

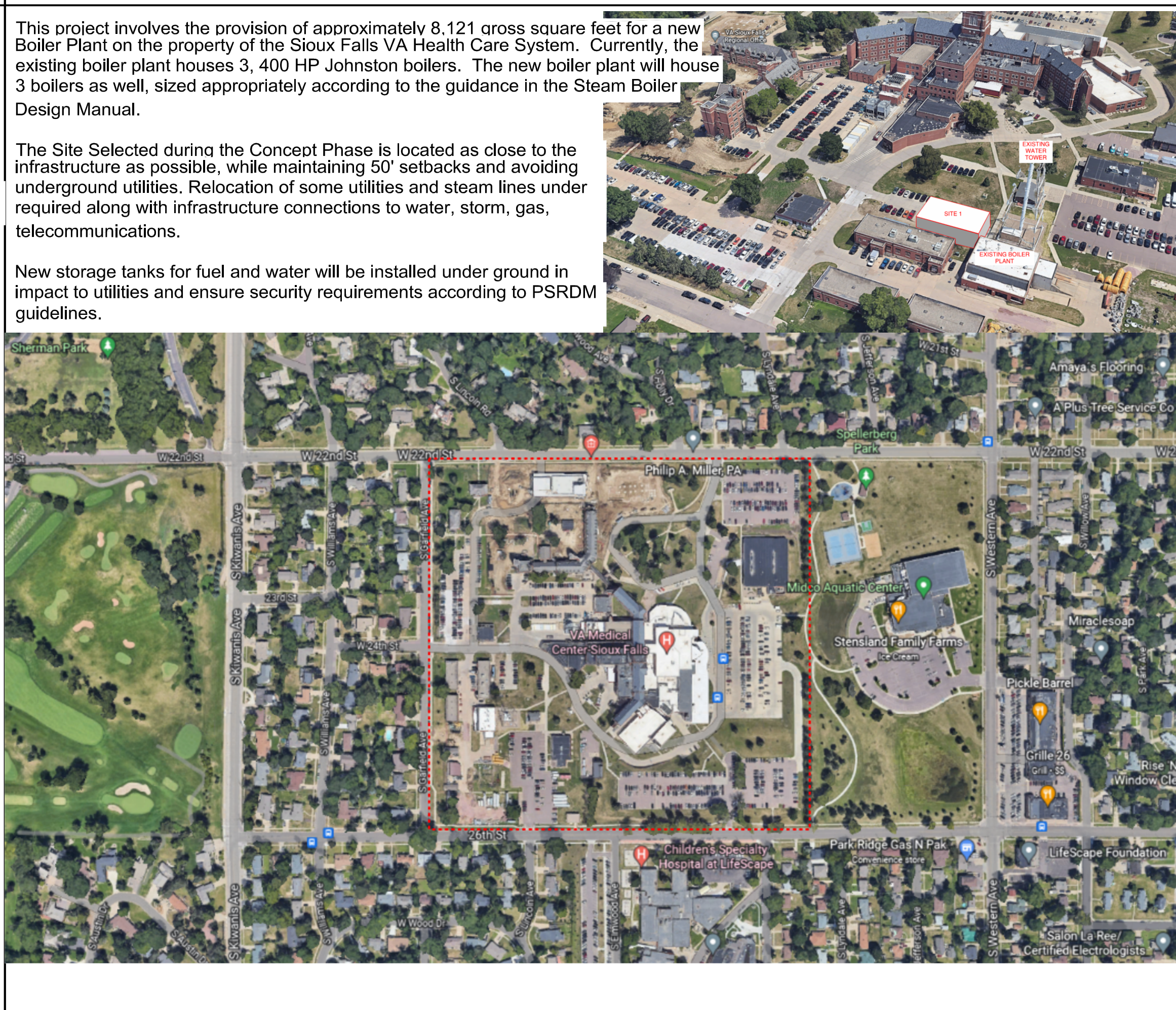


VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105

SIOUX FALLS BOILER PLANT

VA PROJECT NUMBER: 438-22-900

100% CONSTRUCTION DOCUMENTS

PROJECT TEAM	PROJECT SUMMARY AND VICINITY MAP	SHEET INDEX			
<p>OWNER + COR: Department of Veteran Sioux Falls VA Medical 2501 W 22nd St, Sioux Falls, Isaac Anderson, Isaac.Anderson@va.gov</p> <p>CIVIL: Mabette and Associates, 105 Central St # 4100, Stoneham, Robert B. Blanchette, Jr., PE blanchette@mabbett.com</p> <p>STRUCTURAL: Moon Tree Consulting, 1808 Deep Creek Rd, Oklahoma City, David R. Walton SEOR / Blast david@moontreelc.com</p> <p>ARCHITECTURAL: Paradigm Engineers & 9000 Wessex Pl, Suite 202, Louisville, John Slattery, COO john.slattery@paradigmusa.com</p> <p>FIRE PROTECTION: Paradigm Engineers & 9000 Wessex Pl, Suite 202, Louisville, Rick rick.ingram@paradigmusa.com</p> <p>PLUMBING: Burns & McDonnell 9400 Ward Parkway, Kansas City, Sean sfischbach@burnsmcd.com</p> <p>MECHANICAL: Burns & McDonnell 9400 Ward Parkway, Kansas City, Sean sfischbach@burnsmcd.com</p> <p>ELECTRICAL: Paradigm Engineers & 9000 Wessex Pl, Suite 202, Louisville, Wayne wayne.meyer@paradigmusa.com</p>	<p>This project involves the provision of approximately 8,121 gross square feet for a new Boiler Plant on the property of the Sioux Falls VA Health Care System. Currently, the existing boiler plant houses 3, 400 HP Johnston boilers. The new boiler plant will house 3 boilers as well, sized appropriately according to the guidance in the Steam Boiler Design Manual.</p> <p>The Site Selected during the Concept Phase is located as close to the infrastructure as possible, while maintaining 50' setbacks and avoiding underground utilities. Relocation of some utilities and steam lines under required along with infrastructure connections to water, storm, gas, telecommunications.</p> <p>New storage tanks for fuel and water will be installed under ground in impact to utilities and ensure security requirements according to PSRDM guidelines.</p> 	<p>00_GENERAL G0001 COVER SHEET AND INDEX G1001 LIFE SAFETY PLANS AND CODE INFORMATION G1002 LIFE SAFETY - UL PENETRATIONS G1003 LIFE SAFETY - UL PENETRATIONS G1004 PROJECT BOARD SIGN (X1) PLAN & DETAILS G1005 PROJECT BOARD SIGN (X2) PLAN & DETAILS G1006 PROJECT BOARD SIGN (X3) PLAN & DETAILS G1007 PCRA, ICRA, & LSM FORMS G1008 PCRA, ICRA, & LSM FORMS G1009 PCRA, ICRA, & LSM FORMS G1010 CATEX / NEPA FORMS</p> <p>02_CIVIL C-001 CIVIL LEGEND, ABBREVIATIONS, AND GENERAL NOTES CD101 CIVIL EXISTING CONDITIONS / DEMOLITION PLAN CD102 CIVIL EXISTING CONDITIONS / DEMOLITION PLAN CS101 CIVIL SITE PLAN CS102 CIVIL SITE PLAN CG101 CIVIL GRADING PLAN CG102 CIVIL GRADING PLAN CG103 CIVIL EROSION CONTROL PLAN CG104 CIVIL EROSION CONTROL PLAN CU101 CIVIL UTILITIES PLAN CU102 CIVIL UTILITIES PLAN CU103 CIVIL UTILITIES PLAN-PHASE CJ301 CIVIL UTILITY PROFILE CJ302 CIVIL UTILITY PROFILE CK501 DETAILS CK502 DETAILS CK503 DETAILS</p> <p>03_STRUCTURAL SG001 GENERAL STRUCTURAL NOTES SG002 GENERAL STRUCTURAL NOTES SG003 GENERAL STRUCTURAL DETAILS SG004 LIGHT GAUGE FRAMING DETAILS SG005 GENERAL STRUCTURAL DETAILS SG006 EQUIPMENT BRACING AND ANCHORAGE DETAILS SB101 FOUNDATION AND SLAB PLANS SF102 MEZZANINE AND CATWALK FRAMING PLANS SF103 ROOF FRAMING AND SLAB PLANS SF104 ROOF SLAB REINFORCING DIAGRAM SE201 WALL ELEVATION REINFORCING DIAGRAMS SB301 FOUNDATION DETAILS SB302 FOUNDATION DETAILS SF401 FRAMING DETAILS SF402 FRAMING DETAILS</p>	<p>04_ARCHITECTURAL ELEMENTS AE 001 ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND GENERAL NOTES AE101 FIRST FLOOR PLAN - DIMENSION ENLARGED FLOOR PLAN - DIMENSIONS, WALL TYPES AE102 FIRST FLOOR - NOTES, ENLARGED FLOOR PLAN - NOTES AE103 MEZZANINE FLOOR PLAN - NOTES, ENLARGED FLOOR PLAN - NOTES AE104 ROOF PLAN AND DETAILS AE111 REFLECTED CEILING PLAN AND DETAILS AE121 FINISH PLAN, SCHEDULES, AND DETAILS AE200 EXTERIOR ELEVATIONS - OVERALL AE300 BUILDING SECTIONS AE301 WALL SECTIONS & DETAILS AE302 EXTERIOR WALL DETAILS AE400 INTERIOR ELEVATIONS, CASEWORK SCHEDULE AE410 STAIR AND RAILING SECTIONS - DETAILS AE411 STAIR AND RAILING SECTIONS - DETAILS AE500 INTERIOR WALL DETAILS AE600 DOOR, WINDOW, AND FRAME SCHEDULES AND DETAILS A1001 LOUVER SCHEDULE A1011 FURNITURE PLAN A1012 WAYFINDING PLAN A201 WAYFINDING SIGNAGE ELEVATIONS & DETAILS A202 WAYFINDING SIGNAGE ELEVATIONS & DETAILS A203 WAYFINDING SIGNAGE ELEVATIONS & DETAILS</p> <p>07_FIRE PROTECTION FX001 FIRE PROTECTION ABBREVIATIONS, SYMBOLS AND GENERAL NOTES FX101 FIRE PROTECTION FIRST FLOOR FX102 FIRE PROTECTION MEZZANINE FX501 FIRE PROTECTION DETAILS</p> <p>08_PLUMBING P000 PLUMBING GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS PL101 PLUMBING PLANS PL102 PLUMBING PLANS PL200 PLUMBING PLANS PL201 PLUMBING DISTRIBUTION PIPING PLAN PL300 PLUMBING SECTIONS PL500 PLUMBING DETAILS PL501 PIPING DETAILS PL600 PLUMBING SCHEDULES PL700 WATER FLOW DIAGRAM PL701 PLUMBING WATER RISER DIAGRAM PL702 PLUMBING DOMESTIC WATER RISER DIAGRAM PW703 PLUMBING WASTE/VENT RISER DIAGRAM</p>	<p>09_MECHANICAL M4000 MECHANICAL GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS MH101 MECHANICAL HVAC PLANS MH102 MECHANICAL HVAC PLANS-ROOF MH200 MECHANICAL HVAC PLANS MH300 MECHANICAL HVAC SECTIONS MH500 MECHANICAL HVAC DETAILS MH600 MECHANICAL HVAC SCHEDULES MT000 MECHANICAL CONTROLS MQ100 MECHANICAL EQUIPMENT PLAN MD101 STEAM DISTRIBUTION DEMOLITION PIPING PLAN MP101 PIPING PLAN FIRST FLOOR MP102 STEAM DISTRIBUTION PIPING PLAN - SOUTH MP103 STEAM DISTRIBUTION PIPING PLAN - NORTH MP104 PIPING SUPPORT PLAN MP105 FUEL OIL DISTRIBUTION PIPING PLAN MP106 PIPING PLAN MEZZANINE FLOOR MP301 PIPING PLAN SECTIONS MP302 PIPING PLAN SECTIONS MP500 PIPING DETAILS MP501 PIPING DETAILS MP502 PIPING DETAILS MP503 PIPING DETAILS MP504 PIPING DETAILS MP505 PIPING DETAILS MP506 PIPING DETAILS MP600 STEAM GENERATION SCHEDULES MP700 STEAM FLOW DIAGRAM MP701 FUEL OIL FLOW DIAGRAM MP702 CAMPUS STEAM AND CONDENSATE DISTRIBUTION SCHEMATIC</p>	<p>10_ELECTRICAL (CONTINUED) EL503 LOW VOLTAGE LIGHTING DIAGRAM & DETAILS EL504 FIRST FLOOR LIGHTING CALCULATION EL505 FIRST FLOOR EGRESS LIGHTING CALCULATION EL506 MEZZANINE LIGHTING CALCULATION EL507 MEZZANINE EGRESS LIGHTING CALCULATION EL508 PARKING LOT LIGHTING CALCULATION EM101 MOTOR AND EQUIPMENT PLAN FIRST FLOOR EM102 ELECTRICAL POWER AND EQUIPMENT PLAN - MEZZANINE EM201 MOTOR AND EQUIPMENT SCHEDULE EM202 MOTOR AND EQUIPMENT SCHEDULE EP101 ELECTRICAL POWER PLAN FIRST FLOOR EP102 ENLARGED ELECTRICAL ROOM PLANS EP103 ELECTRICAL POWER PLAN MEZZANINE EP501 NORMAL POWER ONE-LINE DIAGRAM EP502 NORMAL POWER STANDBY POWER ONE-LINE DIAGRAM EP503 NORMAL POWER ONE-LINE DIAGRAM EP504 POWER CUT SHEET INFORMATION AND ELECTRICAL SCHEDULES EP601 PANEL SCHEDULES EP602 PANEL SCHEDULES EP603 PANEL SCHEDULES EP604 PANEL SCHEDULES ES101 ELECTRICAL SITE PLAN ES102 BUILDING 11 - FIRST FLOOR ES103 BUILDING 5 GROUND FLOOR LOOP "A" & "B" ES104 BUILDING 5 FIRST FLOOR LOOP "A" & "B" ES105 NEW TUNNEL PLAN ES106 ELECTRICAL SECURITY GATE PLAN ET101 TELECOMMUNICATIONS PLAN FIRST FLOOR ET501 TELECOMMUNICATIONS DETAILS ET502 TELECOMMUNICATIONS DETAILS EY101 ELECTRICAL SYSTEMS PLAN FIRST FLOOR EY501 SYSTEM DETAILS FA001 FIRE ALARM LEGEND, GENERAL NOTES AND ABBREVIATIONS FA101 FIRE ALARM PLAN FIRST FLOOR FA102 FIRE ALARM PLAN MEZZANINE FA501 FIRE ALARM DETAILS FA502 FIRE ALARM DETAILS</p>

ADDENDUM 1	08-09-2024
ADDENDUM 2	09-12-2024
ADDENDUM 3	01-24-2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

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STAMP

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

Drawing Title
COVER SHEET AND INDEX

Approved: Project Director

Phase
100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
SIOUX FALLS BOILER PLANT

Location
VAMC-Sioux Falls: 2501 W 22nd St, Sioux Falls, SD 57105

Issue Date
01-24-2025

Checked
TL

Drawn
EB

Project Number
438-22-900

Building Number
12

Drawing Number
G1001