



PAVING AND BASE SUMMARY
PROJECT: UNIVERSITY OF MARYLAND AT BALTIMORE
LOCATION: BALTIMORE
CLIENT: BAE ENGINEERING

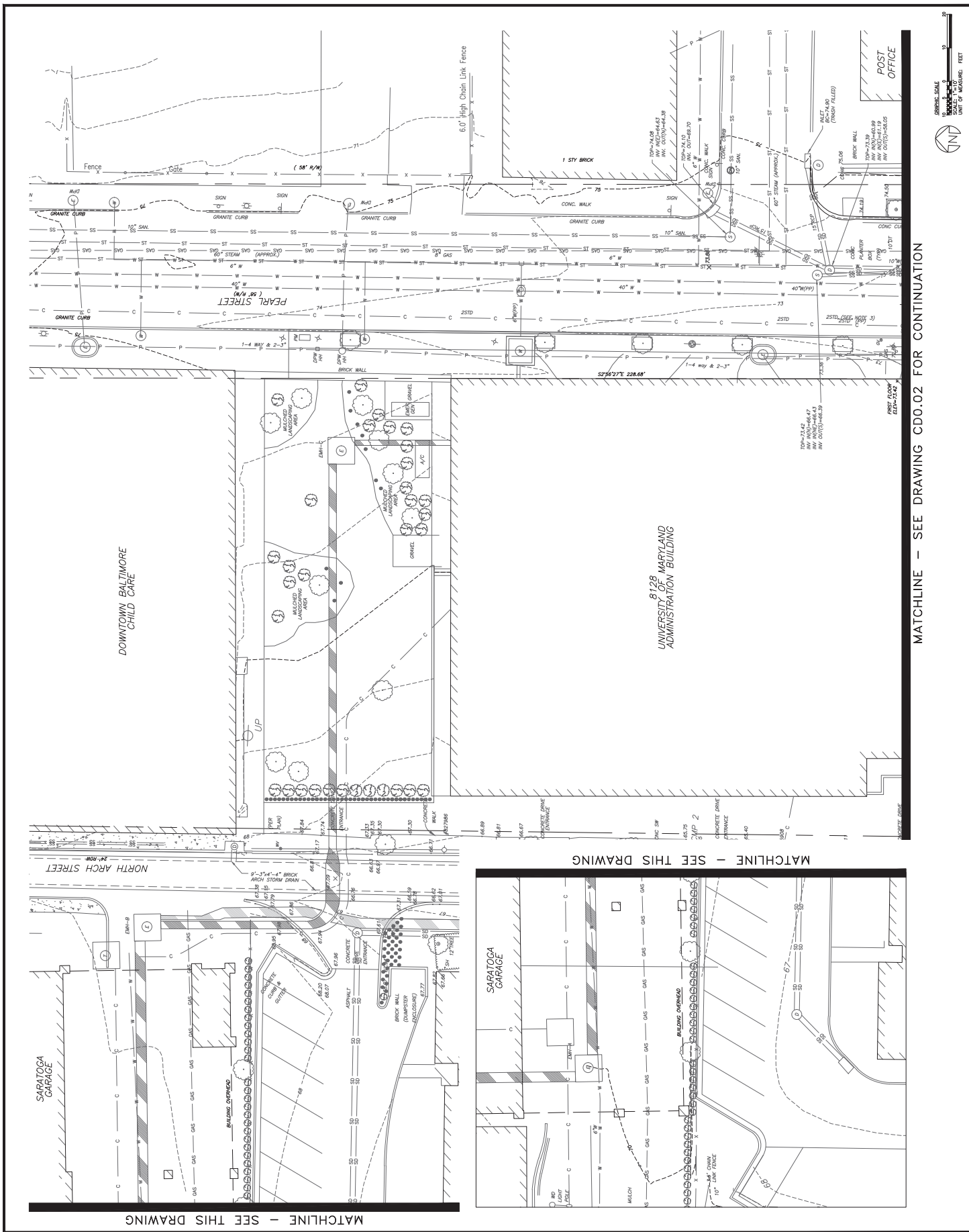
TEST PIT #	PAVING TYPE	PAVING THEMES	ROAD TYPE	BASE THICKNESS
TP-212	ASPHALT	1"	CONCRETE	10"
TP-213	ASPHALT	1"	CONCRETE	10"
TP-214	ASPHALT	1"	CONCRETE	10"
TP-215	ASPHALT	1"	CONCRETE	10"
TP-216	ASPHALT	1"	CONCRETE	10"
TP-217	ASPHALT	1"	CONCRETE	10"
TP-218	ASPHALT	1"	CONCRETE	10"
TP-219	ASPHALT	1"	CONCRETE	10"
TP-220	ASPHALT	1"	CONCRETE	10"
TP-221	ASPHALT	1"	CONCRETE	10"
TP-222	ASPHALT	1"	CONCRETE	10"
TP-223	ASPHALT	1"	CONCRETE	10"
TP-224	ASPHALT	1"	CONCRETE	10"
TP-225	ASPHALT	1"	CONCRETE	10"
TP-226	ASPHALT	1"	CONCRETE	10"
TP-227	ASPHALT	1"	CONCRETE	10"
TP-228	ASPHALT	1"	CONCRETE	10"
TP-229	ASPHALT	1"	CONCRETE	10"
TP-230	ASPHALT	1"	CONCRETE	10"
TP-231	ASPHALT	1"	CONCRETE	10"
TP-232	ASPHALT	1"	CONCRETE	10"
TP-233	ASPHALT	1"	CONCRETE	10"
TP-234	ASPHALT	1"	CONCRETE	10"
TP-235	ASPHALT	1"	CONCRETE	10"
TP-236	ASPHALT	1"	CONCRETE	10"
TP-237	ASPHALT	1"	CONCRETE	10"
TP-238	ASPHALT	1"	CONCRETE	10"
TP-239	ASPHALT	1"	CONCRETE	10"
TP-240	ASPHALT	1"	CONCRETE	10"
TP-241	ASPHALT	1"	CONCRETE	10"
TP-242	ASPHALT	1"	CONCRETE	10"
TP-243	ASPHALT	1"	CONCRETE	10"
TP-244	ASPHALT	1"	CONCRETE	10"
TP-245	ASPHALT	1"	CONCRETE	10"
TP-246	ASPHALT	1"	CONCRETE	10"
TP-247	ASPHALT	1"	CONCRETE	10"
TP-248	ASPHALT	1"	CONCRETE	10"
TP-249	ASPHALT	1"	CONCRETE	10"
TP-250	ASPHALT	1"	CONCRETE	10"

[illegible]

TEMPORARY LIGHTING

WHERE EXISTING SITE LIGHTING IS DISTURBED (BY LIGHT POLE REMOVAL OR CIRCUIT REWIRING), THE FOLLOWING MINIMUM LIGHTING REQUIREMENTS SHALL BE MAINTAINED, DURING THE MAINTENANCE PERIOD, TO PREVENT THE EXISTING LIGHTING FROM BEING LOST TO THE NEAREST ADJACENT PROPERTY. THE EXISTING LIGHTING SHALL BE MAINTAINED TO THE SAME HEIGHT AND SPACING AS THE EXISTING LIGHTING TO THE POLE UNDISTURBED LIGHT POLE WITHIN THE SAME CIRCUIT. UPON COMPLETION OF THE MAINTENANCE, THE EXISTING LIGHTING SHALL BE REINSTALLED TO THE SAME POLE OR TO THE NEAREST CONSTRUCTION COORDINATING OFFICE, IN THE SAME LOCATION. THE EXISTING LIGHTING SHALL BE MAINTAINED TO THE SAME HEIGHT AND SPACING AS THE EXISTING LIGHTING TO THE POLE UNDISTURBED LIGHT POLE WITHIN THE SAME CIRCUIT. UPON COMPLETION OF THE MAINTENANCE, THE EXISTING LIGHTING SHALL BE REINSTALLED TO THE SAME POLE OR TO THE NEAREST CONSTRUCTION COORDINATING OFFICE, IN THE SAME LOCATION.

1. "A" WOOD POLES SPACED WITHIN THE GROUND A MINIMUM OF 1' POLES SHALL BE A MINIMUM OF 14' LONG.
2. LOOK OUTSIDE MAINT. AREA. PONTISE MOUNTED ON POLE TOP RATED FOR THE MAINTENANCE AREA.
3. ALL WIRING AND HANGERS REQUIRED FOR TEMPORARY POLE CONNECTIONS TO EXISTING CIRCUITS.
4. FOR PAVING LOTS, PROVIDE 1-2 AVERAGE FOOTCANDLE LEVEL.
5. FOR PARKING LOTS AND ALLEYS, PROVIDE 2-3 AVERAGE FOOTCANDLE LEVEL.



MATCHLINE - SEE DRAWING CD0.01 FOR CONTINUATION



UNIVERSITY of MARYLAND

ADMINISTRATIVE & FINANCE
BUILDING NO. 100
100 WEST LEXINGTON STREET
BALTIMORE, MD 21201-1000
PHONE NO. (410) 767-7700
FAX NO. (410) 767-7701



KEY PLAN

A/E CONSULTANTS



RME ENGINEERING, INC.
55 BALTIMORE, MD 21201
P-410.576.0505 F-410.385.0327



CENTRAL ENGINEERING, INC.

PROFESSIONAL CERTIFICATION: I, LARRY E. BYRNE, A PROFESSIONAL ENGINEER, HAVE REVIEWED THIS DRAWING AND THE INFORMATION PROVIDED HEREON AND I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE USE OF THIS DRAWING FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

DATE: 06/13/2023

REGISTRATION #/FIRM



REGISTRATION #/FIRM

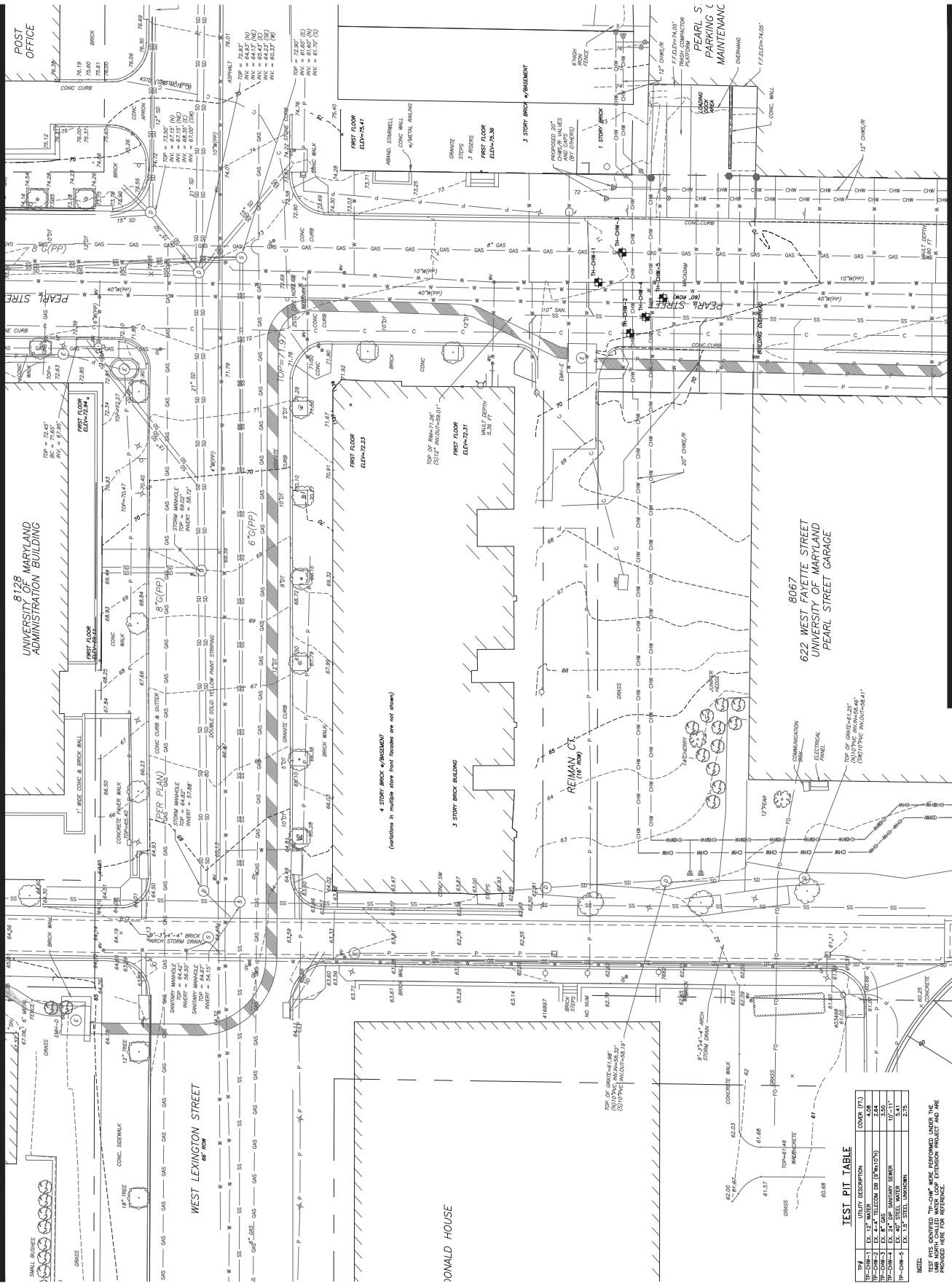
PROJECT TITLE:
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION

UMB BUILDING NO.: VARIOUS
UMB PROJECT NO.: 17-287
UMB JOB NO.: 17-287
UMB JOB NO.: 17-287
DATE: 06/13/2023

SHEET TITLE:
EXISTING
CONDITIONS
AND TEST PIT
PLAN

NO.	DATE	ITEM

SHEET NO. CD0.02



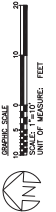
TEST PIT TABLE

TP#	UTILITY DESCRIPTION	COVER (FT)
TP-CHW-1	EX. 1" WATER	4.00
TP-CHW-2	EX. 4" TELECOM DB (W/10")	2.64
TP-CHW-3	EX. 4" GAS	3.50
TP-CHW-4	EX. 24" DI SANITARY SEWER	10'-11"
TP-CHW-5	EX. 40" STEEL WATER	5.41
TP-CHW-6	EX. 1.5" STEEL UNKNOWN	2.75

NOTE:

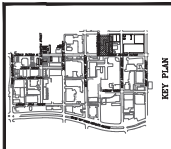
TEST PITS IDENTIFIED "TP-CHW" WERE PERFORMED UNDER THE DB AND IDENTIFIED "TP-SEWER" WERE PERFORMED UNDER THE SEWER. ALL TESTS WERE PERFORMED HERE FOR REFERENCE.

MATCHLINE - SEE DRAWING CD0.03 FOR CONTINUATION



TP#	UTILITY DESCRIPTION	COVER (FT.)
P-122	PX. ELECTRIC DUCT/ANK	4.54

ADMINISTRATION & FINANCE
OFFICE OF FACILITIES MANAGEMENT
DESIGN AND CONSTRUCTION
220 ARCH STREET, OFFICE LEVEL 3
BALTIMORE, MARYLAND 21201
PHONE NO. (410) 706-7748



A/E CONSULTANTS

rmf

RMF ENGINEERING, INC.
5520 RESEARCH PARK DR. 3RD FLR.
BALTIMORE, MD. 21228
P. 410.576-0505 F. 410.385-0327

PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

2/1976

2004-05-18

LICENSE No. _____
EXPIRATION DATE: _____

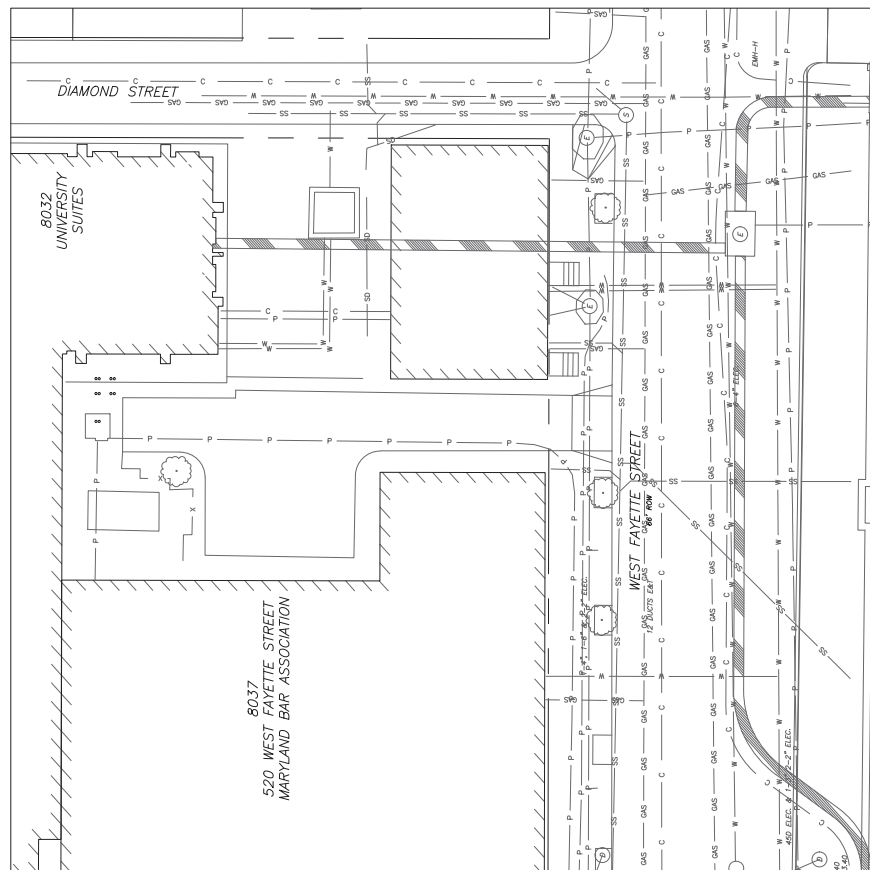


PROJECT TITLE :	UMB BUILDING NO. : VARIOUS
CAMPUS	UMB Project No. : 17-317
ELECTRICAL	A/S PROJECT NO. : 117001.40
DISTRIBUTION	CAD FILE NO. :
UPGRADES -	DATE : 06/19/2023
PHASE 4	
100% CD SUBMISSION	

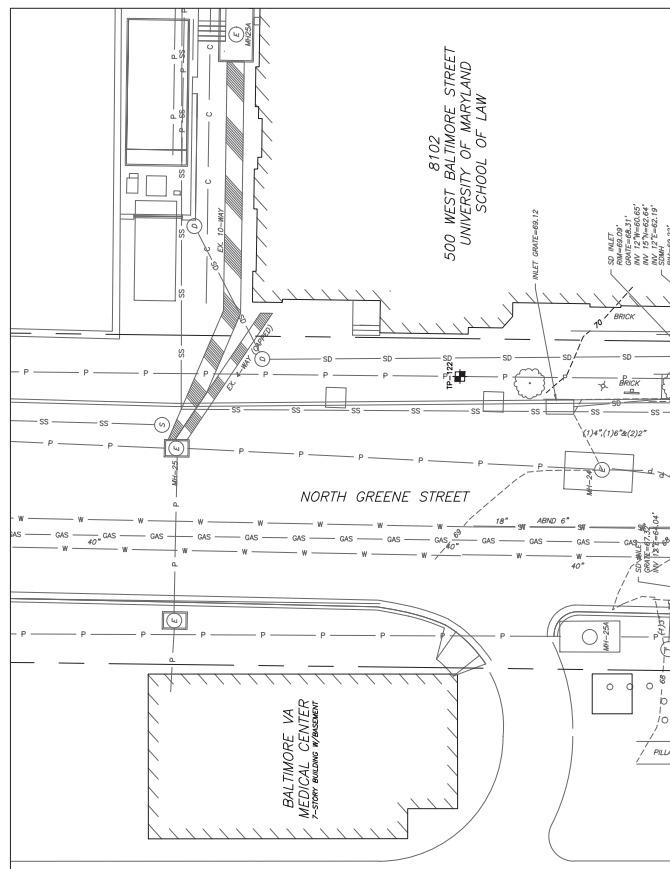
SHEET TITLE :
**EXISTING
CONDITIONS
AND TEST PIT
PLAN**

[illegible]

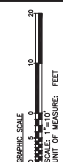
SECRET NO. CD0.04

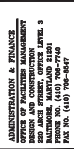


NORTH GREENE & WEST FAYETTE PLAN
SCALE: 1"=10'-0"



NORTH GREENE & WEST BALTIMORE PLAN





PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 2-19786



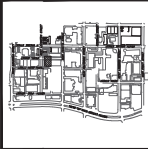
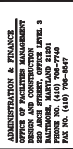
PROJECT TITLE :
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION
UMB BUILDING NO. : VARIOUS
UMB Project NO. : 17-317
A/E PROJECT NO. : 117081.40
CD FILE NO. :
DATE : 09/18/2023

SHEET TITLE :
**ELECTRIC
DUCTBANK
DEMOLITION
PLAN**

[illegible]

SECRET NO. CD1.01





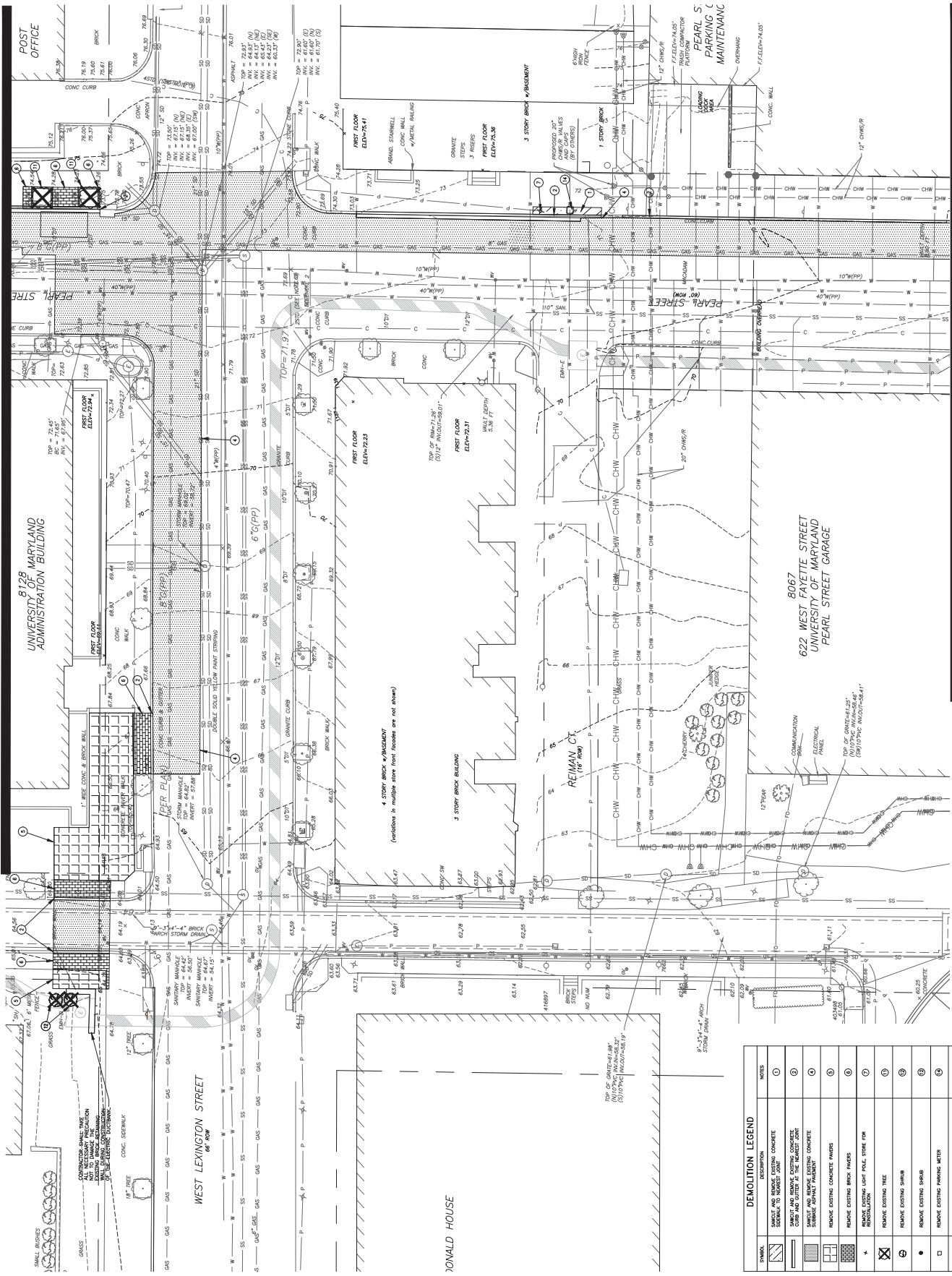
PROJECT TITLE :	100% CD SUBMISSION
CAMPUS	UMB BUILDING NO. : VARIOUS
ELECTRICAL	UMB Project NO. : 17-317
DISTRIBUTION	A/E PROJECT NO. : 117061.40
UPGRADES -	CAD FILE NO. :
PHASE 4	DATE : 09/10/2024

SHEET TITLE :
**ELECTRIC
DUCTBANK
DEMOLITION
PLAN**

[illegible]

CD1.02

8128 UNIVERSITY OF MARYLAND
ADMINISTRATION BUILDING



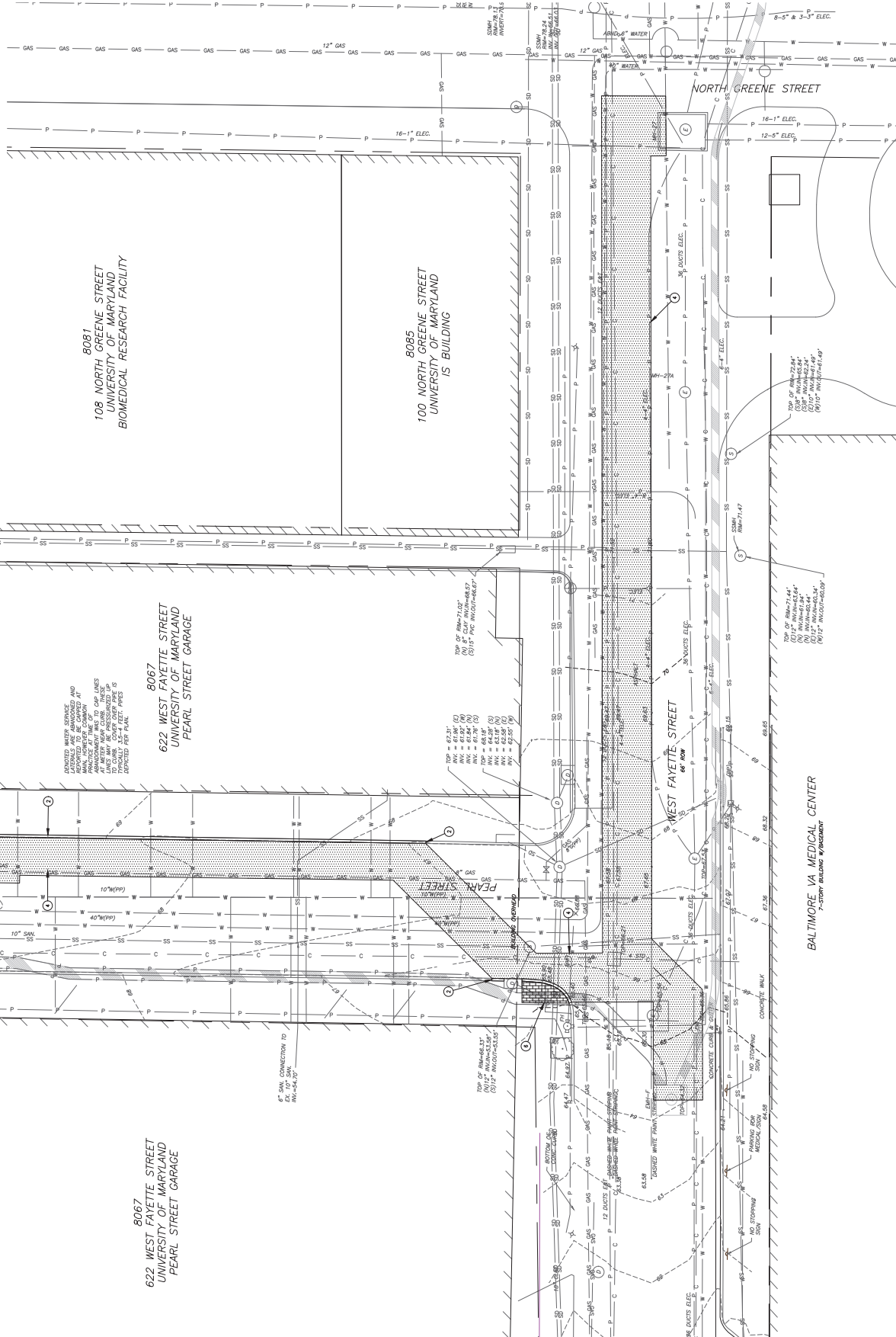
DEMOLITION LEGEND			NOTES
SYMBOL	DESCRIPTION		
	SAWCUT AND GRIND CONCRETE EXPOSED TO NEAREST JOINT	①	
	SAWCUT AND REMOVE EXISTING CONCRETE CORE AND OUTLET AT THE NEAREST JOINT	②	
	SAWCUT AND GRIND EXISTING CONCRETE EXPOSED TO NEAREST JOINT	③	
	SAWCUT AND GRIND EXISTING CONCRETE EXPOSED TO NEAREST JOINT	④	
	REMOVE EXISTING CONCRETE PAVERS	⑤	
	REMOVE EXISTING BRICK PAVERS	⑥	
	REMOVE EXISTING LIGHT POLE, STAKE FOR REINSTALLATION	⑦	
	REMOVE EXISTING TREE	⑧	
	REMOVE EXISTING SHRUB	⑨	
	REMOVE EXISTING SHRUB	⑩	
	REMOVE EXISTING PAVING MATERIAL	⑪	
	EMPTY NOTE		

MATCHLINE - SEE DRAWING CD1.03 FOR CONTINUATION

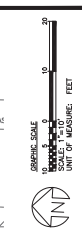


MATCHLINE - SEE DRAWING CD1.02 FOR CONTINUATION

SYMBOL	DEMOLITION LEGEND	DESCRIPTION	NOTES
	REMOVE EXISTING CONCRETE	REMOVE EXISTING CONCRETE	1
	REMOVE EXISTING ASPHALT	REMOVE EXISTING ASPHALT	2
	REMOVE EXISTING BRICK PIERS	REMOVE EXISTING BRICK PIERS	3
	DEBRIS	DEBRIS	4



BALTIMORE VA MEDICAL CENTER
7-STORY BUILDING W/ INCIDENT



UNIVERSITY of MARYLAND

ADMINISTRATIVE & FINANCE
UNIVERSITY OF MARYLAND
100 NORTH GREENE STREET
BALTIMORE, MD 21201
PHONE NO. (410) 769-7748
FAX NO. (410) 769-7847

KEY PLAN

A/E CONSULTANTS

RMC ENGINEERING, INC.
5550 WINDY HILL DRIVE
BALTIMORE, MD 21228
P-410.576.0595 F-410.385.0327

CAPITAL ENGINEERING, INC.

PROFESSIONAL CERTIFICATION, I HAVE BY MY SIGNATURE AND SEAL, PREPARED THIS DRAWING IN ACCORDANCE WITH THE REQUIREMENTS OF THE BOARD OF PROFESSIONAL ENGINEERS, STATE OF MARYLAND.

DATE: 06/13/2023

REGISTRATION #/FIRM

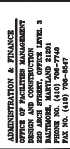
PROJECT TITLE :
CAMPUS
ELECTRIC
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION

UMB BUILDING NO. : VARIOUS
UMB Project NO. : 17-287
UMB NO. : 17081-AD
UMB FILE NO.
DATE : 06/13/2023

SHEET TITLE :
ELECTRIC
DUCTBANK
DEMOLITION
PLAN

NO	DATE	ITEM

SHEET NO. CD1.03



A/E CONSULTANTS

rmf

RMF ENGINEERING, INC.
5520 RESEARCH PARK DR, 3RD FLR
BALTIMORE, MD 21228
P: 410.576-0505 F: 410.385-0327



PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND,
2/1976
LICENSE NO. _____
EXPIRATION DATE: 2004-05-16



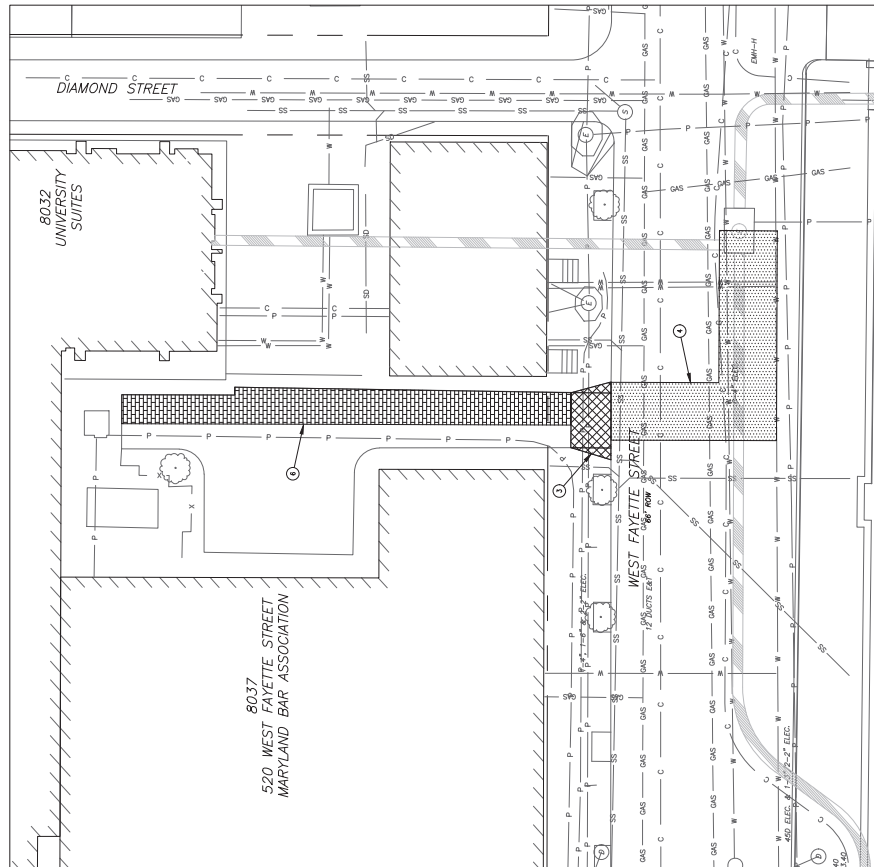
PROJECT TITLE :	100% CD SUBMISSION
CAMPUS	UMB Building No. : VARIOUS
ELECTRICAL	UMB Project No. : 17-317
DISTRIBUTION	A/E PROJECT NO. : 117081.A0
UPGRADES -	CD FILE NO. :
PHASE 4	DAYS : 09/18/2023

SHEET TITLE :
**ELECTRIC
DUCTBANK
DEMOLITION
PLAN**

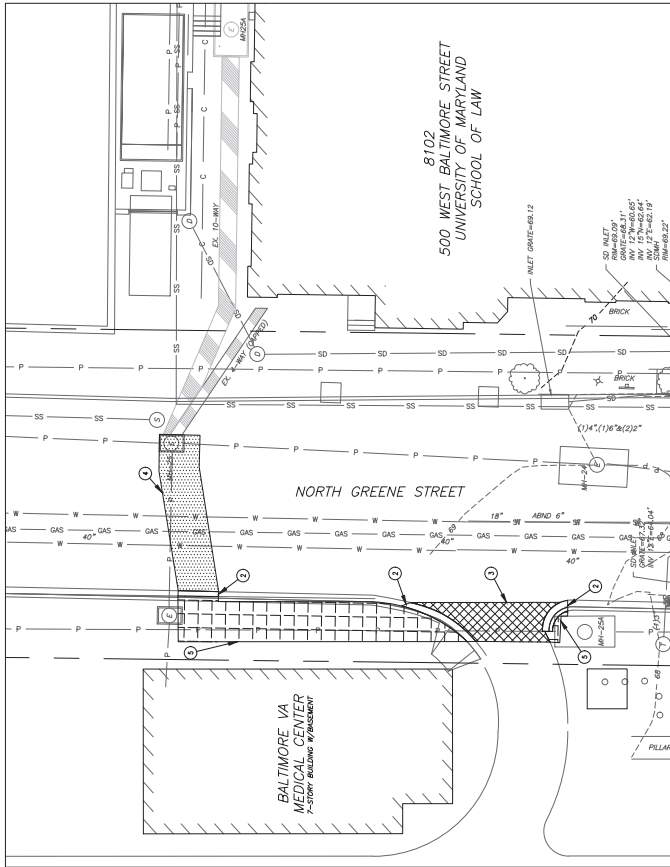
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SECRET NO. CD1.04

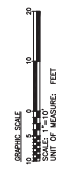
DEMOLITION LEGEND		
SYMBOL	DESCRIPTION	NOTES
	SAFELY AND REMOVELY EXISTING CONCRETE CURB AND GUTTER AT THE NEAREST JOINT	②
	SAFELY AND REMOVELY EXISTING CONCRETE PAVEMENT IN EXISTENT JOINT	③
	REMOVE EXISTING ASPHALT PAVEMENT	④
	REMOVE EXISTING CONCRETE PAVERS	⑤
	REMOVE EXISTING BRICK PAVERS	⑥
	DEMO NOTE	



NORTH GREENE & WEST FAYETTE PLAN
SCALE: 1"=10'-0"



NORTH GREENE & WEST BALTIMORE PLAN
SCALE: 1"=10'-0"



UNIVERSITY of MARYLAND

ADMINISTRATIVE & FINANCE
1000 UNIVERSITY DRIVE, SUITE 200
BALTIMORE, MD 21201-1000
PHONE: (410) 769-7748
FAX: (410) 769-7747

KEY PLAN

A/E CONSULTANTS

RME ENGINEERING, INC.
55 BALTIMORE STREET, SUITE 200
BALTIMORE, MD 21201
P: 410.576.0595 F: 410.385.0327

PROFESSIONAL CERTIFICATION: I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND. MY EXPIRATION DATE IS: 12/31/2023.

REGISTRATION/STAMP

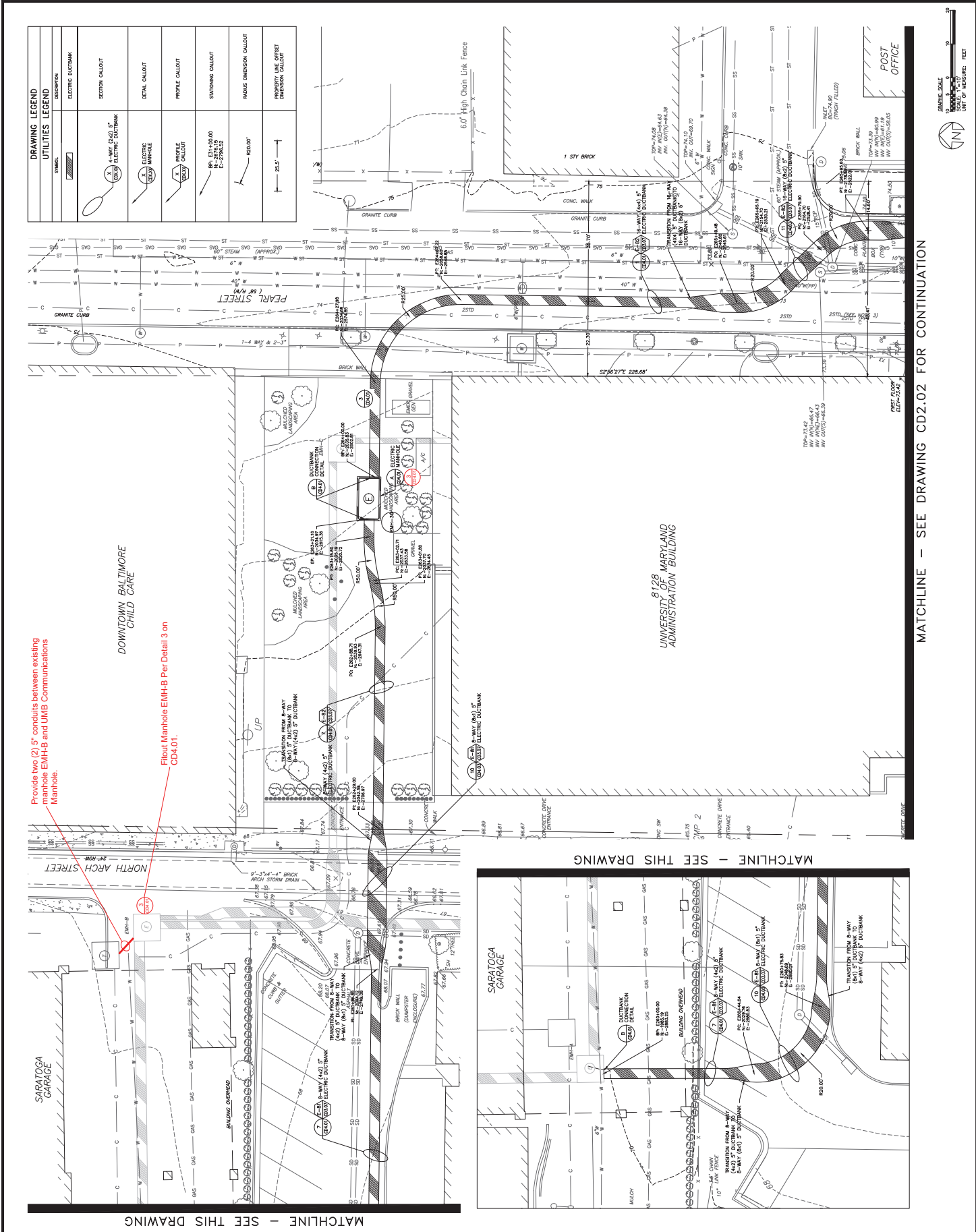
PROJECT TITLE:
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION

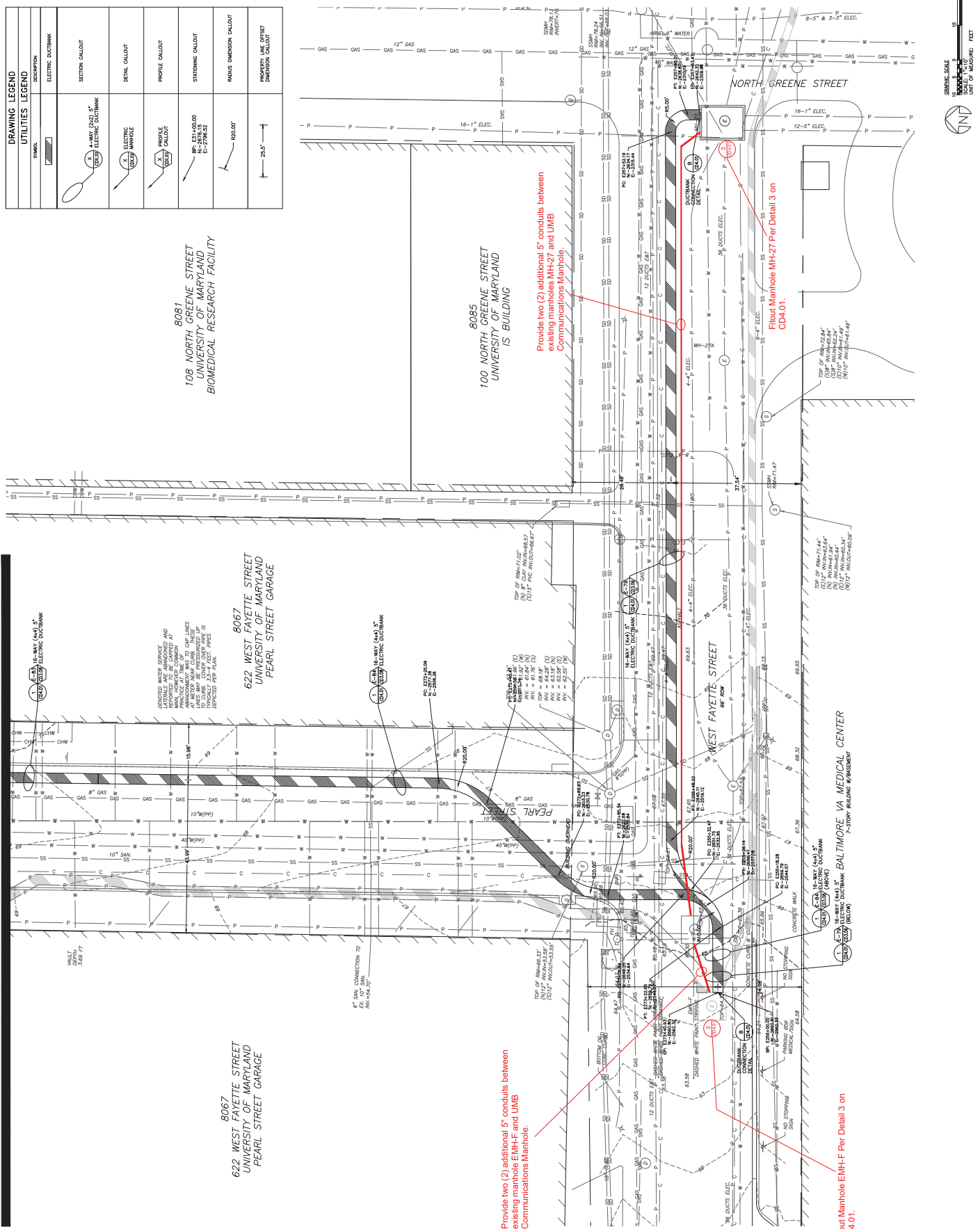
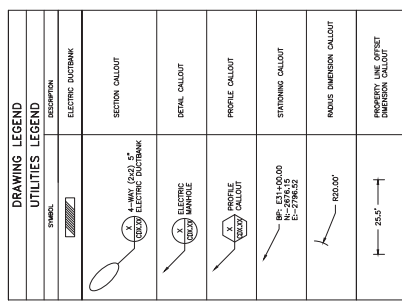
UMB BUILDING NO.: YANBOUSE
UMB PROJECT NO.: 17-287
UMB DRAWING NO.: 17E01-00
DATE: 06/13/2023

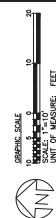
SHEET TITLE:
ELECTRIC
DUCTBANK SITE
PLAN

NO.	DATE	ITEM

SHEET NO. CD2.01





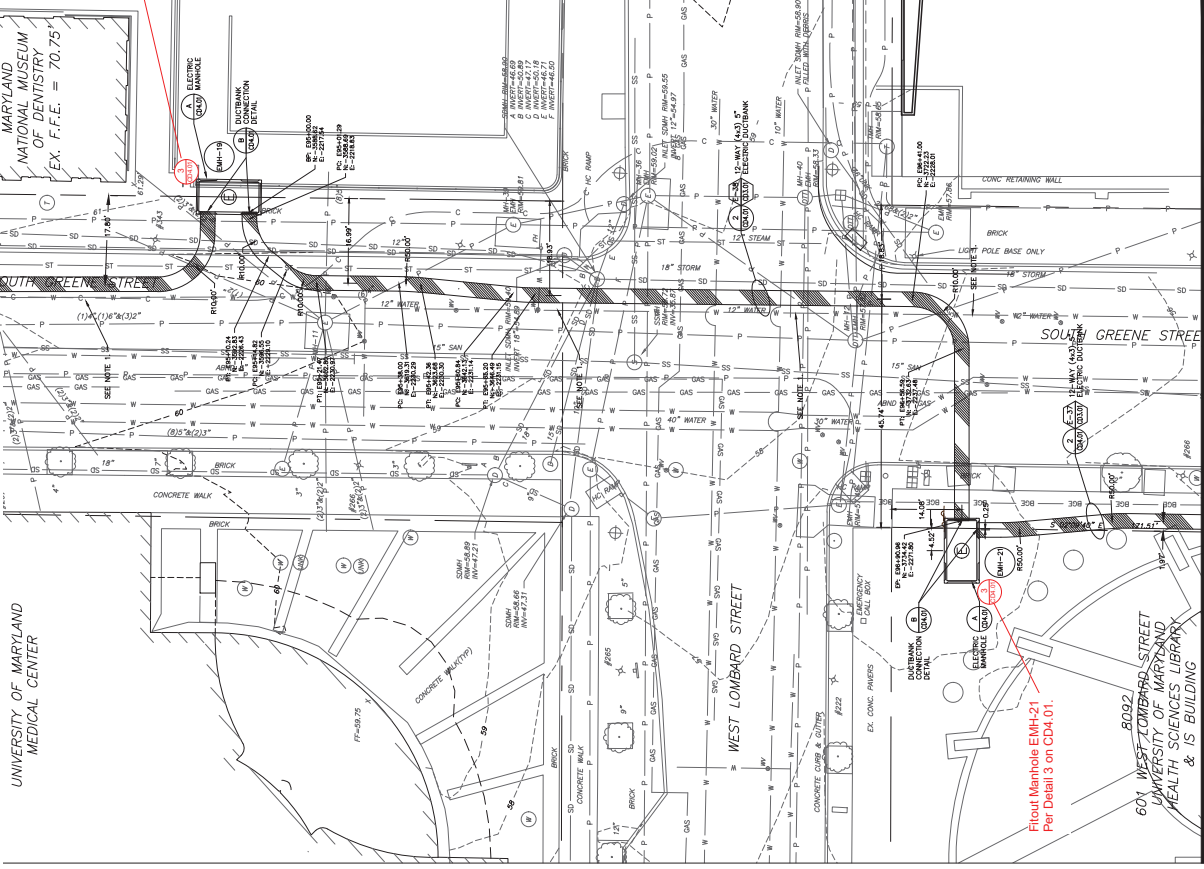


Fitout Manhole EMH-18
Per Detail 3 on CD4.01.

MATCHLINE - SEE DRAWING CD2.06 FOR CONTINUATION

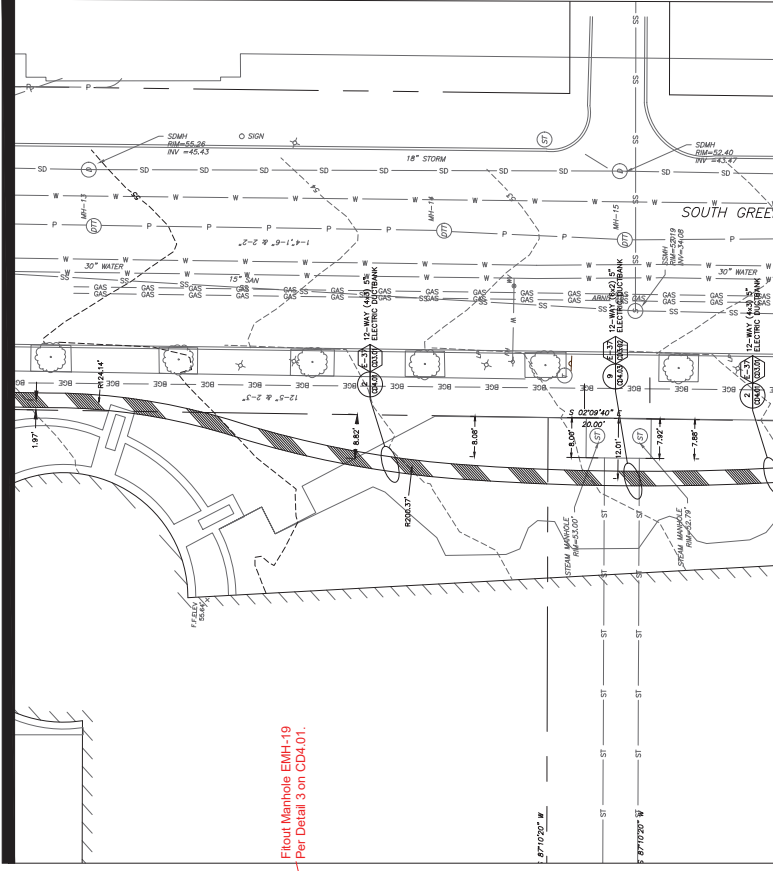
MATCHLINE - SEE DRAWING CD2.05 FOR CONTINUATION

The new ductbank and manholes in this drawing will be provided by a separate project. Provide manhole fit-outs as required.



MATCHLINE - SEE THIS DRAWING FOR CONTINUATION

MATCHLINE - SEE THIS DRAWING FOR CONTINUATION

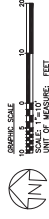


NOTES:
1. CONSTRUCTION IN THE VICINITY OF THE 14" WATER MAIN SHALL BE PERFORMED AS TO NOT DISTURB THE UTILITIES SHOWN. A REQUEST TO THE CITY OF BALTIMORE SHALL BE SUBMITTED TO DETERMINE THE LOCATION OF ANY UTILITIES NOT SHOWN. OTHERWISE, EXCAVATE ONLY TO 10' OF PENETRATION.

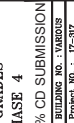
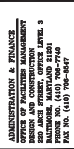
8092
601 WEST LOMBARD STREET
UNIVERSITY OF MARYLAND
HEALTH SCIENCES LIBRARY
& IS BUILDING

Fitout Manhole EMH-22
Per Detail 3 on CD4.01.

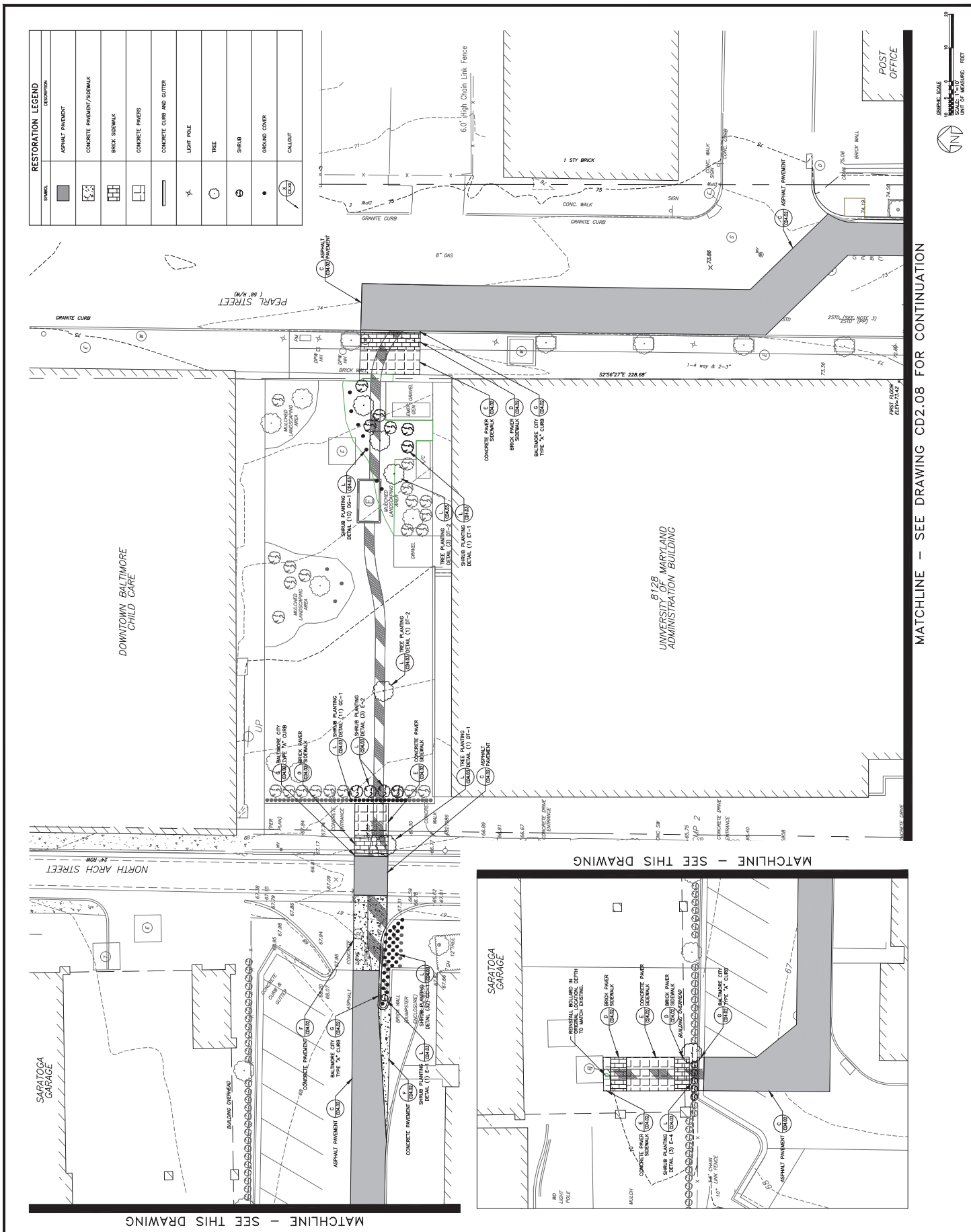
DRAWING LEGEND	
SYMBOL	DESCRIPTION
	ELECTRIC DUCTBANK
	PRECAST ELECTRIC MANHOLE
	ELECTRIC MANHOLE CALLOUT
	SECTION CALLOUT
	DETAIL CALLOUT
	PROFILE CALLOUT
	STATIONING CALLOUT
	RADIUS DIMENSION CALLOUT
	PROPERTY LINE OFFSET DIMENSION CALLOUT

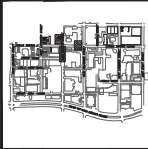
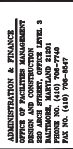


PROJECT NO.:
CD2.06

[illegible]

SHEET NO. CD2.07





A/E CONSULTANTS

rmf

RMF ENGINEERING, INC.
5520 RESEARCH PARK DR, 3RD FLR
BALTIMORE, MD 21228
P: 410.576-0505 F: 410.385-0327



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AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND,
LICENSE NO. 2-19786



PROJECT TITLE :
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION
UMB BUILDING NO. : VARIOUS
UMB Project NO. : 17-317
A/E PROJECT NO. : 117081.40
CD FILE NO. :
DATE : 09/18/2023

SHEET TITLE :
ELECTRIC
DUCTBANK
RESTORATION
PLAN

[illegible]

SECRET NO. CD2.08

8128 UNIVERSITY OF MARYLAND ADMINISTRATION BUILDING

622 WEST FAYETTE STREET UNIVERSITY OF MARYLAND PEARL STREET GARAGE

8067 DONALD HOUSE

RESTORATION LEGEND

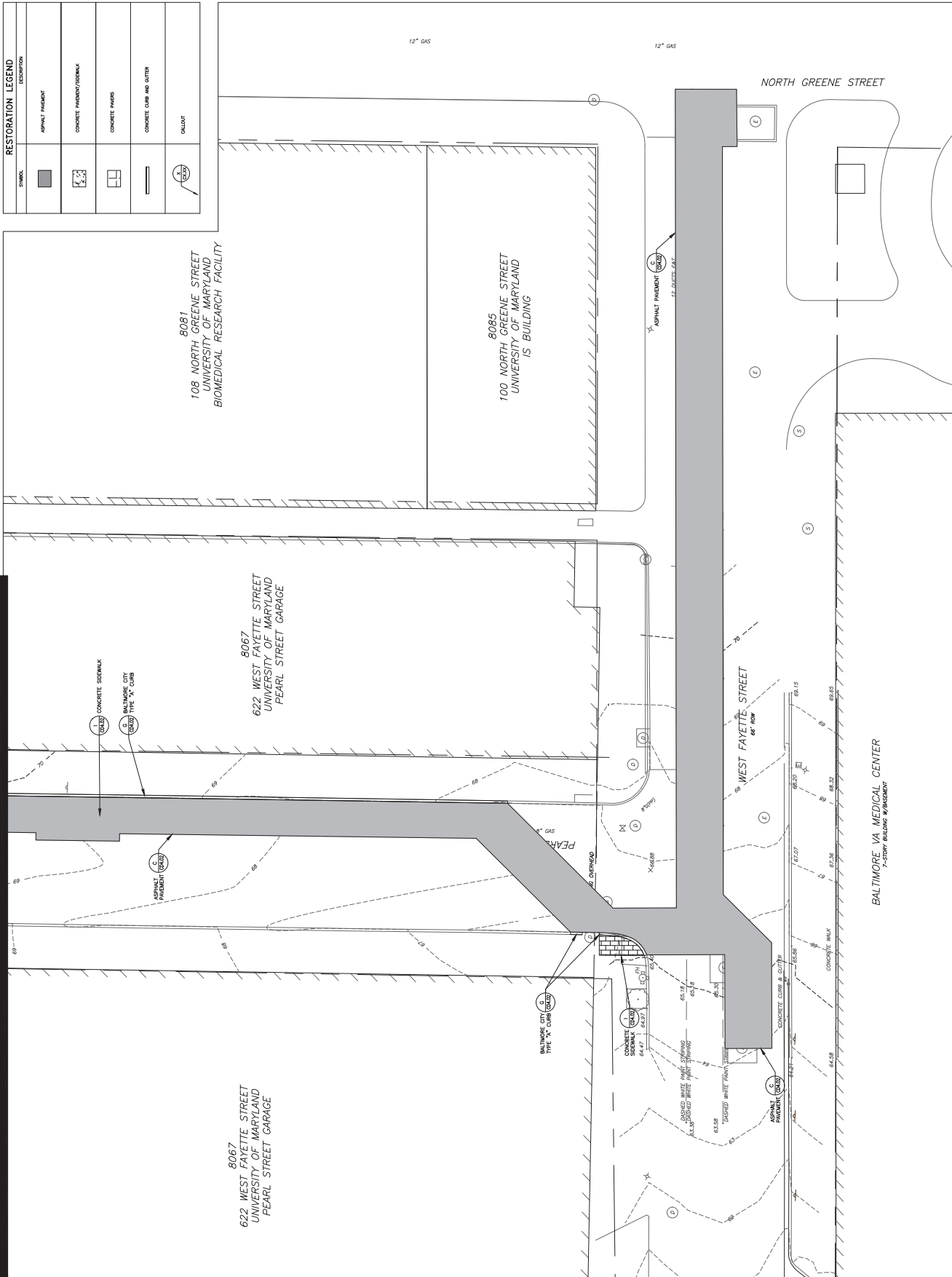
SYMBOL	DESCRIPTION
[Pattern]	ASPHALT PAVEMENT
[Pattern]	CONCRETE PAVEMENT/SEWERALS
[Pattern]	BRICK SEWERALS
[Pattern]	CONCRETE PAVERS
[Pattern]	CONCRETE CURB AND GUTTER
[Symbol]	LIGHT POLE
[Symbol]	SHRUB
[Symbol]	GROUND COVER
[Symbol]	PARKING METER

MATCHLINE - SEE DRAWING CD2.09 FOR CONTINUATION



RESTORATION LEGEND	
SYMBOL	DESCRIPTION
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT/GRAVEL
	BRICK SIDEWALK
	CONCRETE PAVERS
	CONCRETE CURB AND GUTTER
	LIGHT POLE
	SHRUB
	GROUND COVER
	PARKING METER
	CALLOUT

MATCHLINE — SEE DRAWING CD2.08 FOR CONTINUATION



RESTORATION LEGEND	
SYMBOL	DESCRIPTION
	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	CONCRETE CURB
	CONCRETE CURB AND GUTTER
	OUTLET

8081
108 NORTH GREENE STREET
UNIVERSITY OF MARYLAND
BIOMEDICAL RESEARCH FACILITY

8067
622 WEST FAYETTE STREET
UNIVERSITY OF MARYLAND
PEARL STREET GARAGE

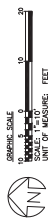
8067
622 WEST FAYETTE STREET
UNIVERSITY OF MARYLAND
PEARL STREET GARAGE

8085
100 NORTH GREENE STREET
UNIVERSITY OF MARYLAND
IS BUILDING

NORTH GREENE STREET

WEST FAYETTE STREET
66' ROW

BALTIMORE VA MEDICAL CENTER
7-STORY BUILDING W/ INCIDENT



UNIVERSITY of MARYLAND

ADMINISTRATIVE & FINANCE
OFFICE OF PROJECTS & CONSTRUCTION
DIVISION OF CONSTRUCTION
BIO-MEDICAL RESEARCH FACILITY
100 NORTH GREENE STREET, SUITE 3
BALTIMORE, MD 21201
PHONE NO. (410) 706-7748
FAX NO. (410) 706-5877

KEY PLAN

A/E CONSULTANTS

RMC ENGINEERING, INC.
555 NORTH FAYETTE STREET
BALTIMORE, MD 21201
P-410.576.0595 F-410.385.0327

CENTRAL ENGINEERING, INC.

PROFESSIONAL CERTIFICATION: I, LARRY E. BYRNE, A PROFESSIONAL ENGINEER, HAVE PREPARED THIS DRAWING AND I AM NOT PROVIDING ANY SERVICES OR CONSULTING UNDER THE LAWS OF THE STATE OF MARYLAND.

EXPIRATION DATE: 03/31/2025

REGISTRATION/STAMP

PROJECT TITLE:
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION

UMB BUILDING NO.: 10000000
UMB PROJECT NO.: 17-287
UMB PROJECT NO.: 17-287
UMB FILE NO.:
DATE: 06/13/2023

SHEET TITLE:
ELECTRIC
DUCTBANK
RESTORATION
PLAN

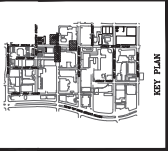
NO.	DATE	ITEM

SHEET NO.
CD2.09



UNIVERSITY
of MARYLAND

ADMINISTRATIVE & FINANCE
UNIVERSITY OF MARYLAND
SYSTEM
BUILDING RESTORATION
SECTION AND CONSTRUCTION
MANAGEMENT
500 WEST FAYETTE STREET, SUITE 3
BALTIMORE, MD 21201
PHONE NO. (410) 766-7748
FAX NO. (410) 766-5877



A/E CONSULTANTS



RMC ENGINEERING, INC.
555 NORTH CALVERT STREET
BALTIMORE, MD 21202
P: 410.576.0595 F: 410.385.0327



CENTRAL ENGINEERING, INC.
1000 E. JEFFERSON AVE.
BALTIMORE, MD 21201
P: 410.576.0595 F: 410.385.0327

PROFESSIONAL CERTIFICATION, I HAVE BY MY SIGNATURE AND SEAL, CERTIFIED THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, AND THAT I AM THE DESIGNER OF THIS PROJECT. I HAVE ALSO CERTIFIED THAT I AM NOT PROVIDING ENGINEERING SERVICES TO ANY OTHER PARTY FOR THE SAME PROJECT OR FOR THE SAME LAND OF THE STATE OF MARYLAND, AND THAT I AM NOT PROVIDING ENGINEERING SERVICES TO ANY OTHER PARTY FOR THE SAME PROJECT OR FOR THE SAME LAND OF THE STATE OF MARYLAND.



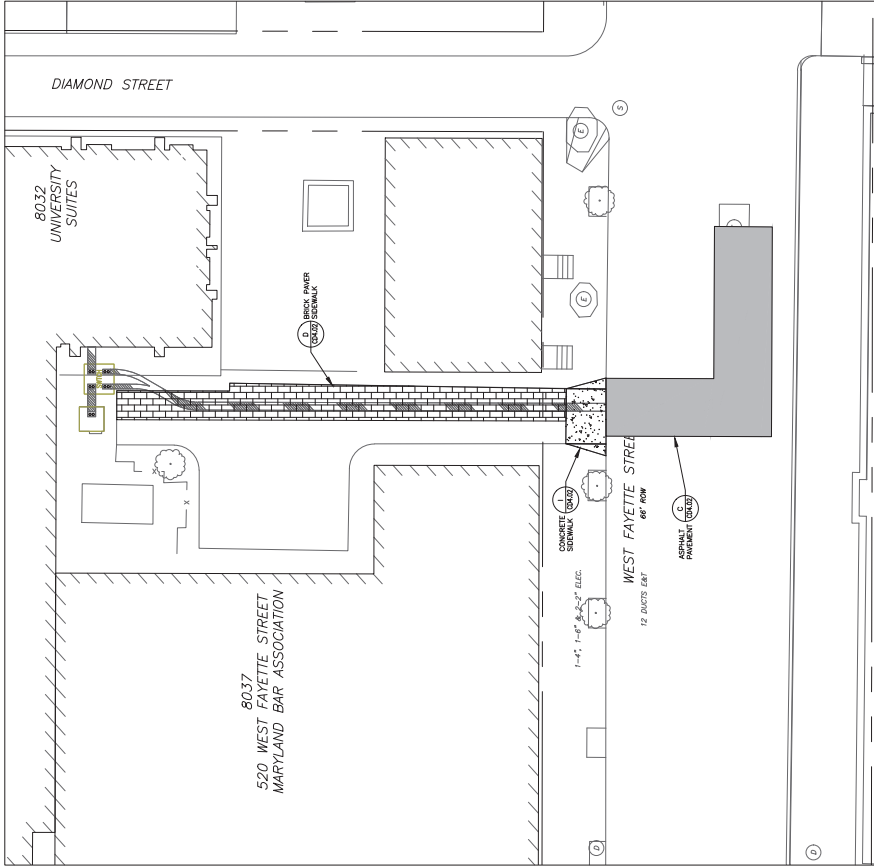
PROJECT TITLE :
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4
100% CD SUBMISSION
UMB BUILDING NO. : VARIOUS
UMB PROJECT NO. : 17-287
CD PROJECT NO. : 17-287
CD TITLE NO. :
DATE : 06/13/2023

SHEET TITLE :
ELECTRIC
DUCTBANK
RESTORATION
PLAN

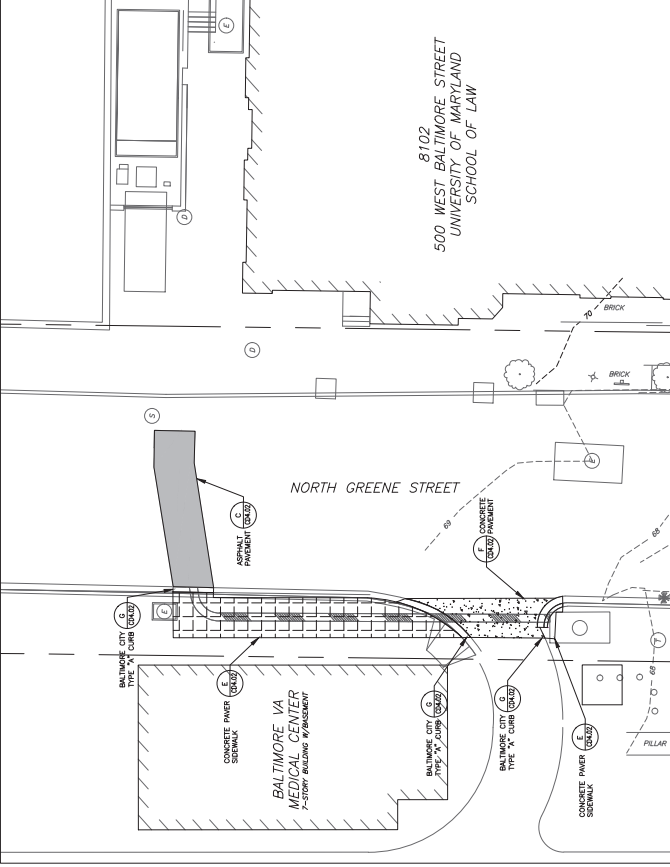
REVISIONS	
NO.	DATE / ITEM

SHEET NO.
CD2.10

RESTORATION LEGEND	
SYMBOL	DESCRIPTION
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT/SEALANT
	CONCRETE PAVING
	CONCRETE CURB AND GUTTER
	OUTLET

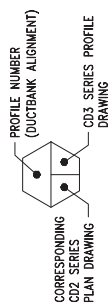


NORTH GREENE & WEST FAYETTE PLAN
SCALE: 1"=10'-0"

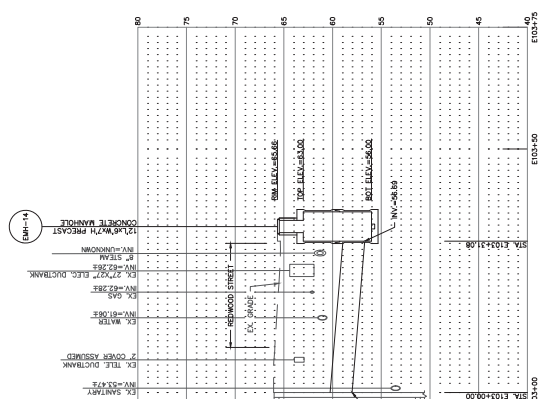


NORTH GREENE & WEST BALTIMORE PLAN
SCALE: 1"=10'-0"

GRAPHIC SCALE
1"=10'-0"
1"=10'-0"
1"=10'-0"
UNIT OF MEASURE: FEET



NOT USED

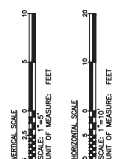


NOTES:
1. SEE DRAWINGS C02.05 FOR ELECTRICAL DISTRIBUTION SITE PLAN.
2. PROFILE IS BASED ON CENTERLINE OF 12-INCH (4X3) ECT ELECTRICAL DUCTBANK.
3. INVERT INFORMATION PROVIDED IS BASED ON THE BOTTOM OF THE DUCTBANK.
4. BACKFILL WITH FLOWABLE FILL WHERE LESS THAN 1' CLEARANCE BETWEEN UTILITIES
(MINIMUM SEPARATION BETWEEN UTILITIES SHALL BE 6 INCHES). FLOWABLE FILL
MAY BE A MIXTURE OF FINE AGGREGATE, CEMENT AND WATER, CERTIFIED
BY MANUFACTURERS.

E-41 12-WAY (4x3) 5" ELECTRIC DUCTBANK
FROM UNIVERSITY PLAZA PARKING
GARAGE TO PR. EMH-14

CD2.05

VERTICAL SCALE: 1"=5'-0"
HORIZONTAL SCALE: 1"=10'-0"



ADMINISTRATION & FINANCE
OFFICE OF FACILITIES MANAGEMENT
DESIGN AND CONSTRUCTION
200 ARCH STREET, OFFICE LEVEL 3
BALTIMORE, MARYLAND 21201
PHONE NO. (410) 706-7740
FAX NO. (410) 706-8547

KEY PLAN

A/E CONSULTANTS

RMF ENGINEERING, INC.
5520 RESEARCH PARK DR, 3RD FLR
BALTIMORE, MD 21228
P: 410-576-0505 F: 410-385-0327



PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. _____
EXPIRATION DATE _____
2-15-2016
TOTAL PAGES _____



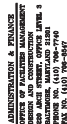
PROJECT TITLE :
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4

100% CD SUBMISSION
UMB BUILDING NO. : VARIOUS
UMB Project NO. : 17-317
A/E PROJECT NO. : 117061.A0
CAD FILE NO. :
DATE : 09/19/2023

TITLE :
ELECTRIC
DUCTBANK
PROFILES

[illegible]

SHEET NO. CD3.02



KEY PLAN

THE CONSULTANTS

RMF ENGINEERING, INC.
5520 RESEARCH PARK DR, 3RD FLR
BALTIMORE, MD 21228
P-410 576-0505 F-410 385-0377



PROFESSIONAL CERTIFICATION. I HEREBY
CERTIFY THAT THESE DOCUMENTS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.



PROJECT TITLE :
CAMPUS
ELECTRICAL
DISTRIBUTION
UPGRADES -
PHASE 4

00% CD SUBMISSION

UMB BUILDING NO. : VARIOUS

UMB Project NO. : 17-317

A/A/E PROJECT NO. : 117061-A0

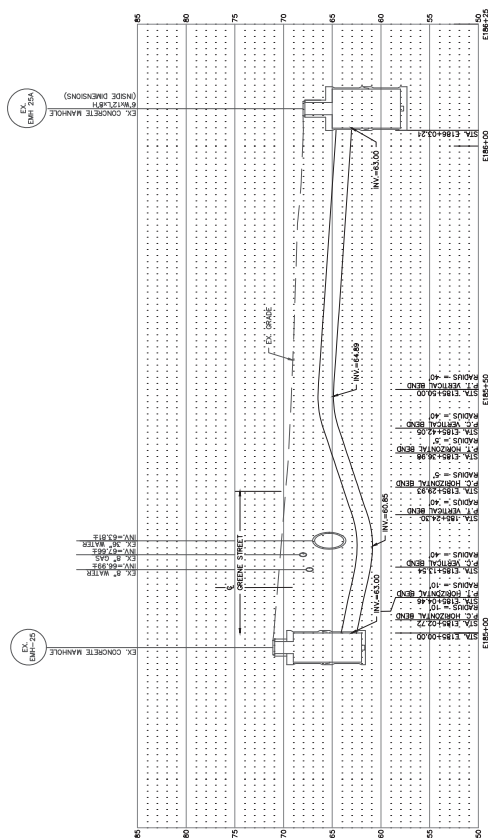
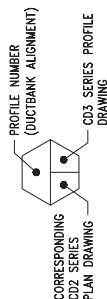
CAD FILE NO. :

DATE: 09/19/2023

PROJECT TITLE :
ELECTRIC
DUCTBANK
PROFILES

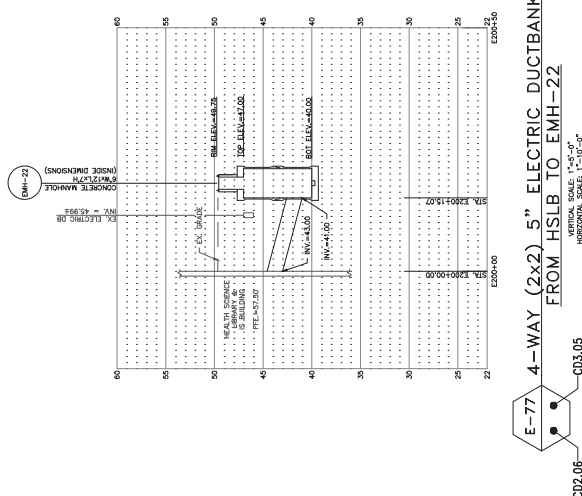
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SHEET NO. CD3.05



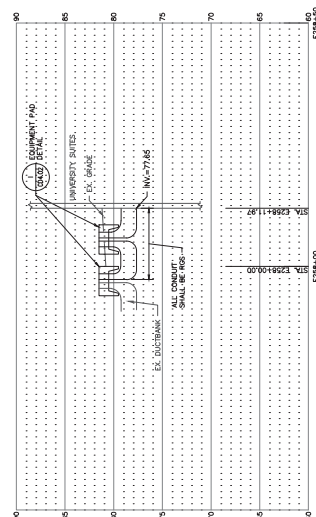
(2x2) 5" ELECTRIC DUCTBANK
FROM EMH-25 TO EMH

CD2.04



(2x2) 5" ELECTRIC DUCTBANK
FROM HSLB TO EMH-22

D2.06-CD3.05



E-80 2-WAY (2x1) 5" ELECTRIC DUCTBANK FROM
FX TRANSFORMER TO UNIVERSITY SUITS

CDZ 04

NOTES:

- SEE DRAWINGS C02.04 FOR ELECTRICAL DISTRIBUTION SITE PLAN.
PROFILE IS BASED ON CONTINUOUS 2-WAY (2X12) 8" ELECTRICAL DUCTBANK.
INVERT INFORMATION PROVIDED IS BASED ON THE BOTTOM OF THE DUCTBANK.
BACKFILL WITH FLOWABLE FILL WHERE LESS THAN 1' CLEARANCE BETWEEN UTILITIES
(MINIMUM SEPARATION UTILITIES SHALL BE 6 INCHES). FLOWABLE FILL
CONCRETE CONSISTING OF A Mixture OF FLY ASH, CEMENT AND WATER. CERTIFIED

NOTES

- SEE DRAWINGS C02.06 FOR ELECTRICAL DISTRIBUTION SITE PLAN.
PROFILE IS BASED ON CENTERLINE OF 4-WAY (2X12) 5" ELECTRICAL DUCTBANK.
INVERT INFORMATION PROVIDED IS FROM THE BOTTOM OF THE DUCTBANK.
BACKFILL WITH FLOWABLE FILL WHERE LESS THAN 1' CLEARANCE BETWEEN UTILITIES
(MINIMUM SEPARATION BETWEEN UTILITIES SHALL BE 6 INCHES). FLOWABLE FILL
MAY BE A MIXTURE OF A MATURED FULL ASPH, GLEBEANT AND SAND, CERTIFIED
BY MANUFACTURERS.

