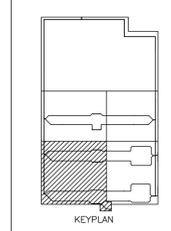
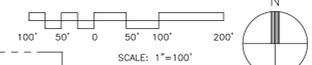


did they pull out the 120v cables? did they try putting the camera in? BLB-No camera, did not have access to this area at the time. No. 120 V was not pulled due to not having enough time.

where is this rigid conduit connection located? BLB - the rigid connector is located in the EFSO Room



BOVAY/MCGINTY, INC.

AIRCRAFT FUELING SYSTEM

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1300 Post Oak Blvd., Suite 300  
Houston, Texas 77056  
FUELING SYSTEM CONSULTANT

FRASIER ENGINEERING  
CIVIL ENGINEERS

THE SHEFLIN GROUP, INC.  
STRUCTURAL ENGINEERS

ARCHITECTURE 2000  
ARCHITECTS

AGUIRRE ENGINEERS  
GEO-TECHNICAL INVESTIGATION

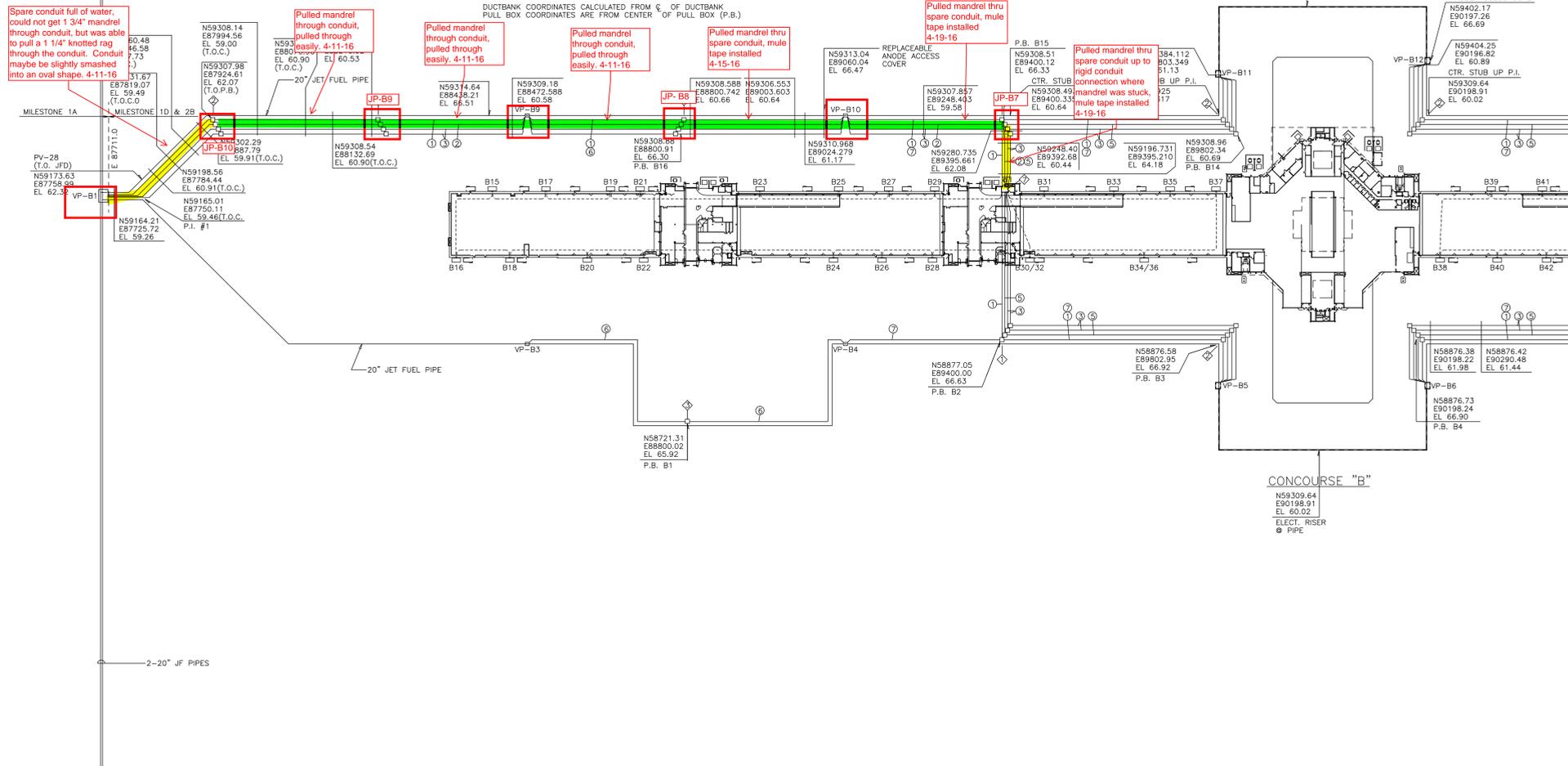
CORRPRO COMPANIES, INC.  
CORROSION PROTECTION

DEMAND CONSTRUCTION  
SCHEDULING & COST ESTIMATING

ISSUE RECORD  
REV. BY: PURPOSE DATE CKD  
0 ISSUED FOR CONST 110C91  
1 ISSUED FOR CD001 24I492  
2 ISSUED FOR CR012 15M929  
3 ISSUED FOR CR014 19M929  
4 ISSUED FOR CR019 15I982  
5 ISSUED FOR CR031 03SE92  
6 RECORD DRAWING 26AP94

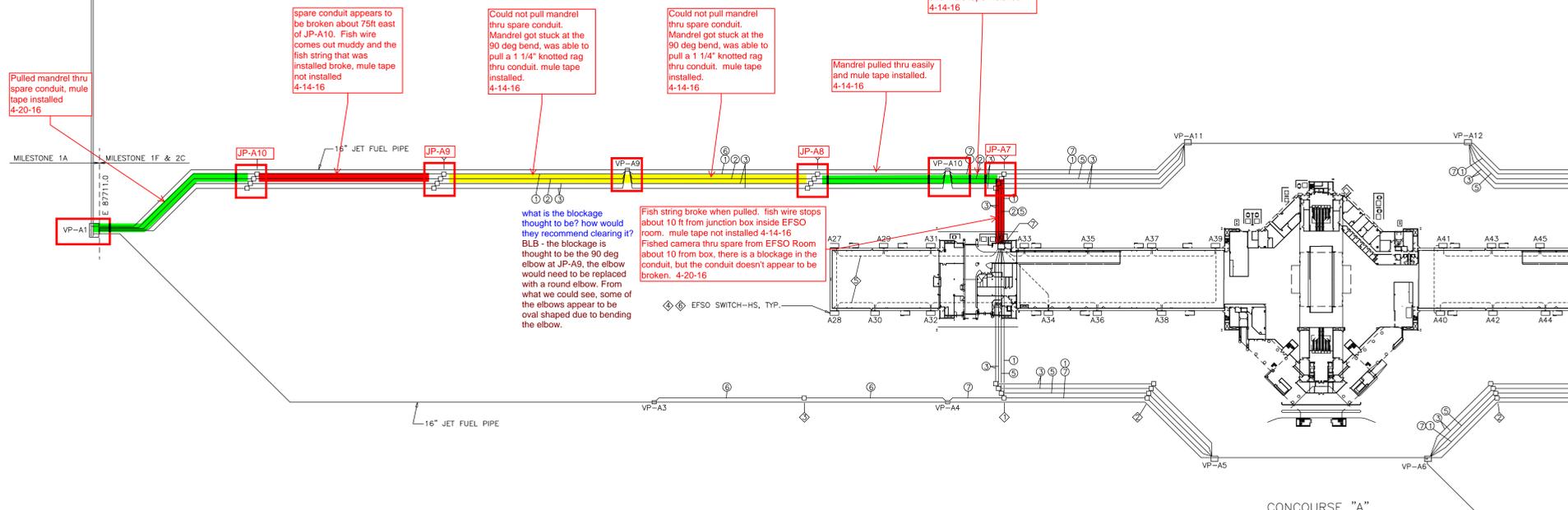
SCALE:  
1"=100'

DATE: 110C91  
DRAWN BY: JHP  
CHECKED BY: CRT  
FAA AIP NO. X  
WORK BREAKDOWN NO. 14F BB  
DESIGN CONTRACT NO. E 361A  
CONSTR. CONTRACT NO. F361A  
PROJECT NO. 90-203  
VOLUME NO. 1  
SHEET TITLE  
CONC. "A" & "B"  
ELEC. LAYOUT  
SHEET NO. E12.07  
CADD FILE NO. DF  
X14FBBE361AF361A1E12076  
CADD LAYER NAMES



conduit might be useable  
conduit not useable  
conduit is useable

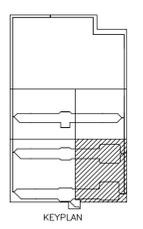
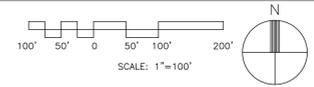
did they pull out the 120v cables?  
BLB - 120V was not pulled



- NOTES (THIS SHEET ONLY)
- ⊕ JUNCTION BOX PIT NO. 1, SEE DETAIL 7/E14.02
  - ⊕ JUNCTION BOX PIT NO. 2, SEE DETAIL 7/E14.02
  - ⊕ JUNCTION BOX PIT NO. 3, SEE DETAIL 8/E14.02
  - ⊕ EMERGENCY FUEL SHUTOFF STATION, REFER TO CONCOURSE DRAWINGS FOR EXACT LOCATIONS.
  - ⊕ EMPTY CONDUIT BETWEEN EFSO STATIONS AND TO EFSO ROOM INSTALLED WITH CONCOURSE CONSTRUCTION.
  - ⊕ REFER TO DETAILS 3/E14.01 AND 4/E14.01
  - ⊕ REFER TO DRAWING E12.16 FOR EFSO ROOM DETAILS.

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RECORD DRAWING  
DATE: \_\_\_\_\_



BOVAY/McGINTY, INC.

AIRCRAFT  
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FRASIER ENGINEERING  
CIVIL ENGINEERS

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ARCHITECTS

AGUIRRE ENGINEERS  
GEOTECHNICAL INVESTIGATION

CORRPRO COMPANIES, INC.  
CORROSION PROTECTION

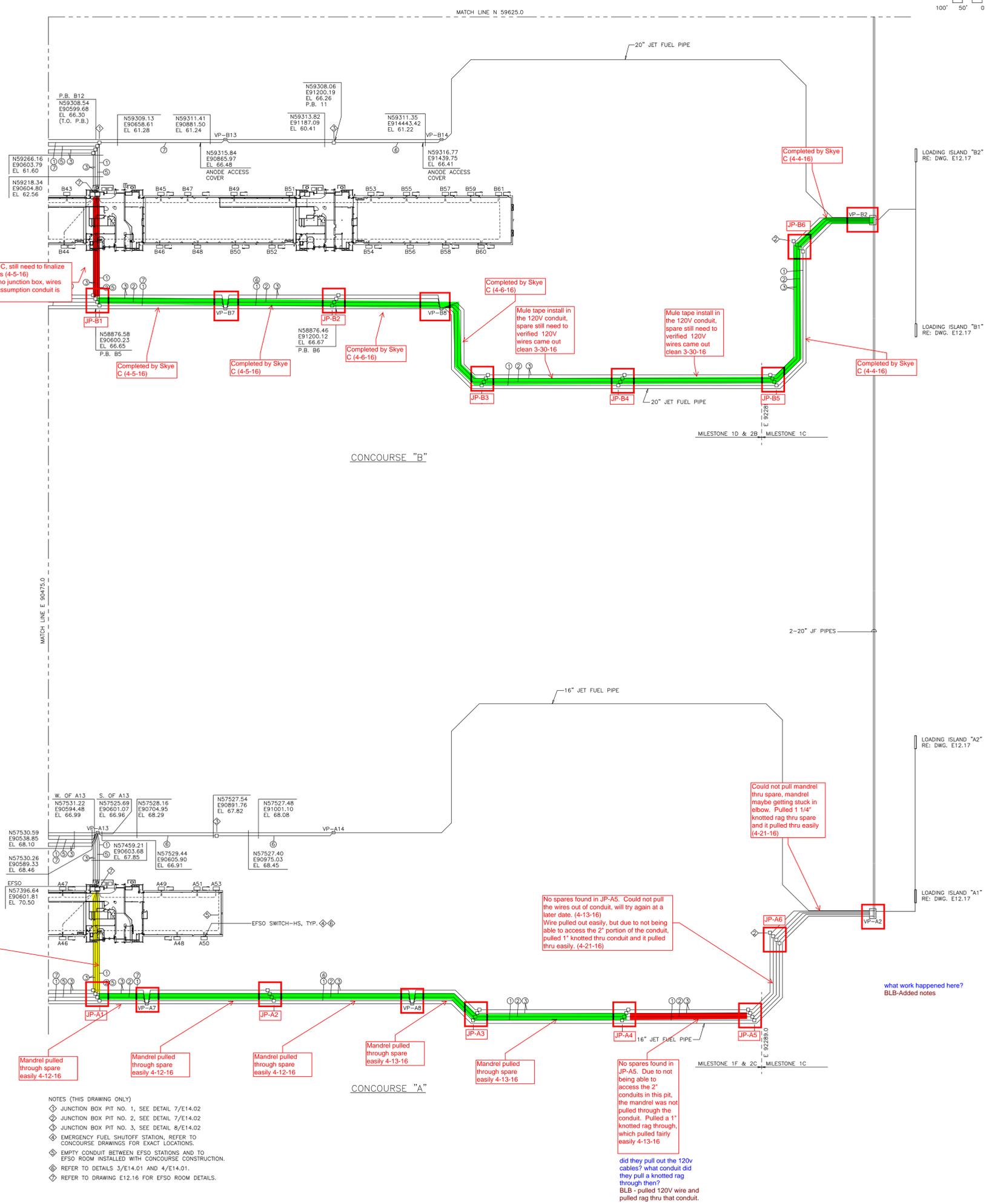
DEMAND CONSTRUCTION  
SCHEDULING & COST ESTIMATING

ISSUE RECORD  
NO. BY PURPOSE DATE CKD  
0 ISSUED FOR CONST OFFER 02  
1 ISSUED FOR CR014 19MY92  
2 ISSUED FOR CR019 15JN92  
3 RECORD DRAWING 26AP94

SCALE:  
1"=100'

DATE: 110C91  
DRAWN BY: JHP  
CHECKED BY: CRT  
FAA AIP NO: X  
WORK BREAKDOWN NO: 14FBB  
DESIGN CONTRACT NO: E361A  
CONST. CONTRACT NO: F361A  
PROJECT NO: 90-203  
VOLUME NO: 1  
SHEET TITLE  
CONC. "A" & "B"  
ELEC. LAYOUT

SHEET NO.  
E12.08  
OF  
CADD FILE NO.  
X14FBBC361AF361A1E120803  
CADD LAYER NAMES



Work done by Skye C. still need to finalize work about 1.5 hours (4-5-16)  
Walked basement, no junction box, wires would not pull out, assumption conduit is smashed (4-20-16)

Completed by Skye C (4-5-16)

Completed by Skye C (4-5-16)

Completed by Skye C (4-6-16)

Completed by Skye C (4-6-16)

Mule tape install in the 120V conduit, spare still need to verified 120V wires came out clean 3-30-16

Mule tape install in the 120V conduit, spare still need to verified 120V wires came out clean 3-30-16

Completed by Skye C (4-4-16)

did they check this with a camera?  
BLB - did not camera item 2.

Found junction box in basement  
1st - Pulled mandrel from pit to junction box in basement, mandrel pulled through easily  
2nd - Tried to pull mandrel through conduit from junction box to EFSO room, the 1 3/4" mandrel would not pull through, so tried an 1 1/4" knotted ragged and it pulled through easily. In the basement. 4-12-16

Mandrel pulled through spare easily 4-13-16

Mandrel pulled through spare easily 4-13-16

No spares found in JP-A5. Could not pull the wires out of conduit, will try again at a later date. (4-13-16)  
Wire pulled out easily, but due to not being able to access the 2" portion of the conduit, pulled 1" knotted thru conduit and it pulled thru easily. (4-21-16)

Could not pull mandrel thru spare, mandrel maybe getting stuck in elbow. Pulled 1 1/4" knotted rag thru spare and it pulled thru easily (4-21-16)

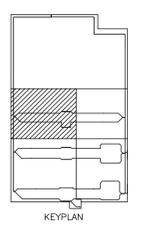
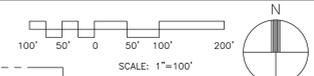
what work happened here?  
BLB-Added notes

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  - ◆ JUNCTION BOX PIT NO. 2, SEE DETAIL 7/E14.02
  - ◆ JUNCTION BOX PIT NO. 3, SEE DETAIL 8/E14.02
  - ◆ EMERGENCY FUEL SHUTOFF STATION, REFER TO CONCOURSE DRAWINGS FOR EXACT LOCATIONS.
  - ◆ EMPTY CONDUIT BETWEEN EFSO STATIONS AND TO EFSO ROOM INSTALLED WITH CONCOURSE CONSTRUCTION.
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  - ◆ REFER TO DRAWING E12.16 FOR EFSO ROOM DETAILS.

did they pull out the 120v cables? what conduit did they pull a knotted rag through then?  
BLB - pulled 120V wire and pulled rag thru that conduit.

RECORD DRAWING  
DATE: \_\_\_\_\_



BOVAY/McGINTY, INC.

**AIRCRAFT FUELING SYSTEM**

Swanson Rink, Inc.  
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Houston, Texas 77056  
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FRASIER ENGINEERING  
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ARCHITECTS

AQUIRE ENGINEERS  
GEOTECHNICAL INVESTIGATION

CORRPRO COMPANIES, INC.  
CORROSION PROTECTION

DEMAND CONSTRUCTION  
SCHEDULING & COST ESTIMATING

ISSUE RECORD  
NO. BY PURPOSE DATE CKD  
0 ISSUED FOR CONST 110C91  
1 ISSUED FOR CD001 24I492  
2 ISSUED FOR CD004 08MY92  
3 RECORD DRAWING 26AP94

SCALE:  
1"=100'

DATE: 110C91  
DRAWN BY: JHP  
CHECKED BY: CRT  
FAA AIP NO. X  
WORK BREAKDOWN NO. 14FB  
DESIGN CONTRACT NO. E361A  
CONSTR. CONTRACT NO. F361A  
PROJECT NO. 90-203  
VOLUME NO. 1  
SHEET TITLE  
CONCOURSE "C"  
ELEC. LAYOUT  
SHEET NO. E12.09  
OF  
CADD FILE NO. X14FBBC361AF361A1E120903  
CADD LAYER NAMES

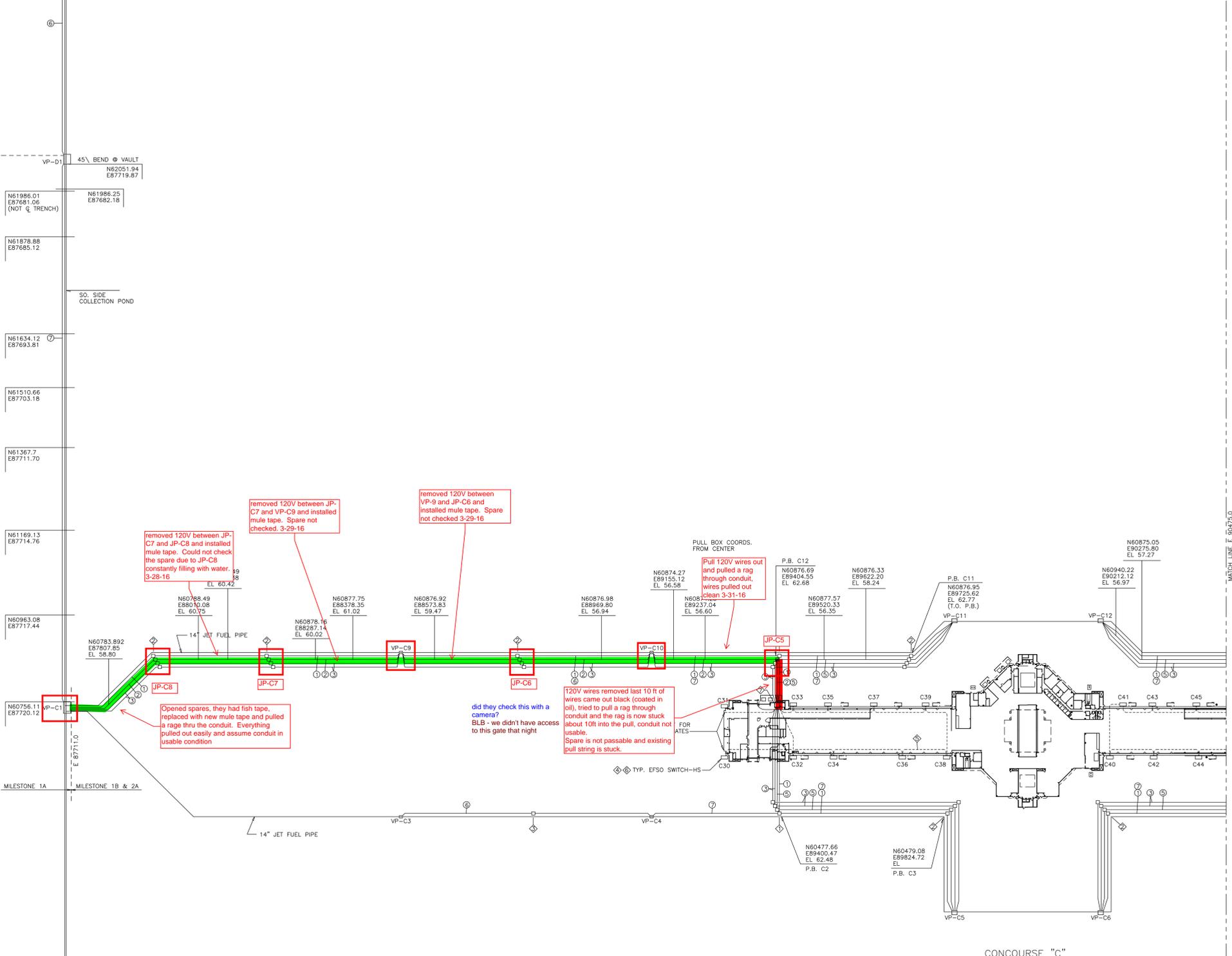
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MATCH LINE N 62585.0

MATCH LINE N 59625.0

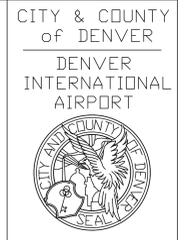
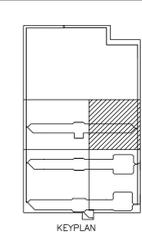
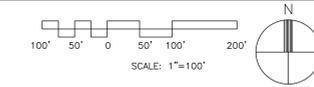
MATCH LINE E 60425.0



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  - ⊕ JUNCTION BOX PIT NO. 2, SEE DETAIL 7/E14.02
  - ⊕ JUNCTION BOX PIT NO. 3, SEE DETAIL 8/E14.02
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  - ⊕ REFER TO DETAILS 3/E14.01 AND 4/E14.01.
  - ⊕ REFER TO DRAWING E12.16 FOR EFSO ROOM DETAILS.
  - ⊕ ELECTRIC SERVICE RACK, SEE DETAIL 6/E14.02

CONCOURSE "C"

RECORD DRAWING  
DATE: . . .



BOVAY/McGINTY, INC.

AIRCRAFT FUELING SYSTEM

Swanson Rink, Inc.  
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ROBERT AND COMPANY  
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FUELING SYSTEM CONSULTANT

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1300 Post Oak Blvd., Suite 300  
Houston, Texas 77056  
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STRUCTURAL ENGINEERS

ARCHITECTURE 2000  
ARCHITECTS

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GEO-TECHNICAL INVESTIGATION

CORRPRO COMPANIES, INC.  
CORROSION PROTECTION

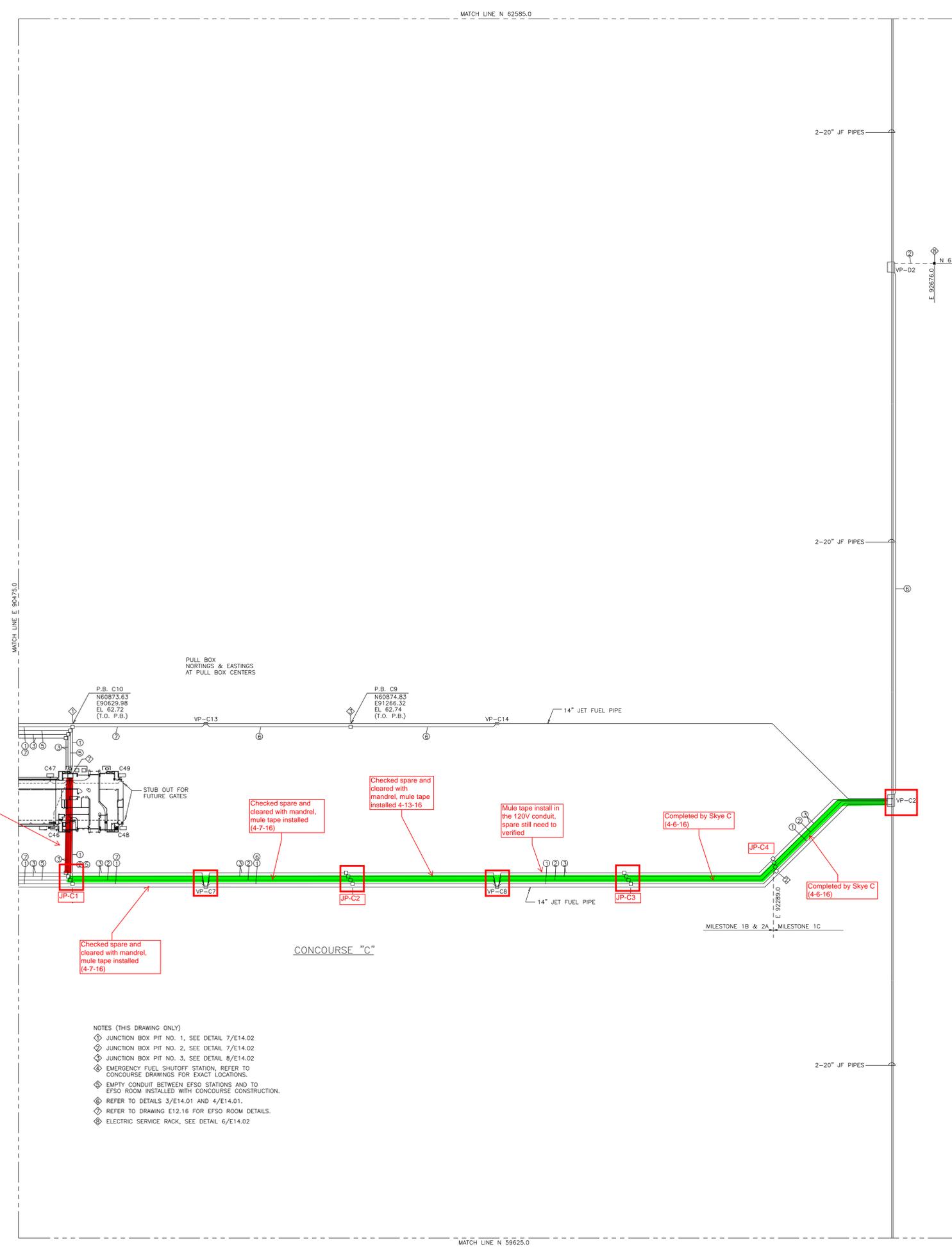
DEMAND CONSTRUCTION  
SCHEDULING & COST ESTIMATING

ISSUE RECORD	NO.	BY	PURPOSE	DATE	CHKD
0	ISSUED FOR CONST	110C91			
1	ISSUED FOR CD001	24/AB2			
2	ISSUED FOR CR004	08MY92			
3	ISSUED FOR CR032	160C92			
4	RECORD DRAWING	26AP94			

SCALE: 1"=100'

DATE: 110C91  
DRAWN BY: JHP  
CHECKED BY: CRT  
FAA AIP NO: X  
WDRK BREAKDOWN NO: 14FBB  
DESIGN CONTRACT NO: E361A  
CONSTR. CONTRACT NO: F361A  
PROJECT NO: 90-203  
VOLUME NO: 1  
SHEET TITLE: CONOURSE "C" ELEC. LAYOUT  
SHEET NO: E12.10  
OF: 1  
CADD FILE NO: X14FBBE361AF361A11E121004  
CADD LAYER NAMES:

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what is the recommended remedy?  
BLB - to replace the conduit outside and no recommendation for the inside.

Couldn't get fish wire thru spare, when feeding from the EFSO room, the fish wire hits something that is along the path (4-7-16) need about 2 hours  
Tracked conduit in basement, no junction box. Fished camera through conduit, 1st from the electrical pit, at about 53ft the camera hits something in the conduit (conduit full of water at this point) but camera passes through. At about 95 ft, there is a blockage, appears to be mud in the conduit, assume conduit is broken, next fished camera from the EFSO, about 4ft there is something in the conduit that would not allow the camera to pass. object appeared to be square. (4-20-16).

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  - ◆ JUNCTION BOX PIT NO. 2, SEE DETAIL 7/E14.02
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  - ◆ ELECTRIC SERVICE RACK, SEE DETAIL 6/E14.02

RECORD DRAWING  
DATE: \_\_\_\_\_