

Mezzanine Inspection Report (Scoping)

Date: 11/7/144	Station Name: E08 - PG Plaza	Mezzanine #: 078	Completed By: Mike Butler
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Summary

Video scoping and pull string installation was completed for communication duct in lower faregate array. In addition, video scoping was completed for power duct in lower faregates. It was not possible to complete video scoping or pull string installation in the upper faregate array due to collapsed ducts in comm. and power ducts. Pull string installation and video scoping could not be completed in power duct between the Kiosk and AFC Panel due to collapses and standing water.

Scanning was conducted to identify a new power route between the Kiosk and AFC Panel. A new power duct is proposed to run directly from Kiosk to Room 210 where the AFC Panel is situated. The duct will require two new handholes and a new junction box. A new conduit is proposed to run overhead from the junction box where it will go up the wall, across the ceiling and then feed into the AFC Panel. Refer to photos and drawings for further details.

Photos and drawings are for reference purposes only; see new schematic drawing/proposed pathway on last page.

Scoping of Faregate Array(s)

Task	Yes/No	Notes
Communications Duct – Upper Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	No	Refer to "WMATA PG Station Mezz 078 Upper Comm Duct Video.avi"
Were pull strings installed at all faregates in the array?	No	
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	Duct collapsed at 10' from kiosk.
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Communications Duct - Lower Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	Yes	Refer to "WMATA PG Station Mezz 078 Lower Comm Duct Video.avi"
Were pull strings installed at all faregates in the array?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	6" duct is not at capacity, less than 10 wires.
Power Duct – Upper Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	No	Refer to "WMATA PG Station Mezz 078 Upper Power Duct Video.avi"
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	The duct has multiple collapses.
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Power Duct - Lower Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	Yes	Refer to "WMATA PG Station Mezz 078 Lower Power Duct Video.avi"
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	No	3" duct, less than 10 wires.


Scoping of Power Duct - Kiosk to AFC Panel		
Task	Yes/No	Notes
Kiosk to Handhole (Distance 68')		
Was video scoping completed for the entire duct / conduit run?	No	Refer to "WMATA PG Station Mezz 078 Power Duct Video.avi"
Was pull string installed?	No	
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	Collapsed duct at 30' from kiosk.
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A	
Handhole to AFC Panel (Distance 48')		
Was video scoping completed for the entire duct / conduit run?	No	Video scoping could not be completed due to standing water inside handhole.
Was pull string installed?	No	
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	The duct was blocked near handhole.
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	N/A	
Observations / Issues / Next Steps		
<ul style="list-style-type: none"> - Many of the in-floor ducts have standing water and corrosion. - The proposed duct is 90' and proposed conduit is 20'. 		
Sign Off		
	GFP Representative	WMATA PRGM
Name:	Mike Butler	
Signature:		
Date:	03/05/15	

Photo #1 – Existing and proposed ducts on mezzanine floor

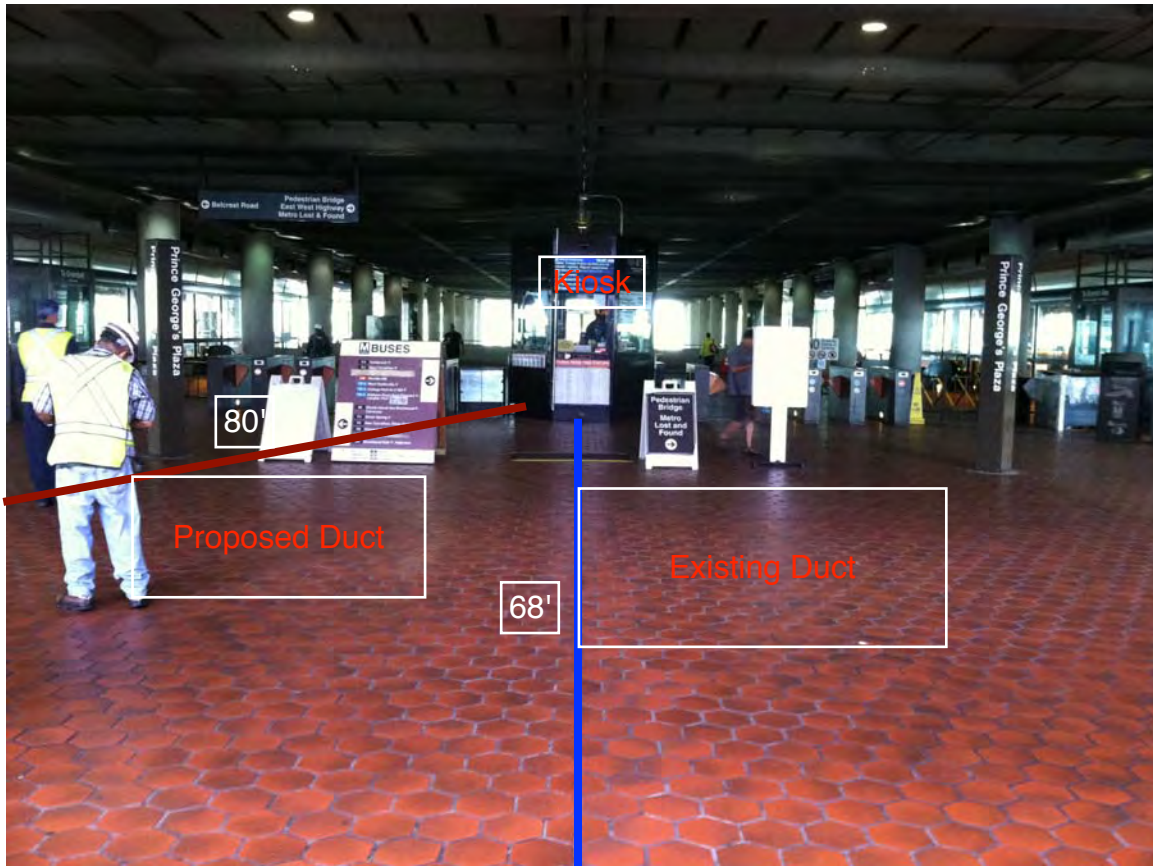


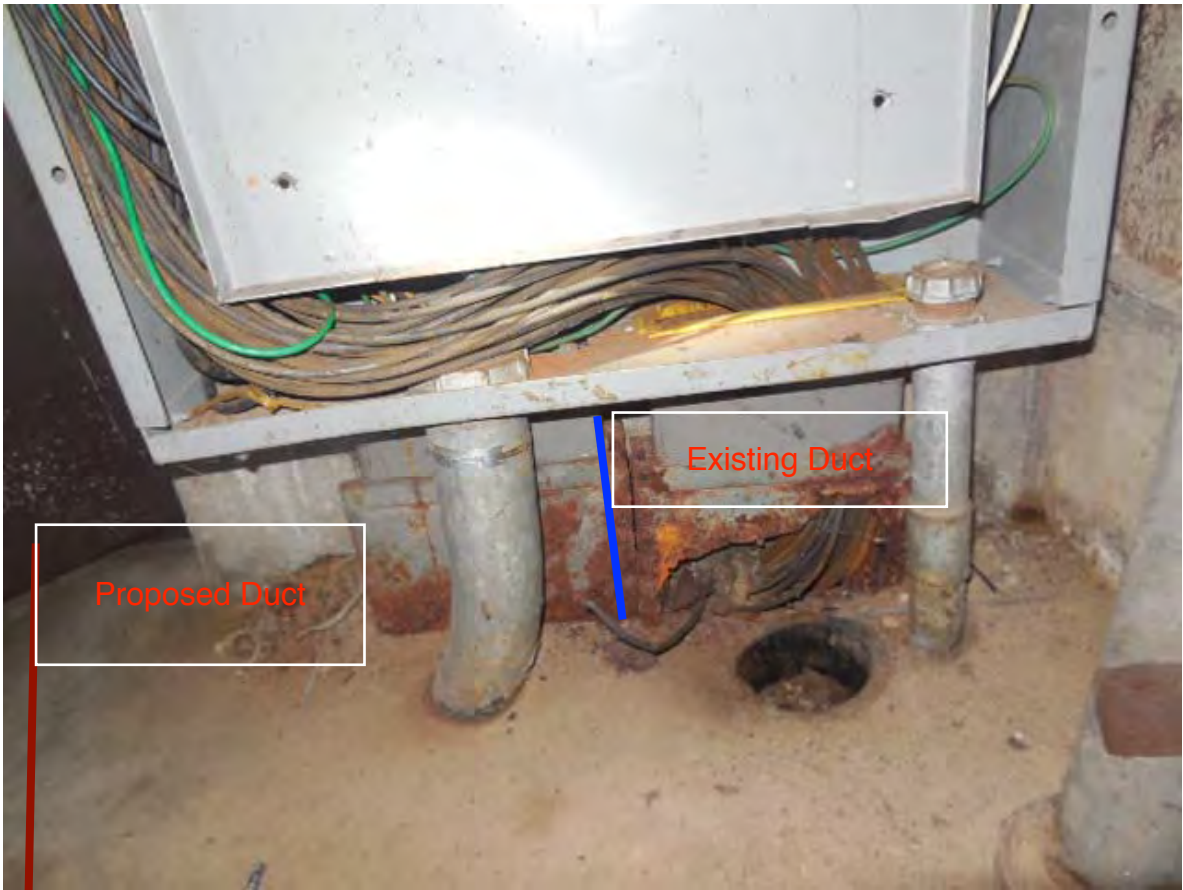
Photo #2 – Handhole adjacent to fare vending machines on mezzanine floor



Photo #3 – Condition of Handhole.



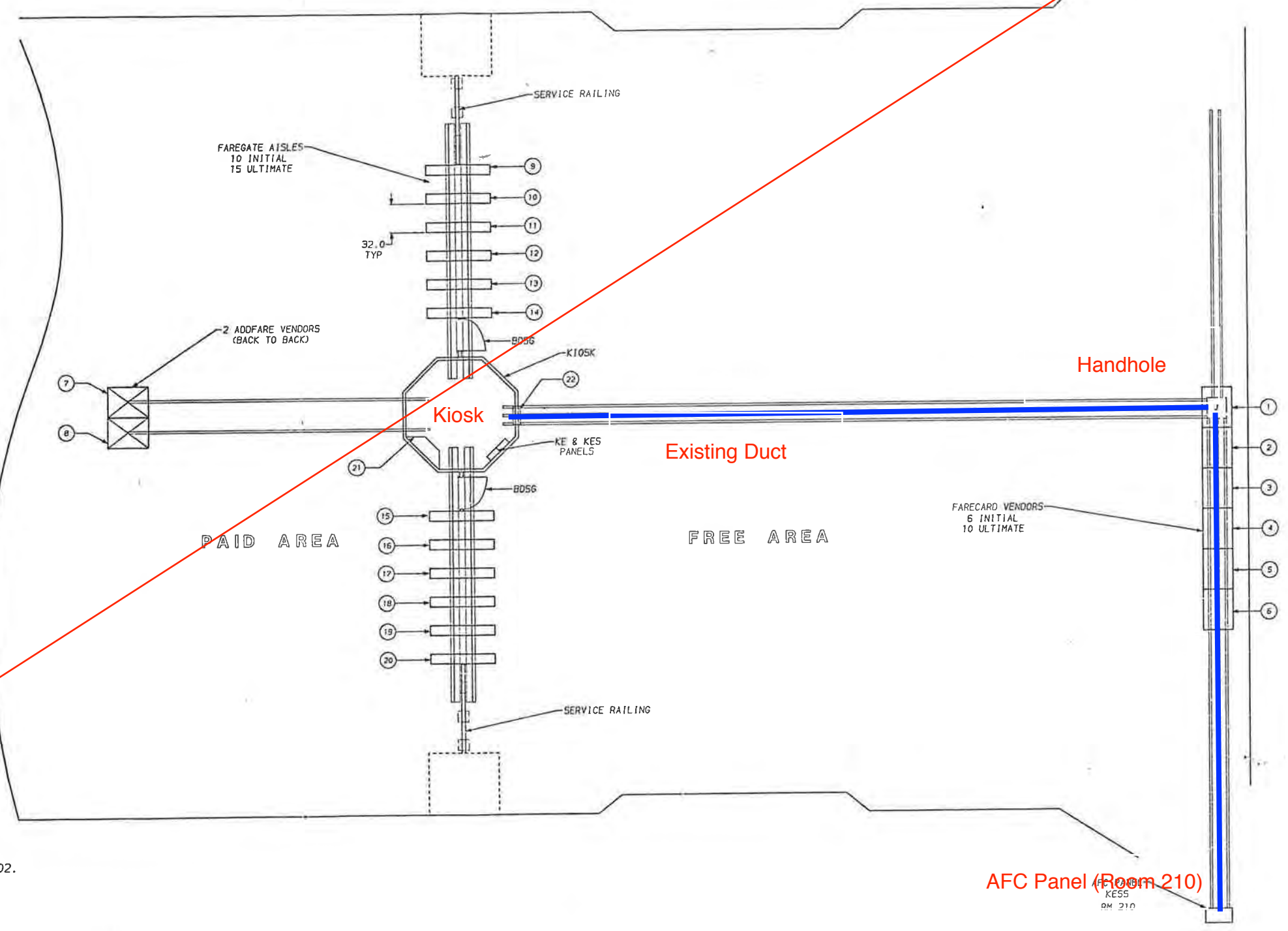
Photo #4 – Existing duct and proposed duct in Room 210



EXISTING DUCT LAYOUT

See new schematic drawing/proposed pathway on last page

ITEM	NAME	S/N	PANEL AFC	1/3S BREAKER
1	VENDOR	1940	KESS	7
2	VENDOR	1933	KESS	9
3	VENDOR	1941	KESS	11
4	VENDOR	1935	KESS	13
5	VENDOR	1939	KESS	15
6	VENDOR	1942	KESS	17
7	ADDFARE	2827	KESS	21
8	ADDFARE	2838	KESS	19
9	ENTRY GATE	FUTURE	KESS	N/A
10	REV. GATE	7934	KESS	2
11	REV. GATE	7909	KESS	4
12	REV. GATE	7930	KESS	6
13	REV. GATE	7938	KESS	8
14	EXIT GATE	4835	KESS	N/A
15	ENTRY GATE	3837	KESS	10
16	REV. GATE	7931	KESS	12
17	REV. GATE	7915	KESS	14
18	REV. GATE	7920	KESS	16
19	REV. GATE	7928	KESS	18
20	REV. GATE	7913	KESS	N/A
21	SMADS	8803	KE	1
22	S. CLOCK	98918	KE	6
23	EMERGENCY LT		KE	4



NOTES:

- FOR VENDOR AND ADDFARE INSTALLATION SEE 931-4002.
- FOR SMADS INSTALLATION SEE 931-4001.
- FOR ENTRY, EXIT AND REVERSIBLE GATE INSTALLATION SEE 931-4003.
- FOR BI-DIRECTIONAL SERVICE GATE INSTALLATION SEE 931-4005.
- FOR A TYPICAL MEZZANINE INSTALLATION SEE 931-4000.
- CIRCUIT BREAKERS WITH COMMON NEUTRAL:
3, 7 & 9; 13, 15 & 17; 19 & 21; 2, 4 & 6; 10 & 12; 14, 16 & 18.

MEZZANINE NO. 78

NOTICE OF PROPRIETARY RIGHTS IN DATA
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SEE SEPARATE PL WHEN ITEM NUMBERS ARE USED (REF DESIGNATOR MAY BE USED IN LIEU OF ITEM NUMBERS)	UNLESS OTHERWISE SPECIFIED HOLE DIA TOLERANCES ARE: .0125 THRU .125 +.004 - .001 .125 THRU .250 +.005 - .001 .250 THRU .750 +.006 - .001 .750 THRU 1.000 +.008 - .001	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ENGINE: BRYAN TINE DATE: 21 OCT 2006 FILE NO.: 931-4024 PROJECT: PRINCE GEORGES STATION MEZZANINE LAYOUT SCALE: 1/4" = 1'-0"	CUBIC AUTOMATIC REVENUE COLLECTION GROUP/SYSTEMS DATA DIVISION PRINCE GEORGES STATION MEZZANINE LAYOUT 931-4024 SHEET 3 OF 7
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PLAN NOTES:

1. DIMENSIONS ARE IN FEET AND INCHES.
2. DIMENSIONS ARE FOR REFERENCE ONLY.
3. EXISTING IN-FLOOR DUCTS/CONDUITS WERE IDENTIFIED USING A PORTABLE GPR SCANNING DEVICE.
4. THE SCANNING COVERAGE IS LIMITED TO THE MEZZANINE FLOOR ONLY.
5. GPR SCANNING HAS THE FOLLOWING LIMITATIONS: (i) 12 INCHES VISIBLE SCANNING DEPTH; (ii) VISIBILITY BEYOND CONGESTED OR NEAR SURFACE REINFORCEMENT LAYERS; (iii) DETECTION OF PVC AND OTHER NON-METALLIC OBJECTS (iv) DETERMINATION OF SIZE AND EXTENTS OF SUBSURFACE ANOMALIES SUCH AS SLAB VOIDS OR REBAR SIZES; AND (v) VISIBILITY WHEN VARIABLE MOISTURE CONDITIONS EXIST IN THE SUBSTRATE.

LEGEND:

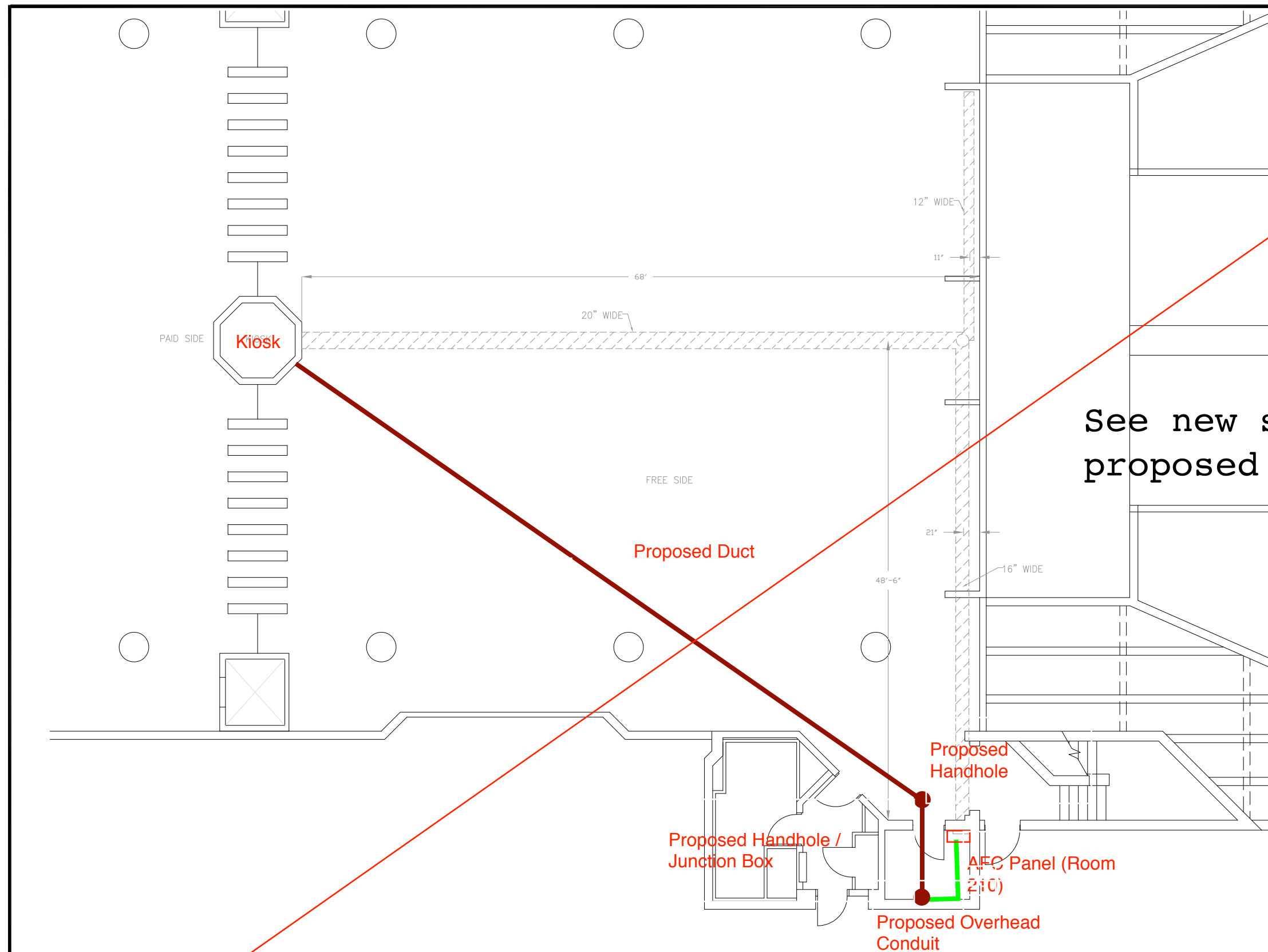
EXISTING DUCT



HANDHOLE



See new schematic drawing/
proposed pathway on last page



PG PLAZA STATION
SCALE: NOT TO SCALE

CONTRACT NO.
XXXXXX

DESIGNED		DATE		NUMBER		DESCRIPTION		DATE		BY		DESCRIPTION	
C. LOOSE	02-15												
C. LOOSE	02-15												
M. BUTLER	02-15												

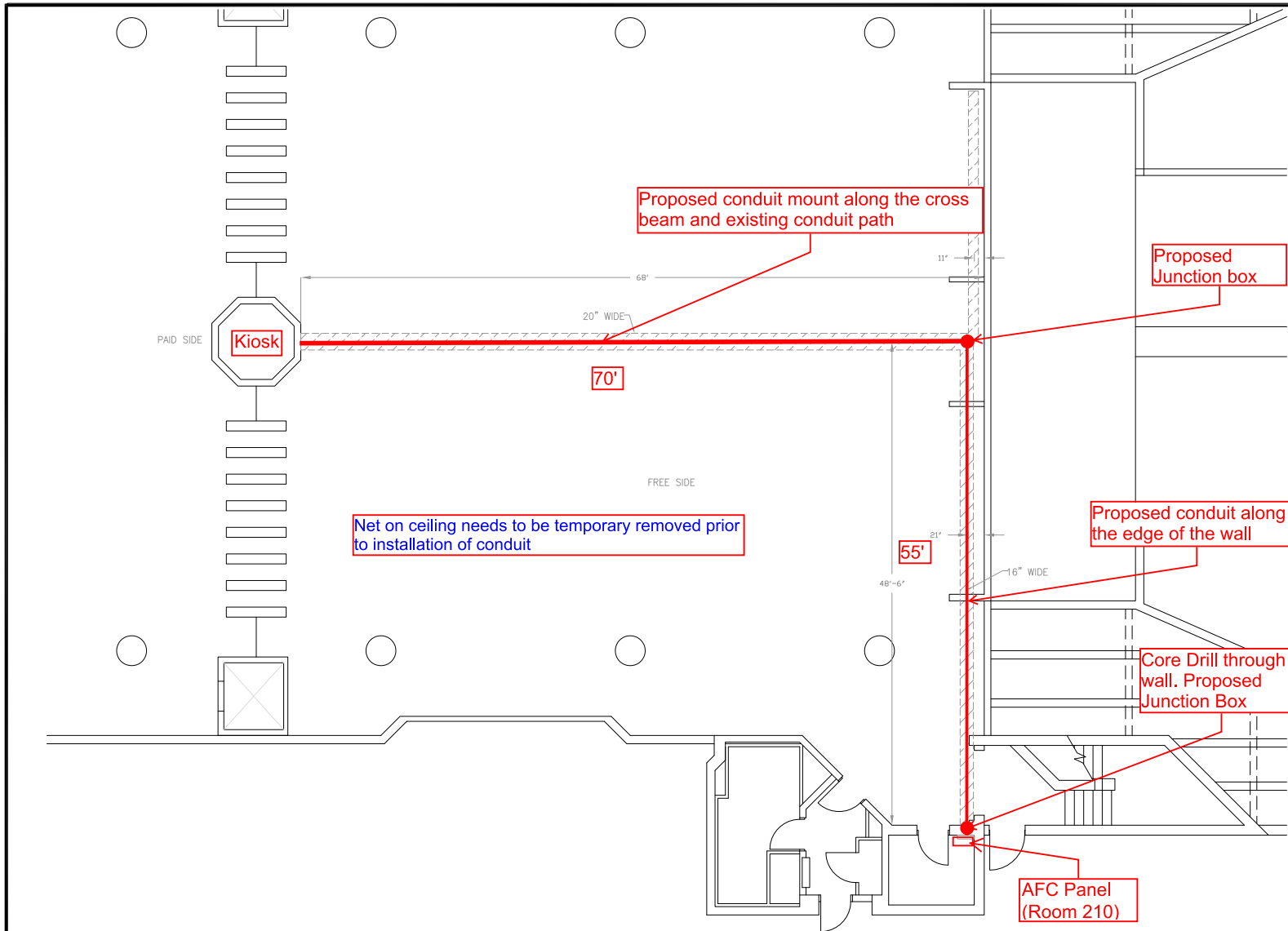
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE

APPROVED _____ SUBMITTED _____ PROJECT MANAGER

15-NEPP-01
IN - FLOOR DUCT INSPECTIONS
E08 PG Plaza
PROPOSED POWER DUCT/CONDUIT RUN

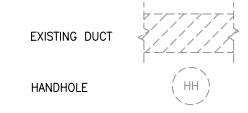
SCALE: NOT TO SCALE DRAWING NO. E08-E-100 XXX



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LEGEND:



PG PLAZA STATION
SCALE: NOT TO SCALE

CONTRACT NO.
XXXXXX

DESIGNED	C. LOOSE	DATE	REFERENCE DRAWINGS		REVISIONS		
			NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION
DRAWN	C. LOOSE	02-15					
CHECKED	M. BUTLER	02-15					
APPROVED							

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

GFP A Gannett Fleming/Parsons JOINT VENTURE

APPROVED _____ SUBMITTED _____ PROJECT MANAGER

15-NEPP-01
IN - FLOOR DUCT INSPECTIONS
E08 PG Plaza
PROPOSED POWER DUCT/CONDUIT RUN

SCALE: NOT TO SCALE

DRAWING NO. E08-E-100

XXX

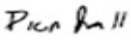
Scoping of Power Duct - Kiosk to AFC Panel		
Task	Yes/No	Notes
Kiosk to Handhole 1 (Distance =45')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to WMATA College Park Kiosk to 1 st Handhole Duct Video.avi file.
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	1"x6" walker duct; 30 wires
Handhole 1 to Handhole 2 (Distance = 3')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to WMATA College Park Power 1 st HH to 3 rd HH Via 2 nd HH Video.avi file.
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	1"x6" walker duct; 30 wires
Handhole 2 to Handhole 3 (Distance = 45')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to WMATA College Park Power 1 st HH to 3 rd HH Via 2 nd HH Video.avi file.
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	1"x6" walker duct; 30 wires
Handhole 3 to Handhole 4 (Distance = 10')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to WMATA College Park 3 rd HH to 4 th HH Video.avi file.
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	1"x6" walker duct; 35 wires
Observations / Issues / Next Steps		
<p>Handhole 4 to handhole 5 (Distance = 5'): Fully video scoped, no obstructions, pull string installed, 1"x6" walker duct; not at capacity, 35 wires, Refer to WMATA College Park 4th HH to 5th HH and 5th to AFC Panel Video.avi file.</p> <p>Handhole 5 to AFC Panel (Distance = 10'): Video scoped to 90 degree sweep into panel, no obstructions, pull string installed, 1"x6" walker duct; not at capacity, 35 wires. Refer to WMATA College Park 4th HH to 5th HH and 5th to AFC Panel Video.avi file.</p> <p>Total power conductor run is about 120'</p>		
Sign Off		
	GFP Representative	WMATA PRGM
Name:	Dion Small	
Signature:		
Date:	11/06/2014	

Photo #1: E09 College Park – Power duct run between Kiosk and Handhole 1 and Handhole 2

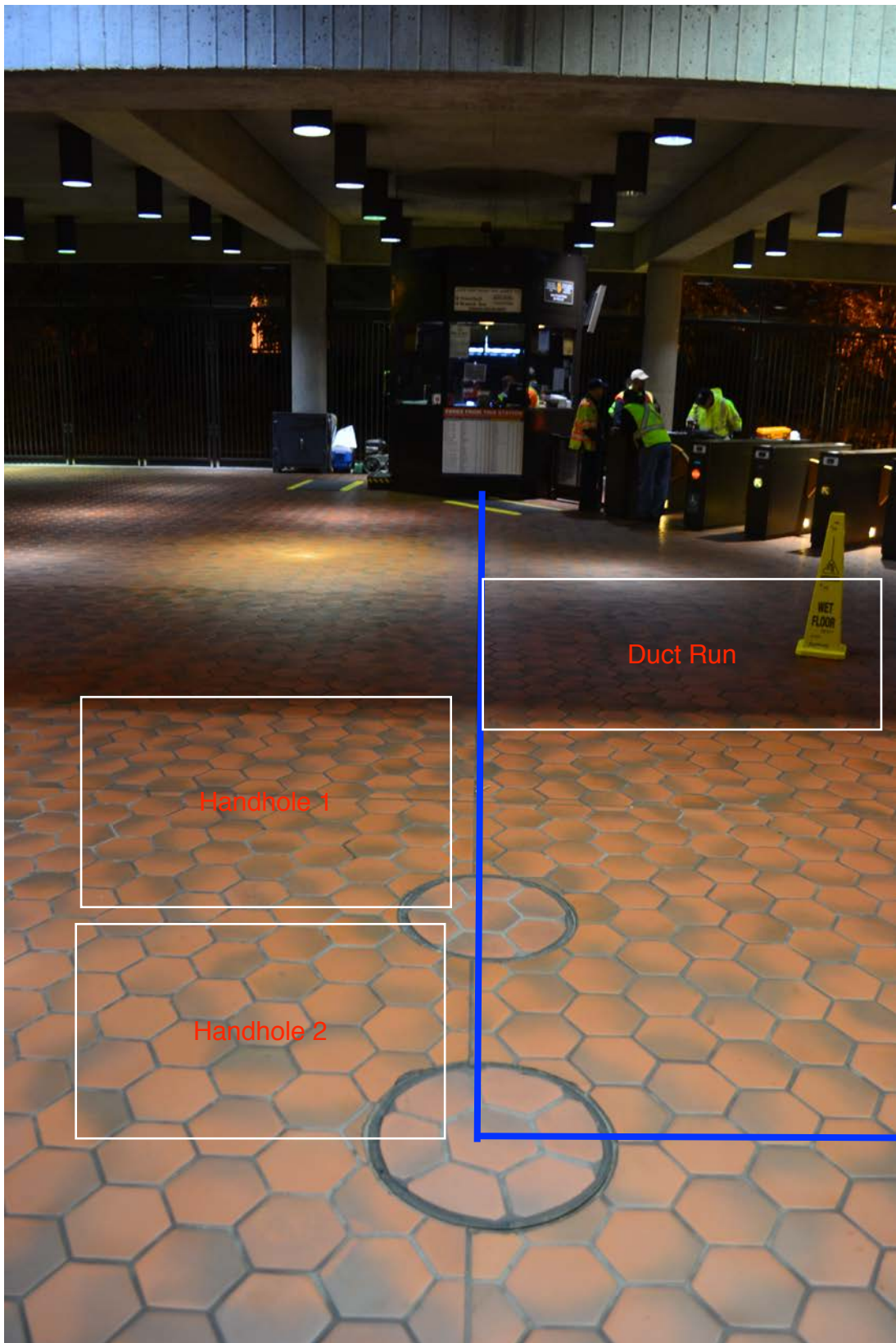


Photo #2: E09 college Park – Power duct run between Kiosk and Handhole 3 and Handhole 4

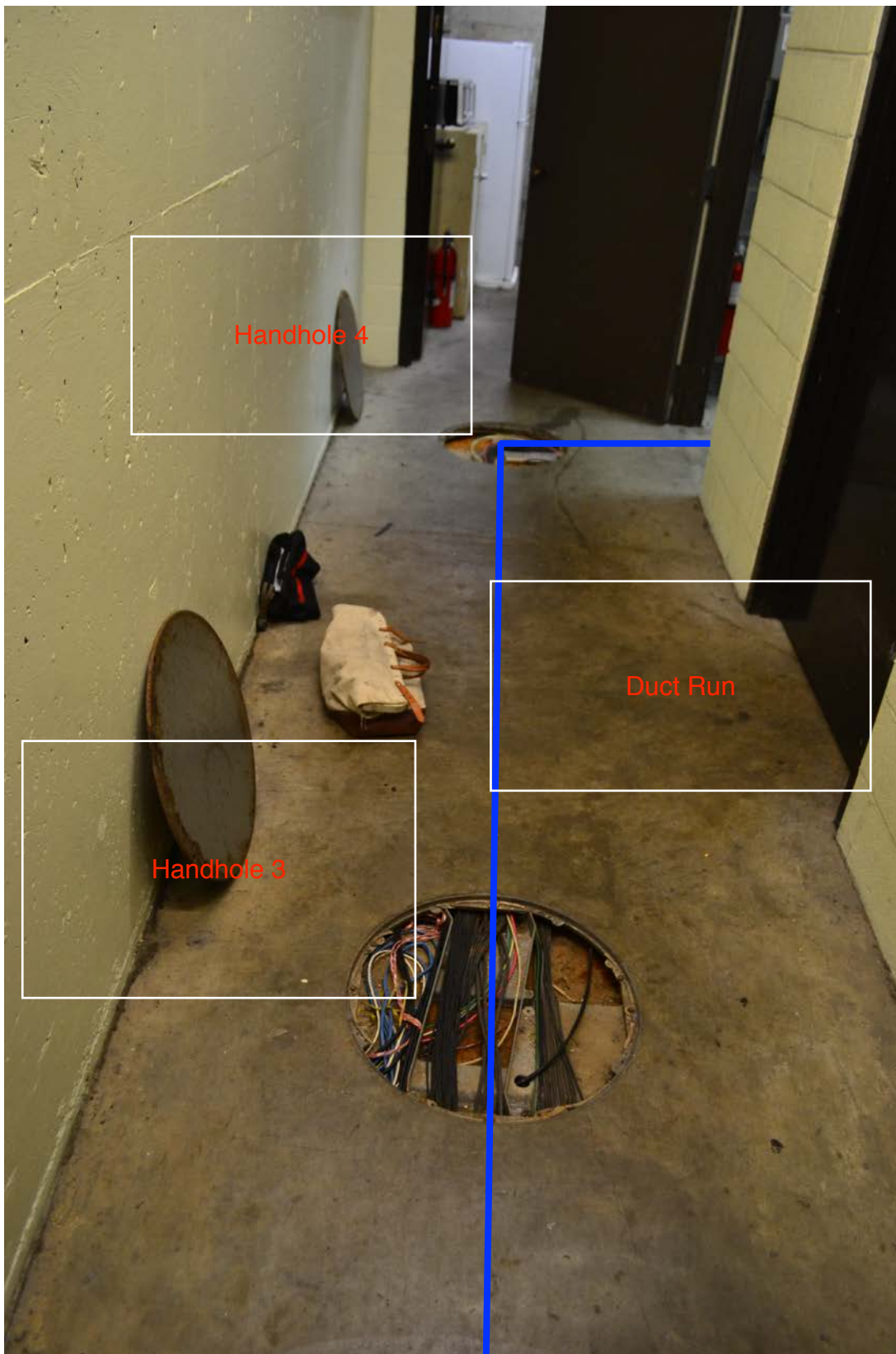
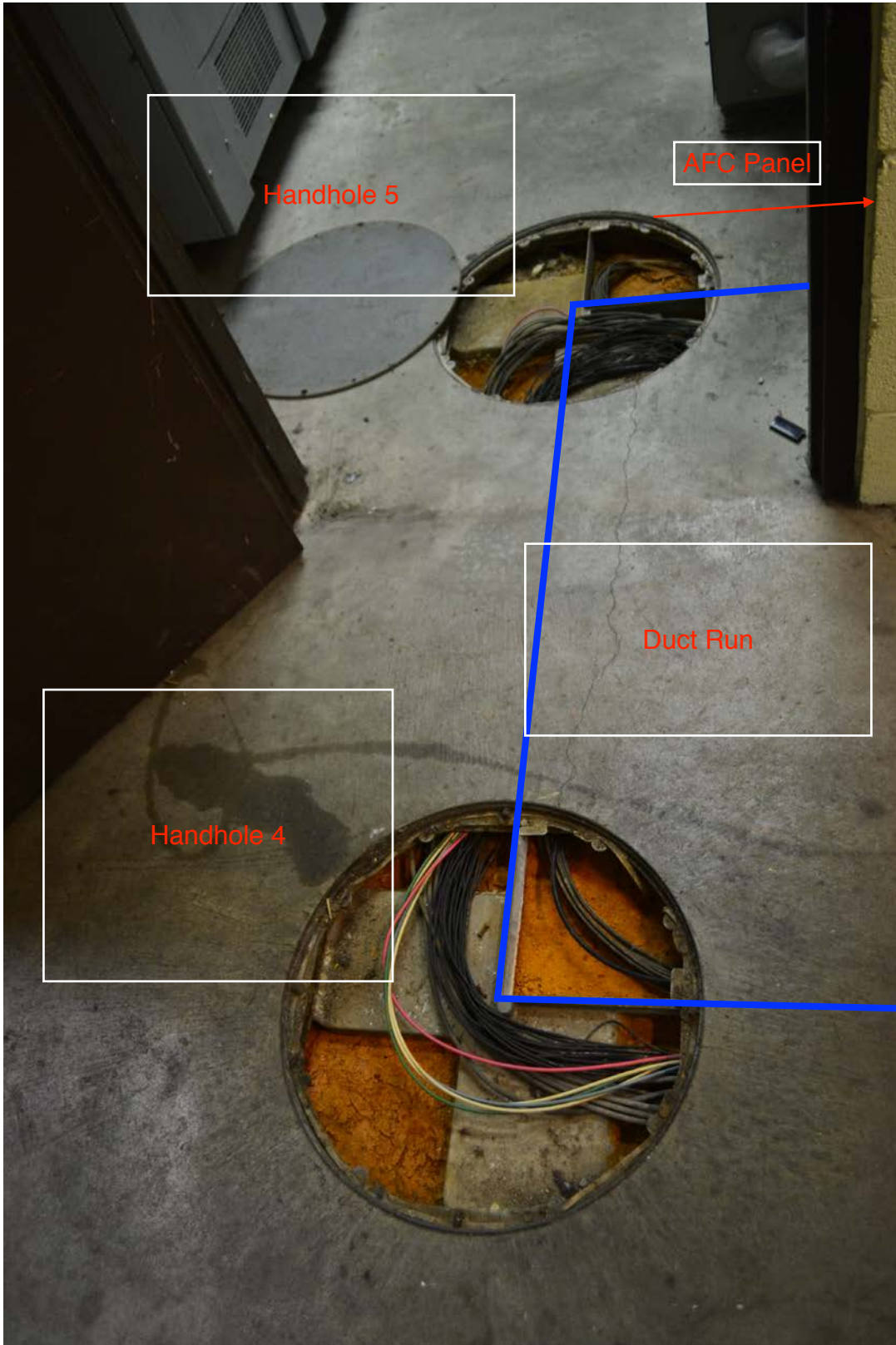
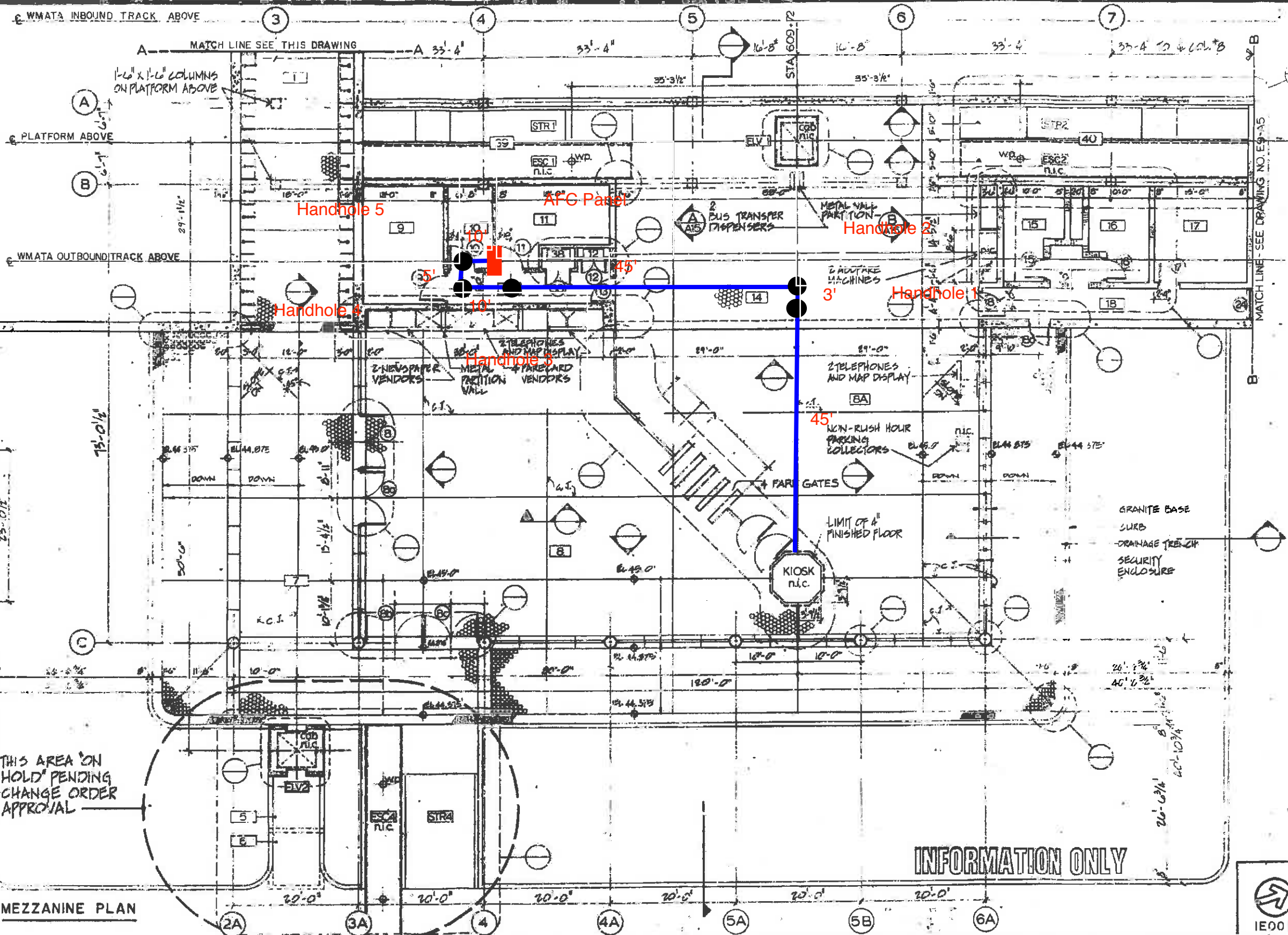
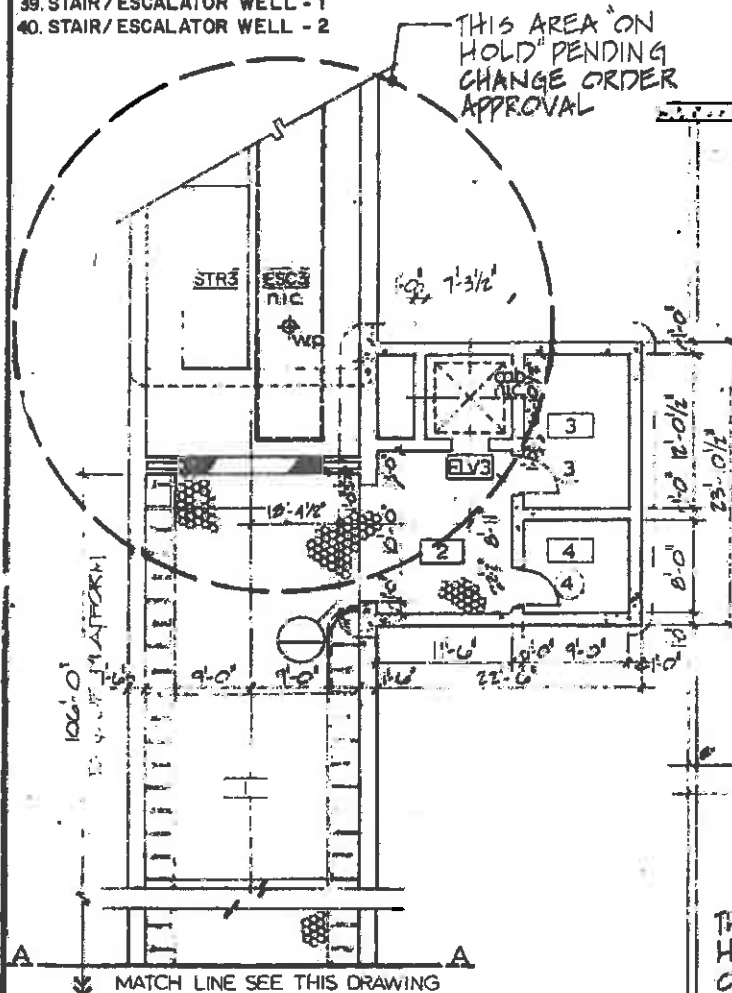


Photo #3: E09 College Park – Power duct run between Kiosk and Handhole 4 and Handhole 5



ROOM SCHEDULE

- 1. PEDESTRIAN CROSS PASSAGEWAY
- 2. ELEVATOR LOBBY
- 3. ELEVATOR MACHINE ROOM - 3
- 4. MECHANICAL ROOM - A
- 5. ELEVATOR MACHINE ROOM - 2
- 6. MECHANICAL ROOM - B
- 7. STATION ENTRANCE
- 8. FREE ZONE
- 9A. FARE PAID ZONE
- 9. MAINTENANCE ROOM
- 10. ELECTRICAL ROOM
- 11. ELEVATOR MACHINE ROOM - 1
- 12. FIRE EQUIPMENT CABINET - A
- 13. CORRIDOR
- 14. FARE PAID ZONE - B
- 15. MEN'S WASHROOM
- 16. WOMEN'S WASHROOM
- 17. CLEANERS AND WATER SERVICE ROOM - A
- 38. BELL SYSTEM ROOM
- 39. STAIR/ESCALATOR WELL - 1
- 40. STAIR/ESCALATOR WELL - 2



THIS AREA ON HOLD PENDING CHANGE ORDER APPROVAL

INFORMATION ONLY

DESIGNED	H.M.A.	6-20-86
ACRN	G.P.	2-20-86
CHECKED		DATE
APPROVED		DATE

REFERENCE DRAWINGS		REVISIONS		
NUMBER	DESCRIPTION	DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

WMATA

APPROVED _____

APPROVED _____

DE LEUW, CATHER & COMPANY
GENERAL ENGINEERING CONSULTANT

HARRY WEESE & ASSOCIATES
GENERAL ARCHITECTURAL CONSULTANT

SUBMITTED _____

COLLEGE PARK STATION

A.F.C. LAYOUT

19

SCALE 1/8" = 1'-0"

DRAWING NO. _____