

ADDENDUM NO. 01

TO: All Planholders

FROM: Bijan Jamalabad, PE

PROJECT NAME: 2023ESTLD Eastland Municipal Airport Apron and Taxiway Improvements

PROJECT NO.: 01857421

DATE: September 12, 2022

Attention all Prospective Proposers/Planholders: The following are modifications to referenced Drawings and Project Manual. This Addendum becomes a part of Contract Documents and modifies original Contract Documents dated June 6, 2022, as noted herein:

This Addendum consists of Summary, Bid Form (under separate cover), FAA Specification Item P-605, Drawings, and Prebid Meeting Minutes Package.

I. CHANGE TO BID FORM

1. Remove and replace TxDOT Bid Form in its entirety. Reissued TxDOT Bid Form to show Pay Item 32: 2-30 inch reinforced concrete pipe (RCP) quantity decrease from 1170 LF to 595 LF.

II. CHANGE TO TECHNICAL SPECIFICATIONS:

1. Item P-605 Joint sealant for pavements was added to clarify the types of joint sealant that is to be used on the project. This item will be subsidiary to Concrete Pavement.

III. CHANGE TO DRAWINGS:

1. Remove and replace Drawing G-002 in its entirety. G-002 Reissued to show Pay Item 32: 2-30 inch reinforced concrete pipe (RCP) quantity decrease from 1170 LF to 595 LF.
2. Remove and replace Drawing C-102 in its entirety. C-102 reissued to include a point table to show tangent points and corner points along the perimeter of the proposed pavement edge.
3. Remove and replace Drawing C-103 in its entirety. C-103 re-issued to include grading around the taxiway and infill as well as shows the new length of Pipe A.
4. Remove and replace Drawing C-107 in its entirety. C-107 reissued to include the grading and location of the flowline for Pipe A under the apron.
5. Remove and replace Drawing C-108 in its entirety. C-108 reissued to include the grading and location of the flowline for Pipe B under the apron.
6. Remove and replace Drawing C-109 in its entirety. C-109 reissued to include the grading and location of the flowline for Pipe C under the taxiway.
7. Remove and replace Drawing C-501 in its entirety. C-501 reissued to include new details to show transition from concrete pavement to asphalt pavement (A4), a detail for construction joint (C2), and a detail for contraction joint (C3).

IV. OTHER:

1. Add Prebid Meeting Minutes and Attendance Sheet in their entirety.

END OF ADDENDUM NO. 01



9/12/2022

Respectfully submitted,

PARKHILL

By: 

***Bidder shall acknowledge receipt of this addendum below and on Bid Proposal.
Attach entire addendum to Bid Proposal submission.***

ACKNOWLEDGED:

By: _____

Item P-605 Joint Sealants for Pavements

DESCRIPTION

605-1.1 This item shall consist of providing and installing a resilient and adhesive joint sealing material capable of effectively sealing joints in pavement; joints between different types of pavements; and cracks in existing pavement.

MATERIALS

605-2.1 Joint sealants. Joint sealant materials shall meet the requirements of:

- a) ASTM D5893, Standard Specifications for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements -or- ASTM D7116 Standard Specification for Joint Sealants, Hot Applied, Jet Fuel Resistant Types for Portland Cement Concrete Pavements and Asphalt Pavements.
- b) ASTM D6690, Standard Specification for Joint and Crack Sealants, Hot Applied, for ~~Concrete and~~ Asphalt Pavements.

Each lot or batch of sealant shall be delivered to the jobsite in the manufacturer's original sealed container. Each container shall be marked with manufacturer's name, batch or lot number, safe heating temperature, and shall be accompanied by manufacturer certification stating sealant meets specification requirements.

605-2.2 Backer rod. Material furnished shall be a compressible, nonshrinking, nonstaining, nonabsorbing material that is non-reactive with the joint sealant in accordance with ASTM D5249. Backer-rod material shall be 25% \pm 5% larger in diameter than nominal width of joint.

605-2.3 Bond breaking tapes. Provide a bond-breaking tape or separating material that is a flexible, nonshrinkable, nonabsorbing, nonstaining, and nonreacting adhesive-backed tape. Material shall have a melting point at least 5°F (~~3°C~~) greater than the pouring temperature of the sealant being used when tested in accordance with ASTM D789. The bond breaker tape shall be approximately 1/8 inch (~~3 mm~~) wider than the nominal width of the joint and shall not bond to the joint sealant.

CONSTRUCTION METHODS

605-3.1 Time of application. Joints shall be sealed as soon after completion of the curing period as feasible and before the pavement is opened to traffic, including construction equipment. The pavement temperature shall be 50°F (~~40°C~~) and rising at the time of application of the poured joint sealing material. Do not apply sealant if moisture is observed in the joint.

605-3.2 Equipment. Machines, tools, and equipment used in the performance of the work required by this section shall be approved before the work is started and maintained in satisfactory condition at all times. Submit a list of proposed equipment to be used in performance of construction work including descriptive data, ~~1-30~~ 30 days prior to use on the project.

{a. Tractor-mounted routing tool. Provide a routing tool, used for removing old sealant from the joints, of such shape and dimensions and so mounted on the tractor that it will not damage the sides of the joints. The tool shall be designed so that it can be adjusted to remove the old material to varying depths as

required. The use of V-shaped tools or rotary impact routing devices will not be permitted. Hand-operated spindle routing devices may be used to clean and enlarge random cracks.

b. Concrete saw. Provide a self-propelled power saw, with water-cooled diamond or abrasive saw blades, for cutting joints to the depths and widths specified.

c. Sandblasting equipment. ~~[Not allowed.]~~ [Contractor must demonstrate sandblasting equipment including the air compressor, hose, guide, and nozzle size, under job conditions, before approval in accordance with paragraph 605-3.3. Contractor shall demonstrate, in the presence of Resident Project Representative (RPR), that the method cleans the joint and does not damage the joint.]

d. Waterblasting equipment. Contractor must demonstrate waterblasting equipment including the pumps, hose, guide, and nozzle size, under job conditions, before approval in accordance with paragraph 605-3.3. Contractor shall demonstrate, in the presence of RPR, that the method cleans the joint and does not damage the joint.

e. Hand tools. Hand tools may be used, when approved, for removing defective sealant from a crack and repairing or cleaning the crack faces. Hand tools should be carefully evaluated for potential spalling effects prior to approval for use.

f. Hot-poured sealing equipment. The unit applicators used for heating and installing ASTM D6690 joint sealant materials shall be mobile and shall be equipped with a double-boiler, agitator-type kettle with an oil medium in the outer space for heat transfer; a direct-connected pressure-type extruding device with a nozzle shaped for inserting in the joint to be filled; positive temperature devices for controlling the temperature of the transfer oil and sealant; and a recording type thermometer for indicating the temperature of the sealant. The applicator unit shall be designed so that the sealant will circulate through the delivery hose and return to the inner kettle when not in use.

g. Cold-applied, single-component sealing equipment. The equipment for installing ASTM D5893 single component joint sealants shall consist of an extrusion pump, air compressor, following plate, hoses, and nozzle for transferring the sealant from the storage container into the joint opening. The dimension of the nozzle shall be such that the tip of the nozzle will extend into the joint to allow sealing from the bottom of the joint to the top. Maintain the initially approved equipment in good working condition, serviced in accordance with the supplier's instructions, and unaltered in any way without obtaining prior approval. Small hand-held air-powered equipment (i.e., caulking guns) may be used for small applications.]

605-3.3 Preparation of joints. Pavement joints for application of material in this specification must be dry, clean of all scale, dirt, dust, curing compound, and other foreign matter. Contractor shall demonstrate, in the presence of RPR, that the method cleans the joint and does not damage the joint.

a. Sawing. All joints shall be sawed in accordance with specifications and plan details. Immediately after sawing the joint, the resulting slurry shall be completely removed from joint and adjacent area by flushing with a jet of water, and by use of other tools as necessary.

b. Sealing. Immediately before sealing, the joints shall be thoroughly cleaned of all remaining laitance, curing compound, filler, protrusions of hardened concrete, old sealant and other foreign material from the sides and upper edges of the joint space to be sealed. Cleaning shall be accomplished by ~~[sandblasting,]~~ ~~[tractor-mounted routing equipment,]~~ ~~[concrete saw, or]~~ ~~[waterblaster]~~ as specified in paragraph 605-3.2. The newly exposed concrete joint faces and the pavement surface extending a minimum of 1/2 inch ~~(42 mm)~~ from the joint edge shall be sandblasted clean. Sandblasting shall be accomplished in a minimum of two passes. One pass per joint face with the nozzle held at an angle directly toward the joint face and not more than 3 inches ~~(75 mm)~~ from it. After final cleaning and immediately prior to sealing, blow out the joints with compressed air and leave them completely free of debris and water. The joint faces shall be surface dry when the seal is applied.

Sandblasting only permitted when aircraft not in immediate area. Blast so sand is not widely scattered and wind conditions are favorable. Contractor must always have a vacuum truck and other cleaning equipment onsite to keep area free of debris from sandblasting operations.

c. Backer Rod. When the joint opening is of a greater depth than indicated for the sealant depth, plug or seal off the lower portion of the joint opening using a backer rod in accordance with paragraph 605-2.2 to prevent the entrance of the sealant below the specified depth. Take care to ensure that the backer rod is placed at the specified depth and is not stretched or twisted during installation.

d. Bond-breaking tape. Where inserts or filler materials contain bitumen, or the depth of the joint opening does not allow for the use of a backup material, insert a bond-separating tape breaker in accordance with paragraph 605-2.3 to prevent incompatibility with the filler materials and three-sided adhesion of the sealant. Securely bond the tape to the bottom of the joint opening so it will not float up into the new sealant.

605-3.4 Installation of sealants. Joints shall be inspected for proper width, depth, alignment, and preparation, and shall be approved by RPR Engineer before sealing is allowed. Sealants shall be installed in accordance with the following requirements:

Immediately preceding, but not more than 50 feet ~~(45-m)~~ ahead of the joint sealing operations, perform a final cleaning with compressed air. Fill the joints from the bottom up to ~~[1/8] [1/4] inch ([3] [6] mm)~~ $\pm 1/16$ inch ~~(2-mm)~~ below the top of pavement surface; or bottom of groove for grooved pavement. Remove and discard excess or spilled sealant from the pavement by approved methods. Install the sealant in such a manner as to prevent the formation of voids and entrapped air. In no case shall gravity methods or pouring pots be used to install the sealant material. Traffic shall not be permitted over newly sealed pavement until authorized by RPREngineer. When a primer is recommended by the manufacturer, apply it evenly to the joint faces in accordance with the manufacturer's instructions. Check the joints frequently to ensure that the newly installed sealant is cured to a tack-free condition within the time specified.

605-3.5 Inspection. Contractor shall inspect the joint sealant for proper rate of cure and set, bonding to the joint walls, cohesive separation within the sealant, reversion to liquid, entrapped air, and voids. Sealants exhibiting any of these deficiencies at any time prior to the final acceptance of the project shall be removed from the joint, wasted, and replaced as specified at no additional cost to the airport.

605-3.6 Clean-up. Upon completion of the project, remove all unused materials from the site and leave the pavement in a clean condition.

METHOD OF MEASUREMENT

605-4.1 Joint sealing material, preparation, and related material for joints in Portland cement concrete pavement shall will not be measured for separate payment by the ~~[gallon (liter)] [pound (kg)] [linear foot (meter)]~~ of sealant in place, completed, and accepted.

605.4-2 Joint sealing and related material for joints between Portland cement concrete pavement and asphalt pavement will not be measured for separate payment.

BASIS OF PAYMENT

605-5.1 Payment for joint sealing sealant material between Portland cement concrete pavement and existing asphalt pavement shall be subsidiary to Concrete Pavement Construction ~~shall be made at the contract unit price per~~ ~~[gallon (liter)] [pound (kg)] [linear foot (meter)]~~. There price shall be full ~~no separate~~ compensation for furnishing all materials, ~~for~~ all preparation, delivering, placing of materials, nor for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-605-5.1	<u>Joint Sealing Filler of Joint between Portland Cement Concrete Pavement and New or Existing Asphalt Pavement, includes cleaning, sawcut, and preparing new or existing joint reservoir. No direct or separate payment shall be made for furnishing all materials, preparation, delivering and placing these materials, or for all labor, equipment, tools, or incidentals necessary to complete the item. This is incidental to other work items.</u> {per gallon (liter)} {per pound (kg)} {per linear foot (meter)}
Item P-605-5.2	<u>Joint Seal in New Concrete Pavement up to 1.5 inches, includes cleaning, sawcut, and preparing reservoir. No direct or separate payment shall be made for furnishing all materials, preparation, delivering and placing these materials, or for all labor, equipment, tools, or incidentals necessary to complete the item. This is incidental to other work items.</u>

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.

ASTM International (ASTM)

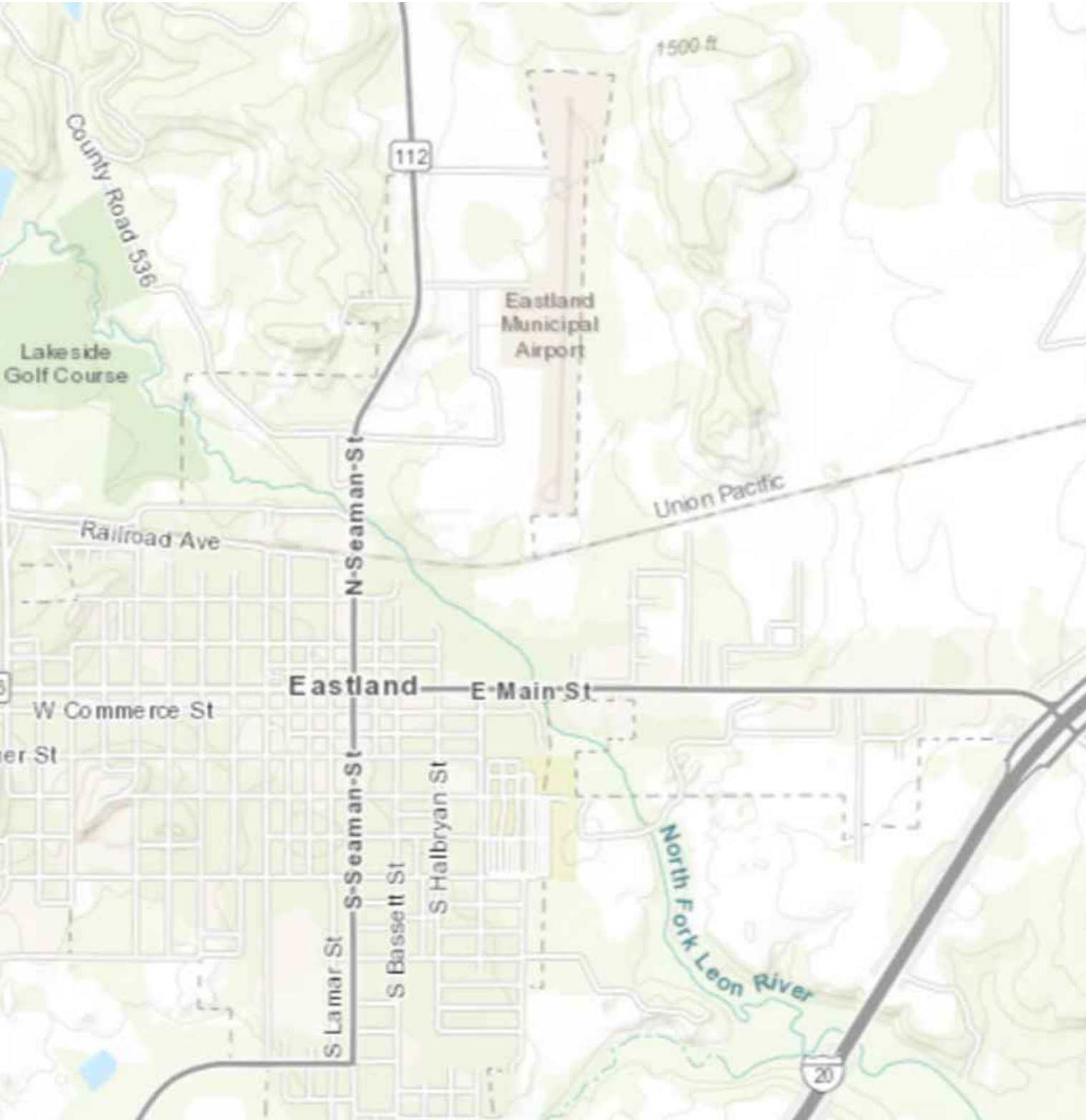
ASTM D789	Standard Test Method for Determination of Relative Viscosity of Polyamide (PA)
ASTM D5249	Standard Specification for Backer Material for Use with Cold- and Hot-Applied Joint Sealants in Portland-Cement Concrete and Asphalt Joints
{ASTM D5893	Standard Specification for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements}
{ASTM D6690	Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt}
{ASTM D7116	Standard Specification for Joint Sealants, Hot Applied, Jet Fuel Resistant Types for Portland Cement Concrete Pavements}

Advisory Circulars (AC)

AC 150/5340-30	Design and Installation Details for Airport Visual Aids
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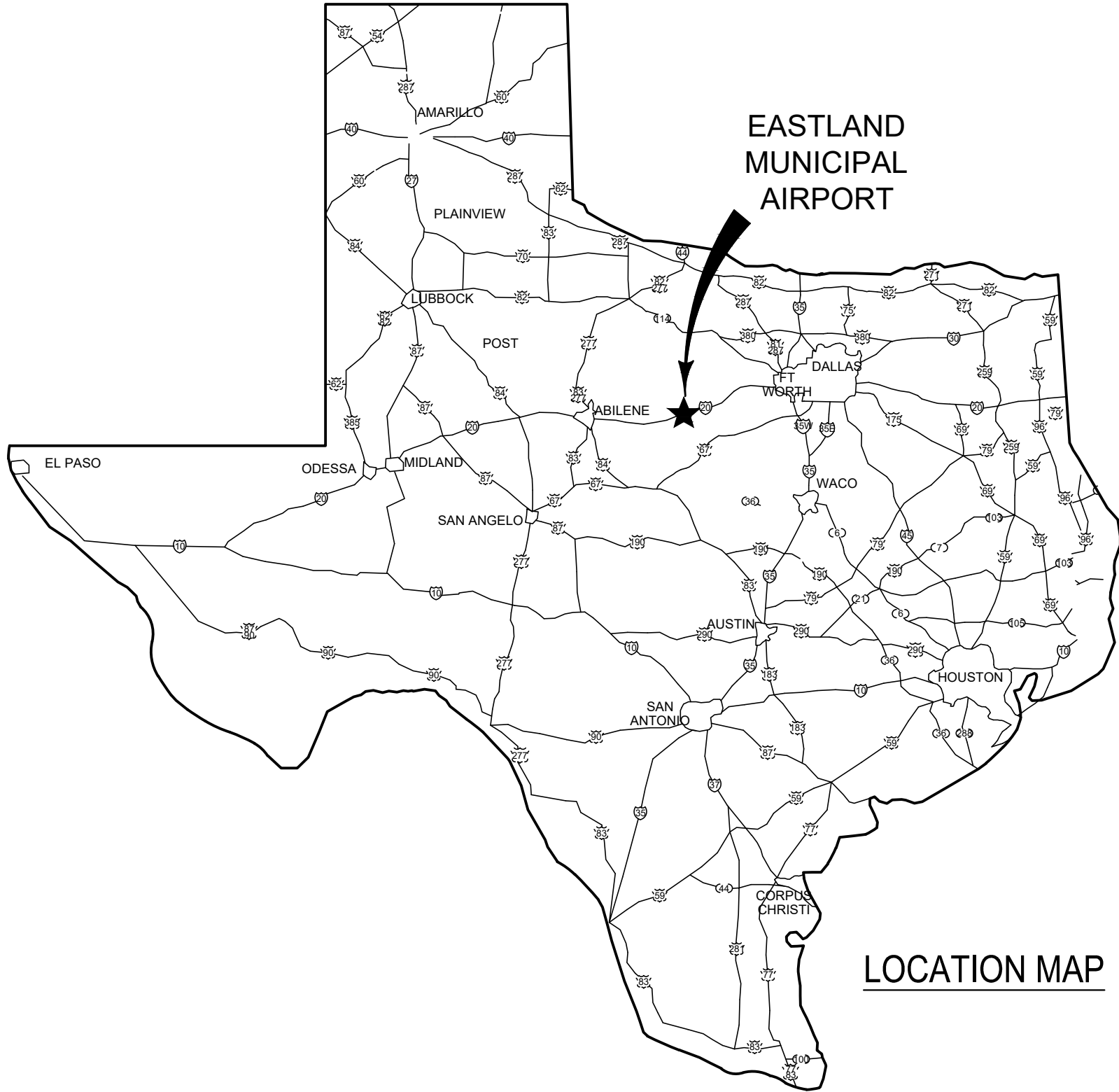
END ITEM P-605

SUMMARY OF QUANTITIES			
ITEM	DESCRIPTION	QUANTITY	UNITS
BASE BID			
1	Item C-105, Contractor Mobilization	1	LS
2	Item C-100, Contractor Quality Control Program (CQCP)	1	LS
3	Item C-102, Temporary Air and Water Pollution, Soil Erosion, and Siltation Control	1	LS
4	Item Parkhill-P-140, Temporary Barricades and Marking for Pavement Closure	1	LS
5	Item P-101, Remove Existing Pavement	1,850	SY
6	Item P-152-4.4, Excavation, Grading and Subgrade Preparation	13,900	CY
7	Item P-152-4.2, Embankment	4,640	CY
8	Item P-152-4.5, Grading in Unpaved Areas	5,020	SY
9	Item P-152-4.1, Drainage Excavation and Trenching	1,500	CY
10	Item P-155-8.1, Lime Treated Subgrade Course - 10 inch	12,700	SY
11	Item P-155-8.2, Hydrated Slurry Lime Material (6% slurry lime)	445	TON
12	TxDOT Item 247-6.1, Grade A, Crushed Aggregate Base Course (14 inch in 2-7 inch lift), (TWY/Apron Outside of RSA)	12,700	SY
13	TxDOT Item 247-6.1, Grade A, Crushed Aggregate Base Course (24 inch in 3- 8 inch lift), (TWY Inside of RSA)	630	SY
14	Item MC1-1, Furnish and Install Aircraft Tie-down Anchors, Complete	12	EA
15	Item P-602-5.1, Emulsified Asphalt Prime Coat (0.3 GAL/ SY)	3,810	GAL
16	Item P-603-5.1, Emulsified Asphalt Tack Coat (0.15 GAL/ SY)	1,910	GAL
17	Item P-620-5.2, Runway (White) and Taxiway (Yellow) Marking, Including Reflective Media	3,300	SF
18	TxDOT Item 341, Type D (4-inch thickness), Placed in 2-2 inch Lift	3,200	Ton
19	Item L-107-5.1, LED 1-B Internally Lighted, FAA Size 2 Wind Cone and Foundation, Including Removal of Existing Wind Cone and Foundation, in Place	1	EA
20	Item L-107-5.2, Segmented Circle Marker System, With Right-Hand Markers and Painting, Including Removal of Existing Segmented Circle, in Place	1	EA
21	Item L-108-5.1, Trenching, Backfill, and Compact for PVC Conduit, 24-inch Minimum Depth	400	LF
22	Item L-108-5.2, Trenching, Backfill, and Compact for PVC Conduit, 40-inch Minimum Depth	110	LF
23	Item L-108-5.3, No. 8 AWG 5kV, L-824 Type C Cable, Installed in Trench, Duct Bank or Conduit	450	LF
24	Item L-108-5.4, No. 6 AWG, Solid, Bare,Copper Ground Wire, installed above Duct Bank or Conduit Including Connections/Terminations	400	LF
25	Item L-108-5.5, No. 6 AWG, Insulated, Stranded Equipment Bonding, Installed in Duct Bank or Conduit	200	LF
26	Item L-110-5.1, Non-Encased Electrical Conduit, 2" SCH 40	450	LF
27	Item L-110-5.2, Concrete Electrical Encased Conduit, Two 4-inch SCH 80, Including Duct Markers	120	LF
28	Item L-110-5.3, Furnish & install Concrete Encased L-867 Junction box, Complete	5	EA
29	Item L-125-2, One Module, Size 1, Style 2, Internally Lighted LED Guidance Sign, Base Mounted on Concrete-Encased Can, Complete	2	EA
30	Item L-125-3, Three Module, Size 1, Style 2, Internally Lighted LED Guidance Sign, Base Mounted on Concrete-Encased Can, Complete	1	EA
31	Item L-125-4, L-853 Green Centerline Reflective Taxiway Marker Installed	18	EA
32	Item D-701-5.1, 2-30-inch Reinforced Concrete Pipe (RCP), Complete in Place	595	LF
33	Item D-701-5.1, 2-24-inch Reinforced Concrete Pipe (RCP), Complete in Place	100	LF
34	Item D-752-5.1, Concrete Reinforced Safety End Treatment, for 2-30-inch RCP Pipe, Complete in Place	4	EA
35	Item D-752-5.1, Concrete Reinforced Safety End Treatment, for 2-24-inch RCP Pipe, Complete in Place	2	EA
36	Item T-901-5.1, Seeding, Fertilizing and Watering, Complete	1.1	AC
37	Item T-905-5.1, Topsoil , Obtained Onsite, Stockpiled (4 to 6 Inch Minimum) , Include amendment, in Place	5,170	SY
ADDITIVE ALTERNATE 1			
A1-1	Item P-610, Portland Cement Reinforced Concrete Fuel Farm Apon Pavement (8 inch thickness)	560	SY
A1-2	TxDOT Item 247-6.1, Grade A, 6-inch Crushed Aggregate Base Course under P-610	600	SY
ADDITIVE ALTERNATE 2			
A2-1	Item L-108-5.1, Trenching, Backfill, and Compact for PVC Conduit, 24-inch minimum depth	700	LF
A2-2	Item L-108-5.3, No. 8 AWG 5kV, L-824 Type C Cable, Installed in Trench, Duct Bank or Conduit	750	LF
A2-3	Item L-108-5.4, No. 6 AWG, Solid, Bare,Copper Ground Wire, installed above Duct Bank or Conduit Including Connections/Terminations	700	LF
A2-4	Item L-125-1, L-861, LED Midium Intensity Taxiway Edge Light (Blue), Base Mounted on Concrete-Encased L-867 Light Base, Complete with Transformer and PVC transformer Support	11	EA



VICINITY MAP

EASTLAND MUNICIPAL AIRPORT	
SHEET NO.	SHEET TITLE
G-SHEETS	
G-001	COVER SHEET
G-002	SHEET INDEX, LOCATION, VICINITY MAP & QUANTITIES
G-003	PROJECT LAYOUT PLAN
G-004	STORMWATER POLLUTION PREVENTION PLAN SUMMARY
G-005	STORMWATER POLLUTION PREVENTION PLAN SITE PLAN
G-006	STORMWATER POLLUTION PREVENTION PLAN DETAILS
G-007	CONSTRUCTION SAFETY AND PHASING PLAN (PHASE 1)
G-008	CONSTRUCTION SAFETY AND PHASING PLAN (PHASE 2)
G-009	CONSTRUCTION SAFETY AND PHASING PLAN (PHASE 3)
G-010	CONSTRUCTION SAFETY AND PHASING PLAN (PHASE 4)
G-011	CONSTRUCTION SAFETY DETAILS
C-SHEETS	
C-101	DEMOLITION PLAN
C-102	GEOMETRY LAYOUT
C-103	APRON GRADING PLAN
C-104	APRON BASE ELEVATIONS
C-105	APRON HMAC ELEVATIONS
C-106	TAXIWAY B PLAN & PROFILE STA 0+00 TO 4+00
C-107	STORM DRAIN A PLAN & PROFILE
C-108	STORM DRAIN B PLAN & PROFILE
C-109	STORM DRAIN C PLAN & PROFILE
C-110	MARKING PLAN
C-501	PAVEMENT DETAILS
C-502	SAFETY END TREATMENT DETAILS
C-503	TIE-DOWN AND MARKING DETAILS
E-SHEETS	
E-101	WINDCONE & SEGMENTED CIRCLE LAYOUT PLAN
E-102	SIGNAGE AND LIGHTING PLAN
E-501	SIGN DETAILS
E-502	LIGHTED WINDCONE DETAIL
E-503	MISCELLANEOUS ELECTRICAL DETAILS



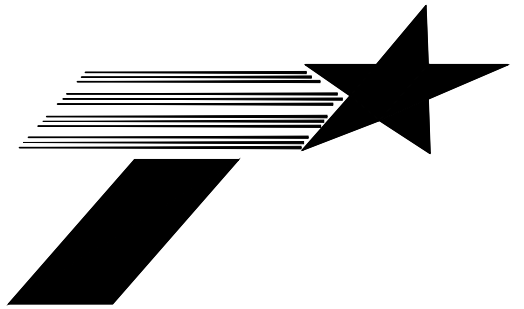
LOCATION MAP

Parkhill



Parkhill.com

Eastland Municipal Airport
Apron and Taxiway
Improvement Project



CLIENT

Eastland Municipal Airport
524 Joe Beaty Road
Eastland, Texas 76448

PROJECT NO.
01.8574.21

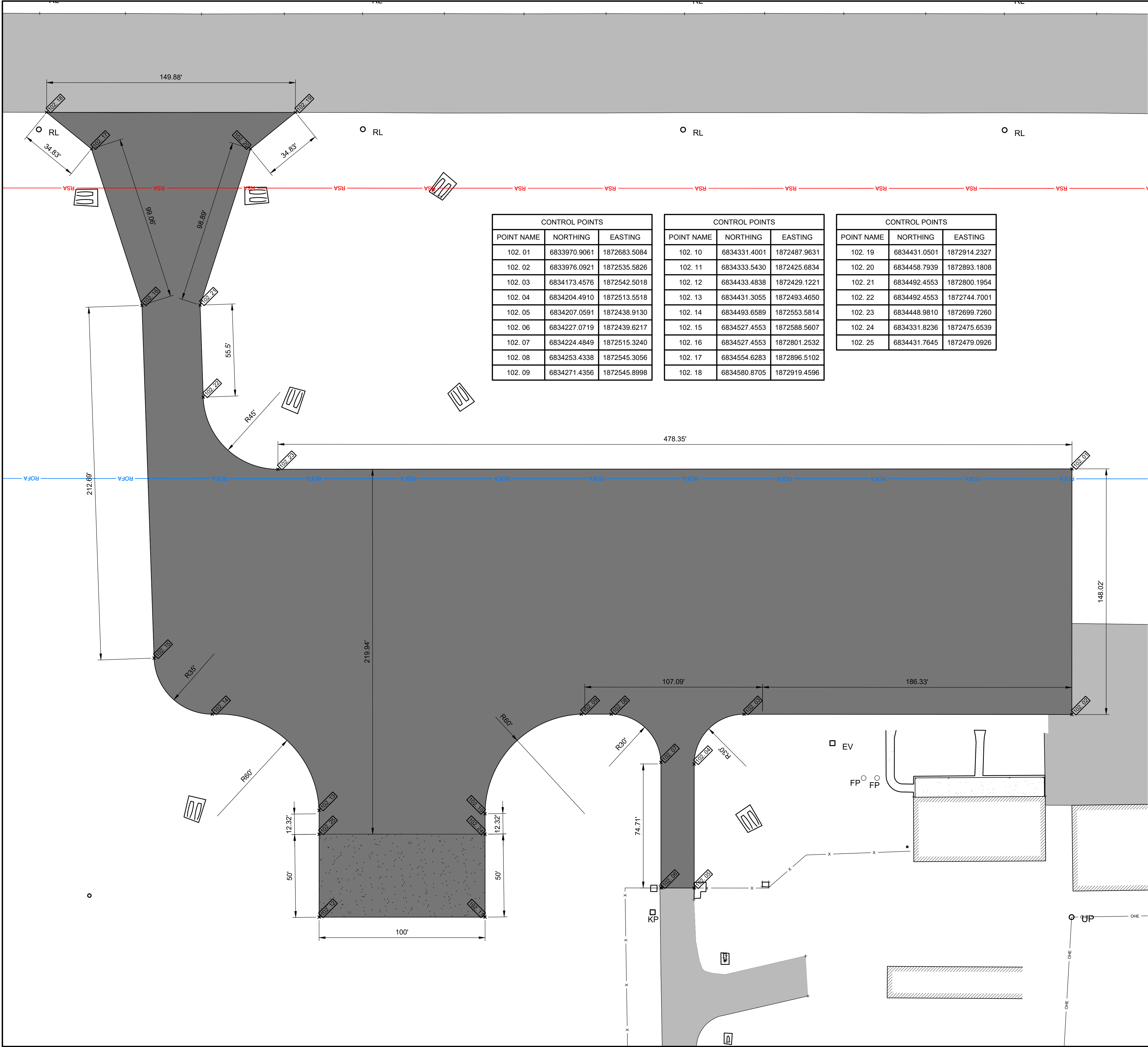
4	09/12/2022	ADDENDUM 01
3	06/06/2022	Bid Set
2	03/22/2022	Final Design
1	01/04/2022	Preliminary Engineering Report

#	DATE	DESCRIPTION
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SHEET INDEX,
LOCATION,
VICINITY MAP &
QUANTITIES

G-002

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CONTROL POINTS		
POINT NAME	NORTHING	EASTING
102. 01	6833970.9061	1872683.5084
102. 02	6833976.0921	1872535.5826
102. 03	6834173.4576	1872542.5018
102. 04	6834204.4910	1872513.5518
102. 05	6834207.0591	1872438.9130
102. 06	6834227.0719	1872439.6217
102. 07	6834224.4849	1872515.3240
102. 08	6834253.4338	1872545.3056
102. 09	6834271.4356	1872545.8998

CONTROL POINTS		
POINT NAME	NORTHING	EASTING
102. 10	6834331.4001	1872487.9631
102. 11	6834333.5430	1872425.6834
102. 12	6834433.4838	1872429.1221
102. 13	6834431.3055	1872493.4650
102. 14	6834493.6589	1872553.5814
102. 15	6834527.4553	1872588.5607
102. 16	6834527.4553	1872801.2532
102. 17	6834554.6283	1872896.5102
102. 18	6834580.8705	1872919.4596

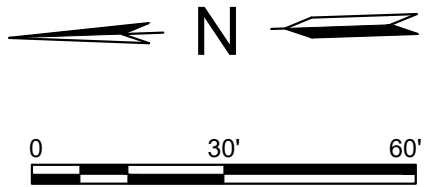
CONTROL POINTS		
POINT NAME	NORTHING	EASTING
102. 19	6834431.0501	1872914.2327
102. 20	6834458.7939	1872893.1808
102. 21	6834492.4553	1872800.1954
102. 22	6834492.4553	1872744.7001
102. 23	6834448.9810	1872699.7260
102. 24	6834331.8236	1872475.6539
102. 25	6834431.7645	1872479.0926

LEGEND

- PROPOSED PAVEMENT CONSTRUCTION
- PROPOSED CONCRETE FUEL PAD (ADDITIVE ALTERNATE 1)
- EXISTING PAVEMENT TO REMAIN
- PROPOSED EDGE OF PAVEMENT
- EXISTING EDGE OF PAVEMENT

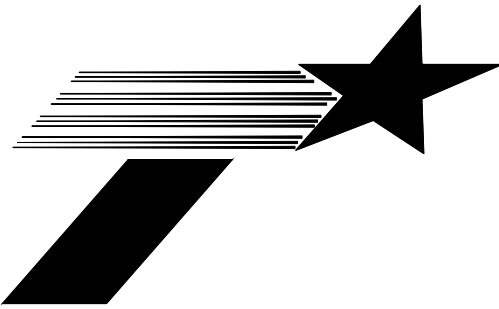
PROJECT LAYOUT NOTES

- CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING TX811, CITY OF EASTLAND AND UTILITY OWNERS TO CONFIRM LOCATION OF ALL UTILITIES PRIOR TO ANY EXCAVATION.
- REFER TO CONSTRUCTION SAFETY AND PHASING PLAN SHEET FOR PHASING AND SAFETY REQUIREMENTS INCLUDING CLOSURE INFORMATION.
- CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES (BUILDING, FENCE, UTILITIES, ETC.). ANY DAMAGE SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR.
- PROTECT ALL LIGHTING SYSTEM AND OTHER EQUIPMENT DURING CONSTRUCTION.
- PROTECT ANY UNDERGROUND UTILITIES FOUND DURING CONSTRUCTION. IF FOUND UTILITIES ARE NOT SHOWN ON PLANS, NOTIFY ENGINEER AND RECORD LOCATION AND DEPTH FOR AS-BUILT DRAWINGS.
- CONTRACTOR SHALL TAKE CARE TO OBSERVE ANY IMPACT CAUSED BY CONTRACTOR TRAFFIC AND EQUIPMENT TO THE PAVEMENT.
- PLAN AND PROFILE SHEETS CAN BE FOUND IN SHEETS C-103.
- RUNWAY EDGE LIGHTS ARE NOT SHOWN. CONTRACTOR SHALL PROTECT EXISTING RUNWAY LIGHTS DURING GRADING OPERATIONS.



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Eastland Municipal Airport Apron and Taxiway Improvement Project



CLIENT

Eastland Municipal Airport
524 Joe Beaty Road
Eastland, Texas 76448

PROJECT NO.

01.8574.21

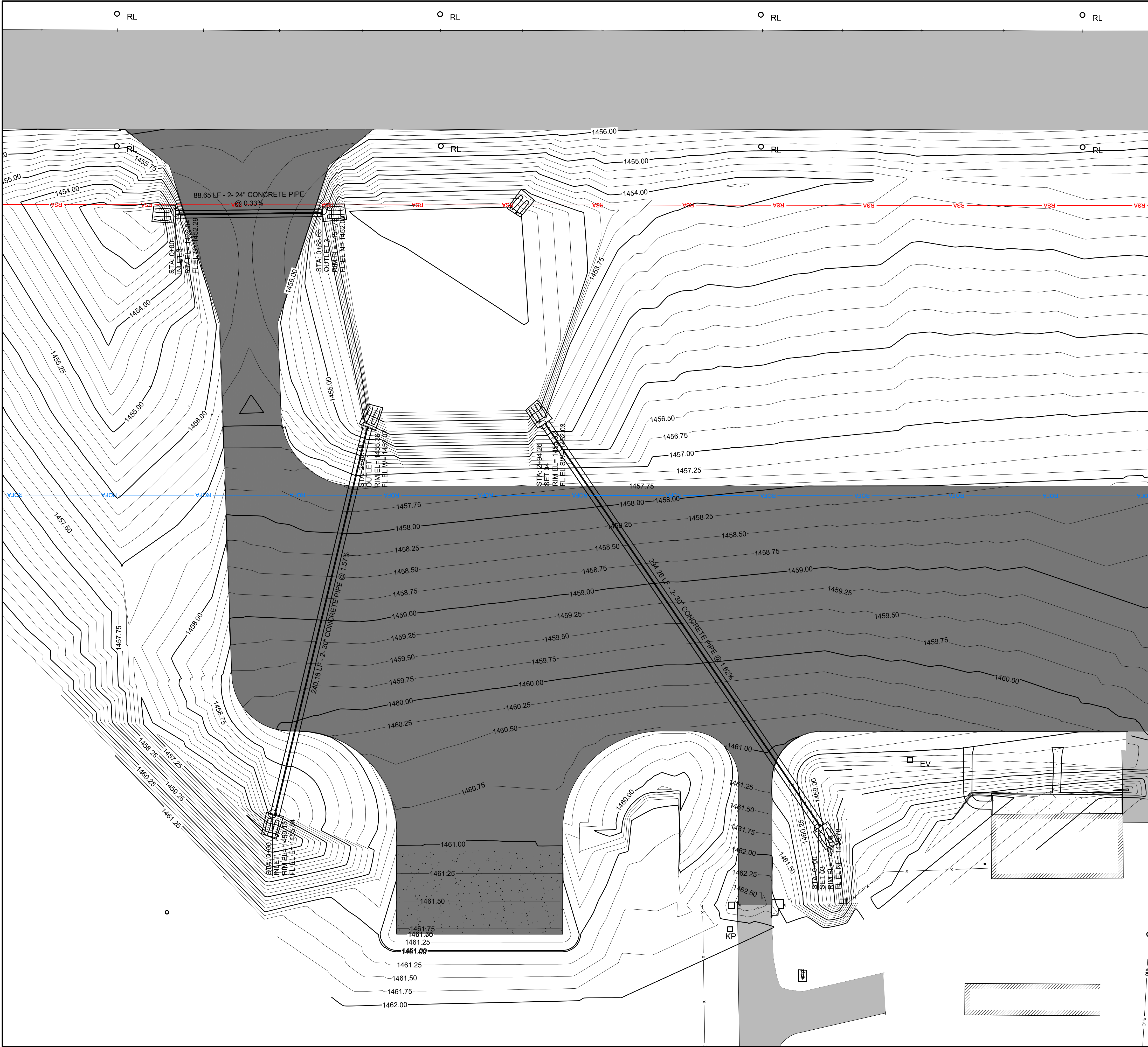
4	09/12/2022	ADDENDUM 01
3	06/06/2022	Bid Set
2	03/22/2022	Final Design
1	01/04/2022	Preliminary Engineering Report

DATE DESCRIPTION

GEOMETRY LAYOUT

C-102

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LEGEND

- EXISTING ASPHALT
- PROPOSED ASPHALT SURFACE (A2/C-501)
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

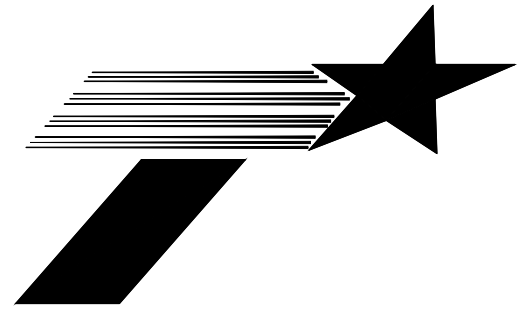
GENERAL NOTES

- SEE SHEET G-007 FOR PHASING AND PROPOSED HAUL ROUTE.
- CREATE 1-1/2" DROP WHERE GRADING ALONG ALL PAVED SURFACES.
- MATCH EXISTING ELEVATIONS ALONG EXISTING PAVEMENT.
- CONTRACTOR TO USE CAUTION DURING CONSTRUCTION TO PROTECT EXISTING UTILITIES.
- EXISTING OR PROPOSED MRL's NOT SHOWN. CONTRACTOR TO PHASE CONSTRUCTION TO AVOID DAMAGE TO NEW LIGHTS DURING RSA GRADING.
- ENGINEER WILL VERIFY SUITABILITY OF RECONSTRUCTION AREA USING A 10 FT STRAIGHT EDGE. DEVIATIONS IN EXCESS OF 1/4 INCH ACCORDING TO THE STRAIGHT EDGE WILL BE CONSIDERED UNACCEPTABLE AND WILL REQUIRE REMOVAL AND REPLACEMENT.



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Eastland Municipal Airport Apron and Taxiway Improvement Project



CLIENT

Eastland Municipal Airport
524 Joe Beaty Road
Eastland, Texas 76448

PROJECT NO.

01.8574.21

4	09/12/2022	ADDENDUM 01
3	06/06/2022	Bid Set
2	03/22/2022	Final Design
1	01/04/2022	Preliminary Engineering Report

DATE DESCRIPTION

APRON GRADING PLAN

C-103

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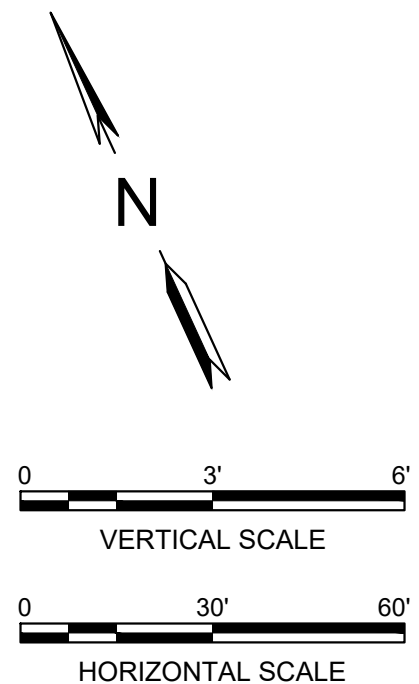
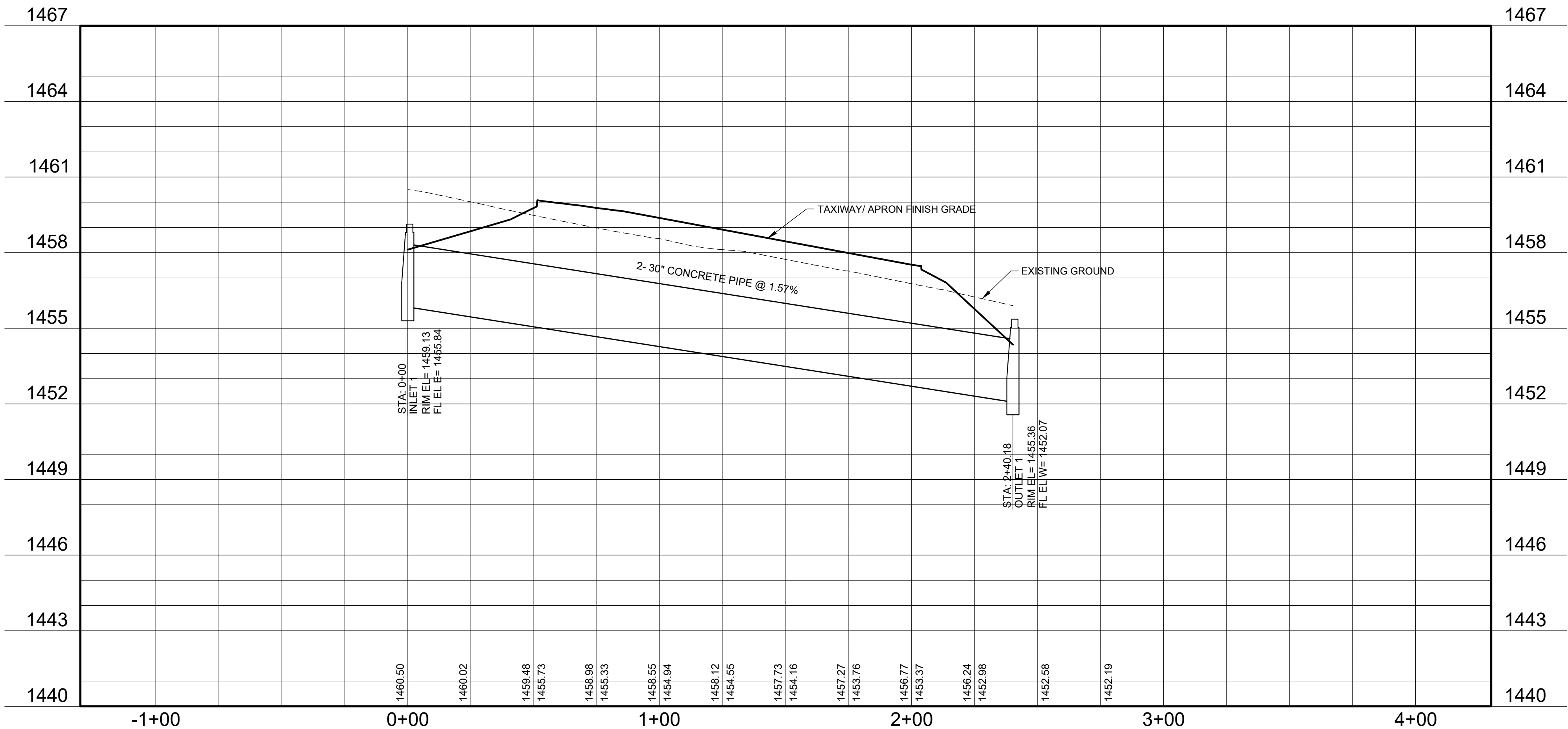
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LEGEND

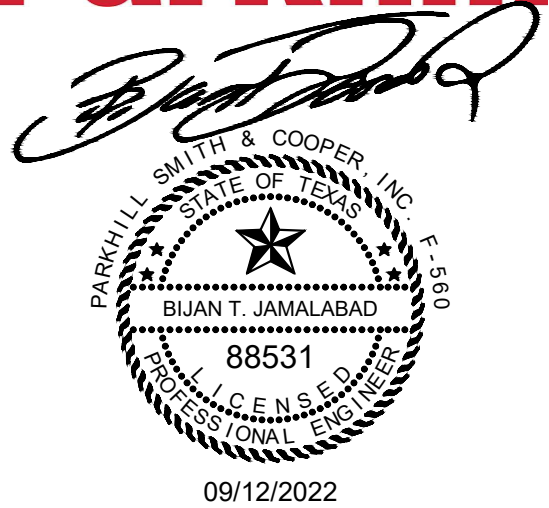
- EXISTING ASPHALT
- PROPOSED ASPHALT SURFACE (A2/C-501)
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

GENERAL NOTES

- SEE SHEET G-007 FOR PHASING AND PROPOSED HAUL ROUTE.
- CREATE 1-1/2" DROP WHERE GRADING ALONG ALL PAVED SURFACES.
- MATCH EXISTING ELEVATIONS ALONG EXISTING PAVEMENT.
- CONTRACTOR TO USE CAUTION DURING CONSTRUCTION TO PROTECT EXISTING UTILITIES.
- EXISTING OR PROPOSED MRL's NOT SHOWN. CONTRACTOR TO PHASE CONSTRUCTION TO AVOID DAMAGE TO NEW LIGHTS DURING RSA GRADING.
- ENGINEER WILL VERIFY SUITABILITY OF RECONSTRUCTION AREA USING A 10 FT STRAIGHT EDGE. DEVIATIONS IN EXCESS OF 1/4 INCH ACCORDING TO THE STRAIGHT EDGE WILL BE CONSIDERED UNACCEPTABLE AND WILL REQUIRE REMOVAL AND REPLACEMENT.

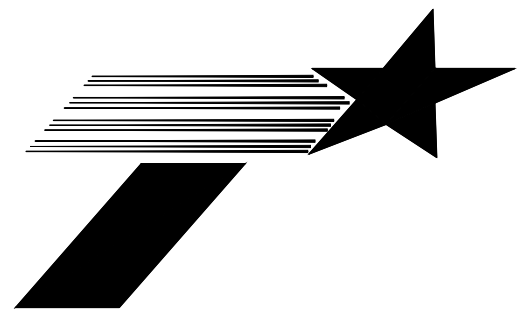


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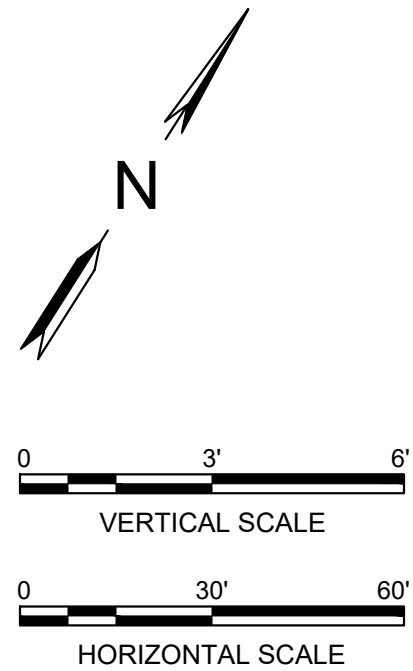
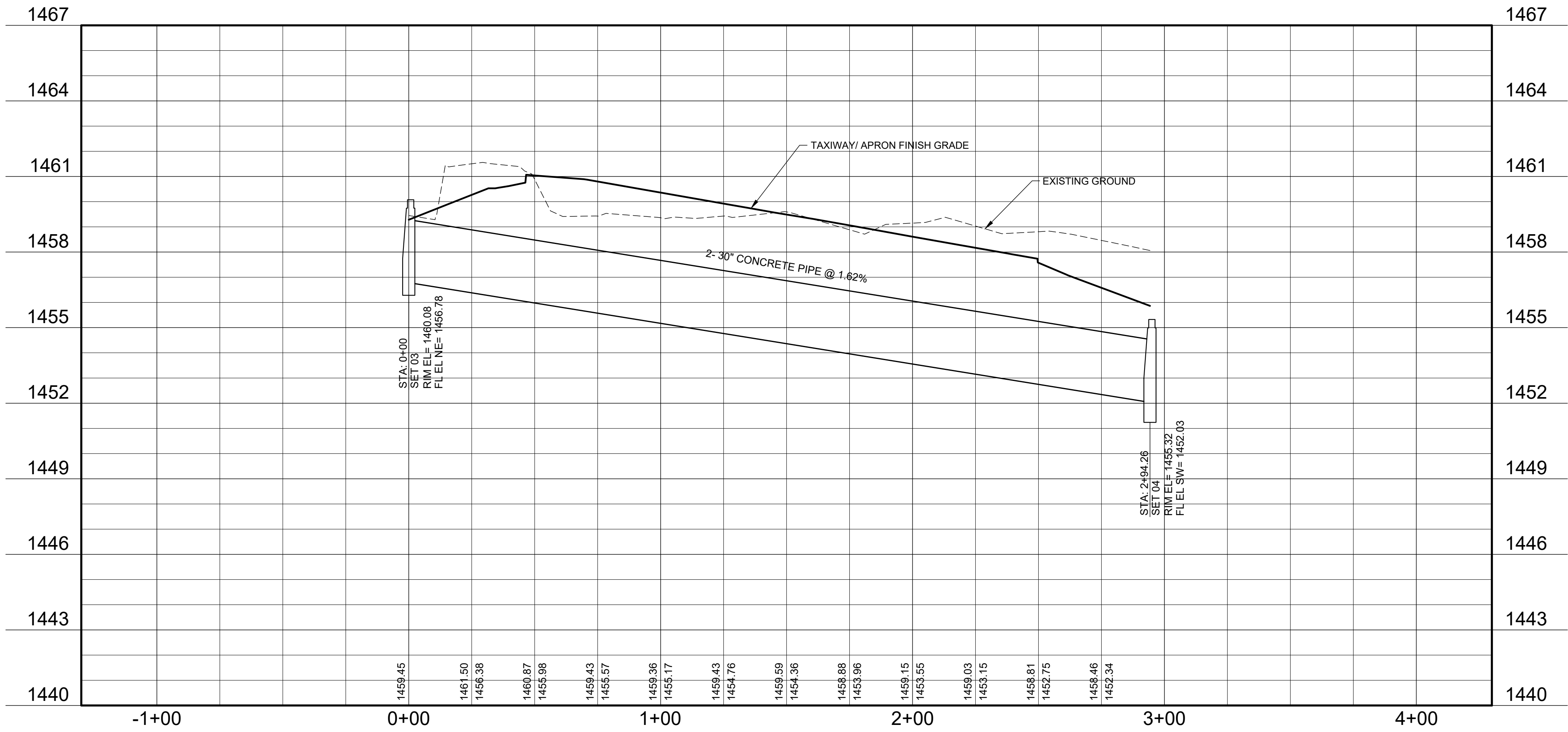
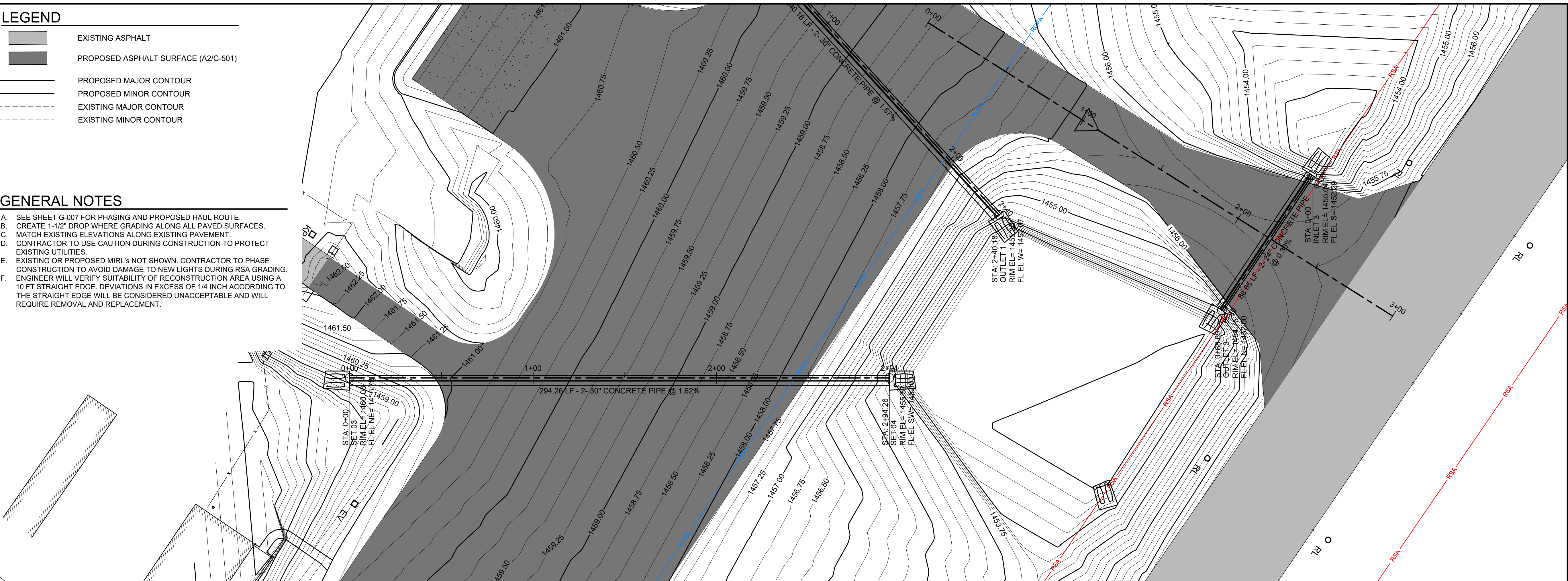
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STORM DRAIN A PLAN & PROFILE

C-107

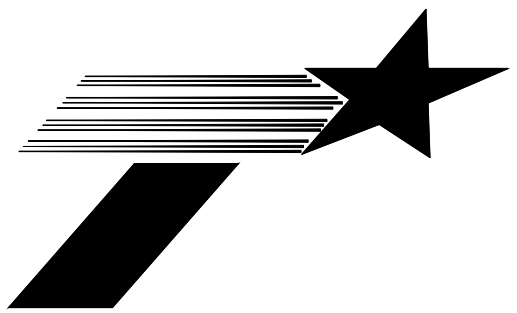
- LEGEND**
- EXISTING ASPHALT
 - PROPOSED ASPHALT SURFACE (A2/C-501)
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR

- GENERAL NOTES**
- A. SEE SHEET G-007 FOR PHASING AND PROPOSED HAUL ROUTE.
B. CREATE 1-1/2' DROP WHERE GRADING ALONG ALL PAVED SURFACES.
C. MATCH EXISTING ELEVATIONS ALONG EXISTING PAVEMENT.
D. CONTRACTOR TO USE CAUTION DURING CONSTRUCTION TO PROTECT EXISTING UTILITIES.
E. EXISTING OR PROPOSED MIRL'S NOT SHOWN. CONTRACTOR TO PHASE CONSTRUCTION TO AVOID DAMAGE TO NEW LIGHTS DURING RSA GRADING.
F. ENGINEER WILL VERIFY SUITABILITY OF RECONSTRUCTION AREA USING A 10 FT STRAIGHT EDGE. DEVIATIONS IN EXCESS OF 1/4 INCH ACCORDING TO THE STRAIGHT EDGE WILL BE CONSIDERED UNACCEPTABLE AND WILL REQUIRE REMOVAL AND REPLACEMENT.



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Eastland Municipal Airport Apron and Taxiway Improvement Project



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PROJECT NO.

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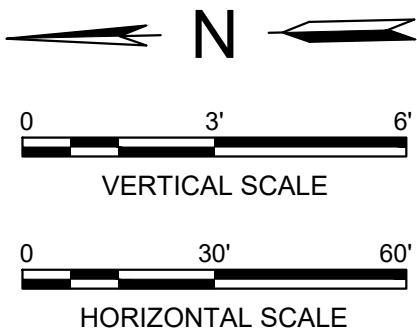
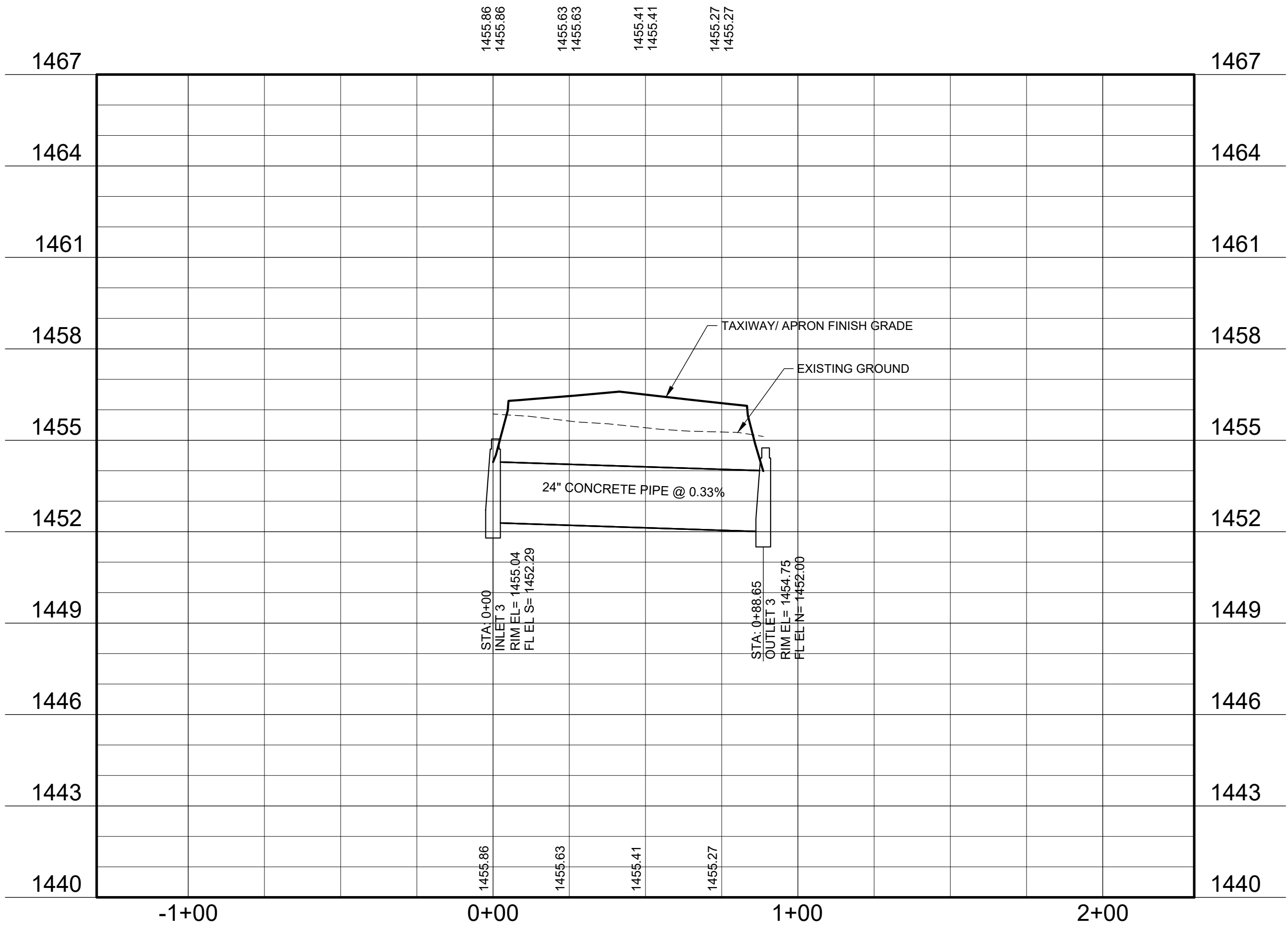
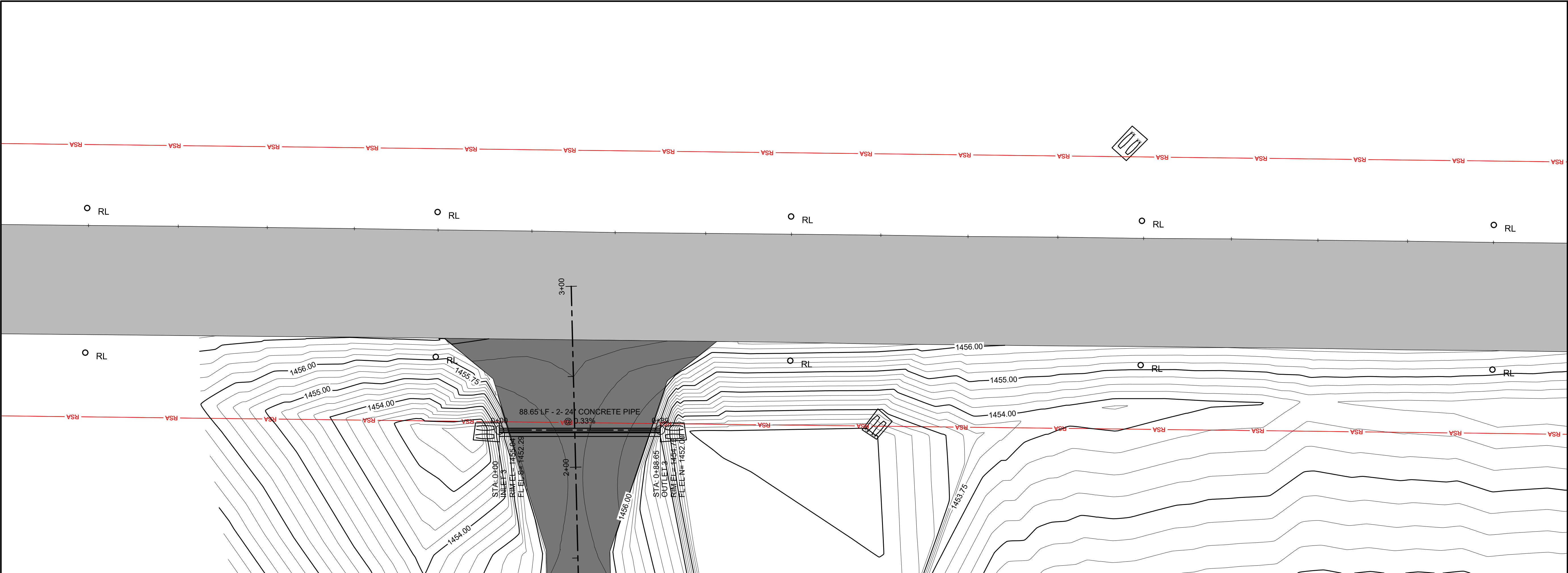
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2	03/22/2022	Final Design
1	01/04/2022	Preliminary Engineering Report

DATE DESCRIPTION

STORM DRAIN B PLAN & PROFILE

C-108

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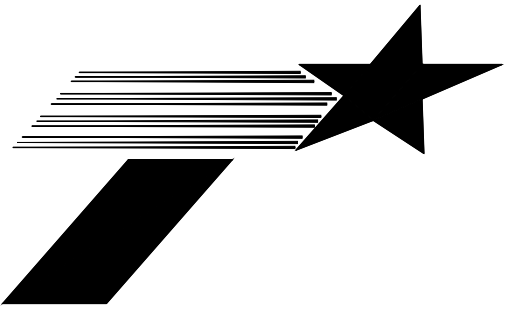
LEGEND	
	EXISTING ASPHALT
	PROPOSED ASPHALT SURFACE (A2/C-501)
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

- GENERAL NOTES**
- A. SEE SHEET G-007 FOR PHASING AND PROPOSED HAUL ROUTE.
 - B. CREATE 1-1/2" DROP WHERE GRADING ALONG ALL PAVED SURFACES.
 - C. MATCH EXISTING ELEVATIONS ALONG EXISTING PAVEMENT.
 - D. CONTRACTOR TO USE CAUTION DURING CONSTRUCTION TO PROTECT EXISTING UTILITIES.
 - E. EXISTING OR PROPOSED MIREL'S NOT SHOWN. CONTRACTOR TO PHASE CONSTRUCTION TO AVOID DAMAGE TO NEW LIGHTS DURING RSA GRADING.
 - F. ENGINEER WILL VERIFY SUITABILITY OF RECONSTRUCTION AREA USING A 10 FT STRAIGHT EDGE. DEVIATIONS IN EXCESS OF 1/4 INCH ACCORDING TO THE STRAIGHT EDGE WILL BE CONSIDERED UNACCEPTABLE AND WILL REQUIRE REMOVAL AND REPLACEMENT.



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Eastland Municipal Airport Apron and Taxiway Improvement Project



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PROJECT NO.
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1	01/04/2022	Preliminary Engineering Report

STORM DRAIN C PLAN & PROFILE C-109

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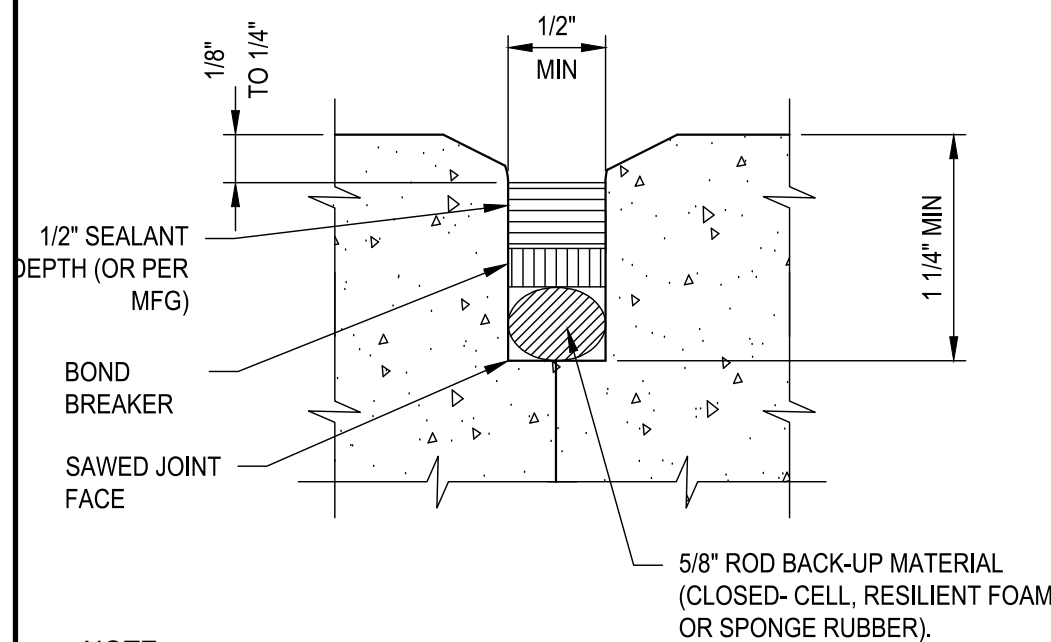
GENERAL NOTES

ALL CONCRETE WILL BE REINFORCED AS FOLLOWS, UNLESS OTHERWISE NOTED:

- | CONCRETE DEPTH | SIZE | SPACING |
|----------------|---------|----------|
| 8-INCH | #4 BARS | SEE PLAN |
- LOCATION OF CONSTRUCTION AND CONTRACTION JOINTS IS ASSUMED. CONTRACTOR SHALL COORDINATE WITH ENGINEER AND SUBMIT AN ALTERNATE JOINTING PLAN AS NECESSARY TO CORRESPOND WITH PLACEMENT SEQUENCE, AS WELL AS CONSTRUCTION MEANS AND METHODS.
 - SEE SHEET C-501 FOR JOINT DETAILS.
 - JOINTS SHALL NOT VARY MORE THAN ONE HALF INCH (1/2") FROM SPECIFIED LOCATION AND ALIGNMENT SHALL NOT VARY BY MORE THAN ONE QUARTER INCH (1/4") IN TEN FEET (10'). JOINTS NOT PARALLEL OR PERPENDICULAR WILL REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE THE CONCRETE PANEL ON EACH SIDE OF THE JOINT AT THE CONTRACTORS' EXPENSE.
 - DOWEL BARS SHALL NOT VARY IN ALIGNMENT BY MORE THAN TWO PERCENT (2%) OR FOUR TENTHS OF AN INCH (.40") IN EACH PLANE. MISALIGNED DOWEL BARS IN EXCESS OF STATED TOLERANCES WILL REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE THE CONCRETE PANELS ON EACH SIDE OF THE DOWEL BAR AT THE CONTRACTORS EXPENSE.
 - STEEL REINFORCEMENT SHALL CONSIST OF DEFORMED BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615, GRADE 60. REFER TO TxDOT ITEM 610.

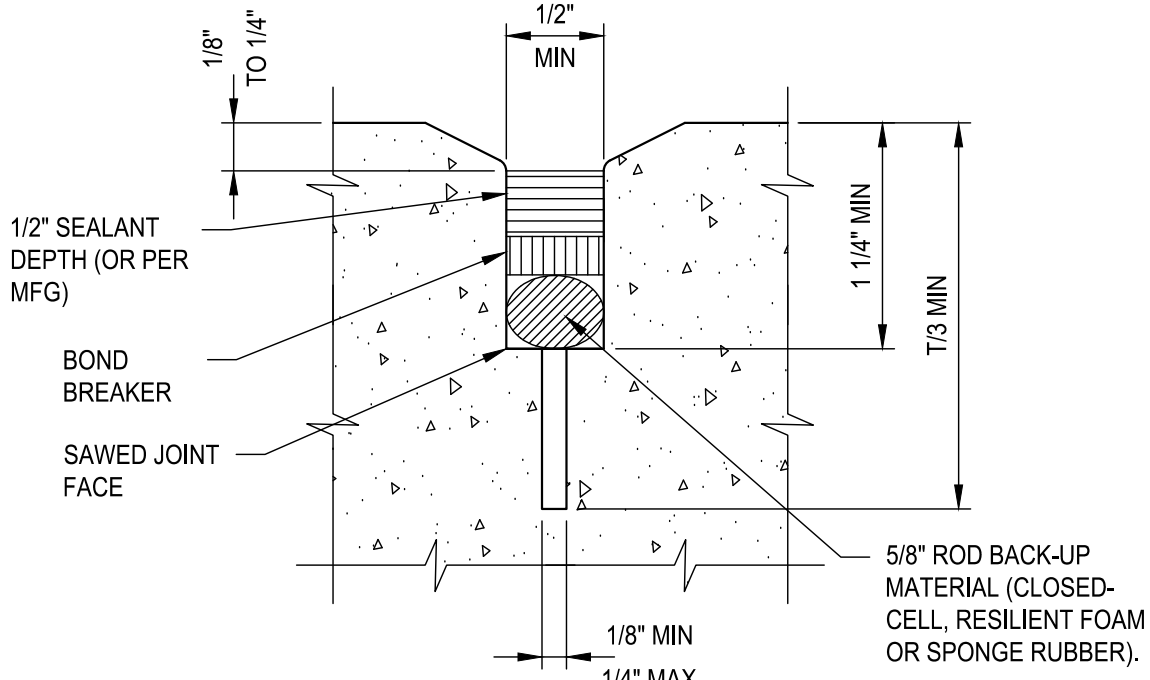
JOINTING LEGEND

- TYPE C- DOWELED CONTRACTION OR CONSTRUCTION JOINT
- TYPE A - THICKENED EDGE CONSTRUCTION JOINT
- #4 BARS @ 9" O.C.E.W. VERTICALLY
#4 BARS @ 14" O.C.E.W HORIZONTALLY
MIDSECTION ONLY: #4 BARS @9" O.C.E.W



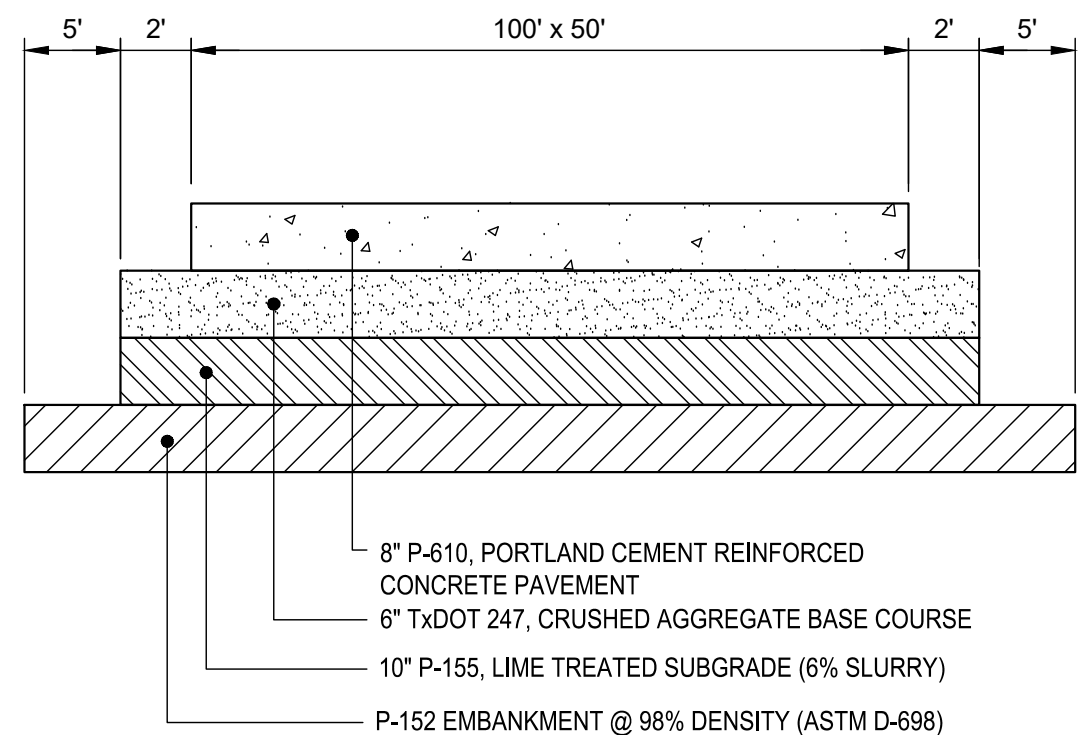
NOTE:
BOND BREAKER MATERIAL NOT
NEEDED IF BACK-UP MATERIAL
HAS BOND BREAKING SURFACE

C2 CONSTRUCTION JOINT
NO SCALE

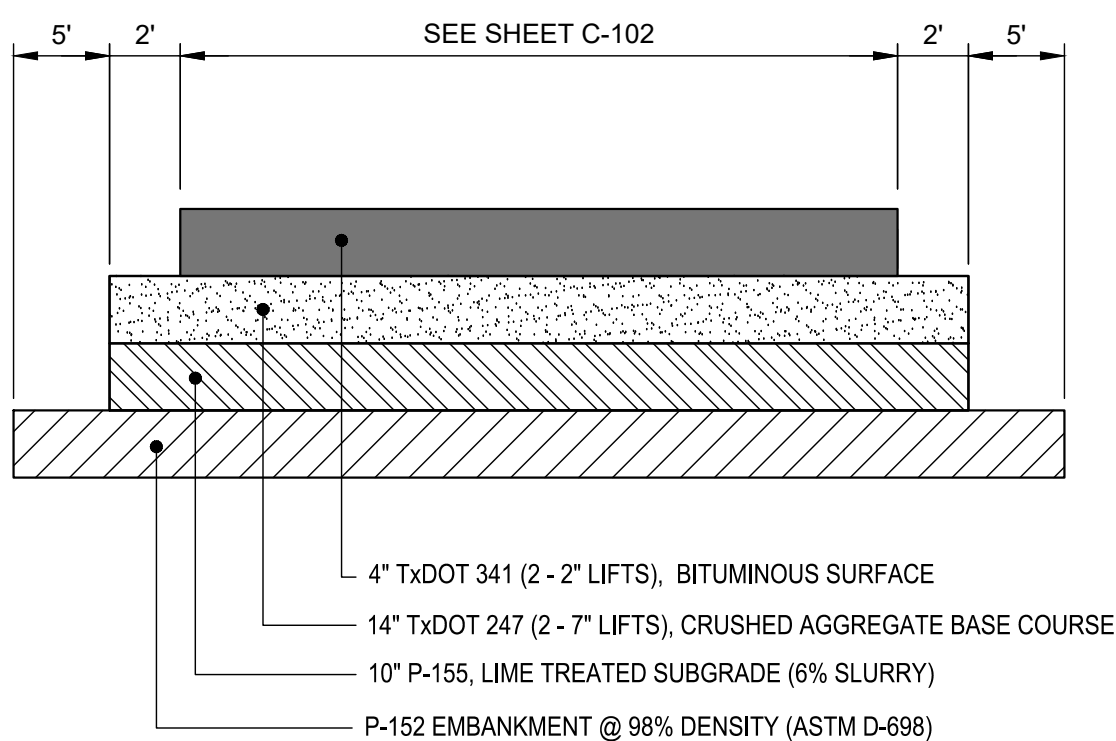


NOTE:
BOND BREAKER MATERIAL NOT NEEDED IF BACK-UP
MATERIAL HAS BOND BREAKING SURFACE

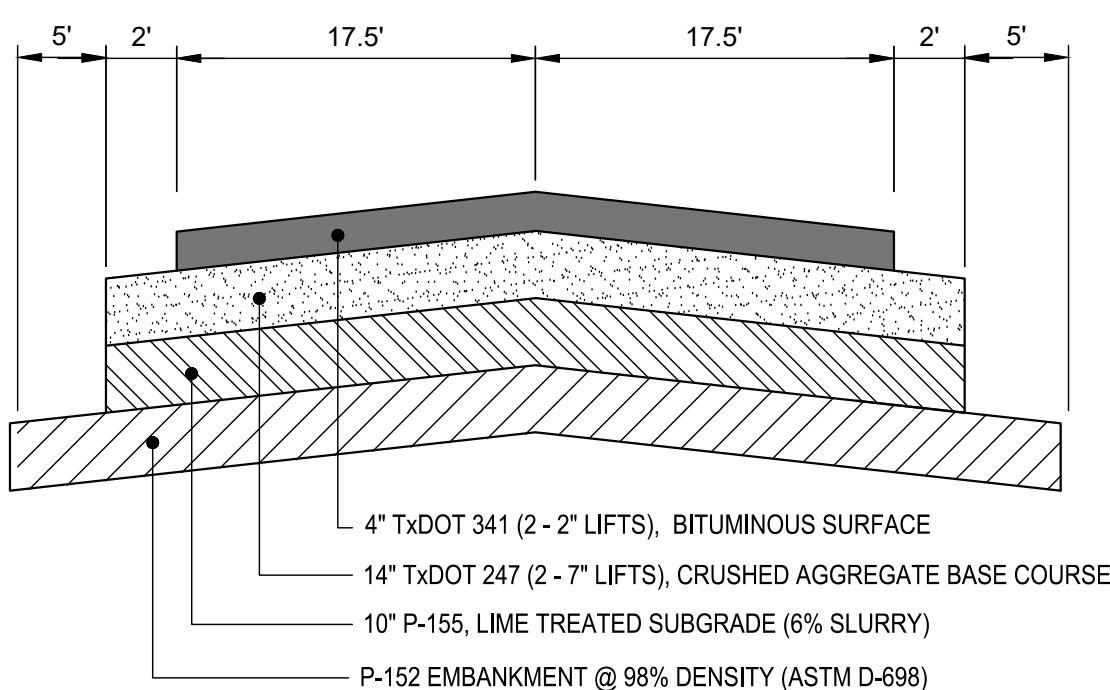
C3 CONTRACTION JOINT
NO SCALE



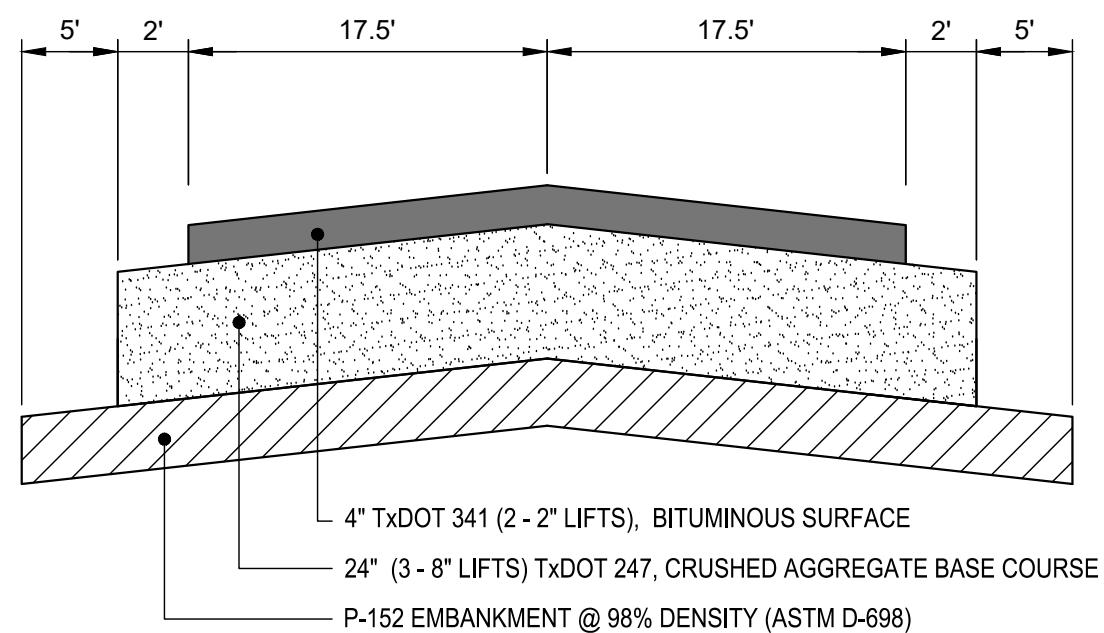
B1 CONCRETE PAVEMENT SECTION (FUEL FARM BAY), ADDITIVE ALTERNATE 1
NOT TO SCALE



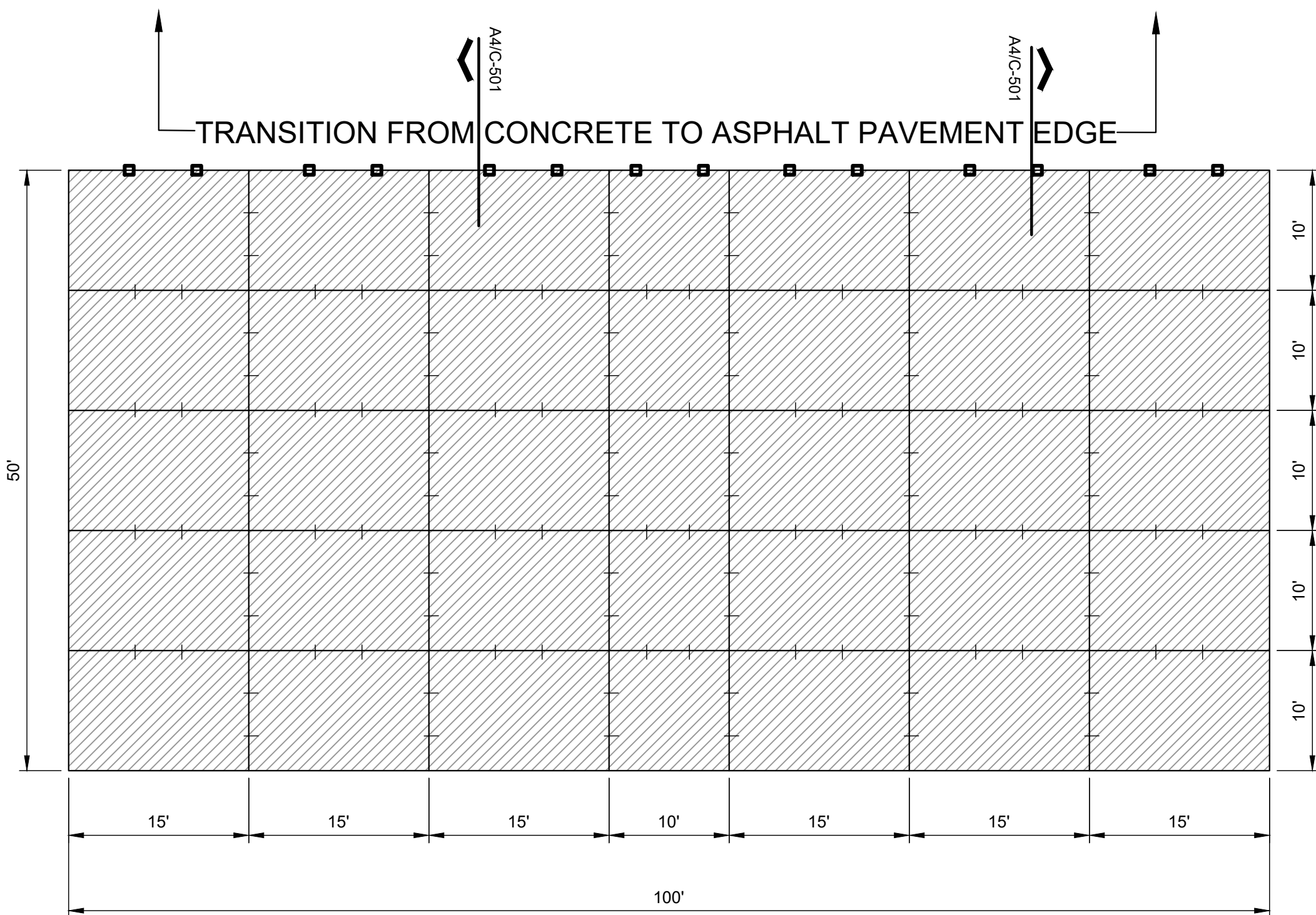
B2 APRON PAVEMENT SECTION
NOT TO SCALE



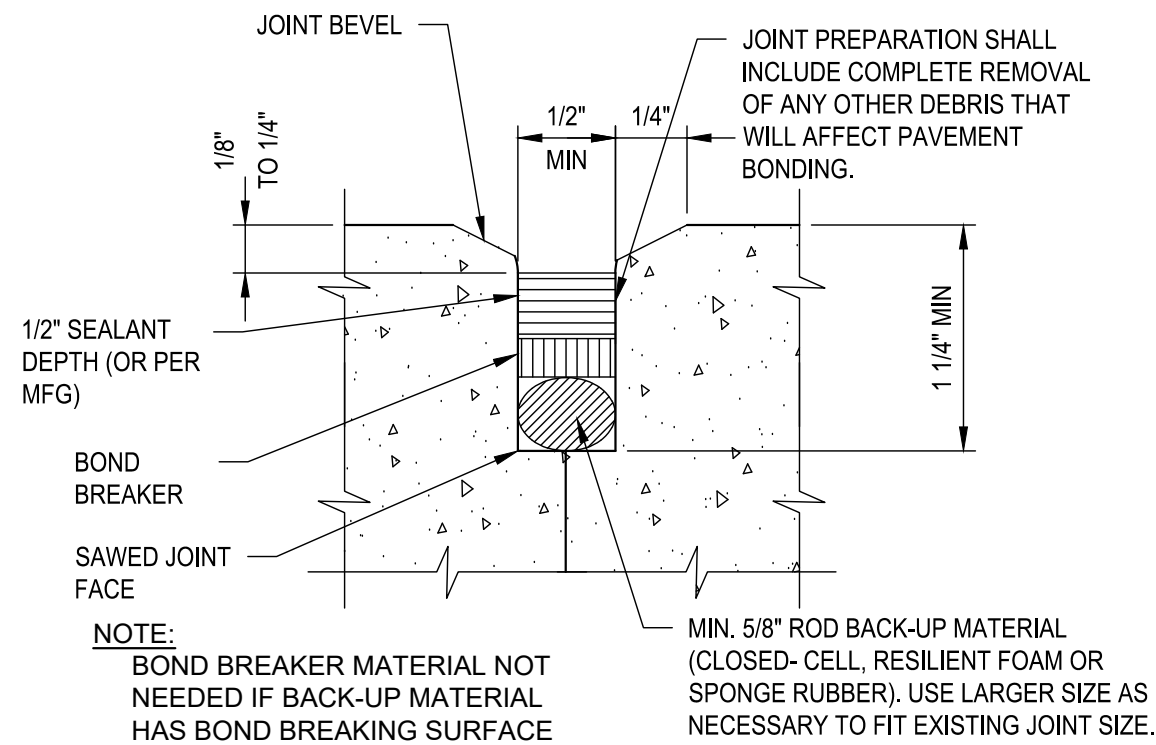
A1 TAXIWAY PAVEMENT SECTION (OUTSIDE RSA)
NOT TO SCALE



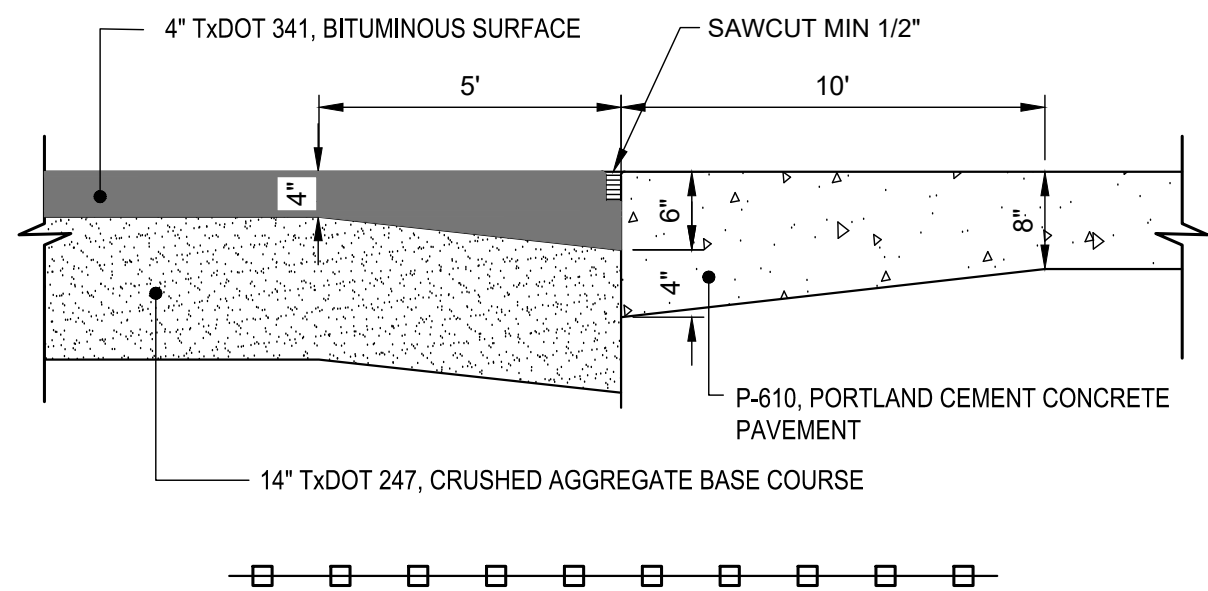
A2 TAXIWAY PAVEMENT SECTION (INSIDE RSA)
NOT TO SCALE



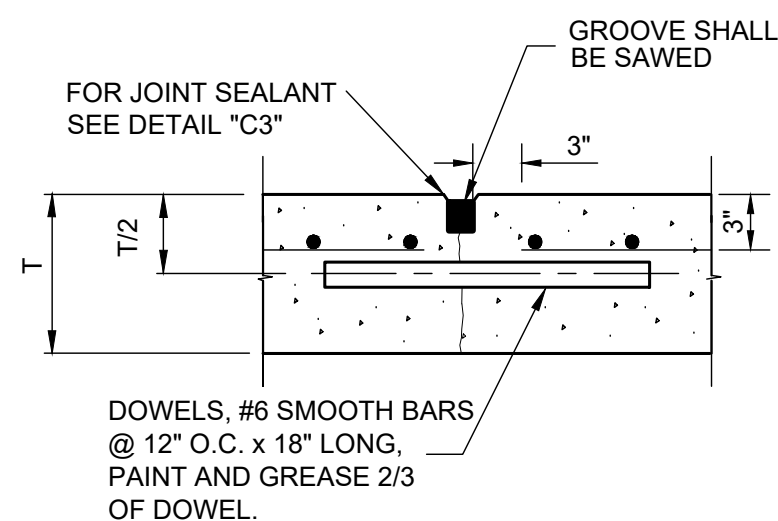
C4 CONCRETE FUEL PAD JOINTING DETAIL (ADD. ALT. 1)
NOT TO SCALE



B4 CONCRETE JOINT SEAL/BEVEL DETAIL
NO SCALE



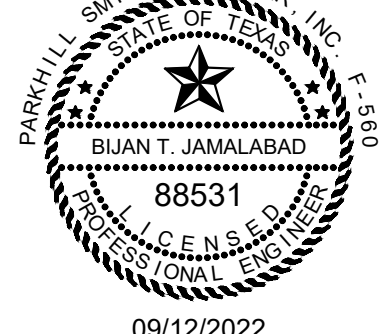
A4 TYPE A
THICKENED EDGE CONSTRUCTION
NO SCALE



A5 TYPE C
DOWELED CONTRACTION
NO SCALE

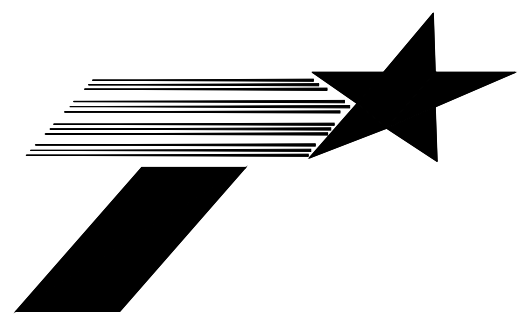
Parkhill

Parkhill Smith & Cooper, Inc.



Parkhill.com

Eastland Municipal Airport Apron and Taxiway Improvement Project



CLIENT

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524 Joe Beaty Road
Eastland, Texas 76448

PROJECT NO.
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PAVEMENT DETAILS

C-501

PREBID MEETING MINUTES

PROJECT NAME: Eastland Municipal Airport Apron and Taxiway Improvements

PARKHILL PROJECT NO.: 01857421

TxDOT CSJ NO.: 2023ESTLD

DATE: Wednesday, August 24, 2022 **TIME:** 10am

LOCATION: Eastland Municipal Airport Terminal Building

BY: Larry Valdez, PE

Minutes noted in RED.

1. INTRODUCTIONS (see attached Sign-in Sheet)

2. ADVERTISEMENT FOR BID

- A. Project Scope of Work:
- Rehabilitate existing apron.
 - Expand apron.
 - Construct cross taxiway from north apron to runway.
 - Relocate segmented circle and associated appurtenances.
- B. Bids will be accepted until 2pm, Tuesday, September 20, 2022, then publicly opened and read at Eastland City Hall, 113 East Commerce Street, Eastland, Texas 76448.
- C. Address and deliver all sealed Bids to:
- Mr. J.J. Oznick, City Manager
City of Eastland
113 East Commerce Street
Eastland Texas 76448

3. INFORMATION TO BIDDERS

- A. BID REQUIREMENTS
- Refer to Notice to Bidders for TxDOT CSJ 2023ESTLD on TxDOT Aviation website.
 - Refer to website regularly for changes or addenda.
 - DBE Goal: 6%.
 - Submit complete **bound** documents intact including:
 - completed and signed proposal using TxDOT fillable PDF form (Adobe preferred).
 - 2% Bid Bond and Power of Attorney
 - acknowledgement of all addenda, include copy of each (if any)
 - letter showing TxDOT prequalification or financial statement
 - **Five calendar days after bid opening, file a DBE plan with TxDOT.**

4. TIME AND ORDER OF COMPLETION

A. Construction Duration:

BASE BID (150 calendar days):

- Phase 1 (105 calendar days):
 - RWY 17-35 to remain active during this phase.
 - Install low-profile barricades and other safety measures as shown on Plan details.
 - Always maintain aircraft access to hangar apron and fuel farm.
 - Demolish and stockpile existing asphalt apron, lighted wind cone, and segmented circle.
 - Remove and stockpile unpaved area for apron expansion up to runway safety area.
 - Construct Phase 1 pavement to top of base course (TxDOT Item 247), including removal of existing drainage pipe and construction of new 30- and 24-inch drainage pipes and safety end treatments. Additive Alternate 1 included, if awarded.
 - Construct new lighted wind cone and segmented circle.
 - Complete grading along Phase 1 pavement limit.
- Phase 2 (14 calendar days):
 - RWY 17-35 closed during this construction.
 - Install closed runway Xs on RWY 17-35.
 - Install low-profile barricades and other safety measures as shown on Plan details.
 - All airfield lighting to be shut-off during duration of Phase 2.
 - Always maintain aircraft access to hangar apron and fuel farm.
 - Remove and stockpile unpaved area for taxiway construction to bottom of subgrade.
 - Construct taxiway with 24-inch TxDOT Item 247 (three 8-inch lift, per Project Specification).
 - ♦ **NOTE:** There is no subgrade lime treatment. This section of pavement constructed full depth with TxDOT Item 247.
 - Complete all electrical work with exception of fixture installation, including Additive Alternate 2, if awarded.
 - Prepare apron and taxiway pavement limit for construction of hot-mix asphalt course (TXDOT Item 341). This includes Phase 1 pavement limit.
 - ♦ **NOTE:** Contractor may start hot mix asphalt (TXDOT Item 341) operation on apron (Phase 1 area) any time during this Phase.
- Phase 3 (7 calendar days):
 - RWY 17-35 closed during this phase.
 - Install low-profile barricades and other safety measures as shown on plan details.
 - Always maintain aircraft access to hangar apron and fuel farm.
 - construct and complete partial taxiway hot-mix asphalt placement (TXDOT Item 341).
 - Open RWY 17-35.
- Phase 4 (24 calendar days):
 - Construct and complete apron hot-mix asphalt placement (TxDOT Item 341) and Additive Alternate 1 concrete placement (fuel farm concrete apron), if awarded.
 - Topsoil graded areas, per Item T-905.
 - Complete all electrical installation, including Additive Alternate 2, if awarded.
 - Install and complete lighted wind cone.
 - Install and complete aircraft tie-down anchors.
 - Mark all pavement and segmented circle.
 - Seed, fertilize, and water graded topsoil areas.
 - ♦ **NOTE:** Contractor shall continue maintaining and watering seeded areas to establish vegetation per Plans and Specification.

ADDITIVE ALTERNATE NO. 01:

- 0 additional calendar days: Apron Concrete Pad (Fuel Farm Apron).

ADDITIVE ALTERNATE NO. 02:

- 0 additional calendar days: Taxiway Edge Lights.

B. Liquidated Damages: \$1,000 per day.

5. LIMITATION OF OPERATIONS

- Haul routes: As designated and approved by Engineer and Owner.
- Stockpile, office, and plant areas: As approved by Engineer and Owner
- Preconstruction conference will be held prior to start of construction.

6. UTILITIES

- Contractor to make provisions and pay for all utilities consumed during construction.
- Contractor shall arrange for all utility usage.

7. TXDOT COMMENTS

- Copies of TxDOT General Provisions are available online (TxDOT Aviation website).
- Materials-on-hand, on site, or otherwise dedicated for this Project are eligible for payment.
- **No** retainage held on Contractor's monthly pay requests. TxDOT will pay 95% of completed Project prior to final inspection.
- **Remaining 5% will be paid with the last final pay request approved by Project Manager.**

8. OTHER:

- **Larry Valdez with Parkhill asked Bidders to submit any questions no later than 2022.09.09 to allow for Addenda, if needed.**
- **Eli Lopez with TxDOT Aviation stated all Bidders should prepare and submit a DBE plan in case apparent Low Bidder is disqualified or pulls a bid.**

For all Project questions/revisions/corrections, contact:
Bijan Jamalabad, PE, at 512.676.2112 (office) or bjamalabad@parkhill.com ~or~
Larry Valdez, PE, at 806.473.3528 (office) or lvaldez@parkhill.com.

Parkhill

ATTENDANCE




PROJECT NAME: 2023ESTLD Eastland Municipal Airport Apron and Taxiway Improvements

PROJECT NO.: 01857421

DATE: Wednesday, August 24, 2022

TIME: 10am

LOCATION: Eastland Municipal Airport Terminal Building

PRESENT	NAME	ORGANIZATION	PHONE	EMAIL
	Bijan Jamalabad	Parkhill	512.922.5617	bjamalabad@parkhill.com
LV	Larry Valdez	Parkhill	806.473.3528	lvaldez@parkhill.com
	Lanell Pahe	Parkhill	806.473.3664	lpahel@parkhill.com
	Paul Slusser	TxDOT Aviation	512.416.4527 (cell) 512.466.8546	paul.slusser@txdot.gov
	J.J. Oznick, City Manager	Eastland	940.357.1820 (cell) 254.629.8321	citymgr@eastlandtexas.gov
	Bode Zietz, Airport Manager	Eastland	254.488.1055 (cell) 254.629.1588	etnaero@txol.net
	Jared Mills	Jay Mills Contracting	254-965-6657	jared@jmcctx.com
	SEAN DAWSON	TEINERT CONSTRUCTION	806-723-8857	SDAWSON@TEINERT.COM
	ELI LOPEZ	TXDOT AVN	512 416-4506	eli.lopez@txdot.gov