

June 02, 2020

To: Plan Holders for Improvements to the
Monett Regional Airport
Pierce City, Missouri
Project No. 20-098B-1

Transmitted herewith is Addendum **No. 4** to the Issued for Bid Contract Documents, Specifications and Plans dated May 18, 2020 for Improvements to the Monett Regional Airport.

Schedule I – Earthwork and Grading for Relocation of Runway 18/36

Sincerely,

Jviation, Inc.



Mark J. Lovato, P.E.
Project Manager



**ADDENDUM NO. 4
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI
PROJECT NO. 20-098B-1**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of June 02, 2020:

1. PLANS

Sheet: G002

Title: Index of Drawings and Summary of Approximate Quantities

Revision: The quantities table was updated to reflect a change in bid items for D-701g, D-701k and D751a

Justification: *Clarification of Bid Items.*

Sheet: C501

Title: Proposed FR 2025 Plan and Profile ST 13+50 to ST 26+00

Revision: Revised sheet to show 18" Flared End Sections (FES).

Justification: *Clarification of Bid Items.*

Sheet: C601, C602 and C604

Title: Proposed Storm Line 2 Plan and Profile, Proposed Storm Line 3 Plan and Profile, and Proposed Storm Line 5 Twin Box Culverts Plan and Profile

Revision: Updated profile to show where Install Aircraft Rated Triple Inlet is required and how the Reinforced Box Culvert (RCB) shall be designed by a licensed structural engineer hire by the contractor with their method of construction of the RCB.

Justification: *Clarification of Bid Items and how the RCB will be evaluated.*

Sheets: C650-C652

Title: Detention Pond Outlet Structure

Revision: Updated plan to show pipe and FES size and updated elevation requirements on Pond B.

Justification: *Clarification of Bid Items and updates.*

2. CONTRACT DOCUMENTS

Page: Bid Proposal

Title: Schedule I (3 pages)

Revision: Bid Items P-152c, D-701g, D-701k and D751a were revised.

Justification: *Clarification of Bid Items. Quantities were updated to reflect construction drawings.*

3. QUESTIONS

1. Will the Pre-Bid Meeting notes be provided?
 - a. Yes, the Pre-Bid Meeting notes are provided with this Addendum, see attached.
2. Note 3 on Sheet 48 (C350) refers to wick drain and sand blanket installation work by contractor "incidental to P-152a". Please provide details of size, quantity and location layout for wick drain and sand blanket.
 - a. The wick drains and sand blanket shall be sized by the contractor for their use of equipment and hauling methods. A submittal will be required to be reviewed by Jviation before placement.
3. Item D-701f (RCB) has no construction details indicating what design criteria (FAA, MoDOT?) to use to determine the dimensions of the structure. Please provide direction to determine what dimensions (i.e., Wall, deck and bottom slab thicknesses) the RCB is to be constructed. Is pre-cast concrete an allowable option for the barrel sections? If so, what design criteria should be followed for the pre-cast sections? Specification D-701 refers to Pipe for Storm Drain and Culverts, but not for Reinforced Concrete Box Culverts.
 - a. The inside width of each box shall be 8'0" with a height of 7'0". The Contractor shall provide a Missouri structural engineered stamped submittal to size top slab, side walls and bottom slab. See sheets C656 to C658 for standard MoDOT details for RCB. The structural design for either Cast-In-Place or Precast shall be evaluated with the anticipated fill of 15' over the box culvert and an additional Live Load of 50,000 lbs.
4. Please clarify all locations that require topsoil placement. Typical sections show 6" of topsoil placed over all disturbed slopes outside of the Ultimate Pavement Section. Will topsoil be required to be placed under areas of future runway pavement or on slopes that are to receive future embankment? Will the stockpile area be required to be topsoiled and seeded?
 - a. All areas disturbed by grading operations within the project grading limits will be required to be topsoiled with the exception of the area associated to the future pavement of the proposed runway and taxiways, also excluded will be the stockpile area.
5. Addendum 2 stated "Digging on the airport property will not be allowed prior to bidding." The geotechnical report alone may not give the contractors the ability to properly assess what equipment would be suitable to excavate this material or the amount of "ground engaging equipment" that would be consumed during the project. Due to the hard and abrasive nature of the material and sporadic rock that we have encountered in this vicinity in the past, will the owner reconsider allowing contractors to dig on the airport property prior to bid?
 - a. No, the Owner does not want the Contractors to dig on the Airport property prior to Bidding.
6. Bid Item P-152c Rock Excavation includes a quantity 75,000 cy. Please detail where the 75,000 cy is expected to be encountered?
 - a. Contractor to provide pricing for the estimated 80,000 cy, see updated Schedule I Bid Proposal Sheet, Item P-152. Because the Rock Excavation is sporadic in nature actual areas are not shown.
7. Note 1 under SITE ACCESS AND STAGING, on Sheet G003 states, "A water source on Airport property and the price of water will be coordinated the time of bidding." Where is the water source located and what is the price of water?
 - a. Contractor to coordinate with the Airport/City of Monett to obtain location and pricing.

8. Item P-101B includes removal of all the structures shown on the plans. Has an asbestos/hazardous material survey been performed on the structures? Has that survey been made available to contractors? Who is responsible for obtaining demolition permits? Who is responsible for hazardous inspection/ asbestos testing & abatement?
 - a. Contractor is responsible for all required permits including but not limited to demolition, hazardous inspection/asbestos testing and abatement.
9. Per Addendum 3, NTP will be Summer 2020. There is a note on Sheet G052 stating “ALL TREE REMOVAL (3” OR LARGER) SHALL BE PERFORMED FROM NOVEMBER 1 THROUGH MARCH 31.” Would calendar days be suspended if contractor operations are suspended until November 1?
 - a. Yes, with the request and approval of a work stoppage, the Calendar Days will be suspended. It is anticipated that there will be a Winter shut down or Spring start for this project.
10. Will compaction be required in the stockpile area?
 - a. No, compaction will not be required in the stockpile area.
11. If the clearing is limited by bat restrictions until November, what is anticipated? Late start? Fish and Wildlife study and approval? What if bat roosting/nesting trees are found?
 - a. Clearing is only limited by the bat restrictions to the areas shown on sheets C100-C104 in the areas highlighted as “Limits of Tree Removal”. The November 1st to March 31st, assumes that bat nesting trees are currently in these locations. A study is being performed that will determine the actual locations that will be impacted.
12. When is the NTP, and does it allow the bidder to start clearing before November 1st? It appears you NEPA documents prohibit clearing before November 1st
 - a. The Notice to Proceed (NTP) will be determined once funding from MoDOT is received, this is anticipated late summer 2020. If the Contractor chooses to hold their bid prices, an NTP can be issued Winter 2020 or Spring 2021.
13. Did jViation mean to state working days or calendar days?
 - a. No, Jviation does require this project to be Calendar Days, not Working Days.
14. Our industry is covered up this year with work on ArDOT, MoDOT, USACE, Etc.. Can this work be moved to 2021?
 - a. As long as the Contractor is willing to hold their bid prices as noted above, this work can be moved to the spring of 2021.
15. If the August 15ish NTP discussed in the conference call is enforced, how will the Contractor get asphalt pavement placed properly? Most A/C plants don’t start up until April 1.
 - a. As stated in Addendum No.1, the funding for this project is anticipated for later in the summer and therefore the contractor shall assume a Winter Shutdown period to be requested when work is no longer practical.
 - b. Therefore, the asphalt pavement shall be placed Spring 2021, after hauling operations across FR 2025 are complete.
16. Does the road culvert receive FES's at inlet and/or outlet? None are shown.
 - a. Yes, two additional 18” Flared End Sections (FES) will be required. See attached revised sheet C501.

17. Will inlet be removed for extension of future pipe? If not, should pipe penetration be provided in inlet for future pipe?
 - a. Yes, the inlet will be removed/relocated for the next project with the ultimate design. Therefore, a second pipe penetration will not be required for the temporary inlets.
18. Should the upstream end of pipes to be extended in the future receive FES? None are shown
 - a. Yes, see revised sheet C601, attached.
19. Does detention outlet pipe receive FES? None are shown.
 - a. Yes, see revised sheets C650-C652, attached.
20. The outlet control structure for Det. Pond "B" shows a rim elevation of 1271 (same as Pond "J"), but the spillway is 1263. Is this intentional?
 - a. Correct, Pond B vertical information was incorrect, see revised sheet C651, attached.
21. Detail for inlet structure appears to indicate some sump below FL out prior to pouring invert, but no dimension is given.
 - a. Sump is dependent on the constructed conditions of the inlet and outlet pipes, contractor to ensure a minimum of 2" of P-610 or grout is formed at the bottom of the inlet.
22. Detail for inlet structure appear to indicate a keyway being necessary if construction joint exists at bottom of wall, but no dimension for keyway is given. Would it be permissible to extend entire wall into floor as keyway and eliminate reinforcement between floor and wall to allow C.I.P. floor with precast walls?
 - a. The keyway is not required but is permissible and shall be installed as shown at 1/3 the width of the wall.
 - b. No, it is not permissible to extend the entire wall into floor as a keyway. The vertical reinforcement cannot be eliminated.
23. Please confirm it is permissible to have construction joints without through reinforcement within the walls to allow for structure to be precast in sections? Note No. 7 on Sht. C655 and specification D-751 discuss said joints but none are shown on the detail.
 - a. Per note 11 on C655: "At the contractors option the manhole/inlet structures may be precast. If this option is selected, the manhole/inlet structures shall be performed by a licensed engineer in the state of Missouri and in accordance with the precast section shall be in accordance with section D-751 and P-610 of the Technical Specifications."
24. Note No. 7 on Sht. C655 indicates Ram-Nek® (which conforms to ASTM C990, see attached data sheet) or other flexible asphaltic sealant is acceptable joint sealant for joints in inlets, however, Sec. 751-2.4 and 751-3.4 of the specifications indicate joint gasket shall be per ASTM C443. Please confirm Ram-Nek® is indeed acceptable for this purpose.
 - a. Please quote per the specifications, if there is a replacement or substitution requested, that will be handled with a Change Order after bidding. The specifications govern over the plans.
25. Inlet #2 is noted as a double inlet, however this conflicts with Note No. 1 on Sht. C655, noting a triple inlet be used where pipe is between 36" & 66". See also related question pertaining to bid form.
 - a. Inlet has been revised to a Triple Type 1 Inlet, see revised sheet C602, attached.

26. Item D-751a indicates a quantity of 2-EA and D-751b a quantity of 1-EA, for a total of 3 inlets. Our takeoff based on profile notes indicates quantities of 2-EA & 0-EA, respectively.
 - a. See revised sheet G002, attached, for updated quantities.
27. We routinely supply OMNI-FLEX® rubber tongue and groove joint gaskets which meet the requirements of MoDOT Sec. 1057.9 (see enclosed data sheet for that material) for RCP and RCBC installations. This may not exactly comply with that noted within the specification, specifically Sec. 701-2.4. However, per Sec. 701-3.4.a., that may be only where "leak resistant" joints are required, i.e. if a rubber gasket is desired by Contractor where "soil tight" joints are indicated or assumed desired. Are "leak resistant" joints required for RCP? Would OMNI-FLEX® rubber joint gaskets be acceptable to supply for RCP and RCBC?
 - a. Please quote per the specifications, if there is a replacement or substitution requested, that will be handled with a Change Order after bidding.
28. See question for Sht. C655 regarding joint gaskets for precast structures.
 - a. Please quote per the specifications, if there is a replacement or substitution requested, that will be handled with a Change Order after bidding. The specifications govern over the plans.
29. Sec. 751-2.7 requires painted cast iron or galvanized steel manhole steps. However, we routinely supply manhole steps comprised of plain Grade 60 steel coated with slip- & pullout-resistant molded copolymer polypropylene plastic by M.A. Industries, Inc. (see attached data sheet). Would these be acceptable?
 - a. Please quote per the specifications, if there is a replacement or substitution requested, that will be handled with a Change Order after bidding.
30. Flared end sections (FESs) are noted per plans, but we do not see any specific details or requirements for such. Do you desire precast concrete FESs in accordance to MoDOT Std. Dwg. 732.00S or equal?
 - a. Yes, FES requirements shall be precast in accordance with MoDOT Std. Dwg 732.00S or equal.
31. It was noted in the pre-bid teleconference that the box culvert shown on Sht. C604 is to be designed by Contractor (which is common). However, we see no indication of such in the plans or specifications. For drainage structures that are to be Contractor-designed, what is the desired design parameters for structural loading (e.g. design fill height, HL-93 loading, etc.)?
 - a. The inside width of each box shall be 8'0" with a height of 7'0". The Contractor shall provide a Missouri structural engineered stamped submittal to size top slab, side walls and bottom slab. See sheets C656 to C658 for standard MoDOT details for RCB. The structural design for either Cast-In-Place or Precast shall be evaluated with the anticipated fill of 15' over the box culvert and an additional Live Load of 50,000 lbs.
32. Are stop signs sufficient traffic control for hauling across the road, or are flaggers required?
 - a. FR 2025 shall be closed for the duration of the project and will require Type III barricades as shown on the Phasing Plans and shall state "Road Closed". A flagger will not be required for this crossing as long as the road is closed.

33. Can you direct me to the location within the plans that show the box culvert dimensions (i.e. Wall Thickness, Lower & Upper Slab Thickness, Wing Wall Dimensions, etc.)?
- a. The inside width of each box shall be 8'0" with a height of 7'0". The Contractor shall provide a Missouri structural engineered stamped submittal to size top slab, side walls and bottom slab. See sheets C656 to C658 for standard MoDOT details for RCB. The structural design for either Cast-In-Place or Precast shall be evaluated with the anticipated fill of 15' over the box culvert and an additional Live Load of 50,000 lbs.

4. PRE-BID MEETING AGENDA AND SIGN IN SHEET

The Pre-Bid Meeting agenda and sign in sheet are attached.

Questions will be accepted via written email format only to Jviation, Inc. (Mark.Lovato@jviation.com) until Thursday June 4, 2020 at 5:00 p.m. (CST).

**** END OF ADDENDUM NO. 4 ****



Meeting Date / Location: Monday June 01, 2020 / Conference Call

Time: 2:00 P.M.

Project Name: Schedule I - Earthwork and Grading for Relocation of Runway
18/36

Project No.: State Block Grant Project No. AIR 206-098B
FAA Project No. 20-098B-1

Name	Company	Telephone No.	E-mail
From Emails:			
Darrell Goth	Aeronautics/MODOT		
Dennis Pyle	Monett City Administrator		
Howard Frazier	Airport Manager		
Joe Pestka	Jviation, Inc.	573.658.9475	Joe.Pestka@jviation.com
Mark Lovato	Jviation, Inc.	303.947.5724	Mark.Lovato@jviation.com
Jeffery Hogan	Jviation, Inc.	303.947.9074	Jeffery.Hogan@jviation.com
Steve Bubanovich	H R Quadri Contractors	573.945.2224	steveb@hrquadri.com
Bryce Buergin	Crossland Construction Company, Inc.	620.429.1414	bbuergin@crossland.com
Wade Evans	Crossland Construction Company, Inc.	620.429.1414	wevans@crossland.com
Colby Mitchell	Crossland Construction Company, Inc.	620.429.1414	cmitchell@crossland.com
Steve Houser	Crossland Construction Company, Inc.	620.429.1414	shouser@crossland.com
Kevin Jones	Capital Paving & Construction	573.645.2583	kjones@capitalpavingmo.com
Jim Fisher	Scurlock Industries of Springfield, Inc.	417.862.5088	jfisher@scurlockindustries.com
Chad Mosery	Sierra Bravo Contractors	618.625.3456	engineering@sierrabravocontractors.com
Barry Carter	Kolb Grading	636.441.0200	barryc@kobgrading.com
Brian VanCardo	Kolb Grading	636.441.0200	bvancardo@kolbgrading.com



Meeting Date / Location: Monday June 01, 2020 / Conference Call

Time: 2:00 P.M.

Project Name: Schedule I - Earthwork and Grading for Relocation of Runway
18/36

Project No.: State Block Grant Project No. AIR 206-098B
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Name	Company	Telephone No.	E-mail
<u>Gregg Harding</u>	<u>Young's General Contracting, Inc.</u>	<u>573.772.1289</u>	<u>gharding61@aol.com</u>
<u>Derrel Saucier</u>	<u>Young's General Contracting, Inc.</u>	<u>573.772.1289</u>	<u>djsaucier@centurytel.net</u>
<u>Rich O'Connor</u>	<u>Young's General Contracting, Inc.</u>	<u>573.772.1289</u>	<u></u>
<u>Steve Eoff</u>	<u>D&E Plumbing & Heating, Inc.</u>	<u>417.725.5300</u>	<u>deplbg01@yahoo.com</u>
<u>Cory Moffatt</u>	<u>Emery Sapp & Sons</u>	<u></u>	<u>cory.moffatt@emerysapp.com</u>
<u>Aaron Grothoff</u>	<u>Emery Sapp & Sons</u>	<u></u>	<u>aaron.grothoff@emerysapp.com</u>

Meeting Agenda

Pre-Bid Conference

State Block Grant Project No. AIR 206-098B

FAA Project No. 20-098B-1

Date: Monday June 1, 2020, 2:00 P.M. (CST)

Location: Conference Call

Schedule I - Earthwork and Grading for Relocation of Runway 18/36

1. RECORDING OF ATTENDEES (Sign-in Sheet)

- A. Recording of attendees, firm represented, phone number, and email. Please send mark.lovato@jviation.com an email with those that are attending.
- B. Attendance & Plan holder's list will be included with the next Addendum which will be issued following this meeting.
- C. This pre-bid meeting is not mandatory; however, the Contractor is required to become familiar with the project site conditions.

2. INTRODUCTIONS & PROJECT DESCRIPTION

- A. Airport Representatives
 1. Dennis Pyle, City Administrator
 2. Howard Frazier, Airport Manager
- B. Airport Engineering – Jviation, Inc.
 1. Joe Pestka, Project Director
 2. Mark Lovato, Project Manager
 3. Jeffery Hogan, Office Manager
- C. Project Schedules

Schedule I - Earthwork and Grading for Relocation of Runway 18/36

 - Jviation reviewed the construction drawings, including the following:
 - Phasing drawings
 - Grading plans
 - Erosion Control
 - Drainage profiles

D. Work Items:

SUMMARY OF APPROXIMATE QUANTITIES				
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	
			ESTIMATE	AS BUILT
C-105a	MOBILIZATION	LS	1	---
C-100a	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	---
C-102a	TEMPORARY EROSION CONTROL	LS	1	---
P-101a	MISCELLANEOUS DEMOLITION	LS	1	---
P-101b	REMOVE EXISTING BUILDINGS AND INFRASTRUCTURE / ABANDON UTILITIES	LS	1	---
P-101c	PAVEMENT REMOVAL	SY	3,900	---
P-151a	CLEARING AND GRUBBING	AC	200	---
P-151b	TREE REMOVAL	AC	40	---
P-152a	UNCLASSIFIED EXCAVATION - PLACED	CY	1,250,000	---
P-152b	UNCLASSIFIED EXCAVATION - STOCKPILED	CY	248,000	---
P-152c	ROCK EXCAVATION	CY	80,000	---
P-152d	SUBGRADE PREPARATION	SY	4,230	---
P-603a	EMULSIFIED ASPHALT TACK COAT	GAL	750	---
D-701a	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	515	---
D-701b	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	490	---
D-701c	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	175	---
D-701d	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	675	---
D-701e	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	680	---
D-701f	INSTALL TWO (2) 7' X 8' BOX CULVERT, HEADWALLS AND APRONS	LF	630	---
D-701g	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	1	---
D-701h	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	1	---
D-701i	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	2	---
D-701j	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	1	---
D-701k	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	2	---
D-710a	INSTALL GROUTED ROCK RIPRAP (TYPE M)	SY	2,000	---
D-751a	INSTALL AIRCRAFT RATED DOUBLE INLET	EA	2	---
D-751b	INSTALL AIRCRAFT RATED TRIPLE INLET	EA	1	---
D-752a	INSTALL DRAINAGE STRUCTURE AND SPILLWAY	EA	3	---
D-752b	INSTALL CONCRETE TRICKLE CHANNEL	LF	1,180	---
L-110a	EXCAVATE AND BACKFILL 4-FOOT TRENCH FOR ELECTRICAL CONDUIT	LF	2,800	---
L-110b	INSTALL 4-2" SCHEDULE 40 DUCT BANK (CE)	LF	75	---
T-901a	SEEDING WITH HYDROMULCH	AC	230	---
MoDOT -304a	AGGREGATE BASE COURSE - TYPE 5	CY	850	---
MoDOT-401a	BITUMINOUS ASPHALT PAVEMENT - BP-1	TON	1,120	---

3. BID OPENING

- A. Date: Monday June 8, 2020 at 2:00 P.M. (CST)
- B. Location: Monett City Hall
217 Fifth Street
Monett, MO 65708
- C. Bid Security: 5% of bid amount – Section 1-2
- D. Bid Proposal: Section B (print, fill out, and submit all Section B pages, exchange sheets revised with Addendums)
- E. Award: Section 1-2 - lowest qualifying bid – no split awards.

F. Federal Procurement Regulations:

- Code of Federal Regulations (CFR) Title 49 Part 18.36(c)(2) – No local preference given to prime contractors or subcontractors.

4. DBE GOALS

The requirements of 49 CFR part 26 apply to this contract. It is the policy of the [City of Monett – Airport Board](#) to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. The Owner encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

Contractor shall provide a certified statement signed by the subcontractors, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers that were used on the project through race neutral means.

3.00% of the Contract Amount.

5. QUALIFICATION OF BIDDERS

- A. Qualifications shall be furnished per Section 4-11, Paragraph 20-02. Each bidder shall furnish the Owner satisfactory evidence of his or her competency and financial responsibility to perform the proposed work.

6. ESTIMATED CRITICAL CONTRACT DATES

- A. Contract Award: July 2020 (Exact date TBD) – The signature of the bidder indicates that within thirty (30) calendar days from acceptance of its bid offer it will execute a contract with the Owner and, if indicated in this solicitation, furnish a project specific Certificate of Insurance naming the Owner as Additional Insured, furnish Performance and Payment Bonds and any other documents required by the Contract Documents.
- B. Notice to Proceed: Summer 2020, Refer to Section 4-39, Paragraph 80-02.
- C. Project Time: 215 Calendar Days from start date after Notice to Proceed. The project day count will be suspended in the event of a winter shutdown. Refer to Section 4-42, Paragraph 80-08 for more information.

7. BONDING

- A. Payment Bond: Section 3-3, 100% of Bid Amount. See Section B-29.
- B. Performance Bond: Section 3-5, 100% of Bid Amount. See Section B-25.

8. INSURANCE REQUIREMENTS

Refer to Section 4-105, Part 11:

“The Contractor shall pay for and maintain during the life of this contract adequate Workmen's Compensation, Public Liability and Property Damage Insurance. The Contractor is charged with the responsibility for adequate and proper coverage for all his subcontract operations. Contractor shall furnish to the Sponsor satisfactory proof of carriage of the insurance required. Public Liability Insurance shall be in the amount of not less than \$1,000,000.00 for injuries, including accidental death, to any one person, nor less than \$1,000,000.00 on account of any one accident. Property Damage Insurance shall be carried in

an amount not less than \$1,000,000.00. Such Liability Insurance shall include completed operation coverage.”

9. FEDERAL WAGE RATES (DAVIS BACON ACT)

Federal or MoDOT prevailing wage rates are required for this project, whichever is higher per job classification. Refer to Section 4-78, Item 9.

10. ENGINEER’S FIELD OFFICE

Required. Refer to Section 4-28, Paragraph 60-05 for more information.

11. LIQUIDATED DAMAGES

Refer to Section 4-42/43, Paragraph 80-08 and Section B-34 Article 6 for additional information.

- In the event of the need for weather day extension, the Contractor shall supply data in accordance with Contract Documents, Section 80.

12. CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)

- A. Intent is to minimize disruption to airport operations and provide safety to construction workers as well as aircraft operating at the Airport. See Sheets G050-G056 for detailed phasing requirements.
- B. The Contractor shall review and adhere to the requirements of the CSPP – See Appendix B.
- C. Safety Plan Compliance Document:

The Contractor shall submit a Safety Plan Compliance Document (SPCD) to the Engineer and Airport Operator prior to Notice to Proceed, as required by FAA Advisory Circular (AC) 150/5370-2G “Operational Safety on Airports During Construction.”

The items to be included in the SPCD include but are not limited to:

1. Specific hazard equipment and lighting to be used on the project.
2. Construction equipment heights.
3. Contractor’s contacts, and subcontractor’s contacts (including afterhours contact procedures).
4. List of construction personnel that will require security badging.
5. Statements on how the Contractor will adhere to the CSPP.
6. If the Contractor plans to deviate from the CSPP, these deviations shall be noted in SPCD and submitted for approval by the Engineer and Airport. (Examples will be made available to assist the Contractor with this requirement)

Refer to Section 2.4.2, page 2-4 of AC 150/5370-2G for additional details. This AC is included in the Contract Documents in Appendix A.

13. MISCELLANEOUS

- A. Quality Assurance Testing by **Engineer**. TSi to complete Acceptance Testing for **Engineer**.

- B. Quality Control by **Contractor** – Item C-100 (Section 4-53) & Section 4-104, Item 5. Contractor testing firm shall be separate from the Engineer.
 - 1. Contractor Quality Control Program (CQCP) submitted by Contractor prior to starting work – Section 4-53.
 - 2. Construction Management Plan – Compiled by Engineer and incorporates the CQCP. Refer to Section 4-108, Item 21.
- C. Survey Requirements – Refer to Section 4-22, Section 50-06 & Section 4-108, Item 20.
- D. The Contractor is responsible for acquiring any necessary permits.
- E. Contractor Access – The Contractor shall maintain gates guards at all times during operations while gates are open. If no gate guard is present, the gate shall be closed and locked.
- F. An FAA form 7460-1 has been submitted for construction. Any equipment/machinery exceeding 30 feet above ground level will require an additional 7460. In the event the Contractor has equipment that exceeds 30 feet above ground level, Jviation will assist the Contractor with the submittal of the 7460.
- G. The Contractor shall be responsible for verifying existing utility locations and depths as required for construction activities.
- H. Badging – Follow CSPP and Airport Requirements
 - 1. Should not be required.

14. QUESTIONS

Questions will be taken via written email format only to Jviation, Inc. (mark.lovato@jviation.com) until **Thursday June 4, 2020 at 5:00 p.m. (CST)**.

**Monett Regional Airport
AIR 206-098B Earthwork and Grading for Relocation
of Runway 18/36
Plan Holder's List**

ROLE	Company Name	CONTACT	STREET ADDRESS	CITY	STATE	ZIP	TELEPHONE NO.	EMAIL ADDRESS	FAX NUMBER
1	Jviation	Jviation, Inc.	Mark Lovato	900 S. Broadway, Ste. 350	Denver	CO	80209 303.524.3034	mark.lovato@jviation.com	
2	Jviation	Jviation, Inc.	Joe Pestka	931 Wildwood Drive, Suite 101	Jefferson City	MO	65109 573.658.9475	joe.pestka@jviation.com	
3	Jviation	Jviation, Inc.	Jeffery Hogan	405 South Main Street, Suite 950	Salt Lake City	UT	84111 801.924.5800	jeffery.hogan@jviation.com	
4	Jviation	Jviation, Inc.	Cindy Kever	931 Wildwood Drive, Suite 101	Jefferson City	MO	65109 573.658.9474	cindy.kever@jviation.com	
5	DOT	MoDOT	Darrell Goth						
6	Airport	Monett Regional Airport	Dennis Pyle						
7	Airport	Monett Regional Airport	Howard Frazier						
8	Prime	Emery Sapp & Sons, Inc.	Billy Wallis	5350 E. State Hwy AA	Springfield	MO	65803 (417) 459-0859	billy.wallis@emerysapp.com	(417) 833-9981
9	Prime	Emery Sapp & Sons, Inc.	Jack Rowden	5350 E. State Hwy AA	Springfield	MO	65803 (417) 833-9915	jack.rowden@emerysapp.com	
10	Prime	Emery Sapp & Sons, Inc. Columbia	Don Abell	2602 N. Stadium Blvd.	Columbia	MO	65202 573-445-8331	don.abell@emerysapp.com	573-446-4805
11	Prime	Robertson Contractors, Inc.	Travis Slayton	1909 S Westwood Blvd.	Poplar Bluff	MO	63901 (573) 785-0880	traviss@robertsoncontractors.com	
12	Prime	NB West Contracting	Justin Zimpfer	2780 Mary Ave.	St. Louis	MO	63144 (314) 210-3356	jzimpfer@nbwest.com	
13	Prime	Jeff Asbell Excavating and Trucking	Rusty Snyder	9400 State Hwy 171	Carl Junction	MO	64834 (417) 649-1269	rsnyder@jeffasbell.com	
14	Sub	United Contractors Midwest, Inc.	Rich Mander	3151 Robbins Rd	Springfield	IL	62704 (217) 546-6192	rich.mander@ucm.biz	(217) 546-1904
15	Plan Room	ePlan	Taylor H	1400 Forum Blvd Suite 7B	Columbia	MO	65203 573-447-7130	cpplan@cpplanbidding.com	573-355-5404
16	Plan Room	Construct Connect	Ron Ross	30 technology parkway south suite 100	Norcross	GA	30092 323-602-5079	ron.ross@constructconnect.com	
17	Sub	Crawford, Murphy & Tilly, Inc.	Peter Stevens	1631 W. Elfindale	Springfield	MO	65807 (417) 799-6251	pstevens@cmtengr.com	
18	Sub	TSI Geotechnical, Inc.	Shannon Stafford	8248 NW 101st Terrace, #5	Kansas City	MO	64153 (913) 424-5635	ssafford@tsigitech.com	
19	Prime	Bob Bergkamp Construction	Loren Schroeder	3709 S. West St	Wichita	KS	67217 (316) 213-2311	lschroeder@bergkampconstruction.com	
20	Sub	Southwest Missouri Traffic Management	Sid Davis	5863 Lark Road	Diamond	MO	64840 (417) 592-1223	manderson@swmotm.com	
21	Prime	Hartman & Co., Inc.	Larry Henderson	1200 East Woodhurst Suite 1200	Springfield	MO	65804 417-882-2062	larryhenderson@hartmancomo.com	417-882-2702
22	Sub	Double S Dirt Works Inc	Zac Short	P.O. Box 87	Liberal	MO	64762 (417) 843-2185	zac.ssdirtworks@windstream.net	
23	Prime	Graham County Land Company, LLC	Dakota Burdette	750 Tallulah Road	Robbinsville	NC	28771 (828) 479-3581	KOTY@GCLNC.COM	(828) 479-0339
24	Prime	Capital Paving & Construction	Kevin Jones	117 Commerce Drive	Jefferson City	MO	65109 (573) 645-2583	kjones@capitalpavingmo.com	
25	Sub	K.W. Luetkemeyer Painting	Mike Luetkemeyer	6613 Business 50 West	Jefferson City	MO	65109 (573) 893-7196	kwlpainting1@gmail.com	(573) 761-4177
26	Prime	D & E Plumbing & Heating, Inc.	Steve Eoff	1112 N. Falcon Crest Court	Nixa	MO	65714 417-725-5300	deplb01@yahoo.com	417-725-5610
27	Prime	Emery Sapp & Sons, Inc.	Andy Baker	2301 I-70 DRIVE NW	Columbia	MO	65202 573-445-8331	andy.baker@emerysapp.com	(573) 445-8331

**Monett Regional Airport
AIR 206-098B Earthwork and Grading for Relocation
of Runway 18/36
Plan Holder's List**

[illegible]

Monett Regional Airport
AIR 206-098B Earthwork and Grading for Relocation
of Runway 18/36
Plan Holder's List

ROLE	Company Name	CONTACT	STREET ADDRESS	CITY	STATE	ZIP	TELEPHONE NO.	EMAIL ADDRESS	FAX NUMBER

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	MOBILIZATION	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-100a	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	TEMPORARY EROSION CONTROL	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	MISCELLANEOUS DEMOLITION	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101b	REMOVE EXISTING BUILDINGS AND INFRASTRUCTURE / ABANDON UTILITIES	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101c	PAVEMENT REMOVAL	at the unit price of: _____ dollars and _____ cents.	SY	3,900	\$	\$
P-151a	CLEARING AND GRUBBING	at the unit price of: _____ dollars and _____ cents.	AC	200	\$	\$
P-151b	TREE REMOVAL	at the unit price of: _____ dollars and _____ cents.	AC	40	\$	\$
P-152a	UNCLASSIFIED EXCAVATION - PLACED	at the unit price of: _____ dollars and _____ cents.	CY	1,250,000	\$	\$
P-152b	UNCLASSIFIED EXCAVATION - STOCKPILED	at the unit price of: _____ dollars and _____ cents.	CY	248,000	\$	\$
P-152c	ROCK EXCAVATION	at the unit price of: _____ dollars and _____ cents.	CY	80,000	\$	\$
P-152d	SUBGRADE PREPARATION	at the unit price of: _____ dollars and _____ cents.	SY	4,230	\$	\$
P-603a	EMULSIFIED ASPHALT TACK COAT	at the unit price of: _____ dollars and _____ cents.	GAL	750	\$	\$
D-701a	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - CLASS V	at the unit price of: _____ dollars and _____ cents.	LF	515	\$	\$
D-701b	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - CLASS V	at the unit price of: _____ dollars and _____ cents.	LF	490	\$	\$
D-701c	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - CLASS V	at the unit price of: _____ dollars and _____ cents.	LF	175	\$	\$

SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
D-701d	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - CLASS V	at the unit price of: _____ dollars and _____ cents.	LF	675	\$	\$
D-701e	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - CLASS V	at the unit price of: _____ dollars and _____ cents.	LF	680	\$	\$
D-701f	INSTALL TWO (2) 7' X 8' BOX CULVERT, HEADWALLS AND APRONS	at the unit price of: _____ dollars and _____ cents.	LF	630	\$	\$
D-701g	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	at the unit price of: _____ dollars and _____ cents.	EA	3	\$	\$
D-701h	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
D-701i	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	at the unit price of: _____ dollars and _____ cents.	EA	2		
D-701j	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
D-701k	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	at the unit price of: _____ dollars and _____ cents.	EA	3	\$	\$
D-710a	INSTALL GROUTED ROCK RIPRAP (TYPE M)	at the unit price of: _____ dollars and _____ cents.	SY	2,000	\$	\$
D-751a	INSTALL AIRCRAFT RATED DOUBLE INLET	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
D-751b	INSTALL AIRCRAFT RATED TRIPLE INLET	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
D-752a	INSTALL DRAINAGE STRUCTURE AND SPILLWAY	at the unit price of: _____ dollars and _____ cents.	EA	3	\$	\$
D-752b	INSTALL CONCRETE TRICKLE CHANNEL	at the unit price of: _____ dollars and _____ cents.	LF	1,180	\$	\$
L-110a	EXCAVATE AND BACKFILL 4-FOOT TRENCH FOR ELECTRICAL CONDUIT	at the unit price of: _____ dollars and _____ cents.	LF	2,800	\$	\$
L-110b	INSTALL 4-2" SCHEDULE 40 DUCT BANK (CE)	at the unit price of: _____ dollars and _____ cents.	LF	75	\$	\$




SCHEDULE I						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
T-901a	SEEDING WITH HYDROMULCH	at the unit price of: _____ dollars and _____ cents.	AC	230	\$	\$
MoDOT -304a	AGGREGATE BASE COURSE - TYPE 5	at the unit price of: _____ dollars and _____ cents.	CY	850	\$	\$
MoDOT-401a	BITUMINOUS ASPHALT PAVEMENT - BP-1	at the unit price of: _____ dollars and _____ cents.	TON	1,120	\$	\$

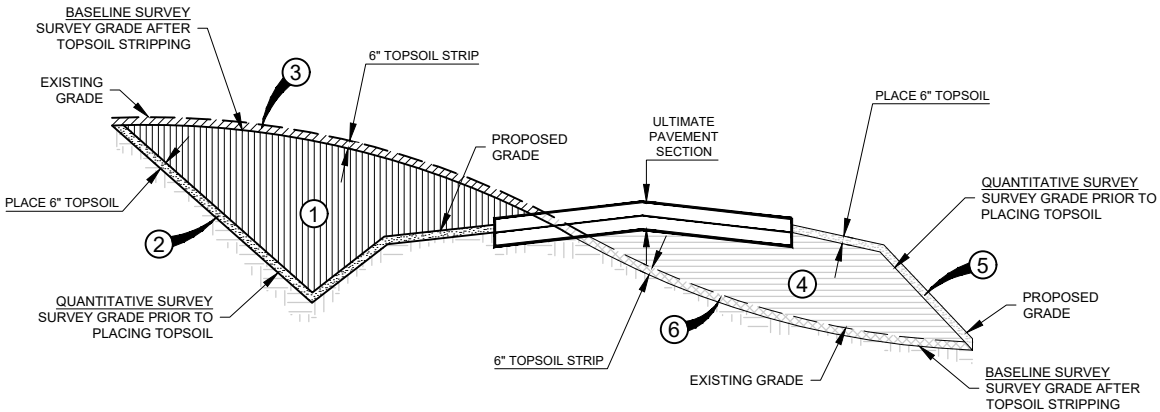
SCHEDULE I TOTAL \$ _____

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Sheet List Table		
SHEET NO	SHEET I.D.	SHEET DESCRIPTION
1	G001	COVER SHEET
2	G002	INDEX OF DRAWINGS AND SUMMARY OF APPROXIMATE QUANTITIES
3	G003	GENERAL NOTES
4	G004	GENERAL NOTES
5	G005	MASTER LEGEND AND ABBREVIATIONS
6	G006	SURVEY CONTROL PLAN
7	G020	GEOTECHNICAL INVESTIGATION PLAN AND BORE LOGS
8	G021	GEOTECHNICAL INVESTIGATION BORE LOGS
9	G022	GEOTECHNICAL INVESTIGATION BORE LOGS
10	G023	GEOTECHNICAL INVESTIGATION BORE LOGS
11	G024	GEOTECHNICAL INVESTIGATION BORE LOGS
12	G025	GEOTECHNICAL INVESTIGATION BORE LOGS
13	G026	GEOTECHNICAL INVESTIGATION BORE LOGS
14	G027	GEOTECHNICAL INVESTIGATION BORE LOGS
15	G028	GEOTECHNICAL INVESTIGATION BORE LOGS
16	G029	GEOTECHNICAL INVESTIGATION BORE LOGS
17	G030	GEOTECHNICAL INVESTIGATION BORE LOGS
18	G050	CONSTRUCTION SAFETY NOTES AND DETAILS
19	G051	CONSTRUCTION SAFETY PHASING NOTES
20	G052	CONSTRUCTION SAFETY PLAN OVERALL PHASING
21	G053	CONSTRUCTION SAFETY PLAN PHASE 1
22	G054	CONSTRUCTION SAFETY PLAN PHASE 2
23	G055	CONSTRUCTION SAFETY PLAN PHASE 3
24	G056	CONSTRUCTION SAFETY PLAN PHASE 4
25	C100	DEMOLITION PLAN
26	C101	DEMOLITION PLAN
27	C102	DEMOLITION PLAN
28	C103	DEMOLITION PLAN
29	C104	DEMOLITION PLAN
30	C300	GRADING AND SPOT ELEVATION PLAN
31	C301	GRADING AND SPOT ELEVATION PLAN
32	C302	GRADING AND SPOT ELEVATION PLAN
33	C303	GRADING AND SPOT ELEVATION PLAN
34	C304	GRADING AND SPOT ELEVATION PLAN
35	C305	GRADING AND SPOT ELEVATION PLAN
36	C306	GRADING AND SPOT ELEVATION PLAN
37	C307	GRADING AND SPOT ELEVATION PLAN
38	C308	GRADING AND SPOT ELEVATION PLAN
39	C309	GRADING AND SPOT ELEVATION PLAN
40	C310	GRADING AND SPOT ELEVATION PLAN
41	C311	GRADING AND SPOT ELEVATION PLAN
42	C312	GRADING AND SPOT ELEVATION PLAN
43	C313	GRADING AND SPOT ELEVATION PLAN
44	C314	GRADING AND SPOT ELEVATION PLAN
45	C315	GRADING AND SPOT ELEVATION PLAN
46	C316	GRADING AND SPOT ELEVATION PLAN
47	C317	GRADING AND SPOT ELEVATION PLAN
48	C350	TYPICAL SECTIONS
49	C400	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. -10+00.00 TO STA. -1+00.00
50	C401	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. -1+00.00 TO STA. 11+50.00
51	C402	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. 11+50.00 TO STA. 24+00.00
52	C403	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. 24+00.00 TO STA. 36+50.00
53	C404	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. 36+50.00 TO STA. 49+00.00
54	C405	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. 49+00.00 TO STA. 61+50.00
55	C406	PROPOSED RUNWAY 18/36 PLAN AND PROFILE STA. 61+50.00 TO STA. 74+00.00
56	C500	PROPOSED FR 2025 PLAN AND PROFILE STA. 1+00 TO STA 13+50
57	C501	PROPOSED FR 2025 PLAN AND PROFILE STA. 13+50 TO STA 26+00
58	C600	PROPOSED STORM LINE 1 PLAN AND PROFILE
59	C601	PROPOSED STORM LINE 2 PLAN AND PROFILE
60	C602	PROPOSED STORM LINE 3 PLAN AND PROFILE
61	C603	PROPOSED STORM LINE 4 PLAN AND PROFILE
62	C604	PROPOSED STORM LINE 5 TWIN BOX CULVERTS PLAN AND PROFILE
63	C650	DETENTION POND J OUTLET STRUCTURE
64	C651	DETENTION POND B OUTLET STRUCTURE
65	C652	DETENTION POND C OUTLET STRUCTURE
66	C655	STORM DRAINAGE DETAILS
67	C656	STORM DRAINAGE DETAILS
68	C657	STORM DRAINAGE DETAILS
69	C658	STORM DRAINAGE DETAILS

70	C700	CROSS SECTIONS
71	C701	CROSS SECTIONS
72	C702	CROSS SECTIONS
73	C703	CROSS SECTIONS
74	C704	CROSS SECTIONS
75	C705	CROSS SECTIONS
76	C706	CROSS SECTIONS
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87	C717	CROSS SECTIONS
88	C718	CROSS SECTIONS
89	C719	CROSS SECTIONS
90	C720	CROSS SECTIONS
91	C721	CROSS SECTIONS
92	C722	CROSS SECTIONS
93	C723	CROSS SECTIONS
94	C724	CROSS SECTIONS
95	C725	CROSS SECTIONS
96	C726	CROSS SECTIONS
97	C800	EROSION CONTROL PLAN
98	C801	EROSION CONTROL PLAN
99	C802	EROSION CONTROL PLAN
100	C803	EROSION CONTROL PLAN
101	C804	EROSION CONTROL PLAN
102	C850	EROSION CONTROL DETAILS
103	C851	EROSION CONTROL DETAILS



SUMMARY OF APPROXIMATE QUANTITIES				
ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I	
			ESTIMATE	AS BUILT
C-105a	MOBILIZATION	LS	1	---
C-100a	CONTRACTOR QUALITY CONTROL PROGRAM (CQCP)	LS	1	---
C-102a	TEMPORARY EROSION CONTROL	LS	1	---
P-101a	MISCELLANEOUS DEMOLITION	LS	1	---
P-101b	REMOVE EXISTING BUILDINGS AND INFRASTRUCTURE / ABANDON UTILITIES	LS	1	---
P-101c	PAVEMENT REMOVAL	SY	3,900	---
P-151a	CLEARING AND GRUBBING	AC	200	---
P-151b	TREE REMOVAL	AC	40	---
P-152a	UNCLASSIFIED EXCAVATION - PLACED	CY	1,250,000	---
P-152b	UNCLASSIFIED EXCAVATION - STOCKPILED	CY	248,000	---
P-152c	ROCK EXCAVATION	CY	80,000	---
P-152d	SUBGRADE PREPARATION	SY	4,230	---
P-603a	EMULSIFIED ASPHALT TACK COAT	GAL	750	---
D-701a	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	515	---
D-701b	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	490	---
D-701c	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	175	---
D-701d	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	675	---
D-701e	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - CLASS V	LF	680	---
D-701f	INSTALL TWO (2) 7' X 8' BOX CULVERT, HEADWALLS AND APRONS	LF	630	---
D-701g	INSTALL 18 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	3 	---
D-701h	INSTALL 30 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	1	---
D-701i	INSTALL 36 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	2	---
D-701j	INSTALL 42 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	1	---
D-701k	INSTALL 54 - INCH REINFORCED CONCRETE PIPE - FLARED END SECTION (FES)	EA	3 	---
D-710a	INSTALL GROUTED ROCK RIPRAP (TYPE M)	SY	2,000	---
D-751a	INSTALL AIRCRAFT RATED DOUBLE INLET	EA	1 	---
D-751b	INSTALL AIRCRAFT RATED TRIPLE INLET	EA	1	---
D-752a	INSTALL DRAINAGE STRUCTURE AND SPILLWAY	EA	3	---
D-752b	INSTALL CONCRETE TRICKLE CHANNEL	LF	1,180	---
L-110a	EXCAVATE AND BACKFILL 4-FOOT TRENCH FOR ELECTRICAL CONDUIT	LF	2,800	---
L-110b	INSTALL 4-2" SCHEDULE 40 DUCT BANK (CE)	LF	75	---
T-901a	SEEDING WITH HYDROMULCH	AC	230	---
MoDOT -304a	AGGREGATE BASE COURSE - TYPE 5	CY	850	---
MoDOT-401a	BITUMINOUS ASPHALT PAVEMENT - BP-1	TON	1,120	---



TOTAL EXCAVATION (PAY)

- 
 ① UNCLASSIFIED EXCAVATION VOLUME P-152a (PLACED) & P-152b (STOCKPILED)
- 
 ② TOPSOIL VOLUME AT EXCAVATION (PLACED) INCIDENTAL TO P-151a
- 
 ③ TOPSOIL VOLUME AT EXCAVATION AND EMBANKMENT (STRIPPED) PAID BY P-151a
- 
 ⑥

TOTAL EMBANKMENT (NO PAY)

- 
 ④ EMBANKMENT VOLUME (FROM ONSITE OR BORROW SOURCE)
- 
 ⑤ TOPSOIL VOLUME AT EMBANKMENT (PLACED) INCIDENTAL TO P-151a

P-152 EARTHWORK VOLUME SUMMARY				
SCH. 1	AREA DESCRIPTION	APPROX. CUT (CY)	APPROX. FILL (CY)	APPROX. STOCKPILE (CY)
		P-152	P-152	P-152
TOTAL	RUNWAY 18/36 RELOCATION	1,345,264	1,120,462	224,802 (FILL)

NOTES:

- THESE QUANTITIES ARE RAW AND UNADJUSTED.
- SEE DETAIL (THIS SHEET) FOR VOLUME CALCULATION.
- TOPSOIL SHALL BE GENERATED FROM CLEARING AND GRUBBING. CLEARING AND GRUBBING FOR TOPSOIL SHALL BE APPROXIMATELY 6 INCHES IN DEPTH. THE SITE SHALL BE CLEARED AND GRUBBED AND THE MATERIAL USED FOR TOPSOIL SHALL BE STOCKPILED AND PLACED AT THE CONCLUSION OF EARTHWORK OPERATIONS. THE COST TO STRIP THE TOPSOIL, STOCKPILE AND PLACE AGAIN SHALL BE INCIDENTAL TO CLEARING AND GRUBBING. NO ADDITIONAL PAYMENT WILL BE MADE FOR RE-HANDLING OF THE TOPSOIL FROM CLEARING AND GRUBBING OPERATIONS.

ISSUED FOR BID



FOR AND ON BEHALF OF JVIATION , INC.

JVIATION®

MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: D.W.C.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

INDEX OF DRAWINGS AND SUMMARY
OF APPROXIMATE QUANTITIES

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

JVIATION PROJ. NO.
2019.HFJ.01

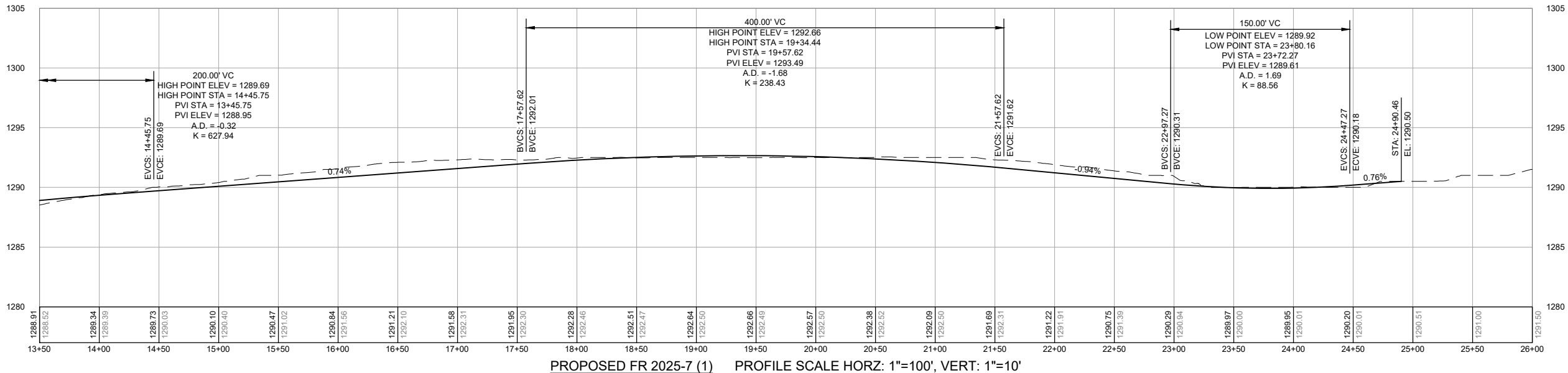
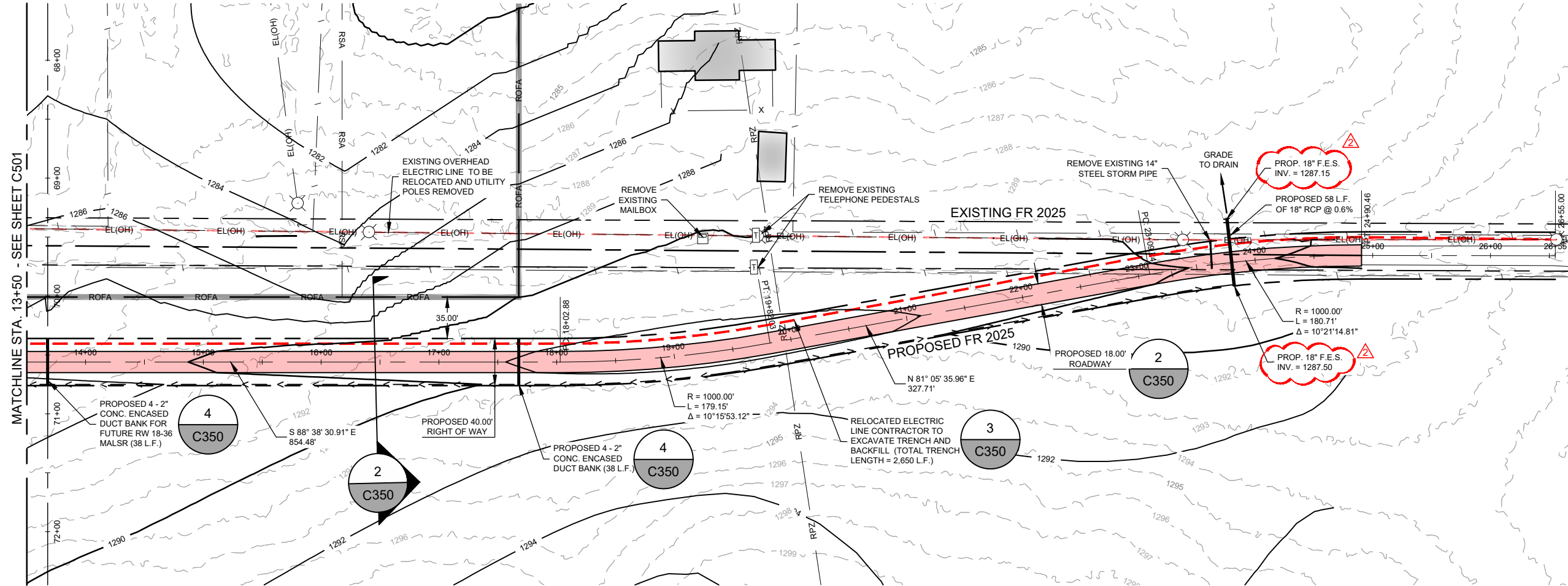
SHEET NAME

G002

SHEET NO.

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KEYMAP

PLAN LEGEND

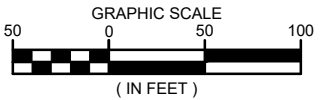
- 1220 — EXISTING MAJOR CONTOUR
- 1221 — EXISTING MINOR CONTOUR
- 1220 — PROPOSED MAJOR CONTOUR
- 1221 — PROPOSED MINOR CONTOUR
- > — SWALE FLOW LINE

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION THIS CONTRACT

PLAN AND PROFILE NOTES

- REFER TO SHEET C350 FOR TYPICAL SECTIONS.
- REFER TO SHEETS C300 THRU C317 FOR SPOT ELEVATIONS.
- THE DEPTH OF EXISTING UTILITIES WAS DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
- CONTRACTOR TO VERIFY EXISTING TIE POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- LABELS ON ULTIMATE GRADE PROFILE ARE FOR FUTURE RUNWAY PAVEMENT, NOT THIS CONTRACT, SEE PROFILE BAND FOR GRADES ASSOCIATED TO THIS PROJECT.



ISSUED FOR BID



FOR AND ON BEHALF OF JVIATION, INC.

JVIATION

MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: D.W.C.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

PROPOSED FR 2025
PLAN AND PROFILE
STA. 13+50 TO STA 26+00

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

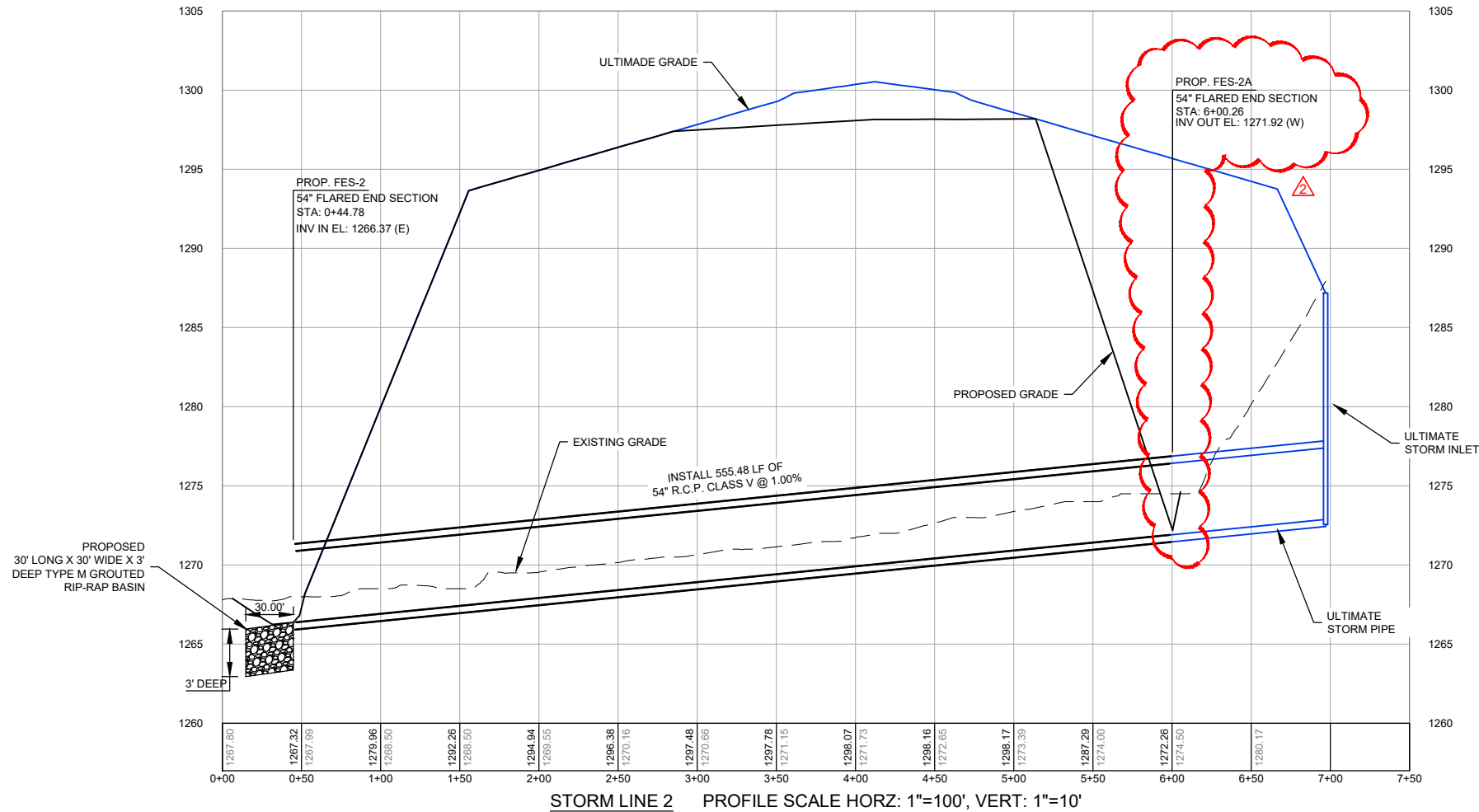
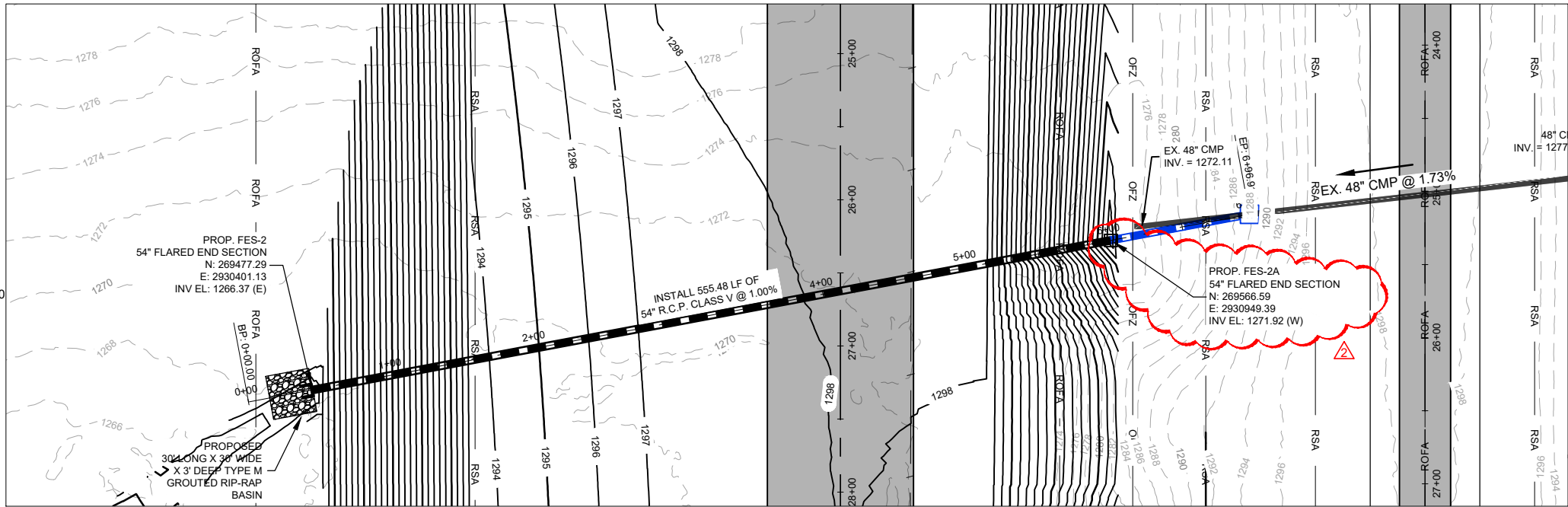
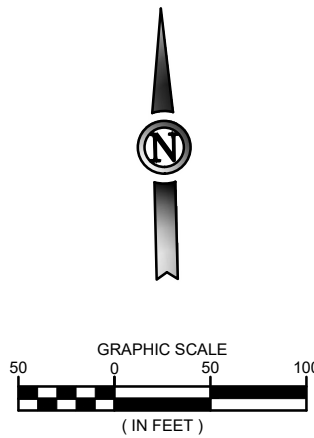
JVIATION PROJ. NO.
2019.HFJ.01

SHEET NAME

C501

SHEET NO.

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KEYMAP

PLAN LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SWALE FLOW LINE
- PROPOSED STORM PIPE
- FUTURE STORM PIPE
- PROPOSED STORM INLET
- FUTURE STORM INLET
- PROPOSED RIP-RAP

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION THIS CONTRACT

STORM PLAN AND PROFILE NOTES

- REFER TO SHEET C350 FOR TYPICAL SECTIONS.
- REFER TO SHEETS C300 THRU C317 FOR SPOT ELEVATIONS.
- THE DEPTH OF EXISTING UTILITIES WAS DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
- CONTRACTOR TO VERIFY EXISTING TIE POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

ISSUED FOR BID



FOR AND ON BEHALF OF JVIATION, INC.

JVIATION

MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: D.W.C.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

PROPOSED STORM LINE 2
PLAN AND PROFILE

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

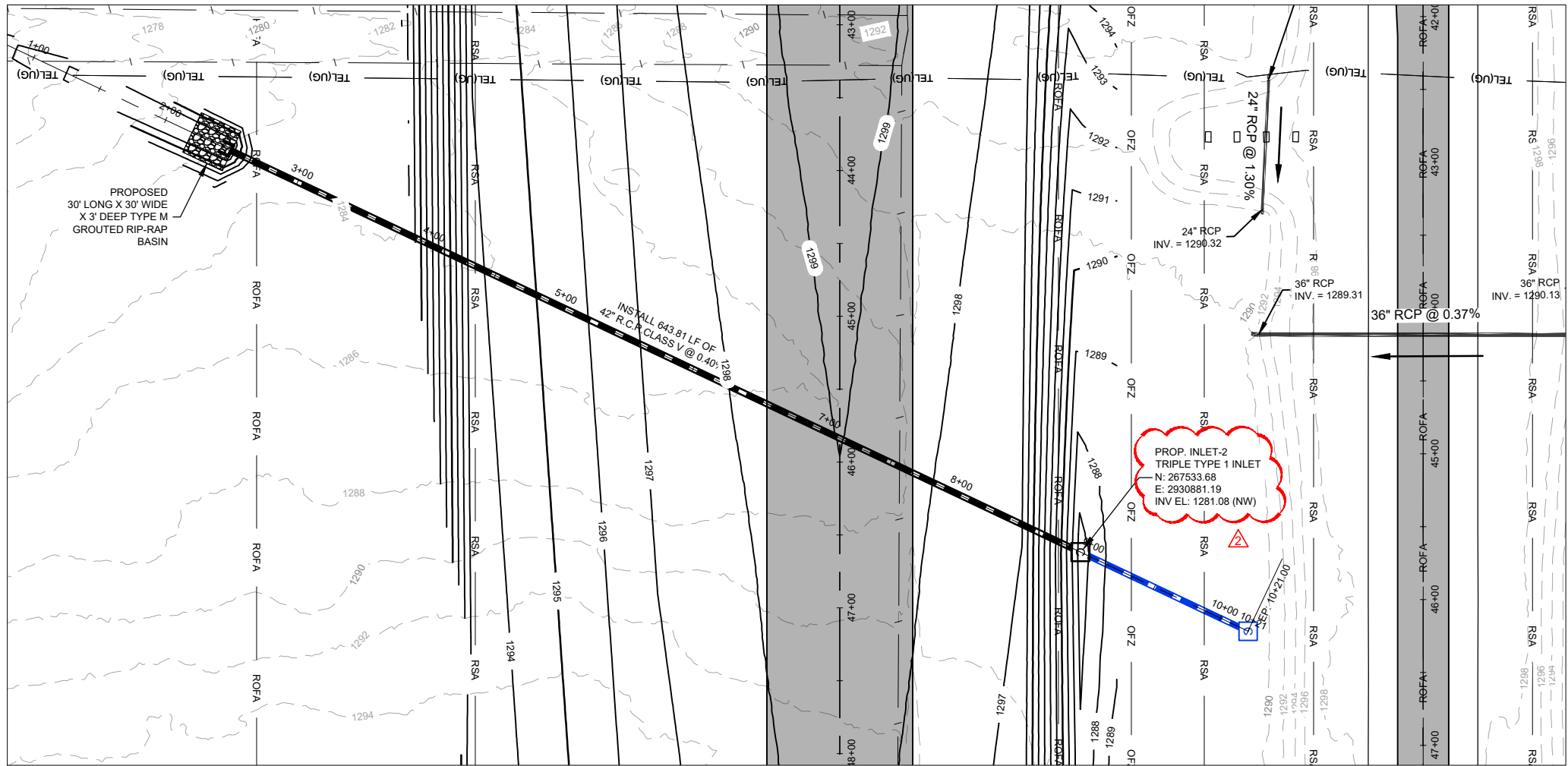
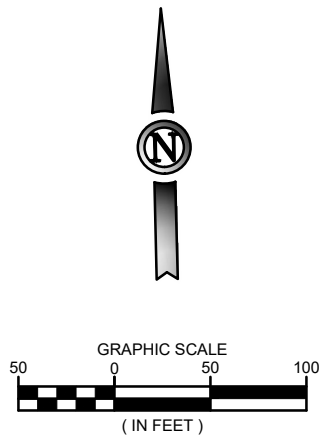
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2019.HFJ.01

SHEET NAME

C601

SHEET NO.

59 of 103



KEYMAP

PLAN LEGEND

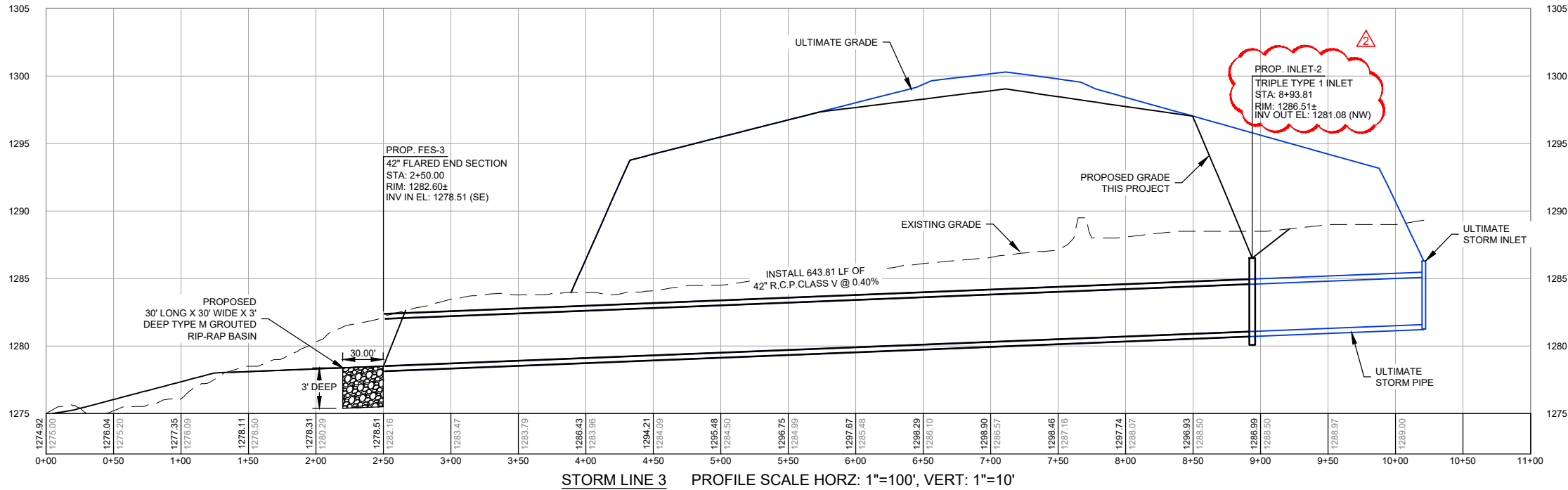
- 1220 EXISTING MAJOR CONTOUR
- 1221 EXISTING MINOR CONTOUR
- 1220 PROPOSED MAJOR CONTOUR
- 1221 PROPOSED MINOR CONTOUR
- SWALE FLOW LINE
- PROPOSED STORM PIPE
- FUTURE STORM PIPE
- PROPOSED STORM INLET
- FUTURE STORM INLET
- PROPOSED RIP-RAP

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION THIS CONTRACT

STORM PLAN AND PROFILE NOTES

- REFER TO SHEET C350 FOR TYPICAL SECTIONS.
- REFER TO SHEETS C300 THRU C317 FOR SPOT ELEVATIONS.
- THE DEPTH OF EXISTING UTILITIES WAS DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
- CONTRACTOR TO VERIFY EXISTING TIE POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.



STORM LINE 3 PROFILE SCALE HORZ: 1"=100', VERT: 1"=10'

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FOR AND ON BEHALF OF JVIATION, INC.



MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: D.W.C.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

PROPOSED STORM LINE 3
PLAN AND PROFILE

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

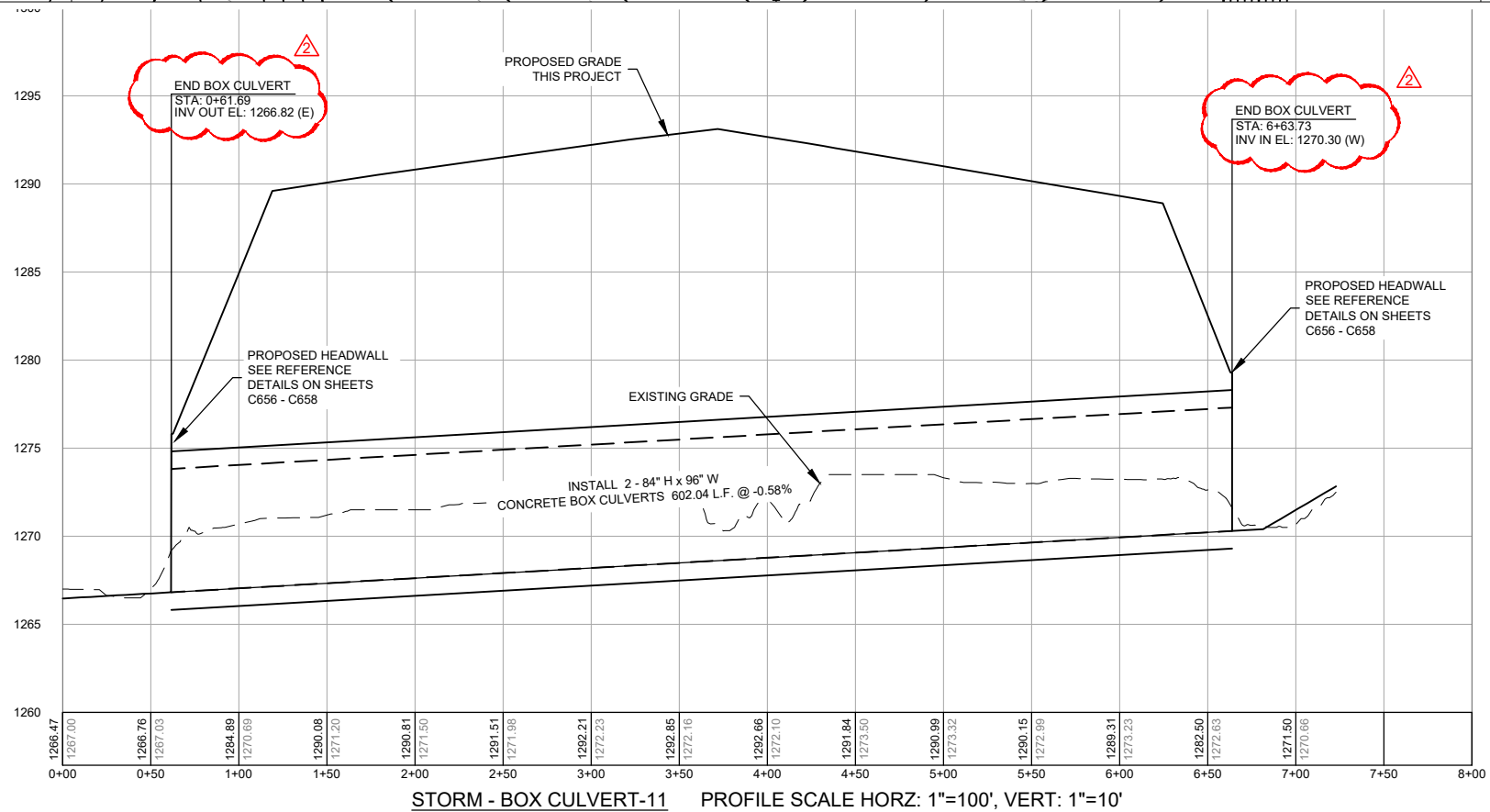
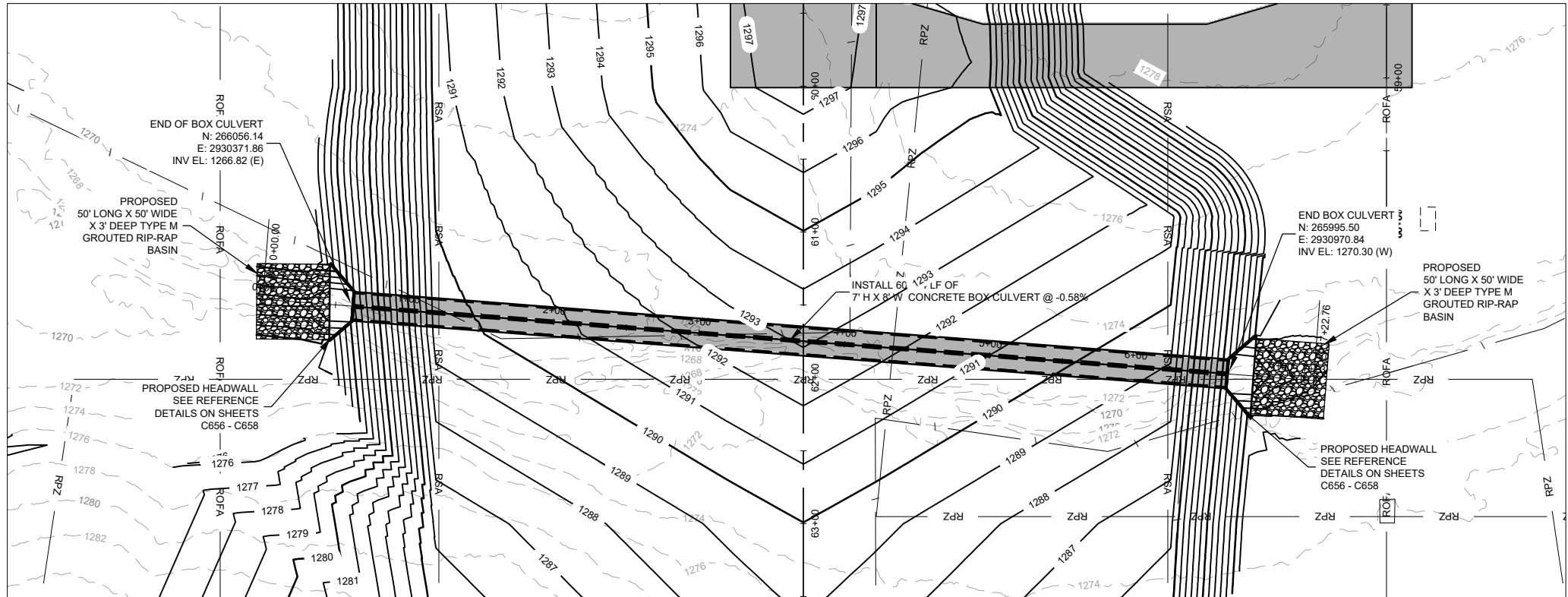
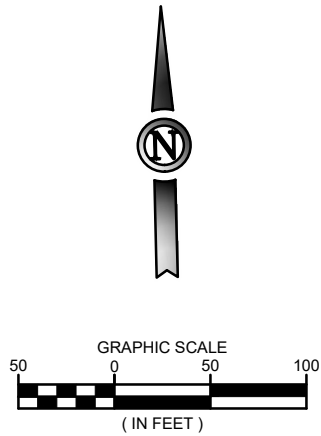
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2019.HFJ.01

SHEET NAME

C602

SHEET NO.

60 of 103



STORM - BOX CULVERT-11 PROFILE SCALE HORIZ: 1"=100', VERT: 1"=10'



KEYMAP

PLAN LEGEND

- 1220 EXISTING MAJOR CONTOUR
- 1221 EXISTING MINOR CONTOUR
- 1220 PROPOSED MAJOR CONTOUR
- 1221 PROPOSED MINOR CONTOUR
- > > > SWALE FLOW LINE
- PROPOSED STORM PIPE
- FUTURE STORM PIPE
- PROPOSED STORM INLET
- FUTURE STORM INLET
- PROPOSED RIP-RAP

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION THIS CONTRACT

STORM PLAN AND PROFILE NOTES

- REFER TO SHEET C350 FOR TYPICAL SECTIONS.
- REFER TO SHEETS C300 THRU C317 FOR SPOT ELEVATIONS.
- THE DEPTH OF EXISTING UTILITIES WAS DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
- CONTRACTOR TO VERIFY EXISTING TIE POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

BOX CULVERT NOTES:

- CONTRACTOR TO PROVIDE STRUCTURAL ENGINEERING CALCULATIONS FOR THE BOX CULVERT PERFORMED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI.
- STRUCTURAL ENGINEER SHALL USE MoDOT CONCRETE DOUBLE BOX CULVERT AS REFERENCED ON SHEETS C656-C658

ISSUED FOR BID



FOR AND ON BEHALF OF JVIATION, INC.

JVIATION®

MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: D.W.C.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

PROPOSED STORM LINE 5
TWIN BOX CULVERTS
PLAN AND PROFILE

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

JVIATION PROJ. NO.
2019.HFJ.01

SHEET NAME

C604

SHEET NO.

62 of 103

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C:\P2020\New Runway 18-36 Design\CADD\PLAN\065-HF-20-01-C650-POND-DET.dwg

JVIATION

MONETT REGIONAL AIRPORT
PIERCE CITY, MISSOURI



DES: M.J.L.

DR: D.W.C.

CH: C.L.G.

APP: M.J.L.

ISSUE RECORD

NO.	BY	DATE	DESCRIPTION
1	M.J.L.	05/18/2020	ISSUED FOR BID
2	M.J.L.	06/02/2020	ADDENDUM NO. 4

EARTHWORK AND GRADING FOR
RELOCATION OF RUNWAY 18/36

DETENTION POND J
OUTLET STRUCTURE

FAA / MoDOT PROJ. NO.
20-098B-1 / AIR 206-098B

JVIATION PROJ. NO.
2019.HFJ.01

SHEET NAME

C650

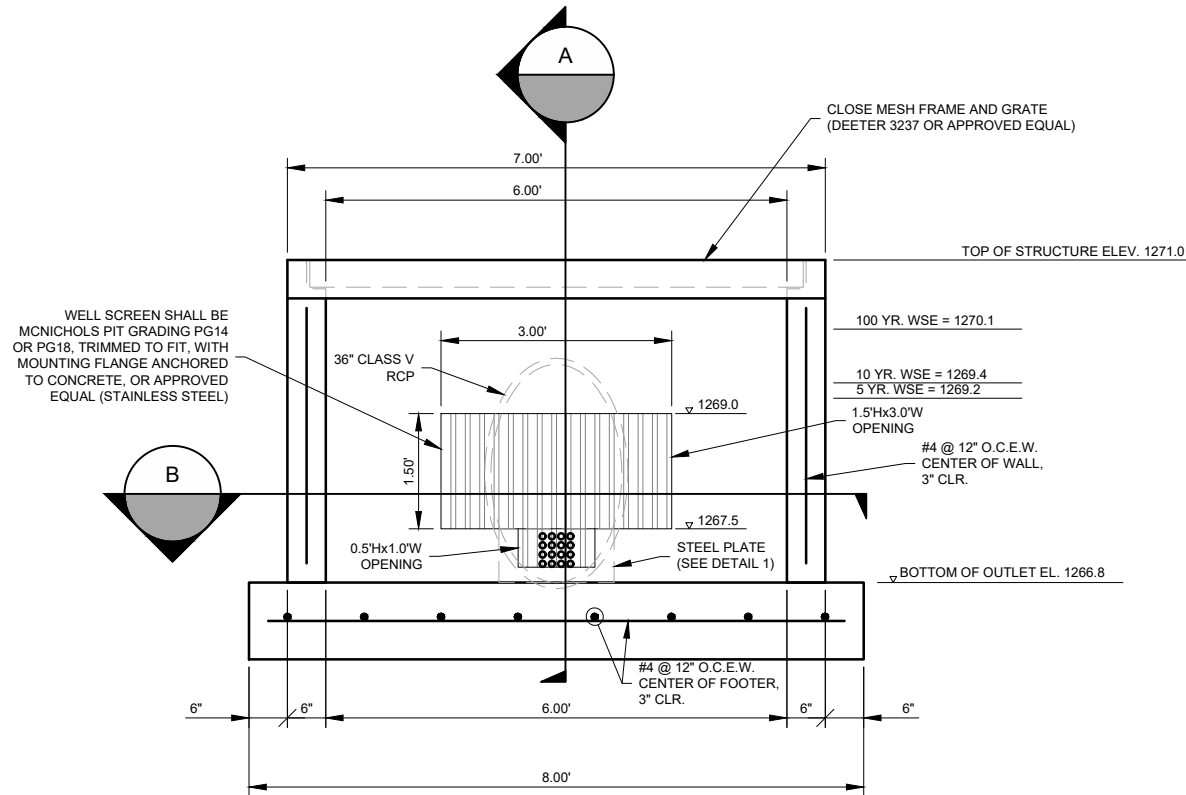
SHEET NO.

63 of 103

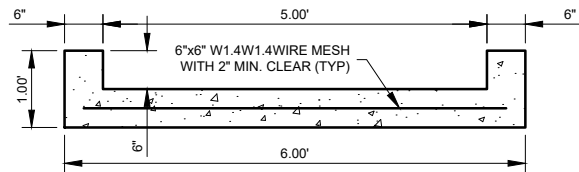
ISSUED FOR BID



FOR AND ON BEHALF OF JVIATION, INC.

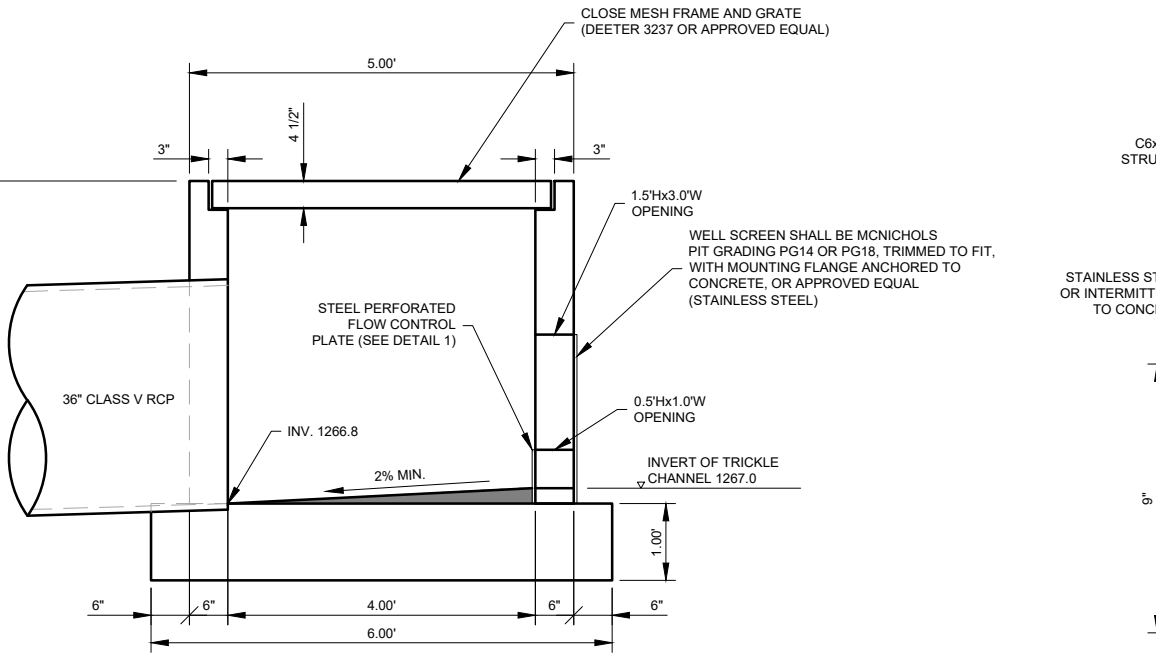


PRECAST GRATED INLET ELEVATION

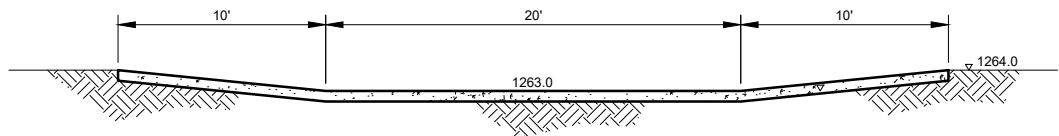


TRICKLE CHANNEL

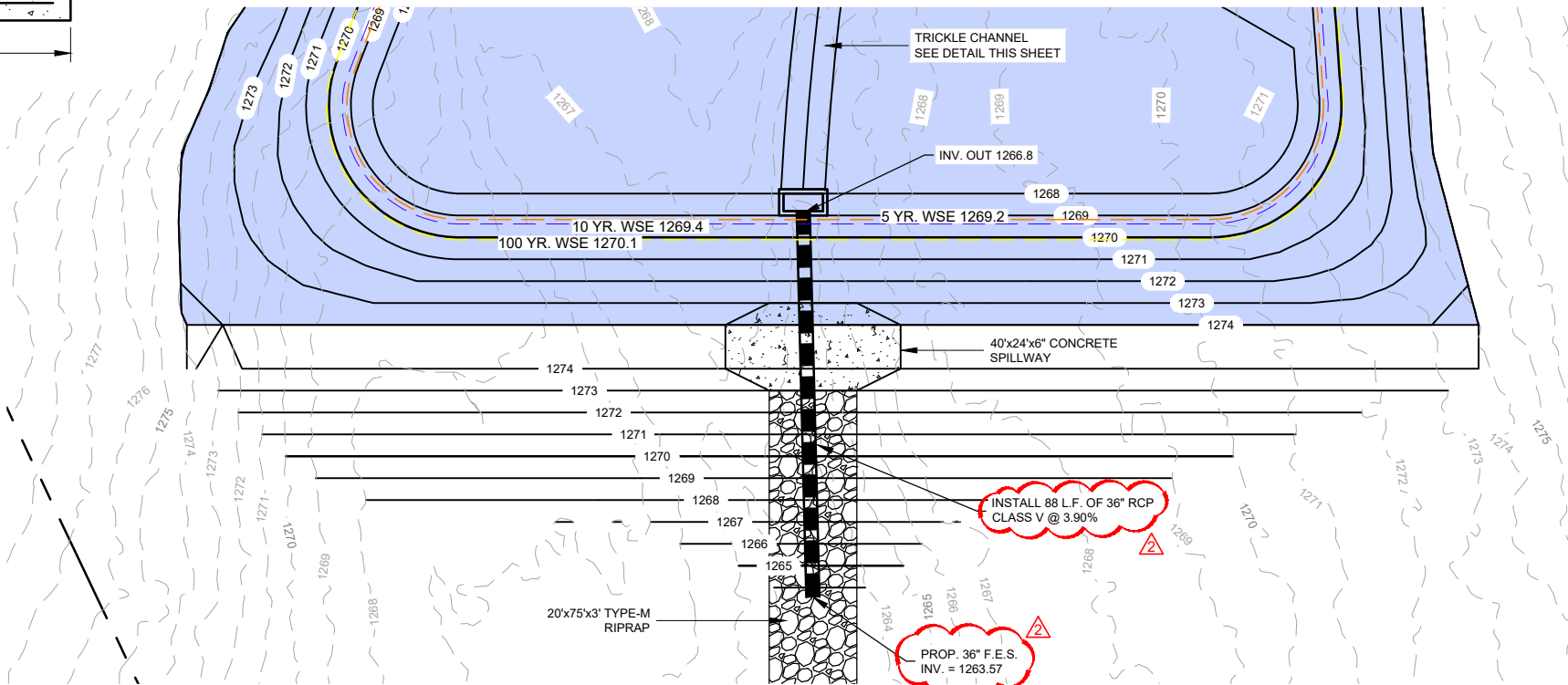
ELEV.	SQ. FT.
1274	80334
1273	69646
1272	62234
1271	55453
1270	49560
1269	34719
1268	15068



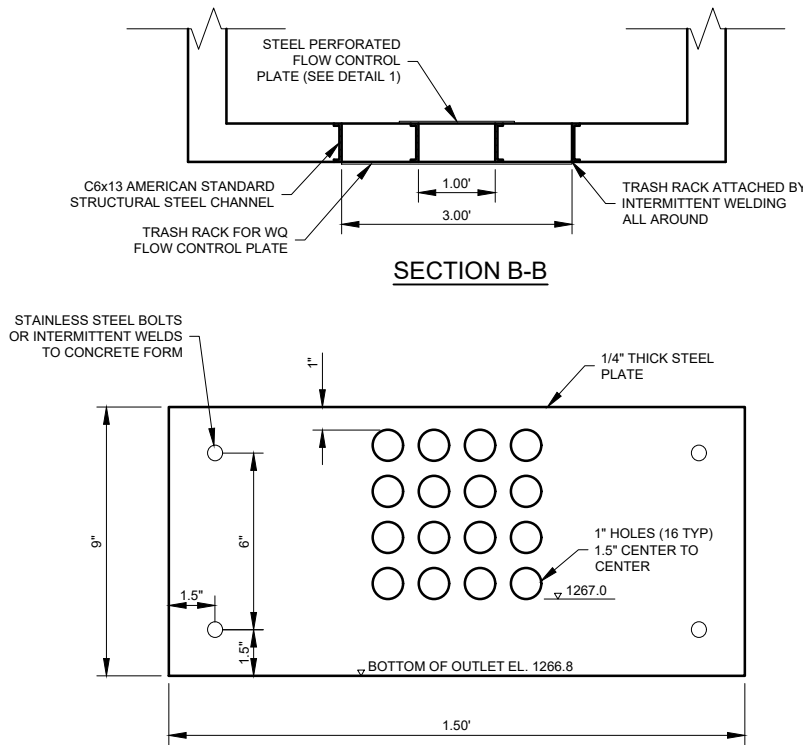
SECTION A-A



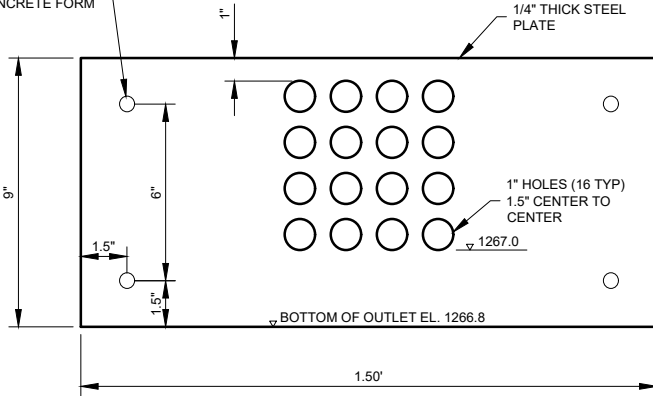
CONCRETE SPILLWAY



DETENTION POND J

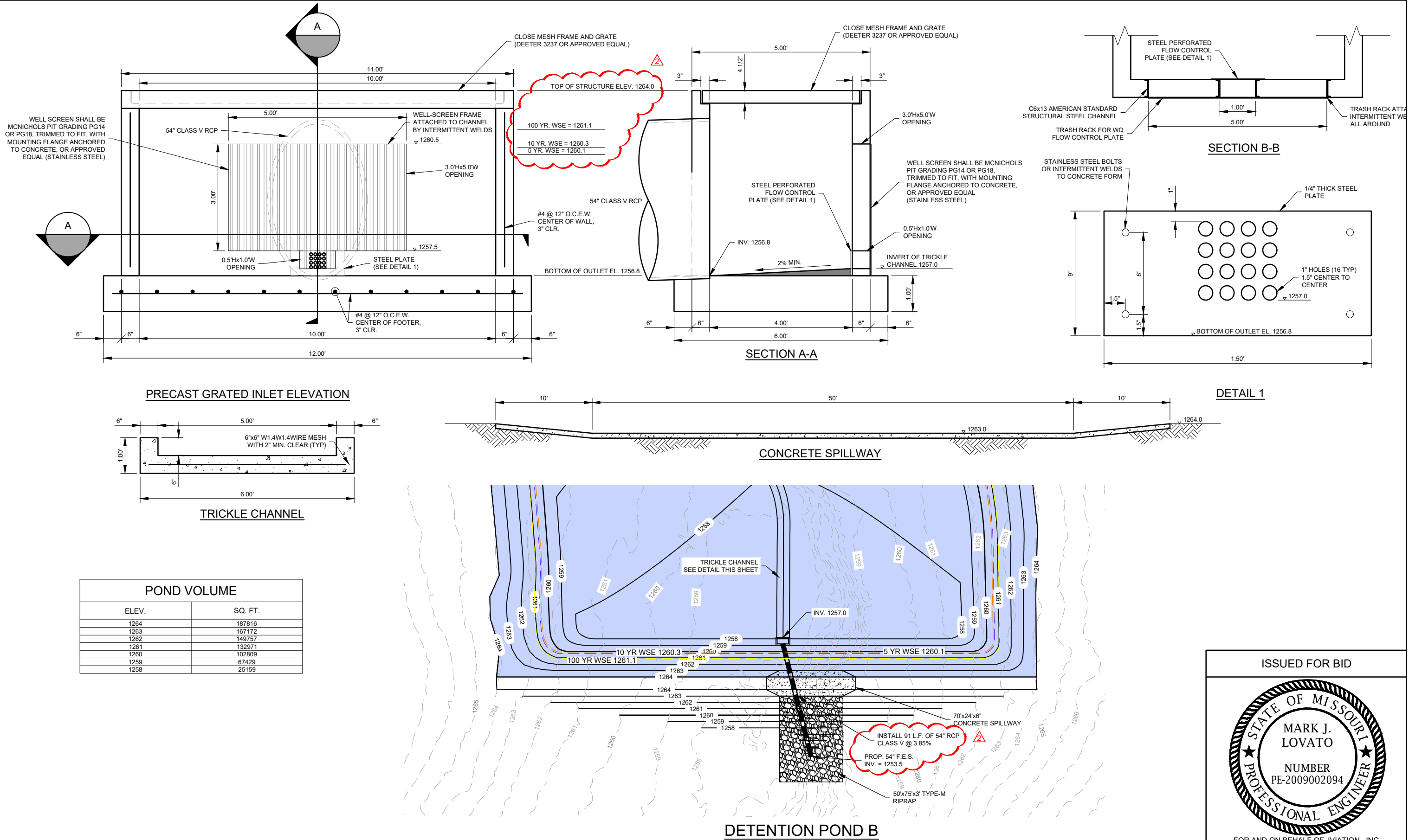


SECTION B-B



DETAIL 1

Printed June 2, 2020 @ 10:57 AM by Dave Conway
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ISSUED FOR BID



STATE OF MISSOURI

MARK J. LOVATO

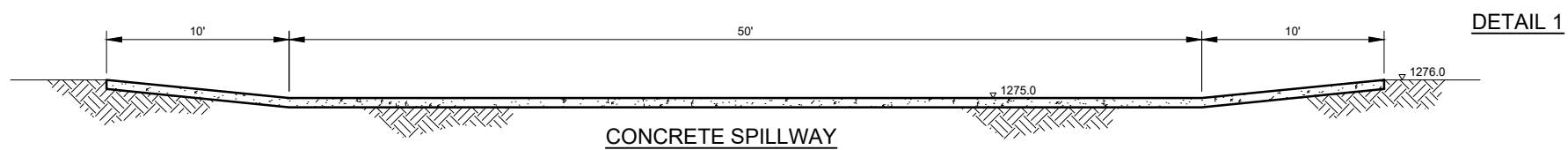
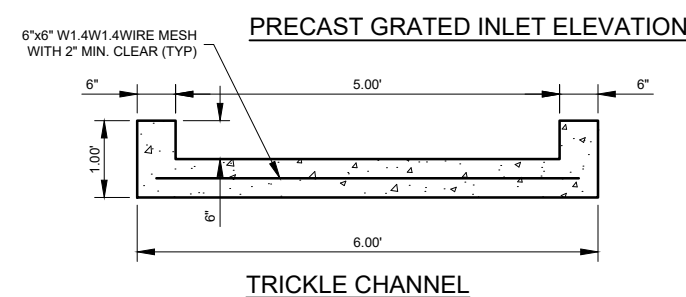
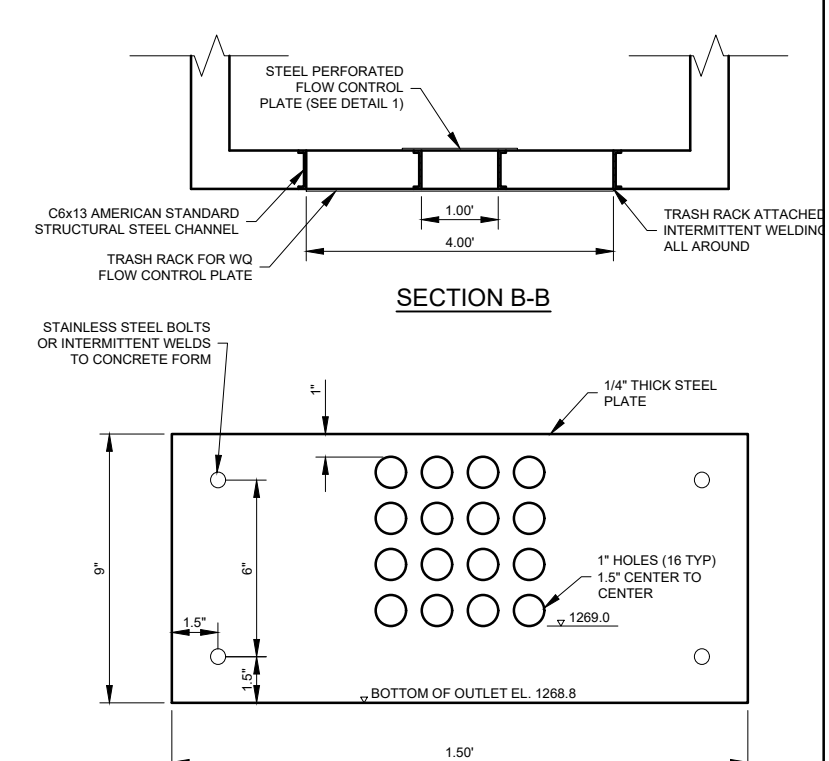
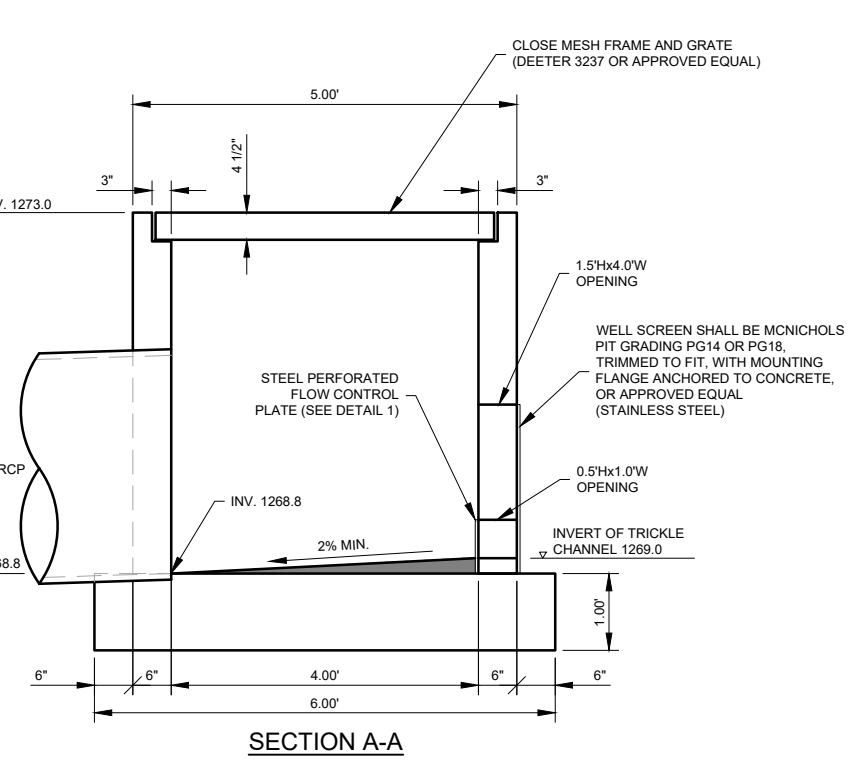
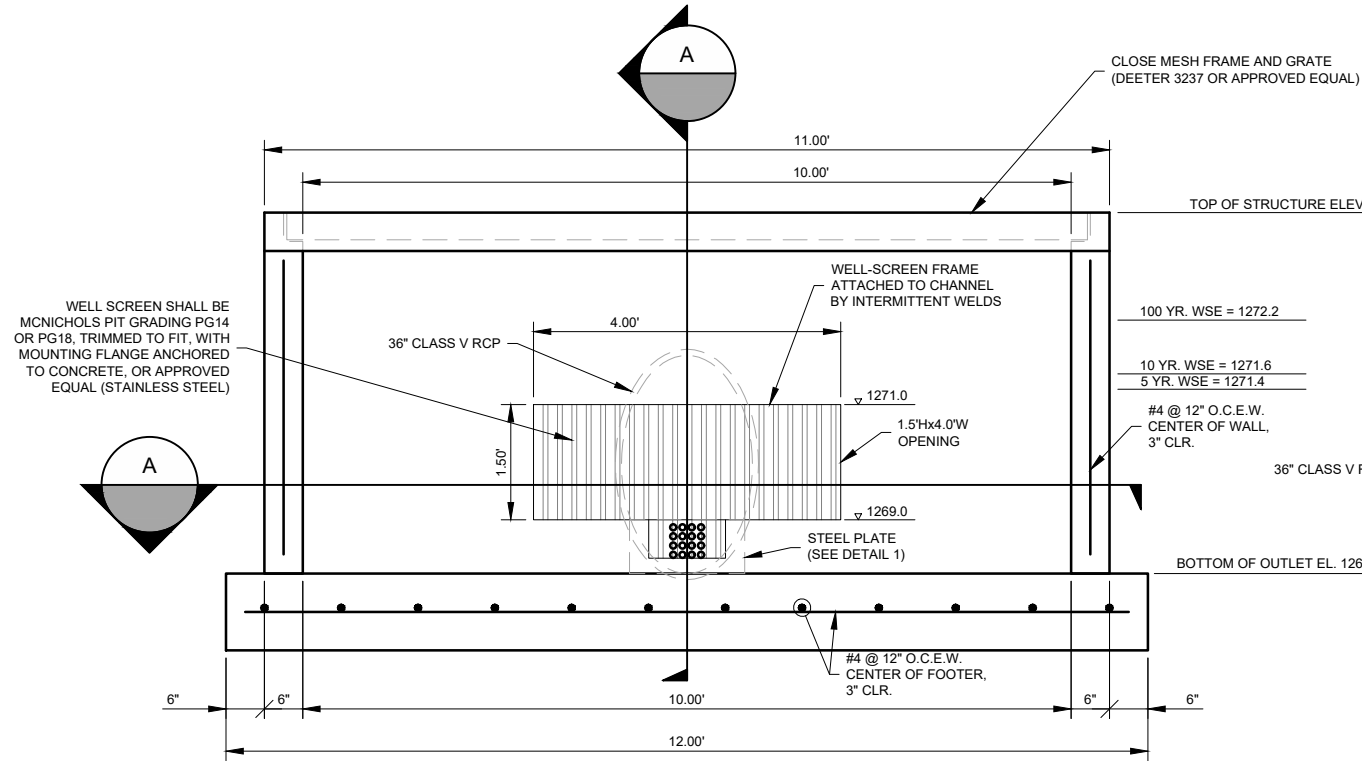
NUMBER PE-2009002094

PROFESSIONAL ENGINEER

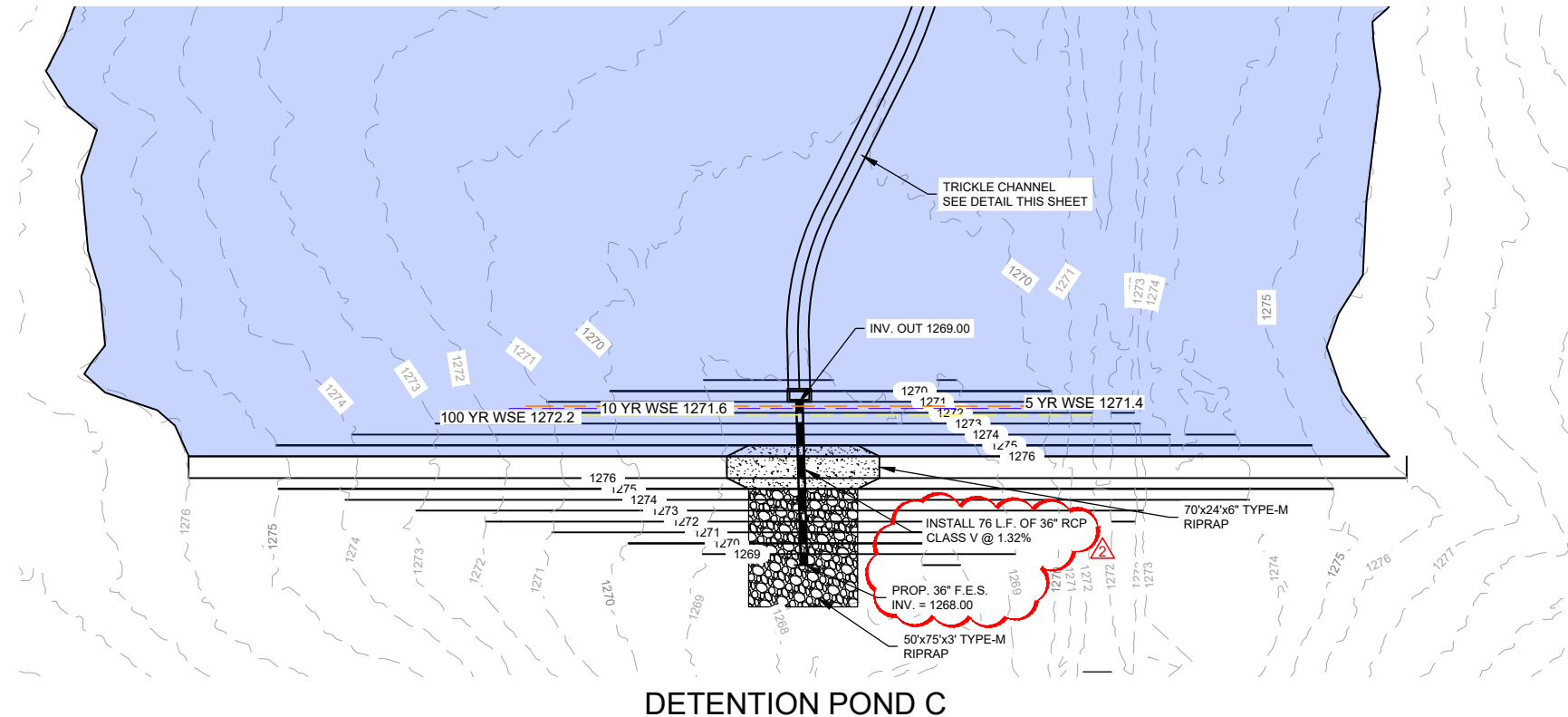
FOR AND ON BEHALF OF JVIATION, INC.

	MONETT REGIONAL AIRPORT PIERCE CITY, MISSOURI	DES: M.J.L.	ISSUE RECORD				EARTHWORK AND GRADING FOR RELOCATION OF RUNWAY 18/36	DETENTION POND B OUTLET STRUCTURE		SHEET NAME
		DR: D.W.C.	NO.	BY	DATE	DESCRIPTION				C651
	1		M.J.L.	05/18/2020	ISSUED FOR BID	SHEET NO.				
	2		M.J.L.	06/02/2020	ADDENDUM NO. 4					
	CH: C.L.G.							FAA / MoDOT PROJ. NO. 20-098B-1 / AIR 206-098B	JVIATION PROJ. NO. 2019.HFJ.01	64 of 103
	APP: M.J.L.									

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POND VOLUME	
ELEV.	SQ. FT.
1276	260705
1275	211122
1274	158985
1273	109454
1272	74019
1271	46588
1270	17776



ISSUED FOR BID

STATE OF MISSOURI

MARK J. LOVATO

NUMBER
PE-2009002094

PROFESSIONAL ENGINEER

FOR AND ON BEHALF OF JVIATION, INC.

	MONETT REGIONAL AIRPORT PIERCE CITY, MISSOURI	DES: M.J.L. DR: D.W.C. CH: C.L.G. APP: M.J.L.	ISSUE RECORD				EARTHWORK AND GRADING FOR RELOCATION OF RUNWAY 18/36	DETENTION POND C OUTLET STRUCTURE	SHEET NAME C652
			NO.	BY	DATE	DESCRIPTION			
			1	M.J.L.	05/18/2020	ISSUED FOR BID			SHEET NO.
			2	M.J.L.	06/02/2020	ADDENDUM NO. 4			65 of 103
								FAA / MoDOT PROJ. NO. 20-098B-1 / AIR 206-098B	JVIATION PROJ. NO. 2019.HFJ.01