

January 3, 2014

To: Plan Holders for Improvements to the
Springfield-Branson National Airport
Springfield, Missouri
MoDOT Project No. AIR 126-092A1
West Kearney Terminal Parking Lot and GA Redevelopment

Transmitted herewith is **Addendum No. 1** to the Contract Documents, Plans and Specifications dated December 9, 2013 for Improvements to the Springfield-Branson National Airport, Springfield, Missouri, MoDOT Project No. AIR 126-092A1.

SCHEDULE I:

General Aviation Apron Redevelopment – Grading and Utilities Only

SCHEDULE II:

West Kearney Terminal Parking Lot

SCHEDULE III:

General Aviation Apron Redevelopment – Concrete Apron

SCHEDULE IV:

General Aviation Apron Redevelopment – Asphalt Access Road and Parking

SCHEDULE V:

General Aviation Apron Redevelopment – Concrete Apron

SCHEDULE VI:

General Aviation Apron Redevelopment – Concrete Apron

SCHEDULE VII:

Airport Lighted Beacon

Sincerely,

Jviation, Inc.



Mark J. Lovato, P.E.
Project Manager



Main 303.524.3030
Fax 303.524.3031

900 S. Broadway | Suite 350 | Denver, CO | 80209

**ADDENDUM NO. 1
TO
CONTRACT DOCUMENTS, PLANS AND SPECIFICATIONS
FOR IMPROVEMENTS TO THE
SPRINGFIELD-BRANSON NATIONAL AIRPORT
SPRINGFIELD, MISSOURI
MoDOT PROJECT NO. AIR 126-092A1**

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, Plans and Specifications are modified as follows as of January 3, 2014:

1. Contract Documents

Section: B (Volume 1)
Page: B 2.1 to 2.26
Revision: The Bid Proposal has been revised to reflect the adjusted item MO-620b. Items under MO-620 were adjusted as part of Addendum No. 1. The Bid Proposal has been re-issued in its entirety and is attached at the back of this document.

2. Technical Specifications

Section: Technical Specifications-Table of Contents (Volume 2)
Page: i
Revision: The specification table of contents has been updated and added in its entirety and is attached at the back of this document.

Section: P-605 Joint Sealing Filler
Page: All
Revision: The specification for Joint Sealing Filler has been added in its entirety and is attached at the back of this document.

3. Plans

Sheet: G003
Sheet No.: 3 of 125
Revision: See attached revised sheets dated 01/3/2014.

Sheet: C801, 802, 804 & 805
Sheet No.: 94-95, 97-98 of 125
Revision: See attached revised sheets dated 01/3/2014.

Sheet: C851
Sheet No.: 103 of 125
Revision: See attached revised sheet dated 01/3/2014.

Sheet: City Utilities 1 of 2
Sheet No.: 124 of 125
Revision: See attached revised City Utilities Gas & Water Main Extension sheet dated 12/18/2013.

Sheet: City Utilities 2 of 2
Sheet No.: 125 of 125
Revision: See attached revised City Utilities Gas & Water Main Extension sheet dated 12/18/2013.

4. Clarification

- a) Please find attached the Joint Trench Detail per the City Utilities Construction Standard of Springfield, Missouri.

5. Questions

- a) Can the Bid Tabulation breakout for the August 5, 2013 bid opening be shared?
a. The bid Tabulation from the previous bid of the GA Development project is attached. Please note the project limits and scope has changed.

The following Questions and Clarifications were included as part of three Addendums for the GA Development MoDOT Project No. AIR 126-092A1 bid opening on August 5, 2013. Please note that the project limits and scope have changed.

- a) An asbestos inspection was conducted by Security Storage Service, Inc. on the buildings to be removed. The pipe wrap on the exhaust duct of the generator in the electric building tested positive for asbestos. Removal of the asbestos material will be considered incidental to P-100a. No other items were suspect for asbestos content in any of the other buildings to be removed. Please see the attached letters from Security Storage Service, Inc.
- b) The Traffic Barricades used for Traffic Control on the parking lot shall be lighted Traffic Barricades.
- c) Can the Contractor haul the excess dirt and millings off-site in lieu of stockpiling on-site?
a. The Contractor cannot haul the excess dirt and millings off-site.
- d) Do we know where the Stockpile areas for millings are?
a. Yes. Please see plan sheet G005 for the stock pile location.
- e) Can there be two successful bidders where one contractor is awarded Schedule I and another Schedule II?
a. No. Split awards will not be awarded. The owner reserves the right to select any one of the combinations of the base bid(s) and alternate bid(s), which in the judgment of the owner, best serves the owner's interest. The right is reserved, as the City of Springfield may require, to reject any bid and all bids.
- f) Do we account for encountering rock in our earthwork quantities?
a. No. Bid item MO-152b accounts for Class C Excavation and bid item MO-152c accounts for Igneous Rock Excavation.
- g) For the utility trenches, do we account for the potential for encountering rock while trenching?
a. No. there is a separate bid item for "Pipe Installation Rock Excavation."

- h) If the calendar days are suspended over the winter months, is it possible to do some minor work while the calendar days are turned off?
 - a. No, unless Contractor pays for unscheduled employment per section 80-08.
- i) Can the Contractor pay the engineer's fees for being on site during a winter shutdown?
 - a. See section 80-08 for the unscheduled employment of the Resident Engineer.
- j) Is there steel in the concrete apron pavement to be removed?
 - a. Yes, there is a potential for dowel bars, wire mesh, and keyways.
- k) Canopy removal at old terminal ring road: Is it to be removed to a certain column?
 - a. End cap of existing canopy to be salvaged and reused at the end of the canopy once the portion to be demolished has been complete to the nearest column beyond demolition.
- l) Transformers shown on Sheet C111: Are the transformers to be turned over to City Utilities or removed off site?
 - a. The transformers are to be turned over to City Utilities.
- m) If dirt is taken "off site" then you don't have to pay prevailing wage?
 - a. Prevailing wages shall be paid for moving any material from airport project to stockpile area and back.
- n) Must city utilities be installed by an approved City Utilities contractor?
 - a. Yes.
- o) What do you need millings for?
 - a. Milling shall be stockpiled in the designated area for use on future projects.
- p) Is the joint methodology the same as for runways and taxiways? Do we also have to do for apron and auto parking, etc?
 - a. Yes.
- q) What size is required for the signs on sheets C850?
 - a. The size of the signs shall be in accordance with the Conventional Road size in the current Manual of Uniform Traffic Control Devices (MUTCD). See Table 2B-1 for Regulatory Sign and Plaque Sizes and Table 2D-1 for Conventional Road Guide Sign Sizes. Reflectivity shall also meet the MUTCD minimum requirements.
- r) Detail 1/C602 Butt Joint Detail on page 86 of 130. I only find it on the plans in one place shown in section G-G; G/C302 C305 on Page 85 of 130. Is this the only place to construct this joint on the project?
 - a. Detail 1 on sheet C602 is a typical butt joint detail. It shall be used where new asphalt is being tied into existing asphalt. At minimum, it shall be used on the tie in to N. General Aviation Ave. on sheet C305.

Questions will only be taken via written format to Jviation, Inc. until Monday January 20, 2013 3:00 p.m. (CST).

**** END OF ADDENDUM NO. 1 ****



BID PROPOSAL SUMMARY

Bidder Name: _____

SCHEDULE I TOTAL	\$ _____
SCHEDULE II TOTAL	\$ _____
SCHEDULE III TOTAL	\$ _____
SCHEDULE IV TOTAL	\$ _____
SCHEDULE V TOTAL	\$ _____
SCHEDULE VI TOTAL	\$ _____
SCHEDULE VII TOTAL - Base Bid	\$ _____
SCHEDULE VII TOTAL - Base Bid + Alternate 1	\$ _____
SCHEDULE VII TOTAL - Base Bid + Alternate 2	\$ _____
<hr/>	
TOTAL ALL SCHEDULES + Alternate 1	\$ _____
TOTAL ALL SCHEDULES + Alternate 2	\$ _____

INTENTIONALLY LEFT BLANK

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-110a	1" PVC Conduit, Installed in Trench (DEB)	LF	715	\$	\$
MO-110c	2" PVC Conduit, Installed in Trench (DEB)	LF	145	\$	\$
MO-110d	2-4" PVC Conduit, Installed in Trench (DEB)	LF	1,600	\$	\$
MO-110e	4-3" PVC Conduit, Installed in Trench (DEB)	LF	65	\$	\$
MO-110f	3-2" PVC Duct Bank per City Utilities Standards (DEB)	LF	1,875	\$	\$
MO-152a	Class A Excavation	CY	58,000	\$	\$
MO-152b	Class C Excavation	CY	5,000	\$	\$
MO-152c	Igneous Rock Excavation	CY	2,000	\$	\$
MO-155a	Fly Ash Treated Subgrade - 12 Inches	SY	790	\$	\$
MO-155b	Fly Ash - Type C	TON	10	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
MO-156a	Temporary Erosion Control	LS	1	\$	\$
MO-701a	15 Inch Reinforced Concrete Pipe - Class V	LF	265	\$	\$
MO-701b	18 Inch Reinforced Concrete Pipe - Class V	LF	1,020	\$	\$
MO-701c	24 Inch Reinforced Concrete Pipe - Class V	LF	180	\$	\$
MO-701d	30 Inch Reinforced Concrete Pipe - Class V	LF	370	\$	\$
MO-701e	36 Inch Reinforced Concrete Pipe - Class V (Complete Replacement)	LF	90	\$	\$
MO-701f	Pipe Installation Rock Excavation	CY	1,000	\$	\$
MO-901a	Seeding with Hydromulch	AC	7	\$	\$
MoDOT-608a	Concrete Sidewalk	SY	300	\$	\$
MoDOT-720a	Mechanically Stabilized Earth Wall Systems (Complete In Place)	FF	1,500	\$	\$
MoDOT-731a	Install MoDOT Drop Inlet Type T	EA	2	\$	\$
MoDOT-731b	Install MoDOT Drop Inlet Type S-1	EA	4	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-140a	Asphalt Pavement Removal (Full Depth)	SY	23,000	\$	\$
P-140b	Asphalt Pavement Removal (Partial Depth)	SY	20	\$	\$
P-140c	Apron Concrete Pavement Removal (Full Depth)	SY	2,650	\$	\$
P-140d	Road Concrete Pavement Removal (Full Depth)	SY	4,900	\$	\$
P-140e	Remove Curb and Gutter	LF	6,350	\$	\$
P-140f	Remove Sidewalk	SY	240	\$	\$
P-150a	Remove Existing ARFF Building	LS	1	\$	\$
P-150c	Remove Existing Miscellaneous Building	EA	2	\$	\$
P-150d	Remove Existing Covered Walkway	LS	1	\$	\$
P-150e	Remove Existing Hangar Foundation	LS	1	\$	\$
P-150f	Remove Oil/Water Separator (Complete)	LS	1	\$	\$
P-150g	Remove Retaining Wall	LF	170	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-150h	Remove Brick Wall (Complete)	LF	130	\$	\$
P-150i	Remove Existing Signs	EA	15	\$	\$
P-150j	Remove Fence	LF	1,520	\$	\$
P-150k	Remove Fuel Tank and Lines(Complete)	EA	1	\$	\$
P-150l	Remove Existing Water Line (Complete)	LF	1,050	\$	\$
P-150m	Remove Existing Water Manhole	EA	1	\$	\$
P-150n	Remove Existing Water Meter	EA	4	\$	\$
P-150o	Remove Water Valves	EA	11	\$	\$
P-150p	Remove Existing Fire Hydrant	EA	3	\$	\$
P-150q	Remove Irrigation Valve	EA	1	\$	\$
P-150r	Remove Existing Storm Line (12", 18", 24", 36")	LF	2,400	\$	\$
P-150s	Remove Existing Storm Inlet	EA	22	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-150t	Remove Existing Storm Manhole	EA	2	\$	\$
P-150u	Remove Existing Sanitary Pipe	LF	870	\$	\$
P-150v	Remove Existing Sanitary Manhole	EA	5	\$	\$
P-150w	Remove Existing Sanitary Cleanout	EA	1	\$	\$
P-150x	Remove Existing Manhole	EA	2	\$	\$
P-150y	Remove City Utilities Transformer	EA	3	\$	\$
P-150z	Remove Existing Natural Gas Pipe	LF	900	\$	\$
P-150aa	Remove Existing Natural Gas Meter	EA	1	\$	\$
P-150bb	Remove Existing Natural Gas Valve	EA	1	\$	\$
P-150cc	Remove Existing Underdrain	LF	210	\$	\$
P-150dd	Remove Overhead Power Cable	LF	520	\$	\$
P-150ee	Remove Light Pole and Foundation (Complete)	EA	17	\$	\$

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-150ff	Remove City Utilities Junction Cabinet	EA	4	\$	\$
P-150gg	Remove Telephone Pedestal	EA	5	\$	\$
P-150hh	Remove Bollards	EA	16	\$	\$
P-150jj	Remove Electrical Equipment Rack	EA	2	\$	\$
P-150kk	Remove Handhole	EA	8	\$	\$
P-150ll	Remove Junction Box	EA	4	\$	\$
P-150mm	Remove City Utilities Power Pole	EA	3	\$	\$
P-150nn	Remove Underground Tank	EA	1	\$	\$
P-150oo	Remove Trees	EA	28	\$	\$
P-150qq	Adjust Existing Electrical Manhole	EA	1	\$	\$
P-150rr	Adjust Existing Manhole	EA	2	\$	\$
P-150ss	Adjust Electrical Handhole	EA	1	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-150tt	Adjust Existing Sanitary Cleanout	EA	5	\$	\$
P-150uu	Adjust Monitoring Well	EA	2	\$	\$
P-150vv	Adjust Miscellaneous Well	EA	2	\$	\$
P-150ww	Remove Concrete Islands	EA	4	\$	\$
P-151a	Clearing and Grubbing	LS	1	\$	\$
P-203b	Bituminous Drainable Layer (6-inch)	SY	790	\$	\$
P-312a	Install Stabilization Fabric	SY	790	\$	\$
P-501b	Portland Cement Concrete Pavement (11-inch)	SY	520	\$	\$
P-501d	Portland Cement Concrete Pavement (11-inch Reinforced)	SY	230	\$	\$
F-162a	Install 8-Foot Chain-Link Fence	LF	2,850	\$	\$
F-162b	Install Temporary Chain-Link Fence	LF	1,725	\$	\$
F-165a	Install Vertical Pivot Gate (Complete)	EA	1	\$	\$

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
F-165b	Remove Existing Vertical Pivot Gate	EA	1	\$	\$
D-751a	Install Aircraft Rated Double Inlet Type I	EA	12	\$	\$
D-751b	Install Aircraft Rated 5' Manhole	EA	7	\$	\$
D-751e	Connect to Existing Storm Structure	EA	2	\$	\$
D-751f	Connect to Existing Sanitary Structure	EA	2	\$	\$
D-754a	Concrete Curb and Gutter (6" curb with 2' pan)	LF	805	\$	\$
U-02510a	Install Water Line System Per City Utilities (Complete)	LS	1	\$	\$
U-02550a	Install Gas Line System Per City Utilities (Complete)	LS	1	\$	\$
U-02550b	Install Sanitary Line (Complete)	LF	1,850	\$	\$
U-02550c	Install Sanitary Line Service (Service shall include connection to main)	EA	14	\$	\$
U-02550d	Install Sanitary Manhole	EA	9	\$	\$
U-02550e	Adjust Existing Sanitary Manhole	EA	1	\$	\$

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
Div-26a	#6 AWG 600V Insulated Conductor	LF	190	\$	\$
Div-26b	#8 AWG 600V Insulated Conductor	LF	675	\$	\$
Div-26c	#10 AWG 600V Insulated Conductor	LF	2,995	\$	\$
Div-26d	3/0 AWG 600V Insulated Conductor	LF	405	\$	\$
Div-26e	Install Handhole	EA	4	\$	\$
Div-26f	Junction Box	EA	1	\$	\$
Div-26g	Install City Utilities Provided Junction Cabinet	EA	4	\$	\$
Div-26h	Install City Utilities Provided Single-Phase Transformer	EA	2	\$	\$
Div-26i	Install City Utilities Provided 3-Phase Transformer	EA	1	\$	\$
Div-26j	Install Roadway Lighting Power Frame	EA	1	\$	\$
Div-26k	Electrical for Vertical Pivot Gate	EA	1	\$	\$
Div-26l	Type "A" Luminaire	EA	1	\$	\$

SCHEDULE I

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
Div-26o	Type "D" Luminaire	EA	3	\$	\$
Div-26p	Type "E" Luminaire	EA	2	\$	\$
Div-26q	12 Strand Multi Mode Fiber Optic Cable	LF	715	\$	\$
Div-26r	36 Strand Combo Fiber Optic Cable	LF	3,665	\$	\$
Div-26s	Aircraft Rated Handhole	EA	2	\$	\$

SCHEDULE I TOTAL \$ _____

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-110a	1" PVC Conduit, Installed in Trench (DEB)	LF	665	\$	\$
MO-110b	1" HDPE Conduit, Installed by Directional Boring	LF	685	\$	\$
MO-152d	Subgrade Preparation	SY	4,450	\$	\$
MO-209a	Crushed Aggregate Base Course (6 inch)	SY	4,500	\$	\$
MO-401Sa	Mineral Aggregate (BP-1)	TON	1,450	\$	\$
MO-401Sb	Bituminous Asphalt Cement (BP-1)	TON	95	\$	\$
MO-603a	Bituminous Tack Coat	GAL	1,350	\$	\$
MO-620a	Temporary Pavement Markings	SF	10,000	\$	\$
MO-620b	Permanent Pavement Markings	SF	10,000	\$	\$
MoDOT-903a	Traffic Signs (R1-1)	EA	2	\$	\$

SCHEDULE II

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
MoDOT-903b	Traffic Signs (R2-1)	EA	1	\$	\$
MoDOT-903c	Traffic Signs (R5-1)	EA	2	\$	\$
MoDOT-903d	Traffic Signs (R6-1)	EA	1	\$	\$
MoDOT-903e	Traffic Signs (R7-8)	EA	8	\$	\$
MoDOT-903f	Traffic Signs (R7-8a)	EA	2	\$	\$
P-140a	Asphalt Pavement Removal (Full Depth)	SY	1,220	\$	\$
P-140b	Asphalt Pavement Removal (Partial Depth)	SY	10	\$	\$
P-140e	Remove Curb and Gutter	LF	3,500	\$	\$
P-140f	Remove Sidewalk	SY	450	\$	\$
P-150b	Remove Existing Toll Booths and Canopy	LS	1	\$	\$
P-150i	Remove Existing Signs	EA	15	\$	\$
P-150n	Remove Existing Water Meter	EA	1	\$	\$

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
P-150q	Remove Irrigation Valve	EA	2	\$	\$
P-150cc	Remove Existing Underdrain	LF	570	\$	\$
P-150ee	Remove Light Pole and Foundation (Complete)	EA	4	\$	\$
P-150hh	Remove Bollards	EA	6	\$	\$
P-150ii	Remove Lighted Bollard	EA	1	\$	\$
P-150kk	Remove Handhole	EA	1	\$	\$
P-150ll	Remove Junction Box	EA	2	\$	\$
P-150pp	Relocate Irrigation Control Box	EA	1	\$	\$
P-150ss	Adjust Electrical Handhole	EA	1	\$	\$
P-150ww	Remove Concrete Islands	EA	3	\$	\$
P-609a	Seal Coat Existing Parking Lot	SY	44,000	\$	\$
L-139a	Temporary Construction Traffic Control (All Phases)	LS	1	\$	\$

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
Div-26b	#8 AWG 600V Insulated Conductor	LF	535	\$	\$
Div-26c	#10 AWG 600V Insulated Conductor	LF	3,135	\$	\$
Div-26e	Install Handhole	EA	1	\$	\$
Div-26f	Junction Box	EA	1	\$	\$
Div-26m	Type "B" Luminaire	EA	3	\$	\$
Div-26n	Type "C" Luminaire	EA	1	\$	\$

SCHEDULE II TOTAL \$ _____

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-155a	Fly Ash Treated Subgrade - 12 Inches	SY	9,620	\$	\$
MO-155b	Fly Ash - Type C	TON	960	\$	\$
MO-620b	Permanent Pavement Markings	SF	415	\$	\$
P-203b	Bituminous Drainable Layer (6-inch)	SY	9,620	\$	\$
P-312a	Install Stabilization Fabric	SY	9,620	\$	\$
P-501b	Portland Cement Concrete Pavement (11-inch)	SY	8,240	\$	\$
P-501d	Portland Cement Concrete Pavement (11-inch Reinforced)	SY	1,260	\$	\$
D-705a	Install 6 Inch Perforated Underdrain	LF	250	\$	\$
D-751d	Install Underdrain Clean Out	EA	1	\$	\$

SCHEDULE III TOTAL \$ _____

INTENTIONALLY LEFT BLANK

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-152d	Subgrade Preparation	SY	3,400	\$	\$
MO-209a	Crushed Aggregate Base Course (6 inch)	SY	3,400	\$	\$
MO-401Sa	Mineral Aggregate (BP-1)	TON	1,100	\$	\$
MO-401Sb	Bituminous Asphalt Cement (BP-1)	TON	75	\$	\$
MO-603a	Bituminous Tack Coat	GAL	910	\$	\$
MO-620a	Temporary Pavement Markings	SF	420	\$	\$
MO-620b	Permanent Pavement Markings	SF	420	\$	\$
MoDOT-903a	Traffic Signs (R1-1)	EA	1	\$	\$
MoDOT-903c	Traffic Signs (R7-8)	EA	2	\$	\$
MoDOT-903f	Traffic Signs (R7-8a)	EA	2	\$	\$

SCHEDULE IV

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
D-754a	Concrete Curb and Gutter (6" curb with 2' pan)	LF	945	\$	\$

SCHEDULE IV TOTAL \$ _____

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-155a	Fly Ash Treated Subgrade - 12 Inches	SY	3,950	\$	\$
MO-155b	Fly Ash - Type C	TON	40	\$	\$
MO-620b	Permanent Pavement Markings	SF	225	\$	\$
P-203b	Bituminous Drainable Layer (6-inch)	SY	3,950	\$	\$
P-312a	Install Stabilization Fabric	SY	3,950	\$	\$
P-501a	Portland Cement Concrete Pavement (6-inch)	SY	3,500	\$	\$
P-501c	Portland Cement Concrete Pavement (6-inch Reinforced)	SY	300	\$	\$

SCHEDULE V TOTAL \$ _____

INTENTIONALLY LEFT BLANK

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-155a	Fly Ash Treated Subgrade - 12 Inches	SY	3,670	\$	\$
MO-155b	Fly Ash - Type C	TON	40	\$	\$
MO-620b	Permanent Pavement Markings	SF	855	\$	\$
P-140c	Apron Concrete Pavement Removal (Full Depth)	SY	6,150	\$	\$
P-203a	Bituminous Drainable Layer (4-inch)	SY	3,670	\$	\$
P-312a	Install Stabilization Fabric	SY	3,670	\$	\$
P-501b	Portland Cement Concrete Pavement (11-inch)	SY	3,360	\$	\$
P-501d	Portland Cement Concrete Pavement (11-inch Reinforced)	SY	240	\$	\$
D-705a	Install 6 Inch Perforated Underdrain	LF	475	\$	\$
D-705b	Install 6 Inch Non-Perforated Underdrain	LF	80	\$	\$

SCHEDULE VI

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
D-751c	Install Underdrain Inspection Pit	EA	1	\$	\$
D-751d	Install Underdrain Clean Out	EA	2	\$	\$

SCHEDULE VI TOTAL \$ _____

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
BASE BID ITEMS					
MO-100a	Mobilization	LS	1	\$	\$
MO-110c	2" PVC Conduit, Installed in Trench (DEB)	LF	25	\$	\$
L-103a	Remove Existing Beacon Tower, Including Foundation (Complete)	LS	1	\$	\$
L-103c	Drilled Pier (Complete)	LF	9	\$	\$
L-103d	Rock Excavation	LF	5	\$	\$
L-108a	#8 AWG, Type L-824C 5,000 Volt Wire	LF	450	\$	\$
L-108b	#8 AWG, Type THWN 600 Volt Wire	LF	225	\$	\$
				BASE BID SCHEDULE VII TOTAL	\$
ALTERNATE 1					
L-103b	Install New Beacon Tower-Basket Pole with Existing Beacon	LS	1	\$	\$
				ALTERNATE 1 SCHEDULE VII TOTAL	\$
ALTERNATE 2					
L-101a	Provide New Beacon	LS	1	\$	\$

SCHEDULE VII

Item No.	Description	Units	Estimated Quantity	Unit Price	Total
L-103e	Install New Beacon Tower - Lowering Winch System Pole	LS	1	\$	\$

ALTERNATE 2 SCHEDULE VII TOTAL \$ _____

TECHNICAL SPECIFICATIONS

TABLE OF CONTENTS

<u>ITEM</u>	<u>TITLE</u>
MO-100	MOBILIZATION
MO-110	AIRPORT UNDERGROUND ELECTRICAL DUCT BANKS AND CONDUITS
MO-152	EXCAVATION AND EMBANKMENT
MO-155	FLY ASH TREATED SUBGRADE
MO-156	EROSION AND SEDIMENT CONTROL
MO-209	CRUSHED AGGREGATE BASE COURSE
MO-401S	PLANT MIX BITUMINOUS PAVEMENTS
MO-603	BITUMINOUS TACK COAT
MO-610	STRUCTURAL PORTLAND CEMENT CONCRETE
MO-620	RUNWAY AND TAXIWAY PAINTING
MO-701	PIPE FOR STORM DRAINS AND CULVERTS
MO-901	SEEDING
MO-905	TOPSOILING
MO-908	MULCHING
MoDOT-608	CONCRETE MEDIAN, MEDIAN STRIP, SIDEWALK, CURB RAMPS
MoDOT-720	MECHANICALLY STABILIZED EARTH WALL SYSTEMS
MoDOT-731	PRECAST REINFORCED CONCRETE MANHOLES AND DROP INLETS
MoDOT-903	HIGHWAY SIGNING
P-102	SAFETY AND SECURITY
P-140	PAVEMENT REMOVAL
P-150	DEMOLITION AND REMOVAL
P-151	CLEARING AND GRUBBING
P-153	CONTROLLED LOW STRENGTH MATERIAL (CLSM)
P-203	BITUMINOUS DRAINABLE LAYER
P-312	NON-WOVEN GEOTEXTILE FABRICS
P-501	PORTLAND CEMENT CONCRETE PAVEMENTS
P-605	JOINT SEALING FILLER
P-609	EMULSIFIED PAVEMENT SEALER AND REJUVENATOR
F-162	CHAIN-LINK FENCES
F-165	VERTICAL PIVOT GATES
D-705	PIPE UNDERDRAINS FOR AIRPORTS
D-751	MANHOLES, CATCH BASINS INLETS AND INSPECTION HOLES
D-754	CONCRETE GUTTERS, DITCHES, AND FLUMES
L-101	AIRPORT ROTATING BEACONS
L-103	AIRPORT BEACON TOWERS
L-108	UNDERGROUND POWER CABLES FOR AIRPORTS
L-139	TEMPORARY CONSTRUCTION MARKING AND LIGHTING
Division 26	ELECTRICAL SPECIFICATIONS

Exhibit B TECHNICAL SPECIFICATIONS FOR DEVELOPER
INSTALLED GAS, WATER & ELECTRIC WORK

APPENDIX P

ITEM P-605 JOINT SEALING FILLER

DESCRIPTION

605-1.1 This item shall consist of providing and installing a resilient and adhesive joint sealing filler capable of effectively sealing joints and cracks in pavements.

MATERIALS

605-2.1 JOINT SEALERS. Joint sealing materials shall meet the requirements of ASTM D 5893 – Standard Specification of Cold-Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements. The sealant shall have a minimum of 75 percent extensibility at a temperature range of -50° to 200° F.

The sealant shall comply with ASTM 5893 – Standard Specifications for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements.

Before installation of either of these materials, the Contractor must supply certification by an independent testing laboratory that the materials meets the requirement of ASTM D 5893 – Standard Specification of Cold-Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements.

The joint filler shall be a joint filler stop of closed cell polyethylene foam backer rod of sufficient size to provide a tight seal . The backer rod shall be installed in a saw cut joint to prevent the sealant from flowing to the bottom. The backer rod shall be compatible with the joint sealant to act as a bond breaker

Expansion joint filler shall be cell backer rod and meet the requirements of ASTM D 5249. The expansion joint filler shall be a Closed Cell Polyethylene Foam, Non-Water Absorbent in which it shall be compatible to the sealant material.

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

605-2.2 BACKER ROD. The use of a backer rod in the joint to be filled is required to control the depth of the sealant, to achieve the desired shape factor, and to support the sealant against indentation and sag. The backer rod shall be a non-moisture absorbing, resilient material approximately 25 percent larger in diameter than the width of the joint to be sealed. It should be compatible with the sealant, should not adhere to the sealant, should be compressible without extruding the sealant, and should recover to maintain contact with the joint faces when the joint is open.

47 Jute, paper, or other moisture absorbing material shall not be used for the backing material. The
48 backing material shall be rubber, butyl rubber, or other approved material that will not react with the
49 joint sealer and will not form a gas when the hot joint sealer is applied.
50

51 CONSTRUCTION METHODS

52
53
54 **605-3.1 TIME OF APPLICATION.** Joints shall be sealed as soon after completion of the curing
55 period as feasible and before the pavement is opened to traffic, including construction equipment.
56 The pavement temperature shall be above 50°F (10°C) at the time of installation of the poured joint
57 sealing material.
58

59 605-3.2 PREPARATION OF JOINTS.

60
61 **a. Sawing.** All joints shall be sawed in accordance with specifications and plan details.
62 Immediately after sawing the joint, the resulting slurry shall be completely removed from joint and
63 adjacent area by flushing with a jet of water, and by use of other tools as necessary.
64

65 **b. Sealing.** Immediately before sealing, the joints shall be thoroughly cleaned of all remaining
66 laitance, curing compound, and other foreign material. Cleaning shall be accomplished by
67 sandblasting. Sandblasting shall be accomplished in a minimum of two passes. One pass per joint
68 face with the nozzle held at an angle directly toward the joint face and not more than 3 inches from
69 it. Upon completion of cleaning, the joints shall be blown out with compressed air free of oil and
70 water. Only air compressors with operable oil and water traps shall be used to prepare the joints for
71 sealing. The joint faces shall be surface dry when the seal is applied.
72

73 **605-3.3 INSTALLATION OF SEALANTS.** Joints shall be inspected for proper width, depth,
74 alignment, and preparation by Contractor and then shall be approved by the Engineer before sealing
75 is allowed. Sealants shall be installed in accordance with the following requirements:
76

77 **Cold Applied Sealants.** Cold applied joint sealing compound shall be applied by means of
78 pressure equipment that will force the sealing material to the bottom of the joint and completely fill
79 the joint without spilling the material on the surface of the pavement. A backing material shall be
80 placed as shown on the plans and shall be nonadhesive to the concrete or the sealant material.
81 Sealant that does not bond to the concrete surface of the joint walls, contains voids, or fails to set to
82 a tack-free condition will be rejected and replaced by the Contractor at no additional cost. Before
83 sealing the joints, the Contractor shall demonstrate that the equipment and procedures for
84 preparing, mixing, and placing the sealant will produce a satisfactory joint seal. This shall include the
85 preparation of two small batches and the application of the resulting material. Any sealant spilled on
86 the surface of the pavement, structures and/or lighting fixtures, shall be removed immediately.
87
88

89 METHOD OF MEASUREMENT

90
91 **605-4.1** No measurement will be made of joint materials required in the construction of P-401 and
92 P-501 pavements or structures. The cost of furnishing and installing joint materials shall be included
93 in the Contractor's price for pavements and structures.
94

BASIS OF PAYMENT

605-5.1 No payment will be made for sawing, joint sealant, or joint filler and shall be included in the Contractor's price for P-401 and P-501 pavement and concrete structures.

Payment will be made under:

REFER TO APPENDIX P FOR ITEM DESCRIPTIONS.

TESTING REQUIREMENTS

ASTM D 412 Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension

ASTM D 1644 Test Methods for Nonvolatile Content of Varnishes

MATERIAL REQUIREMENTS

ASTM D 1854 Jet-Fuel-Resistant Concrete Joint Sealer, Hot-Applied Elastic Type

ASTM D 3406 Joint Sealants, Hot-Applied, Elastomeric-Type, for Portland Cement Concrete Pavements

ASTM D 3569 Joint Sealant, Hot-Applied, Elastometric, Jet-Fuel-Resistant Type, for Portland Cement Concrete Pavements

ASTM D 3581 Joint Sealant, Hot-Applied, Jet-Fuel-Resistant Type, for Portland Cement Concrete and Tar-Concrete Pavements

ASTM D 5893 Standard Specifications for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements

ASTM D 6690 Joint and Crack Sealants, Hot-Applied, for Concrete and Asphalt Pavements

****END ITEM P-605****

ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I		SCHEDULE II		SCHEDULE III		SCHEDULE IV		SCHEDULE V		SCHEDULE VI		SCHEDULE VII	
			ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT	ESTIMATE	AS-BUILT
BASE BID ITEMS																
MO-100a	Mobilization	LS	1		1		1		1		1		1		1	
MO-110a	1" PVC Conduit, Installed in Trench (DEB)	LF	715		665		-		-		-		-		-	
MO-110b	1" HDPE Conduit, Installed by Directional Boring	LF	-		685		-		-		-		-		-	
MO-110c	2" PVC Conduit, Installed in Trench (DEB)	LF	145		-		-		-		-		-		25	
MO-110d	2-4" PVC Conduit, Installed in Trench (DEB)	LF	1,600		-		-		-		-		-		-	
MO-110e	4-3" PVC Conduit, Installed in Trench (DEB)	LF	65		-		-		-		-		-		-	
MO-110f	3-2" PVC Duct Bank per City Utilities Standards (DEB)	LF	1,875		-		-		-		-		-		-	
MO-152a	Class A Excavation	CY	58,000		-		-		-		-		-		-	
MO-152b	Class C Excavation	CY	5,000		-		-		-		-		-		-	
MO-152c	Igneous Rock Excavation	CY	2,000		-		-		-		-		-		-	
MO-152d	Subgrade Preparation	SY	-		4,450		-		3,400		-		-		-	
MO-155a	Fly Ash Treated Subgrade - 12 Inches	SY	790		-		9,620		-		3,950		3,670		-	
MO-155b	Fly Ash - Type C	TON	10		-		960		-		40		40		-	
MO-156a	Temporary Erosion Control	LS	1		-		-		-		-		-		-	
MO-209a	Crushed Aggregate Base Course (6 inch)	SY	-		4,500		-		3,400		-		-		-	
MO-401Sa	Mineral Aggregate (BP-1)	TON	-		1,450		-		1,100		-		-		-	
MO-401Sb	Bituminous Asphalt Cement (BP-1)	TON	-		95		-		75		-		-		-	
MO-603a	Bituminous Tack Coat	GAL	-		1,350		-		910		-		-		-	
MO-620a	Temporary Pavement Markings	SF	-		10,000		-		420		-		-		-	
MO-620b	Permanent Pavement Markings	SF	-		10,000		415		420		225		855		-	
MO-701a	15 Inch Reinforced Concrete Pipe - Class V	LF	265		-		-		-		-		-		-	
MO-701b	18 Inch Reinforced Concrete Pipe - Class V	LF	1,020		-		-		-		-		-		-	
MO-701c	24 Inch Reinforced Concrete Pipe - Class V	LF	180		-		-		-		-		-		-	
MO-701d	30 Inch Reinforced Concrete Pipe - Class V	LF	370		-		-		-		-		-		-	
MO-701e	36 Inch Reinforced Concrete Pipe - Class V (Complete Replacement)	LF	90		-		-		-		-		-		-	
MO-701f	Pipe Installation Rock Excavation	CY	1,000		-		-		-		-		-		-	
MO-901a	Seeding with Hydromulch	AC	7		-		-		-		-		-		-	
MoDOT-608a	Concrete Sidewalk	SY	300		-		-		-		-		-		-	
MoDOT-720a	Mechanically Stabilized Earth Wall Systems (Complete In Place)	FF	1,500		-		-		-		-		-		-	
MoDOT-731a	Install MoDOT Drop Inlet Type T	EA	2		-		-		-		-		-		-	
MoDOT-731b	Install MoDOT Drop Inlet Type S-1	EA	4		-		-		-		-		-		-	
MoDOT-903a	Traffic Signs (R1-1)	EA	-		2		-		1		-		-		-	
MoDOT-903b	Traffic Signs (R2-1)	EA	-		1		-		-		-		-		-	
MoDOT-903c	Traffic Signs (R5-1)	EA	-		2		-		-		-		-		-	
MoDOT-903d	Traffic Signs (R6-1)	EA	-		1		-		-		-		-		-	
MoDOT-903e	Traffic Signs (R7-8)	EA	-		8		-		2		-		-		-	
MoDOT-903f	Traffic Signs (R7-8a)	EA	-		2		-		2		-		-		-	
P-140a	Asphalt Pavement Removal (Full Depth)	SY	23,000		1,220		-		-		-		-		-	
P-140b	Asphalt Pavement Removal (Partial Depth)	SY	20		10		-		-		-		-		-	
P-140c	Apron Concrete Pavement Removal (Full Depth)	SY	2,650		-		-		-		-		6,150		-	
P-140d	Road Concrete Pavement Removal (Full Depth)	SY	4,900		-		-		-		-		-		-	
P-140e	Remove Curb and Gutter	LF	6,350		3,500		-		-		-		-		-	
P-140f	Remove Sidewalk	SY	240		450		-		-		-		-		-	
P-150a	Remove Existing ARFF Building	LS	1		-		-		-		-		-		-	
P-150b	Remove Existing Toll Booths and Canopy	LS	-		1		-		-		-		-		-	
P-150c	Remove Existing Miscellaneous Building	EA	2		-		-		-		-		-		-	
P-150d	Remove Existing Covered Walkway	LS	1		-		-		-		-		-		-	
P-150e	Remove Existing Hangar Foundation	LS	1		-		-		-		-		-		-	
P-150f	Remove Oil/Water Separator (Complete)	LS	1		-		-		-		-		-		-	
P-150g	Remove Retaining Wall	LF	170		-		-		-		-		-		-	
P-150h	Remove Brick Wall (Complete)	LF	130		-		-		-		-		-		-	
P-150i	Remove Existing Signs	EA	15		15		-		-		-		-		-	
P-150j	Remove Fence	LF	1,520		-		-		-		-		-		-	
P-150k	Remove Fuel Tank and Lines(Complete)	EA	1		-		-		-		-		-		-	
P-150l	Remove Existing Water Line (Complete)	LF	1,050		-		-		-		-		-		-	
P-150m	Remove Existing Water Manhole	EA	1		-		-		-		-		-		-	
P-150n	Remove Existing Water Meter	EA	4		1		-		-		-		-		-	
P-150o	Remove Water Valves	EA	11		-		-		-		-		-		-	
P-150p	Remove Existing Fire Hydrant	EA	3		-		-		-		-		-		-	
P-150q	Remove Irrigation Valve	EA	1		2		-		-		-		-		-	
P-150r	Remove Existing Storm Line (12", 18", 24", 36")	LF	2,400		-		-		-		-		-		-	
P-150s	Remove Existing Storm Inlet	EA	22		-		-		-		-		-		-	
P-150t	Remove Existing Storm Manhole	EA	2		-		-		-		-		-		-	
P-150u	Remove Existing Sanitary Pipe	LF	870		-		-		-		-		-		-	
P-150v	Remove Existing Sanitary Manhole	EA	5		-		-		-		-		-		-	
P-150w	Remove Existing Sanitary Cleanout	EA	1		-		-		-		-		-		-	
P-150x	Remove Existing Manhole	EA	2		-		-		-		-		-		-	
P-150y	Remove City Utilities Transformer	EA	3		-		-		-		-		-		-	
P-150z	Remove Existing Natural Gas Pipe	LF	900		-		-		-		-		-		-	
P-150aa	Remove Existing Natural Gas Meter	EA	1		-		-		-		-		-		-	
P-150ab	Remove Existing Natural Gas Valve	EA	1		-		-		-		-		-		-	
P-150cc	Remove Existing Underdrain	LF	210		570		-		-		-		-		-	
P-150dd	Remove Overhead Power Cable	LF	520		-		-		-		-		-		-	
P-150ee	Remove Light Pole and Foundation (Complete)	EA	17		4		-		-		-		-		-	
P-150ff	Remove City Utilities Junction Cabinet	EA	4		-		-		-		-		-		-	
P-150gg	Remove Telephone Pedestal	EA	5		-		-		-		-		-		-	
P-150hh	Remove Bollards	EA	16		6		-		-		-		-		-	
P-150ii	Remove Lighted Bollard	EA	-		1		-		-		-		-		-	
P-150jj	Remove Electrical Equipment Rack	EA	2		-		-		-		-		-		-	
P-150kk	Remove Handhole	EA	8		1		-		-		-		-		-	
P-150ll	Remove Junction Box	EA	4		2		-		-		-		-		-	
P-150mm	Remove City Utilities Power Pole	EA	3		-		-		-		-		-		-	
P-150nn	Remove Underground Tank	EA	1		-		-		-		-		-		-	
P-150oo	Remove Trees	EA	28		-		-		-		-		-		-	

**ISSUE FOR BID
NOT FOR CONSTRUCTION**

THESE DRAWINGS ARE FOR BIDDING
AND CONSTRUCTION USE AND ARE NOT
A RECORD SET AS DEFINED BY LAW.
THE RECORD SETS ARE SIGNED AND
SEALED BY:

MARK J. LOVATO PE-2009002094 12/09/13
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

I:\Projects\SPR\CA\CA_Development\DWG\000-SPR-CA-0003-017.dwg
 Jan 03 2014 10:57am
 J. Lovato



DES: D.W.C.	ISSUE RECORD			
DR: B.A.V.	NO.	BY	DATE	DESCRIPTION
	1	M.J.L.	12/09/13	ISSUED FOR BID
CH: C.L.G.	2	M.J.L.	01/03/13	ADDENDUM NO. 1
APP: M.J.L.				

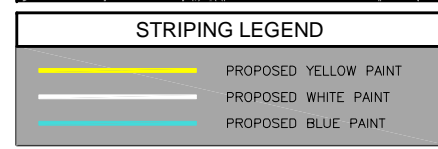
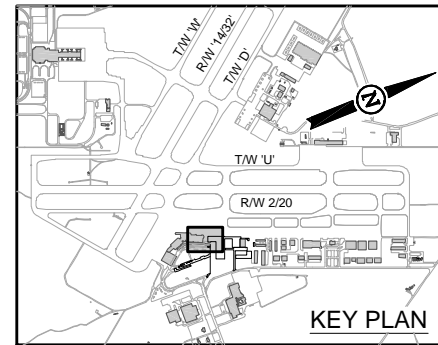
W. KEARNEY TERMINAL
PARKING LOT AND GA
REDEVELOPMENT

SUMMARY OF APPROXIMATE QUANTITIES

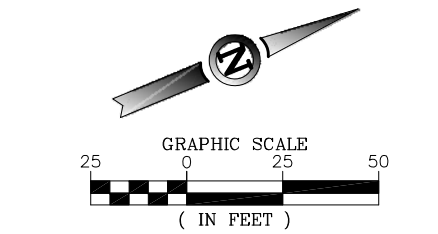
JVIATION PROJ. NO. AIR 126-092A1 DATE: 12/09/13

SHEET NAME
G003

SHEET NO.
3 of 125



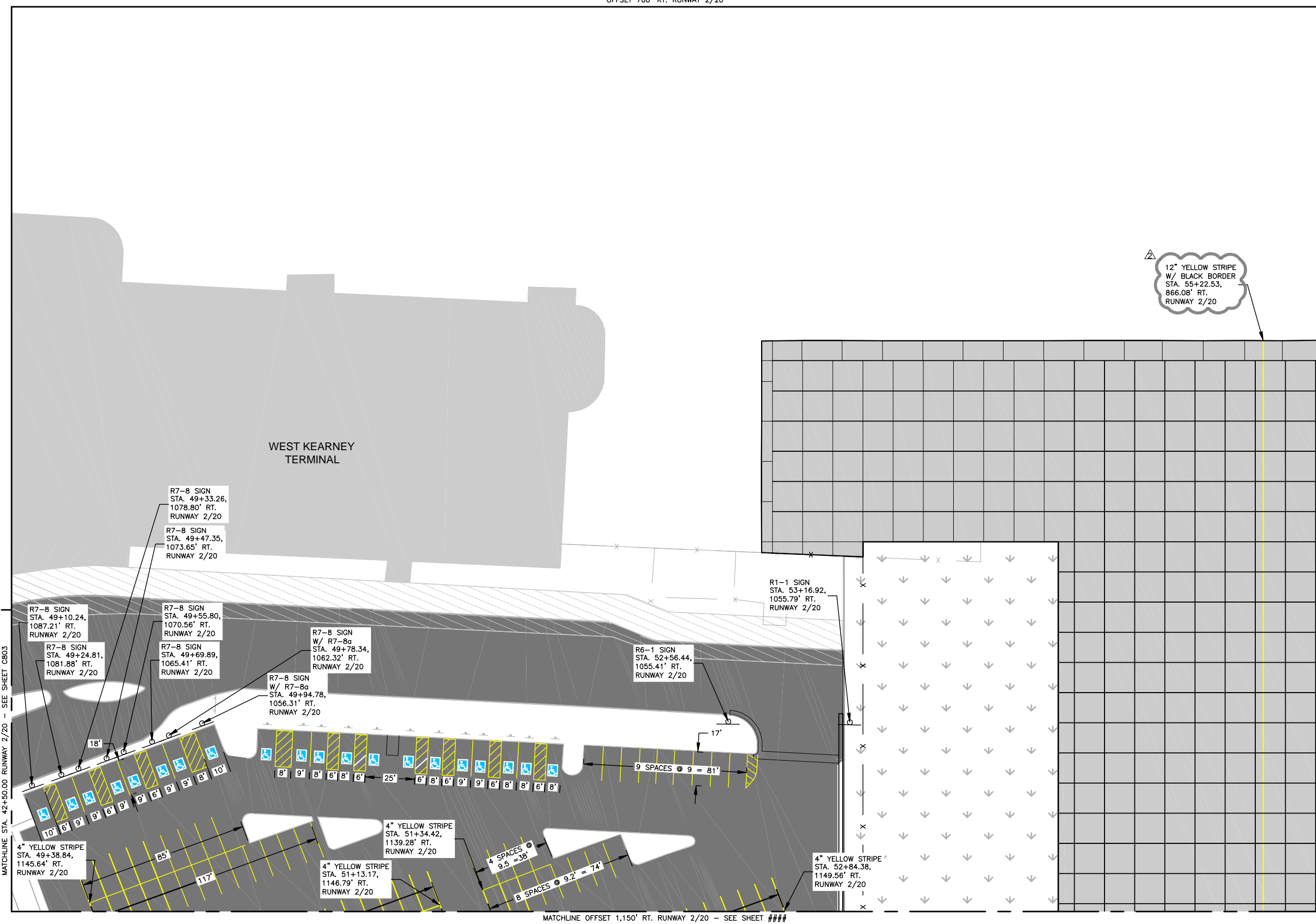
- NOTES**
- CONTRACTOR WILL BE REQUIRED TO REPAINT ANY MARKINGS THAT ARE OUTSIDE THE PROJECT WORK LIMITS WHICH ARE DAMAGED BY THE CONTRACTORS OPERATIONS. REPAINTING OF THESE DAMAGED AREAS WILL BE AT THE CONTRACTORS' EXPENSE.
 - GLASS BEADS SHALL BE APPLIED DURING ALL PAINT APPLICATIONS AT THE GATE SPECIFIED IN ITEM P-620. ALL TEMPORARY AND PERMANENT PAINT SHALL USE TYPE 1 BEADS.
 - PAINT SHOULD BE STORED IN A CLIMATE-CONTROLLED ENVIRONMENT IN ORDER TO MEET MANUFACTURERS RECOMMENDED TEMPERATURES BEFORE IT IS APPLIED. MATERIAL THAT DOES NOT MEET REQUIRED TEMPERATURE REQUIREMENTS WILL BE WARMED TO THE MINIMUM TEMPERATURE FOR 24 HOURS BEFORE IT IS APPLIED OR AS APPROVED BY THE RESIDENT ENGINEER.
 - ALL PERMANENT MARKINGS SHALL BE APPLIED DURING DAYLIGHT HOURS.
 - NO OBLITERATION OF MARKINGS ARE REQUIRED INSIDE PAVEMENT REMOVAL LIMITS.
 - IN EXISTING PARKING LOTS TO BE REPAINTED, CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.



**ISSUE FOR BID
NOT FOR CONSTRUCTION**

THESE DRAWINGS ARE FOR BIDDING AND CONSTRUCTION USE AND ARE NOT A RECORD SET AS DEFINED BY LAW. THE RECORD SETS ARE SIGNED AND SEALED BY:

MARK J. LOVATO PE-200902094 12/09/13
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.



12" YELLOW STRIPE
W/ BLACK BORDER
STA. 55+22.53,
866.08' RT.
RUNWAY 2/20

JVIATION PROJECTS, INC. 12/09/13
 12/09/13 12:56pm
 12/09/13 12:56pm
 12/09/13 12:56pm



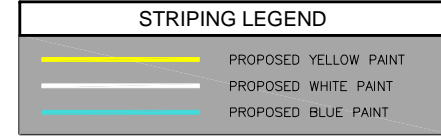
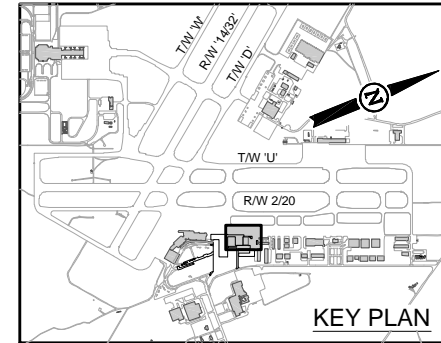
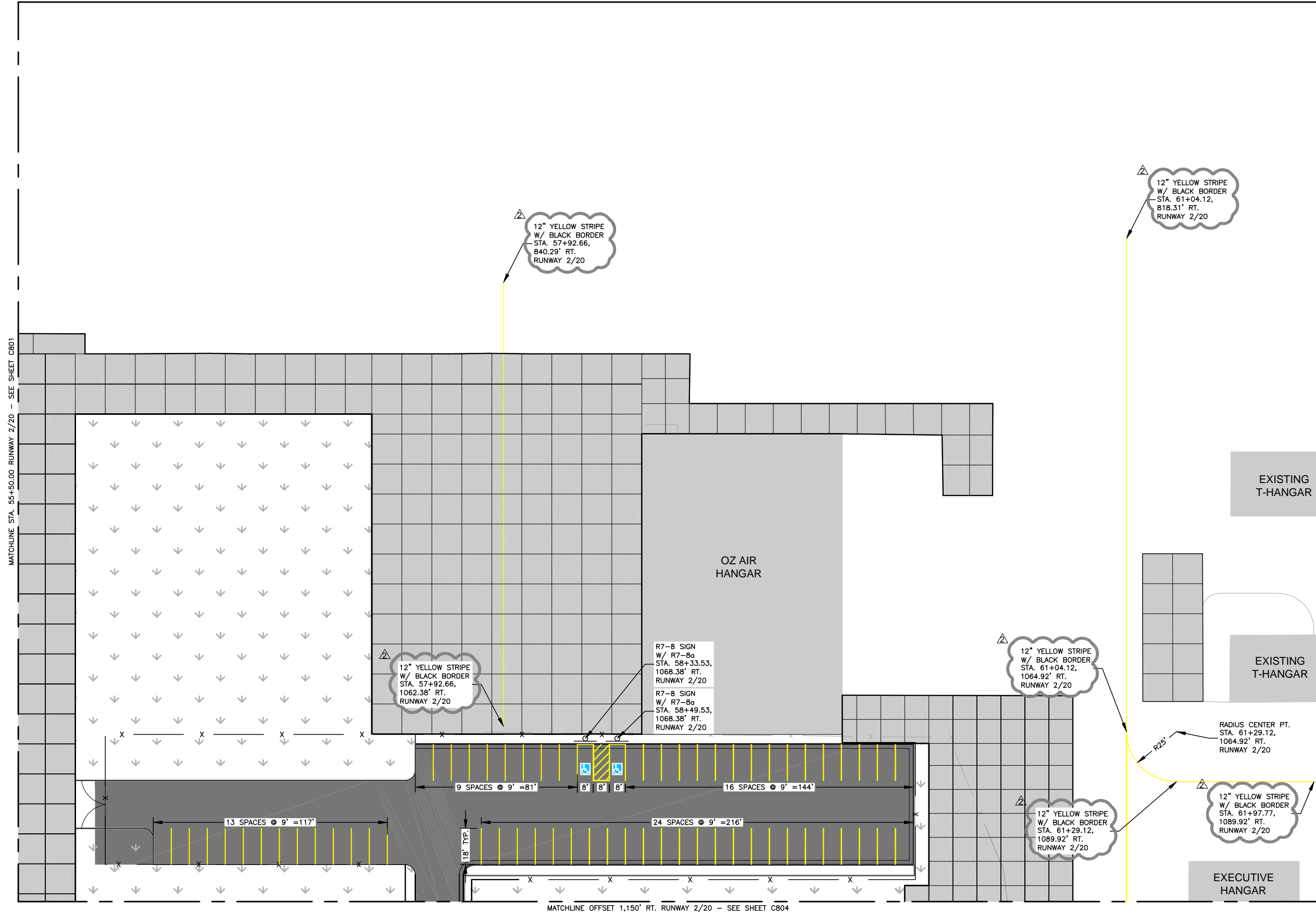
ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	M.J.L.	12/09/13	ISSUED FOR BID	
2	M.J.L.	01/03/13	ADDENDUM NO. 1	

W. KEARNEY TERMINAL
PARKING LOT AND GA
REDEVELOPMENT

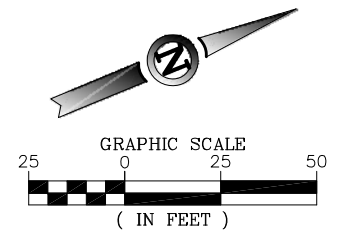
STRIPING AND SIGNAGE PLAN
STA. 49+00.00 TO 55+50.00 RUNWAY 2/20
OFFSET 700' RT. TO 1,150' RT. RUNWAY 2/20

JVIATION PROJ. NO. AIR 126-092A1
DATE: 12/09/13

SHEET NAME
C801
SHEET NO.
94 of 125



- NOTES**
- CONTRACTOR WILL BE REQUIRED TO REPAINT ANY MARKINGS THAT ARE OUTSIDE THE PROJECT WORK LIMITS WHICH ARE DAMAGED BY THE CONTRACTORS OPERATIONS. REPAINTING OF THESE DAMAGED AREAS WILL BE AT THE CONTRACTORS' EXPENSE.
 - GLASS BEADS SHALL BE APPLIED DURING ALL PAINT APPLICATIONS AT THE GATE SPECIFIED IN ITEM P-620. ALL TEMPORARY AND PERMANENT PAINT SHALL USE TYPE 1 BEADS.
 - PAINT SHOULD BE STORED IN A CLIMATE-CONTROLLED ENVIRONMENT IN ORDER TO MEET MANUFACTURERS RECOMMENDED TEMPERATURES BEFORE IT IS APPLIED. MATERIAL THAT DOES NOT MEET REQUIRED TEMPERATURE REQUIREMENTS WILL BE WARMED TO THE MINIMUM TEMPERATURE FOR 24 HOURS BEFORE IT IS APPLIED OR AS APPROVED BY THE RESIDENT ENGINEER.
 - ALL PERMANENT MARKINGS SHALL BE APPLIED DURING DAYLIGHT HOURS.
 - NO OBLITERATION OF MARKINGS ARE REQUIRED INSIDE PAVEMENT REMOVAL LIMITS.
 - IN EXISTING PARKING LOTS TO BE REPAINTED, CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.



ISSUE FOR BID NOT FOR CONSTRUCTION

THESE DRAWINGS ARE FOR BIDDING AND CONSTRUCTION USE AND ARE NOT A RECORD SET AS DEFINED BY LAW. THE RECORD SETS ARE SIGNED AND SEALED BY:

MARK J. LOVATO PE-2009002094 12/09/13
 NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

080-SGF-CA-C800-ENR-1111
 Dec 31 2013 7:56am
 JVIATION



ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	M.J.L.	12/09/13	ISSUED FOR BID	
2	M.J.L.	01/03/13	ADDENDUM NO. 1	

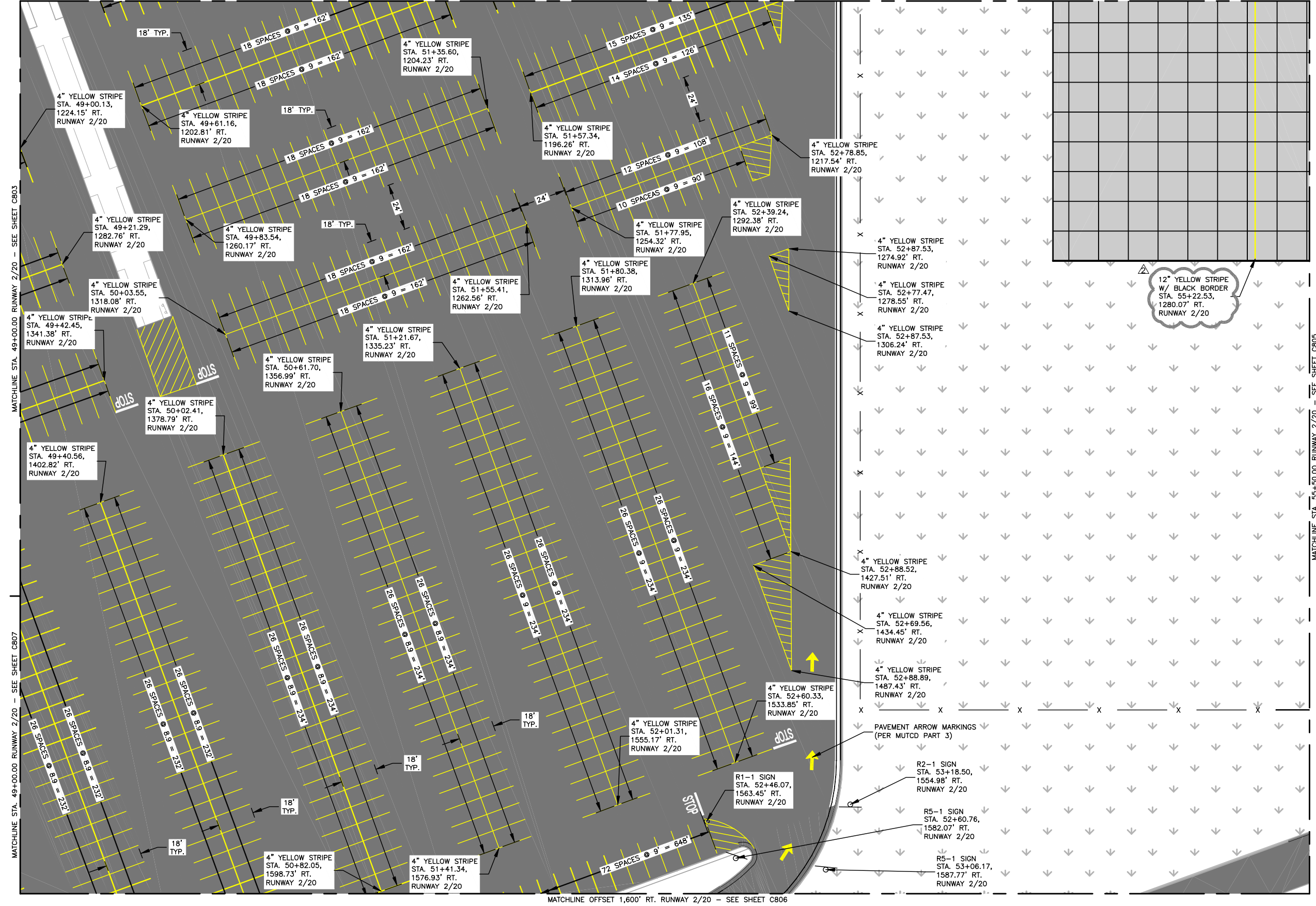
W. KEARNEY TERMINAL
 PARKING LOT AND GA
 REDEVELOPMENT

STRIPING AND SIGNAGE PLAN
 STA. 55+50.00 TO 62+50.00 RUNWAY 2/20
 OFFSET 700' RT. TO 1,150' RT. RUNWAY 2/20

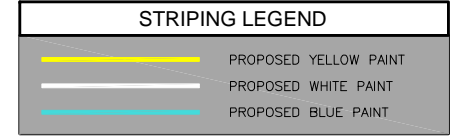
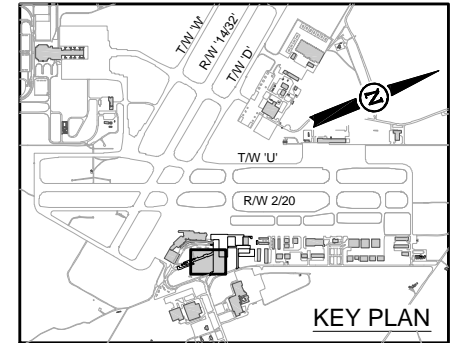
JVIATION PROJ. NO. AIR 126-092A1
 DATE: 12/09/13

SHEET NAME
 C802
 SHEET NO.
 95 of 125

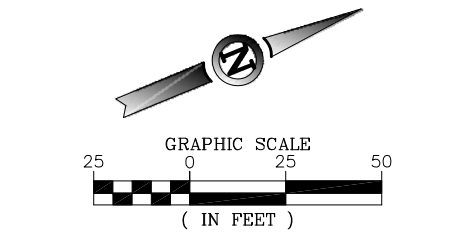
MATCHLINE OFFSET 1,150' RT. RUNWAY 2/20 - SEE SHEET C801



MATCHLINE OFFSET 1,600' RT. RUNWAY 2/20 - SEE SHEET C806



- NOTES**
- CONTRACTOR WILL BE REQUIRED TO REPAINT ANY MARKINGS THAT ARE OUTSIDE THE PROJECT WORK LIMITS WHICH ARE DAMAGED BY THE CONTRACTORS OPERATIONS. REPAINTING OF THESE DAMAGED AREAS WILL BE AT THE CONTRACTORS' EXPENSE.
 - GLASS BEADS SHALL BE APPLIED DURING ALL PAINT APPLICATIONS AT THE RATE SPECIFIED IN ITEM P-620. ALL TEMPORARY AND PERMANENT PAINT SHALL USE TYPE 1 BEADS.
 - PAINT SHOULD BE STORED IN A CLIMATE-CONTROLLED ENVIRONMENT IN ORDER TO MEET MANUFACTURERS RECOMMENDED TEMPERATURES BEFORE IT IS APPLIED. MATERIAL THAT DOES NOT MEET REQUIRED TEMPERATURE REQUIREMENTS WILL BE WARMED TO THE MINIMUM TEMPERATURE FOR 24 HOURS BEFORE IT IS APPLIED OR AS APPROVED BY THE RESIDENT ENGINEER.
 - ALL PERMANENT MARKINGS SHALL BE APPLIED DURING DAYLIGHT HOURS.
 - NO OBLITERATION OF MARKINGS ARE REQUIRED INSIDE PAVEMENT REMOVAL LIMITS.
 - IN EXISTING PARKING LOTS TO BE REPAINTED, CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.



**ISSUE FOR BID
NOT FOR CONSTRUCTION**

THESE DRAWINGS ARE FOR BIDDING AND CONSTRUCTION USE AND ARE NOT A RECORD SET AS DEFINED BY LAW. THE RECORD SETS ARE SIGNED AND SEALED BY:

MARK J. LOVATO PE-2009002094 12/09/13
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

C804-SUP-CAL-C800-ENR-TW
 Dec 31 2013 7:56am
 JVIATION



ISSUE RECORD				
DES: D.W.C.	NO.	BY	DATE	DESCRIPTION
DR: B.A.V.	1	M.J.L.	12/09/13	ISSUED FOR BID
CH: C.L.G.	2	M.J.L.	01/03/13	ADDENDUM NO. 1
APP: M.J.L.				

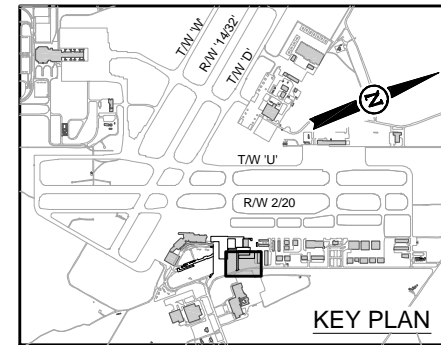
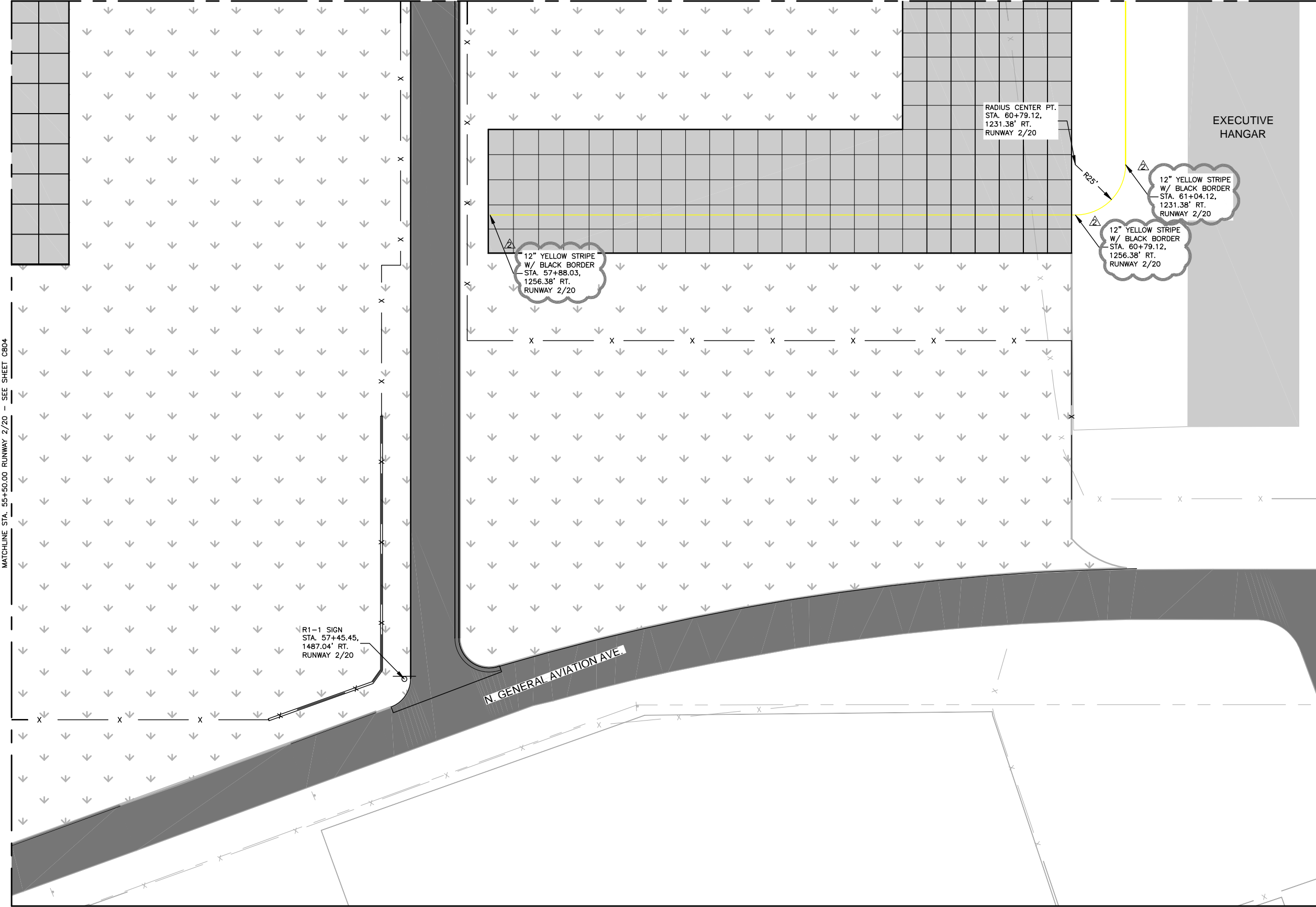
W. KEARNEY TERMINAL
PARKING LOT AND GA
REDEVELOPMENT

STRIPING AND SIGNAGE PLAN
 STA. 49+00.00 TO 55+50.00 RUNWAY 2/20
 OFFSET 1,150' RT. TO 1,600' RT. RUNWAY 2/20

JVIATION PROJ. NO. AIR 126-092A1
 DATE: 12/09/13

SHEET NAME
C804
 SHEET NO.
97 of 125

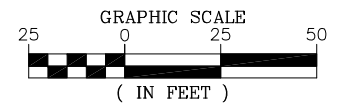
MATCHLINE OFFSET 1,150' RT. RUNWAY 2/20 - SEE SHEET C802



STRIPING LEGEND

	PROPOSED YELLOW PAINT
	PROPOSED WHITE PAINT
	PROPOSED BLUE PAINT

- NOTES**
- CONTRACTOR WILL BE REQUIRED TO REPAINT ANY MARKINGS THAT ARE OUTSIDE THE PROJECT WORK LIMITS WHICH ARE DAMAGED BY THE CONTRACTORS OPERATIONS. REPAINTING OF THESE DAMAGED AREAS WILL BE AT THE CONTRACTORS' EXPENSE.
 - GLASS BEADS SHALL BE APPLIED DURING ALL PAINT APPLICATIONS AT THE GATE SPECIFIED IN ITEM P-620. ALL TEMPORARY AND PERMANENT PAINT SHALL USE TYPE 1 BEADS.
 - PAINT SHOULD BE STORED IN A CLIMATE-CONTROLLED ENVIRONMENT IN ORDER TO MEET MANUFACTURERS RECOMMENDED TEMPERATURES BEFORE IT IS APPLIED. MATERIAL THAT DOES NOT MEET REQUIRED TEMPERATURE REQUIREMENTS WILL BE WARMED TO THE MINIMUM TEMPERATURE FOR 24 HOURS BEFORE IT IS APPLIED OR AS APPROVED BY THE RESIDENT ENGINEER.
 - ALL PERMANENT MARKINGS SHALL BE APPLIED DURING DAYLIGHT HOURS.
 - NO OBLITERATION OF MARKINGS ARE REQUIRED INSIDE PAVEMENT REMOVAL LIMITS.
 - IN EXISTING PARKING LOTS TO BE REPAINTED, CONTRACTOR SHALL MATCH EXISTING PAVEMENT MARKINGS.



**ISSUE FOR BID
NOT FOR CONSTRUCTION**

THESE DRAWINGS ARE FOR BIDDING AND CONSTRUCTION USE AND ARE NOT A RECORD SET AS DEFINED BY LAW. THE RECORD SETS ARE SIGNED AND SEALED BY:

MARK J. LOVATO PE-2009002094 12/09/13
NAME REG. NO. DATE
FOR AND ON BEHALF OF JVIATION, INC.

C805-SIG-CA-C800-ENT.dwg
 Dec 31 2013 7:56am
 JLozano



DES: D.W.C.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: B.A.V.	1	M.J.L.	12/09/13	ISSUED FOR BID
CH: C.L.G.		M.J.L.	01/03/13	ADDENDUM NO. 1
APP: M.J.L.				

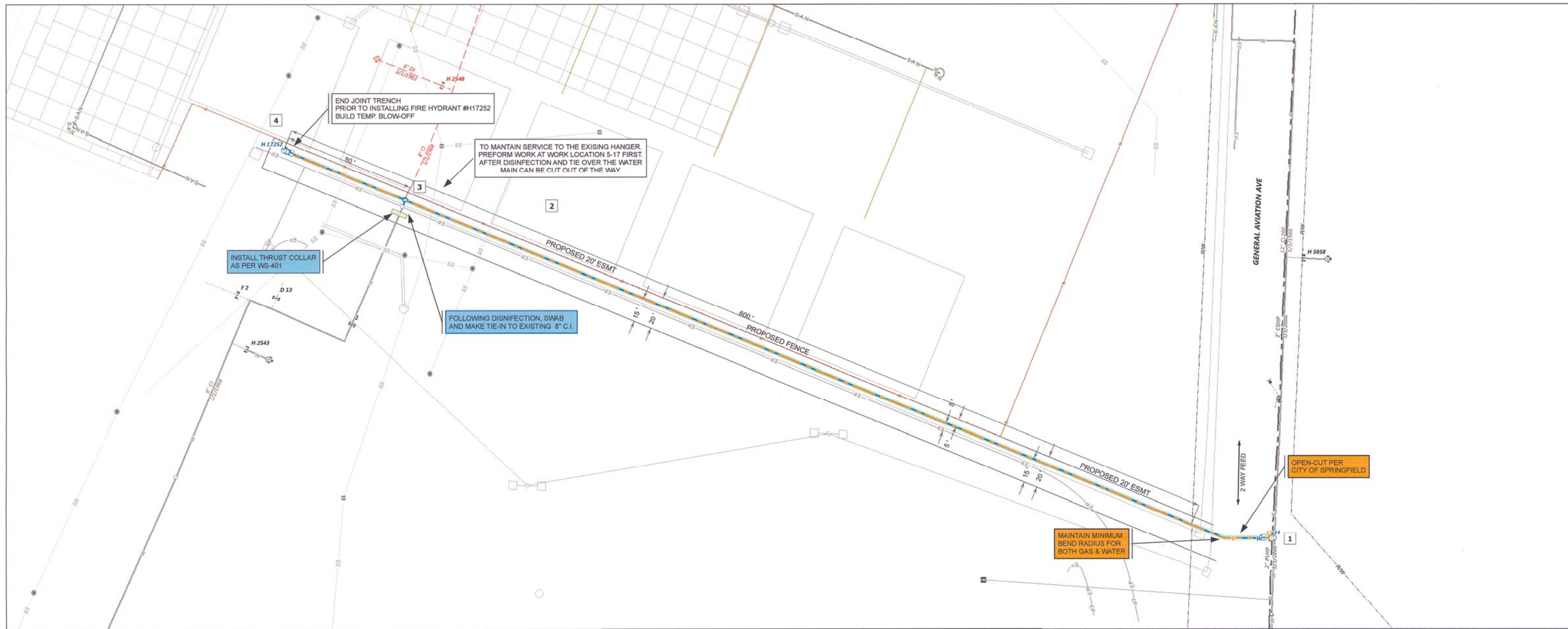
W. KEARNEY TERMINAL
PARKING LOT AND GA
REDEVELOPMENT

STRIPING AND SIGNAGE PLAN
 STA. 55+50.00 TO 62+00.00 RUNWAY 2/20
 OFFSET 1,150' RT. TO 1,600' RT. RUNWAY 2/20

JVIATION PROJ. NO. AIR 126-092A1
 DATE: 12/09/13

SHEET NAME
C805

SHEET NO.
98 of 125



LEGEND
 Green Symbology = Install, Red Symbology = Abandon, Black/Blue/Orange Symbology = Existing

WATER DISTRIBUTION

□ Work Location	○ Vertical Ell	⊕ 3-Way Branch	— Joint Trench Restrained Main	— Service Lateral
○ Blow Off Valve	* Repair Clamp	⊕ 90 Degree Bend	— Restrained Main	— Service Line
⊕ Dom. Service Valve	△ Reducer	⊕ 45 Degree Bend	— Joint Trench Main	— Fire Service
⊕ Fire Service Valve	⊕ Tapping Saddle	⊕ 22.5 Degree Bend	— Main	
⊕ Hydrant Valve	⊕ Tapping Sleeve	⊕ 11.25 Degree Bend	--- Water Casing	
⊕ Hydrant	⊕ Tee	⊕ Cap	--- Main to be Abandoned	
⊕ In-line Valve	⊕ Solid Sleeve/Coupling	⊕ Water Service Location	--- Existing Abandoned Main	
⊕ Check Valve	⊕ Plug			
⊕ Offset	⊕ Cross			

GAS DISTRIBUTION

□ Work Location	⊕ Main Tap Tee	⊕ Tee	— Yellow Halo Indicates Inserted Main or Service	
⊕ Emergency Valve	⊕ Service Three-way Tee	⊕ Transition	— CS Feeder Main	— SAN - Sewer Line
⊕ Valve	⊕ Repair Clamp	⊕ Short Stop	— Main	— Sewer Lateral
⊕ Gas Meterset	⊕ Ell	⊕ Pumpkin	— Lateral	— Sewer Manhole
⊕ Vertical Ell	⊕ End Cap	⊕ Reducer	— Service	
⊕ Coupling	⊕ Insulated Fitting	⊕ Reg Station	— Gas Casing	
⊕ Main Three-way Tee	⊕ Flange	⊕ Farm Tap	--- Main to be Abandoned	
⊕ Service Tap Tee			--- Existing Abandoned Main	

SANITARY SEWER

WL	Qty	UOM	CU ID	CU Description	Manufacturer	Depth
1	1	Each	G1311LV	2" PLASTIC IN-LINE VALVE #17		
	1	Each	W206128	12"X8" MAIN MJ OUTLET TAPPING SLEEVE CL200PVC		
	1	Each	W4158	8" MJXHDPE ADAPTER		
	1	Each	W503A8R	8" MJ GATE VALVE (RETAINED) #34		
	1	Each	G1586MT	2" X 2" PLASTIC EF MAIN TAP TEE 1.5" TAP		
	1	Each	W20581	8" X 1" HDPE SERVICE TAP TEE		
1-4	646	Feet	W100PE8	8" HDPE		
	646	Feet	G1225H	2" HP PLASTIC MAIN - COILS		
3	2	Each	W301812	8" SOLID SLEEVE (12" LENGTH) RETAINED		
	1	Each	W4048	8" MAIN HDPE BUTT FUSION TEE		
	1	Each	W4158	8" MJXHDPE ADAPTER		
	1	Each	W909TC08	8" DI THRUST COLLAR		
	1	Each	W20581	8" X 1" HDPE SERVICE TAP TEE		
	1	Each	W9061HDP	1" SAMPLE ASSEMBLY OFF OF HDPE SERVICE TAP		
3-3	4	Feet	W100PE8	8" HDPE		
4	1	Each	G1544SF	2" PLASTIC END CAP SOCKET FUSED		
	1	Each	W60055	5-1/2" FIRE HYDRANT		
	1	Each	G170ADJ	EOM VALVE BOX (ADJUSTABLE 4" SHAFT)		
	1	Each	W53306P	6" HDPE STUB VALVE (HYDRANT) H17252		
	2	Each	W4176	COUPLING - 6" HDPE ELECTROFUSION		
	1	Each	W312H86	8" X 6" HDPE REDUCER		



CONTRACTOR / CITY UTILITIES NAME: _____
 DATE STARTED: _____
 DATE COMPLETED: _____
 INSPECTOR / SUPERVISOR SIGNATURE: _____

SEGMENT	MANUFACTURER	BATCH NUMBER
1		
2		
3		
4		
5		

SEGMENT	TEST PRESSURE (PSIG)	LENGTH OF TEST (MIN)	ACTUAL LEAKAGE (GPH)	ALLOWABLE LEAKAGE (GPH)	DATE OF TEST	TESTED BY
A						
B						
C						
D						

PIPE JOINING QUALIFICATIONS
 CHECK ALL WORK THAT WAS PERFORMED PER PERSON HEAT FUSION (HF), ELECTROFUSION (EF), WELDING (W)

JOINERS NAME	GAS			WATER		
	HF	EF	W	HF	EF	W
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SEGMENT	MANUFACTURER	BATCH NUMBER
1		
2		
3		
4		
5		

SEGMENT	TEST PRESSURE (PSIG)	LENGTH OF TEST (MIN)	DATE OF TEST	TESTED BY	TEST RESULTS
A					<input type="checkbox"/> NO LEAKS
B					<input type="checkbox"/> NO LEAKS
C					<input type="checkbox"/> NO LEAKS
D					<input type="checkbox"/> NO LEAKS

ALL FINAL TIE-INS LEAK TESTED BY: _____

NATURAL GAS AND WATER ENGINEERING

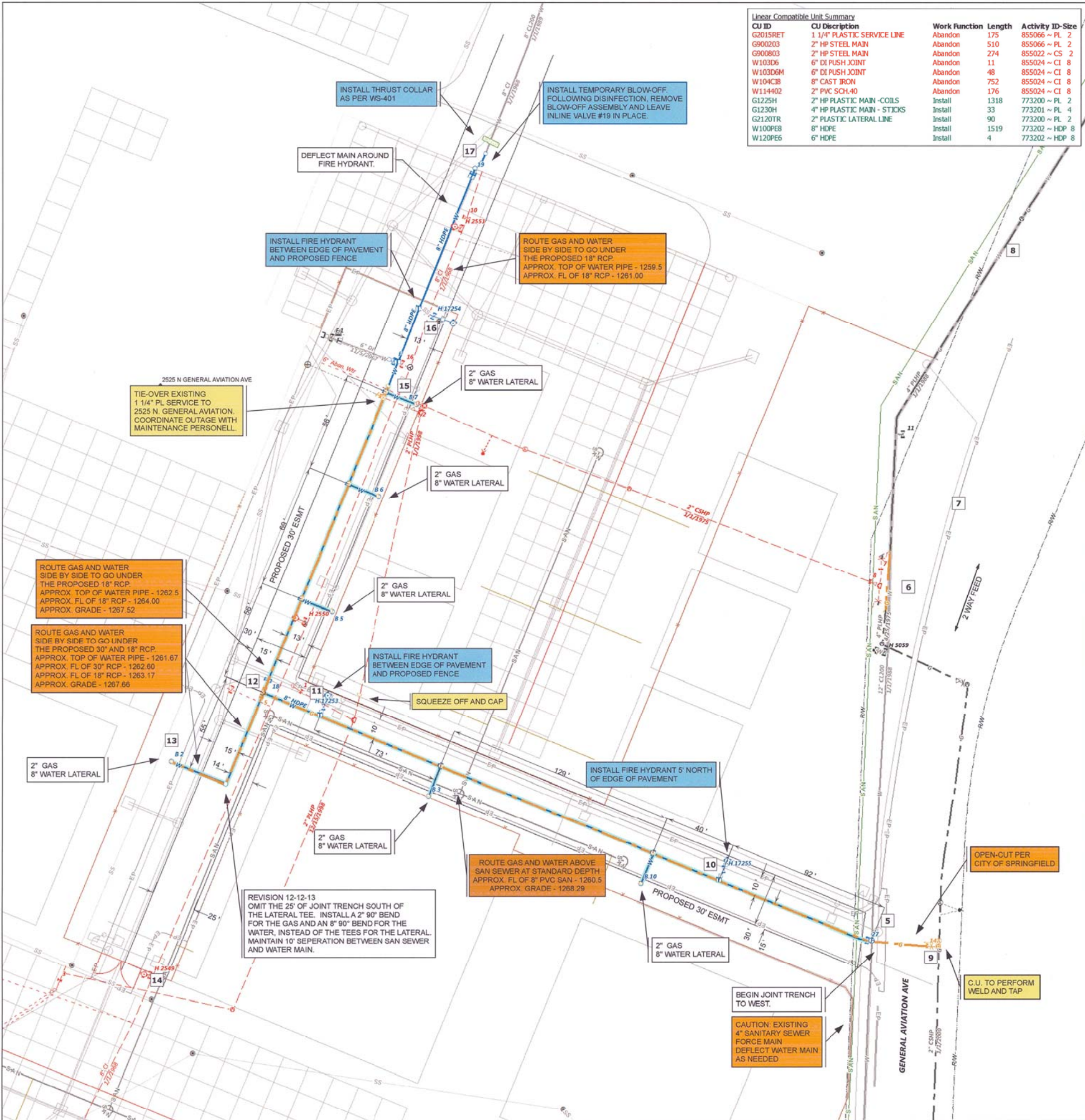
CITY UTILITIES
 Bringing Power Home.

SPRINGFIELD-BRANSON NATIONAL AIRPORT
 GA DEVELOPMENT
 GAS & WATER MAIN EXT.

City Utilities of Springfield
 PO Box 551, Springfield MO 65801, ph. 417 831-8311

CONTRACTOR: CITY UTILITIES
 PROJECT NO: B31046
 CONSTRUCTION COMPLETE DATE: 12/18/2013
 SHEET NO: 1 OF 2

DESIGNED BY: MVANEVER
 DATE: 12/18/13
 DRAWING NO: NWE08-09, F08-09
 SCALE: 1" = 30'
 SHEET NO: 67736



Linear Compatible Unit Summary

CU ID	CU Description	Work Function	Length	Activity ID-Size
G2015RET	1 1/4" PLASTIC SERVICE LINE	Abandon	175	855066 ~ PL 2
G900203	2" HP STEEL MAIN	Abandon	510	855066 ~ PL 2
G900803	2" HP STEEL MAIN	Abandon	274	855022 ~ CS 2
W103D6	6" DI PUSH JOINT	Abandon	11	855024 ~ CI 8
W103D6M	6" DI PUSH JOINT	Abandon	48	855024 ~ CI 8
W104C3B	8" CAST ION	Abandon	752	855024 ~ CI 8
W114402	2" PVC SCH-40	Abandon	176	855024 ~ CI 8
G1225H	2" HP PLASTIC MAIN - COILS	Install	1318	773200 ~ PL 2
G1230H	4" HP PLASTIC MAIN - STICKS	Install	33	773201 ~ PL 4
G2120TR	2" PLASTIC LATERAL LINE	Install	90	773200 ~ PL 2
W100PE8	8" HDPE	Install	1519	773202 ~ HDPE 8
W120PE6	6" HDPE	Install	4	773202 ~ HDPE 8

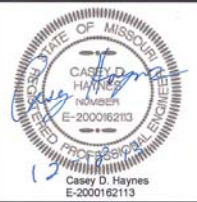
WL	Qty	UOM	CU ID	CU Description	Manufacturer	Depth
5	1	Each	W206128	12"x8" MAIN MJ OUTLET TAPPING SLEEVE CL200PVC		
	1	Each	W4158	8" MDXHDPE ADAPTER		
	1	Each	W503A8	8" MJ GATE VALVE #27		
5-12	402	Feet	W100PE8	8" HDPE		
	2	Each	W4048	8" MAIN HDPE BUTT FUSION TEE		
	4	Each	W4178	COUPLING - 8" HDPE ELECTROFUSION		
	2	Each	W50888PB	8" BLOWOFF VALVE (HDPE STUB) #B10, B3		
6-6	2	Each	G1555EF	4" PLASTIC COUPLING ELECTROFUSION		
	33	Feet	G1230H	4" HP PLASTIC MAIN - STICKS		
9	1	Each	G1311ILV	2" PLASTIC INLINE VALVE #14		
	1	Each	G1503	2" TRANSITION FITTING		
	1	Each	G1570T3	2" 3WAY TEE FOR 2" MAIN TAP		
	1	Each	G4001AN	17 LB ANODE INSTALLATION		
9-12	2	Each	G1544SF	2" PLASTIC END CAP SOCKET FUSED		
	2	Each	G1586ST	2" X 2" PLASTIC EF TAP TEE 1.5" TAP		
	400	Feet	G1225H	2" HP PLASTIC MAIN - COILS		
	36	Feet	G2120TR	2" PLASTIC LATERAL LINE		
10	1	Each	W53306P	6" HDPE STUB VALVE (FIRE HYDRANT) #H17255		
	2	Each	W4176	COUPLING - 6" HDPE ELECTROFUSION		
	1	Each	W60055PE	5-1/2" FIRE HYDRANT (HDPE STUB)		
	1	Each	W200586	8" X 6" HDPE BRANCH SADDLE		
11	1	Each	G1544BF	2" PLASTIC END CAP - BUTT FUSED		
	1	Each	G1553EF	2" PLASTIC COUPLING ELECTROFUSION		
	1	Each	W53306P	6" HDPE STUB VALVE (FIRE HYDRANT) #H17253		
	2	Each	W4176	COUPLING - 6" HDPE ELECTROFUSION		
	1	Each	W60055PE	5-1/2" FIRE HYDRANT (HDPE STUB)		
	1	Each	W200586	8" X 6" HDPE BRANCH SADDLE		
12	2	Each	G1311ILV	2" PLASTIC INLINE VALVE #4 NORTH, #5 SOUTH		
	1	Each	G1603TEE	2" PLASTIC TEE - SOCKET FUSION		
	1	Each	W4048	8" MAIN HDPE BUTT FUSION TEE		
	2	Each	W4178	COUPLING - 8" HDPE ELECTROFUSION		
	1	Each	W50308P	8" HDPE STUB VALVE #18		
12-13	89	Feet	W100PE8	8" HDPE		
	1	Each	W416890	8" HDPE 90 DEGREE ELL		
	2	Each	W4178	COUPLING - 8" HDPE ELECTROFUSION		
	91	Feet	G1225H	2" HP PLASTIC MAIN - COILS		
12-15	3	Each	G1544SF	2" PLASTIC END CAP SOCKET FUSED		
	3	Each	G1586ST	2" X 2" PLASTIC EF TAP TEE 1.5" TAP		
	239	Feet	W100PE8	8" HDPE		
	3	Each	W4048	8" MAIN HDPE BUTT FUSION TEE		
	6	Each	W4178	COUPLING - 8" HDPE ELECTROFUSION		
	181	Feet	G1225H	2" HP PLASTIC MAIN - COILS		
	54	Feet	G2120TR	2" PLASTIC LATERAL LINE		
	3	Each	W50888PB	8" BLOWOFF VALVE (HDPE STUB) #B5, B6, B7		
13	1	Each	G1544SF	2" PLASTIC END CAP SOCKET FUSED		
	1	Each	G170ADJ	EOM VALVE BOX (ADJUSTABLE 4" SHAFT)		
	1	Each	W50888PB	8" BLOWOFF VALVE (HDPE STUB) #B2		
	1	Each	W20581	8" X 1" HDPE SERVICE TAP TEE		
	1	Each	W9061HDP	1" SAMPLE ASSEMBLY OFF OF HDPE SERVICE TAP		
15	1	Each	G1310ILV	1 1/4" PLASTIC INLINE VALVE #2		
	1	Each	G1544SF	2" PLASTIC END CAP SOCKET FUSED		
	1	Each	G1552SF	1-1/4" PLASTIC COUPLING SOCKET FUSED		
	4	Feet	W120PE6	6" HDPE FIRE SERVICE		
	1	Each	W301612	6" SOLID SLEEVE (12" LENGTH) RETAINED		
	1	Each	G1585MT	2" X 1-1/4" PLASTIC EF MAIN TAP TEE 1.5" TAP		
	1	Each	G170ADJ	EOM VALVE BOX (ADJUSTABLE 4" SHAFT)		
	1	Each	W522A6PE	6" HDPE STUB VALVE (FIRE SERV.) #F16		
	1	Each	W200686	8" X 6" HDPE SERVICE BRANCH SADDLE		
15-16	45	Feet	W100PE8	8" HDPE		
16	1	Each	W53306P	6" HDPE STUB VALVE (FIRE HYDRANT) #H17254		
	2	Each	W4176	COUPLING - 6" HDPE ELECTROFUSION		
	1	Each	W60055PE	5-1/2" FIRE HYDRANT (HDPE STUB)		
	1	Each	W200586	8" X 6" HDPE BRANCH SADDLE		
16-17	95	Feet	W100PE8	8" HDPE		
17	1	Each	W301812	8" SOLID SLEEVE (12" LENGTH) RETAINED		
	2	Each	W4158	8" MDXHDPE ADAPTER		
	2	Each	W416845	8" HDPE 45 DEGREE ELL		
	2	Each	W4178	COUPLING - 8" HDPE ELECTROFUSION		
	1	Each	W909TC08	8" DI THRUST COLLAR		
	1	Each	W50308P	8" HDPE STUB VALVE #19		
	1	Each	W20581	8" X 1" HDPE SERVICE TAP TEE		
	1	Each	W9061HDP	1" SAMPLE ASSEMBLY OFF OF HDPE SERVICE TAP		

WL 2, 7, 8, 14 NOT USED

GENERAL NOTES:

ALL GAS/WATER LINES TO BE IN 30' UTILITY EASEMENTS WHEN NOT IN PUBLIC RIGHT-OF-WAY. UNLESS OTHERWISE NOTED.

LATERALS TO BE INSTALLED 5' PAST THE EDGE OF PAVEMENT IN GREENWAY.



NATURAL GAS AND WATER ENGINEERING

CITY UTILITIES **BRANSON NATIONAL AIRPORT GA DEVELOPMENT GAS & WATER MAIN EXT.**

City Utilities of Springfield
 PO Box 551, Springfield, MO 65801, ph. 417 831-9311
 DESIGNED BY: MVANEVER
 APPLICATION NO: B31046
 CONSTRUCTION COMPLETE DATE: 12/18/2013
 SHEET NO: 2 OF 2

DATE: 12-18-13
 SCALE: 1" = 30'
 SHEET NO: NWE08-09, F08-09
 DRAWN BY: 67736

SPRINGFIELD-BRANSON NATIONAL AIRPORT

SPRINGFIELD, MISSOURI

MoDOT PROJECT NUMBER: AIR 126-092A1

BID OPENING

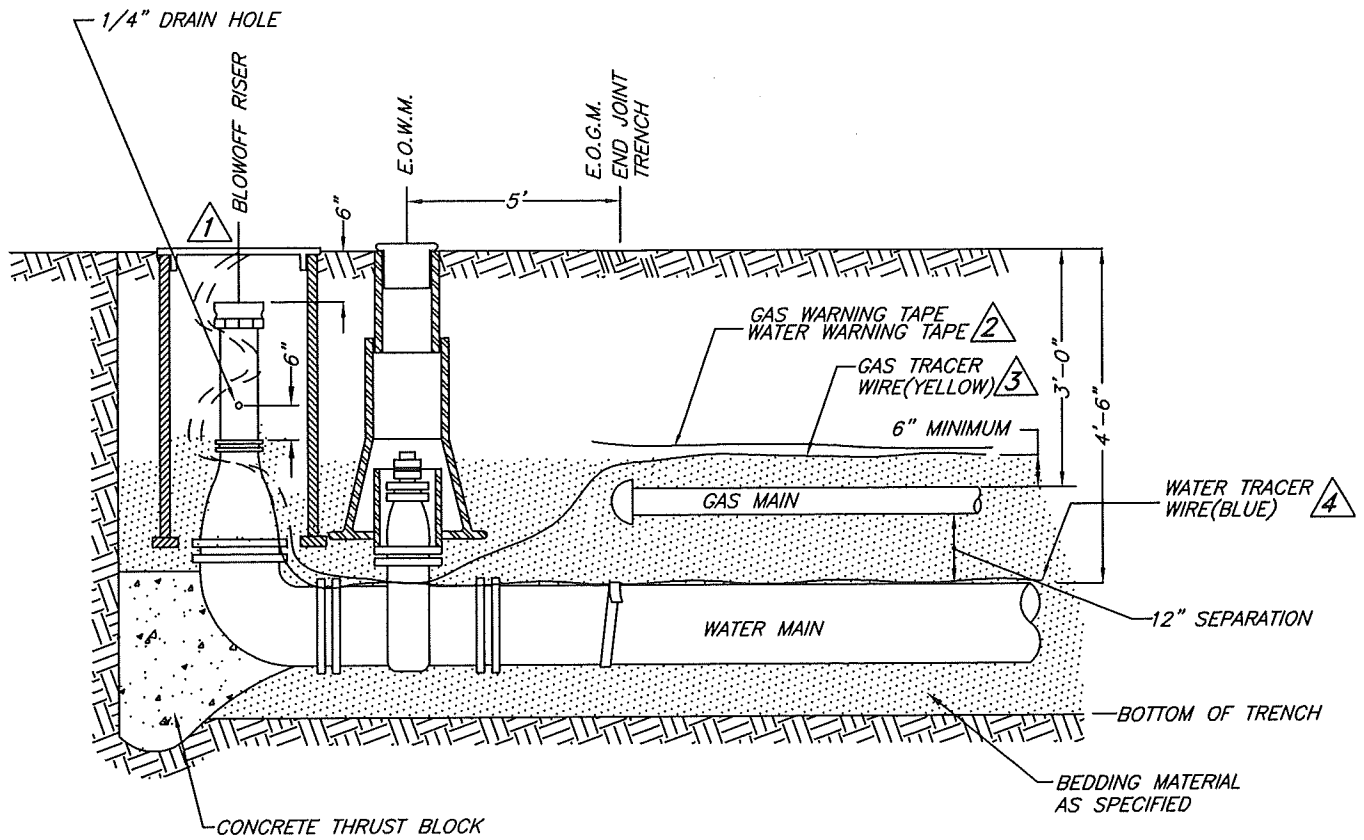
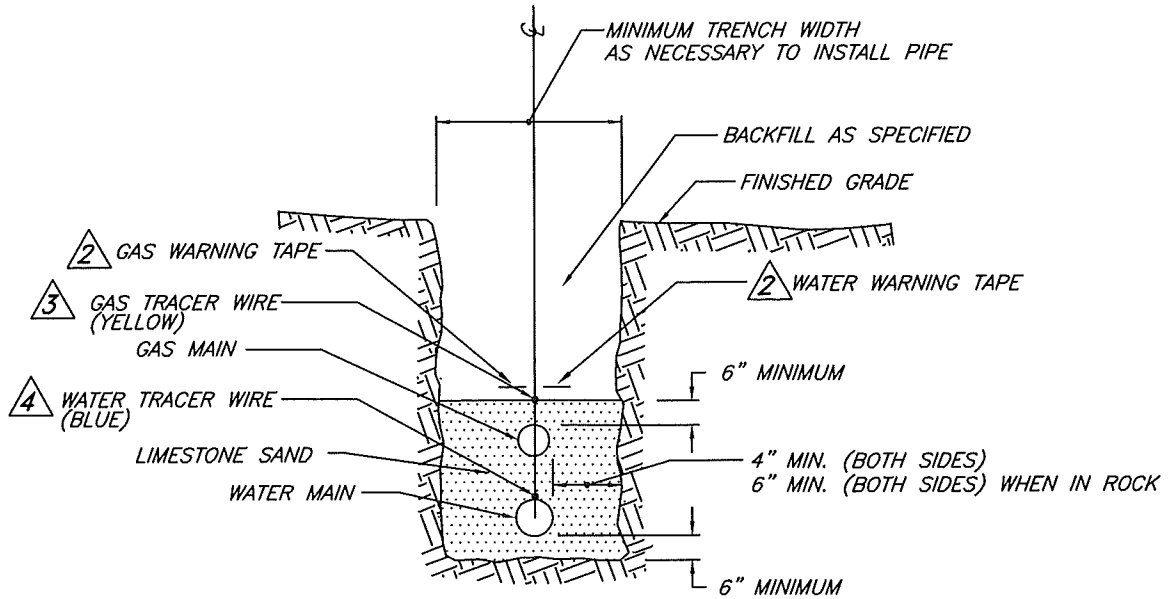
DATE: August 5, 2013

TIME: 4:00 P.M. (LOCAL TIME)

WEST KEARNEY TERMINAL PARKING LOT AND GA REDEVELOPMENT



Bid Summary Item	Engineer's Estimate	Concrete Strategies	Emery Sapp & Sons
Contract Proposal Form	√	√	√
Certification by Bidder	√	√	√
Buy American Certification	√	√	√
Worker Eligibility Verification	√	√	√
Disadvantaged Business Enterprise Participation	8.30%	8.45%	√
Received Addendum 1	√	√	√
Received Addendum 2	√	√	√
Sch. I - General Aviation Apron Redevelopment - Read At Bid Opening	\$ 3,979,287.50	\$ 5,716,264.38	\$ 8,427,794.96
Sch. II - West Kearney Terminal Parking Lot - Read At Bid Opening	\$ 1,007,795.00	\$ 1,467,706.88	\$ 1,431,790.60
Total - All Schedules - Read At Bid Opening	\$ 4,987,082.50	\$ 7,183,971.26	\$ 9,859,585.56



JOINT TRENCH DETAIL

GENERAL NOTES		CONSTRUCTION STANDARD CITY UTILITIES OF SPRINGFIELD, MISSOURI
1	INSTALL TRACER WIRE TERMINATION IN WATER BLOWOFF.	
2	GAS WARNING TAPE AND WATER WARNING TAPE SHALL BE PLACED SIDE-BY-SIDE DIRECTLY OVER AND 6" ABOVE GAS MAIN	
3	YELLOW TRACER WIRE SHALL BE DIRECTLY OVER AND 6" ABOVE GAS MAIN.	
4	BLUE TRACER WIRE SHALL BE INSTALLED DIRECTLY ABOVE THE WATER MAIN AND TAPED EVERY 20' WITH POLY TAPE (STK # 111208).	
		TYPICAL END OF MAIN CROSS SECTION JOINT TRENCH
		LATEST REV. DATE: 04/01/2013 STANDARD NO.: WS-100 PAGE:

Security Storage Service, Inc.

7001 Merion Drive
Nixa-Fremont Hills MO 65714

Telephone 417-725-4611
Fax 417-724-0655

July 17, 2013

Mr. Shawn Schroeder, A.A.E.
Springfield-Branson National Airport
2300 N. Airport Blvd, St. 100
Springfield MO 65802

Dear Sirs:

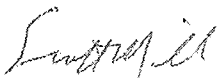
Pursuant to our agreement and instructions, an asbestos inspection **of three toll booth structures located at the Springfield-Branson National Airport, Springfield, MO**, was conducted on **July 10, 2013**. The inspector was Barry Mills, Certificate # 7034042313MOIR1783, who has twenty-five year's experience in this specific field. The inspection includes observation and bulk sampling of area and material suspect for asbestos content. Bulk samples taken are referred to San-Air Laboratories, a nationally accredited laboratory for analysis. Chain of custody documentation is preserved.

Observation and sampling is limited to those areas visible and accessible under normal usages condition for the structure. Should additional areas, which might be suspect, become exposed during demolition, renovation, or alteration, we will return to inspect these as desired.

This structure had a flat roof, metal walls and concrete flooring. **No items were suspect for asbestos content.**

We appreciate the opportunity to be of service.

Sincerely,



Scott Mills
Security Storage Service

Security Storage Service, Inc.

7001 Marion Drive
Nixa-Fremont Hills MO 65714

Telephone 417-725-4611
Fax 417-724-0655

July 17, 2013

Mr. Shawn Schroeder, A.A.E.
Springfield-Branson National Airport
2300 N. Airport Blvd, St. 100
Springfield MO 65802

Dear Sirs:

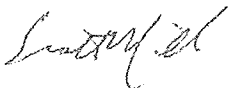
Pursuant to our agreement and instructions, an asbestos inspection **of the emergency generator building located at the Springfield-Branson National Airport, Springfield, MO**, was conducted on **July 10, 2013**. The inspector was Barry Mills, Certificate # 7034042313MOIR1783, who has twenty-five year's experience in this specific field. The inspection includes observation and bulk sampling of area and material suspect for asbestos content. Bulk samples taken are referred to San-Air Laboratories, a nationally accredited laboratory for analysis. Chain of custody documentation is preserved.

Observation and sampling is limited to those areas visible and accessible under normal usages condition for the structure. Should additional areas, which might be suspect, become exposed during demolition, renovation, or alteration, we will return to inspect these as desired.

This structure had a flat roof, brick walls and concrete flooring. **No items were suspect for asbestos content.**

We appreciate the opportunity to be of service.

Sincerely,



Scott Mills
Security Storage Service

Security Storage Service, Inc.

7001 Merion Drive
Nixa-Fremont Hills MO 65714

Telephone 417-725-4611
Fax 417-724-0655

July 17, 2013

Mr. Shawn Schroeder, A.A.E.
Springfield-Branson National Airport
2300 N. Airport Blvd, St. 100
Springfield MO 65802

Dear Sirs;

Pursuant to our agreement and instructions, an asbestos inspection **of the electrical building located at the Springfield-Branson National Airport, Springfield, MO**, was conducted on **July 10, 2013**. The inspector was Barry Mills, Certificate # 7034042313MOIR1783, who has twenty-five year's experience in this specific field. The inspection includes observation and bulk sampling of area and material suspect for asbestos content. Bulk samples taken are referred to San-Air Laboratories, a nationally accredited laboratory for analysis. Chain of custody documentation is preserved.

Observation and sampling is limited to those areas visible and accessible under normal usages condition for the structure. Should additional areas, which might be suspect, become exposed during demolition, renovation, or alteration, we will return to inspect these as desired.

This structure had a flat roof, brick walls and concrete flooring. **The pipe wrap on the exhaust duct of the generator was sampled for asbestos content, and tested POSITIVE.** The lab report is attached.

We appreciate the opportunity to be of service.

Sincerely,



Scott Mills
Security Storage Service



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

13015187

FINAL REPORT

Name: Security Storage Services Inc.
Address: 7001 Merion Dr
Nixa, MO 65714

Project Number:
P.O. Number:
Project Name: Springfield - Branson Airport

Collected Date: 7/10/2013
Received Date: 7/12/2013 10:20:00 AM
Report Date: 7/16/2013 4:20:57 PM
Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71001 / 13015187-001 Old Fire Station	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71002 / 13015187-002 Old Fire Station	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71003 / 13015187-003 Old Fire Station	Green Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71004 / 13015187-004 Old Fire Station	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71005 / 13015187-005 Electrical Building	Grey Fibrous Homogeneous		15% Other	85% Chrysotile

Certification

Signature:

Date: 7/16/2013

Reviewed:

Date: 7/16/2013

Security Storage Service, Inc.

7001 Merion Drive
Nixa-Fremont Hills MO 65714

Telephone 417-725-4611
Fax 417-724-0655

July 17, 2013

Mr. Shawn Schroeder, A.A.E.
Springfield-Branson National Airport
2300 N. Airport Blvd, St. 100
Springfield MO 65802

Dear Sirs;

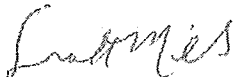
Pursuant to our agreement and instructions, an asbestos inspection **of the commercial former fire station structure located at the Springfield-Branson National Airport, Springfield, MO,** was conducted on **July 10, 2013**. The inspector was Barry Mills, Certificate # 7034042313MOIR1783, who has twenty-five year's experience in this specific field. The inspection includes observation and bulk sampling of area and material suspect for asbestos content. Bulk samples taken are referred to San-Air Laboratories, a nationally accredited laboratory for analysis. Chain of custody documentation is preserved.

Observation and sampling is limited to those areas visible and accessible under normal usages condition for the structure. Should additional areas, which might be suspect, become exposed during demolition, renovation, or alteration, we will return to inspect these as desired.

Of the materials observed and sampled at this location, **no items were found to be positive for asbestos content.**

We appreciate the opportunity to be of service.

Sincerely,



Scott Mills
Security Storage Service

Security Storage Service, Inc.

7001 Merion Drive
Remond Hills MO 65714

Telephone 417-725-4611

July 17, 2013

SAMPLING CHECKLIST

Location: "Old Fire Station"

Springfield-Branson National Airport

From: Scott Mills, Security Storage Service

Date: July 17, 2013

Client: Shawn Schroeder, Springfield-Branson Airport

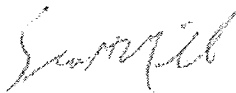
Exterior Description: Commercial fire station building with a flat roof; brick walls; concrete flooring; fiberglass insulation.

Interior description: Tile ceilings; block walls; tile, carpet, ceramic, concrete, and linoleum floors; central HVAC

The following samples were taken for asbestos content:

Sample #	Location	Result
A71001	2'x 4' Ceiling tile, kitchen	Negative
A71002	Vinyl flooring, upstairs office, brown	Negative
A71003	Vinyl flooring, upstairs office, green	Negative
A71004	2'x 2' Ceiling tile, upstairs office	Negative

The Lab report follows.



Scott Mills
Security Storage Service



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

13015187

FINAL REPORT

Name: Security Storage Services Inc.
Address: 7001 Merion Dr
Nixa, MO 65714

Project Number:
P.O. Number:
Project Name: Springfield - Branson Airport

Collected Date: 7/10/2013
Received Date: 7/12/2013 10:20:00 AM
Report Date: 7/16/2013 4:20:57 PM
Analyst: Tallert, Jonathan G.

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71001 / 13015187-001 Old Fire Station	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71002 / 13015187-002 Old Fire Station	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71003 / 13015187-003 Old Fire Station	Green Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71004 / 13015187-004 Old Fire Station	White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
A71005 / 13015187-005 Electrical Building	Grey Fibrous Homogeneous		15% Other	85% Chrysotile

Certification

Signature:

Date: 7/16/2013

Reviewed:

Date: 7/16/2013

City of Springfield
Springfield-Brampton National Airport
State Brick Grant Project No. AR 12092A1
Plan Holder's List

ROLE	COMPANY NAME	CONTACT	STREET ADDRESS	CITY	STATE	ZIP	TELEPHONE NO.	EMAIL ADDRESS	FAX NUMBER
1	Airport Manager	Shawn Schroeder		Denver	CO	80209		SSchroeder@springfield.com	
2	Jviation	Mark Lovato	900 S. Broadway, Ste. 350	Denver	CO	80209		marklovato@jviation.com	
3	Jviation	Joe Pestka	931 Wildwood Dr., Suite 101	Jefferson City	MO	65109		joepestka@jviation.com	
4	Jviation	Jeffery Hogan	155 N. 400 West, Suite 580	Salt Lake City	UT	84103		jehogan@jviation.com	
5	MoDOT	Missouri Department of Transportation	105 W. Capitol Avenue	Jefferson City	MO	65102	573-526-7913	dmccarthy@mo.gov	573-526-4709
6	Prime	Emery Sapp & Sons, Inc. Springfield	5950 E. State Hwy AA	Springfield	MO	65803	417-833-8915	Bill.Vallis@emerysapp.com	417-833-9881
7	Prime	APAC Missouri, Inc.	4580 W. CALHOUN / P.O. BOX 118	SPRINGFIELD	MO	65802	417-868-6700	davidforaman@apac.com	417-868-6730
8	Plan Room	ePlan	4115 S. Providence Road Ste 105	Columbia	MO	65203	573-447-7130	edward.ambold@ep.com	573-355-5404
9	Prime	Milstone Bangert, Inc.	601 Fountain Lakes Boulevard	St. Charles	MO	63301	636-948-0038 ext. 118	bob@milstone.com	636-949-3129
10	Sub	D & E Plumbing & Heating, Inc.	1112 N. Falcon Crest Court	Nixa	MO	65714	417-725-5300	dubaghi@waho.com	417-725-5610
11	Plan Room	The Builders' Association	521 S. Ingram Mill Road	Springfield	MO	65802	417-863-6044	meyer@buildersassociation.com	417-863-9403
12	Sub	Vance Brothers, Inc.	5201 Brighton Avenue	Kansas City	MO	64130	816-923-4325	mabair@vancebrothers.com	816-923-6472
13	Plan Room	ISqFt	4600 Lake Forest Drive, Suite 502	Cincinnati	OH	45242	900-364-2059	massachusetts@isqft.com	866-570-8187
14	Prime	ESI Contracting Corp	3001 East 83rd Street	Kansas City	MO	64132	816-523-5081	jlewis@esicontractingcorp.com	816-523-0183
15	Prime	ESI Contracting Corp	3001 East 83rd Street	Kansas City	MO	64132	816-523-5081	cmayes@esicontractingcorp.com	816-523-0183
16	Sub	Construction Anchors	13900 East 350 Highway	Kansas City	MO	64138	816-525-3640	adam@constructionanchors.com	816-525-4633
17	Sub	Exling Signal Construction	1730 N. Gregory Drive	Nixa	MO	65714	417-724-9405	dhanes56@att.net	417-724-9829
18	Sub	Crawford, Murphy & Tilly, Inc.	1631 W. Elmfield	Springfield	MO	65807	417-799-6251	pawson@cmtp.com	417-860-8129
19	Prime	H R Quadri Contractors LLC	73039 Hwy 21	Van Buren	MO	63965	573-945-2224	quadrif@mcom.net	573-945-2226
20	Prime	Koss Construction Company	5830 SW Drury Lane	Topeka	KS	66604	785-228-2928	mah@kossconstruction.com	785-228-2927
21	Prime	Leo Jounagan Const. Co., Inc.	3003 East Chestnut Expressway Suite 1	Springfield	MO	65802	417-569-7222	jounagan@leojounagan.com	417-869-7421
22	Prime	Clarkson Construction	4133 Gardner Ave	Kansas City	MO	64120	816-483-8800	jbrambusch@clarksonconstruction.com	
23	Sub	Shaffer & Hines, Inc.	PO Box 483	Nixa	MO	65714	417-725-1663	charles@shafferhines.com	417-725-5230
24	Sub	John Thompson Fence Company	158 Joel Ave	Union	MO	63084	636-583-9485	research@jtc.com	636-583-2367
25	Prime	Concrete Strategies LLC	2199 Innerbelt Business Center Drive	St. Louis	MO	63114	314-595-6372	grubbs@concretestrategies.com	314-592-2135
27	Sub	The Reinforced Earth Company	2390 Legacy Drive	Aurora	CO	80502	630-851-5352	abraham@reinfearth.com	630-898-3336
28	Prime	Hartman & Co., Inc.	1200 East Woodhurst Suite J200	Springfield	MO	65804	417-862-2062	larryhenderson@hartmanco.com	417-862-2702
29	Prime	R. L. Parsons Construction, Inc.	3025 Cravens Road	Poplar Bluff	MO	63901	573-886-5329	scrook@rparsons.com	573-886-1937
30	Prime	Branco Enterprises, Inc.	12033 E. Hwy 86	Neosho	MO	64850	417-461-5259	estimating@branco.com	417-451-2861
31	Sub	Lumacurve Airfield Signs	9115 Freeway Drive	Macedonia	OH	44056	330-467-2030	lz@lumacurve.com	330-467-2076
32	Prime	Whitman Contractors LLC	P.O. Box 3487	Springfield	MO	65808	417-869-9059	majestic.b.d@gmail.com	417-388-1904
33	Prime	PV Consulting, Inc.	PO Box 3700	Evergreen	CO	80437	303-674-1230	info@pvconsulting.com	303-612-7440
34	Sub	Anchor Fence Corp	5775 S. Campbell Ave.	Springfield	MO	65810	417-862-8270	masheim@anchorfencecorp.com	417-862-2818
35	Plan Room	Reed Construction Data	30 S. Technology Parkway, Suite 100	Noircross	GA	30092	630-288-7973	robier.cantata@reelbusiness.com	678-860-1604