Date: May 7, 2021

ADDENDUM NO. 1

PROJECT NO: 1110169
TITLE OF PROJECT: Visitor Center Repairs and HQ Restroom Replacement

FACILITY LOCATION: Monahans Sandhills State Park

NOTICE TO ALL BIDDERS:

This addendum shall be considered part of the Contract Documents and is issued to change, amplify, or delete from or otherwise explain the documents where provisions of this addendum differ from those of the original contract documents. This addendum shall have precedence over the original contract documents and shall govern.

Bidders are hereby notified that they shall incorporate this addendum in their bid, and it shall be construed that the Contractor's Bid shall reflect with full knowledge, all items, changes and modifications to the contract documents herein specified.

Bidders are advised to check for updates, addenda issuance, and bid opening date changes on the Electronic State Business Daily at:

http://www.txsmartbuy.com/esbd

Please see attached revisions to clarify Contract Documents, Specification, and Drawings.

1. CONTRACT DOCUMENTS:
   Notice To Bidders revised Construction Estimate amount.
   Revised Contractor’s Bid (Bid Schedule 2021_0414).

2. DRAWINGS (REISSUED SHEETS WITH MODIFICATIONS):
   Sheet C-03 (12 of 85) – Demolition Control Plan
   Sheet C-06 (15 of 85) – Dimensioning Plan
   Sheet C-07 (16 of 85) – Grading Plan
   Sheet C-09 (18 of 85) – Pavilion Alternate Grading & Dimensioning Plan
   Sheet A-01 (19 of 85) – Architectural Site Plans Overall
   Sheet A-02 (20 of 85) – Architectural Site Plan Visitors Center & Site Details
   Sheet A-04 (22 of 85) – Door/Room Finish Schedules, Door & Signs Types
3. QUESTIONS WITH ANSWERS:

Q: Will the exterior electrical that is surfaced mounted need to be addressed on how to bid? Please see attached photos.

A: Surface mounted conduit and J boxes that are currently painted the sand color is to be painted color to match surface to which is it attached or nearest surface (e.g. conduit run along underside of porch paint to match soffit/rafter color)

For exterior electrical outlets where the exterior enclosure has been painted sand, paint the enclosure to match surface to which is it attached. Mask off outlet.

For wall mounted light fixtures, mask off fixture.

For under soffit light fixtures at porch, remove light fixtures prior to painting and reinstall after painting complete.

This information will also be provided on appropriate sheets.

Q: The existing utility service pedestal to remain. Removing the 120/240V 3-phase, 200A service disconnect. To be replaced with a new Panel-DP. (please see the attached photos). There would not be a main to feed existing disconnect “A” and water well disconnect from panel-DP. The way the wires are tapped inside the pedestal from the load side of service disconnect “MS”. Would the 200A meter service be enough for panels DP, AC, A, and R with existing and future loads when added?

A: Existing Panel A will be feed from New Panel-DP loads will be revised. Refer to Addendum #1 sheet E-08/ detail #1 and #2.
Q: Panel-A has an existing 2-pole 60A breaker feeding existing Panel-B. The new Panel-B requires a 100A breaker. We recommend that the 2-pole 60A breaker be upgraded to a 2-pole 100A.

A: This will need to be changed to a 100amp, single phase 2-pole breaker. Refer to Addendum #1 sheet E-09/ Panel schedule “A”.

Q: To get power to the GC’s job trailer in the east parking lot. Will there be a problem to place utility poles on each side of entry roadway? This is needed to cross power over from new Panel DP for temporary power.

A: Power poles will be acceptable per TPWD so long as they are removed at the close of the project and provide a minimum 14’ clearance for road traffic.

Q: In the existing electrical room, there is a communications pipe coming from underground (please see attached photos). Would this pipe need to be relocated to accommodate the new door or leave as is?

A: Demark well be called to be relocated and communication stub up will remain. Does not conflict with door. Refer to Addendum #1 sheet E-03.

Bidders shall acknowledge receipt of this addendum in the space provided on the Contractor’s Bid Schedule form located above the signature block. WARNING: BIDDER’S FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDA MAY RESULT IN REJECTION OF BID.

END OF ADDENDUM NUMBER 1

Sincerely,

Michael Polendo, CTCD, CTCM

MICHAEL POLENO, CTCD, CTCM
Contract Manager
Infrastructure Division
NOTICE TO BIDDERS

Bids will be received by the Contracting Branch, Infrastructure Division, Texas Parks and Wildlife Department (TPWD), 4200 Smith School Road, Austin, Texas 78744, until 2:00 PM on May 27, 2021. Bids will be received and recorded in the A-100 Conference Room, Infrastructure Division.

After receipt of bids, Bidders may request a copy of the “unofficial” bid tab through TPWD’s website at: https://tpwd.texas.gov/site/openrecords. The final bid tab will be made available after award of a contract.

TPWD is requesting sealed bids to perform all Work required for the following Project:

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Visitor Center Repairs and HQ Restroom Replacement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Location</td>
<td>Monahans Sandhills State Park</td>
</tr>
<tr>
<td>Project Number</td>
<td>1110169</td>
</tr>
<tr>
<td>Deadline for Receipt of Bids</td>
<td>2:00 PM (CT), May 27, 2021</td>
</tr>
<tr>
<td>Construction Estimate</td>
<td>$1,725,250.00 - $2,020,000.00</td>
</tr>
</tbody>
</table>

**General Scope of Work:** Furnish all labor, equipment, materials, and incidentals necessary for:

1. Comfort Station:
   A. Demolition of existing Comfort Station and site preparation.
   B. Construction of a new replacement masonry and concrete Comfort Station building with operable storefront.
   C. Also includes new grading, new retaining walls, new mechanical, electrical, and plumbing systems;
2. Renovations and alterations of an existing Visitors Center and associated site work. This includes:
   A. Interior demolition, including mold abatement.
   B. Complete demolition and replacement of storefront and window systems.
   C. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions.
   D. New mechanical, electrical, and plumbing systems.
3. Renovation of roofing, siding, and windows on the historic Section House.
   A. Includes Lead Paint Abatement.
4. New domestic water distribution piping serving the Visitors Center, Comfort Station, surrounding site, with tie into existing piping serving the Equestrian Area, the Residence, and Maintenance Complex.
5. New sanitary septic system serving the Visitors Center and Comfort Station.
6. Replacement of sidewalks and other flatwork, new ramps and sidewalks to provide accessible access, parking lot re-striping, and retaining wall at the Visitors Center/Comfort Station and surrounding site.

in accordance with the Invitation for Bids and contract documents.

**Project Schedule:** All work shall be completed within three hundred thirty (330) calendar days commencing on the date specified in the Notice to Proceed. This performance period includes completing the various aspects required to complete the Work, including submission of all Submittals, mobilization, procurement, installation, testing, inspection and delivery of documents described in the Uniform General Conditions, Article 12, 12.1.1.1.

**Pre-Bid On-Line Video Conference**

**Pre-Bid On-Line Video Conference:** A pre bid on-line video conference will be held on April 23, 2021 at 10:00 AM (CT). Although the pre-bid on-line video conference is not mandatory, Bidders are strongly encouraged to attend as important information regarding Bidding requirements and the Project will be discussed. Failure to give proper consideration to site conditions when preparing the bid will not constitute grounds for additional compensation.

The on-line video conference will be conducted using Microsoft® Teams. Bidders may use their browser to access the meeting or a Microsoft® Teams application.

**Important Note:** In order to receive the Teams™ calendar invitation to the pre bid on-line video conference, Bidders must pre-register. Following the on-line video conference, the PowerPoint™ presentation will be posted to TPWD’s website and the Electronic State Business Daily.

Register in advance using this link: [Registration](http://www.txsmartbuy.com/sp).

Prior to the on-line video conference, TPWD will send an email calendar invitation containing information about joining the on-line video conference to each requestor.

**Site Visit:** No formal pre-bid site visit is required. Please contact the TPWD Site Manager to schedule a visit.

For additional information regarding this solicitation you may contact Michael Polendo, CTCD, CTCM, Contract Manager, directly at 512-389-8728 or by email at michael.polendo@tpwd.texas.gov.

**Contact Information:** For technical information and information regarding administration of the contract, contact Contract Manager, Michael Polendo at 512-389-8728.

Solicitation Documents and all addenda may be obtained at the Comptroller’s website under *Electronic State Business Daily (ESBD)* at [http://www.txsmartbuy.com/sp](http://www.txsmartbuy.com/sp).
**Texas Parks and Wildlife Department**  
4200 Smith School Road  
Austin, Texas 78744

Having carefully examined the Invitation for Bids and Contract Documents. Project Number 1110169, Monahans Sandhills State Park, Monahans, Ward County, Texas for the Texas Parks and Wildlife Department, as well as the premises and conditions affecting this work, and all other contract documents, the undersigned proposes to furnish all labor, equipment and materials necessary to complete the work for the sum of:

**PROJECT BID SCHEDULE**

<table>
<thead>
<tr>
<th>BASE BID ITEMS</th>
<th>LUMP SUM PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BB1</strong></td>
<td><strong>Furnish all labor, equipment, materials, and incidentals necessary to construct:</strong></td>
</tr>
<tr>
<td></td>
<td><strong>1. Comfort Station:</strong></td>
</tr>
<tr>
<td></td>
<td>A. Demolition of existing Comfort Station and site preparation.</td>
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<td></td>
<td>A. Interior demolition, including mold abatement.</td>
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<td>C. Augmenting the exterior envelope, new interior partitions, doors, demountable partitions.</td>
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<td></td>
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</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>A. Includes Lead Paint Abatement.</td>
</tr>
<tr>
<td></td>
<td><strong>4. New domestic water distribution piping serving the Visitors Center, Comfort Station, surrounding site, with tie into existing piping serving the Equestrian Area, the Residence, and Maintenance Complex.</strong></td>
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</tbody>
</table>

in accordance with the Invitation for Bids and contract documents.

<table>
<thead>
<tr>
<th><strong>Total Lump Sum Base Bid Items BB1</strong></th>
<th><strong>$</strong></th>
</tr>
</thead>
</table>

*(Total Lump Sum Base Bid Items BB1 written in words)*
ADDITIVE ALTERNATE BID ITEM NO. 1

<table>
<thead>
<tr>
<th>LUMP SUM PRICE</th>
</tr>
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<tbody>
<tr>
<td>$</td>
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</tbody>
</table>

A1 Furnish all labor, equipment, materials, and incidentals necessary to construct a Plaza pavilion North of the Visitors Center, including its corresponding flatwork and benches as shown on Drawing Sheets A-03, A-30, C-09, S-04, S-08, and S-09 in accordance with the Bid and Contract Documents.

(Total of ADDITIVE ALTERNATE BID ITEM NO. 1 written in words)

OWNER’S CONTINGENCY ALLOWANCE

Owner has established an Allowance in the amount of $55,000.00 which represents Owner’s cost estimate for Owner required Furniture, Fixtures, and Equipment (FFE). After contract is awarded, and at the sole option of the Owner, the Contractor may be instructed to purchase Furniture, Fixtures, and Equipment (FFE) to be selected by Owner. Contract price shall be adjusted by Change Order for the actual documented invoice cost of the furniture plus overhead and profit as allowed for in the contract documents.

SUMMATION OF ALL BID ITEMS

<table>
<thead>
<tr>
<th>Bid Item Description</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Base Bid Item 1</td>
<td>$</td>
</tr>
<tr>
<td>Additive Alternate Bid Item 1</td>
<td>$</td>
</tr>
<tr>
<td>Owner’s Contingency Allowance</td>
<td>$55,000.00</td>
</tr>
<tr>
<td><strong>Total Bid</strong></td>
<td><strong>$</strong></td>
</tr>
</tbody>
</table>

Total Bid written in words

EACH BID ITEM INCLUDES ANY AND ALL APPURTENANT WORK AND ITEMS NECESSARY FOR FULLY FUNCTIONAL AND OPERATIONAL SYSTEMS, COMPLETE AND IN PLACE, IN ACCORDANCE WITH THE INVITATION FOR BIDS AND CONTRACT DOCUMENTS.

BASE BID, ADDITIVE ALTERNATE BID ITEM No. 1, and OWNER’S CONTINGENCY ALLOWANCE will be evaluated and determination of the low bidder will be based on responsiveness and responsibility of the bidder and on the BASE BID, ADDITIVE ALTERNATE BID ITEM No. 1, and OWNER’S CONTINGENCY ALLOWANCE. HOWEVER, THE OWNER RESERVES THE RIGHT TO AWARD TO THE LOW BIDDER ANY COMBINATION OF BID ITEMS OR TO REJECT ALL BIDS.
BIDDER UNDERSTANDS AND ACKNOWLEDGES THAT BIDDER MUST MEET THE MINIMUM QUALIFICATION AND/OR EXPERIENCE REQUIREMENTS SET FORTH IN PARAGRAPH 12 OF INSTRUCTIONS TO BIDDERS TO BE ELIGIBLE FOR AWARD OF THIS CONTRACT. BIDDER, BY SIGNING THIS BID, AFFIRMS THAT BIDDER MEETS SUCH MINIMUM REQUIREMENTS. FAILURE TO MEET ANY OF THE MINIMUM QUALIFICATIONS SHALL RESULT IN REJECTION OF THE BID.

The undersigned further agrees that, if awarded the Contract, the work will be completed within three hundred thirty (330) calendar days commencing on the date specified in the Notice to Proceed. This performance period includes completing the various aspects required to complete the Work, including submittal of all required Submittals, mobilization, procurement, installation, testing, inspection and delivery of documents described in the Uniform General Conditions, Article 12, 12.1.1.1.

The undersigned agrees that when written notice of bid acceptance is furnished by the Owner within sixty (60) calendar days after the bid opening date, the undersigned will, within the stipulated time, execute and deliver the contract and all required bonds, certificates of insurance, submittals and Form 1295 to the Owner. Failure to timely provide the insurance certificate, bonds, and submittals shall be grounds for disqualification of bid and forfeiture of bid security. In such circumstances, TPWD shall be authorized to proceed with award to the next lowest, responsive and responsible bidder.

If the above bid amount exceeds $25,000.00, the undersigned shall include herewith security in the form of a bid bond, certified check, or cashier's check for an amount not less than five percent (5%) of the total amount of the bid to be awarded by Owner, unless otherwise stipulated under Instructions to Bidders. To ensure adequate bid security, bidders should calculate bid security based on the total amount of all base bids plus all additive alternate bids (if any). The bid security will be returned to or forfeited by the undersigned in accordance with the Bid Security provision in the Instructions to Bidders. The undersigned further agrees that this bid security is the appropriate measure of liquidated damages which the Owner will sustain by the failure of the undersigned to execute and deliver said contract and required documents.

The undersigned agrees that this bid will not be withdrawn for a period of sixty (60) calendar days from the date set for the bid opening, and the undersigned further agrees that the bid security will be forfeited in the event this bid is withdrawn before expiration of said sixty (60) calendar days.

Respondent represents and warrants that if selected for award of a contract as a result of the Solicitation, respondent will submit to TPWD a Certificate of Interested Parties prior to contract execution in accordance with Section 2252.908 of the Texas Government Code.

Additional information can be found at: https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

Bidder represents and warrants that, in accordance with Section 2155.005 of the Texas Government Code, neither the bidder, nor the firm, corporation, partnership, or institution represented by the bidder, or anyone acting for such firm, corporation, or institution has (1) violated any provision of the Texas Free Enterprise and Antitrust Act of 1983, Chapter 15 of the Texas Business and Commerce Code, or the Federal antitrust laws, or (2) communicated
directly or indirectly the contents of this bid to any competitor or any other person engaged in the same line of business as the bidder.

Pursuant to Texas Government Code, Title 10, Subchapter A, §2155.004 (a), Bidder certifies that neither bidder nor any person or entity represented by bidder has received compensation from TPWD to participate in the preparation of the specifications or solicitation on which this bid or contract is based. Under §2155.004 (b) of the Texas Government Code, Bidder certifies that the individual or business entity named in this bid or contract is not ineligible to receive the specified contract and acknowledges that the contract may be terminated, and payment withheld if this certification is inaccurate.

Pursuant to Texas Government Code, Title 10, Subchapter A, §2155.004 (b), §2155.006 (c), and Subchapter B, §2261.053 (c), Bidder certifies that the individual or business entity named in this bid is not ineligible to receive the specified contract and acknowledges that this contract may be terminated and payment withheld if this certification is inaccurate.

By signature hereon, the bidder hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes owed the State of Texas under Chapter 171, Tax Code. Making a false statement as to corporate tax status is a material breach of contract.

Bidder certifies that the bidding entity and its principals are eligible to participate in this transaction and have not been subjected to suspension, debarment, or similar ineligibility determined by any federal, state or local governmental entity. Entities ineligible for federal procurement are listed at http://www.sam.gov.

Bidder certifies that it is not listed in the prohibited vendors list authorized by Executive Order No. 13224, “Blocking Property and Prohibiting Transactions with Persons Who Commit, Threaten to Commit, or Support Terrorism”, published by the United States Department of the Treasury, Office of Foreign Assets Control.

Under Section 2155.0061 of the Texas Government Code, the Respondent certifies that the individual or business entity named in this Response or contract is not ineligible to receive the specified contract and acknowledges that this contract may be terminated, and payment withheld if this certification is inaccurate.

Pursuant to Section 2155.003 of the Texas Government Code, bidder represents and warrants that it has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with the contract.

Bidder agrees that any payments due under this contract shall be applied towards any debt or delinquency that is owed to the State of Texas.

Bidder represents and warrants its compliance with the requirements of the Americans With Disabilities Act (ADA0 and its implementing regulations, as each may be amended.

Bidder agrees to comply with Texas Government Code, Title 10, Subtitle D, §2155.4441, relating to use of service contracts and the purchase of products and materials produced in the State of Texas.
Bidder certifies that if a Texas address is shown as the address of the Bidder on this bid, Bidder qualifies as a Texas Bidder as defined in Section 2155.444(c) of the Texas Government Code.

If Bidder is required to make a certification pursuant to Section 2271.001 of the Texas Government Code, Bidder certifies that Bidder does not boycott Israel and will not boycott Israel during the term of the contract resulting from this solicitation. If Bidder does not make that certification, Bidder must indicate that in its Bid and state why the certification is not required.

Section 2252.152 of the Texas Government Code prohibits TPWD from awarding a contract to any person who does business with Iran, Sudan, or a foreign terrorist organization as defined in Section 2252.151 of the Texas Government Code. Bidder certifies that it is not ineligible to receive the contract.

By signature hereon, the bidder acknowledges that Texas Government Code, Title 10, Subchapter F, §§ 2252.201-2252.205 requires that all iron or steel products produced through a manufacturing process used in this project must be produced in the United States. By signing this bid, Bidder certifies that its bid price represents full compensation for compliance with the requirements of Texas Government Code, Title 10, Subchapter F, §§ 2252.201-2252.205.

Pursuant to Section 2254.0031 of the Texas Government Code, which incorporates by reference Section 271.904(d) of the Texas Local Government Code, Bidder shall perform services (1) with professional skill and care ordinarily provided by competent engineers or architects practicing under the same or similar circumstances and professional license, and (2) as expeditiously as is prudent considering the ordinary professional skill and care of a competent engineer or architect.

By signing this bid, Bidder acknowledges and understands that the acceptance of funds by the Bidder or any other entity or person directly under this Contract, or indirectly through a subcontract under this Contract, shall constitute acceptance of the authority of the State Auditor’s Office, Comptroller or other agency of the State of Texas, TPWD or any successor agency, to conduct an audit or investigation in connection with those funds. The Bidder further agrees to cooperate fully with the above parties in the conduct of the audit or investigation, including providing access to any information the state auditor considers relevant to the investigation or audit. The Bidder shall ensure that this paragraph concerning the State’s authority to audit funds received indirectly by subcontractors through the Bidder and the requirement to cooperate is included in any subcontract it awards.

Bidder represents and warrants that the provision of goods and services or other performance under the contract will not constitute an actual or potential conflict of interest or reasonably create an appearance of impropriety.

Under Section 231.006(d) of the Texas Family Code, regarding child support, the Bidder certifies that the individual or business entity named in this bid is not ineligible to receive the specified payment and acknowledges that the contract may be terminated, and payment may be withheld if this certification is inaccurate. Furthermore, any Bidder subject to Section 231.006 of the Texas Family Code, must include, in the spaces(s) below, the names and Social Security numbers of each person with at least 25% ownership of the business entity submitting the bid.
FEDERAL PRIVACY ACT NOTICE: This notice is given pursuant to the Federal Privacy Act. Disclosure of your Social Security Number (SSN) is required under Section 231.006(c) and Section 231.302(c)(2) of the Texas Family Code. The SSN will be used to identify persons that may owe child support. The SSN will be kept confidential to the fullest extent allowed under Section 231.302(e), Texas Family Code.

Under Section 669.003 of the Texas Government Code, Bidder certifies that it does not employ, or has disclosed its employment of, any former executive head of the agency. Bidder must provide the following information in the bid.

Name of former executive: __________________________
Name of State agency: __________________________
Date of separation from State agency: _____________
Position with Bidder: ____________________________
Date of employment with Bidder: _________________

THE REST OF THIS PAGE INTENTIONALLY LEFT BLANK
RECEIPT IS HEREBY ACKNOWLEDGED OF THE FOLLOWING ADDENDA TO THIS IFB (INITIAL IF APPLICABLE)

No. 01 _____  No. 02 _____  No. 03 _____  No. 04 _____  No. 05 _____  No. 06 _____

WARNING: BIDDER’S FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDA MAY RESULT IN REJECTION OF BID.

BIDDER’S AFFIRMATION: SIGNING THIS BID WITH A FALSE STATEMENT OR MATERIAL MISREPRESENTATIONS MADE DURING THE PERFORMANCE OF A CONTRACT IS A MATERIAL BREACH OF CONTRACT AND SHALL VOID THE SUBMITTED BID OR ANY RESULTING CONTRACTS.

The undersigned certifies that I am duly authorized to submit this bid and execute a contract on my own behalf or on behalf of the bidder listed below.

______________________________________________________________________________
Name of Contracting Firm

______________________________________________________________________________
Address

City   State   Zip

______________________________________________________________________________
(Area Code) Phone Number

______________________________________________________________________________
(Area Code) Cell Number

______________________________________________________________________________
Email address

______________________________________________________________________________
Texas Identification Number

______________________________________________________________________________
Printed Name

______________________________________________________________________________
Title

______________________________________________________________________________
By_________________________________________  Date________________________
Authorized Signature

______________________________________________________________________________
(Area Code) Phone Number

______________________________________________________________________________
(Area Code) FAX Number

______________________________________________________________________________
Email address

______________________________________________________________________________
Texas Identification Number
1.00' SLOPE = 3.4:1
4.00'
RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)
OF COMFORT STATION BUILDING
NATURAL GROUND SLOPE @ NORTH SIDE
OF COMFORT STATION BUILDING

0.50'
12.00' CONC. DECK
COMFORT STATION
BUILDING F.F. ELEV.

0.50'
11.50'
8.00'
SLOPE = 2.3:1

MAX. SLOPE 3:1

STEEL NOTE:
MINIMUM CONCRETE COVER FOR ALL REBAR SHALL BE 2". REBAR SUPPORTED BY SADDLES/CHAIRS WHERE NEEDED.

SIDEWALK CURB RAMP
GAS

NATURAL GROUND SLOPE @ SOUTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE FOR GRADE WORK SHALL BE 2\(\frac{1}{2}\)" IN ALL DIRECTIONS FOR CONCRETE SIDEWALK AT BUILDING AND PARKING AREAS . CONCRETE SIDEWALKS AT BUILDING AND PARKING AREAS SHALL BE CONSTRUCTED AT A SLOPE OF 2\(\frac{1}{2}\)" IN 12' (17.78%)

2" SAND BED
EXPANSION JOINT
1.00'

SLOPE = 3.4:1

4.00'

RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)
OF COMFORT STATION BUILDING
NATURAL GROUND SLOPE @ SOUTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE 3:1

SIDEWALK CURB RAMP
GAS

NATURAL GROUND SLOPE @ NORTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE FOR GRADE WORK SHALL BE 2\(\frac{1}{2}\)" IN ALL DIRECTIONS FOR CONCRETE SIDEWALK AT BUILDING AND PARKING AREAS . CONCRETE SIDEWALKS AT BUILDING AND PARKING AREAS SHALL BE CONSTRUCTED AT A SLOPE OF 2\(\frac{1}{2}\)" IN 12' (17.78%)

2" SAND BED
EXPANSION JOINT
1.00'

SLOPE = 3.4:1

4.00'

RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)
OF COMFORT STATION BUILDING
NATURAL GROUND SLOPE @ SOUTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE 3:1

SIDEWALK CURB RAMP
GAS

NATURAL GROUND SLOPE @ NORTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE FOR GRADE WORK SHALL BE 2\(\frac{1}{2}\)" IN ALL DIRECTIONS FOR CONCRETE SIDEWALK AT BUILDING AND PARKING AREAS . CONCRETE SIDEWALKS AT BUILDING AND PARKING AREAS SHALL BE CONSTRUCTED AT A SLOPE OF 2\(\frac{1}{2}\)" IN 12' (17.78%)

2" SAND BED
EXPANSION JOINT
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SLOPE = 3.4:1

4.00'

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OF COMFORT STATION BUILDING
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OF COMFORT STATION BUILDING

MAXIMUM SLOPE 3:1

SIDEWALK CURB RAMP
GAS

NATURAL GROUND SLOPE @ NORTH SIDE
OF COMFORT STATION BUILDING

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SLOPE = 3.4:1

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RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)
OF COMFORT STATION BUILDING
NATURAL GROUND SLOPE @ SOUTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE 3:1

SIDEWALK CURB RAMP
GAS

NATURAL GROUND SLOPE @ NORTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE FOR GRADE WORK SHALL BE 2\(\frac{1}{2}\)" IN ALL DIRECTIONS FOR CONCRETE SIDEWALK AT BUILDING AND PARKING AREAS . CONCRETE SIDEWALKS AT BUILDING AND PARKING AREAS SHALL BE CONSTRUCTED AT A SLOPE OF 2\(\frac{1}{2}\)" IN 12' (17.78%)

2" SAND BED
EXPANSION JOINT
1.00'

SLOPE = 3.4:1

4.00'

RETAINING WALL (FOR DETAILS SEE STRUCTURAL PLANS)
OF COMFORT STATION BUILDING
NATURAL GROUND SLOPE @ SOUTH SIDE
OF COMFORT STATION BUILDING

MAXIMUM SLOPE 3:1
1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

Approx. Square Feet for Contractor Staging Zone: 18,322 Sq.Ft.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest".

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work and humidity.

REFERENCE NOTES

Provide barriers to prevent public access.

SHEET TITLE

ARCHITECTURAL SITE PLAN AT VISITORS CENTER AREA

SCALE: 1" = 30'-0" A-05A-01

DATE: 5/07/2021

REVISED: ADD01 5/07/2021

DESIGNED BY: BWM

DRAWN BY: NDM

REVIEWED BY: BWM

Total number of signs: 11

1. 2 signs of Be Prepared to Stop For Flagman
2. 2 signs of Construction Zone
3. 1 sign of End of Construction Zone
4. 1 sign of Temporary Visitors Center 1.5 Miles
5. 1 sign of Temporary Visitors Center 1.4 Miles
6. 1 Sign each of Signs 5-8

REFERENCE NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all existing conditions before commencing work and report any and all discrepancies between actual conditions and conditions indicated to the Architect/Engineer immediately.

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest".

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work and humidity.

GENERAL NOTES

Contractor may need to temporarily vacate staging areas for up to one week. TapeOff will be completing a seal coat project of the Monahans roads and parking between the months of May and August 2022. Parking lot striping between the months of May and August 2022. The SeaCoating is completed.
GENERAL NOTES
1. Existing conditions shown on these drawings have been measured or observed in the field. Contractor shall verify all existing conditions and report any discrepancies between actual conditions and conditions indicated on the drawings to the Architect/Engineer.

2. The Visitors Center and Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of Existing Gate.

3. All plan dimensions between wall components are from face of masonry or face of framing unless noted otherwise. All dimensions at casework and finish components are to the finished surface.

4. Replace stone veneer to match existing where needed.

5. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work.
DOOR & FRAME SCHEDULE

ROOM SCHEDULE

FINISH LEGEND

WINDOW SCHEDULE

GENERAL NOTES

1. Existing conditions shown on these drawings were taken from record drawings and site surveys. Contractor shall field verify all work and report any and all discrepancies.

2. The Visitors Center and the Comfort Station components are to the finished surface.

3. When the work requires removal of existing components, Contractor must close openings in the wall and report any and all discrepancies.

4. Mount on East wall with CL 9" from Northend of wall.

5. Mount on West wall with CL 9" from true north. Plan north is that angle west of true north.

REFERENCE NOTES

1. Listed materials are for reference only. Refer to detailed construction documents for accurate specifications.

2. The information provided is subject to change and should be reviewed before finalization of the project.

3. Addenda 1, 5/07/2021

4. All dimensions are in inches unless otherwise specified.

5. Scale: 1/4" = 1'-0"
Remove stone veneer to match existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work for more information.

---

2. The Visitors Center and the Comfort Station are oriented approximately 32 degrees off true north. Plan north is that angle west of north, i.e. the "northwest" north in plan.

---

4. Replace stone veneer to match existing

---

**Note:** The document contains various architectural plans and specifications related to the Visitors Center and Section House Renovations project. It includes dimensions, materials, and instructions for various elements of the building envelope, such as roofing, siding, and finish components. The plans are designed to guide the construction process, ensuring that the work aligns with the original architectural vision and the client's requirements.
GENERAL NOTES

1. All plan dimensions between wall components are from face of masonry or dimensions at casework and finish components are to the finished surface.

2. Replace stone veneer to match existing where needed.

3. All plan dimensions between wall and cabinets are from face of masonry, unless otherwise noted.

4. When the work requires removal of existing portions of the building envelope, except demolition of the existing Comfort Station, Contractor must close openings in the exterior envelope to protect existing Work from weather and extremes of temperature and humidity.

5. Surface mounted conduit and J boxes that are currently painted the sand color is to be it attached or nearest surface (e.g. conduit run along underside of porch paint to match soffit/rafter color).

6. For exterior electrical outlets where the exterior enclosure has been painted sand, paint the enclosure to match surface to match soffit/rafter color.

7. For wall mounted light fixtures, mask off light fixtures prior to painting.

8. For under soffit light fixtures at porch, remove light fixtures prior to painting and Flash and seal ducting at exterior wall penetration.

9. For under soffit light fixtures at porch, remove light fixtures prior to painting and Flash and seal ducting at exterior wall penetration.

10. Surface mounted conduit and J boxes that are currently painted the sand color is to be it attached or nearest surface (e.g. conduit run along underside of porch paint to match soffit/rafter color).
1. Existing conditions shown on these drawings. Contractor shall field verify all work and report any and all discrepancies between actual conditions and conditions immediately.

2. The Visitors Center and the Comfort Station true north. Plan north is that angle west of north in plan.

3. All plan dimensions between wall dimensions at casework and finish components are to the finished surface.

4. For exterior electrical outlets where the accessories are not the same as the outlets, the surface to which it is attached or nearest surface (e.g. conduit match soffit/rafter color).

5. For wall mounted light fixtures, mask off fixture.

6. For under soffit light fixtures at porch, mask off fixture.

7. For surface mounted conduit and J boxes that are currently painted the sand color is to be painted color to match surface to which it is attached. Mask off outlet.

8. Replace trim & battens where needed.

9. For wall mounted light fixtures, mask off fixture.
MECHANICAL NOTED NOTES

1. EXISTING AHU/CU TO BE RETURNED TO OWNER. CLEAN EXISTING REFRIGERANT LINES FOR RE-USE. REFER TO REMODEL. DIRECT CONTRACTOR TO STORE AND MAINTAIN IN SECURED AREA AS REQUIRED UNTIL REINSTALLED OR RETURNED TO OWNER.

2. EXISTING AHU/CU TO BE RELOCATED FOR RE-USE IN EXHIBIT AREA. REFER TO REMODEL. DIRECT CONTRACTOR TO STORE AND MAINTAIN IN SECURED AREA AS REQUIRED UNTIL REINSTALLED OR RETURNED TO OWNER.

3. EXISTING EXHAUST FAN TO BE DEMOLISHED. EXISTING CURB/HOOD TO REMAIN. REFER TO REMODEL.

4. DEMOLISH AND DISPOSE OF ALL EXISTING SUPPLY AIR/RETURN AIR/EXHAUST AIR DUCTWORK, GRILLES, ETC. REFER TO REMODEL.

5. EXISTING AHU/CU TO REMAIN, CLEAN/SERVICE. EXISTING DUCTS AND GRILLES TO REMAIN.

6. EXISTING REFRIGERANT LINE RACEWAYS. RELOCATE EXISTING REFRIGERANT LINES TO BE CONCEALED ABOVE NEW DUCTWORK. PROVIDE WITH ALUMINUM JACKETING ON ALL INTERIOR NEW AND EXISTING LINES. COORDINATE WITH ARCH FOR PAINT COLOR ON ALUMINUM JACKET.

7. FLUES AT OLD AHU-3 TO BE CAPPED AND BRACED SECURE BELOW THE ROOF TO AVOID FLEX AT THE ROOF.
A. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH LOCAL ELECTRICAL COMPANY TO DETERMINE THE WIRING LAYOUT AND LOCATION PER THE CONTRACTORS DRAWINGS, ELECTRICAL PANEL AND TRANSFORMER LOCATION, AND OTHER REQUIREMENTS. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
B. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
C. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
D. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
E. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
F. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
G. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
H. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
I. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
J. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
K. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
L. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
M. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
N. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.
O. CONTRACTOR TO PROVIDE A MEETING WITH LOCAL ELECTRICAL COMPANY TO DISCUSS THE REQUIREMENTS AND LOCATION OF THE NEW TRANSFORMER.

ELECTRICAL KEYNOTES

1. NEW PANEL 'A' LOCATION.
2. PROVIDE NEW 1-RUN OF 3" C FUTURE USE STUB UP IN ELECTRICAL ROOM.
3. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR NEW POWER FEED.
4. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR COMMUNICATION CONDUITS.
5. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR NEW POWER FEED.
6. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR COMMUNICATION CONDUITS.
7. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR NEW POWER FEED.
8. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR COMMUNICATION CONDUITS.
9. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR NEW POWER FEED.
10. PROVIDE IN-GRADE WATER PROOF UL LISTED PULLBOX FOR COMMUNICATION CONDUITS.

Scale: 1/2" = 1'-0" M-06E-02

Sheet Title: ELECTRICAL SITE
Sheet Number: E-02

DATE: 5-7-21
DESIGNED BY: S.C., R.F.
DRAWN BY: S.C.
REVIEWED BY: S.C., R.F.

100% Construction Documents

C:\Users\jesusv\Documents\20.2.12_Monahans_CENTRAL_2020_TRINITY2015.rvt

TRINITY VISITOR SERVICES:
- Visitors Center and Section House Renovations
- Monahans Sandhills State Park
- Pedestrian Bridge
- Trinity Visitors Center
- E-05 Custodial/Elect.
- E-06 Custodial/Elect.
- E-04 Custodial/Elect.

Future Services
- Gate
- Diving Board
- Picnic Area
- Tennis Courts
- RV Park
- Visitors Center
- Section House
- Monahans Sandhills State Park
- Pedestrian Bridge
- Trinity Visitors Center
- E-05 Custodial/Elect.
- E-06 Custodial/Elect.
- E-04 Custodial/Elect.
GENERAL ELECTRICAL - DEMOLITION NOTES

A. THE EXTENT OF DEMOLITION NEEDED IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE WORK.

B. PROVIDE AS DEMOLITION NOTES REQUIRED FOR THE ORIGINAL J-BOX INSTALLATION ELECTRICAL EQUIPMENT, MATERIALS, AND MACHINERY, INCLUDING, BUT NOT LIMITED TO, WIRING, BOXES, ETC. TO PROTECT A COMPLETE AND OPERABLE SYSTEM.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING THE ELECTRICAL EQUIPMENT AND MATERIALS AS REQUIRED, AS THE MACHINERY REQUIRED TO PERFORM AND COMPLETE THE WORK AS SHOWN ON THE ARCHITECTURAL DRAWINGS.

D. WHERE DEVICE OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.

E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.

F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.

G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT REQUIRES EQUIPMENT DOWNSTREAM INOPERABLE, EQUIPMENT IS LEFT IN OPERATING CONDITION.

H. COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.

I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.

J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

L. ALL DEVICES WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.

M. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

LEGEND - DEMOLITION

EXISTING BUILDING SHALL BE DEMOLISHED IN ITS ENTIRETY. EXISTING LIGHTS, CONDUIT, WIRING, RECEPTACLES, ELECTRICAL PANELS, WALL PLATES, DATA OUTLETS, FIRE ALARM, SWITCHES SHALL BE REMOVED.

EXISTING 120/240V, 1-PHASE, 200A PANEL "A" TO REMAIN. FIELD VERIFY EXISTING CONDITIONS.

EXISTING TELEPHONE DEMARC TO RELOCATED REFER TO REMODEL PLAN. EXISTING COMMUNICATION CONDUIT STUB-UP TO REMAIN.

EXISTING CONDUITS SHALL BE REMOVED.

EXISTING J-BOX SHALL BE REMOVED.

EXISTING CONDUITS SHALL BE RAISED AND MOUNTED TO UNDERSIDE OF STRUCTURE.

EXISTING J-BOX SHALL REMAIN.

EXISTING CONDUITS SHALL BE ROUTED TO ELECTRICAL ROOM.

EXISTING CONDUITS SHALL BE REMOVED, UNLESS NOTED OTHERWISE.

EXISTING CONDUITS SHALL BE REMOVED, UNLESS NOTED OTHERWISE.

EXISTING TELEPHONE TO REMAIN.

EXISTING CONDUITS SHALL BE ROUTED TO ELECTRICAL ROOM.

EXISTING EXTERIOR LIGHT FIXTURES TO REMAIN.

EXISTING WIRING DEVICES TO BE REMOVED.

EXISTING DATA OUTLET TO BE REMOVED.

EXISTING ELECTRICAL :: DEMOLITION

ELECTRICAL KEYNOTES

LEGEND - DEMOLITION

EXISTING BUILDING TO BE REMOVED.

EXISTING LIGHTS, CONDUIT, WIRING, RECEPTACLES, ELECTRICAL PANELS, WALL PLATES, DATA OUTLETS, FIRE ALARM, SWITCHES TO BE REMOVED.

EXISTING TELEPHONE DEMARC TO BE REMOVED AND REFER TO ARCHITECTURAL DOCUMENTS.

EXISTING COMMUNICATION CONDUIT STUB-UP TO REMAIN.

EXISTING TELEPHONE TO REMAIN.

EXISTING WIRING DEVICES TO BE REMOVED.

EXISTING DATA OUTLET TO BE REMOVED.

EXISTING TELEPHONE TO REMAIN.

EXISTING CONDUITS TO REMAIN.

EXISTING CONDUITS TO BE REMOVED, UNLESS NOTED OTHERWISE.

EXISTING EXTERIOR LIGHT FIXTURES TO REMAIN.

EXISTING WIRING DEVICES TO BE REMOVED.

EXISTING DATA OUTLET TO BE REMOVED.

EXISTING TELEPHONE TO REMAIN.

EXISTING CONDUITS TO BE REMOVED, UNLESS NOTED OTHERWISE.

EXISTING TELEPHONE TO REMAIN.
A. Coordinate exact location and mounting height of all power source wiring in accordance with architectural millwork.

B. Electrical contractor shall make final connection to H.V.A.C equipment, plumbing equipment, refer to panel schedule for wire size.

C. Electrical contractor shall provide starters, relays, contactors and the required electrical accessories for mechanical system as:

1. Provide 1-2" conduit for new fire alarm cabling and route to custodial/electrical.
2. Field verify existing underground utilities prior to any work.

D. Coordinate exact location of all mechanical equipment in accordance:

1. Coordinate exact location with plumber to conceal cord behind electric drinking fountain prior to any rough-in.
2. Tie into rooms lighting circuit and interlock fan with rooms lights. Wiring shall be 2#12, 1#12G, 1/2" conduit.
3. J-box for fire alarm circuit to FACP. Route to existing panel "A". Provide 1-20 amp, 120V, 1-pole breaker.
4. Nema rated outlets, refer to breaker size and coordinate with breaker. Wire shall be 2#10, #10G, 3/4" conduit. Field verify existing conditions prior to commencing any work.
5. Conduits shall be routed above HVAC duct into electrical system, shall be in full compliance and meet all codes and standard.
6. Conduits shall be routed up to ceiling level and run within ceiling floor. Field verify existing conditions prior to roof/ceiling.
7. Cutting of concrete floors shall be by machine saw, holes for pipes with prior approval from the structural engineers.
8. Contractor shall inform the engineer if reinforcing is cut or damaged while making openings as required by drawings or specifications. Patch and seal openings as required.
9. Coordinate all cutting and patching with other trades.

GENERAL NOTES - ELECTRICAL

A. Coordinate exact location of equipment locations of all power source wiring in accordance with electrical panel location.

B. Electrical contractor shall make final connection to H.V.A.C equipment, plumbing equipment, refer to panel schedule for wire size.

C. Electrical contractor shall provide starters, relays, contactors and the required electrical accessories for mechanical system as:

1. Provide 1-2" conduit for new fire alarm cabling and route to custodial/electrical.
2. Field verify existing underground utilities prior to any work.

D. Coordinate exact location of all mechanical equipment in accordance:

1. Coordinate exact location with plumber to conceal cord behind electric drinking fountain prior to any rough-in.
2. Tie into rooms lighting circuit and interlock fan with rooms lights. Wiring shall be 2#12, 1#12G, 1/2" conduit.
3. J-box for fire alarm circuit to FACP. Route to existing panel "A". Provide 1-20 amp, 120V, 1-pole breaker.
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5. Conduits shall be routed above HVAC duct into electrical system, shall be in full compliance and meet all codes and standard.
6. Conduits shall be routed up to ceiling level and run within ceiling floor. Field verify existing conditions prior to roof/ceiling.
7. Cutting of concrete floors shall be by machine saw, holes for pipes with prior approval from the structural engineers.
8. Contractor shall inform the engineer if reinforcing is cut or damaged while making openings as required by drawings or specifications. Patch and seal openings as required.
9. Coordinate all cutting and patching with other trades.

E-05
Electrical Power Floor Plan - First Floor

Visitors Center and Section House Renovations
Monahans Sandhills State Park
119199

Monahans Sandhills State Park
Visitors Center and Section House Renovations

05/07/2021

DESIGNED BY:
DRAWN BY:

Scale: 1" = 20' 0"

50% Construction Documents

100% Construction Documents

C:\Users\jesusv\Documents\20.2.12_Monahans_CENTRAL_2020_TRINITY2015.rvt
<table>
<thead>
<tr>
<th><strong>DESCRIPTION</strong></th>
<th><strong>TOTAL KVA</strong></th>
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<td>LIGHTING</td>
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</tr>
<tr>
<td>GENERAL POWER</td>
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<tr>
<td>A/C</td>
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<td>WATER HEATER</td>
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<tr>
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**TOTAL WATTS:** 81.16 KVA

**TOTAL AMPS:** 190 AMPS

**WIRE SIZE** AMPS: 196 AMPS

**Visitors Center Comfort Station**

**ELECTRICAL RISER DIAGRAM**

**KEYED NOTES:**

1. PROVIDE NEW PANEL-DP WITH SERVICE RATED MAIN BREAKER.
2. PROVIDE NEW 1-RUN OF 4#3/0, 1#6G, 2"C.
3. PROVIDE NEW 1-RUN OF 3#1, 1#6G, 2"C.
4. PROVIDE NEW 1-RUN OF 3#2, 1#8G, 2"C.
5. PROVIDE NEW 2"C WITH PULL STRING FOR FUTURE USE. COORDINATE STUB UP LOCATION IN CUSTODIAL/ELEC ROOM 108.
6. PROVIDE NEW PANEL-DP WITH SERVICE RATED MAIN BREAKER.

**GENERAL NOTES:**

- PROVIDE GROUND / BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.
- NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS, LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC.. BY ELECTRICAL CONTRACTOR.
- COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.
- PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE, UNLESS OTHERWISE NOTED.
- ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.
- THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE SUBMITTED AS PART OF THE ELECTRICAL GEAR SUBMITTALS.
- THE CONTRACTOR SHALL FURNISH AN ARC FLASH HAZARD ANALYSIS STUDY PER NFPA 70E - STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE, REFERENCE ARTICLE 130.3 AND SUBMITTED AS PART OF THE ELECTRICAL GEAR SUBMITTALS.
- THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE SUBMITTED AS PART OF THE ELECTRICAL GEAR SUBMITTALS.
- PROVIDE NEW PANEL-DP WITH SERVICE RATED MAIN BREAKER.
- PROVIDE NEW 1-RUN OF 4#3/0, 1#6G, 2"C.
- PROVIDE NEW 1-RUN OF 3#1, 1#6G, 2"C.
- PROVIDE NEW 1-RUN OF 3#2, 1#8G, 2"C.
- PROVIDE NEW 2"C WITH PULL STRING FOR FUTURE USE. COORDINATE STUB UP LOCATION IN CUSTODIAL/ELEC ROOM 108.
- PROVIDE NEW PANEL-DP WITH SERVICE RATED MAIN BREAKER.
Light Fixture Schedule

A.I.C. Rating:

<table>
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<th>Tag</th>
<th>MP Voltage</th>
<th>Mounting Description</th>
<th>Manufacturer</th>
<th>Model</th>
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<tr>
<td>ALL MATERIALS NECESSARY FOR A PROPER INSTALLATION</td>
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<table>
<thead>
<tr>
<th>Voltage</th>
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**A3E LED 120V SUSPENDED 4' SUSPENDED LINEAR FIXTURE, WITH DIRECT LIGHT DISTRIBUTION, INTEGRATED OCCUPANCY AND DAYLIGHTING CONTROLS, AND EMERGENCY BATTERY BACKUP. PROVIDE ALL MATERIALS NECESSARY FOR A PROPER INSTALLATION**

**A4 LED 120V SUSPENDED 4' SUSPENDED LINEAR FIXTURE, WITH DIRECT LIGHT DISTRIBUTION, INTEGRATED OCCUPANCY AND DAYLIGHTING CONTROLS, PROVIDE**

**Spare 20 A 10 VA 0 VA -- -- -- Space**

Project number: 20.2.12

**LEONARDO MUNOZ**

**MARK LIGHTING S4LS 4FT 80CRI 40K 1000LMF ZT APD**

**PR**

**ED**

**IN**

**SOIS**

**40**

**-- -- -- -- 0 VA 0 VA 1 20 A Spare**

**X2 LED 120V SURFACE THERMOPLASTIC EXIT UNIT WITH SELF-DIAGNOSTICS LITHONIA LIGHTING LQM S W 1 R 120/277 EL N SD**

**-- -- -- -- 0 VA 0 VA 1 20 A Spare**

**LIGHTING**

**Total Amps:**

<table>
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<th>81074 VA</th>
<th>410 VA</th>
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<tr>
<td>10315 VA</td>
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<td>Total Conn. Load:</td>
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<td>86 A</td>
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</tbody>
</table>

**Notes:**

existing panel A to be replace with same circuits and breakers as shown. Panel A shall be 120/240V, 1P MLO 100Amps.
PLUMBING NOTES:

A. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE FOLLOWING SYSTEM. THE CONTRACTOR SHALL INFORM THE ENGINEER IF OPENINGS AS REQUIRED BY DRAWINGS OR SPECIFICATIONS. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.

B. EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWING AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELVES WITH THIS KNOWLEDGE WILL CAUSE ADDITIONAL COSTS TO THE PROJECT THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKER WITH THIS KNOWLEDGE.

C. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND OPENINGS AS REQUIRED BY DRAWINGS. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.

D. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PLUMBING SEWER - FIRST FLOOR EXHIBIT AREA

E. CONTRACTOR SHALL INFORM THE ENGINEER IF MANUFACTURER’S INSTRUCTION. REFER TO DETAIL 17/P-09.

F. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING AND DEVICES AND EQUIPMENT WITH THE BUILDING ELEMENTS AND THE WORK WITH THE OTHER TRADES. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNDERGROUND PLUMBING. PATCH CONCRETE FLOOR TO MATCH EXISTING, REPAIR REBAR AND PROVIDE NEW MOISTURE BARRIER. CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW, WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS.

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