ADVERTISEMENT FOR BIDS

The County of Caldwell will receive bids for the Caldwell County Evacuation Center GLO Contract No. 22-085-024-D265 by 3:00 pm on July 26, 2024, at the Caldwell County Courthouse, 110 S. Main St. Lockhart, Texas 78644. Bids must be addressed to: Hoppy Haden, County Judge. The bids will be publicly opened and read aloud on July 26th, 2024, at 3:00 pm at 110 S. Main St. Lockhart, TX 78644.

Bid and Contract documents, including Drawings and Technical Specifications, are on file and available for inspection at the County Courthouse in the Jury Room on the 2nd floor, 110 S. Main St. Lockhart, TX 78644. A pre-bid conference will be held on July 12, 2024, at the Caldwell County Courthouse at 3:00 pm at 110 S. Main St. Lockhart, TX 78644. The pre-bid conference is not mandatory.

Electronic copies of the Bid/Contract documents including drawings and technical specifications may be obtained at no charge via the internet at: http://www.civcastusa.com/. The project can be located on civcastusa.com by the bid date, the state (Texas) or the County (Caldwell County). Bidders will be required to register through CivCastUSA. There is no charge for registering or downloading the plans. Hard copies of plans may also be purchased through CivCastUSA at the bidder's expense.

Submitting firms and their subcontractors are permitted to visit the site at the location: 2953 N. Magnolia Ave., Luling, TX 78648. Access will be available during these dates/times: July 8th - 25th, 2024, 8 am-5 pm, and July 26th, 8 am-12 pm.

A bid bond in the amount of 5 percent of the bid issued by an acceptable surety shall be submitted with each bid [for those contracts that exceed \$100,000]. A certified check or bank draft payable to the County of **Caldwell** or negotiable U.S. Government Bonds (as par value) may be submitted in lieu of the Bid Bond.

The project to be constructed will be financed with assistance from the General Land Office (GLO) under the U.S. Department of Housing and Urban Development Community Development Block Grant - Mitigation (CDBG-MIT) program and is subject to all applicable Federal and State laws and regulations. Attention is called to the fact that not less than, the federally determined prevailing Davis-Bacon and Related Acts wage rate, as issued by the Department of Labor and contained in the contract documents, must be paid on this project. In addition, the successful bidder must ensure that employees and applicants for employment are not discriminated against because of race, color, religion, sex, sexual orientation, gender identity, or national origin.

All contractors and subcontractors must be cleared (not suspended or debarred) prior to any formal action authorizing the award of a contract to the contractor. Minority Business Enterprises, Small Business Enterprises, Women Business Enterprises, and labor surplus area firms are encouraged to submit bids.

The County of Caldwell reserves the right to reject any or all bids or to waive any informalities in the bidding. Bids may be held by the County of Caldwell for a period not to exceed 90 days from the date of the bid opening for the purpose of reviewing the bids and investigating the bidder's qualifications prior to the contract award.

Honorable Hoppy Haden, Caldwell County Judge

Publication Dates: June 27, 2024

July 3, 2024

Please provide an affidavit of publication for both dates



Daniel Shearer, AIA, NCARB Method Architecture 200 E. Grayson St., Suite 122 San Antonio, Texas 78215

RE: Caldwell County Evacuation Shelter - Addendum 01

To whom it may concern,

Based upon questions received during the Pre-Bid Conference, held on July 12, 2024 at 3:00 pm in Lockhart, Texas at the Caldwell County Courthouse, please see the below additional information regarding future Requests for Information, schedule updates and other information related to Bid Requirements and Assessment.

Procurement Schedule:

The following dates are hereby established and/or updated from previously published dates to allow for qualified bidders to satisfactorily assemble their bids in conformance with the provided Drawings, Specifications and rules set forth by Caldwell County, The Texas General Land Office, etc.

DEADLINE FOR QUESTIONS: July 26th, 2024 at 5:00 pm.

All questions shall be issued to the project team in .pdf format on the submitting bidders letterhead, and sent to Renee Bean, the Senior Project Manager responsible for administration of this project on behalf of Method

Architecture, at:

rbean@methodarchitecture.com

RESPONSE TO QUESTIONS: August 2nd, 2024 at 5:00 pm.

All Requests for Information shall be addressed via Addendum, uploaded to CivCast for all bidders access, no later than the date and time specified.

BID OPENING DATE: August 23rd, 2024 at 1:00 pm.

Caldwell County Courthouse

110 S. Main St.

Lockhart, Texas 78644

NOTICE OF SELECTION: September 20th, 2024

COMMISIONERS COURT

TO MAKE FINAL AWARD: September 24th, 2024

Caldwell County Courthouse

110 S. Main St.

Lockhart, Texas 78644



Procurement Schedule, Cont'd.

CONTRACT DURATION: 550 Calendar Days from execution of Agreement.

Clarifications based on Pre-Bid Conference Questions:

A question was asked regarding the need for Bidders to comply with the unit pricing column of the Bid Form.

All bidders must comply with the inclusion of unit pricing with all scopes of work as outlined in the Bid Form. The General Land Office requires this type of reporting of bids for future Change Control concerns and failure to include the Unit Pricing may result in disqualification of a submitted Bid when it goes to GLO for evaluation.

A question was asked regarding language related to General Contractors being liable for subsurface conditions discovered on site.

Environmental Assessments and Studies have already been completed and the project site has received Environmental Clearance. Additional explorations have been performed related to the specific location of the planned building, with building placement finalized as a result. The project team is not aware of any verbiage within the current Contract Documents that places liability of subsurface conditions discovered during construction, that were not discovered prior, on the selected General Contractor.

A question was asked regarding language which was interpreted as restricting or forbidding modifications to the Contract due to GLO restrictions.

According to the General Land Office, contract amendments or change orders are permissible. The Performance Statement within the contract between the General Land Office and Caldwell County explicitly outlines the scope of work as: "The Subrecipient shall construct a new emergency shelter and complete all associated appurtenances.".

A question was asked regarding HUB requirements related to subcontractors, and qualified bidders having the appropriate amount of time to satisfy any HUB requirements as a result.

There are no requirements for HUB subcontracting. As described in the bid documents, use of HUB's is encouraged, but not required.

A question was asked about an overall schedule for the project.

Please refer to the dates and durations provided earlier in this narrative document.



A question was asked about the applicability of Section 3 to this project.

A Section 3 requirement will only exist in the case that the General Contractor utilizes Section 3 employees. This is not a requirement of the project but hiring of Section 3 employees is encouraged if hiring is necessary for the project.

A question was asked about some apparent errors in formatting of specific cells and regarding the MasterSpec Numbering in the Bid Form.

The Project Team will be correcting the noted cells in the Bid Form along with verifying alignment with the most recent MasterFormat numbering and scopes of work. This will be available in CivCast as well and noted as Addendum 02.

A question was asked about the overall project budget and what would be published.

At this time, the only information that can be made available is the information related to the initial award of the Grant for this project, which can be found on the General Land Offices's website. No other information is available at this time as it relates to the project budget and funding.

A question was asked regarding the process for evaluation and selection of the party to which the Project may be awarded to.

Once bid opening has occurred, the bids will be tabulated and reviewed by the architectural and engineering firms for the project. All Qualified bids with the bid tabulation including a recommendation of award will be made to the Caldwell County Purchasing Department for evaluation based on their guidelines, which are available on the Purchasing Department's website. No scoring matrix or otherwise numerical evaluation tool or guideline is available or will be used. The lowest/best bid will be selected by the Caldwell County Commissioners Court.

A question was asked regarding if Value Engineering is permitted to be included with bids.

Qualified Bidders are encouraged to bid the Contract Documents as they are presented, after any applicable Addenda have been issued through the course of this bidding process.

As noted above, any future questions related to the procurement process or the provided Contract Documents shall be submitted to the contact provided, in writing, before the date and time listed. Any questions received after that date and time, or questions not received in the format specified, may not be considered for response.

Respectfully,

Daniel Shearer, AIA, NCARB Studio Manager, Method Architecture



David Clark, P.E., CFM
Doucet & Associates, Inc.
7401 B Hwy 71 West, Suite 160
Austin, TX 78735

RE: Caldwell County Evacuation Shelter – Addendum 02

To Whom It May Concern,

Based upon questions received during the Pre-Bid Conference, held on July 12, 2024 at 3:00pm at the Caldwell County Courthouse in Lockhart, Texas, please see the below additional information regarding changes to Bid Items for conformance with project Specification (MasterSpec formatting).

Bid items reflected in the previously published Bid Form related to the Civil Site Plan scope of work have been revised to conform with MaterSpec format Specification numbers for this project. The following bid items have been corrected, subtracted, added, or revised on the updated Bid Form as part of Addendum 02.

BID ITEMS CORRECTED:

The following bid items were published in the previous Bid Form documents with typographical errors, which have been corrected as indicated in the "Correction Note" column in the table below.

| Spec No. | Description | Unit Type | Correction Note |
|----------|------------------------|-------------|---|
| 03 20 00 | STEEL REINFORCEMENT | SQUARE FEET | Corrected typographical error in item description, |
| | | | formerly "asdfasdh" |
| 03 30 00 | CAST-IN-PLACE CONCRETE | SQUARE FEET | Corrected typographical error in Spec No., formerly |
| | | | "asdfa" |

ITEMS SUBTRACTED:

The following items have been removed from the Bid Form. The "Reason for Removal" column in the table below describes why these items were subtracted from the bid form for reference.

| Division | Former Spec. No. | Description | Reason for Removal |
|----------|------------------|-------------------------------|---|
| 31 | SP310001 | MEASUREMENT AND PAYMENT | Special Specification related to civil site |
| | | | work, not bid item |
| 32 | 236S | ROLLING (PROOF) | Subsidiary to Asphalt Paving item |
| 32 | 302S | ASPHALTS, OILS AND EMULSIONS | Subsidiary to Asphalt Paving item |
| 32 | 403S | CONCRETE FOR STRUCTURES | Redundant item, already covered by item 03 |
| | | | 30 00 CAST-IN-PLACE CONCRETE |
| 32 | 406S | REINFORCING STEEL | Redundant item, already covered by item 03 |
| | | | 20 00 STEEL REINFORCEMENT |
| 32 | 410S | CONCRETE STRUCTURES | Redundant item, already covered by item 03 |
| | | | 30 00 CAST-IN-PLACE CONCRETE |
| 32 | 411S | SURFACE FINISHES FOR CONCRETE | Subsidiary to CAST-IN-PLACE CONCRETE item |
| 32 | 875S | PAVEMENT SURFACE | Subsidiary to CAST-IN-PLACE CONCRETE item |
| | | PREPARATION FOR MARKINGS | |



| 32 | SP403S | CONCRETE FOR STRUCTURES | Special Specification related to concrete structures, not bid item |
|----|----------|--------------------------|--|
| 32 | SP406S | REINFORCING STEEL | Special Specification related to concrete structures, not bid item |
| 32 | SP408S | CONCRETE JOINT MATERIALS | Special Specification related to concrete structures, not bid item |
| 32 | SP320001 | MEASUREMENT AND PAYMENT | Special Specification related to civil site work, not bid item |
| 33 | 510 | PIPE | Item too broad, replaced by various Division 33 items in the ITEMS ADDED section below. |
| 33 | SP330001 | MEASUREMENT AND PAYMENT | Special Specification related to civil site work, not bid item |

ITEMS ADDED:

The following items have been added to the bid form as a result of reformatting specification numbers and/or splitting items previously considered subsidiary to other items. The "Notes" column in the table below indicates which Division and specification number each item was associated with in the previous bid form publication for reference.

| Spec No. | Description | Unit Type | Notes | | |
|---|--|---|---|--|--|
| | DIVISION 01: GENERAL REQUIREMENTS | | | | |
| 01 55 26 TRAFFIC CONTROL LUI | | LUMP SUM | Formerly Division 32, formerly Spec 803S BARRICADES, SIGNS AND TRAFFIC HANDLING | | |
| 01 56 26 | 01 56 26 TEMPORARY FENCING- EXCAVATION | | Formerly Division 31, formerly Spec 703 FENCING FOR EXCAVATIONS | | |
| 01 56 39 | TEMPORARY TREE AND PLANT PROTECTION | LINEAR FEET | Formerly Division 32, formerly Spec 610S PRESERVATION OF TREES AND OTHER VEGETATION | | |
| 01 57 26 | SITE WATERING FOR DUST CONTROL | SQUARE YARD | Formerly Division 32, formerly Spec 220S SPRINKLING FOR DUST CONTROLS | | |
| | D | IVISION 33: UTI | LITIES | | |
| 33 14 13 | PUBLIC WATER UTILITY DISTRIBUTION PIPING | LINEAR FEET | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |
| 33 14 16 | SITE WATER UTILITY DISTRIBUTION PIPING LINEAU | | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |
| 33 14 17 | 33 14 17 SITE WATER UTILITY SERVICE LATERALS LINE | | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |
| 33 31 11 | PUBLIC SANITARY SEWERAGE GRAVITY PIPING | LINEAR FEET | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |
| 33 31 13 SITE SANITARY SEWERAGE Formerly considered subsidiary to D | | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | | |
| 33 31 16 | 16 SITE SANITARY SEWERAGE Formerly considered subsidiary to Division | | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |
| 33 31 23 | SANITARY SEWERAGE FORCE MAIN PIPING | LINEAR FEET | Formerly considered subsidiary to Division 33, Spec 510 Pipe | | |



| 33 32 13 | PACKAGED WASTEWATER | | Formerly considered subsidiary to Division 11, |
|-------------|------------------------|-------------|--|
| | PUMPING STATIONS | | Spec 11 30 60 SUBMERSIBLE GRINDER SEWAGE |
| | | PER UNIT | PUMPS |
| 33 42 11 | STORMWATER GRAVITY | | Formerly considered subsidiary to Division 33, |
| | PIPING | LINEAR FEET | Spec 510 Pipe |
| 33 42 13 | STORMWATER CULVERTS | | Formerly considered subsidiary to Division 33, |
| | | LINEAR FEET | Spec 510 Pipe |
| 33 42 23 | HEADWALLS AND ENDWALLS | | Formerly Division 33, Spec 508S |
| | FOR STORMWATER PIPING | | MISCELLANEOUS STRUCTURES AND |
| | | PER UNIT | APPURTENANCES |
| 33 42 33 | STORMWATER CURBSIDE | | Formerly Division 33, Spec 508S |
| | DRAINS AND INLETS | | MISCELLANEOUS STRUCTURES AND |
| | | PER UNIT | APPURTENANCES |
| 33 46 11.13 | STORMWATER DETENTION | | Formerly considered subsidiary to Division 31, |
| | PONDS | PER UNIT | Spec 111S EXCAVATION |
| 33 46 16.13 | STORMWATER POND | | Formerly considered subsidiary to Division 33, |
| | CONCRETE OUTLET | | Spec 508S MISCELLANEOUS STRUCTURES AND |
| | STRUCTURES | PER UNIT | APPURTENANCES |

BID ITEMS REVISED:

The following items have been revised on the updated bid form as a result of reformatting specification numbers. The "Notes" column in the table below indicates which Division and specification number each item was associated with in the previous bid form publication for reference.

| Spec No. | Description | Unit Type | Notes | | | |
|-------------|---------------------------------------|-------------------|---|--|--|--|
| | DIVISION 10: SPECIALTIES | | | | | |
| 10 14 53 | TRAFFIC SIGNAGE | PER UNIT | Formerly Division 32, Spec 824S TRAFFIC SIGNS | | | |
| | D | IVISION 31: EARTI | HWORK | | | |
| 31 10 00 | SITE PREPARATION | LUMP SUM | Formerly Division 31, Spec 101S PREPARING RIGHT OF WAY | | | |
| 31 11 00 | GRUBBING | SQUARE FEET | Formerly Division 31, Spec 102S GRUBBING | | | |
| 31 23 16 | EXCAVATION | CUBIC YARD | Formerly Division 31, Spec 111S EXCAVATION | | | |
| 31 23 23 | FILL | CUBIC YARD | Formerly Division 31, Spec 132S EMBANKMENT | | | |
| 31 25 24.13 | ROCK BARRIERS | LINEAR FEET | Formerly Division 31, Spec 639S ROCK BERM | | | |
| 31 25 14 | STABILIZATION MEASURES- | SQUARE YARD | Formerly Division 31, Spec 641S STABILIZED | | | |
| | CONSTR. ENTRANCE | | CONSTRUCTION ENTRANCE | | | |
| 31 25 14 | STABILIZATION MEASURES- SILT FENCE | LINEAR FEET | Formerly Division 31, Spec 642S SILT FENCE | | | |
| 31 23 13 | SUBGRADE PREPARATION | SQUARE FEET | Formerly Division 32, Spec 201S SUBGRADE PREPARATION | | | |
| 31 37 16.13 | RUBBLE-STONE RIPRAP | SQUARE YARD | Formerly Division 32, Spec 591S RIPRAP FOR SLOPE PROTECTION | | | |
| 31 14 13.23 | TOPSOIL STRIPPING AND STOCKPILING | SQUARE YARD | Formerly Division 32, Spec 601S SALVAGING AND PLACING TOPSOIL | | | |



| 31 25 14.16 | ROLLED EROSION CONTROL MATS AND BLANKETS | SQUARE YARD | Formerly Division 32, Spec 605S SOIL RETENTION BLANKET |
|-------------|--|-------------------|---|
| 31 41 33 | TRENCH SHIELDING-TRENCH SAFETY SYSTEMS | LINEAR FEET | Formerly Division 32, Spec 509S EXCAVATION SAFETY SYSTEMS |
| | | I 32: EXTERIOR IM | |
| 32 11 16.16 | AGGREGATE SUBBASE | SQUARE FEET | Formerly Division 32, Spec 210S FLEXIBLE BASE |
| | COURSES-FLEXIBLE BASE | | , , , , , |
| 32 12 13.19 | PRIME COATS | SQUARE FEET | Formerly Division 32, Spec 306S PRIME COAT |
| 32 12 13.13 | TACK COATS | SQUARE FEET | Formerly Division 32, Spec 307S TACK COAT |
| 32 12 16 | ASPHALT PAVING | SQUARE YARD | Formerly Division 32, Spec 340S HOT MIX |
| | | | ASPHALTIC CONCRETE PAVEMENT |
| 32 13 13 | CONCRETE PAVING | SQUARE YARD | Formerly Division 32, Spec 360S CONCRETE PAVEMENT |
| 32 13 73 | CONCRETE PAVING JOINT | LINEAR FEET | Formerly Division 32, Spec 408S CONCRETE |
| | SEALANTS | | JOINT MATERIALS |
| 32 16 13 | CURBS AND GUTTERS | LINEAR FEET | Formerly Division 32, Spec 430S P.C. CONCRETE CURB AND GUTTER |
| 32 16 23 | SIDEWALKS | SQUARE FEET | Formerly Division 32, Spec 432S P.C. CONCRETE SIDEWALKS |
| 32 16 33 | DRIVEWAYS | SQUARE FEET | Formerly Division 32, Spec 433S P.C. CONCRETE DRIVEWAYS |
| 32 16 13.13 | CIP CONC. CURB & GUTTER- VALLEY GUTTER | LINEAR FEET | Formerly Division 32, Spec 436S P.C. CONCRETE VALLEY GUTTERS |
| 32 17 13.19 | PRECAST CONCRETE | PER UNIT | Formerly Division 32, Spec 439S P.C. PARKING |
| | PARKING BUMPERS | | LOT BUMPER CURBS |
| 32 14 13 | PRECAST CONCRETE UNIT PAVING | PER UNIT | Formerly Division 32, Spec 480S CONCRETE PAVING UNITS FOR SIDEWALKS |
| 32 14 13.16 | PRECAST CONCRETE UNIT | PER UNIT | Formerly Division 32, Spec 485S CONCRETE |
| | PAVING SLABS-RAMPS | | PAVING UNITS FOR SIDEWALK RAMPS |
| 32 92 19.16 | HYDRAULIC SEEDING | SQUARE FEET | Formerly Division 32, Spec 604S SEEDING FOR EROSION CONTROL |
| 32 32 53 | STONE RETAINING WALLS | SQUARE FEET | Formerly Division 32, Spec 623S DRY STACK ROCK WALL |
| 32 17 23 | PAVEMENT MARKINGS | LINEAR FEET | Formerly Division 32, Spec 860S PAVEMENT MARKING PAINT |
| 33 05 07.23 | UTILITY BORING AND JACKING | LINEAR FEET | Formerly Division 33, Spec 501S JACKING OR BORING PIPE |
| 33 42 41 | GRATINGS AND FRAMES FOR STORMWATER DRAINAGE INLETS | PER UNIT | Formerly Division 33, Spec 503S FRAMES, GRATES, RINGS AND COVERS |
| 33 05 07.24 | CASING PIPE FOR UTILITY JACKING | LINEAR FEET | Formerly Division 33, Spec 505S CONCRETE ENCASEMENT AND ENCASEMENT PIPE |
| 33 05 61 | CONCRETE MANHOLES | PER UNIT | Formerly Division 33, Spec 506S MANHOLES |
| 33 14 19 | VALVES AND HYDRANTS FOR WATER UTILITY SERVICE | PER UNIT | Formerly Division 33, Spec 511S WATER VALVES |



Any future questions related to the Bid Form items shall be submitted to the contact provided, in writing, before the date and time listed in Addendum 01, July 26, 2024 at 5:00 pm. Any questions received after that date and time, or questions not received in the format specified, may not be considered for response.

Please acknowledge receipt of both Addendum 01 and Addendum 02 in writing on the cover of your submitted bid package. Acknowledgements must be signed and dated by the contact person for the submitting Contractor. Bids received by the Owner that do not acknowledge receipt of Addendum 01 and Addendum 02 will not be considered for selection.

Respectfully.

David Clark, P.E., CFM

Program Manager - Austin Area Public Works

Doucet & Associates, Inc.

TBPELS Engineering Firm No. 3937

TBPELS Survey Firm No. 10194551



David Clark, P.E., CFM
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RE: Caldwell County Evacuation Shelter – Addendum 03

To Whom It May Concern,

Based upon feedback and questions received from bidders since the Addendum 02, please see the below additional information regarding the extension for questions, the addition of the Conflict of Interest Questionnaire Form to the bid documents, and the addition of the Geotechnical report.

BIDDER QUESTION DATE EXTENSION:

The deadline for questions from bidders is extended to Friday, August 16, 2024 at 5:00 PM.

Any future questions related to the Bid Documents, Plans, and Bid Form items shall be submitted to the contact provided, in writing, before the date and time listed above, August 16, 2024, at 5:00 pm. Any questions received after that date and time, or questions not received in the format specified, may not be considered for response.

ITEMS ADDED TO THE PROJECT MANUAL AND SPECIFICATIONS

In the previously published "Project Manual and Specifications" pdf, the Conflict of Interest Questionnaire Form and Geotechnical Report were unintentionally omitted. These documents have been added to the following sections of the Project Manual:

| DIVISION | TITLE | NUMBER OF PAGES ADDED |
|----------|---|-----------------------|
| 00 31 32 | Geotechnical Engineering Report | 52 |
| 00 53 54 | Conflict of Interest Questionnaire Form | 1 |

These documents have been added to the Project Manual and Specifications, and the document title has been changed to "Project Manual and Specifications_Addendum 03" to indicate this update. Please note, the total number of pages in the document is now 1,945 pages.

Please acknowledge receipt of Addenda 01, 02, and 03 in writing on the cover of your submitted bid package. Acknowledgements must be signed and dated by the contact person for the submitting Contractor. Bids received by the Owner that do not acknowledge receipt of Addenda 01, 02, and 03 will not be considered for selection.

Respectfully,

David Clark, P.E., CFM

Program Manager - Austin Area Public Works

Doucet & Associates, Inc.

TBPELS Engineering Firm No. 3937 TBPELS Survey Firm No. 10194551



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Austin, TX 78735

RE: Caldwell County Evacuation Shelter – Addendum 04

To Whom It May Concern,

Based upon feedback and questions received from bidders following the Pre-Bid Conference held on July 12, 2024, at 3:00pm at the Caldwell County Courthouse in Lockhart, Texas, please see the below additional information clarifying required responses on the Bid Form.

BID FORM CLARIFICATIONS:

The current Bid Form (both pdf and excel format) lists individual line items under each Division corresponding to their respective Specification Sections and anticipated unit of measurement. A total of two hundred and four (204) Specification Sections are indicated across twenty-one (21) Divisions, including General Conditions. This addendum does not propose any changes to the contents of the Bid Form.

Caldwell County wishes to clarify that bidders are only required to enter bid amounts in dollars for the **DIVISION SUBTOTALS** located at the bottom of each Division and the overall **PROJECT TOTAL** (the summation of all Division Subtotals). A bid will be only considered complete if all twenty-one (21) DIVISION SUBTOTALS and the final PROJECT TOTAL are provided on the supplied Bid Form documents.

The Specification Sections listed under each Division are provided for the bidder's reference and are not required for a bid to be considered complete. Bidders may indicate bid prices in the Section Totals if they so choose. However, Caldwell County will not base the selection of Contractor on whether they indicate bid prices for each Section Total in each Division, nor will Caldwell County penalize or give special consideration to any bidders based on whether they provide individual Section Total bid prices.

An excerpt from the Bid Form is reflected below as an example, indicating the locations on the Bid Form where totals are optional (in green) and where totals are required (in yellow bounded by red):

| | | O | otional, not requi | ired |
|-----------------|------------------------|-------------|---|-----------------------|
| Division 03: | Concrete | | , | \ |
| Masterspec No.: | Specification Section: | Unit Type: | Quantity: Unit | Price: Section Total: |
| 03 10 00 | CONCRETE FORMWORK | LINEAR FEET | | \$ |
| 03 20 00 | CONCRETE REINFORCEMENT | SQUARE FEET | | \$ - |
| 03 30 00 | CAST-IN-PLACE CONCRETE | SQUARE FEET | | \$ - |
| 03 47 13 | TILT-UP CONCRETE | SQUARE FEET | | \$ - |
| | DIVISION SUBTOTAL | | | \$ - |
| | | REQU | IIRED FOR | |
| | | СОМ | PLETE BID | |



Please acknowledge receipt of Addenda 01, 02, 03, and 04 in writing on the cover of your submitted bid package. Acknowledgements must be signed and dated by the contact person for the submitting Contractor. Bids received by the Owner that do not acknowledge receipt of Addenda 01, 02, 03, and 04 will not be considered for selection.

Respectfully,

David Clark, P.E., CFM

Program Manager - Austin Area Public Works

Doucet & Associates, Inc.

TBPELS Engineering Firm No. 3937 TBPELS Survey Firm No. 10194551



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RE: Caldwell County Evacuation Shelter – Addendum 05

To Whom It May Concern,

Based upon feedback and questions received from bidders and Caldwell County bidding requirements, please see the below additional information.

PROJECT MANUAL DOCUMENT CORRECTIONS

Division 00, Section 00 73 56 incorrectly cited Texas Government Code Chapter 2770 regarding certification of no boycott of Israel. The correct section of the Texas Government Code is 2771. This code reference has been corrected on pages 1, 149, and 150 of the Project Manual and Specifications document.

PROJECT MANUAL SECTION ADDED

Section 00 21 13.13 Supplemental Instructions to Bidders has been added to the Project Manual and Specifications to provide TGC and LGC code references and language required by Caldwell County public project procurement procedures. The Project Manual document title has been changed to "Project Manual and Specifications_Addendum **05**" to indicate this update. Please note, the total number of pages in the document is now 1,947 pages.

BIDDER QUESTIONS AND RESPONSES

Following the Pre-Bid Conference held on July 12, 2024, at 3:00pm at the Caldwell Count Courthouse in Lockhart, Texas, Method Architecture and Doucet & Associates received various questions from bidders on or before August 16th, 2024. These questions and their responses are provided below.

1. Please see attached sheet for Spectrim decorative panel. Please advise if this is an acceptable alternative for WP-1.

Response: The Class A rated option available for the Spectrim Decorative Panel is an acceptable alternative to the specified System 310 PSI Panel. (Referenced sheet for Spectrim decorative panel accompanies this Addendum 05 document)

2. Sheet C8.4 - Detail #5 - Drawing shows top and bottom rail and Note #4 states top and bottom tension wire. Please advise on which the owner is asking for.

Response: Proposed 8' High Chain Link Security Fence at Lift Station Site shall be installed with top and bottom rail; tension wire configuration is not proposed. Note 4 for detail 5 on sheet C8.4 will be deleted.

3. I would like to request Stewart and Stevenson / MTU be an acceptable manufacturer for the generator on the Caldwell County Evacuation Center.

Response: MTU is an acceptable manufacturer for the generator.

4. What is the incoming power to the lift station control panel (for pump sizing)?

Response: Lift station elements are designed for 480V/3-phase power.



5. Will Proposals for material testing services be accepted?

Response: Per Section 00 72 00 General Conditions Part I for Construction, Item 15(d), construction materials testing will be the responsibility of the bidder.

6. I am reaching out to inquire about the process for submitting a substitution request.

Response: Please refer to Specification Section 01 25 00 – Substitution Procedures of the Project Manual for the project related to submitting substitution requests. The section does allow for Substitutions. We would evaluate any substitution requests against the performative requirements laid out in Division 07 specifications from the same Project Manual, and make a decision from there.

7. Section 00 21 13 Instructions to Bidders for Construction specifically calls out the bid form, bid bond, contractor's certifications, local opportunity plan, and the statement of the bidder's qualifications as required documents to be submitted in the sealed envelope with the bid submission (per spec 00 21 13 Item #5. Bids). However, I also see that several other Spec sections have forms to be completed – I understand some of these may be required after award. Can you please confirm which additional forms should be included with the submission on 8/23?

Response: The following Specification Sections and/or forms must be included for a complete bid:

| SECTION NO. | SECTION/DOCUMENT TITLE |
|-------------|---|
| - | Bid Form (with Division Totals and Overall Project Total, per Addendum 04) |
| 00 43 13 | Bid Bond |
| 00 43 53 | Certification Regarding Lobbying |
| 00 45 13 | Statement of Bidder's Qualifications |
| 00 45 19 | Noncollusion Affidavit of Prime Bidder |
| 00 45 30 | Certification of Bidder Regarding Civil Rights Laws and Regulations |
| 00 45 46.13 | Certification for Business Concerns |
| 00 45 53 | Certificate of Interested Parties (must file online at www.ethics.state.tx.us/File) |
| 00 45 56 | Disclosure of Lobbying Activities |
| 00 53 54 | Conflict of Interest Questionnaire |
| 00 54 73 | Proposed Contracts Breakdown |
| 00 54 76 | Estimated Project Workforce Breakdown |
| 00 62 36 | Contractor's Local Opportunity Plan |
| 00 73 36.13 | Policy of Nondiscrimination on the Basis of Disability |
| 00 73 43 | Certification Concerning Labor Standards and Prevailing Wage Requirements |
| 00 73 56 | Verification Required by Texas Government Code Chapter 2271 |

REMINDER OF BID OPENING INFORMATION

As a reminder to all bidders, the due date for bids is this Friday, August 23rd, 2024 at 1:00PM. Bid documents shall be addressed to Hoppy Haden, County Judge, sealed in an envelope, and clearly labeled with the words "Bid Documents", the project number (22-085-024D265), the name of the bidder, and must have written and signed acknowledgement of Addenda 01, 02, 03, 04, and 05. Bidders must submit three (3) hard copies, mailed or hand-delivered, and may also submit an electronic copy of bid documents via USB drive. Bids will be opened and read aloud at 1:00PM on Friday, August 23rd, 2024 in the Caldwell County Courtroom, 2nd floor at 110 S. Main St., Lockhart, TX 78644.



Please acknowledge receipt of Addenda 01, 02, 03, 04, and 05 in writing on the cover of your submitted bid package. Acknowledgements must be signed and dated by the contact person for the submitting Bidder. Bids received by the Owner that do not acknowledge receipt of Addenda 01, 02, 03, 04, and 05 will not be considered for selection.

Respectfully,

David Clark, P.E., CFM

Program Manager - Austin Area Public Works

Doucet & Associates, Inc.

TBPELS Engineering Firm No. 3937

TBPELS Survey Firm No. 10194551



Renee Bean, AIA, NCARB, GCBI Method Architecture 200 E. Grayson St., Suite 122 San Antonio, Texas 78215

RE: Caldwell County Evacuation Shelter – Addendum 06

To whom it may concern,

Please see below for the list of bidder's questions received by Method Architecture on or before August 16th, 2024 and their corresponding responses.

BIDDER QUESTIONS AND RESPONSES

1. Is this project tax exempt and will the owner be issuing a tax-exempt certificate?

Response: No, this is not a tax-exempt project

2. Can you provide us with and Fire Alarm layout drawing?

Response: Fire Suppression system is specified to be delegated design.

3. Where on the bid form do we put the alternate pricing?

Response: All Specs are written with a Basis of Design product (BOD). Please refer to Specification Section 01 25 00 – Substitution Procedures of the Project Manual for the project related to submitting substitution requests. The section does allow for Substitutions. We would evaluate any substitution requests against the performative requirements in the BOD specification from the same Project Manual and decide from there.

4. Will a new bid form be released showing only divisional totals with alternate pricing at the end?

Response: Refer to Addendum 04 available on CivCast.

5. There is mention of commissioning multiple scopes in the "related work" section of 26 0800 – commissioning of electrical. Additionally, there is mention of general commissioning requirements, section 01 9100. However, the only commissioning spec provided is for electrical. Please confirm that only electrical is to be commissioned.

Response: No, in addition to the lighting, the IECC requires commissioning of all HVAC system plus the hot water recirculation

6. Please clarify glass color to be supplied: Reference 08 80 00 Part 3.09 which indicates Clear Glass with SB90 coating. However, Sheet A7.10 Note #2 indicates gray glass w/ Low E.



Response: Refer to Spec Section 08 80 00 for a Basis of Design selection of glass that must meet specific energy code requirements.

7. Please indicate which doors operators are to be provided. Reference Spec 08 71 13 – Power Operators: Door schedule does not appear to indicate any sets with operators.

Response: Refer to the Door Schedule and Specification sections 08 71 00 - Door Hardware and 08 33 23 Overhead Coiling Doors for all door operational information.

8. Reference Doors D109, D110 & D114. Elevation Sheet A3.00 appears to indicate aluminum framed doors however schedule indicates HM with Narrow Vision Lite. Please clarify what should be provided.

Response: Refer to the information in the Door Schedule for correct panel type.

9. Please confirm wind pressures can be reduced from ultimate to nominal if engineered drawings are provided – Reference S0.00 Design Criteria #7–.

Response: It is confirmed that wind pressure can be reduced from ultimate to nominal. However, the ALLOWABLE STRESS DESIGN (ASD) methodology and load combinations must be used.

10. Reference 8/1A1.11 – No information provided on type of mirror and shown as continuous. Confirm J channel set mirror with butt joints.

Response: Confirmed.

11. Reference Sheet A7.10 Mark W9: Please indicate if frame is continuous or divided with framed wall or panel system between? See below

Response: The Frame is divided with panel system structural steel between them.

12. Please confirm door D127A should be aluminum storefront in lieu of HM.

Response: Yes, D127A should be aluminum storefront.

13. Kawneer has indicated 1620 Curtain wall should be used in lieu of storefront. Specified system will require additional verticals and head receptors both which alter design intent. Please confirm use of curtain wall in lieu of storefront systems.

Response: All storefronts were designed within the 12' height limitations of the 601 system. Curtainwall is not a part of this project. Refer to Sheet A7.10 for storefront dimensions and Specification section 08 41 13 for storefront Basis of Design information.

14. Please provide a specification section for the awnings.



Response: There are no awnings in this project.

15. Please provide more details or a specification on the CON-1 – Concrete w/ colorful aggregate. Will this concrete be sealed as well?

Response: This concrete will be sealed. The design intent is for the aggregate to provide color to the flooring in lieu of an integral color or stain product. Refer to Specification section

16. Are the wood benches butcherblock or solid surface?

Response: The benches are wooden

17. What is the pump size/demand for the lift station?

Response: Please see the attached pump recommendation for no-clog pump selection. The lift station has been designed based on 480V/3 phase power, 110 gpm flow rate, and total design head of 40ft. Force main has been revised to 4" diameter per City of Luling requirements, revised FM sheets attached.

UPDATED SHEETS ATTACHED:

L1.00, L1.01, L1.02, L1.03, L1.04, L1.10, L1.11, L2.01, L2.02, L2.03, L2.04, L2.10

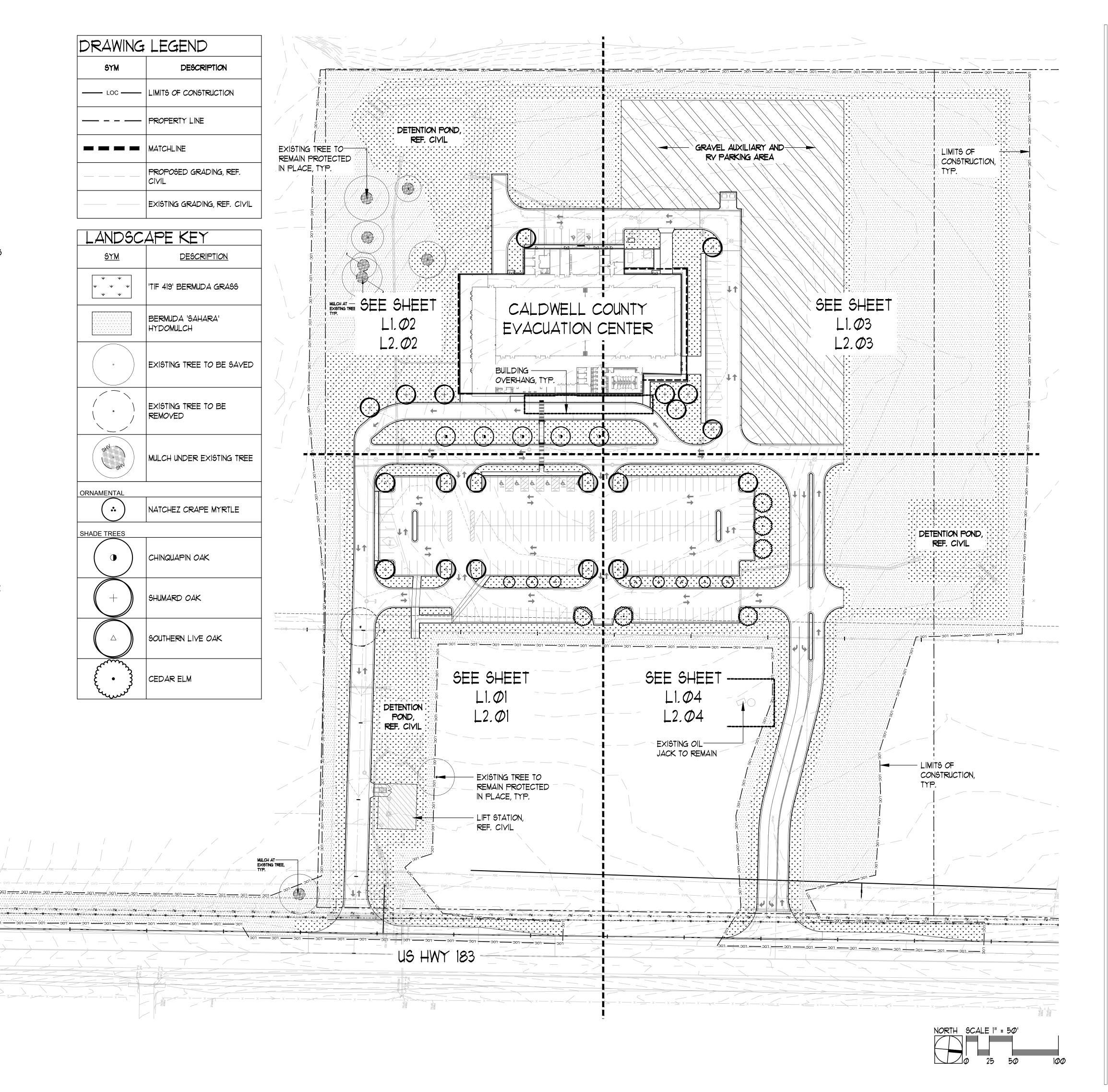
Please acknowledge receipt of Addenda 01, 02, 03, 04, 05, and 06 in writing on the cover of your submitted bid package. Acknowledgements must be signed and dated by the contact person for the submitting Bidder. Bids received by the Owner that do not acknowledge receipt of Addenda 01, 02, 03, 04, 05, and 06 will not be considered for selection.

LANDSCAPE NOTES:

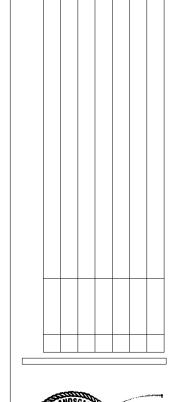
- ALL UNDESIRED VEGETATION (WEEDS, ETC.) WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED AND ROOT SYSTEMS SHOULD BE ERADICATED.
- 2. FINISH GRADES OF PLANT BED AREAS (TOP OF MULCH), SOD (TOP OF SOD), HYDROMULCH (TOP OF TOPSOIL), SHALL BE FLUSH WITH ADJACENT PAVING.
- TRENCHING AND SITE WORK PERFORMED WITHIN THE PROMINENT ROOT ZONES OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPADE UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT. NO ROOTS OVER 1" DIA. SHALL BE CUT.
- 4. VERIFY PLANT COUNTS AND SQUARE FOOTAGES, QUANTITIES ARE PROVIDED AS REFERENCE ONLY. IF QUANTITIES ON PLANT SCHEDULE DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHICS SHALL PREVAIL.
- 5. LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS OF ACTUAL MATERIAL TO BE PLANTED PRIOR TO PURCHASE, DIGGING, OR SHIPPING OF PLANT MATERIALS.
- 6. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
- PLANT NAMES USED ON THE PLANS COMPLY WITH STANDARD HORTICULTURAL NOMENCLATURE, AND NAMES GENERALLY ACCEPTED IN THE NURSERY TRADE. THE LANDSCAPE ARCHITECT, OR OWNERS REPRESENTATIVE SHALL REVIEW ALL PLANTS AT THE TIME OF DELIVERY TO THE SITE. IF THE CONTRACTOR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT, OR OWNERS REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE DELIVERY TIME, AND/OR DOES NOT CALL FOR OBSERVATION OF THE MATERIAL, THE CONTRACTOR SHALL BE LIABLE FOR ALL REMOVAL AND REPLACEMENT COSTS OF THE PLANT MATERIAL. THE PLANT MATERIAL WILL BE JUDGED AND ACCEPTED OR REJECTED ON BASIS OF THE FOLLOWING CRITERIA.
- a. PROVIDE PLANTS OF QUALITY, SIZE, GENUS, SPECIES, AND VARIETY AS INDICATED ON THE PLANS AND AS COORDINATED WITH THE LANDSCAPE ARCHITECT.
- b. PLANTS SHALL BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS, CONFORMING TO ANSI Z60.1
- c. TREE CANOPIES SHALL HAVE AN INTACT AND UNDAMAGED CENTRAL LEADER.
- d. TREES ARE REQUIRED TO STAND UPRIGHT WITH NO SUPPORT AND HAVE PROPER TRUNK CALIPER (PER CITY OF AUSTIN REQUIREMENTS) AND TAPER. TREES HAVING "BROOM STICK" TRUNKS WITH "POODLE" TOPS WILL NOT BE ACCEPTED.
- e. BARK SHALL BE DAMAGE FREE WITH ALL MINOR CUTS AND ABRASIONS SHOWING HEALING TISSUE. FOLIAGE, ROOTS AND STEMS OF ALL PLANTS SHALL BE OF VIGOROUS HEALTH AND NORMAL HABIT OF GROWTH FOR ITS SPECIES. ALL PLANTS SHALL BE FREE OF INSECT INFESTATIONS AND DISEASES. TOP GROWTH SHALL BE PROPORTIONATE TO BOTTOM GROWTH.
- f. SHRUBS TRANSPLANTED IN AN UP-SIZED CONTAINER LARGER THAN SPECIFIED SIZE, SHALL HAVE BEEN GROWN IN THAT CONTAINER FOR A SUFFICIENT LENGTH OF TIME TO DEVELOP NEW FIBROUS ROOTS, SO THAT ROOT MASS WILL FILL THE CONTAINER.
- g. AREAS DISTURBED BY CONSTRUCTION AND ARE NOT SCHEDULED TO BE IMPROVED SHALL BE REPAIRED TO THE STATE THAT IT WAS PRIOR TO THE START OF CONSTRUCTION.
- 8. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS PLANTS SO DESIGNATED PER THESE NOTES AND DRAWINGS.
- 9. EXACT LOCATIONS OF TREES TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO DIRECT THE ADJUSTMENT OF PLANTS TO EXACT LOCATION IN FIELD.
- 10. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
- 11. PROVIDE EDGING AS DIVIDER BETWEEN PLANTING BEDS AND LAWN AREAS.

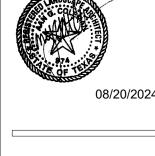
- LIMITS OF

CONSTRUCTION,









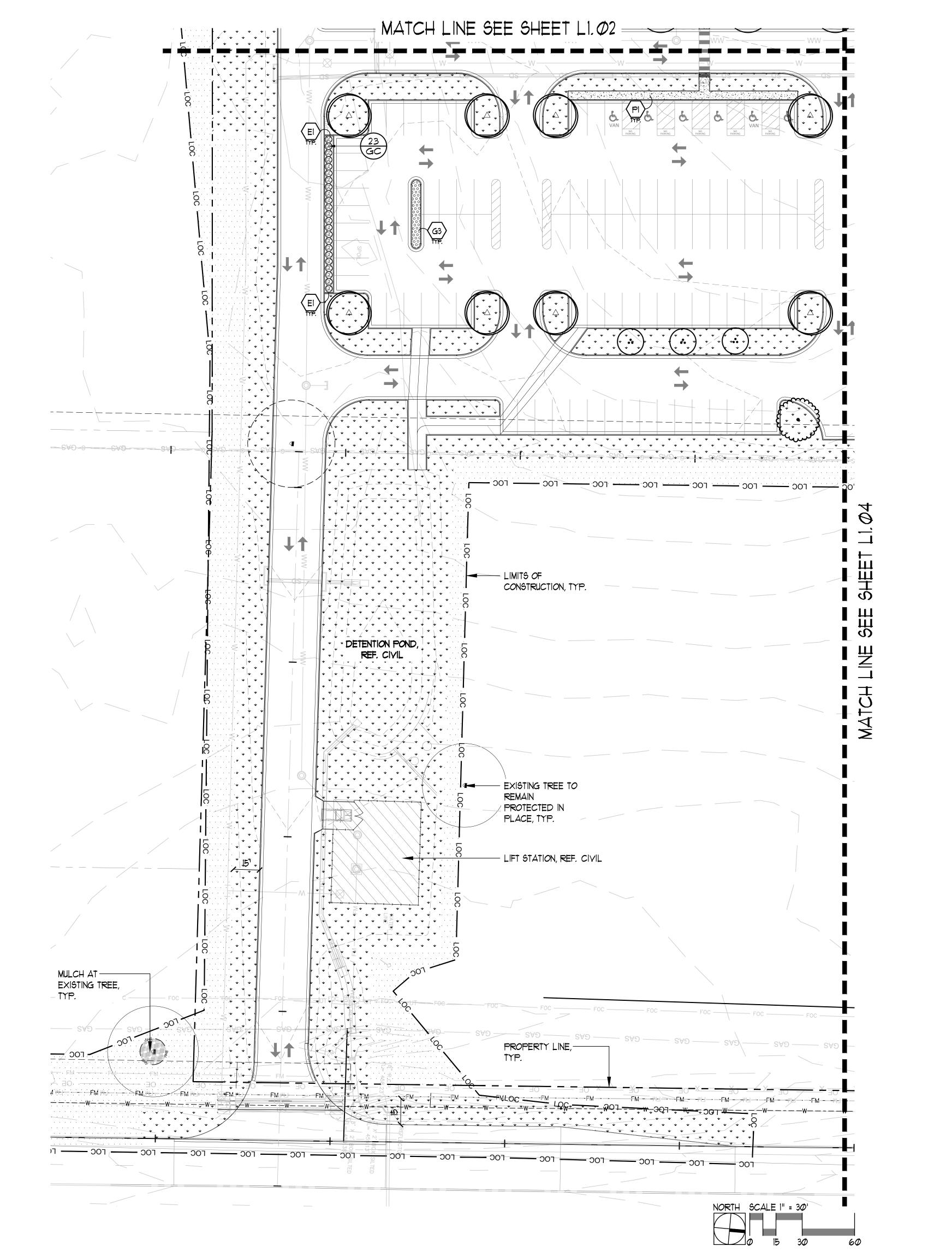


CALDWELL COUNTY EVACUATION SHELTER

PM: JAP PROJECT: M22-04-P001

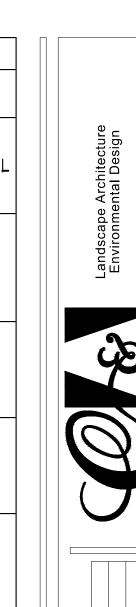
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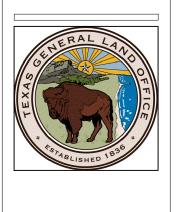
L1.00 OVERALL LANDSCAPE PLAN



| CONSTRUCTION KEY | | | |
|----------------------------------|--|--|---------------|
| KEY NOTE | <u>5YM</u> | <u>DESCRIPTION</u> | <u>DETAIL</u> |
| | | CONCRETE PAVEMENT, FINISH: LIGHT BROOM, REF. CIVIL FOR DEPTH AND REINFORCEMENT | REF. CIVIL |
| \(\rightarrow{\rho_2}\rightarrow | The state of the s | CONCRETE MOW BAND AT BUILDING | 2/L1.1Ø |
| Ei | | CONCRETE MOW BAND AT LANDSCAPE SIZE: 9" WIDE X 6" DEPTH | 3/L1.1Ø |
| GI | | GRAVEL MAINTENANCE BAND AT BUILDING TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 1/L1.1Ø |
| (G2) | | GRAVEL AREA TYPE A TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 6/L1.10 |
| (G3) | | GRAVEL AREA TYPE B TYPE: WASHED GRANITE GRAVEL SIZE: 1/4"-1/2" DIAMETER AT 4" DEPTH | 6/L1.10 |

| LANDSC | APE KEY |
|---|--------------------------------|
| SYM | <u>DESCRIPTION</u> |
| \(\psi \) | 'TIF 419' BERMUDA GRASS |
| | BERMUDA 'SAHARA' HYDOMULCH |
| 0 | EXISTING TREE TO BE SAVED |
| | EXISTING TREE TO BE REMOVED |
| SM | MULCH UNDER EXISTING TREE |
| ORNAMENTAL | |
| | NATCHEZ CRAPE MYRTLE |
| SHADE TREES | |
| | CHINQUAPIN OAK |
| + | SHUMARD OAK |
| | SOUTHERN LIVE OAK |
| £ • 33 | CEDAR ELM |

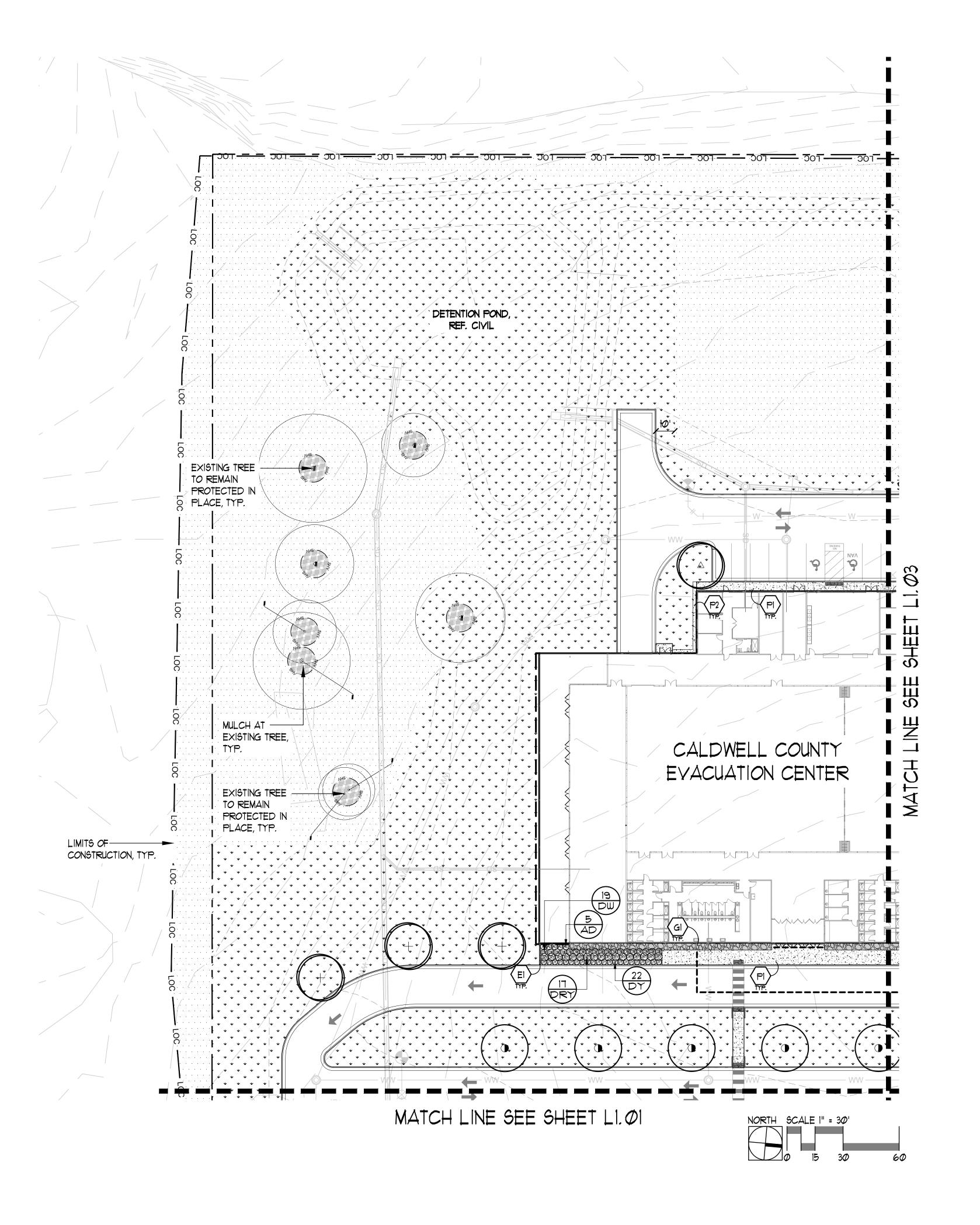




CALDWELL COUNTY
EVACUATION SHELTER

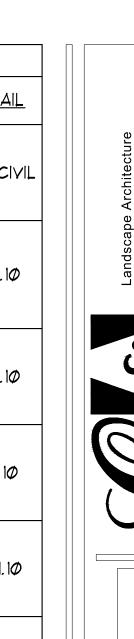
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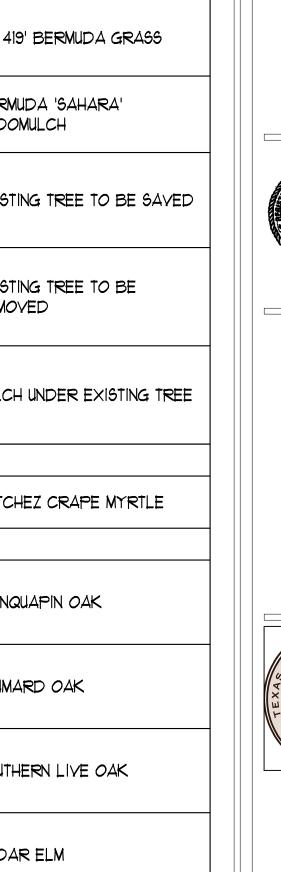
L1.01
LANDSCAPE PLAN



| CONSTRUCTION KEY | | | | |
|------------------|--|--|------------|--|
| KEY NOTE | <u>SYM</u> | <u>DESCRIPTION</u> | | |
| PI | 4 4 | CONCRETE PAVEMENT, FINISH: LIGHT BROOM, REF. CIVIL FOR DEPTH AND REINFORCEMENT | REF. CIVIL | |
| (P2) | The state of the s | CONCRETE MOW BAND AT BUILDING | 2/L1.1Ø | |
| EI | | CONCRETE MOW BAND AT LANDSCAPE SIZE: 9" WIDE X 6" DEPTH | 3/L1.1Ø | |
| (GI) | | GRAVEL MAINTENANCE BAND AT BUILDING TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 1/L1.1Ø | |
| (G2) | | GRAVEL AREA TYPE A TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 6/L1.10 | |
| (G3) | 000000000 0000000000 0000000000 0000000 | GRAVEL AREA TYPE B TYPE: WASHED GRANITE GRAVEL SIZE: 1/4"-1/2" DIAMETER AT 4" DEPTH | 6/L1.10 | |

| LANDSC | LANDSCAPE KEY | | | | |
|---|--------------------------------|--|--|--|--|
| SYM | DESCRIPTION | | | | |
| \(\psi \) | 'TIF 419' BERMUDA GRASS | | | | |
| | BERMUDA 'SAHARA' HYDOMULCH | | | | |
| · | EXISTING TREE TO BE SAVED | | | | |
| | EXISTING TREE TO BE REMOVED | | | | |
| SM | MULCH UNDER EXISTING TREE | | | | |
| ORNAMENTAL | | | | | |
| (<u>.</u>) | NATCHEZ CRAPE MYRTLE | | | | |
| SHADE TREES | | | | | |
| | CHINQUAPIN OAK | | | | |
| + | SHUMARD OAK | | | | |
| | SOUTHERN LIVE OAK | | | | |
| £ • 33 | CEDAR ELM | | | | |



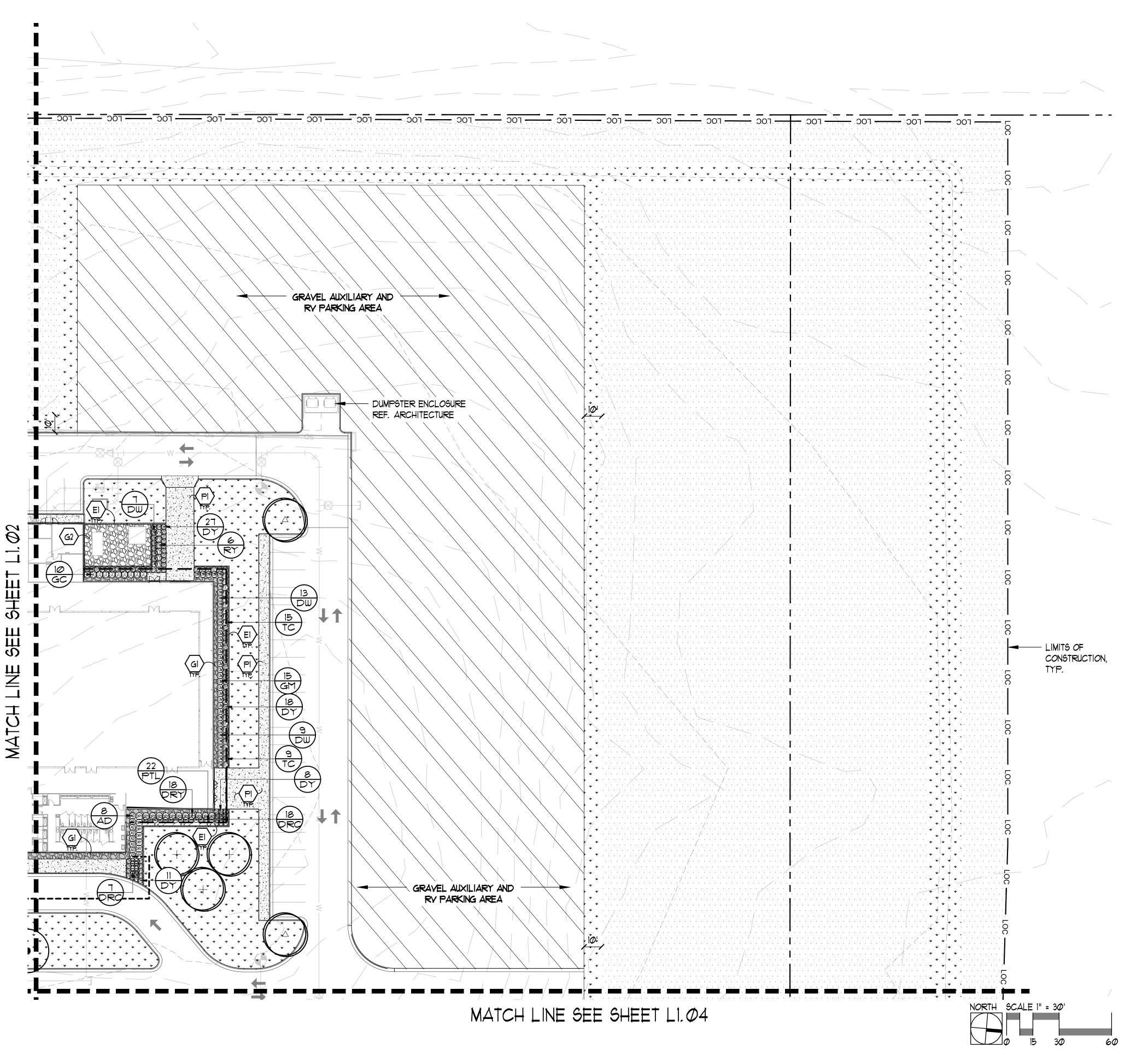




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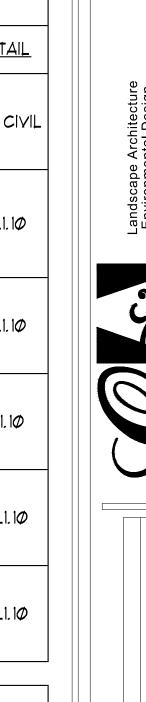
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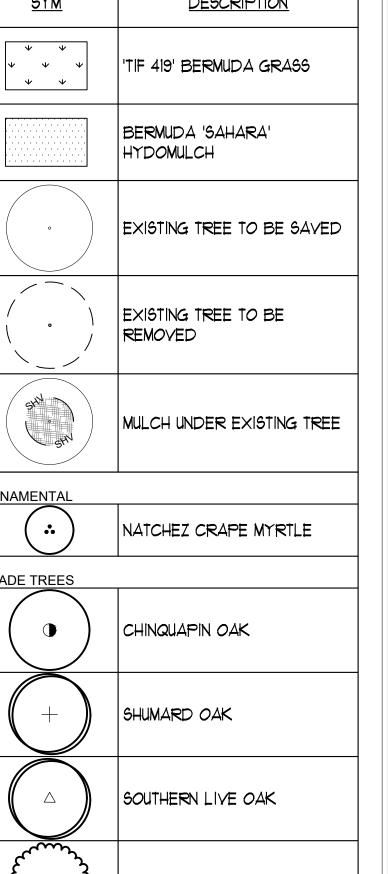
L1.02 LANDSCAPE PLAN



| CO | CONSTRUCTION KEY | | | |
|-------------|---|--|---------------|--|
| KEY NOTE | <u>SYM</u> | <u>DESCRIPTION</u> | <u>DETAIL</u> | |
| PI | 4 | CONCRETE PAVEMENT, FINISH: LIGHT BROOM, REF. CIVIL FOR DEPTH AND REINFORCEMENT | REF. CIVIL | |
| (P2) | [A A A A A A A A A A A A A A A A A A A | CONCRETE MOW BAND AT BUILDING | 2/L1.1Ø | |
| EI | | CONCRETE MOW BAND AT LANDSCAPE SIZE: 9" WIDE X 6" DEPTH | 3/L1.1Ø | |
| GI | | GRAVEL MAINTENANCE BAND AT BUILDING TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 1/L1.1Ø | |
| (G2) | | GRAVEL AREA TYPE A TYPE: WASHED LOCAL RIVER ROCK SIZE: 1"-2" DIAMETER AT 4" DEPTH | 6/L1.10 | |
| (G3) | 00000000000000000000000000000000000000 | GRAVEL AREA TYPE B TYPE: WASHED GRANITE GRAVEL SIZE: 1/4"-1/2" DIAMETER AT 4" DEPTH | 6/L1.1Ø | |

| LANDSC | APE KEY |
|---|--------------------------------|
| SYM | <u>DESCRIPTION</u> |
| \(\psi \) | 'TIF 419' BERMUDA GRASS |
| | BERMUDA 'SAHARA' HYDOMULCH |
| 0 | EXISTING TREE TO BE SAVED |
| | EXISTING TREE TO BE REMOVED |
| | MULCH UNDER EXISTING TREE |
| ORNAMENTAL | |
| | NATCHEZ CRAPE MYRTLE |
| SHADE TREES | |
| | CHINQUAPIN OAK |
| | SHUMARD OAK |
| | SOUTHERN LIVE OAK |
| £ • 3 | CEDAR ELM |





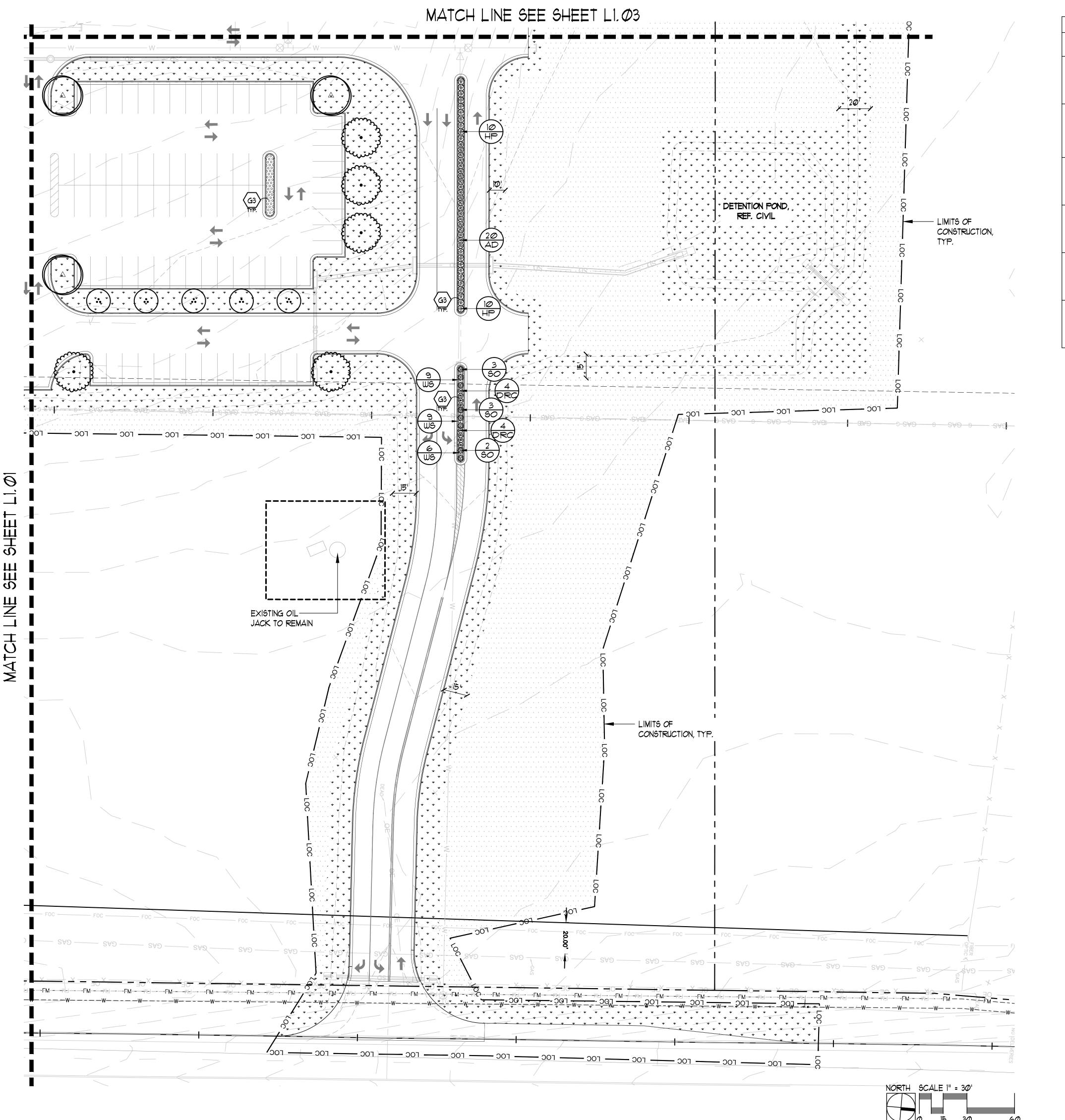


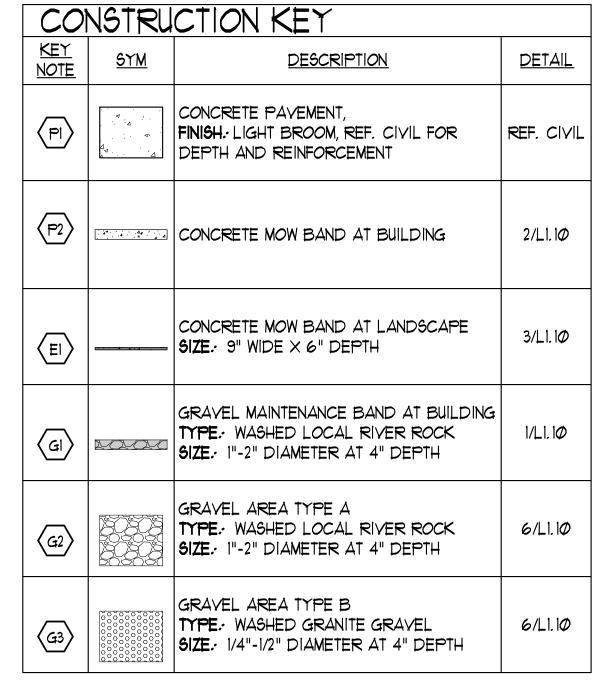
CALDWELL COUNTY EVACUATION SHELTER

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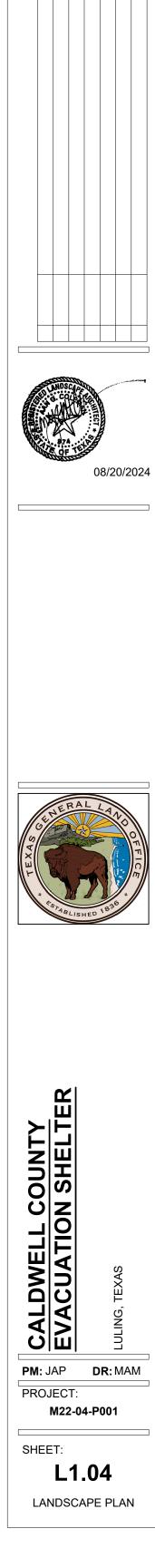
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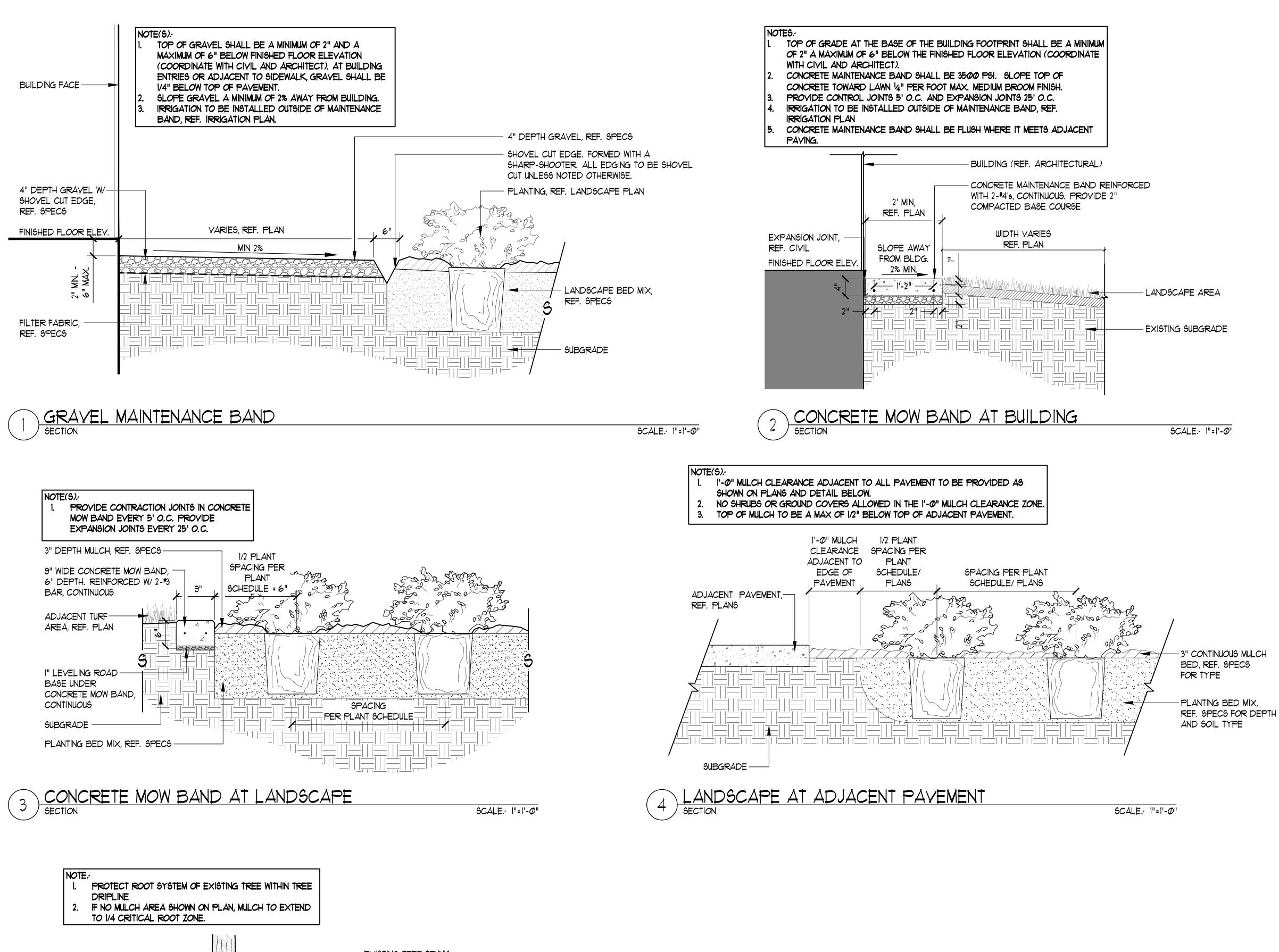
L1.03 LANDSCAPE PLAN

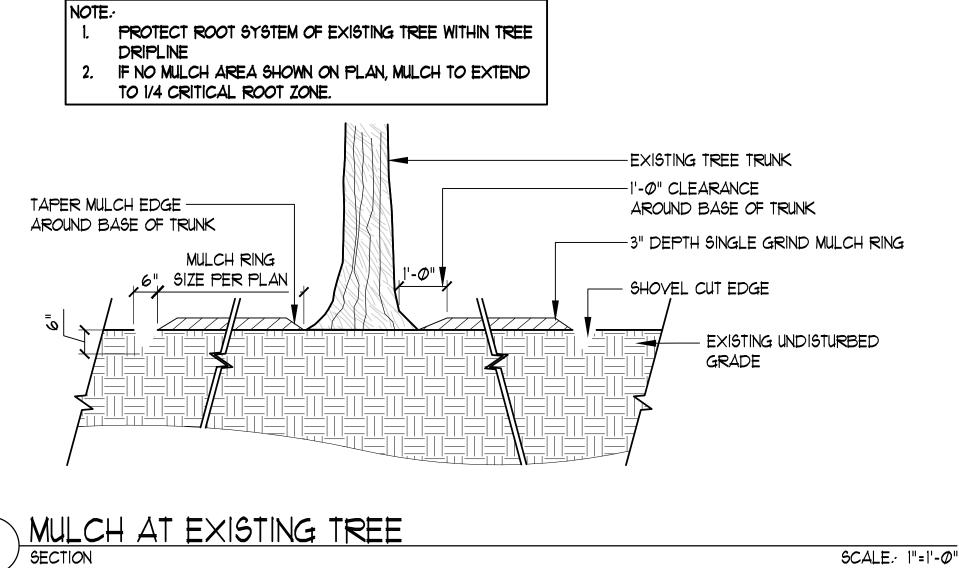




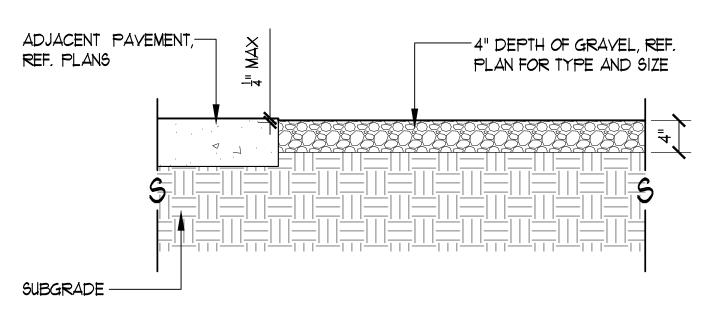
| LANDSC | APE KEY | | | | | |
|---|--------------------------------|--|--|--|--|--|
| SYM | <u>DESCRIPTION</u> | | | | | |
| \(\psi \) | 'TIF 419' BERMUDA GRASS | | | | | |
| | BERMUDA 'SAHARA' HYDOMULCH | | | | | |
| · | EXISTING TREE TO BE SAVED | | | | | |
| | EXISTING TREE TO BE REMOVED | | | | | |
| SH | MULCH UNDER EXISTING TREE | | | | | |
| ORNAMENTAL | | | | | | |
| | NATCHEZ CRAPE MYRTLE | | | | | |
| SHADE TREES | SHADE TREES | | | | | |
| | CHINQUAPIN OAK | | | | | |
| + | SHUMARD OAK | | | | | |
| | SOUTHERN LIVE OAK | | | | | |
| £ • 33 | CEDAR ELM | | | | | |





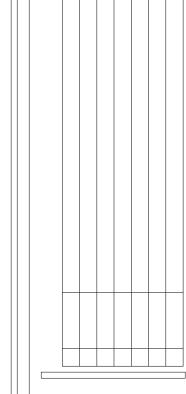


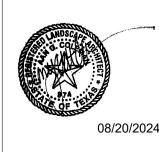
SCALE: 1"=1'-Ø"













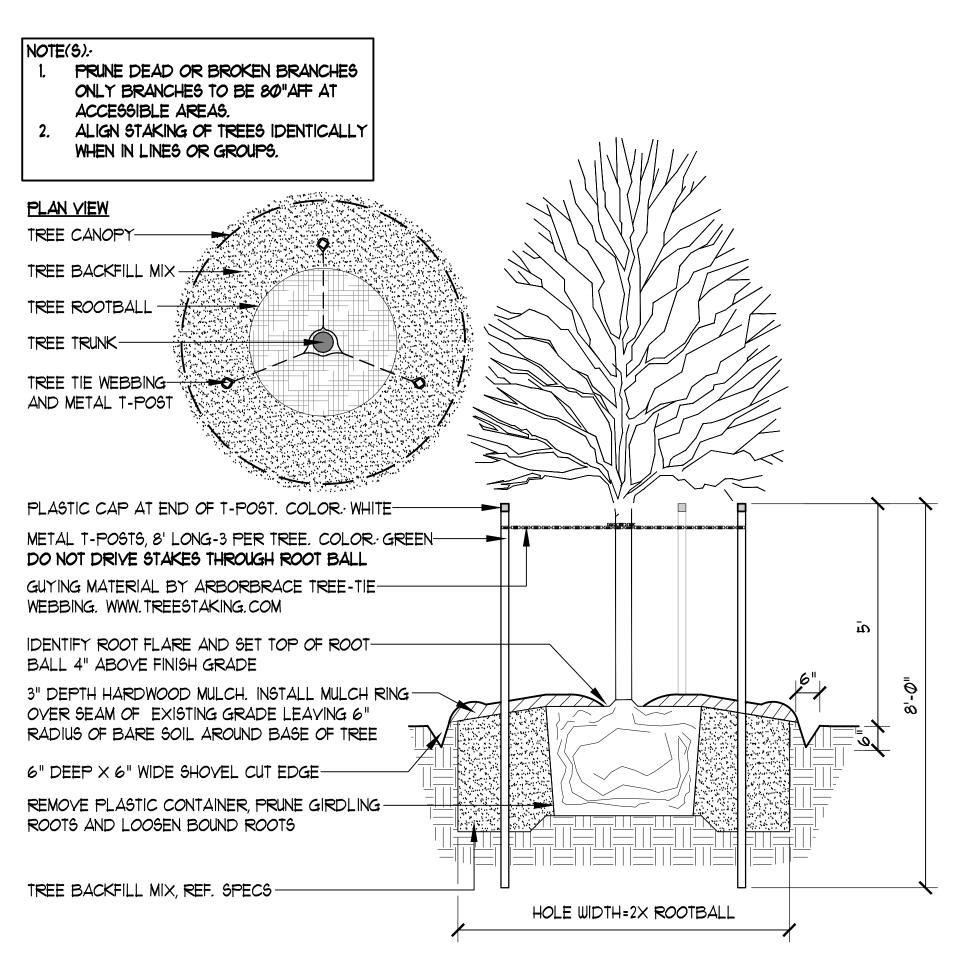


CALDWELL COUNTY EVACUATION SHELT PM: JAP PROJECT: M22-04-P001

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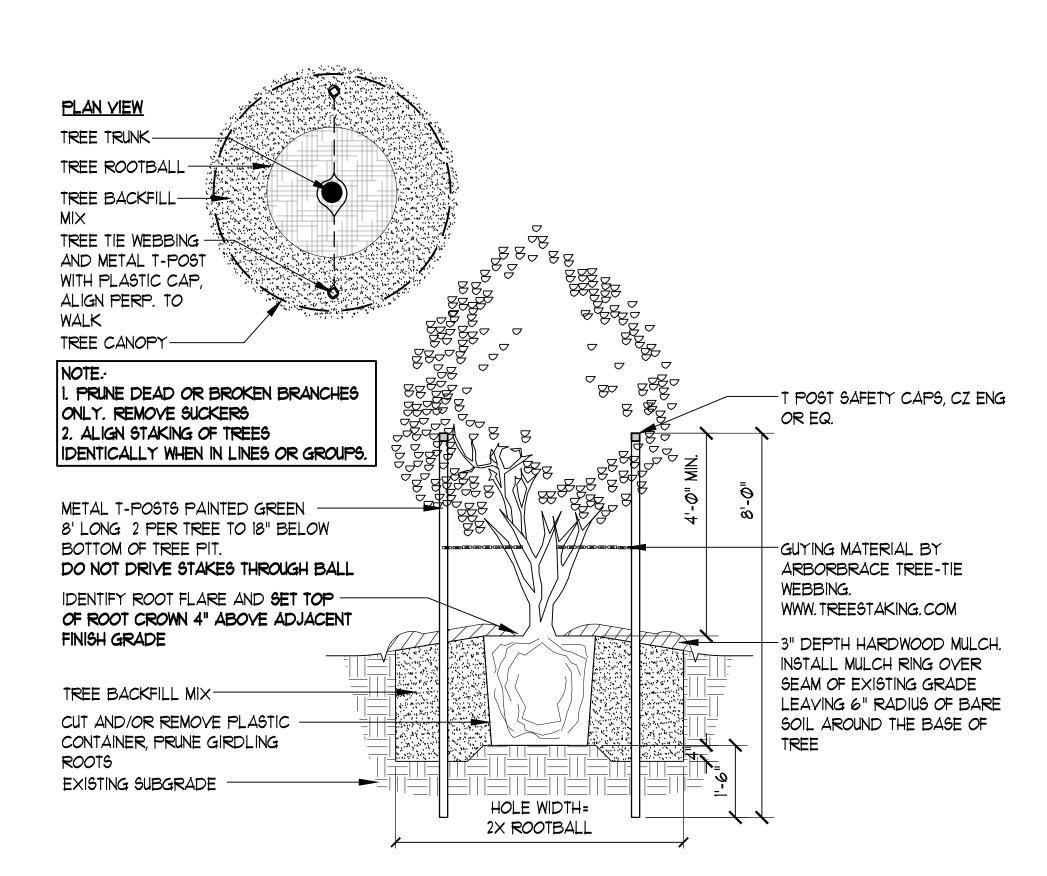
L1.10

DETAILS



SHADE TREE STANDARD STAKING SECTION

SCALE: 1/2"=1'-0"



2 ORNAMENTAL TREE STANDARD STAKING
SECTION

SCALE: 1/2"=1'-0"

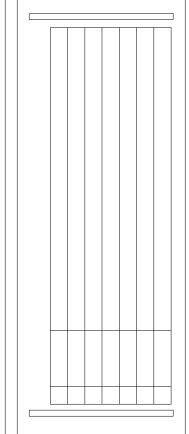
| SYMBOL | QTY | COMMON / BOTANICAL NAME | CONT | CALIPER | HEIGHT | SPREAD |
|-------------------------------|-----|--|--------|--------------------------------------|-------------|---------|
| ORNAMENTA | L | | _ | _ | | _ |
| | 8 | NATCHEZ CRAPE MYRTLE LAGERSTROEMIA INDICA FAURIEI 'NATCHEZ' | 65 GAL | 1.5 <i>0</i> -2.5 <i>0</i> " CAL. | ΙΦ'-12' HT. | 4' SPR. |
| SHADE TREE | S | | _ | _ | | |
| | 5 | CHINQUAPIN OAK QUERCUS MUHLENBERGII | 65 GAL | 3" CAL. | 12-14' HT. | 6' SPR. |
| $\overline{\left(+ \right)}$ | 6 | SHUMARD OAK QUERCUS SHUMARDII | 65 GAL | 3" CAL. | 12-14' HT. | 6' SPR. |
| | 14 | SOUTHERN LIVE OAK QUERCUS VIRGINIANA | 65 GAL | 3" CAL. | 12-14' HT. | 6' SPR. |
| £ • 3 | 6 | CEDAR ELM ULMUS CRASSIFOLIA | 65 GAL | 3" CAL. | 12-14' HT. | 6' SPR. |

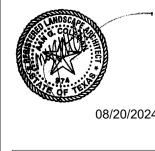
| CODE | QTY | COMMON / BOTANICAL NAME | CONT | SPACING |
|--------|-----|---------------------------------------|---------|----------|
| SHRUBS | 3 | | | |
| AD | 33 | ADAGIO DWARF MAIDEN GRASS | 5 GAL | 42" o.c. |
| | | MISCANTHUS SINENSIS 'ADAGIO' | | |
| DRC | 33 | DRIFT ROSE CORAL | 5 GAL | 36" o.c. |
| | | ROSA 'MEIDRIFORA' | | |
| DRY | 35 | DESERT DUSK RED YUCCA | 3 GAL | 48" o.c. |
| | | HESPERALOE PARVIFLORA 'MSWNPERMA' TM | | |
| DW | 48 | DON'S DWARF WAXMYRTLE | 5 GAL | 42" o.c. |
| | | MYRICA CERIFERA 'DON'S DWARF' | | |
| DY | 86 | SCHILLINGS DWARF YAUPON | 5 GAL | 36" o.c. |
| | | ILEX VOMITORIA 'SCHILLINGS DWARF' | | |
| GC | 33 | GREEN CLOUD SAGE | 5 GAL | 48" o.c. |
| | | LEUCOPHYLLUM FRUTESCENS 'GREEN CLOUD' | | |
| GM | 15 | GULF MUHLY | 3 GAL | 42" o.c. |
| | | MUHLENBERGIA CAPILLARIS 'REGAL MIST' | | |
| 10 | 20 | PINK PARADE HESPERALOE | 5 GAL | 48" o.c. |
| | | HESPERALOE X PINK PARADE PP 21828 | | |
| RY | 6 | RED YUCCA | 5 GAL | 48" o.c. |
| | | HESPERALOE PARVIFLORA | | |
| 50 | 8 | TEXAS GREEN SOTOL | 24" BOX | 48" o.c. |
| | | DASYLIRION TEXANUM | | |
| TC | 24 | BIG MOMMA TURK'S CAP | 5 GAL | 42" o.c. |
| | | MALYAYISCUS DRUMMONDII 'BIG MOMMA' | | |

| 41700 | | | VER + TURF SCHED | <u> </u> | _ |
|---------------------------------------|-------|-----|---|----------|----------|
| SYMBOL | CODE | QTY | COMMON / BOTANICAL NAME | CONT | SPACING |
| GROUND C | OVERS | | | | |
| | PTL | 22 | PURPLE TRAILING LANTANA LANTANA MONTEVIDENSIS 'PURPLE' | 1 GAL® | 24" o.c. |
| | WS | 24 | WOOLY STEMODIA STEMODIA TOMENTOSA | 1 GAL | 24" o.c. |
| TURF | | | | | |
| SYMBOL | | QTY | COMMON / BOTANICAL NAME | CONT | |
| · · · · · · · · · · · · · · · · · · · | * | | TIF 419' BERMUDA GRASS CYNODON DACTYLON 'TIF 419' | SOD | |
| | | | SAHARA BERMUDA GRASS CYNODON DACTYLON 'SAHARA' | HYDROM | ULCH |

Landscape Architecture Environmental Design 9890 Silver Mountain Drive Austin, Texas 78737 Ph: 512-476-2090 F: 512-476-2099







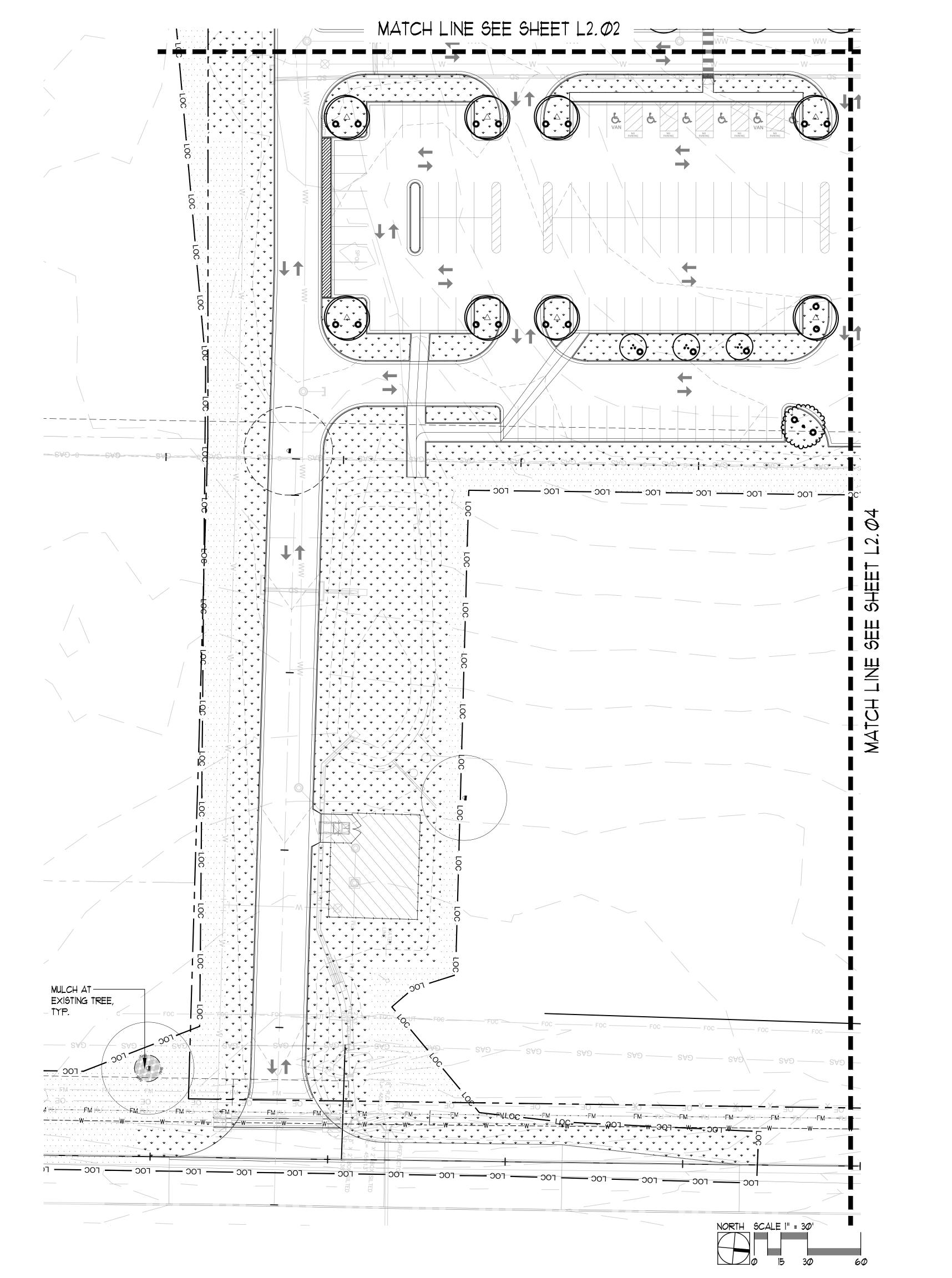


CALDWELL COUNTY
EVACUATION SHELTER

PM: JAP **DR**: MAM PROJECT: **M22-04-P001**

SHEET:

L1.11
DETAILS



| SYMBOL | DESCRIPTION |
|---------------------------------------|---|
| + + + + + + + + + + + + + + + + + + + | SPRAY IRRIGATION |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | |
| | TEMPORARY SPRAY IRRIGATION |
| | DRIP IRRIGATION |
| • | TWO BUBBLERS PER TREE. (ONE BUBBLER PER ORNAMENTAL TREE) |

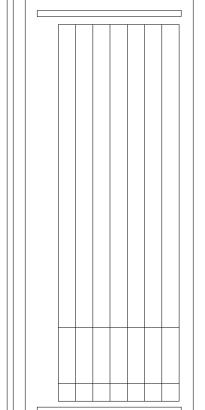
GENERAL NOTES.

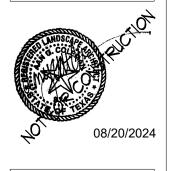
- 1. NO TRENCHING WILL BE ALLOWED WITHIN PROMINENT ROOT ZONES.

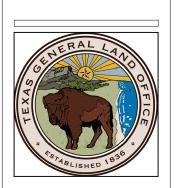
 2. NO TREE TRINKS TO BE DIRECTLY SPRAYED BY
- 2. NO TREE TRUNKS TO BE DIRECTLY SPRAYED BY SPRAY HEADS. HEADS TO BE ADJUSTED AS NEEDED.
- 3. BOOSTER PUMP TO BE PROVIDED DUE TO LOW PRESSURE.

NOTE: FULL IRRIGATION
DRAWINGS WILL BE
ISSUED AS AN ASI







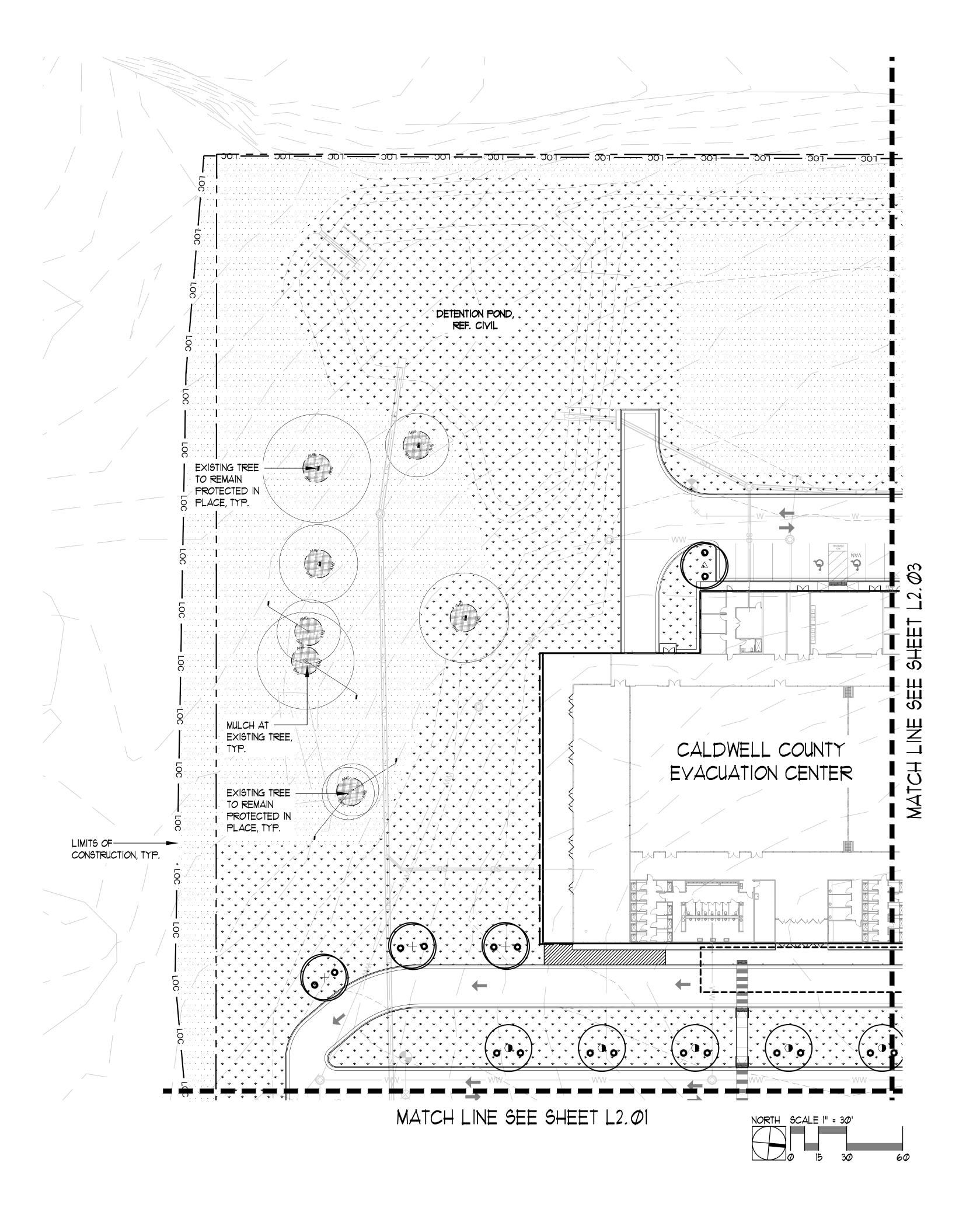


CALDWELL COUNTY
EVACUATION SHELTER

PM: JAP DR: MAM
PROJECT:
M22-04-P001

SHEET: **L2.01**

IRRIGATION PLAN

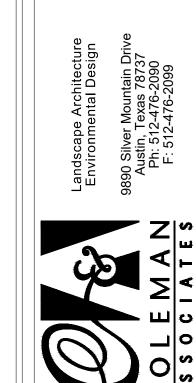


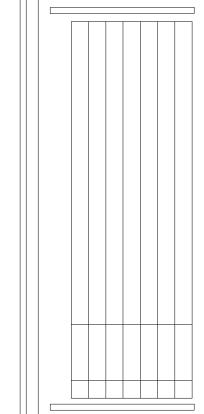
| SYMBOL | DESCRIPTION |
|------------|---|
| \(\psi \) | SPRAY IRRIGATION |
| | TEMPORARY SPRAY IRRIGATION |
| | DRIP IRRIGATION |
| • | TWO BUBBLERS PER TREE. (ONE BUBBLER PER ORNAMENTAL TREE) |

GENERAL NOTES.

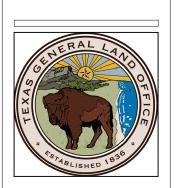
- 1. NO TRENCHING WILL BE ALLOWED WITHIN PROMINENT ROOT ZONES.
- 2. NO TREE TRUNKS TO BE DIRECTLY SPRAYED BY SPRAY HEADS. HEADS TO BE ADJUSTED AS NEEDED.
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NOTE: FULL IRRIGATION
DRAWINGS WILL BE
ISSUED AS AN ASI









CALDWELL COUNTY EVACUATION SHELTER

PM: JAP DR: MAM

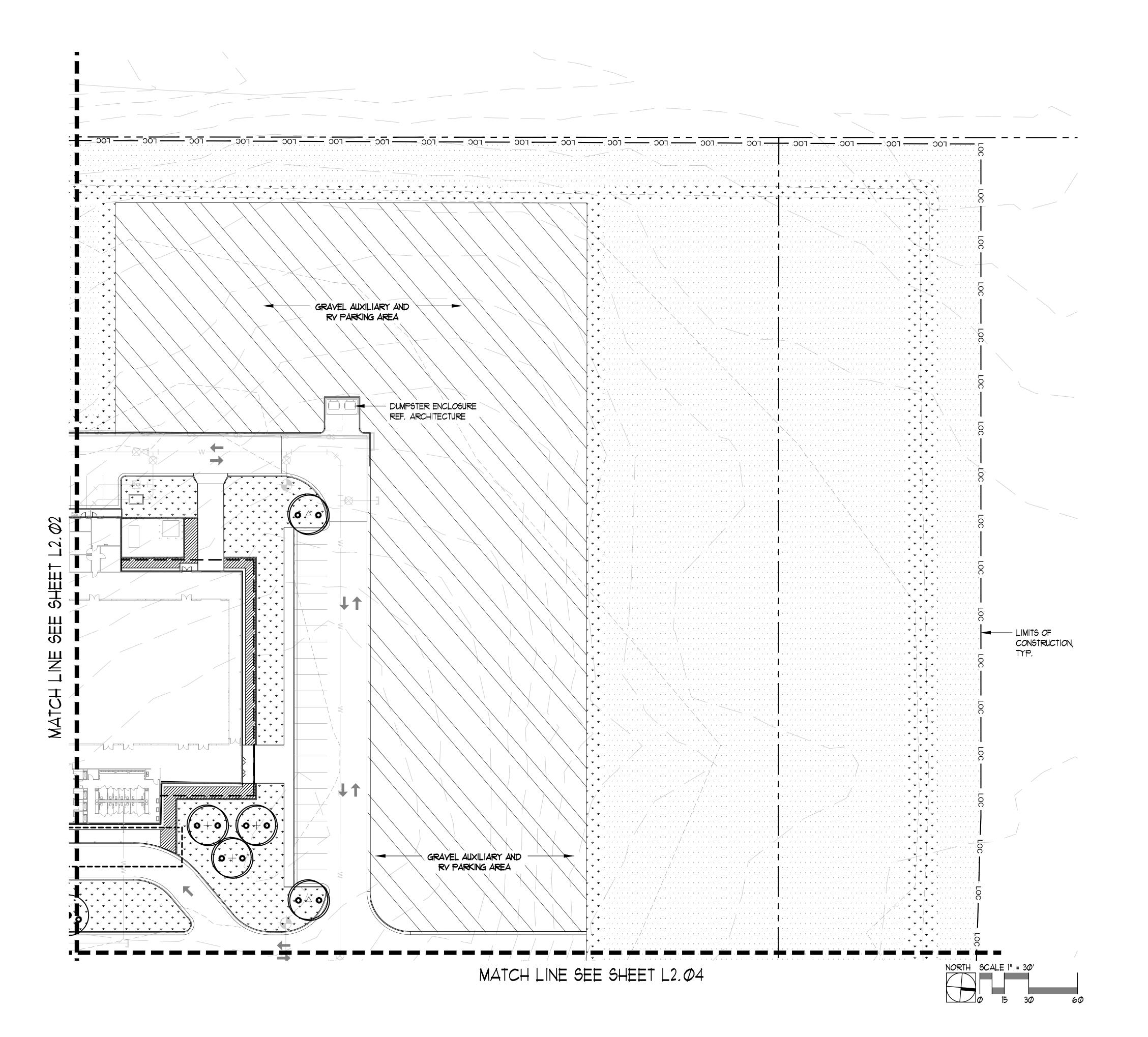
PROJECT:

M22-04-P001

SHEET:

L2.02

IRRIGATION PLAN



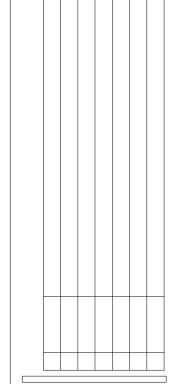
| SYMBOL | DESCRIPTION |
|------------|---|
| \(\psi \) | SPRAY IRRIGATION |
| | TEMPORARY SPRAY IRRIGATION |
| | DRIP IRRIGATION |
| • | TWO BUBBLERS PER TREE. (ONE BUBBLER PER ORNAMENTAL TREE) |

GENERAL NOTES.

- 1. NO TRENCHING WILL BE ALLOWED WITHIN PROMINENT ROOT ZONES.
- 2. NO TREE TRUNKS TO BE DIRECTLY SPRAYED BY SPRAY HEADS. HEADS TO BE ADJUSTED AS
- 3. BOOSTER PUMP TO BE PROVIDED DUE TO LOW PRESSURE.

NOTE: FULL IRRIGATION
DRAWINGS WILL BE
ISSUED AS AN ASI









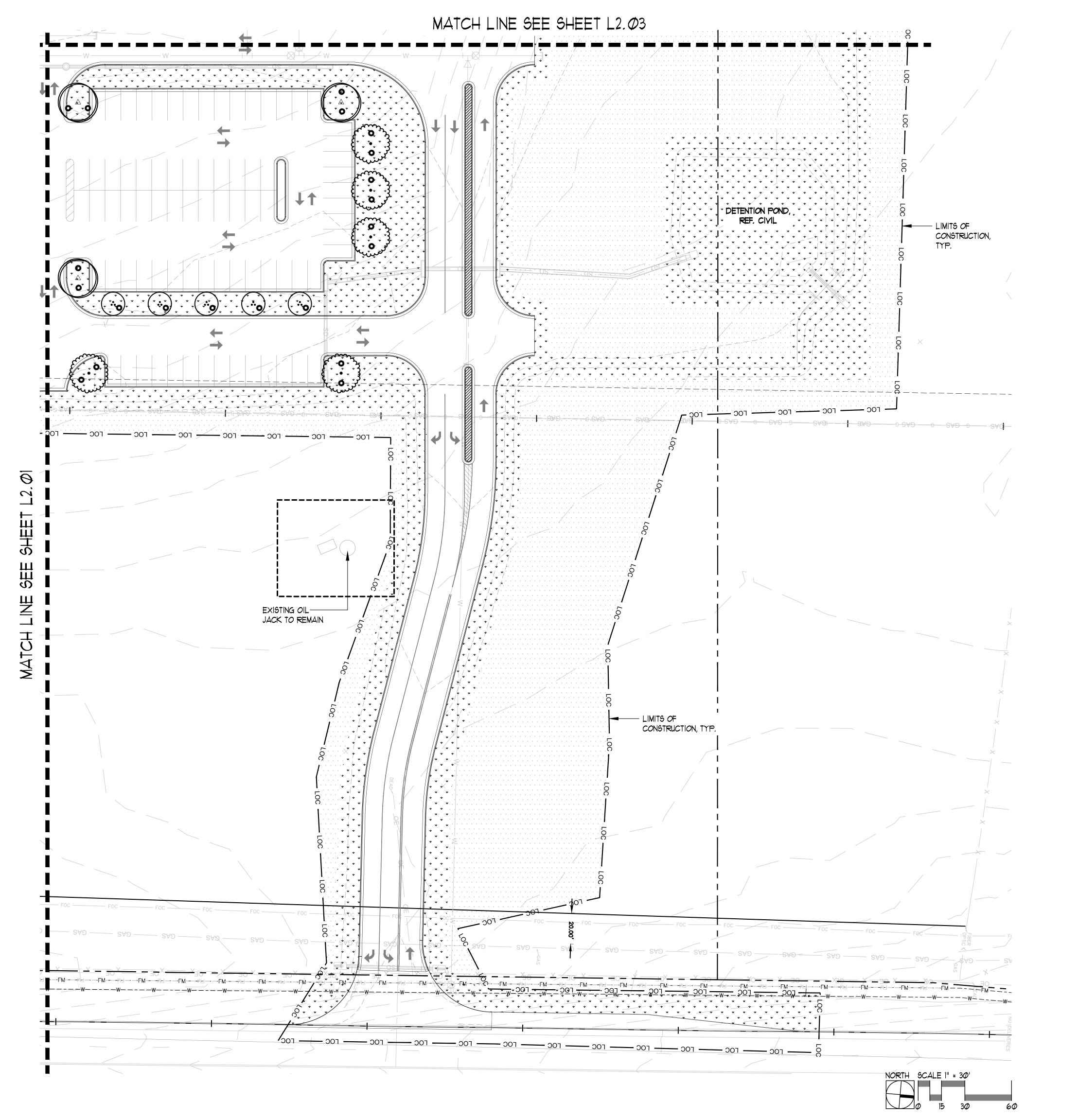
CALDWELL COUNTY EVACUATION SHELTER

PM: JAP DR: MAM
PROJECT:

M22-04-P001

SHEET: **L2.03**

IRRIGATION PLAN



| SYMBOL | DESCRIPTION |
|---|---|
| \(\psi \) | SPRAY IRRIGATION |
| | TEMPORARY SPRAY IRRIGATION |
| | DRIP IRRIGATION |
| 0 | TWO BUBBLERS PER TREE. (ONE BUBBLER PER ORNAMENTAL TREE) |

GENERAL NOTES.

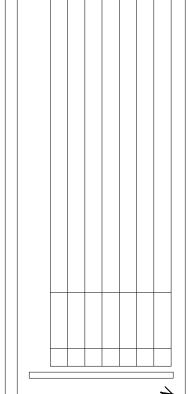
PRESSURE.

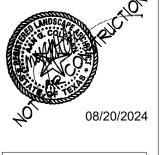
- NO TRENCHING WILL BE ALLOWED WITHIN PROMINENT ROOT ZONES.
 NO TREE TRUNKS TO BE DIRECTLY SPRAYED BY
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 BOOSTER PUMP TO BE PROVIDED DUE TO LOW

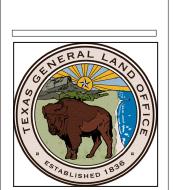
NOTE: FULL IRRIGATION

DRAWINGS WILL BE ISSUED AS AN ASI Landscape Architecture
Environmental Design
9890 Silver Mountain Drive
Austin, Texas 78737
Ph: 512-476-2090
F: 512-476-2099







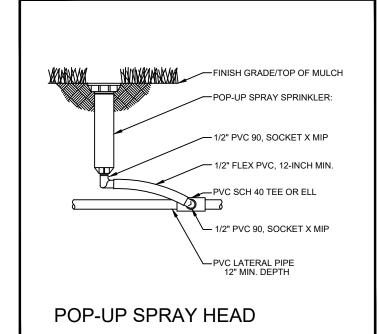


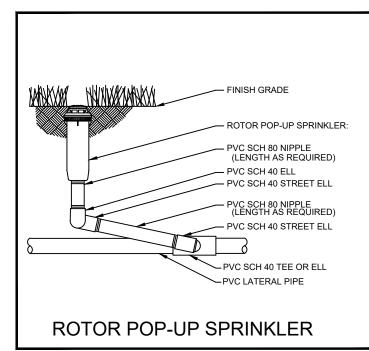
CALDWELL COUNTY EVACUATION SHELTER

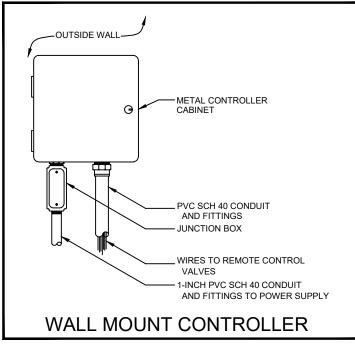
PM: JAP DR: MAM
PROJECT:
M22-04-P001

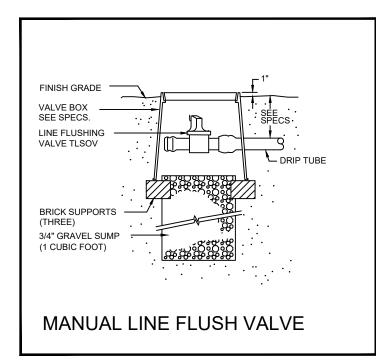
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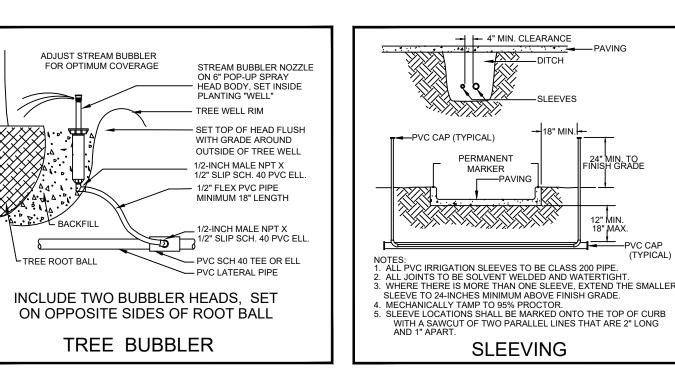
L2.04
IRRIGATION PLAN

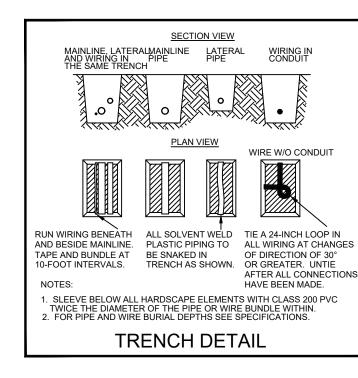


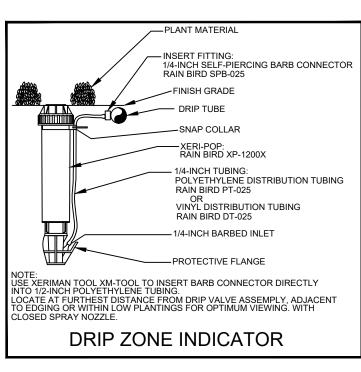


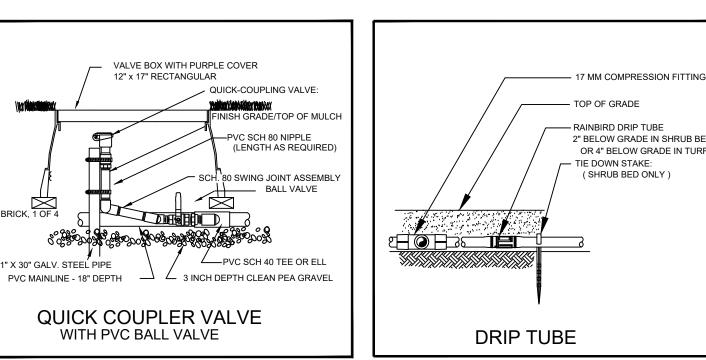


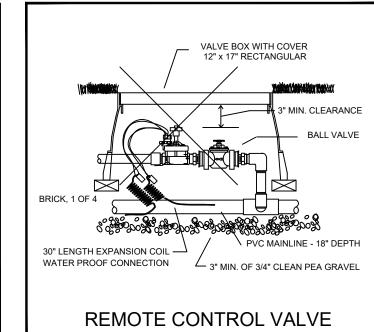


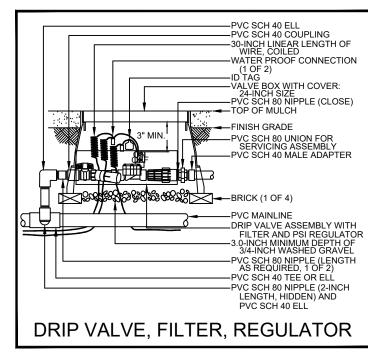


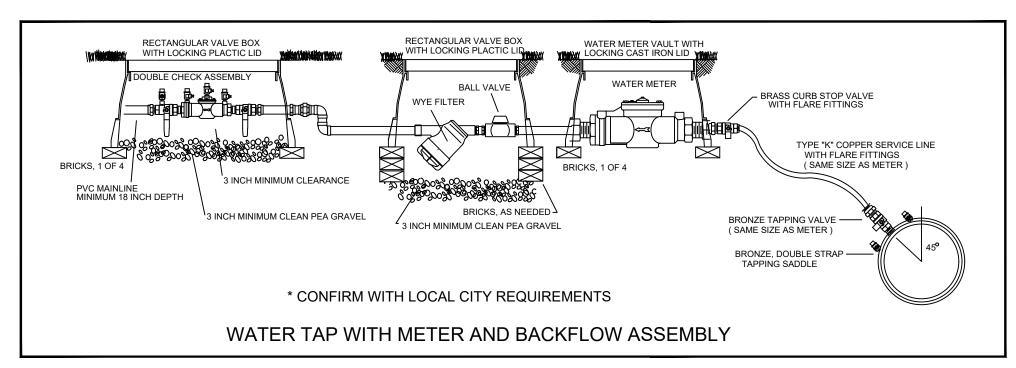










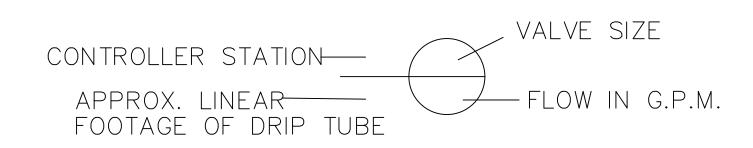


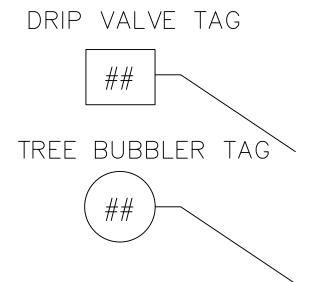
TEMPORARY IRRIGATION

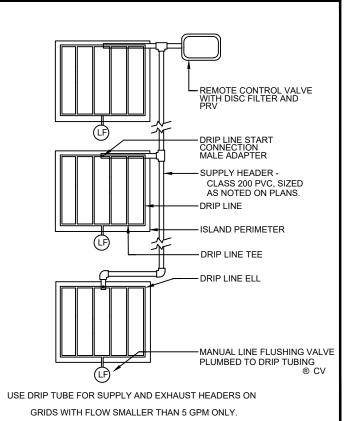
THE CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN AND PROVIDE TEMPORARY IRRIGATION FOR THE ESTABLISHMENT OF ALL PROPOSED PLANT MATERIALS LOCATED OUTSIDE THE LIMITS OF COVERAGE PROVIDED BY THE PERMANENT SYSTEM.

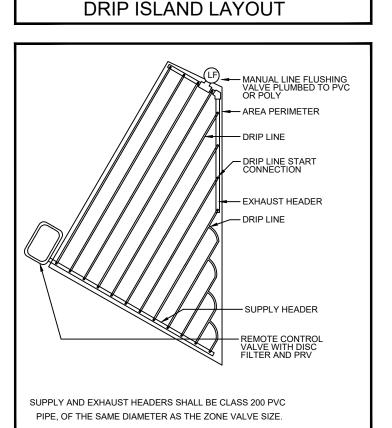
COORDINATION WITH EXISTING TREES

NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. HAND-DIG ONLY, WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING BEGINS.





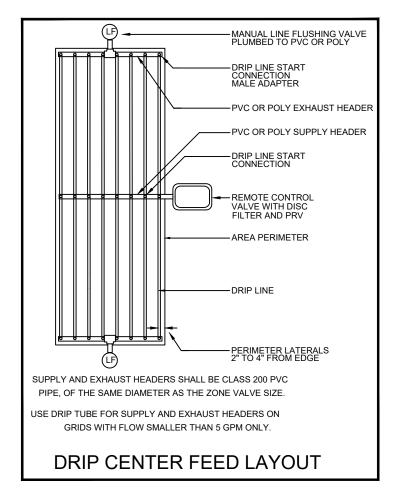




IRREGULAR AREA DRIP LAYOUT

USE DRIP TUBE FOR SUPPLY AND EXHAUST HEADERS ON

GRIDS WITH FLOW SMALLER THAN 5 GPM ONLY.



INSTALLATION NOTES

- 1. COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER. THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. L.I.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
- 2. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN THE ROOT ZONE OF EXISTING TREES. WITHIN THE ROOT ZONES OF EXISTING TREES. NO ROOTS OVER 1" DIAMETER SHALL BE CUT. STAKE ALL PROPOSED TRENCH ROUTES NEAR EXISTING TREES FOR APPROVAL BY THE LANDSCAPE ARCHITECT BEFORE DIGGING
- 3. CONFIRM MINIMUM STATIC WATER PRESSURE OF 65 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
- 4. LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND — TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
- 5. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
- 6. ELECTRIC POWER SHALL BE PROVIDED WITHIN FIVE FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. L.I.C. TO PROVIDE FINAL HARD-WIRE TO CONTROLLER.
- 7. 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE WC20 CONNECTORS AS MANUFACTURED BY RAINBIRD. ALL FIELD SPLICES SHALL BE LOCATED IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION. EACH VALVE BOX SHALL INCLUDE AN EXTRA 3 FEET OF TWO WIRE PATH FOR FUTURE MAINTENANCE. ARE NOT AT THE END OF THE TWO WIRE PATH SHALL BE INSTALLED WITH A THREE WAY SPLICE
- 8. VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES, AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE. D.C.A., WITH UPSTREAM BALL VALVE AND WYE FILTER SHALL BE BOXED AND LOCATED ACCORDING TO LOCAL CODE 9. USE RIGID SCH. 80 PVC SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
- 10. ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #795 SOLVENT AND #P-70 PRIMER. 11. PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET). 12. CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. 13. LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY. CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER
- 14. THE PROPOSED LOCATIONS OF ALL ABOVE— GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTORS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
- 15. ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES. (6" OR GREATER WHERE REQUIRED BY LOCAL CODE) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE THE ADDITION OF CHECK VALVES WHERE NEEDED TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR, AND INSTALL CHECK VALVES FOR UP 10 % OF THE TOTAL NUMBER OF HEADS WHEN NEEDED, WITH NO ADDITIONAL COST TO THE
- 16. WHERE SHOWN ON THE PLANS, MASS SHRUB / GROUNDCOVER BEDS SHALL INCLUDE NETAFIM TECHLINE TLHCVXR SERIES DRIP TUBE WITH PRE-INSTALLED .55 GPH DRIP EMITTERS AT 12" INTERVALS (TLHCVXR5-12), INSTALLED IN CENTER-FED GRIDS WITH ROWS SPACED 18" APART. INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 L.F. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 2" BELOW FINISHED SOIL GRADE (NOT INCLUDING MULCH LAYER), SECURELY STAKED EVERY 18". NETAFIM #TL050MFV-1 FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE CV SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE. INSTALL TLCV IN-LINE CHECK VALVES FOR EVERY 4.5 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. USE NETAFIM STAPLES (#TLS6) TO SECURE TUBING EVERY 18" EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP-UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP-UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHEST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGING OR IN LOW PLANTINGS FOR EASE OF VIEWING. SPARSLEY SPACED, INDIVIDUAL SHRUB PLANTINGS MAY INCLUDE RAINBIRD #XBT-10 SINGLE-OUTLET EMITTERS OR RAINBIRD #XBT-10-6 MULTI-OUTLET EMITTERS INSTALLED AS DETAILED. PROVIDE MINIMUM TWO, 1 G.P.H. OUTLETS PER INDIVIDUAL SHRUB. SINGLE / MULTI-OUTLET EMITTERS MAY BE CONNECTED TO THE SAME DRIP ZONE VALVE WHICH SERVES ADJACENT DRIP TUBE GRIDS, UNLESS NOTED OTHERWISE.

LEGEND

3 LINEAR FEET OF RAINBIRD #LDQ0806 1/4" DRIP TUBE PLACED IN EACH HANGING BASKET.

RAINBIRD 1806-SAM-PRS SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER TREE)

SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE RAINBIRD 1812-SAM-PRS SERIES POP UP SPRAY HEAD WITH U-SERIES NOZZLE AS NOTED BELOW - SHRUB

RAINBIRD 1804-SAM-PRS SERIES POP UP SPRAY HEAD WITH U-SERIES NOZZLE AS NOTED BELOW

NETAFIM TECHLINE TLHCVXR5-12 SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH SEE INSTALLATION NOTE #16 REGARDING DRIP TUBE LAYOUT IN SHRUB BEDS.

HUNTER PGP ULTRA. ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, "4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE

RAINBIRD PEB SERIES ELECTRIC REMOTE CONTROL VALVE

RAINBIRD PEB SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE

NETAFIM LVCZ SERIES DRIP VALVE ASSEMBLY WITH 42 PSI REGULATOR, 140 MESH FILTER, SAME SIZE PVC BALL VALVE USE MODEL LVCZS8010075-LF FOR DRIP ZONES WITH .25 TO 4 GPM FLOW RATE

USE MODEL LVCZS8010075-HF FOR DRIP ZONES WITH 5 TO 12 GPM FLOW RATE USE MODEL LVCZ-150 FOR DRIP ZONES WITH 13 TO 35 GPM FLOW RATE

RAINBIRD 33-DNP QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE

L.I.C. SHALL INSTALL ONE QUICK COUPLER WITHIN 50 L.F. OF EACH ANNUAL BED. BACKFLOW DEVICE. INSTALL PER CITY CODE SAME SIZE WILKINS 850 SERIES BRONZE

BALL VALVE AND WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN IRRIGATION WATER METER

RAINBIRD ESP12LXMEF SERIES AUTOMATIC CONTROLLER WITH ONE ESPLXMSM 12 STATION MODULE AND LXMMSSPED PEDESTAL, IQ CLOUD VERSION 3.0, IQ3G-USA CELLULAR SERVICE, AND IQ4EXTANT EXTERNAL CELLULAR ANTENNA WITH RAINBIRD WR2-RFC RAIN FREEZE COMBO. CONFIRM EXACT LOCATION OF

RAIN / FREEZE COMBO WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. ONE YEAR OF CELLULAR SERVICE INCLUDED; SIGN UP AT IQCLOUD.RAINBIRD.COM L.I.C. SHALL CONTACT WATER LOGIC AT 713-983-9555 FOR SYSTEM ACTIVATION. MASTER ELECTRIC VALVE (SAME SIZE AS WATER METER) AND RAINBIRD FS200P SERIES FLOW METER DEVICE

SITEONE GREEN TECH VARIABLE SPEED PRESSURE START BOOSTER PUMP, SKID MOUNTED INSIDE A HEATED / INSULATED ALUMINUM ENCLOSURE. PUMP PROVIDING UP TO 65 GPM AT 30 PSI BOOST. PUMP POWER SHALL BE 230 v. SINGLE PHASE. CONTACT JIM WHITE WITH SITEONE GREEN TECH AT 210-838-5576. CLASS 200 PVC MAINLINE PIPE

4" CLASS 200 SLEEVE PIPE TWO 4" CLASS 200 SLEEVE PIPE

1 1/4" PVC CONDUIT WITH LONG RADIUS SWEEP FITTINGS TO BOTTOM OF LIGHT POLE FOR HANGING BASKETS AT EACH IRRIGATION SLEEVE LOCATION UNDER CONCRETE, PROVIDE A BRASS CARRIAGE BOLT, SET IN BED OF EPOXY, IN CONCRETE ABOVE SLEEVE.

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PÉRMITTED.

NOTE: FULL IRRIGATION DRAWINGS WILL BE SSUED AS AN ASI

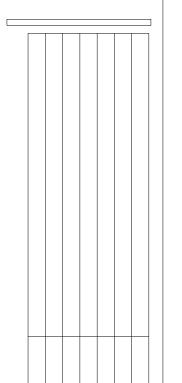


TEXAS L.I.C. #658 100 N. LOCUST ST., SUITE 3 DENTON, TEXAS 76201

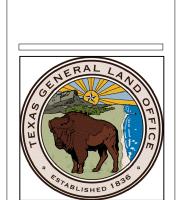
PHONE: 940.243.2364 FAX: 940.382.2475 james@jamespoleirrigation.com

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US









ALDWELL COUNTY VACUATION SHELT

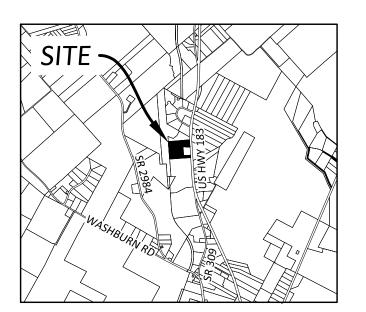
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PM: JAP DR: MAM

PROJECT: M22-04-P001

SHEET:

L2.10 IRRIGATION DETAILS



VICINITY MAP SCALE: 1"=5,000'

NOTE:

PROPERTY BOUNDARIES/COORDINATES ARE APPROXIMATE AND ARE NOT FOR PROPERTY OWNERSHIP TRANSFER, PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.

INFORMATION SHOWN IS IN THE STATE PLANE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204)

DEVELOPMENT JURISDICTION - CITY OF LULING, TEXAS TRACT IS INSIDE CITY LIMITS AND JURISDICTIONAL AUTHORITY ASSUMES INTERLOCAL AGREEMENT WITH CALDWELL COUNTY

ZONING FOR PROPOSED TRACT OF LAND - PUBLIC AND INSTITUTIONAL DISTRICT (P&I)

ALLOWED LAND USE - ANY MUNICIPAL, COUNTY, STATE OR FEDERAL FACILITY (SEE CODE FOR OTHER USES) ALLOWABLE HEIGHT, YARD, LOT, AND PARKING **REGULATIONS - TO BE DETERMINED BY PLANNING AND** ZONING COMMISSION AND RECOMMENDED TO CITY

COUNCIL ON A CASE BY CASE BASIS UTILITY SERVICE WATER - CITY OF LULING WASTEWATER - CITY OF LULING ELECTRIC SERVICE - CITY OF LULING THROUGH WHOLESALE PURCHASE FROM LCRA

TRASH SERVICE - CITY OF LULING WEEKLY PICKUP

MEET TEXAS WATER CODE 11.086 REQUIREMENTS TO ATTENUATE ANY INCREASE IN STORM FLOWS SO AS NOT TO ADVERSELY AFFECT OTHER PROPERTIES OR STRUCTURES. FEMA ZONE CLASSIFICATION - ZONE X (AREA OUTSIDE OF 500-YEAR FLOODPLAIN)

JTILITY NOTES:

. WATER DEMAND FLOW RATES

- ANTICIPATED STATIC PRESSURE ESTIMATED 55 PSI (50-60 PSI) ELEVATED STORAGE TANK (E.S.T.) HEIGHT = 128.5 NATURAL GROUND ELEVATION AT E.S.T. = 483.5'
- WASTEWATER DEMAND FLOW RATES LIFT STATION WET WELL PUMPS WILL BE REQUIRED TO MANAGE DESIGN FLOW AND ESTIMATED TOTAL

FINISH FLOOR ELEVATION = 477.5'

- DYNAMIC HEAD = 40 FT ESTIMATED DESIGN FLOW FOR FACILITY = 110 GPM 931 LF OF 4" PVC C-900 FORCE MAIN
- DIFFERENTIAL ELEVATION = 22'

UTILITY LEGEND

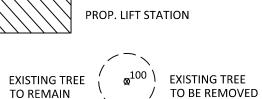
PROPERTY LINE EXISTING EASEMENT LINE EXISTING PAVEMENT - - W - - - - W - - - EXISTING WATER LINE PROPOSED WATER LINE PROP. WASTEWATER LIN FM — PROPOSED FORCE MAIN PROPOSED STORM DRAIN

EXISTING WATER VALVE W EXISTING WATER METER EXISTING FIRE HYDRANT

PROPOSED + PROPOSED

INSTALL 4 FT. DIA. DROP MH FL (OUT) = 477.41' (8" SDR-26)

RIM= 482.07



PROPOSED

MANHOLE

WATER VALVE

FIRE HYDRANT

| | UTII | LITY DATA SOURCES | | | | | |
|---|--------------|---|--|--|--|--|--|
| Utility | Utility Type | Source SCDSI Sewer Improvements As-built "Texas Capital Fund, Contract #726172, June 2007" (rec. 06-12-2008, As-builts provided by City of Luling, 02-11-2022); Shts 33-36 | | | | | |
| 8" D3034 SDR-26 WW | Wastewater | | | | | | |
| 3" PVC Forcemain | Wastewater | SCDSI Sewer Improvements As-built "Texas Capital Fund, Contract #726172, June 2007" (rec. 06-12-2008, As-builts provided by City of Luling, 02-11-2022); Shts 24-32 | | | | | |
| 8" D3034 SDR-26 FM (Gravity) | Wastewater | SCDSI Sewer Improvements As-built "Texas Capital Fund, Contract #726172, June 2007" (rec. 06-12-2008, As-builts provided by City of Luling, 02-11-2022); Shts 23-23 | | | | | |
| 12" C-900 WT Main | Water | Industrial Park 12-in Water Main As-Built "EDA PROJECT #08-01-04150" (submitted 05-21-2008, As-builts provided by City of Luling, 09-12-2022); Shts 25-32 | | | | | |
| Overhead Electrical | Electrical | D&A field survey, December 2022 | | | | | |
| 3'X2' Conc Box Culvert | Storm Drain | D&A field survey, December 2022 | | | | | |
| 30" RCP Culvert | Storm Drain | D&A field survey, December 2022 | | | | | |
| 15" CMP Culvert | Storm Drain | D&A field survey, December 2022 | | | | | |
| CITGO 8" Natural Gas Pipe (not in use) | Gas | D&A field survey, December 2022 - assembled from surface points labeled "SUG1"; confirmed ownership in email from Michael R Johnson @ CASA Pipeline | | | | | |
| West Texas 3" Poly Gas Line | Gas | Linework obtained from Google Earth KMZ file sent by Dillon Hense West Texas Gas, July 27, 2023 | | | | | |
| West Texas 4" Poly Gas Line | Gas | Linework obtained from Google Earth KMZ file sent by Dillon Hense West Texas Gas, July 27, 2024 | | | | | |
| Fiber Optic Line | Fiber | D&A field survey, December 2022 | | | | | |

PRELIMINARY, THIS SURVEY SHALL NOT BE RECORDED FOR ANY PURPOSES AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.

EASEMENTS ARE PLACED APPROXIMATELY AND SHOULD NOT BE USED OR VIEWED OR RELIED UPON AS FINAL LOCATIONS.

TITLE COMMITMENT NOTES: COMMITMENT FOR TITLE INSURANCE PREPARED BY FIRST AMERICAN TITLE COMPANY INSURANCE COMPANY, GF. NO. 23-0670-L, EFFECTIVE DATE OF MAY 06, 2023, AND ISSUED ON JUNE 06, 2023.

THE SURVEYOR HAS RELIED SOLELY UPON SAID TITLE COMMITMENT FOR THE DEPICTION OF EASEMENTS, RESTRICTIONS AND OTHER MATTERS AFFECTING THIS PROPERTY. NO ADDITIONAL RESEARCH WAS PERFORMED FOR THE PURPOSE OF THIS SURVEY. ITEMS LISTED ARE WORDED ACCORDING TO SAID TITLE COMMITMENT, FOLLOWED BY SURVEYORS NOTES SHOWN IN BRACKETS [].

EASEMENT LOCATIONS SHOWN HEREIN ARE APPROXIMATE AND SHOULD NOT BE USED OR VIEWED OR RELIED UPON AS EXACT EASEMENT LOCATION.

E. EASEMENT GRANTED TO SHELL PIPE LINE COPORATION, DATED FEBRUARY 21, 1929, RECORDED IN VOLUME 139, PAGE 283, OF THE DEED RECORDS OF COUNTY, TEXAS. [BLANKET EASEMENT, DOES NOT AFFECT]

F. EASEMENT GRANTED TO BOBROSE OIL & REFINERIES, INC., DATED MAY 11, 1932, RECORDED IN VOLUME 157, PAGE 181, OF THE DEED RECORDS OF COUNTY, TEXAS.

G. EASEMENT GRANTED TO SINCLAIR REFINING COMPANY, DATED APRIL 24, 1946, RECORDED IN VOLUME 216, PAGE 343, OF THE DEED RECORDS OF COUNTY, TEXAS. [BLANKET EASEMENT, DOES NOT AFFECT]

H. EASEMENT GRANTED TO SINCLAIR REFINING COMPANY, DATED MAY 1, 1946, RECORDED IN VOLUME 218, PAGE 29, OF THE DEED RECORDS OF COUNTY, TEXAS.

EASEMENT GRANTED TO SINCLAIR REFINING COMPANY, DATED MAY 3, 1946, RECORDED IN VOLUME 218, PAGE 78, OF THE DEED RECORDS OF COUNTY, TEXAS.

[BLANKET EASEMENT, DOES NOT AFFECT] I. EASEMENT GRANTED TO HUMBLE PIPE LINE COMPANY, DATED JANUARY 5, 1962, RECORDED IN VOLUME 291, PAGE 160, OF THE DEED RECORDS OF COUNTY, TEXAS.

[BLANKET EASEMENT, MAY AFFECT] K. EASEMENT GRANTED TO PHILLIPS PETROLEUM COMPANY, DATED APRIL 8, 1976, RECORDED IN VOLUME 375, PAGE 685, OF THE DEED RECORDS OF COUNTY, TEXAS. [DOES NOT AFFECT, AS SHOWN]

EASEMENT GRANTED TO PHILLIPS PETROLEUM COMPANY, DATED JANUARY 17, 1983, RECORDED IN VOLUME 454, PAGE 533, OF THE DEED RECORDS OF COUNTY, TEXAS.

[DOES NOT AFFECT, AS SHOWN] M. AFFIDAVIT TO THE PUBLIC REGARDING SOLID WASTE DISPOSAL SITE, EXECUTED BY THE CITY OF LULING, DATED NOVEMBER 17, 1986 AND RECORDED IN VOLUME 512, PAGE 403, OF THE DEED RECORDS OF COUNTY, TEXAS. [DOES

N. EASEMENT GRANTED TO CENTRAL POWER AND LIGHT COMPANY, DATED DECEMBER 26, 1990, RECORDED IN VOLUME 57, PAGE 598, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. [BLANKET EASEMENT, AFFECTS]

O. EASEMENT GRANTED TO CENTRAL POWER AND LIGHT COMPANY, DATED DECEMBER 26, 1990, RECORDED IN P. AFFIDAVIT TO THE PUBLIC REGARDING SOLID WASTE DISPOSAL SITE, EXECUTED BY THE CITY OF LULING, DATED

AUGUST 27, 1993 AND RECORDED IN VOLUME 97, PAGE 204, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. Q. EASEMENT GRANTED TO WILLIAMS COMMUNICATIONS, INC., DATED JANUARY 27, 2000, RECORDED IN VOLUME

PAGE 906, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS.

231, PAGE 156, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. [AFFECTS, AS SHOWN] R. EASEMENT GRANTED TO GUADALUPE-BLANCO RIVER AUTHORITY. DATED MARCH 30, 2004. RECORDED IN VOLUME 375, PAGE 541, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS AND RE-RECORDED IN VOLUME 378,

S. EASEMENT GRANTED TO GUADALUPE-BLANCO RIVER AUTHORITY, DATED APRIL 12, 2004, RECORDED IN

VOLUME 382, PAGE 429, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. [AFFECTS, AS SHOWN] T. TERMS, CONDITIONS, AND STIPULATIONS IN THAT CERTAIN ORDINANCE NO 2007-0 #13, AS RECORDED IN

VOLUME 512, PAGE 787, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. [NON-SURVEY MATTER] U. EASEMENT GRANTED TO AEP TEXAS CENTRAL COMPANY, DATED FEBRUARY 18, 2016, RECORDED IN DOCUMENT NO. 2016-000893, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS.

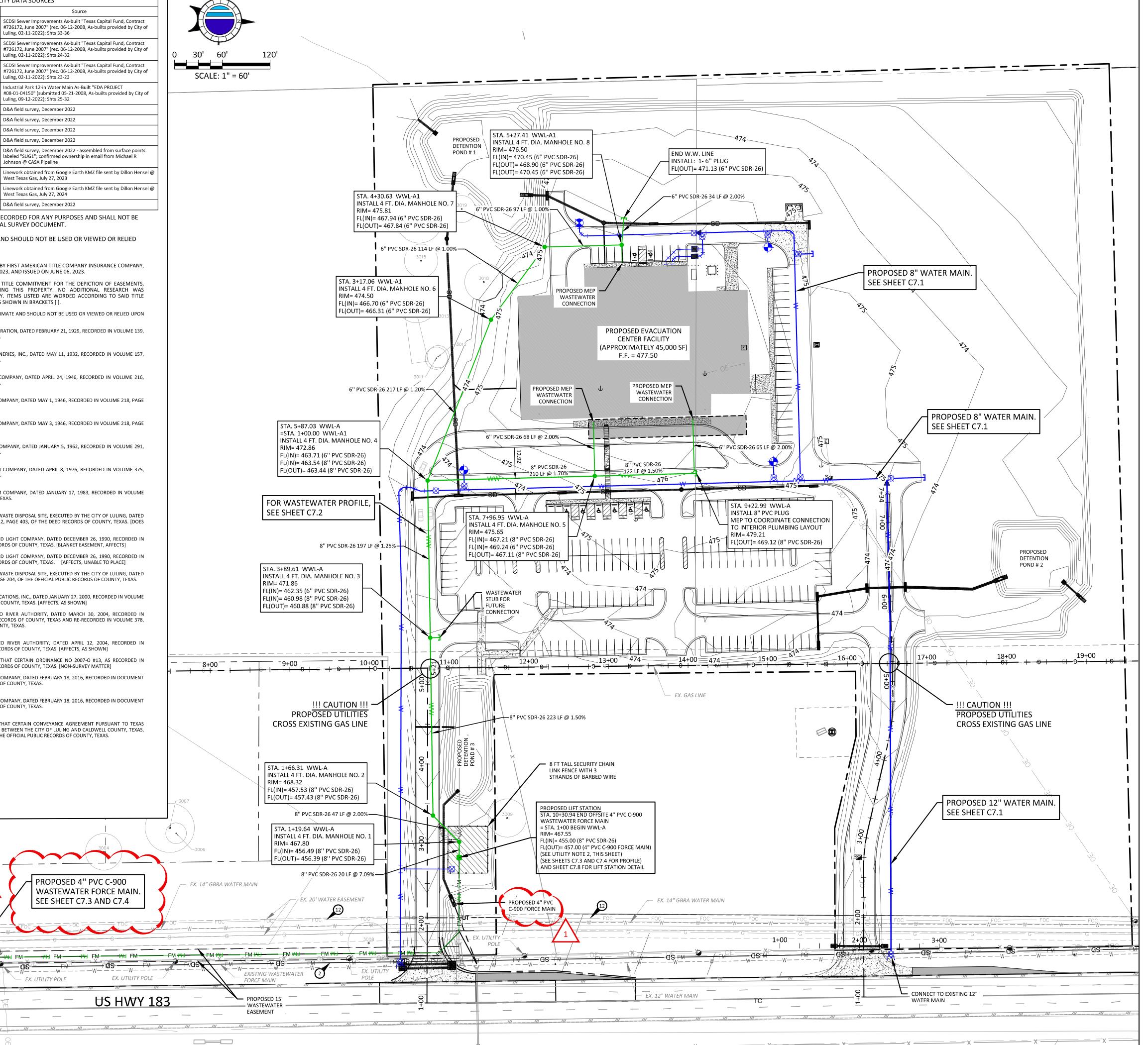
[BLANKET EASEMENT, DOES NOT AFFECT, AS SHOWN] V. EASEMENT GRANTED TO AEP TEXAS CENTRAL COMPANY, DATED FEBRUARY 18, 2016, RECORDED IN DOCUMENT NO. 2016-002152, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS.

[BLANKET EASEMENT, DOES NOT AFFECT, AS SHOWN] W. TERMS, CONDITIONS, AND STIPULATIONS IN THAT CERTAIN CONVEYANCE AGREEMENT PURSUANT TO TEXAS LOCAL GOVERNMENT CODE SEC. 272.001(1), BY AND BETWEEN THE CITY OF LULING AND CALDWELL COUNTY, TEXAS, AS RECORDED IN DOCUMENT NO. 2023-000749, OF THE OFFICIAL PUBLIC RECORDS OF COUNTY, TEXAS. [NON-SURVEY MATTER]

PROPOSED 4" PVC C-900

SEE SHEET C7.3 AND C7.4

NASTEWATER FORCE MAIN



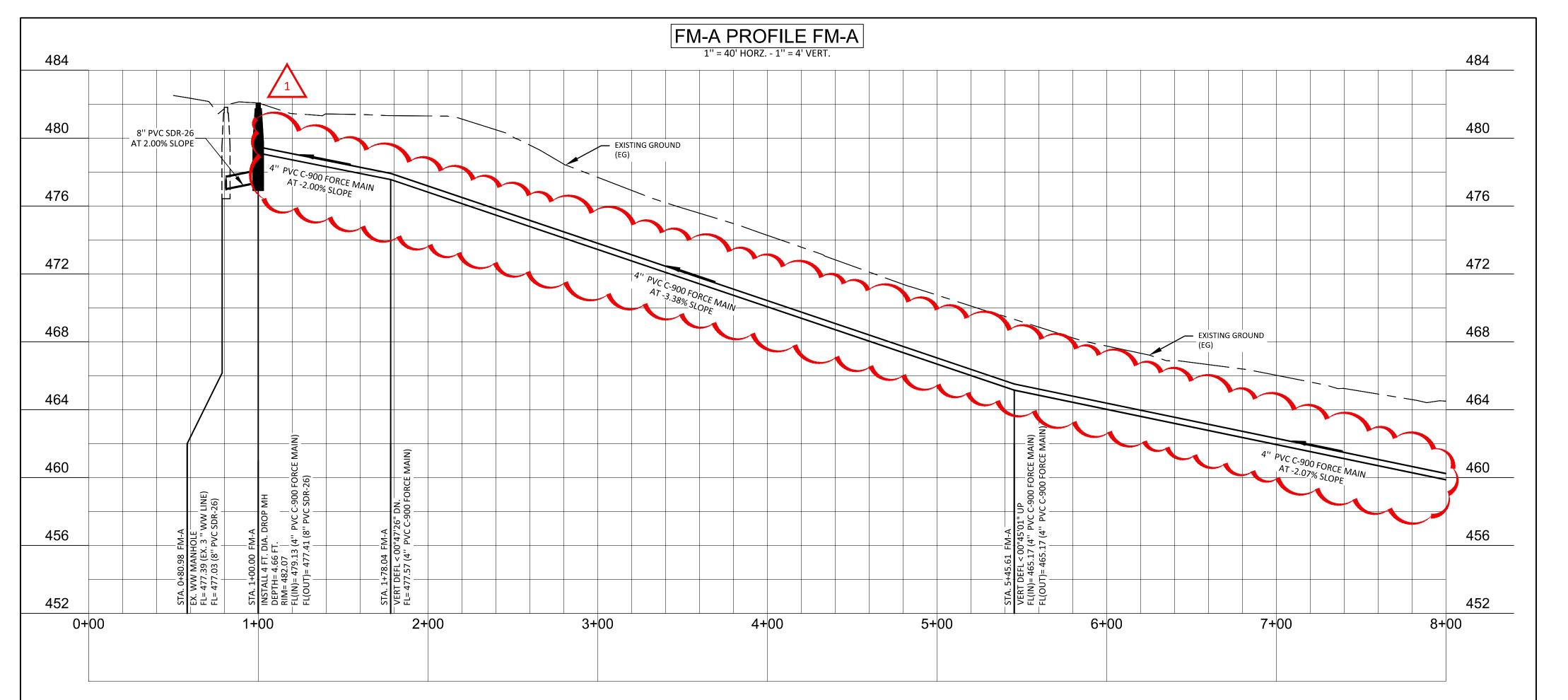


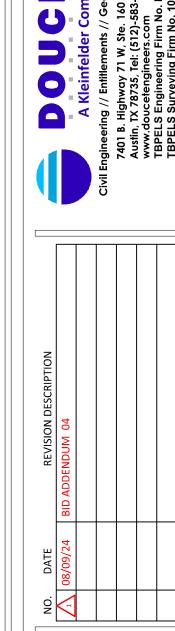
DWELL COUNTY CUATION SHELT

DR: GP/OF

PROJECT: (PW) 1911-004

SHEET: C7.0 **OVERALL** UTILITY PLAN





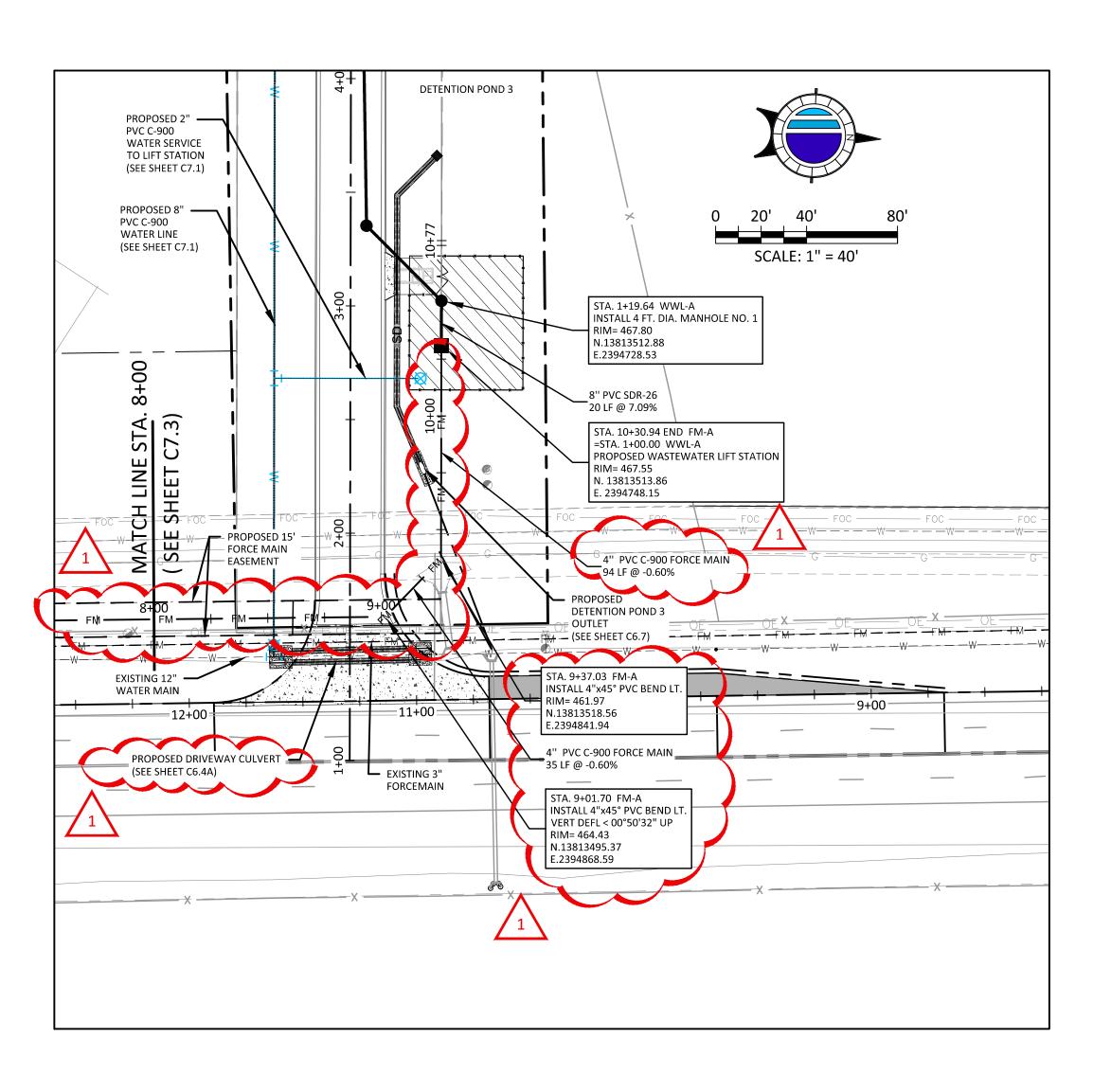


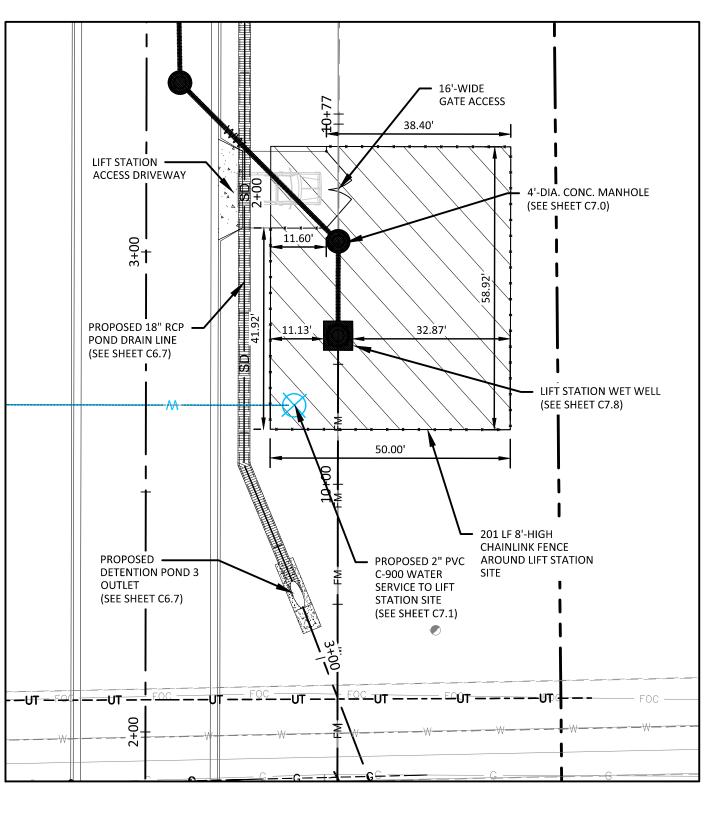
CALDWELL COUNTY EVACUATION SHELTER

PM: TC DR: GP/OF

PROJECT: (PW) 1911-004

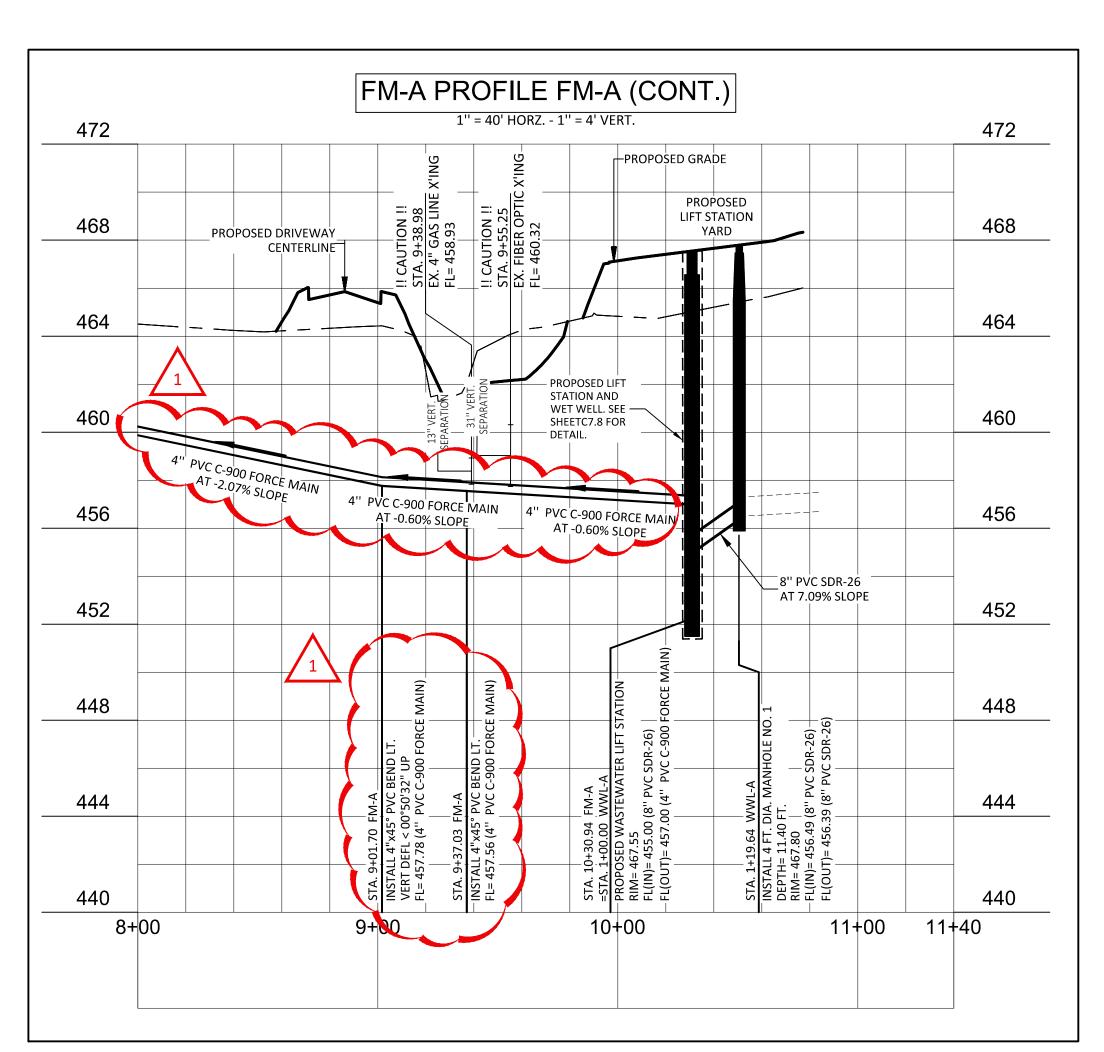
SHEET: C7.3
FORCEMAN PLAN &
PROFILE STA 1+00 TO
8+00





DETAIL "A"

SCALE: 1" = 20'



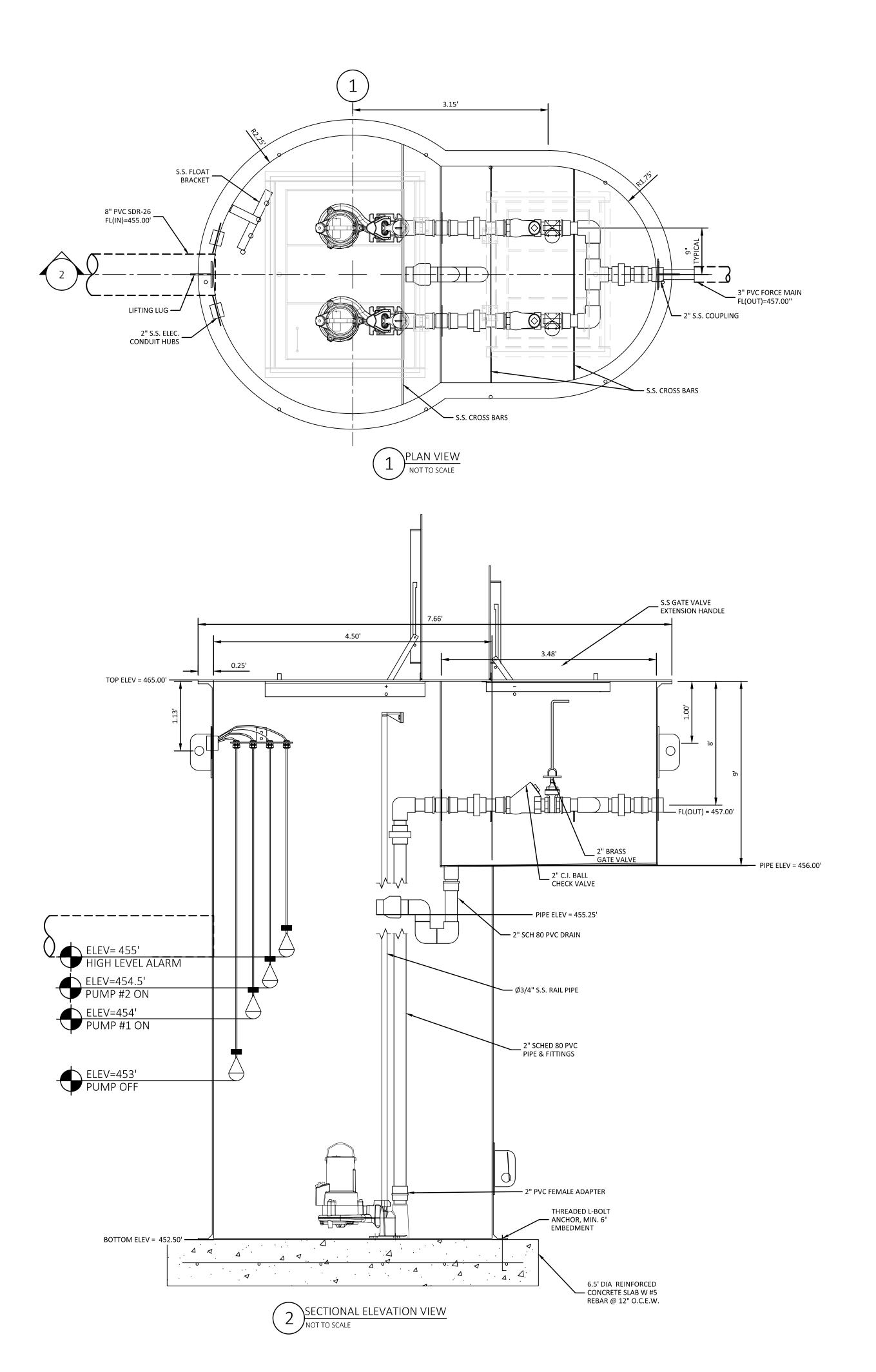
FORCEMAN PLAN & PROFILE STA 8+00 TO 10+31



CALDWELL COUNTY
EVACUATION SHELTER

PM: TC DR: GP/OF PROJECT: (PW) 1911-004

C7.4
FORCEMAN PLAN &
PROFILE STA 8+00
TO 10+31



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY LIFT STATION AND FORCE MAIN GENERAL CONSTRUCTION NOTES

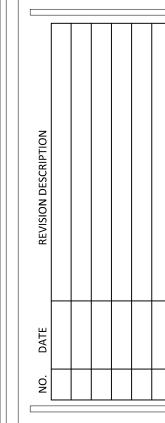
- 1. THIS LIFT STATION AND/OR FORCE MAIN MUST BE CONSTRUCTED IN ACCORDANCE WITH 30 TEXAS ADMINISTRATIVE CODE (TAC) §213.5(C), THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY EDWARDS AQUIFER RULES, AND ANY LOCAL GOVERNMENT STANDARD SPECIFICATIONS.
- 2. ANY MODIFICATION TO THE ACTIVITIES DESCRIBED IN THE REFERENCED LIFT STATION/FORCE MAIN (LSFM) SYSTEM APPLICATION FOLLOWING THE DATE OF APPROVAL MAY REQUIRE THE SUBMITTAL OF A LSFM SYSTEM APPLICATION TO MODIFY THIS APPROVAL, INCLUDING THE PAYMENT OF APPROPRIATE FEES AND ALL INFORMATION NECESSARY FOR ITS REVIEW AND APPROVAL.
- 3. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE PRESIDING TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED
- ACTIVITIES. THIS NOTICE MUST INCLUDE: THE NAME OF THE APPROVED PROJECT;
- THE ACTIVITY START DATE; AND
- THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
- 4. UPON COMPLETION OF ANY LIFT STATION EXCAVATION, A GEOLOGIST MUST CERTIFY THAT THE EXCAVATION HAS BEEN INSPECTED FOR THE PRESENCE OF SENSITIVE FEATURES. THE CERTIFICATION MUST BE SIGNED, SEALED, AND DATED BY THE GEOLOGIST PREPARING THE CERTIFICATION. CERTIFICATION THAT THE EXCAVATION
- HAS BEEN INSPECTED MUST BE SUBMITTED TO THE APPROPRIATE REGIONAL OFFICE. • IF SENSITIVE FEATURE(S) ARE IDENTIFIED, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY AND MAY NOT PROCEED UNTIL THE EXECUTIVE DIRECTOR HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY
- ADVERSE IMPACTS TO WATER QUALITY FROM THE LIFT STATION. CONSTRUCTION MAY CONTINUE IF THE GEOLOGIST CERTIFIES THAT NO SENSITIVE FEATURE OR FEATURES WERE PRESENT.
- 4. IF ANY SENSITIVE FEATURES ARE DISCOVERED DURING THE WASTEWATER LINE TRENCHING ACTIVITIES, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPLICANT MUST IMMEDIATELY NOTIFY THE APPROPRIATE REGIONAL OFFICE OF THE TCEQ OF THE FEATURE DISCOVERY. A GEOLOGIST'S ASSESSMENT OF THE LOCATION AND EXTENT OF THE FEATURE DISCOVERED MUST BE REPORTED TO THAT REGIONAL OFFICE IN WRITING WITHIN TWO WORKING DAYS. THE APPLICANT MUST SUBMIT A PLAN FOR ENSURING THE STRUCTURAL INTEGRITY OF THE SEWER LINE OR FOR MODIFYING THE PROPOSED COLLECTION SYSTEM ALIGNMENT AROUND THE FEATURE. THE REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MAY NOT PROCEED UNTIL THE EXECUTIVE DIRECTOR HAS REVIEWED AND APPROVED THE METHODS PROPOSED TO PROTECT THE SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM ANY POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY WHILE MAINTAINING THE STRUCTURAL INTEGRITY OF THE LINE.
- 5. ALL FORCE MAIN LINES MUST BE TESTED IN ACCORDANCE WITH 30 TAC §217.68. TESTING METHOD WILL BE:
- A PRESSURE TEST MUST USE 50 POUNDS PER SQUARE INCH ABOVE THE NORMAL OPERATING PRESSURE OF A FORCE MAIN. A TEMPORARY VALVE FOR PRESSURE TESTING MAY BE INSTALLED NEAR THE
- DISCHARGE POINT OF A FORCE MAIN AND REMOVED AFTER A TEST IS SUCCESSFULLY COMPLETED. • A PUMP ISOLATION VALVE MAY BE USED AS AN OPPOSITE TERMINATION POINT.
- A TEST MUST INVOLVE FILLING A FORCE MAIN WITH WATER. A PIPE MUST HOLD THE DESIGNATED TEST PRESSURE FOR A MINIMUM OF 4.0
- THE LEAKAGE RATE MUST NOT EXCEED 10.0 GALLONS PER INCH DIAMETER PER

MILE OF PIPE PER DAY.

Austin Regional Office 12100 Park 35 Circle, Building A Austin, Texas 78753-1808 Phone (512) 339-2929 Fax (512) 339-3795

San Antonio Regional Office 14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (210) 545-4329







PM: TC DR: GP/OF PROJECT: (PW) 1911-004

SHEET: C7.8 LIFT STATION **DETAIL SHEET**

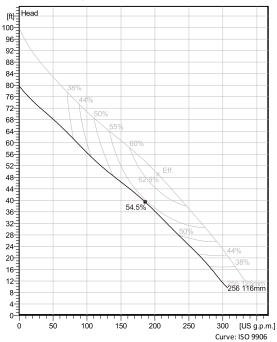
Patented self cleaning semi-open channel impeller, ideal for pumping in waste water applications. Modular based design with high adaptation grade.



Technical specification



Curves according to: Water, pure Water, pure [100%], 39.2 °F, 62.42 lb/ft³, 1.6891E-5 ft²/s



Nominal (mean) data shown. Under- and over-performance from this data should be expected due to standard manufacturing tolerances. Please consult your local Flygt representative for performance guarantees.

Configuration

Motor number N3085.060 15-09-2AL-W

Impeller diameter

116 mm

Installation type

P - Semi permanent, Wet

Discharge diameter 3 inch

Pump information

Impeller diameter

116 mm

Discharge diameter 3 inch

Inlet diameter 80 mm

Maximum operating speed

3445 rpm

Number of blades

Material

Impeller Hard-Iron ™

Stator housing material Grey cast iron

Max. fluid temperature

Caldwell County Evacuation Center LS Project Created by Barrie Hamm

Block 0 8/21/2024 8/21/2024 Last update Created on

Program version 74.0 - 7/1/2024 (Build 136) Data version 8/9/2024 14:06 A8P8 User group(s)

Technical specification

Motor - General

a **xylem** brand

Motor number N3085.060 15-09-2AL-W

ATEX approved

Frequency 60 Hz

Version code 060

Phases 3~

Number of poles

Rated voltage 460 V

Rated speed 3445 rpm

Rated current 4.9 A

Insulation class

Rated power 4 hp

Stator variant

Type of Duty

Motor - Technical

Power factor - 1/1 Load

Power factor - 3/4 Load

0.90

Power factor - 1/2 Load

0.84

Motor efficiency - 1/1 Load

Motor efficiency - 3/4 Load

84.0 %

Motor efficiency - 1/2 Load

83.8 %

Total moment of inertia

0.152 lb ft²

Starting current, direct starting

31 A

Starting current, star-delta

10.3 A

Starts per hour max.

Project Caldwell County Evacuation Center LS Created by Barrie Hamm 0

8/21/2024 Last update 8/21/2024 Block Created on

User group(s)

Program version Data version 74.0 - 7/1/2024 (Build 136) 8/9/2024 14:06 A8P8

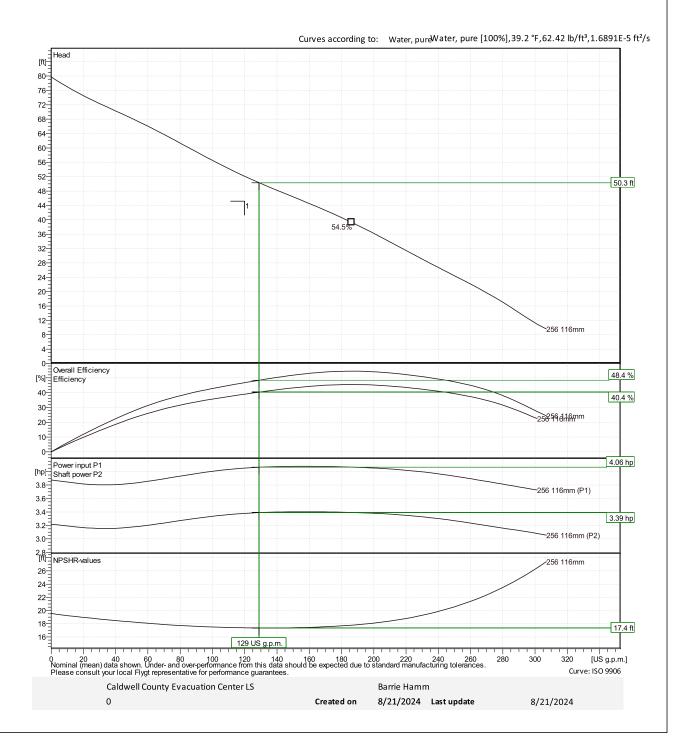
Performance curve

Duty point

 Flow
 Head

 129 US g.p.m.
 50.3 ft

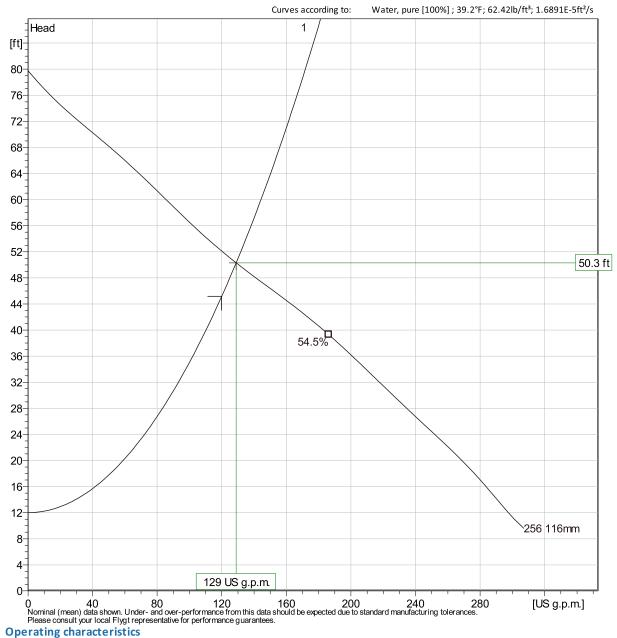




Duty Analysis



a xylem brand



| Pumps / Systems | Flow | Head | Shaft power | Flow | Head | Shaft power | Hydr.eff. | Spec. Energy | NPSHre | |
|--------------------|-----------|------|-------------|-----------|------|-------------|-----------|--------------|--------|---|
| | US g.p.m. | ft | hp | US g.p.m. | ft | hp | | kWh/US N | 1G ft | |
| 1 | 129 | 50.3 | 3.39 | 129 | 50.3 | 3.39 | 48.4 % | 392 | 17.4 | Ī |

 Project
 Created by
 Barrie Hamm

 Block
 Caldwell County Evacuation Center LS
 Created on R/21/2024
 8/21/2024

**Barrie Hamm

Barrie Hamm

**Created on R/21/2024

**Last update R/21/2024*

Barrie Hamm

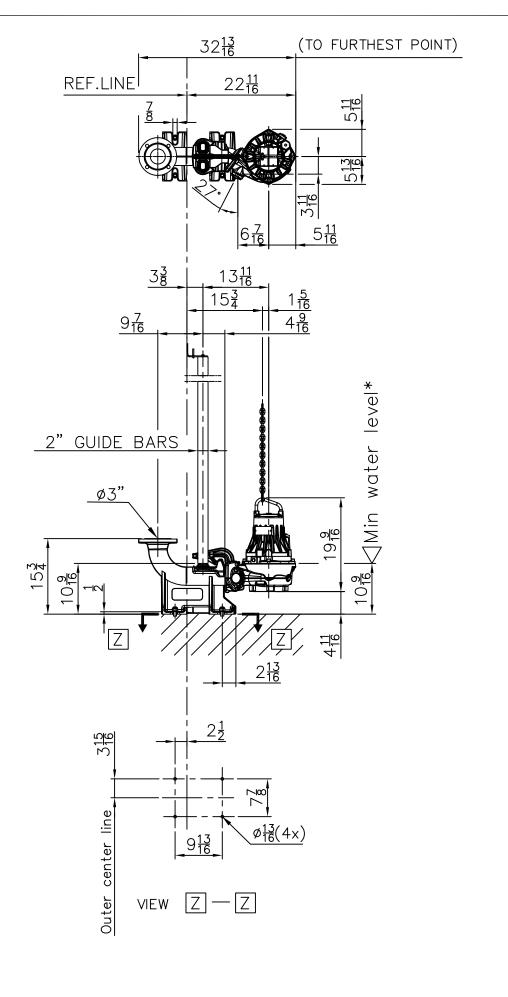
**Created on R/21/2024*

**Last update R/21/2024*

**Last update R/21/2024*

**Created on R/21/2024*

**Creat



* Only applicable for intermittent duty. Consult the IOM for more info.

| Weight (lbs) | | | | | | | | |
|--------------|-------|--|--|--|--|--|--|--|
| Pump | Disch | | | | | | | |
| 150 | 80 | | | | | | | |

| DATE OF THE PROPERTY OF THE PR | NP | 3085 | SH | Discharge outlet Pump outlet | ø3" Scale 1: 2 | 0 230 | 0622 |
|--|-----------|---------|--------|---------------------------------------|----------------|----------------|---------------|
| | 060,070,1 | 60,190, | 760,77 | Pump inlet Suction inlet | Drawing 733 | number 2300 | Revision 6 |

BID OPENING Sign-in

Project Name: Caldwell County Emergency Shelter

Date & Time: August 23rd, 2024 at 1:00 PM

Location: 110 S. Main Lockhart, TX 78644

| John Cyrier | County | 512-585-1359 | JohnCyrier@gmail.com |
|----------------------------------|---------------------------------|---|--|
| Name | Representing | Phone | Email |
| Jessica Daidone, Project Manager | LCMS, Inc. | (512)452-0432 | Jessica@lcmsinc.com |
| Carolyn Caro, Purchasing Agent | Caldwell County | (512)359-4685 | carolyn.caro@co.caldwell.tx.us |
| David Clark, P.E. | Doucet/Kleinfelder Company | (512)583-7605 | <u>Dclark@kleinfelder.com</u> |
| Wick Wickersham | Jordan Foster Construction | 210-602-6904 | DWicker Sour Levis dan forter construction com |
| Chris Martin | | 512-213-5391 | Cho:smart: 147 agmail.com |
| TOM BAKER | JFC | 210-608-2085 | TBAKE JORDON FOSTEL CONSTRUCTION, CO |
| Cotton Behm | Fordan Foster Construction | 210-383-5472 | cbcehm @vordunfoster construction.com |
| Colton Wood | Century Construction Group, Inc | 228-238-1541 | CWood @ Centry Cy. com |
| Mark Maryo | City of Luting | 83.85-2481 | City musikg or & city of lating . NET |
| Bellinda Santolicito | Balfair Beatty | 512-702-6068 | boardolucito a balfar beaty us ans |
| Michael Styre | Trimbuilt | 512 797 1500 | nstyre @ frimbuilt. com |
| Larry Packett | Trimbuilt | 512 225 4404 | - Lpyckett@frubrit.com |
| Hoppy Haden | Caldwell County | 512-213-8983 | hoppy. hader@co.caldwell.tx.us |
| Tracy Bratton | Klein felder | I . | TBratton@ Kleinfelder.com |
| Benee Bean | Method | A CONTRACT OF THE PARTY OF THE | rbean@methodarchitecture.com |
| Oscar Flores | Kleinfelder | 210-469-3440 | OFlores@Kleinfelder.com |
| Luis Lemus | method | | Llemus @ methodarchitecture. Can |
| Kyle Goodyear | method | - | Kgoodyear@ methodarchilectur. cam |

Via TEAMS

Project Name: Date & Time: Location:

Caldwell County Emergency Shelter
August 23rd, 2024 at 1:00 PM
110 S. Main Lockhart, TX 78644

Bid Description: Emergency Shelter

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| | | | | | - | 70 | 96. | 18,952,099.8 | 17,600,000.00 | 7 | | | | |
| | | | | | 7 | 2 | 8 | 8 | ŏ | | | | | |