

To: All Plan Holders

Project: Airfield Pavement Rehabilitation Project

Airport: Liberty Municipal Airport

KSA Project No.: LIB.013

Date: Wednesday, September 14, 2022

Client Project No.: TxDOT CSJ No. 2220LBRTY

The plans, specifications, and contract documents are modified as described below. All bidders shall acknowledge receipt of this and all other addenda on page 4 of 5 on the revised bid form titled **REVISED PER ADDENDUM NO. 1**. This addendum becomes a part of the contract documents. All provisions of the original plans, specifications, and contract documents shall remain in full force and effect, except as modified by this addendum.

I. Contract Document Revisions

A. Bid Form

Replace with the attached **Revised** Bid Form. Note that the award of bids will be based on the bid items and quantities listed in the **Revised** Bid Form. Any variance in the bid submittals from the **Revised** Bid Form will result in the bid being disqualified. The revised bid form is not attached to the addendum but can be located on the TxDOT website with the other contract documents associated with this project.

II. Plan Revisions

A. Plan Sheet G01, Cover Sheet

1. Replace with the attached Revised Plan Sheet G01, Cover Sheet

B. Plan Sheet C11, Taxiway Reconstruction Plan and Profile 1

1. Replace with the attached Revised Plan Sheet C11, Taxiway Reconstruction Plan and Profile 1

C. Plan Sheet C12, Taxiway Reconstruction Plan and Profile 2

1. Replace with the attached Revised Plan Sheet C12, Taxiway Reconstruction Plan and Profile 2

III. Specification Revisions

A. KSA Spec Book Cover Page

1. Delete this item in its entirety and replace with the attached KSA Spec Book Cover Page shown as REVISED PER ADDENDUM NO. 1 in the footer.

B. FAA Specification Item C-100, Contractor Quality Control Program (CQCP)

1. Delete this item in its entirety and replace with the attached FAA Specification Item C-100, Contractor Quality Control Program shown as REVISED PER ADDENDUM NO. 1 in the footer.

IV. Attachments

- A. Revised Plan Sheet G01, Cover Sheet
- B. Revised Plan Sheet C11, Taxiway Reconstruction Plan and Profile 1
- C. Revised Plan Sheet C12, Taxiway Reconstruction Plan and Profile 2
- D. KSA Spec Book Cover Page
- E. FAA Specification Item C-100, Contractor Quality Control Program (CQCP)
- F. Contractor Questions and Responses
- G. Pre-Bid Meeting Agenda
- H. Pre-Bid Meeting Sign In Sheet

Addendum No. 1 Issued By:
KSA



Nathan T. Mikell, P.E.
Project Manager



TBPE Firm Registration No. F-1356

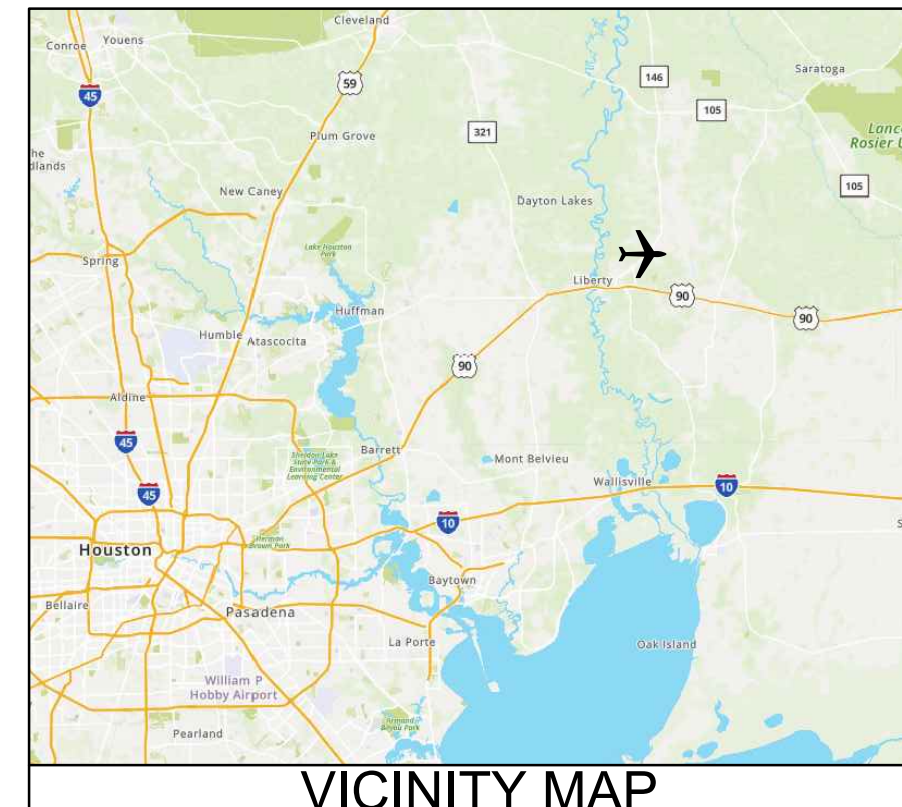


LIBERTY MUNICIPAL AIRPORT LIBERTY, TEXAS AIRFIELD PAVEMENT REHABILITATION PROJECT

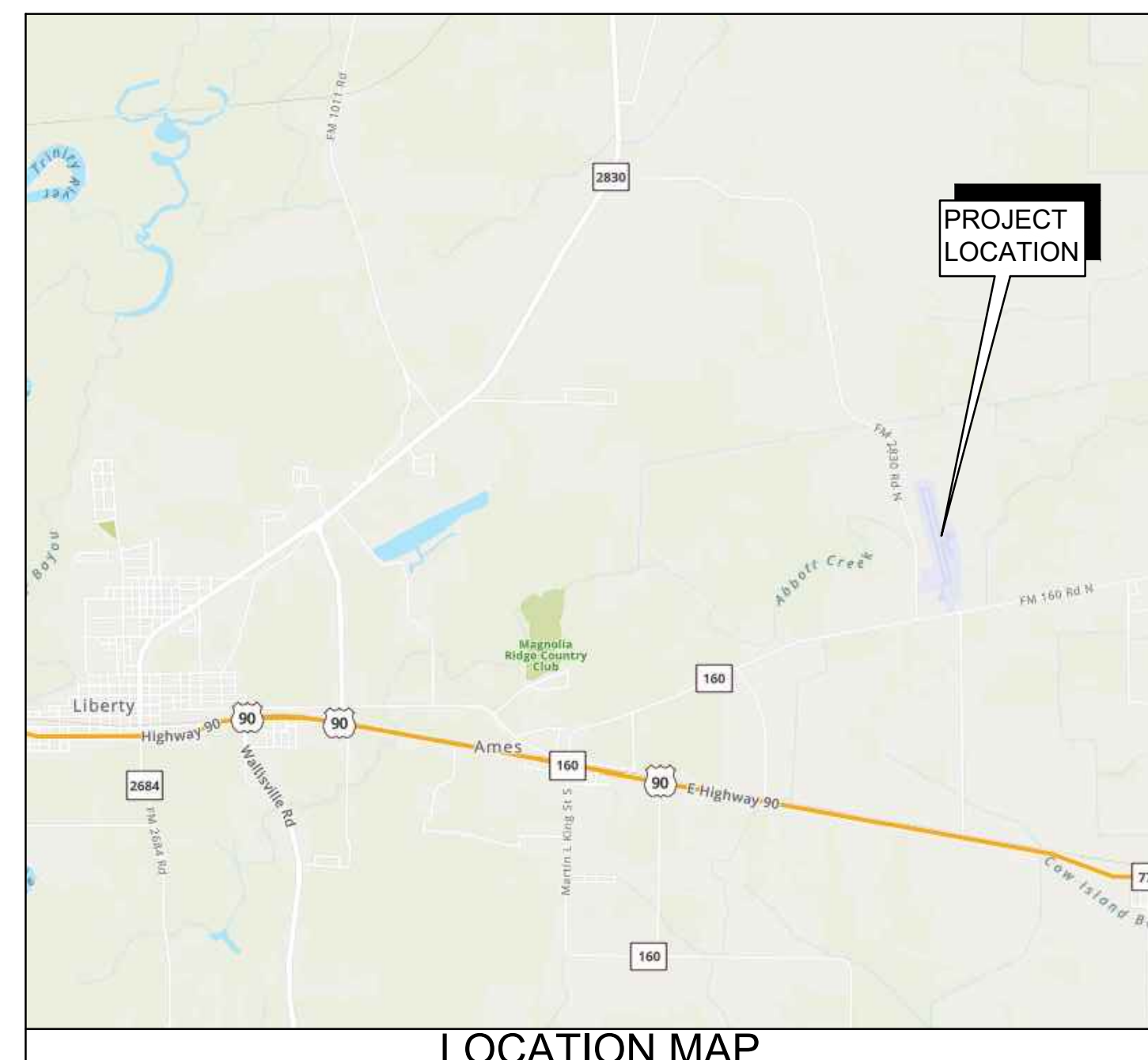
TxDOT CSJ No. 2220LBRTY [△]

MAY 2022

ISSUED FOR BID



VICINITY MAP



LOCATION MAP

MAYOR
CARL PICKETT

CITY MANAGER
TOM WARNER

ASSISTANT CITY MANAGER
CHRIS JARMON

CITY COUNCIL
DENNIS BEASLEY
CHIPPER SMITH
LIBBY SIMONSON
DIANE DRIGGERS
ED SEYMOUR
TOMMY BRENTS

MAYOR PRO-TEM

KSA

211 E. Shepherd Ave., Suite 205
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T. 936-637-6061 F. 888-224-9418
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RECOMMENDED BY:
KSA
TBPE FIRM REGISTRATION No. F-1356



NATHAN T. MIKELL, P.E.
PROJECT MANAGER

DATE

[illegible]

The diagram shows a surveying level staff with a bubble level mounted on it. Below the staff are two graphical scales. The vertical scale is labeled 'VERTICAL SCALE: 1" = 5'' and has markings at 5, 0, 5, and 10. The horizontal scale is labeled 'HORIZONTAL SCALE: 1" = 50'' and has markings at 50, 0, 50, and 100. Both scales use alternating black and white blocks to represent measurements.

MATCH LINE - SEE SHEET C12

ADDENDUM 1	9/4/22
MARK	REVISION
	DATE

TAXIWAY RECONSTRUCTION PLAN AND PROFILE 1

LIBERTY MUNICIPAL AIRPORT
AIRFIELD PAVEMENT
REHABILITATION PROJECT
LIBERTY, TEXAS
TxDOT CSJ NO. 2120LBRTY

DRAWN BY:	AJ
DESIGNED BY:	NM
LATEST REVISION	
	09/14/2022
KSA JOB NO.:	
	LIB013

KSA

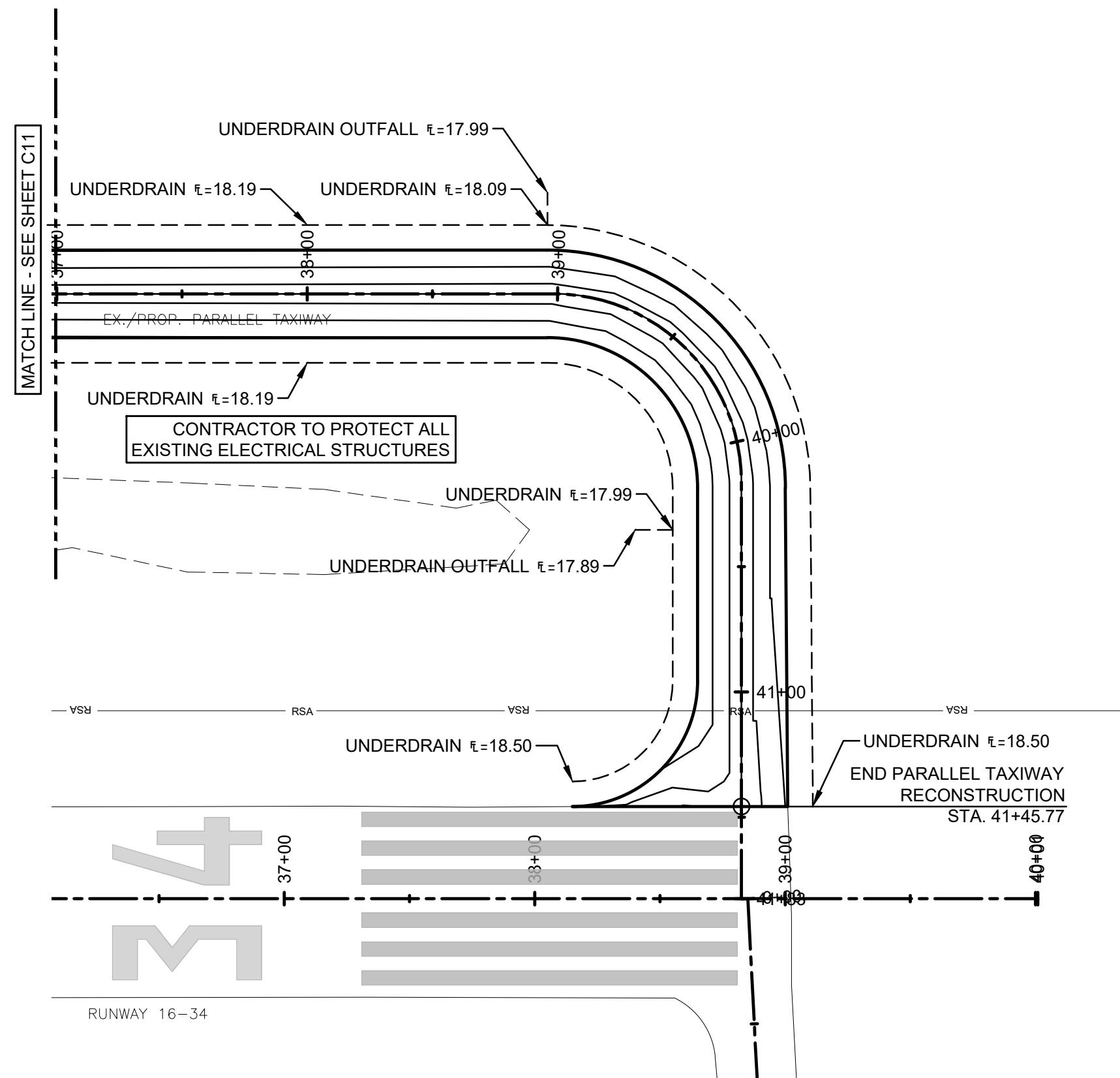
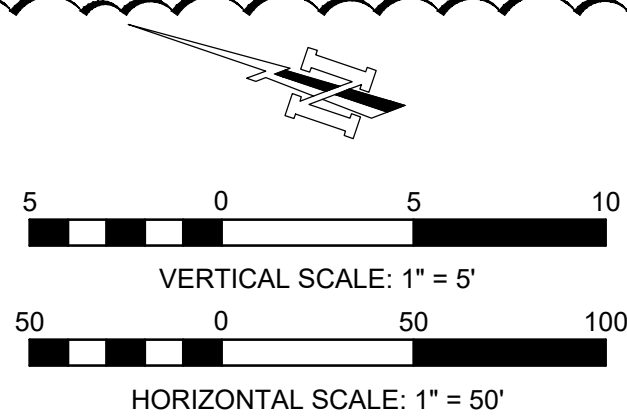
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STATE OF TEXAS
NATHAN T. MIKELL
136408
PROFESSIONAL ENGINEER
LICENSED
09/14/2022

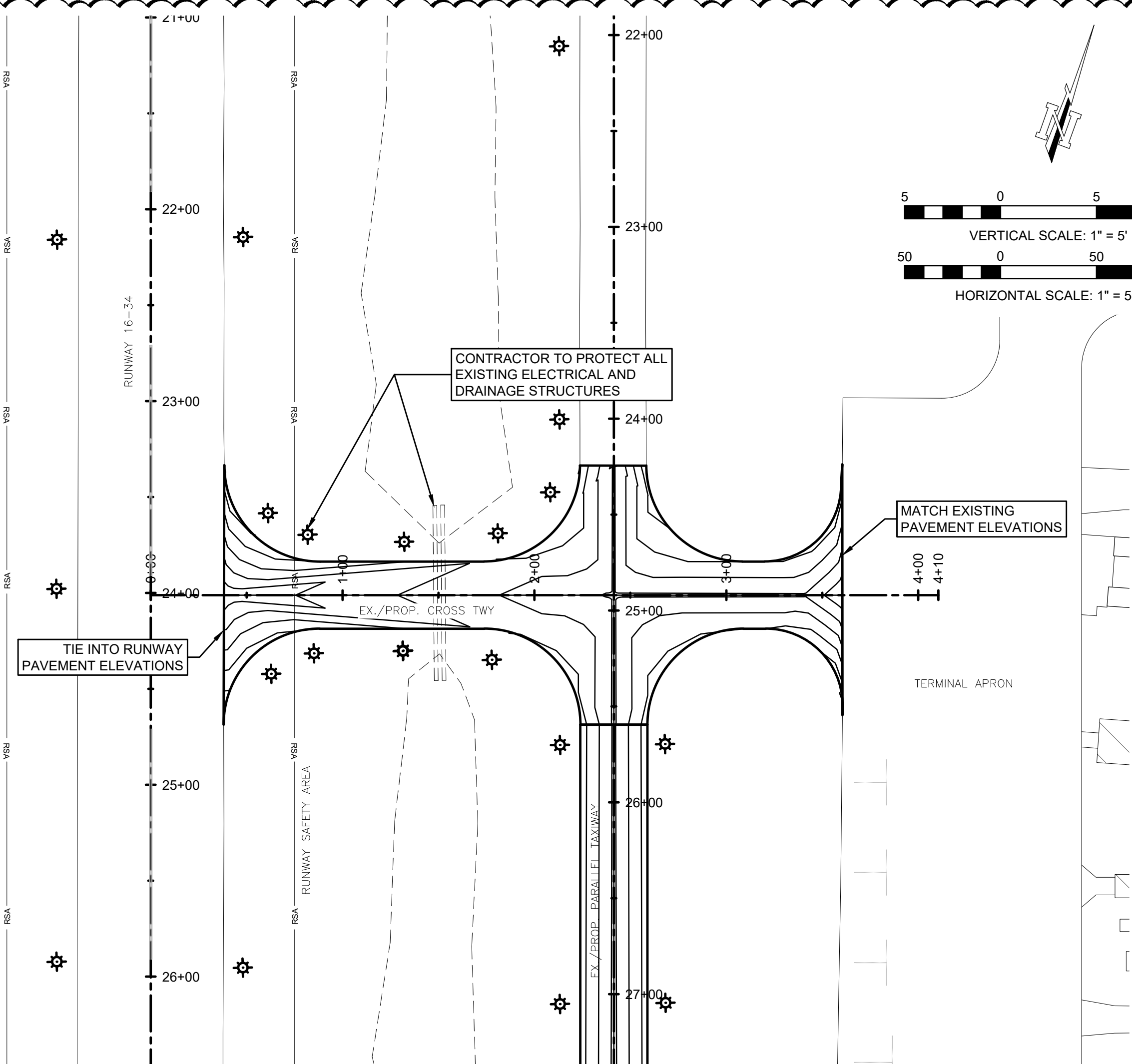
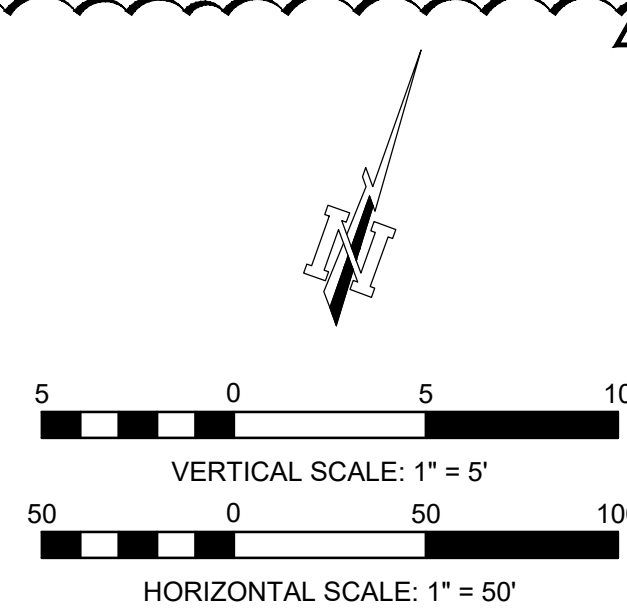
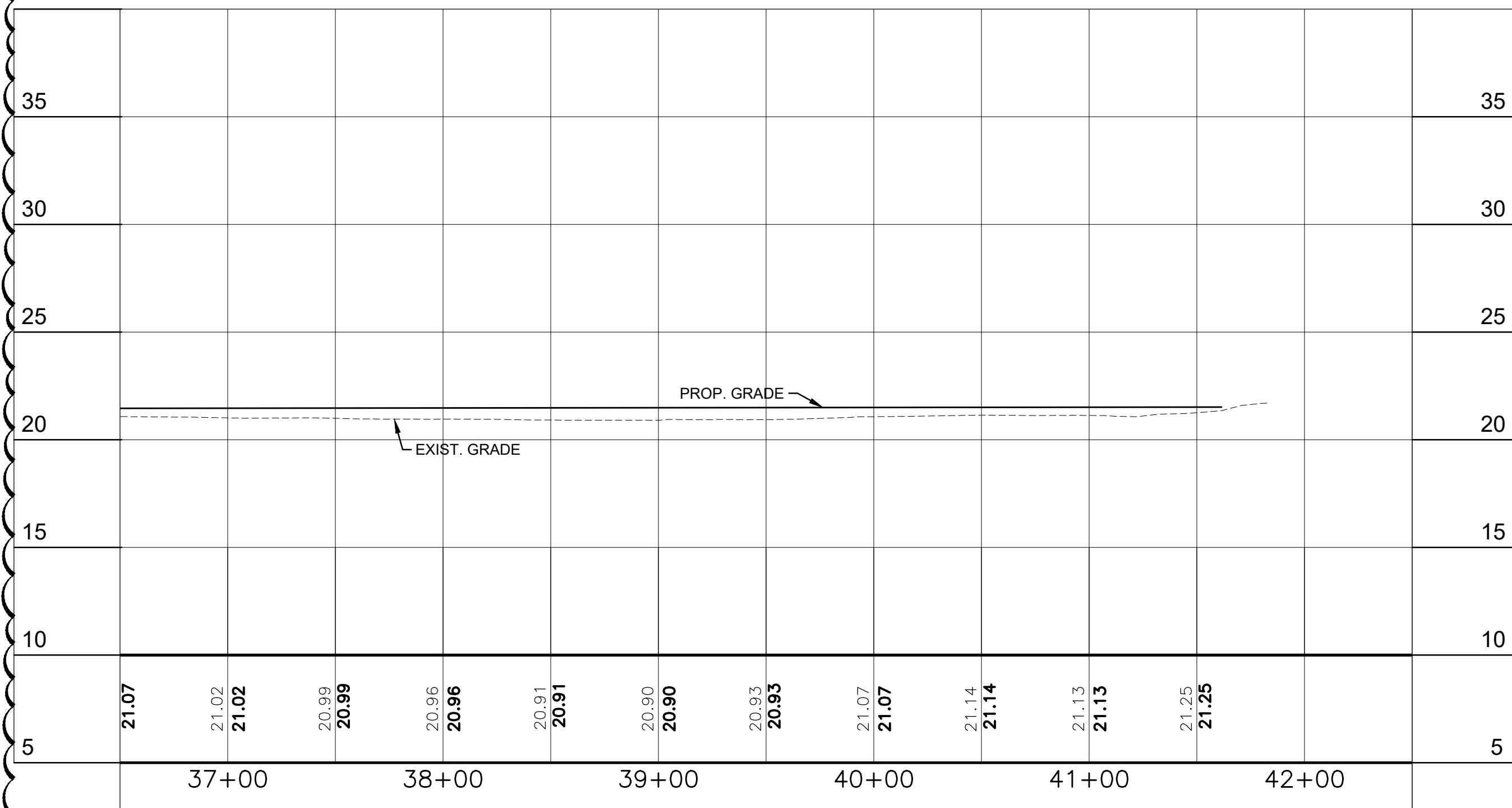
SEAL:	TBPE Firm Registration No. F-1356
SHEET NO.	

C11

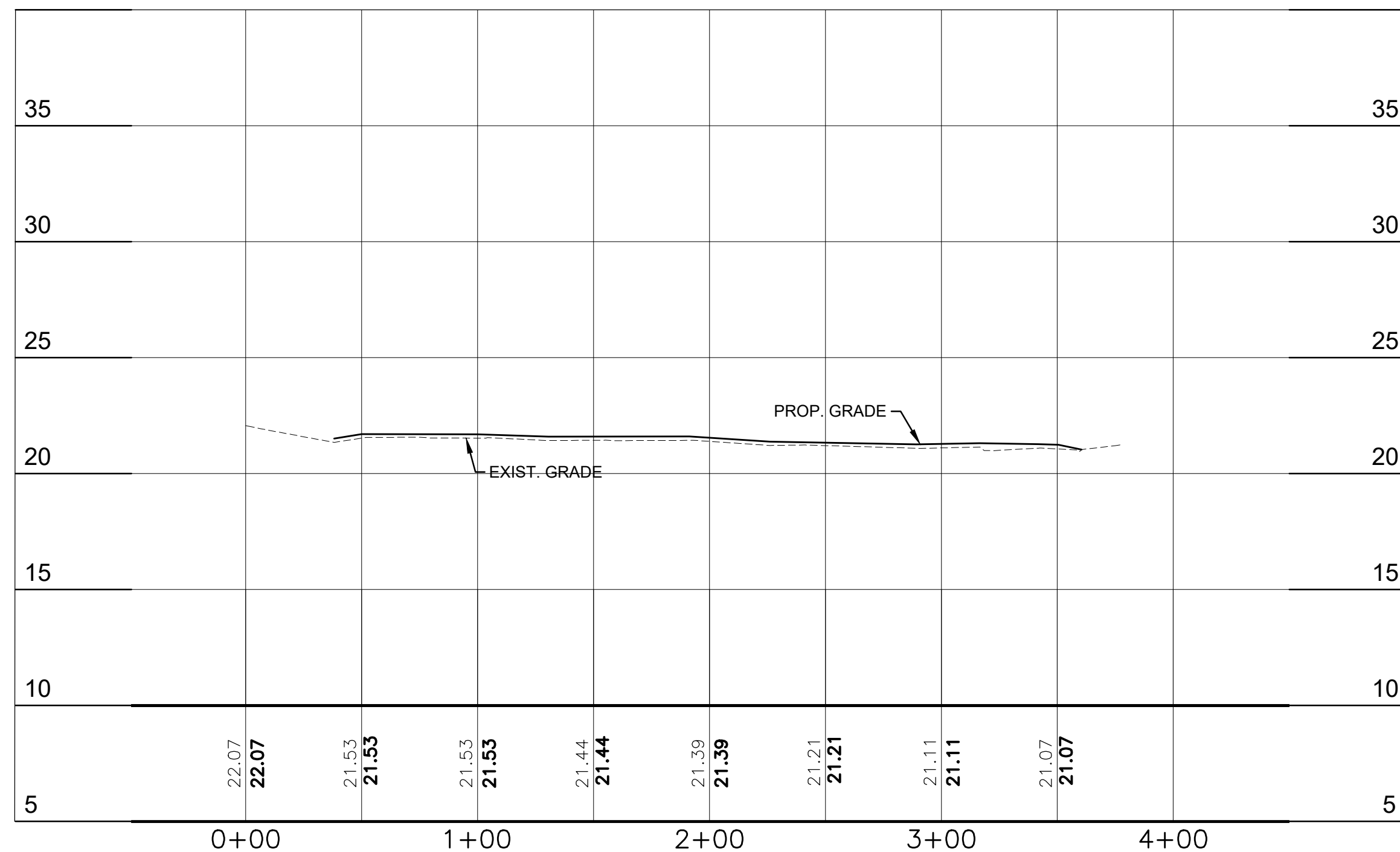
!SPECIAL NOTE!
PIPE UNDERDRAINS TO BE INSTALLED PER THE DETAIL ON SHEET C18.
THE PIPE UNDERDRAINS AS DRAWN ON THIS SHEET AT A FURTHER
DISTANCE OFF THE EDGE OF PAVEMENT THAN THE DETAIL ON SHEET
C18 STATES, WITH THE INTENT TO PROVIDE ADDITIONAL CONSPICUITY
FROM OTHER PROPOSED LINEWORK IN CLOSE PROXIMITY.



PARTIAL PARALLEL TAXIWAY RECONSTRUCTION -
ALIGNMENT 2 (2 OF 2)



CROSS TAXIWAY RECONSTRUCTION - ALIGNMENT 3



 <p>211 E. Shepherd Ave., Suite 205 Dallas, Texas 75201 T. 936-637-6061 F. 888-224-9418 www.ksaeng.com</p>	 <p>STATE OF TEXAS NATHAN T. MIKE 136408 LICENSED PROFESSIONAL ENGINEER 09/14/2022</p>	DRAWN BY: AJ	LIBERTY MUNICIPAL AIRPORT AIRFIELD PAVEMENT REHABILITATION PROJECT LIBERTY, TEXAS TxDOT CSJ NO. 2120LBRTY PROJECT NAME:	TAXIWAY RECONSTRUCTION PLAN AND PROFILE 2	ADDENDUM 1	9/14/22
		DESIGNED BY:				
		NM				
		LATEST REVISION:				
		09/14/2022				
		KSA JOB NO:				
		LIB013				
		PROJECT NAME:				
		LIB013 - AIRFIELD PAVEMENT REHABILITATION PROJECT - LIBERTY MUNICIPAL AIRPORT - LIBERTY, TEXAS				
		DATE				
SEAL: TBPE Firm Registration No. F-1356		SHEET NO.		C12		

TECHNICAL SPECIFICATIONS



LIBERTY MUNICIPAL AIRPORT AIRFIELD PAVEMENT REHABILITATION PROJECT

TxDOT CSJ No. 2220LBRTY
KSA Project No. LIB.013

ISSUED FOR BID



Prepared by:



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REVISED PER ADDENDUM NO.1

Item C-100 Contractor Quality Control Program (CQCP)

100-1 General. Quality is more than test results. Quality is the combination of proper materials, testing, workmanship, equipment, inspection, and documentation of the project. Establishing and maintaining a culture of quality is key to achieving a quality project. The Contractor shall establish, provide, and maintain an effective Contractor Quality Control Program (CQCP) that details the methods and procedures that will be taken to assure that all materials and completed construction required by this contract conform to contract plans, technical specifications and other requirements, whether manufactured by the Contractor, or procured from subcontractors or vendors. Although guidelines are established and certain minimum requirements are specified here and elsewhere in the contract technical specifications, the Contractor shall assume full responsibility for accomplishing the stated purpose.

The Contractor shall establish a CQCP that will:

- a. Provide qualified personnel to develop and implement the CQCP.
- b. Provide for the production of acceptable quality materials.
- c. Provide sufficient information to assure that the specification requirements can be met.
- d. Document the CQCP process.

The Contractor shall not begin any construction or production of materials to be incorporated into the completed work until the CQCP has been reviewed and approved by the **Engineer Resident Project Representative (RPR)**. No partial payment will be made for materials subject to specific quality control (QC) requirements until the CQCP has been reviewed and approved.

The QC requirements contained in this section and elsewhere in the contract technical specifications are in addition to and separate from the quality assurance (QA) testing requirements. QA testing requirements are the responsibility of the **Engineer**, RPR or Contractor as specified in the specifications.

A Quality Control (QC)/Quality Assurance (QA) workshop with the Engineer, Resident Project Representative (RPR), Contractor, subcontractors, testing laboratories, and Owner's representative must be held prior to start of construction. The QC/QA workshop will be facilitated by the Contractor. The Contractor shall coordinate with the Airport and the **Engineer RPR** on time and location of the QC/QA workshop. Items to be addressed, at a minimum, will include:

- a. Review of the CQCP including submittals, QC Testing, Action & Suspension Limits for Production, Corrective Action Plans, Distribution of QC reports, and Control Charts.
- b. Discussion of the QA program.
- c. Discussion of the QC and QA Organization and authority including coordination and information exchange between QC and QA.
- d. Establish regular meetings to discuss control of materials, methods and testing.
- e. Establishment of the overall QC culture.

100-2 Description of program.

a. General description. The Contractor shall establish a CQCP to perform QC inspection and testing of all items of work required by the technical specifications, including those performed by subcontractors. The CQCP shall ensure conformance to applicable specifications and plans with respect to materials, off-

site fabrication, workmanship, construction, finish, and functional performance. The CQCP shall be effective for control of all construction work performed under this Contract and shall specifically include surveillance and tests required by the technical specifications, in addition to other requirements of this section and any other activities deemed necessary by the Contractor to establish an effective level of QC.

b. Contractor Quality Control Program (CQCP). The Contractor shall describe the CQCP in a written document that shall be reviewed and approved by the **Engineer RPR** prior to the start of any production, construction, or off-site fabrication. **The written CQCP shall be submitted to the Engineer for review and approval within 10 calendar days before the CQCP Workshop. The Contractor's CQCP and QC testing laboratory must be approved in writing by the Engineer prior to the start of work items included in the CQCP (earthwork, base, stabilized base, paving, etc.).**

The CQCP shall be organized to address, as a minimum, the following:

- (1) QC organization and resumes of key staff
- (2) Project progress schedule
- (3) Submittals schedule
- (4) Inspection requirements
- (5) QC testing plan
- (6) Documentation of QC activities and distribution of QC reports
- (7) Requirements for corrective action when QC and/or QA acceptance criteria are not met

(8) Material quality and construction means and methods. Address all elements applicable to the project that affect the quality of the pavement structure including subgrade, subbase, base, and surface course. Some elements that must be addressed include, but is not limited to mix design, aggregate grading, stockpile management, mixing and transporting, placing and finishing, quality control testing and inspection, smoothness, laydown plan, equipment, and temperature management plan.

The Contractor must add any additional elements to the CQCP that is necessary to adequately control all production and/or construction processes required by this contract.

100-3 CQCP organization. The CQCP shall be implemented by the establishment of a QC organization. An organizational chart shall be developed to show all QC personnel, their authority, and how these personnel integrate with other management/production and construction functions and personnel.

The organizational chart shall identify all QC staff by name and function, and shall indicate the total staff required to implement all elements of the CQCP, including inspection and testing for each item of work. If necessary, different technicians can be used for specific inspection and testing functions for different items of work. If an outside organization or independent testing laboratory is used for implementation of all or part of the CQCP, the personnel assigned shall be subject to the qualification requirements of paragraphs 100-03a and 100-03b. The organizational chart shall indicate which personnel are Contractor employees and which are provided by an outside organization.

The QC organization shall, as a minimum, consist of the following personnel:

a. Program Administrator. The Contractor Quality Control Program Administrator (CQCPA) must be a full-time [on-site] employee of the Contractor, or a consultant engaged by the Contractor. The CQCPA must have a minimum of five (5) years of experience in QC pavement construction with prior QC experience on a project of comparable size and scope as the contract.

Included in the five (5) years of paving/QC experience, the CQCPA must meet at least one of the following requirements:

- (1) Professional Engineer with one (1) year of airport paving experience.

(2) Engineer-in-training with two (2) years of airport paving experience.

(3) National Institute for Certification in Engineering Technologies (NICET) Civil Engineering Technology Level IV with three (3) years of airport paving experience.

(4) An individual with four (4) years of airport paving experience, with a Bachelor of Science Degree in Civil Engineering, Civil Engineering Technology or Construction.

The CQCPA must have full authority to institute any and all actions necessary for the successful implementation of the CQCP to ensure compliance with the contract plans and technical specifications. The CQCPA authority must include the ability to immediately stop production until materials and/or processes are in compliance with contract specifications. The CQCPA must report directly to a principal officer of the construction firm. The CQCPA may supervise the Quality Control Program on more than one project provided that person can be at the job site within two (2) hours after being notified of a problem.

b. QC technicians. A sufficient number of QC technicians necessary to adequately implement the CQCP must be provided. These personnel must be either Engineers, engineering technicians, or experienced craftsman with qualifications in the appropriate field equivalent to NICET Level II in Civil Engineering Technology or higher, and shall have a minimum of two (2) years of experience in their area of expertise.

The QC technicians must report directly to the CQCPA and shall perform the following functions:

(1) Inspection of all materials, construction, plant, and equipment for conformance to the technical specifications, and as required by paragraph 100-6.

(2) Performance of all QC tests as required by the technical specifications and paragraph 100-8.

(3) Performance of tests for the **Engineer and** RPR when required by the technical specifications.

Certification at an equivalent level of qualification and experience by a state or nationally recognized organization will be acceptable in lieu of NICET certification.

c. Staffing levels. The Contractor shall provide sufficient qualified QC personnel to monitor each work activity at all times. Where material is being produced in a plant for incorporation into the work, separate plant and field technicians shall be provided at each plant and field placement location. The scheduling and coordinating of all inspection and testing must match the type and pace of work activity. The CQCP shall state where different technicians will be required for different work elements.

100-4 Project progress schedule. Critical QC activities must be shown on the project schedule as required by Section 80, paragraph 80-03, *Execution and Progress*.

100-5 Submittals schedule. The Contractor shall submit a detailed listing of all submittals (for example, mix designs, material certifications) and shop drawings required by the technical specifications. The listing can be developed in a spreadsheet format and shall include as a minimum:

- a. Specification item number
- b. Item description
- c. Description of submittal
- d. Specification paragraph requiring submittal
- e. Scheduled date of submittal

100-6 Inspection requirements. QC inspection functions shall be organized to provide inspections for all definable features of work, as detailed below. All inspections shall be documented by the Contractor as specified by paragraph 100-9.

Inspections shall be performed as needed to ensure continuing compliance with contract requirements until completion of the particular feature of work. Inspections shall include the following minimum requirements:

a. During plant operation for material production, QC test results and periodic inspections shall be used to ensure the quality of aggregates and other mix components, and to adjust and control mix proportioning to meet the approved mix design and other requirements of the technical specifications. All equipment used in proportioning and mixing shall be inspected to ensure its proper operating condition. The CQCP shall detail how these and other QC functions will be accomplished and used.

b. During field operations, QC test results and periodic inspections shall be used to ensure the quality of all materials and workmanship. All equipment used in placing, finishing, and compacting shall be inspected to ensure its proper operating condition and to ensure that all such operations are in conformance to the technical specifications and are within the plan dimensions, lines, grades, and tolerances specified. The CQCP shall document how these and other QC functions will be accomplished and used.

100-7 Contractor QC testing facility.

a. For projects that include Item **Tx341**, the Contractor shall ensure facilities, including all necessary equipment, materials, and current reference standards, are provided that meet requirements in the following paragraphs of ASTM D3666, *Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials*:

- 8.1.3 Equipment Calibration and Checks;
- 8.1.9 Equipment Calibration, Standardization, and Check Records;
- 8.1.12 Test Methods and Procedures

~~b. For projects that include P-501, the Contractor shall ensure facilities, including all necessary equipment, materials, and current reference standards, are provided that meet requirements in the following paragraphs of ASTM C1077, *Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation*:~~

- ~~• 7 Test Methods and Procedures~~
- ~~• 8 Facilities, Equipment, and Supplemental Procedures~~

100-8 QC testing plan. As a part of the overall CQCP, the Contractor shall implement a QC testing plan, as required by the technical specifications. The testing plan shall include the minimum tests and test frequencies required by each technical specification Item, as well as any additional QC tests that the Contractor deems necessary to adequately control production and/or construction processes.

The QC testing plan can be developed in a spreadsheet fashion and shall, as a minimum, include the following:

- a. Specification item number (e.g., P-152, P-153, P-608, Tx247, Tx260, Tx302, Tx316 and Tx341)
- b. Item description (e.g., Hot Mix Asphalt Pavements)
- c. Test type (e.g., gradation, grade, asphalt content)
- d. Test standard (e.g., ASTM or American Association of State Highway and Transportation Officials (AASHTO) test number, as applicable)
- e. Test frequency (e.g., as required by technical specifications or minimum frequency when requirements are not stated)
- f. Responsibility (e.g., plant technician)
- g. Control requirements (e.g., target, permissible deviations)

The QC testing plan shall contain a statistically-based procedure of random sampling for acquiring test samples in accordance with ASTM D3665. The **Engineer and** RPR shall be provided the opportunity to witness QC sampling and testing.

All QC test results shall be documented by the Contractor as required by paragraph 100-9.

100-9 Documentation. The Contractor shall maintain current QC records of all inspections and tests performed. These records shall include factual evidence that the required QC inspections or tests have been performed, including type and number of inspections or tests involved; results of inspections or tests; nature of defects, deviations, causes for rejection, etc.; proposed remedial action; and corrective actions taken.

These records must cover both conforming and defective or deficient features, and must include a statement that all supplies and materials incorporated in the work are in full compliance with the terms of the contract. Legible copies of these records shall be furnished to the **Engineer and** RPR daily. The records shall cover all work placed subsequent to the previously furnished records and shall be verified and signed by the CQCPA.

Contractor QC records required for the contract shall include, but are not necessarily limited to, the following records:

a. Daily inspection reports. Each Contractor QC technician shall maintain a daily log of all inspections performed for both Contractor and subcontractor operations. These technician's daily reports shall provide factual evidence that continuous QC inspections have been performed and shall, as a minimum, include the following:

- (1) Technical specification item number and description
- (2) Compliance with approved submittals
- (3) Proper storage of materials and equipment
- (4) Proper operation of all equipment
- (5) Adherence to plans and technical specifications
- (6) Summary of any necessary corrective actions
- (7) Safety inspection.
- (8) Photographs and/or video

The daily inspection reports shall identify all QC inspections and QC tests conducted, results of inspections, location and nature of defects found, causes for rejection, and remedial or corrective actions taken or proposed.

The daily inspection reports shall be signed by the responsible QC technician and the CQCPA. The **Engineer and** RPR shall be provided at least one copy of each daily inspection report on the work day following the day of record. When QC inspection and test results are recorded and transmitted electronically, the results must be archived.

b. Daily test reports. The Contractor shall be responsible for establishing a system that will record all QC test results. Daily test reports shall document the following information:

- (1) Technical specification item number and description
- (2) Test designation
- (3) Location
- (4) Date of test
- (5) Control requirements
- (6) Test results
- (7) Causes for rejection

(8) Recommended remedial actions

(9) Retests

Test results from each day's work period shall be submitted to the **Engineer and** RPR prior to the start of the next day's work period. When required by the technical specifications, the Contractor shall maintain statistical QC charts. When QC daily test results are recorded and transmitted electronically, the results must be archived.

100-10 Corrective action requirements. The CQCP shall indicate the appropriate action to be taken when a process is deemed, or believed, to be out of control (out of tolerance) and detail what action will be taken to bring the process into control. The requirements for corrective action shall include both general requirements for operation of the CQCP as a whole, and for individual items of work contained in the technical specifications.

The CQCP shall detail how the results of QC inspections and tests will be used for determining the need for corrective action and shall contain clear rules to gauge when a process is out of control and the type of correction to be taken to regain process control.

When applicable or required by the technical specifications, the Contractor shall establish and use statistical QC charts for individual QC tests. The requirements for corrective action shall be linked to the control charts.

100-11 Inspection and/or observations by the Engineer and RPR. All items of material and equipment are subject to inspection and/or observation by the **Engineer and** RPR at the point of production, manufacture or shipment to determine if the Contractor, producer, manufacturer or shipper maintains an adequate QC system in conformance with the requirements detailed here and the applicable technical specifications and plans. In addition, all items of materials, equipment and work in place shall be subject to inspection and/or observation by the **Engineer and** RPR at the site for the same purpose.

Inspection and/or observations by the **Engineer and** RPR does not relieve the Contractor of performing QC inspections of either on-site or off-site Contractor's or subcontractor's work.

100-12 Noncompliance.

a. The **Engineer Resident Project Representative (RPR)** will provide written notice to the Contractor of any noncompliance with their CQCP. After receipt of such notice, the Contractor must take corrective action.

b. When QC activities do not comply with either the CQCP or the contract provisions or when the Contractor fails to properly operate and maintain an effective CQCP, and no effective corrective actions have been taken after notification of non-compliance, the **Engineer RPR** will recommend the Owner take the following actions:

(1) Order the Contractor to replace ineffective or unqualified QC personnel or subcontractors and/or

(2) Order the Contractor to stop operations until appropriate corrective actions are taken.

METHOD OF MEASUREMENT

100-13 Basis of measurement and payment. ~~{Not Used}~~ [Contractor Quality Control Program (CQCP) is for the personnel, tests, facilities and documentation required to implement the CQCP. The CQCP will be paid as a lump sum with the following schedule of partial payments:]

a. With first pay request, 25% with approval of CQCP and completion of the Quality Control (QC)/Quality Assurance (QA) workshop.

- b. When 25% or more of the original contract is earned, an additional 25%.
- c. When 50% or more of the original contract is earned, an additional 20%.
- d. When 75% or more of the original contract is earned, an additional 20%
- e. After final inspection and acceptance of project, the final 10%.

BASIS OF PAYMENT

100-14 Payment will be made under:

Item C-100-14.1	Contractor Quality Control Program	Per Lump Sum
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REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

National Institute for Certification in Engineering Technologies (NICET)

ASTM International (ASTM)

ASTM C1077	Standard Practice for Agencies Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Testing Agency Evaluation
ASTM D3665	Standard Practice for Random Sampling of Construction Materials
ASTM D3666	Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials

END OF ITEM C-100

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Contractor Questions Addendum No. 1

To: All Plan Holders

Project: Airfield Pavement Rehabilitation Project

Airport: Liberty Municipal Airport

KSA Project No.: LIB.013

Date: Wednesday, September 14, 2022

Client Project No.: TxDOT CSJ No. 2220LBRTY

1. Question: There's a DBE goal for this project, due to specialty items of work on this project and limited availability of DBE vendors who are certified for this specialty work. It will be tough to achieve the DBE goal, if we demonstrate a good effort in contacting DBE vendors but do not receive confirmation from DBE vendors would this be a valuable justification if the goal is not met?

TxDOT Response: Even if you don't get DBE responses, we will evaluate your communication attempts as Good Faith Efforts (GFE). Please provide all communication efforts, including multiple attempts, such as email, faxes and/or a phone log. This, along with all other efforts will be taken into consideration in the GFE review.

2. Question: Reviewing the contract docs, there are test strip specifications on the chip seal and asphalt overlay. Would the test strips be only a certain area, size or qty? Is the test strip subsidiary to various bid items? To confirm no test strip for lime stabilization and the 6" crushed agg. Base?

KSA Response: For the one course surface treatment installation, The Tx316 specification, section 4.8.4 requires a test strip. There is no separate payment for the test strip, the test strip would be subsidiary to the pay items associated with the 1 course surface treatment. The minimum test strip would be 2 lanes wide and 300 feet in length.

For the asphalt installation the test strip would be 2 lanes wide and 300 feet in length. There is no separate payment for the test strip, the test strip would be subsidiary to the pay items associated with the asphalt.

The emulsified asphalt seal coat material (P-608) also requires a control strip. There will be no separate payment for the control strip. There is no separate payment for the control strip, the control strip would be subsidiary to the pay items associated with the emulsified asphalt seal coat.

There are not required test strips for the lime stabilized subgrade (Tx260), or the flexible base course (Tx247).

3. Question: The PVC underdrain pipe that is shown in the typical sections according to sheet C18 it should be located in the plan & profile. I could have missed the location. I am not seeing the proposed limits of the PVC pipe or the elevation where it needs to be?

KSA Response: Refer to revised sheets C11 and C12 included with this addendum.

4. Question: Will there be a specific location for the field office?

KSA Response: The field office will need to be located within the contractor's staging area. Refer to the C-105 specification for requirements for the Engineer/RPR field office.

5. Question: The P608 Emulsified Asphalt Seal Coat Surface Treatment. Based on your P 608 specs in the contract docs, there is a specific application rate for the emulsion and rock. Comparing this to the TxDOT 316 spec there is a list approve materials that can be used. I could have missed it but the P 608 spec, does not show any approved materials. Do you have specific materials or specific emulsions mixture required for this item of work?

KSA Response: The emulsified asphalt seal coat surface treatment material shall meet the material requirements associated with P-608-2.2. The Tx316 specification is not applicable as it relates to the emulsified asphalt seal coat surface treatment installation.

6. Question: Looking at the typical sections for the taxiway reconstruction portion and pavement drop-off detail, embankment material is necessary. Is the embankment material subsidiary to various bid items? Was not able to find an item of work in the bid form?

KSA Response: There is no direct payment for embankment material. Refer to section P-152-2.8, and Tx134, Section 5.

7. Question: Is water available on site. If so, would the water be free from the City?

KSA Response: Yes, there are fire hydrants located onsite along the airport access drive. Contractor would need to obtain a hydrant meter and pay any fees associated with obtaining the meter from the City.

8. Question: Does the City want any excess excavated material or asphalt?

KSA Response: No. Per the applicable bid items/specifications, excess material shall be removed from the Airport property.

9. Question: Are the outfalls/headwalls for the underdrains paid for separately or are they subsidiary to the linear footage associated with the underdrains.

KSA Response: The outfalls/headwalls for the underdrains will not be paid for separately but are subsidiary to the linear footage associated with the underdrains pay item.



Pre-Bid Meeting Minutes

Airport: Liberty Municipal Airport

Organizer: Nathan Mikell

Date: Tuesday, August 30, 2022 @ 10:00 AM

KSA Project No.: LIB.013

Project: Airfield Pavement Rehabilitation Project

TxDOT CSJ No.: 2220LBRTY

I. **Sign In Sheet**

II. **Introductions and Roles**

- A. Chris Jarmon, Assistant City Manager, City of Liberty
- B. Robert Johnson, P.E., Project Manager, TxDOT Aviation
- C. Bob Thurber, P.E., Senior Project Manager, KSA
- D. Nathan Mikell, P.E., Project Manager, KSA

III. **Bidding Procedures**

- A. See Notice to Bidders and Instructions to Bidders section in Contract Documents for bidding information.
- B. All bidders are encouraged to review all contract documents including Mandatory Federal Contract Provisions, TxDOT General Provisions, Special Provisions, and Specifications.
- C. Technical questions/comments shall be submitted to Nathan Mikell nmikell@ksaeng.com and Bob Thurber bthurber@ksaeng.com by Tuesday, September 13, 2022, at 12:00 PM. **Questions must be in writing** and received prior to date/time mentioned. Questions received after the aforementioned date/time will not be answered or responded to.
- D. For other information visit the TxDOT Aviation website or call Dawn Denson at 512-416-4526.
- E. Sealed bids for the construction of airport improvements at the Liberty Municipal Airport are due to be addressed and delivered to Ms. April Gilliland, City Secretary.

Courier/Hand Delivery

Ms. April Gilliland, City Secretary
City of Liberty, City Hall
1829 Sam Houston Street
Liberty, Texas 77575

- F. **All bids must be received by 2:00 PM, September 21, 2022.** Then bids will be publicly opened and read. Any bid received after closing time will be returned unopened.
- G. Bid Form
 - 1. Bidders must utilize the bid proposal form provided on TxDOT's website.
 - 2. Bidders must provide pricing for the Base Bid and all Alternates. The contract award will be based on the lowest qualified bid plus any combinations of alternates.
 - 3. All blanks in the bid form filled in electronically.

4. Addenda acknowledged. Handwritten acknowledgement of addenda, in excess of 3, is required.
5. Bid form signed, original in ink.
6. Bid form qualifications acknowledged and signed or prequalification letter enclosed.

H. Bidder Responsiveness Checklist

1. Meet all requirements associated with the bid form
2. 2% Bid Bond included with bid
3. Within 5 calendar days from the bid opening date/time, submit DBE plan and commitment agreements to AVNRFQ@txdot.gov.
4. If DBE plan is not submitted with your bid, and even if you are not the apparent low bidder we recommend to still submit your DBE plan.

I. Bidder shall reference the Aviation Division General Construction Contract Provisions.

1. <http://txdot.gov/inside-txdot/division/aviation/general-provisions.html>

J. Questions regarding the period of time in which TxDOT will award the project, or the period of time that the contractor shall hold their bid prices from submission of their bid shall be directed to TxDOT.

K. Federally funded project

1. Due to this being a federally funded project, there is a DBE goal associated with it. Questions regarding DBE Goal percentage and Good Faith Efforts should be directed to Dawn Denson at 512-416-4526, or Eli Lopez, DBE/HUB Coordinator at 512-416-4506 and Eli.Lopez@txdot.gov.
2. The Disadvantage Business Enterprise (DBE) Goal is **6%**. In accordance with 49 CFR Part 26.53 the bidder/offeror must submit an acceptable DBE plan and commitment or good faith effort no later than 5 calendar days after bid opening as a matter of responsibility.
3. For all federally funded construction projects with a DBE goal, bidders shall submit a DBE participation plan and appropriate commitment agreement form/s and submit these documents to TxDOT Aviation within 5 calendar days bid openings via email to AVNRFQ@txdot.gov, if the DBE plan is not submitted with your bid.
4. Wage rate requirements will be required as shown in the Contract Documents.
5. Buy American – Steel and Manufactured Products for Construction Contracts (See Special Notice to Bidders).

L. Bidders List

1. To be placed on the Bidders List for this project, please send an email that includes the TxDOT CSJ No. for this project (2220LBRTY), your company name, mailing address, and your phone & fax number to AVNRFQ@txdot.gov.

IV. **Scope of Work**

A. Base Bid:

1. Install 2" HMAC (Tx341, Type D) Overlay on Runway 16-34.

2. Install 2" HMAC (Tx341, Type D) Overlay on Section of Existing Parallel Taxiway and One Runway Connector Taxiway.
 3. Reconstruct Section of Existing Parallel Taxiway and Two Runway Connector Taxiways (Proposed Pavement Section 3" HMAC (TxDOT 341, Type D), 6" Crushed Aggregate Base Course (TxDOT 247, Type A, Grade 1 or 2), and 8" Lime Stabilized Subgrade @ 6% Lime (TxDOT 260).
 4. Install Pavement Markings.
- B. Additive Alternate No. 1 – Apron and Hangar Access Taxilane Pavement Rehabilitation
1. Route, Clean and Seal Cracks
 2. Install Emulsified Asphalt Seal Coat Surface Treatment (P-608)
 3. Intall Pavement Markings.
- V. **Site Access / Staging Areas**
- A. Site Access and Staging Area
1. Contractor staging and storage area shall be at the location shown on the phasing plan in the plan set. (Sheet C03)
- VI. **Safety and Phasing Plan**
- A. Contractor will be required to be in compliance with FAA Advisory Circular 150/5370-2G, Operational Safety on Airports during Construction.
- B. Contractor will prepare a Safety Plan Compliance Document (SPCD) that outlines how they intend to comply with the established Construction Safety and Phasing Plan requirements.
- VII. **Other Information**
- A. Contract Time
1. 150 **Calendar** Days for the Base Bid.
 2. No additional contract time will be added if Additive Alternate No. 1 is awarded.
 3. Liquidated Damages are \$1,000 per calendar day beyond contract time.
- B. RPR Office (Reference C-105 Specification)
- C. Materials Acceptance by Owner / Materials Quality Control by Contractor (Reference C-100 Specification/Contractor Quality Control Program)
- D. Protection of any existing utilities in the project area is the responsibility of the Contractor. Engineer has endeavored to show all known utilities within the Contract documents, but this shall not relieve the Contractor from full responsibility in anticipating all underground obstructions, whether or not shown on the plans. Contractor should call for utility locates and verify locations of all utilities prior to starting construction.
- E. SW3P – Contractor's Responsibility

F. Engineer's Construction Estimate

2. Additive Alternate No. 1 = \$107,500

TOTAL Base Bid plus Alt 1 = \$3,052,950

Notes:

The Airport Manager, Phil Robertson at 281-660-2337.

2. TxDOT intends to award the contract within 60 calendar days from the bid opening.

Airfield Pavement Rehabilitation Project, Liberty Municipal Airport
Pre-Bid Meeting

Tuesday, August 30, 2022
10:00 AM

PLEASE SIGN IN:

<u>NAME:</u>	<u>COMPANY:</u>	<u>E-MAIL:</u>
Ross Moonaw	Gulf Coast	rmoonaw@gc-texas.com
ADAM FOULKE	FORDE CONSTRUCTION	bids@fordeconst.com
JEFFREY Buxton	Atlas Technical Consultants	jeffrey.buxton@oneatlas.com
Ken Kensington	MASON Const	Kensington@masonconstruction.net
Bob Thurber	KSA	bthurber@ksaeng.com
Chris Jarmon	City of Liberty	cjarmon@cityofliberty.org
Robert Johnson	TxDOT	robert.n.johnson@txdot.gov
Nathan Mikell	KSA	nmikell@ksaeng.com
Dan Erickson	Gulf Coast	derickson@gc-texas.com

Tuesday, August 30, 2022
10:00 AM

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