATE WITH THE PROJECTS CONSULTANT PRIOR TO ANY ROUGH-IN.
6. EACH SYSTEM INSTALLER SHALL PROVIDE AND INSTALL PROTECTIVE BUSHINGS ON ALL CONDUIT STUB OUTS AND SLEEVES TO PREVENT CABLE DAMAGE. BUSHING TO BE INSTALLED PRIOR TO CABLE INSTALLATION. CUTTING BUSHING AND INSTALLING AFTER CABLE IS INSTALLED WILL NOT BE EXCEPTED.
7. ALL CABLE SHALL BE ROUTED DOWN CORRIDORS, PARALLEL AND PERPENDICULAR TO THE BUILDING WALLS AND STRUCTURE. CABLE TO EACH DEVICE SHALL BRANCH OFF OF A MAIN CORRIDOR TRUNK. ROUTING CABLES THROUGH CLASSROOMS, OFFICES, STORAGE ROOMS, RESTROOMS OR ANY TYPE OF ROOM OTHER THAN A CORRIDOR WILL NOT BE ACCEPTED. ENTER ALL ROOMS ABOVE THE ASSOCIATED ROOM DOORWAY.

LOCAL SOUND SYSTEM LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES	S'-'#	VENUE SPECIFIC LOCAL SOUND SYSTEM SPEAKER. '# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND SPEAKER NUMBER.
	LSC'-'#	VENUE SPECIFIC LOCAL SOUND SYSTEM CONTROL PLATE. '# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND CONTROL PLATE NUMBER.
	M'-'#	VENUE SPECIFIC LOCAL SOUND SYSTEM MICROPHONE INPUT. '# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIC INPUT NUMBER.
	H'-'#	VENUE SPECIFIC LOCAL SOUND SYSTEM HANGING MICROPHONE. '# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIC NUMBER.
	ABM'-'#	VENUE SPECIFIC LOCAL SOUND SYSTEM 3.5MM AUXILIARY INPUT AND BLUETOOTH MIXER. '# TO BE REPLACED WITH ALPHANUMERIC TEXT INDICATING THE ASSOCIATED VENUE AND MIXER NUMBER. CONTRACTOR TO PROVIDE AND INSTALL A RECESSED ENCLOSURE WITH FLUSH MOUNTED, LOCKABLE DOOR. DEVICE TO BE MOUNTED AT +42" AFF.
	RACK	INDICATED THE LOCATION OF THE VENUE SPECIFIC LOCAL SOUND SYSTEM HEAD END RACK. AMPLIFIERS, DSPS, AND ALL OTHER HEAD END EQUIPMENT SHALL BE INSTALLED IN THIS RACK/CABINET.
	WA	WIRELESS MICROPHONE ANTENNA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.
	ALA	ASSISTED LISTENING ANTENNA. REFERENCE SPECIFICATIONS FOR MORE INFORMATION.

NOTES:
1. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS

SUBSCRIPTS LEGEND - EXISTING DEVICES

TEXT	DESCRIPTION
'E'	INDICATES THAT THE DEVICE IS EXISTING TO REMAIN. CONTRACTOR TO REMOVE DEVICE AND PLACE IN THE SAME LOCATION AS NEEDED.
'D'	INDICATES THAT THE DEVICE IS EXISTING AN IS TO BE REMOVED. CONTRACTOR TO REMOVE THE DEVICE AND RETURN TO OWNER.
'R'	INDICATES THAT THE DEVICE IS EXISTING AND SHALL BE REPLACED. REFERENCE NEW SYSTEM LAYOUT FOR EXACT LOCATIONS
'RR'	INDICATES THAT THE DEVICE IS EXISTING AND SHALL BE REMOVED AND RELOCATED TO A LOCATION INDICATED ON THE DRAWINGS. REFERENCE NEW SYSTEM LAYOUT FOR EXACT LOCATIONS.

COMMUNICATIONS

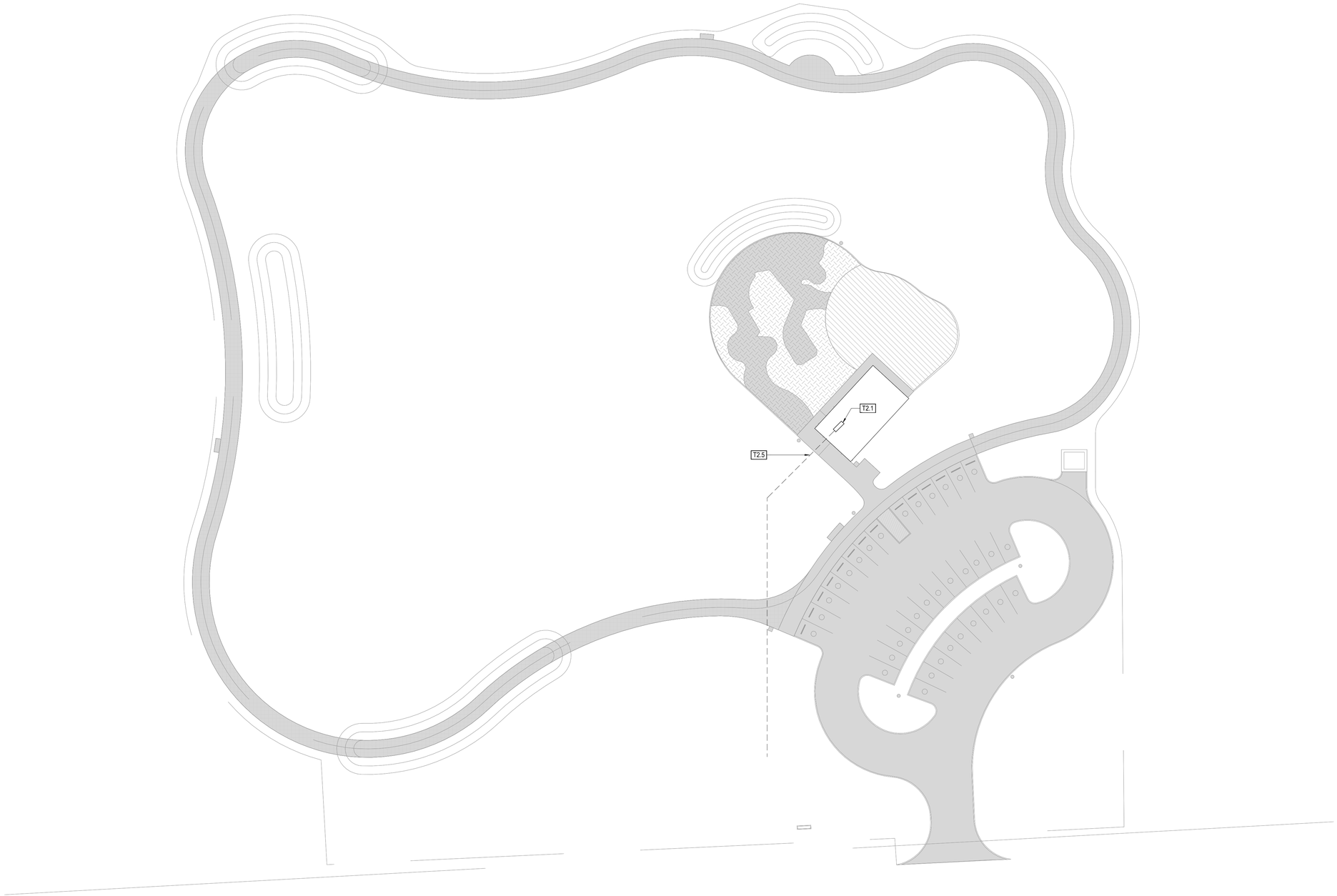
HS DS	SCHOOL INTERCOMMUNICATION SYSTEM HANDSET.
DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 42" AFF	
VC	VOLUME CONTROL - WALL MOUNTED
CB	INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE
DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 120" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER	
S L	INTERCOM/PA SPEAKER "L" LOCAL SOUND REINFOCEMENT
CEILING MOUNTED DEVICES:	
S VC	INTERCOM/PA SPEAKER "VC" INDICATED VOLUME CONTROL ON SPEAKER.

TECHNOLOGY GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH DBR ENGINEERING PRIOR TO THE INSTALLATION OF RACKS AND RACK EQUIPMENT. NO RACKS SHALL BE PERMANENTLY INSTALLED WITHOUT WRITTEN APPROVAL BY OWNER AND DBR OF THE PROPOSED LOCATIONS.
2. THE SELECTED INSTALLING CONTRACTOR MUST BE A CERTIFIED INTEGRATOR/ INSTALLER AUTHORIZED BY THE SPECIFIED SYSTEM MANUFACTURER TO INSTALL THE CABLE PLANT AND CONNECTIVITY PRODUCTS. REFER TO SPECIFICATIONS FOR PRODUCT TYPE AND DESCRIPTION.
3. SYSTEM WIRING AND EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES AS ESTABLISHED BY ANSI/TIA, BICSI, AND THE NEC.
4. ALL WIRING SHALL MEET ALL STATE AND LOCAL ELECTRICAL CODES.
5. ALL TELECOMMUNICATIONS SYSTEMS EQUIPMENT AND MOUNTING LOCATIONS SHALL BE IN COMPLIANCE WITH ADA ACCESSIBILITY STANDARDS.
6. INSTALLATION PROTOCOLS FOR ALL CATEGORY 6 DATA CABLING SHALL COMPLY WITH THE MOST CURRENT INDUSTRY STANDARDS.
7. ALL DATA CABLES ARE TO BE INSTALLED WITH A MINIMUM OF 12 INCHES OF SEPARATION FROM AC POWER CABLES, INTERCOM, FIRE ALARM, SECURITY CABLES IN ANY PARALLEL OPEN WIRE RUN.
8. ALWAYS CROSS OTHER SYSTEM CABLES AT A 90 DEGREE ANGLE.
9. ALL CABLES AND TERMINATION COMPONENTS SHALL BE MACHINE LABELED AT BOTH ENDS. LABEL ALL CABLES PER TECHNOLOGY DRAWINGS AND/OR SPECIFICATIONS. FINAL CABLE/OUTLET IDENTIFICATION LABELS SHALL BE COORDINATED WITH THE OWNER AND DBR.
10. CONTRACTOR TO PROVIDE LIGHTNING PROTECTION ON ALL COMMUNICATION CABLE BETWEEN BUILDINGS.
11. ALL EXPOSED CABLING ROUTED IN PLENUM SHALL BE PLENUM-RATED. ALL NON PLENUM-RATED CABLING INSTALLED IN PLENUM SPACES SHALL BE INSTALLED IN CONDUIT.
12. NO TERMINATION OR SPLICES SHALL BE INSTALLED IN OR ABOVE CEILINGS UNLESS NOTED NOTED OTHERWISE.
13. CONTRACTOR SHALL MAINTAIN WALL RATING WITH PROPER FIRE BLOCKING.
14. ALL CABLE INSTALLED SHALL ROUTE TO RING THE ROOM FROM LEFT TO RIGHT OF THE ROOM IN WHICH IT SERVES AND THEN TO THE OUTLET LOCATION IT IS INTENDED FOR. EACH CABLE SHALL HAVE A 10' SERVICE LOOP AT THE CENTER OF EACH ROOM AND A 3' SERVICE LOOP ABOVE EACH OUTLET LOCATION.
15. THE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLING FROM AN APPROVED CABLE SUPPORT SYSTEM AS DETAILED IN SPECIFICATIONS. NO CABLING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. PANDUIT J-MOD SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. IN LOCATION WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5' ABOVE THE CEILING AT ANY LOCATIONS.
16. CONTRACTOR TO PROVIDE AND INSTALL ALL REQUIRED CABLING AND COMPONENTS TO FURNISH TWO (2) CAT 6 CABLES FOR ANALOG TELEPHONE LINE(S) TO THE FIRE ALARM SYSTEM. CONTRACTOR TO COORDINATE WITH THE SYSTEM INSTALLER FOR EXACT LOCATIONS AND TERMINATION INSTRUCTIONS PRIOR TO INSTALLATION.
17. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO THE BUILDING'S ACCESS CONTROL HEAD END PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.
18. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO THE BUILDING'S INTRUSION DETECTION PANEL. TERMINATION OF THIS CABLE SHALL BE COORDINATED WITH THE SYSTEM INSTALLER.
19. PROVIDE AND INSTALL ONE (1) CATEGORY 6 CABLE TO EACH LIGHTING CONTROL HUB IN THE PROJECT DESIGN. COORDINATE EXACT QUANTITY AND LOCATIONS WITH THE LIGHTING CONTROL SYSTEM INSTALLER. CONTRACTOR TO ASSUME A MINIMUM OF FIVE (5) LIGHTING CONTROL HUBS PER PROJECT.
20. CONTRACTOR TO PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO EACH PROJECTOR AND LCD ON THE ENTIRE PROJECT.
21. PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO THE LOCAL AIR UNIT CONTROLLER IN EACH MDF AND IDF.
22. PROVIDE AND INSTALL ONE (1) CATEGORY 6 DATA CABLE TO EACH ACCESS CONTROL VIDEO DOOR STATION ON THE ENTIRE PROJECT. COORDINATE EXACT LOCATION AND TERMINATION REQUIREMENTS WITH THE DOOR STATION INSTALLER, PRIOR TO INSTALLATION. 22.

SECURITY GENERAL NOTES

1. THE SECURITY SYSTEM INSTALLERS SHALL BE RESPONSIBLE FOR CONNECTING ALL APPLICABLE SYSTEM EQUIPMENT TO THE OWNER'S NETWORK.
2. HE SYSTEM INSTALLER SHALL PROPERLY SUPPORT ALL INSTALLED SYSTEM CABLING FROM AN APPROVED CABLE SUPPORT SYSTEM AS DETAILED IN SPECIFICATIONS. NO CABLING SHALL BE ROUTED AND TIED DIRECTLY TO BUILDING STEEL, CEILING GRID SUPPORT, CONDUIT, PIPING, OR DUCTWORK. THE CABLE SUPPORT SYSTEM SHALL BE DIRECTLY CONNECTED TO THE BUILDING'S STEEL JOIST. AT LOCATIONS WHERE THE BOTTOM OF THE JOIST IS MORE THAN 5' ABOVE THE CEILING, THE SYSTEM INSTALLER SHALL PROVIDE AND INSTALL THREADED ROD AND ALL REQUIRED MATERIALS TO CONNECT THE THREADED ROD TO THE BUILDING STEEL AND THE CABLE SUPPORT SYSTEM TO THE THREADED ROD. CABLE PATHWAY SHALL NOT BE HIGHER THAN 5



TECHNOLOGY KEYED NOTES

T2.1 APPROXIMATE LOCATION OF BUILDING JANITOR CLOSET WITH VERTICAL MOUNTED NETWORK ENCLOSURE.

T2.5 APPROXIMATE PATHWAY OF INTERNET SERVICE PROVIDER ENTRANCE. PROVIDE TWO (2) 4-INCH UNDERGROUND CONDUITS WITH 1800 LB TESTED PULL CORD IN EACH FOR COMMUNICATIONS SERVICES.

1 **TECHNOLOGY SITE PLAN**
1" = 30'-0"

BURDINE LandPlace

310 Longmire Road
Conroe, TX 77304

105 N. Main Street, Suite 123
Bryan, TX

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ISSUANCE:

CONSTRUCTION DOCUMENTS 60%

10/14/2025

SEAL:

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10/14/2025
BRENT MOE, P.E.
TEXAS # 117260

DBR
713.914.0888 p
https://www.dbrinc.com
Firm Registration No. 2234
DBR Project # 250286.000

RA	AR	IO	JL/TN	AC/LG

CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

TECHNOLOGY SITE PLAN

T2.32

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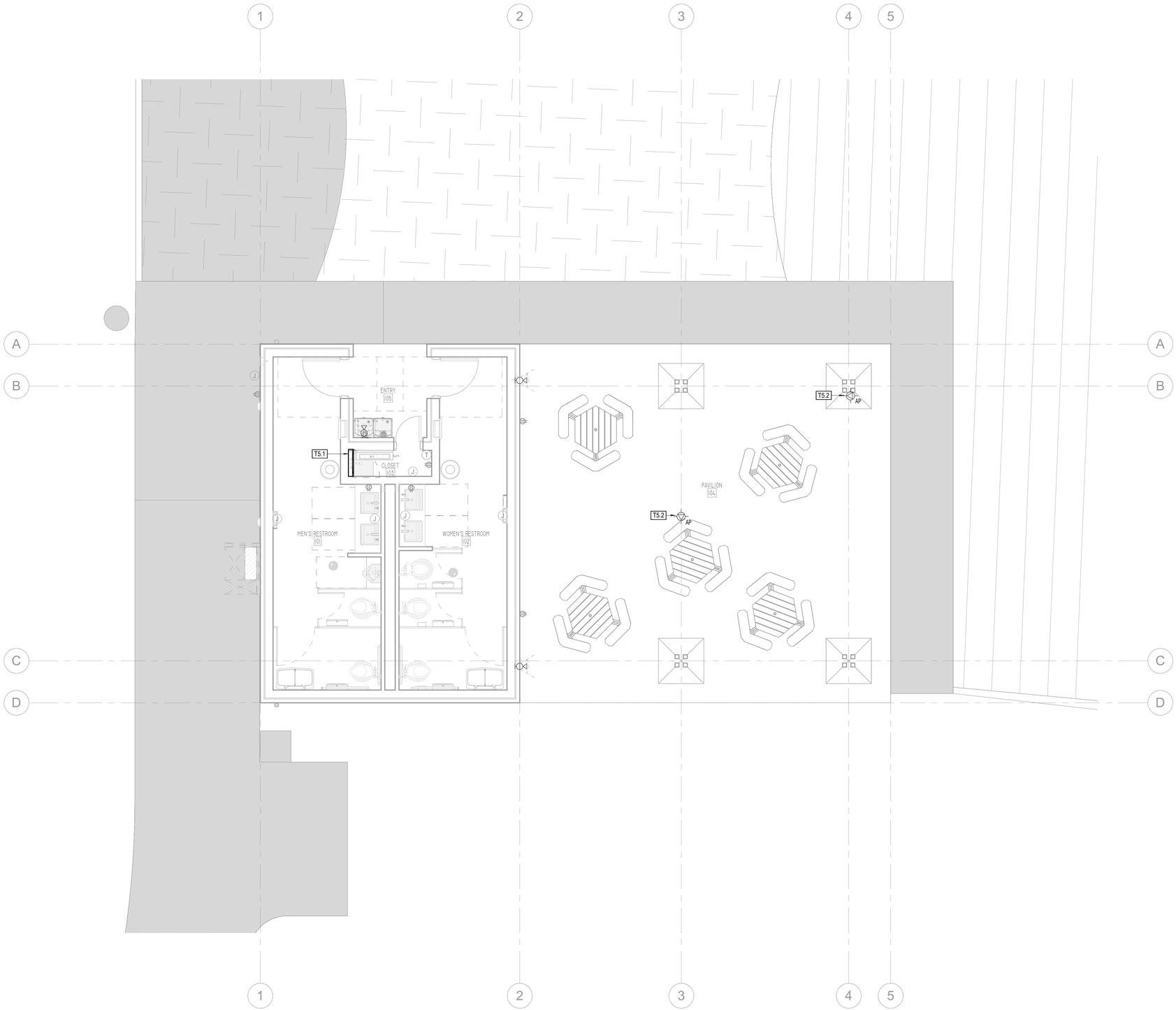

1 TECHNOLOGY PLAN LEVEL 1

1/4" = 1'-0"

TECHNOLOGY KEYED NOTES

T5.1 LOCATION OF OFOI SHALLOW DEPTH VERTICAL MOUNTING NETWORK ENCLOSURE TO BE MOUNTED ABOVE SINK IN JANITOR CLOSET.

T5.2 WIRELESS ACCESS POINTS TO BE MOUNTED TO PAVILION STRUCTURE.

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CITY OF ANGLETON

ABIGAIL ARIAS PARK

PROJECT NO. | 1514.003

301 CEMETERY ROAD, TEXAS 77515

DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

TECHNOLOGY ENLARGED PLAN

T3.01

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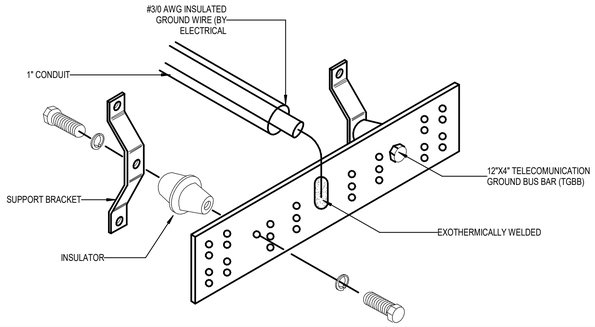
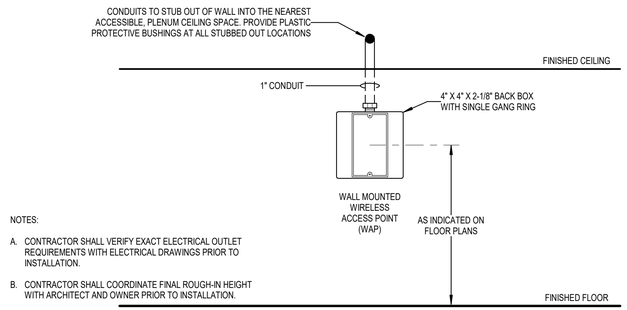


1 TELECOMMUNICATIONS ROOM GROUNDING AND BONDING BUS BAR

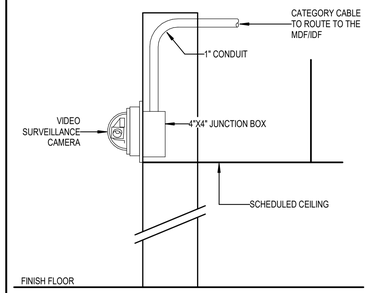


NOTES:

A. CONTRACTOR SHALL VERIFY EXACT ELECTRICAL OUTLET REQUIREMENTS WITH ELECTRICAL DRAWINGS PRIOR TO INSTALLATION.

B. CONTRACTOR SHALL COORDINATE FINAL ROUGH-IN HEIGHT WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

2 WALL-MOUNTED WIRELESS ACCESS POINT



3 INTERIOR WALL-MOUNT CAMERA

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CITY OF ANGLETON

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PROJECT NO. | 1514.003

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DESIGN | Designer
DRAW | DBR
CHECK | DBR

ISSUANCES & REVISIONS

NO.	DESCRIPTION	DATE

TECHNOLOGY DETAILS

T6.01

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Priliminary Opinion of Probable Costs (OPC)
CONSTRUCTION DOCUMENTS 60%

#	Item / Description	Qty	Unit	Unit Rate	Owner Provided	*Contractor Provided*
1	**General Requirements**					**$ 206,250**
	Mobilization, Demobilization & Maintenance	1	ls	3.5%		$ 96,250
	Bonds & Insurance	1	ls	3%		$ 82,500
	Traffic Control, Surveying, Safety Plan	1	ls	1%		$ 27,500
2	**Demolition/Preservation**				**$ 20,000**	
	Demolition, Clearing & Tree Removal	1	ls	$ 20,000	$ 20,000	
3	**Grading, Drainage & Utilities**					**$ 112,379**
	Mass Grading, Site Work, & Erosion Control	40125	sf	$ 0.50		$ 22,069
	Misc. Utilities/Water/Sewer	1	ls	2%		$ 55,000
	Storm, Piping, Inlets Etc.	40125	sf	$ 0.80		$ 35,310
4	**Site Paving Infrastructure**					**$ 485,437**
	Parking Drives 8" Concrete	14,043	sf	$ 12.00		$ 185,368
	Parking Stalls (35 sp)	6,480	sf	$ 9.00		$ 64,152
	Parking Curbs, Striping & Ramps	1	ls	$ 60,645		$ 66,710
	Sidewalk Culverts	60	lf	$ 120		$ 7,920
	Sidewalks	3,000	sf	$ 7.50		$ 24,750
	Loop Trail	16,550	sf	$ 7.50		$ 136,538
5	**Site Lighting**					**$ 78,100**
	Site Electrical Service Allowance	1	ls	$ 30,000		$ 33,000
	Site Lighting	2	ea	$ 6,500		$ 14,300
	Parking Lot Lighting	4	ea	$ 7,000		$ 30,800
6	**Architecture**					**$ 449,136**
	Family Restroom/Pavilion	1	ea	$ 408,306		$ 449,136
7	**Site Paving & Hardscapes**				**$ 32,000**	
	Dumpster Enclosure	1	ea	$ 9,000	$ 9,000	
	Monument Sign	1	ea	$ 23,000	$ 23,000	
8	**Site Furnishings**				**$ 35,754**	
	Site Furniture	1	ls	$ 35,754	$ 35,754	
9	**Playground Furnishings**				**$ 1,100,675**	
	Playground	1	quote	$ 248,759	$ 248,759	
	Splash Park	1	quote	$ 536,915	$ 536,915	
	Artificial Turf Berm	1	allow	$ 100,000	$ 100,000	
	PIP surface Alt.	1	allow	$ 215,000	$ 215,000	
10	**Softscapes**					**$ 98,690**
	Trees (Donated)	1	allow	$ -		$ -
	Shrubs/Groundcover	1	ls	$ 1,950		$ 2,145
	Sod/Hydroseed/Wildflower Seed	1	ls	$ 38,001		$ 41,801
	Irrigation	1	ls	$ 49,767		$ 54,744
	Subtotal				**$ 1,188,428**	**$ 1,429,991**
	General Conditions	1	allow	7.5%		$ 107,249
	Design Contingency	1	allow	5%		$ 76,862
	Subtotal Project Cost				**$ 1,188,428**	**$ 1,614,103**
	Project Construction Total				***$***	***2,802,531***

PROJECT SCHEDULE - TASKS

Key Activities	Responsible Party	Duration (wks)	Due Week of*
Contract Award	City	-	11/18/2024
Phase I-Schematic Design Kickoff	Burditt/City	-	12/16/2024
Initiate Topo Survey	City	-	12/16/2024
Pre-Development Meeting w/ DAWG	Burditt/City	-	1/8/2025
Parks Board Visioning Workshop	Burditt	-	1/13/2025
Deliver Preliminary Schematic Design	Burditt	3 wks	2/3/2025
City Comments to Buditt	City	1 wks	2/10/2025
Receive Topo Survey	City	8 wks	2/10/2025
Public Stakeholder Meeting	Burditt/City		2/11/2025
Parks Board Presentation	Burditt/City		3/4/2025
Council Meeting Presentation	Burditt/City		3/18/2025
Project Overview	Burditt/City		3/20/2025
Parks Board - Final Design/OPC Presentation	Burditt	4 wks	4/14/2025
Council - Final Design/OPC Presentation	Burditt	5 wks	5/13/2025
SD Phase Complete	**Burditt**	**22 wks**	**5/13/2025**
Parks Board - Marketing/Renders Presentation	Burditt	5 wks	6/9/2025
Council - Marketing/Renders Presentation	Burditt	1 wks	6/12/2025
Marketing Phase Complete	**Burditt**	**5 wks**	**6/12/2025**
Phase II - Design Development Kickoff	Burditt/City	-	4/14/2025
Receive Geotech Survey	City	8 wks	6/9/2025
Deliver 50% DD Documents for Review	Burditt	9 wks	6/10/2025
City Comments (50% DD) to Burditt	City	1 wks	6/17/2025
Deliver 90% DD Documents for Review	Burditt	5 wks	7/22/2025
City Comments (90% DD) to Burditt	City	1 wks	7/29/2025
Deliver 100% DD Documents for Review	Burditt	3 wks	8/19/2025
City Comments (100% DD) to Burditt	City	1 wks	8/26/2025
DD Phase Complete	**Burditt**	**20 wks**	**8/26/2025**
Phase III - Construction Document Kickoff	Burditt/City	-	8/26/2025
Deliver 60% CD Documents for Review	Burditt	7 wks	10/14/2025
City Comments (60% CD) to Burditt	City	1 wks	10/21/2025
Deliver 90% CD Documents for Review	Burditt	3 wks	11/11/2025
City Comments (90% CD) to Burditt	City	1 wks	11/18/2025
Deliver (100% CD) Issue for Permit Review	Burditt	3 wks	12/9/2025
City Comments (100% CD) to Burditt & Issue for Permit	City	1 wks	12/16/2025
CD Phase Complete	**Burditt**	**16 wks**	**12/16/2025**
Phase IV - Bidding Support Kickoff	City/Burditt		1/5/2026
Deliver Project Manual for Review	Burditt	0 wks	12/9/2025
City Comments (Project Manual) to Burditt	City	1 wks	12/16/2025
Advertise Bid Package	City	3 wks	1/5/2026
Conduct Pre-Bid Mtg	City/Burditt	1 wks	1/12/2026
Second Bid Advertisement	City	1 wks	1/12/2026
Receive Bids	City	3 wks	1/26/2026
Evaluate Bids & Make Recommendations to City	Burditt	1 wks	2/2/2026
Select Contractor	City	1 wks	2/9/2026
Approve Construction Contract	City	2 wks	2/23/2026
Construction Contract NTP	City	3 wks	3/16/2026
Bidding Support Phase Complete	**City/Burditt**	**10 wks**	**3/16/2026**

* Prefered day of the week for submittals to be coordinated with client.

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Otis T. Spriggs, AICP, Development Services Director

AGENDA CONTENT: Discussion and possible action to consider the Angleton Estuary LLC Petition for Release of an Area from a Municipality's Extraterritorial Jurisdiction (ETJ), being a tract containing 107.483 acres of land located in John W. Cloud League, A-169 & the J.DE J. Valderas Survey, A-380, Brazoria County, Texas out of a 338.705 acre tract recorded in C.C.F. No. 2004075629, O.R.B.C.T. Pursuant to the provisions of Subchapter D, Chapter 42 of the Texas Local Government Code.

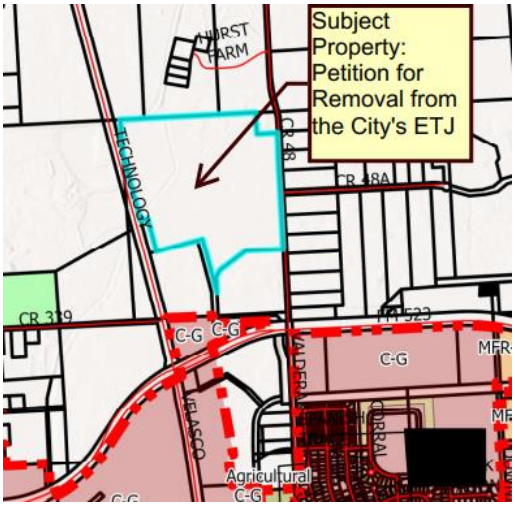
AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: None **FUNDS REQUESTED:** None

FUND: None

EXECUTIVE SUMMARY:

EXECUTIVE SUMMARY. This is a request for approval of a petition filed originally on December 16, 2024, requesting release of approximately 107.483 acres of land from the extraterritorial jurisdiction (ETJ) of the City of Angleton enabled by new legislation known as Senate Bill 2038. The request is from the owners of the property, Angleton Estuary LLC.



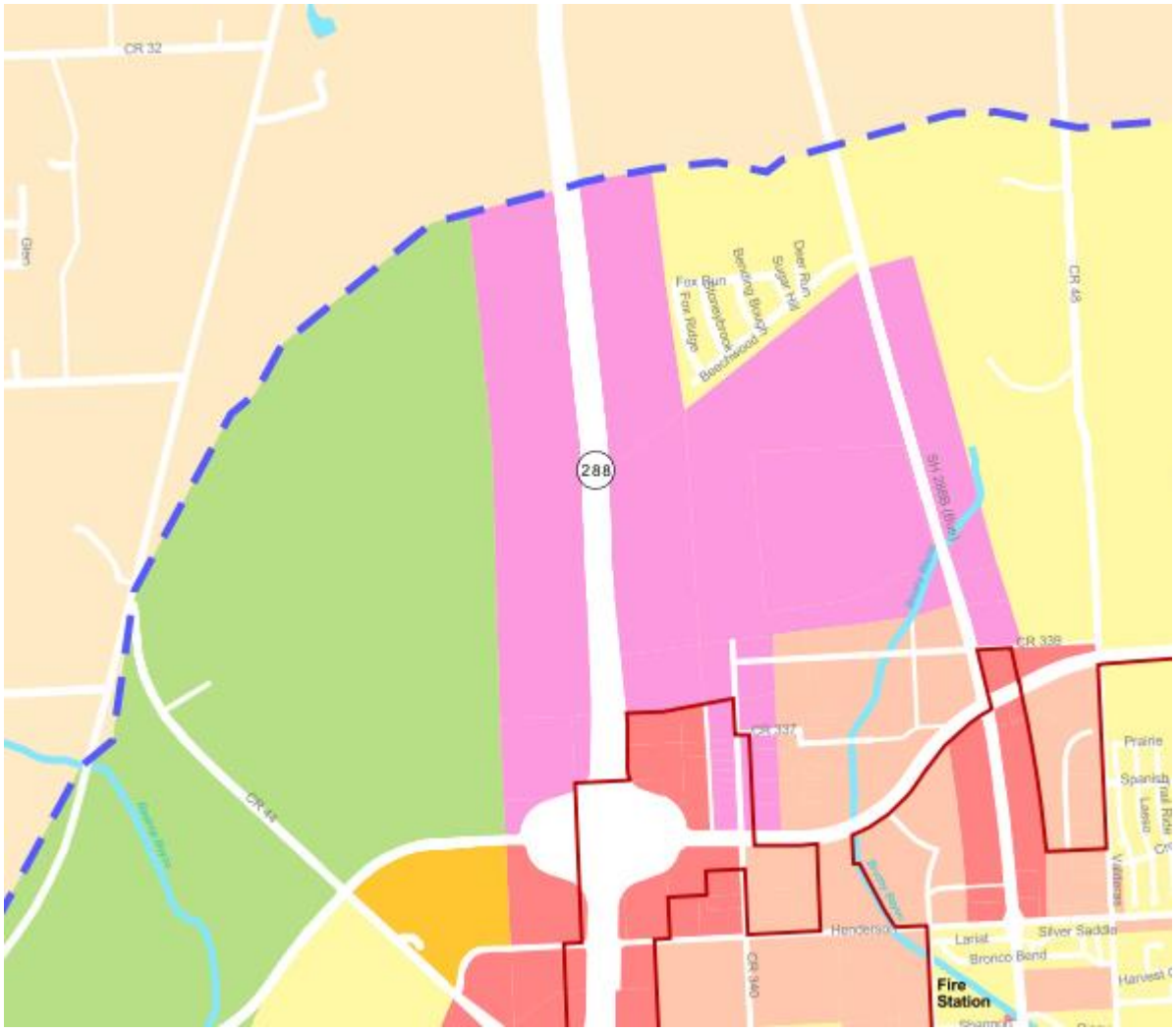
BACKGROUND:

Enacted state law allows landowners or residents to submit a written petition to a city to release their property from the city's extraterritorial jurisdiction (ETJ). In the 88th (Regular) Texas legislative session, Senate Bill 2038 was passed and is effective as of September 1, 2023. The newly enacted Local Government Code, Chapter 42, Subchapters D and E codified and established a petition and election process for releasing property from a city's ETJ.

Comprehensive Plan/Land Use Plan:

Staff has reviewed the property status that is subject to this petition for ETJ removal, as it relates to the long-range Comprehensive Land Use Plan. As shown below, the land use plan recognized this study area as a commercial node/gateway into the City

that recommends Industrial and Commercial uses along the SH288-B corridor. While this property lies within a distance of approximately 390 ft. to the City Limits line, its removal could affect the core planning consistency for that region. An appropriate mix of both commercial and industrial uses are recommended for this area with good access to highways and major arterials.



City Council voted to deny this request on January 28, 2028, of the petition requesting removal from the Extraterritorial Jurisdiction. If no action is taken, the removal is automatically approved by operation of law.

Recommendation. City Council is asked to review and reconsider a denial (January 28, 2028) of the petition requesting removal from the Extraterritorial Jurisdiction of the City of Angleton, Texas for property totaling approximately 107.483 acres of land located on the east side of SH 288B, north of the intersection of FM523 and SH288.

City of Angleton
City Secretary's Office
DEC 16 2024
Received by

MULLER
LAW GROUP
A PROFESSIONAL LIMITED LIABILITY COMPANY

202 Century Square Blvd. | Sugar Land, TX 77478 | 281.500.6050

Direct Line: (281) 500-4682
Direct Fax: (281) 277-8207
Marcus@MullerLawGroup.com
Marcus D. Spencer
Attorney

December 13, 2024

Via FedEx

Ms. Michelle Perez, TRMC
City Secretary
City of Angleton, Texas
121 S. Velasco
Angleton, Texas 77515

Re: Petition for Release of Land from Extraterritorial Jurisdiction

Ms. Perez:

Enclosed please find an original Petition for the Release of Land from the Extraterritorial Jurisdiction of the City of Angleton filed pursuant to Texas Local Government Code Section 42.102 by Angleton Estuary, LLC for consideration by the City Council.

Should you have any questions or require further information, please contact me at (281) 500-4682. Thank you for your assistance.

Sincerely,

Marcus D. Spencer

Marcus D. Spencer
Attorney

Enclosures

PETITION FOR RELEASE OF LAND FROM EXTRATERRITORIAL JURISDICTION

TO THE HONORABLE MAYOR AND CITY COUNCILMEMBERS OF THE CITY OF ANGLETON, TEXAS:

Angleton Estuary, LLC ("**Petitioner**"), submits this petition to the governing body of the City of Angleton, Texas ("**City**") in support of the release of the Property, as defined and described herein, from the City's extraterritorial jurisdiction ("**ETJ**"), and would show the following:

Section 1. The property, as described by metes and bounds attached hereto as Exhibit A and as shown on the map attached hereto as Exhibit B, both incorporated herein for all purposes ("**Property**"), is located within the City's ETJ.

Section 2. Petitioner (a) is the sole owner of title to all of the land within the Property or (b) owns the majority in value of the Property, as indicated by the current tax rolls of Brazoria County Appraisal District.

Section 3. As of the date of this Petition, the Property (i) is not within five miles of the boundary of a military base, as defined in Section 43.0117, Texas Local Government Code, at which an active training program is conducted (ii) is not within an area designated as an industrial district under Section 42.004, Texas Local Government Code, and (iii) is not in an area subject to a strategic partnership agreement with the City under Section 43.0751, Texas Local Government Code.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by Subchapter D, Chapter 42, Local Government Code, that it be verified by the City Secretary, and that the Property be immediately released from the City's ETJ. If the governing body of the City fails to take formal action to release the Property from the ETJ within the timeframes set forth in Section 42.105(d), Texas Local Government Code, the Property shall be deemed to be released by operation of law on the later to occur of (i) the 45th day after the date this Petition was duly filed with the City or (ii) the next meeting of the governing body of the City after the 30th day after the date this Petition was duly filed with the City.

[Execution page follows.]

RESPECTFULLY EXECUTED this 6 day of December, 2024.

Angleton Estuary, LLC,
a Texas limited liability company

By: _____

Name: Michael Chapman

Title: President

DOB or Voter Registration No.: 1102254358

Residential Address: 11214 Tynewood Dr.
Piney Point, TX. 77024

Exhibit A

Legal Description of the Property

DESCRIPTION OF 107.483 ACRE TRACT

BEING A 107.483 ACRE TRACT OF LAND IN THE JOSE DE JESUS VALDERAS SURVEY, ABSTRACT NO. 380 AND IN THE JOHN W. CLOUD LEAGUE, ABSTRACT NO. 169, BRAZORIA COUNTY, TEXAS, SAID 107.483 ACRE TRACT BEING A PORTION OF A CALLED 338.705 ACRE TRACT CONVEYED TO SUGAR CREEK BAPTIST CHURCH FROM INTERMEDICS, INC. BY DEED RECORDED UNDER COUNTY CLERKS FILE NO. 2004075629 OF THE OFFICIAL RECORDS OF BRAZORIA COUNTY, TEXAS (O.R.B.C.T.), SAID 107.483 ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a concrete right-of-way (R.O.W.) monument found at the intersection of the west R.O.W. line of County Road 48 (80 feet width) with the north R.O.W. line of F.M. Highway 523 (200 feet width); the north R.O.W. line of F.M. Highway 523 being a curve to the left having a radius of 2,100.00 feet;

THENCE, in a westerly direction, along the south line of the herein described tract and the north R.O.W. line of F.M. Highway 523, along said curve to the left having a radius of 2,100.00 feet, a central angle of 01° 09' 37", an arc distance of 42.53 feet, and a chord bearing and distance of S 88° 32' 56" W and 42.53 feet to a 1/2-inch iron rod found at the southeast corner of a 4.866 acre tract conveyed to Angleton Drainage District from Sulzermedica USA, Inc. by Gift Deed dated April 12, 1996 and recorded under County Clerk's File No. 96-013461 of the O.R.B.C.T.;

THENCE N 38° 54' 08" W along the most easterly east line of said 4.866 acre tract, a distance of 209.59 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the most easterly northeast corner of said 4.866 acre tract;

THENCE N 89° 54' 00" W along the most easterly north line of said 4.866 acre tract, a distance of 855.96 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking an interior corner of said 4.866 acre tract;

THENCE N 00° 05' 07" W along an east line of said 4.866 acre tract, a distance of 7.01 feet to a 1/2-inch iron rod found marking the southwest corner of a 20.00 acre tract conveyed to Angleton Independent School District from Intermedics, Inc. by Special Warranty Deed dated March 7, 1990 and recorded in Volume (90)822, Page 573 of the O.R.B.C.T.; said corner being on the north line of a platted 50 foot road (unimproved) according the plat recorded in Volume 78, Page 573 of the Deed Records of Brizoria County, Texas (D.R.B.C.T.);

THENCE N 89° 58' 35" E along the south line of said 20.00 acre tract and the north line of said 50 foot platted road, a distance of 1,029.85 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the southeast corner of said 20.00 acre tract; same being on the west R.O.W. line of County Road 48;

THENCE N 00° 05' 07" W along the east line of said 20.00 acre tract and the west R.O.W. line of County Road 48, a distance of 920.00 feet to a 1/2-inch iron rod found marking the northeast corner of said 20.00 acre tract;

THENCE S 89° 58' 35" W along the north line of said 20.00 acre tract, a distance of 340.46 feet to a 5/8-inch iron rod found marking the point of curvature of a tangent curve to the left having a radius of 820.00 feet;

THENCE in a southwesterly direction, continuing along the north line of said 20.00 acre tract, along said curve to the left having a radius of 820.00 feet, a central angle of 50° 04' 02", an arc distance of 716.55 feet, and a chord bearing and distance of S 64° 56' 34" W and 693.97 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the point of tangency of said curve;

THENCE S 39° 54' 33" W along the northwest line of said 20.00 acre tract, a distance of 93.82 feet to a 1/2-inch iron rod found marking the northwest corner of said 20.00 acre tract;

THENCE S 00° 05' 07" E along the west line of said 20.00 acre tract, a distance of 176.64 feet to a 1/2-inch iron rod found marking a corner at an angle point on the east line of said 4.866 acre tract;

THENCE N 12° 18' 42" W along the east line of said 4.866 acre tract, a distance of 825.06 feet to a 1/2-inch iron rod found marking the northeast corner of said 4.866 acre tract;

THENCE S 77° 41' 18" W along the north line of said 4.866 acre tract, a distance of 80.00 feet to a 1/2-inch iron rod found marking the northwest corner of said 4.866 acre tract; same being the northeast corner of an 18.908 acre tract conveyed to Benchmark Electronics, Inc. from Intermedics Inc. by warranty deed dated January 21, 1994 and recorded under County Clerk's File No. 94-002599 of the O.R.B.C.T.;

THENCE S 77° 41' 18" W along the north line of said 18.908 acre tract, a distance of 753.60 feet to a 1/2-inch iron rod found marking the northwest corner of said 18.908 acre tract; same being on the east R.O.W. line of B.S. Highway 288B;

THENCE N 12°18'42" W along the east R.O.W. of B.S. Highway 288B, at 2,014.76 feet passing a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found in the centerline of the Angleton Protection Levee, continuing a total distance of 2,059.76 feet to a point in a ditch on the south boundary line of the Shubal Marsh Survey, abstracts 81 and 82, and the north line of said John W. Cloud League for the northwest corner of the herein described tract

THENCE N 89° 54' 54" E along said ditch and the north line of said John W. Cloud League, the south line of said Shubael Marsh Surve, at approximately 450 feet depart said ditch, and continuing for a total distance of 2,165.47 feet to a 1/2-inch iron rod found marking the northeast corner of the herein described tract; same being the northwest corner of a 2.50 acre tract conveyed to Elsie Avitts from Paul O'Farrell by deed dated October 6, 1999 and recorded under County Clerk's File No. 99-045808 of the O.R.B.C.T.; a bent one and 1/4-inch iron pipe found marking the southeast corner of the Morris Stern Survey, Abstract No. 734 bears N 89° 54' 54" E, 207.30 feet;

THENCE S 00° 05' 07" E along a northerly east line of said 338.705 acre tract and the west line of said 2.50 acre tract, a distance of 330.00 feet to a 1/2-inch iron rod found marking the southwest corner of said 2.50 acre tract;

THENCE N 89° 54' 54" E along a south line of said 2.50 acre tract, at 290.00 feet pass a 1/2-inch iron rod found on the west R.O.W. line of County Road 48, and continuing for a total distance of 330.00 feet to a point for a corner of the herein described tract at the centerline of County Road 48;

THENCE S 00° 05' 07" E along the east line of the herein described tract the same being the centerline of County Road 48, a distance of 2,862.47 feet to a point for the southeast corner of the herein described tract;

THENCE N 89° 58' 32" W along the south line of the herein described tract, a distance of 6.81 feet to a point for the point of curvature of a curve to the left having a radius of 2,100.00 feet;

THENCE in a westerly direction, along the south line of the herein described tract, along said curve to the left having a radius of 2,100.00 feet, a central angle of 00° 54' 20", an arc distance of 33.19 feet, and a chord bearing and distance of S 89° 33' 45" W and 33.19 feet to the POINT OF BEGINNING and containing 107.483 acres (or 4,681,959.48 square feet) of land. The herein described 107.483 acre tract includes 2.629 acres within the R.O.W. of County Road 48 leaving a net area of 104.854 acres of land. This description is based on a survey performed on the ground by Baker & Lawson, Inc. and is prepared along with a survey plat of the property surveyed.

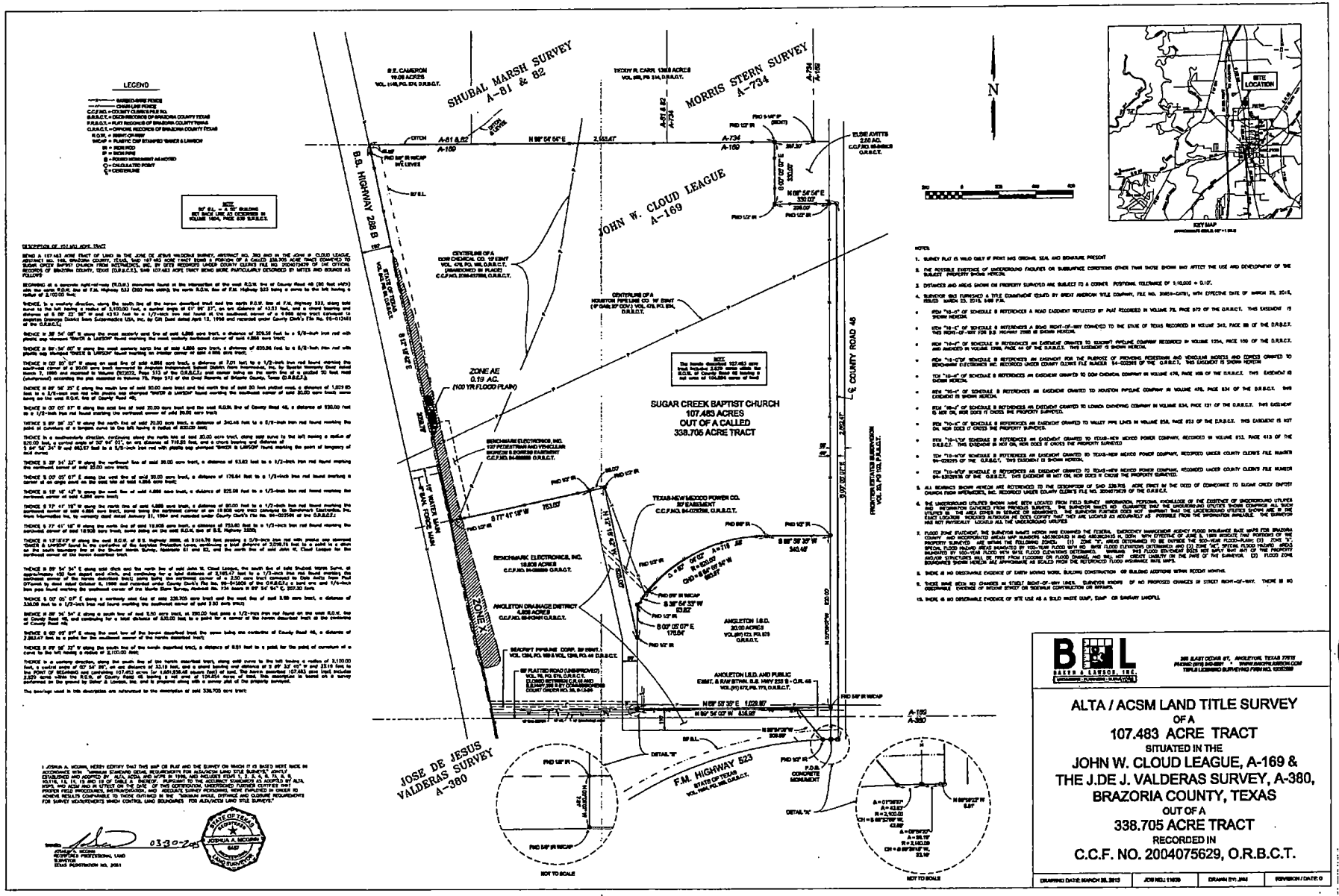
The bearings used in this description are referenced to the description of said 338.705 acre tract;

3-26-2015

STATE OF TEXAS
REGISTERED
JOSHUA A. MCGINN
6467
PROFESSIONAL
LAND SURVEYOR

Joshua A. McGinn
Registered Professional
Land Surveyor # 6467

Baker & Lawson Inc.
E. 300 Cedar
Angleton, TX 77515
TBPLS# 10052500



LEGEND

—S— BARBED WIRE FENCE
—//— CHAIN LINK FENCE
C.C.F.NO. = COUNTY CLERK'S FILE NO.
B.R.B.C.T. = DEED RECORDS OF BRAZORIA COUNTY, TEXAS
P.R.B.C.T. = PLAT RECORDS OF BRAZORIA COUNTY, TEXAS
O.R.B.C.T. = OFFICIAL RECORDS OF BRAZORIA COUNTY, TEXAS
R.O.W. = RIGHT-OF-WAY
"BCAD" = PLASTIC CAP STAMPED "BAKER & LAWSON"
IR = IRON ROD
IP = IRON PIPE
() = FOUND MONUMENT AS NOTED
○ = CALCULATED POINT
℄ = CENTERLINE

NOTE
30' B.L. & 5' U/E BUILDING
SET BACK LINE AS DESCRIBED IN
VOLUME 1604, PAGE 639 B.R.B.C.T.

DESCRIPTION OF 107.483 ACRE TRACT

BEING A 107.483 ACRE TRACT OF LAND IN THE JOHN W. CLOUD LEAGUE, ABSTRACT NO. 169, AND IN THE JOHN W. CLOUD LEAGUE, ABSTRACT NO. 169, BRAZORIA COUNTY, TEXAS, SAID 107.483 ACRE TRACT BEING A PORTION OF A CALLED 338.705 ACRE TRACT CONVEYED TO SUGAR CREEK BAPTIST CHURCH FROM INTERNATIONAL INC. BY DEED RECORDED UNDER COUNTY CLERK'S FILE NO. 2004075629 OF THE OFFICIAL RECORDS OF BRAZORIA COUNTY, TEXAS (O.R.B.C.T.), SAID 107.483 ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a concrete right-of-way (R.O.W.) monument found at the intersection of the west R.O.W. line of County Road 48 (80 feet width) with the north R.O.W. line of F.M. Highway 523 (200 feet width), the north R.O.W. line of F.M. Highway 523 being a curve to the left having a radius of 2,100.00 feet;

THENCE, in a westerly direction, along the north line of the herein described tract and the north R.O.W. line of F.M. Highway 523, along said curve to the left having a radius of 2,100.00 feet, a central angle of 01° 09' 27", an arc distance of 42.03 feet, and a chord bearing and distance of S. 88° 32' 56" W and 42.03 feet to a 1/2-inch iron rod found at the southeast corner of a 1.998 acre tract conveyed to Angleton Drainage District from Subdivisions USA, Inc. by CR Deed dated April 12, 1998 and recorded under County Clerk's File No. 98-013481 of the O.R.B.C.T.;

THENCE, N 89° 04' 08" W along the said northerly and the north R.O.W. line of said 4.998 acre tract, a distance of 209.54 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the most westerly southeast corner of said 4.998 acre tract;

THENCE, N 89° 04' 07" W along the said north line of said 4.998 acre tract, a distance of 670.84 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking an inside corner of said 4.998 acre tract;

THENCE, N 00° 55' 53" E along an east line of said 4.998 acre tract, a distance of 7.01 feet to a 1/2-inch iron rod found marking the most east corner of a 20.00 acre tract conveyed to Angleton Independent School District from International, Inc. by Special Warranty Deed recorded under County Clerk's File No. 1999-033222, Page 573 of the O.R.B.C.T. and corrected by Volume 76, Page 372 of the Deed Records of Brazoria County, Texas (D.R.B.C.T.);

THENCE, N 89° 04' 07" E along the said north line of said 20.00 acre tract and the north line of said 20 foot platted road, a distance of 1,329.85 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the southeast corner of said 20.00 acre tract, same being an ell corner of County Road 48;

THENCE, S 00° 05' 57" E along the said east line of said 20.00 acre tract and the said R.O.W. line of County Road 48, a distance of 730.00 feet to a 1/2-inch iron rod found marking the northeast corner of said 29.82 acre tract;

THENCE, S 89° 39' 33" W along the said north line of said 29.82 acre tract, a distance of 340.46 feet to a 5/8-inch iron rod found marking the point of curvature of a tangent curve to the left having a radius of 833.00 feet;

THENCE in a southwesterly direction, continuing along the said north line of said 29.82 acre tract, along said curve to the left having a radius of 833.00 feet, a central angle of 30° 44' 01", an arc distance of 718.81 feet, and a chord bearing and distance of S 74° 52' 34" W and 710.57 feet to a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found marking the point of tangency of said curve;

THENCE, S 39° 30' 33" W along the northwest line of said 29.82 acre tract, a distance of 53.82 feet to a 1/2-inch iron rod found marking the northeast corner of said 20.00 acre tract;

THENCE, S 00° 05' 07" E along the west line of said 20.00 acre tract, a distance of 176.64 feet to a 1/2-inch iron rod found marking a corner of an angle point on the west line of said 4.998 acre tract;

THENCE, S 13° 16' 12" W along the said line of said 4.998 acre tract, a distance of 225.08 feet to a 1/2-inch iron rod found marking the northeast corner of said 4.998 acre tract;

THENCE, S 13° 41' 12" W along the west line of said 4.998 acre tract, a distance of 80.00 feet to a 1/2-inch iron rod found marking the northwest corner of said 4.998 acre tract, same being a corner of an 18.626 acre tract conveyed to Benchmark Electronics, Inc. from International Inc. by warranty deed dated January 31, 1984 and recorded under County Clerk's File No. 84-007504 of the O.R.B.C.T.;

THENCE, S 13° 41' 12" W along the west line of said 18.626 acre tract, a distance of 753.00 feet to a 1/2-inch iron rod found marking the northeast corner of said 4.606 acre tract, same being on the said R.O.W. line of S.B. Highway 288B;

THENCE, N 13°16'48" W along the said R.O.W. of S.B. Highway 288B, at 3.04 ft. pass passing a 5/8-inch iron rod with plastic cap stamped "BAKER & LAWSON" found in the northeastern of the Angleton Prevention Levee, continuing in all a total distance of 2,016.76 feet to a point in a pond on the south boundary line of the Shubal Marsh Survey, Abstract 81 and 82, and the south line of said John W. Cloud League for the northwest corner of said tract;

THENCE, N 89° 54' 56" E along said ditch and the north line of said John W. Cloud League, the south line of said Shubal Marsh Survey, at approximately 400' pass a 5/8-inch iron rod found marking the southwest corner of a called 2,145.47 feet to a 1/2-inch iron rod found marking the southwest corner of the herein described tract, said point being the northwest corner of a 1.000 acre tract conveyed to Elsie Avitts from Elsie Avitts, et al, by warranty deed dated January 31, 1984 and recorded under County Clerk's File No. 84-041605 of the O.R.B.C.T., a point and 1/4-inch iron pipe found marking the southeast corner of the Morris Stern Survey, Abstract No. 734 bears N 89° 54' 56" E, 397.30 feet;

THENCE, S 00° 05' 07" E along the said east line of said 338.705 acre tract and the west line of said 1.00 acre tract, a distance of 330.00 feet to a 1/2-inch iron rod found marking the southwest corner of said 2.00 acre tract;

THENCE, N 89° 54' 56" E along a south line of said 2.00 acre tract, at 290.00 feet pass a 1/2-inch iron rod found on the west R.O.W. line of County Road 48, and continuing for a total distance of 330.00 feet to a point for a corner of the herein described tract on the centerline of County Road 48;

THENCE, S 00° 05' 07" E along the said east line of the herein described tract, the same being the centerline of County Road 48, a distance of 2,353.47 feet to a point for an southeast corner of the herein described tract;

THENCE, S 89° 39' 33" W along the south line of the herein described tract, a distance of 8.81 feet to a point for the point of curvature of a curve to the left having a radius of 2,100.00 feet;

THENCE in a westerly direction, along the south line of the herein described tract, along said curve to the left having a radius of 2,100.00 feet, a central angle of 02° 30' 59", an arc distance of 33.19 feet, and a chord bearing and distance of S 89° 37' 49" W and 33.19 feet to the POINT OF BEGINNING of the herein described tract containing 107.483 acres (or 4,681,256.40 square feet) of land, the said herein described 107.483 acre tract includes 2.325 acres within the R.O.W. of County Road 48 having a net area of 1,04,654 square of land, this description is based on a survey performed on the ground by Joshua A. Mcowin, Inc. and is prepared along with a survey plat of the property surveyed.

The bearings used in this description are referenced to the description of said 338.705 acre tract.

I JOSHUA A. MCOWIN, HEREBY CERTIFY that I HAVE MET OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA, ACSM, AND NSPS IN 2016, AND INCLUDES ITEMS 1, 2, 3, 4, 6, 7a, 8, 9, 10, 11a, 13, 16, 17, 18, AND 19 OF TABLE A THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA, NSPS, AND ACSM AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT PROPER FIELD PROCEDURES, INSTRUMENTATION, AND ADEQUATE SURVEY PERSONNEL WERE EMPLOYED IN ORDER TO ACHIEVE RESULTS COMPARABLE TO THOSE OUTLINED IN THE "MINIMUM ANGLE, DISTANCE AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND TITLE SURVEYS."

Joshua A. Mcowin 03-30-22
JOSHUA A. MCOWIN
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6457

STATE OF TEXAS
REGISTERED
JOSHUA A. MCOWIN
6457
LAND SURVEYOR

NOTES:

1. SURVEY PLAT IS VALID ONLY IF PRINT HAS ORIGINAL SEAL AND SIGNATURE PRESENT
2. THE POSSIBLE EXISTENCE OF UNDERGROUND FACILITIES OR SUBSURFACE CONDITIONS OTHER THAN THOSE SHOWN AND AFFECT THE USE AND DEVELOPMENT OF THE SUBJECT PROPERTY SHOWN HEREON.
3. DISTANCES AND AREAS SHOWN ON PROPERTY SURVEYED ARE SUBJECT TO A CORNER POSITIONAL TOLERANCE OF 1:10,000 + 0.10'.
4. SURVEYOR WAS FURNISHED A TITLE COMMITMENT ISSUED BY GREAT AMERICAN TITLE COMPANY, FILE NO. 39851-04781, WITH EFFECTIVE DATE OF MARCH 25, 2019, ISSUED MARCH 23, 2019, 8:00 P.M.
   - ITEM "10-A" OF SCHEDULE B REFERENCED A ROAD EASEMENT REFLECTED BY PLAT RECORDED IN VOLUME 76, PAGE 372 OF THE O.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-C" OF SCHEDULE B DETERMINES A 200.0 RIGHT-OF-WAY CONVEYED TO THE STATE OF TEXAS RECORDED IN VOLUME 343, PAGE 88 OF THE D.R.B.C.T. THIS RIGHT-OF-WAY FOR S.B. HIGHWAY 288B IS SHOWN HEREON.
   - ITEM "10-I" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO DOMINION PIPELINE COMPANY RECORDED IN VOLUME 1254, PAGE 109 OF THE D.R.B.C.T. AND AMENDED IN VOLUME 1366, PAGE 44 OF THE D.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-O" OF SCHEDULE B REFERENCES AN EASEMENT FOR THE PURPOSE OF PROVIDING PEDESTRIAN AND VEHICULAR ACCESS AND EGRESS GRANTED TO BENCHMARK ELECTRONICS INC. RECORDED UNDER COUNTY CLERKS FILE NUMBER 84-022888 OF THE O.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-P" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO DOW CHEMICAL COMPANY IN VOLUME 476, PAGE 169 OF THE D.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-Q" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO HOUSTON PIPELINE COMPANY IN VOLUME 476, PAGE 634 OF THE D.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-R" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO LONOX CHEMICAL COMPANY IN VOLUME 634, PAGE 121 OF THE O.R.B.C.T. THIS EASEMENT IS NOT ON, NOR DOES IT CROSS THE PROPERTY SURVEYED.
   - ITEM "10-U" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO VALLEY PIPE LINES IN VOLUME 858, PAGE 613 OF THE D.R.B.C.T. THIS EASEMENT IS NOT ON, NOR DOES IT CROSS THE PROPERTY SURVEYED.
   - ITEM "10-V" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO TEXAS-NEW MEXICO POWER COMPANY, RECORDED IN VOLUME 913, PAGE 413 OF THE D.R.B.C.T. THIS EASEMENT IS NOT ON, NOR DOES IT CROSS THE PROPERTY SURVEYED.
   - ITEM "10-W" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO TEXAS-NEW MEXICO POWER COMPANY, RECORDED UNDER COUNTY CLERK'S FILE NUMBER 84-023035 OF THE O.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
   - ITEM "10-X" OF SCHEDULE B REFERENCES AN EASEMENT GRANTED TO TEXAS-NEW MEXICO POWER COMPANY, RECORDED UNDER COUNTY CLERK'S FILE NUMBER 84-023035 OF THE O.R.B.C.T. THIS EASEMENT IS SHOWN HEREON.
5. ALL BEARINGS SHOWN HEREON ARE REFERENCED TO THE DESCRIPTION OF SAID 338.705 ACRE TRACT IN THE DEED OF CONVEYANCE TO SUGAR CREEK BAPTIST CHURCH FROM INTERNATIONAL INC. RECORDED UNDER COUNTY CLERK'S FILE NO. 2004075629 OF THE O.R.B.C.T.
6. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, POTENTIAL KNOWLEDGE OF THE EXISTENCE OF UNDERGROUND UTILITIES AND INFORMATION CONTAINED FROM PREVIOUS SURVEYS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE ALL THE UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH IT DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ALL THE UNDERGROUND UTILITIES
7. FLOOD ZONE STATEMENT, THE SURVEYOR WHOSE HAND HAS EXAMINED THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS FOR BRAZORIA COUNTY AND INCORPORATED AREAS MAP NUMBER 48039C0140G DATED IN PART 480 DECAUS 15, 2006, WITH EFFECTIVE OF JUNE 5, 1989 INDICATE THAT PORTIONS OF THE PROPERTY SURVEYED ARE WITHIN THE FOLLOWING ZONES: (1) ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD-PLAIN; (2) ZONE "X", SPECIAL FLOOD HAZARD AREAS DESIGNATED BY 100-YEAR FLOOD, AND (3) ZONE "AE", SPECIAL FLOOD HAZARD AREAS DESIGNATED BY 100-YEAR FLOOD WITH WATER SURFACE ELEVATIONS DETERMINED. LOCATIONS OF THIS FLOOD ENCHMENT DOES NOT IMPLY THAT ANY OF THE PROPERTY OR STRUCTURES WILL OR WILL NOT BE FREE FROM FLOODING OR FLOOD DAMAGE, AND WILL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR. (3) FLOOD ZONE AND/OR STRUCTURES WILL OR WILL NOT BE FREE FROM FLOODING OR FLOOD DAMAGE. A FLOOD INSURANCE RATE MAP OF THE PROPERTY BOUNDARIES DOES INDICATE ARE APPROXIMATE AS SCALED FROM THE REFERENCED FLOOD INSURANCE RATE MAPS.
8. THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
9. THERE HAVE BEEN NO CHANGES IN STREET RIGHT-OF-WAY LINES. SURVEYOR KNOWS OF NO PROPOSED CHANGES IN STREET RIGHT-OF-WAY. THERE IS NO OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
10. THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, DUMP OR SANITARY LANDFILL

BAKER & LAWSON, INC.
(engineers - surveyors)
395 EAST COLIMA ST., ANGLETON, TEXAS 77515
PHONE (979) 849-4681 WWW.BAKERLAWSON.COM
TBPLS LICENSED SURVEYING FIRM NO. 10035900

ALTA / ACSM LAND TITLE SURVEY
OF A
107.483 ACRE TRACT
SITUATED IN THE
JOHN W. CLOUD LEAGUE, A-169 & THE J.DE J. VALDERAS SURVEY, A-380, BRAZORIA COUNTY, TEXAS
OUT OF A
338.705 ACRE TRACT
RECORDED IN
C.C.F. NO. 2004075629, O.R.B.C.T.

DRAWING DATE: MARCH 28, 2019	JOB NO.: 11639	DRAWN BY: JAM	REVISION / DATE: 0

4/1/19

ADAMS SURVEYING CO. (Firm #10085400) P.O. Box 114
Steve D. Adams, RPLS 3666 2004B South Gordon
Stephen D. Adams, Jr., RPLS 5611 Alvin, TX 77512
Phone (281) 331-3523 Fax (281) 331-2182

FIELD NOTES

250.784 ACRES OF LAND, SITUATED IN THE J. W. CLOUD SURVEY, ABSTRACT 169, AND THE T. S. LEE SURVEY, ABSTRACT 318; BRAZORIA COUNTY, TEXAS, AND BEING A PART OF THAT CERTAIN CALLED 657.17 ACRE TRACT DESCRIBED IN A DEED TO C. F. BROWN, JR., TRUSTEE RECORDED IN BRAZORIA COUNTY CLERK'S FILE 94-038644, SAID 250.784 ACRES BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a PRM found for the upper Northwest corner of the herein described tract at the Northeast corner of Tract "T" of Frontier Estates Subdivision, according to the Plat recorded in Volume 20, Page 103, Plat Records, and also being the Northeast corner of Lot 2, Sanchez & Vardeman Subdivision, according to the Plat recorded in Clerk's File 2009033573, said point being in the North line of said 657.17 acre tract and the upper South line of a called 1568.9348 acre tract described as Tract One in a deed to Joe J. Sebesta recorded in Clerk's File 93-007582, from which point a 1/2 inch iron rod found bears North 00 deg. 45 min. 02 sec. East - 0.7 feet;

THENCE North 86 deg. 57 min. 38 sec. East, along the North line of said 657.17 acre tract and the upper South line of the Sebesta tract, a distance of 2649.72 feet to a 1 inch iron pipe found for corner;

THENCE South 53 deg. 40 min. 43 sec. East, along the common line of said 657.17 acre tract and said Sebesta tract, a distance of 2764.72 feet to a 1 inch iron pipe found for corner;

THENCE South 03 deg. 52 min. 24 sec. East, along the common line of said 657.17 acre tract and said Sebesta tract, a distance of 870.50 feet to a 1/2 inch iron rod set for the Southeast corner of the herein described tract in the North line of a 30.88 acre tract described as Parcel 5-E in a deed to Angleton Drainage District recorded in Volume 1664, Page 303, Deed Records;

THENCE South 86 deg. 01 min. 06 sec. West, along the North line of Parcel 5-E, a distance of 1234.62 feet to a 1/2 inch iron rod set for angle point;

THENCE South 86 deg. 53 min. 06 sec. West, along the North line of Parcel 5-E, a distance of 821.94 feet to a 1/2 inch iron rod set for angle point;

THENCE South 85 deg. 48 min. 27 sec. West, along the North line of Parcel 5-E, a distance of 2504.59 feet to a 1/2 inch iron rod set for angle point;

THENCE South 84 deg. 42 min. 42 sec. West, along the North line of Parcel 5-E, a distance of 578.0 feet to a 1/2 inch iron rod set for angle point;

THENCE South 86 deg. 21 min. 23 sec. West, along the North line of Parcel 5-E, a distance of 1179.39 feet to a 1/2 inch iron rod set for the Southwest corner of the herein described tract in the East line of Tract "N" of Frontier Estates, from which point a PRM found bears South 03 deg. 15 min. 57 sec. East - 1.40 feet;

THENCE North 03 deg. 15 min. 57 sec. West, along the East line of Tract "N", a distance of 44.45 feet to a 1/2 inch iron rod found for corner at the Southwest corner of Tract "R" of Frontier Estates;

THENCE North 86 deg. 42 min. 57 sec. East, along the South line of Tracts "R" and "T" of Frontier Estates, a distance of 1511.22 feet to a 1/2 inch iron rod found at the Southeast corner of Tract "T";

THENCE North 02 deg. 54 min. 13 sec. West, along the East line of Tract "T", at 679.85 feet pass a PRM found, at 1481.42 feet pass the Southeast corner of a 2.352 acre tract this day surveyed, from which point a 5/8 inch iron rod capped "Baker & Lawson" found bears North 79 deg. 17 min. 57 sec. East - 0.30 feet, continue along the East line of said 2.352 acre tract, at 1562.17 feet pass the Northeast corner of said 2.352 acre tract and the Southeast corner of Lot 2, Sanchez & Vardeman Subdivision, from which point a 5/8 inch iron rod capped "Baker & Lawson" found bears North 79 deg. 17 min. 57 sec. East - 0.19 feet, continue along the East line of said Lot 2, at 1679.81 feet pass a PRM found, and continue for a total distance of 2679.81 feet to the PLACE OF BEGINNING and containing 250.784 acres of land.

Bearing Base - Texas State Plane Coordinate System
South Central Zone

Note: These Field Notes accompany a drawing of same date titled Brown-FM523.

STATE OF TEXAS REGISTERED STEVE D. ADAMS 3666 PROFESSIONAL LAND SURVEYOR

Field Notes written from an actual survey made on the ground in June and July, 2017.

STEVE D. ADAMS
Registered Professional Land Surveyor No. 3666

Brown-FM523-1

ADAMS SURVEYING CO. (Firm #10085400) P.O. Box 114
Steve D. Adams, RPLS 3666 2004B South Gordon
Stephen D. Adams, Jr., RPLS 5611 Alvin, TX 77512
Phone (281) 331-3523 Fax (281) 331-2182

FIELD NOTES

2.352 ACRES OF LAND, SITUATED IN THE J. W. CLOUD SURVEY, ABSTRACT 169, BRAZORIA COUNTY, TEXAS, AND BEING A PART OF THAT CERTAIN CALLED 657.17 ACRE TRACT DESCRIBED IN A DEED TO C. F. BROWN, JR., TRUSTEE RECORDED IN BRAZORIA COUNTY CLERK'S FILE 94-038644, AND FURTHER BEING A PART OF TRACT "T" OF FRONTIER ESTATES SUBDIVISION, ACCORDING TO THE PLAT RECORDED IN VOLUME 20, PAGE 103, PLAT RECORDS OF BRAZORIA COUNTY, TEXAS, SAID 2.352 ACRES BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a point marking the Northeast corner of the herein described tract at the Southeast corner of Lot 2, Sanchez & Vardeman Subdivision, according to the Plat recorded in Clerk's File 2009033573, said point being in the East line of said Tract "T" and the West line of a 250.784 acre tract this day surveyed, said point being located South 02 deg. 54 min. 13 sec. East - 1117.64 feet from a PRM found at the Northeast corner of Tract "T", Frontier Estates, and the Northeast corner of Lot 2, Sanchez & Vardeman Subdivision, from said Beginning Point a 5/8 inch iron rod capped "Baker & Lawson" found bears North 79 deg. 17 min. 57 sec. East - 0.19 feet;

THENCE South 02 deg. 54 min. 13 sec. East, along the East line of Tract "T" and the West line of said 250.784 acre tract, a distance of 80.75 feet to a point marking the Southeast corner of the herein described tract at the Northeast corner of a called 36.971 acre tract described in a deed to Andrew C. LaSalle recorded in Clerk's File 2004060888, from which point a 5/8 inch iron rod capped "Baker & Lawson" found bears North 79 deg. 17 min. 57 sec. East - 0.30 feet;

THENCE South 79 deg. 17 min. 57 sec. West, along the North line of said 36.971 acre tract, a distance of 83.95 feet to an angle point, from which point a 1/2 inch iron rod capped "Pinpoint" found bears South 83 deg. 15 min. 41 sec. West - 0.31 feet;

THENCE South 61 deg. 48 min. 04 sec. West, along the North line of said 36.971 acre tract, a distance of 50.15 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE South 72 deg. 59 min. 50 sec. West, along the North line of said 36.971 acre tract, a distance of 240.14 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE South 49 deg. 53 min. 14 sec. West, along the North line of said 36.971 acre tract, a distance of 180.61 feet

to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE South 77 deg. 14 min. 35 sec. West, along the North line of said 36.971 acre tract, a distance of 195.62 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE South 84 deg. 28 min. 57 sec. West, along the North line of said 36.971 acre tract, a distance of 227.66 feet to an angle point, from which point a 1/2 inch iron rod capped "Pinpoint" found bears South 67 deg. 17 min. 03 sec. West - 0.27 feet;

THENCE North 74 deg. 32 min. 37 sec. West, along the North line of said 36.971 acre tract, a distance of 302.32 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for the Southwest corner of the herein described tract at the Northwest corner of said 36.971 acre tract, said point being in the West line of Tract "T" and being the Southeast Terminus of Windsong Drive (80.0 feet wide as shown on the Plat of Frontier Estates);

THENCE North 02 deg. 58 min. West, along the West line of Tract "T" and the East line of Windsong Drive, a distance of 84.32 feet to a point marking the Northwest corner of the herein described tract at the Northeast Terminus of Windsong Drive and the Southwest corner of Lot 1, Sanchez & Vardeman Subdivision, from which point a 5/8 inch iron rod (disturbed) found bears South 06 deg. 09 min. 49 sec. West - 0.45 feet;

THENCE South 74 deg. 32 min. 37 sec. East, along the South line of Lot 1, a distance of 314.16 feet to a 1/2 inch iron rod capped "Stroud" found for angle point;

THENCE North 84 deg. 28 min. 57 sec. East, along the South line of Lot 1, a distance of 207.79 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE North 77 deg. 14 min. 35 sec. East, along the South line of Lot 1, a distance of 171.09 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE North 49 deg. 53 min. 14 sec. East, along the South line of Lots 1 and 2, a distance of 177.50 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

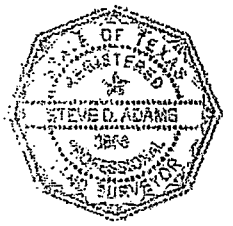
THENCE North 72 deg. 59 min. 50 sec. East, along the South line of Lot 2, a distance of 248.65 feet to an angle point, from which point a 1/2 inch iron rod capped "Pinpoint" found bears North 25 deg. 51 min. 45 sec. West - 0.21 feet;

THENCE North 61 deg. 48 min. 04 sec. East, along the South line of Lot 2, a distance of 54.62 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for angle point;

THENCE North 79 deg. 17 min. 57 sec. East, along the South line of Lot 2, a distance of 107.21 feet to the PLACE OF BEGINNING and containing 2.352 acres of land.

Bearing Base - Texas State Plane Coordinate System
South Central Zone

Note: These Field Notes accompany a drawing of same date titled Brown-FM523.



Field Notes written from an actual survey made on the ground in June and July, 2017.

STEVE D. ADAMS
Registered Professional Land Surveyor No. 3666

Brown-FM523-2

ADAMS SURVEYING CO. (Firm #10085400)
Steve D. Adams, RPLS 3666
Stephen D. Adams, Jr., RPLS 5611
Phone (281) 331-3523

P.O. Box 114
2004B South Gordon
Alvin, TX 77512
Fax (281) 331-2182

FIELD NOTES

1.698 ACRES OF LAND, SITUATED IN THE T. S. LEE SURVEY, ABSTRACT 318, BRAZORIA COUNTY, TEXAS, AND BEING A PART OF THAT CERTAIN CALLED 657.17 ACRE TRACT DESCRIBED IN A DEED TO C. F. BROWN, JR., TRUSTEE RECORDED IN BRAZORIA COUNTY CLERK'S FILE 94-038644, SAID 1.698 ACRES BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a 5/8 inch iron rod capped "Baker & Lawson" found for the Northeast corner of the herein described tract at the Northwest corner of a 51.658 acre tract described as Part 3 in a deed to Chenango Properties, LLC recorded in Clerk's File 2009004723, said point being in the South line of a 30.88 acre tract described as Parcel 5-E in a deed to Angleton Drainage District recorded in Volume 1664, Page 303, Deed Records;

THENCE South 02 deg. 24 min. 22 sec. East, along the West line of said 51.658 acre tract, a distance of 62.45 feet to a 5/8 inch iron rod capped "Baker & Lawson" found at the P.C. of a curve to the right;

THENCE along the West line of said 51.658 acre tract, following said curve to the right having a Radius of 550.0 feet, Central Angle of 13 deg. 17 min. 39 sec., Chord Bearing and Distance of South 04 deg. 14 min. 28 sec. West - 127.33 feet, for an arc distance of 127.62 feet to a 5/8 inch iron rod capped "Baker & Lawson" found at the P.T. of said curve;

THENCE South 10 deg. 53 min. 17 sec. West, along the West line of said 51.658 acre tract, a distance of 562.32 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for the Southeast corner of the herein described tract at the Southwest corner of said 51.658 acre tract, said point being in the North right-of-way line of F. M. 523 (200.0 feet wide);

THENCE in a Northwesterly direction, along the North right-of-way line of F. M. 523, following a curve to the right having a Radius of 3719.83 feet, Central Angle of 01 deg. 32 min. 25 sec., Chord Bearing and Distance of North 79 deg. 06 min. 43 sec. West - 100.0 feet, for an arc distance of 100.0 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for the Southwest corner of the herein described tract at the Southeast corner of a 3.044 acre tract described as Part 2 in said Chenango Properties deed;

THENCE North 10 deg. 53 min. 17 sec. East, along the East line of said 3.044 acre tract, a distance of 562.32 feet to a 5/8 inch iron rod capped "Baker & Lawson" found at the P.C. of a curve to the left;

THENCE along the East line of said 3.044 acre tract, following said curve to the left having a Radius of 450.0 feet, Central Angle of 13 deg. 17 min. 39 sec., Chord Bearing and Distance of North 04 deg. 14 min. 28 sec. East - 104.18 feet, for an arc distance of 104.41 feet to a 5/8 inch iron rod capped "Baker & Lawson" found at the P.T. of said curve;

THENCE North 02 deg. 24 min. 22 sec. West, along the East line of said 3.044 acre tract, a distance of 59.33 feet to a 5/8 inch iron rod capped "Baker & Lawson" found for the Northwest corner of the herein described tract at the Northeast corner of said 3.044 acre tract, said point being in the South line of the aforementioned Parcel 5-E;

THENCE North 85 deg. 48 min. 27 sec. East, along the South line of Parcel 5-E, a distance of 100.05 feet to the PLACE OF BEGINNING and containing 1.698 acres of land.

Bearing Base - Texas State Plane Coordinate System
South Central Zone

Note: These Field Notes accompany a drawing of same date titled Brown-FM523.

Field Notes written from an actual survey made on the ground in June and July, 2017.

STEVE D. ADAMS
Registered Professional Land Surveyor No. 3666

Brown-FM523-3

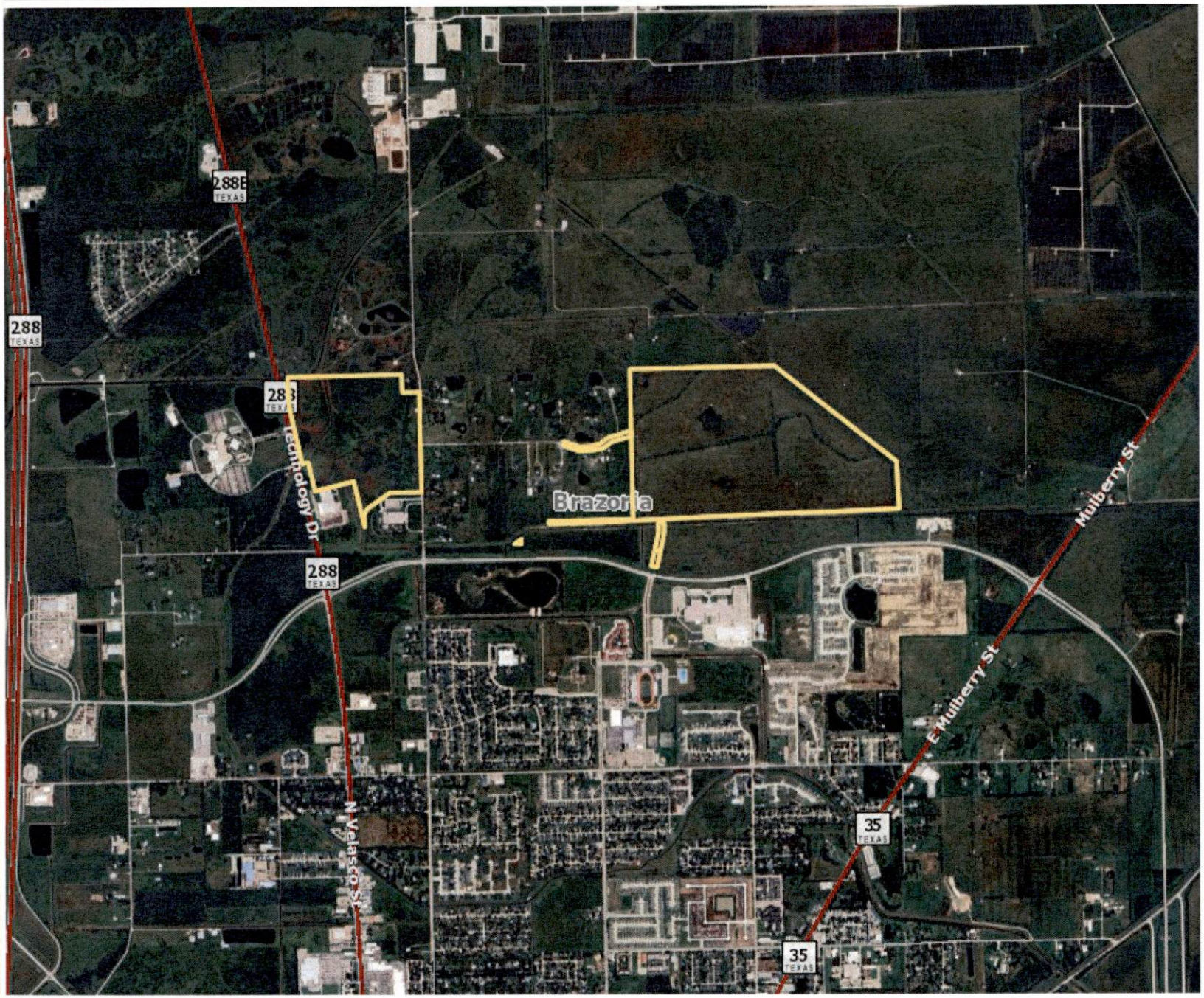
EXHIBIT A

Exhibit B

Map of the Property

Land Advisors ORGANIZATION

Angleton



Legend

2025 ULDC Zoning
- ER, Estate Residential
- SR, Suburban Residential
- MR, Mixed Residential
- UR, Urban Residential
- AR, Alternative Residential
- MUN, Mixed-Use Neighborhood
- NC, Neighborhood Commercial
- GC, General Commercial
- FC, Freeway Commercial
- LI, Light Industrial
- HI, Heavy Industrial
- OR, Open Space / Recreation
- PUD, Planned Unit Developmer
- DOD, Drilling Overlay
- DTA-FLX, Downtown Arts Flex
- DTA-MS, Downtown Arts Main S
- SJ-MS, San Jacinto Main Street
- SJ-3, San Jacinto 3
- SJ-FLX, San Jacinto Flex

TX Highways
- Interstate
- US Hwy
- State Hwy
- Beltway
- Expressway
- Loop
- Parkway
- Spur
- Tollway
- Turnpike

TX Arterials

County Boundaries

Land Advisors

Land Advisors Organization
820 Gessner Road, Suite 950
Houston, Texas 77024
Phone: 713.647.7800
Fax: 713.647.7830

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

0 0.27 Miles

© Land Advisors Organization
www.landadvisors.com 12/4

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Hector Renteria

AGENDA CONTENT: The 2024 Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: $215,000 **FUNDS REQUESTED: 163,536.00**

FUND:

EXECUTIVE SUMMARY:

On October 7, 2025, the City received seven (7) bids for the above reference project. The project includes trenchless rehabilitation of approximately 850 linear feet of sewer line and cementitious wall lining of 3 sanitary manholes, and removal and replacement of 1 sanitary manhole. Please find the attached Letter of Recommendation for this project's award.

RECOMMENDATION:

HDR recommends that the City of Angleton award the base bid plus supplemental for the 2024Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project to King Solution Services, LLC for the not to exceed amount of $163,536.00.

LETTER OF RECOMMENDATION

FOR

The 2024 Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project

CITY OF ANGLETON, TEXAS

OCTOBER 7, 2025

HDR Project No. 10433015

HDR ENGINEERING, INC.
4828 LOOP CENTRAL DRIVE, SUITE 700
HOUSTON, TEXAS 77081 (713) 622-9264

October 7, 2025

Mayor and City Council Members
City of Angleton
121 South Velasco Street
Angleton, TX 77515

Re: Letter of Recommendation for the 2024 Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project
HDR Project No. 10433015

Dear Mayor and City Council Members:

On October 7, 2025, the City received seven (7) bids for the above reference project. The project includes trenchless rehabilitation of approximately 850 linear feet of sewer line and cementitious wall lining of 3 sanitary manholes, and removal and replacement of 1 sanitary manhole. The following is a summary of our bid evaluation.

1. Bid Tabulation Sheet – Seven (7) construction firms participated in the bidding process. Each bid was checked for mathematical errors and/or bid irregularities. No errors were found among the construction firm's bids. The bids for the project are as follows:

Contractor	Total Base Bid
King Solution Services, LLC	**$163,536.00**
Precision Construction, LLC	**$163,748.00**
Capital Underground Utilities, LLC	**$170,000.00**
Ram Rod Utilities, LLC	**$277,777.00**
TMS Utility, LLC	**$323,670.00**
NVT Group, LLC	**$403,996.00**
Horseshoe Construction Inc.	**$540,250.00**

A copy of the bid tabulation is attached to Section 1 of this report.

2. References – King Solution Services, LLC provided a list of references on projects they previously performed as general contractors. Please see Section 2 of this report.

3. Telephone Conversation with References – HDR contacted 5 references provided by the lowest responsive bidder, King Solution Services, LLC and asked them to respond to a questionnaire. HDR received overall good ratings on their previous projects of similar size and nature. The references indicated that they were satisfied with the work King Solutions

Services, LLC performed and would use them again in the future. Copies of the questionnaires are attached to Section 3 of this report.

King Solution Services, LLC appears to be a responsible firm that should be capable of performing the specified work in a satisfactory manner. For these reasons listed above, HDR recommends that the City of Angleton award the base bid plus supplemental for the 2024 Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project to King Solution Services, LLC for the not to exceed amount of $163,536.00.

If you have any questions, please feel free to contact us.

Sincerely,

HDR Engineering, Inc.

John Peterson, P.E., CFM
Project Manager

SECTION 1

2024 Community Development Lift Station #24 Sanitary Sewer Collection System Rehabilitation Project

				King Solutions Services, LLC		Precision Construction, LLC		Capital Underground Utilitie		Ram Rod Utilities, LLC		TMS Utility, LLC		NVT Group, LLC		Horseshoe Construction Inc.	
Item No.	**Item Description**	**Unit**	**Quantity**	**Unit Cost**	**Cost**	**Unit**	**Cost**	**Unit**	**Cost**	**Unit**	**Cost**	**Unit**	**Cost**	**Unit**	**Cost**	**Unit**	**Cost**
General Items																	
1	Traffic control and regulation, complete in place, the sum of:	LS	1	$ 10,500.00	$ 10,500.00	$ 2,500.00	$ 2,500.00	$ 1,700.00	$ 1,700.00	$ 2,000.00	$ 2,000.00	$ 5,000.00	$ 5,000.00	$ 10,000.00	$ 10,000.00	$ 20,000.00	$ 20,000.00
2	Implementation of Storm Water Pollution Prevention Plan, complete in place, the sum of:	LS	1	$ 5,000.00	$ 5,000.00	$ 1,700.00	$ 1,700.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	$ 1,200.00	$ 1,200.00	$ 300.00	$ 300.00
	General Items Total				**$ 15,500.00**		**$ 4,200.00**		**$ 4,200.00**		**$ 4,500.00**		**$ 7,500.00**		**$ 11,200.00**		**$ 20,300.00**
Sanitary Sewer Items																	
3	Rehabilitate existing sanitary manhole with 1" SewperCoat cementitious liner, complete in place, the sum of:	VF	46	$ 356.00	$ 16,376.00	$ 240.00	$ 11,040.00	$ 240.00	$ 11,040.00	$ 450.00	$ 20,700.00	$ 400.00	$ 18,400.00	$ 365.00	$ 16,790.00	$ 425.00	$ 19,550.00
4	Repair sanitary manhole concrete ring, complete in place, the sum of:	EA	2	$ 1,500.00	$ 3,000.00	$ 750.00	$ 1,500.00	$ 890.00	$ 1,780.00	$ 500.00	$ 1,000.00	$ 500.00	$ 1,000.00	$ 1,650.00	$ 3,300.00	$ 1,100.00	$ 2,200.00
5	Remove existing 24" ring and cover and replace with 32" ring and cover, complete in place, the sum of:	EA	1	$ 1,850.00	$ 1,850.00	$ 750.00	$ 750.00	$ 820.00	$ 820.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 2,100.00	$ 2,100.00	$ 1,300.00	$ 1,300.00
6	Short-side sanitary service reconnection, complete in place, the sum of:	EA	3	$ 750.00	$ 2,250.00	$ 750.00	$ 2,250.00	$ 890.00	$ 2,670.00	$ 900.00	$ 2,700.00	$ 1,000.00	$ 3,000.00	$ 2,800.00	$ 8,400.00	$ 3,500.00	$ 10,500.00
7	Long-side sanitary service reconnections, complete in place the sum of:	EA	3	$ 1,200.00	$ 3,600.00	$ 920.00	$ 2,760.00	$ 1,100.00	$ 3,300.00	$ 1,200.00	$ 3,600.00	$ 1,500.00	$ 4,500.00	$ 3,900.00	$ 11,700.00	$ 4,500.00	$ 13,500.00
8	Furnish and install sanitary sewer manhole inflow protector, all sizes (i.e., for either 32" or 24" manhole covers), complete in place, the sum of:	EA	4	$ 225.00	$ 900.00	$ 390.00	$ 1,560.00	$ 420.00	$ 1,680.00	$ 500.00	$ 2,000.00	$ 150.00	$ 600.00	$ 2,200.00	$ 8,800.00	$ 500.00	$ 2,000.00
9	Remove existing 4' diameter sanitary manhole, 12'-16' depth, complete in place, the sum of:	EA	1	$ 1,800.00	$ 1,800.00	$ 1,200.00	$ 1,200.00	$ 1,200.00	$ 1,200.00	$ 600.00	$ 600.00	$ 5,000.00	$ 5,000.00	$ 9,500.00	$ 9,500.00	$ 1,500.00	$ 1,500.00
10	Furnish and install proposed 4' diameter sanitary manhole, 12'-16' depth, complete in place, the sum of:	EA	1	$ 12,500.00	$ 12,500.00	$ 9,800.00	$ 9,800.00	$ 10,900.00	$ 10,900.00	$ 14,247.00	$ 14,247.00	$ 20,000.00	$ 20,000.00	$ 18,000.00	$ 18,000.00	$ 18,000.00	$ 18,000.00
11	Replace 12" sanitary sewer gravity main with 14.0" O.D. SDR 19 HDPE via pipe bursting method, including pre and post cleaning and televising, complete in place, the sum of:	LF	470	$ 78.00	$ 36,660.00	$ 90.00	$ 42,300.00	$ 100.00	$ 47,000.00	$ 190.00	$ 89,300.00	$ 215.00	$ 101,050.00	$ 245.00	$ 115,150.00	$ 335.00	$ 157,450.00
12	Replace 18" sanitary sewer gravity main with 20.0" O.D. SDR 17 HDPE via pipe bursting method, including pre and post cleaning and televising, complete in place, the sum of:	LF	380	$ 150.00	$ 57,000.00	$ 170.00	$ 64,600.00	$ 170.00	$ 64,600.00	$ 240.00	$ 91,200.00	$ 300.00	$ 114,000.00	$ 420.00	$ 159,600.00	$ 635.00	$ 241,300.00
13	Trench safety system, greater than 5 feet, complete in place, the sum of:	LF	120	$ 10.00	$ 1,200.00	$ 15.00	$ 1,800.00	$ 15.00	$ 1,800.00	$ 25.00	$ 3,000.00	$ 50.00	$ 6,000.00	$ 3.00	$ 360.00	$ 50.00	$ 6,000.00
	Sanitary Sewer Items Total				**$ 137,136.00**		**$ 139,560.00**		**$ 146,790.00**		**$ 229,847.00**		**$ 275,050.00**		**$ 353,700.00**		**$ 473,300.00**

Supplemental Items																				
14	Brace, support, and protect utility structures per utility company's requirements, complete in place, the sum of:	EA	1	$ 1,100.00	$ 1,100.00	$ 1,750.00	$ 1,750.00	$ 2,500.00	$ 2,500.00	$ 3,500.00	$ 3,500.00	$ 2,500.00	$ 2,500.00	$ 10,000.00	$ 10,000.00	$ 1,000.00	$ 1,000.00
15	Installation and removal of piezometers, complete in place, the sum of:	EA	1	$ 1,500.00	$ 1,500.00	$ 4,500.00	$ 4,500.00	$ 5,000.00	$ 5,000.00	$ 3,000.00	$ 3,000.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00	$ 1,500.00
16	Well pointing for sanitary sewer installation, all sizes, all depths, including all necessary appurtenances, complete in place, the sum of:	LF	50	$ 20.00	$ 1,000.00	$ 45.00	$ 2,250.00	$ 24.00	$ 1,200.00	$ 165.00	$ 8,250.00	$ 300.00	$ 15,000.00	$ 90.00	$ 4,500.00	$ 100.00	$ 5,000.00
17	Well pointing for sanitary manhole installation, all sizes, all depths, including all necessary appurtenances, complete in place, the sum of:	EA	1	$ 1,200.00	$ 1,200.00	$ 2,800.00	$ 2,800.00	$ 2,500.00	$ 2,500.00	$ 9,000.00	$ 9,000.00	$ 4,500.00	$ 4,500.00	$ 7,500.00	$ 7,500.00	$ 4,000.00	$ 4,000.00
18	Wet condition bedding for sanitary sewer, all sizes, all depths, complete in place, the sum of:	LF	50	$ 20.00	$ 1,000.00	$ 45.00	$ 2,250.00	$ 35.00	$ 1,750.00	$ 60.00	$ 3,000.00	$ 50.00	$ 2,500.00	$ 80.00	$ 4,000.00	$ 75.00	$ 3,750.00
19	Wet condition bedding for sanitary manholes, all sizes, all depths, complete in place, the sum of:	EA	1	$ 1,200.00	$ 1,200.00	$ 1,500.00	$ 1,500.00	$ 920.00	$ 920.00	$ 2,200.00	$ 2,200.00	$ 2,500.00	$ 2,500.00	$ 7,500.00	$ 7,500.00	$ 3,000.00	$ 3,000.00
20	Sag removal, all depths, complete in place, the sum of:	EA	1	$ 650.00	$ 650.00	$ 1,750.00	$ 1,750.00	$ 1,640.00	$ 1,640.00	$ 5,500.00	$ 5,500.00	$ 5,500.00	$ 5,500.00	$ 500.00	$ 500.00	$ 10,000.00	$ 10,000.00
21	Extra length for sag removal, all depths, complete in place, the sum of:	LF	20	$ 45.00	$ 900.00	$ 45.00	$ 900.00	$ 55.00	$ 1,100.00	$ 125.00	$ 2,500.00	$ 65.00	$ 1,300.00	$ 55.00	$ 1,100.00	$ 400.00	$ 8,000.00
22	Obstruction removal (by excavation), all depths, complete in place, the sum of:	EA	1	$ 850.00	$ 850.00	$ 520.00	$ 520.00	$ 748.00	$ 748.00	$ 2,300.00	$ 2,300.00	$ 3,500.00	$ 3,500.00	$ 500.00	$ 500.00	$ 5,000.00	$ 5,000.00
23	Extra length for obstruction removal (by excavation), all depths, complete in place, the sum of:	LF	20	$ 45.00	$ 900.00	$ 50.00	$ 1,000.00	$ 55.00	$ 1,100.00	$ 125.00	$ 2,500.00	$ 50.00	$ 1,000.00	$ 65.00	$ 1,300.00	$ 150.00	$ 3,000.00
24	Install cement stabilized sand bedding, complete in place, the sum of:	CY	24	$ 25.00	$ 600.00	$ 32.00	$ 768.00	$ 23.00	$ 552.00	$ 70.00	$ 1,680.00	$ 55.00	$ 1,320.00	$ 29.00	$ 696.00	$ 100.00	$ 2,400.00
	Supplemental Items Total				**$ 10,900.00**		**$ 19,988.00**		**$ 19,010.00**		**$ 43,430.00**		**$ 41,120.00**		**$ 39,096.00**		**$ 46,650.00**
Bid Totals																	
	General Items Total				$ 15,500.00		$ 4,200.00		$ 4,200.00		$ 4,500.00		$ 7,500.00		$ 11,200.00		$ 20,300.00
	Sanitary Items Total				$ 137,136.00		$ 139,560.00		$ 146,790.00		$ 229,847.00		$ 275,050.00		$ 353,700.00		$ 473,300.00
	Supplemental Items Total				$ 10,900.00		$ 19,988.00		$ 19,010.00		$ 43,430.00		$ 41,120.00		$ 39,096.00		$ 46,650.00
	Total Construction Costs				**$ 163,536.00**		**$ 163,748.00**		**$ 170,000.00**		**$ 277,777.00**		**$ 323,670.00**		**$ 403,996.00**		**$ 540,250.00**

SECTION 2

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

PROJECT	OWNER	SIZES	FOOTAGES	AMOUNT	COMPLETION DATE
CITY OF SHEPHERD GLO CDBG MIT SEWER IMPROVEMENTS	GLS ENGINEERING 1609 S CHESNUT STE 202 LUFKIN, TEXAS 75901 JED MORRIS 936-637-4900	8" PB 10"PB	8"-30,602.00 10"-8,730	$2,694,721.50	CURRENT 8% COMPLETED
CITY OF HARDIN SANITARY SEWER REHABILITATION 2024	LJA ENGINEERING LJA ENGINEERING, INC 11821 EAST FREEWAY, SUITE 360 HOUSTON, TEXAS 77029 BRIAN DOOLITTLE 713-450-1300	8"PB 4"FM	8"-22,975 4"-1125	$1,422,765.00	CURRENT 25% COMPLETED
CITY OF GANADO SEWER IMPROVEMENTS	CIVILCORP, LLC 4611 E AIRLINE RD VICTORIA, TX 77904 RANDY JANAK 361-570-7500	8"PB 10"PB 12"PB	8"-16,056 10"-1,034 12"783	$1,067,908.00	CURRENT 84% COMPLETED
CITY OF KATY DANOVER AREA WATER AND SEWER IMPROVEMENTS PROJECT	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	4" W 6"W 8"W 12"W 8"PB 10"PB 12"PB 20"PB	4"-320 6"-1,540 8"-1,040 12"-1,650 8"-550 10"-630 12"-380 20"-1480	$863,875.00	CURRENT 37% COMPLETED

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF SUGARLAND COLLECTION SYSTEM REHAB PROJECT E PACKAGE 2 (PIPEBURSTING)	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB 12"PB 8"CIPP 10"CIPP 12"CIPP	8"-28,400 10"-970 12"-750 8"-1740 10"-405 12"-285	$1,924,475.00	CURRENT 49% COMPLETED
CITY OF BEAUMONT GRAND AVE & MAGNOLIA AVE PIPEBURSTING CONTRACT – PHASE 1	CITY OF BEAUMONT 1350 LANGHAM ROAD BEAUMONT, TEXAS 77707 JOHN KEVIN YOUNG 409-785-4742	6"PB 8"PB 12"PB 18"PB 22"PB	6"-250 8"-14,800 12"-3,300 18"2,200 22"-3850	$2,954,370.00	CURRENT 15% COMPLETED
CITY OF UNIVERSAL CITY ARPA PIPE BURSTING PROJECT 2023	CITY OF UNIVERSAL 2150 UNIVERSAL CITY UNIVERSAL CITY TX 78148 MATTHEW OTTE 210-658-5364	8"PB 10"PB	8"-4,039 10"-13,897	$1,805,928.00	CURRENT 90% COMPLETED
POINT AQUARIUS MUD REHABILITATION OF SANITARY SEWERS- PHASE IX	HUITT-ZOLLARS, INC 1500 S DAIRY ASHFORD, SUITE 200 HOUSTON, TEXAS 77077 JAIME SALINAS 281-496-0066	16"PB 24"PB	16"-383 24"-1,122	$345,072.75	COMPLETED 11/2024
CITY OF KATY FY 2024 SANITARY SEWER REHABILITATION	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB	8"-1210 10"170	$107,785.00	COMPLETED 10/2024

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CLEAR LAKE WATER AUTHORITY SANITARY SEWER PHASE 98 REHABILITATION	CITY OF CLEAR LAKE 900 BAY AREA BLVD HOUSTON, TEXAS 77058 PARIS LAKE 713-821-0322	8"PB 12"PB 24"CIPP	8"-5936 12"-645 24"-847	$835,758.00	CURRENT 90% COMPLETED
CITY OF BEAUMONT- STREET REHAB PHASE V SEWER LINE REPLACEMENT PROJECT	CITY OF BEAUMONT 1350 LANGHAM ROAD BEAUMONT, TEXAS 77707 JOHN KEVIN YOUNG 409-785-4742	8"PB 10"PB 12"PB 16"PB	8"- 16,000 10"- 6,000 12"-400 16"-3,150.00	$2,210,675.00	CURRENT 98% COMPLETED
CITY OF BALCH SPRINGS 2023 SEWER PIPE BURSTING PROJECT	CITY OF BALCH SPRINGS 13503 ALEXANDER RD BALCH SPRINGS, TEXAS 75181 WILLIAM FREEMAN 469-417-8183	8"PB	8"-10,886	$735,530.00	COMPLETED 09/2024
CITY OF OLMOS PARK SANITARY SEWER BOND PROJECT PHASE C	GIVLER ENGINEERING, INC 515 BUSBY DR SUITE 101 SAN ANTONIO, TX 78209 CHRIS MARTINEZ 210-342-3991	8"PB	8"2,357	$731,492.50	COMPLETED 04/2024
CITY OF TEXAS CITY- SANITARY SEWER REHABILITATION PROJECT - PHASE 22	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB 12"PB 8"CIPP 12"CIPP	8"-17,670 10"-340 12"-1,155 8"230 12"410	$1,234,215.00	CURRENT 98% COMPLETED

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF TYLER- CONSENT DECREE GROUP 5- REMEDIAL MEASURES PIPELINE BY PIPEBURST	CITY OF TYLER 6781 OAKHILL BLVD TYLER, TEXAS 75703 TAYLOR KAYE 903-581-8141	8'PB 10"PB 12"PB	8"-43,161 10"-644 12"-651	$4,671,386.00	100% COMPLETED 11/2024
CITY OF BEAUMONT- CITY WIDE PIPE BURSTING CONTRACT – PHASE 1	CITY OF BEAUMONT 1350 LANGHAM ROAD BEAUMONT, TEXAS 77707 JOHN KEVIN YOUNG 409-785-4742	8"PB 10"PB 12"PB 15"PB	8"-32,000 10"-750 12"-3,600 15"4,900	$3,670,700.00	CURRENT 98% COMPLETED
CITY OF PORT ARTHUR-SANITARY SEWER SYSTEM REHABILITATION CONTRACT 1	CITY OF PORT ARTHUR 444 4TH STREET PORT ARTHUR, TEXAS 77640 JESS LIAO 832-231-7606	8"PB 10"PB 12"PB 30"PB	8"-12,863 10"-2,888 12"-1425 30"-915	$1,768,727.95	100% COMPLETED 05/2024
CITY OF BRYAN 2022 MISCELLANEOUS COLLECTION LINE REHABILITATION	CITY OF BRYAN 1309 E. MARTIN LUTHER KING BRYAN, TEXAS 77803 BILL RILEY 979-209-5910	6"PB 8"PB 10"PB 12"PB	6"- 11,725.00 8"-3,725 10"-1,600 12"-1,400	$1,342,725.00	100% COMPLETED 03/2024
CITY OF KATY FY 2023 SANITARY SEWER REHABILITATION	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB	8"-1500 10"1225	$218.760.00	COMPLETED 12/2023

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF MATAGORDA SANITARY SEWER REHABILITATION	JOHN D MERCER & ASSOCIATES 2200 AVE A BAY CITY, TEXAS 77414 JOHN MERCER 361-782-7121	8"PB	8"13,042	$844.367.00	COMPLETED 10/2023
NORTHBELT UTILITY DISTRICT PHASE 2021A SANITARY SEWER REHABILITATION	KOEHN & ASSOCIATES ENGINEERS 2500 CENTRAL PARKWAY SUITE Z HOUSTON, TEXAS 77092 RONNIE KOEHN 713-682-2527	8"PB 10"PB 12"PB	8"-3,493 10"-2,107 12"-3,472	$469,839.00	100% COMPLETED 06/2023
POINT AQUARIUS MUD REHABILITATION OF SANITARY SEWERS- PHASE VIII	HUITT-ZOLLARS, INC 1500 S DAIRY ASHFORD, SUITE 200 HOUSTON, TEXAS 77077 JAIME SALINAS 281-496-0066	10"PB 16"PB	10" 781 16"547	$274,056.00	COMPLETED 10/2023
CITY OF ROSENBERG PHASE IV- SANITARY SEWER PIPE BURSTING	KALUZA INC 3014 AVENUE I ROSENBERG, TEXAS 77471 LLARANCE TANNER 281-341-0808	6"PB 8"PB 10"PB 12"PB 16"PB 18"PB	6"-792 8"-12,668 10"-3,914 12"-3,761 16"-1,284 18"-1,006	$2,312.501.25	100% COMPLETED 05/2023
HIGH MEADOWS-FAIRGREEN SANITARY SEWER REHABILITATION	SUNBELT FRESWHATER SUPPLY DISTRICT A&S ENGINEERS, INX 10377 STELA LINK ROAD HOUSTON, TEXAS 77025 JACK R FLORES 713-942-2700	8"PB 10"PB 12"PB 18"PB 8"CIPP 15"CIPP 24"CIPP/PB	8"-16259 10"-3863 12"718 18"-1,777 8"-1300 15"300 24"-3062	$2,098,294.00	100% COMPLETED

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF AMARILLO FY 2019-2020 SEWER MAIN REHABILITATION BY PIPEBURSTING IN QUADRANT P10	CITY OF AMARILLO 601 S BUCHANAN ST AMARILLO, TEXAS 79101 MARCO LOPEZ 806-378-9307	6"PB	6"37,073	$1,925,095.00	100% COMPLETED 07/2023
CITY OF TEXAS CITY- SANITARY SEWER REHABILITATION PROJECT - PHASE 21	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"-PB 10"-PB 12"-PB 8"CIPP 10"CIPP	8"-15,785 10"-1,585 12"-2090 8"-400 10"-2,590	$1,158,870.00	100% COMPLETED 01/2023
MALCOMSOM ROAD UTILITY DISTRICT SANITARY SEWER PHASE 6 REHABILITATION	LOCKWOOD, ANDREWS & NEWMAN, INC 2925 BRIARPARK DR HOUSTON, TEXAS 77042 JAKE KOCUREK 713-266-6900	8"PB 12"PB 16"PB	8" -6521 12"-278 16"-1,196	$793,975.00	COMPLETED 11/2023
CITY OF LEAGUE CITY 2020 SANITARY SEWER REHABILITATION PROJECT	CITY OF LEAGUE CITY 300 W WALKER ST LEAGUE CITY, TEXAS 77573 ANTHONY TALLUTO 281-554-1451	8"PB 10"PB 12"PB 8"CIPP 12"CIPP 18"CIPP	8"-14,120 10"-385 12"-1360 8"-440 12"-855 18"-3,110	$1,231,555.00	100% COMPLETED 08/2023
CITY OF BEAUMONT- PIPE BURSTING PHASE III CONTRACT	CITY OF BEAUMONT 1350 LANGHAM ROAD BEAUMONT, TEXAS 77707 JOHN KEVIN YOUNG 409-785-4742	8"-PB 10"PB 12"PB 16"PB	8"-13,000 10"- 5,000 12"-8,000 16"-3,000	$1,870,888.80	CURRENT 100% COMPLETED

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

SANITARY SEWER REHABILITATION-2021	HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 11 A&S ENGINEERS, INX 10377 STELA LINK ROAD HOUSTON, TEXAS 77025 JACK R FLORES 713-942-2700	6"-PB 8"PB 10"PB 12"PB 8"CIPP	6"-500 8"-9890 10"-860 12"-160 8"-588	$540,975.00	100% COMPLETED 02/2023
DRAINAGE AND SANITARY SEWER IMPROVEMENTS	CITY OF HITCHCOCK KALUZA INC 3014 AVENUE I ROSENBERG, TEXAS 77471 LLARANCE TANNER 281-341-0808	8"-PB 10"PB 18"OC 12"OC	8"-2514 10"- 4,470 18"- 508 12"-288	$883,733.56	COMPLETED 03/2022
CITY OF SILSBEE, TEXAS 2020 SANITARY SEWER REHABILITATION PROJECT	LJA ENGINEERING 2615 CALDER AVENUE SUITE 500 BEAUMONT TEXAS 77702 TREY GASPARD 409-554-8949	6"PB 8"PB 10"PB 12"PB 18"PB	6"- 800 8"- 4,180 10"-75 12"- 1,120 18"- 2,600	$ 617,450.00	COMPLETED 10/2021
HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61- SANITARY SEWER PHASE 7&9 REHABILITATION	LOCKWOOD, ANDREWS & NEWMAN, INC 2925 BRIARPARK DR HOUSTON, TEXAS 77042 ANDREW J. WILKINSON 713-266-6900	8"PB 12"PB 16"PB	8"-20,536 12"-166 16"-280	$1,387,650.00	COMPLETED 11/2021

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF TEXAS CITY- SANITARY SEWER REHABILITATION PROJECT - PHASE 19	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB 12"PB 15"PB 18"PB 8"CIPP 10"CIPP 12"CIPP	8"-8040 10"-1,280 12"-345 15"-500 18"-1,430 8"-1,150 10"-1,585 12"-2770	$958,145.00	COMPLETED 06/2021
2020 MISC SANITARY SEWER PIPE BURSTING IMPROVEMENTS	CITY OF HURST 1505 PRECINCT LINE ROAD HURST. TARRANT COUNTY,TX 76054 JIM JUNEAU 817-788-7078	8"PB 8"OC	8"-6790 8"-609	$950,545.00	COMPLETED 12/2021
POINT AQUARIUS MUD REHABILITATION OF SANITARY SEWERS PHASE VI &VII	HUITT-ZOLLARS, INC 1500 S DAIRY ASHFORD, SUITE 200 HOUSTON, TEXAS 77077 JAIME SALINAS 281-496-0066	8"PB 10"PB	8"-6,746 10"- 141	$347,219.95	COMPLETED 05/2021
CITY OF ANAHUAC SANITARY SEWER REHABILITATION PROJECT	CITY OF ANAHUAC LJA ENGINEERING 2615 CALDER AVE STE 500 BEAUMONT, TEXAS 77702 TREY GASPARD 409-833-3363	6"PB 8"PB 10"PB 12"PB 12"CIPP 18"CIPP 24"CIPP	6"-10,594 8"- 47,063 10"-2,411 12" -8,585 12" -292 18"-2385 24"- 6,700	$4,816,871.00	100% COMPLETED

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF HUMBLE SANITARY SEWER REHABILITATION PROJECT- PHASE 5	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB 12"PB 15"PB 8"CIPP 12"CIPP 15"CIPP 18"CIPP 24"CIPP	8"-12,880 10"-300 12"-285 15"325 8"-2765 12"-540 15"-455 18"-240 24"-50	$ 1,498,275.75	CURRENT 100% COMPLETED
CITY OF CLUTE RILEY ROAD SEWER LINE REPLACEMENT	CITY OF CLUTE 108 E. MAIN STREET CLUTE, TEXAS 77531 TARA PAYNE 940-390-1375	12" OC 15"OC	12"- 1360 15"-157	$301,452.00	COMPLETED 10/27/2020
CITY OF UNIVERSAL CITY UNIVERSAL CITY PIPE BURSTING PROJECT 2019 2019-003-01	CITY OF UNIVERSAL 2150 UNIVERSAL CITY UNIVERSAL CITY TX 78148 MATTHEW OTTE 210-658-5364	8"PB 10"PB	8"-7,540 10"- 475	$664,214.77	COMPLETED 05/20/2020
CITY OF RICHWOOD CEDAR ST AND WALNUT DR SEWER REPLACEMENT PROJECT CFDA #14.218	CITY OF RICHWOOD 1800 N BRAZOSPORT BLVD RICHWOOD TX 77531 CLIF CUSTER 979-292-9386	8"PB 10"PB	8"-1394 10"-1271	$131,840.00	COMPLETED 03/30/2020
CITY OF BALCH SPRINGS 2018 PIPE BURSTING PROJECT	CITY OF BALCH SPRINGS 13503 ALEXANDER RD BALCH SPRINGS, TEXAS 75181 WILLIAM FREEMAN 469-417-8183	8"PB	8"-9,744	$583,034	COMPLETED 12/20/2019

KING SOLUTION SERVICES, LLC

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REFERENCE LIST

CITY OF BEAUMONT WESTGATE DRIVE AREA PIPEBURSTING CONTRACT	CITY OF BEAUMONT 1350 LANGHAM ROAD BEAUMONT, TEXAS 77707 EDWARD BROWN 409-785-4720	8"PB 10"PB	8"-25,564 10"418	$1,592,994.00	CURRENT 10/01/2020 COMPLETED
CITY OF EL CAMPO 2017-2018 TXCDBG PUBLIC INFRASTRUCTURE IMPROVEMENTS	CITY OF EL CAMPO JONES & CARTER, INC 2322 WEST GRAND PKWY N KATY, TEXAS 77449 JARED BIERMANN 281-762-6540	8"PB	8" 7,200	$366,094.00	COMPLETED 01/31/2020
CITY OF EL CAMPO 2018 SANITARY SEWER IMPROVEMENTS	CITY OF EL CAMPO JONES & CARTER, INC 2322 WEST GRAND PKWY N KATY, TEXAS 77449 JARED BIERMANN 281-762-6540	8"PB	8"-2,811	190,355.60	COMPLETED 12/07/2019
WALDEN ON LAKE CONROE SECTIONS 8,8A,9,10,12,12A,14,16,17 & 18	MONTGOMERY COUNTY MUD NO.9 BLEYL ENGINEERING 400 RANDAL WAY STE 300 SPRING, TEXAS 77388 JOSE ESPINOZA 936-271-9600	8"PB 10"PB 12"PB 18"PB CIPP	15,415	$1,160,793.00	COMPLETED 12/09/2019
CITY OF TEXAS CITY- SANITARY SEWER REHABILITATION PROJECT PHASE 18	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8"PB 10"PB 12"PB CIPP	19,725	$1,099,155.00	COMPLETED 12/13/2019

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

2018 MISCELLANEOUS COLLECTION LINE REHABILITATION	CITY OF BRYAN 1309 E. MARTIN LUTHER KING BRYAN, TEXAS 77803 BILL RILEY 979-209-5910	6"PB 8"PB 10"	6"-16,550 8"-8,100 10"-150	$1,480,620.00	COMPLETED 12/13/2019
CITY OF RICHMOND SANITARY SEWER SYSTEM REHABILITATION (WW011)	CITY OF RICHMOND KELLY R KALUZA & ASSOCIATES 3014 AVENUE I ROSENBERG, TEXAS 77474 CHRISTOPHER ARGO 281-341-0808	8" PB 12" PB	8"-3,214 12" 786	$229,588.00	COMPLETED 02/12/2019
CITY OF PRAIRIE VIEW ALTA VISTA SANITARY SEWER REHABILITATION	LJA ENGINEERING, INC 11821 EAST FREEWAY, SUITE 360 HOUSTON, TEXAS 77029 BRIAN DOOLITTLE 713-450-1300	8"PB	8"-4,495	$232,467.50	COMPLETED 03/25/2019
HARRIS COUNTY FRESH WATER SUPPLY DISTRICT NO. 61- SANITARY SEWER PHASE 4&5 REHABILITATION	LOCKWOOD, ANDREWS & NEWMAN, INC 2925 BRIARPARK DR HOUSTON, TEXAS 77042 ANDREW J. WILKINSON 713-266-6900	8"-PB 10"-PB 16"PB	8"-18,201 10"-2,019 16"-2921	$1,233.919.40	COMPLETED 02/27/2019
CITY OF TEXAS CITY SANITARY SEWER REHABILITATION PROJECT PHASE 18A	ARKK ENGINEERS 7322 SOUTHWEST FWY STE 1040 HOUSTON, TX 77074 JOSE VELASQUEZ 713-400-2755	8" PB 10"PB 16"PB	8"-5,225 10"-885 16"-1120	$321,155.00	COMPLETED 02/15/2019

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

2018 SANITARY SEWER REHAB PHASE 1- PORTER MUD	A&S ENGINEERS, INC 10377 STELLA LINK RD HOUSTON, TEXAS 77025 JACK FLORES 713-942-2700	10"- PB	10"- 13,860	$500,295.00	COMPLETED 12/04/2019
POINT AQUARIUS MUD REHABILITATION OF SANITARY SEWER REHABILITATION	HUITT-ZOLLARS, INC 1500 S DAIRY ASHFORD, SUITE 200 HOUSTON, TEXAS 77077 JAIME SALINAS 281-496-0066	8"PB	8"-2,524	$146,820.35	COMPLETED 12/10/2018
KINGS MANOR MUD SANITARY SEWER REHABILITATION	JONES & CARTER 2322 WEST GRAND PKWY KATY, TEXAS 77449 JAMES MCCAIN 832-302-4039	POINT REPAIRS		$70,305	COMPLETED 10/18/2018
BACLIFF COLLECTION SYSTEM REHABILITATION PHASE 18	BACLIFF MUD 4302 12TH ST BACLIFF, TEXAS 77518 MICHAEL MORGAN 281-642-5126	8"PB	8"-6,404	$270,257.70	COMPLETED 11/01/2018
WASTEWATER COLLECTION IMPROVEMENTS FOR THE LIFT STATION-	CITY OF LAKE JACKSON 25 OAK DRIVE LAKE JACKSON, TX 77566 DAVID VAN RIPER 979-415-2428	10" PB 8" Open Cut	10"-2,296 8"-2,313	$514,873.88	COMPLETED 11/20/2018
TODVILLE SANITARY SEWER LINE PROJECT	WADECON LLC 1525 LAKEVILLE DR KINGWOOD, TX 77339 RANDY HIGGINBOTHAM 904-874-8497	12" PB	12"- 6,812	$ 989,450	COMPLETED 8/24/2018

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

BARRY STREET SANITARY SEWER PIPE BURSTING	CITY OF HITCHCOCK 7423 HIGHWAY 6 HITCHCOCK, TX 77563 JOEY DIERINGER 409-761-0737	12" PB	12"-385 LF	$71,670.00	COMPLETED 07/06/2018
10-INCH SANITARY SEWER LINE REPLACEMENT ON MARIGOLD STREET	CITY OF LAKE JACKSON 25 OAK DRIVE LAKE JACKSON, TX 77566 DAVID VAN RIPER 979-415-2428	10" PB	10"- 990 LF	$56,910.00	COMPLETED 06/28/2018
PROPOSED SANITARY SEWER REHABILITATION PIPEBURSTING MUD 179	EBY ENGINEERS 1814 DE MILO HOUSTON, TX 77018 DENNIS EBY 713-957-0788	8" PB	8"- 3,438 LF	$129,708.00	COMPLETED 07/02/2018
CITY OF BALCH SPRINGS 2018 PIPE BURSTING PROJECT	CITY OF BALCH SPRINGS 13503 ALEXANDER RD BALCH SPRINGS, TEXAS 75181 WILLIAM FREEMAN 469-417-8183	8" PB	8"- 6,752 LF	$392,916.00	COMPLETED 05/20/2018
CHAMPS WATER DISTRICT	CHAMPS WATER DISTRICT 25329 BUDDE RD SPRING, TX 77380 MR. CHAMPS 936-321-7721	8" PB	8"- 6,896 LF	$ 463,915.00	COMPLETED 06/21/2018
SANITARY SEWER REHABILITATION PHASE II KIRKMONT MUD	NORTH HOUSTON POLE LINE 850 ALDINE MAIL RT HOUSTON, TEXAS 77037 BAXTER DENTON 713-229-2915	8", 10", 12" 15" PB	8"- 5,352 LF 10" 848 LF 12"- 2,665 LF 15" -	$643,050.00	COMPLETED 11/01/2018

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

EAST SEWERSHED PACKAGE 1 SAN ANTONIO	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	8", 10" 12" 15" PB	8" 13,392 LF 10"- 2,186 LF 12"- 712 LF 15" 400 LF	$1,502,038.80	COMPLETED 03/30/2018
SANITARY SEWER PHASE 3 REHABILITATION	NORTH HOUSTON POLE LINE 850 ALDINE MAIL RT HOUSTON, TEXAS 77037 BAXTER DENTON 713-229-2915	8", 12" PB	8"-9,043 LF 12"-406 LF	$601,299.05	COMPLETED 02/25/2018
CITY OF ROBINSON MEADOWBROOK ADDITION & FAIN ESTATES WASTEWATER IMPROVEMENTS	WALKER PARTNERS , LLC 600 AUSTIN AVENUE SUITE 200 WACO, TEXAS 76701 JACOB HINSON 254-714-1402	8" PB	8"- 12,201.00	$818,147.25	COMPLETED 05/20/2018
CITY- WIDE PIPEBURSTING PROJECT CORSICANA	CITY OF CORSICANA 200 N. 12TH STREET CORSICANA, TEXAS 75110 TERRY FRANKS 903-654-4858	8" PB	8"- 28,145 LF	OPEN- $2,835,416.00	CURRENT
REHABILITATION OF SANITARY SEWER COLLECTION FACILITIES OF STONE CREEK, SECTION ONE PHASE 1b	SHERRINGTON-HUMBLE, LLC 9829 WHITHORN DR HOUSTON, TEXAS 77095 SEAN HUMBLE 281-656-8837	8",10" 15" PB	8"-5,840 LF 10"-160 LF 15" 144 LF	$340,664.00	COMPLETED 11/30/2017
CITY OF BALCH SPRINGS 2017 PIPEBURSTING PROJECT	CITY OF BALCH SPRINGS 13503 ALEXANDER RD BALCH SPRINGS, TEXAS 75181 WILLIAM FREEMAN 469-417-8183	8" PB	8" -3843 LF	$192,569.25	COMPLETED 09/22/2017

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

SANITARY SEWER REHAB EL DORADO	CRUZ TEC INC 12506 ANN LANE HOUSTON, TX 77064 JOSEPH TRAN 408-367-9786	8", 10"	8"-215 LF 10"-790 LF	$137,604.00	COMPLETED 09/22/2017
KIRKMONT SANITARY SEWER REHAB III	NORTH HOUSTON POLE LINE 850 ALDINE MAIL RT HOUSTON, TEXAS 77037 BAXTER DENTON 713-229-2915	8", 10",12" PB	8"-7,465 LF 12"- 134 LF	$406,635.66	COMPLETED 07/19/2017
CITY OF DUNCAVILLE WASTEWATER IMPROVEMENTS PEBBLE DR EASEMENT FROM STEGER DRIVE TO HILL CITY DRIVE	CITY OF DUNCANVILLE 203 E. WHEATLAND RD DUNCANVILLE, TEXAS 75138 JON BURNER 972-780-5058	8" PB	8"- 1,707 LF	$115,000.00	COMPLETED 06/21/2017
INWOOD PARK SECTION ONE SANITARY SEWER REHAB	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	8" PB	8"-2,480 LF	$101,500.00	COMPLETED 05/26/2017
UNIVERSAL CITY PIPEBURSTING 2016	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	8" PB	8"-1,355 LF 12"-1590 LF	$358,996.00	COMPLETED 06/15/2017
SANITARY SEWER PHASE 67 REHABILITATION	NORTH HOUSTON POLE 850 ALDINE MAIL RT HOUSTON, TEXAS 77037 BAXTER DENTON 713-299-2915	8", 10" 12"	8"- 3,129 LF 10"-580 LF 12"- 752 LF	$406,306.00	COMPLETED 07/16/2017

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

SANITARY SEWER REPAIR ON RED RIVER DR	VAN DE WIELE & VOGLER INC 2925 BRAIRPARK DR STE 275 HOUSTON, TEXAS 77042	15' PR		$60,238.00	COMPLETED 03/31/2017
8" PUBLIC SANITARY SEWER EXTENSION TO SERVE F.M 1960 AUTOPLEX AND MOS BBQ	JONES & CARTER, INC 8701 NEW TRAILS DR STE 200 THE WOODLANDS TX 77381 JAMES MCCAIN 832-302-4039	8" OC	8"- 494 LF	$56,049.00	COMPLETED 03/16/2017
SERVE SETTLERS VILLAGE SECTION 1&2	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	POINT REPAIRS		$111,750.00	COMPLETED 05/26/2017
MISSION BEND/LAKE COLONY 8"-12" SEWER REHABILITATION	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	8" PB / PR	8"- 450 LF	$405,000.00	COMPLETED 02/04/2017
WASTEWATER IMPROVEMENTS SEWER REHAB PIPEBURSTING	CRUZ TEC INC 12506 ANN ALNE HOUSTON, TEXAS 77064 JOSEPH TRAN 408-367-9786	10" PB	10"-2667 LF	$252,092.50	COMPLETED 03/05/2017
HILL STREET TO GOSPEL HILL SEWER REALIGNMENT PROJECT #16-10-02	CITY OF HUNTSVILLE 1212 AVENUE M HUNTSVILLE, TEXAS 77320 DUSTIN RILEY 936-294-5794	8" OC	8"- 480 LF	83,008.00	COMPLETED 02/17/2017

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

CITY OF RICHWOOD SANITARY SEWER LINE REPAIR RIH.007	CITY OF RICHWOOD 1800 N BRAZOSPORT BLVD RICHWOOD TX 77531 CLIF CUSTER 979-292-9386	8", 10" PB	8"-4075 LF 10"-600 LF	$131,020.00	COMPLETED 10/07/2016
CITY OF SACHSE SS-13-03 3RD STREET SEWER REHABILITATION	CITY OF SACHSE 3815-B SACHSE RD SACHSE, TEXAS 75048 GREG A PETERS 972-495-7600	8" PB	8" 1590 LF	$80,782.00	08/13/2016
NORTH SIDE DRAINAGE IMPROVEMENTS PROJECT PHASE 1	CITY OF SINTON 301 East Market Street Sinton, TX 78387 HECTOR CASTANEDA 361-883-1984	24"	24"-718 LF 18"-80 LF STORM	$95,913.08	COMPLETED 08/06/2016
CITY OF HOUSTON 4235-76 SANITARY SEWER REHABILITATION PROJECT	NORTH HOUSTON POLE 850 ALDINE MAIL RTE BAXTER DENTON 713-299-2915	8", 10" 12"PB	8"-10,240 LF 10"-895 LF 12"-560 LF	$596,000.00	COMPLETED 04/20/2017
PRIVATE DRAINAGE EXTENSION	SOUTHERN CALIFORNIA VALVE 3521 FM 646 409-935-9906	8", 10" PB	890 LF Storm sewer	$180,000	COMPLETED 09/12/2016
GALVESTON COUNTY WCID NO.8 SEWER LINE REHABILITATION SAK CONSTRUCTION	CITY OF SANTA FE 12148 15TH ST SANTA FE, TEXAS 77510 JAMES WITT 409-750-2445	8" PB	8"- 9,115 LF	$476,000	COMPLETED 05/2016

KING SOLUTION SERVICES, LLC

13221 CHRISMAN RD HOUSTON, TEXAS 77039 PH: 281-732-2014

REFERENCE LIST

MUNICIPAL UTILITIES	CITY OF KATY 5454 FRANZ KATY TX 77493 JASON RIVERA 281-391-4820	8" PB 15" PR	450 LF	$135,000	COMPLETED 04/2016
MUNICIPAL UTILITIES	WATER DISTRICT MANAGEMENT 17707 OLD LOUETTA MATT HOFFPAUIR 281-734-6319	8"PB	2,500 LF	$321,000	OPEN
PRIVATE WORK UTILITIES	CHAMPS WATER DISTRICT 25329 BUDDE RD SPRING, TX 77380 MR. CHAMPS 936-321-7721	8"PB	1,520 LF	$45,000	COMPLETED 01/2016
CITY OF HOUSTON SANITARY SEWER REHABILITATION PROJECT	GRAVA LLC 1808 SNAKE RIVER RD OMAR RUIZ KATY, TX 77449	8",10",12" PB	8"- 4,500 LF 10" – 990 LF 12" 850 LF	$305,000	COMPLETED 04/2016

SECTION 3

DATE: 10/3/2025
PROJECT: 2024 Community Development LS #24 Sanitary Sewer Collection Systems Rehabilitation
CONTRACTOR: King Solution Services
TELEPHONE NO.: (281) 496-0066
REFERENCE NAME: Jaime Salinas – Huitt-Zollars, INC.
REFERENCE PROJECT: Point Aquarius MUD Rehabilitation of Sanitary Sewers: **$345,072.75**

QUESTIONS

1. How did King Solution Services perform for you on previous projects? (On a scale of 1-10)
   ANSWER: "10- great contractor; our go-to guys for sewer rehabs; they know the work, and we have no issues"

2. Were you satisfied with their performance?

   ANSWER: "yes"

3. How would you rate the quality of their work? (On a scale of 1-10)

   ANSWER: "10"

4. How would you rate their ability to coordinate the work with neighboring property owners? (Scale of 1-10)

   ANSWER: "10- very good job communicating"

5. Did they have any problems with any jobs? If so, what was the nature of the problem?

   ANSWER: "no issues"

6. Were they able to complete projects within the time allotted? If not, what was the reason?

   ANSWER: "yes"

7. How would you rate their ability to cooperate with a client? (On a scale of 1-10)

   ANSWER: "10"

8. Would you like to have them perform a job for you again?

   ANSWER: "Oh yeah, definitely; they've done several projects for us, and they've always done a good job; very quick"

DATE: 10/3/2025
PROJECT: 2024 Community Development LS #24 Sanitary Sewer Collection Systems Rehabilitation
CONTRACTOR: King Solution Services LLC
TELEPHONE NO.: (713) 400-2755
REFERENCE NAME: Jose Velasquez – ARKK Engineers
REFERENCE PROJECT: City of Katy FY 2024 Sanitary Sewer Rehabilitation: **$107,785.00**

QUESTIONS

1. How did King Solution Services perform for you on previous projects? (On a scale of 1-10)
   ANSWER: "10"

2. Were you satisfied with their performance?

   ANSWER: "Yes"

3. How would you rate the quality of their work? (On a scale of 1-10)

   ANSWER: "10- pretty good; good at communicating"

4. How would you rate their ability to coordinate the work with neighboring property owners? (Scale of 1-10)

   ANSWER: "9- They're usually pretty good at coordinating; residents complain all the time, no matter who is on the job"

5. Did they have any problems with any jobs? If so, what was the nature of the problem?

   ANSWER: "No issues"

6. Were they able to complete projects within the time allotted? If not, what was the reason?

   ANSWER: "A lot of times, the answer would be yes, but the city added some other work, but they were reasonable with any change orders that came about…"

7. How would you rate their ability to cooperate with a client? (On a scale of 1-10)

   ANSWER: "10"

8. Would you like to have them perform a job for you again?

   ANSWER: "Oh yeah, we currently have them on multiple projects; they are one of the contractors that we call first when getting new projects"

DATE: 10/3/2025
PROJECT: 2024 Community Development LS #24 Sanitary Sewer Collection Systems Rehabilitation
CONTRACTOR: King Solution Services LLC
TELEPHONE NO.: (281) 554-1451
REFERENCE NAME: Anthony Talluto – City of League City
REFERENCE PROJECT: City of League City 2020 Sanitary Sewer Rehabilitation Project: **$1,231,555.00**

QUESTIONS

1. How did King Solution Services perform for you on previous projects? (On a scale of 1-10)

   ANSWER: "9 - no major issues"

2. Were you satisfied with their performance?

   ANSWER: "yep"

3. How would you rate the quality of their work? (On a scale of 1-10)

   ANSWER: "8/9 – They handled adding scopes with no issues, and the change order price was within reason..."

4. How would you rate their ability to coordinate the work with neighboring property owners? (Scale of 1-10)

   ANSWER: "8/9 - no complaints from residents other than the typical"

5. Did they have any problems with any jobs? If so, what was the nature of the problem?

   ANSWER: "This was not necessarily their fault, but we did have to add the manholes in the roadway. They handled the changes well..."

6. Were they able to complete projects within the time allotted? If not, what was the reason?

   ANSWER: "Yes"

7. How would you rate their ability to cooperate with a client? (On a scale of 1-10)

   ANSWER: "10 - communication was good"

8. Would you like to have them perform a job for you again?

   ANSWER: "Yes"

DATE: 10/3/2025
PROJECT: 2024 Community Development LS #24 Sanitary Sewer Collection Systems Rehabilitation
CONTRACTOR: King Solution Services LLC
TELEPHONE NO.: (409) 785-4742
REFERENCE NAME: John Kevin Young – City of Beaumont
REFERENCE PROJECT: City Wide Pipe Bursting Contract Phase 1: **$3,670,700.00**

QUESTIONS

1. How did King Solution Services LLC perform for you on previous projects? (On a scale of 1-10)
   ANSWER: "10"

2. Were you satisfied with their performance?

   ANSWER: "Yes"

3. How would you rate the quality of their work? (On a scale of 1-10)

   ANSWER: "10"

4. How would you rate their ability to coordinate the work with neighboring property owners? (Scale of 1-10)

   ANSWER: "We had a few complaints, but it's always some residents that complain with any job; they handled them without issue..."

5. Did they have any problems with any jobs? If so, what was the nature of the problem?

   ANSWER: "Not with the contractors, just with our pipes…"

6. Were they able to complete projects within the time allotted? If not, what was the reason?

   ANSWER: "yes"

7. How would you rate their ability to cooperate with a client? (On a scale of 1-10)

   ANSWER: "10 – they cooperated very well"

8. Would you like to have them perform a job for you again?

   ANSWER: "Oh yes, every time we bid out a job, we hope they win, especially the pipe bursts; we've actually used them on emergency point repairs; they're our go-to"

DATE: 10/3/2025
PROJECT: 2024 Community Development LS #24 Sanitary Sewer Collection Systems Rehabilitation
CONTRACTOR: King Solution Services LLC
TELEPHONE NO.: (713) 821-0322
REFERENCE NAME: Paris Lake – City of Clear Lake
REFERENCE PROJECT: Clear Lake Water Authority Sanitary Sewer Phase 98 Rehabilitation: **$835,758.00**

QUESTIONS

1. How did King Solution Services perform for you on previous projects? (On a scale of 1-10)
   ANSWER: "9 did very well"

2. Were you satisfied with their performance?

   ANSWER: "Yes"

3. How would you rate the quality of their work? (On a scale of 1-10)

   ANSWER: "8"

4. How would you rate their ability to coordinate the work with neighboring property owners? (Scale of 1-10)

   ANSWER: "9"

5. Did they have any problems with any jobs? If so, what was the nature of the problem?

   ANSWER: "No"

6. Were they able to complete projects within the time allotted? If not, what was the reason?

   ANSWER: "Yep"

7. How would you rate their ability to cooperate with a client? (On a scale of 1-10)

   ANSWER: "10- helped us out a lot"

8. Would you like to have them perform a job for you again?

   ANSWER: "Yes – they've done a couple jobs for our group, they did very well… "

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Hector Renteria

AGENDA CONTENT: TxDOT 288B Downtown Improvements

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: **FUNDS REQUESTED:**

FUND:

EXECUTIVE SUMMARY:

The City of angleton was selected for a five million Dollar grant for improvements to the 288B Downtown area. TxDot has hired Pape-Dawson the provide engineering services for the 288B Downtown Improvements. HDR has receive the plans on October 14, 2025. HDR will prove an over all review to council at the October 28th Council meeting. The proposed plans are attached.

RECOMMENDATION:

Discussion from City council on the proposed improvement on 288B and how the City would like to proceed.

THE HEART OF BRAZORIA COUNTY ANGLETON

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28th, 2025

PREPARED BY: Hector Renteria

AGENDA CONTENT: Discussion and possible action on a tank maintenance contract with Utility Service Co., Inc.

AGENDA ITEM SECTION: Regular Agenda

BUDGETED AMOUNT: N/A **FUNDS REQUESTED:** $30,000

FUND: Utility (03)

EXECUTIVE SUMMARY: The services in this contract will include an upfront renovation of the tank, and the installation of a much-needed mixer. This mixer is needed to help keep the water in the tank in constant movement. The tower must be drained periodically due to stratification, and high-water age. Annually the tank will be inspected and Utility Service Co., Inc. will provide a written report. Biennially the tank will have a washout inspection performed by Utility Service Co., Inc. Annual Fee for Contract Year 1 shall be $30,000.00. The Annual Fees for Contract Years 2, 3, and 4 shall be $95,642.00 per Contract Year. The Annual Fee for Contract Year 5 shall be $22,709.00.

RECOMMENDATION: Staff is looking for approval of agreement for tank maintenance, and the renovation of Northside Tower.

Overflow Tank Level: 35

Date	Time	Starting WC Height	Water Drained (Gals)
Wednesday, July 9, 2025	8:19	120.67	295,286
Thursday, July 10, 2025	9:23	119.16	273,714
Saturday, July 12, 2025	10:58	121.25	303,571
Wednesday, July 16, 2025	8:25	122.55	322,143
Thursday, July 17, 2025	8:40	121.11	301,571
Saturday, July 19, 2025	8:11	124.93	356,143
Monday, July 21, 2025	8:07	126.23	374,714
Wednesday, July 23, 2025	10:03	121.47	306,714
Saturday, July 26, 2025	9:44	124.43	349,000
Sunday, July 27, 2025	11:14	114.76	210,857
Tuesday, July 29, 2025	No Data	*123.17*	331,042
Wednesday, July 30, 2025	No Data	*123.17*	331,042
Thursday, July 31, 2025	No Data	*123.17*	331,042
Friday, August 1, 2025	No Data	*123.17*	331,042
Wednesday, August 6, 2025	No Data	*123.17*	331,042
Thursday, August 7, 2025	8:30	*112.00*	171,429
Tuesday, August 12, 2025	No Data	*123.17*	331,042
Wednesday, August 13, 2025	9:07	118.36	262,286
Thursday, August 21, 2025	7:26	121.61	308,714
Sunday, August 24, 2025	9:32	119.52	278,857
Tuesday, August 26, 2025	9:28	125.22	360,286
Thursday, August 28, 2025	9:23	120.75	296,429
Saturday, August 30, 2025	11:41	133.38	476,857
Monday, September 1, 2025	12:55	123.34	333,429
Tuesday, September 2, 2025	12:30	125.8	368,571
Thursday, September 4, 2025	14:46	128.97	413,857
Friday, September 5, 2025	11:23	120.89	298,429
Saturday, September 6, 2025	9:17	123.49	335,571
Sunday, September 7, 2025	14:30	130.56	436,571
Monday, September 8, 2025	11:05	124.07	343,857
Tuesday, September 9, 2025	8:35	123.63	337,571
Wednesday, October 1, 2025	13:27	132.37	462,429
Monday, October 6, 2025	10:06	125.22	360,286
Wednesday, October 15, 2025	14:01	131.36	448,000
Saturday, October 18, 2025	11:48	128.18	402,571
Sunday, October 19, 2025	***10:27***	***127.6***	***591,429***

Residual Draining	Residual Filling
	1.14
	0.51
	0.92
	0.64
	1.93
	1.81
	1.63
	1.23
	0.54
	0.52
	0.5
0.56	0.86
	0.76
	0.69
	Not refilled today
0.37	1.96
0.31	2.06
	2.02
	1.78
	1.21
	1.02
	1.21
	0.81
	0.57
	1.02
0.35	0.52
0.4	0.59
0.21	1.23
	0.56
	1.05
0.37	2.24
0.2	0.73
0.33	2.38
0.4	1.81
0.09	1.28
0.46	***2.9***

Total Water Used:
Total Cost (BWA Purchase Price):
Total Cost (Lost Sales {Base Rate Charge}):

Residual Comments
Declined from 2.48 ppm to below minimum (0.5 ppm) in 1 day
1.14 ppm to below minimum in 1 day
0.73 ppm to below minimum in 1 day
1.15 ppm to below minimum in 2 days
0.64 ppm residual died overnight
1.93 ppm residual to below minimum in 2 days
1.81 ppm to below minimum in 2 days
1.63 ppm to below minimum in 2 days
1.23 ppm to below minimum in 4 days; sharp drop on last day
0.54 ppm residual died overnight
1.58 ppm to below minimum overnight
2.06 ppm to below minimum overnight
1.55 ppm to below minimum in 4 days
1.78 ppm to below minimum in 4 days
1.04 ppm to below minimum overnight
1.21 ppm to below minimum in 2 days
Unstable residual from last fill limped to 9-1
0.57 ppm residual died overnight
1.23 ppm residual died overnight
Unstable residual from last fill
1.05 ppm residual died overnight
Residual declined from 9-27 to 10-1
Wild swings in residual since 10-1
Unstable residual from 10-10 to 10-15 with a slow trend of degrading residuals
1.81 ppm to below minimum in 4 days
3.01 ppm to below minimum in 3 days

12,367,393 Gallons
$56,890.01
$152,489.95

Comments
Incremental Flushing on Main lines from WP #2 leading to NSEST to verify residual (114,804 gallons)
Incremental Flushing performed from WP#2 and WP#3 to NSEST 7-22-25 to verify residual (539,204 ga
**Values for 7-29 through 8-12 were averaged from all other draining cycles due to SCADA outage*
Incremental flushing on alternate lines from WP#2 to NSEST to verify residual (47,335 gallons); attempte
Tank drained partly to facilitate a visual inspection with Clark Northup; Directional flushing on alternate lir
Flushing at Hospital due to low residual (344,282 gallons)
Drained for chemical cleaning scheduled for August 7
Tank was refilled after cleaning completion on August 8
Setpoints changed to lower the NSEST operating level to attempt to improve exchange rates
Residuals good (1.70+) in Distribution leading to the Hospital
Started monitoring pH and Temperature (Sporadically)
Refilled from Downing side only
Started monitoring pH and Temperature (Daily)
Started monitoring Monochloramine and Free Ammonia daily
Tank filling with Tinsley water line only. Downing side remains closed to present
First time Southside EST has needed draining during this event, probably due to changed setpoir

llons)

ed batch dosage of tank failed to remedy issues
nes from WP#2 to NSEST to verify residual (10,875 gallons); Date of Myrtle St. Leak

nts. Residual is stable to date

USG WATER SOLUTIONS

Utility Service Co., Inc.

Water Tank Maintenance Contract

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Owner: City of Angleton
Angleton, TX

Tank Size/Name: 500,000 Gallon Elevated –
Northside Elevated North Tinsley Tank

Location: 1400 North Tinsley

Date Prepared: October 8, 2025

535 Gen Courtney Hodges Blvd · P O Box 1350 · Perry, GA 31069
Toll-free: 855.526.4413 | Fax: 478.987.2991

WATER TANK MAINTENANCE CONTRACT

This Water Tank Maintenance Contract (hereinafter, "the Contract") is entered into by and between the **City of Angleton, TX, whose business address is 121 South Velasco Street, Angleton, TX 77515** (hereinafter, "the Owner") and Utility Service Co., Inc., whose business address is 535 General Courtney Hodges Boulevard, Post Office Box 1350, Perry, Georgia 31069 (hereinafter, "the Company"). The Owner and the Company shall be individually referred to herein as "a Party" or collectively referred to herein as "the Parties".

Therefore, in consideration of the mutual promises contained herein and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Owner and the Company, the Parties agree as follows:

1. Company's Engagement and Responsibilities. The Owner agrees to engage the Company to provide the professional services needed to maintain its **500,000** gallon water storage tank located at **1400 North Tinsley, Angleton, TX 77515 (by Northside Elementary School)** (hereinafter, "the Tank"). The professional services entail the upfront renovation (hereinafter, the "Upfront Renovation") of the Tank and subsequent maintenance activities thereafter. Upfront Renovation and maintenance activities are collectively referred to as "the Services" in this Contract, and include the following:

a. The Tank shall receive an Upfront Renovation, which will include**: installation of mixer prior to the end of Contract Year 1 and interior and exterior renovation with repairs prior to the end of Contract Year 2.** For purposes of this Contract, "Contract Year" shall mean the 12-month period which commences on the first day of the month when the Contract is executed by the Owner and each successive 12-month period thereafter (hereinafter, "Contract Year" or collectively, "Contract Years").
b. Annually, the Company will inspect the Tank to ensure that the structure is in a sound, watertight condition. The Company will provide a written inspection report to the Owner following each inspection.
c. Biennially, after the Tank is drained by the Owner, the Company will clean the interior of the Tank and perform a condition assessment on the Tank (hereinafter "Washout Inspection"). During each Washout Inspection, the Tank will be cleaned to remove all mud, silt, and other accumulations from the interior of the Tank. After a Washout Inspection is completed, the interior of the Tank will be thoroughly inspected and disinfected prior to returning the Tank to service; however, the Owner is responsible for draining and filling the Tank and conducting any required testing of the water before returning the Tank to service.
d. The Company shall provide the engineering and inspection services needed to maintain and repair the Tank during the term of this Contract. The repairs include: the Tank's expansion joints, water level indicators, sway rod adjustments, vent screens, manhole covers/gaskets, and the Tank's other steel parts not otherwise excluded hereinafter.
e. The Company will clean and repaint the interior and/or exterior of the Tank at such time as complete repainting is needed. The need for interior painting of the Tank is to be determined by the thickness of the existing liner and its protective condition. Only materials approved for use in potable water tanks will be used on any interior surface

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area. The need for exterior painting of the Tank is to be determined by the appearance and protective condition of the existing paint. At the time that the exterior requires repainting, the Company agrees to paint the Tank with a coating that is the same color as the existing coating and to select a coating system which best suits the site conditions, environment, and general location of the Tank. When interior or exterior painting of the Tank is needed, all products and procedures as to coating systems will be equal to or exceed the requirements of the **State of Texas** and the American Water Works Association's D102 standard in effect as of the Effective Date, defined in the signature block hereinafter.

f. The Company will install a lock on the roof hatch of the Tank; however, the provision of such lock does not guarantee the Tank's security during the term of the Contract. For the avoidance of doubt, security of the Tank and the site where the Tank is located (hereinafter, "Tank Site") are the responsibility of the Owner.

g. In the event of an emergency involving the Tank, the Owner shall provide written notice of such emergency to the Company via its email hotline at the following address: customerservice@usgwater.com. The Company will provide emergency services for the Tank, when needed, to perform all repairs covered under this Contract. Reasonable travel time must be allowed for the repair unit to reach the Tank Site.

h. When the Tank is taken out of service, the Company will furnish pressure relief valves, if requested by the Owner, so that the Owner can install the valves in its water system while the Tank is being serviced. The Owner assumes all risk and liability for the installation and use of the pressure relief valves.

i. The Company will furnish the Owner with current certificates of insurance, which will summarize the Company's insurance coverage.

j. **Mixing System Installation and Service.**
   1. The Company shall install an active mixing system in the Tank.
   2. The particular unit that will be installed in the Tank is a NSF Approved PAX 150/155 active mixing system along with its component parts.
   3. The Company will inspect and service the active mixing system each year. The active mixing system will be thoroughly inspected to ensure that the active mixing system is good working condition. The Company shall furnish engineering and inspection services needed to maintain and repair the active mixing system during the term of this Contract.
   4. The Owner shall be responsible for draining the tank if determined necessary by the Company due to operational problems with the mixing system. The provisions of Section 1.B shall be followed in this circumstance.

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2. Contract Price/Annual Fees. For the performance of the Services required by Section 1, the Owner shall pay the Company an Annual Fee (hereinafter, "Annual Fee") for each Contract Year of the Contract. The Annual Fee for **Contract Year 1** shall be **$30,000.00**. The Annual Fees for **Contract Years 2, 3, and 4** shall be **$95,642.00** per Contract Year. The Annual Fee for **Contract Year 5** shall be **$22,709.00**. Each Contract Year thereafter, the Annual Fee shall be adjusted to reflect the current cost of service. The adjustment of the Annual Fee shall be limited to a maximum of 5% annually. All applicable taxes are the responsibility of the Owner and are in addition to the stated costs and fees in this Contract.

3. Payment Terms and Late Charges.

a. The Annual Fee for Contract **Year 1,** plus all applicable taxes, shall be due and payable **within ninety (90) days of the Owner's execution of the Contract.**
b. **Each subsequent Annual Fee, plus all applicable taxes, shall be due and payable on the first day of each Contract Year thereafter.**
c. If the Annual Fee, plus all applicable taxes, are not paid within ninety (90) days of the date of invoice, the Company will charge the Owner a late fee on unpaid balances and may also terminate or suspend Services under this Contract without notice. Any late fee will be 1.5% per month.

4. Changes or Delays to Services. For purposes of this Section 4, "Unreasonable Delay" shall mean the Owner's delay in releasing the Tank or making the Tank available to the Company for the performance of any of the Services described herein for a period of twenty-four (24) months following the Company's written request for release or access to the Tank. In the event of Unreasonable Delay, the Company reserves the right to recover its reasonable costs related to the Unreasonable Delay, and the Owner agrees to negotiate with the Company in good faith to determine the amount of its reasonable costs caused by such Unreasonable Delay. Furthermore, the Owner hereby agrees that the Company can replace a Washout Inspection of the Tank with a visual inspection, remotely operated vehicle inspection ("ROV Inspection"), or unmanned aerial vehicle inspection ("UAV Inspection") at the Company's discretion, and such replacement does not constitute a modification of this Contract.

5. Structure of Tank, Tank Site Conditions, and Modifications.

a. In providing the Services, the Company accepts the Tank based upon its existing structure and components as of the Effective Date.
b. ***Any modifications to the Tank after the Effective Date, including antenna installations, shall first be approved by the Company (prior to installation) and may warrant an increase in the Annual Fees.***
c. Changes in the condition of the Tank Site and/or any adjoining properties (e.g., construction of a mall next to the Tank Site which significantly increases the risk of overspray claims, etc.) following the Effective Date, which cause an increase in the Company's cost in delivering the Services, will be just cause for an equitable adjustment of the Annual Fees in this Contract.

6. Environmental, Health, Safety, Labor, or Industry Requirements. The Owner hereby agrees that the promulgation of, enactment of, or modification to any environmental, health, safety, or labor laws, regulations, orders, or ordinances (e.g., EPA or OSHA regulations or standards) following the Effective Date of this Contract, which cause an increase in the cost of the maintenance of the Tank, will be just cause for an equitable adjustment of the Annual Fees in this Contract. Furthermore, modifications to industry requirement(s) including, but not limited to, standard(s) or other guidance documents issued by the American Water Works Association, National Sanitary Foundation, and the Association for Materials Protection and Performance, which cause an increase in the cost of the maintenance of the Tank, will be just cause for an equitable adjustment of the Annual Fees in this Contract. Said equitable adjustment of

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the Annual Fees in this Contract will reasonably reflect the increased cost of the Services with newly negotiated Annual Fee(s).

The Parties agree that the Company's Annual Fees are based on the Owner's representation that the work to be performed under this Contract is not subject to prevailing wage requirements. The Owner agrees to notify the Company immediately, if the Company's work is (or will become) subject to prevailing wage requirements, so that the Company may submit revised amounts for Annual Fees.

7. Excluded Items. This Contract does NOT include the cost for and/or liability on the part of the Company for: (i) containment of the Tank at any time during the term of the Contract; (ii) disposal of any hazardous waste materials; (iii) resolution of operational problems or structural damage due to cold weather; (iv) repair of structural damage due to antenna installations or other attachments for which the Tank was not originally designed; (v) resolution of operational problems or repair of structural damage or site damage caused by physical conditions below the surface of the ground; (vi) negligent acts of Owner's employees, agents or contractors; (vii) damages, whether foreseen or unforeseen, caused by the Owner's use of pressure relief valves; (viii) repairs to the foundation of the Tank; (ix) any latent defects or inaccessible areas of the Tank or its components (including, but not limited to, (a) corrosion from the underside of the floor plates, and (b) inaccessible areas of the Tank such as the area between the bottom of the roof plate and the top of the roof rafter); (x) the maintenance, repair or replacement of any electrical components (to include any lighting, such as aviation lights); (xi) the maintenance, repair or replacement of fill lines, insulation, and/or frost jackets; (xii) the maintenance, repair, or replacement of piping of any kind below ground level; and (xiii) other conditions which are beyond the Owner's and Company's control, including, but not limited to: acts of God and acts of terrorism. Acts of God include, but are not limited to, any damage to the Tank or Tank Site which is caused by seismic activity, hurricanes, and/or tornadoes. Acts of terrorism include, but are not limited to, any damage to the Tank or Tank Site which results from an unauthorized entry of any kind to the Tank or Tank Site.

8. Force Majeure. If the Company is prevented from performing any of its duties or obligations hereunder (other than duties or obligations with respect to payment) in a timely manner by reason of act of God or force majeure such as: (i) fire, (ii) war, (iii) earthquake, (iv) strike, (v) lock-out, (vi) labor dispute, (vii) flood, (viii) public disaster, (ix) pandemic or epidemic event (including COVID-19), (x) interruptions or delays in reasonably available means of transportation, (xi) acts of any government or its agencies or officers, or any order, regulation, or ruling thereof, to include tariffs, (xii) equipment or technical malfunctions or failures, (xiii) power failures or interruptions, (xiv) supply chain disruptions, or (xv) any other reason beyond its reasonable control, such condition shall be deemed to be a valid excuse for delay of performance or for nonperformance of any such duty or obligation for the period during which such condition exists.

9. Termination.

a. **This Contract is an annual contract that shall automatically renew on an annual basis for successive Contract Years so long as the Owner:**
   i. pays each Annual Fee to the Company in accordance with the terms herein, and
   ii. does not terminate the Contract pursuant to the terms of this Section.

b. This Contract is subject to termination by the Owner only at the end of the then-current Contract Year if written notice of intent to terminate is received by the Company at least ninety (90) days prior to the first day of the upcoming Contract Year. If the notice of intent to terminate is not received at least ninety (90) days prior to the first day of the upcoming Contract Year, this Contract shall renew for an additional Contract Year and expire at the end of the upcoming Contract Year. In such an event, the Owner agrees that it shall be responsible to pay the Annual Fee for the upcoming Contract Year. The notice of intent to terminate must be sent by certified mail, with return receipt

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requested, to Utility Service Co., Inc., Attention: Customer Service, Post Office Box 1350, Perry, Georgia 31069, and signed by three (3) authorized voting officials of the Owner's governing body (e.g., commission or council). Notice of intent to terminate cannot be delivered electronically or verbally (e.g., email, text, phone call, etc.).

c. In the event the Owner elects to terminate this Contract prior to remitting the first **Three (3)** Annual Fees, then any such unpaid balance of the first **Three (3)** Annual Fees shall be due and payable within thirty (30) days of the Owner's issuance of the notice of intent to terminate at the end of the then-current Contract Year.

10. Assignment. The Owner may not assign or otherwise transfer all or any of its interest under this Contract without the prior written consent of the Company. If the Company agrees to the assignment, the Owner shall remain responsible under this Contract, until its assignee assumes in full and in writing all of the obligations of the Owner under this Contract. Any attempted assignment by Owner in violation of this provision will be void and of no effect.

11. Indemnification. THE COMPANY AGREES TO INDEMNIFY THE OWNER AND HOLD THE OWNER HARMLESS FROM CLAIMS, DEMANDS, ACTIONS, DAMAGES, LIABILITY, AND EXPENSE IN CONNECTION WITH LOSS OF LIFE, PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY BY REASON OF AND TO THE EXTENT OF ANY NEGLIGENT ACT OF THE COMPANY OR ITS SUBCONTRACTORS, AGENTS, OR EMPLOYEES. IN TURN, THE OWNER AGREES TO INDEMNIFY THE COMPANY AND HOLD THE COMPANY HARMLESS FROM CLAIMS, DEMANDS, ACTIONS, DAMAGES, LIABILITY, AND EXPENSE IN CONNECTION WITH LOSS OF LIFE, PERSONAL INJURY, AND/OR DAMAGE TO PROPERTY BY REASON OF AND TO THE EXTENT OF ANY NEGLIGENT ACT OF THE OWNER OR ITS CONTRACTORS, AGENTS, OR EMPLOYEES.

12. Assignment of Receivables. The Company reserves the right to assign any outstanding receivables from this Contract to its banking institution as collateral for any loans or lines of credit.

13. Miscellaneous Items. No modifications, amendments, or alterations of this Contract may be made, except in a writing signed by the Parties. No failure or delay on the part of any Party hereto in exercising any power or right hereunder shall operate as a waiver thereof. The Parties expressly warrant that the individuals who sign below are authorized to bind them.

14. Visual Inspection Disclaimer. This Contract is based upon a visual inspection of the Tank. The Owner and the Company hereby acknowledge and agree that a visual inspection is intended to assess the condition of the Tank for all patent defects. If latent defects are identified once the Tank has been drained and is made available to the Company, the Owner agrees and acknowledges that the Company shall not be responsible to repair the latent defects unless the Owner and the Company re-negotiate the Annual Fees. The definition of a "latent defect" shall be any defect of the Tank which is not easily discovered (e.g., corrosion of the floor plates, corrosion of the roof plates or rafters, corrosion in areas inaccessible to maintain, damage to the roof of the Tank which is not clearly discoverable during the visual inspection, etc.).

15. Excessive Inflation. In the event that the aggregate of the Annual Inflation Rates (defined herein below) established for two (2) consecutive calendar years during the term of this Contract exceeds 12% in total, the Owner and the Company agree to renegotiate the Annual Fees and increase the Annual Fees throughout the remaining term of the Contract to compensate the Company for the excessive inflation. For purposes of this provision, the Annual Inflation Rate for each calendar year shall be established by the *Engineering News Report – Construction Cost Index ("ENR-CCI").* In the event that the ENR-CCI index is discontinued, the Owner and the Company will negotiate and agree to an alternative index or methodology to address the excessive inflation. For illustrative purposes, if a Contract is executed in

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2022, the first equitable adjustment could not be made until both the 2023 inflation rate and the 2024 inflation rate have been established. If the annual inflation rates for 2023 and 2024 are 5.0% and 7.1%, respectively, the Owner and the Company agree to renegotiate the current year's Annual Fee as well as the remaining Annual Fees for the remainder of the term of the Contract to address the excessive inflation.

16. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which taken together shall constitute one and the same Agreement. The Parties may utilize electronic means (including facsimile and e-mail) to execute and transmit the Agreement and all such electronically executed and/or transmitted copies of the Agreement shall be deemed as valid as originals.

17. Entire Agreement. This Agreement constitutes the entire agreement of the Parties and supersedes all prior communications, understandings, and agreements relating to the subject matter hereof, whether oral or written.

This Contract is executed and effective as of the date ("the Effective Date") that the last Party signs this Contract below.

OWNER:	COMPANY:
City of Angleton	**Utility Service Co., Inc.**
By: _____	By: _____
Title: _____	Title: _____
Print Name: _____	Print Name: _____
Date: _____	Date: _____
Witness: _____	Witness: _____
Seal:	**Seal:**

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THE HEART OF BRAZORIA COUNTY ANGLETON

AGENDA ITEM SUMMARY FORM

MEETING DATE: October 28, 2025

PREPARED BY: Susie J Hernandez, Finance Director

AGENDA CONTENT: Discussion and Possible Action on Ordinance No. 20251028-015 An Ordinance by the City Council of the City of Angleton, Texas Authorizing the Issuance and Sale of the City of Angleton, Texas, Combination Tax and Revenue Certificates of Obligation, Series 2025; Levying a Tax and Providing for the Security and Payment Thereof; And Enacting Other Provisions Relating Thereto

AGENDA ITEM CTION Regular Agenda

BUDGETED AMOUNT: N/a

FUNDS REQUESTED: N/A

FUND: N/A

EXECUTIVE SUMMARY:

Authorizing the issuance of Combination Tax and Revenue Certificate of Obligations Series 2025 in the amount of $7,960,000 for the costs associated with the design, construction, acquisition and equipment of water and sewer system improvements including wastewater treatment plant improvements and the costs of professional services related.

RECOMMENDATION:

Approval of the Issuance of the Bond.

ORDINANCE NO. 20251028-015

AUTHORIZING THE
ISSUANCE OF

CITY OF ANGLETON, TEXAS
COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION
SERIES 2025

Adopted: October 28, 2025

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ORDINANCE NO. 20251028-015

AN ORDINANCE BY THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS AUTHORIZING THE ISSUANCE AND SALE OF THE CITY OF ANGLETON, TEXAS, COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION, SERIES 2025; LEVYING A TAX AND PROVIDING FOR THE SECURITY AND PAYMENT THEREOF; AND ENACTING OTHER PROVISIONS RELATING THERETO

THE STATE OF TEXAS §
COUNTY OF BRAZORIA §
CITY OF ANGLETON §

WHEREAS, under the provisions of Subchapter C, Chapter 271, Texas Local Government Code, as amended (the "Act"), the City of Angleton, Texas (the "City"), is authorized to issue certificates of obligation for the purposes specified in this Ordinance and for the payment of all or a portion of the contractual obligations for professional services, including that of engineers, attorneys, and financial advisors in connection therewith, and to sell the same for cash as herein provided; and

WHEREAS, the City is authorized to provide that such obligations will be payable from and secured by a direct and continuing annual ad valorem tax levied, within the limits prescribed by law, on all taxable property within the City, in combination with a limited pledge of a subordinate lien on the Net Revenues (as defined herein) of the City's waterworks and sanitary sewer system (the "System") in an amount not to exceed $1,000 as authorized by the Act and Chapter 1502, Texas Government Code, as amended; and

WHEREAS, pursuant to a resolution heretofore passed by this governing body, notice of intention to issue certificates of obligation of the City payable as provided in this Ordinance was published in a newspaper of general circulation in the City and posted on the City's website in accordance with the laws of the State of Texas, which notice provided that the principal amount of such certificates of obligation would not exceed $8,225,000 and the proceeds would be used for the costs associated with (i) the design, construction, acquisition and equipment of water and sewer system improvements, including wastewater treatment plant improvements, and (ii) the costs of professional services related thereto; and

WHEREAS, the City Council of the City (the "City Council") hereby finds and determines that it is necessary and in the best interests of the City and its citizens that it issue such certificates of obligation authorized by this Ordinance; and

WHEREAS, the City Council hereby finds and determines that the projects described in Section 3.1 of this Ordinance constitute "public works" as such term is defined in Section 271.043 (7-a) of the Texas Local Government Code, as amended, and such projects are eligible to be financed through the issuance of certificates of obligation; and

WHEREAS, such notice provided that the City tentatively planned to consider the passage of an ordinance authorizing the issuance of the Certificates on October 28, 2025; and

WHEREAS, no petition of any kind has been filed with the City Secretary, any member of the City Council or any other official of the City, protesting the issuance of such certificates of obligation; and

WHEREAS, this City Council is now authorized and empowered to proceed with the issuance of said certificates of obligation and to sell the same for cash; and

WHEREAS, the meeting at which this Ordinance is considered is open to the public as required by law, and public notice of the time, place, and purpose of said meeting was given as required by Chapter 551, Texas Government Code, as amended.

NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS:

ARTICLE I

DEFINITIONS AND OTHER PRELIMINARY MATTERS

Section 1.1. Definitions.

Unless otherwise expressly provided in this Ordinance or unless the context clearly requires otherwise, the following terms shall have the meanings specified below:

"Act" means Subchapter C, Chapter 271, Texas Local Government Code, as amended.

"Bond Counsel" means Bracewell LLP.

"Business Day" means a day that is not a Saturday, Sunday, legal holiday or other day on which banking institutions in the city where the Designated Payment/Transfer Office is located are required or authorized by law or executive order to close.

"Certificate" or "Certificates" means the City's certificates of obligation entitled, "City of Angleton, Texas, Combination Tax and Revenue Certificates of Obligation, Series 2025" authorized to be issued by Section 3.1 of this Ordinance.

"City" means the City of Angleton, Texas.

"City Council" means the City Council of the City.

"Closing Date" means the date of the initial delivery of and payment for the Certificates.

"Code" means the Internal Revenue Code of 1986, as amended, and with respect to a specific section thereof, such reference shall be deemed to include (a) the Regulations promulgated under such section, (b) any successor provision of similar import hereafter enacted, (c) any corresponding provision of any subsequent Internal Revenue Code and (d) the regulations promulgated under the provisions described in (b) and (c).

"Dated Date" means November 15, 2025.

"Debt Service Fund" means the debt service fund established by Section 2.2 of this Ordinance.

"Designated Payment/Transfer Office" means (i) with respect to the initial Paying Agent/Registrar named in this Ordinance, the Designated Payment/Transfer Office as designated in the Paying Agent/Registrar Agreement, or at such other location designated by the Paying Agent/Registrar and (ii) with respect to any successor Paying Agent/Registrar, the office of such successor designated and located as may be agreed upon by the City and such successor.

"DTC" means The Depository Trust Company of New York, New York, or any successor securities depository.

"DTC Participant" means brokers and dealers, banks, trust companies, clearing corporations and certain other organizations on whose behalf DTC was created to hold securities to facilitate the clearance and settlement of securities transactions among DTC Participants.

"Financial Obligation" means a (i) debt obligation, (ii) derivative instrument entered into in connection with, or pledged as security or a source of payment for, an existing or planned debt obligation, or (iii) guarantee of a debt obligation or any such derivative instrument; provided that "financial obligation" shall not include municipal securities as to which a final official statement (as defined in the Rule) has been provided to the MSRB consistent with the Rule.

"Fiscal Year" means such fiscal year as shall from time to time be set by the City Council.

"Initial Certificate" means the initial certificate authorized by Section 3.4 of this Ordinance.

"Insurer" means [_____].

"Interest Payment Date" means the date or dates upon which interest on the principal of the Certificates is scheduled to be paid until their respective dates of maturity or prior redemption, such dates being February 15 and August 15 of each year, commencing on February 15, 2026.

"Maturity" means the date on which the principal of the Certificates becomes due and payable according to the terms thereof, or by proceedings for prior redemption.

"MSRB" means the Municipal Securities Rulemaking Board.

"Net Revenues" means the revenues to be derived from the System, after the payment of all operation and maintenance expenses thereof.

"Ordinance" as used herein and in the Certificates means this ordinance authorizing the Certificates.

"Owner" means the person who is the registered owner of a Certificate or Certificates, as shown in the Register.

"Paying Agent/Registrar" means initially The Bank of New York Mellon Trust Company, N.A., or any successor thereto as provided in this Ordinance.

"Paying Agent/Registrar Agreement" means the Paying Agent/Registrar Agreement between the Paying Agent/Registrar and the City relating to the Certificates.

"Purchase Agreement" means the purchase agreement between the City and the Underwriters pertaining to the sale of the Certificates.

"Record Date" means the last Business Day of the month next preceding an Interest Payment Date.

"Register" means the certificate register specified in Section 3.6(a) of this Ordinance.

"Regulations" means the applicable, proposed, temporary or final Treasury Regulations promulgated under the Code, or, to the extent applicable to the Code, under the Internal Revenue Code of 1954, as such regulations may be amended or supplemented from time to time.

"Representation Letter" means the Blanket Letter of Representations between the City and DTC.

"Rule" means SEC Rule 15c2-12, as amended from time to time.

"Representative" means BOK Financial Securities, Inc.

"SEC" means the United States Securities and Exchange Commission.

"State" means the State of Texas.

"System" as used in this Ordinance means the City's waterworks and sanitary sewer system.

"Unclaimed Payments" means money deposited with the Paying Agent/Registrar for the payment of principal, redemption premium, if any, or interest on the Certificates as the same becomes due and payable or money set aside for the payment of Certificates duly called for redemption prior to maturity and remaining unclaimed by the Owners of such Certificates for 90 days after the applicable payment or redemption date.

"Underwriters" means BOK Financial Securities, Inc. and Raymond James & Associates, Inc.

Section 1.2. Findings.

The declarations, determinations, and findings declared, made, and found in the preamble to this Ordinance are hereby adopted, restated, and made a part of the operative provisions hereof.

Section 1.3. Table of Contents, Titles, and Headings.

The table of contents, titles, and headings of the Articles and Sections of this Ordinance have been inserted for convenience of reference only and are not to be considered a part hereof and shall not in any way modify or restrict any of the terms or provisions hereof and shall never be considered or given any effect in construing this Ordinance or any provision hereof or in ascertaining intent, if any question of intent should arise.

Section 1.4. Interpretation.

(a) Unless the context requires otherwise, words of the masculine gender shall be construed to include correlative words of the feminine and neuter genders and vice versa, and words of the singular number shall be construed to include correlative words of the plural number and vice versa.

(b) Any action required to be taken on a date which is not a Business Day shall be taken on the next succeeding Business Day and have the same effect as if taken on the date so required.

(c) This Ordinance and all the terms and provisions hereof shall be liberally construed to effectuate the purposes set forth herein and to sustain the validity of this Ordinance.

(d) Article and section references shall mean references to articles and sections of this Ordinance unless otherwise designated.

(e) The findings and determinations contained in the recitals to this Ordinance are incorporated herein for all purposes.

ARTICLE II

TAX LEVY; DEBT SERVICE FUND; PLEDGE OF REVENUES

Section 2.1. Tax Levy.

(a) Pursuant to the authority granted by the Texas Constitution and the laws of the State, there shall be levied and there is hereby levied for the current year and for each succeeding year hereafter while any of the Certificates or any interest thereon is outstanding and unpaid, an ad valorem tax on each one hundred dollars valuation of taxable property within the City, at a rate sufficient, within the limit prescribed by law, to pay the debt service requirements of the Certificates, being (i) the interest on the Certificates, and (ii) a sinking fund for their redemption at maturity or a sinking fund of 2% per annum (whichever amount is greater), when due and payable, full allowance being made for delinquencies and costs of collection.

(b) The ad valorem tax thus levied shall be assessed and collected each year against all property appearing on the tax rolls of the City most recently approved in accordance with law and the money thus collected shall be deposited as collected to the Debt Service Fund.

(c) Said ad valorem tax, the collections therefrom, and all amounts on deposit in or required hereby to be deposited to the Debt Service Fund are hereby pledged and committed irrevocably to the payment of the principal of and interest on the Certificates when and as due and payable in accordance with their terms and this Ordinance and associated expenses.

Section 2.2. Debt Service Fund.

(a) The City hereby establishes a special fund or account to be designated the "City of Angleton, Texas, Combination Tax and Revenue Certificates of Obligation, Series 2025, Debt Service Fund" (the "Debt Service Fund") with said fund to be maintained at an official depository bank of the City separate and apart from all other funds and accounts of the City.

(b) Money on deposit in, or required by this Ordinance to be deposited to, the Debt Service Fund shall be used solely for the purpose of paying the interest on and principal of the Certificates when and as due and payable and associated costs in accordance with their terms and this Ordinance.

(c) To pay debt service coming due on the Certificates prior to receipt of the taxes levied to pay such debt service, there is hereby appropriated from current funds on hand, which are hereby certified to be on hand and available for such purpose, an amount sufficient to pay such debt service, and such amount shall be used for no other purpose.

Section 2.3. Pledge of Revenues.

The Net Revenues to be derived from the operation of the System in an amount not to exceed $1,000 are hereby pledged to the payment of the principal of and interest on the Certificates as the same come due; provided, however, that such pledge is and shall be junior and subordinate in all respects to the pledge of the revenues of the System to the payment of all outstanding obligations of the City and any obligation of the City, whether authorized heretofore or hereafter, that the City designates as having a pledge senior to the pledge of the Net Revenues to the payment of the Certificates. The City also reserves the right to issue, for any lawful purpose at any time, in one or more installments, bonds, certificates of obligation and other obligations of any kind payable in whole or in part from the revenues of the System, secured by a pledge of the revenues of the System that may be prior and superior in right to, on a parity with, or junior and subordinate to the pledge of Net Revenues securing the Certificates. The revenues of the System available after the payment of all operation and maintenance expenses of the System, any debt service payable from gross revenues, net revenues, or Net Revenues of the System, if any, as well as other payments, costs or expenses designated in an ordinance authorizing the issuance of System revenue obligations may be used for any lawful purpose of the City.

ARTICLE III

AUTHORIZATION; GENERAL TERMS AND PROVISIONS REGARDING THE CERTIFICATES

Section 3.1. Authorization.

The City's "City of Angleton, Texas, Combination Tax and Revenue Certificates of Obligation, Series 2025" are hereby authorized to be issued and delivered in accordance with the Constitution and laws of the State, including particularly, the Act. The Certificates shall be issued in the aggregate principal amount of $[7,960,000] for the costs associated with (i) the design, construction, acquisition and equipment of water and sewer system improvements, including wastewater treatment plant improvements, and (ii) the costs of professional services related thereto.

Section 3.2. Date, Denomination, Maturities, and Interest.

(a) The Certificates shall be dated the Dated Date. The Certificates shall be in fully registered form, without coupons, in the denomination of $5,000 or any integral multiple thereof and shall be numbered separately from R-1 upward, except the Initial Certificate, which shall be numbered I-1.

(b) The Certificates shall mature on February 15 in the years and in the principal amounts set forth in the following schedule:

Year	Principal Amount	Interest Rate	Year	Principal Amount	Interest Rate
2026	$255,000	[____]%	2039	$325,000	[____]%
2027	165,000		2040	335,000	
2028	175,000		2041	350,000	
2029	185,000		2042	365,000	
2030	200,000		2043	380,000	
2031	210,000		2044	395,000	
2032	225,000		2045	410,000	
2033	240,000		2046	430,000	
2034	250,000		2047	445,000	
2035	270,000		2048	465,000	
2036	285,000		2049	485,000	
2037	295,000		2050	510,000	
2038	310,000				

(c) Interest shall accrue and be paid on each Certificate, respectively, until the principal amount thereof has been paid or provision for such payment has been made, from the later of the Closing Date or the most recent Interest Payment Date to which interest has been paid or provided for at the rate per annum for each respective maturity specified in the schedule contained in subsection (b) above. Such interest shall be payable semiannually on each Interest Payment Date, computed on the basis of a 360-day year composed of twelve 30-day months.

Section 3.3. Medium, Method, and Place of Payment.

(a) The principal of and interest on the Certificates shall be paid in lawful money of the United States of America.

(b) Interest on the Certificates shall be paid by check dated as of the Interest Payment Date, and sent by United States mail, first class, postage prepaid, by the Paying Agent/Registrar to each Owner, as shown in the Register at the close of business on the Record Date, at the address of each such Owner as such appears in the Register or by such other customary banking arrangements acceptable to the Paying Agent/Registrar and the person to whom interest is to be paid; provided, however, that such person shall bear all risk and expense of such other customary banking arrangements.

(c) The principal of each Certificate shall be paid to the Owner thereof at Maturity or upon prior redemption upon presentation and surrender of such Certificate at the Designated Payment/Transfer Office of the Paying Agent/Registrar.

(d) If the date for the payment of the principal of or interest on the Certificates is not a Business Day, then the date for such payment shall be the next succeeding Business Day, and payment on such date shall for all purposes be deemed to have been made on the due date thereof as specified in this Section.

(e) In the event of a nonpayment of interest on a scheduled payment date, and for 30 days thereafter, a new record date for such interest payment (a "Special Record Date") will be established by the Paying Agent/Registrar, if and when funds for the payment of such interest have been received from the City. Notice of the Special Record Date and of the special payment date of the past due interest (the "Special Payment Date"), which shall be fifteen (15) days after the Special Record Date, shall be sent at least five (5) Business Days prior to the Special Record Date by United States mail, first class, postage prepaid, to the address of each Owner of a Certificate appearing on the books of the Paying Agent/Registrar at the close of business on the last business day next preceding the date of mailing of such notice.

(f) Unclaimed Payments shall be segregated in a special account and held in trust, uninvested by the Paying Agent/Registrar, for the account of the Owner of the Certificates to which the Unclaimed Payments pertain. Subject to Title 6, Texas Property Code, Unclaimed Payments remaining unclaimed by the Owners entitled thereto for three (3) years after the applicable payment or redemption date shall be applied to the next payment or payments on the Certificates thereafter coming due and, to the extent any such money remains after the retirement of all outstanding Certificates, shall be paid to the City to be used for any lawful purpose. Thereafter, neither the City, the Paying Agent/Registrar nor any other person shall be liable or responsible to any holders of such Certificates for any further payment of such unclaimed moneys or on account of any such Certificates, subject to Title 6, Texas Property Code.

Section 3.4. Execution and Registration of Certificates.

(a) The Certificates shall be executed on behalf of the City by the Mayor or Mayor Pro Tem and the City Secretary, by their manual or facsimile signatures, and the official seal of the City shall be impressed or placed in facsimile thereon. Such facsimile signatures on the Certificates

shall have the same effect as if each of the Certificates had been signed manually and in person by each of said officers, and such facsimile seal on the Certificates shall have the same effect as if the official seal of the City had been manually impressed upon each of the Certificates.

(b) In the event that any officer of the City whose manual or facsimile signature appears on the Certificates ceases to be such officer before the authentication of such Certificates or before the delivery thereof, such signature nevertheless shall be valid and sufficient for all purposes as if such officer had remained in such office.

(c) Except as provided below, no Certificate shall be valid or obligatory for any purpose or be entitled to any security or benefit of this Ordinance unless and until the Certificate of Paying Agent/Registrar, substantially in the form provided herein, has been duly authenticated by manual execution by an officer or duly authorized signatory of the Paying Agent/Registrar. It shall not be required that the same officer or authorized signatory of the Paying Agent/Registrar sign the Certificate of Paying Agent/Registrar on all of the Certificates. In lieu of the executed Certificate of Paying Agent/Registrar described above, the Initial Certificate delivered at the Closing Date shall have attached thereto the Comptroller's Registration Certificate substantially in the form provided herein, manually executed by the Comptroller of Public Accounts of the State, or by his duly authorized agent, which certificate shall be evidence that the Initial Certificate has been duly approved by the Attorney General of the State, and that it is a valid and binding obligation of the City and has been registered by the Comptroller of Public Accounts of the State.

(d) On the Closing Date, one initial Certificate (the "Initial Certificate"), representing the entire principal amount of the Certificates, payable in stated installments to the Representative or its designee, executed by manual or facsimile signatures of the Mayor or Mayor Pro Tem and the City Secretary of the City, approved by the Attorney General of the State, and registered and manually signed by the Comptroller of Public Accounts of the State, will be delivered to the Representative or its designee. Upon payment for the Initial Certificate, the Paying Agent/Registrar shall cancel the Initial Certificate and deliver registered definitive Certificates to DTC in accordance with Section 3.9 hereof. To the extent the Paying Agent/Registrar is eligible to participate in DTC's FAST System, as evidenced by an agreement between the Paying Agent/Registrar and DTC, the Paying Agent/Registrar shall hold the definitive Certificates in safekeeping for DTC.

Section 3.5. Ownership.

(a) The City, the Paying Agent/Registrar and any other person may treat the Owner as the absolute owner of such Certificate for the purpose of making and receiving payment of the principal thereof, for the purpose of making and receiving payment of the interest thereon (subject to the provisions herein that the interest is to be paid to the person in whose name the Certificate is registered on the Record Date or Special Record Date, as applicable), and for all other purposes, whether or not such Certificate is overdue, and neither the City nor the Paying Agent/Registrar shall be bound by any notice or knowledge to the contrary.

(b) All payments made to the Owner of a Certificate shall be valid and effectual and shall discharge the liability of the City and the Paying Agent/Registrar upon such Certificate to the extent of the sums paid.

Section 3.6. Registration, Transfer, and Exchange.

(a) So long as any Certificates remain outstanding, the City shall cause the Paying Agent/Registrar to keep at its Designated Payment/Transfer Office a register (the "Register") in which, subject to such reasonable regulations as it may prescribe, the Paying Agent/Registrar shall provide for the registration and transfer of Certificates in accordance with this Ordinance.

(b) The ownership of a Certificate may be transferred only upon the presentation and surrender of the Certificate to the Paying Agent/Registrar at the Designated Payment/Transfer Office with such endorsement or other instrument of transfer and assignment as is acceptable to the Paying Agent/Registrar. No transfer of any Certificate shall be effective until entered in the Register.

(c) The Certificates shall be exchangeable upon the presentation and surrender thereof at the Designated Payment/Transfer Office for a Certificate or Certificates of the same maturity and interest rate and in any denomination or denominations of any integral multiple of $5,000, and in an aggregate principal amount equal to the unpaid principal amount of the Certificates presented for exchange.

(d) The Paying Agent/Registrar is hereby authorized to authenticate and deliver Certificates transferred or exchanged in accordance with this Section. A new Certificate or Certificates will be delivered by the Paying Agent/Registrar, in lieu of the Certificate being transferred or exchanged, at the Designated Payment/Transfer Office, or sent by United States mail, first class, postage prepaid, to the Owner or his designee. Each Certificate delivered by the Paying Agent/Registrar in accordance with this Section shall constitute an original contractual obligation of the City and shall be entitled to the benefits and security of this Ordinance to the same extent as the Certificate or Certificates in lieu of which such Certificate is delivered.

(e) No service charge shall be made to the Owner for the initial registration, any subsequent transfer, or exchange for a different denomination of any of the Certificates. The Paying Agent/Registrar, however, may require the Owner to pay a sum sufficient to cover any tax or other governmental charge that is authorized to be imposed in connection with the registration, transfer, or exchange of a Certificate.

(f) Neither the City nor the Paying Agent/Registrar shall be required to transfer or exchange any Certificate called for redemption, in whole or in part, within 45 days prior to the date fixed for redemption; provided, however, such limitation shall not be applicable to an exchange by the Owner of the uncalled balance of a Certificate.

Section 3.7. Cancellation.

All Certificates paid or redeemed before scheduled maturity in accordance with this Ordinance, and all Certificates in lieu of which exchange Certificates or replacement Certificates are authenticated and delivered in accordance with this Ordinance, shall be cancelled and proper records made regarding such payment, redemption, exchange, or replacement. The Paying Agent/Registrar shall dispose of such cancelled Certificates in the manner required by the Securities Exchange Act of 1934, as amended.

Section 3.8. Replacement Certificates.

(a) Upon the presentation and surrender to the Paying Agent/Registrar of a mutilated Certificate, the Paying Agent/Registrar shall authenticate and deliver in exchange therefor a replacement Certificate of like maturity, interest rate and principal amount, bearing a number not contemporaneously outstanding. The City or the Paying Agent/Registrar may require the Owner of such Certificate to pay a sum sufficient to cover any tax or other governmental charge that is authorized to be imposed in connection therewith and any other expenses connected therewith.

(b) In the event that any Certificate is lost, apparently destroyed or wrongfully taken, the Paying Agent/Registrar, pursuant to the applicable laws of the State and in the absence of notice or knowledge that such Certificate has been acquired by a bona fide purchaser, shall authenticate and deliver a replacement Certificate of like maturity, interest rate and principal amount, bearing a number not contemporaneously outstanding, provided that the Owner first complies with the following requirements:

(i) furnishes to the Paying Agent/Registrar satisfactory evidence of his or her ownership of and the circumstances of the loss, destruction, or theft of such Certificate;

(ii) furnishes such security or indemnity as may be required by the Paying Agent/Registrar and the City to save them harmless;

(iii) pays all expenses and charges in connection therewith, including, but not limited to, printing costs, legal fees, fees of the Paying Agent/Registrar, and any tax or other governmental charge that is authorized to be imposed; and

(iv) satisfies any other reasonable requirements imposed by the City and the Paying Agent/Registrar.

(c) If, after the delivery of such replacement Certificate, a bona fide purchaser of the original Certificate in lieu of which such replacement Certificate was issued presents for payment such original Certificate, the City and the Paying Agent/Registrar shall be entitled to recover such replacement Certificate from the person to whom it was delivered or any person taking therefrom, except a bona fide purchaser, and shall be entitled to recover upon the security or indemnity provided therefor to the extent of any loss, damage, cost, or expense incurred by the City or the Paying Agent/Registrar in connection therewith.

(d) In the event that any such mutilated, lost, apparently destroyed, or wrongfully taken Certificate has become or is about to become due and payable, the Paying Agent/Registrar, in its discretion, instead of issuing a replacement Certificate, may pay such Certificate when it becomes due and payable.

(e) Each replacement Certificate delivered in accordance with this Section shall constitute an original additional contractual obligation of the City and shall be entitled to the benefits and security of this Ordinance to the same extent as the Certificate or Certificates in lieu of which such replacement Certificate is delivered.

Section 3.9. Book-Entry-Only System.

(a) The definitive Certificates shall be initially issued in the form of a separate single fully registered Certificate for each maturity. Upon initial issuance, the ownership of each such Certificate shall be registered in the name of Cede & Co., as nominee of DTC, and except as provided in Section 3.10 hereof, all of the outstanding Certificates shall be registered in the name of Cede & Co., as nominee of DTC.

(b) With respect to Certificates registered in the name of Cede & Co., as nominee of DTC, the City and the Paying Agent/Registrar shall have no responsibility or obligation to any DTC Participant or to any person on behalf of whom such a DTC Participant holds an interest in the Certificates, except as provided in this Ordinance. Without limiting the immediately preceding sentence, the City and the Paying Agent/Registrar shall have no responsibility or obligation with respect to (i) the accuracy of the records of DTC, Cede & Co. or any DTC Participant with respect to any ownership interest in the Certificates, (ii) the delivery to any DTC Participant or any other person, other than an Owner, as shown on the Register, of any notice with respect to the Certificates, including any notice of redemption, or (iii) the payment to any DTC Participant or any other person, other than an Owner, as shown in the Register of any amount with respect to principal of, premium, if any, or interest on the Certificates. Notwithstanding any other provision of this Ordinance to the contrary, the City and the Paying Agent/Registrar shall be entitled to treat and consider the person in whose name each Certificate is registered in the Register as the absolute Owner of such Certificate for the purpose of payment of principal of, premium, if any, and interest on the Certificates, for the purpose of giving notices of redemption and other matters with respect to such Certificate, for the purpose of registering transfer with respect to such Certificate, and for all other purposes whatsoever. The Paying Agent/Registrar shall pay all principal of, premium, if any, and interest on the Certificates only to or upon the order of the respective Owners, as shown in the Register as provided in this Ordinance, or their respective attorneys duly authorized in writing, and all such payments shall be valid and effective to fully satisfy and discharge the City's obligations with respect to payment of principal of, premium, if any, and interest on the Certificates to the extent of the sum or sums so paid. No person other than an Owner, as shown in the Register, shall receive a certificate evidencing the obligation of the City to make payments of amounts due pursuant to this Ordinance. Upon delivery by DTC to the Paying Agent/Registrar of written notice to the effect that DTC has determined to substitute a new nominee in place of Cede & Co., and subject to the provisions in this Ordinance with respect to interest checks or drafts being mailed to the registered Owner at the close of business on the Record Date, the word "Cede & Co." in this Ordinance shall refer to such new nominee of DTC.

(c) The Representation Letter previously executed and delivered by the City, and applicable to the City's obligations delivered in book entry only form to DTC as securities depository, is hereby ratified and approved for the Certificates.

Section 3.10. Successor Securities Depository; Transfer Outside Book-Entry-Only System.

In the event that the City determines that it is in the best interest of the City and the beneficial owners of the Certificates that they be able to obtain certificated Certificates, or in the event DTC discontinues the services described herein, the City shall (i) appoint a successor

securities depository, qualified to act as such under Section 17(a) of the Securities Exchange Act of 1934, as amended, notify DTC and DTC Participants of the appointment of such successor securities depository and transfer one or more separate Certificates to such successor securities depository; or (ii) notify DTC and DTC Participants of the availability through DTC of certificated Certificates and cause the Paying Agent/Registrar to transfer one or more separate registered Certificates to DTC Participants having Certificates credited to their DTC accounts. In such event, the Certificates shall no longer be restricted to being registered in the Register in the name of Cede & Co., as nominee of DTC, but may be registered in the name of the successor securities depository, or its nominee, or in whatever name or names Owners transferring or exchanging Certificates shall designate, in accordance with the provisions of this Ordinance.

Section 3.11. Payments to Cede & Co.

Notwithstanding any other provision of this Ordinance to the contrary, so long as the Certificates are registered in the name of Cede & Co., as nominee of DTC, all payments with respect to principal of, premium, if any, and interest on such Certificates, and all notices with respect to such Certificates shall be made and given, respectively, in the manner provided in the Representation Letter of the City to DTC.

ARTICLE IV

REDEMPTION OF CERTIFICATES BEFORE MATURITY

Section 4.1. Limitation on Redemption.

The Certificates shall be subject to redemption before scheduled maturity only as provided in this Article IV.

Section 4.2. Optional Redemption.

(a) The City has reserved the right to redeem at its option the Certificates maturing on and after [February 15, 2035], in whole or from time to time in part, before their respective scheduled maturity dates, on [February 15, 2034], or on any date thereafter, at a redemption price equal to the principal amount thereof plus accrued interest to the date of redemption.

(b) The City, at least 45 days before the redemption date, unless a shorter period shall be satisfactory to the Paying Agent/Registrar, shall notify the Paying Agent/Registrar of such redemption and of the principal amount of Certificates to be redeemed.

Section 4.3. [Mandatory Sinking Fund Redemption.

(a) The Certificates designated as "Term Certificates" in the form of Certificate contained in Section 6.2(a) ("Term Certificates"), are subject to scheduled mandatory redemption and will be redeemed by the City, in part at a price equal to the principal amount thereof, without premium, plus accrued interest to the redemption date, out of moneys available for such purpose in the Debt Service Fund, on the dates and in the respective principal amounts as set forth in the form of Certificate contained in Section 6.2(a).

(b) Prior to each scheduled mandatory redemption date, the Paying Agent/Registrar shall select for redemption by lot, or by any other customary method that results in a random selection, a principal amount of Term Certificates equal to the aggregate principal amount of such Term Certificates to be redeemed, shall call such Term Certificates for redemption on such scheduled mandatory redemption date, and shall give notice of such redemption, as provided in Section 4.5.

(c) The principal amount of the Term Certificates required to be redeemed on any redemption date pursuant to the foregoing mandatory sinking fund redemption provisions hereof shall be reduced, at the option of the City, by the principal amount of any Term Certificates which, at least forty-five (45) days prior to the mandatory sinking fund redemption date (i) shall have been acquired by the City and delivered to the Paying Agent/Registrar for cancellation, or (ii) shall have been redeemed pursuant to the optional redemption provisions hereof and not previously credited to a mandatory sinking fund redemption.]

Section 4.4. Partial Redemption.

(a) If less than all of the Certificates are to be redeemed pursuant to Section 4.2 hereof, the City shall determine the maturity or maturities [(or mandatory sinking fund redemption amount within a maturity with respect to any Term Certificates)] and the principal amounts thereof to be redeemed and shall direct the Paying Agent/Registrar to call by lot, or other customary method that results in random selection, the Certificates, or portions thereof, within such maturity or maturities and in such principal amounts for redemption.

(b) A portion of a single Certificate of a denomination greater than $5,000 may be redeemed, but only in a principal amount equal to $5,000 or any integral multiple thereof. If such a Certificate is to be partially redeemed, the Paying Agent/Registrar shall treat each $5,000 portion of the Certificate as though it were a single Certificate for purposes of selection for redemption.

(c) Upon surrender of any Certificate for redemption in part, the Paying Agent/Registrar, in accordance with Section 3.6 of this Ordinance, shall authenticate and deliver an exchange Certificate or Certificates in an aggregate principal amount equal to the unredeemed portion of the Certificate so surrendered, such exchange being without charge.

(d) The Paying Agent/Registrar shall promptly notify the City in writing of the principal amount to be redeemed of any Certificate as to which only a portion thereof is to be redeemed.

Section 4.5. Notice of Redemption to Owners.

(a) The Paying Agent/Registrar shall give notice of any redemption of Certificates by sending notice by United States mail, first class postage prepaid, not less than 30 days before the date fixed for redemption, to the Owner of each Certificate (or part thereof) to be redeemed, at the address shown on the Register at the close of business on the Business Day next preceding the date of mailing such notice.

(b) The notice shall state the redemption date, the redemption price, the place at which the Certificates are to be surrendered for payment, and if less than all Certificates outstanding are

to be redeemed and subject to Section [4.4] hereof, an identification of the Certificates or portions thereof to be redeemed.

(c) The City reserves the right to give notice of its election or direction to redeem Certificates under Section 4.2 conditioned upon the occurrence of subsequent events. Such notice may state (i) that the redemption is conditioned upon the deposit of moneys and/or authorized securities, in an amount equal to the amount necessary to effect the redemption, with the Paying Agent/Registrar, or such other entity as may be authorized by law, no later than the redemption date or (ii) that the City retains the right to rescind such notice at any time prior to the scheduled redemption date if the City delivers a certificate of the City to the Paying Agent/Registrar instructing the Paying Agent/Registrar to rescind the redemption notice, and such notice and redemption shall be of no effect if such moneys and/or authorized securities are not so deposited or if the notice is rescinded. The Paying Agent/Registrar shall give prompt notice of any such rescission of a conditional notice of redemption to the affected Owners. Any Certificates subject to conditional redemption where redemption has been rescinded shall remain outstanding and the rescission of such redemption shall not constitute an event of default. Further, in the case of a conditional redemption, the failure of the City to make moneys and/or authorized securities available in whole or in part on or before the redemption date shall not constitute an event of default.

(d) Any notice given as provided in this Section shall be conclusively presumed to have been duly given, whether or not the Owner receives such notice. Notice having been so given and due provision for the payment of the same having been made, the Certificate called of redemption shall become due and payable on the specified redemption date, and notwithstanding that any Certificate or portion thereof has not been surrendered for payment, interest on such Certificate or portion thereof shall cease to accrue.

Section 4.6. Payment Upon Redemption.

(a) Before or on each redemption date, the City shall deposit with the Paying Agent/Registrar money sufficient to pay all amounts due on the redemption date and the Paying Agent/Registrar shall make provision for the payment of the Certificates to be redeemed on such date by setting aside and holding in trust such amounts as are received by the Paying Agent/Registrar from the City and shall use such funds solely for the purpose of paying the principal of, redemption premium, if any, and accrued interest on the Certificates being redeemed.

(b) Upon presentation and surrender of any Certificate called for redemption at the Designated Payment/Transfer Office of the Paying Agent/Registrar on or after the date fixed for redemption, the Paying Agent/Registrar shall pay the principal of, redemption premium, if any, and accrued interest on such Certificate to the date of redemption from the money set aside for such purpose.

Section 4.7. Effect of Redemption.

(a) When Certificates have been called for redemption in whole or in part and due provision has been made to redeem same as herein provided, the Certificates or portions thereof so redeemed shall no longer be regarded as outstanding except for the purpose of receiving payment

solely from the funds so provided for redemption, and the rights of the Owners to collect interest which would otherwise accrue after the redemption date on any Certificate or portion thereof called for redemption shall terminate on the date fixed for redemption. If the City shall fail to make provision for payment of all sums due on a redemption date, then any Certificate or portion thereof called for redemption shall continue to bear interest at the rate stated on the Certificate until due provision is made for the payment of same.

(b) If the City shall fail to make provision for payment of all sums due on a redemption date, then any Certificate or portion thereof called for redemption shall continue to bear interest at the rate stated on the Certificate until due provision is made for the payment of same by the City.

Section 4.8. Lapse of Payment. Money set aside for the redemption of the Certificates and remaining unclaimed by the Owners thereof shall be subject to the provisions of Section 3.3(f) hereof.

ARTICLE V

PAYING AGENT/REGISTRAR

Section 5.1. Appointment of Initial Paying Agent/Registrar.

(a) The Bank of New York Mellon Trust Company, N.A., is hereby appointed as the initial Paying Agent/Registrar for the Certificates.

(b) The Paying Agent/Registrar shall keep such books or records and make such transfers and registrations under such reasonable regulations as the City and the Paying Agent/Registrar may prescribe; and the Paying Agent/Registrar shall make such transfer and registrations as herein provided. It shall be the duty of the Paying Agent/Registrar to obtain from the Owners and record in the Register the address of such Owner of each Certificate to which payments with respect to the Certificates shall be mailed, as provided herein. The City or its designee shall have the right to inspect the Register during regular business hours of the Paying Agent/Registrar, but otherwise the Paying Agent/Registrar shall keep the Register confidential and, unless otherwise required by law, shall not permit its inspection by any other entity.

(c) The City hereby further appoints the Paying Agent/Registrar to act as the paying agent for paying the principal of and interest on the Certificates. The Paying Agent/Registrar shall keep proper records of all payments made by the City and the Paying Agent/Registrar with respect to the Certificates, and of all conversions, exchanges and replacements of such Certificates, as provided in this Ordinance.

(d) The form of Paying Agent/Registrar Agreement is hereby approved. The Mayor or Mayor Pro Tem and the City Secretary of the City are hereby authorized to execute and deliver a Paying Agent/Registrar Agreement.

Section 5.2. Qualifications.

Each Paying Agent/Registrar shall be a commercial bank or trust company organized under the laws of the State, or any other entity duly qualified and legally authorized to serve as and perform the duties and services of paying agent and registrar for the Certificates.

Section 5.3. Maintaining Paying Agent/Registrar.

(a) At all times while any Certificates are outstanding, the City will maintain a Paying Agent/Registrar that is qualified under Section 5.2 of this Ordinance.

(b) If the Paying Agent/Registrar resigns or otherwise ceases to serve as such, the City will promptly appoint a replacement, provided no such resignation shall be effective until a successor Paying Agent/Registrar has accepted the duties of Paying Agent/Registrar for the Certificates.

Section 5.4. Termination.

The City reserves the right to terminate the appointment of any Paying Agent/Registrar by delivering to the entity whose appointment is to be terminated (i) 45 days written notice of the termination of the appointment and of the Paying Agent/Registrar Agreement, stating the effective date of such termination, and (ii) appointing a successor Paying Agent/Registrar; provided, that, no such termination shall be effective until a successor Paying Agent/Registrar has assumed the duties of Paying Agent/Registrar for the Certificates.

Section 5.5. Notice of Change to Owners.

Promptly upon each change in the entity serving as Paying Agent/Registrar, the City will cause notice of the change to be sent to each Owner by United States mail, first class, postage prepaid, at the address in the Register, stating the effective date of the change and the name and mailing address of the replacement Paying Agent/Registrar.

Section 5.6. Agreement to Perform Duties and Functions.

By accepting the appointment as Paying Agent/Registrar, and executing the Paying Agent/Registrar Agreement, the Paying Agent/Registrar is deemed to have agreed to the provisions of this Ordinance and that it will perform the duties and functions of Paying Agent/Registrar prescribed hereby and under the Paying Agent/Registrar Agreement.

Section 5.7. Delivery of Records to Successor.

If a Paying Agent/Registrar is replaced, such Paying Agent/Registrar, promptly upon the appointment of the successor, will deliver the Register (or a copy thereof) and all other pertinent books and records relating to the Certificates to the successor Paying Agent/Registrar.

ARTICLE VI

FORM OF THE CERTIFICATES

Section 6.1. Form Generally.

(a) The Certificates, including the Registration Certificate of the Comptroller of Public Accounts of the State, the Certificate of the Paying Agent/Registrar, [and] the Assignment form [and the Statement of Insurance, if any], to appear on each of the Certificates, (i) shall be substantially in the form set forth in this Article, with such appropriate insertions, omissions, substitutions, and other variations as are permitted or required by this Ordinance, and (ii) may have such letters, numbers, or other marks of identification (including identifying numbers and letters of the Committee on Uniform Securities Identification Procedures (CUSIP) of the American Bankers Association) and such legends and endorsements (including any reproduction of an opinion of counsel) thereon as, consistently herewith, may be determined by the City or by the officers executing such Certificates, as evidenced by their execution thereof.

(b) Any portion of the text of any Certificates may be set forth on the reverse side thereof, with an appropriate reference thereto on the face of the Certificates.

(c) The definitive Certificates shall be typed, photocopied, printed, lithographed, or engraved, and may be produced by any combination of these methods or produced in any other similar manner, all as determined by the officers executing such Certificates, as evidenced by their execution thereof.

(d) The Initial Certificate submitted to the Attorney General of the State may be typed and photocopied or otherwise reproduced.

Section 6.2. Form of the Certificates.

The form of the Certificates, including the form of the Registration Certificate of the Comptroller of Public Accounts of the State, the form of Certificate of the Paying Agent/Registrar and the form of Assignment appearing on the Certificates, shall be substantially as follows:

(a) Form of Certificate.

REGISTERED NO. _____ REGISTERED $_____

UNITED STATES OF AMERICA
STATE OF TEXAS
COUNTY OF BRAZORIA

CITY OF ANGLETON, TEXAS
COMBINATION TAX AND REVENUE CERTIFICATE OF OBLIGATION
SERIES 2025

INTEREST RATE:	MATURITY DATE:	CLOSING DATE:	CUSIP NUMBER:
_____%	February 15, 20__	[November 25, 2025]	_____

The City of Angleton (the "City"), in the County of Brazoria, State of Texas, for value received, hereby promises to pay to

or registered assigns, on the Maturity Date specified above, the sum of

_____ DOLLARS

and to pay interest on such principal amount from the later of the Closing Date specified above or the most recent interest payment date to which interest has been paid or provided for until payment of such principal amount has been paid or provided for, at the per annum rate of interest specified above, computed on the basis of a 360-day year of twelve 30-day months, such interest to be paid semiannually on February 15 and August 15 of each year, commencing on February 15, 2026.

The principal of this Certificate shall be payable without exchange or collection charges in lawful money of the United States of America upon presentation and surrender of this Certificate at the corporate trust office of The Bank of New York Mellon Trust Company, N.A., or such other location designated by the Paying Agent/Registrar (the "Designated Payment/Transfer Office"), of the Paying Agent/Registrar or, with respect to a successor Paying Agent/Registrar, at the Designated Payment/Transfer Office of such successor. Interest on this Certificate is payable by check dated as of the interest payment date, and will be mailed by the Paying Agent/Registrar to the registered owner at the address shown on the registration books kept by the Paying Agent/Registrar or by such other customary banking arrangement acceptable to the Paying Agent/Registrar and the registered owner; provided, however, such registered owner shall bear all risk and expenses of such customary banking arrangement. For the purpose of the payment of interest on this Certificate, the registered owner shall be the person in whose name this Certificate is registered at the close of business on the "Record Date," which shall be the last business day of the month next preceding such interest payment date. In the event of a nonpayment of interest on a scheduled payment date, and for 30 days thereafter, a new record date for such interest payment (a "Special Record Date") will be established by the Paying Agent/Registrar, if and when funds for the payment of such interest have been received from the City. Notice of the Special Record Date and of the special payment date of the past due interest (the "Special Payment Date," which date shall be 15 days after the Special Record Date) shall be sent at least five business days prior to the Special Record Date by United States mail, first class, postage prepaid, to the address of each owner of a Certificate appearing on the books of the Paying Agent/Registrar at the close of business on the last day next preceding the date of mailing of such notice.

If the date for the payment of the principal of or interest on this Certificate is not a Business Day, the date for such payment shall be the next succeeding day which is not a Saturday, Sunday or legal holiday, or day on which banking institutions in the State of Texas or the city in which the Designated Payment/Transfer Office of the Paying Agent/Registrar is located are generally authorized or obligated by law or executive order to close (a "Business Day"), and payment on such date shall for all purposes be deemed to have been made on the original date payment was due.

This Certificate is dated November 15, 2025 and is one of a series of fully registered certificates specified in the title hereof issued in the aggregate principal amount of $[7,960,000] (herein referred to as the "Certificates"), issued pursuant to a certain ordinance of the City (the "Ordinance") for the costs associated with (i) the design, construction, acquisition and equipment

of water and sewer system improvements, including wastewater treatment plant improvements, and (ii) the costs of professional services related thereto.

The City has reserved the right to redeem the Certificates maturing on and after [February 15, 2035], in whole or from time to time in part, before their respective scheduled maturity dates, on [February 15, 2034], or on any date thereafter, at a redemption price equal to the principal amount thereof plus accrued interest to the date of redemption. If less than all of the Certificates are to be redeemed, the City shall determine the maturity or maturities and the amounts thereof to be redeemed and shall direct the Paying Agent/Registrar to call by lot the Certificates, or portions thereof, within such maturity and in such principal amounts, for redemption.

[The Certificates maturing on [February 15, 20__] (the "Term Certificates") are subject to mandatory sinking fund redemption prior to their scheduled maturity, and will be redeemed by the City, in part at a redemption price equal to the principal amount thereof, without premium, plus interest accrued to the redemption date, on the dates and in the principal amounts shown in the following schedule:

$[_____] Term Certificates Maturing [February 15, 20__]

Mandatory Redemption Date	Principal Amount
[February 15, 20__]	$[_____]
[February 15, 20__]	
[February 15, 20__] (maturity)	

The Paying Agent/Registrar will select by lot or by any other customary method that results in a random selection the specific Term Certificates (or with respect to Term Certificates having a denomination in excess of $5,000, each $5,000 portion thereof) to be redeemed by mandatory redemption. The principal amount of Term Certificates required to be redeemed on any redemption date pursuant to the foregoing mandatory sinking fund redemption provisions hereof shall be reduced, at the option of the City, by the principal amount of any Term Certificates which, at least 45 days prior to the mandatory sinking fund redemption date (i) shall have been acquired by the City and delivered to the Paying Agent/Registrar for cancellation, or (ii) shall have been redeemed pursuant to the optional redemption provisions hereof and not previously credited to a mandatory sinking fund redemption.]

Not less than 30 days prior to a redemption date for the Certificates, the City shall cause a notice of redemption to be sent by United States mail, first class, postage prepaid, to the Owners of the Certificates to be redeemed at the address of the Owner appearing on the registration books of the Paying Agent/Registrar at the close of business on the business day next preceding the date of mailing such notice.

The City reserves the right to give notice of its election or direction to redeem Certificates pursuant to an optional redemption conditioned upon the occurrence of subsequent events. Such notice may state (i) that the redemption is conditioned upon the deposit of moneys and/or authorized securities, in an amount equal to the amount necessary to effect the redemption, with the Paying Agent/Registrar, or such other entity as may be authorized by law, no later than the

redemption date, or (ii) that the City retains the right to rescind such notice at any time on or prior to the scheduled redemption date if the City delivers a certificate of the City to the Paying Agent/Registrar instructing the Paying Agent/Registrar to rescind the redemption notice and such notice and redemption shall be of no effect if such moneys and/or authorized securities are not so deposited or if the notice is rescinded. The Paying Agent/Registrar shall give prompt notice of any such rescission of a conditional notice of redemption to the affected Owners. Any Certificates subject to conditional redemption and such redemption has been rescinded shall remain outstanding and the rescission of such redemption shall not constitute an event of default. Further, in the case of a conditional redemption, the failure of the City to make moneys and or authorized securities available in part or in whole on or before the redemption date shall not constitute an event of default.

Any notice so mailed shall be conclusively presumed to have been duly given, whether or not the registered owner receives such notice. Notice having been so given and subject, in the case of an optional redemption, to any rights or conditions reserved by the City in the notice, the Certificates called for redemption shall become due and payable on the specified redemption date, and notwithstanding that any Certificate or portion thereof has not been surrendered for payment, interest on such Certificates or portions thereof shall cease to accrue.

As provided in the Ordinance, and subject to certain limitations therein set forth, this Certificate is transferable upon surrender of this Certificate for transfer at the designated office of the Paying Agent/Registrar with such endorsement or other evidence of transfer as is acceptable to the Paying Agent/Registrar; thereupon, one or more new fully registered Certificates of the same stated maturity, of authorized denominations, bearing the same rate of interest, and for the same aggregate principal amount will be issued to the designated transferee or transferees.

The City, the Paying Agent/Registrar, and any other person may treat the person in whose name this Certificate is registered as the owner hereof for the purpose of receiving payment as herein provided (except interest shall be paid to the person in whose name this Certificate is registered on the Record Date) and for all other purposes, whether or not this Certificate be overdue, and neither the City nor the Paying Agent/Registrar shall be affected by notice to the contrary.

IT IS HEREBY certified, recited and covenanted that this Certificate has been duly and validly issued and delivered; that all acts, conditions and things required or proper to be performed, to exist and to be done precedent to or in the issuance and delivery of this Certificate have been performed, exist and have been done in accordance with law; and that annual ad valorem taxes, within the limits prescribed by law, sufficient to provide for the payment of the interest on and principal of this Certificate, as such interest comes due and such principal matures, have been levied and ordered to be levied against all taxable property in the City.

IT IS FURTHER certified, recited and represented that the Net Revenues (as defined in the Ordinance) of the City's waterworks and sanitary sewer system are pledged to the payment of the principal of and interest on the Certificates in an amount not to exceed $1,000; provided, however, that such pledge is junior and subordinate in all respects to the pledge of the revenues of the System to the payment of all outstanding obligations of the City and any obligation of the City, whether authorized heretofore or hereafter, which the City designates as having a pledge senior to the

pledge of the Net Revenues to the payment of the Certificates. The City also reserves the right to issue, for any lawful purpose at any time, in one or more installments, bonds, certificates of obligation and other obligations of any kind payable in whole or in part from the revenues of the System, secured by a pledge of the revenues of the System that may be prior and superior in right to, on a parity with, or junior and subordinate to the pledge of the Net Revenues securing the Certificates.

IN WITNESS WHEREOF, the City has caused this Certificate to be executed by the manual or facsimile signature of the Mayor or Mayor Pro Tem of the City and countersigned by the manual or facsimile signature of the City Secretary, and the official seal of the City has been duly impressed or placed in facsimile on this Certificate.

Michelle Perez, TRMC City Secretary City of Angleton, Texas	John Wright Mayor City of Angleton, Texas

[SEAL]

(b) Form of Comptroller's Registration Certificate.

REGISTRATION CERTIFICATE OF
COMPTROLLER OF PUBLIC ACCOUNTS

OFFICE OF THE COMPTROLLER	§	
OF PUBLIC ACCOUNTS	§	REGISTER NO. _____
THE STATE OF TEXAS	§	

I HEREBY CERTIFY THAT this Certificate has been examined, certified as to validity, and approved by the Attorney General of the State of Texas and that this Certificate has been registered by the Comptroller of Public Accounts of the State of Texas.

WITNESS MY SIGNATURE AND SEAL OF OFFICE this _____.

[SEAL]

[Acting] Comptroller of Public Accounts
of the State of Texas

(c) Form of Certificate of Paying Agent/Registrar.

The following Certificate of Paying Agent/Registrar may be deleted from the Initial Certificate if the Comptroller's Registration Certificate appears thereon.

CERTIFICATE OF PAYING AGENT/REGISTRAR

The records of the Paying Agent/Registrar show that the Initial Certificate of this series of certificates of obligation was approved by the Attorney General of the State of Texas and registered by the Comptroller of Public Accounts of the State of Texas, and that this is one of the Certificates referred to in the within-mentioned Ordinance.

THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A.,
as Paying Agent/Registrar

Dated: _____ By: _____
Authorized Signatory

(d) Form of Assignment.

ASSIGNMENT

FOR VALUE RECEIVED, the undersigned hereby sells, assigns, and transfers unto (print or typewrite name, address and zip code of transferee): _____

_____

_____

(Social Security or other identifying number: _____) the within Certificate and all rights hereunder and hereby irrevocably constitutes and appoints _____ attorney to transfer the within Certificate on the books kept for registration hereof, with full power of substitution in the premises.

Dated: _____

Signature Guaranteed By:

_____

_____
Authorized Signatory

NOTICE: The signature on this Assignment must correspond with the name of the registered owner as it appears on the face of the within Certificate in every particular and must be guaranteed in a manner acceptable to the Paying Agent/Registrar.

(e) [Form of Statement of Insurance.

[Add Statement of Insurance if insurance is obtained.]]

(f) The Initial Certificate shall be in the form set forth in paragraphs (a), (b), [and] (d) [and (e)] of this Section, except for the following alterations:

(i) immediately under the name of the Certificate the headings "INTEREST RATE" and "MATURITY DATE" shall both be completed with the expression "As Shown Below" and "CUSIP NUMBER _____" deleted; and

(ii) in the first paragraph of the Certificate, the words "on the Maturity Date specified above, the sum of _____DOLLARS" shall be deleted and the following will be inserted: "on February 15 in each of the years, in the principal installments and bearing interest at the per annum rates set forth in the following schedule:"

(Information to be inserted from schedule in Section 3.2 of the Ordinance)

(iii) the Initial Certificate shall be numbered I-1.

Section 6.3. CUSIP Registration.

The City may secure identification numbers through CUSIP Global Services, or another entity that provides securities identification numbers for municipal securities and may print such numbers on the face of the Certificates. It is expressly provided, however, that the presence or absence of CUSIP numbers on the Certificates or any errors or omissions in the printing of such number shall be of no significance or effect in regard to the legality thereof and neither the City nor Bond Counsel to the City are to be held responsible for CUSIP numbers incorrectly printed on the Certificates.

Section 6.4. Legal Opinion.

The approving legal opinion of Bond Counsel may be attached to or printed on the reverse side of each Certificate over the certification of the City Secretary of the City, which may be executed in facsimile.

Section 6.5. [Bond Insurance.]

[The Underwriters have obtained bond insurance from the Insurer and the Certificates may bear an appropriate legend as provided by the Insurer. The premium for any bond insurance obtained by the Underwriters shall be the responsibility of the Underwriters.]

ARTICLE VII

SALE AND DELIVERY OF CERTIFICATES; DEPOSIT OF PROCEEDS; OFFICIAL STATEMENT

Section 7.1. Sale of Certificates.

(a) The Certificates are hereby sold and awarded and shall be delivered to the Underwriters at the price of $[_____] (representing the par amount of the Certificates, plus a [net] premium received from the sale of the Certificates in the amount of $[____], less an

underwriting discount in the amount of $[_____]) on the terms specified in the Purchase Agreement. The form, terms and provisions of the Purchase Agreement are hereby approved and the Mayor or Mayor Pro Tem is hereby authorized and directed to execute and deliver such Purchase Agreement. It is hereby found, determined and declared that the terms of this sale are the most advantageous reasonably available. The Certificates shall be initially registered in the name of the Representative or its designee.

(b) The obligation of the Underwriters to accept delivery of the Certificates is subject to the Underwriters being furnished with the final, approving opinion of Bond Counsel to the City, which opinion shall be dated and delivered the Closing Date.

Section 7.2. Deposit of Proceeds.

Proceeds from the sale of the Certificates shall, promptly upon receipt by the City, be applied as follows:

(a) The amount of $[_____], consisting of $[_____] principal amount of Certificate proceeds plus premium received from the sale of the Certificates in the amount of $[_____] , shall be used for the purposes set forth in Section 3.1.

(b) Premium received from the sale of the Certificates in the amount of $[_____] shall be used to pay the costs of issuance.

(c) Any amounts remaining after accomplishing such purposes and paying costs of issuance in subsection (b) shall be [used for the purposes described in Section 3.1 or] deposited in the Debt Service Fund.

Section 7.3. Control and Delivery of Certificates.

(a) The Mayor or Mayor Pro Tem of the City is hereby authorized to have control of the Initial Certificate and all necessary records and proceedings pertaining thereto pending investigation, examination, and approval of the Attorney General of the State, registration by the Comptroller of Public Accounts of the State and registration with, and initial exchange or transfer by, the Paying Agent/Registrar.

(b) After registration by the Comptroller of Public Accounts, delivery of the Certificates shall be made to the Representative under and subject to the general supervision and direction of the Mayor or Mayor Pro Tem, against receipt by the City of all amounts due to the City under the terms of sale.

(c) All officers of the City are authorized to execute such documents, certificates and receipts and to make such elections with respect to the tax-exempt status of the Certificates, as they may deem necessary to consummate the delivery of the Certificates.

Section 7.4. Official Statement.

The form and substance of the Preliminary Official Statement and any addenda, supplement or amendment thereto, is hereby ratified and approved, and has been deemed final as

of its date within the meaning and for the purposes of paragraph (b)(1) of the Rule. The City hereby authorizes and approves the preparation of a final Official Statement to add the terms of the Purchase Agreement and other relevant information. The use of such final Official Statement in the reoffering of the Certificates by the Underwriters is hereby approved and authorized. The proper officials of the City are hereby authorized to execute and deliver a certificate pertaining to such Official Statement as prescribed therein, dated as of the date of payment for and delivery of the Certificates.

ARTICLE VIII

PARTICULAR REPRESENTATIONS AND COVENANTS

Section 8.1. Payment of the Certificates.

On or before each Interest Payment Date while any of the Certificates are outstanding and unpaid, there shall be made available to the Paying Agent/Registrar, out of the Debt Service Fund, money sufficient to pay such interest on and principal of, redemption premium, if any, and interest on the Certificates as will accrue or mature on the applicable Interest Payment Date or date of prior redemption.

Section 8.2. Other Representations and Covenants.

(a) The City will faithfully perform, at all times, any and all covenants, undertakings, stipulations, and provisions contained in this Ordinance and in each Certificate; the City will promptly pay or cause to be paid the principal of, redemption premium, if any, and interest on each Certificate on the dates and at the places and manner prescribed in such Certificate; and the City will, at the times and in the manner prescribed by this Ordinance, deposit or cause to be deposited the amounts of money specified by this Ordinance.

(b) The City is duly authorized under the laws of the State to issue the Certificates; all action on its part for the creation and issuance of the Certificates has been duly and effectively taken; and the Certificates in the hands of the Owners thereof are and will be valid and enforceable obligations of the City in accordance with their terms.

(c) It is hereby found and determined that the projects described in Section 3.1 of this Ordinance constitute public works as such term is defined under Section 271.043(7-a) of the Texas Local Government Code and are eligible to be financed through the issuance of the Certificates.

Section 8.3. Provisions Concerning Federal Income Tax Matters.

(a) General. The City covenants not to take any action or omit to take any action that, if taken or omitted, would cause the interest on the Certificates to be includable in gross income for federal income tax purposes. In furtherance thereof, the City covenants to comply with sections 103 and 141 through 150 of the Code and the provisions set forth in the Federal Tax Certificate executed by the City in connection with the Certificates.

(b) No Private Activity Bonds. The City covenants that it will use the proceeds of the Certificates (including investment income) and the property financed, directly or indirectly, with

such proceeds so that the Certificates will not be "private activity bonds" within the meaning of section 141 of the Code. Furthermore, the City will not take a deliberate action (as defined in section 1.141-2(d)(3) of the Regulations) that causes the Certificates to be a "private activity bond" unless it takes a remedial action permitted by section 1.141-12 of the Regulations.

(c) No Federal Guarantee. The City covenants not to take any action or omit to take any action that, if taken or omitted, would cause the Certificates to be "federally guaranteed" within the meaning of section 149(b) of the Code, except as permitted by section 149(b)(3) of the Code.

(d) No Hedge Bonds. The City covenants not to take any action or omit to take action that, if taken or omitted, would cause the Certificates to be "hedge bonds" within the meaning of section 149(g) of the Code.

(e) No Arbitrage Bonds. The City covenants that it will make such use of the proceeds of the Certificates (including investment income) and regulate the investment of such proceeds of the Certificates so that the Certificates will not be "arbitrage bonds" within the meaning of section 148(a) of the Code.

(f) Required Rebate. The City covenants that, if the City does not qualify for an exception to the requirements of section 148(f) of the Code, the City will comply with the requirement that certain amounts earned by the City on the investment of the gross proceeds of the Certificates, be rebated to the United States.

(g) Information Reporting. The City covenants to file or cause to be filed with the Secretary of the Treasury an information statement concerning the Certificates in accordance with section 149(e) of the Code.

(h) Record Retention. The City covenants to retain all material records relating to the expenditure of the proceeds (including investment income) of the Certificates and the use of the property financed, directly or indirectly, thereby until three years after the last Certificate is redeemed or paid at maturity (or such other period as provided by subsequent guidance issued by the Department of the Treasury) in a manner that ensures their complete access throughout such retention period.

(i) Registration. If the Certificates are "registration-required bonds" under section 149(a)(2) of the Code, the Certificates will be issued in registered form.

(j) Favorable Opinion of Bond Counsel. Notwithstanding the foregoing, the City will not be required to comply with any of the federal tax covenants set forth above if the City has received an opinion of nationally recognized bond counsel that such noncompliance will not adversely affect the excludability of interest on the Certificates from gross income for federal income tax purposes.

(k) Continuing Compliance. Notwithstanding any other provision of this Ordinance, the City's obligations under the federal tax covenants set forth above will survive the defeasance and discharge of the Certificates for as long as such matters are relevant to the excludability of interest on the Certificates from gross income for federal income tax purposes.

(l) Official Intent. For purposes of section 1.150-2(d) of the Regulations, to the extent that an official intent to reimburse by the City has not been adopted for a particular project, this Ordinance serves as the City's official declaration of intent to use proceeds of the Certificates to reimburse itself from proceeds of the Certificates issued in the maximum amount authorized by this Ordinance for certain expenditures paid in connection with the projects set forth herein. Any such reimbursement will only be made (i) for an original expenditure paid no earlier than 60 days prior to the date hereof and (ii) not later than 18 months after the later of (A) the date the original expenditure is paid or (B) the date of which the project to which such expenditure relates is placed in service or abandoned, but in no event more than three years after the original expenditure is paid.

ARTICLE IX

DISCHARGE

Section 9.1. Discharge.

The Certificates may be defeased, discharged or refunded in any manner now or hereafter permitted by applicable law.

ARTICLE X

CONTINUING DISCLOSURE UNDERTAKING

Section 10.1. Annual Reports.

(a) The City shall provide annually to the MSRB, in an electronic format, accompanied by identifying information as prescribed by the MSRB (i) within six (6) months after the end of each Fiscal Year of the City ending in and after 2025, financial information and operating data with respect to the City of the general type included in the Official Statement under the Tables numbered 1 through 6 and 8 through 16, and including financial statements of the City if audited financial statements of the City are then available, and (ii) if not provided as part of such financial information and operating data, audited financial statements when, and if, they become available. Any financial statements so to be provided shall be (i) prepared in accordance with the accounting principles described in the notes to the financial statements for the most recently concluded Fiscal Year, or such other accounting principles as the City may be required to employ, from time to time, by State law or regulation, and (ii) audited, if the City commissions an audit of such statements and the audit is completed within the period during which they must be provided. If the audit of such financial statements is not complete within 12 months after any such fiscal year end, then the City shall file unaudited financial statements within such 12-month period and audited financial statements for the applicable fiscal year, when and if the audit report on such financial statements becomes available.

(b) If the City changes its fiscal year, it will notify the MSRB of the change (and of the date of the new fiscal year end) prior to the next date by which the City otherwise would be required to provide financial information and operating data pursuant to this Section.

(c) The financial information and operating data to be provided pursuant to this Section may be set forth in full in one or more documents or may be included by specific reference to any document (including an official statement or other offering document, if it is available from the MSRB) that theretofore has been provided to the MSRB or filed with the SEC.

Section 10.2. Event Notices.

(a) The City shall provide the following to the MSRB, in an electronic format as prescribed by the MSRB, in a timely manner not in excess of ten (10) business days after the occurrence of the event, notice of any of the following events with respect to the Certificates:

(1) Principal and interest payment delinquencies;

(2) Non-payment related defaults, if material;

(3) Unscheduled draws on debt service reserves reflecting financial difficulties;

(4) Unscheduled draws on credit enhancements reflecting financial difficulties;

(5) Substitution of credit or liquidity providers, or their failure to perform;

(6) Adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of Certificates, or other material events affecting the tax status of the Certificates;

(7) Modifications to rights of the holders of the Certificates, if material;

(8) Certificate calls, if material, and tender offers;

(9) Defeasances;

(10) Release, substitution, or sale of property securing repayment of the Certificates, if material;

(11) Rating changes;

(12) Bankruptcy, insolvency, receivership or similar event of the City;

Note to paragraph 12: For the purposes of the event identified in paragraph 12 of this section, the event is considered to occur when any of the following occur: the appointment of a receiver, fiscal agent or similar officer for the City in a proceeding under the U.S. Bankruptcy Code or in any other proceeding under state or federal law in which a court or governmental authority has assumed jurisdiction over substantially all of the assets or business of the City, or if such jurisdiction has been assumed by leaving the existing governing body and officials or officers in possession but subject

to the supervision and orders of a court or governmental authority, or the entry of an order confirming a plan of reorganization, arrangement or liquidation by a court or governmental authority having supervision or jurisdiction over substantially all of the assets or business of the City.

(13) The consummation of a merger, consolidation, or acquisition involving the City or the sale of all or substantially all of the assets of the City, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material;

(14) Appointment of a successor or additional trustee or the change of name of a trustee, if material;

(15) Incurrence of a Financial Obligation of the City, if material, or agreement to covenants, events of default, remedies, priority rights, or other similar terms of a Financial Obligation of the City, any of which affect security holders, if material; and

(16) Default, event of acceleration, termination event, modification of terms, or other similar events under the terms of a Financial Obligation of the City, any of which reflect financial difficulties.

Note to paragraphs (15) and (16): For purposes of the events identified in paragraphs (15) and (16) of this section and in the definition of Financial Obligation in Section 1.1, the City intends the words used in such paragraphs to have the meanings ascribed to them in SEC Release No. 34-83885 dated August 20, 2018 (the "2018 Release") and any further written guidance provided by the SEC or its staff with respect to the amendments to the Rule effected by the 2018 Release.

(b) The City shall notify the MSRB, in a timely manner, of any failure by the City to provide financial information or operating data in accordance with Section 10.1 of this Ordinance. All documents provided to the MSRB pursuant to this section shall be accompanied by identifying information as prescribed by the MSRB.

Section 10.3. Limitations, Disclaimers and Amendments.

(a) The City shall be obligated to observe and perform the covenants specified in this Article for so long as, but only for so long as, the City remains an "obligated person" with respect to the Certificates within the meaning of the Rule, except that the City in any event will give notice of any redemption calls and any defeasances that cause the City to be no longer an "obligated person."

(b) The provisions of this Article are for the sole benefit of the Owners and beneficial owners of the Certificates, and nothing in this Article, express or implied, shall give any benefit or any legal or equitable right, remedy, or claim hereunder to any other person. The City undertakes to provide only the financial information, operating data, financial statements, and notices which

it has expressly agreed to provide pursuant to this Article and does not hereby undertake to provide any other information that may be relevant or material to a complete presentation of the City's financial results, condition, or prospects or hereby undertake to update any information provided in accordance with this Article or otherwise, except as expressly provided herein. The City does not make any representation or warranty concerning such information or its usefulness to a decision to invest in or sell Certificates at any future date.

UNDER NO CIRCUMSTANCES SHALL THE CITY BE LIABLE TO THE OWNER OR BENEFICIAL OWNER OF ANY CERTIFICATE OR ANY OTHER PERSON, IN CONTRACT OR TORT, FOR DAMAGES RESULTING IN WHOLE OR IN PART FROM ANY BREACH BY THE CITY, WHETHER NEGLIGENT OR WITH OR WITHOUT FAULT ON ITS PART, OF ANY COVENANT SPECIFIED IN THIS ARTICLE, BUT EVERY RIGHT AND REMEDY OF ANY SUCH PERSON, IN CONTRACT OR TORT, FOR OR ON ACCOUNT OF ANY SUCH BREACH SHALL BE LIMITED TO AN ACTION FOR MANDAMUS OR SPECIFIC PERFORMANCE.

(c) No default by the City in observing or performing its obligations under this Article shall constitute a breach of or default under the Ordinance for purposes of any other provisions of this Ordinance.

(d) Nothing in this Article is intended or shall act to disclaim, waive, or otherwise limit the duties of the City under federal and state securities laws.

(e) The provisions of this Article may be amended by the City from time to time to adapt to changed circumstances that arise from a change in legal requirements, a change in law, or a change in the identity, nature, status, or type of operations of the City, but only if (i) the provisions of this Article, as so amended, would have permitted an underwriter to purchase or sell Certificates in the primary offering of the Certificates in compliance with the Rule, taking into account any amendments or interpretations of the Rule to the date of such amendment, as well as such changed circumstances, and (ii) either (A) the Owners of a majority in aggregate principal amount (or any greater amount required by any other provisions of this Ordinance that authorizes such an amendment) of the outstanding Certificates consent to such amendment or (B) a person that is unaffiliated with the City (such as nationally recognized bond counsel) determines that such amendment will not materially impair the interests of the Owners and beneficial owners of the Certificates. The provisions of this Article may also be amended from time to time or repealed by the City if the SEC amends or repeals the applicable provisions of the Rule or a court of final jurisdiction determines that such provisions are invalid, but only if and to the extent that reservation of the City's right to do so would not prevent the Underwriters of the Certificates from lawfully purchasing or selling Certificates in such offering. If the City so amends the provisions of this Article, it shall include with any amended financial information or operating data next provided in accordance with Section 10.1 an explanation, in narrative form, of the reasons for the amendment and of the impact of any change in the type of financial information or operating data so provided.

ARTICLE XI

MISCELLANEOUS

Section 11.1. Changes to Ordinance.

Bond Counsel is hereby authorized to make any changes to the terms of this Ordinance if necessary or desirable to carry out the purposes hereof or in connection with the approval of the issuance of the Certificates by the Attorney General of the State.

Section 11.2. Partial Invalidity.

If any section, paragraph, clause or provision of this Ordinance shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this Ordinance.

Section 11.3. Repealer.

All ordinances or resolutions, or parts thereof, heretofore adopted by the City and inconsistent with the provisions of this Ordinance are hereby repealed to the extent of such conflict.

Section 11.4. Individuals Not Liable.

No covenant, stipulation, obligation or agreement herein contained shall be deemed to be a covenant, stipulation, obligation or agreement of any member of City Council or agent or employee of City Council or of the City in his or her individual capacity and neither the members of City Council nor any officer thereof, nor any agent or employee of City Council or of the City, shall be liable personally on the Certificates, or be subject to any personal liability or accountability by reason of the issuance thereof.

Section 11.5. Related Matters.

To satisfy in a timely manner all of the City's obligations under this Ordinance, the Mayor or Mayor Pro Tem, the City Secretary and all other appropriate officers and agents of the City are hereby authorized and directed to do any and all things necessary and/or convenient in order to consummate the delivery of the Certificates, pay the costs of issuance on the Certificates, and effectuate the terms and purposes of this Ordinance.

Section 11.6. Force and Effect.

This Ordinance shall be in full force and effect from and after its final passage, and it is so ordained.

[Signature Page Follows]

PASSED, APPROVED AND EFFECTIVE this 28th day of October, 2025.

Michelle Perez, TRMC City Secretary City of Angleton, Texas	John Wright Mayor City of Angleton, Texas

[SEAL]

CERTIFICATE FOR ORDINANCE

THE STATE OF TEXAS §
COUNTY OF BRAZORIA §

I, the undersigned officer of the City Council of the City of Angleton, Texas, hereby certify as follows:

1. The City Council of the City of Angleton, Texas, convened in a regular meeting on the 28th day of October, 2025, at the regular meeting place thereof, within said City, and the roll was called of the duly constituted officers and members of said City Council, to wit:

John Wright	Mayor
Travis Townsend	Mayor Pro Tem and Council Member, Position 2
Christiene Daniel	Council Member, Position 1
Barbara Simmons	Council Member, Position 3
Blaine Smith	Council Member, Position 4
Tanner Sartin	Council Member, Position 5

and all of said persons were present, except the following absentee(s): _____, thus constituting a quorum. Whereupon, among other business, the following was transacted at said meeting: a written

ORDINANCE NO. [_____]

AN ORDINANCE BY THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS AUTHORIZING THE ISSUANCE AND SALE OF THE CITY OF ANGLETON, TEXAS, COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION, SERIES 2025; LEVYING A TAX AND PROVIDING FOR THE SECURITY AND PAYMENT THEREOF; AND ENACTING OTHER PROVISIONS RELATING THERETO

was duly introduced for the consideration of said City Council. It was then duly moved and seconded that said ordinance be adopted; and, after due discussion, said motion, carrying with it the adoption of said ordinance, prevailed and carried by the following vote:

_____ Member(s) of City Council shown present voted "Aye."

_____ Member(s) of City Council shown present voted "No."

_____ Member(s) of City Council shown present abstained from voting.

2. A true, full and correct copy of the aforesaid ordinance adopted at the meeting described in the above and foregoing paragraph is attached to and follows this certificate; that said ordinance has been duly recorded in the City Council's minutes of said meeting; that the above and foregoing paragraph is a true, full and correct excerpt from the City Council's minutes of said meeting pertaining to the adoption of said ordinance; that the persons named in the above and foregoing paragraph are the duly chosen, qualified and acting officers and members of the City Council as indicated therein; that each of the officers and members of the City Council was duly and sufficiently notified officially and personally, in advance, of the date, hour, place and purpose of the aforesaid meeting, and that said ordinance would be introduced and considered for adoption at said meeting, and each of said officers and members consented, in advance, to the holding of said meeting for such purpose; that said meeting was open to the public as required by law; and that public notice of the date, hour, place and subject of said meeting was given as required by Chapter 551, Texas Government Code, as amended.

SIGNED AND SEALED this 28th day of October, 2025.

[SEAL]

Michelle Perez, TRMC
City Secretary
City of Angleton, Texas

AGENDA ITEM SUMMARY FORM

MEETING DATE: 10/28/2025

PREPARED BY: Michelle Perez

AGENDA CONTENT: Discussion and possible action to approve a resolution of the City Council of the City of Angleton, Texas, designating a representative and alternate to the Houston-Galveston Area Council 2026 General Assembly.

AGENDA ITEM SECTION: Consent Agenda

BUDGETED AMOUNT: N/A **FUNDS REQUESTED:** N/A

FUND: N/A

EXECUTIVE SUMMARY:

The Houston-Galveston Area Council is the region-wide voluntary association of local governments in the 13-county Gulf Coast planning region of Texas. Its service area is 12,500 square miles and contains more than 7 million people. The General Assembly consists of delegates from all member governmental entities of the Houston-Galveston Area Council. Each member city with a population of less than 99,999 shall select 1 member of its governing body as its representative and 1 member of the governing body as an alternate.

Angleton must annually designate representatives to H-GAC. Historically it has been the Mayor and Mayor Pro-Tem.

H-GAC requires Council to designate a person by name so that they know who will be voting on the General Law Cities Representatives and to whom they should send the Officer's Ballot.

RECOMMENDATION:

Staff recommends Council approval of a representative and an alternate.

RESOLUTION NO. 20251028-016

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ANGLETON, TEXAS, DESIGNATING A REPRESENTATIVE AND ALTERNATE TO THE HOUSTON-GALVESTON AREA COUNCIL GENERAL ASSEMBLY FOR 2025.

WHEREAS, H-GAC's Bylaws provide that each member City with a population not in excess of 99,999 as of the last (2010) Federal Census is entitled to designate one (1) representative and one (I) alternate to the 2026 H-GAC General Assembly; and

WHEREAS, this governing body desires to exercise its right to designate the said representative and alternate representative to the 2026 H-GAC General Assembly; and

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF ANGLETON:

SECTION 1. That _____ be and is hereby designated as its Representative to the GENERAL ASSEMBLY for 2026 of the Houston-Galveston Area Council.

SECTION 2. That the Official Alternate authorized to serve as the voting representative should the hereinabove named representative become ineligible, or should he resign, _____.

SECTION 3. That the executive Director of the Houston-Galveston Area Council be notified of the designation of the hereinabove name representative and alternate.

SECTION 4. That this resolution shall take effect immediately from and after its passage.

PASSED AND APPROVED THIS THE 28TH DAY OF OCTOBER 2025.

CITY OF ANGLETON, TEXAS

_____
John Wright
Mayor

ATTEST:

_____
Michelle Perez, TRMC,CMC
City Secretary