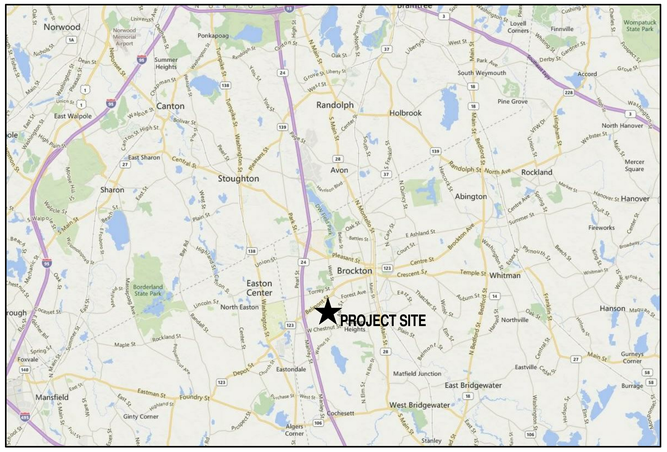
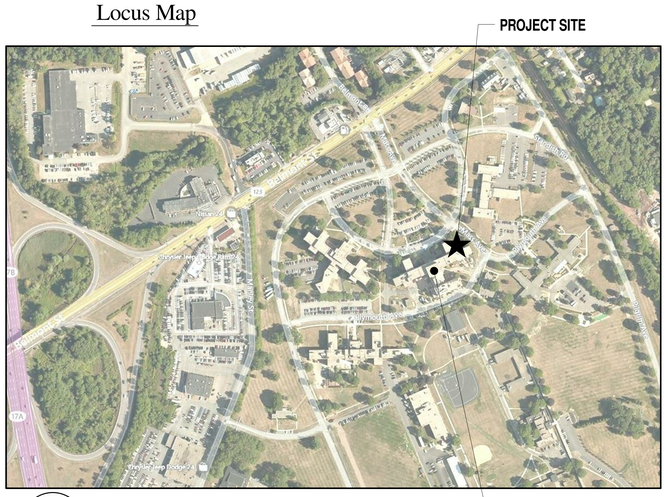


Locus Map



Campus Map

List of Alternates

1. **DEDUCT ALTERNATE NO. 1: DELETE** ballast, protection mat and lap seam strips on new roofs. **DELETE** black EPDM roof membrane, **REPLACE** with white EPDM roof membrane. **DELETE** 2'-0"x2'-0" cast concrete pavers, **REPLACE** with 2'-6"x2'-6" self-adhesive, solid rubber white walkway pads.
2. **DEDUCT ALTERNATE NO. 2: DELETE** blast-resistant enclosure at emergency generator, **REPLACE** with weatherproof sound attenuating enclosure as shown by drawings and as specified.
3. **DEDUCT ALTERNATE NO. 3: DELETE** all of the second floor interior construction of the new addition; construct the shell of the addition as a complete, weathertight enclosure including structural system, insulated precast concrete exterior walls not including interior studs, insulation in the stud cavities or gypsum board; concrete floor slab on metal deck; windows and glazed aluminum framing systems complete with glazing; floor, wall, ceiling and roof expansion joints between existing construction and addition; and complete roof system; all as shown by drawings and as specified. As part of this Alternate include closing of openings in existing exterior wall between existing building and new addition, and install doors, frame and hardware at opening CRB203A as shown by drawings and as specified. As part of this alternate extend plumbing system to juncture between existing construction and new addition and cap. As part of this Alternate install distribution panels and power to panels for electrical power and lighting at second floor. As part of this Alternate install air handling unit serving second floor, and supply and return ductwork only to point of entry to conditioned area.
4. **DEDUCT ALTERNATE NO. 4: DELETE** all of the second floor construction of the new addition, and construct the new MRI/CT Radiology Addition to Building No. 3 as a complete one-story addition as shown by drawings and as specified with no provision for future second floor expansion.

DEPARTMENT OF VETERANS AFFAIRS
VAMC BROCKTON

940 BELMONT STREET
BROCKTON, MA 02301

BUILDING 3
MRI/CT Radiology Addition
Boston Healthcare System - Brockton Campus
PROJECT #523-398

Architect
MOSER PILON NELSON Architects, LLC
30 Jordan Lane
Wethersfield, CT. 06109
860.563.6164

Civil Engineer and Hazardous Materials Consultant
FUSS & O'NEILL, Inc.
317 Iron Horse Way, Suite 104
Providence, RI. 02908
401.861.3070

Interior Design Consultant
SLI Design
33 Bull Hill Road
Marlborough, CT. 06447
860.467.6442

Structural Engineer
GIRARD and COMPANY, LLP
10 Waterchase Drive
Rocky Hill, CT. 06067
860.563.3820

M/E/P Engineers
R.W. SULLIVAN Engineering
529 Main Street, Suite 203
Boston, MA. 02129
617.523.8227

Cost Estimator
TARBELL CONSTRUCTION MANAGEMENT, Inc.
8 Spalding Road
Stoneham, MA. 02180
781.435.0032

Blast Design Consultant
JAMES LANDAU PE PLLC
72 Snowberry Drive
South Portland, ME. 04106
508.988.5089

100% CONSTRUCTION DOCUMENT SUBMISSION
"FULLY SPRINKLERED"

Revisions:	Date:
1 - 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

REGISTERED ARCHITECT JAMES D. BEALL No. 30825 WETHERSFIELD CT COMMONWEALTH OF MASSACHUSETTS

ARCHITECT/ENGINEERS:
moser pilon nelson architects
50 - JORDAN - LANE
WETHERSFIELD, CT 06109
(860) 563-6164

Drawing Title: Cover Sheet

Approved: Project Director

Project Title: BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus

Location: 940 Belmont Street Brockton, MA 02301

Date: 02/12/2016 | Checked: JB | Drawn: SB

Project Number: 523-398

Building Number: 3

Drawing Number: G0.0

Dwg. 1 of 145

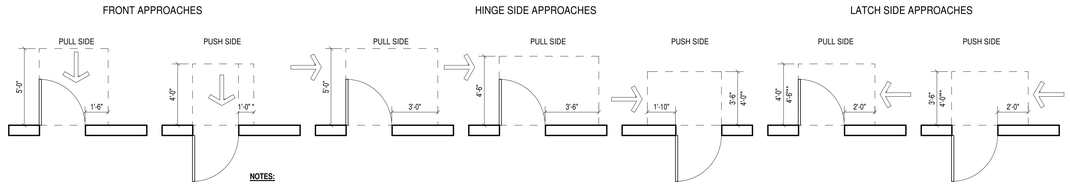
Office of Facilities Management

Department of Veterans Affairs

List of Abbreviations

A	AIR
A/C	AIR CONDITIONING
ABV	ABOVE
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
AT	ACOUSTIC CEILING TILE
AVB	AIR VAPOR BARRIER
AWP	ACOUSTIC WALL PANEL
B/S	BOTH SIDES
B/W	BOTH WAYS
BD	BOARD
BG	BUMPER GUARD
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BR	BRICK
BRG	BEARING
BRZ	BRONZE
BUR	BUILT-UP ROOFING
CAB	CABINET
CEM	CEMENT
CG	CORNER GUARD
CG-F	CORNER GUARD FIRE RATED
CHBD	CHALKBOARD
CI	CAST IRON
CJT	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPOSITE(ION)
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CPT	CARPET
CPTT	CARPET TILE
CR	CRASH RAIL
CRS	COURSE(S)
CT	CERAMIC TILE
CTR	COUNTER
CU	CUBICLE CURTAIN
CYD	CUBIC YARD
D	DRAIN
DEFS	DIRECT-APPLIED EXTERIOR FINISH SYSTEM
DET	DETAIL(ED)
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECT(OR)(ION)
DISP	DISPENSER
DN	DOWN
DR	DOOR
DUR	DURROCK
DWG(S)	DRAWING(S)
DWR	DRAWER
EA	EACH
ED	EDUCATION(AL)
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMERG	EMERGENCY
ENG	ENGINEER(ING)
EP	EPOXY
EQ	EQUAL
EQUIP	EQUIPMENT
ERD	EMERGENCY ROOF DRAIN
EWC	ELECTRICAL WATER COOLER
EXIST	EXISTING
EXP	EXPANSION
EXPD	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEC-R	FEC-RECESSED
FEC-SR	FEC-SEMI RECESSED
FIN	FINISH
FLG	FLASHING
FLR	FLOOR(ING)
FP	FIRE-PROOF(ING)
FR	FRAME
FRP	FIBER REINFORCED PANEL
FS	FULL SIZE
FT	FIRE-TREATED
FTG	FOOTING
FURR	FURR(ED)(ING)
FUT	FUTURE
FVC	FIRE EXTINGUISHER AND VALVE CABINET
FWC	FABRIC WALLCOVERING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GBH	GLOVE BOX HOLDER
GC	GENERAL CONTRACTOR
GF	GROUND FACE
GFRC	GLASS-FIBER REINFORCED CONCRETE
GL	GLASS, GLAZING
GWB	GYPSUM WALL BOARD
HC	HOLLOW CORE
HD	HAND DRYER
HDW	HARDWARE
HK	COAT/ROBE HOOK
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HIGH POINT
HPDL	HIGH DENSITY PLASTIC LAMINATE
HPL	PLASTIC/RESIN DECORATIVE PANEL
HR	HANDRAIL
HS	HAND SANITIZER
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
IB	INTEGRAL BASE
ID	INSIDE DIAMETER
INCL	INCLUDE(D)(ING)
INFO	INFORMATION
INSUL	INSULAT(ED)(ING)(ION)
INT	INTERIOR
JT(S)	JOINT(S)
L	LENGTH
LAM	LAMINATE(D)
LAV	LAVATORY
LCC	LEAD-COATED COPPER
LH	LEFT HAND
LP	LOW POINT
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
LVT	LUXURY VINYL TILE
MANUF	MANUFACTURE(D)(R)
MAS	MASONRY
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHAINCAL
MED	MEDIUM
MEMB	MEMBRANE
MFG	MANUFACTURING
MH	MECHANICAL HOOD
MHK	MOP HOOK
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLDNG	MOLDING, MOULDING
MO	MASONRY OPENING
MTL	METAL
MULL	MULLION
NAT	NATURAL
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
O2	OXYGEN
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PERF	PERFORATE(D)
PLAM	PLASTIC LAMINATE
PLUMB	PLUMB(ER)(ING)
PNT	PAINT(ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PSI	POUNDS PER SQAURE INCH
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVR	PAVER(S)
QT	QUARRY TILE
R	RISER
RAD	RADIAT(OR)(ION)
RB	RUBBER
RD	ROOF DRAIN
REF	REFER(ENCE)
REFR	REFRIGERATOR
REINF	REINFORC(ED)(ING)
REM	REMOVE
REQ'D	REQUIRED
RET	RETURN
REV	REVIS(ED)(ION)
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RT	RUBBER TILE
RWL	RAIN WATER LEADER
SC	SOLID CORE
SCH	SCHEDULE
SD	SOAP DISPENSER
SGT	STRUCTURAL GLAZED TILE
SH	SHARPS CONTAINER
SHT	SHEET
SIM	SIMILAR
SKL	SILKAL
SKLT	SKYLIGHT
SND	SANITARY NAPKIN DISPENSER
SNW	SANITARY NAPKIN WASTE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST-R	SOAP TRAY-RECESSED
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE(AL)
SUSP	SUSPEND(ED)
SV	SHEET VINYL
SYS	SYSTEM
T&G	TONGUE AND GROOVE
TB	TACK BOARD
TEL	TELEPHONE
TEMP	TEMPER(ED)(ATURE)
TERM	TERMINATE(D)(ION)
THK	THICK(NESS)
THR	THRESHOLD
TLT	TOILET
TO	TOP OF
TPD	TOILET PAPER DISPENSER
TRANS	TRANSPARENT
TUF	TUFFLEX
TYP	TYPICAL
TZ	TERRAZZO
UC	UNDERCOUNTER
UNO	UNLESS OTHERWISE NOTED
V	VACUUM
VB	VAPOR BARRIER
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VSF	VINYL SHEET FLOORING
VSF-H	VINYL SHEET FLOORING - HYBRID RESILIENT
VWC	VINYL WALL COVERING
W	WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WD	WOOD
WG	WIRE GLASS
WIN	WINDOW
WMF	WELDED WIRE FABRIC
WP	WALL PROTECTION
WP-H	WALL PROTECTION - HYGENIC SHEETS
WP-WD	DECORATIVE WALL PANEL
WR	WASTE RECEPTACLE
WS	WIRE SHELVING
WSF	VINYL SHEET FLOORING WITH WELDED SEAMS
WWM	WELDED WIRE MESH

Door Clearances

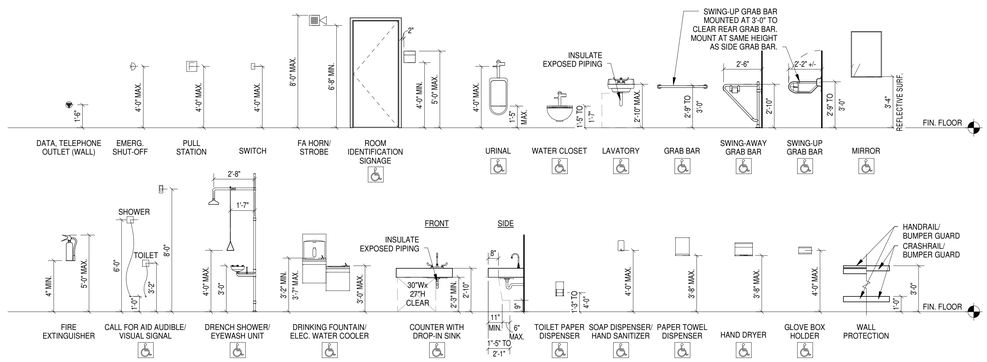


NOTES:

* IF BOTH LATCH AND CLOSER ARE PROVIDED

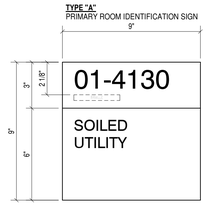
** IF CLOSER IS PROVIDED

Mounting Heights

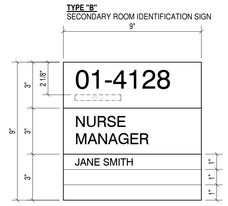


Signage

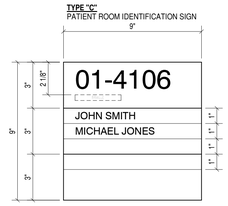
TYPE "A"
PRIMARY ROOM IDENTIFICATION SIGN



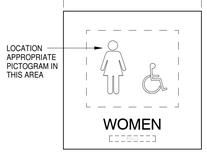
TYPE "B"
SECONDARY ROOM IDENTIFICATION SIGN



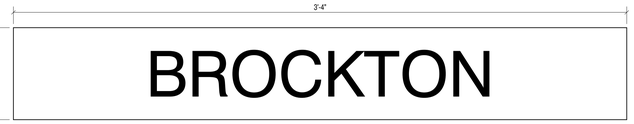
TYPE "C"
PATIENT ROOM IDENTIFICATION SIGN



TYPE "D"
PICTOGRAM & SYMBOL SIGNS



TYPE "E"
CEILING MOUNTED IDENTIFICATION SIGN



TYPE "F"
WALL MOUNTED WAYFINDING SIGN,
SIZE AND TYPE TO BE DETERMINED
BY OWNER.

TYPE "F1"
CEILING MOUNTED WAYFINDING SIGN,
SIZE AND TYPE TO BE DETERMINED
BY OWNER.

TYPE "G"
INFORMATION SIGN,
SIZE AND TYPE TO BE DETERMINED
BY OWNER.

Signage General Notes:

1. ALL ROOM AND TOILET IDENTIFICATION SIGNS TO BE LOCATED ON LATCH SIDE OF DOOR PER TYPICAL ROOM IDENTIFICATION MOUNTING DIAGRAM SHEET G0.1, UNLESS SPECIFICALLY CALLED OUT AND NOTED ON FLOOR PLAN SHEETS A1.1-A1.4 OR INTERIOR ELEVATIONS SHEETS A7.1-A7.4.
2. SIGNAGE SHOULD BE NON-GLARE ACRYLIC FRAME CONSTRUCTION. COLORS TO BE SELECTED BY OWNER. FONT TO BE RAISED WHITE LETTERS, HELVETICA BOLD FONT WITH GRADE II BRAILLE JUSTIFIED BELOW. SIGNAGE WILL BE TAPE AND SILICON MOUNTED TO WALL.
3. SIGNAGE TYPES ARE GENERAL IN NATURE. ALL SIGNAGE TO MEET VA SIGNAGE DESIGN GUIDE STANDARDS COMPLIED BY THE DEPARTMENT OF VETERANS AFFAIRS. INFORMATION CAN BE FOUND ON THE WEBSITE AT http://www.cfm.va.gov/til. SPECIFIC COLORS, STYLE, TEXT, AND LOCATIONS TO BE COORDINATED WITH OWNER.
4. FOR SIGNAGE LOCATIONS, TEXT, AND ADDITIONAL INFORMATION SEE SIGNAGE SCHEDULE IN SPECIFICATIONS.
5. COORDINATE WITH OWNER FOR FINAL ROOM NUMBER AND ROOM IDENTIFICATION DESIGNATIONS.
6. COORDINATION WITH THE OWNER FOR WAYFINDING SIGNAGE REQUIREMENTS.

List of Drawings

GENERAL
G0.0 Cover Sheet
G0.1 List of Drawings, Abbreviations, Door Clearances and Mounting Heights
G1.1 Level 1 Code/Egress Plan and Information
G1.2 Level 2 Code/Egress Plan

CIVIL
C1.0 Site/Civil General Notes & Legend
C1.1 Existing Conditions Plan
C1.2 Site Demolition Plan
C1.3 Site Layout Plan
C1.4 Site Grading & Utilities
L1.0 Landscape Plan
C3.0 Construction Details
G3.1 Construction Details

ABATEMENT
ASB1.0A Sub-Basement Asbestos Survey Plan
ASB1.0 Basement Asbestos Survey Plan
ASB1.1 Level 1 Asbestos Survey Plan
ASB1.2 Level 2 Asbestos Survey Plan
ASB1.3 Level 3 Asbestos Survey Plan

DEMOLITION
AD1.1 Level 1 and Partial Basement Removal Plan
AD1.2 Level 2 Removal Plan
AD1.2A DEDUCT ALTERNATE Level 2 Removal Plan
AD1.3 Level 3 Removal Plan

ARCHITECTURAL
A0.0 3D Views
A1.1 Level 1 Floor Plan, Partial Basement Plan and Wall Types
A1.2 Level 2 Floor Plan
A1.2A DEDUCT ALTERNATE Level 2/Roof Plan
A1.3 Level 3/Roof Plan
A2.1 Building Elevations and Sections
A2.1A DEDUCT ALTERNATE Building Elevations and Sections
A3.1 Wall Sections
A3.2 Sections and Details
A4.1 Enlarged Floor Plans - Level 1
A4.2 Enlarged Floor Plans - Level 2
A5.1 Door Schedule and Details
A6.1 Plan Details - Level 1
A6.2 Plan Details - Level 1
A6.3 Plan Details - Level 2
A6.4 Miscellaneous Details
A7.1 Interior Elevations
A7.2 Interior Elevations
A7.3 Interior Elevations
A8.1 Level 1 and Partial Basement Reflected Ceiling Plan
A8.2 Level 2 Reflected Ceiling Plan and Typical Ceiling Details
A9.1 Millwork Details

FINISHES
F1.0 Finish Schedule
F1.1 Level 1 Floor Pattern / Finish Plan
F1.2 Level 2 Floor Pattern / Finish Plan

FURNITURE and EQUIPMENT
FE1.1 Furniture and Equipment Floor Plans - Level 1
FE1.2 Furniture and Equipment Floor Plans - Level 2

STRUCTURAL
S1.0 Cover Sheet / Design Data
S1.1 Level 1 Foundation Plan
S1.2 Level 2 Floor Framing Plan
S1.3 Level 3 Roof and Penthouse Framing Plan
S2.0 Typical Foundation Details
S2.1 Foundation Details
S2.2 Foundation Details
S2.3 Foundation Details
S3.1 Framing Details
S3.2 Framing Details
S3.3 Framing Details
S4.0 Moment Frame Elevations and Typical Framing Details
S5.1 Column Schedule, Typical Details and Base Plate Details

FIRE PROTECTION
FP0.00 Fire Protection Legend, Schedule, Details & Notes
FP1.01 Level 1 Fire Protection Plan
FP1.02 Level 2 Fire Protection Plan
FP2.00 Fire Protection Riser Schematics

PLUMBING
P0.00 Plumbing Legend, Schedule, Details, Notes & Specifications
P1.00 Plumbing Underground Plan
P1.01 Level 1 Plumbing Plan
P1.02 Level 2 Plumbing Plan
P1.03 Roof Deck Level Plumbing Plan
P2.00 Plumbing Riser Schematics
P2.01 Plumbing Basement

HVAC
H0-01 HVAC Legend & General Notes
H0-02 HVAC Schedules
H0-03 HVAC Piping Schematic Diagram
H0-04 HVAC Details
H0-05 HVAC Details
H0-06 HVAC Details
H0-07 HVAC Details
H1.01 HVAC Level 1 Ductwork Plan
H1.02 HVAC Level 2 Ductwork Plan
H1.03 HVAC Roof Ductwork Plan
H1.03A HVAC Deduct Alternate Roof Ductwork Plan
H2.00 HVAC Basement Piping Plan
H2.01 HVAC Level 1 Piping Plan
H2.02 HVAC Level 2 Piping Plan
H2.03 HVAC Roof Piping Plan
H2.03A HVAC Deduct Alternate Roof Piping Plan
H3-00 HVAC Control Legend
H3-01 HVAC Control Diagrams and Sequences
H3-02 HVAC Control Diagrams and Sequences

List of Drawings

ELECTRICAL
E0.00 Electrical Legend and General Notes
E0.01 Electrical Site Plan and Details
E0.02 Electrical Site Details
E1.00 Electrical Lighting Level 1 Plan
E1.01 Electrical Lighting Level 2 Plan
E2.00 Electrical Power Level 1 Plan
E2.01 Electrical Power Level 2 Plan
E2.02 Electrical Power Roof Plan
E2.03 Electrical MRI Room Equipment Plan
E2.04 Electrical CT Scan Room Equipment Plan
E2.05 Electrical Mammography/X-Ray Equipment Plans
E3.00 Electrical Low Voltage/Signal Level 1 Plan
E3.01 Electrical Low Voltage/Signal Level 2 Plan
E4.00 Electrical Power Riser and Schedules
E4.01 Electrical Campus One-Line
E4.02 Electrical Low Voltage/Signal Risers
E5.00 Electrical Schedules
E5.01 Electrical Schedules
E6.00 Electrical Details
E6.01 Electrical Details

FIRE ALARM
FA0.00 Fire Alarm Legend, General Notes, Risers and Details
FA1.00 Fire Alarm Level 1 Plan
FA1.01 Fire Alarm Level 2 Plan
Grand total: 114

List of Vendor Drawings

CT SCAN - NOTE: THESE DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR INFORMATION CONTAINED IN THESE DRAWINGS. SITE SPECIFIC DRAWINGS WILL BE PROVIDED PRIOR TO CONSTRUCTION.

C1 Cover Sheet
GN General Notes
A1 Equipment Layout/Scatter Radiation Field
A2 Equipment Elevations
S1 Structural Layout and Details
S2 Anchoring/Bolt Force Details
E1 Electrical Layout/Electrical Schematic
E2 Electrical Details/Minimum Site Requirements
E3 Electrical Duct Details
E4 Electrical Riser Diagram (for internal use only)

MRI - NOTE: THESE DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR INFORMATION CONTAINED IN THESE DRAWINGS. SITE SPECIFIC DRAWINGS WILL BE PROVIDED PRIOR TO CONSTRUCTION.

G-000 Cover Sheet
A-101 Equipment Plan - Details, Legend and Notes
A-102 Safety/Service Clearance Plan
A-501 Filter Panel Cabinet Details
A-502 Details and Notes
S-101 Structural Plan - Details and Notes
E-101 Electrical Plan(s) - Legend and Notes
E-102 Electrical Plan - Legend and Notes
E-501 Electrical Diagram and Notes
M-101 Mechanical Plan - Chilled Water and Environmental
M-501 Quench Vent Specifications

RADIO FREQUENCY SHIELD
RF0.0 Cover
RF1.0 Foundation Plan
RF1.1 Ceiling Support Layout
RF1.2 Floor Plan
RF2.0 Elevations
RF2.1 Elevations
RF3.0 Details
RF3.1 Details
RF4.0 Autoseal 2 Door

RADIOLOGY - NOTE: THESE DRAWINGS ARE FOR REFERENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR INFORMATION CONTAINED IN THESE DRAWINGS. SITE SPECIFIC DRAWINGS WILL BE PROVIDED PRIOR TO CONSTRUCTION.

GE1.1 GE Discovery Radiology
Grand total: 31

100% CONSTRUCTION DOCUMENT SUBMISSION
"FULLY SPRINKLERED"

Revisions:	Date:
1 - 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

REGISTERED ARCHITECT JAMES D. BELL No. 30825 WETHERSFIELD CT COMMONWEALTH OF MASSACHUSETTS

ARCHITECT/ENGINEERS:

moser pilon nelson architects
50 JORDAN LANE
WETHERSFIELD, CT 06109
(860) 563-6164

Drawing Title: **List of Drawings, Abbreviations, Door Clearances and Mounting Heights**

Approved: Project Director

Project Title: **BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus**

Location: **940 Belmont Street Brockton, MA 02301**

Date	Checked	Drawn
02/12/2016	JB	SB

Project Number: **523-398**

Building Number: **3**

Drawing Number: **G0.1**

Dwg. 2 of 145

Office of Facilities Management

Department of Veterans Affairs

CODE Information

NEW BUILDING ADDITION

1. GROUP CLASSIFICATION (Chapter 3)

	(IBC)	(NFPA)
(Primary)	B	Business
(Incidental)		

2. CONSTRUCTION TYPE (Chapter 6)

Minimum Type Required	IV	IV (2HH)
Actual Type Provided (existing)	II/A	II (111)
(new)	II/A	II (111)

3. BUILDING HEIGHT (Chapter 5)

Allowable Height (stories/feet)	6/85'
Actual Height (stories/feet)	6/78'
Stories Above Grade	6

4. BUILDING AREA (Chapter 5)

(Level 1)		
Existing Construction	36,809	sf.
New Construction	4,895	sf.
Total Floor Area (Level 1)	41,704	sf.
(Level 2)		
Existing Construction	36,809	sf.
New Construction	4,895	sf.
Total Floor Area (Level 2)	41,704	sf.

5. AREA MODIFICATIONS TO TABLE 503

	N	E	S	W
Total Perimeter =	423 ft.	248 ft.	423 ft.	248 ft.
Open Perimeter =	423 ft.	248 ft.	423 ft.	248 ft.

Total Frontage (F) = 1,342 ft. Total Perimeter (P) = 1,342 ft.

Width of Open Space (W) = 30 ft.

If = [F/P - 0.25] W/30
Frontage Increase (If) = .75

Sprinkler Increase (Is) = 2

% of Allowable Tabular Area (At) (Table 503)		100%
% Frontage Increase (If) (506.2)	+	75%
% Sprinkler Increase (Is) (506.3)	+	200%
Total percentage factor	=	375%
Conversion Factor (Total percentage factor / 100)	=	3.75

6. ALLOWABLE AREA (Chapter 5)

Tabular Area (At)	37,500	sf.
Aa = [At + [[At x If)] + [[At x Is]]]		
Allowable Area (Aa)	140,625	sf.
Actual Building Area (Largest Floor)	41,704	sf.

Case 1: Single Occupancy or Non-Separated Uses

a) Adjusted Building Area
41,704 (actual building area) x 3.75 (conversion factor) = 11,121
b) Allowable Area per floor (Aa)
3.75 (conversion factor) x 37,500 (tabular area, Table 503) = 140,625
c) Actual Building Area
(Level 1) 41,704
(Level 2) 41,704
d) Total Actual Building Area (Entire Building) 201,647
e) Total Allowable Building Area (Entire Building)
140,625 (allowable area (Aa)) x 6 (no. of stories) = 843,750

Case 2: Mixed Occupancy Separated Uses (302.3.2) (Allowable Area 506.4) N/A

7. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (Table 601 and 602)

1. Primary Structural Frame	1	hr(s)
2. Bearing Walls		
(Exterior)	1	hr(s)
(Interior)	1	hr(s)
3. Nonbearing Walls and Partitions		
(Exterior) <5	1	hr(s)
≥5< to 10	1	hr(s)
≥10< to 30	1	hr(s)
≥30	0	hr(s)
4. Nonbearing Walls and Partitions (Interior)	0	hr(s)
5. Floor Construction and Secondary Members	1	hr(s)
6. Roof Construction and Secondary Members	1	hr(s)

8. MEANS OF EGRESS (Chapter 10)

Egress Width per Occupant (Section 1005.1)		
(Stairways)	.3	in./occ.
(Other Egress Components)	.2	in./occ.
Design Total for Each Floor (Level 1)	427	occ.
(Level 2)	430	occ.
Design Total (Entire Building)	857	occ.
Total Exit Capacity for Each Floor (Level 1)	2,160	occ.
(Level 2)	1,155	occ.
Total Exit Capacity (Entire Building)	3,315	occ.
Maximum Allowable Travel Distance	300	ft.
Maximum Allowable Common Path of Travel	100	ft.
Maximum Allowable Dead End Corridor	50	ft.

9. MODIFICATIONS

Modification Number	N/A
(Approved)	
(Not Approved)	

10. ACCESSIBLE BUILDING

Designated	X
Non-Designated	

11. MINIMUM PLUMBING FIXTURE COUNT (Plumbing Code Chapter 4)

Design Occupancy Load **(Addition only)** 121

	Required	Provided
W/C Male	3	3 (3 Total)
(Urinals)	(67% MAX.)	(0)
W/C Female	3	3
Lavs Male	2	3
Lavs Female	2	3
Bathtubs/Showers Male	-	0
Bathtubs/Showers Female	-	0
Drinking Fountains	2	2*
Service Sinks	1 per floor	1 per floor

* EXISTING FIXTURES

12. ENTIRE BUILDING SPRINKLERED

Yes	X
No	

13. THRESHOLD BUILDING CONDITIONS

Yes	
No	X

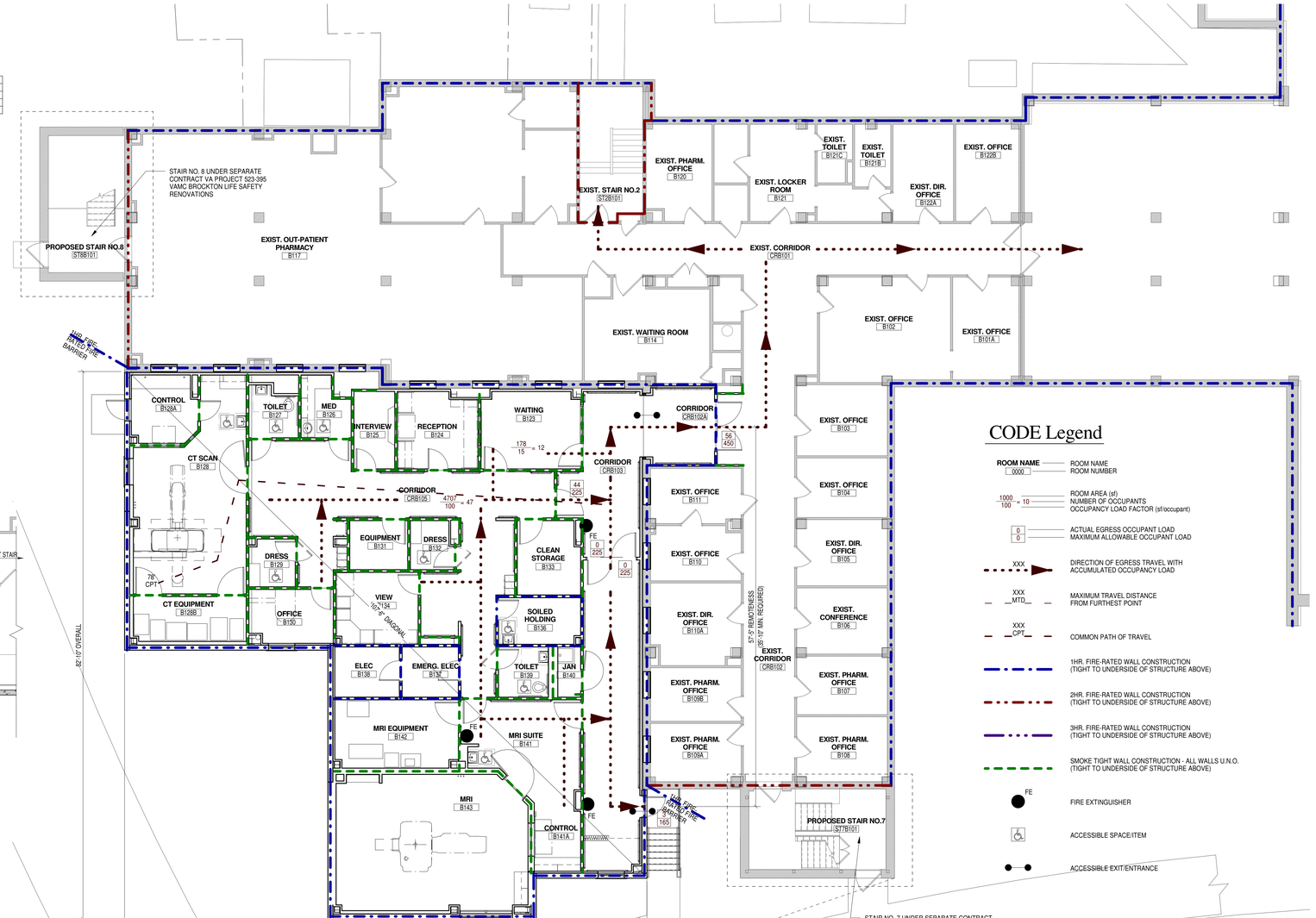
14. CODES TO WHICH THIS PROJECT WAS DESIGNED

IBC 2009, 780 CMR 8th Edition 2009
2009 NFPA 101
2009 NFPA 1
OSHA REGULATIONS (STANDARDS-29 CFR)
ADA/ABA 2010, ABAAS 2006 VA SUPPLEMENT 2011
IPC 2009, 248 CMR
IECC 2009

ENERGY CODE Information

ADVANCED ENERGY DESIGN GUIDE for SMALL HOSPITALS and HEALTHCARE FACILITIES
CLIMATE ZONE: 5

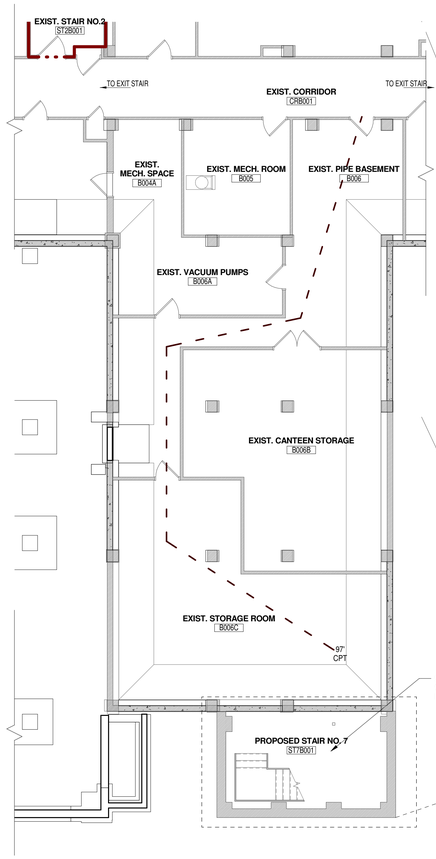
	Required	Provided
Roof - Insulation Entirely Above Deck	R-30cl	R-30
Walls - Mass	R-13.3ci	R-20
Slab on Grade - Unheated	R-15 for 24in.	R-15
Doors - Opaque Swinging	U-0.50	U-0.09
Fenestration	U-0.29	U-0.29



CODE Level 1 Floor Plan

1 / G1.1 — 1/8" = 1'-0"

PROJECT NORTH



CODE Basement

2 / G1.1 — 1/8" = 1'-0"

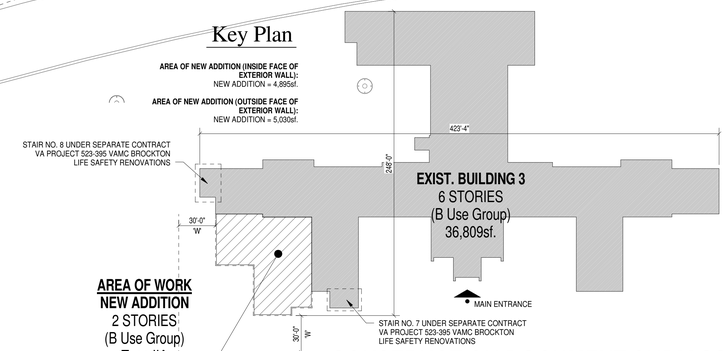
CODE Legend

ROOM NAME / 0000	ROOM NAME / ROOM NUMBER
1000 / 100 = 10	ROOM AREA (sf) / NUMBER OF OCCUPANTS / OCCUPANCY LOAD FACTOR (sf/occupant)
0	ACTUAL EGRESS OCCUPANT LOAD
0	MAXIMUM ALLOWABLE OCCUPANT LOAD
XXX	DIRECTION OF EGRESS TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
XXX MTD	MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT
XXX CPT	COMMON PATH OF TRAVEL
	1HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
	2HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
	3HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
	SMOKE TIGHT WALL CONSTRUCTION - ALL WALLS U.N.O. (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
FE	FIRE EXTINGUISHER
	ACCESSIBLE SPACE/ITEM
	ACCESSIBLE EXIT/ENTRANCE

Key Plan

AREA OF NEW ADDITION (INSIDE FACE OF EXTERIOR WALL):
NEW ADDITION = 4,895sf.

AREA OF NEW ADDITION (OUTSIDE FACE OF EXTERIOR WALL):
NEW ADDITION = 5,030sf.



AREA OF WORK
NEW ADDITION
2 STORIES
(B Use Group)
Type IIA
4,895 DGSF
5,030 GSF

100% CONSTRUCTION DOCUMENT SUBMISSION
"FULLY SPRINKLERED"

Revisions:	Date:
1 - 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

REGISTERED ARCHITECT JAMES D. BELL No. 30825 WETHERSFIELD CT COMMONWEALTH OF MASSACHUSETTS

ARCHITECT/ENGINEERS:

moser pilon nelson architects
30 JORDAN LANE
WETHERSFIELD, CT 06109
(860) 563-6164

Drawing Title: Level 1 Code/Egress Plan and Information

Approved: Project Director

Project Title: BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus

Location: 940 Belmont Street Brockton, MA 02301

Date: 02/12/2016 | Checked: JB | Drawn: SB

Project Number: 523-398

Building Number: 3

Drawing Number: G1.1

Dwg. 3 of 145

Office of Facilities Management

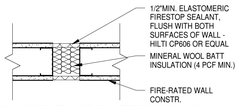
Department of Veterans Affairs

Typ. Fire Safing Details

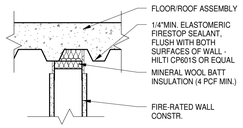
N.T.S.

GENERAL NOTES:

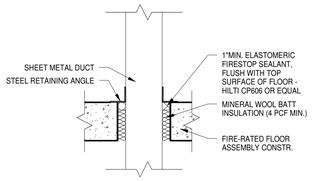
1. SEE FLOOR PLANS AND CODE PLANS FOR LOCATIONS OF FIRE-RATED PARTITIONS AND SMOKE-TIGHT CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL TYPES OF OPENINGS AND PENETRATIONS IN ALL FIRE-RATED FLOORS, PARTITIONS AND SMOKE-TIGHT WALLS USING AN APPROVED ASSEMBLY.
3. FIRE BARRIERS TO MEET REQUIREMENTS OF DETAIL 'D'. SMOKE BARRIERS TO MEET THE REQUIREMENTS OF DETAIL 'E'.



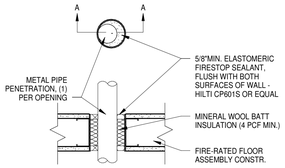
A JOINT AT RATED WALL
U.L. #WW-D-0067 (1HR. RATED)



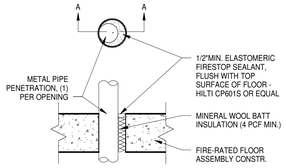
D TOP OF RATED WALL
U.L. #HW-D-0046 (1HR. RATED)



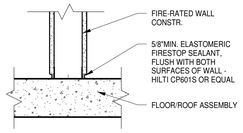
B DUCT PENETRATION
U.L. #C-AJ-7051 (3HR. RATED)



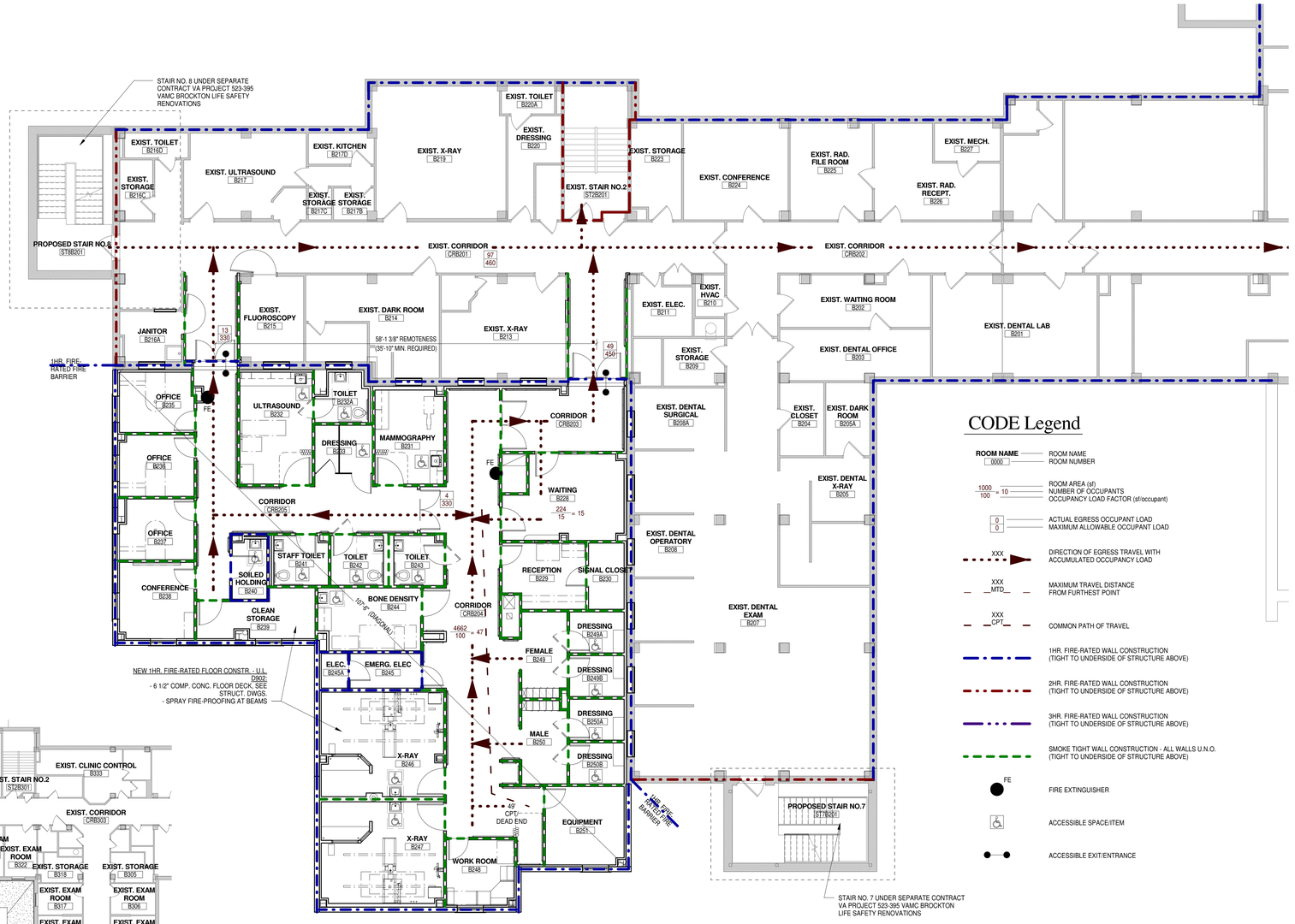
E PIPE PENETRATION AT WALL
U.L. #W-L-1170 (1HR. RATED)



C PIPE PENETRATION AT FLOOR
U.L. #C-AJ-1149 (2HR. RATED)

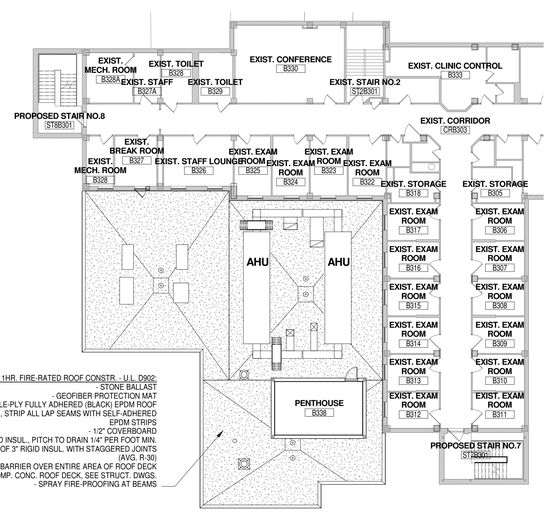


F BOTTOM OF RATED WALL
U.L. #BW-S-0001 (1HR. RATED)



1 G1.2 CODE Level 2 Floor Plan
1/8" = 1'-0"

PROJECT NORTH

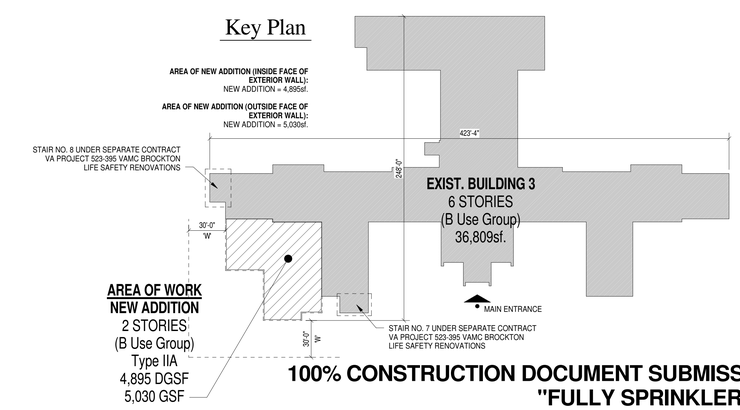


2 G1.2 CODE Level 3/Roof
1/16" = 1'-0"

CODE Legend

- ROOM NAME / 0000 — ROOM NAME / ROOM NUMBER
- 1000 / 100 = 10 — ROOM AREA (sf) / NUMBER OF OCCUPANTS / OCCUPANCY LOAD FACTOR (sf/occupant)
- 0 / 0 — ACTUAL EGRESS OCCUPANT LOAD / MAXIMUM ALLOWABLE OCCUPANT LOAD
- XXX — DIRECTION OF EGRESS TRAVEL WITH ACCUMULATED OCCUPANCY LOAD
- XXX MTD — MAXIMUM TRAVEL DISTANCE FROM FURTHEST POINT
- XXX CPT — COMMON PATH OF TRAVEL
- 1HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
- 2HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
- 3HR. FIRE-RATED WALL CONSTRUCTION (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
- SMOKE TIGHT WALL CONSTRUCTION - ALL WALLS U.N.O. (TIGHT TO UNDERSIDE OF STRUCTURE ABOVE)
- FE — FIRE EXTINGUISHER
- ACCESSIBLE SPACE/ITEM
- ACCESSIBLE EXIT/ENTRANCE

Key Plan



100% CONSTRUCTION DOCUMENT SUBMISSION "FULLY SPRINKLERED"

Revisions:	Date:
1 - 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

REGISTERED ARCHITECT JAMES D. ZEILI No. 30825 WETHERSFIELD CT COMMONWEALTH OF MASSACHUSETTS

ARCHITECT/ENGINEERS:

moser pilon nelson architects
30 - JORDAN - LANE
WETHERSFIELD, CT. 06109
(860) 563-4164

Drawing Title: Level 2 Code/Egress Plan

Approved: Project Director

Project Title: BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus

Location: 940 Belmont Street Brockton, MA 02301

Date: 02/12/2016 | Checked: JB | Drawn: SB

Project Number: 523-398

Building Number: 3

Drawing Number: G1.2

Dwg. 4 of 145

Office of Facilities Management

Department of Veterans Affairs

LEGEND

EXIST	PROP	
		PROPERTY LINE/RIGHT-OF-WAY
		CENTERLINE
		EASEMENT
		BUILDING SETBACK
10+00	10+00	STATE HIGHWAY BASELINE
		BASELINE
		ZONING LINE
		EDGE OF WATER
WF1 WF2		WETLAND LINE
		BUFFER ZONE
		WETLAND SYMBOL
		MAINTAIN TREE INSTALL TREE PROTECTION
		R&D TREE
		R&D PAVEMENT & SIDEWALK
		R&D UTILITY
		SAWCUT
		LIMIT OF DISTURBANCE (LOD)
		GRAVEL ROAD
		EDGE OF PAVEMENT
		BITUMINOUS CURB
		CONCRETE CURB
		PRECAST CONC. CURB
		VERT. GRAN. CURB
		LIMIT OF CURB TYPE
		SAW CUT
MATCH LINE SEE SHEET 2 OF 2		MATCH LINE
SWL	SWL	SOLID WHITE LINE
SYL	SYL	SOLID YELLOW LINE
BWL	BWL	BROKEN WHITE LINE
BYL	BYL	BROKEN YELLOW LINE
SWCHL	SWCHL	SOLID WHITE CHANNELIZING LINE
SYCHL	SYCHL	SOLID YELLOW CHANNELIZING LINE
DYL	DYL	DOUBLE YELLOW LINE
STOP	STOP	STOP LINE
		GUARD RAIL
		STOCKADE FENCE
		WIRE FENCE
		CHAIN LINK FENCE
		TREE LINE
		SHRUB LINE
		STONE WALL
		RETAINING WALL
2	4	MINOR CONTOUR
10	20	MAJOR CONTOUR
TS	TS	TOP of SLOPE
BS	BS	BOTTOM of SLOPE
		BUILDING
		BOLLARD
		SIGN
		DOUBLE SIGN
PM	PM	PARKING METER
10	10	PARKING COUNT
		PAINTED CROSS WALK
		CONCRETE (CONC.)
		PAVEMENT
		HANDICAP RAMP
		HANDICAP PARKING
VAN	VAN	VAN-ACCESSIBLE HANDICAP PARKING
21.25 TC 21.25 BC	21.25 TC 21.25 BC	TOP & BOTTOM ELEVATION
21.25	21.25	SPOT ELEVATION w/LEADER
x21.25	x21.25	SPOT ELEVATION
		SOIL BORING
		MONITORING WELL
		TEST PIT LOCATION
		IRON PIPE
		DRILL HOLE
	IP	IRON PIN
		MONUMENT
		MAIL BOX
		CONTROL POINT

EXIST	PROP	
8" D		DRAINAGE LINE
	R	ROOF DRAIN
12" S	S	SEWER LINE
U	U	OVERHEAD ELECTRIC, TELEPHONE & FIRE ALARM
W	W	WATER LINE
FP	FP	FIRE PROTECTION LINE
G	G	GAS LINE
E	E	UNDERGROUND ELECTRIC
T	T	TELEPHONE LINE
C	C	CABLE TV
E/T/C	E/T/C	ELECTRIC, TELEPHONE & CABLE TV LINES
	CB	CATCH BASIN
DCB	DCB	DOUBLE CATCH BASIN
		DRAIN INLET
D	D	DRAIN MANHOLE
		TRENCH DRAIN
E	E	PLUG/STUB
		FLARED END SECTION
		HEADWALL
GT	GT	GREASE TRAP
CS	CS	CONTROL STRUCTURE
S	S	SEWER MANHOLE
CO	CO	CLEAN OUT
W	W	WATER MANHOLE
WG	WG	WATER GATE
GV	GV	GATE VALVE
SHUT OFF	SHUT OFF	WATER SHUTOFF
		THRUST BLOCK
		REDUCER
		TEE
TSV	TSV	TAPPING SLEEVE, VALVE, & BOX RISER
		PRESSURE REDUCER
		SIAMESE CONNECTION (FIRE DEPARTMENT CONNECTION)
		FIRE HYDRANT
WM	WM	WATER METER
PIV	PIV	POST INDICATOR VALVE
W	W	WELL
GG	GG	GAS GATE
GM	GM	GAS METER
E	E	ELECTRIC MANHOLE
EB	EB	ELECTRIC BOX
EM	EM	ELECTRIC METER
T	T	TRANSFORMER
		LIGHT POST
		FLOOD LIGHT
		LIGHT POLE (1 LUMINARIES)
		LIGHT POLE (2 LUMINARIES)
		LIGHT POLE (3 LUMINARIES)
		LIGHT POLE (4 LUMINARIES)
		WALL PACK
		LIGHT POLE W/SHEILDS
T TS	T TS	TELEPHONE MANHOLE
		TRAFFIC SIGNAL
S	S	SIGNAL BOX
FACP	FACP	FIRE ALARM CONTROL PANEL
FB	FB	FIRE ALARM BOX
		UTILITY POLE
		GUY POLE
HH	HH	HAND HOLE
PB	PB	PULL BOX
	SF	SILT FENCE/STOCKPILE LOCATION
		STRAW BALES

ABBREVIATIONS

GENERAL

APPROX	APPROXIMATE
BIT.	BITUMINOUS PAVEMENT
BW	BOTTOM OF WALL
CC	CONCRETE CURB
CCB	CAPE CODE BERM
CONC.	CONCRETE
ELEV	ELEVATION
EXIST	EXISTING
GC	GRANITE CURB
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
PCC	PRE CAST CONCRETE CURB
PROP	PROPOSED
REM	REMOVE
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
TOS	TOP OF SLOPE
TW	TOP OF WALL
TYP	TYPICAL
VGC	VERTICAL GRANITE CURB

UTILITY

CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
DCB	DOUBLE CATCH BASIN
DI	DUCTILE IRON PIPE
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HYD	HYDRANT
INV	INVERT ELEVATION
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UP	UTILITY POLE

MAP REFERENCE

1. EXISTING CONDITIONS DEPICTED ON THIS PLAN ARE BASED ON A SURVEY CONDUCTED BY NATIONAL LAND SURVEYORS-DEVELOPERS, INC., 42 HAMLET AVENUE, WOONSOCKET, RI., IN SEPTEMBER 2012.
2. TOPOGRAPHIC ELEVATIONS ARE BASED ON DATUM NAVD 88.
3. VERTICAL BENCHMARK:
   FRONT BONNET BOLT
   ELEV. = 116.48'
   AT NORTHWEST CORNER OF THE INTERSECTION OF MASS AVE. AND THE MAIN HOSPITAL ACCESS ROADWAY.

GENERAL NOTES

1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDINGS AND ADJACENT SITE ELEMENTS INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
5. LOCATION OF UTILITIES SHOWN HEREON ARE THE RESULT OF SURFACE EVIDENCE AS LOCATED BY FIELD SURVEY, PLANS OF RECORD, INFORMATION FURNISHED BY THE RESPECTIVE UTILITY COMPANIES, AND OTHER AVAILABLE SOURCES. THIS PLAN DOES NOT NECESSARILY DEPICT THE EXACT LOCATION OF ALL UTILITIES WHICH MAY EXIST AT THIS TIME WITHIN THE PREMISES SURVEYED. LOCATIONS SHOULD BE VERIFIED BY THE RESPECTIVE UTILITY COMPANY BEFORE BEING RELIED UPON. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
6. LOCATION AND INVERTS OF EXISTING UTILITIES SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL FIELD CHANGES MUST BE APPROVED BY THE ENGINEER.
7. FUSS & O'NEILL MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. FUSS & O'NEILL FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. FUSS & O'NEILL HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CALL DIG SAFE SYSTEMS FOR CLEARANCE.

REGULATORY REQUIREMENTS

1. APPROVED PLANS TO BE ON SITE AT ALL TIMES.
2. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
3. WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE MASS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS. REFERENCE VHA CEOSH CONSTRUCTION SAFETY GUIDEBOOK DATED MARCH 2015 AND SPECIFICATION SECTION 01 35 26 SAFETY REQUIREMENTS.
5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.

EARTHWORK

1. CALL DIG-SAFE 811 OR 1-888-DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
3. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, PERFORM EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. SEE DRAWINGS BY OTHERS FOR WORK ABOVE SUBGRADE.
4. CONTRACTOR SHALL PROTECT ALL SLOPES, VEGETATION, PAVING, WALKS, AND IMPROVEMENTS OUTSIDE THE AREAS TO BE AFFECTED BY THE CONSTRUCTION OF THIS PROJECT.
5. REFER TO EROSION AND SEDIMENTATION CONTROL DETAILS FOR EROSION AND SEDIMENTATION CONTROL NOTES.
6. CATCH BASINS WITHIN THE WORK AREA OR DOWN STREAM OF DRAINAGE FLOW WILL TO BE PROTECTED WITH CATCH BASIN SILT SACKS.
7. WATER AND CALCIUM CHLORIDE MUST BE AVAILABLE AT ALL TIMES FOR DUST CONTROL.

DEMOLITION

1. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS, UNLESS OTHERWISE NOTED.
2. THE DEMOLITION PLAN IS PROVIDED FOR INFORMATION ONLY AND MAY NOT INDICATE ALL ITEMS REQUIRED TO BE DEMOLISHED. PERFORM A PRE-BID SITE INSPECTION. COORDINATE DEMOLITION OF UNIDENTIFIED UTILITIES OR STRUCTURES WITH OWNER. DEMOLISH STRUCTURES, SITE IMPROVEMENTS, UTILITIES, ETC. AS REQUIRED TO CONSTRUCT PROPOSED TO CONSTRUCT PROPOSED FACILITY AND UTILITY SERVICES.
3. TREES, BRUSH AND STUMPS REMOVED BY CLEARING & GRUBBING OPERATIONS SHALL BE TRANSPORTED OFF THE PROJECT SITE TO AN APPROVED DISPOSAL LOCATION.
4. ITEMS TO BE STOCKPILED ON-SITE FOR REUSE OR TO BE RELOCATED SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS. IF DAMAGED DURING CONSTRUCTION THEY SHALL BE REPLACED IN-KIND AT NO ADDITIONAL COST TO THE OWNER.

WORK RESTRICTIONS

1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
2. WORK IS RESTRICTED TO THE HOURS OF 7 AM TO 5 PM MONDAY THROUGH FRIDAY.

CONSTRUCTION LAYOUT

1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
3. IMMEDIATELY INFORM THE COR AND CONTRACTING OFFICER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND SAFETY OF TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT

PAVEMENT

1. AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH VA BARRIER FREE DESIGN GUIDE (PG 18-13), THE FEDERAL AMERICANS WITH DISABILITIES ACT, AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

SITE RESTORATION

1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

UTILITIES

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH US DEPARTMENT OF VETERANS AFFAIRS REQUIREMENTS. COORDINATE UTILITY SERVICE DISCONNECTS WITH THE COR, COTR AND BROCKTON VAMC FACILTITIES PERSONNEL.
2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
3. COORDINATE THE WORK AND WORK SCHEDULE WITH THE COR, COTR AND BROCKTON VAMC FACILITIES PERSONNEL. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
4. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (US DEPARTMENT OF VETERANS AFFAIRS). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.
5. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF DRAINAGE AND UTILITIES WITHIN 10 FEET OF BUILDING FOOTPRINT.
6. NOTIFY BROCKTON VAMC FACILTIES PERSONNEL, THE COR AND COTR, 24 HOURS PRIOR TO DISRUPTION OF UTILITY SERVICE.

EROSION & SEDIMENT CONTROL NOTES

REFERENCE SHEETS C1.1 – 1.4 AND L1.0

1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
2. SEDIMENT REMOVED FROM EROSION CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THIS PLAN. ALL STRAW BALES OR SILT FENCE RETAINING SEDIMENT OVER 6" HIGH SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS REMOVED AND REPLACED.
3. THE CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO, SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC ON ADJACENT ROADWAYS.
5. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. OUTSIDE OF THE GROWING SEASON, ONLY WOOD MULCH SHALL BE USED.
6. STRAW BALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
7. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BASIN, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. THE CONTRACTOR MUST SUBMIT HIS DESIGN ALONG WITH THE LOCATIONS OF THE BASIN TO THE TOWN PRIOR TO CONSTRUCTION.
8. INSPECTION – A CERTIFIED SOIL SCIENTIST OR ENGINEER SHALL INSPECT ALL DISTURBED AREAS OF THE CONSTRUCTION ACTIVITY THAT HAVE NOT BEEN FINALLY STABILIZED. STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1.0 INCH OR GREATER. INSPECTION REPORTS SHALL BE SUBMITTED TO THE OWNER WEEKLY, AND TO THE INLAND WETLANDS AGENT AND THE PLANNING & ZONING COMMISSION MONTHLY, WHERE SITES HAVE BEEN FINALLY STABILIZED, SUCH INSPECTION SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH FOR THREE MONTHS. CONTROLS SHALL BE CLEANED, REPAIRED, AND OR REPLACED AS REQUIRED. ANY DAMAGED CONTROLS SHALL BE REPAIRED IMMEDIATELY.
9. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.

STORMWATER OPERATION & MAINTENANCE PLAN DURING CONSTRUCTION

AN OPERATION AND MAINTENANCE (O&M) PLAN DURING CONSTRUCTION FOR STORMWATER CONTROLS IS DESCRIBED AS FOLLOWS:

1. OWNER SHALL BE RESPONSIBLE FOR ALL OPERATION AND MAINTENANCE OF THE SITE.
2. NO EARTHWORK ACTIVITIES SHALL COMMENCE UNTIL SILT FENCE HAS BEEN INSTALLED. SILT FENCE SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS.
3. AREAS LEFT EXPOSED TO EROSION FOR MORE THAN SEVEN DAYS SHALL BE ROUGH GRADED AND TEMPORARILY STABILIZED. AREAS DISTURBED BUT INACTIVE FOR MORE THAN THIRTY DAYS SHALL BE TEMPORARILY SEEDED.
4. EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED INITIAL SUCCESSFUL ESTABLISHMENT OF GROUND COVER.
5. PAVED AREAS SHALL BE KEPT FREE OF SEDIMENT, AND SHALL BE CLEANED PERIODICALLY AS REQUIRED BY CONSTRUCTION ACTIVITIES.
6. CATCH BASINS SHALL BE PERIODICALLY INSPECTED FOR THE ACCUMULATION OF SEDIMENT. ALL CATCH BASINS WITHIN THE PROJECT SHALL BE CLEANED AT THE END OF THE PROJECT.
7. SEDIMENT STOCKPILES SHALL HAVE A SIDE SLOPE OF NO GREATER THAN 2:1. ALL STOCKPILES SHALL BE ROUGH GRADED OR MAINTAIN A ROUGHENED SURFACE TO PREVENT EROSION. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AFTER FORMATION OF STOCKPILE AS TO PREVENT EROSION. STRAW BALES BARRIER AND SILT FENCE SHALL BE INSTALLED AROUND STOCKPILE AREA APPROXIMATELY 10 FEET FROM TOE OF SLOPE.
8. THE CONTRACTOR IS RESPONSIBLE TO INSPECT AND REPAIR EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED TO PREVENT DAMAGE OR SEDIMENTATION.
9. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

STORMWATER OPERATION & MAINTENANCE PLAN POST CONSTRUCTION

SUGGESTED OPERATION AND MAINTENANCE ACTIVITIES AND PROPOSED SCHEDULE AFTER CONSTRUCTION AS FOLLOWS:

1. THE STORMWATER COLLECTION SYSTEMS WILL BE INSPECTED A MINIMUM OF FOUR (4) TIMES PER YEAR TO MAINTAIN PROPER OPERATION. ALL SEDIMENTATION WILL BE REMOVED FROM EACH DEEP SUMP CATCH BASIN A MINIMUM OF FOUR (4) TIMES A YEAR OR WHENEVER THE DEPTH OF DEPOSITS IS GREATER THAN OR EQUAL TO ONE HALF THE DEPTH FROM THE BOTTOM OF THE INVERT OF THE LOWEST PIPE.
3. PAVED SURFACES WILL BE SWEPT TWICE ANNUALLY, APRIL AND OCTOBER, TO REMOVE SAND AND DEBRIS FOLLOWING WINTER MONTHS.
4. STRUCTURES AND PIPES WILL BE INSPECTED EACH SPRING (APRIL) AND FALL (NOVEMBER) FOR ACCUMULATION OF SEDIMENT AND DEBRIS. CLEAN AS REQUIRED.
5. SUBSURFACE INFILTRATION SYSTEMS WILL BE INSPECT A MINIMUM OF TWCE ANNUALLY FOR ACCUMULATION OF SILT AND DEBRIS. REFER TO THE STORMTECH OPERATION AND MAINTENANCE GUIDELINES FOR MANUFACTURE'S SPECIFICATIONS ON INSPECTION AND MAINTENANCE.

100% CONSTRUCTION DOCUMENT SUBMISSION
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Revisions:	Date
1 – 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

FUSS & O'NEILL
78 INTERSTATE DRIVE
WEST SPRINGFIELD, MA 01089
413.452.0445
www.fando.com

COMMONWEALTH OF MASSACHUSETTS ERIC M. BERNARDIN CIVIL No. 27950 REGISTERED PROFESSIONAL ENGINEER
04/08/16

ARCHITECT/ENGINEERS:

moser pilon nelson architects
30 JORDAN LANE
WETHERSFIELD, CT. 06109
(860) 563-9164

Drawing Title: SITE/CIVIL GENERAL NOTES & LEGEND

Approved: Project Director

Project Title: BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus

Location: 940 Belmont Street Brockton, MA 02301

Date: 02/12/2016 | Checked: DD | Drawn: ATB

Project Number: 523-398

Building Number: 3

Drawing Number: C1.0

Dwg. 5 of 145

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

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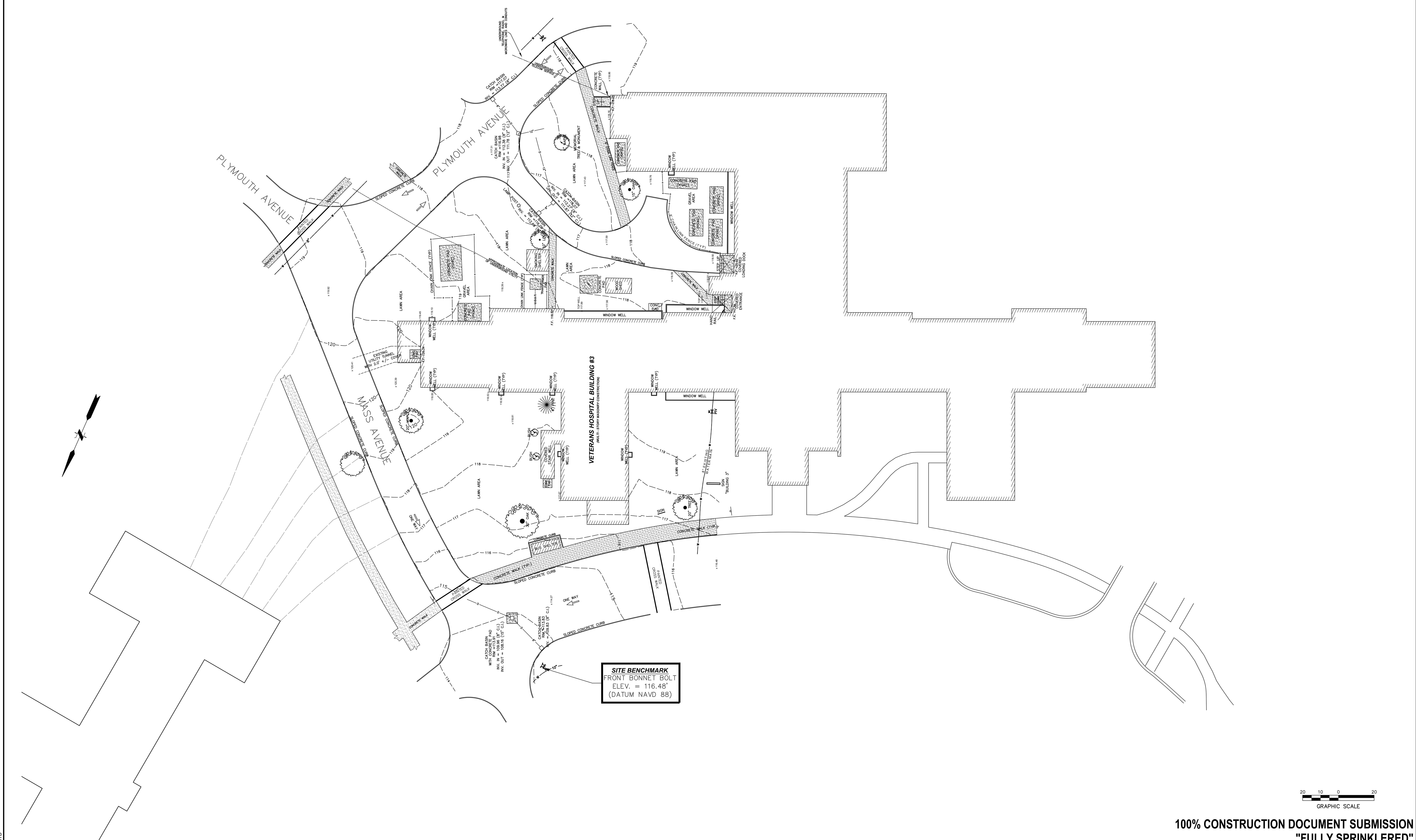

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Revisions	Date
1 – 100% CONSTRUCTION DOCUMENT SUBMISSION	04/08/2016

CONSULTANTS:

FUSS & O'NEILL
78 INTERSTATE DRIVE
WEST SPRINGFIELD, MA 01089
413.452.0445
www.fando.com

04/08/16
COMMONWEALTH OF MASSACHUSETTS
ERIC M. BERNARDIN
CIVIL
No.37950
REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

moser pilon nelson architects
20 JORDAN LANE
WETHERSFIELD, CT. 06109
(860) 563-6164

Drawing Title: EXISTING CONDITIONS PLAN

Approved: Project Director

Project Title: BUILDING 3
MRI/CT Radiology Addition
Boston Healthcare System - Brockton Campus

Location: 940 Belmont Street Brockton, MA 02301

Date	Checked	Drawn
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Project Number: 523-398

Building Number: 3

Drawing Number: C1.1

Dwg. 6 of 145

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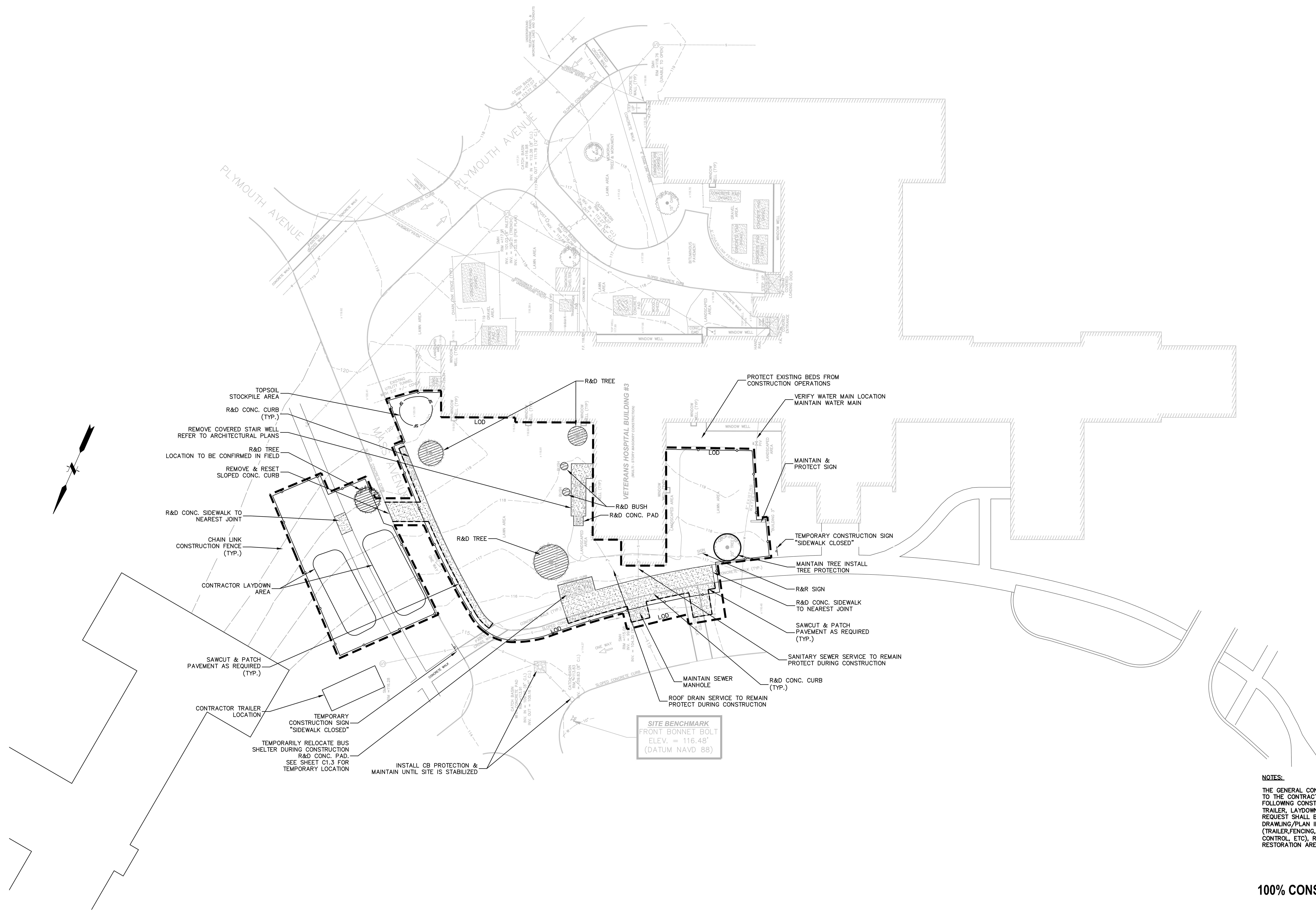

NOTES:

THE GENERAL CONTRACTOR SHALL SUBMIT A REQUEST TO THE CONTRACTING OFFICER AND COR FOR THE FOLLOWING CONSTRUCTION SUPPORT AREAS: JOB TRAILER, LAYDOWN AND/OR STAGING AREA. THE REQUEST SHALL BE ACCOMPANIED BY A SCALE DRAWLING/PLAN INCLUDING STRUCTURES (TRAILER,FENCING, ANTI-TRACKING PAD, EROSION CONTROL, ETC), REQUESTED DURATION, AND RESTORATION AREAS.

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GRAPHIC SCALE

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Revisions	Date
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ERIC M. BERNARDIN
CIVIL
No. 37950
REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

moser pilon nelson architects
30 JORDAN LANE
WETHERSFIELD, CT. 06109
(860) 563-6154

Drawing Title	SITE DEMOLITION PLAN
Approved: Project Director	
Project Title	BUILDING 3 MRI/CT Radiology Addition Boston Healthcare System - Brockton Campus
Location	940 Belmont Street Brockton, MA 02301
Date	02/12/2016
Checked	DD
Drawn	ATB
Project Number	523-398
Building Number	3
Drawing Number	C1.2
Dwg.	7 of 145

Office of Facilities Management

Department of Veterans Affairs

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