

SAMUEL S. STRATTON DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER ALBANY, N.Y. 12208



PROJECT TITLE:
**NEW EMERGENCY
DEPARTMENT**

PROJECT NO. 528-809

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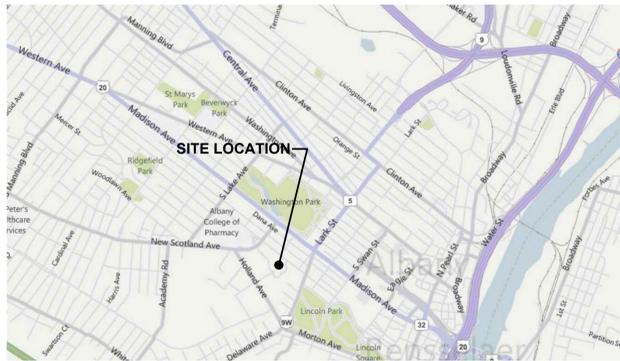
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INFECTION CONTROL NURSE			
FIRE & SAFETY MANAGER			
GEMS COORDINATOR			
CHIEF OF POLICE			
OPERATIONS MANAGER			
ENVIRONMENTAL SERVICES MANAGER			

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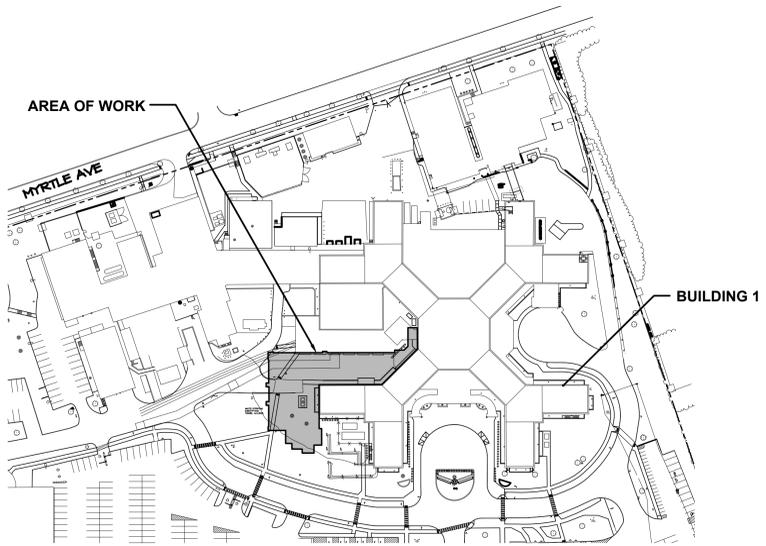
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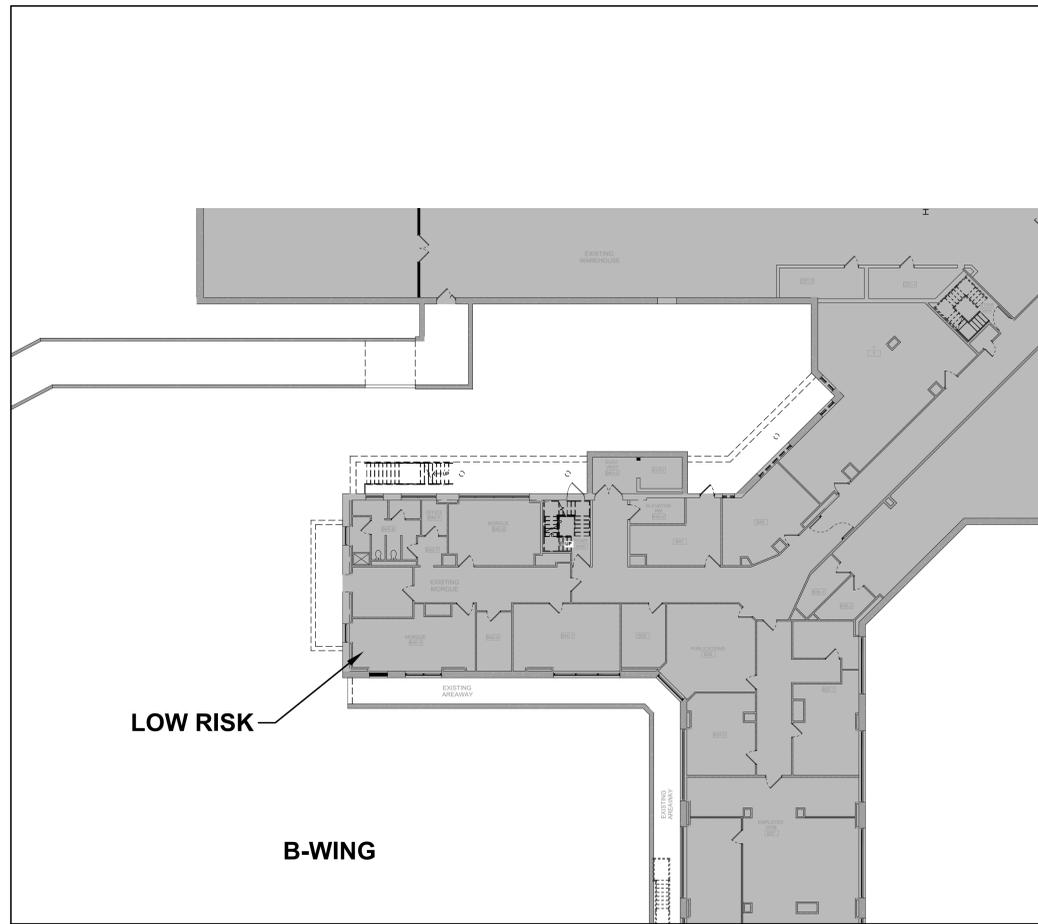


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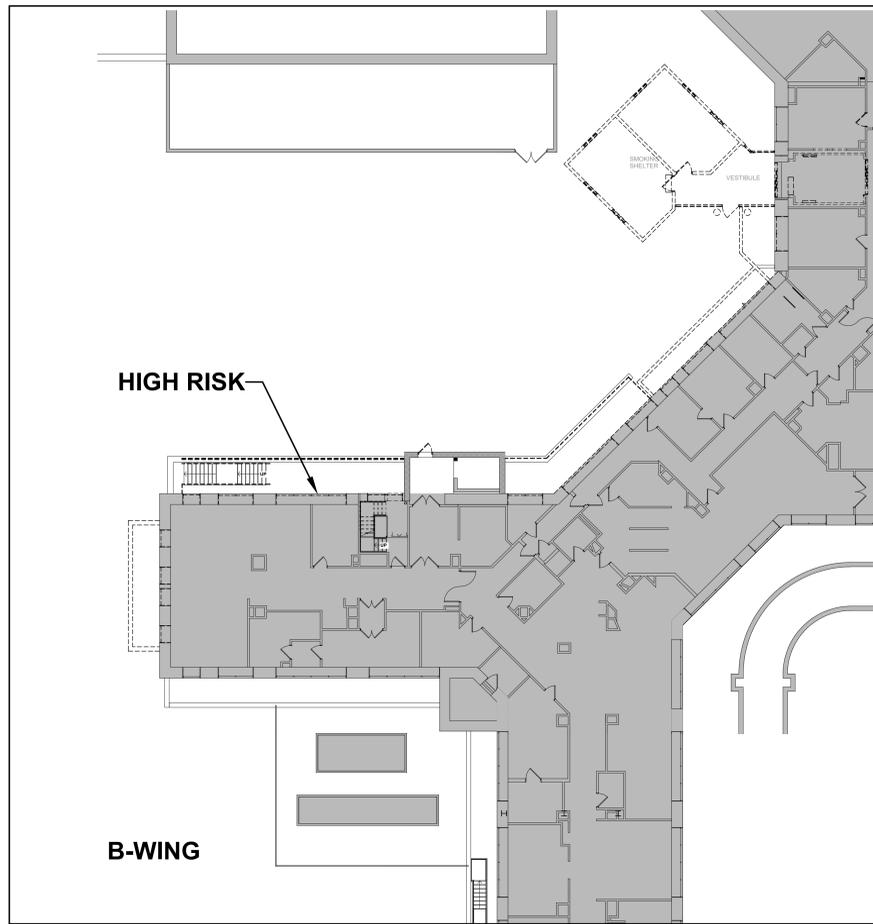
	CONSULTANT HYMAN HAYES ASSOCIATES 	ARCHITECT/ENGINEER OF RECORD FELLENER III ENGINEERING LLP FE PROJECT NO: 19-181 22 Mulberry St., Suite 2A, Middletown, NY 10940 181 Church St., Suite 100, Poughkeepsie, NY 12601	STAMP JOHN D. FELLENER, P.E. NY PROFESSIONAL ENGINEER NO. 069373-1	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title TITLE SHEET WITH INDEX TO DRAWINGS Approved: Project Director	Phase 100% FOR BID FULLY SPRINKLERED	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT Location ALBANY, NY Issue Date MARCH 18, 2022 Checked JDF Drawn SRB	Project Number 528-809 Building Number 1 Drawing Number GI-001
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Description of Required Infection Control Precautions by Class		
	During Construction Project	Upon Completion of
Class I	1. Excise work by methods to minimize raising dust from construction operations.	
Class II	1. Provide active means to prevent airborne dust from dispersing into atmosphere. 2. Water mist work surfaces to control dust while cutting. 3. Seal unused doors with duct tape. 4. Block off and seal air vents. 5. Place dust mat at entrance and exit of work area. 6. Remove or isolate HVAC system in areas where work is being performed.	1. Wipe work surfaces with disinfectant. 2. Contain construction waste before transport in tightly covered containers. 3. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. 4. Remove isolation of HVAC system in areas where work is being performed.
Class III	1. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Contain construction waste before transport in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid. 6. All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from work area until completed project is inspected by the owner's Safety Section and Infection Control Department, and thoroughly cleaned by the owner's Environment Services Department.	1. Do not remove barriers from work area until completed project is inspected by the owner's Safety Department and Infection Control Department, and thoroughly cleaned by the owner's Environment Services Department. 2. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 3. Vacuum work area with HEPA filtered vacuums. 4. Wet mop area with disinfectant. 5. Remove isolation of HVAC system in areas where work is being performed.
Class IV	1. Remove or isolate HVAC system in area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers, i.e., sheetrock, plywood, plastic, to seal area from non-work area or implement control cube method (cart with plastic covering and sealed connection to work site with HEPA vacuum for vacuuming prior to exit) before construction begins. 3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. 4. Contain construction waste before transport in tightly covered containers. 5. Cover transport receptacles or carts. Tape covering unless solid lid. 6. All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from work area until completed project is inspected by the owner's Safety Section and Infection Control Department, and thoroughly cleaned by the owner's Environment Services Department.	1. Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. 2. Contain construction waste before transportation in tightly covered containers. 3. Cover transport receptacles or carts. Tape covering unless solid lid. 4. Vacuum work area with HEPA filtered vacuums. 5. Wet mop area with disinfectant. 6. Remove isolation of HVAC system in areas where work is being performed.



1 BASEMENT FLOOR ICRA PLAN
N.T.S.



2 FIRST FLOOR ICRA PLAN
N.T.S.

PATIENT RISK GROUP FOR "TYPE D" CONSTRUCTION MAJOR DEMOLITION AND CONSTRUCTION PROJECTS	
<ul style="list-style-type: none"> ACTIVITIES THAT REQUIRE CONSECUTIVE WORK SHIFTS REQUIRES HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CABLING SYSTEM NEW CONSTRUCTION 	
LOW RISK GROUP	Class III / IV
MEDIUM RISK GROUP	Class IV
HIGH RISK GROUP	Class IV
HIGHEST RISK GROUP	Class IV

NOTES:

- CONTRACTOR SHALL PROVIDE REQUIRED INFECTION CONTROL PRECAUTIONS AS SHOWN IN CHART FOR ALL WORK TO BE DONE UNDER THIS PROJECT.
- IF AREA OF WORK IS IN QUESTION, COORDINATE WITH VA REPRESENTATIVE FOR CLASSIFICATION OF AREA.
- INSPECTION OF AREA REQUIRED BY VA COR/SAFETY/INFECTION PREVENTION PRIOR TO REMOVING BARRIERS.

Revisions:	Date:

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
ICRA, PROJECT SCHEDULE + GENERAL NOTES

Approved: Project Director

Phase
100% FOR BID

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Project Title
STRATTON VA MEDICAL CENTER
NEW EMERGENCY DEPARTMENT

Location
ALBANY, NY

Issue Date
MARCH 18, 2022

Checked
JDF

Drawn
SRB

Project Number
528-809

Building Number
1

Drawing Number
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PHASING PLAN - CONCEPT

CONTRACTOR SHALL PROVIDE A DETAILED PHASING AND COORDINATION PLAN AND SCHEDULE AS PART OF THE INITIAL SUBMISSION. REFER TO SPEC SECTION 01 32 16.15.

PHASE 1: GENERAL START PHASE (6 WEEKS)

- 1. SUBMIT ALL REQUIRED DOCUMENTATION AND PROPOSED SCHEDULE... 2. SUBMIT ALL CRITICAL PATH SUBMITTALS... 3. SUBMIT ALL NON-CRITICAL PATH SUBMITTALS...

PHASE 2: CONTRACTOR MOBILIZATION (3 WEEKS)

- 1. PROVIDE CONSTRUCTION TRAILER, TEMPORARY DUMPSTERS... 2. PROVIDE DUST CONTROL AND TEMPORARY PROTECTION... 3. PROVIDE TEMPORARY PROTECTION FOR EXISTING WAREHOUSE... 4. RELOCATE C-100 CHILLER UNIT... 5. COORDINATE WITH THE VA TO SECURE AREAS OF WORK...

PHASE 3: SITE DEMOLITION (20 WEEKS)

- 1. COORDINATE WITH PHASE 4 CONSTRUCTION FOR INSTALLATION OF NEW ELECTRIC UTILITIES... 2. STRIP AND STORE EXISTING TOPSOIL AS REQUIRED... 3. REMOVE NECESSARY EXISTING SIDEWALKS, PAVEMENTS... 4. INSTALL DEWATERING EQUIPMENT ON SITE... 5. EXCAVATE FOR NEW ADDITION FOUNDATION... 6. GRADE SITE TO REQUIRED ELEVATIONS... 7. COORDINATE WITH PHASE 4 CONSTRUCTION FOR INSTALLATION OF NEW UNDERGROUND UTILITIES...

PHASE 4: CONSTRUCTION FOR NEW ADDITION (40 WEEKS)

- 1. COORDINATE WITH PHASE 3 DEMOLITION FOR INSTALLATION OF NEW SANITARY, STORM, AND ELECTRIC UTILITIES... 2. FORM, INSTALL REINFORCEMENT, AND POUR CONCRETE FOR FOUNDATION... 3. INSTALL SANITARY AND STORM SEWER UTILITY CONNECTIONS... 4. BACKFILL AND COMPLETE FINISH GRADING... 5. TEMPORARILY STABILIZE EXPOSED SOIL... 6. INSTALL STRUCTURAL STEEL, WALLS, AND ROOFING... 7. COMPLETE INTERIOR BUILDING ARCHITECTURAL, PLUMBING, HVAC, FIRE PROTECTION, AND ELECTRICAL WORK... 8. INSTALL ALL PEDESTRIAN AND VEHICULAR IMPROVEMENTS... 9. INSTALL LANDSCAPING AND SITE DECORATIONS... 10. CONTRACTOR PUNCH LIST... 11. PROVIDE ALL CLOSE OUT DOCUMENTATION AND AS-BUILTS...

PHASE 5: CONTRACTOR DEMOBILIZATION AND CLOSEOUT (4 WEEKS)

- 1. REMOVE CONSTRUCTION TRAILER, TEMPORARY DUMPSTERS... 2. VA FINAL INSPECTION AND PUNCHLIST

EROSION & SEDIMENT CONTROL NOTES:

- 1. THE CONTRACTOR SHALL ASSURE THAT AN EROSION AND SEDIMENT (E&S) CONTROL PLAN HAS BEEN PREPARED... 2. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN... 3. THE E&S CONTROL PLAN MAPPING MUST DISPLAY A NY ONE CALL SYSTEM... 4. THE CONTRACTOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED... 5. EROSION AND SEDIMENT BMPs (BEST MANAGEMENT PRACTICES) MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS... 6. UNTIL THE SITE ACHIEVES FINAL STABILIZATION, THE CONTRACTOR SHALL ASSURE THAT THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED... 7. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION... 8. THE EROSION AND SEDIMENT CONTROLS SELECTED AND MAINTAINED BY THE CONTRACTOR SHALL BE SUCH THAT WATER QUALITY STANDARDS ARE NOT VIOLATED... 9. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN... 10. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY...

BMPs - AFTER DISTURBANCE

- 1. WHEN FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs CONTROLS MUST BE REMOVED... 2. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER... 3. AREAS OF REMOVED PAVEMENT WHICH WILL BE RESTORED TO GRASS, LAWN OR PLANTED AREAS SHALL HAVE THE EXISTING SUBBASE MATERIAL REMOVED... 4. EXISTING PAVEMENT THAT IS SAW-CUT USING WET METHODS SHALL BE COATED AND SEALED... 5. AREAS THAT ARE EXCAVATED TO EXPOSED SOILS AND HAVING NEW PAVEMENT INSTALLED SHALL BE EXCAVATED TO THE DEPTH OF THE REQUIRED SUBBASE...

PAVEMENT DEMOLITION NOTES:

- 1. PARKING LINES SHALL BE REMOVED BY ABRASIVE METHODS OR BY COATING ENTIRE AREA WITH A NEW COAT OF ASPHALTIC SEALER... 2. IN AREAS WHERE PAVEMENT BEING REMOVED WHICH IS ADJACENT TO PAVEMENT TO REMAIN... 3. AREAS OF REMOVED PAVEMENT WHICH WILL BE RESTORED TO GRASS, LAWN OR PLANTED AREAS SHALL HAVE THE EXISTING SUBBASE MATERIAL REMOVED... 4. EXISTING PAVEMENT THAT IS SAW-CUT USING WET METHODS SHALL BE COATED AND SEALED... 5. AREAS THAT ARE EXCAVATED TO EXPOSED SOILS AND HAVING NEW PAVEMENT INSTALLED SHALL BE EXCAVATED TO THE DEPTH OF THE REQUIRED SUBBASE...

GENERAL NOTES:

- 1. CONTRACTOR, AT THEIR OWN EXPENSE, SHALL ABIDE BY THE LATEST EDITIONS OF ALL OSHA REGULATIONS AND REQUIREMENTS... 2. THERE SHALL BE NO CLAIMS AGAINST THE V.A. FOR WORK STOPPAGES DUE TO ACTS OF GOD, WEATHER CONDITIONS, STOP WORK ORDERS... 3. ALL QUANTITIES SHOWN ON THE DRAWING ARE ESTIMATED QUANTITIES ONLY... 4. ALL WORK SHALL BE PERFORMED BY THOSE WHO ARE SKILLED IN THEIR TRADE... 5. ROADWAYS, BUILDING EMERGENCY ACCESS AREAS, AND BUILDING ENTRY AND EXITS AREAS ARE TO BE KEPT CLEAR AT ALL TIMES... 6. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN IN THE FIELD... 7. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN THE LOCATION, DEPTH, DIRECTION, AND SIZE OF ANY AND ALL UTILITIES... 8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY UTILITY DISRUPTED, BROKEN OR OTHERWISE RENDERED NON-FUNCTIONAL... 9. THE CONTRACTOR SHALL IDENTIFY ANY NON-FUNCTIONING UTILITY/SYSTEM... 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT ANY UTILITY ENCOUNTERED... 11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT... 12. THE CONTRACTOR SHALL SECURE ALL EXTERIOR WORK AND STAGING AREAS... 13. THE CONTRACTOR SHALL NOT LEAVE THE WORK AREA UNATTENDED FOR ANY REASON... 14. THE CONTRACTOR SHALL LEAVE THE WORK SITE CLEAN AND SECURED... 15. THE CONTRACTOR IS ADVISED THAT THEY ARE SOLELY RESPONSIBLE FOR THE SAFETY OF THE WORK SITE... 16. CONTRACTOR SHALL WET SAW CUT WITH PROPER BLADE ANY ROADS, CURBS AND SIDEWALKS... 17. ALL HOLES SHALL BE CORE-DRILLED WITH DIAMOND CORE BITS... 18. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY AND ALL DEBRIS FROM THE SITE... 19. THE CONTRACTOR SHALL MAINTAIN THE WORK SITE IN A NEAT AND CLEAN CONDITION... 20. GRADE AND RE-SEED AREAS DAMAGED BY TRENCHING... 21. GRADING AND RE-SEEDING TO INCLUDE: TOP SOIL, FERTILIZER, SEEDS AND PROTECTIVE BEDDING... 22. SUB-GRADE FILL TO BE COMPACTED TO 95% STANDARD PROCTOR... 23. PROVIDE PROTECTIVE MEASURES FOR ALL TREES, BUSHES AND DECORATIVE SHRUBBERY... 24. ALL ESTABLISHED EGRESS ROUTES SHALL REMAIN CLEAR... 25. ALL WORK SHALL BE CONDUCTED WITHIN THE APPROVED FENCING PLAN AREA... 26. ALL CONSTRUCTION VEHICLES WILL HAVE A FUNCTIONING BACKUP ALARM... 27. TEMPORARY WALKWAYS SHALL BE KEPT CLEAR OF SNOW AND/OR DEBRIS... 28. TEMPORARY WALKWAYS SHALL BE ADA COMPLIANT... 29. SPECIFIC MANUFACTURERS AND/OR PRODUCTS ON THE DRAWINGS SHALL BE CONSIDERED BASIS-OF-DESIGN AND SUBJECT TO SUBSTITUTION WITH VA APPROVAL...

VEHICLE ACCESS NOTES:

- 1. ALL TRAFFIC ROUTING MUST BE ABLE TO ACCOMMODATE ALL EMERGENCY VEHICLES... 2. TWO WAY TRAFFIC ALONG VETERANS WAY SHALL BE MAINTAINED AT ALL TIMES... 3. CONTRACTOR SHALL PROVIDE A MINIMUM OF 2 RADIO EQUIPPED PERSONNEL... 4. PRIOR TO THE END OF THE WORK DAY CONTRACTOR SHALL RESTORE 2-WAY TRAFFIC... 5. OVERNIGHT LANE CLOSURES SHALL NOT BE PERMITTED... 6. A MINIMUM OF ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES...

TEMPORARY SAFETY BARRIER NOTES:

- 1. AT A MINIMUM, ALL WORK AREAS SHALL BE ENCLOSED BY GATED TEMPORARY CONSTRUCTION FENCING... 2. ALL WORK AREA BOUNDARIES THAT ARE ADJACENT TO AREAS OF VEHICULAR TRAFFIC SHALL HAVE TEMPORARY BARRIERS...

EXISTING WAREHOUSE ROOF STRUCTURE -LIMITED ACCESS- REQUIREMENTS:

THE WAREHOUSE ROOF STRUCTURE IS LOCATED ADJACENT TO THE PROPOSED CONSTRUCTION SITE. THE ROOF HAS RESTRICTED ACCESS AND LIMITED STRUCTURAL LOADING... CONTRACTOR SHALL PROVIDE TO THE VA A PROPOSED LOADING PLAN TO BE CERTIFIED, SIGNED, AND SEALED BY AN INDEPENDENT STRUCTURAL ENGINEER...

- A. IDENTIFICATION OF ALL PROPOSED CONSTRUCTION EQUIPMENT AND MATERIALS... B. WEIGHTS AND LOADS FOR ANY PROPOSED CONSTRUCTION EQUIPMENT... C. WEIGHTS AND LOADS FOR ANY PROPOSED CONSTRUCTION MATERIALS... D. LOCATION PLAN FOR PROPOSED CONSTRUCTION EQUIPMENT... E. ANTICIPATED DURATION OF PROPOSED CONSTRUCTION EQUIPMENT... F. PROCEDURES NECESSARY FOR THE SAFE OPERATION AND USE OF EACH PIECE OF CONSTRUCTION EQUIPMENT... G. PROCEDURES NECESSARY FOR THE STRUCTURAL REINFORCEMENT AND SUPPORT OF THE WAREHOUSE ROOF STRUCTURE...

ABBREVIATIONS table with columns for acronym and full name. Includes BMPs, COR, DMH, NYS DOT, PVC, SMH, TYP, V.A., BEST MANAGEMENT PRACTICES, CONTRACTING OFFICERS REPRESENTATIVE, DRAINAGE MANHOLE, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, POLYVINYL CHLORIDE, SEWER MANHOLE, TYPICAL, VETERAN AFFAIRS.

SITE - EXISTING

- 100 CONTOUR, WATER VALVE, STORM MANHOLE, COMBINED SEWER MANHOLE, UTILITY, ELECTRICAL MANHOLE, HYDRANT SIAMENSE CONNECTION, HYDRANT, FIRE, WATER SPIGOT, STORM LINE, COMBINED SEWER LINE, UNDERGROUND ELECTRIC, WATER LINE, CATCH BASIN, CONCRETE SIDEWALK, FENCE, LIGHT POLE, EXISTING LANDSCAPING

SITE - NEW

- SPOT ELEVATION, CONTOUR, COMBINED SEWER MANHOLE, STORM LINE, SANITARY LINE, UNDERGROUND ELECTRIC LINE, COMBINED SEWER LINE, CONCRETE FILLED BOLLARD, IMPACT RATED BOLLARD, REMOVABLE IMPACT RATED BOLLARD, CONSTRUCTION FENCE, SILT FENCE, LANDSCAPING PROTECTIVE FENCE, STREET SIGN, V.A. PANEL SIGN WITH POSTS, CONCRETE CURB, CONCRETE DROP CURB, LIGHT POLE, CANOPY, CONCRETE SIDEWALK AND PAVEMENT, PROPOSED PAVEMENT, PROPOSED BUILDING, DEMO PAVEMENT HATCH

SITE - SYMBOLS

- BENCHMARK, DEMOLITION LINE, KEYNOTE INDICATOR, REVISION INDICATOR (SHOWN WITH CLOUD), DISCONNECTION SYMBOL, CONNECTION SYMBOL

Revisions table with columns for Revisions and Date.

CONSULTANT: HYMAN HAYES ASSOCIATES, I-H-A logo, 800 TROY SCHENECTADY ROAD, SUITE 103, LARANA, NY 12110, (518) 452-3470, www.hymanhayes.com

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STAMP: JOHN D. FELLENER, P.E., NY PROFESSIONAL ENGINEER NO. 069373-1

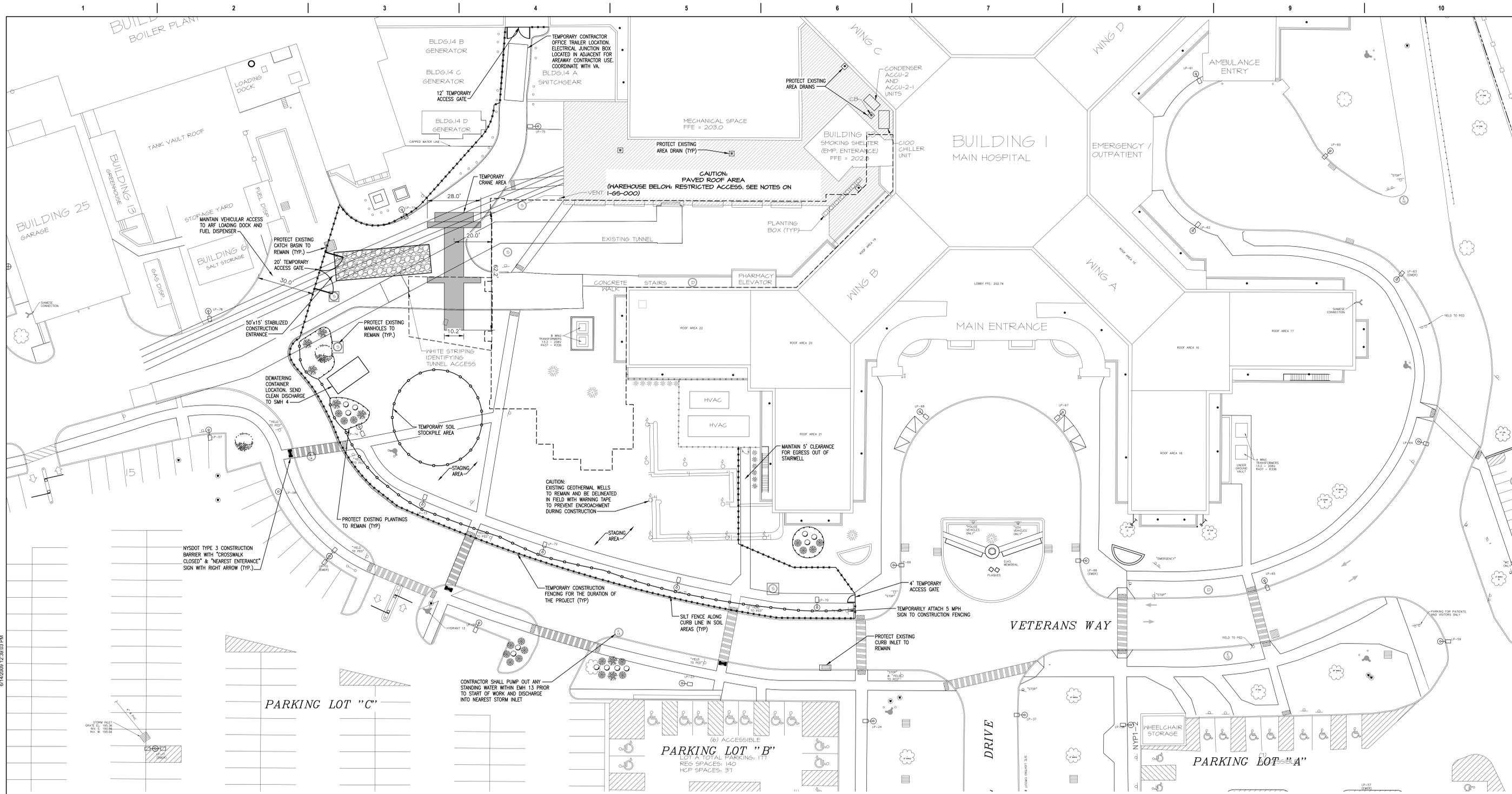
Office of Construction and Facilities Management, VA U.S. Department of Veterans Affairs

Drawing Title: SITE PLAN NOTES AND LEGEND, Approved: Project Director

Phase: 100% FOR BID, FULLY SPRINKLERED

Project Title: STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT, Location: ALBANY, NY, Issue Date: MARCH 18, 2022, Checked: JDF, Drawn: SRB

Project Number: 528-809, Building Number: 1, Drawing Number: 1-GS-000

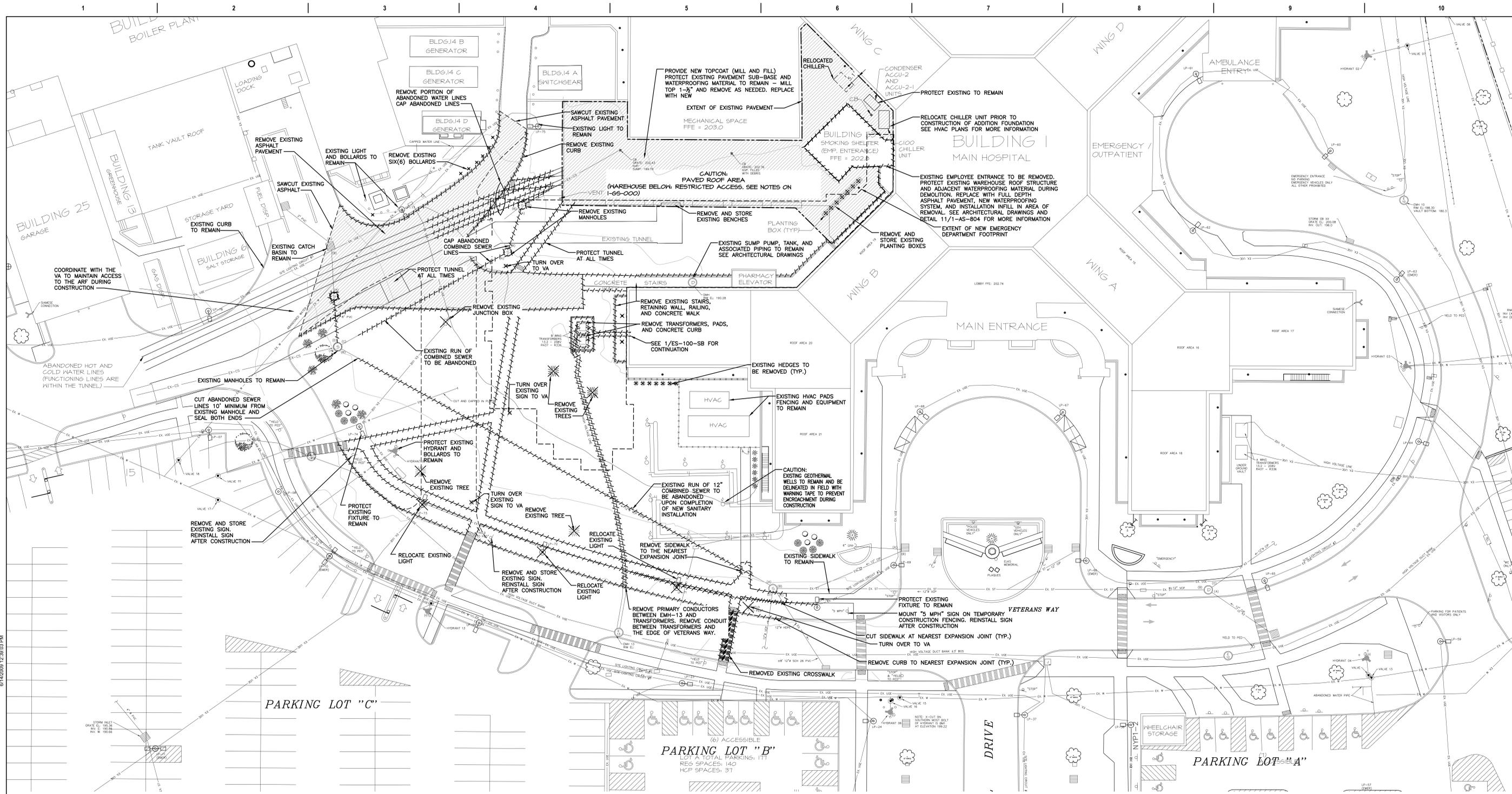


1 EROSION AND SEDIMENT CONTROL PLAN
1"=20'

- NOTES:**
1. PROTECT ALL EXISTING STRUCTURES, UTILITIES, AND LANDSCAPING TO REMAIN DURING CONSTRUCTION. PROTECT NEWLY INSTALLED STRUCTURES - UTILITIES, AND LANDSCAPING THROUGHOUT CONSTRUCTION UNTIL COMPLETION. SEE EROSION AND SEDIMENT CONTROL NOTES ON 1-GS-000 FOR ADDITIONAL INFORMATION.
 2. CONTRACTOR SHALL COORDINATE WITH THE VA DEMOLITION AND INSTALLATION OF CONCRETE CURB ALONG VETERANS WAY AND PROVIDE SAFETY BARRIERS, SIGNAGE AND FLAGMEN AS NEEDED FOR TRAFFIC MANAGEMENT DURING CONSTRUCTION.
 3. SCRUBBERS TO BE INSTALLED ON ALL MACHINERY WITHIN 25' OF THE PHARMACY AIR HANDLERS.

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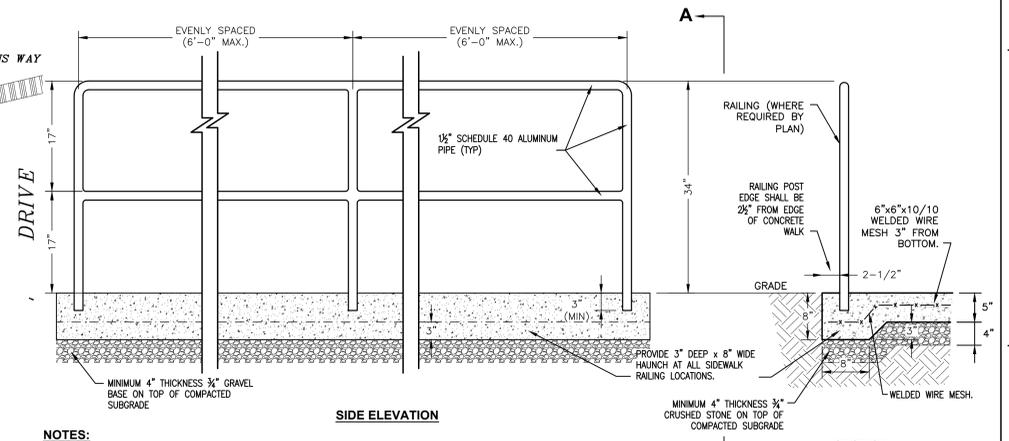
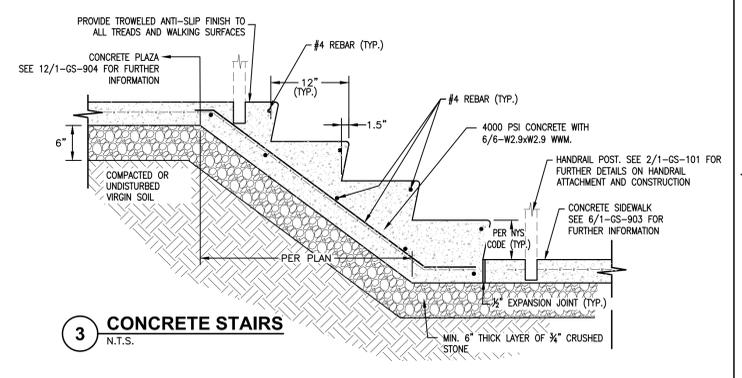
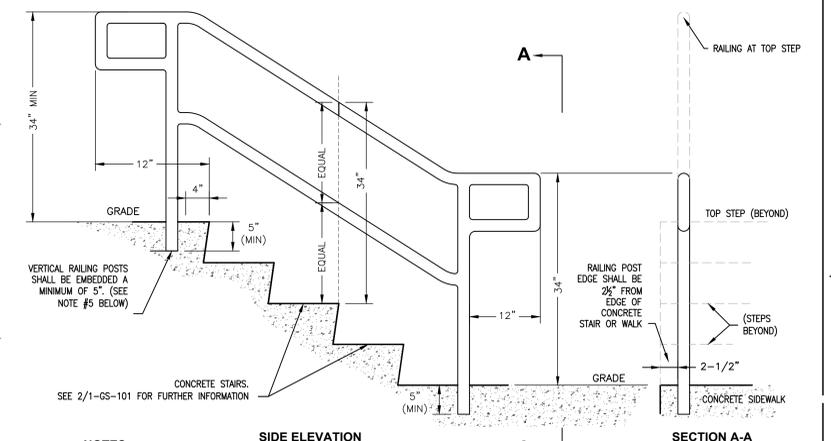
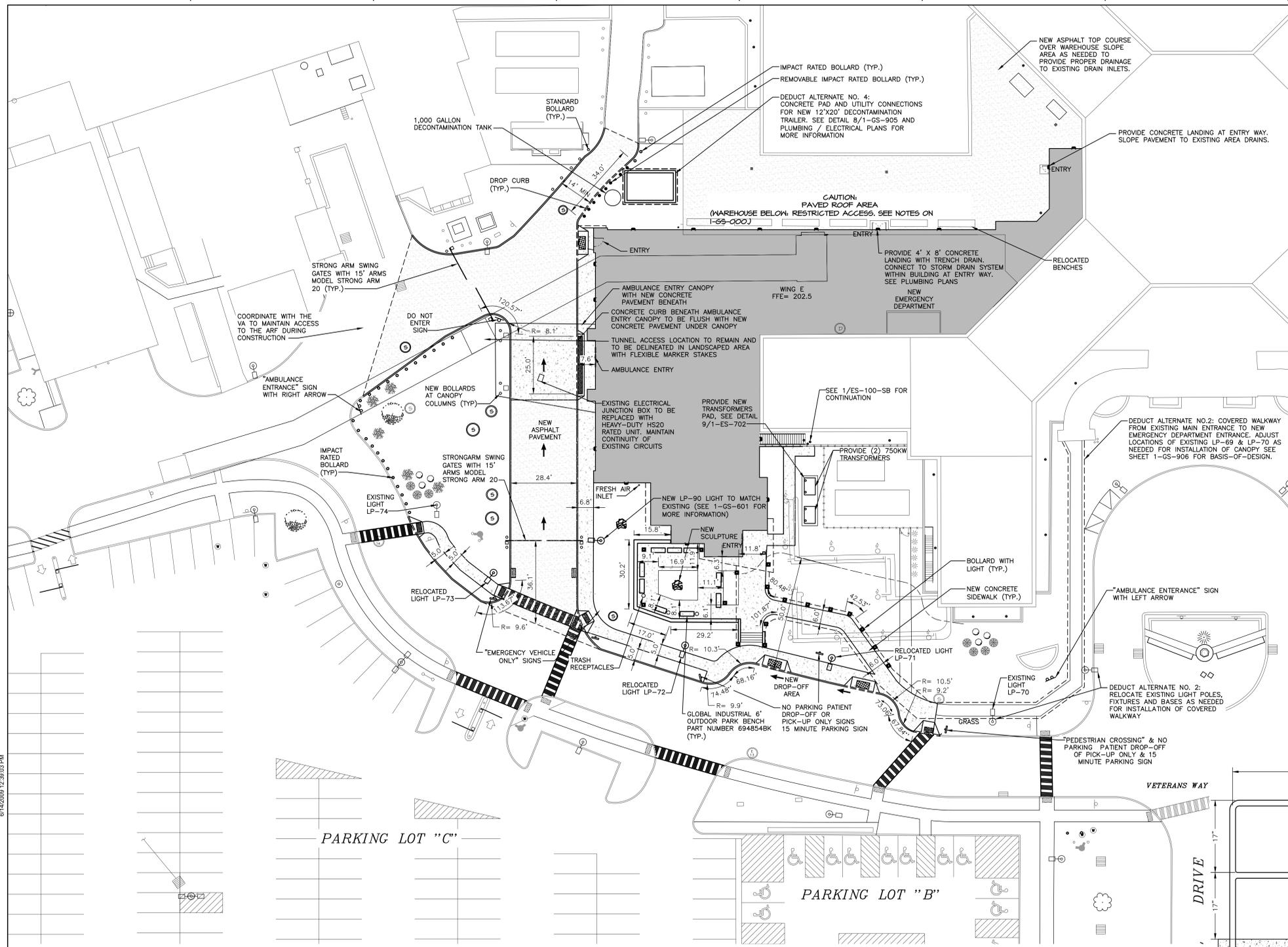


1 DEMOLITION PLAN
1"=20'

- NOTES:**
1. SIGNS WITHIN THE CONSTRUCTION AREA THAT ARE NOT BEING REUSED SHALL BE TURNED OVER TO THE VA
 2. DETERMINE IF UNDERGROUND ELECTRIC BETWEEN EXISTING LIGHT POLES 70-74 IS WITHIN CONDUIT AND EVALUATE THE CONDUIT FOR REUSE. REMOVE AND REPLACE AS NECESSARY. FOR INSTALLATION OF RELOCATED LIGHTS IF THE UNDERGROUND ELECTRIC DOES NOT HAVE CONDUIT, REMOVE AND REPLACE THE WHOLE LENGTH OF UNDERGROUND ELECTRIC. THE UNDERGROUND ELECTRIC BETWEEN LIGHT POLES 70 TO 71 AND LIGHT POLES 73 TO 74 IS TO BE REMOVED ENTIRELY

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Revisions: _____ Date: _____		22 Mulberry St., Suite 2A, Middletown, NY 10940 1845-343-1481; fx 855-320-8735		181 Church St., Suite 100, Poughkeepsie, NY 12601 1845-454-9704; fx 855-320-8735		MARCH 18, 2022 Checked: JDF Drawn: SRB			



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Revisions:	Date:

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STAMP

JOHN D. FELLENER, P.E.

NY PROFESSIONAL ENGINEER
NO. 069373-1

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
SITE PLAN CONSTRUCTION PLAN

Approved: Project Director

Phase
100% FOR BID

FULLY SPRINKLERED

Project Title
STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT

Location
ALBANY, NY

Issue Date
MARCH 18, 2022

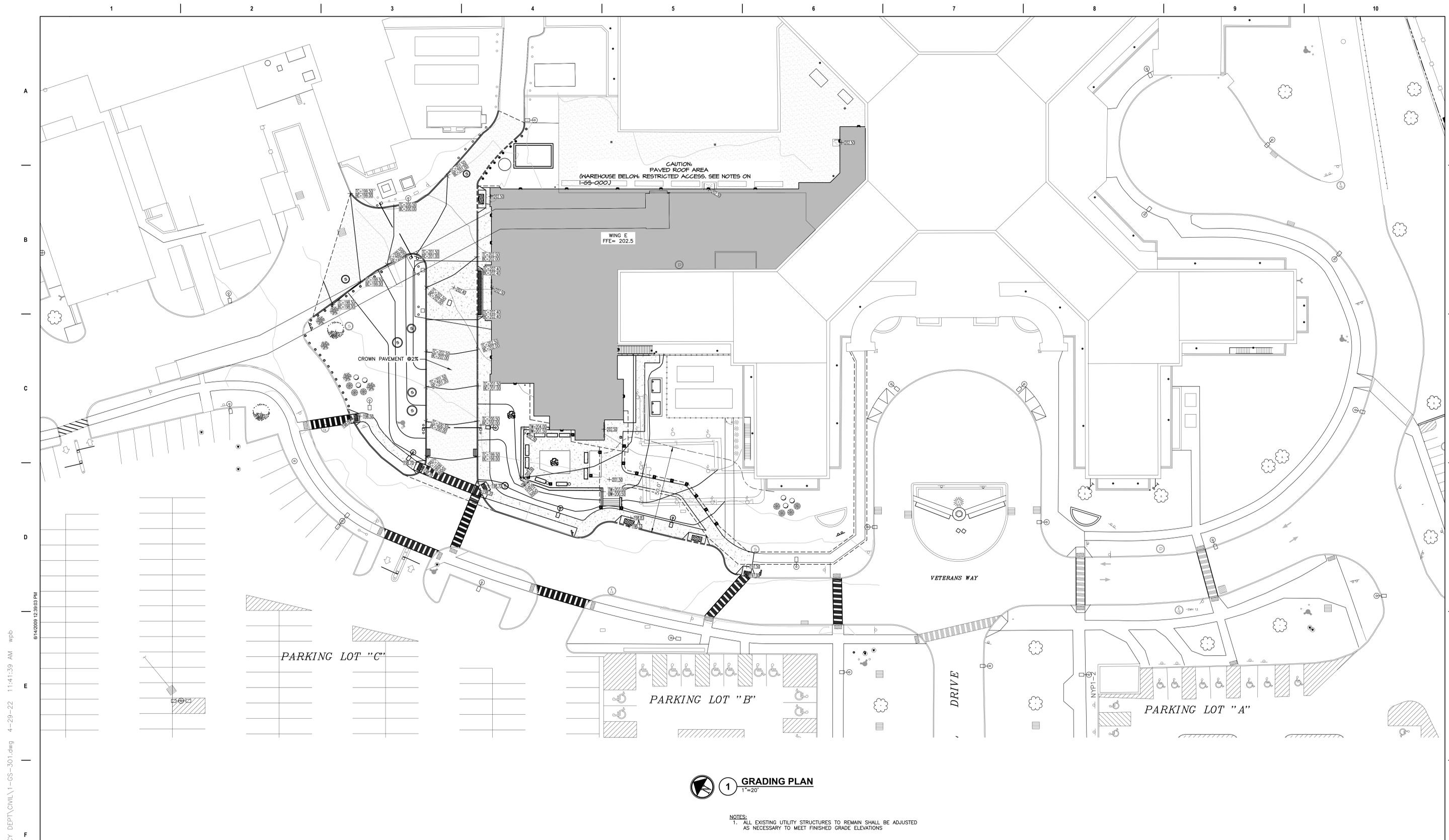
Checked
JDF

Drawn
SRB

Project Number
528-809

Building Number
1

Drawing Number
1-GS-101



1 GRADING PLAN
1"=20'

NOTES:
1. ALL EXISTING UTILITY STRUCTURES TO REMAIN SHALL BE ADJUSTED AS NECESSARY TO MEET FINISHED GRADE ELEVATIONS

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Revisions: Date:	CONSULTANT HYMAN HAYES ASSOCIATES HHA <small>800 TROY SCHNECKADY ROAD, STE 103 LARANA, NY 12110 (518) 452-3470 www.hymanhayes.com</small>	ARCHITECT/ENGINEER OF RECORD FELLENZER III ENGINEERING LLP <small>FE PROJECT NO: 19-181 www.felip.com</small> <small>22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481; f 855-320-8735</small>	STAMP JOHN D. FELLENER, P.E. NY PROFESSIONAL ENGINEER NO. 069373-1	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title SITE PLAN: GRADING PLAN Approved: Project Director	Phase 100% FOR BID FULLY SPRINKLERED	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT Location ALBANY, NY	Project Number 528-809 Building Number 1 Drawing Number 1-GS-301
	Issue Date MARCH 18, 2022	Checked JDF	Drawn SRB					



D-Series Size 0 LED Area Luminaire

DSXO-P6-40K-T4M-MVOLT
SPUMBA-DBDX

Specifications:
 EPA: 0.95 ft
 Length: 36"
 Width: 13"
 Height: 3"
 Weight: 7"
 Weight (max): 1.6 lbs

Introduction:
 The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficiency, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSXO LED P6 40K T3M MVOLT SPA NLTAR2 PIRHN DBDX

Series	LEDs	Color Temperature	Distribution	Wattage	Mounting	Shipped Included
DSXO LED	Forward optics P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12	3000K 4000K 5000K	T15 Type I beam (Narrow beam) T25 Type II beam T35 Type III beam T45 Type IV beam T55 Type V beam T65 Type VI beam T75 Type VII beam T85 Type VIII beam T95 Type IX beam T105 Type X beam	15W 20W 30W 40W 50W 60W 70W 80W 90W 100W	Wall Pole Recessed Surface Track Flush Semi-recessed Surface Track Flush Semi-recessed	SPMA Square pole mounting RPA Round pole mounting WBA Wall bracket SPMBA Square pole universal mounting adaptor RPMBA Round pole universal mounting adaptor

CLBOLED

Columbia LED Series: Cast Aluminum Bollard

General Description:
 The Columbia is a decorative bollard which provides a fully integrated LED solution to complement the full line of decorative poles by transitioning seamlessly from the street to pedestrian walkways. While maintaining the period style, the electronics are engineered to provide energy efficient lighting and minimize maintenance components. The bollard offers superior finish through the application of a polyester powder coat finish. Intended use: Bollard for city streetscapes, public areas and parks, higher education campuses, paths and walkways.

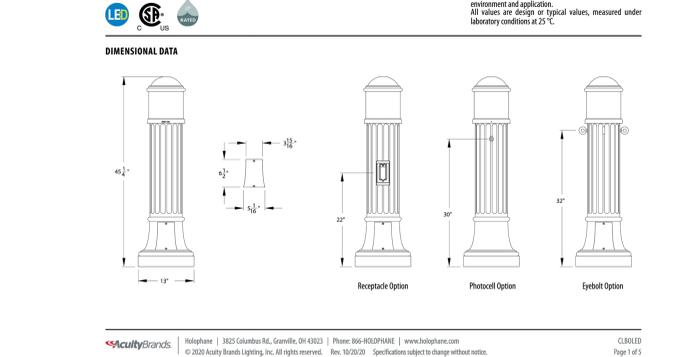
Mechanical Specifications:
 The luminaire housing shall:
 - Be heavy grade A356.1 cast aluminum (aluminum with <1% copper)
 - Use location listing
 - One piece casting with a removable top
 - Optical assembly is secured inside the shaft
 - All welding shall be per AWS D12.90
 - All welds shall be certified per Section 5 of AWS D12.90
 - (6) 1/4" diameter by 18" long hot dip galvanized L-type anchor bolts are provided and are to be installed on a 18" x 4.5" field adjustable output to adjust output to luminaire - AO
 - Access door opening for anchor bolts and wiring access is 18" x 4.5"
 - Optional field or factory installed hot dip galvanized direct burial base for mounting without a concrete footing
 - The finish shall:
 - Meet 2000-hour salt spray
 - Offer fiber optic finishes that are applied by a Type Dykic-certified facility

Electrical Specifications:
 The driver shall meet the following requirements:
 - Certified by UL or CSA for wet locations
 - A factory programmable electronic driver with 0-10V dimming
 - LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K and 4000K CRI
 - The electrical system shall be designed to meet ANSI/IEEE C82.1-2 and shall offer a 20KV/50A surge protection. Fall off as standard with an optional 20KV/50A surge protection. Fall off with indicator lights, optional
 - Optional GFI receptacle with wet-location cover, not CSA listed

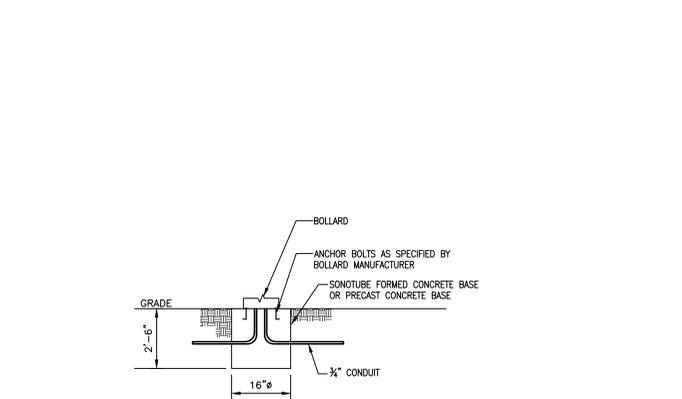
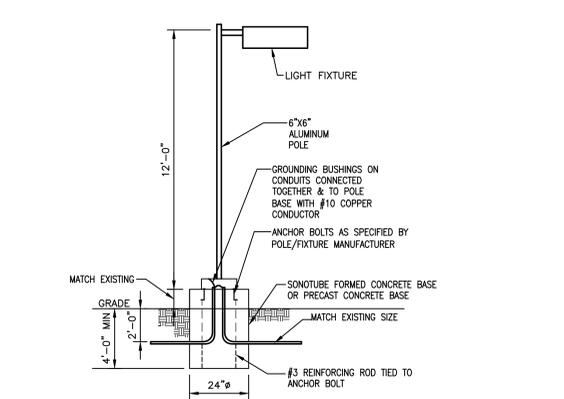
Optical Specifications:
 - IP65 light engine
 - Type 5 distribution with a smooth white acrylic outer lens
 - Type 5 distribution with either a white or semi-transparent lower and a acrylic smooth white acrylic outer lens
 - Type 3 or 5 distribution with prismatic borosilicate glass and a smooth clear acrylic outer lens

Control Options:
 The control options shall include, but not limited to, the following:
 - Field adjustable output to adjust output to luminaire - AO
 - Return single photo-cast
 - Access door opening for anchor bolts and wiring access is 18" x 4.5"
 - Optional field or factory installed hot dip galvanized direct burial base for mounting without a concrete footing
 - The finish shall:
 - Meet 2000-hour salt spray
 - Offer fiber optic finishes that are applied by a Type Dykic-certified facility

Warranty:
 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions
 Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.



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SCHEDULE: SITE LIGHTING

SYMBOL	LABEL	QTY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
⊠	A	18	HOLOPHANE	CLBOLED P10 40K xxxxx N105 AWS	COLUMBIA LED BOLLARD, P10 PERFORMANCE PACKAGE, 4000K, NO INTERNAL REFLECTOR, TYPE 5, ACRYLIC WHITE SMOOTH TRANSLUCENT LENS 3.5" HEIGHT 12 WATTS
⊕	B	1	LITHONIA LIGHTING	LUMINAIRE: DSXO-LED-P6-40K-T4M-MVOLT-SPUMBA-DBDX POLE: SSS-6-A-12-S-F-M-2	BASIS OF DESIGN TO MATCH EXISTING FIXTURES 12" TALL LITHONIA LED, 4000K TYPE 4 MEDIUM, 120/277V DARK BRONZE, 134 WATTS 208V/1Ø LIGHTS SHALL BE CONNECTED TO AN EXISTING 208V/3Ø CIRCUIT CONTRACTOR SHALL METER PHASES OF EXISTING CIRCUIT AND CONNECT NEW LIGHTS AS NECESSARY TO BALANCE THE PHASES.

1 LIGHTING PLAN
1"=20'

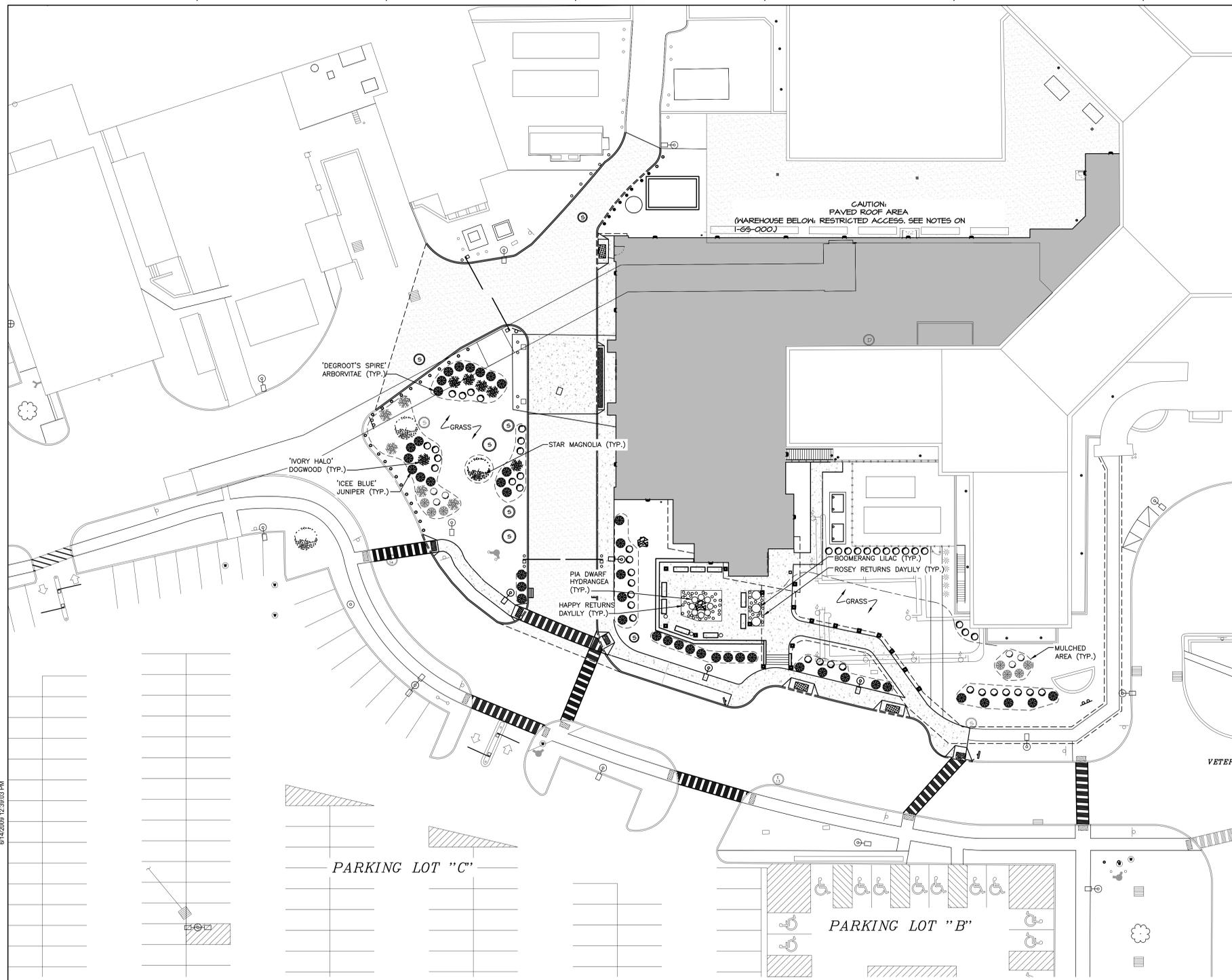
NOTES:
 1. CONTRACTOR TO PROVIDE TEMPORARY SITE LIGHTING FOR ALL AREAS WHERE LIGHTING IS OUT UNTIL WORK IS COMPLETE. THIS INCLUDES AREAS OUTSIDE THE AREA OF WORK FOR ENTIRE HOSPITAL.
 2. SEE 1/1-GS-201 FOR CIRCUITING OF SITE LIGHTING FIXTURES

DESCRIPTION	SYMBOL	AVG MIN REQUIRED	AVG PROVIDED
AMBULANCE ENTRANCE	⊠	0.8 fc	4.6 fc
ROADWAY	⊕	0.8 fc	2.3 fc
WALKWAY	⊗	1.0 fc	6.2 fc
WALKWAY 2	⊗	1.0 fc	4.8 fc

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				Approved: Project Director	Location ALBANY, NY	Issue Date MARCH 18, 2022	Checked JDF

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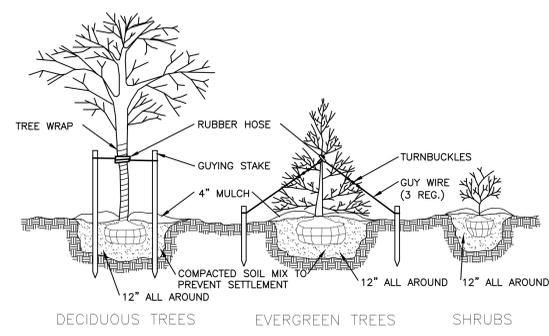
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PLANTING SCHEDULE						
SYMBOL	BOTANICAL NAME	COMMON NAME	TYPE	QUANTITY	MATURE HT.	MATURE SPREAD
⊙	THUJA OCCIDENTALIS 'DEGROOT'S SPIRE'	'DEGROOT'S SPIRE' ARBORVITAE	CONIFEROUS TREE	46	10'	3'
⊙	CORNUS ALBA BALHALG	'IVORY HALO' DOGWOOD	DECIDUOUS SHRUB	6	5-6'	5-6'
⊙	JUNIPERUS HORIZONTALIS	'ICEE BLUE' JUNIPER	EVERGREEN SHRUB	44	4"	4'
⊙	MAGNOLIA STELLATA	STAR MAGNOLIA	DECIDUOUS	1	15-20'	10-15'
○	HEMEROCALLIS	HAPPY RETURNS DAYLILY	PERENNIALS	30	2'-3'	2'-3'
○	HYDRANGEA MACROPHYLLA	PIA DWARF HYDRANGEA	DECIDUOUS SHRUB	8	2'-2.5'	2'-2.5'
○	SYRINGA	BOOMERANG LILAC	DECIDUOUS SHRUB	3	3.5'-4'	4'-5'
○	HEMEROCALLIS	ROSEY RETURNS DAYLILY	PERENNIALS	15	2'-3'	2'-3'

PLANT & TREE SIZES
 PLANT SIZES ARE THE MINIMUM SIZE REQUIRED AT TIME OF INSTALLATION

- A. DECIDUOUS TREE: CALIPER OF 2.5 INCHES
- B. CONIFEROUS TREE: SIX FEET HEIGHT.
- C. DECIDUOUS SHRUBS: 24" SPREAD OR HEIGHT OR 3 GALLON CONTAINER.
- D. EVERGREEN SHRUBS: 18" SPREAD OR HEIGHT OR 3 GALLON CONTAINER.



2 PLANTING AND GUYING DETAIL
 N.T.S.

NOTES:
 1. PLACE FABRIC BARRIER BETWEEN MULCH AND COMPACTED SOIL MIX TO PREVENT WEED GROWTH IN AREAS WHERE ICEE BLUE JUNIPERS ARE SPECIFIED.

1 LANDSCAPING PLAN
 1"=20'

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ASPHALT TESTING NOTES:

- THE ASPHALT CONCRETE PAVING EQUIPMENT, WEATHER LIMITATIONS, JOB MIX FORMULA, MIXING, CONSTRUCTION METHODS, COMPACTION, FINISHING, TOLERANCE, AND PROTECTION SHALL CONFORM TO THE REQUIREMENTS OF THE APPROPRIATE SECTIONS OF THE STATE HIGHWAY SPECIFICATIONS FOR THE TYPE OF MATERIAL SPECIFIED.
- PROVIDE HOT PLANT-MIXED ASPHALTIC CONCRETE PAVING MATERIALS.
 - TEMPERATURE LEAVING THE PLANT: 143 DEGREES C(290 DEGREES F) MINIMUM, 160 DEGREES C(320 DEGREES F) MAXIMUM.
 - TEMPERATURE AT TIME OF PLACING: 138 DEGREES C(280 DEGREES F) MINIMUM.
- SHAPE TO LINE AND GRADE AND COMPACT WITH SELF-PROPELLED ROLLERS.
- ALL DEPRESSIONS THAT DEVELOP UNDER ROLLING SHALL BE FILLED WITH ACCEPTABLE MATERIAL AND THE AREA RE-ROLLED.
- SOFT AREAS SHALL BE REMOVED AND FILLED WITH ACCEPTABLE MATERIALS AND THE AREA RE-ROLLED.
- SHOULD THE SUBGRADE BECOME RUTTED OR DISPLACED PRIOR TO THE PLACING OF THE SUBBASE, IT SHALL BE REWORKED TO BRING TO LINE AND GRADE.
- PROOF-ROLL THE SUBGRADE WITH MAXIMUM 45 TONNE (50 TON) GROSS WEIGHT DUMP TRUCK AS DIRECTED BY VA RESIDENT ENGINEER OR VA CONTRACTING OFFICER. IF PUMPING, PUSHING, OR OTHER MOVEMENT IS OBSERVED, REWORK THE AREA TO PROVIDE A STABLE AND COMPACTED SUBGRADE.
- SUBASE (WHEN REQUIRED)
 - SPREAD AND COMPACT TO THE THICKNESS SHOWN ON THE DRAWINGS.
 - ROLLING SHALL BEGIN AT THE SIDES AND CONTINUE TOWARD THE CENTER AND SHALL CONTINUE UNTIL THERE IS NO MOVEMENT AHEAD OF THE ROLLER.
 - AFTER COMPLETION OF THE SUBBASE ROLLING THERE SHALL BE NO HAULING OVER THE SUBBASE OTHER THAN THE DELIVERY OF MATERIAL FOR THE TOP COURSE.
- BASE
 - SPREAD AND COMPACT TO THE THICKNESS SHOWN ON THE DRAWINGS.
 - ROLLING SHALL BEGIN AT THE SIDES AND CONTINUE TOWARD THE CENTER AND SHALL CONTINUE UNTIL THERE IS NO MOVEMENT AHEAD OF THE ROLLER.
 - AFTER COMPLETION OF THE BASE ROLLING THERE SHALL BE NO HAULING OVER THE BASE OTHER THAN THE DELIVERY OF MATERIAL FOR THE TOP COURSE.
- THICKNESS TOLERANCE: PROVIDE THE COMPACTED THICKNESSES SHOWN ON THE DRAWINGS WITHIN A TOLERANCE OF MINUS 0.0MM (0.0") TO PLUS 12.7MM (0.5").
- SMOOTHNESS TOLERANCE: PROVIDE THE LINES AND GRADES SHOWN ON THE DRAWINGS WITHIN A TOLERANCE OF 5MM IN 3M (3/16 INCH IN TEN FEET).
- MOISTURE CONTENT: USE ONLY THE AMOUNT OF MOISTURE NEEDED TO ACHIEVE THE SPECIFIED COMPACTION.
- REMOVE ALL LOOSE MATERIALS FROM THE COMPACTED BASE.
- APPLY THE SPECIFIED PRIME COAT, AND TACK COAT WHERE REQUIRED, AND ALLOW TO DRY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE ARCHITECT OR ENGINEER.
 - RECEIPT OF ASPHALTIC CONCRETE MATERIALS DO NOT ACCEPT MATERIALS UNLESS IT IS COVERED WITH A TARPULIN UNTIL UNLOADED, AND UNLESS THE MATERIAL HAS A TEMPERATURE OF NOT LESS THAN 130 DEGREES C(280 DEGREES F).
 - DO NOT COMMENCE PLACEMENT OF ASPHALTIC CONCRETE MATERIALS WHEN THE ATMOSPHERIC TEMPERATURE IS BELOW 10 DEGREES C(50 DEGREES F), NOT DURING FOG, RAIN, OR OTHER UNSUITABLE CONDITIONS.
- SPREADING:
 - SPREAD MATERIAL IN A MANNER THAT REQUIRES THE LEAST HANDLING.
 - WHERE THICKNESS OF FINISHED PAVING WILL BE 76MM (3") OR LESS, SPREAD IN ONE LAYER.
- ROLLING:
 - AFTER THE MATERIAL HAS BEEN SPREAD TO THE PROPER DEPTH, ROLL UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THE THICKNESS AND ELEVATIONS SHOWN ON THE DRAWINGS.
 - ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
 - FINISHED PAVING SMOOTHNESS TOLERANCE:
 - NO DEPRESSIONS WHICH WILL RETAIN STANDING WATER
 - NO DEVIATION GREATER THAN 3MM IN 1.8M (1/8" IN SIX FEET).
- PREPARE THE SURFACES, MIX THE SEAL COAT MATERIAL, AND APPLY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS APPROVED BY THE ARCHITECT OR ENGINEER.
- ACHIEVE A FINISHED SURFACE SEAL WHICH, WHEN DRY AND THOROUGHLY SET, IS SMOOTH, TOUGH, RESILIENT, OF UNIFORM BLACK COLOR, AND FREE FROM COARSE TEXTURED AREAS, LAP MARKS, RIDGES, AND OTHER SURFACE IRREGULARITIES.
- WHEN SEALING NEW ASPHALT PAVING WAIT AN ENTIRE YEAR TO ALLOW FOR THE EXPANSION AND CONTRACTION OF A YEAR'S CYCLE OF BOTH WARM AND COOL TEMPERATURES. THIS ALLOWS FOR THE ASPHALT'S OILS TO PROPERLY CURE AND BEGIN OXIDATION BEFORE APPLYING A SEAL COAT.
- WHEN SEAL COATING IN LESS THAN A YEAR APPLY TWO COATS, SPRAY APPLIED. THIS APPLICATION METHOD IS PREFERRED FOR LESS THAN A YEAR APPLICATION WHEN THERE IS STILL PLENTY OF ASPHALT CEMENT PRESENT FOR THE SEAL COAT TO BOND TO.
- WHEN SEAL COATING EXISTING PAVING THAT HAS NEW ASPHALT PATCHES, APPLY TWO COATS SPRAYED TO THE EXISTING ASPHALT AND A SINGLE LIGHTER COAT ON NEW PATCH WORK, JUST ENOUGH TO MAKE THE COLOR OF THE NEW PATCHES MATCH THE REST OF THE RESEAL COATED PAVING.
- WHEN RESEALING EXISTING PAVING 5, 10, 15 YEARS AND OLDER, THAT IS OXIDIZED AND IS VERY LIGHT IN COLOR, SQUEEGEE APPLY THE FIRST COAT OF SEAL COAT AND SPRAY ON A SECOND COAT. TWO COATS ARE PREFERRED IN OLDER PAVING WHEN THE ASPHALT CEMENT HAS OXIDIZED LEAVING THE SEAL COAT WITH NOTHING TO BOND TO OTHER THAN THE AGGREGATE THAT IN MANY CASES HAS POLISHED OVER TIME LEAVING LESS THAN A DESIRABLE SURFACE TO BOND TO.
- PROTECT THE ASPHALTIC CONCRETE PAVED AREAS FROM TRAFFIC UNTIL THE SEALER IS SET AND CURED AND DOES NOT PICK UP UNDER FOOT OR WHEELED TRAFFIC.
- REMOVE ALL DEBRIS, RUBBISH, AND EXCESS MATERIAL FROM THE WORK AREA.

SANITARY TESTING NOTES:

- INSPECT, THOROUGHLY FLUSH OUT THE LINES AND MANHOLES BEFORE INSPECTION. LAMP TEST BETWEEN STRUCTURES AND SHOW FLOW BURE INDICATING SEWER IS TRUE TO LINE AND GRADE. LIPS AT JOINTS ON THE INSIDE OF GRAVITY SEWER LINES ARE NOT ACCEPTABLE.
 - SUBMIT SEPARATE REPORT FOR EACH SYSTEM INSPECTION
 - DEFECTS REQUIRING CORRECTION INCLUDE THE FOLLOWING:
 - ALIGNMENT: LESS THAN FULL DIAMETER OF INSIDE OF PIPE IS VISIBLE BETWEEN STRUCTURES.
 - DEFLECTION: FLEXIBLE PIPING WITH DEFLECTION THAT PREVENTS PASSAGE OF BALL OR CYLINDER OF SIZE NOT LESS THAN 92.5 PERCENT OF PIPING DIAMETER.
 - DAMAGE: CRUSHED, BROKEN, CRACKED, OR OTHERWISE DAMAGED PIPING.
 - INFILTRATION: WATER LEAKAGE INTO PIPING.
 - INFILTRATION: WATER LEAKAGE FROM OR AROUND PIPING.
 - REPLACE DEFECTIVE PIPING USING NEW MATERIALS, AND REPEAT INSPECTIONS UNTIL DEFECTS ARE WITHIN ALLOWANCES SPECIFIED.
 - RE-INSPECT AND REPEAT PROCEDURE UNTIL RESULTS ARE SATISFACTORY.
- AIR TESTS: TEST SANITARY SEWERAGE ACCORDING TO REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND THE FOLLOWING:
 - TEST PLASTIC GRAVITY SEWER PIPING ACCORDING TO ASTM F1417.
 - CLEAN AND ISOLATE THE SECTION OF SEWER LINE TO BE TESTED. PLUG OR CAP THE ENDS OF ALL BRANCHES, LATERALS, TEES, WYES, AND STUBS TO BE INCLUDED IN THE TEST TO PREVENT AIR LEAKAGE. THE LINE SHALL BE PRESSURIZED TO 4 PSI (28 KPA) AND ALLOWED TO STABILIZE. AFTER PRESSURE STABILIZATION, THE PRESSURE SHALL BE DROPPED TO 3.5 PSI (24 KPA) GREATER THAN THE AVERAGE BACK-PRESSURE OF ANY GROUNDWATER ABOVE THE SEWER.
 - TESTING OF CONCRETE WET WELL SHALL SHOW NO LEAKAGE WITH THE WET WELL COMPLETELY FILLED WITH WATER FOR A DURATION OF 4 HOURS.
- MANHOLES: ALL TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, THE LATEST EDITION OF THE RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES, AND ASTM C 969 TO THE SATISFACTION OF THE VA.
 - PRIOR TO THE TEST, ALL PIPES IN THE NEW MANHOLE TO BE TESTED SHALL BE PLUGGED. PLUGS SHALL BE INSTALLED IN THE PRESENCE OF THE ENGINEER
 - THE MANHOLE SHALL BE FILLED WITH WATER TO A LEVEL NOT LESS THAN 24 INCHES ABOVE THE EXTERIOR CROWN OF THE UPSTREAM PIPE OR ABOVE THE NORMAL GROUNDWATER LEVEL WHICHEVER IS HIGHER
 - A ONE (1) HOUR STABILIZATION PERIOD WILL BE PERMITTED TO ALLOW FOR WATER ABSORPTION BY THE MANHOLE. THIS STABILIZATION PERIOD MAY BE EXTENDED WITH THE PERMISSION OF THE ENGINEER. WATER SHALL NOT BE ALLOWED TO REMAIN IN THE MANHOLE OVERNIGHT. SHOULD THE WATER LEVEL DURING THE STABILIZATION PERIOD DROP BELOW THE TEST LEVEL AS SPECIFIED ABOVE, THE CONTRACTOR, IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE SHALL ADD MAKE-UP WATER FOR WATER LOST DURING THE STABILIZATION PERIOD TO INCREASE THE WATER LEVEL TO THE REQUIRED HEIGHT FOR THE TEST.
 - THE ACTUAL TEST PERIOD SHALL BEGIN FOLLOWING THE STABILIZATION PERIOD. ADDITION OF MAKE-UP WATER WILL NOT BE ALLOWED ONCE THE TEST HAS BEGUN. ANY DEVIATION FROM THE AFOREMENTIONED WILL VOID THE TEST.
 - THE TEST BE CONDUCTED FOR A PERIOD OF FIVE (5) HOURS. THE ENGINEER OR HIS REPRESENTATIVE WILL TAKE THREE (3) READINGS OF THE WATER LEVEL AT THE BEGINNING OF THE TEST PERIOD, AND ANOTHER THREE (3) READINGS OF THE WATER LEVEL AT THE END OF THE TEST PERIOD. THE AVERAGE OF THE READINGS WILL BE USED BY THE ENGINEER TO CALCULATE THE LEAKAGE QUANTITY.
 - THE MAXIMUM ALLOWABLE QUANTITY OF INFILTRATION FROM ANY MANHOLE UNDER TEST SHALL NOT EXCEED 1/2 GAL PER 12 INCHES DIAMETER OF MANHOLE PER 12 INCHES OF WATER DEPTH MEASURED FROM THE INVERT OF THE DOWNSTREAM PIPE PER TWENTY-FOUR (24) HOURS.
 - SHOULD THE MANHOLE FAIL TO MEET THE LEAKAGE CRITERIA, THE CONTRACTOR SHALL AT NO COST TO THE FEDERAL GOVERNMENT, LOCATE THE LEAKS AND REPAIR THE MANHOLE, AS NECESSARY, UNTIL THE LEAKAGE IS WITHIN THE PERMITTED ALLOWANCE.
 - REGARDLESS OF THE RESULTS OF THE INFILTRATION TEST, IT IS REQUIRED THAT ALL VISIBLE LEAKS BE REPAIRED.
 - THE INJECTION OF GEL SEALANT, OR ANY OTHER PRODUCT TO SEAL CRACKS, POROUS SECTION, OR ANY OTHER STRUCTURAL DEFECT OF THE PIPE OR MANHOLE WILL NOT BE PERMITTED.
 - ALL TESTS AND REPAIRS SHALL BE REPEATED AS MANY TIMES AS NECESSARY, AT NO COST TO THE FEDERAL GOVERNMENT, UNTIL THE REQUIREMENTS HEREBEFORE SPECIFIED HAVE BEEN MET.

SEED MIXTURES FOR TEMPORARY STABILIZATION
SLOPES AND BANKS (UNMOWED)

	SPECIES	LBS / ACRE
NURSE CROP	SPRING OATS(SPRING), OR ANNUAL RYEGRASS (SPRING OR FALL), OR WINTER WHEAT(FALL), OR WINTER RYE (FALL)	64
	TALL FESCUE, OR FINE FESCUE, OR KENTUCKY BLUEGRASS, OR PLUS REDTOP 4, OR PERENNIAL RYEGRASS	10
		90
		56
SEED MIXTURE	TALL FESCUE, OR FINE FESCUE, OR KENTUCKY BLUEGRASS, OR PLUS REDTOP 4, OR PERENNIAL RYEGRASS	60
		35
		25
		3
	PERENNIAL RYEGRASS	15

PERMANENT STABILIZATION SEED MIXTURE

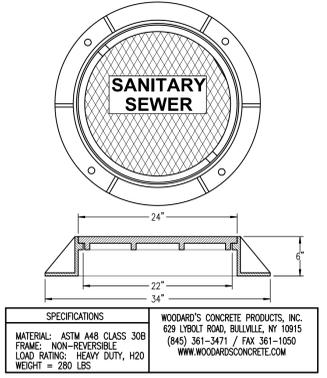
	SPECIES	LBS / ACRE
PERMANENT SEED MIXTURE	TALL FESCUE	44
	KENTUCKY BLUEGRASS	130
	PERENNIAL RYEGRASS	44

- PERMANENT SEEDING SCHEDULE:
- TOPSOIL SHALL BE SPREAD TO A COMPACTED UNIFORM THICKNESS OF 4".
 - TOPSOIL SURFACE SHALL BE FINELY GRADED AND LOOSENEED BY MECHANICAL RAKES TO ENSURE SEED ACCEPTANCE AND SEED TO SOIL CONTACT.
 - FERTILIZER SHALL BE APPLIED AT 6 LBS. OF 10-0-10 COMMERCIAL FERTILIZER/1000 SQ. FT.
 - SEEDING AREA SHALL BE COVERED WITH A MULCH OF STRAW OR HAY AT THE RATE OF 90 LBS. (APPROX. 2 BALES) PER 1,000 S.F. TO HELP MAINTAIN SOIL MOISTURE LEVEL.
 - LIGHTLY WATER SEED BED DAILY TO KEEP IT MOIST, WHILE TAKING CARE NOT TO SATURATE.
 - NEW GRASS SHALL NOT BE MOWED UNTIL IT HAS REACHED A MINIMUM HEIGHT OF 2"-2 1/2".
 - PRACTICE REGULAR MAINTENANCE & WATER REGULARLY AS CONDITIONS REQUIRE.

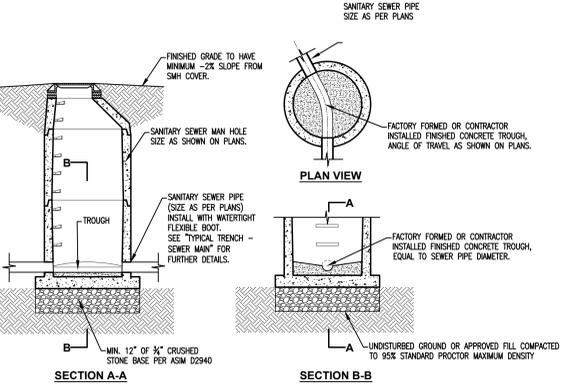
LAWN RESTORATION SCHEDULE & NOTES

	SPECIES	LBS / 1,000 SQFT
PERMANENT SEED MIXTURE	TALL FESCUE	1
	KENTUCKY BLUEGRASS	3
	PERENNIAL RYEGRASS	1

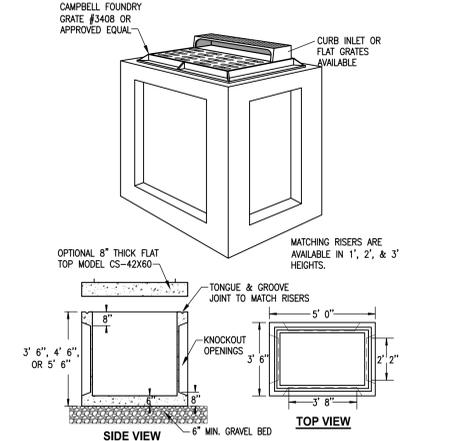
- NOTE: OPTIMUM PERMANENT SEEDING SCHEDULE: SPRING OR EARLY FALL
- REMOVE ALL DEBRIS (STICKS, STONES, ETC.) FROM AREA, AND PREPARE SOIL BY TILLING TO A 3"-4" DEPTH.
 - RAKE SURFACE LEVEL TO PREVENT WATER FROM POOLING IN ONE AREA. AREAS LOCATED ON A SLOPE SHALL BE RAKED PARALLEL WITH CONTOURS TO PREVENT MOISTURE RUN-OFF.
 - FERTILIZER SHALL BE APPLIED TO THE TILLED SOIL AT RATE OF 6 LBS. PER 1,000 sq.ft. FERTILIZER SHALL BE A COMMERCIAL 10-0-10 MIXTURE.
 - AREA SHALL BE LIGHTLY SPRAYED WITH WATER TO ALLOW SOIL TO SETTLE.
 - PERMANENT SEED MIXTURE SHALL BE SPREAD BY HAND, LAWN SPREADER OR MECHANICAL SEEDER (AS APPROPRIATE FOR SIZE OF AREA) AT A RATE OF 5 LBS. OF SEED MIXTURE PER 1,000 sq.ft. DO NOT OVERSEED, OR OVER CROWDING OF THE SEEDLINGS MAY OCCUR, AND HAMPER PROPER LAWN GROWTH.
 - LIGHTLY COVER SEEDING AREA WITH 1/2"-3/4" OF SOIL. (ROLLING OF SEEDBED TO PROMOTE SOIL TO SEED CONTACT IS OPTIONAL.) AND COVER WITH A MULCH OF HAY OR STRAW AT A RATE OF 90 LBS (APPROX. 2 BALES) PER 1,000 sq.ft.
 - SEEDING AREA SHALL BE COVERED WITH A MULCH OF STRAW OR HAY AT THE RATE OF 90 LBS. (APPROX. 2 BALES) PER 1,000 S.F. TO HELP MAINTAIN SOIL MOISTURE LEVEL.
 - LIGHTLY WATER SEED BED DAILY TO KEEP IT MOIST, WHILE TAKING CARE NOT TO SATURATE.
 - NEW GRASS SHALL NOT BE MOWED UNTIL IT HAS REACHED A MINIMUM HEIGHT OF 2"-2 1/2".
 - PRACTICE REGULAR MAINTENANCE & WATER REGULARLY AS CONDITIONS REQUIRE.



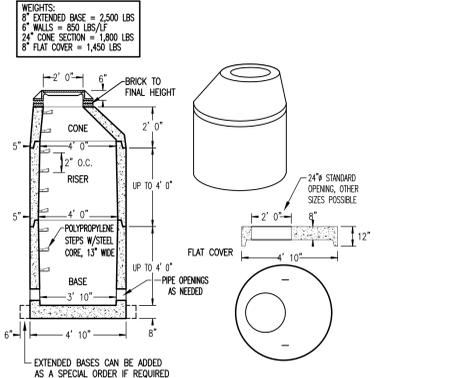
MODEL: MANHOLE-24 SEWER HEAVY DUTY CAST IRON FRAME & COVER
N.T.S.



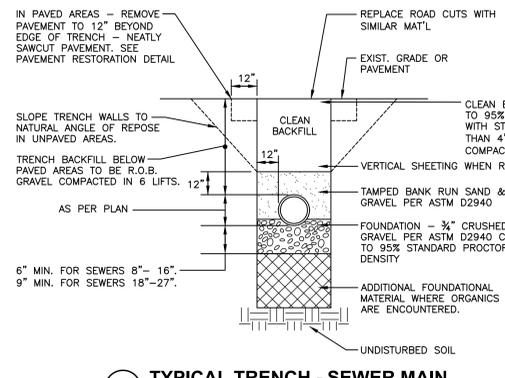
SEWER MANHOLE TYPICAL INSTALLATION DETAIL
N.T.S.



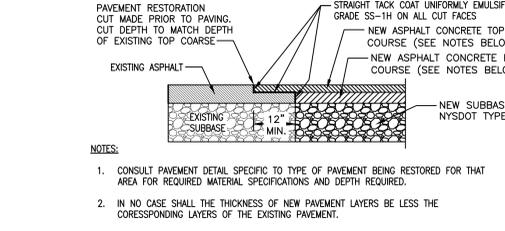
2 PRECAST CATCH BASIN MODEL CB-30x48
N.T.S.



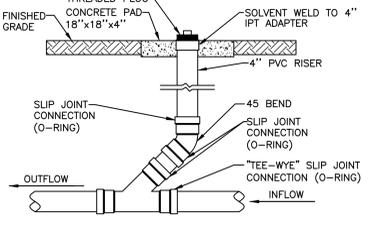
PRECAST CONCRETE - HEAVY DUTY 4' ID - MANHOLE BASE, RISER AND TOP
N.T.S.



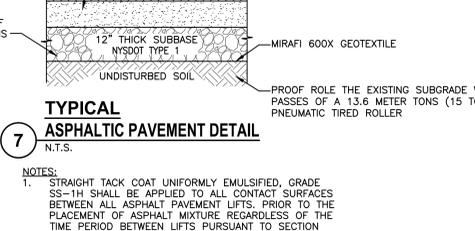
4 TYPICAL TRENCH - SEWER MAIN
N.T.S.



6 PAVEMENT RESTORATION DETAIL
N.T.S.



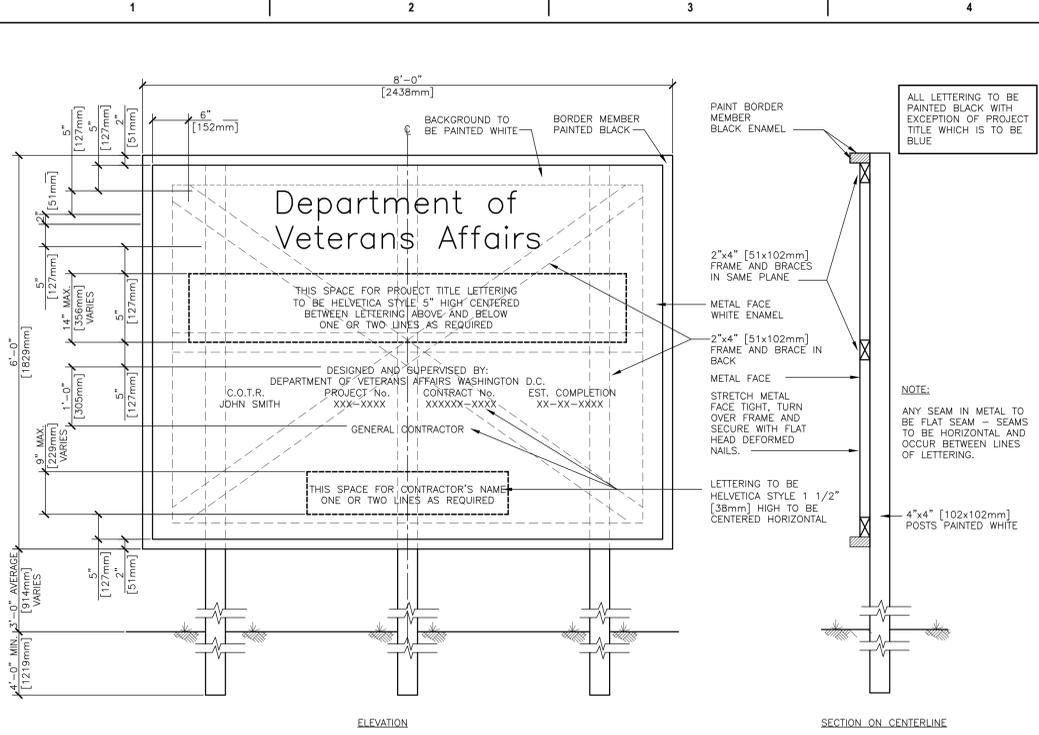
5 4" CLEANOUT DETAIL
N.T.S.



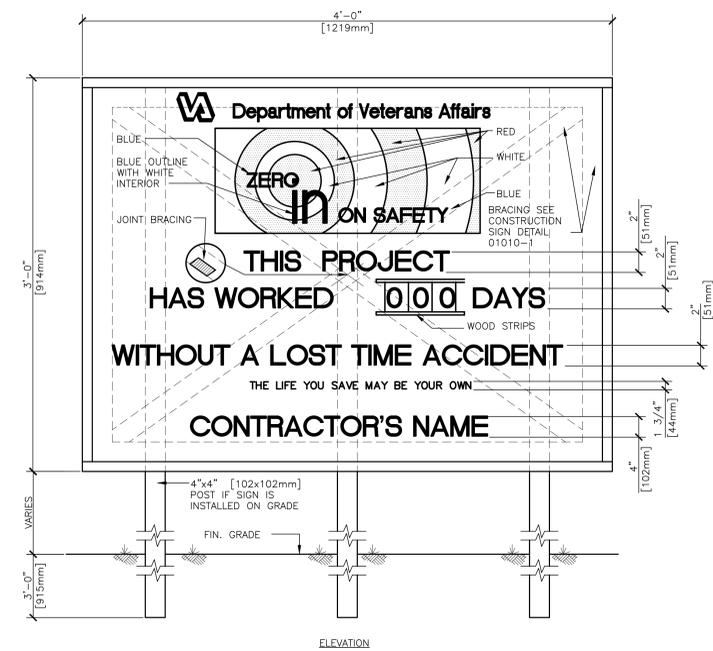
7 TYPICAL ASPHALT PAVEMENT DETAIL
N.T.S.

<p>CONSULTANT</p> <p>HYMAN HAYES ASSOCIATES</p> <p>100 TROY SCHENECTADY ROAD, STE 103 LARANA, NY 12110 (518) 452-3400 www.hymanhayes.com</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>FELLENER III ENGINEERING LLP</p> <p>FE PROJECT NO: 19-181 www.felip.com</p> <p>22 Mulberry St., Suite 2A, Middletown, NY 10940 1845-343-1481; fx 855-320-8735</p> <p>181 Church St., Suite 100, Poughkeepsie, NY 12601 1845-454-9704; fx 855-320-8735</p>		<p>STAMP</p> <p>JOHN D. FELLENER, P.E.</p> <p>NY PROFESSIONAL ENGINEER NO. 069373-1</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title</p> <p>SITE PLAN DETAILS</p> <p>Approved: Project Director</p>		<p>Phase</p> <p>100% FOR BID</p>		<p>Project Title</p> <p>STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT</p>		<p>Project Number</p> <p>528-809</p>	
<p>Revisions:</p> <p>Date:</p>		<p>Location</p> <p>ALBANY, NY</p>		<p>Issue Date</p> <p>MARCH 18, 2022</p>		<p>Checked</p> <p>JDF</p>		<p>Drawn</p> <p>SRB</p>		<p>Drawing Number</p> <p>1-GS-901</p>					

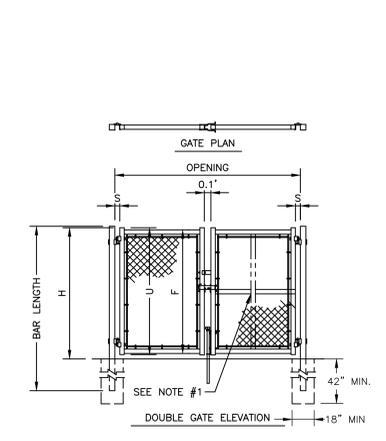
F:\2019\19-181 VA STRATTON, NEW EMERGENCY DEPT\CW\1-GS-901-906.dwg 4-29-22 11:42:03 AM wdb 6/14/2020 12:38:02 PM



1 CONSTRUCTION SIGN
N.T.S.



2 PROJECT SAFETY SIGN
N.T.S.

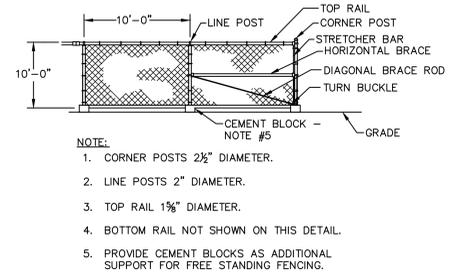


DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	SQ & RND SIZES	POST TO UPRIGHT
14'-0" [4267MM]	3" [76MM] SQ	FOR SQUARE & THROUGH
24'-0" [7315MM]	4" [102MM] OD	ROUND GATE POSTS: 2 1/4" [57MM]

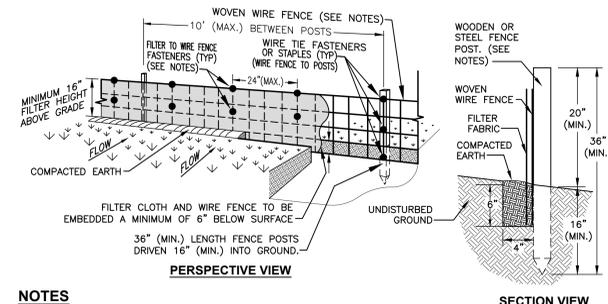
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
WITHOUT BARBED WIRE	ACTUAL DIM	ACTUAL DIM
10'-0" [3048MM]	9'-10" [2997MM]	9'-8 1/2" [2959MM]

- NOTES:**
- SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER-HALCO ONLY.
 - CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" [2438MM] & WIDER.
 - CENTER RAIL REQUIRED ON GATE LEAVES 10'-0" [3048MM] & HIGHER.
 - GATE POST LENGTH SHALL BE FENCE HEIGHT PLUS 3'-0".
 - GATE POST CONCRETE FOOTINGS OF THE TEMPORARY CONSTRUCTION FENCE 20' WIDE GATE TO BE REMOVED AT COMPLETION OF PROJECT.

3 TEMPORARY CONSTRUCTION FENCE: CHAIN LINK 20' WIDE GATE DETAIL
N.T.S.

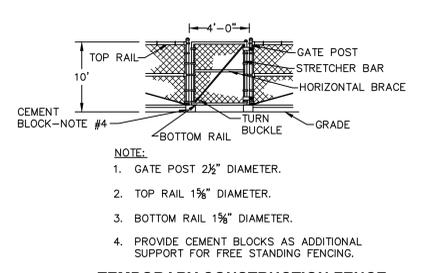


4 TEMPORARY CONSTRUCTION FENCE: CHAIN LINK FENCING DETAIL
N.T.S.

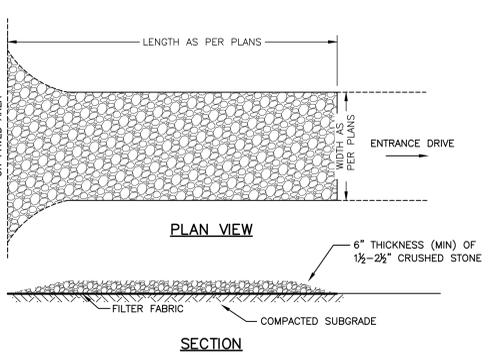


- NOTES**
- CONSTRUCTION SPECIFICATIONS:**
- WOVEN WIRE FENCE SHALL BE 12 GAUGE WITH A MAXIMUM MESH OPENING OF 6", AND SHALL BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES, WIRE TIES OR NYLON ZIP TIES.
 - FENCE POSTS SHALL BE EITHER STEEL (1" OR 1 1/2" TYPE) OR HARDWOOD (2"x2"). POSTS SHALL BE MINIMUM 36" IN LENGTH AND INSTALLED WITH A MINIMUM 16" OF EMBEDMENT, WITH A MAXIMUM OF 10' O.C. BETWEEN POSTS.
 - FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF 1000, STABILINKA T140N, OR AN APPROVED EQUAL, AND SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES OR NYLON ZIP TIES SPACED EVERY 24" AT TOP AND MID SECTION OF FILTER FABRIC.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED, WITH THE OVER-LAP BEING SECURELY FASTENED TO THE WOVEN WIRE FENCE AS PER NOTE #3 ABOVE.
 - AT END POSTS OF SILT FENCE, THE FILTER FABRIC SHALL BE WRAPPED AROUND THE POST AND APPROPRIATELY FASTENED AS PER NOTE #3 ABOVE.
 - PREFABRICATED SILT FENCE UNITS SHALL BE GEOTAB, ENMOFENCE, OR AN APPROVED EQUAL.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL (SEDIMENT) REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

6 SILT FENCE W/ WIRE REINFORCEMENT DETAIL
N.T.S.



5 TEMPORARY CONSTRUCTION FENCE: CHAIN LINK MAN GATE DETAIL
N.T.S.



- SUBGRADE OF ENTRANCE AREA SHALL BE COMPACTED, AND COVERED WITH FILTER FABRIC (TREVIRA #1127 OR APPROVED EQUAL) AND COVERED WITH A MINIMUM THICKNESS OF 6" OF 2 1/2"-1 1/2" CRUSHED STONE GRAVEL.
- ALL DRIVEWAYS AND/OR ENTRANCES TO DISTURBED AREAS OF THE SITE MUST BE STABILIZED PRIOR TO ANY CONSTRUCTION AND OR CLEARING OF SITE.
- STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, OR OTHER PAVED TRAVELED WAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO SUCH RIGHT-OF-WAYS OR TRAVELED PATHS SHALL BE REMOVED IMMEDIATELY.

7 STABILIZED CONSTRUCTION DRIVEWAY ENTRANCE DETAIL
N.T.S.

29CFR 1926 OSHA SUBPART P - APPENDIX B - SLOPING AND BENCHING

- (C) REQUIREMENTS:
- SOIL CLASSIFICATION. SOIL AND ROCK DEPOSITS SHALL BE CLASSIFIED IN ACCORDANCE WITH APPENDIX A TO SUBPART P OF PART 1926.
 - MAXIMUM ALLOWABLE SLOPE. THE MAXIMUM ALLOWABLE SLOPE FOR A SOIL OR ROCK DEPOSIT SHALL BE DETERMINED FROM TABLE B-1 OF THIS APPENDIX.
 - ACTUAL SLOPE.
 - THE ACTUAL SLOPE SHALL NOT BE STEEPER THAN THE MAXIMUM ALLOWABLE SLOPE.
 - THE ACTUAL SLOPE SHALL BE LESS STEEP THAN THE MAXIMUM ALLOWABLE SLOPE, WHEN THERE ARE SIGNS OF DISTRESS. IF THAT SITUATION OCCURS, THE SLOPE SHALL BE CUT BACK TO AN ACTUAL SLOPE WHICH IS AT LEAST 1/2 HORIZONTAL TO ONE VERTICAL (1/2H:1V) LESS STEEP THAN THE MAXIMUM ALLOWABLE SLOPE.
 - WHEN SURCHARGE LOADS FROM STORED MATERIAL OR EQUIPMENT, OPERATING EQUIPMENT, OR TRAFFIC ARE PRESENT, A COMPETENT PERSON SHALL DETERMINE THE DEGREE TO WHICH THE ACTUAL SLOPE MUST BE REDUCED BELOW THE MAXIMUM ALLOWABLE SLOPE, AND SHALL ASSURE THAT SUCH REDUCTION IS ACHIEVED. SURCHARGE LOADS FROM ADJACENT STRUCTURES SHALL BE EVALUATED IN ACCORDANCE WITH § 1926.651(i).
 - CONFIGURATIONS. CONFIGURATIONS OF SLOPING AND BENCHING SYSTEMS SHALL BE IN ACCORDANCE WITH FIGURE B-1.

TABLE B-1- MAXIMUM ALLOWABLE SLOPES

SOIL OR ROCK TYPE	MAXIMUM ALLOWABLE SLOPES (H:V) ¹ FOR EXCAVATION LESS THAN 20 FEET DEEP ³
STABLE ROCK	VERTICAL (90 DEG.)
TYPE A ²	3/4:1 (53 DEG.)
TYPE B	1:1 (45 DEG)
TYPE C	1 1/2 :1 (34 DEG)

- NUMBERS SHOWN IN PARENTHESES NEXT TO MAXIMUM ALLOWABLE SLOPES ARE ANGLES EXPRESSED IN DEGREES FROM THE HORIZONTAL. ANGLES HAVE BEEN ROUNDED OFF.
- A SHORT-TERM MAXIMUM ALLOWABLE SLOPE OF 1/2H:1V (63°) IS ALLOWED IN EXCAVATIONS IN TYPE A SOIL THAT ARE 12 FEET (3.67 M) OR LESS IN DEPTH. SHORT-TERM MAXIMUM ALLOWABLE SLOPES FOR EXCAVATIONS GREATER THAN 12 FEET (3.67 M) IN DEPTH SHALL BE 3/4H:1V (53°).
- SLOPING OR BENCHING FOR EXCAVATIONS GREATER THAN 20 FEET DEEP SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.

FIGURE B-1.2 EXCAVATIONS MADE IN TYPE B SOIL

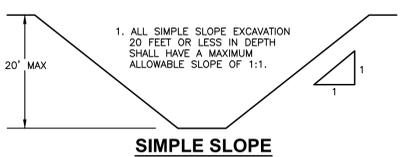


FIGURE B-1.3 EXCAVATIONS MADE IN TYPE C SOIL

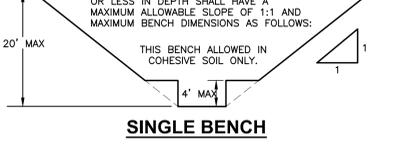
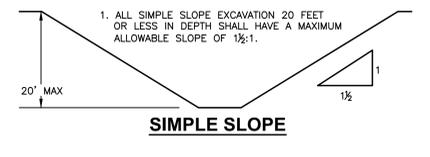


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

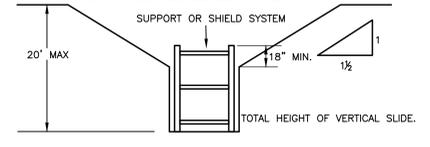
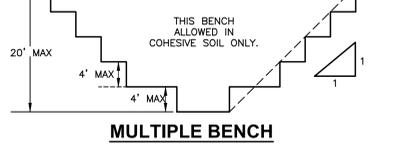


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

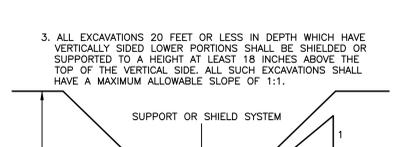
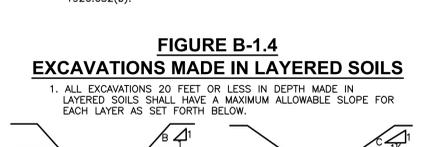


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

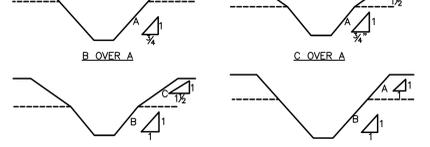


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

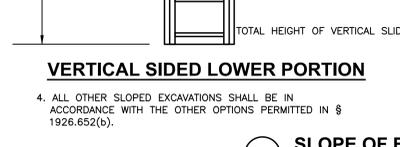


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

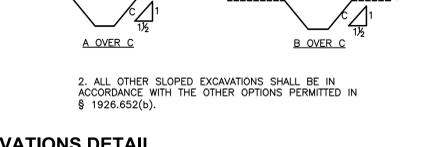


FIGURE B-1.4 EXCAVATIONS MADE IN LAYERED SOILS

8 SLOPE OF EXCAVATIONS DETAIL
N.T.S.

Revisions:	Date:

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STAMP

JOHN D. FELLENER, P.E.

NY PROFESSIONAL ENGINEER
NO. 069373-1

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

SITE PLAN DETAILS

Approved: Project Director

Phase

100% FOR BID

FULLY SPRINKLERED

Project Title

STRATTON VA MEDICAL CENTER
NEW EMERGENCY DEPARTMENT

Location

ALBANY, NY

Issue Date

MARCH 18, 2022

Checked

JDF

Drawn

SRB

Project Number

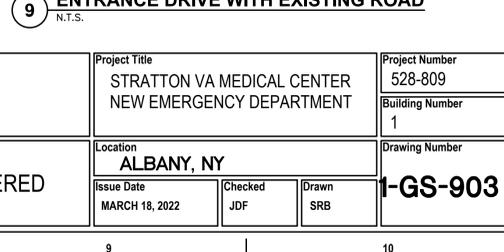
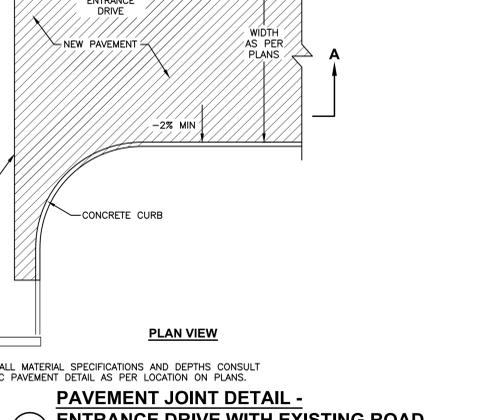
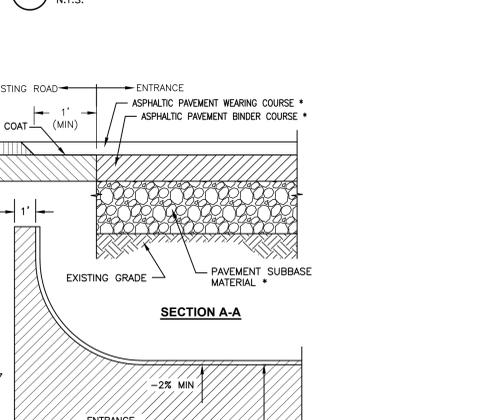
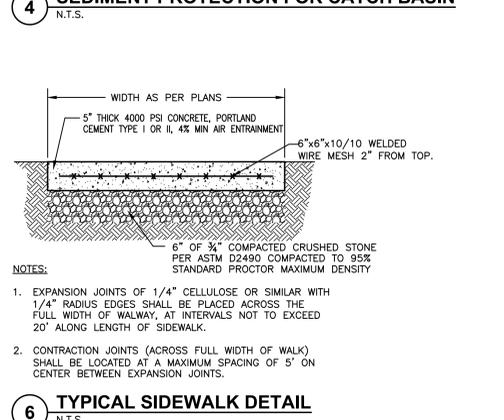
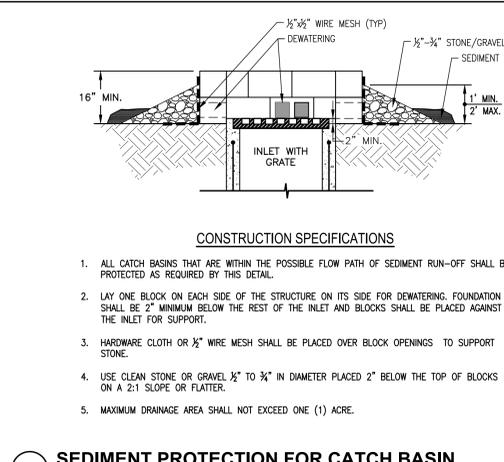
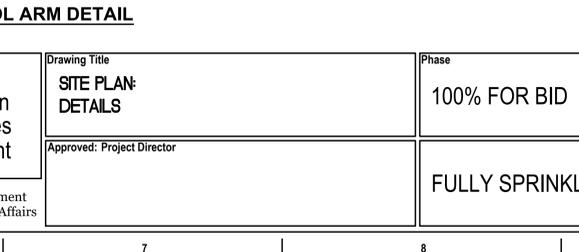
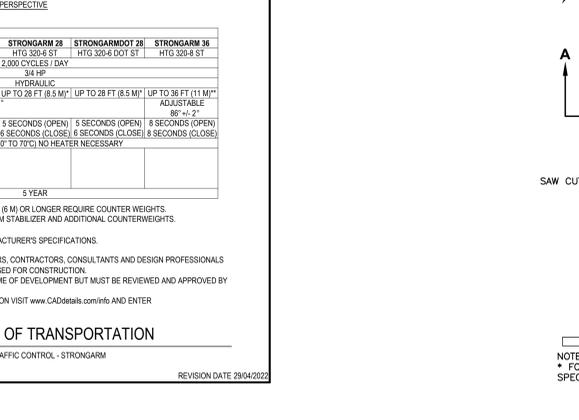
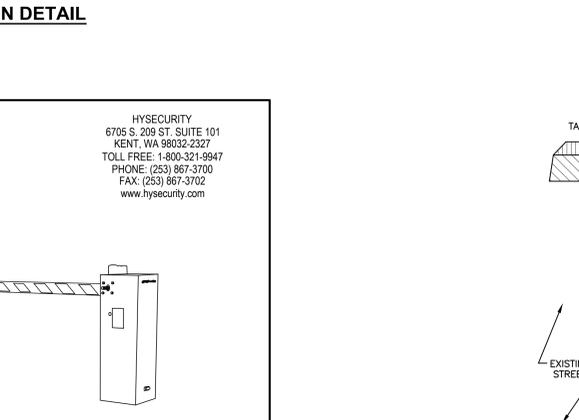
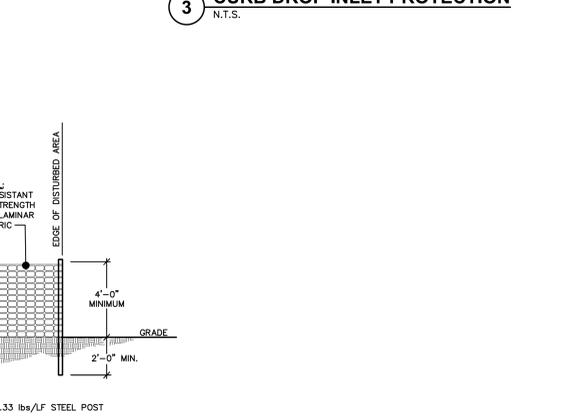
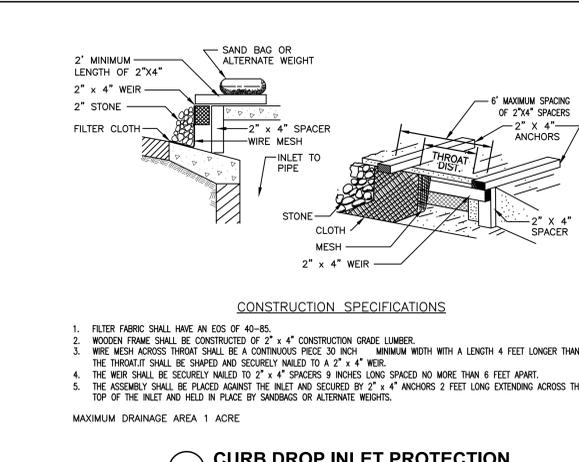
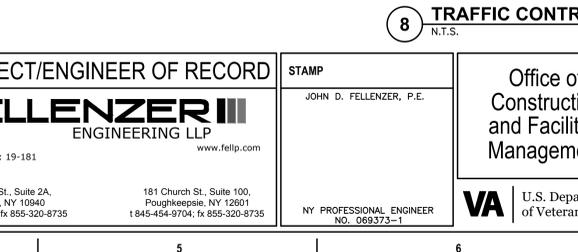
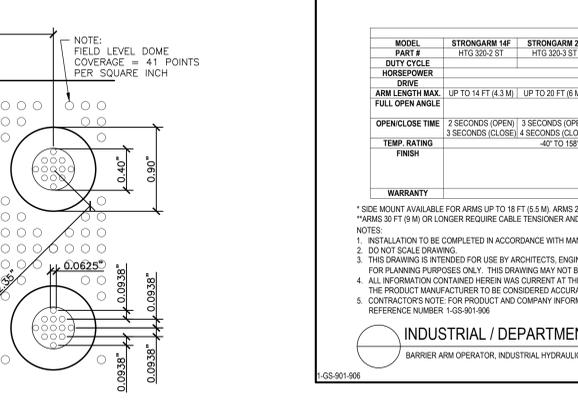
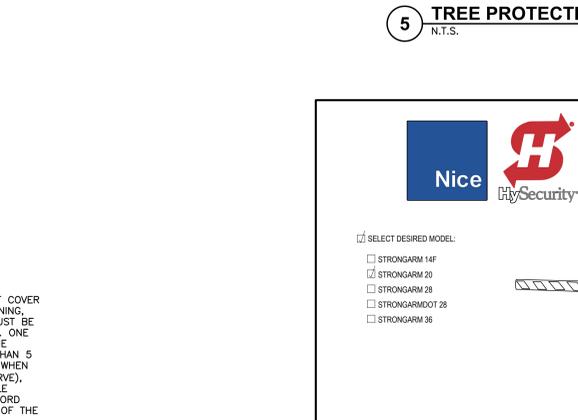
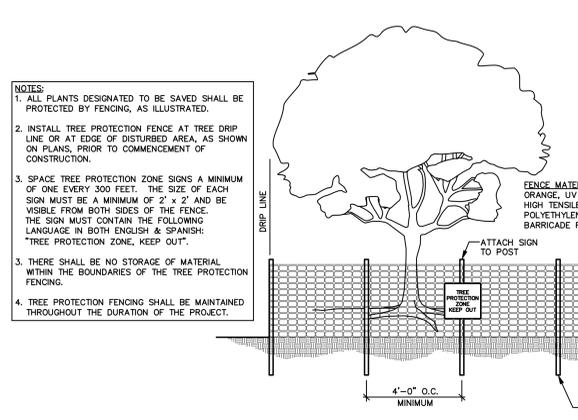
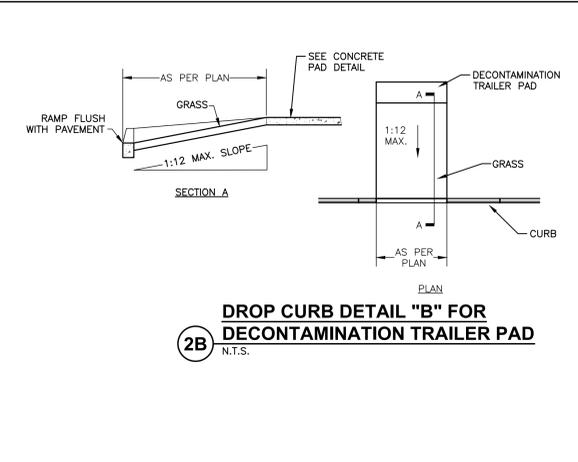
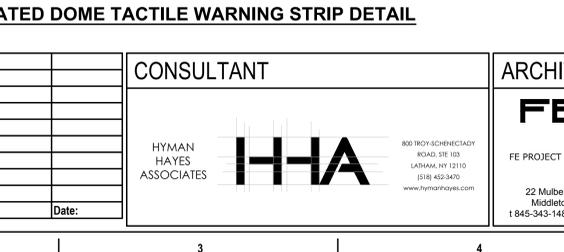
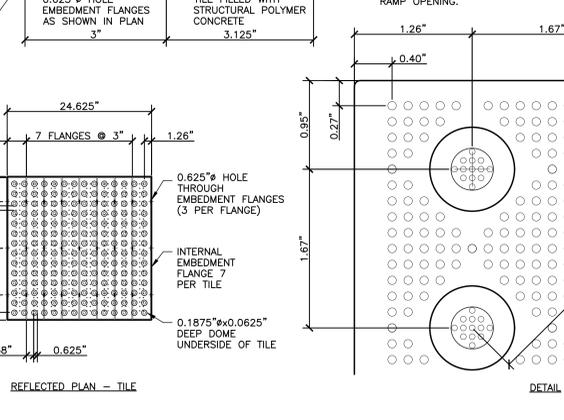
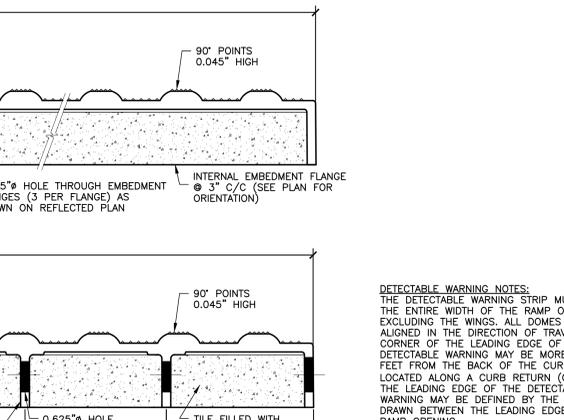
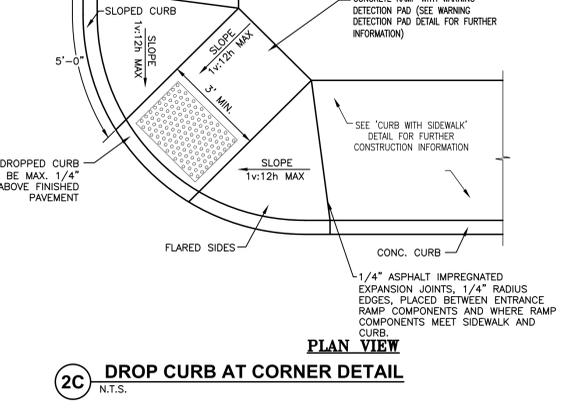
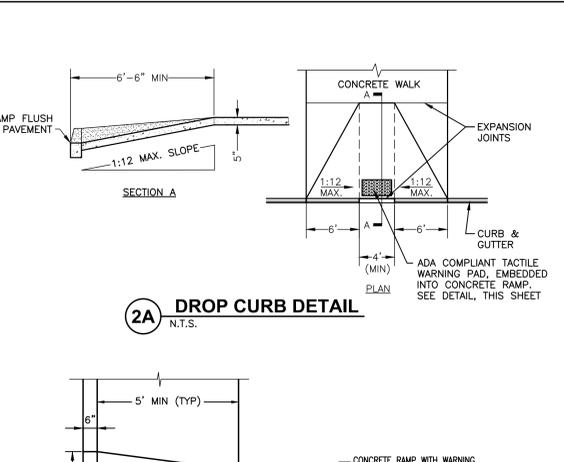
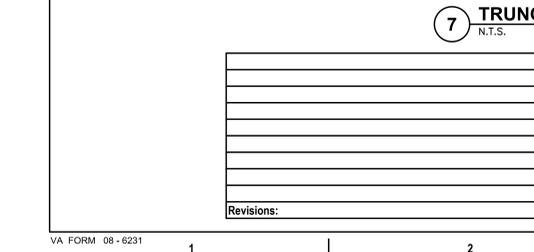
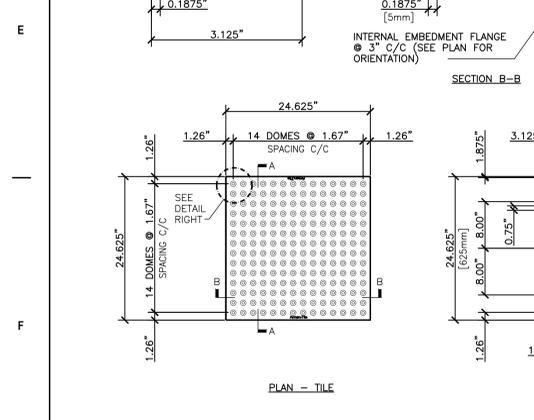
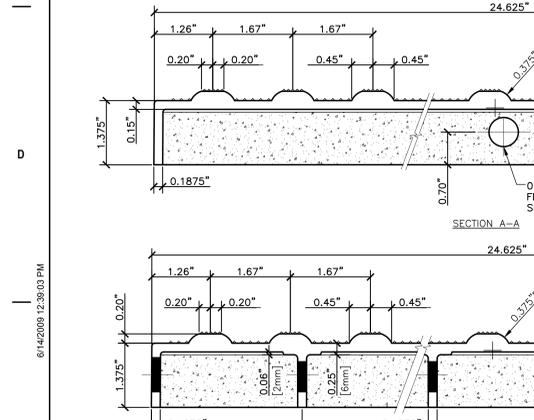
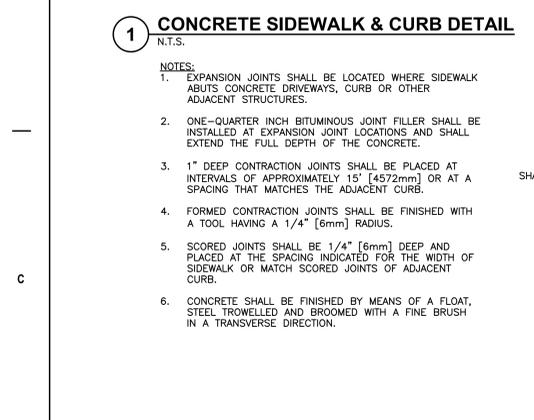
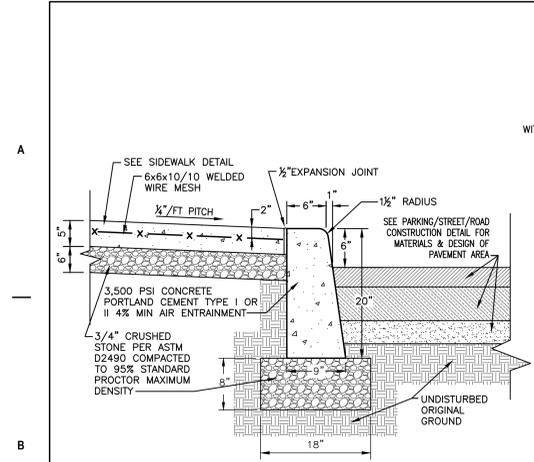
528-809

Building Number

1

Drawing Number

1-GS-902



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Revisions:	Date:

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STAMP

JOHN D. FELLENER, P.E.

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NO. 069373-1

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **SITE PLAN DETAILS**

Approved: Project Director

Phase: **100% FOR BID**

FULLY SPRINKLERED

Project Title: **STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT**

Location: **ALBANY, NY**

Issue Date: **MARCH 18, 2022**

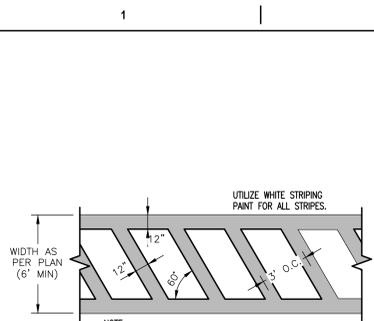
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Drawn: **SRB**

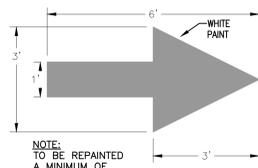
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Building Number: **1**

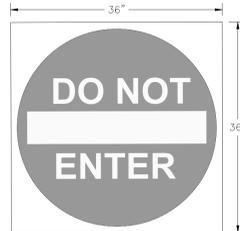
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1 CROSSWALK STRIPING DETAIL
N.T.S.



2 STRAIGHT DIRECTIONAL ARROW PAVEMENT MARKING DETAIL
N.T.S.



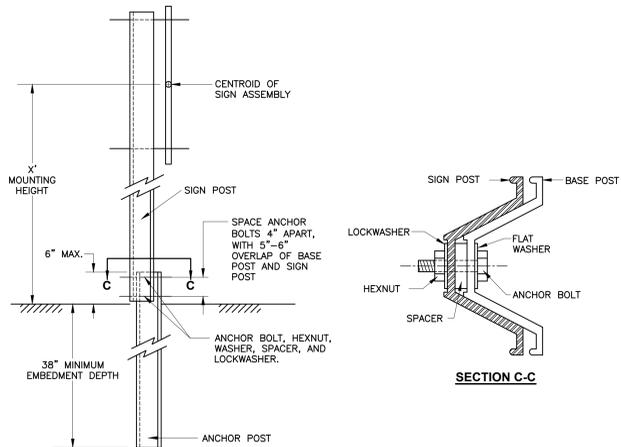
3 DO NOT ENTER
N.T.S. (MUTCD No. R3-15)



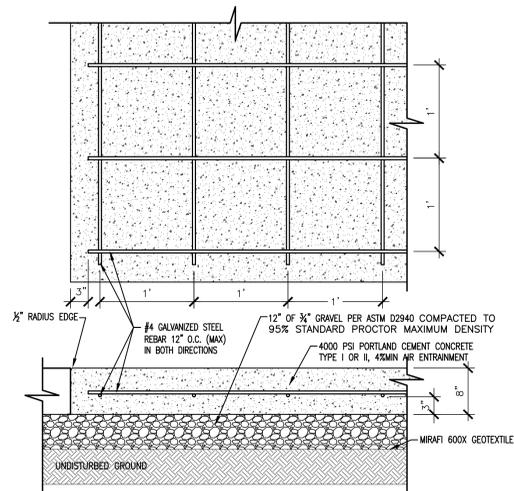
4 EMERGENCY VEHICLES ONLY SIGN
N.T.S.



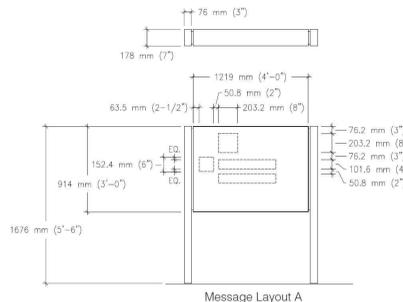
5 NO PARKING PATIENT DROP-OFF OR PICK-UP ONLY SIGN
N.T.S.



6 BREAKAWAY STYLE SIGN POST DETAIL
N.T.S.

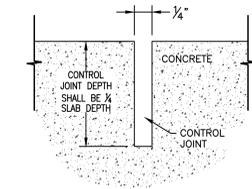


7 CONCRETE PAVEMENT DETAIL
N.T.S.



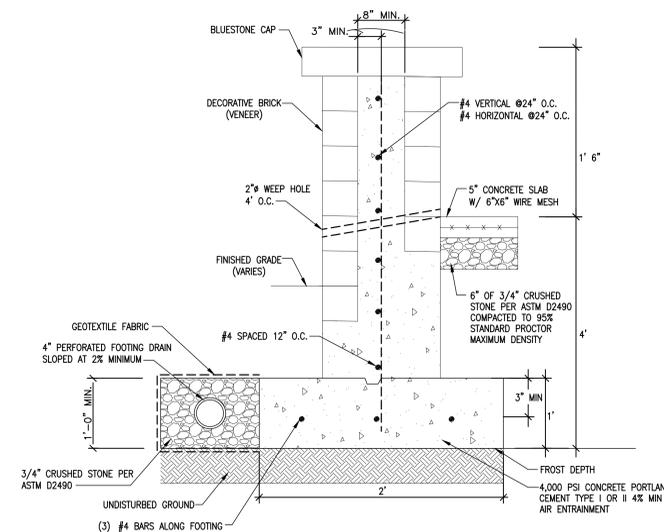
8 AMBULANCE ENTRANCE SIGN EI-08.03
N.T.S.

- NOTES:
- SIGN SHALL CONFORM TO THE LATEST EDITION OF THE VA EXTERIOR SIGN DESIGN GUIDE. REFER TO SPECIFICATIONS FOR EI-08.03 FOR COLOR AND MATERIAL REQUIREMENTS
 - CONTRACTOR SHALL COORDINATE WITH VA AND MATCH MESSAGE LAYOUT AND GRAPHICS WITH EXTERIOR SIGNAGE OF HOSPITAL PRIOR TO INSTALLATION.
 - SIGN SHALL BE INTERNALLY ILLUMINATED BY USE OF TIMER AND PHOTOELECTRIC SWITCH. CONTRACTOR SHALL PROVIDE NECESSARY CONDUCTORS AND CONDUIT FOR REQUIRED ELECTRICAL CONNECTIONS.



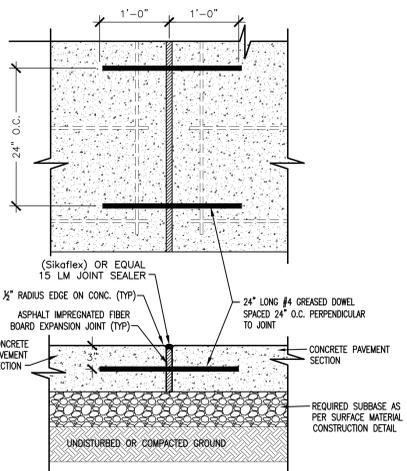
11 CONCRETE PAVEMENT CONTROL JOINT DETAIL
N.T.S.

- NOTES:
- CONTROL JOINTS SHALL BE LOCATED AT A MAXIMUM OF EVERY 5' UNLESS OTHERWISE NOTED.



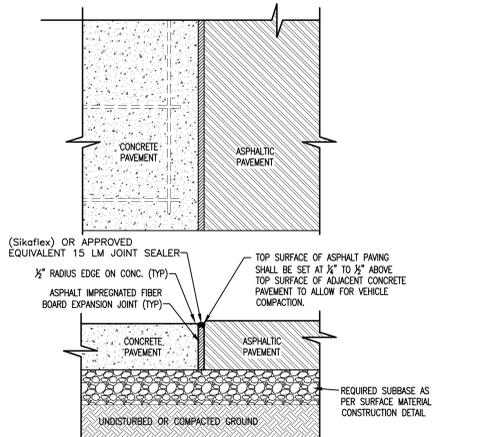
12 RETAINING WALL FOR PLAZA AREA
N.T.S.

- NOTES:
- CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW SNOW MELT SYSTEM AT MAIN ENTRANCE. REFER TO 1-ES-101 FOR MORE INFORMATION.



9 CONCRETE PAVEMENT EXPANSION JOINT DETAIL
N.T.S.

- NOTES:
- EXPANSION JOINTS OF 1/2" SHALL BE PLACED AT INTERVALS NOT TO EXCEED EVERY 20' UNLESS OTHERWISE NOTED



10 JOINT DETAIL CONCRETE PAVEMENT TO ASPHALT PAVEMENT
N.T.S.

Revisions:	Date:

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STAMP

JOHN D. FELLENER, P.E.

NY PROFESSIONAL ENGINEER
NO. 069373-1

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

Drawing Title
**SITE PLAN
DETAILS**

Approved: Project Director

Phase
100% FOR BID

FULLY SPRINKLERED

Project Title
**STRATTON VA MEDICAL CENTER
NEW EMERGENCY DEPARTMENT**

Location
ALBANY, NY

Issue Date
MARCH 18, 2022

Checked
JDF

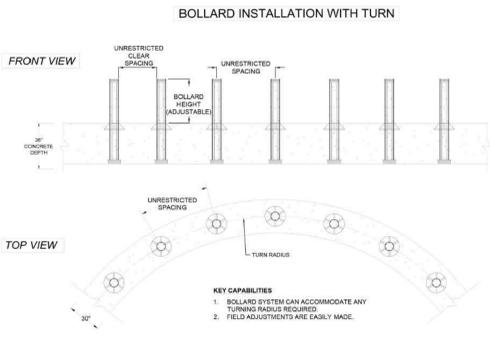
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SRB

Project Number
528-809

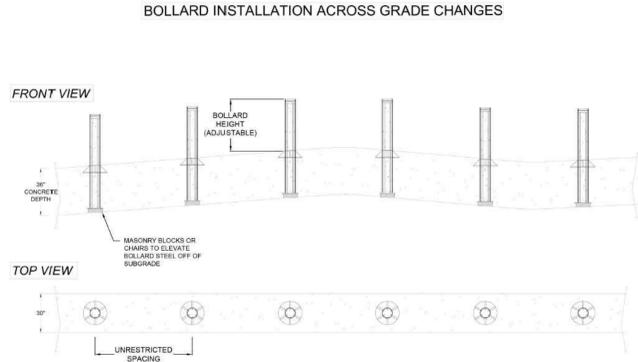
Building Number
1

Drawing Number
1-GS-904

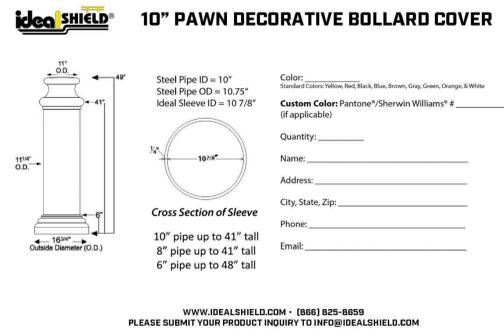
SET & POUR BOLLARD - MODEL SPB-400 (PREFABRICATED SINGLE BOLLARD UNIT, NO REBAR IN FOUNDATION)
 STOPS: 15,000 LB. VEHICLE AT 30 MPH IMPACT (BOLLARD SPACING IS UNRESTRICTED)
 ASTM F2856-07 M30(K4) CERTIFIED, APPROVED BY DGD AND ON ANTI-RAM LIST



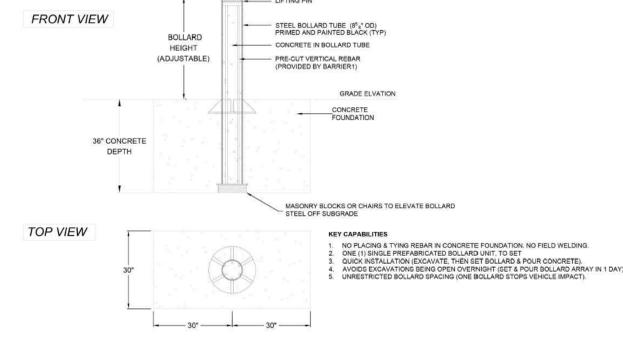
1 BOLLARD INSTALLATION WITH TURN DETAIL
N.T.S.



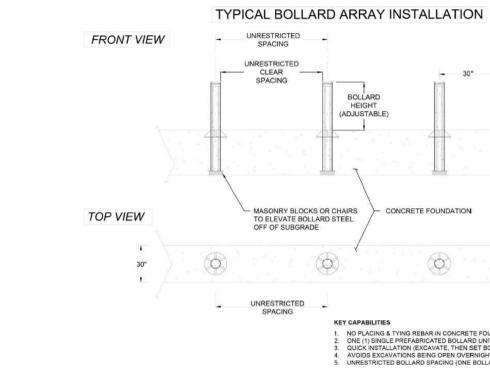
2 BOLLARD INSTALLATION ACROSS GRADE DETAIL
N.T.S.



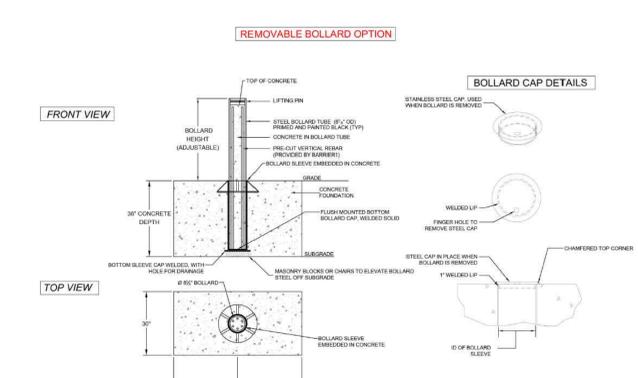
3 10\"/>N.T.S.



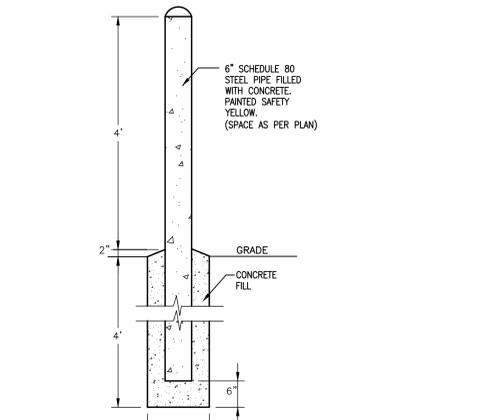
4 IMPACT RATED BOLLARD DETAIL
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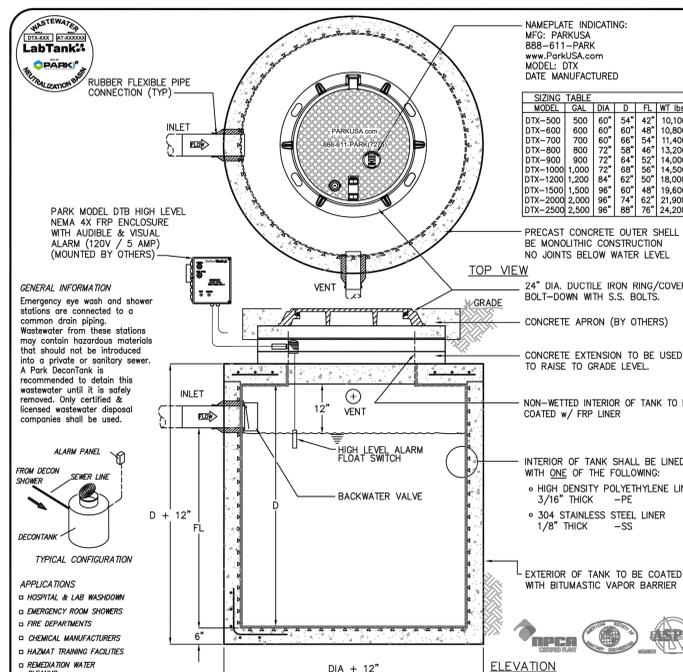
5 TYPICAL BOLLARD ARRAY INSTALLATION DETAIL
N.T.S.



6 REMOVABLE BOLLARD OPTION DETAIL
N.T.S.

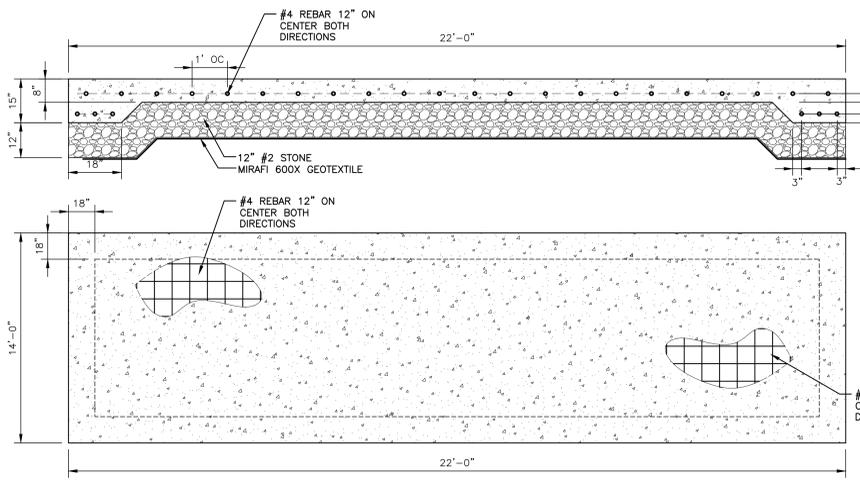


7 BOLLARD POST DETAIL
N.T.S.



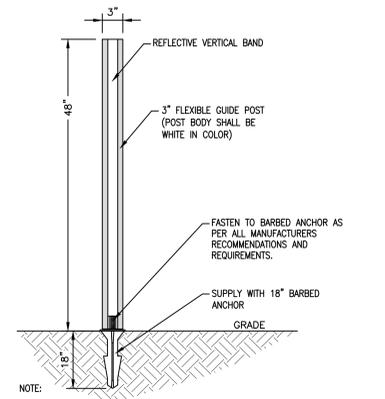
Specifications		PROJECT:	
CONCRETE:	Class [A] concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.	CUSTOMER:	PROJ #
REINFORCEMENT:	Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.	ORDER #:	DATE:
ACCESS COVER:	The access cover be minimum 24\"/>		
Engineering Data	The holding tank & risers are structurally and hydraulically engineered conforming to ASTM 478-C. Refer to Sizing Table for capacity.	LOCATION:	DATE:
Field excavation and preparation shall be completed prior to delivery of interceptor. Use dimensional data as shown.		DATE:	REV. A

8 DECONTAMINATION TANK
N.T.S.



NOTE:
 1. PAD SIZE SHALL BE 12" LARGER ON ALL SIDES THAN DECONTAMINATION ENCLOSURE. COORDINATE WITH EXISTING UNIT.
 2. PROVIDE PAD WITH 1" HIGH REVEAL ABOVE GRADE AND ¼" CHAMFER ON ALL EDGES

8 CONCRETE PAD DETAIL (DEDUCT ALTERNATE NO.4)
N.T.S.



9 UTILITY TUNNEL ACCESS FLEXIBLE MARKER STAKE
N.T.S.

CONSULTANT HYMAN HAYES ASSOCIATES 		ARCHITECT/ENGINEER OF RECORD FELLENER III ENGINEERING LLP FE PROJECT NO: 19-181 22 Mulberry St., Suite 2A, Middletown, NY 10940 181 Church St., Suite 100, Poughkeepsie, NY 12601		STAMP JOHN D. FELLENER, P.E. NY PROFESSIONAL ENGINEER NO. 069373-1	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title SITE PLAN DETAILS Approved: Project Director	Phase 100% FOR BID FULLY SPRINKLERED	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT Location ALBANY, NY Issue Date MARCH 18, 2022	Project Number 528-809 Building Number 1 Drawing Number 1-GS-905
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F:\2019\19-181 VA STRATTON, NEW EMERGENCY DEPT\CIVIL\1-GS-901-905.dwg 4-29-22 11:42:09 AM wbd
 6/14/2008 12:38:03 PM

General Notes:

- MAPES ARCHITECTURAL CANOPIES REQUIRES ONE (1) SET OF CORRECTED DRAWINGS TO REVISE APPROVAL DRAWINGS, OR AN APPROVED SET OF DRAWINGS IN ORDER TO FABRICATE ORDER.
- ORDERS REQUIRING ENGINEERING WILL "ONLY" BE FABRICATED "AFTER" DRAWINGS ARE APPROVED.
- VERIFY ALL CANOPY AND FIELD DIMENSIONS PRIOR TO RELEASING FOR FABRICATION.
- ALL ORDERS NOT APPROVED FOR PRODUCTION WITHIN 90 DAYS OF PURCHASE ORDER ARE SUBJECT TO A REVIEW OF PRICING.
- ALL FASTENERS NOT OTHERWISE NOTED ARE TO BE FIELD DRILLED.
- ALL FASTENERS NOT OTHERWISE NOTED ARE STAINLESS STEEL OR ALUMINUM.
- ADRIACTY OF WALL AND BUILDING STRUCTURE MUST BE CERTIFIED BY BUILDINGS ENGINEER OF RECORD.
- WALL SYSTEMS W/ EPS BRICK VENEER OR METAL PANEL EXTERIOR DESIGN TYPICALLY REQUIRE COMPRESSION SPACERS TO PREVENT CRUSHING, SUPPLIED BY MAPES.
- IF NEEDED, MAPES SUPPLIES 1000 DDM TUBING FOR COMPRESSION SPACERS. THE TUBING WILL BE SUPPLIED IN 24' LENGTHS TO BE CUT DOWN IN THE FIELD AS NEEDED. ENOUGH TUBING WILL BE SENT FOR 4" PER ANCHOR POINT UNLESS OTHERWISE NOTED. IT'S INTENT IS ONLY TO SPAN THROUGH ANY NON-STRUCTURAL EXTERIOR CLADDING.
- MAPES SUPPLIES ALL HARDWARE NEEDED TO ANCHOR CANOPY TO STRUCTURE. ALL STRUCTURE BEARING LOAD OF CANOPY ANCHORS IS TO BE DESIGNED, ENGINEERED, AND SUPPLIED BY OTHERS.

Project Notes:

- SUPER LUMIDECK CANOPY (FREE-STANDING)
- 17'-6"x9'-0" (1)
- 2 1/2" EXTR. ALUM. BEAM
- 4X7 EXTR. ALUM. BEAM
- 4X4 EXTR. ALUM. POST
- 8" EXTR. ALUM. FASCIA
- POST HOLE DRAINAGE

Drawing Schedule

Page #	Description
01	Cover
02	General Information
03	Canopy Plan
04	Section AA
05	Section BB
06	Section CC
07	Surface Mount Footing - Detail 'a'
08	In-Ground Footing - Detail 'b'
09	Post Drainage - Detail 'c'

Design Notes:

- FINISH SHALL BE TWO COAT KYMAR
- COLOR SHALL BE SELECTED
- SEALANT BY CANOPY INSTALLER
- SURROUND WALL ANCHORS WITH WATER TIGHT SEALANT
- EMBED ALL WALL ANCHOR WASHERS IN SEALANT TO PROVIDE WATERTIGHT SEAL AT WALL
- TO ENSURE PROPER DRAINAGE, INSTALL CANOPY WITH POSITIVE CAMBER
- INTERMEDIATE RIVETS 4'-0" O.C. MAX.
- FIELD DRILL DRAIN HOLES IN DECKING @ 4X7 BEAM IN BEAM @ 4X4 POSTS, IN POSTS @ GROUND
- FACTORY NOTCHES IN POSTS ARE ALWAYS AT THE TOP

Mapes Architectural Canopies

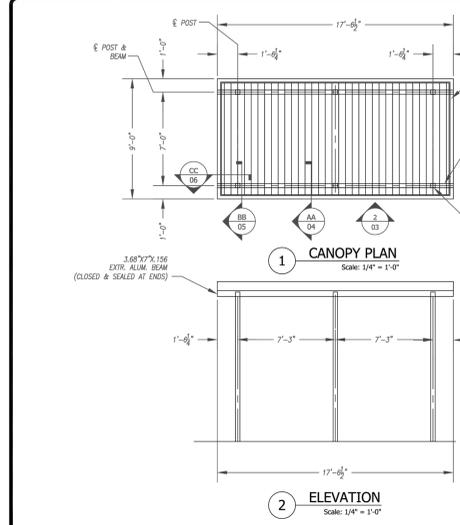
7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

12/23/2019 12:38:03 PM

M### sheet: 02 of 9



Mapes Architectural Canopies

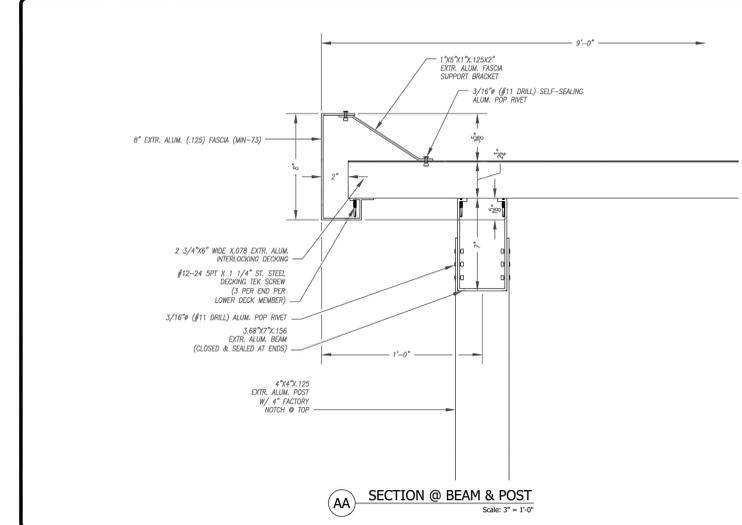
7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

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M### sheet: 03 of 9



Mapes Architectural Canopies

7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

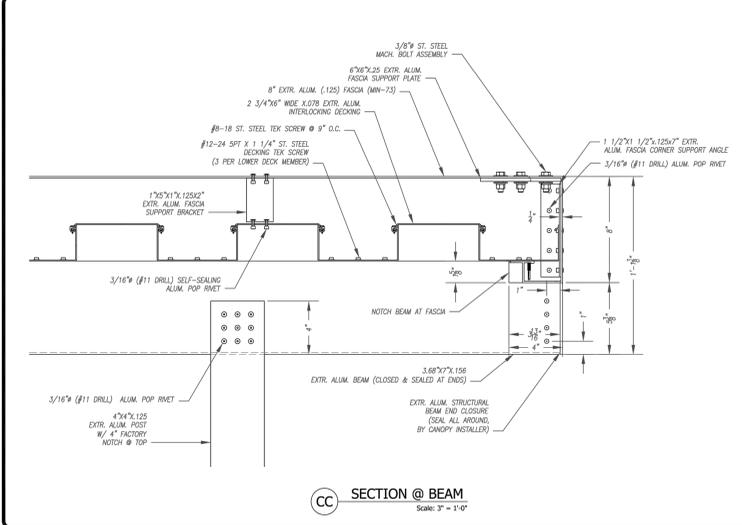
Job Name: 8" FASCIA / POST SUPPORTED UNIT

12/23/2019 12:38:03 PM

M### sheet: 04 of 9

NOTES

- DETAILS ON THIS SHEET PERTAIN TO DEDUCT ALTERNATE NO.2 ONLY. REFER TO SHEET 1-GS-101 FOR LOCATION AND ADDITIONAL INFORMATION.
- DETAILS ON THIS SHEET ARE FOR REFERENCE ONLY AND NOT TO SCALE



Mapes Architectural Canopies

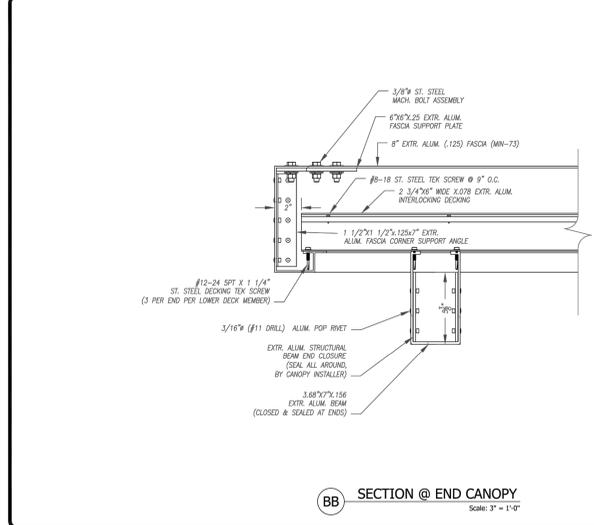
7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

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M### sheet: 06 of 9



Mapes Architectural Canopies

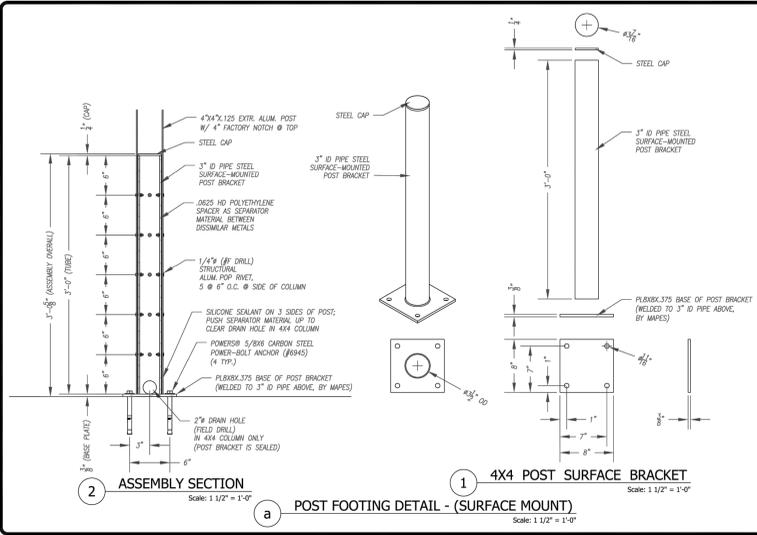
7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

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M### sheet: 05 of 9



Mapes Architectural Canopies

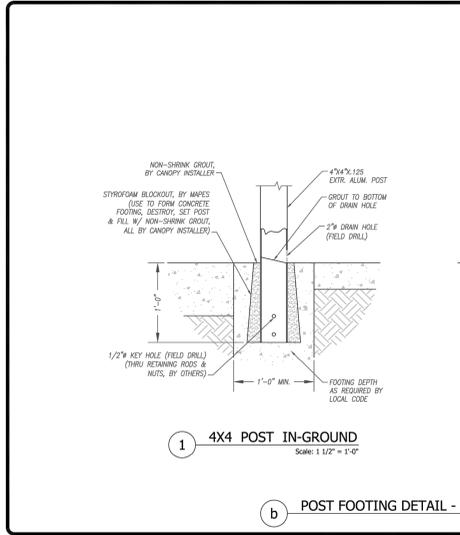
7748 N. 56th St.
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Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

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M### sheet: 07 of 9



Mapes Architectural Canopies

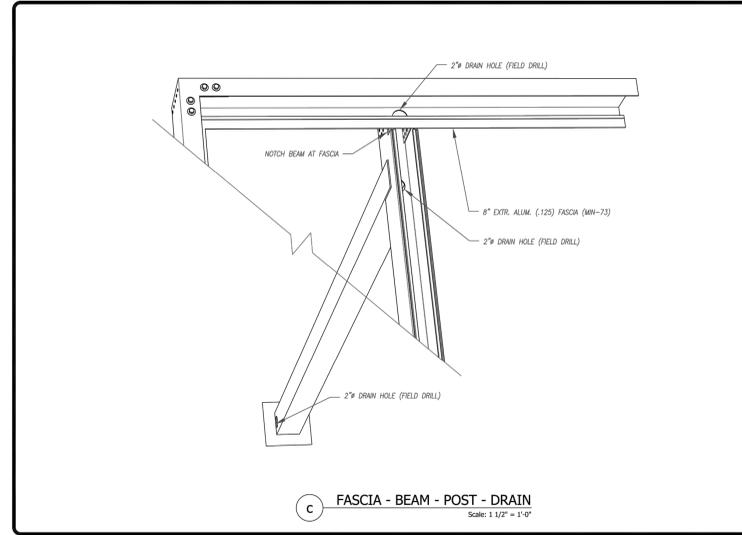
7748 N. 56th St.
Lincoln, NE 68514-9724
Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

Job Name: 8" FASCIA / POST SUPPORTED UNIT

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M### sheet: 08 of 9



Mapes Architectural Canopies

7748 N. 56th St.
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Ph: (888) 279-1132
Ph: (877) 455-6572
email: ca@mapes.com

Prepared For: MAPES CANOPIES () LINCOLN, NE

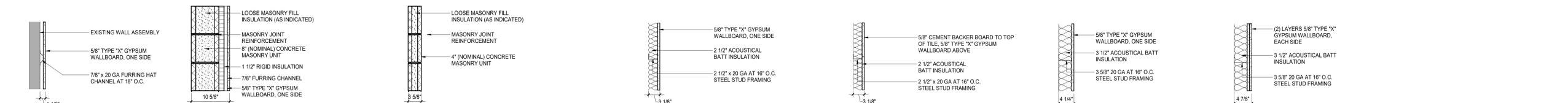
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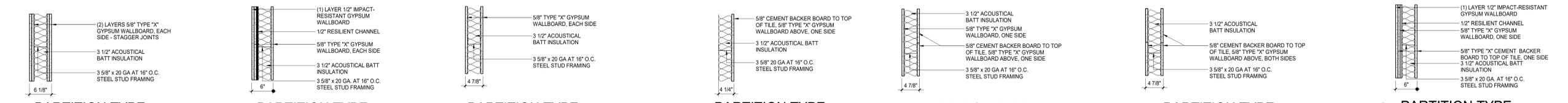
M### sheet: 09 of 9

<p>CONSULTANT</p> <p>HYMAN HAYES ASSOCIATES</p> <p>IHA</p> <p>800 TROY SCHENCKZADY ROAD, STE 103 LAKENANA, NY 12110 (518) 452-2400 www.hymanhayes.com</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>FELLENER III ENGINEERING LLP</p> <p>FE PROJECT NO: 19-181</p> <p>22 Mulberry St., Suite 2A, Middletown, NY 10940 1845-343-1481; fax 855-320-8735</p> <p>181 Church St., Suite 100, Poughkeepsie, NY 12601 1845-454-9704; fax 855-320-8735</p>		<p>STAMP</p> <p>JOHN D. FELLENER, P.E.</p> <p>NY PROFESSIONAL ENGINEER NO. 069373-1</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title</p> <p>SITE PLAN: DETAILS - CANOPY FOR COVERED WALKWAY (DEDUCT ALTERNATE NO.2)</p> <p>Approved: Project Director</p>		<p>Phase</p> <p>100% FOR BID</p>		<p>Project Title</p> <p>STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT</p>		<p>Project Number</p> <p>528-809</p>	
<p>Revisions:</p> <p>Date:</p>		<p>Location</p> <p>ALBANY, NY</p>		<p>Issue Date</p> <p>MARCH 18, 2022</p>		<p>Checked</p> <p>JDF</p>		<p>Drawn</p> <p>SRB</p>		<p>Drawing Number</p> <p>1-GS-906</p>					

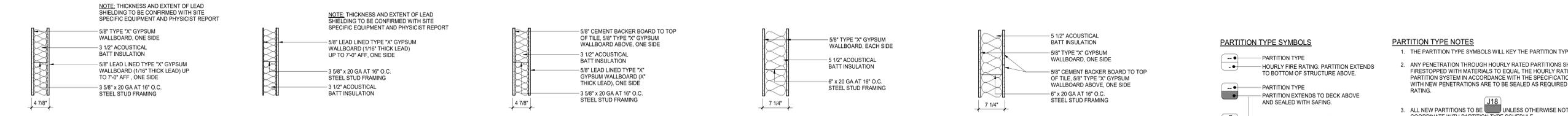
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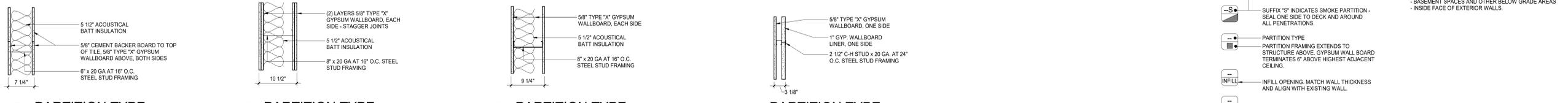
A08 PARTITION TYPE SCALE: 1" = 1'-0"
D04 PARTITION TYPE SCALE: 1" = 1'-0" (UL DESIGN No. U905) (WHERE 1 HR./2 HR. RATING NOTED)
E04 PARTITION TYPE SCALE: 1" = 1'-0" (UL DESIGN No. U905) (WHERE 1 HR./2 HR. RATING NOTED)
G08 PARTITION TYPE SCALE: 1" = 1'-0"
G30 PARTITION TYPE SCALE: 1" = 1'-0"
J08 PARTITION TYPE SCALE: 1" = 1'-0"
J09 PARTITION TYPE SCALE: 1" = 1'-0"



J14 PARTITION TYPE SCALE: 1" = 1'-0" (STC 56) (UL DESIGN No. U411) (WHERE 2 HR. RATING NOTED)
J16 PARTITION TYPE SCALE: 1" = 1'-0" (NOTE: PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AROUND PERIMETER OF WALL)
J18 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
J30 PARTITION TYPE SCALE: 1" = 1'-0"
J34 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
J36 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
J39 PARTITION TYPE SCALE: 1" = 1'-0" (NOTE: PROVIDE CONTINUOUS BEAD OF ACOUSTICAL SEALANT AROUND PERIMETER OF WALL)



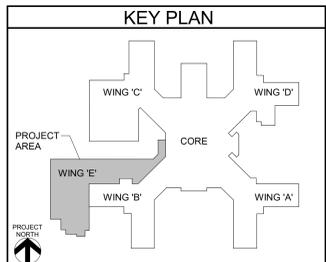
J40 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
J41 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
J43 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
L18 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
L34 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)



L36 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
M14 PARTITION TYPE SCALE: 1" = 1'-0" (STC 56) (UL DESIGN No. U411) (WHERE 2 HR. RATING NOTED)
M18 PARTITION TYPE SCALE: 1" = 1'-0" (STC 49) (UL DESIGN No. U465) (WHERE 1 HR. RATING NOTED)
R25 PARTITION TYPE SCALE: 1" = 1'-0" (STC 43) (UL DESIGN No. U415) (1 HR. RATING ASSEMBLY)

- PARTITION TYPE SYMBOLS**
- PARTITION TYPE
 - HOURLY FIRE RATING. PARTITION EXTENDS TO BOTTOM OF STRUCTURE ABOVE.
 - PARTITION TYPE
 - PARTITION EXTENDS TO DECK ABOVE AND SEALED WITH SAFING.
 - SUFFIX 'S' INDICATES SMOKE PARTITION - SEAL TO DECK AND AROUND ALL PENETRATIONS.
 - PARTITION TYPE
 - PARTITION FRAMING EXTENDS TO BOTTOM OF STRUCTURE ABOVE.
 - FINISHES ONE SIDE EXTEND TO 6" ABOVE HIGHEST ADJACENT CEILING. FINISHES ONE SIDE EXTEND TO BOTTOM OF STRUCTURE ABOVE.
 - SUFFIX 'S' INDICATES SMOKE PARTITION - SEAL ONE SIDE TO DECK AND AROUND ALL PENETRATIONS.
 - PARTITION TYPE
 - PARTITION FRAMING EXTENDS TO STRUCTURE ABOVE. GYPSUM WALL BOARD TERMINATES 6" ABOVE HIGHEST ADJACENT CEILING.
 - INFILL OPENING. MATCH WALL THICKNESS AND ALIGN WITH EXISTING WALL.
 - PARTIAL HEIGHT WALL TO UNDERSIDE OF COUNTER UNLESS OTHERWISE NOTED.

- PARTITION TYPE NOTES**
- THE PARTITION TYPE SYMBOLS WILL KEY THE PARTITION TYPES ON PLANS.
 - ANY PENETRATION THROUGH HOURLY RATED PARTITIONS SHALL BE FIRESTOPPED WITH MATERIALS TO EQUAL THE HOURLY RATING OF THE PARTITION SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS. EXISTING WALLS WITH NEW PENETRATIONS ARE TO BE SEALED AS REQUIRED TO MAINTAIN RATING.
 - ALL NEW PARTITIONS TO BE **J18** UNLESS OTHERWISE NOTED. COORDINATE WITH PARTITION TYPE SCHEDULE.
 - ALL CHASES AND DUCT/PIPE/COLUMN ENCLOSURES TO BE **J08** UNLESS OTHERWISE NOTED.
 - SEE ROOM FINISH SCHEDULE & INTERIOR ELEVATIONS FOR TILE LOCATIONS AND HEIGHTS.
 - PROVIDE TYPE 'X' MMR GYPSUM WALLBOARD IN LIEU OF STANDARD TYPE 'X' GYPSUM WALLBOARD AT THE FOLLOWING LOCATIONS, UNLESS NOTED:
 - TOILET AND SHOWER ROOMS
 - BASEMENT SPACES AND OTHER BELOW GRADE AREAS
 - INSIDE FACE OF EXTERIOR WALLS.



Revisions: Date:	CONSULTANT A/E: HYMAN HAYES ASSOCIATES 	ARCHITECT/ENGINEER OF RECORD STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs 	Drawing Title PARTITION TYPES Approved:	Phase 100% FOR BID FULLY SPRINKLERED	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT Location HOLLAND AVENUE ALBANY, NY Issue Date March 18, 2022	Project Number 528-809 Building Number Drawing Number 1-AS-002
	20057	800 Top Schenectady Road, Suite 103, Latham, NY 12110 (518) 452-3470 www.hymanhayes.com	FE PROJECT #: 19-181 22 Mulberry St., Suite 2A, Middletown, NY 10941 181 Church St., Suite 100, Poughkeepsie, NY 12601 1-845-343-1481 / 1-845-343-4986 / 1-845-454-9704 / 1-855-320-8735 UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF STATE EDUCATION LAW.	U.S. Department of Veterans Affairs	Checked Drawn MM	Checked Drawn MM

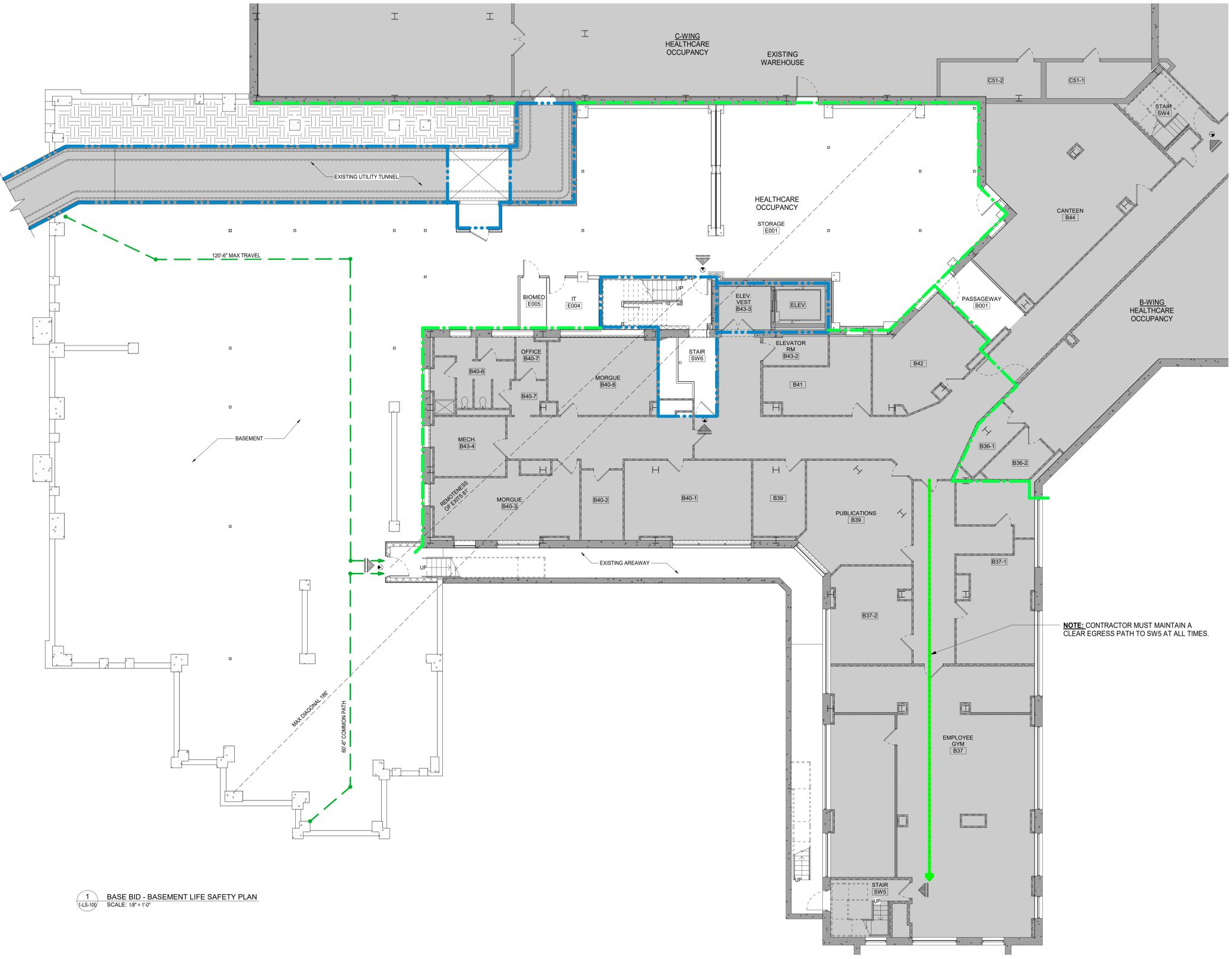
LIFE SAFETY SCHEDULE - BASEMENT (FULL BUILD OUT)

PROJECT/BUILDING INFORMATION			
PROJECT SQUARE FOOTAGE, FIRST FLOOR: ADDITION = 11,145 SF, RENOVATION = 260 SF			
BUILDING IS FULLY SPRINKLERED			
PROJECT IS LOCATED AT THE FIRST FLOOR & BASEMENT			
CODE	NFPA 101 2021	FGI (2018)	ACTUAL / REMARKS (IF APPLICABLE)
OCCUPANCY	NEW HEALTHCARE CHAPTER 18	N/A	
CONSTRUCTION TYPE	I (332) TABLE 18.1.6.1 EXT. BEARING WALLS: 3 HRS COLUMNS & BEAMS: 3 HRS (2 IF SUPPORTING ONLY 1 FLOOR) FLOOR-CEILING: 2 HRS ROOF-CEILING: 1.5 HOURS	--	I (332)
MINIMUM CORRIDOR WIDTH	3'-8" STAFF AREAS 18.2.3.4	FGI GUIDELINES 6'-0" (PUBLIC W/ STRETCHER) 5'-0" (PATIENT AREAS) 3'-8" (STAFF) 6'-0" (SEMI-RESTRICTED O.R.) 3.7.7.2.2.1/3.1.7.2.2.1	VARIABLES: 4'-4" MIN (COMPLIES)
REQ'D # EXITS	2 REQ'D 7.4.1.1	--	2 EXITS (COMPLIES)
MAXIMUM DEAD END CORRIDOR	30' 18.2.5.3	--	4'-0" (COMPLIES)
COMMON PATH OF TRAVEL	100' 18.2.5.2	--	60' - 6" (COMPLIES)
REMOVEDNESS OF EXITS	NOT LESS THAN 1/3 MAX DISTANCE (1867.3 = 62) 7.5.1.4	--	81'-0" (COMPLIES)
MAX. TRAVEL DISTANCE	200' 18.2.6.2.2	--	120'-6" (COMPLIES)
REQUIRED EGRESS WIDTH (PROJECT CORRIDOR)	2' / OCCUPANT=26" (36" MIN) TABLE 7.3.3.1	--	(COMPLIES)
REQUIRED EGRESS WIDTH (STAIRS)	3' / OCCUPANT=39" TABLE 7.3.3.1	--	44" (COMPLIES)
REQUIRED STAIR DIMENSIONS (NEW)	TABLE 7.2.2.2.1.1 (a) 44" TABLE 7.2.2.2.1.2 (B) 44" 7.2.2.3.2.3	--	(COMPLIES)
WIDTH (MIN.)	44" 7.2.2.3.2.3	--	(COMPLIES)
LANDINGS	7" MAX	--	(COMPLIES)
RISERS	11" MIN	--	(COMPLIES)
TREADS	6" - 9" MIN	--	(COMPLIES)
HEAD HEIGHT	MAX HT BETWEEN LANDINGS	--	(COMPLIES)
RATINGS - CORRIDORS	NO RATING REQUIRED LIMIT THE TRANSFER OF SMOKE 18.3.6.2.2	--	SMOKE LIMITING PARTITION
RATINGS - STAIRS	2 HR-4 STORES & MORE 7.1.3.2.1 (3)	--	2-HR
RATINGS - SHAFTS	1 HR-3 STORES & LESS BUT NO LESS THAN FLOOR RATING 8.6.5	--	2-HR (FLOOR)
MAXIMUM SMOKE COMPARTMENT	22,500 GSF 18.3.7.1(3)	--	N/A
MAXIMUM SMOKE COMPARTMENT TRAVEL DISTANCE	200' 18.3.7.1(5)	--	N/A
RATING-SOILED	1-HR 18.3.2.1.2 (5)	--	N/A
RATING-STORAGE 100 SF OR GREATER	1-HR 18.3.2.1.2 (7)	--	N/A
OCCUPANT LOAD	1 OCCUPANT/500 SF TABLE 7.3.1.2	MAXIMUM PROBABLE OCCUPANTS	23 OCCUPANTS

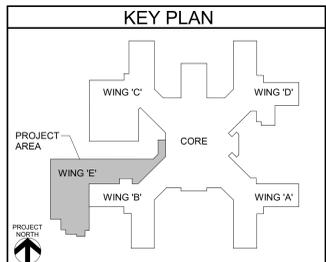
LIFE SAFETY LEGEND:

- SMOKE BARRIER - 1 HR FIRE RATED
- SMOKE PARTITION - 0 HR FIRE RATED (LIMIT TRANSFER OF SMOKE)
- CORRIDOR WALL - SMOKE PARTITION - 0 HR FIRE RATED (LIMIT TRANSFER OF SMOKE)
- 1 HR FIRE RATED BARRIER (45 MINUTE DOOR)
- 2 HR FIRE RATED BARRIER (1 1/2 HR DOOR AND FIRE DAMPERS)
- EXIT
- EXIT SIGN (E-EXISTING)
- FIRE EXTINGUISHER CABINET
- EXISTING AREA TO REMAIN (NOT IN CONTRACT)

NOTE: CONTRACTOR MUST MAINTAIN A CLEAR EGRESS PATH TO SW5 AT ALL TIMES.



1 BASE BID - BASEMENT LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"



Revisions:	Date:

CONSULTANT
A/E:
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HYA
800 Twp. Schenck Rd., Suite 103
Latham, NY 12110
(518) 452-3470
www.hymanhayes.com

ARCHITECT/ENGINEER OF RECORD
FELLENER ENGINEERING LLP
FE PROJECT #: 19-181
22 Mulberry St., Suite 2A, Middletown, NY 10940
181 Church St., Suite 100, Poughkeepsie, NY 12601
www.fellp.com
1.845-543-1481 | 1.845-343-4986 | 1.845-454-9704 | 1.855-320-8735

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
BASEMENT LIFE SAFETY PLAN AND SCHEDULE
Approved: Approver

Phase
100% FOR BID
FULLY SPRINKLERED

Project Title
STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT

Location
HOLLAND AVENUE ALBANY, NY

Issue Date
March 18, 2022

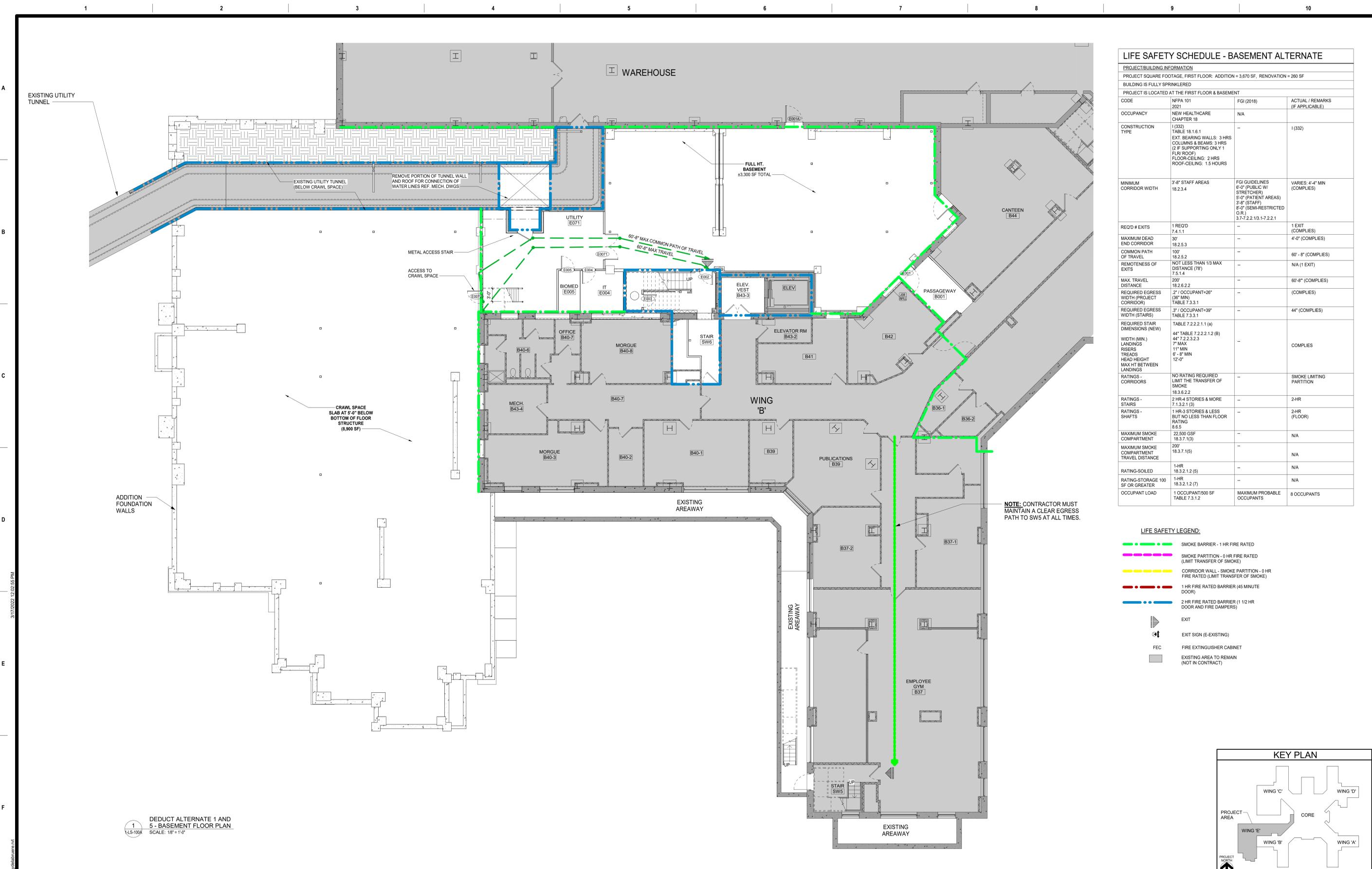
Checked
MH

Drawn
JD

Project Number
528-809

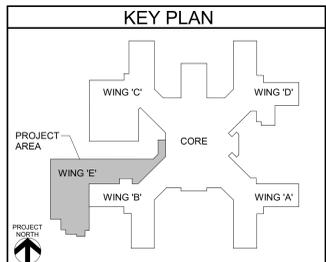
Building Number

Drawing Number
1-LS-100



LIFE SAFETY SCHEDULE - BASEMENT ALTERNATE			
PROJECT/BUILDING INFORMATION			
PROJECT SQUARE FOOTAGE, FIRST FLOOR: ADDITION = 3,670 SF, RENOVATION = 280 SF			
BUILDING IS FULLY SPRINKLERED			
PROJECT IS LOCATED AT THE FIRST FLOOR & BASEMENT			
CODE	NFPA 101 2021	FGI (2018)	ACTUAL / REMARKS (IF APPLICABLE)
OCCUPANCY	NEW HEALTHCARE CHAPTER 18	N/A	
CONSTRUCTION TYPE	1 (332) TABLE 18.1.6.1 EXT. BEARING WALLS: 3 HRS COLUMNS & BEAMS: 3 HRS (2 IF SUPPORTING ONLY 1 FLR/ ROOF) FLOOR-CEILING: 2 HRS ROOF-CEILING: 1.5 HOURS	--	1 (332)
MINIMUM CORRIDOR WIDTH	3'-8" STAFF AREAS 18.2.3.4	FGI GUIDELINES 8'-0" (PUBLIC W/ STRETCHER) 5'-0" (PATIENT AREAS) 3'-8" (STAFF) 8'-0" (SEMI-RESTRICTED O.R.) 3.7.2.2.1/3.1.7.2.2.1	VARIABLE: 4'-4" MIN (COMPLIES)
REOD # EXITS	1 REOD 7.4.1.1	--	1 EXIT (COMPLIES)
MAXIMUM DEAD END CORRIDOR	30' 18.2.5.3	--	4'-0" (COMPLIES)
COMMON PATH OF TRAVEL	180' 18.2.5.2	--	60' - 8" (COMPLIES)
REMOVEDNESS OF EXITS	NOT LESS THAN 1/3 MAX DISTANCE (78') 7.5.1.4	--	N/A (1 EXIT)
MAX TRAVEL DISTANCE	200' 18.2.6.2.2	--	60'-8" (COMPLIES)
REQUIRED EGRESS WIDTH (PROJECT CORRIDOR)	2' OCCUPANT=28" (30" MIN) TABLE 7.3.3.1	--	(COMPLIES)
REQUIRED EGRESS WIDTH (STAIRS)	3' OCCUPANT=39" TABLE 7.3.3.1	--	44" (COMPLIES)
REQUIRED STAIR DIMENSIONS (NEW)	TABLE 7.2.2.1.1 (a) 44" TABLE 7.2.2.1.2 (B)	--	COMPLIES
WIDTH (MIN.)	44" 7.2.2.3.2.3	--	
LANDINGS	7' MAX	--	
RISERS	11" MIN	--	
TREADS	6" - 8" MIN	--	
HEAD HEIGHT	12'-0"	--	
RATINGS - CORRIDORS	NO RATING REQUIRED LIMIT THE TRANSFER OF SMOKE 18.3.6.2.2	--	SMOKE LIMITING PARTITION
RATINGS - STAIRS	2 HR-4 STORIES & MORE 7.3.2.1 (3)	--	2-HR
RATINGS - SHAFTS	1 HR-3 STORIES & LESS BUT NO LESS THAN FLOOR RATING 8.6.5	--	2-HR (FLOOR)
MAXIMUM SMOKE COMPARTMENT	22,500 GSF 18.3.7.1 (3)	--	N/A
MAXIMUM SMOKE COMPARTMENT TRAVEL DISTANCE	200' 18.3.7.1 (5)	--	N/A
RATING-SOILED	1-HR 18.3.2.1.2 (5)	--	N/A
RATING-STORAGE 100 SF OR GREATER	1-HR 18.3.2.1.2 (7)	--	N/A
OCCUPANT LOAD	1 OCCUPANT/500 SF TABLE 7.3.1.2	MAXIMUM PROBABLE OCCUPANTS	8 OCCUPANTS

- LIFE SAFETY LEGEND:**
- SMOKE BARRIER - 1 HR FIRE RATED
 - SMOKE PARTITION - 0 HR FIRE RATED (LIMIT TRANSFER OF SMOKE)
 - CORRIDOR WALL - SMOKE PARTITION - 0 HR FIRE RATED (LIMIT TRANSFER OF SMOKE)
 - 1 HR FIRE RATED BARRIER (45 MINUTE DOOR)
 - 2 HR FIRE RATED BARRIER (1 1/2 HR DOOR AND FIRE DAMPERS)
 - EXIT
 - EXIT SIGN (E-EXISTING)
 - FIRE EXTINGUISHER CABINET
 - EXISTING AREA TO REMAIN (NOT IN CONTRACT)



1 DEDUCT ALTERNATE 1 AND 5 - BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE: CONTRACTOR MUST MAINTAIN A CLEAR EGRESS PATH TO SW5 AT ALL TIMES.

CONSULTANT A/E: HYMAN HAYES ASSOCIATES 		ARCHITECT/ENGINEER OF RECORD FELLENER ENGINEERING LLP FE PROJECT #: 19-181 22 Mulberry St., Suite 2A, Middletown, NY 10941 181 Church St., Suite 100, Poughkeepsie, NY 12601 1.845-543-1481 / 1.845-543-4986 / 1.845-544-9704 / 1.855-320-8735 UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF STATE EDUCATION LAW.		STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title BASEMENT LIFE SAFETY PLAN AND SCHEDULE- DEDUCT ALTERNATE 1&5 Approved: Approver	Phase 100% FOR BID FULLY SPRINKLERED	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT Location HOLLAND AVENUE ALBANY, NY Issue Date March 18, 2022	Project Number 528-809 Building Number Drawing Number 1-LS-100A
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