VIRGINIA HOSPITAL CENTER DEMOLITION

PHASE 1 - BID SET - June 18, 2021

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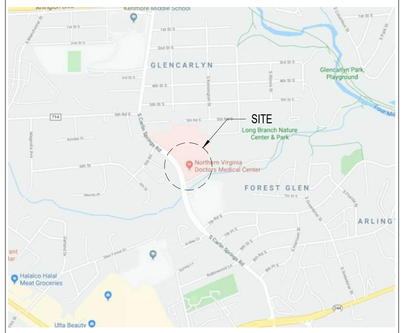
VICINITY MAP



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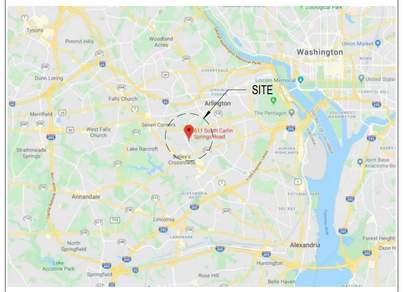
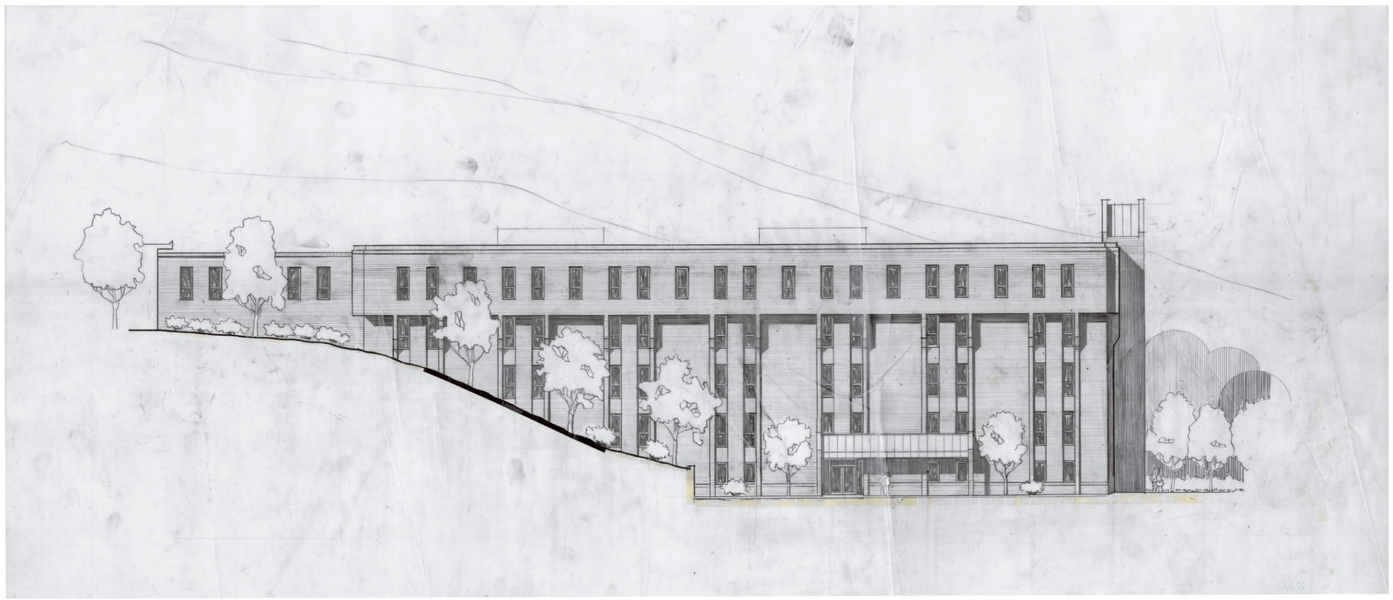
LOCATION MAP





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CD Revisions			
MARK	DATE	BY	DES
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PROJECT	13356.28		
DESIGNED	KDL		
DRAWN	DWH		
CHECKED	KDL		

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ARLINGTON, VA
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DRAWING COVER SHEET

SHEET
1-G-001

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1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

ABBREVIATIONS

#	NUMBER
&, +	AND
+/-	PLUS OR MINUS
@	AT
°	DEGREES
Ø	DIAMETER
Ω	ARC LENGTH
AB	ANCHOR BOLT
ABV	ABOVE
ACM	ASBESTOS CONTAINING MATERIAL
ADDN	ADDITION
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMP, A	AMPERE
ANCH	ANCHOR, ANCHORAGE
ANOD	ANODIZED
APC	ARCHITECTURAL PRECAST CONCRETE
APPROX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
ATTEN	ATTENUATION
AUTO	AUTOMATIC
AVB	AIR VAPOR BARRIER
AVG	AVERAGE
BC	BOTTOM OF CURB
BD	BOARD
BEJ	BUILDING EXPANSION JOINT
BETW	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BRG	BEARING
BRK	BRICK
BTWN, B/W	BETWEEN
BUR	BUILT-UP ROOFING
C	CARPET
CAB	CABINET
CAP	CAPACITY
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CFMF	COLD FORMED METAL FRAMING
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMP	COMPOSITE
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CPT	CARPET
CRS	COURSE. COURSES
CSMT	CASEMENT
CSWK	CASEWORK
CU FT	CUBIC FEET
CU YD	CUBIC YARD
CUH	CABINET UNIT HEATER
CW	COLD WATER
DBL	DOUBLE
DEMO	DEMOLITION
DET/DTL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DPG	DAMPPROOFING
DS	DOWNSPOUT
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION, ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE, ENCLOSURE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED / EXPANSION
EXT	EXTERIOR
FAB	FABRICATE
FAS	FASTEN, FASTENER
FD	FLOOR DRAIN, FIRE DAMPER
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FGL	FIBERGLASS
FH	FIRE HYDRANT
FIN	FINISH, FINISHED
FIX	FIXTURE
FLEX	FLEXIBLE
FLR	FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FP	FIREPROOF
FR	FIRE RATED
FRT	FIRE RETARDANT TREATED
FT	FOOT, FEET
FTG	FOOTING
FUR	FURRED, FURRING
FURR	FURRING
G	GAS
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACT, CONTRACTOR
GEN	GENERAL
GL	GLASS, GLAZING
GPM	GALLONS PER MINUTE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HIGH
H/C	HANDICAPPED
HB	HOSE BIB
HC	HOLLOW CORE
HDWR	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HTG	HEATING
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
ID	INSIDE DIAMETER
IN	INCH
INFO	INFORMATION
INST	INSTALLATION
INSUL	INSULATE, INSULATED, INSULATION
INT	INTERIOR
INV	INVERT
JAN	JANITOR
JB	JUNCTION BOX
JC	JANITOR CLOSET
JT	JOINT
KO	KNOCKOUT
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
L	LENGTH, LONG, LOW
LAV	LAVATORY
LB	POUND
LF	LINEAR FEET
LH	LEFT HAND
LIN	LINEAR
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LTG	LIGHTING
LTL	LINTEL
LVR	LOUVER
LW	LIGHTWEIGHT
MAINT	MAINTENANCE
MANUF	MANUFACTURE, MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANIC, MECHANICAL
MED	MEDIUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODIFIED
MOV	MOVABLE
MT	MOUNT
MTD	MOUNTED, MOUNTING
MTL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
P	PLATE
PART	PARTIAL
PC	PRE-CAST, PIECE
PED	PEDESTAL
PL	PROPERTY LINE / PLASTIC LAMINATE
PLAM	PLASTIC LAMINATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PREFAB	PREFABRICATE, PREFABRICATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAINTED
PTN	PARTITION
QTY	QUANTITY
R	RISER, RIDGE
RA	RETURN AIR
RAD	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECP	RECEPTACLE
REF	REFERENCE
REINF	REINFORCE, REINFORCED, REINFORCING
REM	REMOVE
REQD	REQUIRED
RET	RETURN
REV	REVISION, REVISIONS, REVISED
RH	RIGHT HAND
RL	RAIN LEADER
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
S	SOUTH
S/S	STAINLESS STEEL, SERVICE SINK
SAN	SANITARY SEWER
SAPC	SUSPENDED ACOUSTIC PANEL CEILING
SC	SOLID CORE, SEALED CONCRETE
SCHED	SCHEDULE
SCW	SOLID CORE WOOD
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION, SPECIFICATIONS
SQ	SQUARE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL, SYMMETRY
SYS	SYSTEM
T	TREAD
T&B	TOP & BOTTOM
TEMP	TEMPORARY, TEMPERED
THK	THICK, THICKNESS
THRU	THROUGH
TO	TOP OF
TOC	TOP OF CURB
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UC	UNDERCUT
UG	UNDER GROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT, VALLEY
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VR	VAPOR RETARDER
VT	VINYL TILE
VTR	VENT THRU ROOF
W	WEST, WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WDW	WINDOW
WH	WATER HEATER
WP	WATERPROOFING
WPT	WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

ARCHITECTURAL MATERIAL LEGEND

- CONTINUOUS WOOD BLOCKING
- CONCRETE MASONRY UNIT
- CAST-IN-PLACE CONCRETE
- STEEL
- EARTH / COMPACT FILL
- BATT INSULATION
- POROUS FILL / GRAVEL
- RIGID INSULATION
- GYPSUM BOARD
- RESILIENT FLOORING / PLASTIC LAMINATE
- ALUMINUM
- FINISHED WOOD
- WOOD BLOCKING
- BRICK
- GLASS
- ACOUSTICAL TILE
- PLYWOOD
- CERAMIC TILE - LARGE SCALE
- SAND / MORTAR / PLASTER
- GRAVEL

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FINISH FACE OF WALL TO BOTH EXISTING AND NEW CONSTRUCTION. ALL DIMENSIONS NOTED AS "CLEAR" SHALL MAINTAIN THE FULL SPACE INDICATED WITHOUT ENCROACHMENTS, INCLUDING WALL FINISHES. ALL VERTICAL HEIGHTS INDICATED ARE FROM THE FINISH FLOOR ELEVATION AT THE BASE OF THE ITEM INDICATED, UNLESS NOTED OTHERWISE. WHERE WALLS, JAMBS, OR OTHER ITEMS ARE NOTED TO "ALIGN", THE FACE OF ITEMS INDICATED SHALL BE IN LINE WITH EACH OTHER TO FORM A STRAIGHT LINE, FREE OF OFFSETS OR DEVIATIONS. FIELD VERIFY ALL DIMENSIONS.
2. EXISTING CONSTRUCTION (PARTITIONS, DOORS, PLUMBING FIXTURES, CASEWORK, EQUIPMENT, ETC.) IS INDICATED ON THE FLOOR PLANS WITH LINES IN A LIGHTER SHADE (SCREENED), WITH EXISTING WALLS TO REMAIN SOLID POCHED. NEW CONSTRUCTION IS INDICATED BY FULL INTENSITY (SOLID) LINES. ITEMS TO BE DEMOLISHED ARE INDICATED IN LIGHT DASHED LINES.
3. THE CONTRACTOR SHALL INVESTIGATE AND VERIFY ALL EXISTING CONDITIONS AND TAKE FIELD MEASUREMENTS AND SHALL CAREFULLY COMPARE SUCH FIELD MEASUREMENTS, CONDITIONS, AND OTHER INFORMATION KNOWN TO THE CONTRACTOR WITH THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK. IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES.
4. THE EXISTING CONDITIONS INFORMATION INDICATED IN THE CONTRACT DOCUMENTS IS BASED ON EXISTING DOCUMENTATION AND FIELD OBSERVATIONS, BUT IS NOT A WARRANTY OF EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION. ALL NEW CONSTRUCTION IS INDICATED RELATIVE TO THE EXISTING BUILDING AND SHALL BE COORDINATED WITH THE ACTUAL FIELD CONDITIONS FOUND. THE CONTRACTOR SHALL ASSUME FULL AND UNDIVIDED RESPONSIBILITY FOR THE ACCURACY, FIT, AND STABILITY OF ALL PARTS OF THE WORK.
5. ALL REMOVALS AND SALVAGE, UNLESS SPECIFICALLY NOTED OR REQUESTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL REPAIR AND RESTORE TO ITS ORIGINAL CONDITION ALL WORK AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. ANY DISTURBANCE OR DAMAGE TO THE EXISTING FACILITY RESULTING EITHER DIRECTLY OR INDIRECTLY FROM THE OPERATION OF THIS CONTRACT SHALL BE PROMPTLY REPAIRED, RESTORED, OR REPLACED AT NO ADDITIONAL COST.
7. ALL TRANSITIONS OF NEW WORK TO EXISTING CONSTRUCTION, INCLUDING AT FLOORS, WALL AND CEILINGS, SHALL BE CAREFULLY EXECUTED. EXISTING CONSTRUCTION SHALL BE REPAIRED AND PATCHED AS NEEDED TO PROVIDE A SMOOTH TRANSITION.

GENERAL NOTES

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING DEFECTIVE WORK IN EXISTING CONSTRUCTION WITHIN THE LIMITS OF THE CONSTRUCTION AREA. THIS INCLUDES, BUT IS NOT LIMITED TO, UNEVEN SURFACES AND FINISHES AT PLASTER OR GYPSUM BOARD. THE CONTRACTOR SHALL PATCH AND REPAIR SURFACES TO MATCH NEW ADJACENT SURFACES.
9. ALL NEW AND EXISTING TO REMAIN SUBSTRATES SHALL BE PROPERLY PREPARED BEFORE APPLICATION OF FINISHES. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR SUBSTRATE CONDITIONS WHERE FINISHES ARE APPLIED.
10. WHERE ITEMS ARE INDICATED TO BE REMOVED, DEMOLISH IN THEIR ENTIRETY, INCLUDING ALL APPURTENANCES, ANCHORS, AND INTERNAL STRUCTURES.
DOORS: REMOVE DOOR PANEL AND ALL HARDWARE. MAINTAIN INTEGRITY OF FRAMES AND ANCHORAGE FOR THE INSTALLATION OF NEW DOOR PANELS AND HARDWARE. REPAIR AS NECESSARY EXISTING DOOR FRAMES TO REMAIN TO LIKE NEW CONDITION.
DOORS & FRAMES: REMOVE DOOR PANEL, HARDWARE, FRAMES, ANCHORS, AND ADJACENT SIDELIGHTS AND TRANSOMS WHERE INDICATED. PREPARE WALL OPENING FOR INFILL OF NEW WALL CONSTRUCTION OR PATCH WALLS TO MATCH ADJACENT FINISHES AS INDICATED.
WALLS: REMOVE ENTIRE WALL STRUCTURE, FROM FLOOR LINE TO TOP OF WALL TO THE EXTENT SHOWN OR REQUIRED. REMOVE ALL EMBEDDED MECHANICAL AND ELECTRICAL DEVICES, CONDUITS, ETC. WHERE WALLS EXTEND THROUGH THE SLAB ON GRADE, REMOVE WALL TO MINIMUM 4" BELOW SLAB SURFACE. PATCH SLAB AS PER SPECIFICATIONS.
11. WHERE EXISTING MASONRY WALLS ARE EXTENDED WITH NEW MASONRY CONSTRUCTION OF SIMILAR MASONRY UNITS, CUT EXISTING WALLS ALONG THE MASONRY JOINTS, REMOVE EXISTING MORTAR BACK TO THE EXISTING UNIT TO REMAIN, AND TOOTH IN NEW MASONRY UNITS TO MAINTAIN THE BOND PATTERN AND INTEGRITY OF THE WALL. WHERE EXISTING MASONRY WALLS ARE EXTENDED WITH NEW MASONRY CONSTRUCTION OF DISSIMILAR MASONRY UNITS, SAW CUT END OF EXISTING WALLS PLUMB AND STRAIGHT. ABUT NEW CONSTRUCTION ALIGNED WITH THE FACE OF THE EXISTING WALL. PROVIDE BACKER ROD & SEALANT IN THE JOINT.
12. REFER TO THE PROJECT SPECIFICATIONS SECTION 024119 "SELECTIVE DEMOLITION" FOR ADDITIONAL REQUIREMENTS.

BID ALTERNATES:
THESE DOCUMENTS INCLUDE TWO ALTERNATE EXTERIOR WALL FINISH ASSEMBLIES APPLIED TO THE EXISTING BUILDING SUBSTRATE AS INDICATED. CONTRACTOR'S BID SHALL INCLUDE PRICES FOR EACH ALTERNATE AS A COMPLETE ASSEMBLY. THE ASSEMBLIES ARE IDENTIFIED AS:

ALTERNATE 1: BRICK FAÇADE CONSISTING OF SPRAY APPLIED AIR BARRIER, 2 ½" (R10.5) RIGID MINERAL WOOL INSULATION, AIR SPACE, AND FACE BRICK INCLUDING STAINLESS STEEL ANGLE SUPPORT AND ALL ANCHORS, TIES AND FLASHINGS.

ALTERNATE 2: FORMED METAL WALL PANEL FAÇADE CONSISTING OF SPRAY APPLIED AIR BARRIER, 2 ½" 'Z' FURRING, 2 ½" (R10.5) RIGID MINERAL WOOL INSULATION, AND EXPOSED FASTENER METAL WALL PANELS INCLUDING ALL SUBGIRTS, ANCHORS AND FLASHINGS.

ARCHITECTURAL GRAPHIC SYMBOLS

- A101A — DOOR TAG - BUILDING DIV/DOOR NUMBER LOCATION SUFFIX (IF REQ'D)
- X — NEW WORK KEY NOTE
- X — DEMOLITION KEY NOTE
- X / AXXX — EXTERIOR / INTERIOR / INTERIOR CASEWORK ELEVATION IDENTIFICATION NUMBER; SHEET NUMBER WHERE ELEVATION IS LOCATED
- ROOM / A101 — ROOM NAME, BLDG DIV / CONST NO.
- MSR8 — PARTITION TYPE (SEE PARTITION LEGEND)
- ELEVATION REFERENCE
- MATCH LINE, SEE 1 / A101
- 0 / 0 — EGRESS LOAD, EGRESS CAPACITY

BUILDING SECTION REFERENCE
- C1 / A-101 — SECTION NUMBER
- C1 / A-101 — DRAWING NUMBER WHERE SECTION IS DRAWN

SECTION REFERENCE
- A1 / 2-A-101 — SECTION NUMBER
- C1 / A-101 — DRAWING NUMBER WHERE SECTION IS DRAWN

ENLARGED PLAN OR DETAIL REFERENCE
- A1 / 2-A-101 — PLAN OR DETAIL NUMBER
- DRAWING NUMBER WHERE ENLARGED PLAN OR DETAIL IS DRAWN

MAIN DRAWING TITLE
- TITLE — DRAWING TITLE
- SCALE: 1/8" = 1'-0" — DRAWING SCALE

MARK	DATE	REVISIONS	BY
4	05.31.2121	Amended Permit	DES

DATE	06.18.2021
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SHEET
1-G-101

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CODE ANALYSIS

A. APPLICABLE CODES:
1. 2015 Virginia Uniform Statewide Building Code (VUSBC).
2. 2015 Virginia Energy Conservation Code.
3. 2010 ADA Standards for Accessible Design.

B. GENERAL INFORMATION:
1. The project is submitted under the 2015 Virginia Existing Building Code - VUSBC, Part II, referred to as the "VEBC". The VEBC incorporates by reference Chapters 2 - 16 of the 2015 International Existing Building Code (IEBC) per section 101.2.
2. The project is an Alteration as defined by IEBC Section 202.
3. The project is submitted under the IEBC WORK AREA compliance method per section 301.1.2.
4. Classification of Work: Total WORK AREA does not exceed 50% of the aggregate area of the building. Per VEBC Chapter 5, alterations of the existing building shall meet Level 2 requirements.
5. The Work will not require a change of occupancy.
6. This project is the first phase of a two-phase project. Phase one includes partial demolition of the structure which connects the building to the existing Virginia Hospital Center. The intent is to provide for egress from the building in preparation for Phase 2 which includes full demolition of the hospital.
7. The drawings on this sheet illustrate the occupant load and egress methods that will exist when the separation of the buildings is complete at the end of Phase 1.

C. EXISTING CONDITIONS:
1. The existing structure to remain is a medical office building constructed in 1979 and consists of five levels set on a sloping site with the first floor level at grade on the south end and the fourth floor level at grade on the north end.
2. Construction consists primarily of steel framing members, steel bar joist floor and roof framing, and 3" thick concrete floors on a 9/16" corrugated metal deck. Exterior walls are brick masonry on metal stud framing.
3. The building is partially sprinklered, utility and storage rooms only.

D. ACCESSIBILITY:
1. The five building levels are connected by elevator providing an accessible route.

E. USE GROUP CLASSIFICATION:
1. The building is a medical office building, Use Group Business B.

F. CONSTRUCTION TYPE:
1. Existing documentation indicates the following assembly ratings:

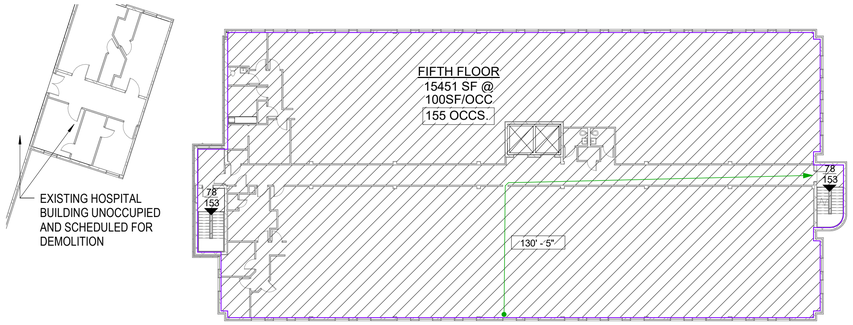
BUILDING ELEMENT	Rating Req'd.	Rating Provided
Primary structural frame	1	UL X526 - 1 HR
Bearing walls		
Exterior	1	12" Concrete- 4 HR
Interior	1	NA
Nonbearing walls and partitions		
Exterior		
Nonbearing walls and partitions		
Interior	0	
Floor construction and associated secondary members	1	UL G229 - 1 HR
Roof construction and associated secondary members	1	UL P214 - 1 HR

2. Based on the above the building is submitted as Construction Type 2A in accordance with IBC Table 601.

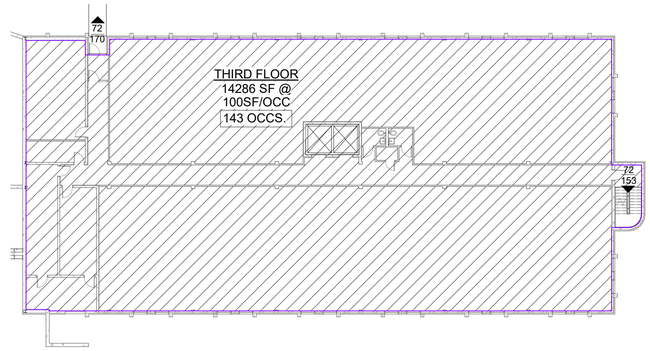
G. BUILDING HEIGHT:
1. Allowable Building Height in Feet = 65 ft.
2. Actual building height = 58 ft. from the midpoint of the stair roof to the grade plane calculated at elevation 222.0'.
3. Allowable Number of Stories Above Grade per table 504.4 = 5.
4. Actual Number of Stories = 5.

H. BUILDING AREA:
1. The Allowable Area for Construction Type 2A non-sprinklered, multi-story Use Group B building, per table 506.2 and Equation 5-2 is: 37500 (3) = 112500 sf. (frontage increase is disregarded).
2. Actual building area = 64301 sf. – refer to the occupancy schedule for areas by floor.

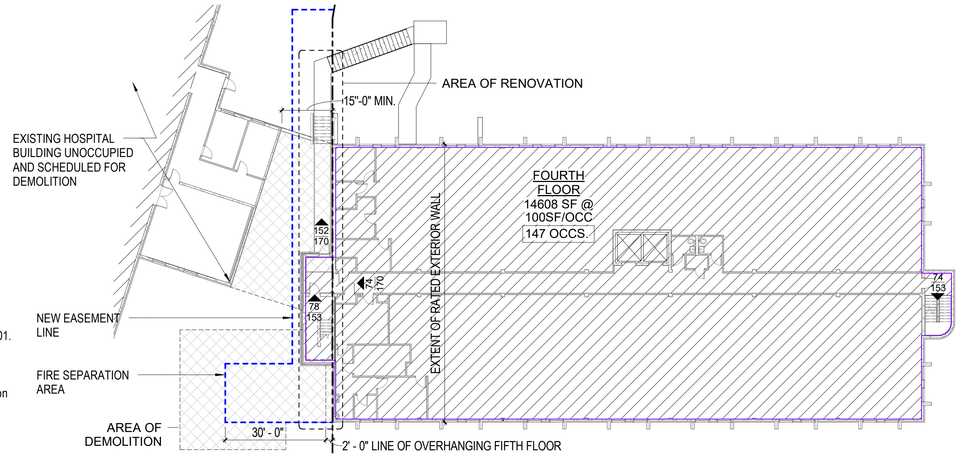
I. MEANS OF EGRESS:
1. Number of Exits:
   a. Two exits required from each floor level – two exits provided.
   b. Three exits required from the building – six exits provided.
2. Egress Capacity:
   a. 34" clear width at exit doors at 0.2" per occupant = 170.
   b. 46" width of stairs at 0.3" per occupant = 153.
   c. Stair width governs egress capacity. See plans for egress load at each exit.
3. Egress Length:
   a. Exit Access Travel Distance allowed = 200 l.f. Maximum travel distance provided = 130 l.f.



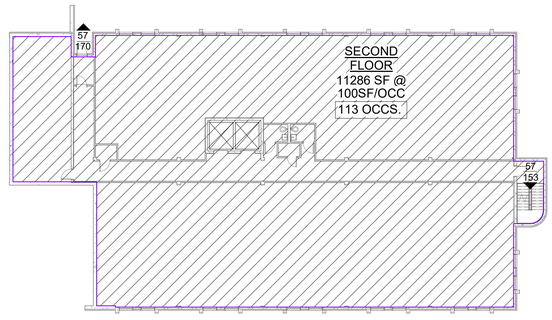
FIFTH FLOOR
SCALE: 3/64" = 1'-0"



THIRD FLOOR (NO WORK AT THIS LEVEL IN THE PROJECT SCOPE)
SCALE: 3/64" = 1'-0"

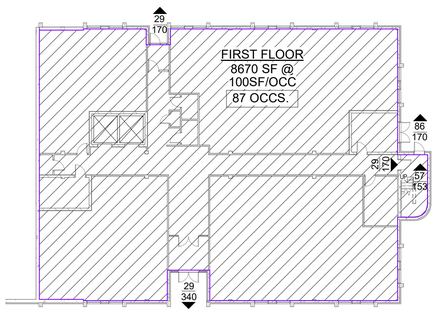


FOURTH FLOOR
SCALE: 3/64" = 1'-0"



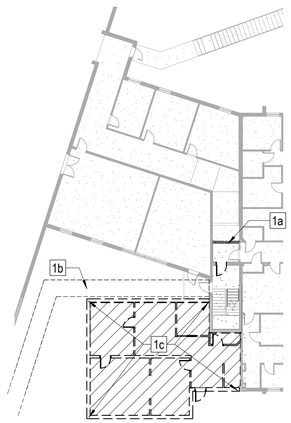
SECOND FLOOR (NO WORK AT THIS LEVEL IN THE PROJECT SCOPE)
SCALE: 3/64" = 1'-0"

OCCUPANCY SCHEDULE				
LEVEL	FUNCTION OF SPACE PER IBC	AREA (SF)	SF/OCC.	OCCUPANT LOAD
FIRST FLOOR	Business Areas	8670 SF	100 SF	87
SECOND FLOOR	Business Areas	11286 SF	100 SF	113
THIRD FLOOR	Business Areas	14286 SF	100 SF	143
FOURTH FLOOR	Business Areas	14608 SF	100 SF	147
FIFTH FLOOR	Business Areas	15451 SF	100 SF	155
TOTAL BUILDING OCCUPANT LOAD		64301 SF		645

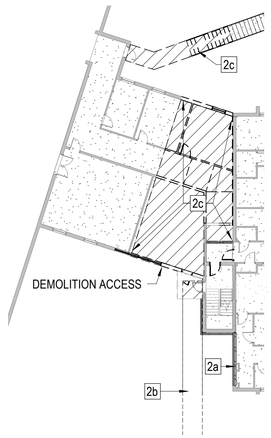


FIRST FLOOR (NO WORK AT THIS LEVEL IN THE PROJECT SCOPE)
SCALE: 3/64" = 1'-0"

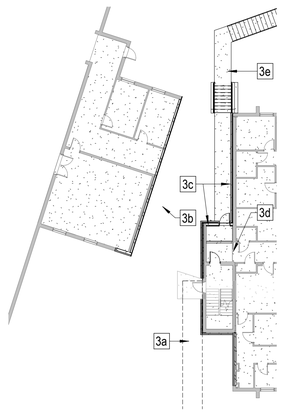
CONSTRUCTION SEQUENCE:
1. Step 1: Separate initial demolition from occupied building. Maintain protected egress path through fourth floor level stair to existing egress door until the new egress door and exit discharge path are complete and operational.
   a. Install temporary one-hour rated wall at fourth and fifth floors. Extend tight to floors, wall & roof with perimeter joint firestopping.
   b. Install covered pedestrian protection - extend out to a point clear of the construction area and maintain open at all times.
   c. Demolish MRI addition as indicated.
2. Step 2: Demolition of two story connector.
   a. Construct new exterior infill wall and soffit at Fourth Floor.
   b. Realign pedestrian egress protection to allow access to the two story connector for demolition.
   c. Demolish connecting structure and site paving & steps to the extent shown.
3. Step 3: Construct stair vestibule, exit door, and new concrete sidewalk and steps.
   a. Maintain egress and pedestrian protection throughout demolition & new construction.
   b. Install new end wall to secure the existing to remain building.
   c. Construct new vestibule extension, wall cladding and paving.
   d. Demolish interior door & refinish opening, and install MEP systems in the existing structure when the building is unoccupied.
   e. Construct new concrete steps and connect new egress path to existing steps.
   f. Provide a complete exit discharge route before proceeding with step four.
4. Step 4: Complete new construction as shown.
   a. Remove temporary separation wall after new work is in place.
   b. Demolish stair exit door and infill wall opening. Maintain egress path through stair to new exit door and protect building occupants.
   c. Demolish existing concrete steps and all temporary construction.
   d. Complete new wall cladding.



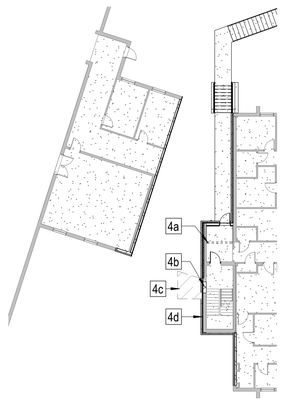
SEQUENCING STEP 1
SCALE: 3/64" = 1'-0"



SEQUENCING STEP 2
SCALE: 3/64" = 1'-0"



SEQUENCING STEP 3
SCALE: 3/64" = 1'-0"



SEQUENCING STEP 4
SCALE: 3/64" = 1'-0"

CD Revisions / Permit Revisions			
MARK	DATE	BY	DES
1	05.15.2020		
2	07.30.2020		

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
CHECKED	KDL

RRMM ARCHITECTS, PC
2900 South Quincy Street, Suite 710
Arlington, Virginia 22206
(703)998-0101

COMMONWEALTH OF VIRGINIA
6/1/2021
KEITH DOUGLAS LEONARD
Lic. No. 011302
ARCHITECT

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
DRAWING CODE ANALYSIS

SHEET
1-G-102

601 SOUTH CARLIN SPRINGS ROAD

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

ARLINGTON COUNTY, VIRGINIA

DATUM NOTES:

HORIZONTAL DATUM: THE SITE SHOWN HEREON IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983 AS COMPUTED FROM A FIELD RUN TOPOGRAPHIC SURVEY.

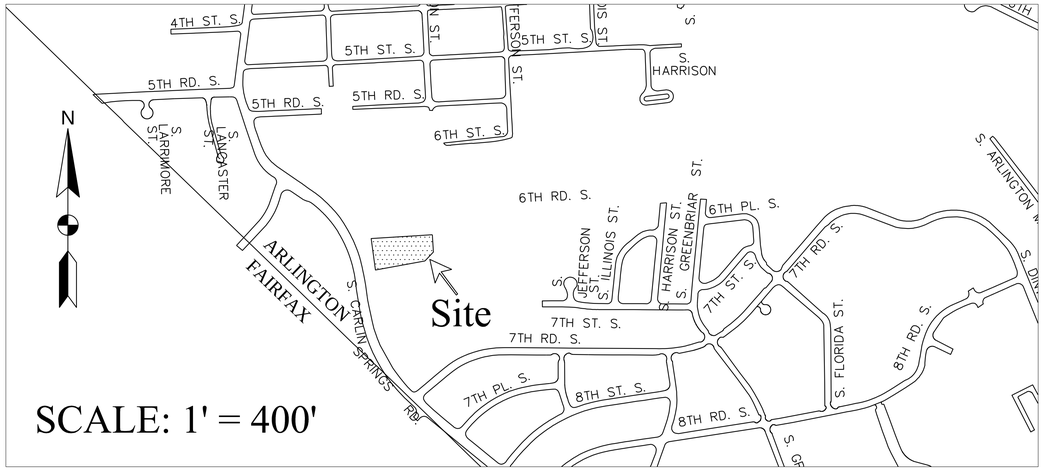
VERTICAL DATUM: THE SITE SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS COMPUTED FROM A FIELD RUN VERTICAL CONTROL SURVEY.

OWNER
NAME: THE COUNTY BOARD OF ARLINGTON
ADDRESS: 2100 CLARENDON BLVD, SUITE 300
ARLINGTON, VA 22201
TELEPHONE #: (703) 228-3130

DEVELOPER
NAME: ARLINGTON COUNTY GOVERNMENT - D.E.S.
FACILITIES DESIGN & CONSTRUCTION
ADDRESS: 1400 N UHLE ST., SUITE 403
ARLINGTON, VA 22201
TELEPHONE #: (703) 226-3626
EMAIL: JALMARIO@ARLINGTONVA.US

ENGINEER
NAME: A. MORTON THOMAS & ASSOCIATES, INC.
ADDRESS: 14555 AVION PARKWAY, SUITE 150
CHANTILLY, VA 20151
TELEPHONE #: (703) 817-1373

CONTRACTOR
NAME: TO BE DETERMINED
ADDRESS: TO BE DETERMINED
TELEPHONE #: TO BE DETERMINED



SCALE: 1' = 400'

SHEET INDEX

GENERAL NOTES

1. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH THE CONDITIONS OF THE SITE. THE CONTRACTOR SHALL THOROUGHLY EXAMINE AND BE FAMILIAR WITH THE DRAWINGS AND SPECIFICATIONS. SHOULD THE CONTRACTOR FIND ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES, OR CONFLICTS IN OR AMONG THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO THEIR MEANING, HE SHALL BRING THESE ITEMS TO THE ATTENTION OF THE PROJECT OFFICER FOR DIRECTION BEFORE PROCEEDING WITH WORK.
2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BE RESPONSIBLE FOR ADHERENCE TO ALL ORDINANCES, REGULATIONS, LAWS AND CODES HAVING JURISDICTION OVER THE PROPERTY.
3. THE CONTRACTOR SHALL SUBMIT A REQUIRED "RESPONSIBLE LAND DISTURBER" CERTIFICATION LETTER AS PART OF OBTAINING A BUILDING (OR DISTURBANCE) PERMIT.
4. THE CONTRACTOR IS RESPONSIBLE FOR LICENSING AS REQUIRED BY APPLICABLE REGULATORY AGENCIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL SALES, USE AND CAPITAL GAINS TAXES.
6. UTILITY LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE LOCATIONS DETERMINED FROM VISIBLE EVIDENCE AND AVAILABLE RECORDS. ADDITIONAL UNDERGROUND UTILITY LINES MAY BE PRESENT THAT ARE NOT SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE EXISTING UTILITIES.
7. CONTRACTOR SHALL NOT SUBSTITUTE PRODUCTS OR MATERIALS WITHOUT PRIOR APPROVAL BY THE PROJECT OFFICER.
8. THE CONTRACTOR SHALL IDENTIFY ALL STAGING AREAS AND LIMITS OF WORK FOR APPROVAL BY THE PROJECT OFFICER PRIOR TO THE START OF WORK. AREAS OUTSIDE LIMITS OF WORK SHALL NOT BE USED FOR STORAGE OR MOVEMENT OF MATERIALS, MACHINERY OR DEBRIS.
9. THE CONTRACTOR SHALL OBTAIN THE PROJECT OFFICER'S APPROVAL FOR TIMES OF DAY DURING WHICH CONSTRUCTION OPERATIONS MAY OCCUR. ALL CONSTRUCTION OPERATIONS SHALL OCCUR WITHIN TIMES SPECIFIED BY LOCAL ORDINANCES.
10. THE CONTRACTOR SHALL BE ON SITE AT TIME OF ALL MATERIALS DELIVERIES.
11. THE CONTRACTOR SHALL KEEP THE SITE CLEAN AND FREE OF TRASH AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A TRASH RECEPTACLE TO BE USED ON SITE DURING CONSTRUCTION AND SHALL REMOVE TRASH FROM THE SITE ON A DAILY BASIS.
12. THE CONTRACTOR SHALL KEEP VEHICULAR ACCESS AREAS CLEAN DURING CONSTRUCTION. VEHICULAR AND OTHER PAVED AREAS SHALL BE WASHED FREE OF MUD ON A WEEKLY BASIS DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL SECURE THE CONSTRUCTION AREA WITH FENCING AT END OF WORKDAY AND WHEN CONTRACTOR IS NOT ON SITE.
14. THE CONTRACTOR SHALL DISTRIBUTE ALL PROJECT MATERIALS AND EQUIPMENT AND DISTRIBUTE ANY STOCKPILES IN SUCH A MANNER AS TO PROTECT EXISTING CONDITIONS, SUCH AS UTILITIES, PAVING, VEGETATION, ETC. THE CONTRACTOR SHALL NOT STOCKPILE SOIL OR CONSTRUCTION MATERIALS, OR DRIVE VEHICLES WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES TO REMAIN. THE CONTRACTOR SHALL OBTAIN THE PROJECT OFFICER'S APPROVAL FOR ALL CONSTRUCTION ACCESS AREAS, STAGING AND STOCKPILE AREAS PRIOR TO CONSTRUCTION.
15. THE CONTRACTOR SHALL NOT BLOCK STREETS, PARKING AREAS, HOUSE OR DRIVEWAY ENTRANCES DURING CONSTRUCTION WITHOUT THE PROJECT OFFICER'S PERMISSION AND APPROVAL OF ANY RIGHT-OF-WAY PERMITS IF REQUIRED..
16. THE CONTRACTOR SHALL STAKE THE ALIGNMENT OF ALL PAVEMENT, WALLS, CURBING, SAFETY SURFACING AND SITE FEATURES IN THE FIELD FOR APPROVAL BY THE PROJECT OFFICER PRIOR TO CONSTRUCTION.
17. THE CONTRACTOR SHALL PROMPTLY REPAIR ALL DAMAGE TO EXISTING PAVEMENT, DRIVEWAYS, AND ADJACENT FACILITIES CAUSED BY CONSTRUCTION OPERATIONS. COST OF REPAIRS SHALL BE AT CONTRACTOR'S EXPENSE.
18. CONTRACTOR SHALL REMOVE ALL EXCESS SOIL, TEMPORARY FENCING, EROSION CONTROL MEASURES, STABILIZATION MATERIALS, AND OTHER DEBRIS AND SHALL DISPOSE LEGALLY UPON COMPLETION OF THE PROJECT. CONTRACTOR SHALL THOROUGHLY WASH AND CLEAN ALL PAVED AREAS, WALLS, SITE FURNISHINGS AND FEATURES, ETC. UPON COMPLETION OF THE PROJECT.
19. THE SITE SHOWN HEREON IS REFERENCED TO THE VIRGINIA COORDINATE SYSTEM OF 1983 AS COMPUTED FROM A FIELD RUN TOPOGRAPHIC SURVEY.
20. THE SITE SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS COMPUTED FROM A FIELD RUN VERTICAL CONTROL SURVEY.
21. REFER TO INDIVIDUAL DRAWINGS FOR ADDITIONAL NOTES.

SWM# 20-0148

A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
14555 AVION PARKWAY SUITE 150
CHANTILLY, VA 20151
PHONE (703) 817-1373
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

COMMONWEALTH OF VIRGINIA
JOHN KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

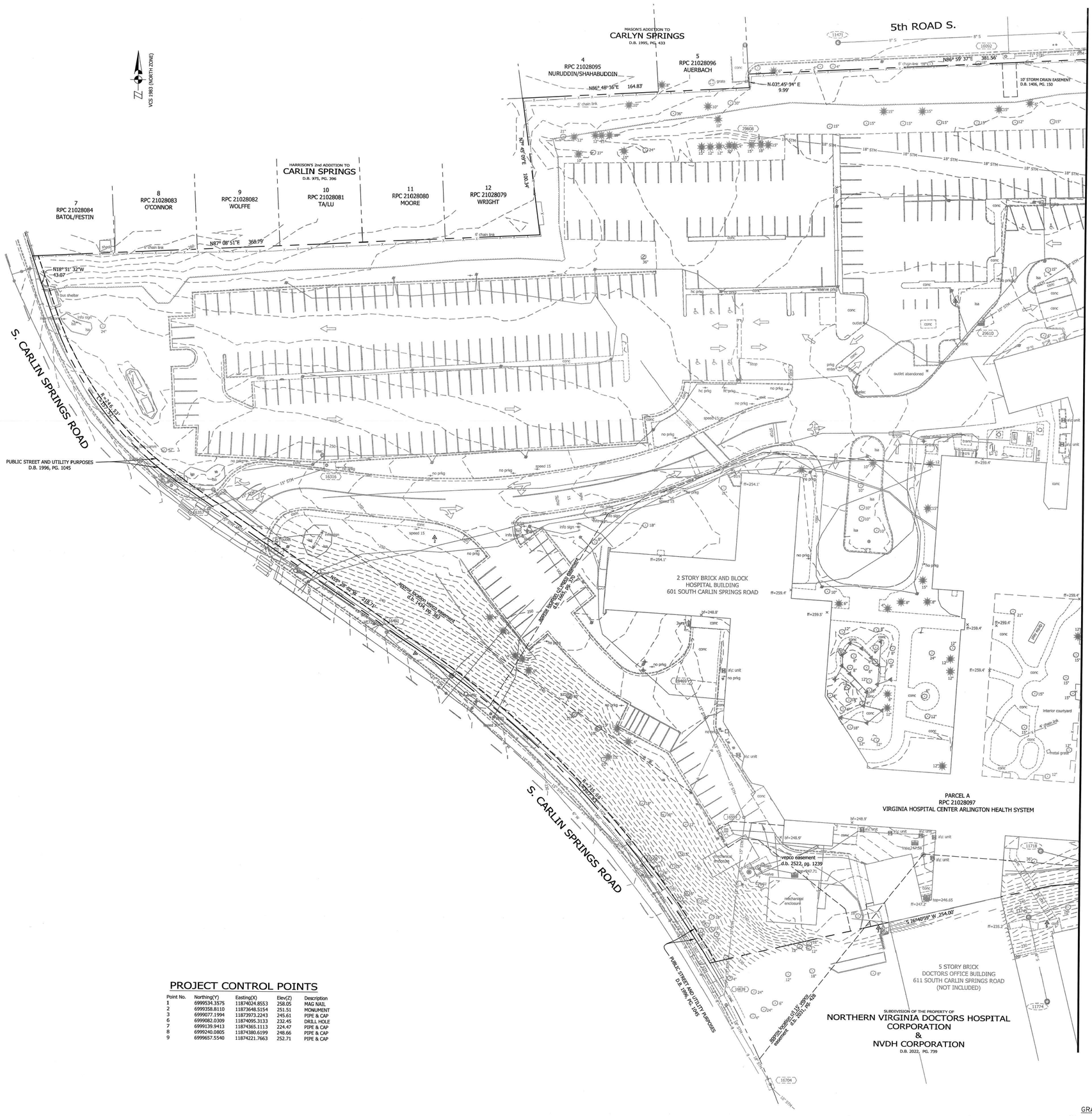
PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

COVER SHEET

1-C-100

SHEET 01 OF 20



PROJECT CONTROL POINTS

Point No.	Northing(Y)	Easting(X)	Elev(Z)	Description
1	6999534.3575	11874024.8553	258.05	MAG NAIL
2	6999358.8110	11873648.5154	251.51	MONUMENT
3	6999077.1994	11873973.2243	245.61	PIPE & CAP
6	6999082.0309	11874095.3133	232.45	DRILL HOLE
7	6999139.9413	11874365.1113	224.47	PIPE & CAP
8	6999240.0805	11874380.6199	248.66	PIPE & CAP
9	6999657.5540	11874221.7663	252.71	PIPE & CAP

GRAPHIC SCALE
25 0 25
SCALE: 1" = 25'

1-C-101
SHEET 1 OF 2

ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
Engineering Bureau - Survey Section
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF STEVEN J. LEARNARD, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM 9/2019 TO 10/2019; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

COMMONWEALTH OF VIRGINIA
12-5-2019
STEVEN J. LEARNARD
Lic. No. 2380
LAND SURVEYOR

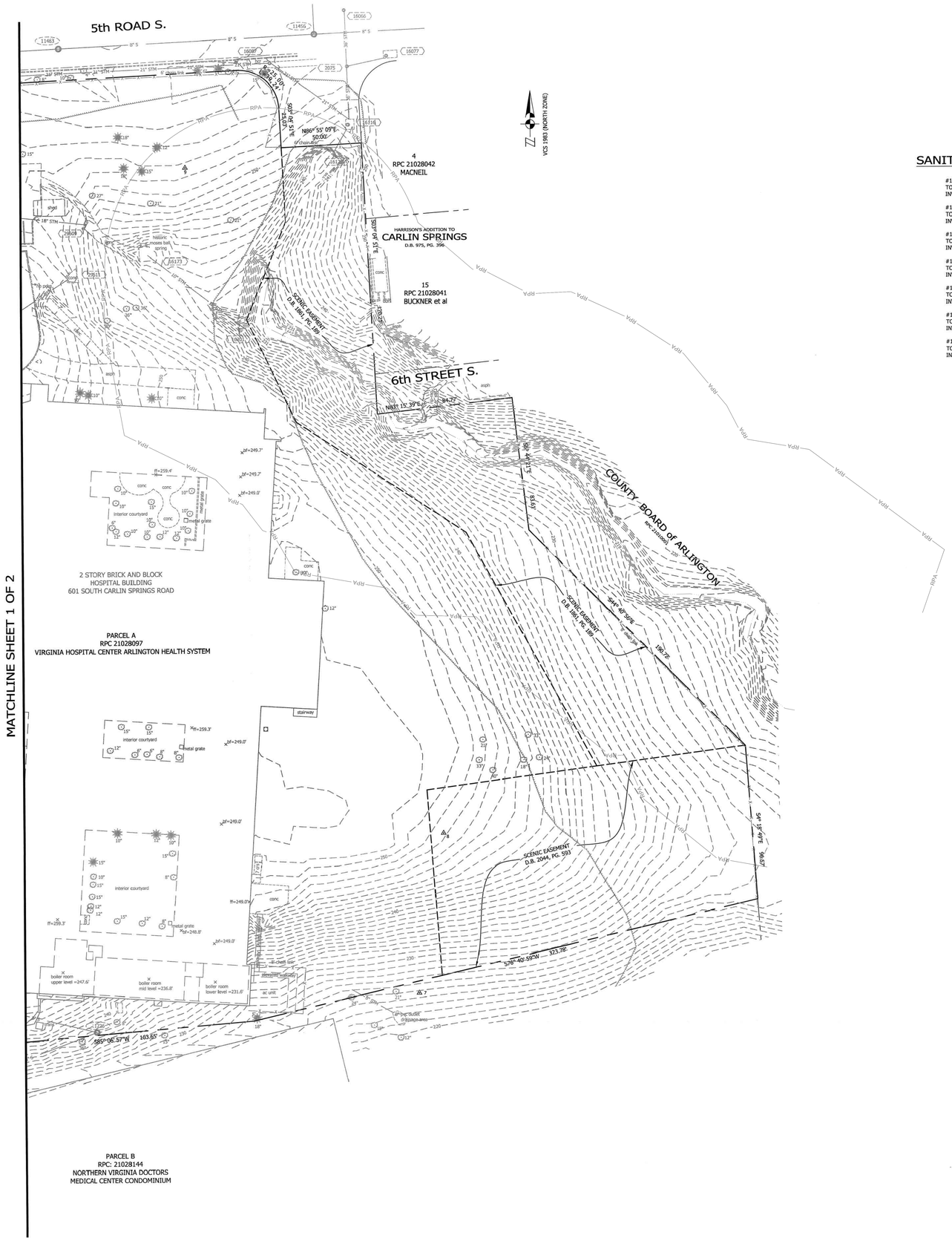
HORIZONTAL DATUM:	VIRGINIA COORDINATE SYSTEM 1983.
VERTICAL DATUM:	NORTH AMERICAN VERTICAL DATUM 1988.
CONTOUR INTERVAL:	1'
UNIT OF MEASURE:	U.S. SURVEY FOOT
SCALE:	1" = 25'
PREPARED FOR:	ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES

THE DIMENSIONS OF THE INTERIOR COURTYARDS AND BOILER ROOM ARE APPROXIMATE.

BOUNDARY INFORMATION SHOWN HEREON IS FROM AN EXISTING ALTA/NSPS LAND TITLE SURVEY PREPARED BY ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES DATED APRIL 4, 2016.

PARTY CHIEF: SHRADER
SURVEY PM: LEARNARD
PROJECT: 7027/CS20

TOPOGRAPHIC SURVEY
OF
PARCEL 'A'
SUBDIVISION OF THE PROPERTIES OF
NORTHERN VIRGINIA DOCTORS HOSPITAL
AND
NVDH CORPORATION
D.B. 2022, PG. 739
ARLINGTON COUNTY, VIRGINIA



MATCHLINE SHEET 1 OF 2

SANITARY TABLE

#11456
TOP = 253.15
INV = 248.54

#11463
TOP = 255.81
INV = 249.42

#11471
TOP = 255.26
INV = 250.57

#11718
TOP = 248.34
INV = 241.00

#11726
TOP = 237.73
INV = 229.43

#11745
TOP = 234.64
INV = 227.49

#11774
TOP = 212.76
INV = 204.36

STORM TABLE

**REFERENCES INFORMATION FROM EXISTING PLANS

#2075
TOP = 252.54
15" RCP IN = 248.12** (16077)
24" RCP IN = 245.09** (16066)
24" RPC OUT = 244.99* (16116)

#16066
TOP = 252.98
24" RCP OUT = 245.88 (2075)

#16077
TOP = 252.17
15" RCP OUT = 247.34 (2075)

#16087
TOP = 254.16
21" RCP IN = 246.73 (16092)
21" RCP OUT = 246.66 (16116)

#16092
TOP = 254.79
21" RCP IN = 247.14 (16073)
21" RCP OUT = 247.04 (16087)

#16116
TOP = 249.91
21" RCP IN = 243.68** (16087)
24" RCP IN = 242.96** (2075)
36" RCP OUT = 241.55** (16128)

#16128
INV. 36" RCP = 239.44 (16116)

#16173
INV. 10" CMP = 238.30 (16201)

#16201
INV. 10" CMP = 232.04 (16173)

#16316
TOP = 249.53
8" PVC IN = 245.03 (EAST)
15" RCF OUT = 244.98 (16357)

#16337
TOP = 249.12
15" RCF OUT = 246.07 (16357)

#16357
TOP = 247.66
15" RCF IN = 243.84 (16337)
15" RCP IN = 244.16 (16316)
15" RCP OUT = 243.31 (16431)

#16431
TOP = 235.91
15" RCP IN = 232.63** (16357)
15" RCP OUT = 232.09 (16560)

#16560
TOP = 228.76
15" RCP IN = 222.96 (16431)
15" RCP OUT = 222.86 (16560)

#16599
TOP = 248.06
10" CMP IN = 244.91 (ROOF DRAIN)
15" RCP IN = 241.18 (28469)
15" RCP OUT = 241.16 (16639)

#16639
TOP = 222.71
15" RCP IN = 216.64** (16560)
15" RCP IN = 218.03** (16599)
18" RCP OUT = 216.11 (16704)

#16704
TOP = 218.37
18" RCP IN = 211.60 (16639)
18" RCP OUT = 211.03 (16744)

#16744
TOP = 211.40
18" RCP OUT = 205.25 (16704)

#28469
TOP = 245.41
15" RCP OUT = 243.26 (16599)

#29608
INV. 18" CMP = 252.36 (29609)

#29609
INV. 18" CMP = 248.93 (29608)

#29610
TOP = 257.71
10" PVC OUT = 254.84 (29611)

#29611
INV. 10" PVC = 252.49 (29610)

GRAPHIC SCALE
25 0 25
SCALE: 1" = 25'

1-C-102
SHEET 2 OF 2

ARLINGTON
VIRGINIA

DEPARTMENT OF
ENVIRONMENTAL SERVICES
Engineering Bureau - Survey Section
2100 Clarendon Boulevard, Suite 813
Arlington, VA 22201

THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF STEVEN J. LEARNARD, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED FROM 9/2019 TO 10/2019; AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.

COMMONWEALTH OF VIRGINIA
12-5-2019
STEVEN J. LEARNARD
Lic. No. 2380
LAND SURVEYOR

HORIZONTAL DATUM:	VIRGINIA COORDINATE SYSTEM 1983.
VERTICAL DATUM:	NORTH AMERICAN VERTICAL DATUM 1988.
CONTOUR INTERVAL:	1'
UNIT OF MEASURE:	U.S. SURVEY FOOT
SCALE:	1" = 25'
PREPARED FOR:	ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES

THE DIMENSIONS OF THE INTERIOR COURTYARDS AND BOILER ROOM ARE APPROXIMATE.

BOUNDARY INFORMATION SHOWN HEREON IS FROM AN EXISTING ALTA/NSPS LAND TITLE SURVEY PREPARED BY ARLINGTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES DATED APRIL 4, 2016.

PARTY CHIEF: SHRADER
SURVEY PM: LEARNARD
PROJECT: 7027/CS20

TOPOGRAPHIC SURVEY
OF
PARCEL 'A'
SUBDIVISION OF THE PROPERTIES OF
NORTHERN VIRGINIA DOCTORS HOSPITAL
AND
NVDH CORPORATION
D.B. 2022, PG. 739
ARLINGTON COUNTY, VIRGINIA

2 STORY BRICK AND BLOCK
HOSPITAL BUILDING
601 SOUTH CARLIN SPRINGS ROAD

PARCEL A
RPC 21028097
VIRGINIA HOSPITAL CENTER
ARLINGTON HEALTH SYSTEM

SITE AREA
11.5700 ACRES
503,989 SQUARE FEET

VEPCO EASEMENT
D.B. 2522, PG. 1239

5 STORY BRICK
DOCTORS OFFICE BUILDING
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

MULTI-STORY CONCRETE
PARKING STRUCTURE FOR
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

PARCEL B
RPC: 21028144
NORTHERN VIRGINIA DOCTORS
MEDICAL CENTER CONDOMINIUM

SUBDIVISION OF THE PROPERTY OF
NORTHERN VIRGINIA DOCTORS HOSPITAL CORPORATION
&
NVDH CORPORATION
D.B. 2022, PG. 739

APPROX. LOCATION C/L 15' VEPCO EASEMENT D.B. 2031, PG. 428

APPROX. LOCATION C/L 10' VEPCO EASEMENT D.B. 1562, PG. 633

APPROX. LOCATION VEPCO EASEMENT D.B. 1745, PG. 352

RPA PER COUNTY GIS DATA

STREAM CENTERLINE PER COUNTY GIS DATA

EX. 4" DOWNSPOUT (DATR)

EX. SD (DATR)

BUILDING RESTRICTION LIMITS

boiler room upper level =247.6'

boiler room mid level =236.8'

boiler room lower level =231.6'

EXISTING CONDITIONS LEGEND

FEATURE	SYMBOL
BUILDING	
CONTOURS MAJOR; MINOR	250
EASEMENT	
ELECTRIC (UNDERGROUND)	UGE
FENCE (MATERIAL NOTED)	X
PROPERTY LINE	
SANITARY SEWER	SAN
X" SANITARY SEWER (SIZE INCLUDED IF AVAILABLE)	8" S
STORM (SIZE NOTED)	STM
TELEPHONE (UNDERGROUND)	UGT
WALL	
WATER	8" W
EDGE OF CONC.	
CURB	
RESOURCE PROTECTION AREA	RPA
STREAM CENTERLINE	
BUILDING RESTRICTION LIMITS FOR PUBLIC UTILITIES	
ELECTRIC BOX	E
FIRE HYDRANT	
GAS VALVE	
GROUND LIGHT	
GUY WIRES	
IRON PIPE OR PIN	
LIGHT POLE	
SANITARY MANHOLE	
STORM BASIN	
STORM MANHOLE	
TRAFFIC CONTROL BOX	
SIGN	
TRAVERSE	
TREES, WOODED AREA	
UTILITY MANHOLE TYPE INDICATED ELECTRIC, TELE, ETC	
UTILITY POLE	
WATER MANHOLE	
WATER VALVE	
DROP INLET	
ROOF DRAIN (DATR)	RD

STORM TABLE

#16431
TOP = 235.91
15" RCP IN = 232.63** (16357)
15" RCP OUT = 232.09 (16560)

#16560
TOP = 228.76
15" RCP IN = 222.96 (16431)
15" RCP OUT = 222.86 (16560)

#16599
TOP = 248.06
10" CMP IN = 244.91 (ROOF DRAIN)
15" RCP IN = 241.18 (28469)
15" RCP OUT = 241.16 (16639)

#16639
TOP = 222.71
15" RCP IN = 216.64** (16560)
15" RCP IN = 218.03** (16599)
18" RCP OUT = 216.11 (16704)

#16704
TOP = 218.37
18" RCP IN = 211.60 (16639)
18" RCP OUT = 211.03 (16744)

#16744
TOP = 211.40
18" RCP OUT = 205.25 (16704)

#28469
TOP = 245.41
15" RCP OUT = 243.26 (16599)

#29608
INV. 18" CMP = 252.36 (29609)

#29609
INV. 18" CMP = 248.93 (29608)

#29610
TOP = 257.71
10" PVC OUT = 254.84 (29611)

#29611
INV. 10" PVC = 252.49 (29610)

#2075
TOP = 252.54
15" RCP IN = 248.12** (16077)
24" RCP IN = 245.09** (16066)
24" RPC OUT = 244.99** (16116)

#16066
TOP = 252.98
24" RCP OUT = 245.88 (2075)

#16077
TOP = 252.17
15" RCP OUT = 247.34 (2075)

#16087
TOP = 254.16
21" RCP IN = 246.73 (16092)
21" RCP OUT = 246.66 (16116)

#16092
TOP = 254.79
21" RCP IN = 247.14 (16073)
21" RCP OUT = 247.04 (16087)

#16116
TOP = 249.91
21" RCP IN = 243.68** (16087)
24" RCP IN = 242.96** (2075)
36" RCP OUT = 241.55** (16128)

#16357
TOP = 247.66
15" RCP IN = 243.84 (16337)
15" RCP IN = 244.16 (16316)
15" RCP OUT = 243.31 (16431)

#16128
INV. 36" RCP = 239.44 (16116)

#16173
INV. 10" CMP = 238.30 (16201)

#16201
INV. 10" CMP = 232.04 (16173)

#16316
TOP = 249.53
8" PVC IN = 245.03 (EAST)
15" RCP OUT = 244.98 (16357)

#16337
TOP = 249.12
15" RCP OUT = 246.07 (16357)

#10588
TOP = 247.71
8" PVC OUT = 245.60 (200120)

#10797
TOP = 247.58
4" PVC IN = 246.27 (ROOF DRAIN)
10" PVC IN = 244.66 (10825)
8" PVC OUT = 244.03 (WEST)

#10825
TOP = 246.65
4" PVC IN = 245.65 (ROOF DRAIN)
10" PVC OUT = 245.00 (10797)

#20012
TOP = 247.49
8" PVC IN = 242.79 (EAST)
10" PVC IN = 242.94 (10588)
12" RCP OUT = 242.465 (20023)

#20023
TOP = 248.10
12" RCP IN = 237.00 (20012)
12" RCP OUT = 236.45 (S.W.)

SANITARY TABLE

#10168
TOP = 248.34
INV = 241.00

#13000
TOP = 212.76
INV = 204.36

#13001 (DATR)
TOP = UNKNOWN
INV = 204.30

#10165
TOP = 237.73
INV = 229.43

#10166 (DATR)
TOP = UNKNOWN
INV = 244.25

#13002 (DATR)
TOP = UNKNOWN
INV = 202.00

#12999
TOP = 234.64
INV = 227.49

#14918 (DATR)
TOP = 257.30
INV = 244.87

SCALE: 1"=20'

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

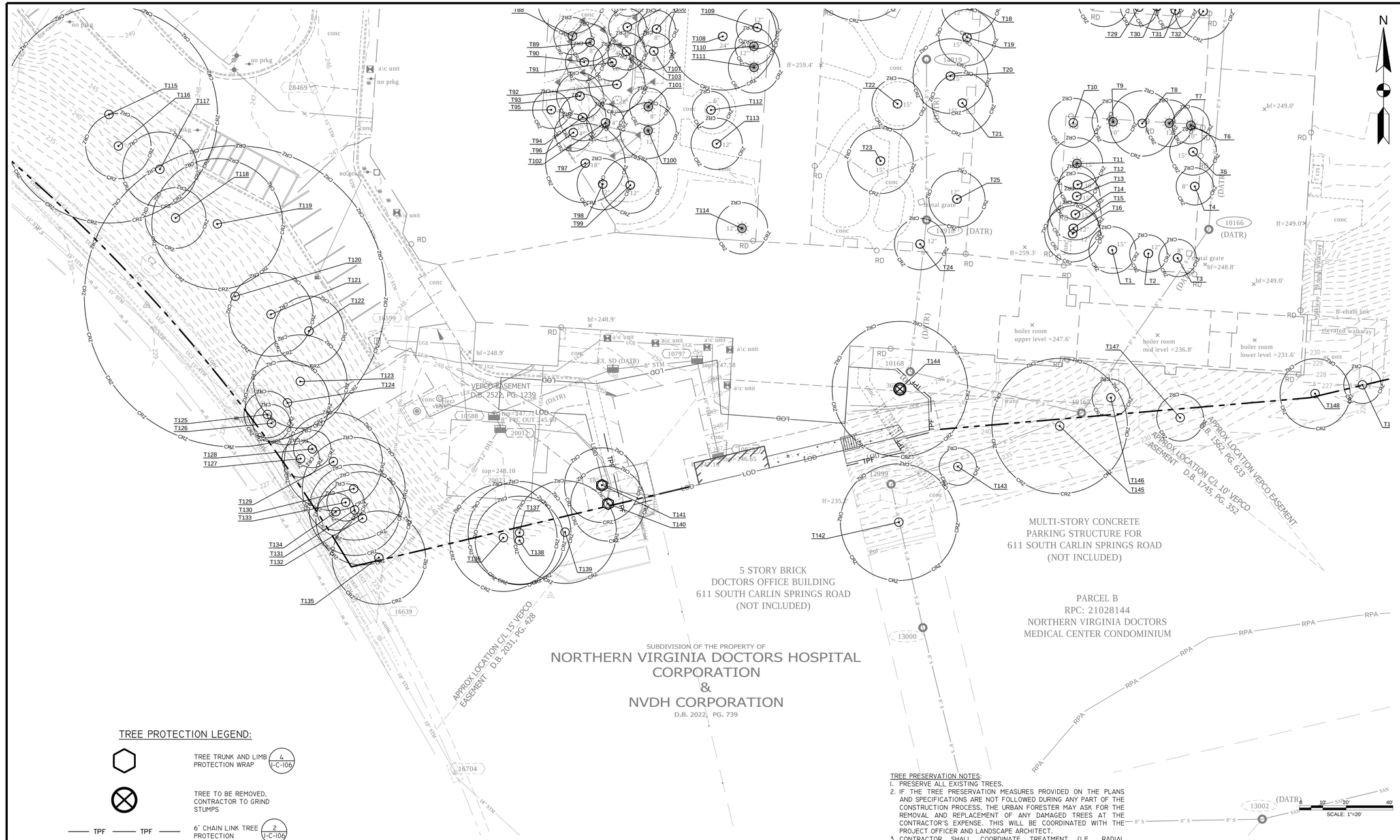
PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

EXISTING CONDITIONS PLAN

1-C-103

SHEET 04 OF 20



TREE PROTECTION LEGEND:

- TREE TRUNK AND LIMB PROTECTION WRAP — 4 / I-C-106
- TREE TO BE REMOVED, CONTRACTOR TO GRIND STUMPS
- TPF — TPF — 6' CHAIN LINK TREE PROTECTION — 2 / I-C-106
- RP — RP — ROOT PRUNING — 3 / I-C-106
- CRZ — CRZ — CRITICAL ROOT ZONE

TREE PRESERVATION NOTES:

1. PRESERVE ALL EXISTING TREES.
2. IF THE TREE PRESERVATION MEASURES PROVIDED ON THE PLANS AND SPECIFICATIONS ARE NOT FOLLOWED DURING ANY PART OF THE CONSTRUCTION PROCESS, THE URBAN FORESTER MAY ASK FOR THE REMOVAL AND REPLACEMENT OF ANY DAMAGED TREES AT THE CONTRACTOR'S EXPENSE. THIS WILL BE COORDINATED WITH THE PROJECT OFFICER AND LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL COORDINATE TREATMENT (I.E., RADIAL TRENCHING, SUPERSONIC AIR TOOL DECOMPACTION, SOIL COMPOST AMENDMENT, ROOT PRUNING) OF EXISTING TREES WITH COUNTY AS DEEMED NECESSARY.
4. SEE TREE SCHEDULE AND PRESERVATION SUMMARY ON I-C-107 FOR TREE-BY-TREE LIST OF PROPOSED TREE PRERVATION MEASURES.
5. SEE TREE PROTECTION DETAILS ON I-C-106.
6. SEE DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
7. ARLINGTON COUNTY URBAN FORESTER RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO TREE PROTECTION MEASURES BASED ON CONDITIONS ENCOUNTERED IN THE FIELD.
8. ALL ADJUSTMENTS TO THIS PLAN SHALL BE APPROVED BY URBAN FORESTER PRIOR TO SITE WORK.
9. AN INDEPENDENT ARBORIST, HIRED BY THE GENERAL CONTRACTOR, SHALL BE ON-SITE DURING DEMOLITION OF EXISTING PLAYGROUND TO MONITOR TREE PRESERVATION MEASURES. INDEPENDENT ARBORIST SHALL OVERSEE DEMOLITION WITHIN CRITICAL ROOT ZONES AND REPORT TO DPR FORESTRY STAFF WITH REGULAR COMMUNICATION AND WEEKLY WRITTEN REPORT, INCLUDING PHOTOGRAPHS, NOTES, PRESERVATION UPDATES AND CONSTRUCTION PROGRESS.
10. CONTRACTOR TO NOTIFY URBAN FORESTER 72 HOURS PRIOR TO INSTALLATION OF ANY TREE PRESERVATION MEASURES SHOWN ON PLANS AND URBAN FORESTER SHALL APPROVE THE LAYOUT OF TREE PRESERVATION MEASURES.

ADDITIONAL TREE PRESERVATION NOTES:

A. GENERALLY, TREE PROTECTION FENCE IS LOCATED AT THE LIMIT OF DISTURBANCE. THEREFORE, THE LAYOUT OF LINES DEPICTING TREE PROTECTION FENCE IS DIAGRAMMATIC, AND FOR REFERENCE ONLY. PLEASE REFER TO THE TREE PRESERVATION DETAILS FOR MORE INFORMATION.
B. BEFORE ANY GRADING, DEMOLITION, SITE IMPROVEMENTS, OR OTHER DISTURBANCE (ASIDE FROM THE INSTALLATION OF TREE PROTECTION AND EROSION/SEDIMENT CONTROL DEVICES) IS PERFORMED, TREE PROTECTION MEASURES SHALL BE INSTALLED PER THE PLAN BY THE CONTRACTOR AND INSPECTED/APPROVED BY AN ARLINGTON COUNTY ARBORIST.
C. THIS PLAN IS FOR TREE PROTECTION/FOREST CONSERVATION PURPOSES ONLY.
D. IF TREE PROTECTION MEASURES PROVIDED ON THE PLANS AND SPECIFICATIONS ARE NOT FOLLOWED DURING ANY PART OF THE CONSTRUCTION PROCESS, THE URBAN FORESTER MAY ASK FOR THE REMOVAL AND REPLACEMENT OF TREES AT THE CONTRACTOR'S EXPENSE. THIS WILL BE COORDINATED WITH THE PROJECT OFFICER.
E. SEE THE FOLLOWING FOR ADDITIONAL TREE PRESERVATION NOTES, INFORMATION AND REQUIREMENTS:
   E.A. TREE PRESERVATION SPECIFICATION
   E.B. DEMOLITION PLAN

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
ANDREW STREAGLE
Cert. No. 0406001533
06.18.2021
LANDSCAPE ARCHITECT

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

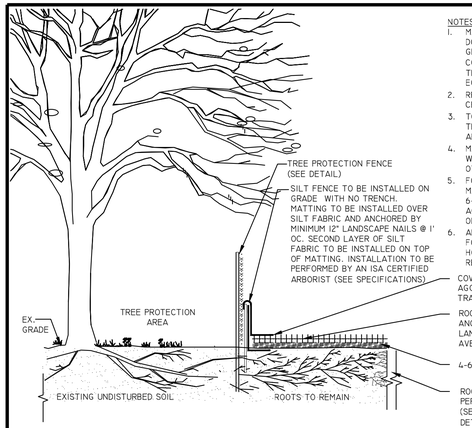
PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

TREE PRESERVATION PLAN

1-C-104

SHEET 05 OF 20



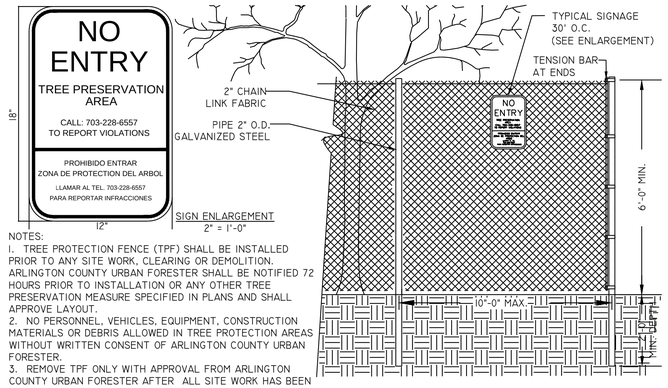
NOTES:

1. "MATTING MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENAX TENDRAIN 770/2) OR APPROVED EQUIVALENT.
2. RPM SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
3. TO BE USED FOR DESIGNATED TEMPORARY CONSTRUCTION ACCESS AND STOCKPILE AREAS.
4. MATTING SHALL BE PLACED ON 4-6" WOOD CHIP MULCH UNLESS OTHERWISE DIRECTED.
5. FOR HEAVY TRAFFIC AREAS, MATTING SHALL BE COVERED WITH 6-8" WELL GRADED CRUSHED AGGREGATE. ADDITIONAL LAYERS OF GEOTEXTILE MAY BE NEEDED.
6. ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO INSTALLATION AND REMOVAL.

1 TEMPORARY ROOT PROTECTION MATTING WITHIN CRZ

311300.2INS

NOT TO SCALE

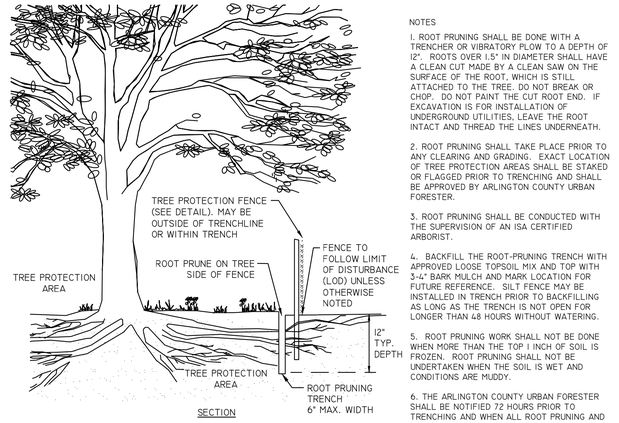


NOTES:

1. TREE PROTECTION FENCE (TPF) SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION. ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO INSTALLATION OR ANY OTHER TREE PRESERVATION MEASURE SPECIFIED IN PLANS AND SHALL APPROVE LAYOUT.
2. NO PERSONNEL, VEHICLES, EQUIPMENT, CONSTRUCTION MATERIALS OR DEBRIS ALLOWED IN TREE PROTECTION AREAS WITHOUT WRITTEN CONSENT OF ARLINGTON COUNTY URBAN FORESTER.
3. REMOVE TPF ONLY WITH APPROVAL FROM ARLINGTON COUNTY URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.
4. SIGN MATERIAL TO BE WEATHER RESISTANT.

2 6" CHAIN LINK TREE PROTECTION FENCE

311300.1 (2016)



NOTES

1. ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 12". ROOTS OVER 1.5" IN DIAMETER SHALL HAVE A CLEAN CUT MADE BY A CLEAN SAW ON THE SURFACE OF THE ROOT, WHICH IS STILL ATTACHED TO THE TREE. DO NOT BREAK OR CHOP. DO NOT PAINT THE CUT ROOT END. IF EXCAVATION IS FOR INSTALLATION OF UNDERGROUND UTILITIES, LEAVE THE ROOT INTACT AND THREAD THE LINES UNDERNEATH.

2. ROOT PRUNING SHALL TAKE PLACE PRIOR TO ANY CLEARING AND GRADING. EXACT LOCATION OF TREE PROTECTION AREAS SHALL BE STAKED OR FLAGGED PRIOR TO TRENCHING AND SHALL BE APPROVED BY ARLINGTON COUNTY URBAN FORESTER.

3. ROOT PRUNING SHALL BE CONDUCTED WITH THE SUPERVISION OF AN ISA CERTIFIED ARBORIST.

4. BACKFILL THE ROOT-PRUNING TRENCH WITH APPROVED LOOSE TOPSOIL MIX AND TOP WITH 3-4" BARK MULCH AND MARK LOCATION FOR FUTURE REFERENCE. SILT FENCE MAY BE INSTALLED IN TRENCH PRIOR TO BACKFILLING AS LONG AS THE TRENCH IS NOT OPEN FOR LONGER THAN 48 HOURS WITHOUT WATERING.

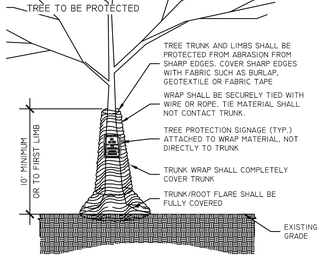
5. ROOT PRUNING WORK SHALL NOT BE DONE WHEN MORE THAN THE TOP 1 INCH OF SOIL IS FROZEN. ROOT PRUNING SHALL NOT BE UNDERTAKEN WHEN THE SOIL IS WET AND CONDITIONS ARE MUDDY.

6. THE ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO TRENCHING AND WHEN ALL ROOT PRUNING AND TREE PROTECTION FENCE INSTALLATION IS COMPLETE.

3 ROOT PRUNING

311300.5 (2019)

N.T.S.



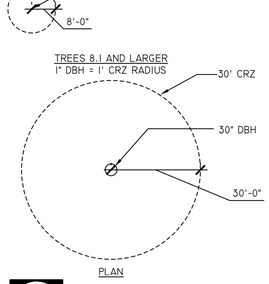
NOTES:

1. TRUNK WRAP MATERIAL SHALL BE DOUBLE SIDED GEOCOMPOSITE, GEONET CORE WITH NON-WOVEN COVERING (SUCH AS TENAX TENDRAIN 770/2) OR AN APPROVED EQUAL.
2. WRAP SHALL BE INSTALLED BY A CERTIFIED ARBORIST.
3. WRAP SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING OR DEMOLITION.
4. WRAP SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. REMOVE WRAP ONLY WITH APPROVAL AND AFTER ALL SITE WORK HAS BEEN COMPLETED. ARLINGTON COUNTY URBAN FORESTER SHALL BE NOTIFIED 72 HOURS PRIOR TO REMOVAL.
5. WRAP SHALL BE REMOVED PROMPTLY AFTER CONSTRUCTION.
6. MAJOR SCAFFOLD LIMBS MAY ALSO REQUIRE THIS PROTECTION AS DIRECTED BY THE PROJECT ARBORIST OR REQUESTED BY ARLINGTON COUNTY URBAN FORESTER.
7. WRAP SHALL EXTEND AS HIGH AS ADJACENT MACHINERY THAT IS WORKING ADJACENT TO TREES. PROJECT ARBORIST AND ARLINGTON COUNTY URBAN FORESTER MAY REQUIRE DOUBLE WRAP OR HEAVY DUTY WRAP IN AREAS OF MAJOR EXCAVATION.

4 TREE TRUNK AND LIMB PROTECTION WRAP

311300.15NS (2019)

N.T.S.



NOTES:

1. GRAPHICALLY, THE CRITICAL ROOT ZONE (CRZ) IS REPRESENTED AS A CIRCULAR REGION MEASURED OUTWARD FROM A TREE TRUNK REPRESENTING THE AREA OF ROOTS THAT MUST BE MAINTAINED OR PROTECTED FOR THE TREE'S SURVIVAL.

2. THE CRZ OF A TREE IS THE ZONE IN WHICH THE MAJORITY OF THE ROOTS LAY. 95% OF THE ROOTS OF MOST TREES WILL BE FOUND IN THE UPPER 12-18" OF THE SOIL. MOST OF THE ROOTS THAT SUPPLY THE NUTRIENTS AND WATER TO THE TREE ARE FOUND JUST BELOW THE SOIL SURFACE. THE TOTAL AMOUNT OF A TREE'S ROOTS ARE GENERALLY PROPORTIONAL TO THE VOLUME OF THE TREE'S CANOPY. THEREFORE, IF THE ROOTS ONLY PENETRATE A THIN LAYER OF SOIL, THEN THE ROOTS MUST SPREAD FAR FROM THE TREE, BEYOND THE EXTENSION OF THE CANOPY.

3. PLOT ACCURATE TRUNK LOCATIONS OF ALL TREES GREATER THAN 3" DIAMETER AT BREAST HEIGHT (DBH) AND/OR TREE STANDS WITHIN DEVELOPMENT AREAS ON ALL PLANS FOR THE PROJECT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.

4. PLOT ACCURATE TRUNK LOCATIONS OF OFFSITE TREES WHICH WILL HAVE THEIR CRZ AFFECTED BY DEVELOPMENT AND DELINEATE THEIR ESTIMATED CRITICAL ROOT ZONE.

5 TREE PROTECTION DETAIL FOR DETERMINING CRITICAL ROOT ZONE

311300.3 (2019)

N.T.S.

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
ANDREW STREAGLE
Cert. No. 0406001533
LANDSCAPE ARCHITECT
06.18.2021

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

TREE PRESERVATION DETAILS

1-C-106

SHEET 06 OF 20

Tree Condition Summary

Tree #	Scientific Name	Common Name	D.B.H	Critical Root Zone	AMT Tree Condition Rating	COR Tree Condition Rating	Comments
	(see note 1)		(inches)	(Sq. Ft.)			(see note 2)
T1	*Ilex cornuta 'Burfordii'*	Burford holly	10.0	707	88		Multi-trunk (4, 2, 2, 6, 4, 4, 2, 2), growing on slope
T2	*Ilex × attenuata 'Fosteri'*	Foster's holly	8.0	452	88		Multi-trunk (5, 3, 3, 4), growing on slope
T3	*Ilex cornuta 'Burfordii'*	Burford holly	4.0	113	73		Multi-trunk (2, 2.5, 3), broken limbs
T4	*Pyracantha coccinea*	Firethorn	6.0	254	84		Multi-trunk (1, 1, 3, 3, 2.5, 3), growing on slope
T5	*Pyracantha coccinea*	Firethorn	10.0	707	84		Multi-trunk (7, 3, 5, 3, 3)
T6	*Chamaecyparis pisifera*	False cypress	5.0	177	78		Multi-trunk (3, 3, 3)
T7	*Chamaecyparis pisifera*	False cypress	10.0	707	78		Multi-trunk (5, 4, 4, 7)
T8	*Cupressus x leylandii*	Leyland cypress	14.0	1385	78		
T9	*Cupressus x leylandii*	Leyland cypress	9.0	573	78		
T10	*Ilex cornuta 'Burfordii'*	Burford holly	10.5	779	59		wounds on trunk
T11	*Chamaecyparis pisifera*	False cypress	11.0	855	78		Multi-trunk (5, 7, 4, 3, 4)
T12	*Chamaecyparis pisifera*	False cypress	7.0	346	78		Multi-trunk (5, 5)
T13	*Chamaecyparis pisifera*	False cypress	10.0	707	78		Multi-trunk (3, 8, 4, 3)
T14	*Chamaecyparis pisifera*	False cypress	11.0	855	78		Multi-trunk (5, 7, 5, 4, 3)
T15	*Chamaecyparis pisifera*	False cypress	11.0	855	78		Multi-trunk (6, 8, 5)
T16	*Cupressus x leylandii*	Leyland cypress	12.0	1018	80		broken limbs
T17	*Prunus yedoensis*	Yoshino cherry	24.0	4072	67		compacted root zone
T18	*Juniperus virginiana*	Eastern red cedar	12.0	1018	78		
T19	*Juniperus virginiana*	Eastern red cedar	12.0	1018	73		leaning
T20	*Juniperus virginiana*	Eastern red cedar	16.0	1810	73		Multi-trunk (12, 10), leaning
T21	*Juniperus virginiana*	Eastern red cedar	13.0	1195	73		leaning
T22	*Lagerstroemia indica*	Crape myrtle	11.0	855	94		Multi-trunk (4, 4, 5, 6, 6)
T23	*Fraxinus pennsylvanica*	Green ash	14.0	1385	83		broken limbs
T24	*Cupressus x leylandii*	Leyland cypress	11.0	855	78		
T25	*Juniperus virginiana*	Eastern red cedar	12.0	1018	78		
T26	*Pyracantha coccinea*	Firethorn	14.0	1385	81		Multi-trunk (3, 3, 4, 1, 5, 6, 1, 3, 1, 7, 1, 6, 1)
T27	*Pyracantha coccinea*	Firethorn	13.0	1195	81		Multi-trunk (2, 4, 2, 1, 1, 7, 5, 4, 4, 3, 1, 4)
T28	*Ilex opaca*	American holly	11.0	855	77		Multi-trunk (7, 9), wound in trunk
T29	*Cupressus x leylandii*	Leyland cypress	8.0	452	69		Multi-trunk (2, 2, 7), broken limbs
T30	*Cupressus x leylandii*	Leyland cypress	10.0	707	72		cut limbs
T31	*Cupressus x leylandii*	Leyland cypress	8.0	452	69		multi-trunk (1, 8), broken limbs
T32	*Cupressus x leylandii*	Leyland cypress	12.0	1018	69		multi-trunk (5, 7, 7, 5), cut limbs
T33	*Pyrus calleryana 'Bradford'*	Bradford pear	14.0	1385	89		
T34	*Lagerstroemia indica*	Crape myrtle	9.0	573	84		multi-trunk (4, 5, 6, 3)
T35	*Lagerstroemia indica*	Crape myrtle	5.0	177	81		multi-trunk (3, 4)
T36	*Prunus yedoensis*	Yoshino cherry	4.0	113	89		
T37	*Lagerstroemia indica*	Crape myrtle	7.0	346	84		multi-trunk (2, 2, 3, 4, 4)
T38	*Lagerstroemia indica*	Crape myrtle	6.0	254	84		multi-trunk (4, 4)
T39	*Lagerstroemia indica*	Crape myrtle	4.0	113	84		multi-trunk (1, 1, 2, 3)
T40	*Pyrus calleryana 'Bradford'*	Bradford pear	10.0	707	84		broken limbs
T41	*Pyrus calleryana 'Bradford'*	Bradford pear	9.0	573	84		
T42	*Pyrus calleryana 'Bradford'*	Bradford pear	8.5	511	84		
T43	*Pyrus calleryana 'Bradford'*	Bradford pear	11.0	855	84		
T44	*Lagerstroemia indica*	Crape myrtle	6.0	254	83		multi-trunk (3, 3, 4)
T45	*Lagerstroemia indica*	Crape myrtle	8.0	452	83		multi-trunk (5, 5, 4)
T46	*Acer saccharinum*	Silver maple	14.5	1486	81		
T47	*Acer saccharinum*	Silver maple	16.0	1810	81		
T48	*Acer saccharinum*	Silver maple	13.0	1195	81		
T49	*Acer saccharinum*	Silver maple	14.0	1385	81		
T50	*Acer saccharinum*	Silver maple	13.5	1288	81		
T51	*Acer saccharinum*	Silver maple	14.0	1385	81		
T52	*Acer saccharinum*	Silver maple	16.5	1924	81		
T53	*Acer saccharum*	Silver maple	17.0	2043	81		
T54	*Juniperus virginiana*	Eastern red cedar	16.0	1810	78		ivy on trunk, broken limbs
T55	*Pinus virginiana*	Virginia pine	18.0	2290	77		browning needles, broken limbs, ivy on trunk
T56	*Pinus virginiana*	Virginia pine	15.0	1590	73		no needles, ivy on trunk, broken limbs
T57	*Pinus virginiana*	Virginia pine	4.0	113	75		ivy on trunk, broken limbs, browning needles
T58	*Juniperus virginiana*	Eastern red cedar	24.0	4072	78		multi-trunk (16, 18), ivy on trunk, broken limbs
T59	*Pinus virginiana*	Virginia pine	9.0	573	70		no needles, ivy on trunk, wound on trunk
T60	*Pinus virginiana*	Virginia pine	9.0	573	75		ivy on trunk, broken limbs, browning needles
T61	*Pinus virginiana*	Virginia pine	17.0	2043	75		ivy on trunk, broken limbs, browning needles
T62	*Pyrus calleryana 'Bradford'*	Bradford pear	24.0	4072	84		multi-trunk (12, 11, 18), broken limbs
T63	*Pinus virginiana*	Virginia pine	14.0	1385	83		broken limbs
T64	*Pyrus calleryana 'Bradford'*	Bradford pear	24.0	4072	78		wound in trunk, broken limbs
T65	*Pinus virginiana*	Virginia pine	10.0	707	80		broken limbs
T66	*Pinus virginiana*	Virginia pine	14.0	1385	80		broken limbs, ivy on trunk
T67	***Quercus rubra***	**Red oak**	**30.0**	**6362**	**88**		
T68	*Acer saccharinum*	Silver maple	22.0	3421	84		compacted root zone
T69	***Quercus rubra***	**Red oak**	**38.0**	**10207**	**80**		**compacted root zone, broken limbs**
T70	*Acer rubrum*	Red maple	10.0	707	81		
T71	*Acer rubrum*	Red maple	16.0	1810	77		compacted root zone
T72	*Acer rubrum*	Red maple	19.0	2552	80		
T73	*Ilex cornuta 'Burfordii'*	Burford holly	9.0	573	86		multi-trunk (7, 5), ivy at base
T74	*Ilex x 'Nellie R. Stevens'*	Nellie Stevens holly	10.0	707	100		
T75	*Ilex x 'Nellie R. Stevens'*	Nellie Stevens holly	10.0	707	100		
T76	*Ilex x 'Nellie R. Stevens'*	Nellie Stevens holly	10.0	707	100		
T77	*Ilex x 'Nellie R. Stevens'*	Nellie Stevens holly	10.0	707	100		
T78	*Juniperus virginiana*	Eastern red cedar	10.0	707	100		
T79	*Prunus serrulata*	Flowering cherry	11.0	855	91		ivy at base
T80	*Ilex crenata*	Japanese holly	6.0	254	83		cut limbs, ivy at base
T81	*Ilex crenata*	Japanese holly	5.0	177	83		cut limbs, ivy at base
T82	*Prunus serrulata*	Flowering cherry	7.0	346	86		ivy at base, wound in trunk
T83	*Pyrus calleryana 'Bradford'*	Bradford pear	8.0	452	89		ivy at base
T84	*Juniperus virginiana*	Eastern red cedar	10.0	707	80		ivy on trunk
T85	*Juniperus virginiana*	Eastern red cedar	10.0	707	80		ivy on trunk
T86	*Ilex crenata*	Japanese holly	10.0	707	86		multi-trunk (4, 7, 6)
T87	*Quercus palustris*	Pin oak	14.0	1385	88		
T88	*Cercis canadensis*	Redbud	8.0	452	88		multi-trunk (4 ,4, 5)
T89	*Betula nigra*	River birch	7.0	346	88		multi-trunk (6, 3)
T90	*Cercis canadensis*	Redbud	7.0	346	88		multi-trunk (6, 4)
T91	*Betula nigra*	River birch	6.0	254	88		multi-trunk (4, 5)
T92	*Betula nigra*	River birch	12.0	1018	92		multi-trunk (11, 5)
T93	*Pyrus calleryana 'Bradford'*	Bradford pear	10.0	707	88		wound in trunk
T94	*Pyrus calleryana 'Bradford'*	Bradford pear	10.0	707	89		
T95	*Cornus florida*	Flowering dogwood	5.0	177	88		multi-trunk (3, 3.5)
T96	*Pyrus calleryana 'Bradford'*	Bradford pear	5.0	177	86		
T97	*Cercis canadensis*	Redbud	17.0	2043	88		multi-trunk (8, 8, 7, 11)
T98	*Robinia pseudoacacia*	Black locust	11.0	855	86		epicormic growth
T99	*Robinia pseudoacacia*	Black locust	12.0	1018	88		
T100	*Robinia pseudoacacia*	Black locust	12.0	1018	88		
T101	*Cornus kousa*	Kousa dogwood	7.0	346	88		multi-trunk (2.5, 3.5, 6)
T102	*Acer rubrum*	Red maple	4.0	113	88		
T103	*Cercis canadensis*	Redbud	3.0	64	88		
T104	*Quercus palustris*	Pin oak	7.0	346	88		
T105	*Acer rubrum*	Red maple	7.0	346	86		wound in trunk
T106	*Acer rubrum*	Red maple	7.0	346	86		wound in trunk
T107	*Pyrus calleryana 'Bradford'*	Bradford pear	7.0	346	88		
T108	*Lagerstroemia indica*	Crape myrtle	23.0	3739	100		multi-trunk (3, 5, 7, 7, 7, 5, 7, 7, 10, 7, 6, 6)
T109	*Juniperus virginiana*	Eastern red cedar	9.0	573	78		multi-trunk (2, 4, 6, 5)
T110	*Juniperus virginiana*	Eastern red cedar	7.0	346	78		multi-trunk (5, 5), broken limbs
T111	*Juniperus virginiana*	Eastern red cedar	11.0	855	78		multi-trunk (3, 5, 7, 7), broken limbs
T112	*Ilex crenata*	Japanese holly	5.0	177	80		cut limbs
T113	*Robinia pseudoacacia*	Black locust	11.0	855	83		
T114	*Juniperus virginiana*	Eastern red cedar	11.0	855	80		
T115	***Prunus serotina***	**Black cherry**	**31.0**	**6793**	**88**		**growing on slope**
T116	*Prunus serotina*	Black cherry	14.0	1385	78		broken limbs, growing on slope
T117	*Prunus serotina*	Black cherry	16.0	1810	78		multi-trunk (10,12), leaning, broken limbs, growing on slope
T118	*Ilex opaca*	American holly	13.0	1195	84		growing on slope
T119	*Liriodendron tulipifera*	Tulip poplar	28.0	5542	88		growing on slope
T120	***Liriodendron tulipifera***	**Tulip poplar**	**43.0**	**13070**	**88**		**growing on slope**
T121	*Prunus serotina*	Black cherry	18.0	2290	83		growing on slope
T122	*Ilex opaca*	American holly	15.0	1590	88		growing on slope
T123	*Prunus serotina*	Black cherry	20.0	2827	88		
T124	*Prunus serotina*	Black cherry	18.0	2290	45		pruned for power lines
T125	*Prunus serotina*	Black cherry	10.0	707	44		multi-trunk (7, 7), pruned for power lines
T126	*Prunus serotina*	Black cherry	7.0	346	44		pruned for power lines
T127	*Prunus serotina*	Black cherry	6.0	254	44		pruned for power lines
T128	*Carya tomentosa*	Mockernut hickory	8.0	452	88		growing on slope
T129	*Carya tomentosa*	Mockernut hickory	21.0	3117	88		growing on slope
T130	*Liriodendron tulipifera*	Tulip poplar	22.0	3421	88		growing on slope
T131	*Liriodendron tulipifera*	Tulip poplar	19.5	2688	88		growing on slope
T132	*Liriodendron tulipifera*	Tulip poplar	20.0	2827	88		growing on slope
T133	*Prunus serotina*	Black cherry	8.0	452	44		pruned for power lines
T134	*Prunus serotina*	Black cherry	8.0	452	44		pruned for power lines
T135	*Prunus serotina*	Black cherry	20.0	2827	44		pruned for power lines
T136	*Prunus serotina*	Black cherry	23.0	3739	50		multi-trunk (15,18), leaning, covered in ivy, growing on slope
T137	*Prunus serotina*	Black cherry	22.0	3421	50		leaning, covered in ivy, growing on slope
T138	*Prunus serotina*	Black cherry	19.0	2552	50		leaning, covered in ivy, growing on slope
T139	*Liriodendron tulipifera*	Tulip poplar	22.0	3421	50		covered in ivy
T140	*Prunus serotina*	Black cherry	16.0	1810	50		covered in ivy
T141	*Pinus virginiana*	Virginia pine	16.0	1810	59		covered in ivy
T142	*Prunus yedoensis*	Yoshino cherry	25.0	4418	78		girdled roots, stripped bark
T143	*Cornus florida*	Flowering dogwood	8.0	452	75		on slope
T144	*Cornus kousa*	Kousa dogwood	29.0	5945	77		leaning, compacted root zone
T145	*Cornus kousa*	Kousa dogwood	29.0	5945	75		covered in ivy
T146	*Ailanthus altissima*	Tree of heaven	5.0	177	75		multi-trunk (3, 2, 4), leaning, ivy on trunk
T147	*Cornus florida*	Flowering dogwood	10.0	707	77		multi-trunk (1, 6, 8), ivy on trunk
T148	*Pinus virginiana*	Virginia pine	15.0	1590	88		broken limbs
T149	*Morus alba*	Mulberry	5.0	177	88		ivy at base
T150	*Quercus palustris*	Pin oak	24.0	4072	83		ivy on trunk, broken limbs
T151	*Quercus palustris*	Pin oak	16.0	1810	83		broken limbs
T152	***Carya tomentosa***	**Mockernut hickory**	**36.0**	**9161**	**84**		**ivy on trunk, broken limbs**
T153	***Quercus palustris***	**Pin oak**	**38.0**	**10207**	**80**		**broken limbs**
T154	*Quercus rubra*	Red oak	16.0	1810	83		broken limbs
T155	*Quercus rubra*	Red oak	20.0	2827	83		broken limbs
T156	*Quercus rubra*	Red oak	20.0	2827	80		vines on trunk, broken limbs
T157	*Quercus alba*	White oak	20.0	2827	80		broken limbs
T158	*Morus alba*	Mulberry	9.0	573	77		multi-trunk (7, 4, 5)
T159	*Catalpa speciosa*	Catalpa	15.0	1590	58		multi-trunk (8, 9, 9), growing in concrete, girdled roots
T160	*Quercus alba*	White oak	23.0	3739	78		leaning, growing on slope
T161	*Liriodendron tulipifera*	Tulip poplar	25.0	4418	88		multi-trunk (18,18), growing on slope
T162	*Acer rubrum*	Red maple	17.0	2043	88		growing on slope
T163	*Acer rubrum*	Red maple	15.0	1590	75		growing on slope, leaning, broken limbs, ivy
T164	*Acer rubrum*	Red maple	14.0	1385	75		growing on slope, leaning, broken limbs, ivy
T165	*Pyrus calleryana 'Bradford'*	Bradford pear	15.0	1590	75		growing on slope, leaning, broken limbs
T166	*Juniperus virginiana*	Eastern red cedar	10.0	707	84		multi-trunk (4, 9), stripped bark
T167	*Juniperus virginiana*	Eastern red cedar	6.0	254	88		multi-trunk (4, 4), ivy on trunk
T168	*Juniperus virginiana*	Eastern red cedar	13.0	1195	88		multi-trunk (1, 5, 3.5, 7, 9), ivy on trunk
T169	*Quercus palustris*	Pin oak	21.0	3117	63		broken leaders, broken limbs, wound in trunk, ivy
T170	*Quercus alba*	White oak	32.0	7238	83		broken limbs
T171	***Quercus alba***	**White oak**	**30.0**	**6362**	**83**		**broken limbs**
T172	*Fraxinus pennsylvanica*	Green ash	24.0	4072	83		broken limbs
T173	*Fraxinus pennsylvanica*	Green ash	20.0	2827	88		
T174	*Fraxinus pennsylvanica*	Green ash	22.0	3421	88		
T175	*Juniperus virginiana*	Eastern red cedar	15.0	1590	80		broken limbs
T176	*Juniperus virginiana*	Eastern red cedar	9.0	573	78		broken limbs
T177	*Juniperus virginiana*	Eastern red cedar	18.0	2290	78		broken limbs
T178	*Juniperus virginiana*	Eastern red cedar	11.0	855	78		broken limbs
T179	*Lagerstroemia indica*	Crape myrtle	11.0	855	91		multi-trunk (5, 4, 5, 7), ivy at base
T180	*Cornus florida*	Flowering dogwood	6.5	299	84		

*** Bold Type Denotes Specimen Trees**

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
ANDREW STREAGLE
Cert. No. 0406001533
LANDSCAPE ARCHITECT
06.18.2021

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

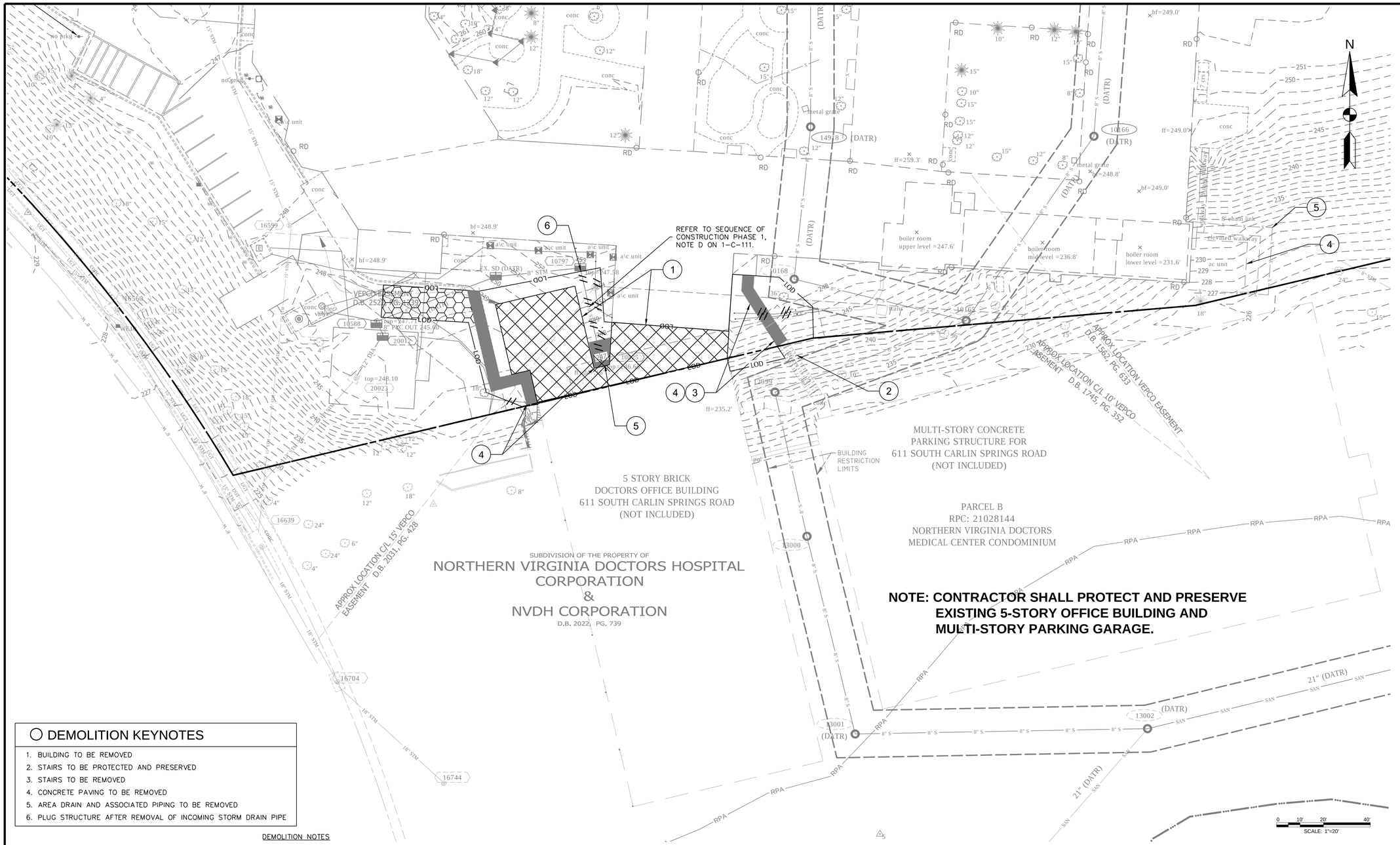
PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

EXISTING TREE TABLE-TREE CONDITION SUMMARY

1-C-107

SHEET 07 OF 20



○ DEMOLITION KEYNOTES

1. BUILDING TO BE REMOVED
2. STAIRS TO BE PROTECTED AND PRESERVED
3. STAIRS TO BE REMOVED
4. CONCRETE PAVING TO BE REMOVED
5. AREA DRAIN AND ASSOCIATED PIPING TO BE REMOVED
6. PLUG STRUCTURE AFTER REMOVAL OF INCOMING STORM DRAIN PIPE

DEMOLITION LEGEND

- LOD — LIMITS OF DISTURBANCE
- BUILDING TO BE REMOVED
- CONCRETE PAVEMENT TO BE REMOVED
- ASPHALT TO BE REMOVED
- UTILITY LINE TO BE REMOVED

DEMOLITION NOTES

1. LOCATION OF ALL UTILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY AND DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES WITHIN THE LIMIT OF DISTURBANCE PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCY TO THE PROJECT OFFICER. THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 811 A MINIMUM OF 72 HOURS PRIOR TO ANY EXCAVATION TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES.
2. THE DEMOLITION PLAN IS A GENERAL GUIDE OF WHAT ITEMS NEED TO DEMOLISHED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL ITEMS THAT REQUIRED DEMOLITION TO COMPLETE THE PROPOSED CONSTRUCTION. REFER TO THE SEQUENCE OF CONSTRUCTION ON SHEET 1-C-111 FOR ADDITIONAL NOTES RELATED TO DEMOLITION.
3. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING SITE STRUCTURES AND FEATURES NOT SCHEDULED FOR DEMOLITION AND/ OR CONSTRUCTION FROM DAMAGE DUE TO DEMOLITION PROCEDURES. ANY RESULTING DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE PROJECT OFFICER.
4. TREE PROTECTION AND CONSTRUCTION FENCE SHALL BE THE SAME WHEREVER THEY OVERLAP.
5. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR SAFETY AND SECURITY AT THE PROJECT SITE FOR THE DURATION OF THE CONTRACT.
5. CONTRACTOR SHALL COORDINATE WITH THE PROJECT OFFICER TO IDENTIFY ANY NECESSARY STAGING/STORAGE AREAS. PROPOSED STAGING AND STORAGE AREAS SHALL BE REVIEWED AND APPROVED BY THE PROJECT OFFICER, AND THE LIMITS OF WORK WILL BE ADJUSTED ACCORDINGLY.
6. ANY STOCKPILING, REGARDLESS OF LOCATION ON SITE, SHALL BE STABILIZED IMMEDIATELY AFTER ITS ESTABLISHMENT AND FOR THE DURATION OF THE PROJECT. STOCKPILES SHALL BE CONTAINED BY STRAW BALES OR EROSION CONTROL FENCING AND COVERED WITH PLASTIC OR CANVAS AT THE END OF EACH WORK DAY FOR THE DURATION OF THE PROJECT.
7. TEMPORARY CONSTRUCTION FENCING SHALL BE ERECTED AS SHOWN ON THE PLANS PRIOR TO BEGINNING CONSTRUCTION OPERATIONS AND MAINTAINED UNTIL COMPLETION OF PROJECT.
8. WHERE ITEMS TO BE REMOVED OCCUR WITHIN TREE PROTECTION ZONES, THE CONTRACTOR SHALL REMOVE THE ITEMS WORKING WITH A COUNTY ARBORIST (PROVIDED BY COUNTY) ON-SITE TO OBSERVE AND MINIMIZE TREE DAMAGE. CONTRACTOR SHALL NOTIFY THE PROJECT OFFICER FIVE BUSINESS DAYS PRIOR TO THESE REMOVALS.
9. CARE SHALL BE TAKEN TO PRESERVE EXISTING TREES AND THEIR ROOT SYSTEMS. TREES INCURRING ROOT DAMAGE DUE TO CONSTRUCTION SHALL BE PRUNED AND FERTILIZED PER THE SPECIFICATIONS.
10. NO MATERIALS OR EQUIPMENT SHALL BE PERMITTED WITHIN THE TREE PROTECTION AREA.
11. UNAUTHORIZED TREE REMOVALS, TREE DEATH OR SEVERE DAMAGE DUE TO THE CONTRACTOR'S FAILURE TO EXERCISE PROPER CARE WHEN WORKING NEAR TREES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. COUNTY ARBORIST INSPECTION IS REQUIRED PRIOR TO ANY SITE LAND DISTURBANCE ACTIVITY.
13. CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT '811' OR (800) 552-7001, 72 HOURS PRIOR TO START OF ANY EXCAVATION OR CONSTRUCTION FOR THE MARKING OF EXISTING UNDERGROUND UTILITIES.
14. DEMOLITION STAGE EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO DEMOLITION.
15. REFER TO TREE PRESERVATION DETAILS AND EROSION AND SEDIMENT CONTROL DRAWINGS FOR TREE PROTECTION AND OTHER REQUIRED TREE CARE.
16. ALL MATERIAL FROM DEMOLITION NOT IDENTIFIED FOR REUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPROPRIATE REGULATIONS.
17. ALL PAVEMENT REMOVED SHALL BE DONE SUCH THAT REMAINING PAVEMENT IS LEFT WITH CLEAN STRAIGHT EDGE. CONCRETE PAVEMENT/ CURBING SHALL BE REMOVED TO THE NEAREST JOINT.
18. EXISTING PAVEMENT SHALL BE SAW CUT WHEN NEXT TO REMAINING PAVEMENT BEFORE REMOVAL. ALL SAW CUTS SHALL BE STRAIGHT, EVEN CUTS; JAGGED CUTS WILL NOT BE PERMITTED.
19. CONCRETE REMOVAL: SHALL INCLUDE CONCRETE, STEEL REINFORCEMENT, AND GRAVEL BASE WHERE NO PROPOSED CONCRETE.
20. ASPHALT REMOVAL FOR STABILIZED CONSTRUCTION ENTRANCE SHALL INCLUDE SURFACE AND BASE MATERIALS. SUBBASE MATERIAL SHALL REMAIN.
21. CONTRACTOR SHALL PROVIDE EXISTING DAMAGE PHOTOS PRIOR TO MOBILIZING OR PERFORMING ANY WORK. LOCATIONS OF PICTURES TO BE RECORDED ON THIS SHEET.
22. TO PREVENT DAMAGES OUTSIDE THE LIMITS OF DISTURBANCE, NO AREAS OUTSIDE THE LOD SHALL BE USED FOR STAGING OR STORAGE.
23. UPON COMPLETION OF THE PROJECT, ALL EXCESS SOIL, TEMPORARY FENCING, EROSION CONTROL MEASURES, STABILIZATION MATERIALS, AND OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY. ALL PAVED AREAS, WALLS, ETC. SHALL BE THOROUGHLY WASHED AND CLEANED UPON COMPLETION OF THE PROJECT.
24. CONTRACTOR MAY USE EXISTING PARKING LOT AS A STAGING AREA DURING DEMOLITION.
25. CONTRACTOR SHALL PROTECT EXISTING LIGHT POLES TO REMAIN THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

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KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

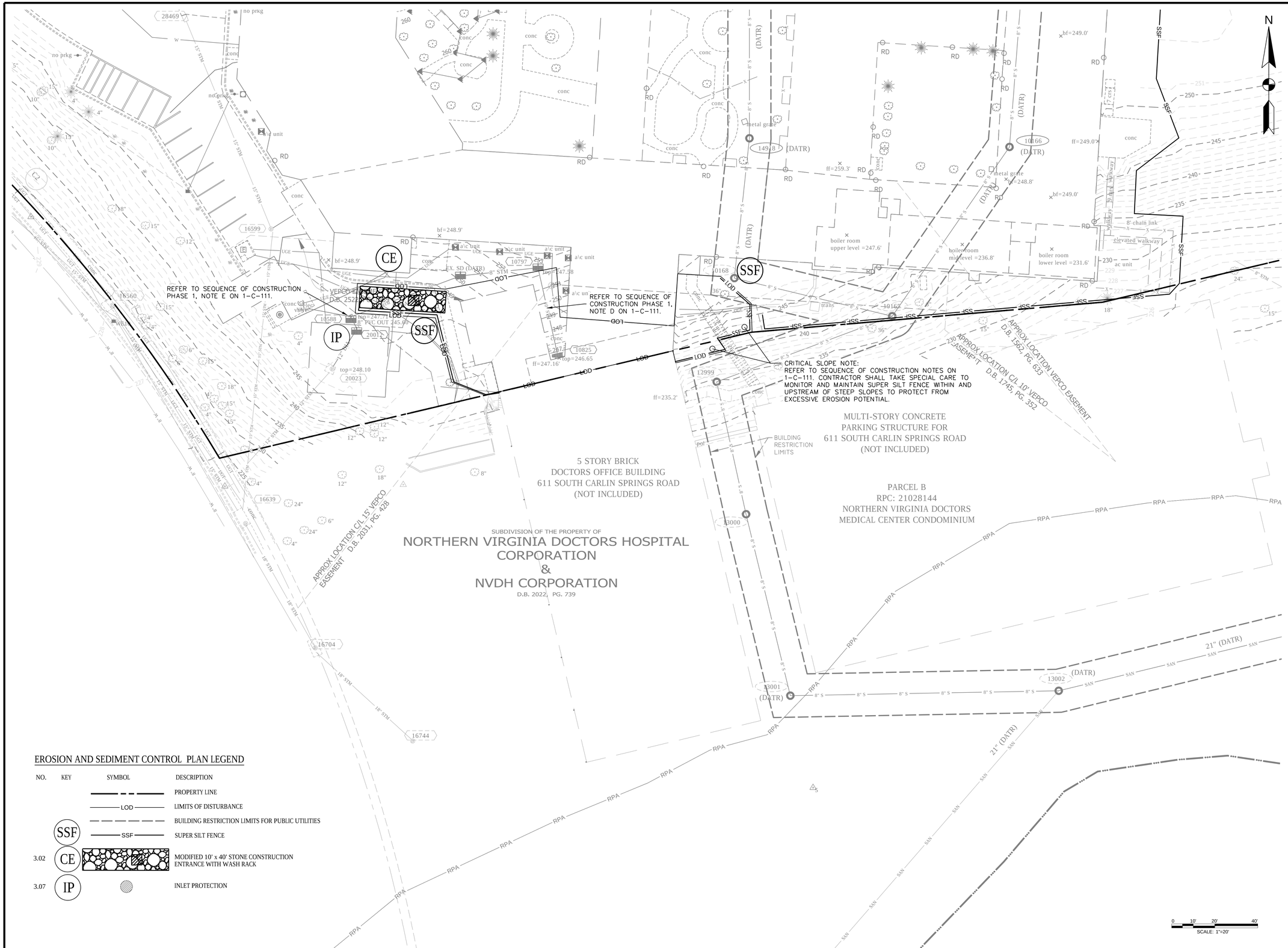
PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

DEMOLITION PLAN

1-C-108

SHEET 08 OF 20



EROSION AND SEDIMENT CONTROL PLAN LEGEND

NO.	KEY	SYMBOL	DESCRIPTION
			PROPERTY LINE
		LOD	LIMITS OF DISTURBANCE
			BUILDING RESTRICTION LIMITS FOR PUBLIC UTILITIES
	SSF	SSF	SUPER SILT FENCE
3.02	CE		MODIFIED 10' x 40' STONE CONSTRUCTION ENTRANCE WITH WASH RACK
3.07	IP		INLET PROTECTION

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EROSION & SEDIMENT CONTROL PLAN - PHASE I

1-C-109

SHEET 09 OF 20

REFER TO SEQUENCE OF CONSTRUCTION PHASE 1, NOTE E ON 1-C-111.

CRITICAL SLOPE NOTE:
REFER TO SEQUENCE OF CONSTRUCTION NOTES ON 1-C-111. CONTRACTOR SHALL TAKE SPECIAL CARE TO MONITOR AND MAINTAIN SUPER SILT FENCE WITHIN AND UPSTREAM OF STEEP SLOPES TO PROTECT FROM EXCESSIVE EROSION POTENTIAL.

5 STORY BRICK
DOCTORS OFFICE BUILDING
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

MULTI-STORY CONCRETE
PARKING STRUCTURE FOR
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

PARCEL B
RPC: 21028144
NORTHERN VIRGINIA DOCTORS
MEDICAL CENTER CONDOMINIUM

SUBDIVISION OF THE PROPERTY OF
NORTHERN VIRGINIA DOCTORS HOSPITAL CORPORATION
&
NVDH CORPORATION
D.B. 2022, PG. 739

APPROX LOCATION C/L 15' VEPCO EASEMENT D.B. 2031, PG. 428

APPROX LOCATION C/L 10' VEPCO EASEMENT D.B. 1562, PG. 633

APPROX LOCATION VEPCO EASEMENT D.B. 1745, PG. 352

BUILDING RESTRICTION LIMITS

EROSION AND SEDIMENT CONTROL PLAN LEGEND

NO.	KEY	SYMBOL	DESCRIPTION
			EASEMENT FOR EMERGENCY EGRESS PURPOSES
			PROPERTY LINE
		LOD	LIMITS OF DISTURBANCE
			BUILDING RESTRICTION LIMITS FOR PUBLIC UTILITIES
	SSF	SSF	SUPER SILT FENCE
3.02	CE		MODIFIED 10' x 40' STONE CONSTRUCTION ENTRANCE WITH WASH RACK
3.36	B/M		PROTECTIVE BLANKET / SOIL STABILIZATION MATTING
3.07	IP		INLET PROTECTION

SCALE: 1"=20'

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CONSULTANTS

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06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

EROSION & SEDIMENT CONTROL PLAN - PHASE II

1-C-110

SHEET 10 OF 20

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
LIMITED DEMOLITION OF THE 2-STORY HOSPITAL CENTER COMPLEX AND ASSOCIATED UTILITIES. SITE IMPROVEMENTS INCLUDE A NEW EGRESS STAIRWELL TO SERVE THE 5-STORY PHYSICIAN'S OFFICE BUILDING WITH NEW PEDESTRIAN SIDEWALK, STAIRS AND RETAINING WALLS TO CONNECT TO THE EXISTING ON-SITE STAIRS.

TOTAL SITE AREA: 11.5700 ACRES (503,989 SF)
AREA OF DISTURBANCE: 0.1248 ACRES (5,436 SF)

EXISTING SITE CONDITIONS
EXISTING SLOPES: 2-40%

ADJACENT PROPERTIES
NORTH: PRIVATE RESIDENCES
EAST: GLENCARLYN PARK
SOUTH: NORTHERN VIRGINIA DOCTORS MEDICAL CENTER
WEST: SOUTH CARLIN SPRINGS RD.

OFF-SITE AREAS
THERE IS NO PROPOSED OFF-SITE WORK.

SOILS
URBAN LAND-UDORTHENTS COMPLEX, 2% TO 15% SLOPES AND GLENELG-MANOR COMPLEX, 15% TO 35% SLOPES.

URBAN LAND-UDORTHENTS COMPLEX SOIL (12), AND GLENELG-MANOR COMPLEX (6D) ARE HYDROLOGIC GROUP D AND B SOILS, RESPECTFULLY.

CRITICAL EROSION AREAS
THERE IS NO RESOURCE PROTECTION AREA (RPA) PRESENT WITHIN THE LIMITS OF DISTURBANCE, BUT THERE IS RPA DOWNSTREAM OF THE LIMITS OF DISTURBANCE. SEE SHEET 1-C-704 FOR THE WATER QUALITY IMPACT ANALYSIS. THERE ARE CRITICAL SLOPES (UP TO 50%) PRESENT ALONG THE SOUTH, EAST, AND SOUTHWESTERN SIDES OF THE LIMITS OF DISTURBANCE.

THE CONTRACTOR SHALL FOLLOW THE GENERAL CONSTRUCTION PHASING SEQUENCE PROVIDED ON 1-G-102 AND REFER TO THE SEQUENCE OF CONSTRUCTION ON THIS SHEET TO LIMIT DISTURBANCE WITHIN OR ADJACENT TO CRITICAL SLOPES.

EROSION AND SEDIMENT CONTROL MEASURES
PERMANENT OR TEMPORARY SOIL STABILIZATION MUST BE APPLIED TO DENUDED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION MUST BE APPLIED WITHIN 7 DAYS TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 30 DAYS. ANY STOCKPILES MUST BE MULCHED AND SEEDED IMMEDIATELY AS DIRECTED BY THE COUNTY INSPECTOR. THERE ARE NO CRITICAL AREAS WITHIN THE LIMITS OF DISTURBANCE.

SEDIMENT CONTROL WILL BE EXECUTED THROUGH THE INSTALLATION OF SUPER SILT FENCE, INLET PROTECTION AND CONSTRUCTION ENTRANCE WITHIN THE DRAINAGE AREA OF THE LIMITS OF DISTURBANCE.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER TEMPORARY MEASURES ARE NO LONGER NEEDED.

STRUCTURAL PRACTICES

CONSTRUCTION ENTRANCE – 3.02
INSTALL A TEMPORARY CONSTRUCTION ENTRANCE WITH A WASH RACK IN THE PARKING LOT AS SHOWN. WASH ALL CONSTRUCTION VEHICLES EGRESSING FROM THE SITE AS NECESSARY TO ENSURE THAT SEDIMENT WILL NOT LEAVE THE SITE. DIRECT WASH WATER TO NEAREST SEDIMENT CONTROL DEVICE.

SUPER SILT FENCE
INSTALL SUPER SILT FENCE BARRIER DOWNSLOPE OF AREAS WITH HIGHER GRADES TO FILTER SEDIMENT-LADEN RUNOFF FROM SHEET FLOW.

INLET PROTECTION – 3.07
INSTALL SEDIMENT FILTER OR AN EXCAVATED IMPOUNDING AREA AROUND A STORM DRAIN DROP INLET OR CURB INLET.

DEWATERING STRUCTURE – 3.26
A TEMPORARY SETTLING AND FILTERING DEVICE TO FILTER SEDIMENT-LADEN WATER DISCHARGED FROM DEWATERING ACTIVITIES PRIOR TO BEING DISCHARGED OFF-SITE.

SOIL STABILIZATION BLANKETS & MATTING – 3.36
INSTALL A PROTECTIVE BLANKET COVERING OR A SOIL STABILIZATION MAT ON A PREPARED PLANTING AREA OF A STEEP SLOPE.

VEGETATIVE MEASURES
1. TOPSOILING (STOCKPILE)
TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILE LOCATIONS ARE TO BE STABILIZED WITH TEMPORARY VEGETATION WITHIN 14 DAYS.
2. TEMPORARY SEEDING
DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE WITHIN A PERIOD OF 30 DAYS WILL HAVE TEMPORARY VEGETATION ESTABLISHED. TEMPORARY VEGETATION WILL REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AND OFF-SITE AREAS. TEMPORARY SEEDING PLANT MATERIAL SHALL BE RAPIDLY GROWING PLANTS SELECTED FROM VESCH STANDARD AND SPEC. 3.31 AND TABLE 3.31-A&B. AREAS WHICH FAIL TO ESTABLISH VEGETATIVE COVER ADEQUATE TO PREVENT RILL EROSION ARE TO BE RESEEDED AS SOON AS POSSIBLE. FERTILIZER SHALL BE APPLIED AT A RATE OF 600 LBS. PER ACRE. FERTILIZER SHALL BE INCORPORATED INTO TOP 51-102mm OF SOIL. SEED SHALL BE BE EVENLY APPLIED AND SMALL GRAINS SHALL BE PLANTED NO MORE THAN 38mm DEEP. SEEDING MADE IN FALL FOR WINTER COVER AND DURING SUMMER MONTHS SHALL BE MULCHED.
3. PERMANENT SEEDING
ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE DONE WITH KENTUCKY 31 TALL FESCUE ACCORDING TO MINIMUM STANDARD #3, VESCH SPEC. 3.32-A&B. EROSION CONTROL BLANKETS ARE TO BE INSTALLED OVER FILL SLOPES, WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED. THIS WILL PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW THE SEED TO GERMINATE PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED, FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING. THE PLANTING SOIL MUST HAVE ENOUGH FINE GRAINED SOIL, SUFFICIENT PORE SPACE, SUFFICIENT DEPTH AND BE FROM FROM TOXIC OR EXCESSIVE QUANTITIES OF ROOTS AND SHALL BE APPLIED IN ACCORDANCE WITH STD. 3.30.
4. SODDING
AREAS THAT ARE TO BE SODDED SHALL BE BROUGHT TO FINAL GRADE IN ACCORDANCE WITH THE PLANS. SOIL TESTS SHOULD BE DETERMINE THE EXACT REQUIREMENTS FOR LIME AND FERTILIZER. PRIOR TO LAYING SOD, SOIL SURFACE SHALL BE CLEAR OF TRASH, DEBRIS, AND LARGE OBJECTS. QUALITY OF SOD SHALL BE STATE CERTIFIED AND ENSURE GENETIC PURITY AND HIGH QUALITY. SOD SHALL NOT BE LAID IN EXCESSIVELY WET OR DRY WEATHER AND BE DELIVERED AND INSTALLED WITHIN 36 HOURS. SOD SHOULD NOT BE LAID ON FROZEN SOIL SURFACE AND SHALL BE INSTALLED PER PLATE 3.33-1 OF THE VESCH.
5. DUST CONTROL
DUST SHALL ME MINIMIZED AS MUCH AS POSSIBLE.

SEDIMENT CONTROL – SEQUENCE OF CONSTRUCTION NARRATIVE
SEQUENCE OF CONSTRUCTION – PHASE 1, SEE SHEET 1-C-109
A. HOLD A PRE-CONSTRUCTION MEETING WITH ARLINGTON COUNTY INSPECTOR AND URBAN FORESTER.
A. INSTALL SUPER SILT FENCE (SSF), INLET PROTECTION (IP), AND CONSTRUCTION ENTRANCE (CE).
B. CONTRACTOR TO HAVE CONSTRUCTION WORKER PARKING, HAUL ROUTE, AND EXCAVATION PROTECTION PLAN APPROVED BY ARLINGTON COUNTY.
C. CONTRACTOR TO SUBMIT SEDIMENT DISPOSAL PLAN TO ARLINGTON COUNTY INSPECTOR FOR APPROVAL.
D. REMOVE AREA DRAIN AND ASSOCIATED STORM DRAIN PIPE AND PLUG DOWNSTREAM STRUCTURE AS SHOWN ON SHEET C-1-108.
E. CONTRACTOR SHALL TAKE SPECIAL CARE TO ENSURE INLET ADJACENT TO CONSTRUCTION ENTRANCE IS PROTECTED. CONTRACTOR SHALL PREVENT SEDIMENT FROM LEAVING THE LOD TO THE EXTENT POSSIBLE, BUT ANY SEDIMENT TRACKED BEYOND THE LOD SHALL BE CLEANED EVERY DAY.
F. DEMOLISH AND REMOVE EXISTING PAVEMENT, VEGETATION AND BUILDING ONLY WITHIN THE IMMEDIATE VICINITY OF THE STAIRWELL ADDITION AS SHOWN ON SHEET C-1-108.
G. COMPLETE THE FINAL BUILDING IMPROVEMENTS AND IMMEDIATELY STABILIZE THE SURROUNDING VEGETATIVE AREAS PRIOR TO INITIATING DEMOLITION AND GRADING ACTIVITIES FOR THE NEW SIDEWALK, STAIRS AND RETAINING WALLS AS DESCRIBED IN PHASE 2.

SEQUENCE OF CONSTRUCTION – PHASE 2, SEE SHEET 1-C-110
A. ALL SEDIMENT AND EROSION CONTROL DEVICES INSTALLED AS PART OF PHASE 1 SHALL REMAIN IN PLACE AND FUNCTIONING, UNLESS OTHERWISE DIRECTED BY THE INSPECTOR.
B. ROUGH GRADE REMAINING SITE AREA WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON SHEET ON SHEET 1-C-113 AND IMMEDIATELY STABILIZE. CONTRACTOR TO INSTALL SOIL STABILIZATION BLANKET OR MATTING IN THE AREAS INDICATED ON SHEET 1-C-110.
C. EXCAVATE ALL AREAS TO BE PAVED TO A SUITABLE SUBGRADE. INSTALL STONE SUBBASE, RETAINING WALLS, STAIRS AND PROPOSED PAVING.
D. UPON FINAL STABILIZATION OF THE SITE WITH ESTABLISHED VEGETATION AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE REMAINING SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS PROCESS.

MAINTENANCE
A. ALL CONTROLS ARE TO BE INSPECTED ON A DAILY BASIS BY THE SITE SUPERINTENDENT OR HIS REPRESENTATIVE, ANY DAMAGED CONTROLS ARE TO BE REPAIRED BY THE END OF THE WORKING DAY.
B. ALL CONSTRUCTION VEHICLES EGRESSING FROM THE SITE SHALL BE WASHED AS NECESSARY TO INSURE THAT SEDIMENT WILL NOT BE REMOVED FROM THE SITE. WASH WATER TO BE TRUCKED INTO THE SITE OR OBTAINED FROM A METERED WATER CONNECTION. WASH WATER TO BE DIRECTED TO A SEDIMENT TRAPPING DEVICE.
C. TO PREVENT CLOGGING, AREA DRAINS & TRENCH DRAINS ARE TO BE PROTECTED FROM DEBRIS AND CONSTRUCTION MATERIAL. CONTRACTOR TO COORDINATE WITH SITE INSPECTOR TO DETERMINE METHODOLOGY OF PROTECTION.

PRE-STORM EROSION AND SEDIMENT CONTROL CHECKLIST
PER EROSION AND SEDIMENT CONTROL GENERAL NOTE 6, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL EROSION AND SEDIMENT CONTROL (ESC) MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE COUNTY. THESE SUPPLEMENTARY PRACTICES ARE IN ADDITION TO THOSE SHOWN IN AN ESC PLAN. ESC PRACTICES SHALL BE MODIFIED AS NEEDED TO ENSURE ONLY CLEAR WATER IS DISCHARGED FROM THE SITE.

THE FOLLOWING ACTIONS SHALL BE TAKEN PRIOR TO STORM EVENTS WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL TO PREVENT SEDIMENT DISCHARGES FROM A CONSTRUCTION SITE. A TYPICAL SUMMER THUNDERSTORM IS AN EXAMPLE OF A STORM EVENT WITH PREDICTED HEAVY AND/OR LARGE VOLUME RAINFALL.

PERIMETER CONTROLS
□ SILT FENCE SHALL BE CHECKED FOR UNDERMINING, HOLES, OR DETERIORATION OF THE FABRIC. FENCING SHALL BE REPLACED IMMEDIATELY IF THE FABRIC IS DAMAGED OR WORN. SILT FENCE MUST BE TRENCHED INTO THE GROUND PER STATE SPECIFICATIONS (STD & SPEC 3.09).
□ WOODEN STAKES OR STEEL POSTS SHALL BE PROPERLY SECURED UPRIGHT INTO THE GROUND. DAMAGED POSTS OR STAKES MUST BE REPLACED.
□ SEDIMENT THAT HAS ACCUMULATED AGAINST THE SILT FENCE SHOULD BE REMOVED. ACCUMULATED SEDIMENT MUST BE REMOVED WHEN THE LEVEL REACHES ONE-HALF THE HEIGHT OF THE FENCING.
□ HAY BALES OR A STONE BERM SHOULD BE PLACED ACROSS THE CONSTRUCTION ENTRANCE TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE.

EXPOSED SLOPES AND SOIL
□ EXPOSED SLOPES NOT AT THE FINAL STABILIZATION PHASE SHALL BE COVERED WITH TARPS, PLASTIC SHEETING, OR EROSION CONTROL MATTING. COVERING MATERIAL SHALL BE PROPERLY SECURED/ANCHORED.
□ CONTROLS SHALL BE INSTALLED TO PREVENT CONCENTRATED FLOW DOWN AN EXPOSED SLOPE. BERMS OR DIVERSION DIKES SHALL BE INSTALLED AT THE TOP OF CUT / EXPOSED SLOPES TO DIRECT STORM FLOW AROUND THE DISTURBED AREA.
□ EXPOSED SLOPES AT THE FINAL STABILIZATION PHASE SHALL BE STABILIZED USING SLOPE STABILIZATION PRACTICES SUCH AS SOIL STABILIZATION BLANKETS OR MATTING AS SPECIFIED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH) STD & SPEC 3.36. BLANKETS OR MATS MUST BE PROPERLY SECURED AND ANCHORED TO THE SLOPE USING STAPLES, PINS, OR STAKES
□ SEEDED AREAS SHALL BE CHECKED AND RESEEDED AS NECESSARY TO COVER EXPOSED SOIL. RECENTLY SEEDED AREAS SHALL BE PROTECTED BY STRAW OR SOIL STABILIZATION BLANKETS TO PREVENT SEEDING FROM BEING WASHED AWAY.

STOCKPILES
□ STOCKPILED SOIL AND OTHER LOOSE MATERIALS THAT CAN BE WASHED AWAY SHALL BE COVERED WITH A TARP, PLASTIC SHEETING, OR OTHER STABILIZATION MATTING. THE COVER MUST BE PROPERLY SECURED/ANCHORED DOWN TO PREVENT IT FROM BEING BLOWN OFF AND EXPOSING MATERIALS TO RAIN. CONTROLS SUCH AS HAY BALES OR BOOMS SHOULD BE PLACED ALONG THE PERIMETER OF THE STOCK PILE (DOWNHILL SIDE).

INLET PROTECTION
□ INLET PROTECTION CONTROLS SHALL BE INSPECTED TO ENSURE THEY ARE FUNCTIONING PROPERLY AND FLOODING WILL NOT OCCUR. CLOGGED OR DAMAGED CONTROLS MUST BE REPLACED IMMEDIATELY. ENSURE CONTROLS ALLOW FOR OVERFLOW / BYPASS OF STORMWATER RUNOFF DURING SIGNIFICANT STORM EVENTS.
IN ADDITION TO THESE PRE-STORM ACTIONS, ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES MUST BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL.

GENERAL LAND CONSERVATION NOTES

1. NO DISTURBED AREA WILL REMAIN DENUDED FOR MORE THAN 7 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
2. ALL EROSION CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING. FIRST AREAS TO BE CLEARED ARE TO BE THOSE REQUIRED FOR THE PERIMETER CONTROLS.
3. ALL STORM AND SANITARY SEWER LINES NOT IN STREET ARE TO BE MULCHED AND SEEDED WITHIN 5 DAYS AFTER BACKFILL. NO MORE THAN 500 FEET ARE TO BE OPEN AT ANY ONE TIME
4. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHED ARE TO BE COMPACTED, SEEDED AND MULCH WITHIN 5 DAYS OF BACKFILL.
5. ALL TEMPORARY BERMS, DIVERSION AND SEDIMENT CONTROL DAMS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. THE SAME APPLIES TO ALL SOIL STOCKPILE
6. DURING CONSTRUCTION, ALL STORM INLETS WILL BE PROTECTED BY INLET PROTECTION DEVICES, MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
7. ANY DISTURBED AREA NOT COVERED IN NOTE # 1 ABOVE AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1ST, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED WITH HAY OR STRAW AT THE RATE OF 2 TONS PER ACRE AND OVER-SEEDED NO LATER THAN MAY 15TH.
8. AT THE COMPLETION OF THE CONSTRUCTION PROJECT AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUDED AREAS SHALL BE STABILIZED. ARLINGTON COUNTY INSPECTOR TO APPROVE REMOVAL OF ALL TEMPORARY SILTATION MEASURES.

EROSION AND SEDIMENT CONTROL NOTES

ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA'S REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.
ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.
ES-4: A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
ES-5: PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.
ES-6: THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.
ES-7: ALL DISTURBED AREA ARE TO BE DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
ES-8: DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.
ES-9: THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

NON-STORMWATER DISCHARGE PER ARLINGTON COUNTY

ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT, UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS:

WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.

APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MS4 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.

PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

TABLE 3.31-B
(Revised June 2003)
TEMPORARY SEEDING SPECIFICATIONS
QUICK REFERENCE FOR ALL REGIONS

SEED

APPLICATION DATES	SPECIES	APPLICATION RATES
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (Iolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 -100 (lbs/acre)
Feb. 16 - Apr. 30	Annual Ryegrass (Iolium multi-florum)	60 - 100 (lbs/acre)
May 1 - Aug. 31	German Millet	50 (lbs/acre)

FERTILIZER & LIME

- Apply 10-10-10 **fertilizer** at a rate of 450 lbs. / acre (or 10 lbs. / 1,000 sq. ft.)
- Apply **Pulverized Agricultural Limestone** at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)

NOTE:
1 - A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.
2 - Incorporate the lime and fertilizer into the top 4 – 6 inches of the soil by disking or by other means.
3 - When applying Slowly Available Nitrogen, use rates available in Erosion & Sediment Control Technical Bulletin # 4, 2003 Nutrient Management for Development Sites at http://www.dcr.state.va.us/sw/e&s.htm#pubs

TABLE 3.32-D
(Revised June 2003)
PERMANENT SEEDING SPECIFICATIONS FOR PIEDMONT AREA

SEED[1]

LAND USE	SPECIES	APPLICATION PER ACRE
Minimum Care Lawn (Commercial or Residential)	Tall Fescue[1] Perennial Ryegrass Kentucky Bluegrass[1]	95-100% 0-5% 0-5% TOTAL: 175-200 lbs
High-Maintenance Lawn	Tall Fescue[1]	TOTAL: 200-250 lbs
General Slope (3:1 or less)	Tall Fescue[1] Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop[2]	128 lbs 2 lbs 20 lbs TOTAL: 150 lbs
Low-Maintenance Slope (Steeper than 3:1)	Tall Fescue[1] Red Top Grass or Creeping Red Fescue Seasonal Nurse Crop[2] Crownvetch[3]	108 lbs 2 lbs 20 lbs 20 lbs TOTAL: 150 lbs

1 - When selecting varieties of turfgrass, use the Virginia Crop Improvement Association (VCIA) recommended turfgrass variety list. Quality seed will bear a label indicating that they are approved by VCIA. A current turfgrass variety list is available at the local County Extension office or through VCIA at 804-746-4884 or at http://sudan.oses.vt.edu/html/Turf/turfpublications/publications2.html

2 - Use seasonal nurse crop in accordance with seeding dates as stated below:

February 16th - April	Annual Rye
May 1st - August 15th	Foxtail Millet
August 16th - October	Annual Rye
November - February 15th	Winter Rye

3- SUBSTITUE SERICEA LESPEDEZA FOR CROWNVETCH EAST OF FARMVILLE, VA (MAY THROUGH SEPTEMBER USE HULLED SERICEA, ALL OTHER PERIODS, USE UNHULLED SERICEA). IF FLAT PEA IS USED IN LIEU OF CROWN VETCH, INCREASE RATE TO 30LBS./ACRE. ALL LEGUME SEED MUST BE PROPERLY INOCULATED. WEEPING LOVEGRASS MAY BE ADDED TO ANY SLOPE OR LOW-MAINTENANCE MIX DURING WARMER SEEDING PERIODS; ADD 10-20 LBS./ACRE IN MIXES.

FERTILIZER & LIME

- Apply 10-20-10 **fertilizer** at a rate of **500** lbs. / acre (or 12 lbs. / 1,000 sq. ft.)
- Apply **Pulverized Agricultural Limestone** at a rate of 2 tons/acre (or 90 lbs. / 1,000 sq. ft.)

NOTE:
- A soil test is necessary to determine the actual amount of lime required to adjust the soil pH of site.
- Incorporate the lime and fertilizer into the top 4 – 6 inches of the soil by disking or by other means.
- When applying Slowly Available Nitrogen, use rates available in Erosion & Sediment Control Technical Bulletin # 4, 2003 Nutrient Management for Development Sites at http://www.dcr.state.va.us/sw/e&s.htm#pubs

TABLE 3.35-A

ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES:	RATES: Per Acre	RATES: Per 1000 sq. ft.	NOTES:
Straw or Hay	1½ - 2 tons (Minimum 2 tons for winter cover)	70 - 90 lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.
Fiber Mulch	Minimum 1500 lbs.	35 lbs.	Do not use as mulch for winter cover or during hot, dry periods.* Apply as slurry.
Corn Stalks	4 - 6 tons	185 - 275 lbs.	Cut or shredded in 4-6" lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.
Wood Chips	4 - 6 tons	185 - 275 lbs.	Free of coarse matter. Air-dried. Treat with 12 lbs nitrogen per ton. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.
Bark Chips or Shredded Bark	50 - 70 cu. yds.	1-2 cu. yds.	Free of coarse matter. Air-dried. Do not use in fine turf areas. Apply with mulch blower, chip handler, or by hand.

* When fiber mulch is the only available mulch during periods when straw should be used, apply at a minimum rate of 2000 lbs./ac. or 45 lbs./1000 sq. ft.

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

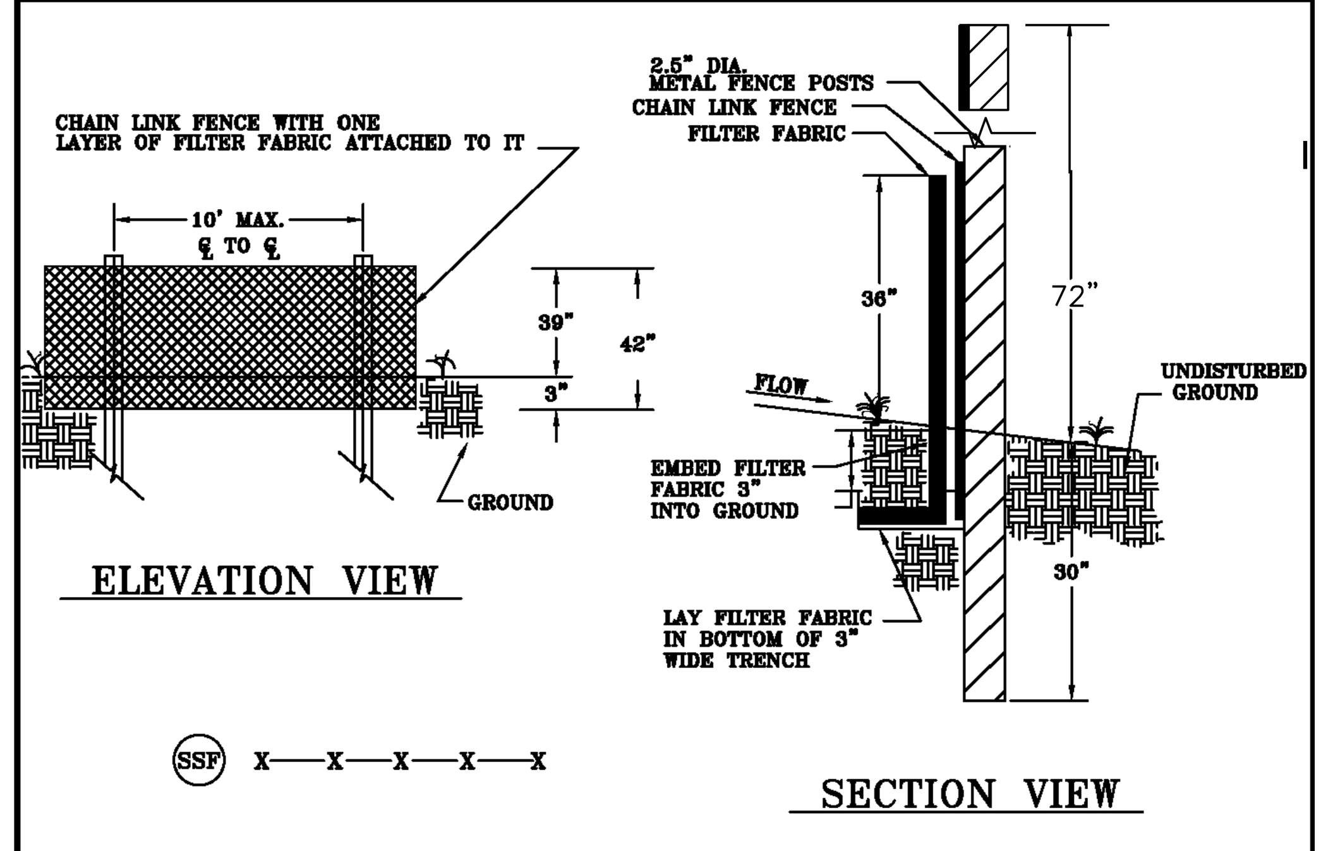
PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

EROSION & SEDIMENT CONTROL NOTES

1-C-111

SHEET 11 OF 20



SUPER SILT FENCE
NO SCALE

FENCING

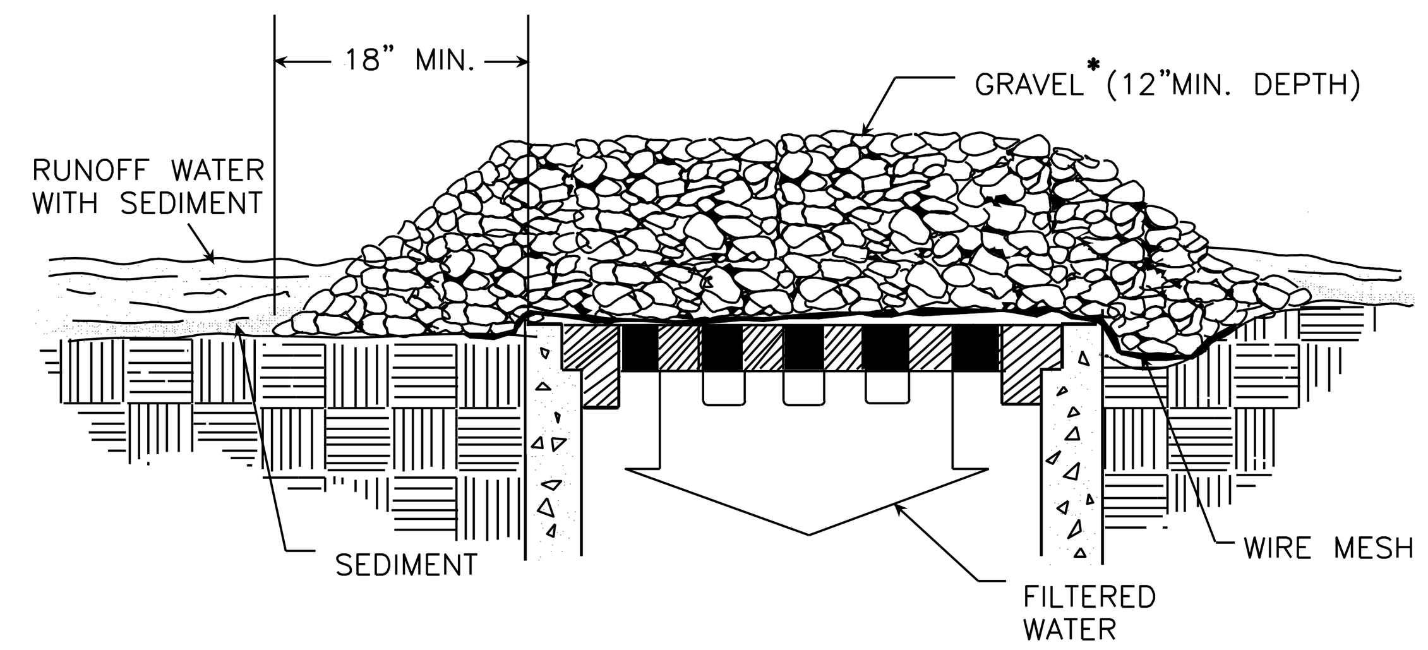
Filter fabric shall be 39" above grade with 3" embedded for a total fabric width of 42". The post shall be 72"above grade with 30" placed below grade (without concrete) for a total length of 102".

NOTES

1. Chain link fence shall be fastened securely to fence posts with wire ties.
2. Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24" at the top and midsection.
3. Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
4. When two sections of filter fabric adjoin each other, they shall be overlapped by 6".
5. Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.

SSF SUPER SILT FENCE DETAIL
NOT TO SCALE

GRAVEL AND WIRE MESH DROP INLET SEDIMENT FILTER



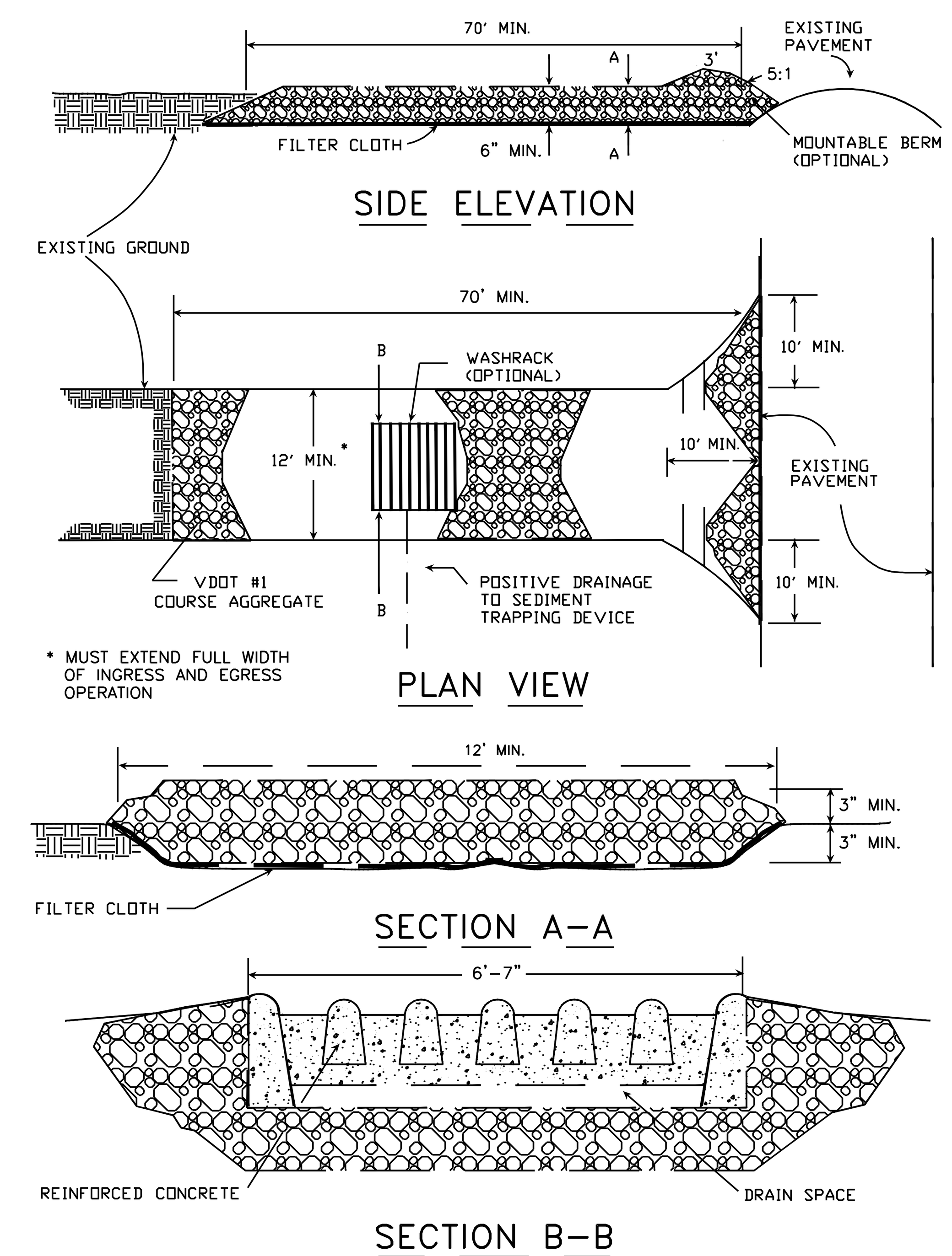
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GRAVEL SHALL BE VDOT #3, #357 OR #5 COARSE AGGREGATE.

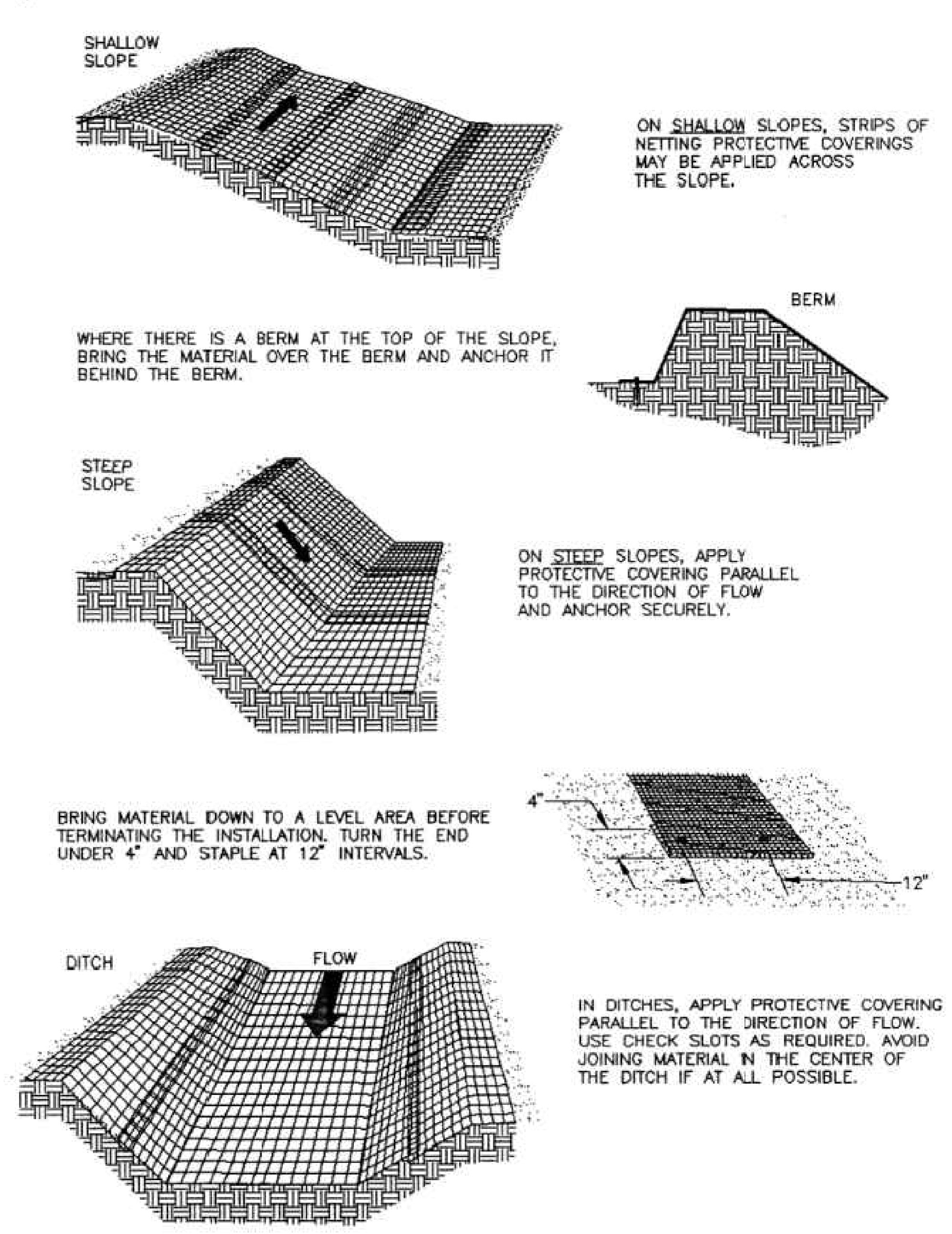
SOURCE: VA. DSWC PLATE. 3.07-2

STONE CONSTRUCTION ENTRANCE



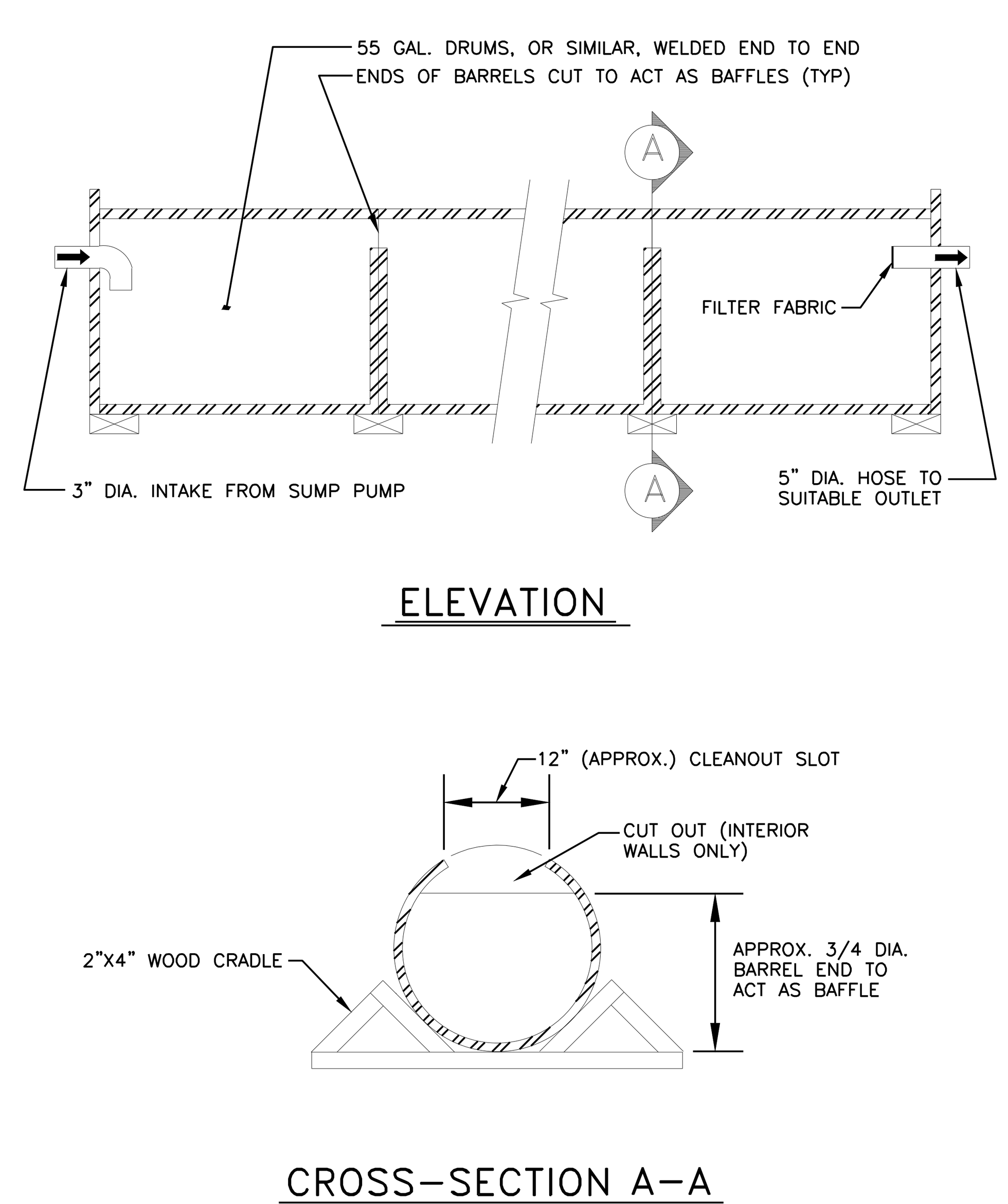
SOURCE: ADAPTED from 1983 Maryland Standards for Soil erosion and Sediment Control, and Va. DSWC Plate 3.02-1

TYPICAL ORIENTATION OF TREATMENT – 1 (SOIL STABILIZATION BLANKET)



Source: Adapted from Ludlow Products Brochure Plate 3.36-1

PORTABLE SEDIMENT TANK



SOURCE: USDA – SCS PLATE: 3.26-1

DocuSign Envelope ID: 8947E6D3-0D7C-47FF-8664-FC667BCDFA8B

7/28/2020
date

Qianqian Li, P.E.
ESC Program Administrator
Department of Environmental Sevices
2100 Clarendon Boulevard, Suite 813
Arlington, Virginia 22201

Re: Erosion and Sediment Control Permit Application for:

601 S Carlin Springs Road
street address

RPC: 21-028-097
lot, block, section subdivision

SWM 20-0148; LDA20123
permit number

Dear Mrs. Li:

I hereby certify that I accept the responsibilities of Responsible Land Disturber for the above referenced project. I understand that these responsibilities include:

1. Reviewing the erosion and sedimentation (E&S) plan for the project.
2. Walking the site prior to construction to identify critical areas.
3. Conducting a pre-construction briefing with earth moving and site contractors to present the E&S plan and highlight the presence of critical areas, the limits of clearing and the required E&S controls and tree protection measures to be installed. Call 703-228-0760 to schedule pre-construction meeting.
4. Regularly inspecting the site during construction to ensure that all E&S controls are functioning and are adequate to address erosion and sedimentation. Inspect the site 48 hours after a runoff-generating storm, and provide a copy of the inspection findings to the county.
5. Reporting to the owner the presence inadequate or non functioning E&S controls when they are observed.
6. Ensuring that temporary soil stabilization is applied within 7 days to areas denuded that will remain undisturbed for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.
7. Calling (703) 228-0760 at least 80 hours before demolishing any structure.

I may be reached at 301-984-4221 (*telephone number*) with questions about this plan or my execution of the duties of Responsible Land Disturber.

Sincerely,

DocuSigned by:
ZIBA PARSA
6E903A512E9F473...
signed

Ziba Parsa
name printed

Professional Engineer 45037
professional registration (type and number)

AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
14555 AVION PARKWAY SUITE 150
CHANTILLY, VA 20151
PHONE (703) 817-1373
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

EROSION & SEDIMENT CONTROL DETAILS

1-C-112

SHEET 12 OF 20

PARCEL A
RPC 21028097
VIRGINIA HOSPITAL CENTER
ARLINGTON HEALTH SYSTEM

SITE AREA
11.5700 ACRES
503,989 SQUARE FEET

EASEMENT FOR EMERGENCY EGRESS PURPOSES D.B 2022, PG. 739

VEPCO EASEMENT D.B. 2522, PG. 1

FFE 248.67

5 STORY BRICK
DOCTORS OFFICE BUILDING
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

MULTI-STORY CONCRETE
PARKING STRUCTURE FOR
611 SOUTH CARLIN SPRINGS ROAD
(NOT INCLUDED)

BUILDING RESTRICTION LIMITS

PARCEL B
RPC: 21028144
NORTHERN VIRGINIA DOCTORS
MEDICAL CENTER CONDOMINIUM

SUBDIVISION OF THE PROPERTY OF
NORTHERN VIRGINIA DOCTORS HOSPITAL CORPORATION
&
NVDH CORPORATION
D.B. 2022, PG. 739

APPROX LOCATION C/L 15' VEPCO EASEMENT D.B. 2031, PG. 428

APPROX LOCATION C/L 10' VEPCO EASEMENT D.B. 1745, PG. 352

APPROX LOCATION VEPCO EASEMENT D.B. 1562, PG. 633

SITE KEYNOTES

1. BUILDING ADDITION (REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS)
2. CONCRETE PAVING (SEE DETAIL 2/1-C-501, R-2.0/1-C-501)
3. RETAINING WALL (REFER TO STRUCTURAL PLANS FOR DETAIL)
4. CONCRETE STEPS (SEE DETAIL R-3.0/1-C-501)
5. ASPHALT PAVEMENT PATCH (SEE DETAIL 2/1-C-501)
6. SPLASH BLOCK (REFER TO ARCHITECTUAL PLANS FOR DETAILS)

SITE AND GRADING LEGEND

- PROPERTY LINE
- EASEMENT FOR EMERGENCY EGRESS PURPOSES
- BUILDING RESTRICTION LIMITS FOR PUBLIC UTILITIES
- LOD — LIMITS OF DISTURBANCE
- BUILDING ADDITION
- 250 — PROPOSED MAJOR CONTOUR
- 249 — PROPOSED MINOR CONTOUR
- CONCRETE PAVEMENT
- ASPHALT PAVEMENT PATCH
- DOOR
- RETAINING WALL

SCALE: 1"=20'

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CONSULTANTS

COMMONWEALTH OF VIRGINIA
KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

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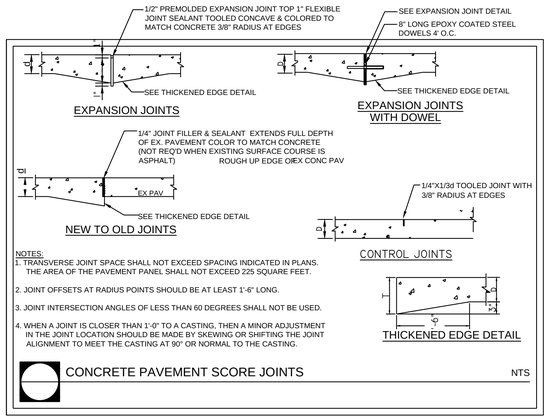
CHECKED BY:	JKS

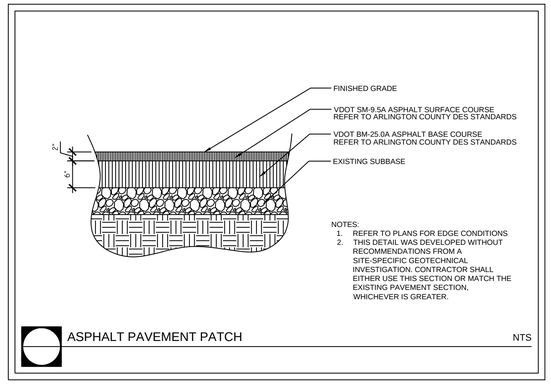
SHEET TITLE

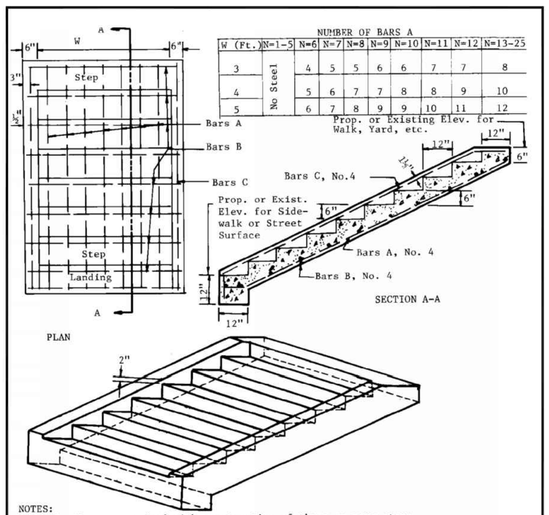
SITE, GRADING & UTILITY PLAN

1-C-113

SHEET 13 OF 20







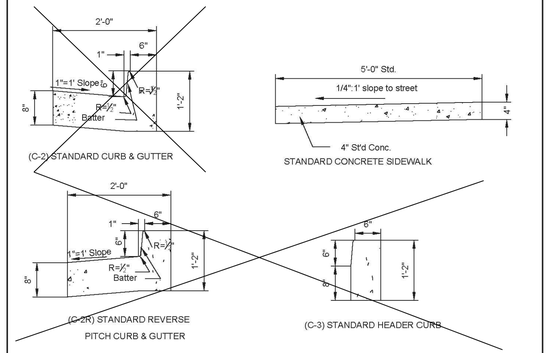
CONCRETE STEPS ON 2:1 SLOPE

REVISION & DATE

ARLINGTON VIRGINIA

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRAWING NO. **R-3.0**



NOTES:

1. SECTION C-3 IS TO BE USED ONLY WITH RIGID TYPE PAVEMENT UNLESS OTHERWISE DIRECTED IN WRITING OR WHEN SHOWN ON APPROVED PLANS.
2. EXPANSION JOINTS IN HEADER CURB AND STANDARD CURB AND GUTTERSHALL BE 40' APART OR AT EXPANSION JOINTS IN CONCRETE PAVEMENT.
3. EXPANSION JOINTS MAY BE OMITTED IF 1/8" JOINTS ARE PLACED EVERY 10' OF LESS
4. EXPANSION JOINTS IN THE SIDEWALK SHALL BE 40' APART. IF ADJACENT TO CONCRETE CURB, EXPANSION JOINTS SHALL MATCH JOINT OF CURB. AN EXPANSION JOINT SHALL BE PLACED BETWEEN CURB AND SIDEWALK.
5. SEE DRAWING R-2.2 FOR DETAIL OF SIDEWALK STRESS COLUMN TO BE PLACED UNDER SIDEWALK WHEN PLACED ADJACENT TO BACK OF CURB.
6. SEE ARLINGTON COUNTY SPECIFICATION SECTIONS 02611 AND 03100 FOR MATERIAL SPECS.
7. PROVIDE 6" MINIMUM AGGREGATE BASE HAVING CBR-30 UNDER CURB AND GUTTER.
8. PROVIDE 3" MINIMUM AGGREGATE BASE HAVING CBR-30 UNDER SIDEWALK

CONCRETE CURB & GUTTER AND SIDEWALK

Rev. Sidewalk Detail	07/11/2013

REVISION & DATE

ARLINGTON VIRGINIA

ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

DRAWING NO. **R-2.0**

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CONSULTANTS

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ARLINGTON, VA 22204

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	06.18.2021	ISSUED FOR BID

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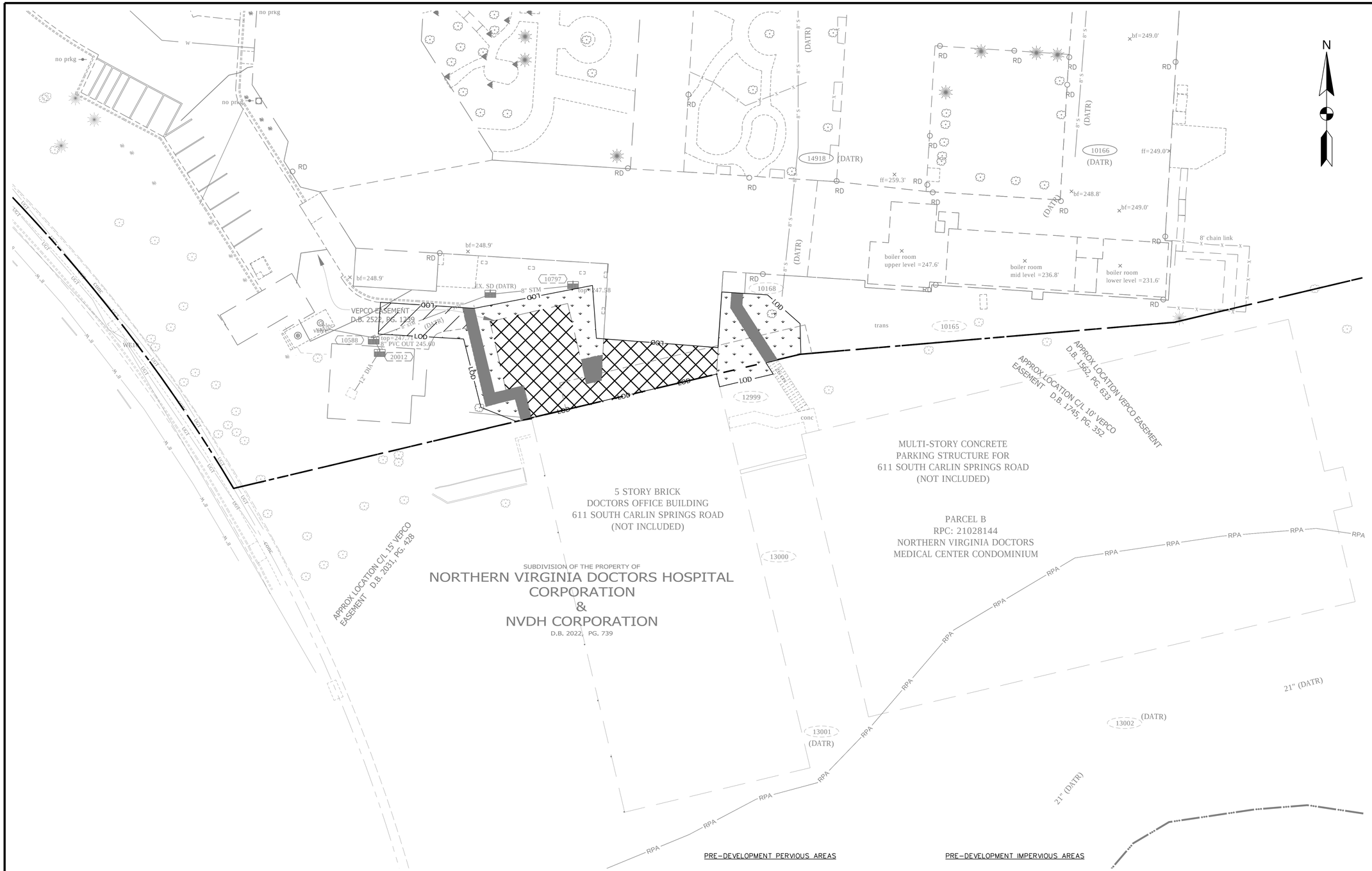
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

SITE DETAILS

1-C-501

SHEET 14 OF 20



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601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

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	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	1"=20'
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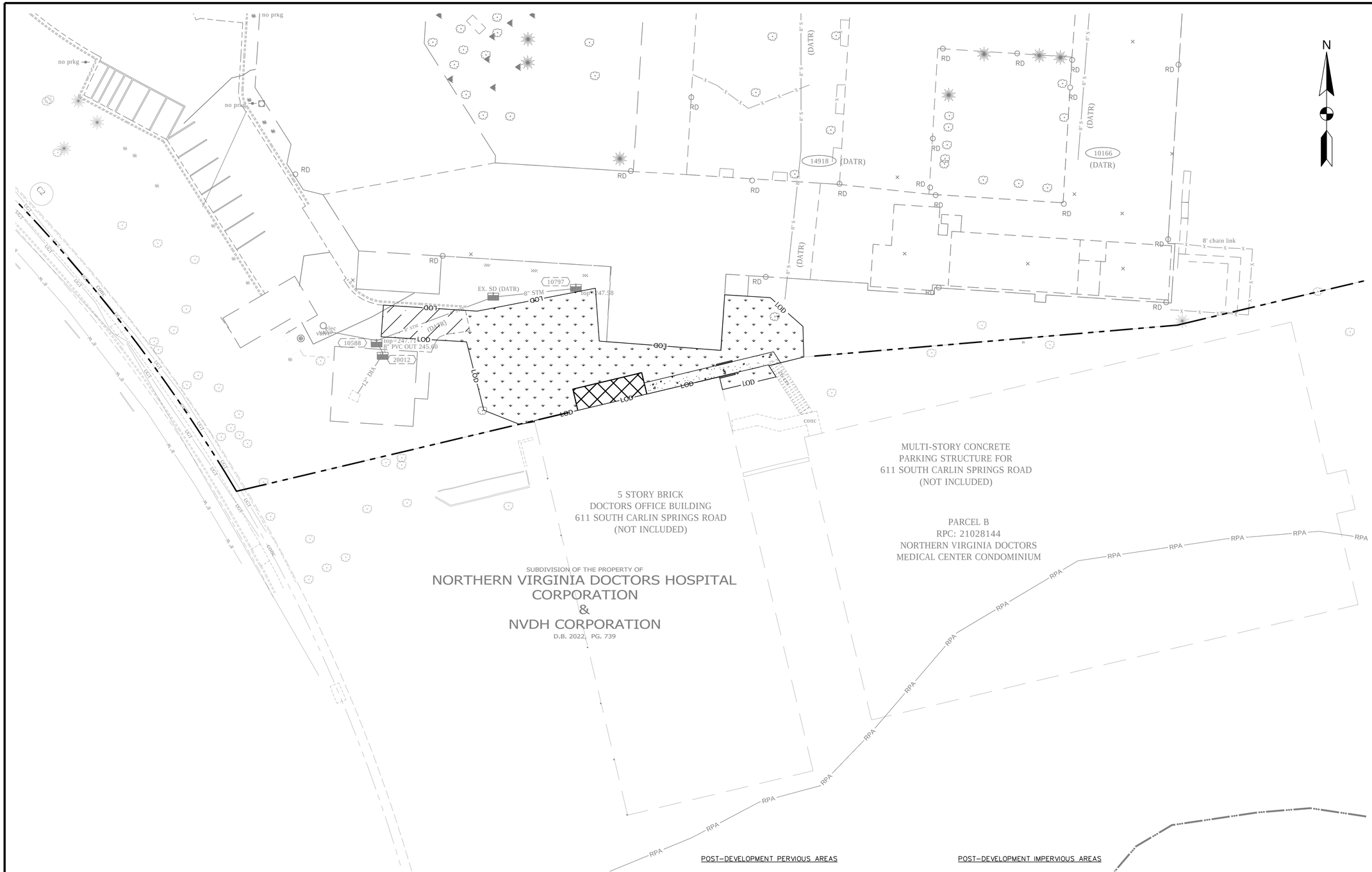
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

PRE-DEVELOPMENT WATER QUALITY MAP

1-C-701

SHEET 15 OF 20



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601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

POST-DEVELOPMENT WATER QUALITY MAP

1-C-702

SHEET 16 OF 20

WATER QUALITY NARRATIVE

THE SITE IS DEFINED BY THE TOTAL APPLICABLE AREA WITHIN THE LIMITS OF DISTURBANCE OF 0.1248 ACRES. THE IMPERVIOUS AREA FOR THE EXISTING CONDITION IS 0.0815 ACRES (65.3%) AND 0.0246 ACRES (19.7%) FOR THE PROPOSED CONDITION. THE PLANS DO NOT PROPOSE ANY STORMWATER MANAGEMENT FACILITIES DUE TO THE DECREASE IN IMPERVIOUS AREA.

Project Name:	VIRGINIA HOSPITAL CENTER DEMOLITION (PHASE 1)
Date:	10/14/2020
Linear Development Project?	No

CLEAR ALL (Ctrl+Shift+R)

data input cells
constant values
calculation cells
final results

Site Information

Post-Development Project (Treatment Volume and Loads)

Enter Total Disturbed Area *(acres)* → 0.1248

Maximum reduction required:	10%
The site's net increase in impervious cover (acres) is:	0.0000
Post-Development TP Load Reduction for Site (lb/yr):	-0.0707

Check:
BMP Design Specifications List: 2013 Draft Stds & Specs
Linear project? No
Land cover areas entered correctly? ✔
Total disturbed area entered? ✔

TP LOAD REDUCTION NOT REQUIRED

Pre-ReDevelopment Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) – undisturbed forest/open space					0.0000
Managed Turf (acres) – disturbed, graded for yards or other turf to be				0.0433	0.0433
Impervious Cover (acres)				0.0815	0.0815
					0.1248

Post-Development Land Cover (acres)

	A Soils	B Soils	C Soils	D Soils	Totals
Forest/Open Space (acres) – undisturbed, protected forest/open space or reforested					0.0000
Managed Turf (acres) – disturbed, graded for yards or other turf to be				0.1002	0.1002
Impervious Cover (acres)				0.0246	0.0246
Area Check	OK.	OK.	OK.	OK.	0.1248

Constants

Annual Rainfall (inches)	43
Target Rainfall Event (inches)	1.00
Total Phosphorus (TP) EMC (mg/L)	0.26
Total Nitrogen (TN) EMC (mg/L)	1.86
Target TP Load (lb/acre/yr)	0.41
Pj (unitless correction factor)	0.90

Runoff Coefficients (Rv)

	A Soils	B Soils	C Soils	D Soils
Forest/Open Space	0.02	0.03	0.04	0.05
Managed Turf	0.15	0.20	0.22	0.25
Impervious Cover	0.95	0.95	0.95	0.95

LAND COVER SUMMARY – PRE-REDEVELOPMENT

Land Cover Summary-Pre Pre-ReDevelopment	Listed	Adjusted[1]
Forest/Open Space Cover (acres)	0.0000	0.0000
Weighted Rv(forest)	0.0000	0.0000
% Forest	0%	0%
Managed Turf Cover (acres)	0.0433	0.0433
Weighted Rv(turf)	0.2500	0.2500
% Managed Turf	35%	35%
Impervious Cover (acres)	0.0815	0.0815
Rv(impervious)	0.9500	0.9500
% Impervious	65%	65%
Total Site Area (acres)	**0.1248**	**0.1248**
Site Rv	**0.7071**	**0.7071**

Treatment Volume and Nutrient Load

Pre-ReDevelopment Treatment Volume (acre-ft)	0.0074	0.0074
Pre-ReDevelopment Treatment Volume (cubic feet)	320.3475	320.3475
Pre-ReDevelopment TP Load (lb/yr)	**0.2013**	**0.2013**
Pre-ReDevelopment TP Load per acre (lb/acre/yr)	1.6100	1.6100
Baseline TP Load (lb/yr) (0.41 lbs/acre/yr applied to pre-redevelopment area excluding pervious land proposed for new impervious cover)		0.0512

[1] *Adjusted Land Cover Summary:*
Pre ReDevelopment land cover minus pervious land cover (forest/open space or managed turf) acreage proposed for new impervious cover.

Adjusted total acreage is consistent with Post-ReDevelopment acreage (minus acreage of new impervious cover).

Column I shows load reduction requirement for new impervious cover (based on new development load limit, 0.41 lbs/acre/year).

LAND COVER SUMMARY – POST DEVELOPMENT

Land Cover Summary-Post (Final) Post ReDev. & New Impervious	
Forest/Open Space Cover (acres)	0.0000
Weighted Rv(forest)	0.0000
% Forest	0%
Managed Turf Cover (acres)	0.1002
Weighted Rv (turf)	0.2500
% Managed Turf	80%
Impervious Cover (acres)	0.0246
Rv(impervious)	0.9500
% Impervious	20%
Final Site Area (acres)	**0.1248**
Final Post Dev Site Rv	**0.3880**

Land Cover Summary-Post Post-ReDevelopment	
Forest/Open Space Cover (acres)	0.0000
Weighted Rv(forest)	0.0000
% Forest	0%
Managed Turf Cover (acres)	0.1002
Weighted Rv (turf)	0.2500
% Managed Turf	80%
ReDev. Impervious Cover (acres)	0.0246
Rv(impervious)	0.9500
% Impervious	20%
Total ReDev. Site Area (acres)	**0.1248**
ReDev Site Rv	**0.3880**

Land Cover Summary-Post Post-Development New Impervious	
New Impervious Cover (acres)	0.0000
Rv(impervious)	--

Treatment Volume and Nutrient Load

Final Post-Development Treatment Volume (acre-ft)	0.0040	Post-ReDevelopment Treatment Volume (acre-ft)	0.0040	Post-Development Treatment Volume (acre-ft)	--
Final Post-Development Treatment Volume (cubic feet)	175.7646	Post-ReDevelopment Treatment Volume (cubic feet)	175.7646	Post-Development Treatment Volume (cubic feet)	--
Final Post-Development TP Load (lb/yr)	**0.1104**	Post-ReDevelopment Load (TP) (lb/yr)*	**0.1104**	Post-Development TP Load (lb/yr)	--
Final Post-Development TP Load per acre (lb/acre/yr)	0.8800	Post-ReDevelopment TP Load per acre (lb/acre/yr)	0.8800		
		Max. Reduction Required (Below Pre-ReDevelopment Load)	10%		
		TP Load Reduction Required for Redeveloped Area (lb/yr)	**-0.0707**	**TP Load Reduction Required for New Impervious Area (lb/yr)**	**0**

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)	-0.0707	**	*TP LOAD REDUCTION NOT REQUIRED*

Site Results (Water Quality Compliance)

Area Checks	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	AREA CHECK
FOREST/OPEN SPACE (ac)	0.0000	0.0000	0.0000	0.0000	0.0000	OK.
IMPERVIOUS COVER (ac)	0.0246	0.0000	0.0000	0.0000	0.0000	OK.
IMPERVIOUS COVER TREATED (ac)	0.0000	0.0000	0.0000	0.0000	0.0000	OK.
MANAGED TURF AREA (ac)	0.1002	0.0000	0.0000	0.0000	0.0000	OK.
MANAGED TURF AREA TREATED (ac)	0.0000	0.0000	0.0000	0.0000	0.0000	OK.
AREA CHECK	OK.	OK.	OK.	OK.	OK.	

Site Treatment Volume (ft^3) 175.7646

Runoff Reduction Volume and TP By Drainage Area

	D.A. A	D.A. B	D.A. C	D.A. D	D.A. E	TOTAL
RUNOFF REDUCTION VOLUME ACHIEVED (ft^3)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TP LOAD AVAILABLE FOR REMOVAL (lb/yr)	0.1104	0.0000	0.0000	0.0000	0.0000	0.1104
TP LOAD REDUCTION ACHIEVED (lb/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TP LOAD REMAINING (lb/yr)	0.1104	0.0000	0.0000	0.0000	0.0000	0.1104
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total Phosphorus

FINAL POST-DEVELOPMENT TP LOAD (lb/yr)	0.1104
TP LOAD REDUCTION REQUIRED (lb/yr)	-0.0707
TP LOAD REDUCTION ACHIEVED (lb/yr)	0.0000
TP LOAD REMAINING (lb/yr):	0.1104
REMAINING TP LOAD REDUCTION REQUIRED (lb/yr):	0.0000 **

** TARGET TP REDUCTION EXCEEDED BY 0.0707 LB/YEAR **

Total Nitrogen (For Information Purposes)

POST-DEVELOPMENT LOAD (lb/yr)	0.7900
NITROGEN LOAD REDUCTION ACHIEVED (lb/yr)	0.0000
REMAINING POST-DEVELOPMENT NITROGEN LOAD (lb/yr)	0.7900

Runoff Volume and Curve Number Calculations

Enter design storm rainfall depths (in):

1-year storm	2-year storm	10-year storm
2.61	3.16	4.85

Use NOAA Atlas 14 (http://hdsc.nws.noaa.gov/hdsc/pfds/)

Notes (see below):

[1] The curve numbers and runoff volumes computed in this spreadsheet for each drainage area are limited in their applicability for determining and demonstrating compliance with water quantity requirements. See VRRM User's Guide and Documentation for additional information.

[2] Runoff Volume (RV) for pre- and post-development drainage areas must be in volumetric units (e.g., acre-feet or cubic feet) when using the Energy Balance Equation. Runoff measured in watershed-inches and shown in the spreadsheet as RV(watershed-inch) can only be used in the Energy Balance Equation when the pre- and post-development drainage areas are equal. Otherwise RV(watershed-inch) must be multiplied by the drainage area.

[3] Adjusted CNs are based on runoff reduction volumes as calculated in D.A. tabs. An alternative CN adjustment calculation for Vegetated Roofs is included in BMP specification No. 5.

Drainage Area Curve Numbers and Runoff Depths*

Curve numbers (CN, CNadj) and runoff depths ($RV_{Developed}$) are computed with and without reduction practices.

Drainage Area A		A Soils	B Soils	C Soils	D Soils
Forest/Open Space -- undisturbed, protected forest/open space or reforested land	Area (acres)	0.0000	0.0000	0.0000	0.0000
	CN	30	55	70	77
Managed Turf -- disturbed, graded for yards or other turf to be mowed/managed	Area (acres)	0.0000	0.0000	0.0000	0.1002
	CN	39	61	74	80
Impervious Cover	Area (acres)	0.0000	0.0000	0.0000	0.0246
	CN	98	98	98	98
				$CN_{(D.A. A)}$	84

	1-year storm	2-year storm	10-year storm
$RV_{Developed}$ *(watershed-inch)* with no Runoff Reduction*	1.2020	1.6489	3.1335
$RV_{Developed}$ *(watershed-inch)* with Runoff Reduction*	1.2020	1.6489	3.1335
Adjusted CN*	84	84	84

See Notes above

Total Area (acres):	0.1248
Runoff Reduction Volume (ft^3):	0.0000

Site Information - Revised 9/19/2017

Project SWM #	LDA Permit #	Disturbed Area (acres)	% Pre-Impervious	% Post-Impervious	Pre-Development TP load (lb/yr)	Post-Development TP load (lb/yr)	TP load reduction achieved (lb/yr)	Pre-Development TN load (lb/yr)	Post-Development TN load (lb/yr)	TN load reduction achieved (lb/yr)	Total Site Area (acres)	Pre-Forest Area (acres)	Pre-Turf Area (acres)	Pre-Impervious Area (acres)	Post-Forest Area (acres)	Post-Turf Area (acres)	Post-Impervious Area (acres)	Pre-Runoff Volume	Post-Runoff Volume	Runoff Volume Reduction Achieved	Site Latitude (Decimal Degrees)	Site Longitude (Decimal Degrees)	Anticipated Start Date
20-0148	LDA20032	0.1248	65.3	19.7	0.20	0.11	0.00	1.44	0.79	0.00	0.1248	0.0000	0.0433	0.0815	0.0000	0.1002	0.0246	320.3475	175.7646	0.0000	38.859916	-77.126532	TBD

POLLUTION PREVENTION NOTES

1. ONLY THE FOLLOWING NON-STORMWATER DISCHARGES ARE AUTHORIZED BY ARLINGTON COUNTY'S MS4 PERMIT. UNLESS THE STATE WATER CONTROL BOARD, THE VIRGINIA SOIL AND WATER CONSERVATION BOARD (BOARD), OR ARLINGTON COUNTY DETERMINES THE DISCHARGE TO BE A SIGNIFICANT SOURCE OF POLLUTANTS TO SURFACE WATERS: WATER LINE FLUSHING; LANDSCAPE IRRIGATION; DIVERTED STREAM FLOWS; RISING GROUND WATERS; UNCONTAMINATED GROUND WATER INFILTRATION (AS DEFINED AT 40 CFR 35.2005(20)); UNCONTAMINATED PUMPED GROUND WATER; DISCHARGES FROM POTABLE WATER SOURCES; FOUNDATION DRAINS; AIR CONDITIONING CONDENSATION; IRRIGATION WATER; SPRINGS; WATER FROM CRAWL SPACE PUMPS; FOOTING DRAINS; LAWN WATERING; INDIVIDUAL RESIDENTIAL CAR WASHING; FLOWS FROM RIPARIAN HABITATS AND WETLANDS; DECHLORINATED SWIMMING POOL DISCHARGES; DISCHARGES OR FLOWS FROM FIRE FIGHTING; AND, OTHER ACTIVITIES GENERATING DISCHARGES IDENTIFIED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY AS NOT REQUIRING VPDES AUTHORIZATION.
2. APPROPRIATE CONTROLS MUST BE IMPLEMENTED TO PREVENT ANY NON-STORMWATER DISCHARGES NOT INCLUDED ON THE ABOVE LIST (E.G., CONCRETE WASH WATER, PAINT WASH WATER, VEHICLE WASH WATER, DETERGENT WASH WATER, ETC.) FROM BEING DISCHARGED INTO ARLINGTON COUNTY'S MS4 SYSTEM, WHICH INCLUDES THE CURB AND GUTTER SYSTEM, AS WELL AS CATCH BASINS AND OTHER STORM DRAIN INLETS, OR STREAM NETWORK.
3. PER CHAPTER 26 OF THE ARLINGTON COUNTY CODE, IT SHALL BE UNLAWFUL FOR ANY PERSON TO DISCHARGE DIRECTLY OR INDIRECTLY INTO THE STORM SEWER SYSTEM OR STATE WATERS, ANY SUBSTANCE LIKELY, IN THE OPINION OF THE COUNTY MANAGER, TO HAVE AN ADVERSE EFFECT ON THE STORM SEWER SYSTEM OR STATE WATERS.

2.0 Authorized Non-Stormwater Discharges

Type of Authorized Non-Stormwater Discharge	Likely Present at Your Project Site?	
External buildings wash down	☒ Yes	☐ No
Uncontaminated foundation or footing drains	☒ Yes	☐ No
Uncontaminated excavation dewatering	☒ Yes	☐ No
Landscape irrigation	☐ Yes	☒ No
Others [describe]	☐ Yes	☐ No

5.0 Potential Sources of Pollution & Pollution Prevention Practices

Pollutant-Generating Activity	Likely Present at your Project Site?	Sediment	Nutrients	Heavy Metals	pH (acids and bases)	Pesticides & Herbicides	Oil & Grease	Bacteria & Viruses	Trash, Debris, Solids	Other Toxic Chemicals	Pollution Prevention Practice	Responsible Party
Clearing, grading, excavating, and un-stabilized areas	☒ Yes ☐ No	X							X		(1)	Construction Activity Operator (See Cover Page of this SWPPP)
Paving operations	☒ Yes ☐ No	X					X		X		(2)	
Concrete washout and cement waste	☒ Yes ☐ No			X	X				X		(3)	
Structure construction, stucco, painting, and cleaning	☐ Yes ☒ No			X	X				X	X	(4)	
Dewatering operations	☒ Yes ☐ No	X	X						X		(5)	
Material delivery and storage	☒ Yes ☐ No	X	X	X	X		X		X	X	(6)	
Material use during building process	☒ Yes ☐ No		X	X	X		X		X	X	(7)	
Solid waste disposal	☒ Yes ☐ No								X	X	(8)	
Sanitary waste	☐ Yes ☒ No		X		X			X			(9)	
Landscaping operations	☒ Yes ☐ No	X	X			X			X	X	(10)	
Others [describe]	☐ Yes ☒ No	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	(11)	

WATER QUANTITY NARRATIVE

PER THE ARLINGTON COUNTY CODE, CHAPTER 60, AND THE ARLINGTON COUNTY STORMWATER MANAGEMENT GUIDEBOOK, MARCH 2020 VERSION, THE DEVELOPED SITE SHALL PASS THE 1-YEAR AND 10-YEAR 24-HOUR PEAK FLOW RATES UTILIZING THE ENERGY BALANCE METHOD. BOTH THE 1-YEAR AND 10-YEAR POST-DEVELOPMENT FLOWS ARE LESS THAN THE ALLOWABLE RELEASE RATE. THERE IS NO RESULTING STORAGE VOLUME REQUIRED. THEREFORE, THE ENERGY BALANCE REQUIREMENS FOR CHANNEL AND FLOOD PROTECTION ARE MET FOR THIS DEVELOPMENT.

IT IS THE ENGINEER'S OPINION THAT THE LIMITED BUILDING DEMOLITION AND NEW EGRESS STAIRWELL WITH NEW PEDESTRIAN CONNECTION TO THE EXISTING ON-SITE STAIRS PROPOSED WITH THIS APPLICATION WILL HAVE NO ADVERSE IMPACT TO THE ADJACENT PROPERTIES. ADDITIONALLY, THE NOTED IMPROVEMENTS WILL NOT SIGNIFICANTLY IMPACT HOW STORM WATER FLOWS ON THE PROPERTY BECAUSE THE POST-DEVELOPED DRAINAGE PATTERN WILL BE SIMILAR TO EXISTING AND THE LAND COVER CONVERSION FROM IMPERVIOUS TO MANAGED TURF WILL REDUCE PEAK RUNOFF.

PER FEMA FLOODPLAIN MAP 51013C0057C, DATED AUGUST 19, 2013, THIS PROJECT IS NOT OUTSIDE THE FLOODPLAIN.

THERE ARE RESOURCE PROTECTION AREAS LOCATED ON THE SUBJECT PROPERTY OUTSIDE OF THE LIMITS OF DISTURBANCE PER ARLINGTON CO… REFER TO SHEET …

SWM Water Quantity Energy Balance Worksheet

SITE AREA (acre) 0.1248

	1-year		10-year	
	PRE	POST (adjusted)	PRE	POST (adjusted)
P	2.61	2.61	4.85	4.85
CN	92	84	92	84
S=1000/CN-10	0.87	1.90	0.87	1.90
0.2S	0.17	0.38	0.17	0.38
$RV=(P-0.2S)^2/(P-0.2S)+S$	1.80	1.20	3.94	3.13

QPost Development <= I.F.* (Qpre-development* RVpre-development)/RVDeveloped)

I.F 0.9

CHANNEL PROTECTION (1-YEAR)		
Qpre-development	0.27	From TR55
QPost Development	0.18	From TR55
RVPost Development (with runoff reduction)	1.2020	From RRM
Qallowable	0.36	
Qallowable/QPost Development	2.02	
Vs/Vr	0.00	Fig 11.7 of DEQ Manual
Vs	0.00	
Storage required (cf)	0	

FLOOD CONTROL (10-YEAR)	
Qpre-development	0.56
QPost Development	0.47
RVPost Development (with runoff reduction)	3.1335
Qallowable	0.70
Qallowable/QPost Development	1.50
Vs/Vr	0.00
Vs	0.00
Storage required (cf)	0

Pollution Prevention Practices:

(1) **Clearing, grading, excavating and un-stabilized areas** – Utilize erosion and sediment controls to prevent sediment laden or turbid runoff from leaving the construction site. Dispose of clearing debris at acceptable disposal sites. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities.
(2) **Paving operations** – Cover storm drain inlets during paving operations and utilize pollution prevention materials such as drip pans and absorbent/oil dry for all paving machines to limit leaks and spills of paving materials and fluids.
(3) **Concrete washout and cement waste** – Direct concrete wash water into a leak-proof container or leak-proof settling basin that is designed so that no overflows can occur due to inadequate sizing or precipitation. Hardened concrete wastes shall be removed and disposed of in a manner consistent with the handling of other construction wastes.
(4) **Structure construction, stucco, painting and cleaning** – Enclose, cover or berm building material storage areas if susceptible to contaminated stormwater runoff. Conduct painting operations consistent with local air quality and OSHA regulations. Mix paint indoors, in a containment area or in a flat unpaved area. Prevent the discharge of soaps, solvents, detergents and wash water from construction materials, including the clean-up of stucco paint, form release oils and curing compounds.
(5) **Dewatering operations** – Construction site dewatering from building footings or other sources may not be discharged without treatment. Sediment laden or turbid water shall be filtered, settled or similarly treated prior to discharge.
(6) **Material delivery and storage** – Designate areas of the construction site for material delivery and storage. Place near construction entrances, away from waterways, and avoid transport near drainage paths or waterways.
(7) **Material use during building process** – Use materials only where and when needed to complete the construction activity. Follow manufacturer's instructions regarding uses, protective equipment, ventilation, flammability and mixing of chemicals.
(8) **Solid waste disposal** – Designate a waste collection area on the construction site that does not receive a substantial amount of runoff from upland areas and does not drain directly to a waterway. Ensure that containers have lids so they can be covered before periods of rain, and keep containers in a covered area whenever possible. Schedule waste collection to prevent the containers from overfilling.
(9) **Sanitary waste** – Prevent the discharge of sanitary waste by providing convenient and well-maintained portable sanitary facilities. Locate sanitary facilities in a convenient location away from waterways.
(10) **Landscaping operations** – Maintain as much existing vegetation as practicable. Apply permanent or temporary stabilization, sodding and/or mulching to denuded areas in accordance with the erosion and sediment control specifications and the general VPDES permit for discharges of stormwater from construction activities. Apply nutrients in accordance with manufacturer's recommendations and not during rainfall events.
(11) **Others** – If applicable, describe your Pollution Prevention Practice.

7.0 Spill Prevention & Response

Most spills can be cleaned up following manufacturer specifications. Absorbent/oil dry, sealable containers, plastic bags, and shovels/brooms are suggested minimum spill response items that should be available at this location.

1st Priority: Protect all people
2nd Priority: Protect equipment and property
3rd Priority: Protect the environment

1. Check for hazards (flammable material, noxious fumes, cause of spill) – if flammable liquid, turn off engines and nearby electrical equipment. If serious hazards are present leave the area and call 911. LARGE SPILLS ARE LIKELY TO PRESENT A HAZARD.
2. Make Sure the spill area is safe to enter and that it does not pose an immediate threat to health or safety of any person.
3. Stop the spill source.
4. Call co-workers and supervisor for assistance and to make them aware of the spill and potential dangers.
5. If possible, stop spill from entering drains (use absorbent or other material as necessary).
6. Stop spill from spreading (use absorbent or other material)
7. If spilled material has entered a storm sewer; contact locality's storm water department.
8. Clean up spilled material according to manufacturer specifications, for liquid spills use absorbent materials and do not flush area with water.
9. Properly dispose of cleaning materials and used absorbent material according to manufacturer specifications.

Emergency Contacts:

Normal Working Hours

DEQ Northern Regional Office	703-583-3800

Nights, Holidays & Weekends

VA Dept. of Emergency Management 24 Hour Reporting Service	804-674-2400

Local Contacts

Arlington County Fire & Police	703-558-2222
DES Water, Sewer, Streets 24-Hour Emergency	703-228-6555
Washington Gas Emergency	703-750-1400

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CONSULTING ENGINEERS
14555 AVION PARKWAY SUITE 150
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CONSULTANTS

COMMONWEALTH OF VIRGINIA
KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

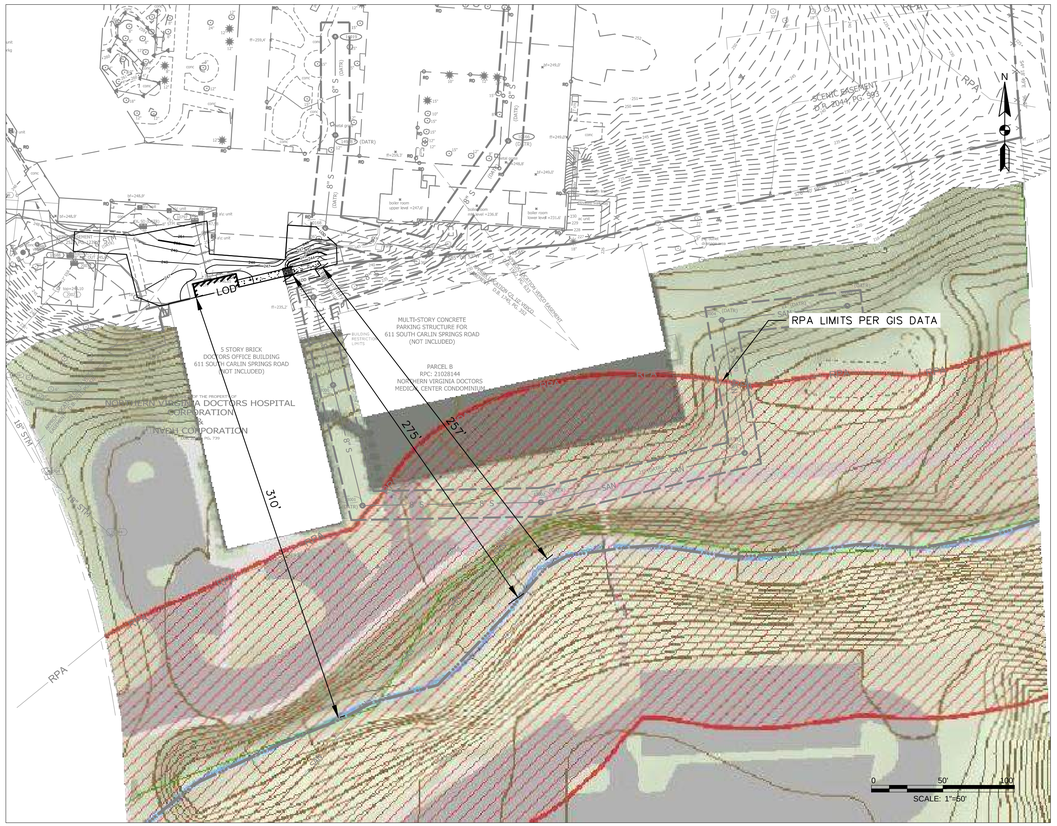
SHEET TITLE

STORMWATER MANAGEMENT NARRATIVES, CALCULATIONS, AND POLLUTION PREVENTION PLAN

1-C-703

SHEET 17 OF 20

EXISTING RPA ENCROACHMENT MAP



PROPOSED RPA ENCROACHMENT MAP

Appendix C. Water Quality Impact Assessment Data Sheet

Project Address	Date:
601 S CARLIN SPRINGS ROAD	06/18/2020
Applicant Name/Affiliation: Jesus Almario - Department of Environmental Services, Facilities, Design & Construction	Applicant Contact Information (phone and email): 703-228-4509; jalmario@arlingtonva.us
Owner/Client Name: THE COUNTY BOARD OF ARLINGTON COUNTY VIRGINIA	Owner/Client Contact Information (phone and email): 703-228-3130; county.board@arlingtonva.us

Section 1: Type of activity proposed

Activity type (check all that apply):
- [x] New construction (residential, commercial, public, etc.)
- [x] Alteration of non-residential structure
- [ ] Residential addition
- [ ] Detached residential structure
- [x] Deck, patio, or retaining wall
- [x] Landscaping (includes tree removal)
- [x] Utility work
- [ ] Fence
- [x] Other (please describe): Grading

Section 2: Key details of the proposed activity

Complete all that apply		Explanation
Total area of disturbance on parcel (sf)	5,436 SF	Includes building footprint plus a 10 foot buffer. Also includes all soil disturbance, ingress/egress areas, stockpiling areas, etc.
Area of disturbance within RPA (sf)	0 SF	Includes removal of trees ≥ 3" in diameter
Area of disturbance on slopes greater than or equal to 15 percent located adjacent to landward RPA boundary (sf)	0 SF	Does not apply to RPA parcels along Chain Bridge Road (15 percent and greater slopes are included as part of RPA)

Complete all fields		Existing condition	Proposed condition	Explanation
RPA encroachment (ft)	Left third of parcel or site	310	310	The **distance** (in feet) from the existing or proposed structure to the designated RPA feature (edge of stream or open channel, wetland, etc.). Encroachments of zero (0) indicate the project will impact the stream or other RPA feature.
	Middle third of parcel or site	275	275	
	Right third of parcel or site	257	257	
Total development footprint in RPA (sf)		0	0	The existing footprint includes the **area** of any existing structures, patios, decks, walkways, etc. Proposed footprint is the anticipated post-project area of all structures, additions, decks, walkways, regraded area behind a retaining wall, etc.
Impervious footprint in RPA (sf)		0	0	Total **area** of impervious surfaces within the RPA (rooftops, pavement, etc.)

(OVER)

STAFF USE ONLY

Building/demolition/LDA/Fence permit number(s):

Major WQIA required? ☐ Yes ☐ No

Date WQIA/Exception request information complete:

Date Chesapeake Bay Preservation Ordinance and E/S ordinance (if applicable) approvals issued in Permits Plus:

Section 3: Plan and Narrative

Provide a plan showing the location of the proposed activity, along with the RPA boundary
Briefly describe the proposed project, including any potential water quality impacts and mitigation measuresproposed. The narrative must address three impact categories 1. Tree/vegetation impacts, 2. Stormwater and runoff 3. Erosion and sediment control. Please refer to the WQIA plan/narrative checklist for additional information.

1. Refer to sheets 1-C-104, 1-C-106 and 1-C-107 for Tree Preservation Plans, Details and Existing Tree Inventory.
2. Refer to Sheet 1-C-703 for stormwater Management Plan and Sheet runoff information.
3. Refer to sheets 1-C-109, 1-C-110, 1-C-111 and 1-C-112 for erosion and sediment control plan, narrative, notes and details.

PROJECT NARRATIVE:

PROJECT CONSISTS OF PARTIAL DEMOLITION LOCATED AT 601 S CARLIN SPRINGS ROAD TO SEPARATE THE HOSPITAL COMPLEX FROM THE 5-STORY OFFICE BUILDING WHICH INCLUDES REMOVAL OF AN AREA DRAIN ASSOCIATED WITH THE BUILDING TO BE REMOVED. IMPROVEMENTS INCLUDE AN EMERGENCY EGRESS STAIRWELL ADDITION, SIDEWALK, STAIRS AND RETAINING WALL AND GRADING. NO TREES ARE TO BE REMOVED WITHIN THE RESOURCE PROTECTION AREA (RPA) AND NO GRADING IS PROPOSED AROUND THEM, THEREFORE, THERE WILL BE NO IMPACTS TO TREES OR CRITICAL ROOT ZONES (CRZS) WITHIN THE RPA. CRZ PROTECTION MEASURES FOR TREES OUTSIDE OF THE RPA LIMITS INCLUDE TREE TRUNK AND LIMB PROTECTING MATTING. TREE PROTECTION NOTES HAVE BEEN INCLUDED ON THE TREE PRESERVATION PLAN TO FURTHER HIGHLIGHT THE IMPORTANCE OF PROTECTING THE EXISTING TREES. SITE RESTORATION INCLUDES PLANTING OF NEW TREES AS SHOWN ON SHEET 1-L-101. STORMWATER RUNOFF FROM THE SITE IS IN THE FORM OF SHEET FLOW TO THE SOUTH. STORMWATER QUALITY AND QUANTITY CONTROL TREATMENT REQUIREMENTS ARE MET BY THE REDUCTION OF IMPERVIOUS AREA. EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN PROVIDED FOR BOTH THE DEMOLITION AND PROPOSED PHASES OF WORK.

Additional Water Quality Impact Assessment Information

The information supplied on this form satisfies the minimum requirements for a Minor Water Quality Impact Assessment. For projects that disturb over 2500 square feet, elements of a Major Water Quality Impact Assessment may also be required, depending on the nature and extent of the proposed RPA encroachment, as outlined in Section 61-12 of the ordinance.

Appendix D. Exception Request Form

Applicant:	Project address:
JESUS ALMARIO	601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

Section 1: Brief description of exception request

N/A

Section 2: Parcel, structure, and ownership information

Date parcel ownership began: 7/15/2019

Date existing principal structure built: 1959

Will existing principal structure remain intact?
☐ Yes ☒ No

Date(s) of construction of any prior work by current owner (alterations, additions, decks, patios, etc.)—list individually:

	Date	Type of prior work
1.		
2.		
3.		
4.		

STAFF USE ONLY

- ☐ Allowable development in RPA (§ 61-7.A)
- ☐ Allowable modification in RPA (§ 61-7.B)
- ☐ Allowable encroachment in RPA (§ 61-7.C)
- ☐ Expansion of nonconforming structure or use in RPA (§ 61-14) (exception request required)
- ☐ New development in the RPA, redevelopment that increases impervious area in the RPA or encroaches further into the RPA, or any other proposed disturbance of any RPA component (exception request required)
- ☐ Exempted activity in RPA (§ 61-15) _____
- ☐ Proposed development in RMA on 15 percent slopes adjacent to RPA
- ☐ Other RMA activity_____

CBORC hearing required? ☐ Yes ☐ No

Date public notification sent certified mail:

Hearing date:

CBORC decision: ☐ Approved ☐ Not approved

Date of final approval letter:

A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
14555 AVION PARKWAY SUITE 150
CHANTILLY, VA 20151
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EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

COMMONWEALTH OF VIRGINIA
KEITH SINCLAIR JR.
Lic. No. 11195
06/18/2021
PROFESSIONAL ENGINEER

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

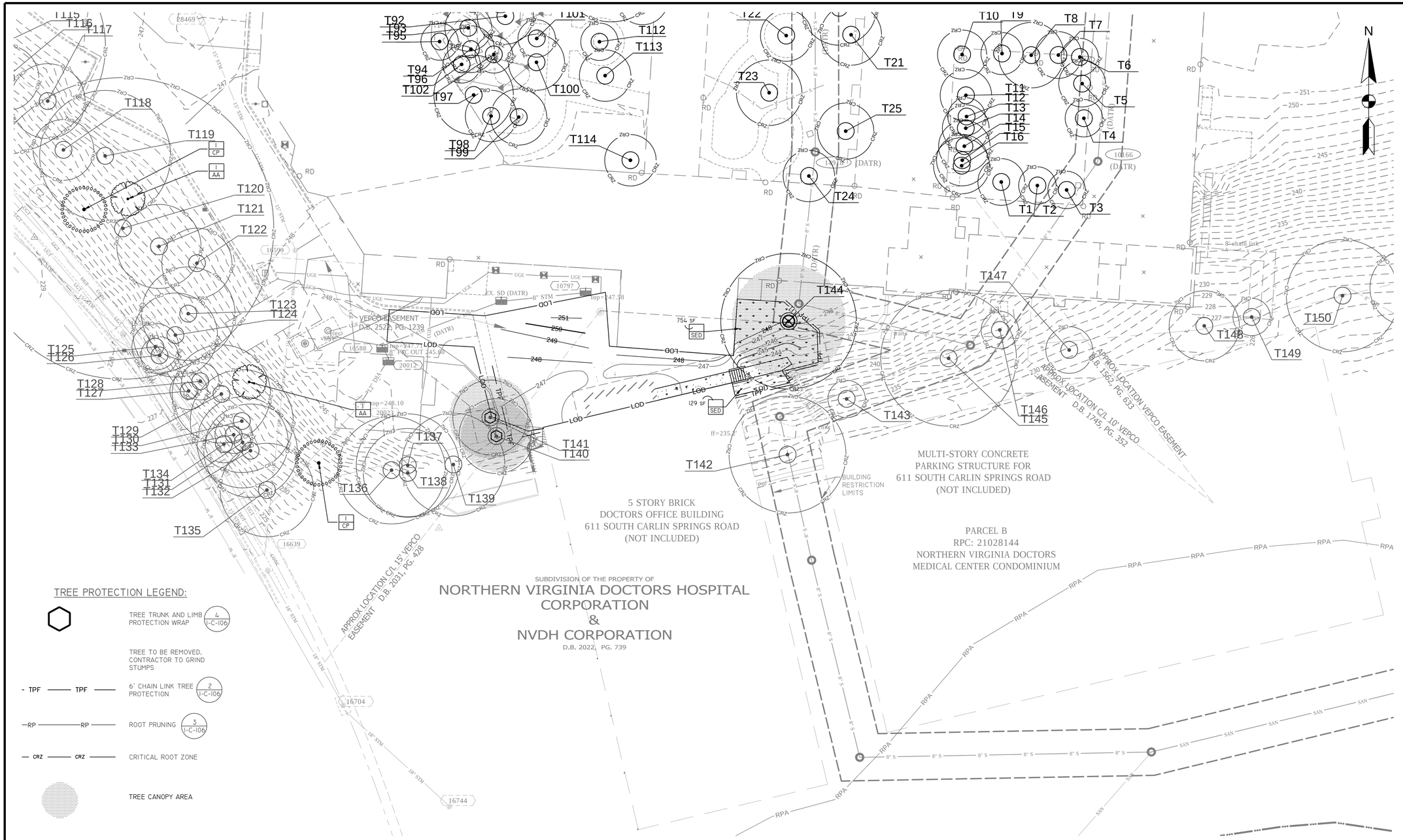
PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

WATER QUALITY IMPACT ASSESSMENT

1-C-704

SHEET 18 OF 20



TREE PROTECTION LEGEND:

- TREE TRUNK AND LIMB PROTECTION WRAP — 4 / 1-C-106
- TREE TO BE REMOVED, CONTRACTOR TO GRIND STUMPS
- TPF — TPF — 6' CHAIN LINK TREE PROTECTION — 2 / 1-C-106
- RP — RP — ROOT PRUNING — 3 / 1-C-106
- CRZ — CRZ — CRITICAL ROOT ZONE
- TREE CANOPY AREA

IMPACTED TREES								
Tree #	Botanical Name	Common Name	Size (DBH)	Condition	Action	CRZ Impacted	Canopy Preserved	Notes
T140	Prunus serotina	Black cherry	16	50	Preserve	13%	719	To be protected
T141	Pinus virginiana	Virginia pine	16	59	Preserve	19%	970	To be protected
T144	Cornus kousa	Kousa dogwood	29	77	Remove	100%	0	To be removed, contractor to grind stumps

PLANT SCHEDULE

Trees	Code	Qty	Botanical / Common Name	Cont	Cal	Size
	AA	2	Amelanchier canadensis / Serviceberry	B & B		8`-10` H
	CP	2	Celtis occidentalis / Hackberry	B & B	2-2.5" Cal.	
Ground Covers	**Code**	**Qty**	**Botanical / Common Name**	**Cont**		**Spacing**
	SED	883 SF	Seed turf grass Drought tolerant fescue blend	Area		

CANOPY CALCULATIONS (Square Feet)	
Parcel Size	503,996
Tree Canopy Required (10%)	50,400
Existing forest canopy	51,549
Large canopy tree canopy conserved (2x bonus)	N/A
Small canopy tree canopy conserved	N/A
Tree canopy remaining to plant	N/A
Tree canopy planted	0

Tree Replacements							
Tree Number	Species	Number Trees Removed	D.B.H. (inches)	Condition	Species Rating	Total Score	Replacements Required
T144	Kousa dogwood	1	29.00	0.77	0.80	17.86	4
Total							4

*Shaded cells indicate trees with 10" DBH and smaller, which are automatically replaced at a rate of one-for-one according to the policy

0 10' 20' 40'
SCALE: 1"=20'

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CONSULTING ENGINEERS
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EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

COMMONWEALTH OF VIRGINIA
ANDREW STREAGLE
Cert. No. 0406001533
LANDSCAPE ARCHITECT
06.18.2021

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	1"=20'
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

LANDSCAPE CONSERVATION PLAN

1-L-101

SHEET 19 OF 20

NOTES
1. AT PLANTING PRUNE ONLY CROSSING LIMBS, BROKEN OR DEAD BRANCHES, AND ANY BRANCHES THAT POSE A HAZARD TO PEDESTRIANS per ANSI STANDARD A300. DO NOT PRUNE INTO OLD WOOD ON EVERGREENS.

2. CONTRACTOR SHALL MAXIMIZE EXCAVATED AREA FOR TREE PIT WITHOUT ADVERSELY IMPACTING ADJACENT SITE FEATURES.

3. UNLESS OTHERWISE DIRECTED BY ARLINGTON COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE URBAN FORESTER; PEAT MOSS SHALL NOT BE USED).

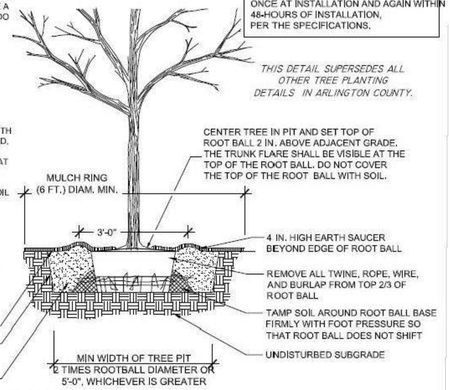
4. CONTRACTOR SHALL LEGALLY REMOVE EXCESS SOIL & DEBRIS FROM SITE.

5. TREES PLANTED WITHOUT THE TRUNK FLARE VISIBLE WILL BE REJECTED.

6. TREES MAY ONLY BE STAKED IF REQUIRED BY THE COUNTY URBAN FORESTER. REFER TO STAKING DETAILS.

ALL PLANTS MUST BE WATERED TWICE: ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION, PER THE SPECIFICATIONS.

THIS DETAIL SUPERSEDES ALL OTHER TREE PLANTING DETAILS IN ARLINGTON COUNTY.



TREE PLANTING DETAIL

FOR OPEN PLANTING AREAS FREE OF PAVING OR GRATES

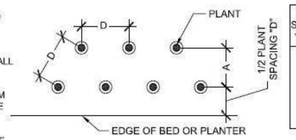
NOT TO SCALE

NOTES
1. AT PLANTING PRUNE ONLY BROKEN OR DEAD BRANCHES PER ANSI 300 STANDARD.

2. PLANTING PIT/TRENCH SHALL BE DUG DEEP ENOUGH TO ALLOW AT LEAST 1/8TH OF ROOT BALL TO SET ABOVE EXISTING GRADE.

3. SET PLANTS IN ERECT, STABLE, AND UNIFORM POSITIONS. ORIENT BEST FACE OF PLANT TO BE THE MOST VISIBLE.

4. GROUND COVERS AND PERENNIALS SHALL BE INSTALLED WITH TRIANGULAR SPACING, REFER TO CHART.



PLANT SPACING "D" O.C.	ROW "A" O.C.	PLANTS PER S.F.
6"	5"	4.00
8"	7"	2.25
9"	8"	1.77
12"	10"	1.00
15"	13"	0.77
18"	16"	0.44

TRIANGULAR SPACING PLAN & CHART

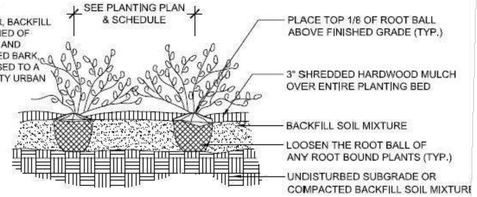
NOT TO SCALE

4. UNLESS OTHERWISE DIRECTED BY PROJECT SPECIFICATIONS OR COUNTY URBAN FORESTER, BACKFILL SOIL MIXTURE WILL BE 3/4 EXISTING SOIL CLEANED OF DEBRIS (GRAVEL, ROCKS, STICKS, TRASH, ETC.) AND MIXED WITH 1/4 ORGANIC MATERIAL (COMPOSTED BARK, LEAF MOLD, OR OTHER PLANT DEBRIS PROCESSED TO A POINT OF DECAY AND APPROVED BY THE COUNTY URBAN FORESTER; PEAT MOSS SHALL NOT BE USED).

5. CONTRACTOR SHALL REMOVE EXCESS SOIL & DEBRIS FROM SITE.

6. DO NOT PLACE MULCH IN CONTACT WITH STEM OF PLANTS.

ALL PLANTS MUST BE WATERED TWICE ONCE AT INSTALLATION AND AGAIN WITHIN 48-HOURS OF INSTALLATION, PER THE SPECIFICATIONS.



THIS DETAIL SUPERSEDES ALL OTHER GROUND COVER PLANTING DETAILS IN ARLINGTON COUNTY.

GROUND COVERS & PERENNIAL PLANTING

NOT TO SCALE

PLANTING GENERAL NOTES

1. THIS PLAN IS FOR PLANTING PURPOSES ONLY, AND ANY OTHER INFORMATION SHOWN IS FOR REFERENCE ONLY. SEE SITE PLAN FOR INFORMATION ABOUT ALL LAYOUT, GRADING AND OTHER SITE IMPROVEMENTS.
2. CALL MISS UTILITY AT 811 OR 1-800-257-7777 TO MARK UTILITIES AT LEAST 48 HOURS BEFORE DIGGING.
3. ALL MATERIALS AND PLANTING PROCEDURES EXCEPT AS OTHERWISE NOTED SHALL CONFORM TO THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" BY THE LANDSCAPE CONTRACTORS ASSOCIATION MD-DC-VA.
4. PLANTS SHALL CONFORM TO THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK. (ANSI Z60.1)
5. PLANT NAMES SHALL BE THOSE GIVEN IN THE LATEST EDITION OF STANDARD PLANT NAMES, AMERICAN COMMITTEE ON HORTICULTURAL NOMENCLATURE.
6. TOPSOIL SHALL MEET SPECIFICATIONS AS PER THE DEQ VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
7. THE CONTRACTOR SHALL SUBMIT REPRESENTATIVE SOIL SAMPLES FROM BOTH IN-SITU SOILS AND SOILS BROUGHT IN FROM OFF-SITE TO A STATE LICENSED TESTING LABORATORY. THE CONTRACTOR SHALL INCORPORATE OR APPLY SOIL AMENDMENTS AND FERTILIZATION BASED UPON RESULTS OF THE SOIL TESTS AND RECOMMENDATIONS BY THE TEST LAB.
8. THE CONTRACTOR SHALL APPLY GRASS ACCORDING TO THE DEQ VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. DO NOT USE KENTUCKY 31 TALL FESCUE.
9. THE CONTRACTOR SHALL STAKE OUT ALL PLANTING BEDS AND TREE LOCATIONS AND THESE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER BEFORE DIGGING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND COORDINATE PLANTINGS WITH ALL EXISTING UTILITIES. IF DISCREPANCIES OCCUR BECAUSE OF UTILITY LOCATIONS OR OTHER EXISTING CONDITIONS THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY TO COORDINATE ANY NECESSARY ADJUSTMENTS.
10. ALL PLANT MATERIAL SHALL BE LABELED BY THE NURSERY AND DELIVERED WITH LABELS IN PLACE FOR INSPECTION. SUBSTITUTIONS IN PLANT SPECIES OR SIZE WILL NOT BE PERMITTED EXCEPT WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNER. PRUNING IS NOT TO OCCUR UNTIL MATERIAL HAS BEEN PLANTED. CONTRACTOR SHALL PRUNE PLANT MATERIAL AS SOON THEREAFTER AS IS ADVISABLE UNDER STANDARD HORTICULTURAL PRACTICES.
11. IT IS OF UTMOST IMPORTANCE THAT ALL PLANT MATERIAL BE SET SLIGHTLY HIGHER IN RELATION TO GRADE THAN IT WAS GROWN IN THE NURSERY AND WITH GOOD EARTH TO ROOT CONTACT. ANY MATERIALS OR WORK MAY BE REJECTED BY THE LANDSCAPE ARCHITECT IF IT DOES NOT MEET THIS OR ANY OTHER REQUIREMENT OF THE SPECIFICATIONS, AND REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL MULCH AND WATER ALL PLANTS WELL ON THE DAY THEY ARE PLANTED. THE SURFACE MULCH LAYER SHALL CONSIST OF STANDARD FINE SHREDDED AGED HARDWOOD MULCH. THE CONTRACTOR SHALL APPLY THE MULCH UNIFORMLY TO A 2 TO 3 INCH DEPTH. BARK SHALL BE KEPT 3 TO 4 INCHES AWAY FROM ALL TRUNKS AND WOODY STEMS.
13. IN CASE OF DISCREPANCIES BETWEEN QUANTITIES ON THE PLANT LIST AND THE PLAN, THE PLAN SHALL GOVERN.
14. SEED OR SOD BARE AREAS AS DIRECTED BY OWNER FOR ALL DISTURBED AREAS TO BE STABILIZED THAT ARE NOT LANDSCAPED OR COVERED.
15. ANY PLANTING WITHIN A FOREST RETENTION AREA, AS DESIGNATED ON THE FOREST CONSERVATION PLAN AND SHOWN ON THIS PLAN, MUST BE DONE TO AVOID ANY ADVERSE IMPACT TO THE ROOTS OF EXISTING TREES. THE CONTRACTORS PERFORMING WORK ON THE SITE ARE RESPONSIBLE FOR PROTECTING EXISTING NATIVE AND NON-INVASIVE PLANTINGS DURING CONSTRUCTION.

A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
14555 AVION PARKWAY SUITE 150
CHANTILLY, VA 20151
PHONE (703) 817-1373
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

COMMONWEALTH OF VIRGINIA
ANDREW STREAGLE
Cert. No. 0406001533
LANDSCAPE ARCHITECT
06.18.2021

DECONSTRUCTION OF VIRGINIA HOSPITAL CENTER COMPLEX - PHASE 1

601 SOUTH CARLIN SPRINGS ROAD
ARLINGTON, VA 22204

MARK	DATE	DESCRIPTION
	06.18.2021	ISSUED FOR BID

PROJECT NO:	19-0679.001
SCALE:	N/A
DESIGNED BY:	CMB
DRAWN BY:	JES
CHECKED BY:	JKS

SHEET TITLE

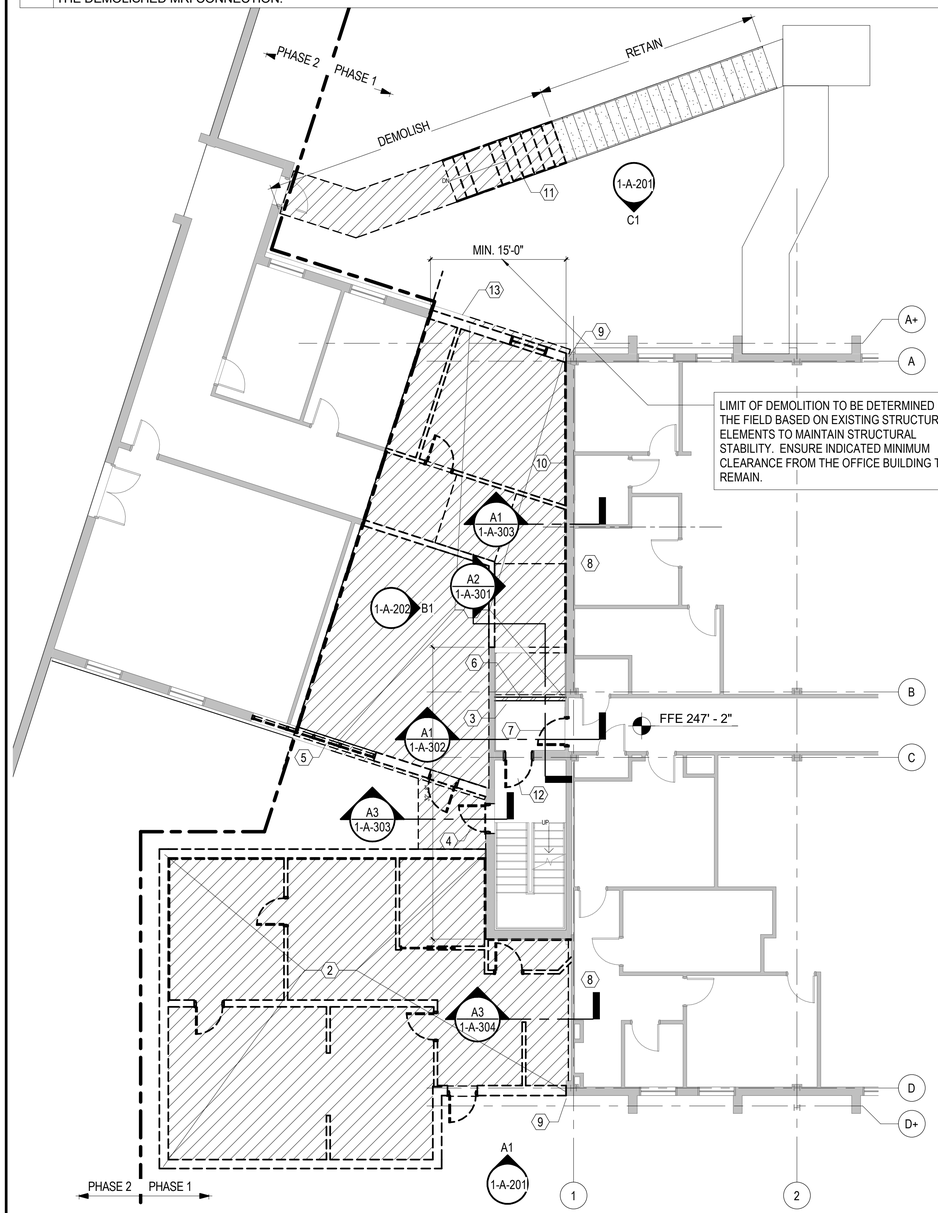
LANDSCAPE NOTES & DETAILS

1-L-501

SHEET 20 OF 20

DEMOLITION KEYNOTES - FOURTH FLOOR LEVEL

NO.	NOTE
1	LIMIT OF DEMOLITION TO BE DETERMINED IN THE FIELD. DEMOLISH ALL OF THE STRUCTURE TO THIS POINT INCLUDING BELOW GRADE STRUCTURES TO AN ELEVATION OF APPROXIMATELY 242.00'. SAWCUT FLOOR, ROOF, AND WALLS CLEANLY. MAINTAIN STABILITY OF STRUCTURE TO REMAIN.
2	DEMOLISH ENTIRE MRI ADDITION INCLUDING ALL ABOVE & BELOW GRADE CONSTRUCTION.
3	TEMPORARY 1-HR. RATED STUD WALL TO SEPARATE NEW WORK FROM EXISTING EGRESS PATH.
4	DEMOLISH EXISTING EXTERIOR DOOR & FRAME.
5	DEMOLISH EXISTING STOREFRONT & GLAZING.
6	SAWCUT SLAB ALONG BASE OF EXISTING RAMP.
7	DEMOLISH EXISTING DOOR & FRAME.
8	MAINTAIN EXISTING CONSTRUCTION IN BUILDING TO REMAIN - DEMOLISH ONLY TO THE EXTENT NECESSARY FOR NEW MECHANICAL AND ELECTRICAL WORK . PATCH ALL FINISHES TO MATCH EXISTING.
9	DEMOLISH BRICK AT CORNER WITHOUT DAMAGE TO BRICK TO REMAIN. CLEAN ALL MORTAR OR SEALANT FROM ORIGINAL JOINT. REPLACE DAMAGED BRICK WITH SALVAGED BRICK.
10	DEMOLISH ALL FINISHES BACK TO FACE OF MASONRY.
11	DEMOLISH CONCRETE STEPS & SIDEWALK TO THE EXTENT SHOWN - REFER TO CIVIL DRAWINGS.
12	DEMOLISH EXISTING INTERIOR DOOR & FRAME. PREPARE OPENING FOR REPLACEMENT DOOR & FRAME.
13	SALVAGE SUFFICIENT EXISTING BRICK FROM DEMOLITION TO REPAIR THE NEW OUTSIDE CORNER WITH A 8" RETURN AND TO INFILL THE WALL OPENING AT THE DEMOLISHED MRI CONNECTION.



FOURTH FLOOR - DEMOLITION

SCALE: 1/8" = 1'-0"

SEE SHEET 1-G-1-2 FOR SEQUENCING INFORMATION

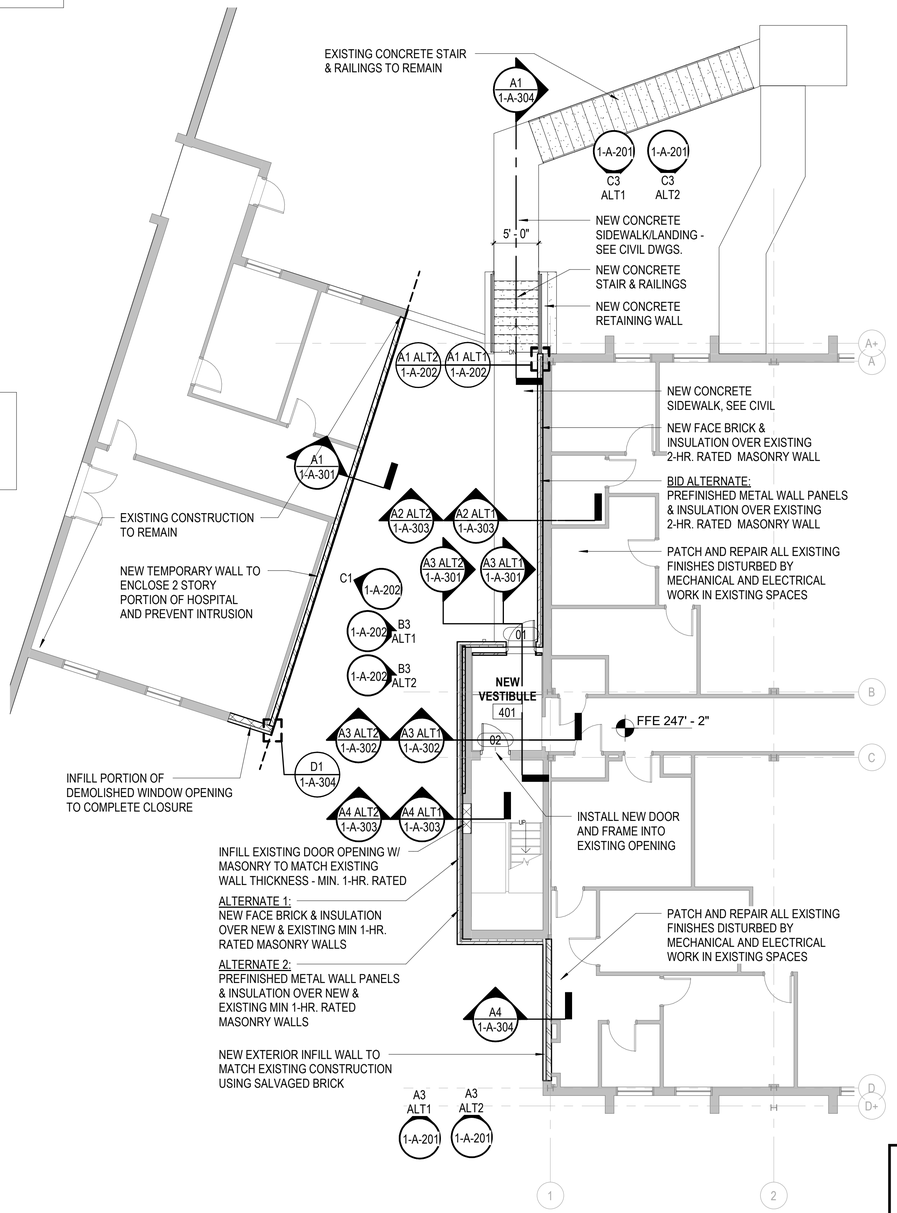
FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	WALL BASE	WALLS				CEILING
				N	S	E	W	
401	NEW VESTIBULE	VCT	RBR	PAINT	PAINT	PAINT	PAINT	SAT
501	NEW VESTIBULE	VCT	RBR	PAINT	PAINT	PAINT	PAINT	SAT

DOOR SCHEDULE

DOOR					FRAME			
		SIZE						
NUMBER	MAT'L	WIDTH	HEIGHT	THICKNESS	MAT	TYPE	HDW	Door Fire Rating
01	H.M.	3'-0"	7' - 10"	1 3/4"	H.M.	1	1	
02	H.M.	3'-0"	6' - 8"	1 3/4"	H.M.	1	2	60 MIN.

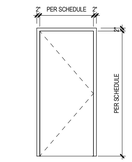
DOOR HARDWARE NOTES:
1. HDW 1 INCLUDES PANIC DEVICE AND CLOSER.
2. HDW 2 INCLUDES PASSAGE SET AND CLOSER.
3. REFER TO SPECIFICATONS FOR FULL HARDWARE SET DESCRIPTIONS.



FOURTH FLOOR - NEW WORK

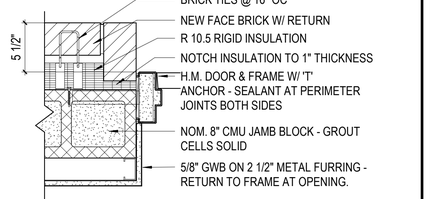
SCALE: 1/8" = 1'-0"

SEE SHEET 1-G-1-2 FOR SEQUENCING INFORMATION



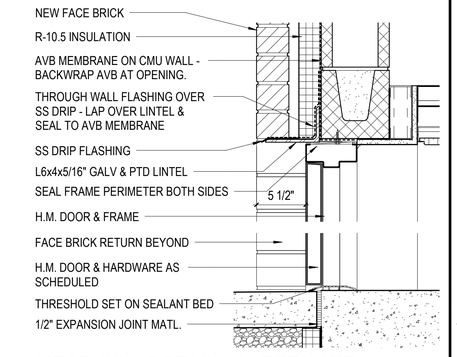
DOOR & FRAME TYPE 1

SCALE: 1/4" = 1'-0"



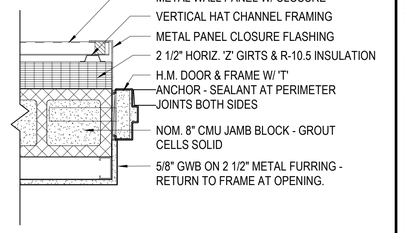
DOOR JAMB DETAIL - ALTERNATE 1

SCALE: 1 1/2" = 1'-0"



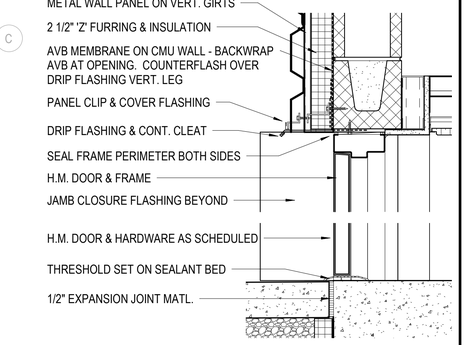
HEAD/SILL DETAIL - ALTERNATE 1

SCALE: 1 1/2" = 1'-0"



DOOR JAMB DETAIL - ALTERNATE 2

SCALE: 1 1/2" = 1'-0"



HEAD/SILL DETAIL - ALTERNATE 2

SCALE: 1 1/2" = 1'-0"

MARK	DATE	REVISIONS
1	05.15.2020	CD Revisions
2	07.30.2020	Permit Revisions
3	12.04.2020	Permit Revisions 2
4	05.31.2121	Amended Permit

BY: DES

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
CHECKED	KDL

RRMM ARCHITECTS, PC
2900 South Quincy Street, Suite 710
Arlington, Virginia 22206
(703)998-0101

COMMONWEALTH OF VIRGINIA
6/1/2021
KEITH DOUGLAS LEONARD
Lic. No. 011302
ARCHITECT

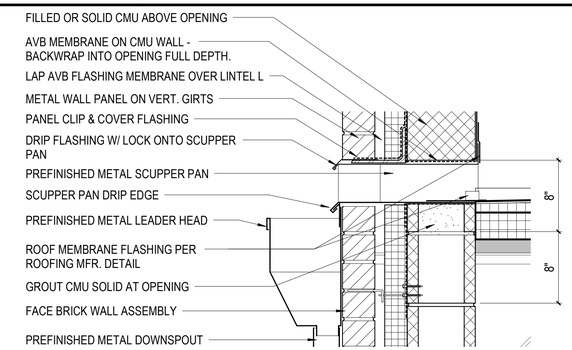
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING FOURTH FLOOR DEMOLITION AND NEW WORK PLANS

SHEET
1-A-101

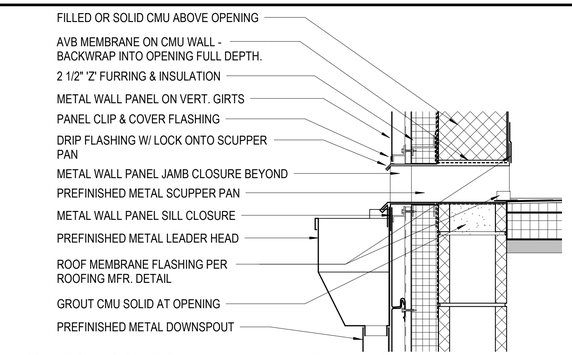
6/15/2021 11:45:46 AM BIM 360://13356-28 Virginia Hospital Center/13356-28 v20 Virginia Hospital Center - Arch.rvt

DEMOLITION KEYNOTES - FIFTH FLOOR LEVEL	
NO.	NOTE
1	LIMIT OF DEMOLITION. DEMOLISH ALL OF THE STRUCTURE TO THIS POINT INCLUDING BELOW GRADE STRUCTURES TO AN ELEVATION OF APPROXIMATELY 242.00'. SAWCUT FLOOR, ROOF, AND WALLS CLEANLY. MAINTAIN STABILITY OF STRUCTURE TO REMAIN.
2	DEMOLISH ENTIRE MRI ADDITION INCLUDING ALL ABOVE & BELOW GRADE CONSTRUCTION.
3	TEMPORARY 1-HR RATED STUD WALL TO SEPERATE NEW WORK FROM EXISTING EGRESS PATH.
4	EXISTING FLOOR TO REMAIN. MODIFY SUPPORTING STRUCTURE PER THE STRUCTURAL DWGS. SAWCUT FLOOR SLAB EDGE TO ALIGN WITH NEW CONSTRUCTION.
5	DEMOLISH ALL FINISHES BACK TO FACE OF MASONRY.
6	RETAIN EXISTING GYPSUM BOARD FURRED WALL TO THE EXTENT OF THE NEW WORK.
7	NOT USED.
8	MAINTAIN EXISTING CONSTRUCTION IN BUILDING TO REMAIN - DEMOLISH ONLY TO THE EXTENT NECESSARY FOR NEW MECHANICAL AND ELECTRICAL WORK . PATCH ALL FINISHES TO MATCH EXISTING.



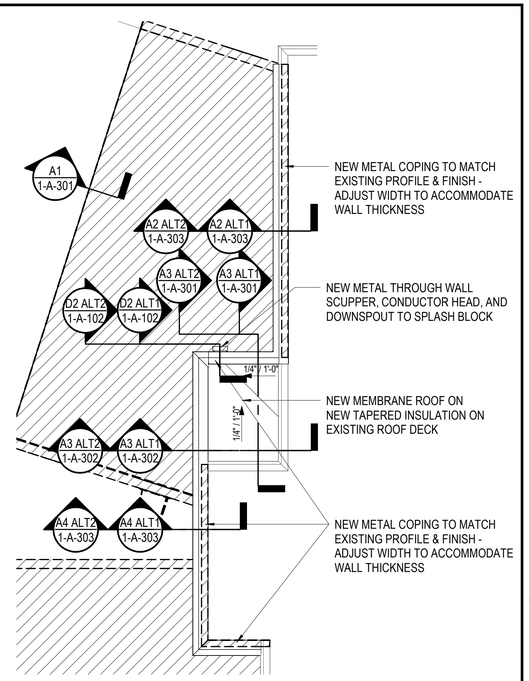
D2 ALT1 / 1-A-102 SCALE: 1 1/2" = 1'-0"

SCUPPER DETAIL - ALTERNATE 1



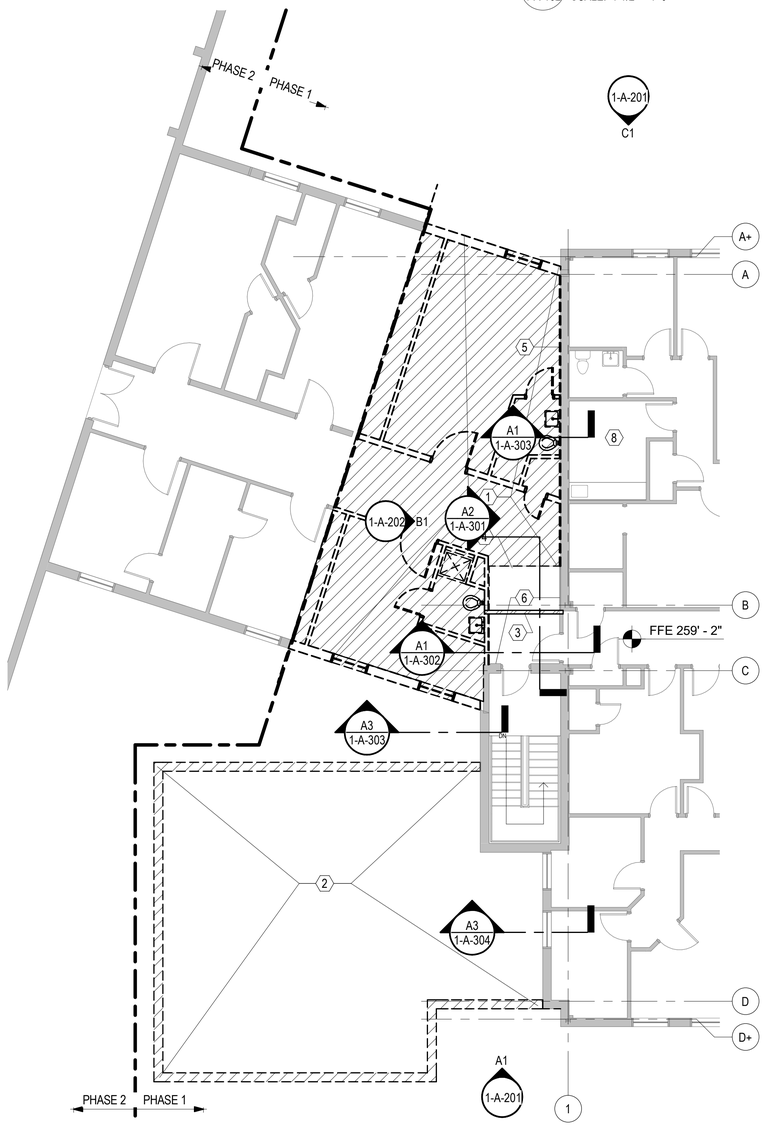
D2 ALT2 / 1-A-102 SCALE: 1 1/2" = 1'-0"

SCUPPER DETAIL - ALTERNATE 2



ROOF PLAN - NEW WORK

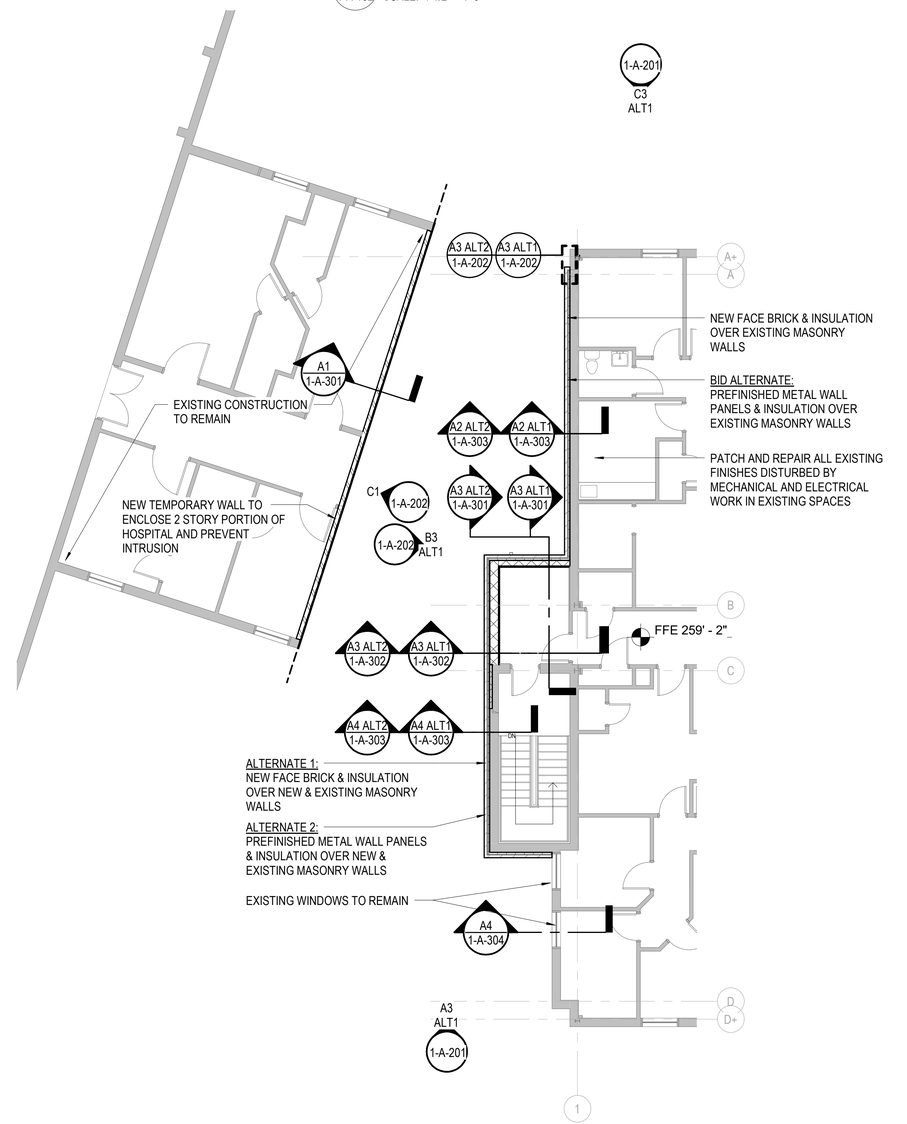
SCALE: 1/8" = 1'-0"



FIFTH FLOOR - DEMOLITION

SCALE: 1/8" = 1'-0"

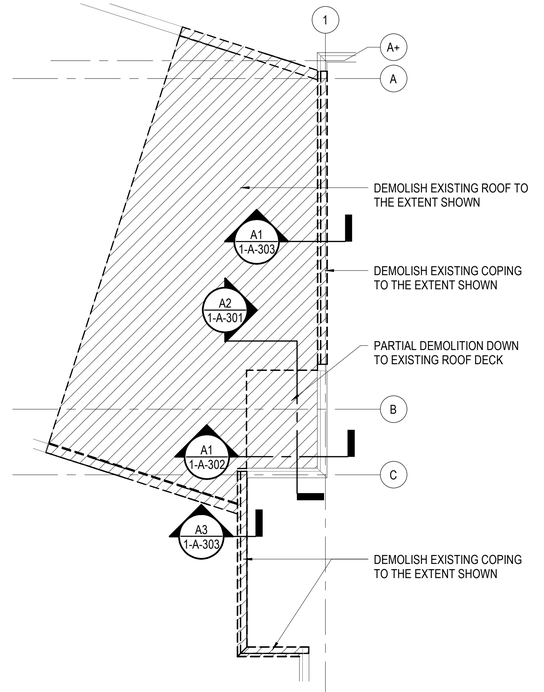
SEE SHEET 1-G-1-2 FOR SEQUENCING INFORMATION



FIFTH FLOOR - NEW WORK

SCALE: 1/8" = 1'-0"

SEE SHEET 1-G-1-2 FOR SEQUENCING INFORMATION



ROOF PLAN - DEMOLITION

SCALE: 1/8" = 1'-0"

CD Revisions		
Permit Revisions		
Amended Permit		
MARK	DATE	BY
1	05.15.2020	DES
2	07.30.2020	
4	05.31.2121	

REVISIONS

DATE	06.18.2021		
PROJECT	13356.28	KDL	
DESIGNED		DWH	
DRAWN		KDL	
CHECKED			

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COMMONWEALTH OF VIRGINIA
6/11/2021
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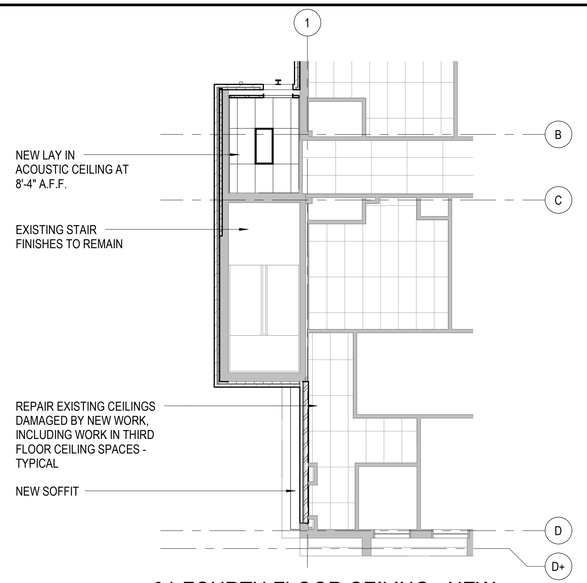
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING FIFTH FLOOR AND ROOF DEMOLITION AND NEW WORK PLANS

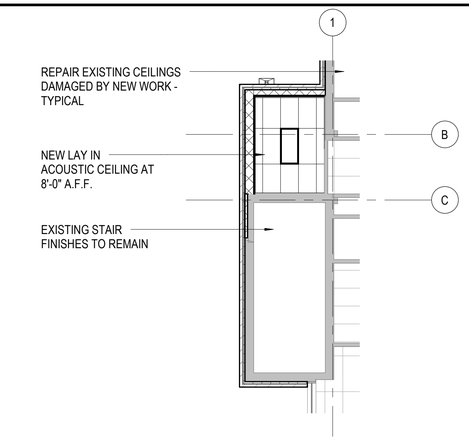
SHEET
1-A-102

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



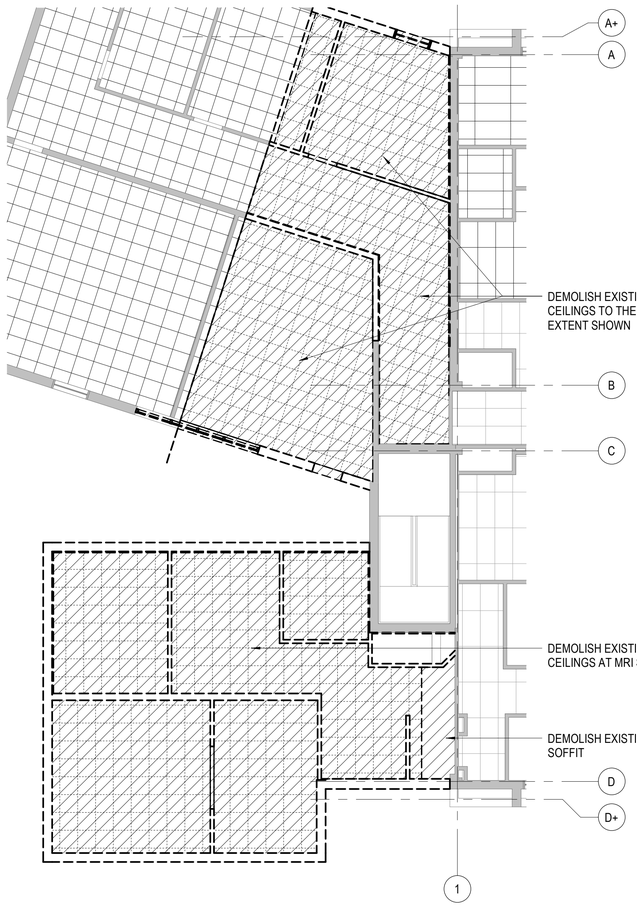
04-FOURTH FLOOR CEILING - NEW

SCALE: 1/8" = 1'-0"



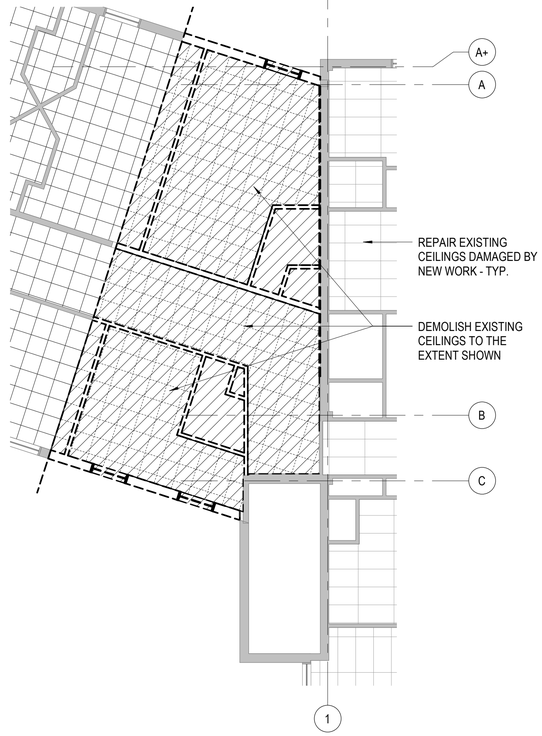
05-FIFTH FLOOR CEILING - NEW

SCALE: 1/8" = 1'-0"



04-FOURTH FLOOR CEILING - DEMOLITION

SCALE: 1/8" = 1'-0"



05-FIFTH FLOOR CEILING - DEMOLITION

SCALE: 1/8" = 1'-0"

MARK	DATE	BY	DES
REVISIONS			

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
CHECKED	KDL

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(703)998-0101

COMMONWEALTH OF VIRGINIA
6/1/2021
KEITH DOUGLAS LEONARD
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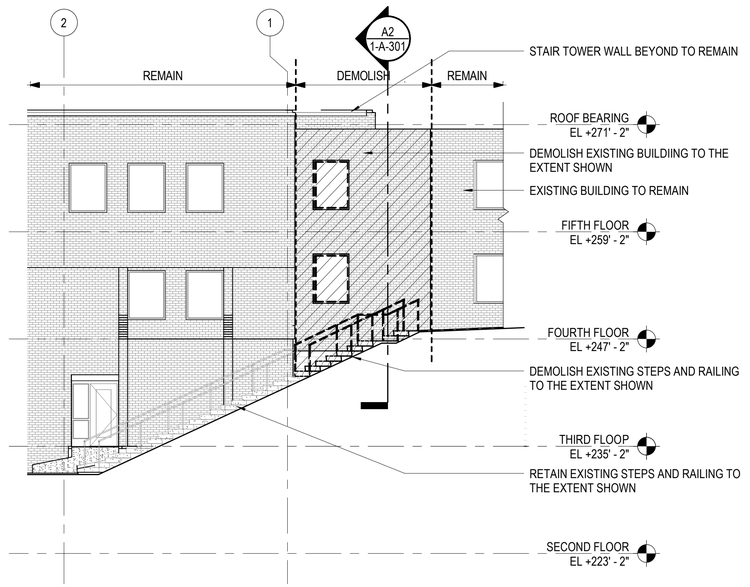
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

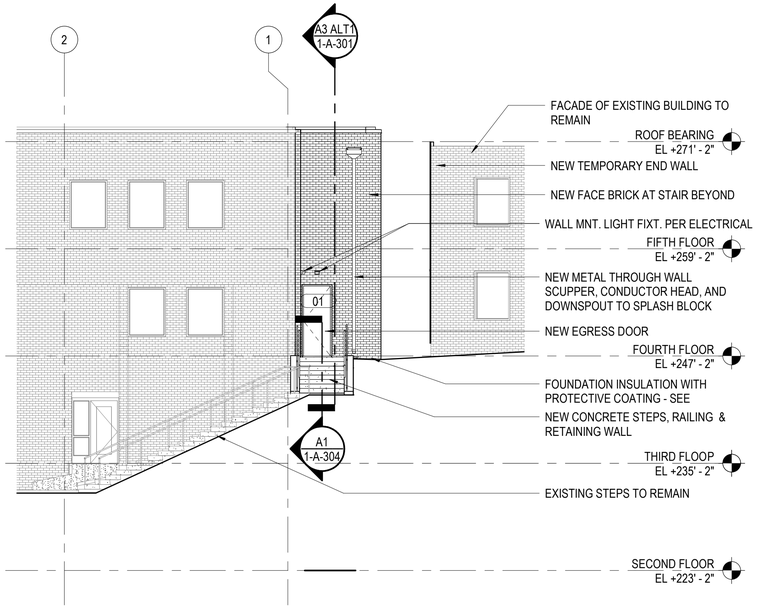
DRAWING REFLECTED CEILING DEMOLITION AND NEW WORK PLANS

SHEET
1-A-103

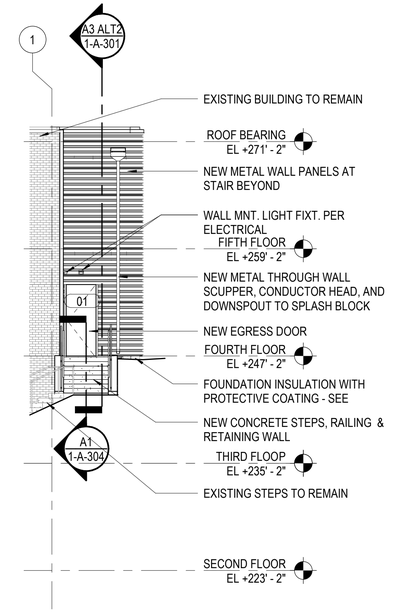
1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



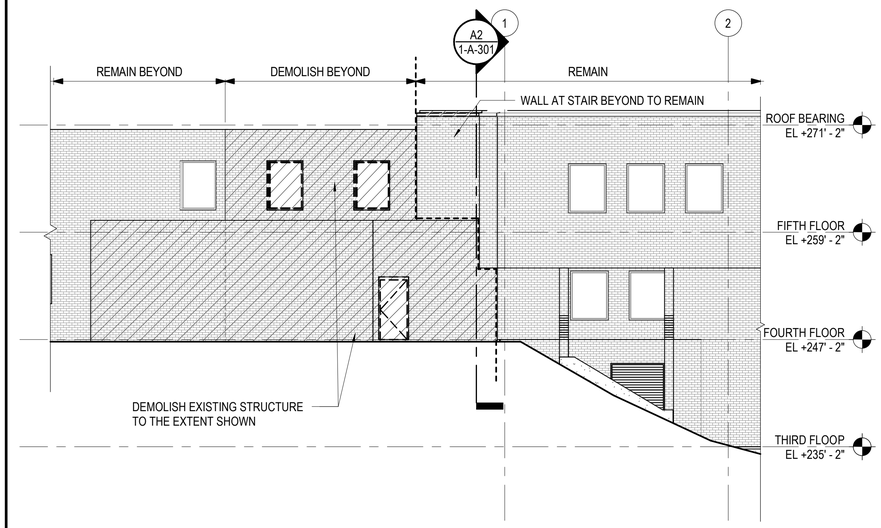
C1 1-A-201 EAST ELEVATION - DEMOLITION
SCALE: 1/8" = 1'-0"



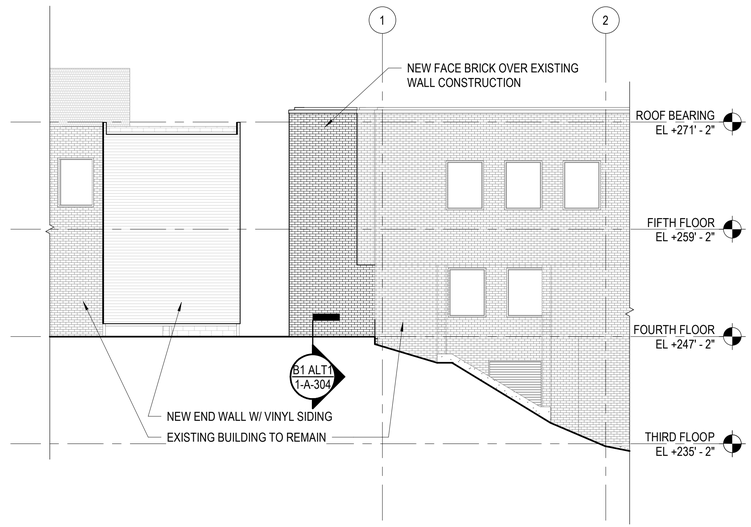
C3 ALT1 1-A-201 EAST ELEVATION - NEW WORK - ALTERNATE 1
SCALE: 1/8" = 1'-0"



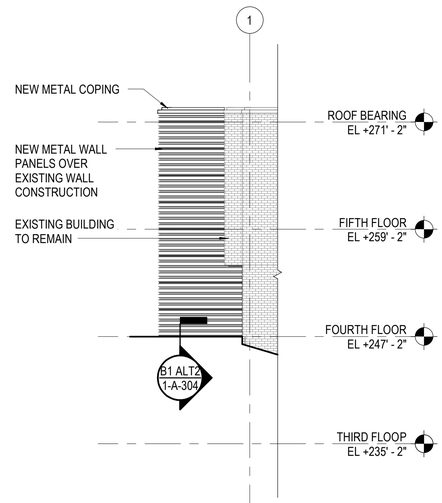
C3 ALT2 1-A-201 EAST ELEVATION - NEW WORK - ALTERNATE 2
SCALE: 1/8" = 1'-0"



A1 1-A-201 WEST ELEVATION - DEMOLITION
SCALE: 1/8" = 1'-0"



A3 ALT1 1-A-201 WEST ELEVATION - NEW WORK - ALTERNATE 1
SCALE: 1/8" = 1'-0"



A3 ALT2 1-A-201 WEST ELEVATION - NEW WORK - ALTERNATE 2
SCALE: 1/8" = 1'-0"

MARK	REVISIONS	DATE	BY	DES
1	CD Revisions	05.15.2020		
4	Amended Permit	05.31.2121		

DATE	06.18.2021		
PROJECT	13356.28		
DESIGNED	KDL		
DRAWN	DWH		
CHECKED	KDL		

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Arlington, Virginia 22206
(703)998-0101

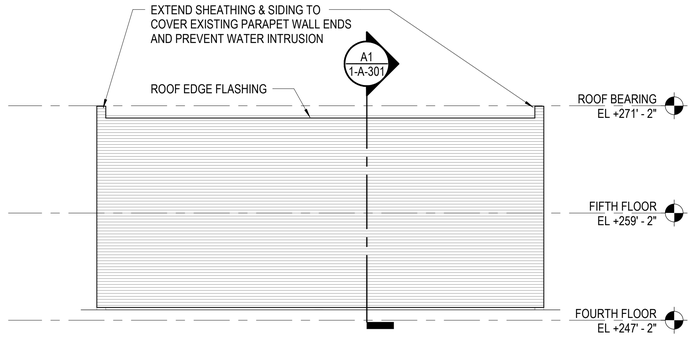
COMMONWEALTH OF VIRGINIA
KEITH DOUGLAS LEONARD
Lic. No. 011302
ARCHITECT
6/1/2021

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

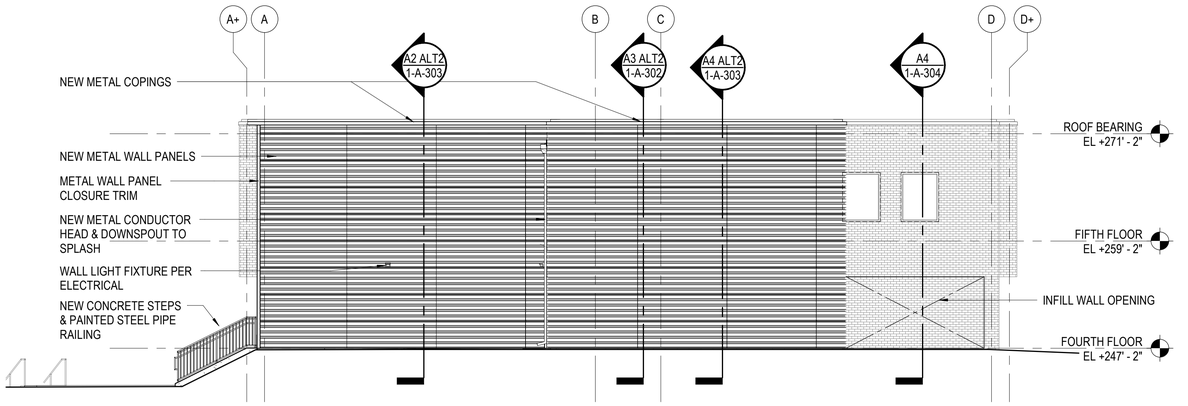
DRAWING EAST AND WEST ELEVATIONS - DEMOLITION AND NEW WORK

SHEET
1-A-201

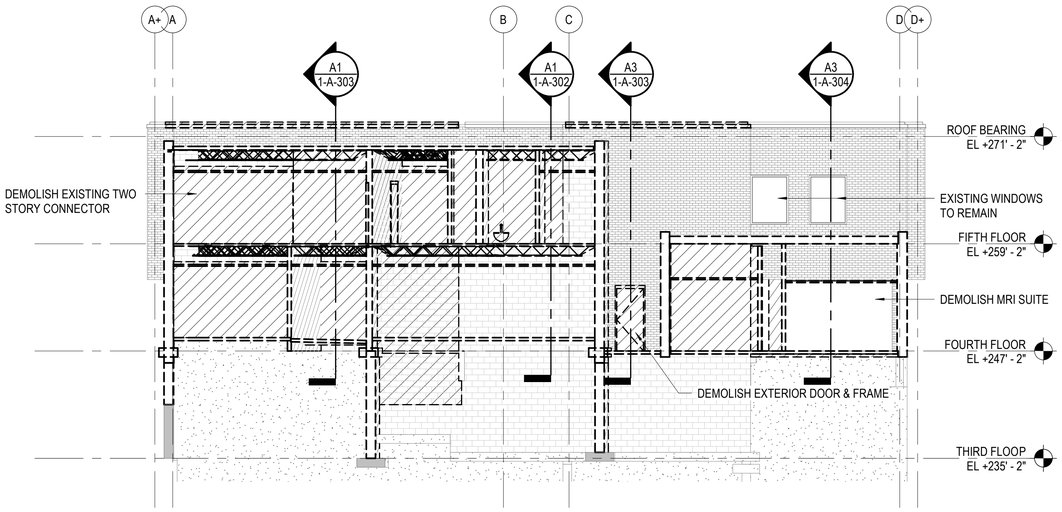
6/15/2021 11:45:51 AM BIM 360://13356-28 Virginia Hospital Center/13356-28 v20 Virginia Hospital Center - Arch.rvt



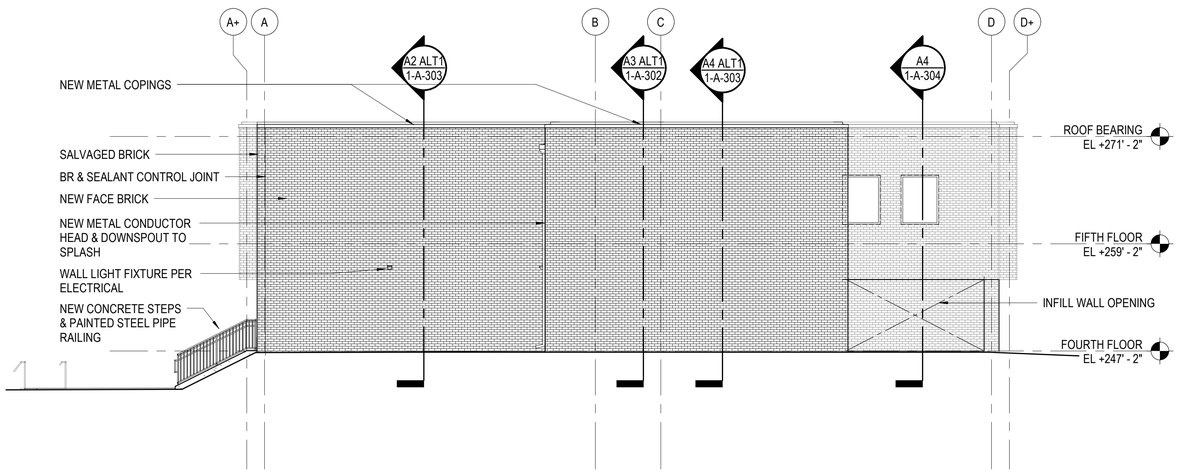
C1 1-A-202 **TEMPORARY END WALL ELEVATION**
SCALE: 1/8" = 1'-0"



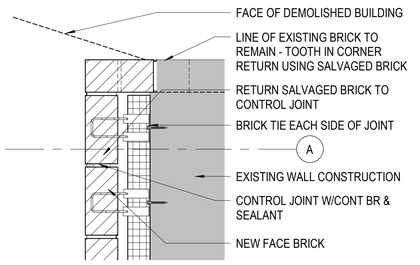
B3 ALT2 1-A-202 **NORTH ELEVATION - NEW WORK - ALTERNATE 2**
SCALE: 1/8" = 1'-0"



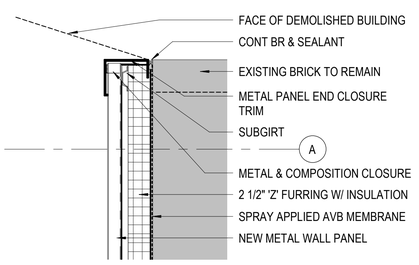
B1 1-A-202 **NORTH ELEVATION - DEMOLITION**
SCALE: 1/8" = 1'-0"



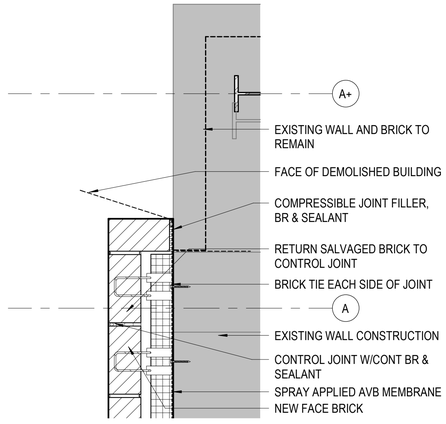
B3 ALT1 1-A-202 **NORTH ELEVATION - NEW WORK - ALTERNATE 1**
SCALE: 1/8" = 1'-0"



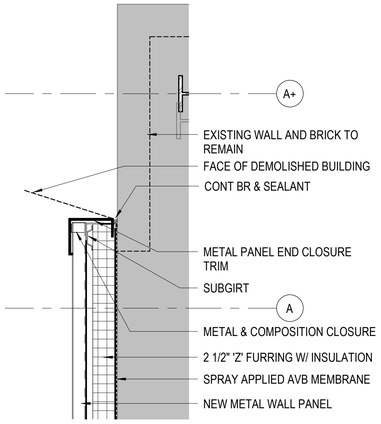
A1 ALT1 1-A-202 **CORNER DETAIL AT FOURTH FLOOR - ALTERNATE 1**
SCALE: 1 1/2" = 1'-0"



A1 ALT2 1-A-202 **CORNER DETAIL AT FOURTH FLOOR - ALTERNATE 2**
SCALE: 1 1/2" = 1'-0"



A3 ALT1 1-A-202 **CORNER DETAIL AT FIFTH FLOOR - ALTERNATE 1**
SCALE: 1 1/2" = 1'-0"



A3 ALT2 1-A-202 **CORNER DETAIL AT FIFTH FLOOR - ALTERNATE 2**
SCALE: 1 1/2" = 1'-0"

MARK	REVISIONS	DATE	BY	DES
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2	Permit Revisions	07.30.2020		
4	Amended Permit	05.31.2121		

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
CHECKED	KDL

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KEITH DOUGLAS LEONARD
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6/1/2021

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
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DRAWING NORTH ELEVATION - DEMOLITION AND NEW WORK

SHEET
1-A-202

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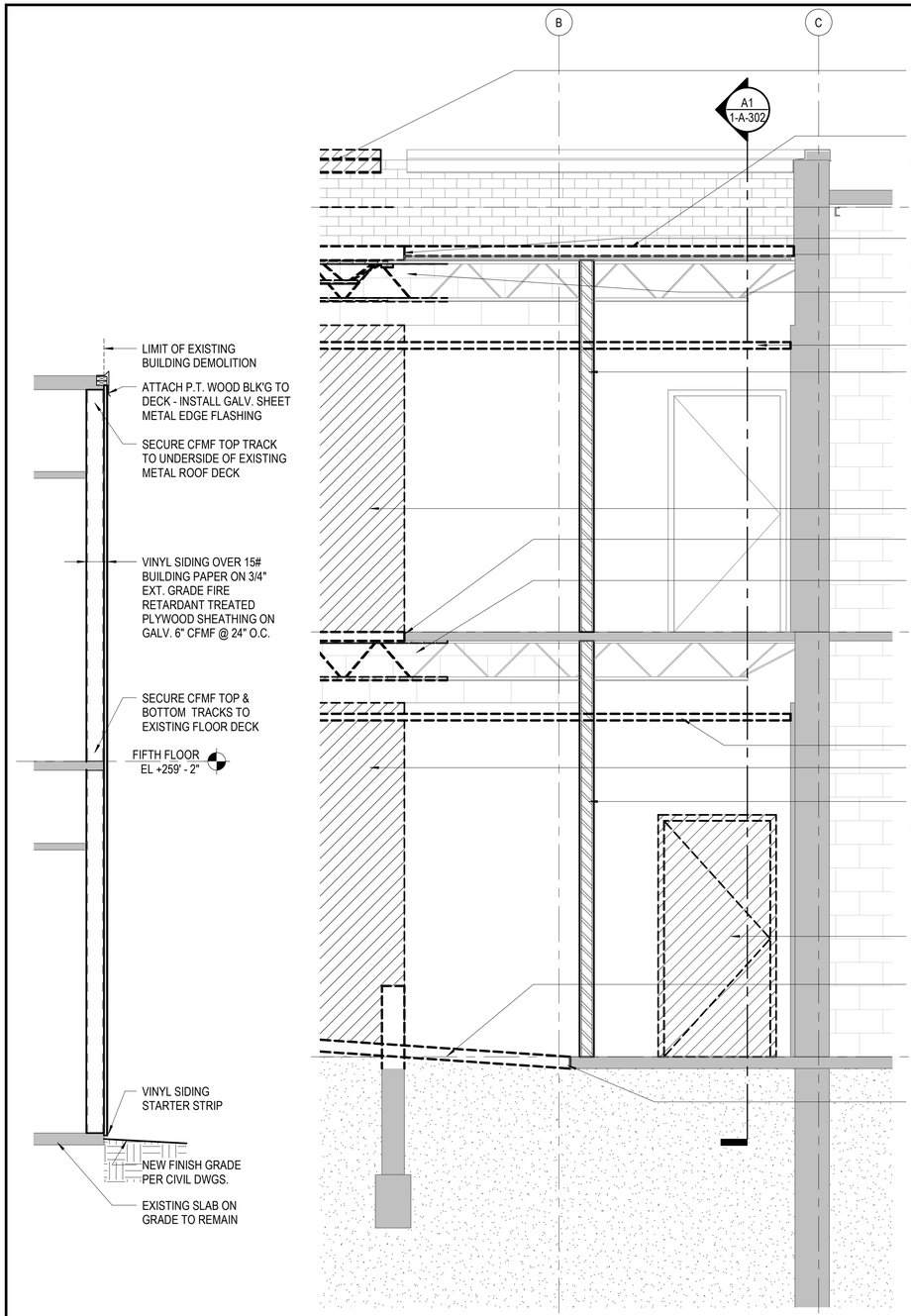
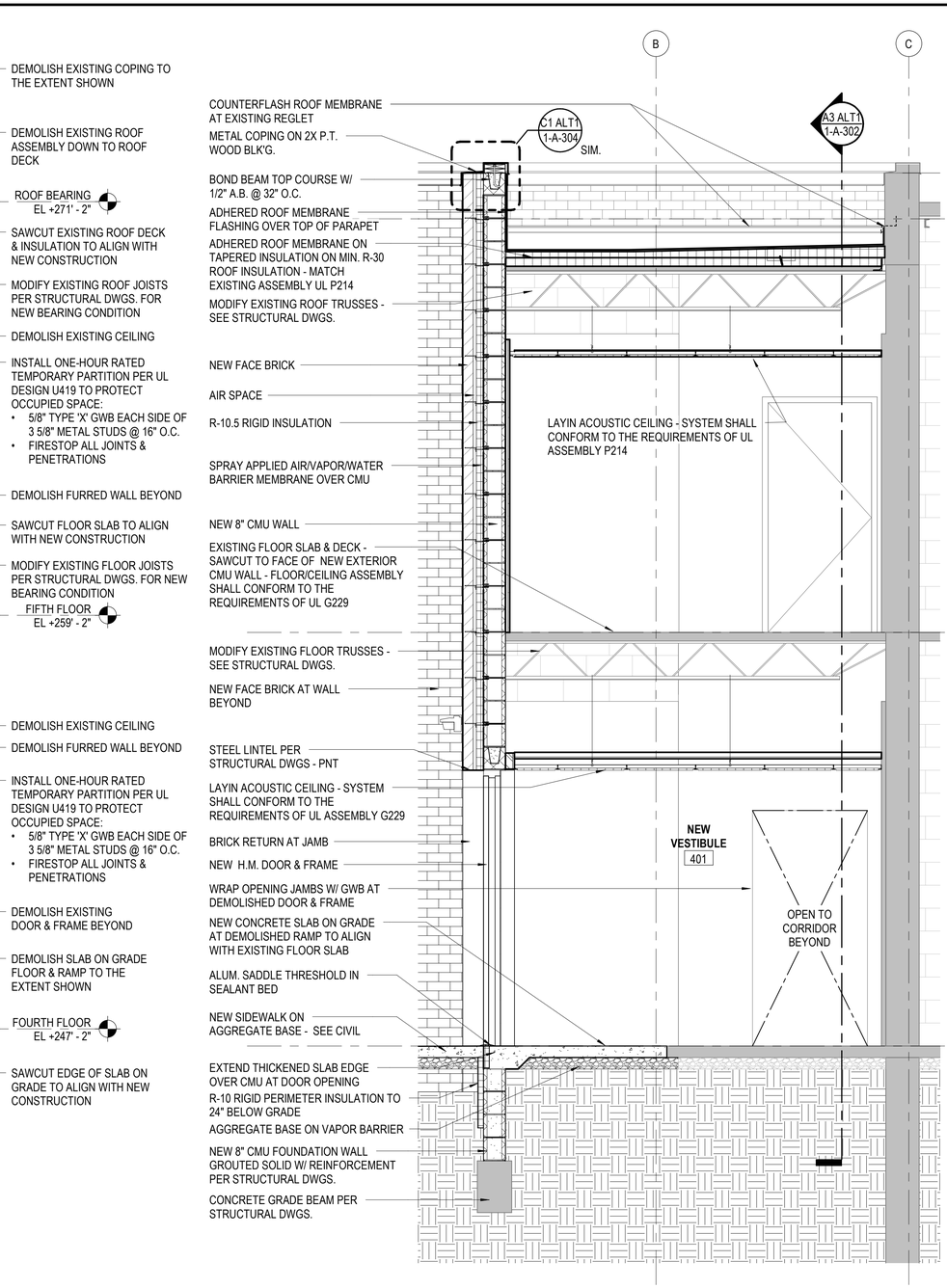
6/15/2021 11:45:53 AM



SECTION AT TEMPORARY END WALL

A1 / 1-A-301 SCALE: 1/2" = 1'-0"

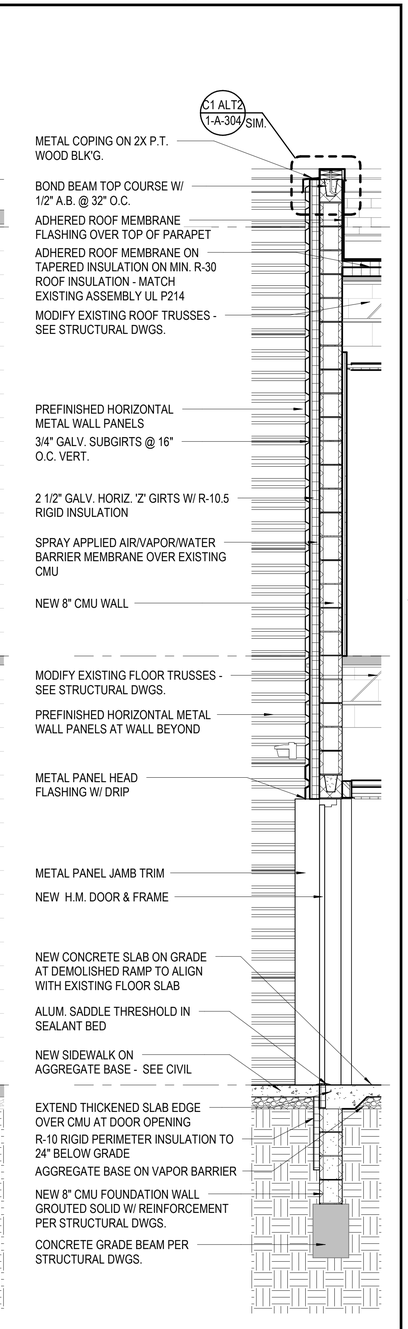


SECTION AT VESTIBULE - DEMOLITION

A2 / 1-A-301 SCALE: 1/2" = 1'-0"

SECTION AT VESTIBULE - NEW - ALTERNATE 1

A3 ALT1 / 1-A-301 SCALE: 1/2" = 1'-0"



SECTION AT VESTIBULE - NEW - ALTERNATE 2

A3 ALT2 / 1-A-301 SCALE: 1/2" = 1'-0"

	MARK	DATE	REVISIONS	BY	DES
1		05.15.2020	CD Revisions		
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DRAWING WALL SECTIONS

SHEET
1-A-301

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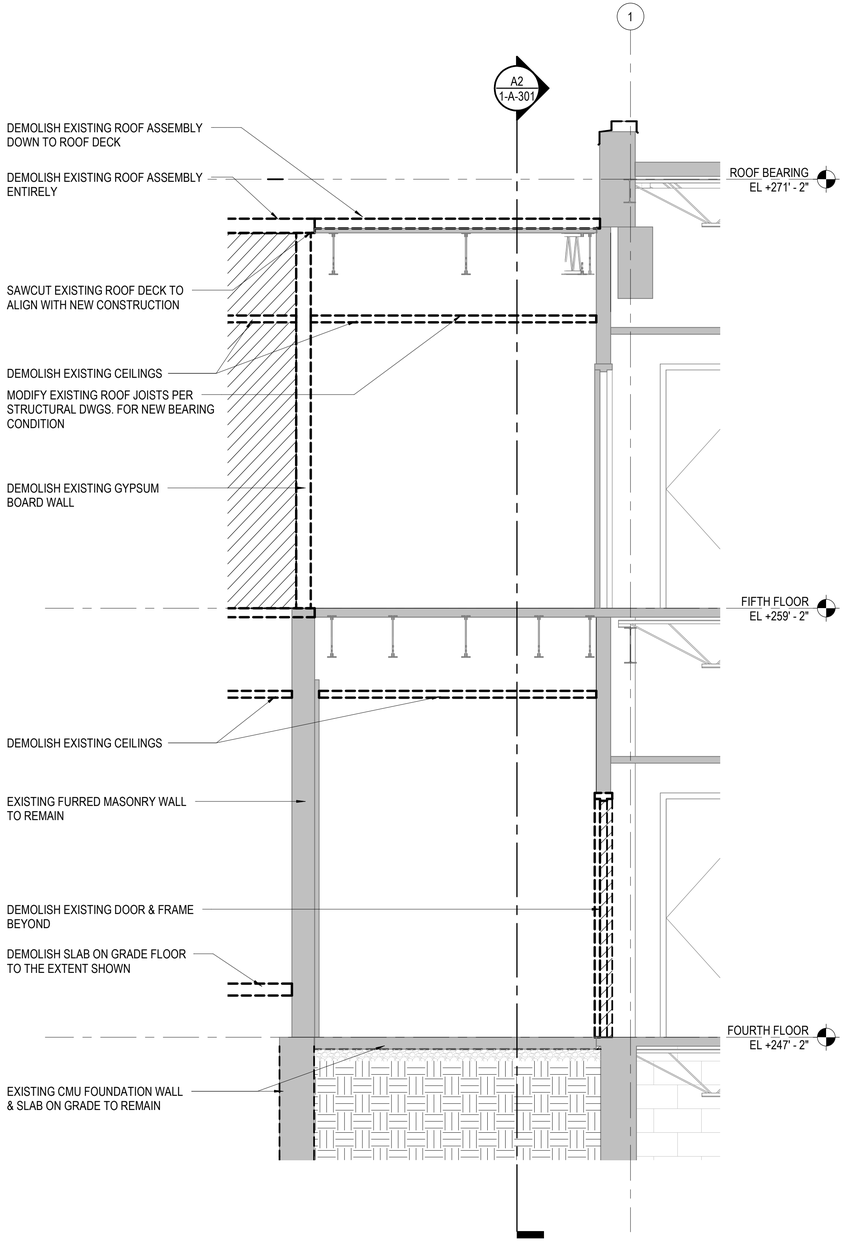
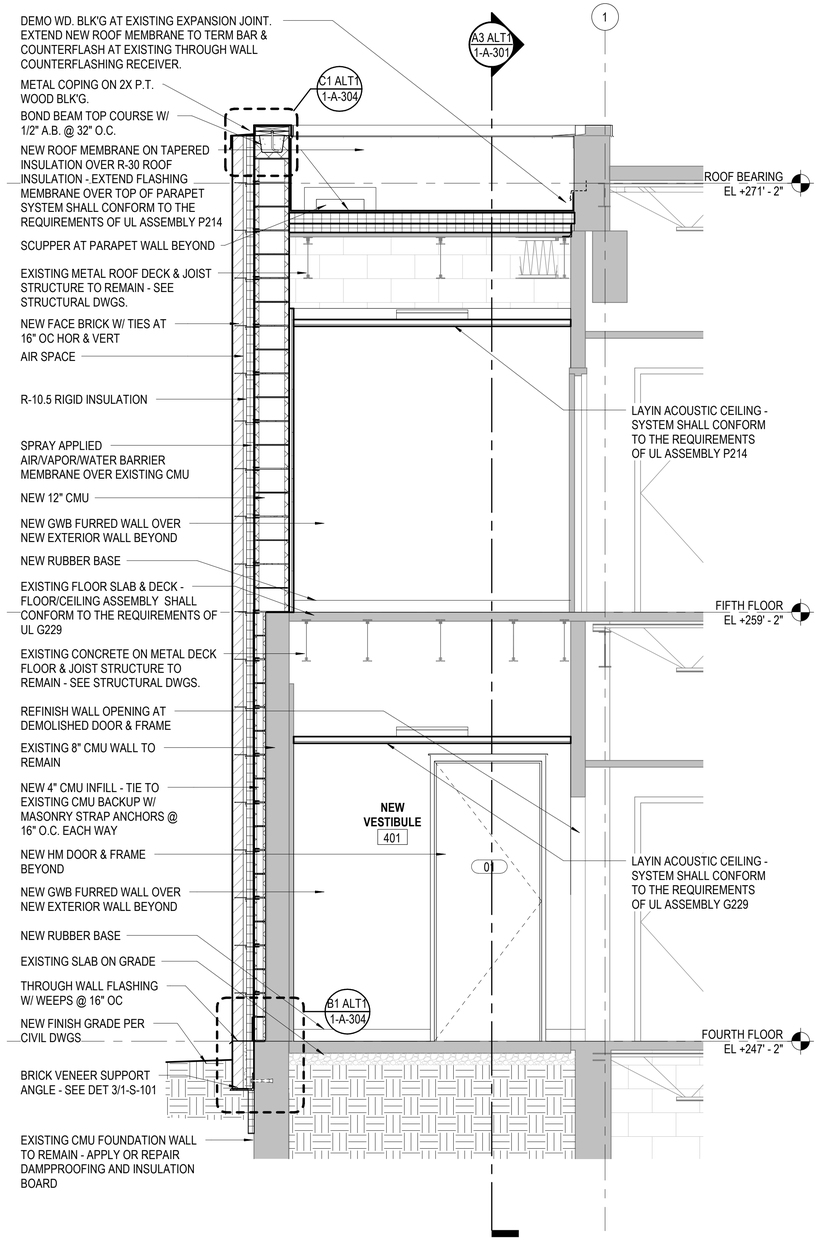
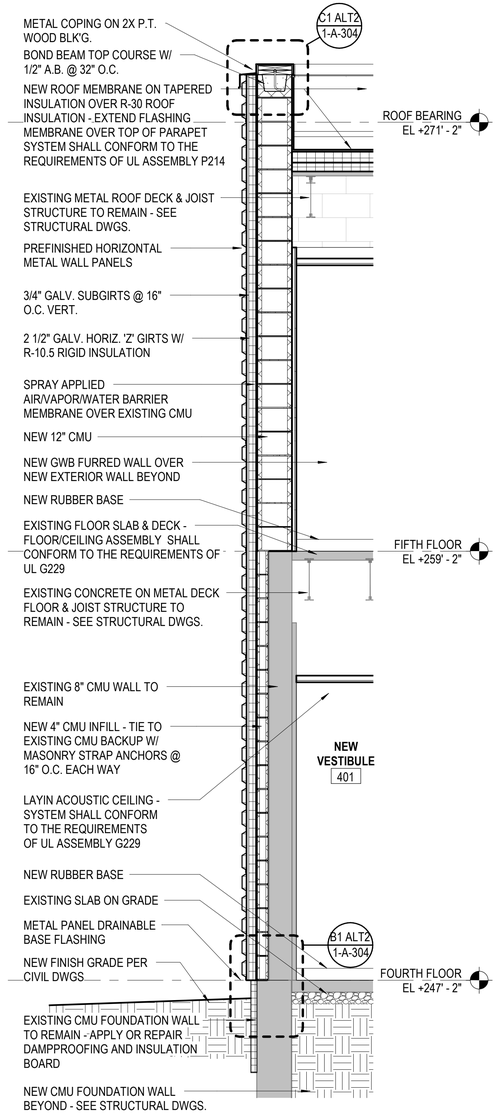


A1 1-A-302 CROSS SECTION AT VESTIBULE - DEMOLITION
SCALE: 1/2" = 1'-0"



A3 ALT1 1-A-302 CROSS SECTION AT VESTIBULE - NEW - ALTERNATE 1
SCALE: 1/2" = 1'-0"



CROSS SECTION AT VESTIBULE - NEW - ALTERNATE 2
A3 ALT2 1-A-302 SCALE: 1/2" = 1'-0"

	MARK	DATE	REVISIONS	BY	DES
1		05.15.2020	CD Revisions		
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DRAWING WALL SECTIONS

SHEET
1-A-302

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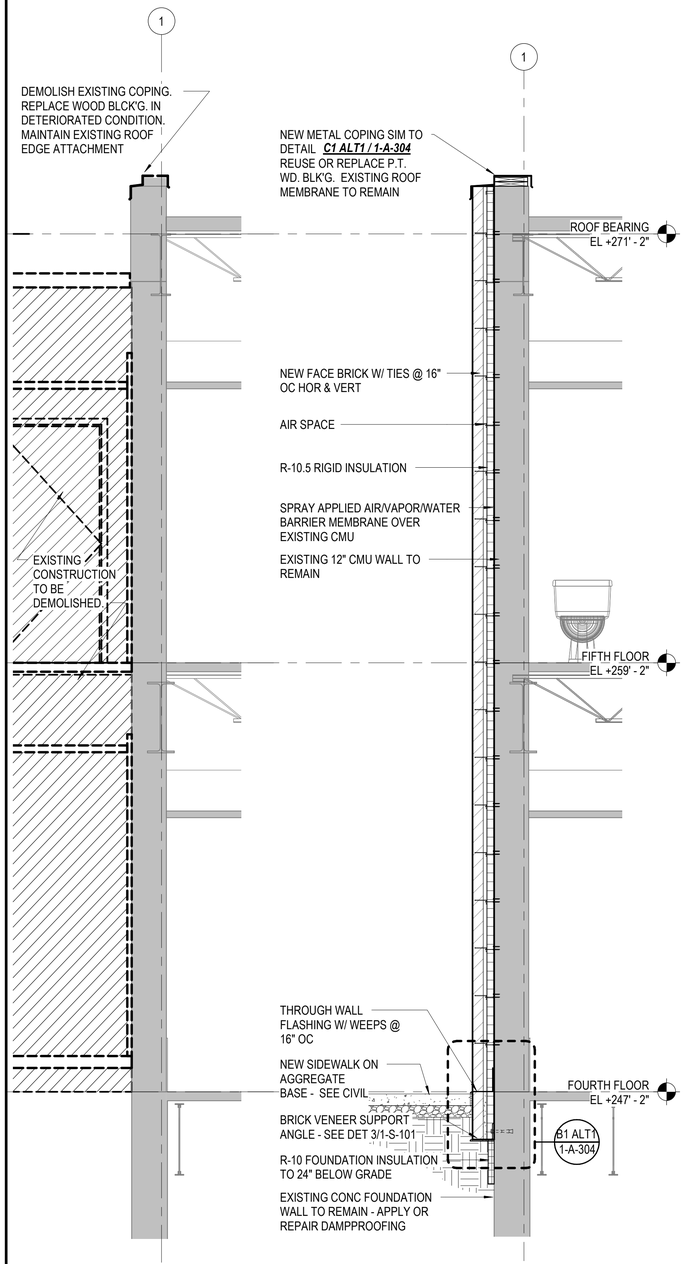
6/15/2021 11:45:55 AM

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

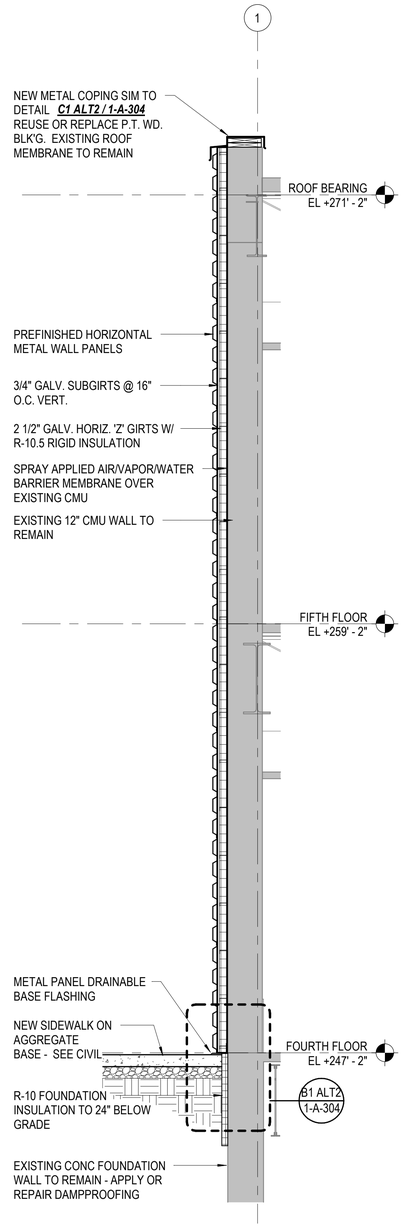


WALL SECTION - DEMOLITION

A1 / 1-A-303 SCALE: 1/2" = 1'-0"

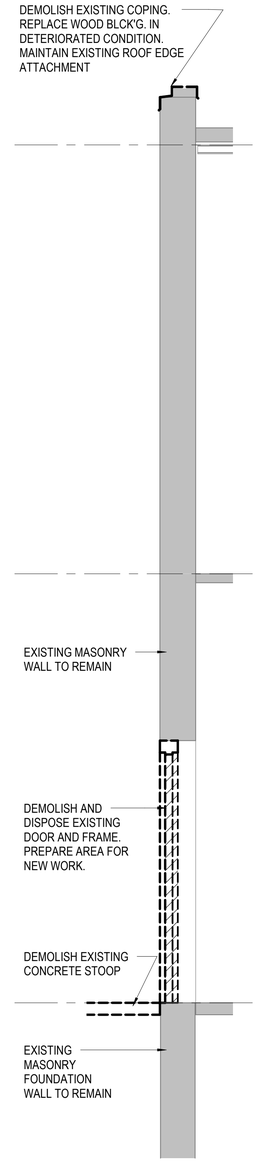
WALL SECTION - NEW WORK - ALTERNATE 1

A2 ALT1 / 1-A-303 SCALE: 1/2" = 1'-0"



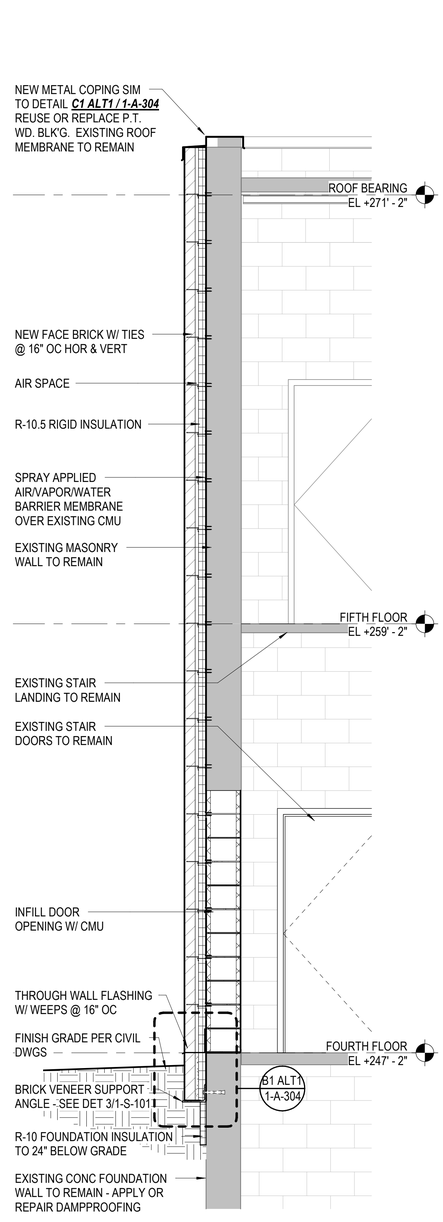
WALL SECTION - NEW WORK - ALTERNATE 2

A2 ALT2 / 1-A-303 SCALE: 1/2" = 1'-0"



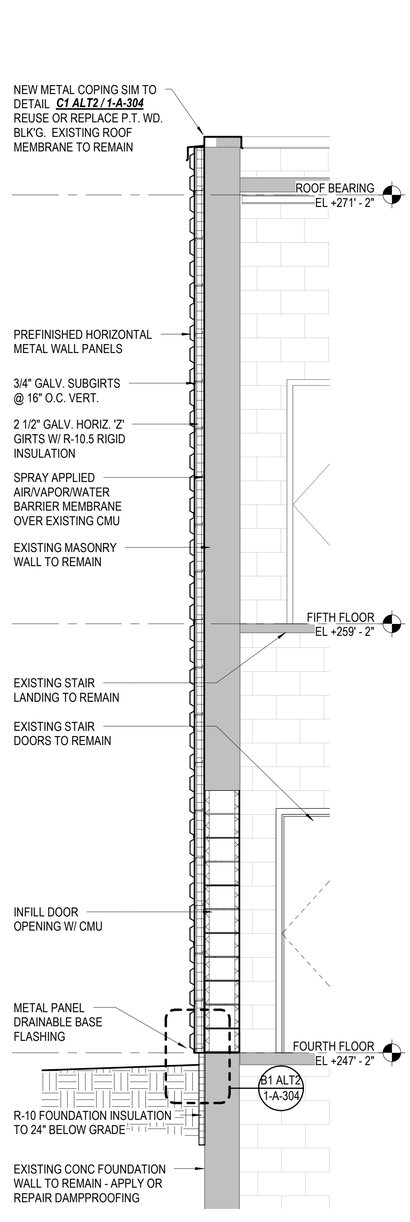
WALL SECTION - DEMOLITION

A3 / 1-A-303 SCALE: 1/2" = 1'-0"



WALL SECTION AT DOOR - NEW WORK - ALTERNATE 1

A4 ALT1 / 1-A-303 SCALE: 1/2" = 1'-0"



WALL SECTION AT DOOR - NEW WORK - ALTERNATE 2

A4 ALT2 / 1-A-303 SCALE: 1/2" = 1'-0"

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

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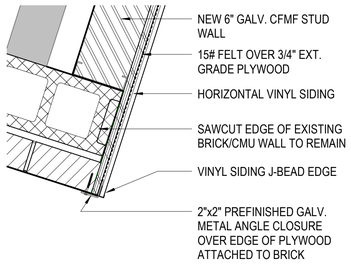
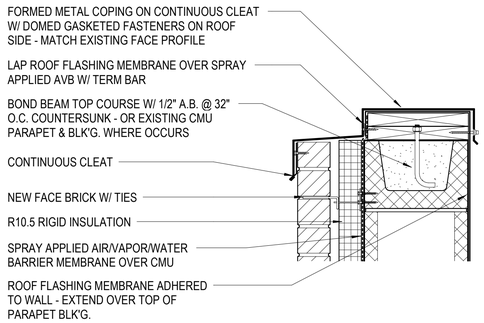
DRAWING WALL SECTIONS

SHEET
1-A-303



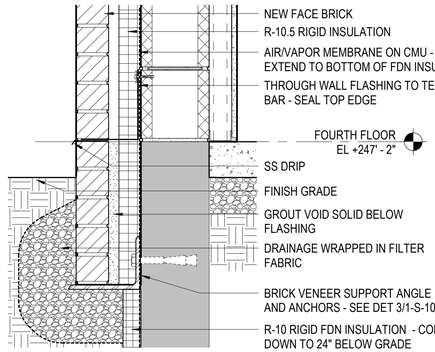
D1 / 1-A-304 TEMP. END WALL EDGE DETAIL

SCALE: 1 1/2" = 1'-0"



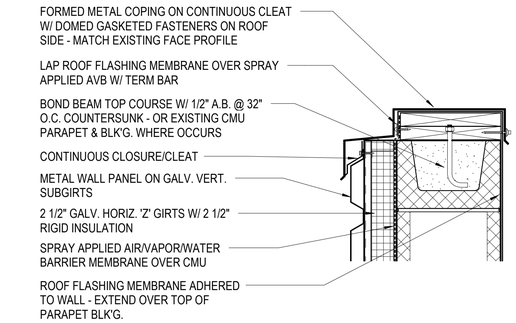
C1 ALT1 / 1-A-304 COPING DETAIL - ALTERNATE 1

SCALE: 1 1/2" = 1'-0"



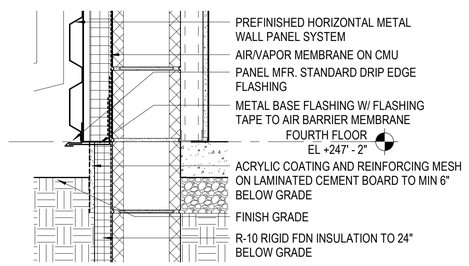
B1 ALT1 / 1-A-304 DETAIL AT BASE OF WALL - ALTERNATE 1

SCALE: 1 1/2" = 1'-0"



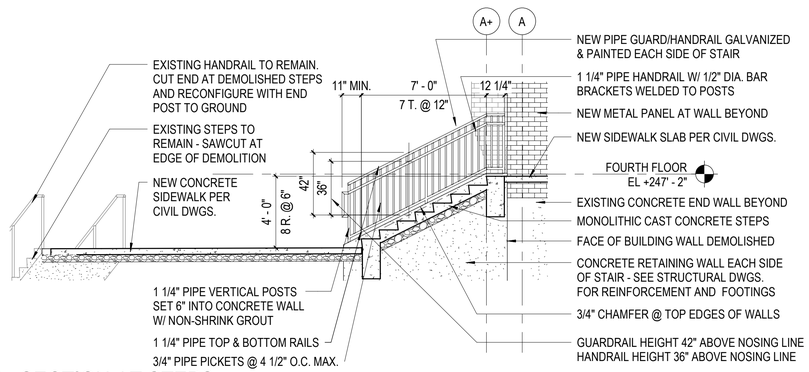
C1 ALT2 / 1-A-304 COPING DETAIL - ALTERNATE 2

SCALE: 1 1/2" = 1'-0"



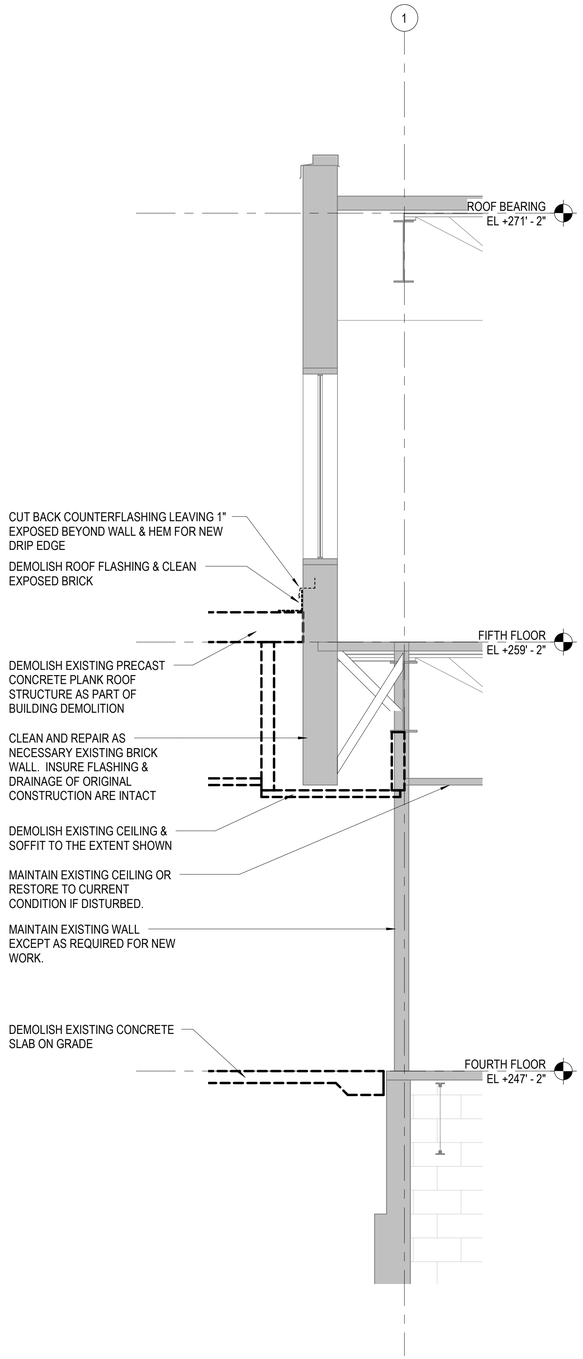
B1 ALT2 / 1-A-304 DETAIL AT BASE OF WALL - ALTERNATE 2

SCALE: 1 1/2" = 1'-0"



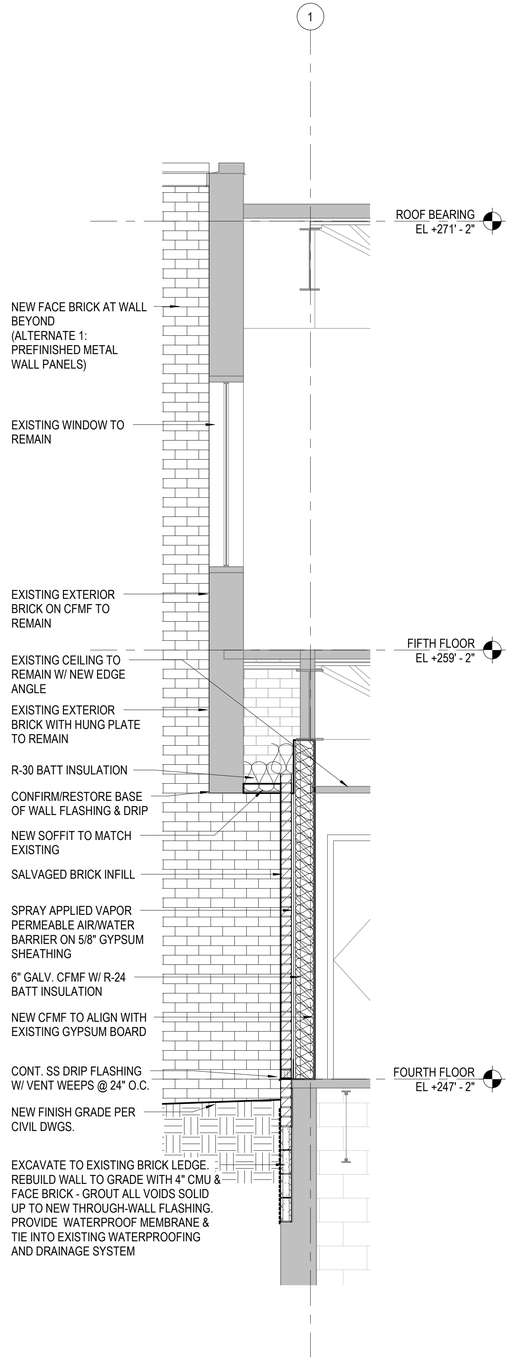
A1 / 1-A-304 SECTION AT STEPS

SCALE: 1/4" = 1'-0"



A3 / 1-A-304 WALL SECTION - DEMOLITION

SCALE: 1/2" = 1'-0"



A4 / 1-A-304 WALL SECTION - NEW WORK

SCALE: 1/2" = 1'-0"

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DRAWING WALL SECTIONS AND MISCELLANEOUS DETAILS

SHEET
1-A-304

STRUCTURAL GENERAL NOTES

A. GENERAL:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE BEGINNING WORK.
3. SECTOPNS AND DETAILS PROVIDED ON THESE DRAWINGS DESCRIBE STANDARD CONSTRUCTION REQUIREMENTS TO BE APPLIED THROUGHOUT THE PROJECT. THE DETAILS SHALL BE ADJUSTED AS REQUIRED TO ACCOUNT FOR VARYING CONDITIONS IN THE FIELD. SIGNIFICANT ADJUSTMENTS SHALL BE PRESENTED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OR FABRICATION. ALL TYPICAL DETAILS SHALL BE REVIEWED BY THE CONTRACTOR AND APPROPRIATE SUBCONTRACTORS PRIOR TO ANY DETAILING, FABRICATION, AND INSTALLATION. ANY CONFLICTS OR CLARIFICATIONS SHALL BE RESOLVED BEFORE BEGINNING WORK.
4. PROVIDE ADEQUATE SHORING AND BRACING DURING CONSTRUCTION UNTIL LOAD FRAMES ARE IN PLACE.
5. COORDINATE SIZE AND INSTALLATION OF ALL OPENINGS, SLEEVES, INSERTS, TIES, EQUIPMENT PADS, EQUIPMENT SUPPORTS, ETC. WITH APPROPRIATE TRADES AND CONTRACT DRAWINGS PRIOR TO INSTALLATION OR FABRICATION.
6. BOTH SIDES OF FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY SO AS TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.

B. DESIGN CRITERIA:

1. CODES: (USE LATEST EDITIONS AS OF DRAWING DATE, UON)
   a. VIRGINIA CONSTRUCTION CODE (VCC) 2015
      INTERNATIONAL BUILDING CODE (IBC) 2015
   b. BUILDING CLASSIFICATION: RISK CATEGORY III
   c. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MINIMUM DESIGN LOADS FOR BUILDINGS 7-10
   c. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318) AS AMENDED BY IBC 2015.
   d. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS ANSI/AISC 360.
   e. DESIGN HANDBOOK OF THE CRSI (CONCRETE REINFORCING STEEL INSTITUTE).

2. GRAVITY LOADS:

a.	ROOF MINIMUM LIVE LOAD	30 PSF (300# CONCENTRATED)
b.	COLLATERAL ROOF LOAD	10 PSF
c.	OFFICE AREAS	50 PSF
d.	CORRIDORS	100 PSF

3. WIND LOADS:

a.	WIND SPEED (Vult)	120 MPH
b.	EXPOSURE	B
c.	INTERNAL PRESSURE COEFFICIENTS	+0.18 & -0.18
d.	WALL COMPONENTS & CLADDING	33.0 PSF & -35.0 PSF

4. SNOW LOAD:

a.	GROUND SNOW LOAD (Pg)	25 PSF
b.	FLAT ROOF SNOW LOAD (Pf)	25 PSF (PLUS DRIFT LOADS)
c.	EXPOSURE FACTOR (Ce)	1.0
d.	THERMAL FACTOR (Ct)	1.0
e.	SLOPE FACTOR (Cs)	1.0
f.	IMPORTANCE FACTOR (Is)	1.1

5. EARTHQUAKE LOAD:

a.	SEISMIC DESIGN CATEGORY	B
b.	SITE CLASS	D
c.	SITE COEFFICIENTS	$F_a = 1.6$; $F_v = 2.4$ $S_{DS} = 0.144$; $S_{D1} = 0.07$
d.	IMPORTANCE FACTOR (Ie)	1.25

6. EARTHWORK:
   a. DESIGN SOILS BEARING PRESSURE: FOUNDATION AND FOOTING
   b. DESIGN BASED ON AN ALLOWABLE BEARING PRESSURE OF 1500 PSF

C. FOUNDATIONS:

1. NEW GRADE BEAM IS DESIGNED TO BEAR ON COMPACTED EXISTING SUBGRADE MATERIALS. REMOVE ANY SOFT OR LOOSE FILL AND REPLACE WITH #57 STONE TO ACHIEVE FULL BEARING.
2. ANY EXISTING LOOSE OR UNCOMPACTED FILL MATERIALS ENCOUNTERED BELOW THE BUILDING SLAB ON GRADE SHALL BE REMOVED AS PART OF THE SITE PREPARATIONS AND EXCAVATION. REPLACE WITH STRUCTURAL ENGINEERED FILL OR COMPACTED #57 STONE DURING BACKFILLING EFFORTS.
3. INSTALL ENGINEERED FILL AND/OR STONE BACKFILL TO ACHIEVE REQUIRED SUBGRADES. ANY SUBGRADES SUPPORTING SLABS ON GRADE SHALL ALSO BE TESTED BY THE THE SOILS ENGINEER PRIOR TO SURFACE STABILIZATION.
4. WHEN BACKFILLING, BOTH SIDES OF SUBGRADE WALLS SHALL BE BACKFILLED SIMULTANEOUSLY TO PREVENT OVERTURNING OR LATERAL MOVEMENT OF WALLS.
5. STRUCTURAL ENGINEERED FILL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATTER AND FALL INTO A USCS GROUP SC, SM, SW, SP, SP-SM, SP-SC, OR GRAVELS. THE LIQUID LIMIT SHALL NOT EXCEED 40 AND THE PLASTIC LIMIT SHALL NOT EXCEED 12. INSTALL WITHIN 2% OF OPTIMAL MOISTURE CONTENT AT 98% OF THE STANDARD PROCTOR ASTM D-698 (THE UPPER 12" SHALL BE AT 100%)
6. ALL EXCAVATIONS SHALL BE INSPECTED, PRIOR TO FILL PLACEMENT AND/OR CONCRETE PLACEMENT, BY THE SOILS ENGINEER TO VERIFY SUITABLE BEARING MATERIAL AND CAPACITIES AS NOTED. ANY AND ALL UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE ENGINEERED FILL MATERIAL FILL MATERIAL AS REQUIRED. SOILS ENGINEER SHALL BE A REGISTERED PROFESSIONAL IN THE COMMONWEALTH OF VIRGINIA.

D. DRILLED AND EPOXIED ADHESIVE ANCHOR BOLTS:

1. ALL DRILLED AND EPOXIED ANCHOR BOLTS PLACED IN CONCRETE SHALL BE HILTI, HAS THREADED RODS WITH HIT HY 200 ADHESIVE SYSTEM OR APPROVED EQUAL (TYP., U.N.O.) ICBO ER-5193. USE HIT HY-270 AT MASONRY ANCHORAGE.
2. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS. ANCHOR SIZES AND EMBEDMENT LENGTHS SHALL BE AS NOTED ON DRAWINGS.

E. CONCRETE:

1. CONCRETE USED IN THE WORK SHALL MEET OR EXCEED THE FOLLOWING COMPRESSIVE STRENGTH AT 28 DAYS:

GRADE BEAM	4000 PSI NORMAL WT
SLABS ON GRADE	4000 PSI NORMAL WT
MASONRY GROUT	3000 PSI NORMAL WT

2. ALL CONCRETE SUBJECT TO FREEZE/THAW CYCLES SHALL BE AIR ENTRAINED
3. SAW-CUT OR TOOLED CONTROL JOINTS (CJ ON PLANS) SHALL BE AS DETAILED. SAW-CUTS ARE TO BE MADE AS SOON AS PRACTICAL WITHOUT DAMAGING THE SURFACE (12 HOURS MAX). TOOLED JOINTS PREFERRED.
4. SLAB CONSTRUCTION JOINTS SHALL BE LOCATED, AS REQUIRED FOR CONSTRUCTION, AT CONTROL JOINT (CJ) LOCATIONS NOTED ON PLANS.
5. PROVIDE ISOLATION JOINTS AT ALL COLUMNS WITH 1/2" PREFORMED JOINT FILLER AS INDICATED ON TYPICAL DETAILS.
6. CONSTRUCTION JOINTS IN WALLS AND SLABS SHALL HAVE REINFORCING CONTINUE THROUGH JOINT UON ON DETAILS. CONSTRUCTION JOINTS ARE TO BE LOCATED BY THE CONTRACTOR, TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE, AND SHALL BE APPROVED BY THE ENGINEER.
7. CUTTING AND/OR CORING CONCRETE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION. NO REINFORCEMENT SHALL BE CUT.
8. EXPOSED CONCRETE EDGES SHALL BE BUILT SQUARE AND RUBBED TO A MINIMUM RADIUS CHAMFER, UNLESS SPECIFIC CHAMFERS ARE CALLED FOR IN DETAILS.
9. SEE ARCHITECTURAL, MECHANICAL ELECTRICAL, & PLUMBING DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES. DO NOT CUT REINFORCEMENT.
10. DEPRESS FLOOR SLABS AS INDICATED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF DEPRESSED AREAS AND DEPTH REQUIREMENTS.

F. REINFORCEMENT:

1. REINFORCING STEEL SHALL BE DEFORMED BARS IN ACCORDANCE WITH ASTM A615 SPECIFICATIONS, GRADE 60.
2. WELDED WIRE FABRIC REINFORCING SHALL CONFIRM TO ASTM A185.
3. MAINTAIN MINIMUM CONCRETE COVERAGE FOR REINFORCING AS SPECIFIED IN ACI-318 AND AS FOLLOWS:
   CONCRETE CAST AGAINST GROUND 3"
   CONCRETE EXPOSED TO GROUND OR WEATHER; #6 & LARGER 2"
   CONCRETE EXPOSED TO GROUND OR WEATHER; #5 & SMALLER 1-1/2"
   CONCRETE NOT EXPOSED TO GROUND OR WEATHER;
      SLABS, WALLS, & JOISTS 1" TOP & 3/4" BOTTOM
      BEAMS & COLUMNS 1-1/2"
4. ALL CONTINUOUS REINFORCING IN FOOTINGS SHALL BE LAP-SPLICED 1'-6". ALL OTHER SPLICE SHALL BE CLASS B TENSION, U.O.N.
5. ALL HOLES IN CONCRETE SLABS AND WALLS SHALL HAVE, ADDITIONALLY. 2 #5 X (OPENING DIM. + 2 FT.) ALONG EACH SIDE OF OPENING AND 2 #5 X 5'-0" DIAGONALLY AT EACH CORNER.
6. DETAILING, FABRICATION, AND INSTALLATION OF REINFORCING BARS SHALL COMPLY WITH THE "DESIGN HANDBOOK OF THE CRSI" AND THE MANUAL OF STANDARD PRACTICE OF THE ACI.
7. PROVIDE DOWELS TO MATCH REINFORCEMENT IN ALL WALLS, PIERS, COLUMNS, AND FOUNDATIONS.

G. MASONRY:

1. MASONRY DESIGNED BY THE ALLOWABLE STRESS DESIGN PROVISIONS OF IBC SECTION 2101.2.1.
2. CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI @ 28 DAYS AND BE NORMAL WEIGHT.
3. MORTAR SHALL BE TYPE M OR S.
4. MINIMUM CONCRETE PRISM STRENGTH (f'm) SHALL BE 1500 PSI.
5. REINFORCEMENT AND CONCRETE FILL ARE NOTED ABOVE.
6. ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID.
7. ALL MASONRY CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID.
8. SOLID MASONRY PIERS, IDENTIFIED AS SMP ON PLAN, SHALL BE GROUTED SOLID FULL HEIGHT OF WALL TO FOUNDATION.
9. INSTALL LINTELS AT ALL OPENINGS IN MASONRY WALLS. REFER TO LINTEL SCHEDULE AND ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATIONS. PRECAST CONCRETE LINTELS ARE NOT ACCEPTABLE IN ANY LOCATIONS EXPOSED TO VIEW.
10. MASONRY CONSTRUCTION SHALL BE INSPECTED AND VERIFIED IN ACCORDANCE WITH TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6 LEVEL B QUALITY ASSURANCE PROGRAM REQUIREMENTS.

H. DEMOLITION NOTES:

1. PHASE 1 PROJECT INCLUDES THE PARTIAL DEMOLITION AND REMOVAL OF THE BUILDING ADJACENT TO THE EXISTING PHYSICIAN'S OFFICE BUILDING AND EXPANDED STAIR TOWER ATTACHED THERETO.
2. THE STRUCTURAL DEMOLITION SHALL BE SCHEDULED AFTER ANY AND ALL INTERIOR DEMOLITION IS COMPLETE FOR SAFETY CONCERNS.
3. DEBRIS, INCLUDING BRICK, CONCRETE, STONE, METALS AND SIMILAR MATERIALS FROM THE DEMOLITION SHALL BECOME PROPERTY OF CONTRACTOR AND SHALL BE DISPOSED OF DAILY OFF SITE TO AVOID ACCUMULATION AT THE DEMOLITION SITE.
4. MATERIALS THAT CANNOT BE REMOVED DAILY SHALL BE STORED IN AREAS THAT WILL NOT CURTAIL OPERATIONS OR DIVERT STORM RUN-OFF.
5. DEMOLITION SHALL BE SCHEDULED AND PROSECUTED TO ASSURE STABILITY OF THE REMAINING STRUCTURE AT THE END OF EACH WORKDAY.
6. BREAK UP CONCRETE SLABS, WALLS, AND FOUNDATION AND REMOVE FROM THE SITE.
7. CONTRACTOR SHALL DISPOSE DEBRIS IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL PERMITS, RULES AND/OR REGULATIONS.

J. SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED FOR SOILS, CONCRETE, STEEL, AND LIGHT GAGE FRAMING CONSTRUCTION, IN ACCORDANCE WITH THE VIRGINIA CONSTRUCTION CODE AND IBC 2015; CHAPTER 17.
2. REFER TO STATEMENT OF SPECIAL INSPECTIONS FOR APPLICABLE ITEMS.
3. PROVIDE SPECIAL INSPECTIONS ENGINEER OF RECORD AND TESTING AGENCY FULL ACCESS TO SITE AND CONSTRUCTION.

MARK	DATE	REVISIONS	BY	DES

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	BTV
DRAWN	BTV
CHECKED	RKS

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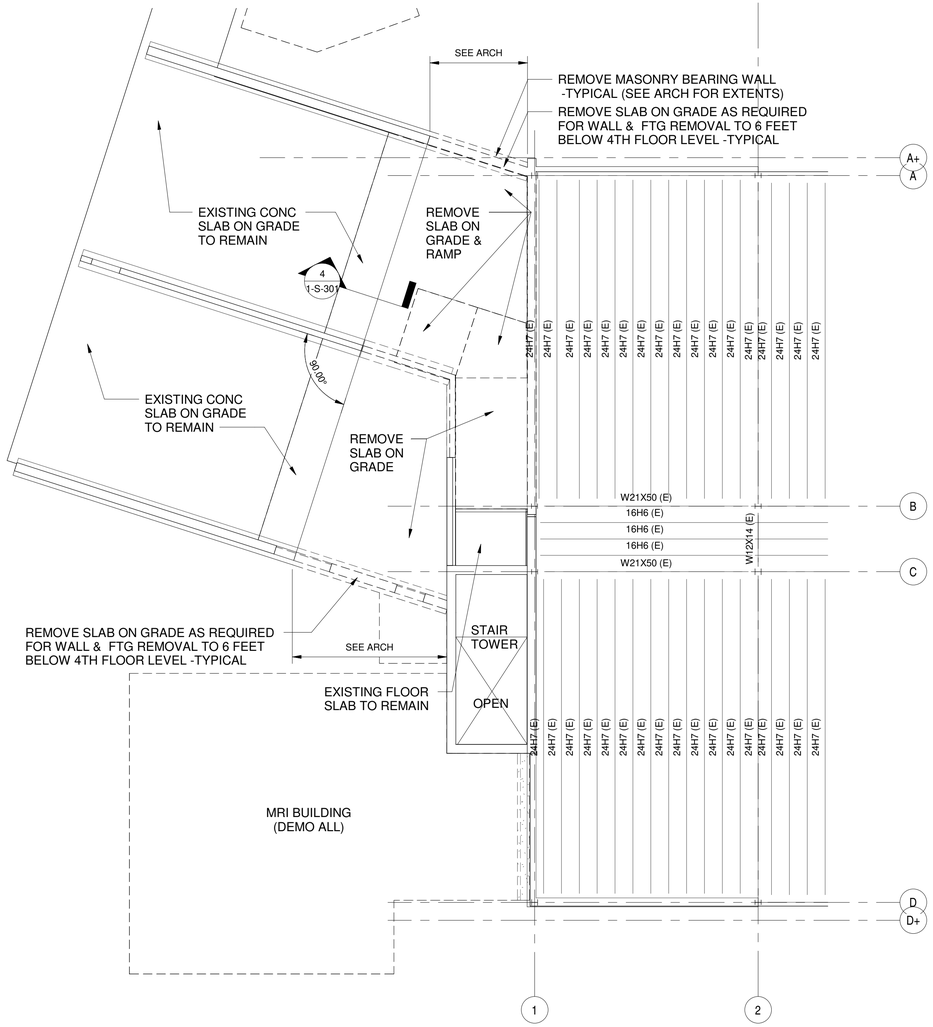
Project #: 2019322.00

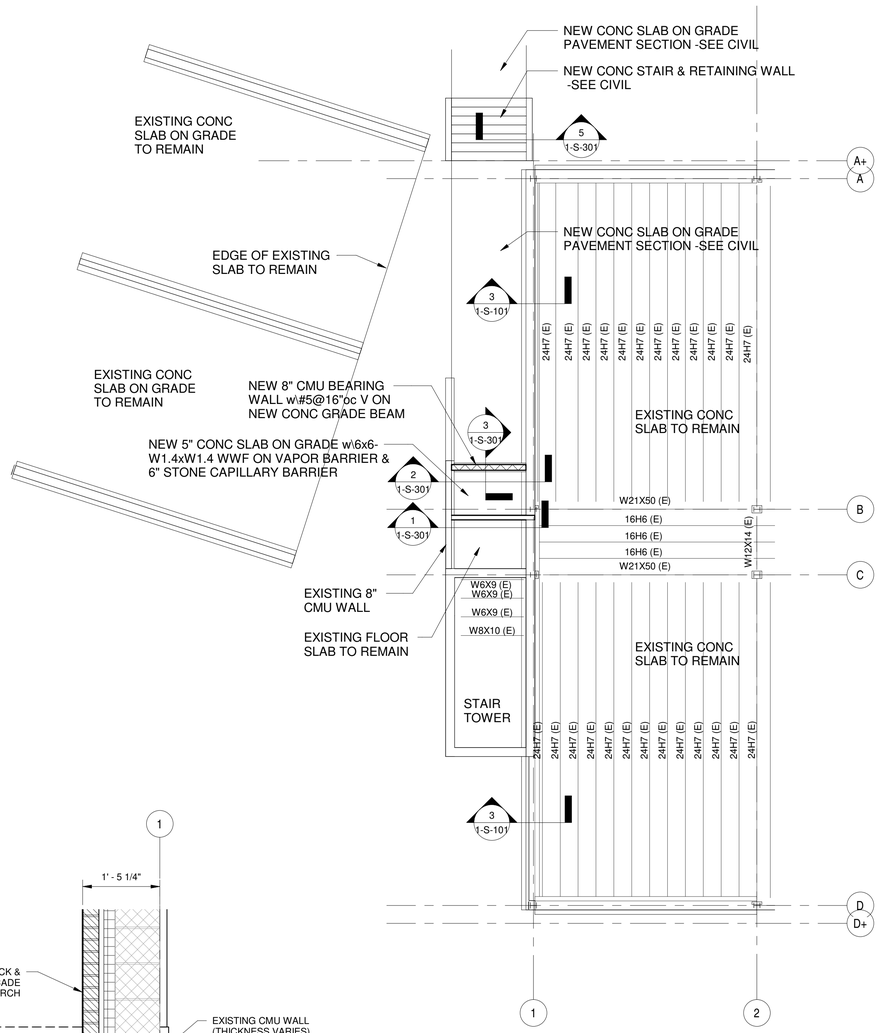
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING STRUCTURAL GENERAL NOTES

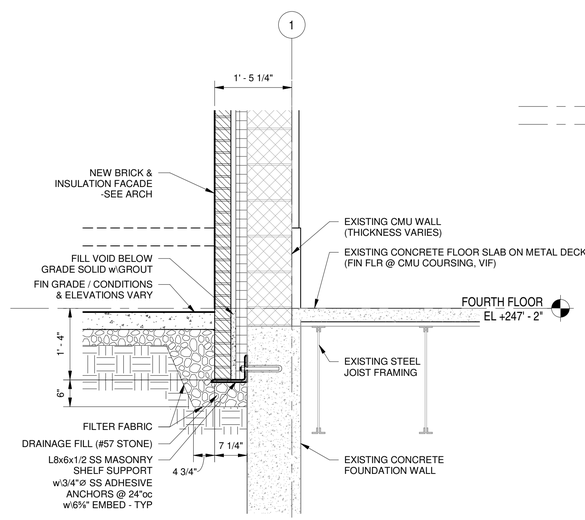
SHEET
1-S-001



1 1-S-101 FOURTH FLOOR FRAMING - DEMOLITION 1/8" = 1'-0"



2 1-S-101 FOURTH FLOOR FRAMING- NEW WORK 1/8" = 1'-0"



NOTE: FOR ALTERNATE #1 ONLY

3 1-S-101 SECTION 3/4" = 1'-0"

	DES	BY	DATE	MARK	REVISIONS
			5-15-2020	1	CD Revisions
			5-31-2021	4	Amended Permit

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PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING FOURTH FLOOR FRAMING- DEMOLITION & NEW WORK

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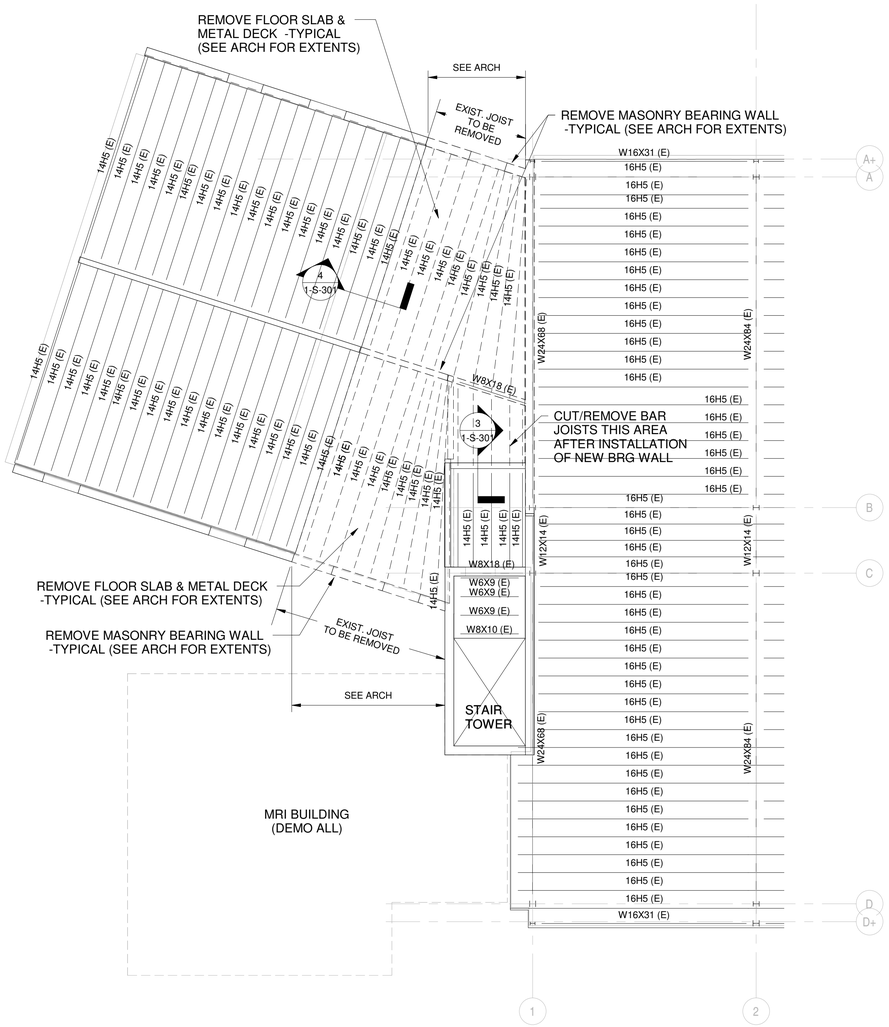
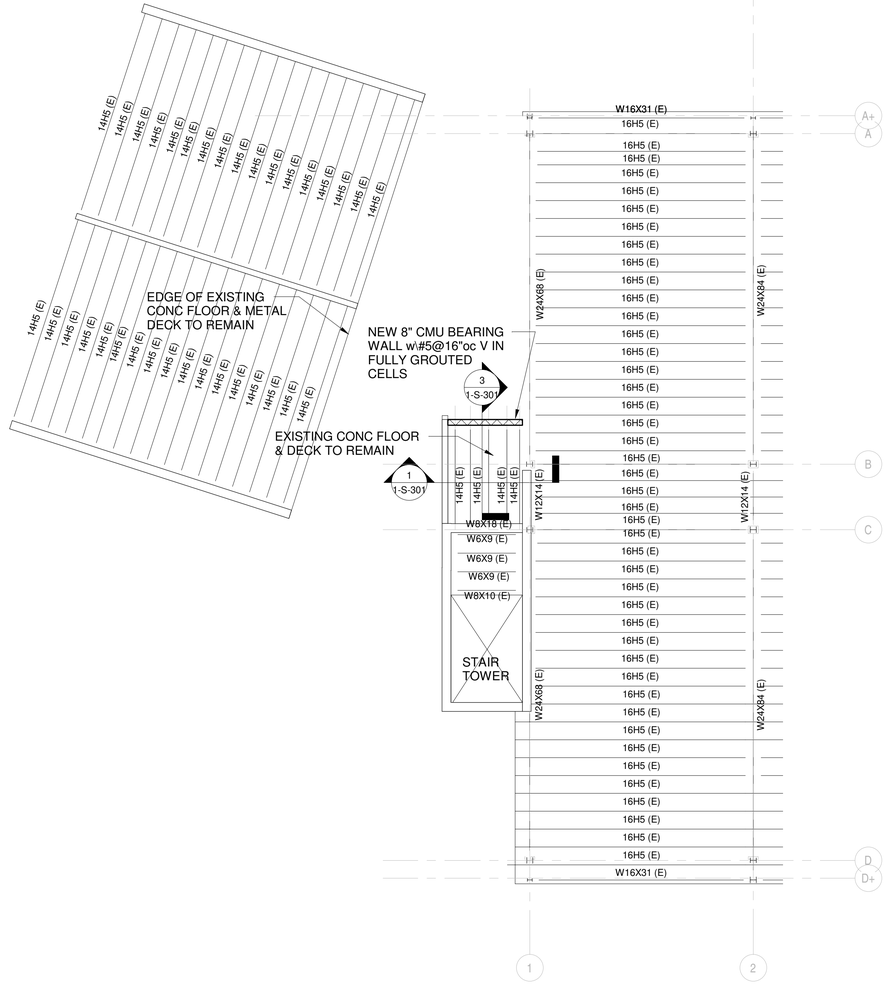
SHEET
1-S-101



1 FIFTH FLOOR FRAMING - DEMOLITION
1-S-102 1/8" = 1'-0"



2 FIFTH FLOOR FRAMING - NEW WORK
1-S-102 1/8" = 1'-0"

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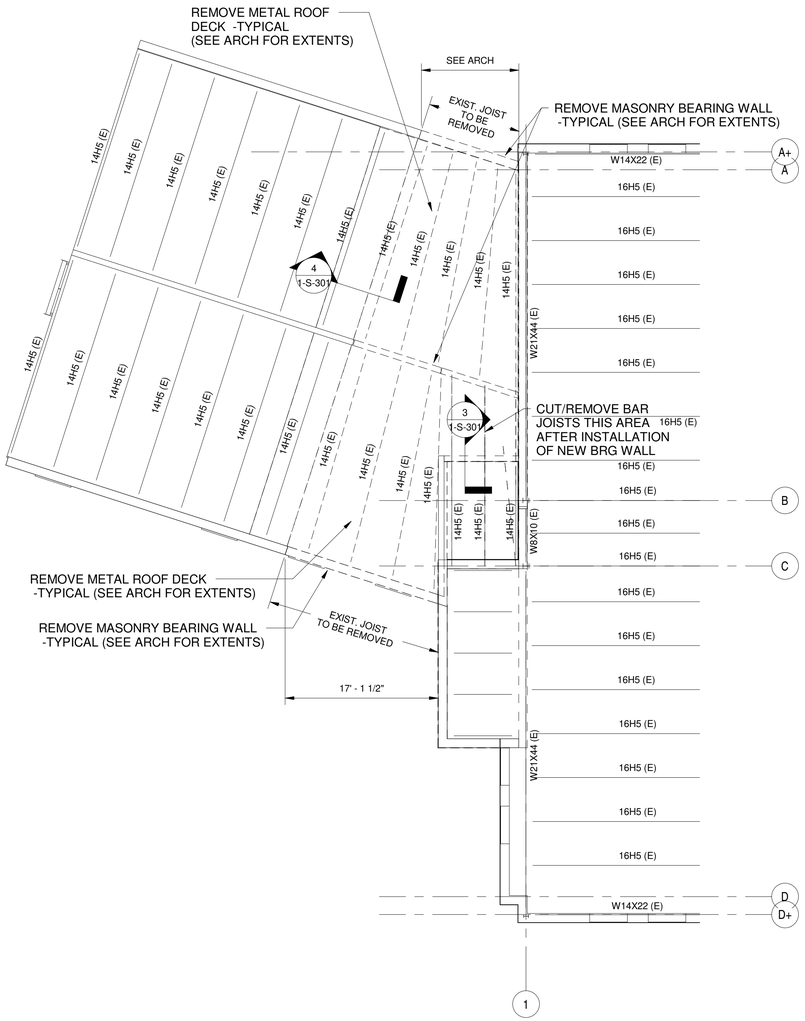
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING FIFTH FLOOR FRAMING - DEMOLITION & NEW WORK

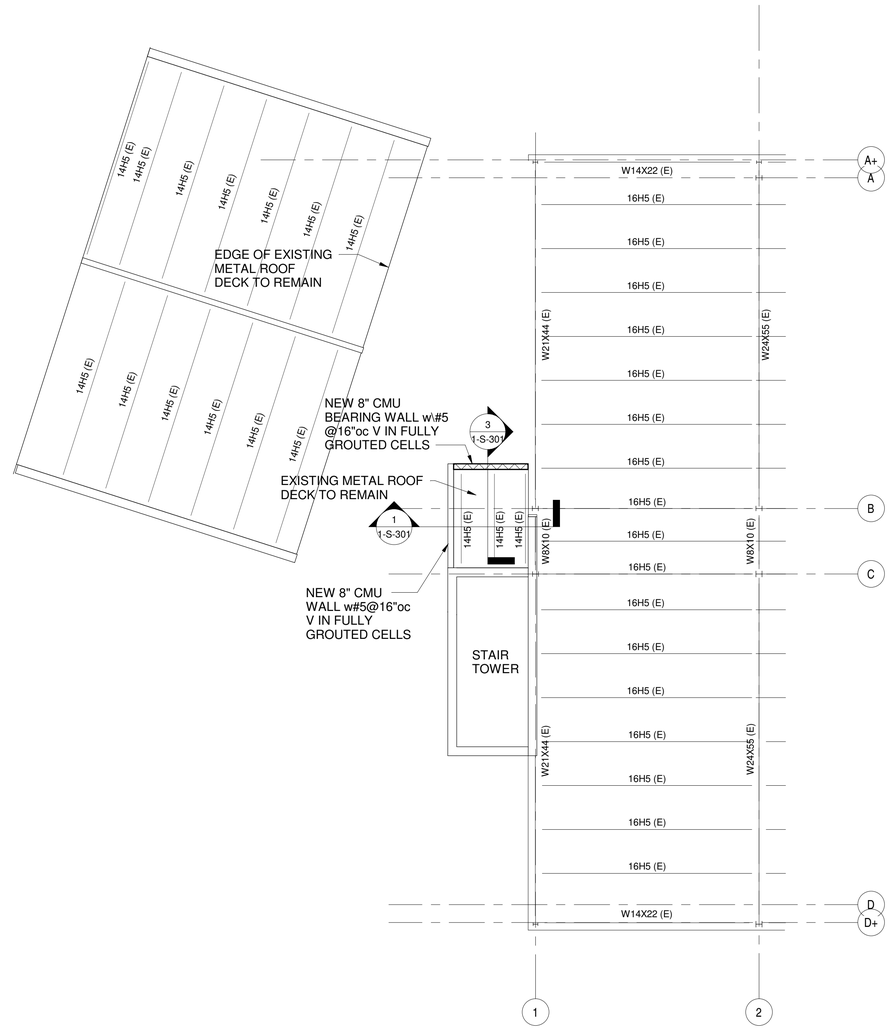
SHEET
1-S-102

BIM 360://13356.28 Virginia Hospital Center/2019322200 v20 - Structural.rvt
6/18/2021 11:52:54 AM

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



1 ROOF BEARING FRAMING - DEMOLITION
1-S-103 1/8" = 1'-0"



2 ROOF BEARING FRAMING - NEW WORK
1-S-103 1/8" = 1'-0"

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DATE	06.18.2021
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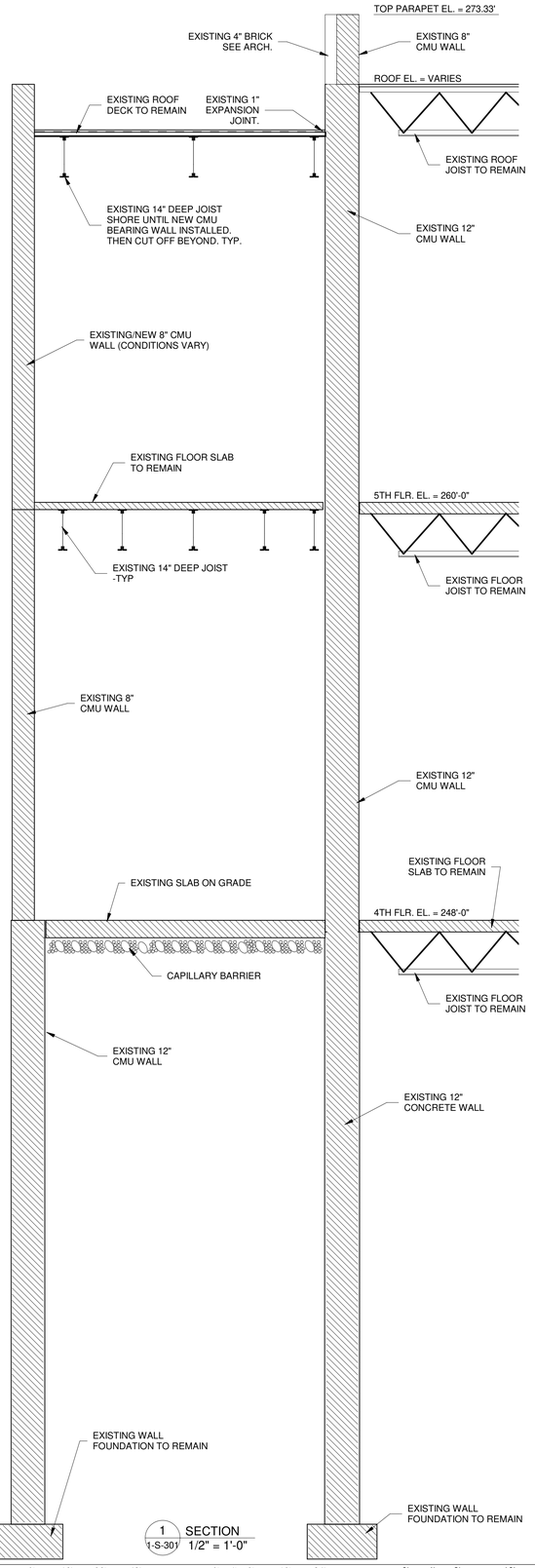
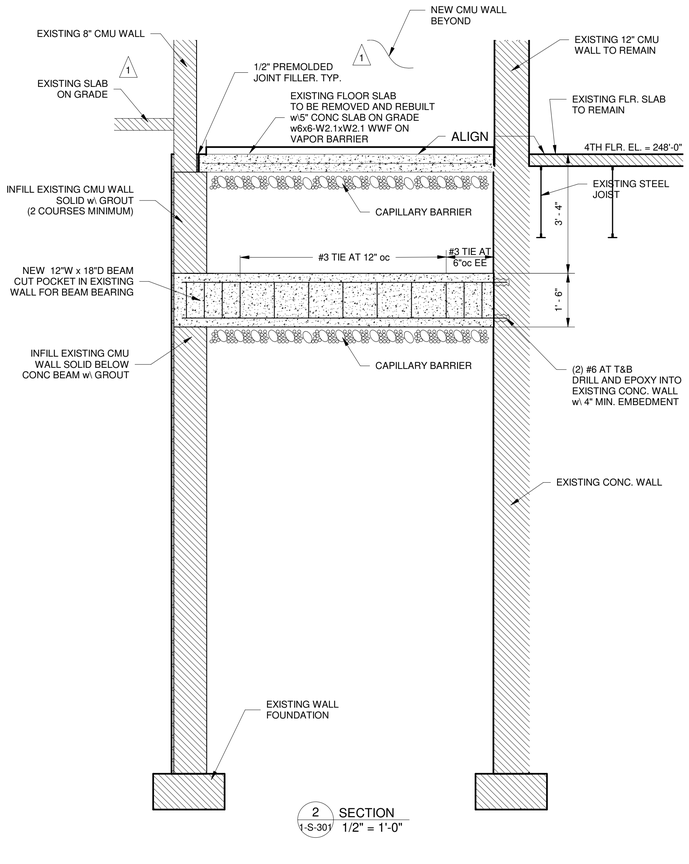
PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING ROOF FRAMING - DEMOLITION & NEW WORK

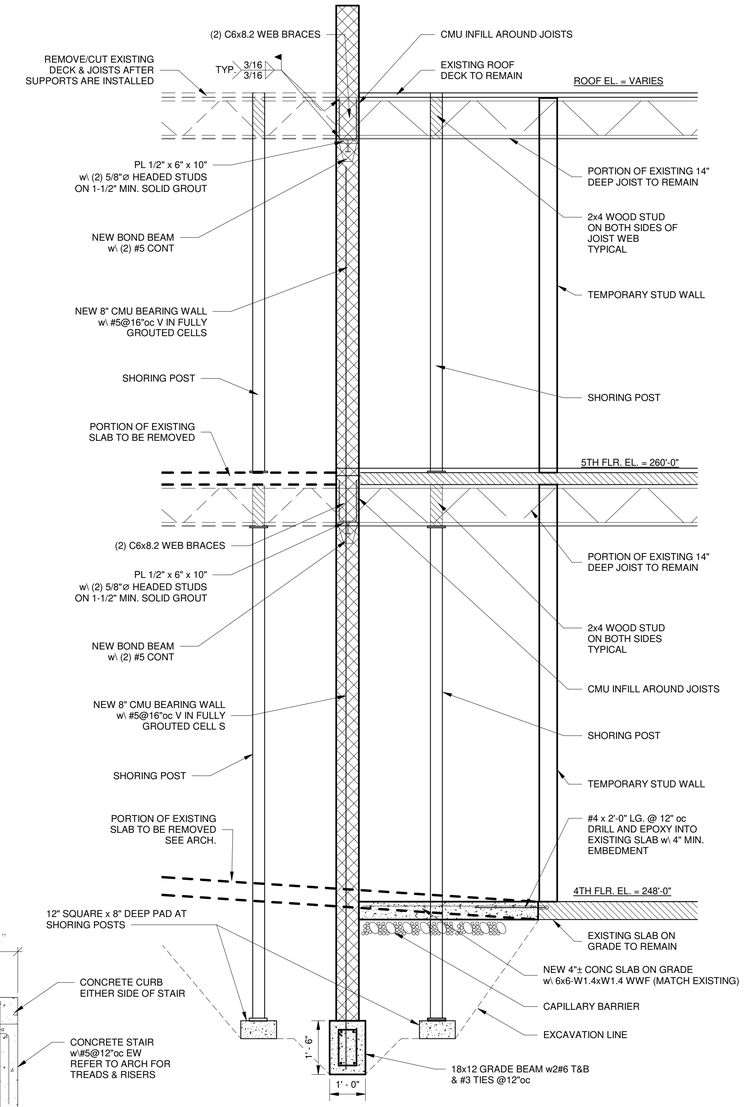
SHEET
1-S-103



1 SECTION 1-S-301 1/2" = 1'-0"

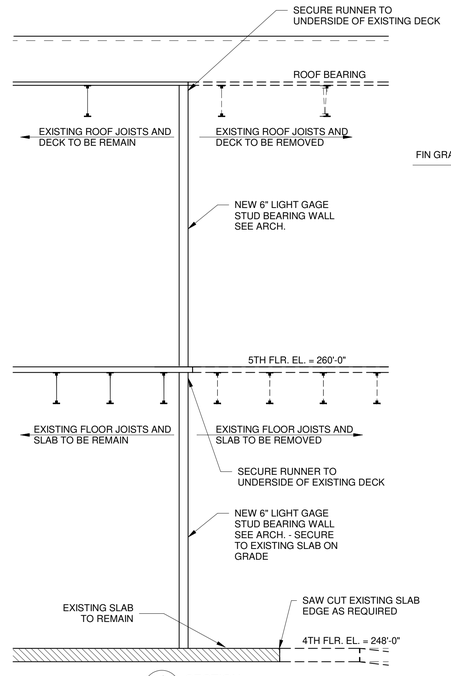


2 SECTION 1-S-301 1/2" = 1'-0"

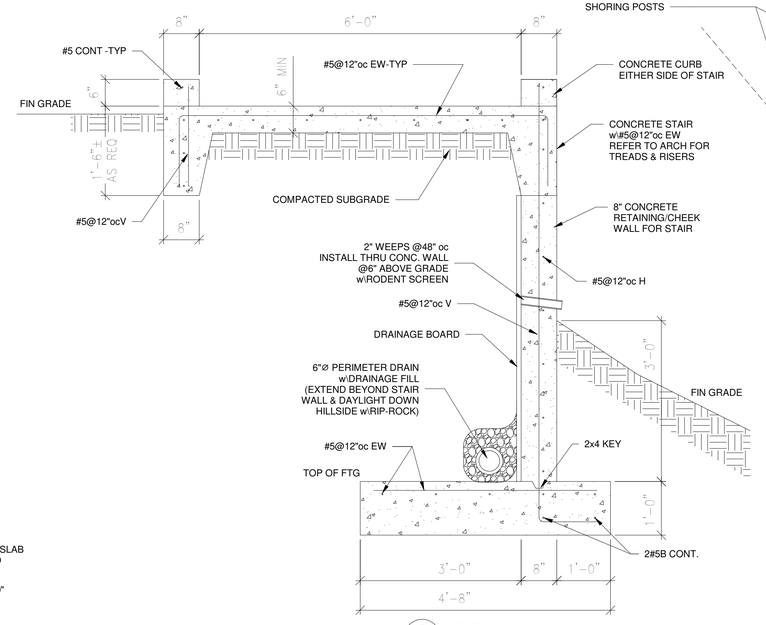


3 SECTION 1-S-301 1/2" = 1'-0"

NOTES:
1. EXISTING JOISTS SHALL BE SHORED PRIOR TO PERFORMING THE WORK. CONTRACTOR TO SUBMIT SIGNED AND SEALED SHORING DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.



4 SECTION 1-S-301 3/8" = 1'-0"



5 SECTION 1-S-301 3/4" = 1'-0"

CD Revisions			
1	5-15-2020	DES	
		BY	
		DATE	
		REVISIONS	

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PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204

DRAWING SECTIONS

SHEET
1-S-301

GENERAL DEMOLITION NOTES

1. ENTIRE HVAC SYSTEMS - EQUIPMENT, DUCTWORK, PIPING, CONTROLS, ETC. - SHALL BE DEMOLISHED IN THE AREA OF CONSTRUCTION, EXCEPT THE WORK CONNECTED TO THE PHYSICIANS BUILDING SYSTEMS TO REMAIN SHALL BE DISCONNECTED AND CAPPED. DESCRIPTIONS OF THE SYSTEMS BELOW AND FLOOR PLANS ARE PROVIDED FOR INFORMATION ONLY, AND THEY DO NOT INCLUDE ALL WORK REQUIRED TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DEMOLITION OF ALL SYSTEMS IN THE AREA OF CONSTRUCTION WITH THE EXCEPTION NOTED ABOVE.
2. THE EXISTING HEATING AND COOLING FOR THE STRUCTURES TO BE DEMOLISHED IS PROVIDED BY A VARIETY OF SYSTEMS INCLUDING; CONSTANT VOLUME DX COOING ROOFTOP UNIT; ROOF MOUNTED CONDENSER; MINI-SPLIT SYSTEM HEAT PUMPS; WALL-MOUNTED PACKAGED WATER-SOURCE HEAT PUMP UNITS, EXHAUST FANS; AND GRAVITY VENTILATORS. AIR DISTRIBUTION IS PROVIDED TO SUPPLY AIR REGISTERS BY SHEET METAL DUCTS CONCEALED ABOVE THE CEILINGS WITH DUCTED RETURNS.
3. IN OTHER AREAS THERE ARE ELECTRIC AIR-TO-AIR MINI-SPLIT SYSTEM HEAT PUMPS. THE OUTDOOR HEAT PUMP UNITS ARE PAD-MOUNTED ON GRADE. THESE SYSTEMS USE R-410A AS A REFRIGERANT.
4. THE PROJECT INCLUDES THE COMPLETE DEMOLITION OF ALL OF THESE SYSTEMS. REMOVE ALL EQUIPMENT, DUCTWORK AND MECHANICAL SYSTEM PIPING, AND CAP DUCTS AND PIPING AS REQUIRED WHERE DISCONNECTED.
5. DISCONNECT ALL UTILITY CONNECTIONS INCLUDING ELECTRICAL WIRE AND CONDUITS, AND PIPING CONNECTED TO ALL MECHANICAL EQUIPMENT. SALVAGE EACH ITEM OF EQUIPMENT LISTED IN THE COUNTY'S SALVAGE SCHEDULE AS A WHOLE UNIT; LISTED, INDEXED, TAGGED, AND STORED. SALVAGE EACH SCHEDULED UNIT WITH ITS NORMAL OPERATING AUXILIARY EQUIPMENT. TRANSPORT SALVAGED EQUIPMENT, INCLUDING MOTORS, TO A DESIGNATED STORAGE AREA. DO NOT REMOVE EQUIPMENT FROM THE STORAGE AREA UNTIL APPROVED BY THE COUNTY. REMOVE EQUIPMENT NOT SCHEDULED FOR SALVAGE FROM THE SITE AND DISPOSE OF IT AS REQUIRED BY THE LOCAL AUTHORITY.
6. DISCONNECT PIPING AT UNIONS, FLANGES AND VALVES, AND FITTINGS AS REQUIRED TO REDUCE THE PIPES INTO STRAIGHT LENGTHS FOR REMOVAL. CAREFULLY DISMANTLE PIPING THAT PREVIOUSLY CONTAINED GAS, GASOLINE, OIL, OR OTHER DANGEROUS FLUIDS, WITH PRECAUTIONS TAKEN TO PREVENT INJURY TO PERSONS AND PROPERTY. STORE PIPING MATERIALS OUTDOORS UNTIL ALL FUMES AND RESIDUES ARE REMOVED AND OR DISSIPATED. DISCARD ALL SUPPORTS, HANGERS, PLATES, VALVES, AND SPECIALTY ITEMS. TRANSPORT ANY PIPING MATERIALS SCHEDULED FOR SALVAGE TO A DESIGNATED STORAGE AREA, AND STORE ACCORDING TO SIZE AND TYPE. DO NOT REMOVE PIPING MATERIALS FROM THE STORAGE AREA UNTIL APPROVED BY THE OWNER. CLASSIFY THESE PIPING MATERIALS NOT DESIGNATED FOR SALVAGE AS SCRAP METAL. CLASSIFY ALL REMOVED DUCT WORK AS SCRAP METAL. REMOVE MATERIALS NOT SCHEDULED FOR SALVAGE FROM THE SITE AND DISPOSE OF IT AS REQUIRED BY THE LOCAL AUTHORITY.
7. THERMOMETERS, THERMOSTATS, ETC. THAT CONTAINING MERCURY SHALL BE TAGGED FOR IDENTIFICATION AS POTENTIALLY HAZARDOUS MATERIALS, PROTECTED FROM BREAKAGE, AND PROPERLY DISPOSED OF.
8. ALL REFRIGERANT TO BE REMOVED FROM THE EXISTING SYSTEMS SHALL BE FULLY RECOVERED IN ACCORDANCE WITH FEDERAL REGULATIONS.
9. A SALVAGE SCHEDULE WILL BE PREPARED AND INCLUDED IN THE CONTRACT DOCUMENTS.

SCHEDULE

THE DEMOLITION SHALL OCCUR IN TWO PHASES.

PHASE 1
THE FIRST PHASE SHALL INCLUDE THE ISOLATION OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING FROM THE REST OF THE STRUCTURE. THIS EFFORT SHALL INCLUDE THE DEMOLITION OF A PART OF THE CONNECTOR BUILDING, THE DEMOLITION OF THE MRI ADDITION, AND THE CONSTRUCTION OF AN EXPANDED VESTIBULE AND ACCESS PATHS AT THE EXISTING STAIR TOWER. THE EFFORT SHALL ALSO INCLUDE SOME BUILDING UTILITY WORK AS NOTED BELOW.

HVAC AND PLUMBING:
TO MECHANICALLY ISOLATE THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING, THE CONTRACTOR SHALL FIRST REMOVE PORTIONS OF DUCTS AND PIPES, WHICH CROSS THE EXTERIOR WALL OF THE PHYSICIAN'S OFFICE BUILDING, AS REQUIRED FOR THIS PHASE OF DEMOLITION, AND CAP BOTH ENDS; ONE END INSIDE THE PHYSICIAN'S OFFICE BUILDING AND THE OTHER END INSIDE THE TO BE DEMOLISHED CONNECTOR BUILDING.
PRIOR TO DEMOLITION OF MRI ADDITION, THE CONTRACTOR SHALL LOCATE UNDERGROUND CONDENSER WATER PIPES RUN FROM THE MECHANICAL ROOM IN THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING TO THE COOLING TOWER SET ON GRADE AS IT IS POSSIBLE THAT THE PIPES REMAINED IN PLACE UNDER MRI ADDITION WHEN MRI ADDITION WAS BUILT UNLESS THEY WERE REROUTED. THESE PIPES SHOULD REMAIN IN SERVICE FOR THE PHYSICIAN'S OFFICE BUILDING. THE COOLING TOWER AS WELL AS THE NEARBY UNDERGROUND OIL STORAGE TANK SHALL BE PROTECTED FROM DAMAGE AND KEPT OPERATIONAL DURING THE ENTIRE CONSTRUCTION PERIOD (BOTH PHASES 1 AND 2).

PHASE 2 (REFER TO SEPARATE CONSTRUCTION DOCUMENTS)
ONCE THE PHYSICIAN'S OFFICE BUILDING IS FULLY ISOLATED AND THE EGRESS STAIR TOWER RENOVATION AND EGRESS PATH IS COMPLETE, THE SECOND PHASE OF THE DEMOLITION CAN PROCEED. THE SECOND PHASE OF DEMOLITION SHALL INCLUDE THE COMPLETE DEMOLITION OF THE EXISTING VIRGINIA HOSPITAL CENTER (BUILDING 601) AND THE REMAINING PART OF THE CONNECTOR BUILDING.

DUCTWORK LEGEND

	EXISTING DUCTWORK, EQUIPMENT OR PIPING TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT OR PIPING TO BE REMOVED OR RELOCATED
	NEW DUCTWORK, EQUIPMENT OR PIPING
	DUCTWORK WITH SOUNDLINING
	SUPPLY AIR DUCT TURNING UP/DOWN
	RETURN AIR DUCT TURNING UP/DOWN
	EXHAUST AIR DUCT TURNING UP/DOWN
R	CHANGE IN ELEVATION OF DUCTWORK IN DIRECTION OF AIRFLOW - RISE
D	CHANGE IN ELEVATION OF DUCTWORK IN DIRECTION OF AIRFLOW - DROP
MD	MOTORIZED DAMPER
SD	DUCT MOUNTED SMOKE DETECTOR
	SQUARE TO SQUARE TRANSITION
	SQUARE TO ROUND TRANSITION
	BRANCH DUCT
	ELBOW WITH TURNING VANES
	ELBOW WITHOUT TURNING VANES
	RADIUS ELBOW
	SPIN-IN COLLAR WITH INTEGRAL VOLUME DAMPER
	VOLUME DAMPER
FD	FIRE DAMPER
FSD	FIRE SMOKE DAMPER
T	THERMOSTAT WITH CONTROL WIRE
H	HUMIDISTAT
CO	CARBON MONOXIDE SENSOR
	SQUARE CEILING DIFFUSER
	LINEAR SLOT DIFFUSER
	LINEAR RETURN DIFFUSER
#	CFM DESIGNATION
#	DIFFUSER OR GRILLE TYPE DESIGNATION
	RETURN GRILLE
#	KEYED NOTE DEMOLITION
#	KEYED NOTE NEW WORK
	POINT OF REMOVAL
	POINT OF CONNECTION

PIPING LEGEND

CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
RS	REFRIGERANT SUCTION
RL	REFRIGERANT LIQUID
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
CD	CONDENSATE DRAIN
PCD	PUMPED CONDENSATE DRAIN
CW	MAKE-UP WATER
	PIPE TURNING UP
	PIPE TURNING DOWN
	VALVE IN VERTICAL
	CONCENTRIC PIPE REDUCER
	PIPE BRANCH BOTTOM TAKEOFF
	PIPE BRANCH TOP TAKEOFF
	DIRECTION OF FLOW
	PITCHED IN DIRECTION OF FLOW
	UNION
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	BALL VALVE
	BUTTERFLY VALVE
	COMBINATION BALANCING/SHUT-OFF VALVE
	STRAINER WITH VALVE AND CAP
	STRAINER
	TRIPLE DUTY VALVE
	CHECK VALVE
	THERMOMETER
	PRESSURE GAUGE
	MANUAL AIR VENT
	PRESSURE/TEMPERATURE PORT
	PRESSURE REDUCING VALVE

ABBREVIATIONS

(E)	EXISTING TO REMAIN
(R)	EXISTING TO BE RELOCATED
(RE)	EXISTING TO BE REMOVED AND RELOCATED
AC	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
BAS	BUILDING AUTOMATION SYSTEM
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CU	CONDENSING UNIT
DB	DRY BULB
DX	REFRIGERANT
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIS PRESSURE
EWT	ENTERING WATER TEMPERATURE
FLA	FULL LOAD AMPS
FPB	FAN POWERED BOX
FT	FOOT, FEET
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HZ	HERTZ
IN	INCH, INCHES
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
OA	OUTSIDE AIR
PH	PHASE
RA	RETURN AIR
RLA	RATED LOAD AMPS
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
TAD	TRANSFER AIR DUCT
TAO	TRANSFER AIR OPENING
TF	TRANSFER FAN
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
V	VOLT, VOLTS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WG	WATER GAUGE

DRAWING LIST

MARK	DATE	REVISIONS	BY	DES
1	05-15-2020	CD Revision		

DATE 06.18.2021
PROJECT 13356.28
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703-978-0100 www.gpinet.com
Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,
DRAWING COVER SHEET

SHEET
1-M-001

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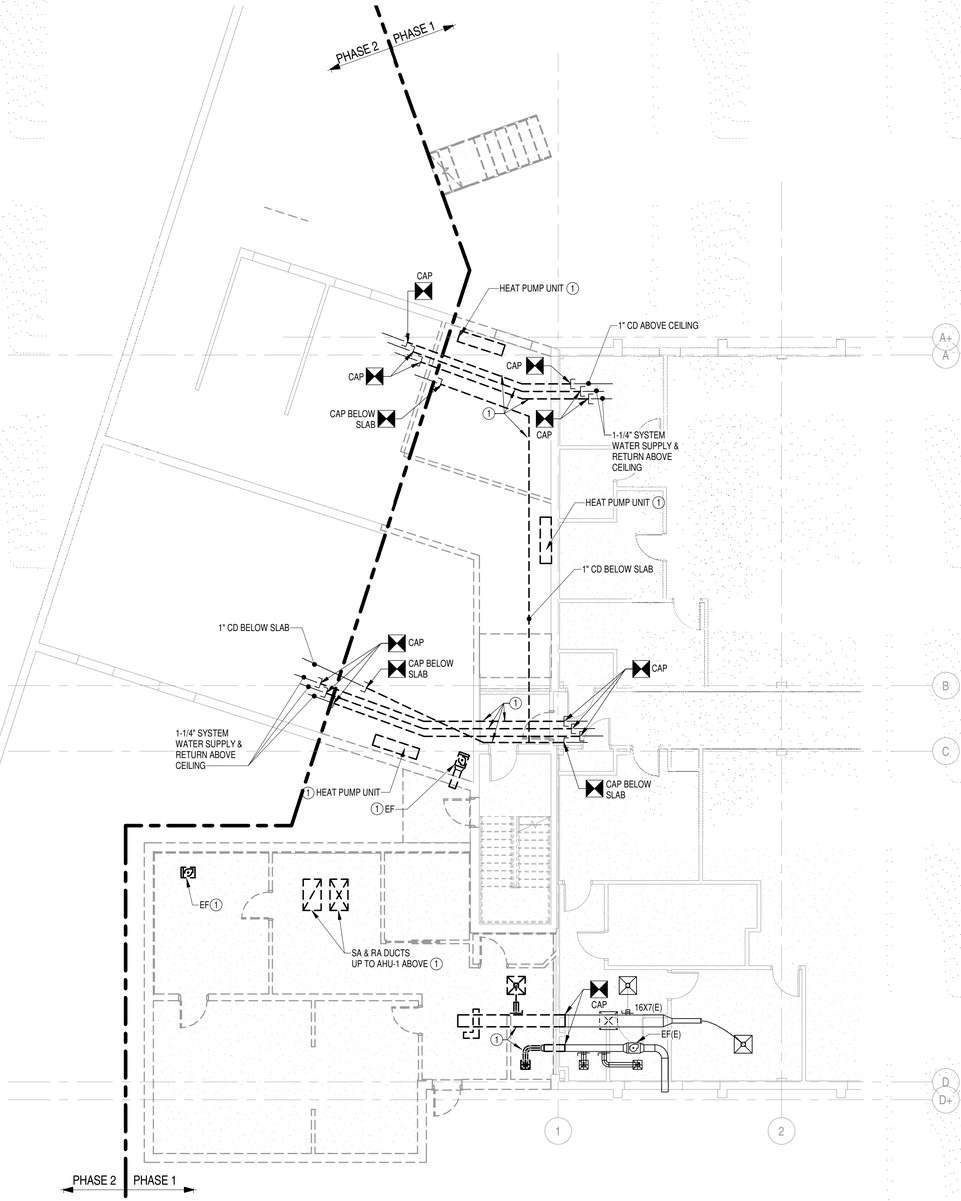
1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

KEYED NOTES - DEMOLITION

1. REMOVE ALL HVAC EQUIPMENT, DUCTWORK PIPING, AND CONTROLS IN THESE AREAS BEING DEMOLISHED, EXCEPT THE WORK IN EXISTING BUILDING TO REMAIN. CAP UNUSED DUCT OPENINGS RESULTING FROM DEMOLITION WORK. ALL WORK TO BE REMOVED IS NOT SHOWN.



2 FOURTH FLOOR - DEMOLITION

1-M-102 SCALE: 1/8" = 1'-0"

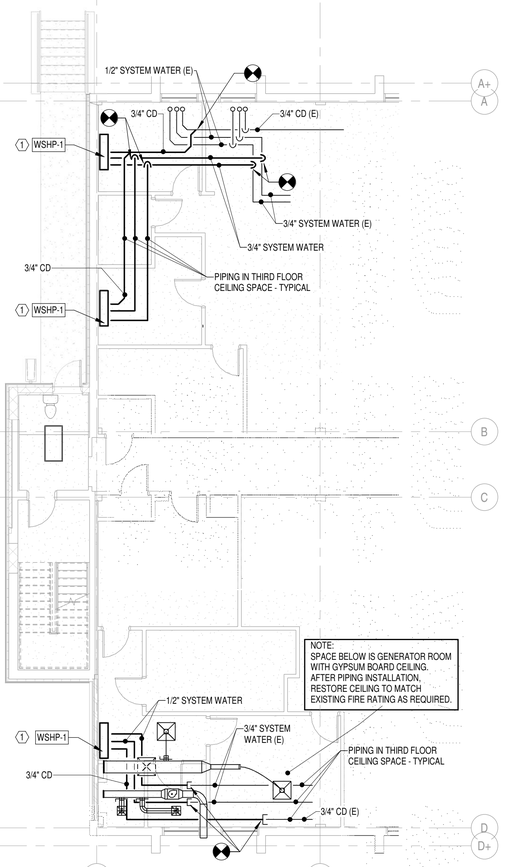
KEYED NOTES - NEW WORK

1. WSHP-1: TRANE GEC006, 1/2 TON WATER SOURCE HEAT PUMP CONSOLE UNIT, 1.1 GPM SYSTEM WATER FLOW, FLA 4.1, COMP LRA 14.0, MCA 4.9, MOCP 15 AT 208/1/60 ELECTRICAL CHARACTERISTICS, WITH HOT GAS REHEAT COIL WITH UNIT-MOUNTED HUMIDISTAT, CONDENSATE OVERFLOW SENSOR, STANDALONE UNIT-MOUNTED CONTROLS, PLEATED AIR FILTERS, POWER CORD/RECEPTACLE BOX WITH CIRCUIT BREAKER. DESIGN BASIS EFFICIENCIES - COOLING EER 12.5; HEATING COP 4.90. UNIT EFFICIENCIES SHALL MEET CODE MINIMUM EER 12.2 AND COP 4.3.

   PROVIDE ALL PIPING AND POWER WIRING AS REQUIRED FOR OPERATION OF UNIT.

   PIPING: RUN PIPING BELOW FLOOR AND CONNECT TO (E) MAIN PIPING. PROVIDE ISOLATION BALL VALVES IN PIPING INSIDE UNIT CABINET TO FACILITATE UNIT REPLACEMENT. PIPING MATERIALS SHALL MATCH (E) PIPING MATERIALS. INSULATE CONDENSATE DRAIN LINES WITH 1/2" THICK FIBERGLASS PREFORMED PIPE INSULATION WITH ALL SERVICE VAPOR RETARDER JACKET PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

   WIRING: ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE ALL ELECTRICAL ACCESSORIES (FURNISHED WITH UNIT) INSIDE UNIT CABINET. ALL INSTALLATION AND WIRING SHALL BE PER UNIT MANUFACTURER'S INSTALLATION RECOMMENDATIONS.



1 FOURTH FLOOR - NEW WORK

1-M-102 SCALE: 1/8" = 1'-0"

#	REVISIONS	DATE	MARK	DES
1	CD Revision	05-15-2020		
2	Permit Revisions	06-12-2020		

BY

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
CHECKED	KDL

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ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FOURTH FLOOR DEMOLITION & NEW WORK PLANS

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Project #: 2019322.00

SHEET
1-M-102

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1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

KEYED NOTES - DEMOLITION

1. REMOVE ALL HVAC EQUIPMENT, DUCTWORK AND CONTROLS IN THESE AREA BEING DEMOLISHED, EXCEPT THE WORK IN EXISTING OFFIC BUILDING TO REMAIN. ALL WORK TO BE REMOVED IS NOT SHOWN.

KEYED NOTES - NEW WORK

1. WSHP-1: TRANE GEC006, 1/2 TON WATER SOURCE HEAT PUMP CONSOLE UNIT, 1.1 GPM SYSTEM WATER FLOW, FLA 4.1, COMP LRA 14.0, MCA 4.9, MOCP 15 AT 208/1/60 ELECTRICAL CHARACTERISTICS.
   WITH HOT GAS REHEAT COIL WITH UNIT-MOUNTED HUMIDISTAT, CONDENSATE OVERFLOW SENSOR, STANDALONE UNIT-MOUNTED CONTROLS, PLEATED AIR FILTERS, POWER CORD/RECEPTACLE BOX WITH CIRCUIT BREAKER.
   DESIGN BASIS EFFICIENCIES - COOLING EER 12.5; HEATING COP 4.90. UNIT EFFICIENCIES SHALL MEET CODE MINIMUM EER 12.2 AND COP 4.3.

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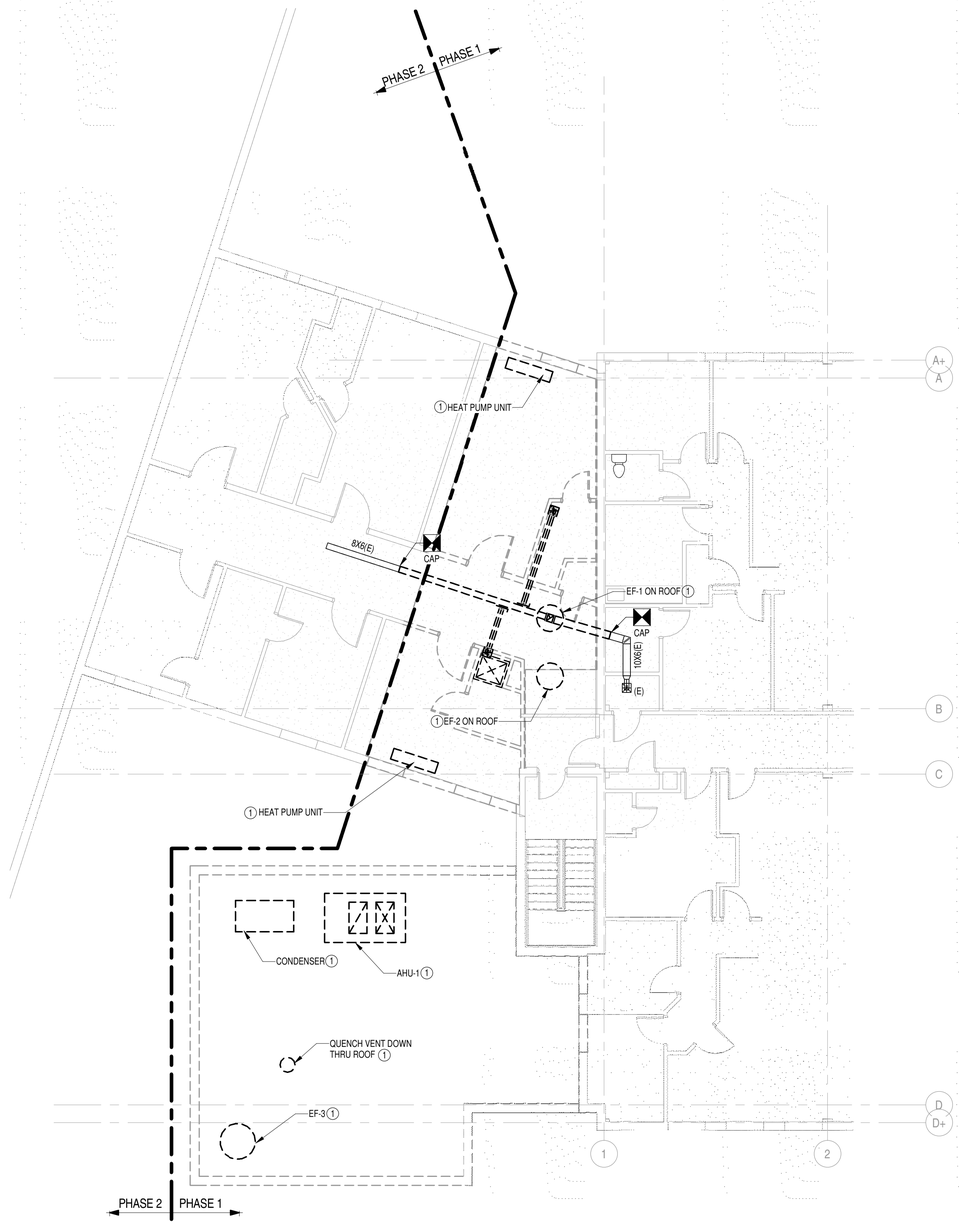
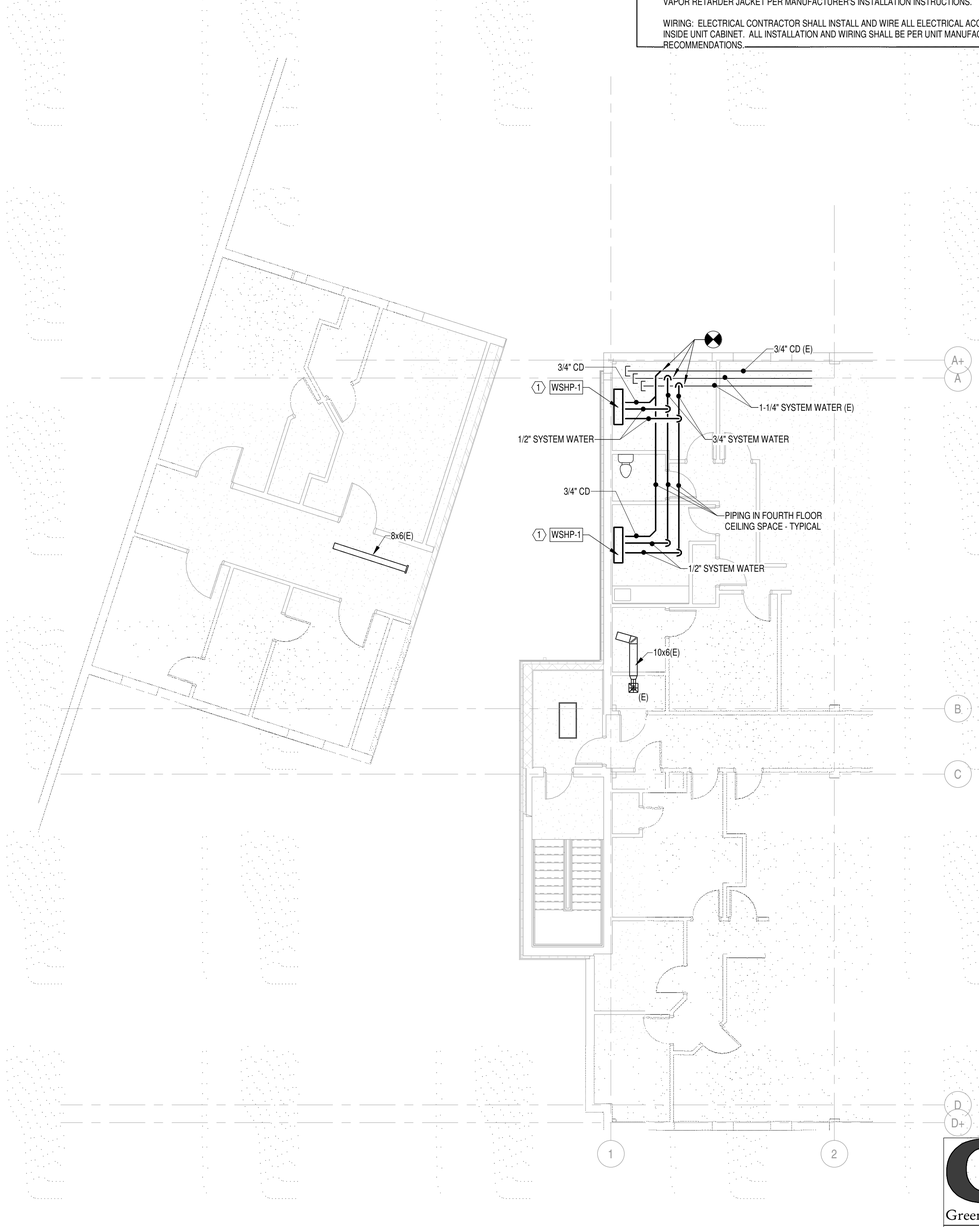


1 FIFTH FLOOR - DEMOLITION
1-M-103 SCALE: 1/8" = 1'-0"



2 FIFTH FLOOR - NEW WORK
1-M-103 SCALE: 1/8" = 1'-0"

CD Revision Permit Revisions			
1	05-15-2020		DES
2	06-12-2020		BY
MARK	DATE	REVISIONS	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	KDL
DRAWN	DWH
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ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FIFTH FLOOR DEMOLITION & NEW WORK PLANS

SHEET
1-M-103

GENERAL NOTES

1. ENTIRE PLUMBING AND FIRE PROTECTION SYSTEMS - EQUIPMENT, TANKS, PIPING, CONTROLS, ETC. - ABOVE AND BELOW GROUND SHALL BE DEMOLISHED. DESCRIPTIONS OF THE SYSTEMS ARE PROVIDED FOR INFORMATION ONLY AND DO NOT INCLUDE ALL WORK REQUIRED TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DEMOLITION OF ALL SYSTEMS IN THE AREA OF CONSTRUCTION.

2. PLUMBING SYSTEMS
   - 2.1. THE EXISTING PLUMBING SYSTEMS INCLUDES THE HOT AND COLD WATER PIPING SYSTEM, THE SANITARY SEWER AND VENT SYSTEMS, AND THE STORM WATER SYSTEM. THE RISERS AND THE HORIZONTAL DISTRIBUTION PIPING ARE GENERALLY COPPER THROUGHOUT THE BUILDINGS. THE SOIL AND VENT SYSTEMS AND STORM WATER SYSTEM ARE CAST IRON AND PVC.
   - 2.2. THERE ARE STORM LINES UNDER SLAB OF MRI ADDITION.
   - 2.3. THE PROJECT INCLUDES THE COMPLETE DEMOLITION OF ALL OF THESE PLUMBING AND PIPING SYSTEMS.
   - 2.4. DEMOLITION OF STORM LINES EXITING THE BUILDINGS SHALL BE COORDINATED WITH CIVIL DEMOLITION WORK.
   - 2.5. CLASSIFY REMOVED MATERIALS AS SCRAP METAL AND REMOVE THE MATERIALS FROM THE SITE AS DESCRIBED UNDER MECHANICAL SYSTEMS UNLESS ON THE SALVAGE SCHEDULE.

SCHEDULE

THE DEMOLITION SHALL OCCUR IN TWO PHASES:

PHASE 1
THE FIRST PHASE SHALL INCLUDE THE ISOLATION OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING FROM THE REST OF THE STRUCTURE. THIS EFFORT SHALL INCLUDE THE DEMOLITION OF A PART OF THE CONNECTOR BUILDING, THE DEMOLITION OF THE MRI ADDITION, AND THE CONSTRUCTION OF AN EXPANDED VESTIBULE AND ACCESS PATHS AT THE EXISTING STAIR TOWER. THE EFFORT SHALL ALSO INCLUDE SOME BUILDING UTILITY WORK AS NOTED BELOW:

HVAC AND PLUMBING:
TO MECHANICALLY ISOLATE THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING, THE CONTRACTOR SHALL FIRST REMOVE PORTIONS OF DUCTS AND PIPES, WHICH CROSS THE EXTERIOR WALL OF THE PHYSICIAN'S OFFICE BUILDING, AS REQUIRED FOR THIS PHASE OF DEMOLITION, AND CAP BOTH ENDS; ONE END INSIDE THE PHYSICIAN'S OFFICE BUILDING AND THE OTHER END INSIDE THE TO BE DEMOLISHED CONNECTOR BUILDING.
PRIOR TO DEMOLITION OF MRI ADDITION, THE CONTRACTOR SHALL LOCATE UNDERGROUND CONDENSER WATER PIPES RUN FROM THE MECHANICAL ROOM IN THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING TO THE COOLING TOWER SET ON GRADE AS IT IS POSSIBLE THAT THE PIPES REMAINED IN PLACE UNDER MRI ADDITION WHEN MRI ADDITION WAS BUILT UNLESS THEY WERE REROUTED. THESE PIPES SHOULD REMAIN IN SERVICE FOR THE PHYSICIAN'S OFFICE BUILDING. THE COOLING TOWER AS WELL AS THE NEARBY UNDERGROUND OIL STORAGE TANK SHALL BE PROTECTED FROM DAMAGE AND KEPT OPERATIONAL DURING THE ENTIRE CONSTRUCTION PERIOD (BOTH PHASES 1 AND 2).
AN EXHAUST FAN ON THE ROOF OF THE CONNECTOR BUILDING, WHICH SERVES MULTIPLE TOILETS IN THE CONNECTOR BUILDING, ALSO SERVES TELECOM ROOM ON THE FIFTH FLOOR OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING 611. A NEW, SMALLER, FAN AND DUCTWORK SHALL BE INSTALLED IN THE PHYSICIAN'S OFFICE BUILDING FOR THE ROOM PRIOR TO ANY DISCONNECTION AS DESCRIBED ABOVE TO MAINTAIN REQUIRED AIR FLOW.

PHASE 2 (REFER TO SEPARATE CONSTRUCTION DOCUMENTS)
ONCE THE PHYSICIAN'S OFFICE BUILDING IS FULLY ISOLATED AND THE EGRESS STAIR TOWER RENOVATION AND EGRESS PATH IS COMPLETE, THE SECOND PHASE OF THE DEMOLITION CAN PROCEED. THE SECOND PHASE OF DEMOLITION SHALL INCLUDE THE COMPLETE DEMOLITION OF THE EXISTING VIRGINIA HOSPITAL CENTER (BUILDING 601) AND THE REMAINING PART OF THE CONNECTOR BUILDING.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
		EXISTING PIPING OR EQUIPMENT TO BE REMOVED
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
	HWC	DOMESTIC HOT WATER RECIRCULATION
		SANITARY SOIL AND WASTE
		SANITARY VENT
		STORM WATER
		PIPE TURNING UP
		PIPE TURNING DOWN
		PIPE BRANCH BOTTOM TAKEOFF
		PIPE BRANCH TOP TAKEOFF
		OFFSET IN PIPE
		CAPPED PIPE
		POINT OF REMOVAL
(#)		KEYED NOTE, DEMOLITION
(#)		KEYED NOTE, NEW WORK

ABBREVIATION

(E) EXISTING
FHV FIRE HOSE VALVE
(N) NEW

DRAWING LIST

		DES
CD Revisions		BY
1	05-15-2020	DATE
MARK	REVISIONS	

DATE	06.18.2021		
PROJECT	13356.28	DESIGNED	BKM
		DRAWN	TTN
		CHECKED	RMD

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611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,
DRAWING COVER SHEET

SHEET
1-P-001

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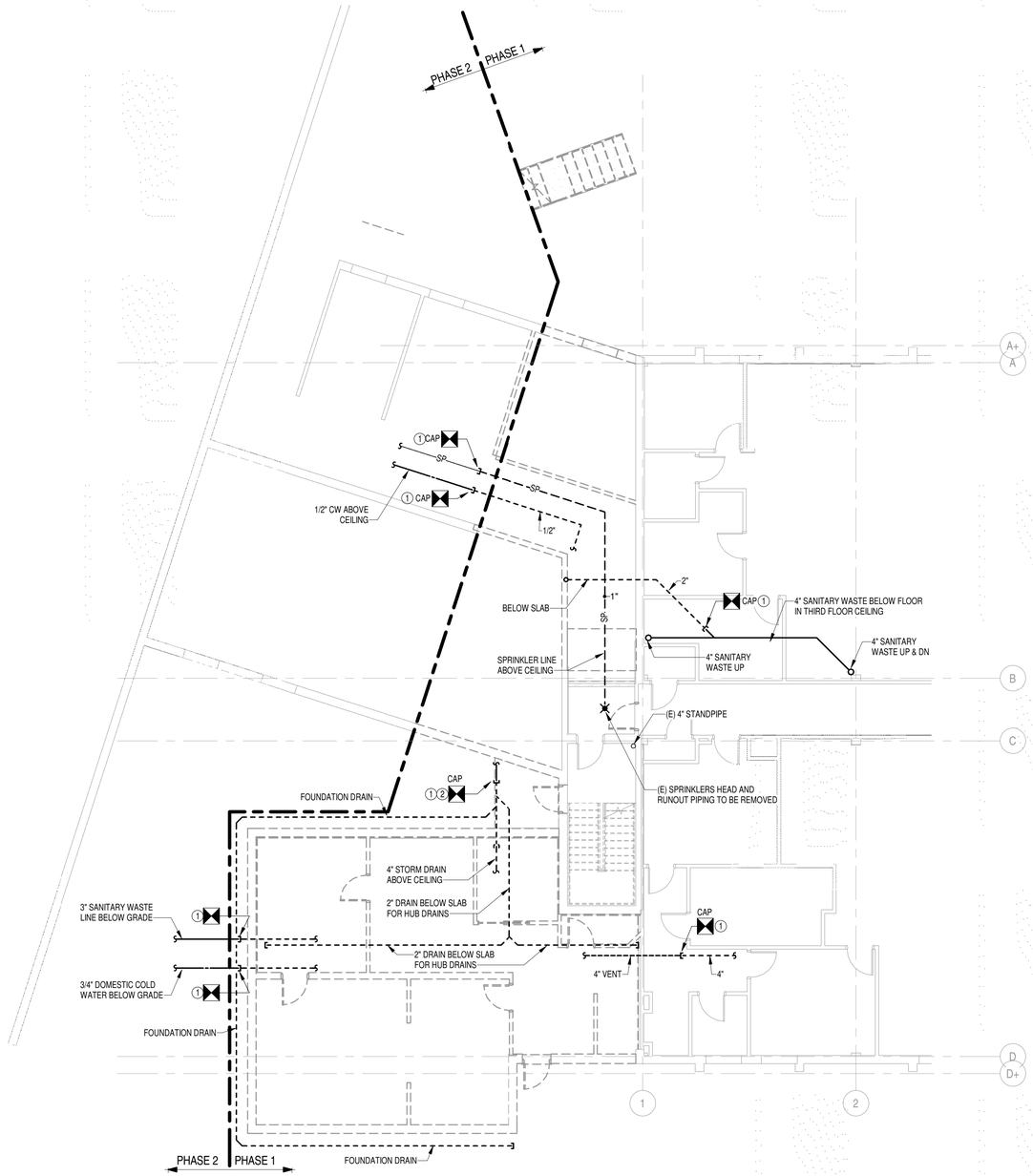
1/32" = 1'-0" 0' 16' 32' 48'
1/16" = 1'-0" 0' 4' 8' 16' 24'
3/32" = 1'-0" 0' 4' 8' 16'
1/8" = 1'-0" 0' 4' 8' 12'
1/4" = 1'-0" 0' 2' 4' 6'
3/8" = 1'-0" 0' 1' 2' 3' 4'
1/2" = 1'-0" 0' 6" 1' 2' 3'
3/4" = 1'-0" 0' 6" 1' 2'
1" = 1'-0" 0' 3" 6" 9" 1' 1.5'
1 1/2" = 1'-0" 0' 3" 6" 9" 1'
3" = 1'-0" 0' 1" 2" 3" 4" 5" 6"
6" = 1'-0" 0' 1" 2" 3"

KEYED NOTES - DEMOLITION

1. REMOVE ALL PIPING – DOMESTIC HOT AND COLD WATER, SANITARY SEWER, VENT, STORM SEWER, FOUNDATION DRAIN, SPRINKLER PIPING, AND SPRINKLER HEAD IN THESE AREAS BEING DEMOLISHED, EXCEPT THE WORK IS INDICATED TO REMAIN. REMOVE ALL SANITARY SEWER AND VENT PIPING TO WITHIN 2 FEET OF ACTIVE PIPING TO NOT CREATE DEAD ENDS AS DESCRIBED IN PLUMBING CODE.
2. SEE CIVIL DRAWINGS FOR CONTINUATION.



2 FOURTH FLOOR - DEMOLITION

1-P-102 SCALE: 1/8" = 1'-0"

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DRAWING FOURTH FLOOR DEMOLITION PLAN

SHEET
1-P-102

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1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

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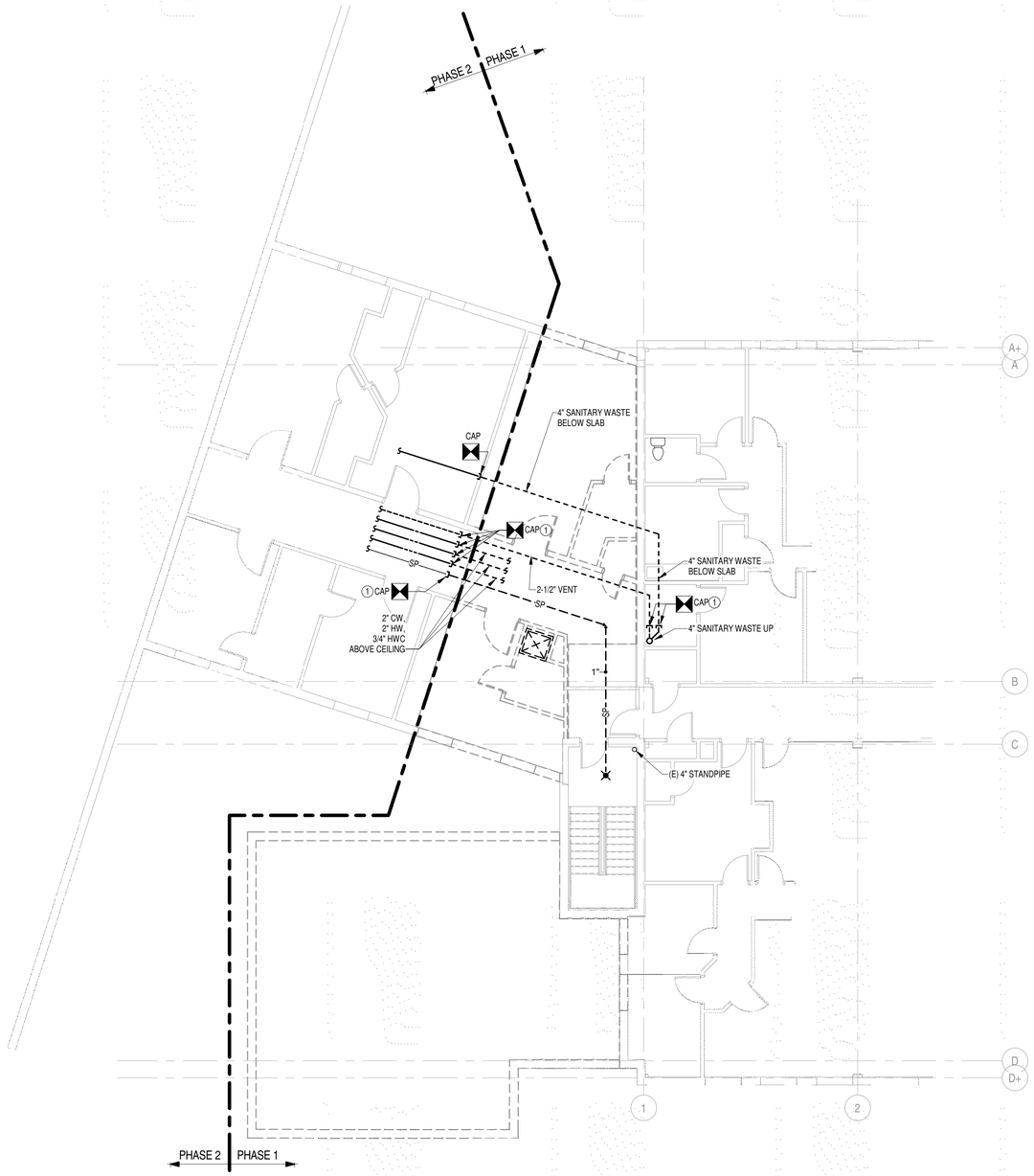

1 1-P-103 **FIFTH FLOOR - DEMOLITION**
SCALE: 1/8" = 1'-0"

#	MARK	DATE	REVISIONS	BY	DES
1		05-15-2020	CD Revisions		

DATE 06.18.2021
PROJECT 13356.28
DESIGNED
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DRAWING FIFTH FLOOR DEMOLITION PLAN

SHEET
1-P-103

ELECTRICAL SPECIFICATIONS

A. GENERAL

1. REFER TO BOOK SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND SCOPE.
2. THE CONTRACTOR SHALL COMPLY WITH ALL THE LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL LOCAL AND STATE GOVERNMENTAL AUTHORITIES, THE RULES OF THE NATIONAL FIRE PROTECTION ASSOCIATION AS INTERPRETED BY THE ENFORCING AUTHORITY HAVING JURISDICTION AND OF THE PUBLIC UTILITIES HAVING CONNECTION WITH ANY OF THE SYSTEMS HEREIN SPECIFIED.
3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY ANY OF THE FOREGOING AUTHORITIES, AND PAY FOR ALL OTHER COSTS IN CONNECTION WITH THE WORK. ALL CERTIFICATES SHALL BE IN DUPLICATE AND SHALL BE DELIVERED TO THE ARCHITECT/ENGINEER/OWNER.
4. THE SITE, LOCATION AND ROUTING OF SYSTEMS INDICATED TO HAVE NEW CONNECTIONS MADE TO THEM ARE SHOWN AS ACCURATELY AS FIELD CONDITIONS WOULD PERMIT. BIDDERS SHALL VISIT THE SITE AND THOROUGHLY EXAMINE THE CONTRACT DRAWINGS. BIDDERS WHO DO NOT VISIT THE SITE MAY BE UNILATERALLY NOT PERMITTED TO SUBMIT A BID IF THE OWNER SO DESIGNATES. ALL EXISTING CONDITIONS SHALL BE EXAMINED AND THEIR EXACT LOCATIONS VERIFIED. THE CONTRACTOR SHALL REPORT TO THE ARCHITECT/ENGINEER/OWNER BEFORE SUBMITTING A BID, ANY CONDITIONS WHICH MIGHT MAKE INSTALLATION OF REQUIRED EQUIPMENT A PROBLEM. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO INVESTIGATE CONDITIONS OR MISUNDERSTANDINGS OF THE CONTRACTUAL REQUIREMENTS.
5. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT NOT INDICATED TO BE REUSED TO A DESIGNATED LOCATION AT THE PROJECT SITE. AFTER THE EQUIPMENT HAS BEEN ASSEMBLED FOR THE OWNER'S INSPECTION AND POSSIBLE RETENTION, ALL EQUIPMENT NOT TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. ALL BUILDING SYSTEMS SHALL REMAIN IN SERVICE UNLESS INDICATED OTHERWISE. ALL OUTAGES OR INTERRUPTIONS SHALL BE KEPT TO MINIMUM DURATION. NOTIFY THE OWNER 48 HOURS IN ADVANCE OF ANY OUTAGE OR INTERRUPTION.
6. THE CONTRACTOR SHALL INSTALL AND CONNECT ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE BEST ENGINEERING PRACTICE AND, UNLESS OTHERWISE SHOWN OR SPECIFIED, FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND FURNISH AND INSTALL ALL REQUIRED AUXILIARY ITEMS COMPLETE.
7. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC AND FOR BIDDING PURPOSES ONLY. WHILE THE DRAWINGS ARE GENERALLY TO SCALE AND ARE AS ACCURATE AS THE SCALE WILL PERMIT, ALL IMPORTANT DIMENSIONS SHALL BE DETERMINED IN THE FIELD. THEY ARE NOT TO BE CONSIDERED TO BE ERECTION DRAWINGS.
8. COORDINATE WITH ALL TRADES TO AVOID INTERFERENCE AMONG MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL ITEMS. PROVIDE ALL NECESSARY OFFSETS AND FITTINGS IN CIRCUITRY AND OTHER ITEMS REQUIRED TO INSTALL THE WORK WITHOUT INTERFERENCES.
9. THE CONTRACTOR SHALL TEST ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND DEMONSTRATE TO THE OWNER ITS PROPER OPERATIONS. ALL NEW EQUIPMENT SHALL BE MOUNTED VIBRATION FREE.
10. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED IN FULL FROM ALL DEFECTS FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THIS WORK.
11. ALL EQUIPMENT INSTALLED SHALL BE NEW AND SHALL CONFORM IN ALL RESPECTS TO THE LATEST APPROVED STANDARDS OF IEEE, ANSI, NEMA AND UNDERWRITERS LABORATORIES, INC., UNLESS INDICATED OTHERWISE.
12. SHOP DRAWINGS AND PRODUCT DATA: SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR ALL NEW MATERIAL AND EQUIPMENT PROVIDED UNDER THIS WORK. MATERIAL AND EQUIPMENT SHALL BE SUBMITTED AND APPROVED BEFORE ORDERING. SUBMIT A MINIMUM OF 6 COPIES TO THE ARCHITECT/ENGINEER/OWNER FOR REVIEW. ELECTRONIC SUBMISSIONS ARE ACCEPTABLE. SUBSTITUTION ARE SUBJECT TO DISCRETION OF THE ARCHITECT/ENGINEER/OWNER. IF CONSIDERED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SHALL MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS.
13. REPAIR OF EXISTING WORK: ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCED, AND WHERE CUTTING, CHANNELING, CHASING, OR DRILLING OF FLOORS, WALL, PARTITIONS, CEILINGS, OR OTHER SURFACES IS NECESSARY FOR THE PROPER INSTALLATION, SUPPORT, OR ANCHORAGE OF THE CONDUIT, RACEWAYS OR OTHER ELECTRICAL WORK, THIS WORK SHALL BE CAREFULLY DONE, AND ANY DAMAGE TO BUILDING, PIPING, OR EQUIPMENT SHALL BE REPAIRED BY SKILLED MECHANICS OF THE TRADE INVOLVED, AT NO ADDITIONAL COST TO THE OWNER. METHODS FOR AND EXACT LOCATIONS OF PROPOSED CUTTING, CHANNELING, CHASING OR DRILLING OF EXISTING CONSTRUCTION SHALL BE AS APPROVED BY THE OWNER.
14. THE CONTRACTOR SHALL REPAIR ALL WALL, CEILING, FLOOR, OR ROOF OPENINGS WHICH ARE CREATED BY DEMOLITION OR PENETRATION. THE REPAIRS SHALL BE WITH MATERIALS AND FINISHES TO MATCH EXISTING. ALL FIRE RATED PENETRATIONS SHALL BE SEALED WITH SUITABLE MATERIALS TO PRESERVE FIRE RATED INTEGRITY.
15. DEFINITIONS: "PROVIDE" UNDER THIS CONTRACT IS DEFINED AS FURNISH AND INSTALL. "CONCEALED" UNDER THIS CONTRACT IS DEFINED AS WITHIN ARCHITECTURAL WALLS AND ABOVE CEILINGS."EXPOSED" UNDER THIS CONTRACT IS DEFINED AS VISIBLE TO VIEW, INCLUDING ELECTRICAL ROOMS. "INDICATED" UNDER THIS CONTRACT IS DEFINED AS SHOWN IN THE CONTRACT DOCUMENTS. "CIRCUITRY" UNDER THIS CONTRACT IS DEFINED AS CONDUIT, FEEDER AND OR CIRCUIT.
16. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE CONTRACT AREA AND ALL OTHER AREAS USED FOR STORAGE, STAGING, ETC.
17. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER WHEN THE PROJECT IS APPROXIMATELY 75% COMPLETED IN ORDER TO SCHEDULE A PRE-FINAL REVIEW OF CONSTRUCTION. NO WORK SHALL BE CONCEALED BY CEILINGS, WALLS, ETC. FINAL REVIEW SHALL BE SCHEDULED AT 100% COMPLETION. ALL PUNCH LIST ITEMS MUST BE ACCOMPLISHED PRIOR TO FINAL ACCEPTANCE.
18. THE CONTRACTOR SHALL PREPARE A COMPREHENSIVE METHOD OF PROCEDURE AND SUBMIT IT TO THE OWNER WITH SHOP DRAWINGS FOR REVIEW. THE SUBMITTAL SHALL ITEMIZE METHODS OF PROCEDURE FOR ALL POTENTIAL EMERGENCY SITUATIONS AND SHALL INCLUDE A LIST OF PERSONS REPRESENTING THE OWNER AND THE CONTRACTOR ALONG WITH DAYTIME EMERGENCY PHONE NUMBERS INDICATING WHO SHALL BE CONTACTED IN THE EVENT OF AN EMERGENCY. THIS LIST SHALL BE DISTRIBUTED TO THE OWNER'S REPRESENTATIVE AND THE CONTRACTORS SUPERINTENDENT OR FOREMAN AT THE SITE. EMERGENCY SITUATIONS SHALL INCLUDE BUT NOT BE LIMITED TO POWER OUTAGES, CHILLED AND CONDENSER WATER SYSTEM RUPTURES, AUTOMATIC TEMPERATURE CONTROL OUTAGES AND OWNER'S EQUIPMENT DAMAGE. THE COMPREHENSIVE METHOD OF PROCEDURE SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK.
19. PROVIDE TEMPORARY SERVICE FOR LIGHTING AND POWER EQUIPMENT (DRILLS, SAW, ETC.). VERIFY TEMPORARY REQUIREMENTS WITH GENERAL CONTRACTOR. TEMPORARY LIGHTING AND POWER SHALL MEET OSHA REQUIREMENTS AND LOCAL CODE. TEMPORARY POWER SHALL BE 120 VOLTS.
20. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER DEMOLITION OPERATIONS ARE COMPLETE.
21. FINAL TESTING: AT THE TIME OF FINAL INSPECTION AND TESTS, ALL CONNECTIONS AT PANELBOARDS, DEVICES AND EQUIPMENT AND ALL SPLICES MUST BE COMPLETED. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
22. CONTRACTOR SHALL PROVIDE ACCESS PANEL FOR JUNCTION BOXES, DISCONNECT SWITCHES, OR OTHER DEVICES WHICH REQUIRE SERVICE ACCESS PER NEC.

B. LIGHTING

1. COORDINATE RECESSED LIGHTING FIXTURES WITH MECHANICAL EQUIPMENT AND ARCHITECTURAL CEILING PLAN. GRID LAYOUT ON PLANS IS APPROXIMATE. ADJUST LIGHTING FIXTURES IN FIELD PER ARCHITECT.
2. PROVIDE FINISHING FRAMES FOR ALL RECESSED LIGHTING FIXTURES, TYPE TO BE COMPATIBLE WITH CEILING. COORDINATE ALL FIXTURE TYPES WITH CEILING SYSTEM BEFORE ORDERING FIXTURES. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION.
3. IN LOCATIONS WHERE NEW DUCTWORK OR CEILING IS INSTALLED UNDER THIS CONTRACT BUT LIGHTING FIXTURES HAVE NOT BEEN REVISED, REMOVE EXISTING FIXTURES AS NECESSARY TO RUN THE NEW DUCTWORK OR CEILING AND RE-HANG AFTER THE MECHANICAL OR ARCHITECTURAL WORK IS COMPLETED.
4. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION TO SUIT PROJECT CONDITIONS.
5. PROVIDE MEANS OF SUPPORT PER NEC 410.36.

C. EQUIPMENT CONNECTION

1. EXTEND WIRING TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND MAKE FINAL AND COMPLETE CONNECTIONS TO ALL EQUIPMENT. BEFORE ROUGHING IN, THE LOCATION AND TYPE OF DEVICE SHALL BE VERIFIED FROM SHOP DRAWINGS OF THE EQUIPMENT. STARTERS AND DISCONNECTS AND OTHER ELECTRICAL CIRCUITRY AND DEVICES SHALL BE LOCATED TO ALLOW ACCESS TO DEVICES AND NOT INTERFERE WITH THE OPERATION OF THE MECHANICAL OR ARCHITECTURAL DEVICES OR THEIR POSSIBLE MAINTENANCE OR REMOVAL.

D. DEMOLITION

1. PROVIDE DEMOLITION AS INDICATED ON DEMOLITION PLANS. CIRCUITRY NOTED FOR REMOVAL SHALL BE REMOVED BACK TO THE SOURCE BUS UNLESS OTHERWISE NOTED. BE RESPONSIBLE FOR THE COMPLETE REMOVAL FROM THE SITE FOR ALL EQUIPMENT AND MATERIAL REMOVED UNDER DEMOLITION WORK, UNLESS OTHERWISE NOTED OR DIRECTED. EXISTING CIRCUITS-TO- REMAIN INTERRUPTED BY DEMOLITION SHALL BE RESTORED FOR OPERATION AS BEFORE. OUTAGES REQUIRED TO PERFORM DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND PROCESSED OUTSIDE OF NORMAL BUSINESS HOURS. REPAIR ALL WALL, CEILING, FLOOR OR ROOF OPENINGS CREATED BY DEMOLITION. REPAIRS SHALL BE PROVIDED BY WORKMAN SKILLED IN THE TRADE AND SHALL CONFORM WITH MATERIAL AND FINISHES TO MATCH EXISTING.
2. LOCATE, IDENTIFY AND PROTECT ELECTRICAL SERVICES PASSING THROUGH DEMOLITION AREA AND SERVING OTHER AREAS OUTSIDE THE DEMOLITION LIMITS. MAINTAIN SERVICES TO AREAS OUTSIDE DEMOLITION LIMITS. WHEN SERVICES MUST BE INTERRUPTED, INSTALL TEMPORARY SERVICES FOR AFFECTED AREAS.

SCHEDULE

THE DEMOLITION WILL OCCUR IN TWO PHASES:

PHASE 1
THE FIRST PHASE WILL INCLUDE THE ISOLATION OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING FROM THE REST OF THE STRUCTURE. THIS EFFORT WILL INCLUDE THE CONSTRUCTION OF AN EXPANDED VESTIBULE AND ACCESS PATHS AT THE EXISTING STAIR TOWER. THE EFFORT WILL ALSO INCLUDE SOME BUILDING UTILITY WORK AS NOTED BELOW:

ELECTRICAL:
IN ORDER TO ELECTRICALLY ISOLATE AND MAINTAIN SYSTEM OPERATIONS OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING, THE CONTRACTOR SHALL DISCONNECT ALL ELECTRICAL DEVICES, LIGHTING CIRCUITS, AND MECHANICAL EQUIPMENT FEEDERS SERVING IN THE CONNECTOR BUILDING AND MRI BUILDING. THE MRI BUILDING, THE STAIR TOWER, AND CONNECTOR BUILDING ARE DETERMINED TO FED FROM THE PHYSICIAN'S OFFICE BUILDING.
AS PART OF THIS FIRST PHASE OF THE WORK, ALL POWER AND LIGHTING PANELS AND TRANSFORMERS WITHIN THE MRI ADDITION ARE TO BE REMOVED ALONG WITH ALL ASSOCIATED FEEDERS BACK TO THE SOURCE CONNECTION POINT IN THE PHYSICIAN'S OFFICE BUILDING. AT THE SOURCE PANELBOARDS AND SWITCHBOARDS WITHIN THE PHYSICIAN'S OFFICE BUILDING, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE." RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION. REMOVE ALL CIRCUITRY CROSSING BETWEEN BUILDINGS BACK TO THE NEXT ACTIVE OUTLET, FIXTURE, OR EQUIPMENT OR BACK TO THE SOURCE PANELBOARD IF THE CIRCUIT IS NO LONGER ACTIVE AS NOTED ABOVE.
ELECTRICAL DEVICES, FIXTURES, AND EQUIPMENT IN THE EXISTING STAIR TOWER ARE EXISTING TO REMAIN. CIRCUITS SERVING THIS AREA ARE TO BE MAINTAINED AND ADJUSTED AS REQUIRED TO KEEP THE EGRESS STAIR TOWER OPERATIONAL THROUGHOUT THE PROJECT DURATION. EXIT DISCHARGE LIGHTING AT THE STAIR EXIT SHALL BE RELOCATED AS NECESSARY TO ACCOMMODATE THE NEW DOOR LOCATION.
ALL FIRE ALARM DEVICES IN THE CONNECTOR BUILDING AND THE EXISTING STAIR TOWER SHALL BE DISCONNECTED, AND ALL WIRING SHALL BE REMOVED BACK TO THE SOURCE IN HVAC BUILDING. FIRE ALARM DEVICES IN THE EXISTING STAIR TOWER SHALL BE RECONNECTED TO THE FIRE ALARM SYSTEM IN PHYSICIAN'S OFFICE BUILDING. THE EXISTING FIRE ALARM CONTROL PANEL SHALL BE ADJUSTED TO ACCOMMODATE THESE ADDITIONAL DEVICES. OTHER FIRE ALARM DEVICES IN THE CONNECTOR BUILDING SHALL BE REMOVED AS WELL AS ALL FIRE ALARM, BRANCH CIRCUITRY, ELECTRICAL DEVICES AND FIXTURES, PANELBOARDS, AND FEEDERS IN THE MRI ADDITION.

PHASE 2 (REFER TO SEPARATE CONSTRUCTION DOCUMENTS)
THE TEMPORARY ELECTRICAL SERVICES PROVIDED IN PHASE ONE SHALL BE DISCONNECTED. ONCE THE PHYSICIAN'S OFFICE BUILDING IS FULLY ISOLATED AND THE EGRESS STAIR TOWER RENOVATION AND EGRESS PATH IS COMPLETE, THE SECOND PHASE OF THE DEMOLITION CAN PROCEED. THE SECOND PHASE OF DEMOLITION WILL INCLUDE THE COMPLETE DEMOLITION OF THE EXISTING VIRGINIA HOSPITAL CENTER (BUILDING 601), THE REMAINING PORTION OF THE CONNECTOR BUILDING.

ABBREVIATIONS

A	AMPS		
AIC	AMPERES INTERRUPTING CAPACITY		
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUG ONLY
BLDG	BUILDING	MOCP	MAXIMUM OVERCURRENT PROTECTION
C	CONDUIT		
CATV	CLOSED CIRCUIT TELEVISION	MTS	MANUAL TRANSFER SWITCH
CB	CIRCUIT BREAKER	N	NEUTRAL
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE
CO	CARBON MONOXIDE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
DED	DEDICATED		
DISC SW	DISCONNECT SWITCH	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DP	DISTRIBUTION PANEL		
DWG	DRAWING	NFSS	NON FUSED SAFETY SWITCH
EA	EACH	NIC	NOT IN CONTRACT
EC	EMPTY CONDUIT	NO.	NUMBER
EGC	EQUIPMENT GROUND CONDUCTOR	NTS	NOT TO SCALE
EM/NL	EMERGENCY/NIGHT LIGHT	OCPD	OVER-CURRENT PROTECTION DEVICE
EMT	ELECTRICAL METALLIC TUBING		
ENGR	ENGINEER	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
EPO	EMERGENCY POWER OFF		
EQUIP	EQUIPMENT	P	POLE
EUH	CABINET UNIT HEATER	PB	PULL BOX
EWC	ELECTRIC WATER COOLER	PC	PERSONAL COMPUTER
FA	FIRE ALARM	PH	PHASE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	PNL	PANEL
FACP	FIRE ALARM CONTROL PANEL	PVC	POLYVINYL CHRORIDE
FLA	FULL LOAD AMPS	RCPT	RECEPTACLE
FLUOR	FLUORESCENT	RECEPT	RECEPTACLE
FPVAV	FAN POWER VAV BOX	RLA	RUN LOAD AMP
FSS	FUSED SAFETY SWITCH	RM	ROOM
G,GND,GRD,G	GROUND CONDUCTOR	RSC	RIGID STEEL CONDUIT
GAP	GRAPHIC ANNUNCIATOR PANEL	SD	SMOKE DETECTOR
GC	GENERAL CONTRACTOR	SW	SWITCH
GEC	GROUND ELECTRODE CONDUCTOR	SWB	SWITCHBOARD
GFI	GROUND FAULT INTERRUPTER	SYS FURN	SYSTEM FURNITURE
HP	HORSE POWER	TEL,T	TELEPHONE
HWH	HOT WATER HEATER	TF	TRANSFER FAN WITH LOCAL TOGGLE SWITCH
HZ	HERTZ		
IG	ISOLATED GROUND	TYP	TYPICAL
J,JB	JUNCTION BOX	UL	UNDERWRITER LABORATORIES
KVA	KILO-VOLT AMPERE	UON	UNLESS OTHERWISE NOTED
KW	KILO-WATT	V	VOLT
LRA	LOCKED ROTOR AMPS	W	WIRE
LTG	LIGHT	W/	WITH
MAX	MAXIMUM	WATT, #W	WATT
MC	METAL CLAD CABLE	WH	WATER HEATER
MCA	MINIMUM CIRCUIT AMPS	WP	WATER PROOF
MCB	MAIN CIRCUIT BREAKER	WSA	WIRE SIZE AMPS
MCC	MOTOR CONTROL CENTER	WT	WIRING TROUGH
MDP	MAIN DISTRIBUTION PANEL	XFMR	TRANSFORMER
MH	MOUNTING HEIGHT		

GENERAL NOTES

1. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
2. SHADED REGIONS ON THE FLOOR PLANS ARE OUTSIDE THE AREA OF WORK UNLESS OTHERWISE NOTED.

ELECTRICAL LEGEND

DESIGNATION	DESCRIPTION	MTG HGT TO CENTER LINE AFF (UON)
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	FLUORESCENT/LED EMERGENCY LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE	-
	LED EMERGENCY EXTERIOR WALLPACK LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE	9'-0"
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	CEILING MOUNTED EXIT LIGHT SINGLE FACE/DOUBLE FACE WITH ARROWS AS INDICATED	-
S	SINGLE POLE SWITCH	-
	DUPLEX RECEPTACLE - NEMA 5-20R	18"
G	DUPLEX RECEPTACLE - NEMA 5-20R WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER	18"
	DOUBLE DUPLEX RECEPTACLE - NEMA 5-20R	18"
J	CEILING MOUNTED JUNCTION BOX	-
J	WALL MOUNTED JUNCTION BOX	-
CR	CARD READER - PROVIDE 4" SQUARE BOX AND STUB OUT 3/4" EC 6" INTO CEILING SPACE. PROVIDE MATCHING OUTLET FOR PUSH EXIT BUTTON AS REQUIRED.	4'-0"
T	TRANSFORMER	-
	GROUND	-
	PANELBOARD 120/208V SYSTEM	6'-0" TO TOP
	PANELBOARD 277/480V SYSTEM	6'-0" TO TOP
M	MOTOR CONNECTION	-
30	NON-FUSED SAFETY DISCONNECT SWITCH - NUMERAL DENOTES SWITCH SIZE - 3 POLE UON	5'-0" TO TOP
60 / 50	FUSED SAFETY DISCONNECT SWITCH - UPPER NUMERAL DENOTES SWITCH SIZE, LOWER NUMERAL DENOTES FUSE SIZE - 3 POLE UON	5'-0" TO TOP
EP-1,3	HOMERUN TO PANELBOARD - NO. OF ARROWHEADS INDICATE NO. OF CIRCUITS. NUMERALS & LETTERS ADJACENT TO ARROWHEADS INDICATE ASSIGNED PANEL & CIRCUIT NO.'S	-
#10	TICK MARKS IN HOMERUN OR BRANCH CIRCUITRY, UNLESS OTHERWISE SCHEDULED, INDICATE THE QUANTITY (WHERE MORE THAN TWO) OF CURRENT CARRYING CONDUCTORS. NUMERAL ADJACENT TO TICKS INDICATES WIRE SIZE IF OTHER THAN #12. ALL WRING SHALL ALSO CONTAIN AN INSULATED EQUIPMENT GROUND CONDUCTOR SIZED PER NEC. (NOT SHOWN)	-
	GENERAL CIRCUITRY	-
	CIRCUITRY INSTALLED CONCEALED IN OR BELOW FLOOR SLAB	-
#	DENOTES PLAN SPECIFIC NOTE	-
M	METER	-
(E)	EXISTING TO REMAIN - CONTINUE IN SERVICE	
(R)	REMOVE EXISTING AND RELOCATE	
(RE)	RELOCATED EQUIPMENT	
(X)	REMOVE WITH ALL CIRCUITRY THERETO	

DRAWING LIST

MARK	DATE	REVISIONS	BY
1	5.15.2020	CD Revisions	GTH
			DES

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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Engineering and Construction Services
8001 Braddock Road, Suite 200, Springfield, VA 22151
703-978-0100 www.gpinet.com
Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING COVER SHEET - ELECTRICAL

SHEET
1-E-001

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1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3"

GENERAL NOTES - ELECTRICAL

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

KEYED NOTES - ELECTRICAL

1. TO BE REMOVED FROM SERVICE: DOMINION ENERGY UTILITY TRANSFORMER FEEDING THE VIRGINIA HOSPITAL CENTER (BLDG 601). OWNER SHALL APPLY FOR AND OBTAIN UTILITY DISCONNECT LETTERS.
2. EXISTING TO REMAIN: DOMINION ENERGY UTILITY TRANSFORMER FEEDING THE DOCTOR'S OFFICE BUILDING (BLDG 611).
3. DIESEL GENERATOR FEEDING THE VIRGINIA HOSPITAL CENTERY (BLDG 601). REMOVE FROM SERVICE. REROGRAM FIRE ALARM SYSTEM TO PREVENT SUPERVISORY AND TROUBLE SIGNALS FROM GENERATOR DISCONNECTION.

THE WORK INDICATED ON THIS DRAWING IS NOT IN CONTRACT AND IS INCLUDED FOR INFORMATION ONLY.

MARK	REVISIONS	DATE	BY	DES
1	CD Revisions	5.15.2020	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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2 STORY BRICK AND BLOCK HOSPITAL BUILDING 601 SOUTH CARLIN SPRINGS ROAD

PARCEL A
RPC 21028097
VIRGINIA HOSPITAL CENTER
ARLINGTON HEALTH SYSTEM

2 STORY BRICK AND BLOCK HOSPITAL BUILDING 601 SOUTH CARLIN SPRINGS ROAD

MULTI-STORY CONCRETE PARKING STRUCTURE FOR

VEPCO EASEMENT D.B. 2522, PG. 1239

APPROX LOCATION VEPCO EASEMENT D.B. 1962, PG. 633

APPROX LOCATION CA. 101 VEPCO EASEMENT D.B. 1745, PG. 352

S85° 06' 57"W 163.65'

Electrical Site Plan

SCALE: 1" = 24'

GPI
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Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 2
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING SITE PLAN - ELECTRICAL

SHEET
1-E-101

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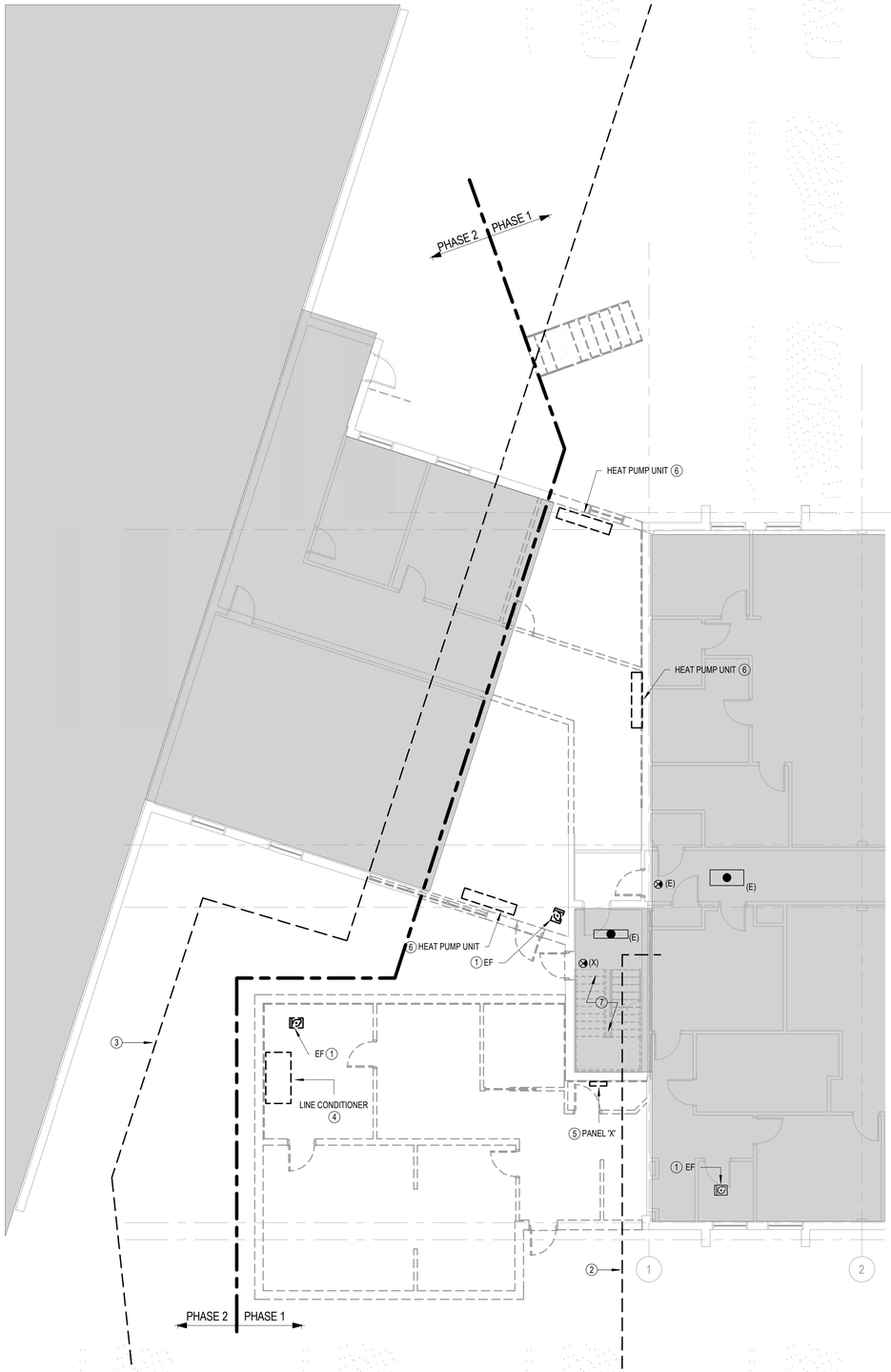
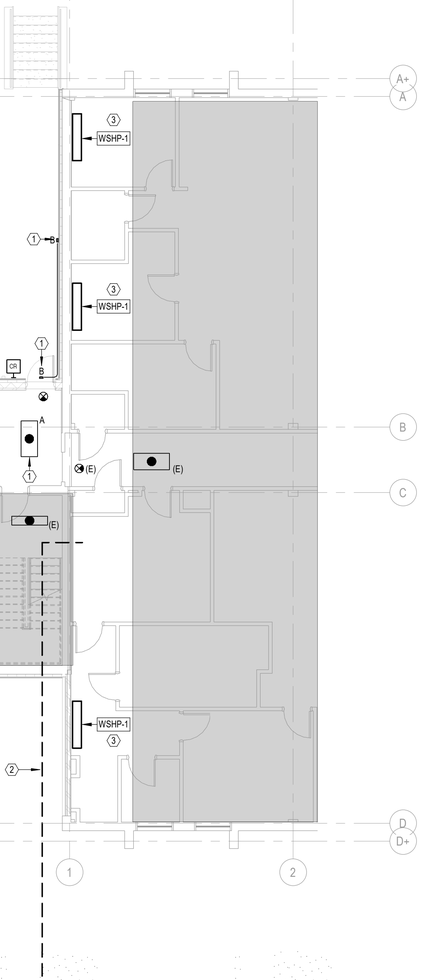


1 1-E-102 **FOURTH FLOOR - DEMOLITION - ELECTRICAL**
SCALE: 1/8" = 1'-0"



2 1-E-102 **FOURTH FLOOR - NEW WORK - ELECTRICAL**
SCALE: 1/8" = 1'-0"

GENERAL NOTES - DEMOLITION

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO FIRE ALARM NEW WORK PLAN FOR FIRE ALARM SYMBOLS.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS FOR ALL RELOCATED/DEMOLISHED EQUIPMENT.
3. PROVIDE COMPLETE ELECTRICAL DEMOLITION IN THE AREA OF WORK UNLESS OTHERWISE NOTED SO AS TO ELECTRICALLY ISOLATE EXISTING TO REMAIN BUILDING PORTIONS.
4. PROTECT EXISTING EMERGENCY LIGHTS, EXIT SIGNS AND FIRE ALARM DEVICES EXCEPT WHERE DEMOLITION IS NEEDED.
5. DEMOLITION WORK INDICATED IS DIAGRAMMATIC AND NOT SHOWN INCLUSIVELY. DEMOLITION DRAWING IS INTENDED TO DEMONSTRATE MAJOR ITEMS ONLY. CONTRACTOR IS REQUIRED TO PERFORM SELECTIVE DEMOLITION AS NEEDED TO ACCOMPLISH THE PROJECT INTENT. IF DEMOLITION WORK IS UNCLEAR FOR ANY ITEM, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION BEFORE PROCEEDING.
6. REMOVE ALL ABANDONED WIRING BACK TO THE PANEL/SOURCE AS APPLICABLE.
7. COORDINATE WITH OWNERS/BUILDING ENGINEERS PRIOR TO SCHEDULING ANY SHUTDOWN REQUIRED DURING CONSTRUCTION.
8. DISCONNECT AND REMOVE ALL (NOT SHOWN) LIGHTING FIXTURES AND ASSOCIATED CONTROLS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE WIRING FROM FIXTURE/DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING FIXTURES/DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
9. DISCONNECT AND REMOVE ALL (NOT SHOWN) EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE EMERGENCY LIGHTING CIRCUITRY ABOVE CEILING FOR REUSE. RESTORE CONNECTION TO EXISTING EMERGENCY FIXTURES AND EXIT SIGNS FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
10. DISCONNECT AND REMOVE ALL (NOT SHOWN) FIRE ALARM DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE FA CIRCUITRY ABOVE CEILING FOR REUSE. COORDINATE REMOVAL OF FIRE ALARM WIRING WITH BUILDING ENGINEER BEFORE PROCEEDING WITH DEMOLITION.
11. DISCONNECT AND REMOVE ALL (NOT SHOWN) RECEPTACLES. POKE-THRU DEVICES, SYSTEMS FURNITURE POWER/DATA FEEDS, AND CABLE TRAY SYSTEMS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE CIRCUITRY FROM DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION..
12. DISCONNECT AND REMOVE ALL (NOT SHOWN) TELEPHONE/DATA OUTLETS AND SECURITY DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED.

KEYED NOTES - DEMOLITION

1. REMOVAL: DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM MECHANICAL AND PLUMBING EQUIPMENT AS SHOWN ON PLAN, UNLESS OTHERWISE NOTED. REMOVE EXISTING WIRING FROM UNIT LOCATIONS BACK TO SOURCE PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION, AND LABEL BREAKER(S) AS "SPARE". RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
2. EXISTING TO REMAIN CONCRETE ENCASED 16-WAY DUCTBANK BENEATH MRI BUILDING AND STAIRWELL.
3. UNDERGROUND ELECTRICAL PRIMARY CONDUIT AND CONDUCTORS SERVING THE ADJACENT BLDG 601. COORDINATE ELECTRICAL UTILITY DISCONNECTION FOR BLDG 601 PRIOR TO ANY DEMOLITION WORK.
4. DISCONNECT POWER FOR LINE CONDITIONER CIRCUIT AT THE MAIN SWITCHBOARD AND LABEL BREAKER AS "SPARE". REMOVE ASSOCIATED SAFETY DISCONNECT AND CIRCUITRY FOR THE LINE CONDITIONER BACK TO THE TRANSFORMER SECONDARY DISCONNECT IN THE MAIN ELECTRICAL ROOM ON THE THIRD FLOOR.
5. DISCONNECT POWER FOR EXISTING PANEL X AT THE MAIN SWITCHBOARD LABEL AS BREAKER AS "SPARE". REMOVE PANEL AND REMOVE CIRCUITRY BACK TO THE METER IN THE MAIN ELECTRICAL ROOM ON THE THIRD FLOOR.
6. DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM EXISTING WATER SOURCE HEAT PUMP (208V/1PH, 4.8 FLA). SAFELY TERMINATE CIRCUITRY ABOVE THE FIFTH FLOOR CEILING WITHIN BLDG 611 FOR REUSE. RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
7. FIRE ALARM DEVICES IN THE STAIRWELL ARE CURRENTLY FED FROM THE BLDG 601 FIRE ALARM SYSTEM AND SHALL BE PREPARED FOR RECONNECTION TO THE BLDG 611 FIRE ALARM SYSTEM, UNLESS OTHERWISE NOTED. . DISCONNECT ALL FIRE ALARM DEVICES AND REMOVE CIRCUITRY BACK TO NEXT ACTIVE DEVICE IN BLDG 601.

GENERAL NOTES - NEW WORK

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO ELECTRICAL DETAIL SHEET FOR LIGHTING FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
3. COORDINATE ALL HVAC EQUIPMENT CONNECTION REQUIREMENTS WITH THE MANUFACTURER PRIOR TO ORDERING AND ROUGH-IN.

KEYED NOTES - NEW WORK

1. CONNECT NEW OR RELOCATED EMERGENCY LIGHTS & EXIT SIGNS TO EXISTING 277V EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA, LOCATED IN (E) EMERGENCY PANEL "E". PANEL DIRECTORY DOES NOT CHANGE UNDER THIS WORK. CIRCUIT SHALL NOT EXCEED 3500VA.
2. EXISTING TO REMAIN CONCRETE ENCASED 16-WAY DUCTBANK BENEATH MRI BUILDING AND STAIRWELL.
3. SPLICE AND EXTEND EXISTING WATER SOURCE HEAT PUMP CIRCUITRY TO NEW WATER SOURCE HEAT PUMP (208V/1PH, 4.1 FLA). PROVIDE NEMA RECEPTACLE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ELECTRICAL ACCESSORIES FURNISHED WITH UNIT INSIDE THE UNIT CABINET. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

MARK	DATE	REVISIONS	BY	DES
1	5.15.2020	CD Revisions	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FOURTH FLOOR DEMOLITION & NEW WORK - ELECTRICAL

SHEET
1-E-102

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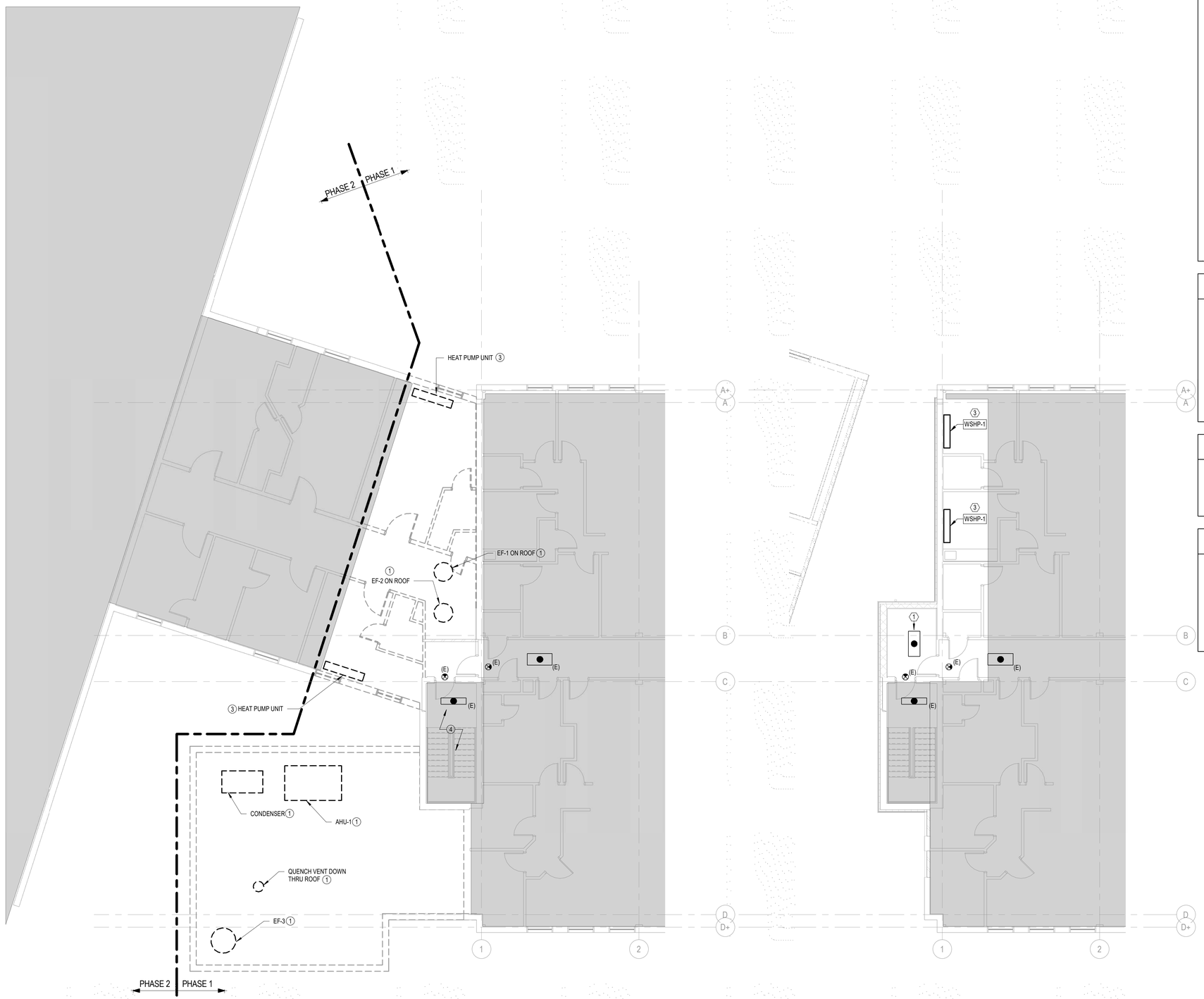
1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



1 FIFTH FLOOR - DEMOLITION - ELECTRICAL
1-E-103 SCALE: 1/8" = 1'-0"

2 FIFTH FLOOR - NEW WORK - ELECTRICAL
1-E-103 SCALE: 1/8" = 1'-0"

GENERAL NOTES - DEMOLITION

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO FIRE ALARM NEW WORK PLAN FOR FIRE ALARM SYMBOLS.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS FOR ALL RELOCATED/DEMOLISHED EQUIPMENT.
3. PROVIDE COMPLETE ELECTRICAL DEMOLITION IN THE AREA OF WORK UNLESS OTHERWISE NOTED SO AS TO ELECTRICALLY ISOLATE EXISTING TO REMAIN BUILDING PORTIONS.
4. PROTECT EXISTING EMERGENCY LIGHTS, EXIT SIGNS AND FIRE ALARM DEVICES EXCEPT WHERE DEMOLITION IS NEEDED.
5. DEMOLITION WORK INDICATED IS DIAGRAMMATIC AND NOT SHOWN INCLUSIVELY. DEMOLITION DRAWING IS INTENDED TO DEMONSTRATE MAJOR ITEMS ONLY. CONTRACTOR IS REQUIRED TO PERFORM SELECTIVE DEMOLITION AS NEEDED TO ACCOMPLISH THE PROJECT INTENT. IF DEMOLITION WORK IS UNCLEAR FOR ANY ITEM, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION BEFORE PROCEEDING.
6. REMOVE ALL ABANDONED WIRING BACK TO THE PANEL/SOURCE AS APPLICABLE.
7. COORDINATE WITH OWNERS/BUILDING ENGINEERS PRIOR TO SCHEDULING ANY SHUTDOWN REQUIRED DURING CONSTRUCTION.
8. DISCONNECT AND REMOVE ALL (NOT SHOWN) LIGHTING FIXTURES AND ASSOCIATED CONTROLS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE WIRING FROM FIXTURE/DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING FIXTURES/DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
9. DISCONNECT AND REMOVE ALL (NOT SHOWN) EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE EMERGENCY LIGHTING CIRCUITRY ABOVE CEILING FOR REUSE. RESTORE CONNECTION TO EXISTING EMERGENCY FIXTURES AND EXIT SIGNS FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
10. DISCONNECT AND REMOVE ALL (NOT SHOWN) FIRE ALARM DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE FA CIRCUITRY ABOVE CEILING FOR REUSE. COORDINATE REMOVAL OF FIRE ALARM WIRING WITH BUILDING ENGINEER BEFORE PROCEEDING WITH DEMOLITION.
11. DISCONNECT AND REMOVE ALL (NOT SHOWN) RECEPTACLES, POKE-THRU DEVICES, SYSTEMS FURNITURE POWER/DATA FEEDS, AND CABLE TRAY SYSTEMS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE CIRCUITRY FROM DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
12. DISCONNECT AND REMOVE ALL (NOT SHOWN) TELEPHONE/DATA OUTLETS AND SECURITY DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED.

KEYED NOTES - DEMOLITION

1. REMOVAL: DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM MECHANICAL AND PLUMBING EQUIPMENT AS SHOWN ON PLAN, UNLESS OTHERWISE NOTED. REMOVE EXISTING WIRING FROM UNIT LOCATIONS BACK TO SOURCE PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION, AND LABEL BREAKER(S) AS "SPARE". RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
2. NOT USED.
3. DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM EXISTING WATER SOURCE HEAT PUMP (208V/1PH, 4.8 FLA). SAFELY TERMINATE CIRCUITRY ABOVE THE FIFTH FLOOR CEILING WITHIN BLDG 611 FOR REUSE. RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
4. FIRE ALARM DEVICES IN THE STAIRWELL ARE CURRENTLY FED FROM THE BLDG 601 FIRE ALARM SYSTEM AND SHALL BE PREPARED FOR RECONNECTION TO THE BLDG 611 FIRE ALARM SYSTEM, UNLESS OTHERWISE NOTED. . DISCONNECT ALL FIRE ALARM DEVICES AND REMOVE CIRCUITRY BACK TO NEXT ACTIVE DEVICE IN BLDG 601.

GENERAL NOTES - NEW WORK

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO ELECTRICAL DETAIL SHEET FOR LIGHTING FIXTURE AND OCCUPANCY SENSOR SCHEDULES AND ADDITIONAL INFORMATION.
3. COORDINATE ALL HVAC EQUIPMENT CONNECTION REQUIREMENTS WITH THE MANUFACTURER PRIOR TO ORDERING AND ROUGH-IN.

KEYED NOTES - NEW WORK

1. CONNECT NEW OR RELOCATED EMERGENCY LIGHTS & EXIT SIGNS TO EXISTING 277V EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA, LOCATED IN (E) EMERGENCY PANEL "E". PANEL DIRECTORY DOES NOT CHANGE UNDER THIS WORK. CIRCUIT SHALL NOT EXCEED 3500VA.
2. NOT USED.
3. SPLICE AND EXTEND EXISTING WATER SOURCE HEAT PUMP CIRCUITRY TO NEW WATER SOURCE HEAT PUMP (208V/1PH, 4.1 FLA). PROVIDE NEMA RECEPTACLE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ELECTRICAL ACCESSORIES FURNISHED WITH UNIT INSIDE THE UNIT CABINET. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

MARK	DATE	REVISIONS	BY	DES
1	5.15.2020	CD Revisions	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,
DRAWING FIFTH FLOOR DEMOLITION & NEW WORK - ELECTRICAL

SHEET
1-E-103

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1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

GENERAL NOTES - FIRE ALARM

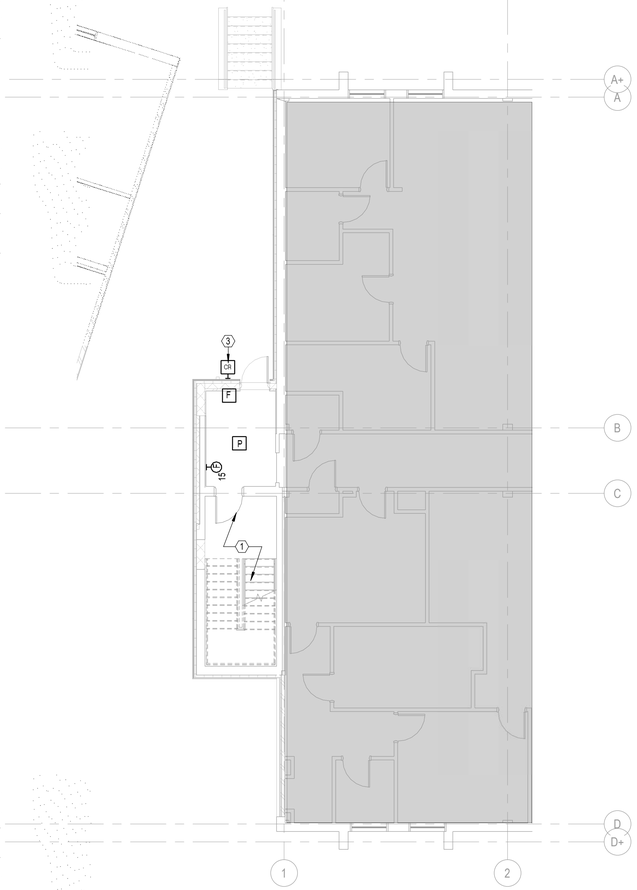
1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIRE ALARM WORK INCLUDING BUT NOT LIMITED TO: ADDITION OF STROBES, AUDIBLE DEVICES, CIRCUITRY EXTENSION, AND SYSTEM PROGRAM MODIFICATIONS. FURNISH AND INSTALL ALL NECESSARY CONTROL EQUIPMENT INCLUDING EXTENDER PANEL, INITIATING DEVICES AND NOTIFICATION APPLIANCES REQUIRED FOR THE EXPANSION OF THE EXISTING FIRE ALARM SYSTEMS DETAILED ON THE CONTRACT DRAWINGS AND AS SPECIFIED HEREIN. THE EQUIPMENT FURNISHED SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT. THE CONTRACTOR SHALL SURVEY THE EXISTING CONTROL PANEL TO DETERMINE ANY NECESSARY MODIFICATIONS AND/OR ADDITIONS NECESSARY TO INCORPORATE THE DEVICES ADDED UNDER THIS CONTRACT. PROVIDE SYNCHRONIZING OF STROBES FOR ALL EXISTING, NEW & RELOCATED DEVICES WITHIN THE AREA OF WORK. SYNCHRONIZATION OF STROBES SHALL BE PER NFPA72 REQUIREMENTS. IN THE EVENT OF A BUILDING EVACUATION ALARM, PROVIDE CONTROL WIRING FROM THE BUILDING FACP TO ALL SECURED DOORS IN THE PATH OF EGRESS TO RELEASE THE LOCK. COORDINATE WORK WITH THE SECURITY CONTRACTOR. PROVIDE REQUIRED DRY CONTACTS IN BUILDING FACP. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE LOCAL AUTHORITY AND SHALL INCLUDE, BUT NOT LIMITED TO EQUIPMENT CUT SHEET, SEQUENCE OF OPERATION, BATTERY CALCULATIONS, CIRCUIT CAPACITY CALCULATIONS, WIRING DIAGRAMS, RISER DIAGRAMS AND FLOOR PLANS.
3. PROVIDE ALL VISUAL AND AUDIBLE DEVICES (SPEAKER OR HORNS) IN WHITE COLOR W/ RED LETTERING UNLESS OTHERWISE NOTED. INSTALL ALL CEILING MOUNTED FIRE ALARM DEVICES IN THE CENTER OF CEILING TILE.
4. PROTECT EXISTING BUILDING SMOKE/FIRE DETECTION SYSTEM AS REQUIRED TO PREVENT FALSE ALARMS DUE TO CONSTRUCTIONS.
5. ALL FIRE ALARM EQUIPMENT SHALL BE REMAIN OPERATIONAL AND IN PLACE AS THE BUILD OUT OCCURS.
6. IF THE CONSTRUCTION REQUIRES INTERRUPTION OF THE BUILDING FIRE ALARM, OBTAIN WRITTEN 7-DAY NOTICE FROM THE BUILDING OWNER PRIOR TO THE INTERRUPTION. FOLLOW ALL RULES AND REGULATIONS PROVIDED BY THE BUILDING OWNER AND ALL CODE REQUIREMENTS FOR A FIRE ALARM INTERRUPTION.
7. FINAL CONNECTION TO BUILDING FIRE ALARM SYSTEM SHALL BE PERFORMED BY BASE BUILDING FIRE ALARM CONTRACTOR BUT SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
8. THE SYSTEM SHALL COMPLY WITH NFPA 72.

KEYED NOTES - FIRE ALARM

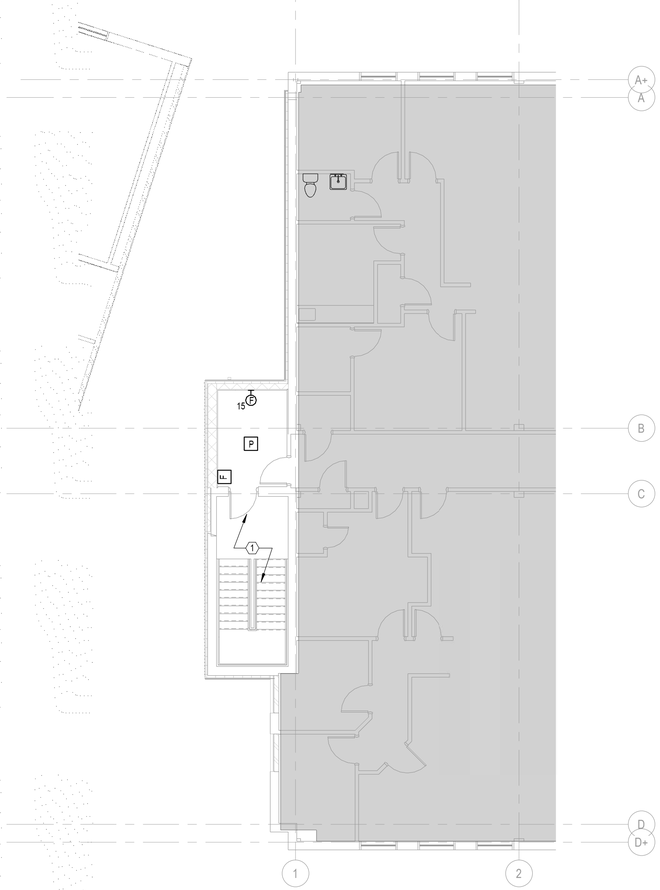
1. RECONNECT EXISTING FIRE ALARM DEVICES IN STAIRWELL TO BLDG 611 FIRE ALARM SYSTEM. VERIFY OPERATIONAL STATUS OF DEVICES AND REPLACE DEFECTIVE DEVICES. PROVIDE UPDATED GRAPHIC ANNUNCIATOR PANEL AS REQUIRED.
2. NOT USED.
3. CARD READERS/MAG LOCKS: PROVIDE CONTROL WIRING FROM SECURITY SYSTEM TO CONNECT TO BASE BUILDING FIRE ALARM SYSTEM FOR RELEASE OF DOORS UPON SIGNAL FROM BASE BUILDING FIRE ALARM SYSTEM.

FIRE ALARM SYMBOLS

DESIGNATION	DESCRIPTION	MTG HGT TO AFF CENTERLINE (UON)
15 F	FIRE ALARM VISUAL ALARM SIGNAL MOUNTED AT LOWER OF 80" OR 6" BELOW CEILING - NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 C	FIRE ALARM COMBINATION AUDIBLE/VISUAL ALARM SIGNAL. MOUNTED AT LOWER OF 80" OR 6" BELOW CEILING. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 F	CEILING FIRE ALARM VISUAL ALARM SIGNAL. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 C	CEILING FIRE ALARM COMBINATION AUDIBLE/VISUAL ALARM SIGNAL. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
F	FIRE ALARM MANUAL STATION	4'-0"
#	DENOTES PLAN SPECIFIC KEYED NOTE	
(E)	EXISTING TO REMAIN - CONTINUE IN SERVICE	
(R)	EXISTING TO BE REMOVED AND RELOCATED	
(RE)	RELOCATED EQUIPMENT	
P	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR - SUBSCRIPT D DENOTES DUCT DETECTOR	-



1 1-E-104 **FOURTH FLOOR - NEW WORK - FIRE ALARM**
SCALE: 1/8" = 1'-0"



2 1-E-104 **FIFTH FLOOR - NEW WORK - FIRE ALARM**
SCALE: 1/8" = 1'-0"

1	5.15.2020
MARK	DATE
REVISIONS	
GTH	BY
CD Revisions	DES

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FOURTH & FIFTH FLOOR NEW WORK - FIRE ALARM

SHEET
1-E-104

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1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3"

ELECTRICAL SPECIFICATIONS

A. GENERAL

1. REFER TO BOOK SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND SCOPE.
2. THE CONTRACTOR SHALL COMPLY WITH ALL THE LAWS, ORDINANCES, RULES AND REGULATIONS OF ALL LOCAL AND STATE GOVERNMENTAL AUTHORITIES, THE RULES OF THE NATIONAL FIRE PROTECTION ASSOCIATION AS INTERPRETED BY THE ENFORCING AUTHORITY HAVING JURISDICTION AND OF THE PUBLIC UTILITIES HAVING CONNECTION WITH ANY OF THE SYSTEMS HEREIN SPECIFIED.
3. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY ANY OF THE FOREGOING AUTHORITIES, AND PAY FOR ALL OTHER COSTS IN CONNECTION WITH THE WORK. ALL CERTIFICATES SHALL BE IN DUPLICATE AND SHALL BE DELIVERED TO THE ARCHITECT/ENGINEER/OWNER.
4. THE SITE, LOCATION AND ROUTING OF SYSTEMS INDICATED TO HAVE NEW CONNECTIONS MADE TO THEM ARE SHOWN AS ACCURATELY AS FIELD CONDITIONS WOULD PERMIT. BIDDERS SHALL VISIT THE SITE AND THOROUGHLY EXAMINE THE CONTRACT DRAWINGS. BIDDERS WHO DO NOT VISIT THE SITE MAY BE UNILATERALLY NOT PERMITTED TO SUBMIT A BID IF THE OWNER SO DESIGNATES. ALL EXISTING CONDITIONS SHALL BE EXAMINED AND THEIR EXACT LOCATIONS VERIFIED. THE CONTRACTOR SHALL REPORT TO THE ARCHITECT/ENGINEER/OWNER BEFORE SUBMITTING A BID, ANY CONDITIONS WHICH MIGHT MAKE INSTALLATION OF REQUIRED EQUIPMENT A PROBLEM. NO CONSIDERATION OR ALLOWANCE WILL BE GRANTED FOR FAILURE TO INVESTIGATE CONDITIONS OR MISUNDERSTANDINGS OF THE CONTRACTUAL REQUIREMENTS.
5. THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT NOT INDICATED TO BE REUSED TO A DESIGNATED LOCATION AT THE PROJECT SITE. AFTER THE EQUIPMENT HAS BEEN ASSEMBLED FOR THE OWNER'S INSPECTION AND POSSIBLE RETENTION, ALL EQUIPMENT NOT TO BE RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR. ALL BUILDING SYSTEMS SHALL REMAIN IN SERVICE UNLESS INDICATED OTHERWISE. ALL OUTAGES OR INTERRUPTIONS SHALL BE KEPT TO MINIMUM DURATION. NOTIFY THE OWNER 48 HOURS IN ADVANCE OF ANY OUTAGE OR INTERRUPTION.
6. THE CONTRACTOR SHALL INSTALL AND CONNECT ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE BEST ENGINEERING PRACTICE AND, UNLESS OTHERWISE SHOWN OR SPECIFIED, FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS AND FURNISH AND INSTALL ALL REQUIRED AUXILIARY ITEMS COMPLETE.
7. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC AND FOR BIDDING PURPOSES ONLY. WHILE THE DRAWINGS ARE GENERALLY TO SCALE AND ARE AS ACCURATE AS THE SCALE WILL PERMIT, ALL IMPORTANT DIMENSIONS SHALL BE DETERMINED IN THE FIELD. THEY ARE NOT TO BE CONSIDERED TO BE ERECTION DRAWINGS.
8. COORDINATE WITH ALL TRADES TO AVOID INTERFERENCE AMONG MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL ITEMS. PROVIDE ALL NECESSARY OFFSETS AND FITTINGS IN CIRCUITRY AND OTHER ITEMS REQUIRED TO INSTALL THE WORK WITHOUT INTERFERENCES.
9. THE CONTRACTOR SHALL TEST ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT AND DEMONSTRATE TO THE OWNER ITS PROPER OPERATIONS. ALL NEW EQUIPMENT SHALL BE MOUNTED VIBRATION FREE.
10. ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED IN FULL FROM ALL DEFECTS FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THIS WORK.
11. ALL EQUIPMENT INSTALLED SHALL BE NEW AND SHALL CONFORM IN ALL RESPECTS TO THE LATEST APPROVED STANDARDS OF IEEE, ANSI, NEMA AND UNDERWRITERS LABORATORIES, INC., UNLESS INDICATED OTHERWISE.
12. SHOP DRAWINGS AND PRODUCT DATA: SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR ALL NEW MATERIAL AND EQUIPMENT PROVIDED UNDER THIS WORK. MATERIAL AND EQUIPMENT SHALL BE SUBMITTED AND APPROVED BEFORE ORDERING. SUBMIT A MINIMUM OF 6 COPIES TO THE ARCHITECT/ENGINEER/OWNER FOR REVIEW. ELECTRONIC SUBMISSIONS ARE ACCEPTABLE. SUBSTITUTION ARE SUBJECT TO DISCRETION OF THE ARCHITECT/ENGINEER/OWNER. IF CONSIDERED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND SHALL MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS.
13. REPAIR OF EXISTING WORK: ALL WORK SHALL BE CAREFULLY LAID OUT IN ADVANCED, AND WHERE CUTTING, CHANNELING, CHASING, OR DRILLING OF FLOORS, WALL, PARTITIONS, CEILINGS, OR OTHER SURFACES IS NECESSARY FOR THE PROPER INSTALLATION, SUPPORT, OR ANCHORAGE OF THE CONDUIT, RACEWAYS OR OTHER ELECTRICAL WORK, THIS WORK SHALL BE CAREFULLY DONE, AND ANY DAMAGE TO BUILDING, PIPING, OR EQUIPMENT SHALL BE REPAIRED BY SKILLED MECHANICS OF THE TRADE INVOLVED, AT NO ADDITIONAL COST TO THE OWNER. METHODS FOR AND EXACT LOCATIONS OF PROPOSED CUTTING, CHANNELING, CHASING OR DRILLING OF EXISTING CONSTRUCTION SHALL BE AS APPROVED BY THE OWNER.
14. THE CONTRACTOR SHALL REPAIR ALL WALL, CEILING, FLOOR, OR ROOF OPENINGS WHICH ARE CREATED BY DEMOLITION OR PENETRATION. THE REPAIRS SHALL BE WITH MATERIALS AND FINISHES TO MATCH EXISTING. ALL FIRE RATED PENETRATIONS SHALL BE SEALED WITH SUITABLE MATERIALS TO PRESERVE FIRE RATED INTEGRITY.
15. DEFINITIONS: "PROVIDE" UNDER THIS CONTRACT IS DEFINED AS FURNISH AND INSTALL. "CONCEALED" UNDER THIS CONTRACT IS DEFINED AS WITHIN ARCHITECTURAL WALLS AND ABOVE CEILINGS."EXPOSED" UNDER THIS CONTRACT IS DEFINED AS VISIBLE TO VIEW, INCLUDING ELECTRICAL ROOMS. "INDICATED" UNDER THIS CONTRACT IS DEFINED AS SHOWN IN THE CONTRACT DOCUMENTS. "CIRCUITRY" UNDER THIS CONTRACT IS DEFINED AS CONDUIT, FEEDER AND OR CIRCUIT.
16. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE CONTRACT AREA AND ALL OTHER AREAS USED FOR STORAGE, STAGING, ETC.
17. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER/OWNER WHEN THE PROJECT IS APPROXIMATELY 75% COMPLETED IN ORDER TO SCHEDULE A PRE-FINAL REVIEW OF CONSTRUCTION. NO WORK SHALL BE CONCEALED BY CEILINGS, WALLS, ETC. FINAL REVIEW SHALL BE SCHEDULED AT 100% COMPLETION. ALL PUNCH LIST ITEMS MUST BE ACCOMPLISHED PRIOR TO FINAL ACCEPTANCE.
18. THE CONTRACTOR SHALL PREPARE A COMPREHENSIVE METHOD OF PROCEDURE AND SUBMIT IT TO THE OWNER WITH SHOP DRAWINGS FOR REVIEW. THE SUBMITTAL SHALL ITEMIZE METHODS OF PROCEDURE FOR ALL POTENTIAL EMERGENCY SITUATIONS AND SHALL INCLUDE A LIST OF PERSONS REPRESENTING THE OWNER AND THE CONTRACTOR ALONG WITH DAYTIME EMERGENCY PHONE NUMBERS INDICATING WHO SHALL BE CONTACTED IN THE EVENT OF AN EMERGENCY. THIS LIST SHALL BE DISTRIBUTED TO THE OWNER'S REPRESENTATIVE AND THE CONTRACTORS SUPERINTENDENT OR FOREMAN AT THE SITE. EMERGENCY SITUATIONS SHALL INCLUDE BUT NOT BE LIMITED TO POWER OUTAGES, CHILLED AND CONDENSER WATER SYSTEM RUPTURES, AUTOMATIC TEMPERATURE CONTROL OUTAGES AND OWNER'S EQUIPMENT DAMAGE. THE COMPREHENSIVE METHOD OF PROCEDURE SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCEMENT OF ANY WORK.
19. PROVIDE TEMPORARY SERVICE FOR LIGHTING AND POWER EQUIPMENT (DRILLS, SAW, ETC.). VERIFY TEMPORARY REQUIREMENTS WITH GENERAL CONTRACTOR. TEMPORARY LIGHTING AND POWER SHALL MEET OSHA REQUIREMENTS AND LOCAL CODE. TEMPORARY POWER SHALL BE 120 VOLTS.
20. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN. INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP DIRT, DUST, AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER DEMOLITION OPERATIONS ARE COMPLETE.
21. FINAL TESTING: AT THE TIME OF FINAL INSPECTION AND TESTS, ALL CONNECTIONS AT PANELBOARDS, DEVICES AND EQUIPMENT AND ALL SPLICES MUST BE COMPLETED. EACH BRANCH CIRCUIT AND ITS RESPECTIVE CONNECTED EQUIPMENT MUST TEST FREE OF SHORT CIRCUITS. UPON COMPLETION OF THE WORK, CLEAN AND POLISH ALL EXPOSED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
22. CONTRACTOR SHALL PROVIDE ACCESS PANEL FOR JUNCTION BOXES, DISCONNECT SWITCHES, OR OTHER DEVICES WHICH REQUIRE SERVICE ACCESS PER NEC.

B. LIGHTING

1. COORDINATE RECESSED LIGHTING FIXTURES WITH MECHANICAL EQUIPMENT AND ARCHITECTURAL CEILING PLAN. GRID LAYOUT ON PLANS IS APPROXIMATE. ADJUST LIGHTING FIXTURES IN FIELD PER ARCHITECT.
2. PROVIDE FINISHING FRAMES FOR ALL RECESSED LIGHTING FIXTURES, TYPE TO BE COMPATIBLE WITH CEILING. COORDINATE ALL FIXTURE TYPES WITH CEILING SYSTEM BEFORE ORDERING FIXTURES. PROVIDE ALL MOUNTING ATTACHMENTS FOR A COMPLETE INSTALLATION.
3. IN LOCATIONS WHERE NEW DUCTWORK OR CEILING IS INSTALLED UNDER THIS CONTRACT BUT LIGHTING FIXTURES HAVE NOT BEEN REVISED, REMOVE EXISTING FIXTURES AS NECESSARY TO RUN THE NEW DUCTWORK OR CEILING AND RE-HANG AFTER THE MECHANICAL OR ARCHITECTURAL WORK IS COMPLETED.
4. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION TO SUIT PROJECT CONDITIONS.
5. PROVIDE MEANS OF SUPPORT PER NEC 410.36.

C. EQUIPMENT CONNECTION

1. EXTEND WIRING TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AND MAKE FINAL AND COMPLETE CONNECTIONS TO ALL EQUIPMENT. BEFORE ROUGHING IN, THE LOCATION AND TYPE OF DEVICE SHALL BE VERIFIED FROM SHOP DRAWINGS OF THE EQUIPMENT. STARTERS AND DISCONNECTS AND OTHER ELECTRICAL CIRCUITRY AND DEVICES SHALL BE LOCATED TO ALLOW ACCESS TO DEVICES AND NOT INTERFERE WITH THE OPERATION OF THE MECHANICAL OR ARCHITECTURAL DEVICES OR THEIR POSSIBLE MAINTENANCE OR REMOVAL.

D. DEMOLITION

1. PROVIDE DEMOLITION AS INDICATED ON DEMOLITION PLANS. CIRCUITRY NOTED FOR REMOVAL SHALL BE REMOVED BACK TO THE SOURCE BUS UNLESS OTHERWISE NOTED. BE RESPONSIBLE FOR THE COMPLETE REMOVAL FROM THE SITE FOR ALL EQUIPMENT AND MATERIAL REMOVED UNDER DEMOLITION WORK, UNLESS OTHERWISE NOTED OR DIRECTED. EXISTING CIRCUITS-TO- REMAIN INTERRUPTED BY DEMOLITION SHALL BE RESTORED FOR OPERATION AS BEFORE. OUTAGES REQUIRED TO PERFORM DEMOLITION SHALL BE COORDINATED WITH THE OWNER AND PROCESSED OUTSIDE OF NORMAL BUSINESS HOURS. REPAIR ALL WALL, CEILING, FLOOR OR ROOF OPENINGS CREATED BY DEMOLITION. REPAIRS SHALL BE PROVIDED BY WORKMAN SKILLED IN THE TRADE AND SHALL CONFORM WITH MATERIAL AND FINISHES TO MATCH EXISTING.
2. LOCATE, IDENTIFY AND PROTECT ELECTRICAL SERVICES PASSING THROUGH DEMOLITION AREA AND SERVING OTHER AREAS OUTSIDE THE DEMOLITION LIMITS. MAINTAIN SERVICES TO AREAS OUTSIDE DEMOLITION LIMITS. WHEN SERVICES MUST BE INTERRUPTED, INSTALL TEMPORARY SERVICES FOR AFFECTED AREAS.

SCHEDULE

THE DEMOLITION WILL OCCUR IN TWO PHASES:

PHASE 1
THE FIRST PHASE WILL INCLUDE THE ISOLATION OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING FROM THE REST OF THE STRUCTURE. THIS EFFORT WILL INCLUDE THE CONSTRUCTION OF AN EXPANDED VESTIBULE AND ACCESS PATHS AT THE EXISTING STAIR TOWER. THE EFFORT WILL ALSO INCLUDE SOME BUILDING UTILITY WORK AS NOTED BELOW:

ELECTRICAL:
IN ORDER TO ELECTRICALLY ISOLATE AND MAINTAIN SYSTEM OPERATIONS OF THE MULTI-STORY PHYSICIAN'S OFFICE BUILDING, THE CONTRACTOR SHALL DISCONNECT ALL ELECTRICAL DEVICES, LIGHTING CIRCUITS, AND MECHANICAL EQUIPMENT FEEDERS SERVING IN THE CONNECTOR BUILDING AND MRI BUILDING. THE MRI BUILDING, THE STAIR TOWER, AND CONNECTOR BUILDING ARE DETERMINED TO FED FROM THE PHYSICIAN'S OFFICE BUILDING.
AS PART OF THIS FIRST PHASE OF THE WORK, ALL POWER AND LIGHTING PANELS AND TRANSFORMERS WITHIN THE MRI ADDITION ARE TO BE REMOVED ALONG WITH ALL ASSOCIATED FEEDERS BACK TO THE SOURCE CONNECTION POINT IN THE PHYSICIAN'S OFFICE BUILDING. AT THE SOURCE PANELBOARDS AND SWITCHBOARDS WITHIN THE PHYSICIAN'S OFFICE BUILDING, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE." RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION. REMOVE ALL CIRCUITRY CROSSING BETWEEN BUILDINGS BACK TO THE NEXT ACTIVE OUTLET, FIXTURE, OR EQUIPMENT OR BACK TO THE SOURCE PANELBOARD IF THE CIRCUIT IS NO LONGER ACTIVE AS NOTED ABOVE.
ELECTRICAL DEVICES, FIXTURES, AND EQUIPMENT IN THE EXISTING STAIR TOWER ARE EXISTING TO REMAIN. CIRCUITS SERVING THIS AREA ARE TO BE MAINTAINED AND ADJUSTED AS REQUIRED TO KEEP THE EGRESS STAIR TOWER OPERATIONAL THROUGHOUT THE PROJECT DURATION. EXIT DISCHARGE LIGHTING AT THE STAIR EXIT SHALL BE RELOCATED AS NECESSARY TO ACCOMMODATE THE NEW DOOR LOCATION.
ALL FIRE ALARM DEVICES IN THE CONNECTOR BUILDING AND THE EXISTING STAIR TOWER SHALL BE DISCONNECTED, AND ALL WIRING SHALL BE REMOVED BACK TO THE SOURCE IN HVAC BUILDING. FIRE ALARM DEVICES IN THE EXISTING STAIR TOWER SHALL BE RECONNECTED TO THE FIRE ALARM SYSTEM IN PHYSICIAN'S OFFICE BUILDING. THE EXISTING FIRE ALARM CONTROL PANEL SHALL BE ADJUSTED TO ACCOMMODATE THESE ADDITIONAL DEVICES. OTHER FIRE ALARM DEVICES IN THE CONNECTOR BUILDING SHALL BE REMOVED AS WELL AS ALL FIRE ALARM, BRANCH CIRCUITRY, ELECTRICAL DEVICES AND FIXTURES, PANELBOARDS, AND FEEDERS IN THE MRI ADDITION.

PHASE 2 (REFER TO SEPARATE CONSTRUCTION DOCUMENTS)
THE TEMPORARY ELECTRICAL SERVICES PROVIDED IN PHASE ONE SHALL BE DISCONNECTED. ONCE THE PHYSICIAN'S OFFICE BUILDING IS FULLY ISOLATED AND THE EGRESS STAIR TOWER RENOVATION AND EGRESS PATH IS COMPLETE, THE SECOND PHASE OF THE DEMOLITION CAN PROCEED. THE SECOND PHASE OF DEMOLITION WILL INCLUDE THE COMPLETE DEMOLITION OF THE EXISTING VIRGINIA HOSPITAL CENTER (BUILDING 601), THE REMAINING PORTION OF THE CONNECTOR BUILDING.

ABBREVIATIONS

A	AMPS		
AIC	AMPERES INTERRUPTING CAPACITY		
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	MLO	MAIN LUG ONLY
BLDG	BUILDING	MOCP	MAXIMUM OVERCURRENT PROTECTION
C	CONDUIT		
CATV	CLOSED CIRCUIT TELEVISION	MTS	MANUAL TRANSFER SWITCH
CB	CIRCUIT BREAKER	N	NEUTRAL
CKT	CIRCUIT	NEC	NATIONAL ELECTRICAL CODE
CO	CARBON MONOXIDE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
DED	DEDICATED		
DISC SW	DISCONNECT SWITCH	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
DP	DISTRIBUTION PANEL		
DWG	DRAWING	NFSS	NON FUSED SAFETY SWITCH
EA	EACH	NIC	NOT IN CONTRACT
EC	EMPTY CONDUIT	NO.	NUMBER
EGC	EQUIPMENT GROUND CONDUCTOR	NTS	NOT TO SCALE
EM/NL	EMERGENCY/NIGHT LIGHT	OCPD	OVER-CURRENT PROTECTION DEVICE
EMT	ELECTRICAL METALLIC TUBING		
ENGR	ENGINEER	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
EPO	EMERGENCY POWER OFF		
EQUIP	EQUIPMENT	P	POLE
EUH	CABINET UNIT HEATER	PB	PULL BOX
EWC	ELECTRIC WATER COOLER	PC	PERSONAL COMPUTER
FA	FIRE ALARM	PH	PHASE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	PNL	PANEL
FACP	FIRE ALARM CONTROL PANEL	PVC	POLYVINYL CHRORIDE
FLA	FULL LOAD AMPS	RCPT	RECEPTACLE
FLUOR	FLUORESCENT	RECEPT	RECEPTACLE
FPVAV	FAN POWER VAV BOX	RLA	RUN LOAD AMP
FSS	FUSED SAFETY SWITCH	RM	ROOM
G,GND,GRD,G	GROUND CONDUCTOR	RSC	RIGID STEEL CONDUIT
GAP	GRAPHIC ANNUNCIATOR PANEL	SD	SMOKE DETECTOR
GC	GENERAL CONTRACTOR	SW	SWITCH
GEC	GROUND ELECTRODE CONDUCTOR	SWB	SWITCHBOARD
GFI	GROUND FAULT INTERRUPTER	SYS FURN	SYSTEM FURNITURE
HP	HORSE POWER	TEL,T	TELEPHONE
HWH	HOT WATER HEATER	TF	TRANSFER FAN WITH LOCAL TOGGLE SWITCH
HZ	HERTZ		
IG	ISOLATED GROUND	TYP	TYPICAL
J,JB	JUNCTION BOX	UL	UNDERWRITER LABORATORIES
KVA	KILO-VOLT AMPERE	UON	UNLESS OTHERWISE NOTED
KW	KILO-WATT	V	VOLT
LRA	LOCKED ROTOR AMPS	W	WIRE
LTG	LIGHT	W/	WITH
MAX	MAXIMUM	WATT, #W	WATT
MC	METAL CLAD CABLE	WH	WATER HEATER
MCA	MINIMUM CIRCUIT AMPS	WP	WATER PROOF
MCB	MAIN CIRCUIT BREAKER	WSA	WIRE SIZE AMPS
MCC	MOTOR CONTROL CENTER	WT	WIRING TROUGH
MDP	MAIN DISTRIBUTION PANEL	XFMR	TRANSFORMER
MH	MOUNTING HEIGHT		

GENERAL NOTES

1. ALL WORK IS NEW UNLESS OTHERWISE NOTED.
2. SHADED REGIONS ON THE FLOOR PLANS ARE OUTSIDE THE AREA OF WORK UNLESS OTHERWISE NOTED.

ELECTRICAL LEGEND

DESIGNATION	DESCRIPTION	MTG HGT TO CENTER LINE AFF (UON)
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	FLUORESCENT/LED EMERGENCY LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE	-
	LED EMERGENCY EXTERIOR WALLPACK LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE	9'-0"
	FLUORESCENT/LED LIGHTING FIXTURE - "UPPER CASE" INDICATES FIXTURE TYPE "LOWER CASE" (IF SHOWN) INDICATES SWITCH CONTROL	-
	CEILING MOUNTED EXIT LIGHT SINGLE FACE/DOUBLE FACE WITH ARROWS AS INDICATED	-
S	SINGLE POLE SWITCH	-
	DUPLEX RECEPTACLE - NEMA 5-20R	18"
G	DUPLEX RECEPTACLE - NEMA 5-20R WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER	18"
	DOUBLE DUPLEX RECEPTACLE - NEMA 5-20R	18"
J	CEILING MOUNTED JUNCTION BOX	-
J	WALL MOUNTED JUNCTION BOX	-
CR	CARD READER - PROVIDE 4" SQUARE BOX AND STUB OUT 3/4" EC 6" INTO CEILING SPACE. PROVIDE MATCHING OUTLET FOR PUSH EXIT BUTTON AS REQUIRED.	4'-0"
T	TRANSFORMER	-
	GROUND	-
	PANELBOARD 120/208V SYSTEM	6'-0" TO TOP
	PANELBOARD 277/480V SYSTEM	6'-0" TO TOP
M	MOTOR CONNECTION	-
30	NON-FUSED SAFETY DISCONNECT SWITCH - NUMERAL DENOTES SWITCH SIZE - 3 POLE UON	5'-0" TO TOP
60 / 50	FUSED SAFETY DISCONNECT SWITCH - UPPER NUMERAL DENOTES SWITCH SIZE, LOWER NUMERAL DENOTES FUSE SIZE - 3 POLE UON	5'-0" TO TOP
EP-1,3	HOMERUN TO PANELBOARD - NO. OF ARROWHEADS INDICATE NO. OF CIRCUITS. NUMERALS & LETTERS ADJACENT TO ARROWHEADS INDICATE ASSIGNED PANEL & CIRCUIT NO.'S	-
#10	TICK MARKS IN HOMERUN OR BRANCH CIRCUITRY, UNLESS OTHERWISE SCHEDULED, INDICATE THE QUANTITY (WHERE MORE THAN TWO) OF CURRENT CARRYING CONDUCTORS. NUMERAL ADJACENT TO TICKS INDICATES WIRE SIZE IF OTHER THAN #12. ALL WRING SHALL ALSO CONTAIN AN INSULATED EQUIPMENT GROUND CONDUCTOR SIZED PER NEC. (NOT SHOWN)	-
	GENERAL CIRCUITRY	-
	CIRCUITRY INSTALLED CONCEALED IN OR BELOW FLOOR SLAB	-
#	DENOTES PLAN SPECIFIC NOTE	-
M	METER	-
(E)	EXISTING TO REMAIN - CONTINUE IN SERVICE	
(R)	REMOVE EXISTING AND RELOCATE	
(RE)	RELOCATED EQUIPMENT	
(X)	REMOVE WITH ALL CIRCUITRY THERETO	

DRAWING LIST

MARK	DATE	REVISIONS	BY
1	5.15.2020	CD Revisions	GTH
			DES

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING COVER SHEET - ELECTRICAL

SHEET
1-E-001

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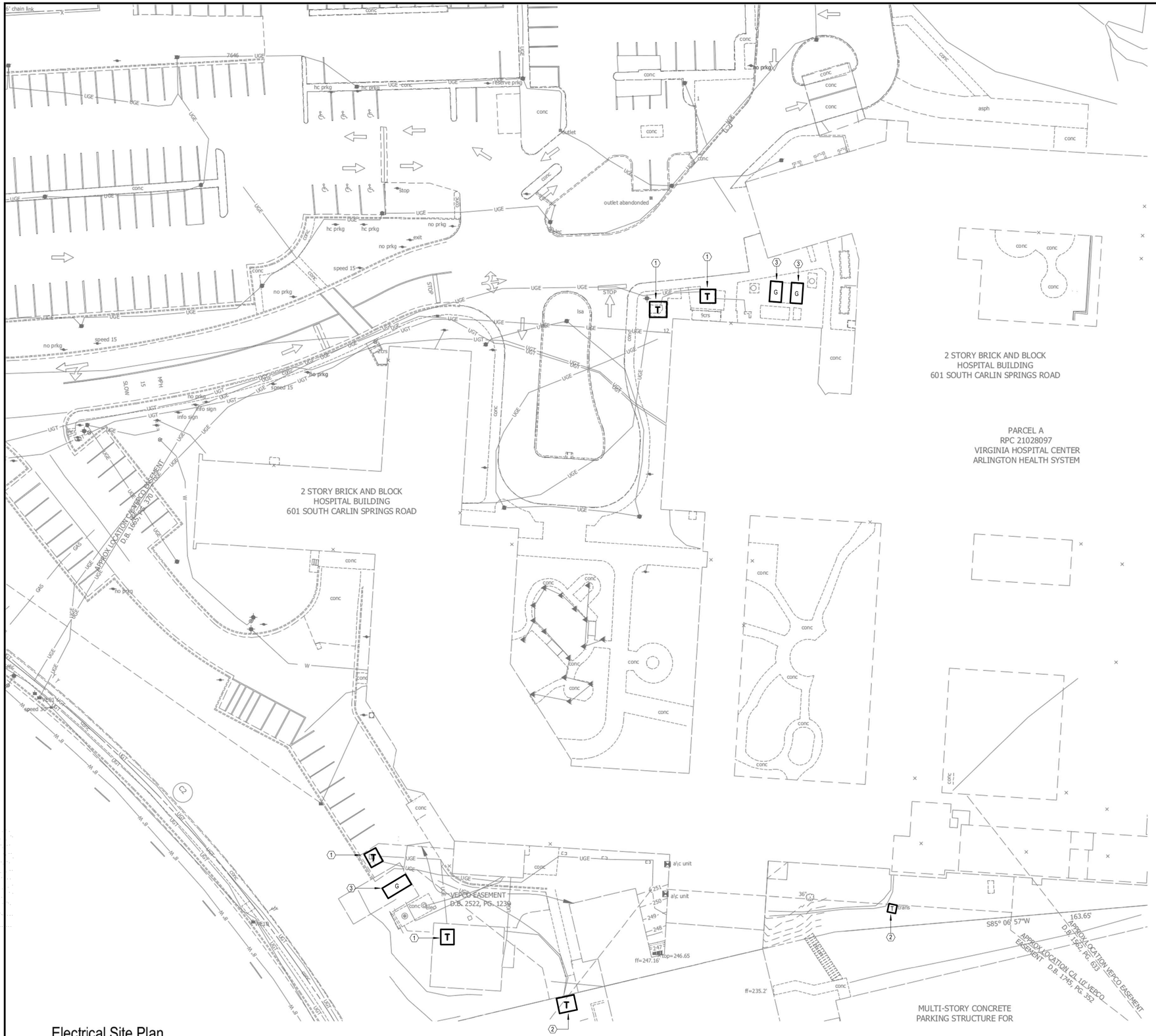
1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3"



Electrical Site Plan

SCALE: 1" = 24'

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

GENERAL NOTES - ELECTRICAL

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.

KEYED NOTES - ELECTRICAL

1. TO BE REMOVED FROM SERVICE: DOMINION ENERGY UTILITY TRANSFORMER FEEDING THE VIRGINIA HOSPITAL CENTER (BLDG 601). OWNER SHALL APPLY FOR AND OBTAIN UTILITY DISCONNECT LETTERS.
2. EXISTING TO REMAIN: DOMINION ENERGY UTILITY TRANSFORMER FEEDING THE DOCTOR'S OFFICE BUILDING (BLDG 611).
3. DIESEL GENERATOR FEEDING THE VIRGINIA HOSPITAL CENTERY (BLDG 601). REMOVE FROM SERVICE. REROGRAM FIRE ALARM SYSTEM TO PREVENT SUPERVISORY AND TROUBLE SIGNALS FROM GENERATOR DISCONNECTION.

THE WORK INDICATED ON THIS DRAWING IS NOT IN CONTRACT AND IS INCLUDED FOR INFORMATION ONLY.

MARK	REVISIONS	DATE	BY	DES
1	CD Revisions	5.15.2020	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 2
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING SITE PLAN - ELECTRICAL

SHEET
1-E-101

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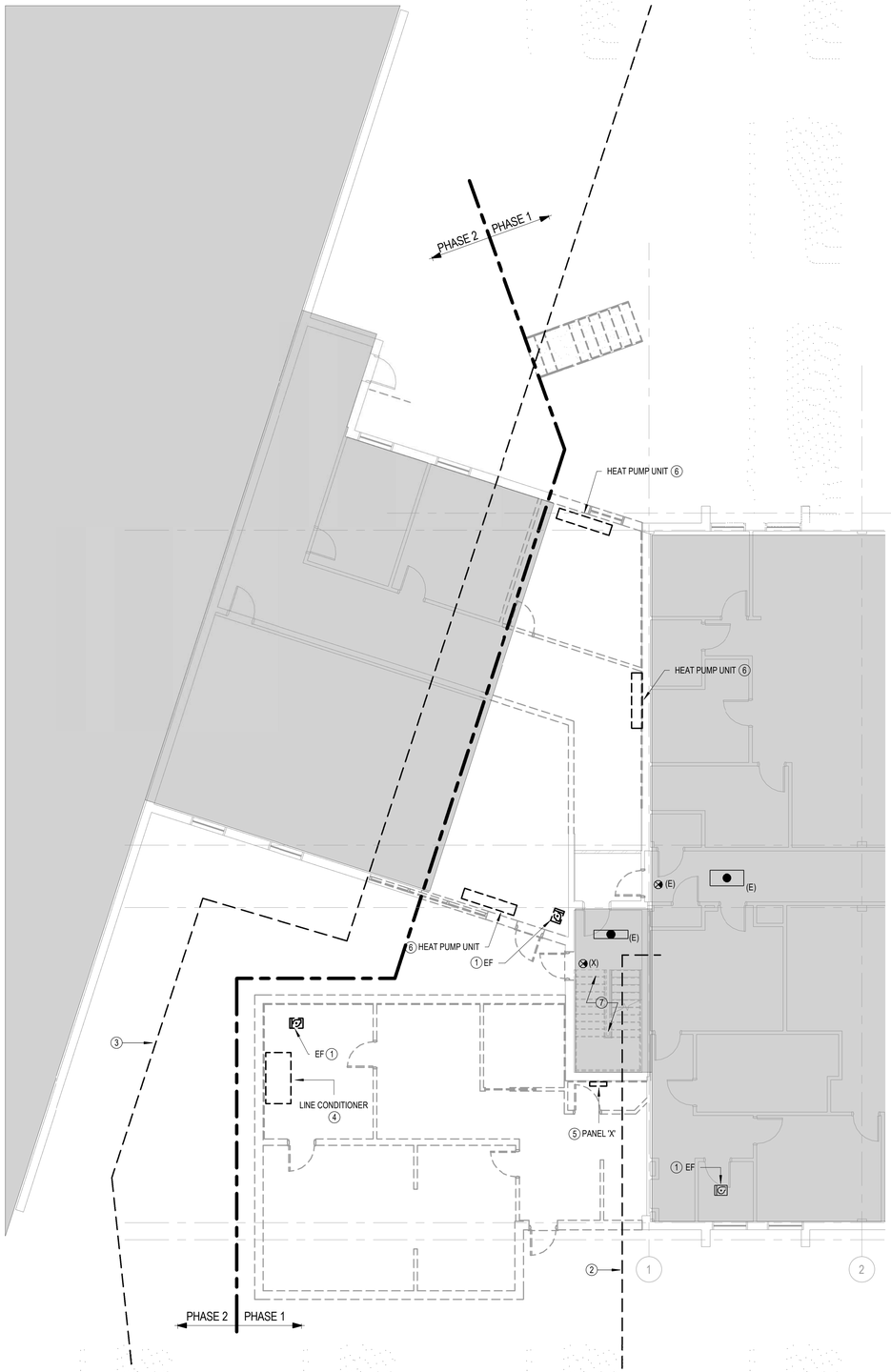
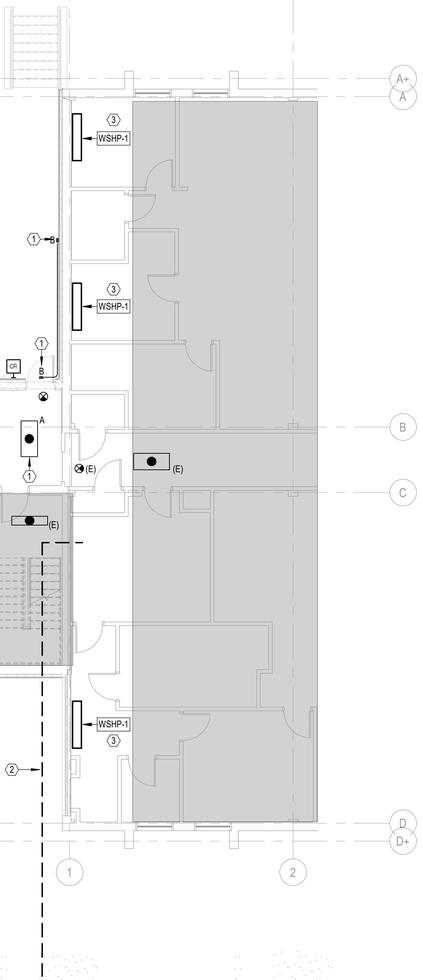


1 1-E-102 **FOURTH FLOOR - DEMOLITION - ELECTRICAL**
SCALE: 1/8" = 1'-0"



2 1-E-102 **FOURTH FLOOR - NEW WORK - ELECTRICAL**
SCALE: 1/8" = 1'-0"

GENERAL NOTES - DEMOLITION

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO FIRE ALARM NEW WORK PLAN FOR FIRE ALARM SYMBOLS.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS FOR ALL RELOCATED/DEMOLISHED EQUIPMENT.
3. PROVIDE COMPLETE ELECTRICAL DEMOLITION IN THE AREA OF WORK UNLESS OTHERWISE NOTED SO AS TO ELECTRICALLY ISOLATE EXISTING TO REMAIN BUILDING PORTIONS.
4. PROTECT EXISTING EMERGENCY LIGHTS, EXIT SIGNS AND FIRE ALARM DEVICES EXCEPT WHERE DEMOLITION IS NEEDED.
5. DEMOLITION WORK INDICATED IS DIAGRAMMATIC AND NOT SHOWN INCLUSIVELY. DEMOLITION DRAWING IS INTENDED TO DEMONSTRATE MAJOR ITEMS ONLY. CONTRACTOR IS REQUIRED TO PERFORM SELECTIVE DEMOLITION AS NEEDED TO ACCOMPLISH THE PROJECT INTENT. IF DEMOLITION WORK IS UNCLEAR FOR ANY ITEM, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION BEFORE PROCEEDING.
6. REMOVE ALL ABANDONED WIRING BACK TO THE PANEL/SOURCE AS APPLICABLE.
7. COORDINATE WITH OWNERS/BUILDING ENGINEERS PRIOR TO SCHEDULING ANY SHUTDOWN REQUIRED DURING CONSTRUCTION.
8. DISCONNECT AND REMOVE ALL (NOT SHOWN) LIGHTING FIXTURES AND ASSOCIATED CONTROLS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE WIRING FROM FIXTURE/DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING FIXTURES/DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
9. DISCONNECT AND REMOVE ALL (NOT SHOWN) EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE EMERGENCY LIGHTING CIRCUITRY ABOVE CEILING FOR REUSE. RESTORE CONNECTION TO EXISTING EMERGENCY FIXTURES AND EXIT SIGNS FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
10. DISCONNECT AND REMOVE ALL (NOT SHOWN) FIRE ALARM DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE FA CIRCUITRY ABOVE CEILING FOR REUSE. COORDINATE REMOVAL OF FIRE ALARM WIRING WITH BUILDING ENGINEER BEFORE PROCEEDING WITH DEMOLITION.
11. DISCONNECT AND REMOVE ALL (NOT SHOWN) RECEPTACLES. POKE-THRU DEVICES, SYSTEMS FURNITURE POWER/DATA FEEDS, AND CABLE TRAY SYSTEMS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE CIRCUITRY FROM DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION..
12. DISCONNECT AND REMOVE ALL (NOT SHOWN) TELEPHONE/DATA OUTLETS AND SECURITY DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED.

KEYED NOTES - DEMOLITION

1. REMOVAL: DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM MECHANICAL AND PLUMBING EQUIPMENT AS SHOWN ON PLAN, UNLESS OTHERWISE NOTED. REMOVE EXISTING WIRING FROM UNIT LOCATIONS BACK TO SOURCE PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION, AND LABEL BREAKER(S) AS "SPARE". RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
2. EXISTING TO REMAIN CONCRETE ENCASED 16-WAY DUCTBANK BENEATH MRI BUILDING AND STAIRWELL.
3. UNDERGROUND ELECTRICAL PRIMARY CONDUIT AND CONDUCTORS SERVING THE ADJACENT BLDG 601. COORDINATE ELECTRICAL UTILITY DISCONNECTION FOR BLDG 601 PRIOR TO ANY DEMOLITION WORK.
4. DISCONNECT POWER FOR LINE CONDITIONER CIRCUIT AT THE MAIN SWITCHBOARD AND LABEL BREAKER AS "SPARE". REMOVE ASSOCIATED SAFETY DISCONNECT AND CIRCUITRY FOR THE LINE CONDITIONER BACK TO THE TRANSFORMER SECONDARY DISCONNECT IN THE MAIN ELECTRICAL ROOM ON THE THIRD FLOOR.
5. DISCONNECT POWER FOR EXISTING PANEL X AT THE MAIN SWITCHBOARD LABEL AS BREAKER AS "SPARE". REMOVE PANEL AND REMOVE CIRCUITRY BACK TO THE METER IN THE MAIN ELECTRICAL ROOM ON THE THIRD FLOOR.
6. DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM EXISTING WATER SOURCE HEAT PUMP (208V/1PH, 4.8 FLA). SAFELY TERMINATE CIRCUITRY ABOVE THE FIFTH FLOOR CEILING WITHIN BLDG 611 FOR REUSE. RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
7. FIRE ALARM DEVICES IN THE STAIRWELL ARE CURRENTLY FED FROM THE BLDG 601 FIRE ALARM SYSTEM AND SHALL BE PREPARED FOR RECONNECTION TO THE BLDG 611 FIRE ALARM SYSTEM, UNLESS OTHERWISE NOTED. . DISCONNECT ALL FIRE ALARM DEVICES AND REMOVE CIRCUITRY BACK TO NEXT ACTIVE DEVICE IN BLDG 601.

GENERAL NOTES - NEW WORK

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO ELECTRICAL DETAIL SHEET FOR LIGHTING FIXTURE SCHEDULE AND ADDITIONAL INFORMATION.
3. COORDINATE ALL HVAC EQUIPMENT CONNECTION REQUIREMENTS WITH THE MANUFACTURER PRIOR TO ORDERING AND ROUGH-IN.

KEYED NOTES - NEW WORK

1. CONNECT NEW OR RELOCATED EMERGENCY LIGHTS & EXIT SIGNS TO EXISTING 277V EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA, LOCATED IN (E) EMERGENCY PANEL "E". PANEL DIRECTORY DOES NOT CHANGE UNDER THIS WORK. CIRCUIT SHALL NOT EXCEED 3500VA.
2. EXISTING TO REMAIN CONCRETE ENCASED 16-WAY DUCTBANK BENEATH MRI BUILDING AND STAIRWELL.
3. SPLICE AND EXTEND EXISTING WATER SOURCE HEAT PUMP CIRCUITRY TO NEW WATER SOURCE HEAT PUMP (208V/1PH, 4.1 FLA). PROVIDE NEMA RECEPTACLE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ELECTRICAL ACCESSORIES FURNISHED WITH UNIT INSIDE THE UNIT CABINET. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

MARK	DATE	REVISIONS	BY	DES
1	5.15.2020	CD Revisions	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
DRAWN	GTH
CHECKED	GTH

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703-978-0100 www.gpinet.com
Project #: 2019322.00

PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FOURTH FLOOR DEMOLITION & NEW WORK - ELECTRICAL

SHEET
1-E-102

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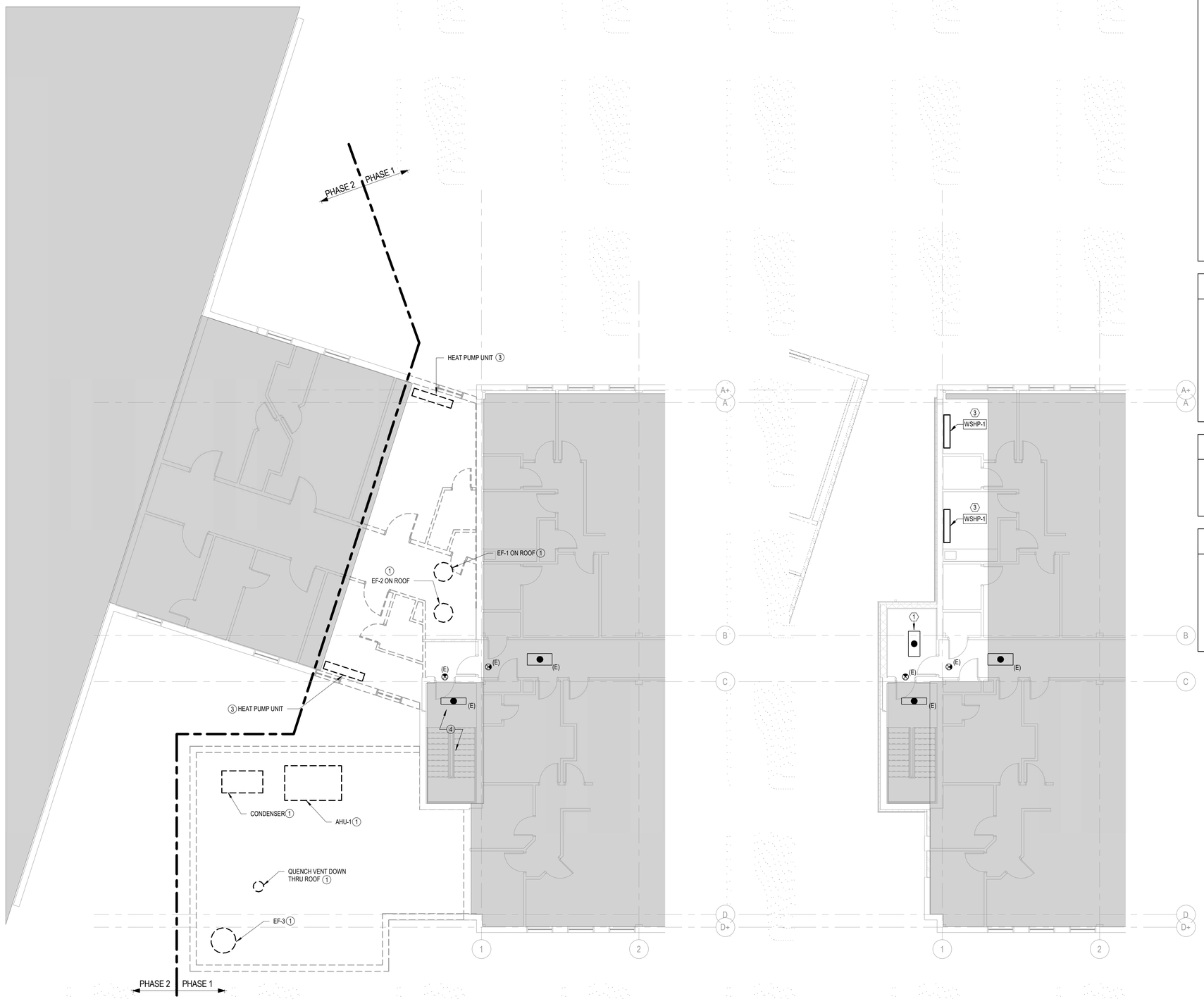
1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"



1 **FIFTH FLOOR - DEMOLITION - ELECTRICAL**
1-E-103 SCALE: 1/8" = 1'-0"

2 **FIFTH FLOOR - NEW WORK - ELECTRICAL**
1-E-103 SCALE: 1/8" = 1'-0"

GENERAL NOTES - DEMOLITION

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO FIRE ALARM NEW WORK PLAN FOR FIRE ALARM SYMBOLS.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS FOR ALL RELOCATED/DEMOLISHED EQUIPMENT.
3. PROVIDE COMPLETE ELECTRICAL DEMOLITION IN THE AREA OF WORK UNLESS OTHERWISE NOTED SO AS TO ELECTRICALLY ISOLATE EXISTING TO REMAIN BUILDING PORTIONS.
4. PROTECT EXISTING EMERGENCY LIGHTS, EXIT SIGNS AND FIRE ALARM DEVICES EXCEPT WHERE DEMOLITION IS NEEDED.
5. DEMOLITION WORK INDICATED IS DIAGRAMMATIC AND NOT SHOWN INCLUSIVELY. DEMOLITION DRAWING IS INTENDED TO DEMONSTRATE MAJOR ITEMS ONLY. CONTRACTOR IS REQUIRED TO PERFORM SELECTIVE DEMOLITION AS NEEDED TO ACCOMPLISH THE PROJECT INTENT. IF DEMOLITION WORK IS UNCLEAR FOR ANY ITEM, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR RESOLUTION BEFORE PROCEEDING.
6. REMOVE ALL ABANDONED WIRING BACK TO THE PANEL/SOURCE AS APPLICABLE.
7. COORDINATE WITH OWNERS/BUILDING ENGINEERS PRIOR TO SCHEDULING ANY SHUTDOWN REQUIRED DURING CONSTRUCTION.
8. DISCONNECT AND REMOVE ALL (NOT SHOWN) LIGHTING FIXTURES AND ASSOCIATED CONTROLS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE WIRING FROM FIXTURE/DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING FIXTURES/DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
9. DISCONNECT AND REMOVE ALL (NOT SHOWN) EMERGENCY LIGHTING FIXTURES AND EXIT SIGNS IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE EMERGENCY LIGHTING CIRCUITRY ABOVE CEILING FOR REUSE. RESTORE CONNECTION TO EXISTING EMERGENCY FIXTURES AND EXIT SIGNS FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
10. DISCONNECT AND REMOVE ALL (NOT SHOWN) FIRE ALARM DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED. SAFELY TERMINATE FA CIRCUITRY ABOVE CEILING FOR REUSE. COORDINATE REMOVAL OF FIRE ALARM WIRING WITH BUILDING ENGINEER BEFORE PROCEEDING WITH DEMOLITION.
11. DISCONNECT AND REMOVE ALL (NOT SHOWN) RECEPTACLES, POKE-THRU DEVICES, SYSTEMS FURNITURE POWER/DATA FEEDS, AND CABLE TRAY SYSTEMS IN AREA OF WORK UNLESS OTHERWISE NOTED. REMOVE CIRCUITRY FROM DEVICE LOCATION BACK TO NEXT ACTIVE OUTLET (OR BACK TO SOURCE PANELBOARD IF CIRCUIT IS NO LONGER ACTIVE. AT PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION AND LABEL AS "SPARE".) RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
12. DISCONNECT AND REMOVE ALL (NOT SHOWN) TELEPHONE/DATA OUTLETS AND SECURITY DEVICES IN AREA OF WORK UNLESS OTHERWISE NOTED.

KEYED NOTES - DEMOLITION

1. REMOVAL: DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM MECHANICAL AND PLUMBING EQUIPMENT AS SHOWN ON PLAN, UNLESS OTHERWISE NOTED. REMOVE EXISTING WIRING FROM UNIT LOCATIONS BACK TO SOURCE PANELBOARD, TURN CIRCUIT BREAKER(S) TO THE OFF POSITION, AND LABEL BREAKER(S) AS "SPARE". RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
2. NOT USED.
3. DISCONNECT POWER AND REMOVE ASSOCIATED SAFETY DISCONNECT FROM EXISTING WATER SOURCE HEAT PUMP (208V/1PH, 4.8 FLA). SAFELY TERMINATE CIRCUITRY ABOVE THE FIFTH FLOOR CEILING WITHIN BLDG 611 FOR REUSE. RESTORE CONNECTION TO EXISTING DEVICES FOR OPERATION AS BEFORE IF INTERRUPTED BY DEMOLITION.
4. FIRE ALARM DEVICES IN THE STAIRWELL ARE CURRENTLY FED FROM THE BLDG 601 FIRE ALARM SYSTEM AND SHALL BE PREPARED FOR RECONNECTION TO THE BLDG 611 FIRE ALARM SYSTEM, UNLESS OTHERWISE NOTED. . DISCONNECT ALL FIRE ALARM DEVICES AND REMOVE CIRCUITRY BACK TO NEXT ACTIVE DEVICE IN BLDG 601.

GENERAL NOTES - NEW WORK

1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. REFER TO ELECTRICAL DETAIL SHEET FOR LIGHTING FIXTURE AND OCCUPANCY SENSOR SCHEDULES AND ADDITIONAL INFORMATION.
3. COORDINATE ALL HVAC EQUIPMENT CONNECTION REQUIREMENTS WITH THE MANUFACTURER PRIOR TO ORDERING AND ROUGH-IN.

KEYED NOTES - NEW WORK

1. CONNECT NEW OR RELOCATED EMERGENCY LIGHTS & EXIT SIGNS TO EXISTING 277V EMERGENCY LIGHTING CIRCUIT PREVIOUSLY FEEDING THIS AREA, LOCATED IN (E) EMERGENCY PANEL "E". PANEL DIRECTORY DOES NOT CHANGE UNDER THIS WORK. CIRCUIT SHALL NOT EXCEED 3500VA.
2. NOT USED.
3. SPLICE AND EXTEND EXISTING WATER SOURCE HEAT PUMP CIRCUITRY TO NEW WATER SOURCE HEAT PUMP (208V/1PH, 4.1 FLA). PROVIDE NEMA RECEPTACLE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE ELECTRICAL ACCESSORIES FURNISHED WITH UNIT INSIDE THE UNIT CABINET. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR AND THE MANUFACTURER'S INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

MARK	DATE	REVISIONS	BY	DES
1	5.15.2020	CD Revisions	GTH	

DATE	06.18.2021
PROJECT	13356.28
DESIGNED	GTH
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CHECKED	GTH

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PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,
DRAWING FIFTH FLOOR DEMOLITION & NEW WORK - ELECTRICAL

SHEET
1-E-103

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1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

GENERAL NOTES - FIRE ALARM

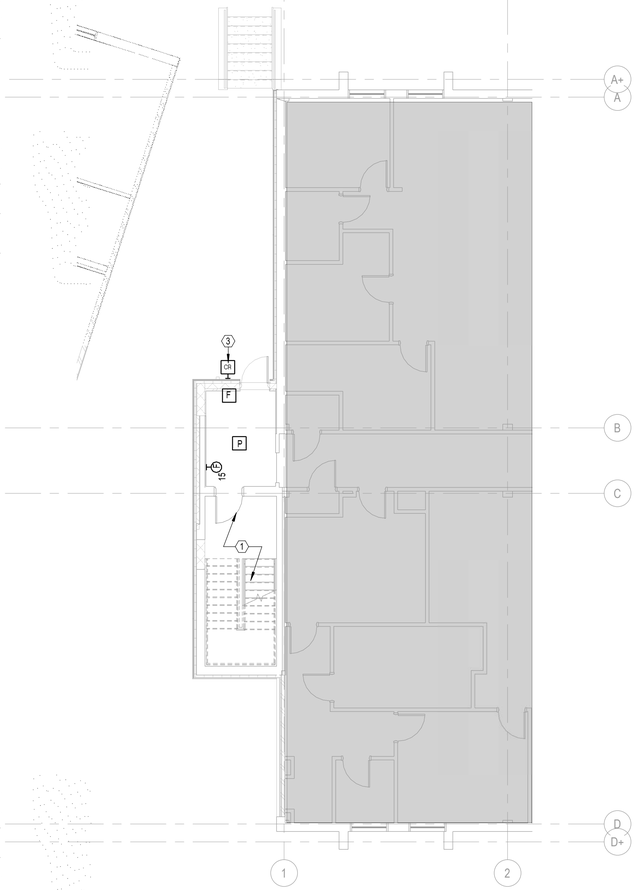
1. REFER TO ELECTRICAL COVER SHEET FOR SPECIFICATIONS, GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIRE ALARM WORK INCLUDING BUT NOT LIMITED TO: ADDITION OF STROBES, AUDIBLE DEVICES, CIRCUITRY EXTENSION, AND SYSTEM PROGRAM MODIFICATIONS. FURNISH AND INSTALL ALL NECESSARY CONTROL EQUIPMENT INCLUDING EXTENDER PANEL, INITIATING DEVICES AND NOTIFICATION APPLIANCES REQUIRED FOR THE EXPANSION OF THE EXISTING FIRE ALARM SYSTEMS DETAILED ON THE CONTRACT DRAWINGS AND AS SPECIFIED HEREIN. THE EQUIPMENT FURNISHED SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT. THE CONTRACTOR SHALL SURVEY THE EXISTING CONTROL PANEL TO DETERMINE ANY NECESSARY MODIFICATIONS AND/OR ADDITIONS NECESSARY TO INCORPORATE THE DEVICES ADDED UNDER THIS CONTRACT. PROVIDE SYNCHRONIZING OF STROBES FOR ALL EXISTING, NEW & RELOCATED DEVICES WITHIN THE AREA OF WORK. SYNCHRONIZATION OF STROBES SHALL BE PER NFPA72 REQUIREMENTS. IN THE EVENT OF A BUILDING EVACUATION ALARM, PROVIDE CONTROL WIRING FROM THE BUILDING FACP TO ALL SECURED DOORS IN THE PATH OF EGRESS TO RELEASE THE LOCK. COORDINATE WORK WITH THE SECURITY CONTRACTOR. PROVIDE REQUIRED DRY CONTACTS IN BUILDING FACP. SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE LOCAL AUTHORITY AND SHALL INCLUDE, BUT NOT LIMITED TO EQUIPMENT CUT SHEET, SEQUENCE OF OPERATION, BATTERY CALCULATIONS, CIRCUIT CAPACITY CALCULATIONS, WIRING DIAGRAMS, RISER DIAGRAMS AND FLOOR PLANS.
3. PROVIDE ALL VISUAL AND AUDIBLE DEVICES (SPEAKER OR HORNS) IN WHITE COLOR W/ RED LETTERING UNLESS OTHERWISE NOTED. INSTALL ALL CEILING MOUNTED FIRE ALARM DEVICES IN THE CENTER OF CEILING TILE.
4. PROTECT EXISTING BUILDING SMOKE/FIRE DETECTION SYSTEM AS REQUIRED TO PREVENT FALSE ALARMS DUE TO CONSTRUCTIONS.
5. ALL FIRE ALARM EQUIPMENT SHALL BE REMAIN OPERATIONAL AND IN PLACE AS THE BUILD OUT OCCURS.
6. IF THE CONSTRUCTION REQUIRES INTERRUPTION OF THE BUILDING FIRE ALARM, OBTAIN WRITTEN 7-DAY NOTICE FROM THE BUILDING OWNER PRIOR TO THE INTERRUPTION. FOLLOW ALL RULES AND REGULATIONS PROVIDED BY THE BUILDING OWNER AND ALL CODE REQUIREMENTS FOR A FIRE ALARM INTERRUPTION.
7. FINAL CONNECTION TO BUILDING FIRE ALARM SYSTEM SHALL BE PERFORMED BY BASE BUILDING FIRE ALARM CONTRACTOR BUT SHALL BE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
8. THE SYSTEM SHALL COMPLY WITH NFPA 72.

KEYED NOTES - FIRE ALARM

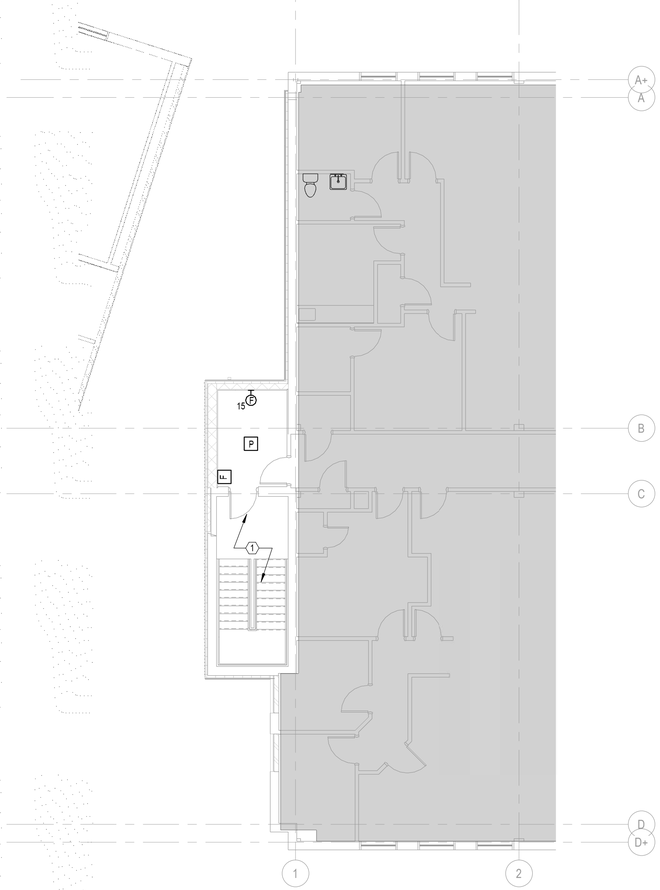
1. RECONNECT EXISTING FIRE ALARM DEVICES IN STAIRWELL TO BLDG 611 FIRE ALARM SYSTEM. VERIFY OPERATIONAL STATUS OF DEVICES AND REPLACE DEFECTIVE DEVICES. PROVIDE UPDATED GRAPHIC ANNUNCIATOR PANEL AS REQUIRED.
2. NOT USED.
3. CARD READERS/MAG LOCKS: PROVIDE CONTROL WIRING FROM SECURITY SYSTEM TO CONNECT TO BASE BUILDING FIRE ALARM SYSTEM FOR RELEASE OF DOORS UPON SIGNAL FROM BASE BUILDING FIRE ALARM SYSTEM.

FIRE ALARM SYMBOLS

DESIGNATION	DESCRIPTION	MTG HGT TO AFF CENTERLINE (UON)
15 F	FIRE ALARM VISUAL ALARM SIGNAL MOUNTED AT LOWER OF 80" OR 6" BELOW CEILING - NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 C	FIRE ALARM COMBINATION AUDIBLE/VISUAL ALARM SIGNAL. MOUNTED AT LOWER OF 80" OR 6" BELOW CEILING. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 F	CEILING FIRE ALARM VISUAL ALARM SIGNAL. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
15 C	CEILING FIRE ALARM COMBINATION AUDIBLE/VISUAL ALARM SIGNAL. NUMBER ADJACENT TO SYMBOL DENOTES MINIMUM REQUIRED LIGHT OUTPUT, CANDELA	
F	FIRE ALARM MANUAL STATION	4'-0"
#	DENOTES PLAN SPECIFIC KEYED NOTE	
(E)	EXISTING TO REMAIN - CONTINUE IN SERVICE	
(R)	EXISTING TO BE REMOVED AND RELOCATED	
(RE)	RELOCATED EQUIPMENT	
P	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR - SUBSCRIPT D DENOTES DUCT DETECTOR	-



1 1-E-104 **FOURTH FLOOR - NEW WORK - FIRE ALARM**
SCALE: 1/8" = 1'-0"



2 1-E-104 **FIFTH FLOOR - NEW WORK - FIRE ALARM**
SCALE: 1/8" = 1'-0"

1	5.15.2020
MARK	DATE
REVISIONS	
GTH	BY
CD Revisions	DES

DATE	06.18.2021
PROJECT	13356.28
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CHECKED	GTH

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PROJECT VIRGINIA HOSPITAL CENTER DEMOLITION - PHASE 1
ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING FOURTH & FIFTH FLOOR NEW WORK - FIRE ALARM

SHEET
1-E-104

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1/32" = 1'-0" 0' 16' 32' 48' | 1/16" = 1'-0" 0' 4' 8' 16' 24' | 3/32 = 1'-0" 0' 4' 8' 16' | 1/8" = 1'-0" 0' 4' 8' 12' | 1/4" = 1'-0" 0' 2' 4' 6' | 3/8" = 1'-0" 0' 1' 2' 3' 4' | 1/2" = 1'-0" 0' 6" 1' 2' 3' | 3/4" = 1'-0" 0' 6" 1' 2' | 1" = 1'-0" 0' 3" 6" 9" 1' 1.5' | 1 1/2" = 1'-0" 0' 3" 6" 9" 1' | 3" = 1'-0" 0' 1" 2" 3" 4" 5" 6" | 6" = 1'-0" 0' 1" 2" 3"

LIGHTING FIXTURE SCHEDULE

FIXTURE ID	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMP		VOLTS	MOUNTING	DIMMING (YES OR NO)	KEYED NOTES
				QUANTITY	TYPE				
A	2'X4' VOLUMETRIC LED TROFFER	ELITE	24-OVHP-LED-4000L-DIM10-MVOLT-35K-85	-	LED-41W	120/277	RECESSED	NO	
B	EXTERIOR LED WALLPACK	LITHONIA	LIL LED 30K MVOLT PE BB DDBTXD	-	LED-8.4W	120/277	SURFACE	NO	2
X	EXIT SIGN	LITHONIA	LRP-X-X-RC-X-120/277	-	LED (INCLUDED)	120/277	RECESSED	NO	1

GENERAL NOTES

1. COORDINATE MOUNTING HEIGHT (PENDANT/SUSPENDED/WALL LUMINARIES) & LENGTH (LINEAR FLUORESCENT/LED LUMINARIES) WITH ARCHITECT.
2. PROVIDE LAMP(S) AT 80 CRI OR BETTER. REFER TO ARCHITECTURAL DRAWINGS FOR FINAL LAMP COLOR TEMPERATURE.

KEYED NOTES:

1. PROVIDE QUANTITY OF FACES, DIRECTIONAL ARROWS, AND MOUNTING AS SHOWN ON DRAWINGS. MATCH BUILDING STANDARD AS REQUIRED.
2. PROVIDE INTEGRAL PHOTOCELL AND CONDUIT BACKBOX.

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DATE	06.18.2021
PROJECT	13356.28
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ARLINGTON, VA
601 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204
611 S CARLIN SPRINGS ROAD, ARLINGTON, VA 22204,

DRAWING DETAILS & SCHEDULES

SHEET
1-E-701

1/32" = 1'-0" | 1/16" = 1'-0" | 3/32" = 1'-0" | 1/8" = 1'-0" | 1/4" = 1'-0" | 3/8" = 1'-0" | 1/2" = 1'-0" | 3/4" = 1'-0" | 1" = 1'-0" | 1 1/2" = 1'-0" | 3" = 1'-0" | 6" = 1'-0"

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