



U.S. Department of Veterans Affairs
Veterans Health Administration

PROJECT NAME:

CONSTRUCT NEW SPS

SITE ADDRESS:

2501 WEST 22ND STREET. SIOUX FALLS, SD 57105

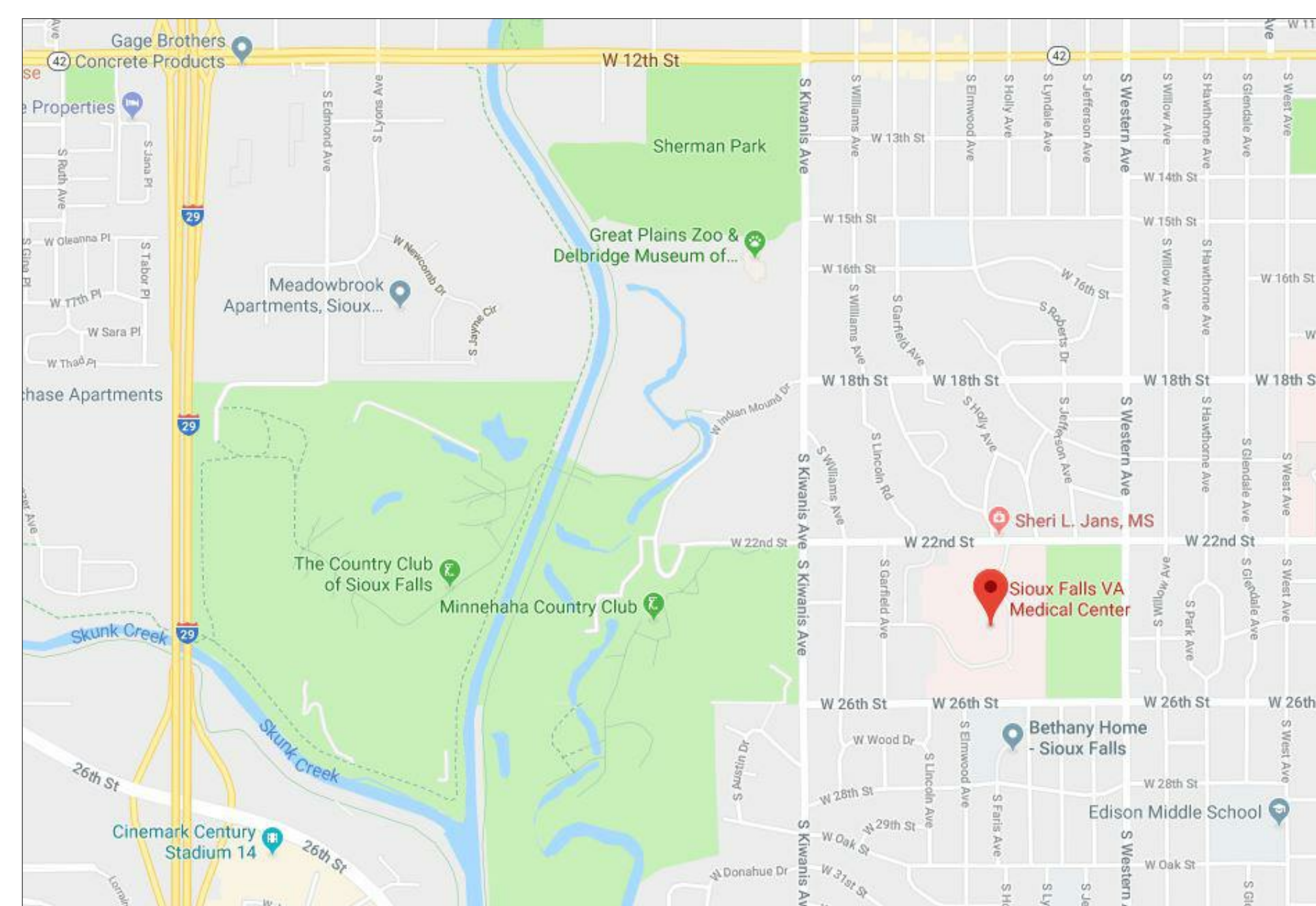
VA PROJECT NUMBER:

438-460

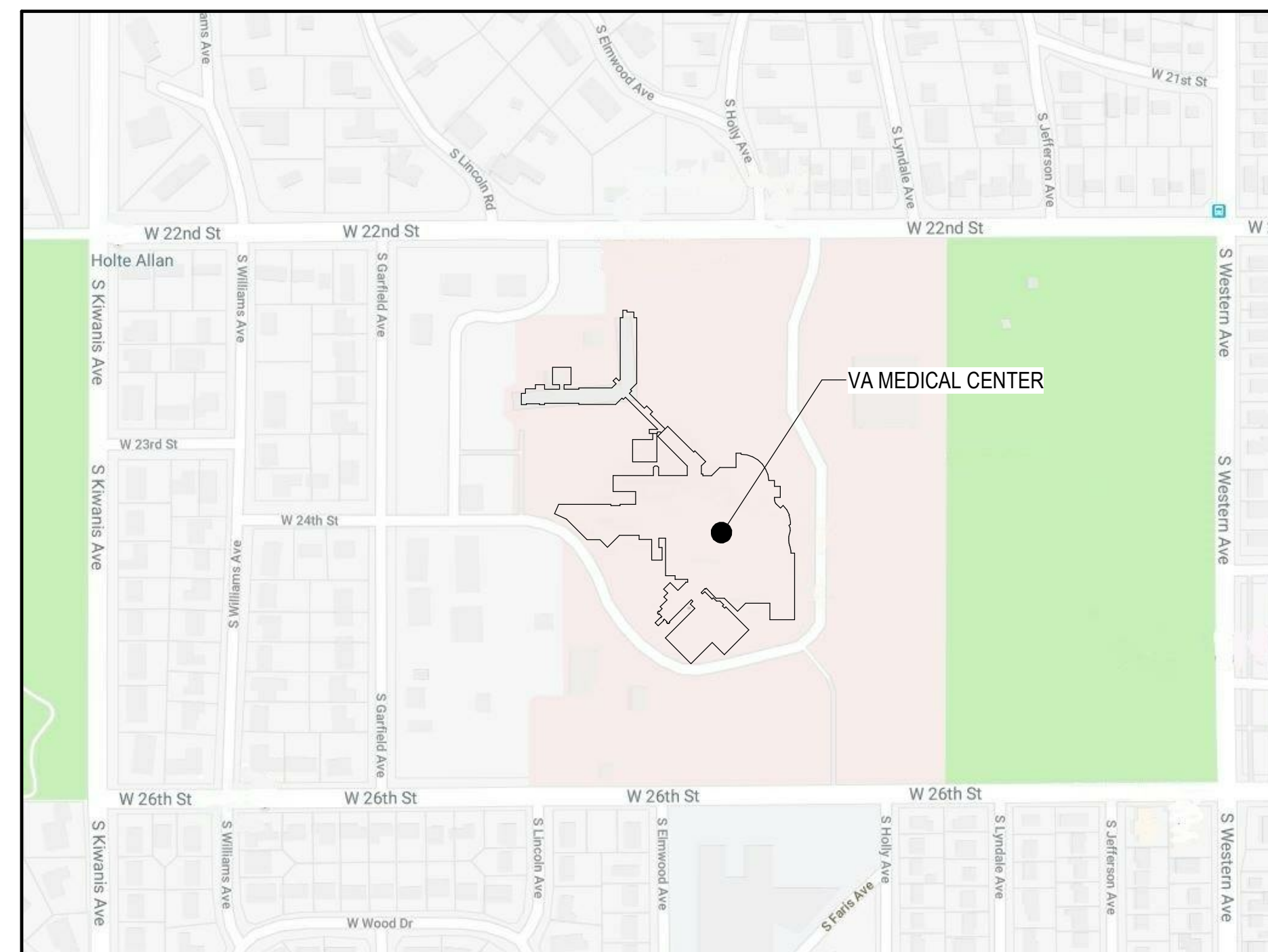
OWNER AND CONSULTANTS:

VA COR:	ARCHITECT:	STRUCTURAL ENGINEER:
CONTACT: Brooke White	NAME: ANDERSON ENGINEERING OF MN, LLC	NAME: IMEG Corp.
ADDRESS: 2501 WEST 22ND STREET, BUILDING 17 SIOUX FALLS, SD 57105	ADDRESS: 13605 1ST AVE NORTH, SUITE 100 PLYMOUTH, MN 55441	ADDRESS: 1410 WEST RUSSELL STREET SIOUX FALLS, SD 57104
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	PHONE: 763-412-4000	PHONE: 605.331.2505
	CIVIL ENGINEER:	MECH/ELEC/PLUMB/FIRE ENGINEER:
	NAME: ANDERSON ENGINEERING OF MN, LLC	NAME: IMEG Corp.
	ADDRESS: 13605 1ST AVE NORTH, SUITE 100 PLYMOUTH, MN 55441	ADDRESS: 2882 106TH STREET DES MOINES, IA 50322
	CONTACT: EDWIN BRODMARKLE	CONTACT: Eric Henderson
	PHONE: 763-412-4000	PHONE: 630.717.2433
	LANDSCAPE ARCHITECTURE:	
	NAME: ANDERSON ENGINEERING OF MN, LLC	
	ADDRESS: 13605 1ST AVE NORTH, SUITE 100 PLYMOUTH, MN 55441	
	CONTACT: CURT CLAEYS	
	PHONE: 763-412-4000	

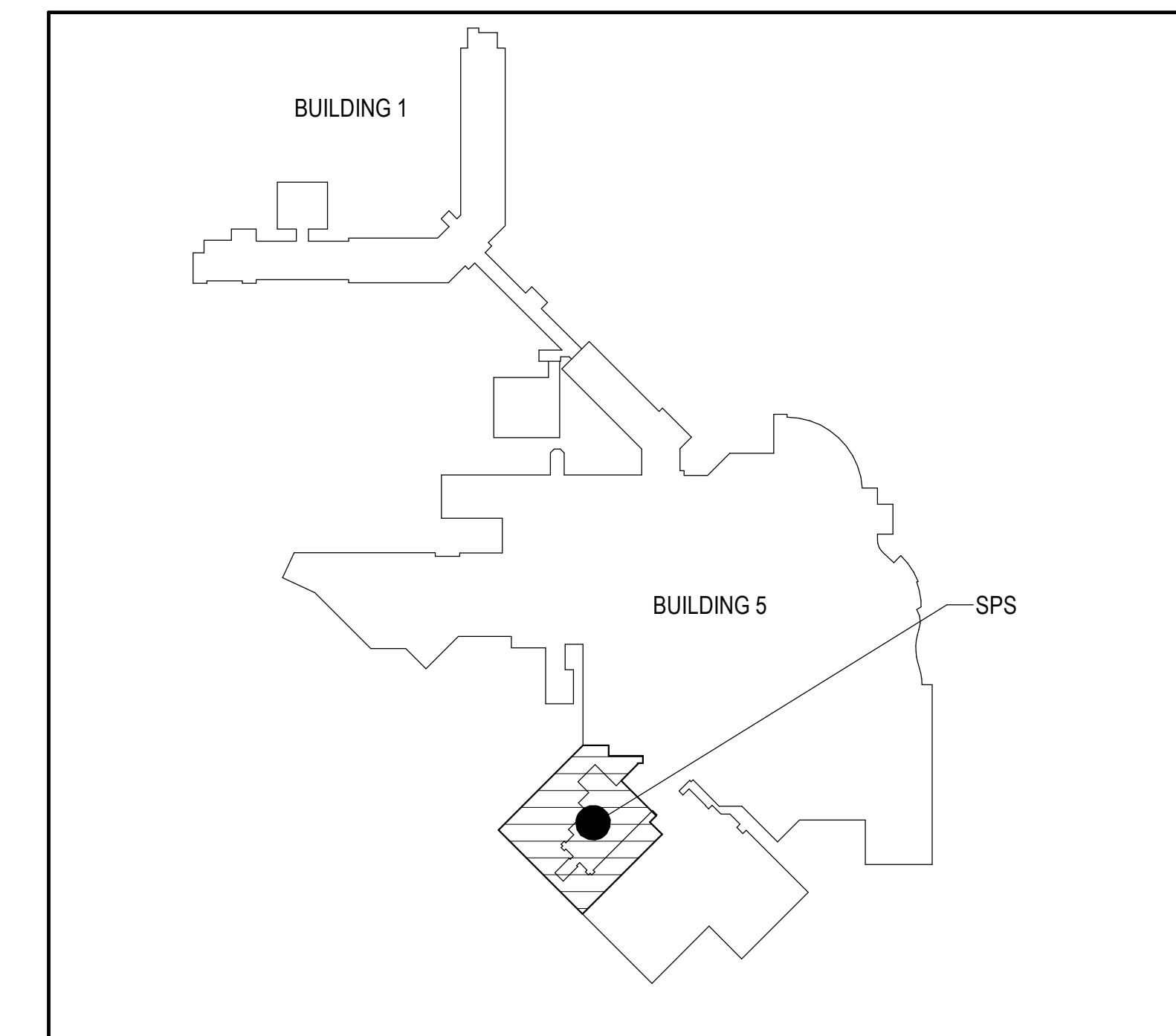
VICINITY MAP:



SITE LOCATION MAP:



KEY PLAN:



Revisions:	Date:

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
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Anderson Engineering of Minnesota, LLC | Proj # 16584

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Tom Oleasak*
Date: 02/14/2025
License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
COVER SHEET

Approved: _____

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD.

Issue Date
02/14/2025

Checked
LA

Drawn
GJB

Project Number
438-460

Building Number
5

Drawing Number
G1000

SHEET ABBREVIATION AND NUMBERING

DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	FLOOR LEVEL	SHEET GROUPING	ZONE NUMBER
AE	111	-	01	
AE 111-01 ARCHITECTURAL ELEMENTS, PLAN, FIRST LEVEL, FLOOR PLAN, ZONE 1				
DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	FLOOR LEVEL	SHEET GROUPING	ZONE NUMBER
AF	670			
AF 670 ARCHITECTURAL FINISHES, FINISH SCHEDULE				
DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	FLOOR LEVEL	SHEET GROUPING	ZONE NUMBER
QH	110	-	01	
QH110-01 EQUIPMENT HOSPITAL, PLAN, FIRST LEVEL, ZONE 1				
DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	FLOOR LEVEL	SHEET GROUPING	ZONE NUMBER
AE	512			
AE 501 ARCHITECTURAL ELEMENTS, EXTERIOR PLAN DETAILS				

DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	FLOOR LEVEL	SHEET GROUPING
GC - GENERAL CONTRACT	0 - GENERAL	0 - LOWER LEVEL	GENERAL:
GI - GENERAL INFORMATION	1 - PLANS	1 - FIRST LEVEL	00-10 - TITLE SHEET, NOTES, ABBREVIATIONS, SYMBOLS, SCHEDULES
AC - ARCHITECTURAL RCP	2 - ELEVATIONS	2 - SECOND LEVEL	PLANS:
AD - ARCHITECTURAL DEMOLITION	3 - SECTIONS	3 - THIRD LEVEL	1 - LEVEL FLOOR PLAN
AS - ARCHITECTURAL SITE	4 - LARGE SCALE VIEWS	4 - FOURTH LEVEL	2 - DIMENSION PLAN
AE - ARCHITECTURAL ELEMENTS	5 - DETAILS		ELEVATIONS:
AF - ARCHITECTURAL FINISHES	6 - SCHEDULES & DIAGRAMS		01-10 - EXTERIOR ELEVATIONS
IF - INTERIOR FURNISHINGS			11-19 - INTERIOR ELEVATION
QC - EQUIPMENT LAUNDRY			SECTIONS:
QF - EQUIPMENT FOOD SERVICE			01-10 - BUILDING SECTIONS
QH - EQUIPMENT HOSPITAL			11-19 - WALL SECTIONS
QL - EQUIPMENT LABORATORY			20-29 - STAIR SECTIONS & PLANS
			DETAILS:
			01-19 - EXTERIOR PLAN DETAILS
			20-29 - EXTERIOR SECTION DETAILS
			30-39 - ROOF DETAILS
			40-49 - INTERIOR PLAN DETAILS
			50-59 - INTERIOR SECTION DETAILS
			60-69 - CEILING DETAILS

SHEET INDEX - GENERAL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
G000	COVER SHEET	
G001	SHEET INDEX	
G002	ABBREVIATIONS	
G101	GROUND LEVEL LIFE SAFETY PLAN	
G111	INTERSTITIAL/FIRST LEVEL LIFE SAFETY PLAN	
G201	GROUND LEVEL INFECTION CONTROL & LIFE SAFETY PLAN	
G211	FIRST LEVEL INFECTION CONTROL & PHASING PLAN	

SHEET INDEX - CIVIL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
VB101	SITE SURVEY & MAPPING	
CD101	DEMOLITION PLAN	
CS101	SITE LAYOUT PLAN	
CG101	GRADING PLAN	
CG102	EROSION CONTROL PLAN	
CU101	UTILITY PLAN	
CU103	SANITARY SEWER PLAN AND PROFILE	
CU104	STORM SEWER PLAN AND PROFILE	
CU105	STORM SEWER PLAN AND PROFILE	
CU106	WATER LINE PLAN AND PROFILE	
CP101	PAVING & JOINT LAYOUT PLAN	
C-501	RAMP SITE DETAILS	
C-502	STAIRS SITE DETAILS	
C-503	RETAINING WALL SITE DETAILS	
C-504	CIVIL DETAILS	
C-505	CIVIL DETAILS	
C-506	CIVIL DETAILS	
C-507	CIVIL DETAILS	
LP101	PLANTING PLAN	
LP201	PLANTING DETAILS	
LF101	SITE FURNISHINGS PLAN	
LF501	SITE FURNISHINGS DETAILS	
LF502	SITE FURNISHINGS DETAILS	
IR101	IRRIGATION PLAN	
IR501	IRRIGATION DETAILS	
IR502	IRRIGATION DETAILS	
IR503	IRRIGATION DETAILS	
IR504	IRRIGATION DETAILS	

SHEET INDEX - STRUCTURAL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
SG000	GENERAL NOTES	
SG001	TESTING SCHEDULES	
SB100	PARTIAL BASEMENT FOUNDATION PLAN	
SB101	GROUND LEVEL FOUNDATION PLAN	
SB102	GROUND LEVEL COLUMN LOADS	
SB103	ENLARGED PLANS AND SECTIONS	
SB200	SECTIONS - FOUNDATION	
SB201	SECTIONS - FOUNDATION	
SF102	FIRST FLOOR & ROOF FRAMING PLAN	
SF103	ROOF FRAMING PLAN	
SF210	SECTIONS - FLOOR	
SF220	SECTIONS - ROOF	
SF221	SECTIONS - ROOF	
SF230	BRACE FRAME ELEVATIONS & SECTIONS	

SHEET INDEX - HAZARDOUS MATERIALS

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
HA101	ASBESTOS CONTAINING MATERIALS	
HA102	LEAD CONTAINING MATERIAL	

SHEET INDEX - ARCHITECTURAL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
AD101	GROUND LEVEL DEMOLITION PLAN	
AD111	INTERSTITIAL/FIRST LEVEL DEMOLITION PLAN	
AD200	DEMOLITION WALL SECTIONS AND DETAILS	
AE101	GROUND LEVEL FLOOR PLAN	
AE102	GROUND LEVEL DIMENSION PLAN	
AE111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN	
AE112	INTERSTITIAL/FIRST LEVEL DIMENSION PLAN	
AC101	GROUND LEVEL REFLECTED CEILING PLAN	
AC111	INTERSTITIAL/FIRST LEVEL REFLECTED CEILING PLAN	
AE21	ROOF PLAN	
AE201	EXTERIOR ELEVATIONS	
AE211	INTERIOR ELEVATIONS	
AE212	INTERIOR ELEVATIONS	
AE301	BUILDING SECTIONS	
AE302	BUILDING SECTIONS	
AE311	WALL SECTIONS	
AE312	WALL SECTIONS	
AE313	WALL SECTIONS	
AE314	WALL SECTIONS	
AE320	STAIR SECTIONS AND ENLARGED PLANS	
AE321	STAIR SECTIONS AND ENLARGED PLANS	
AE322	STAIR SECTIONS - PARTITIONS AT EXISTING STAIR	
AE411	ENLARGED PLANS & INTERIOR ELEVATIONS	
AE412	ENLARGED PLANS & INTERIOR ELEVATIONS	
AE413	ENLARGED PLAN, SECTIONS AND DETAILS - CART WASH	
AE501	EXTERIOR PLAN DETAILS	
AE502	EXTERIOR PLAN DETAILS	
AE503	EXTERIOR PLAN DETAILS	
AE520	EXTERIOR SECTION DETAILS	
AE521	EXTERIOR SECTION DETAILS	
AE530	ROOF DETAILS	
AE531	ROOF DETAILS	
AE540	INTERIOR PLAN DETAILS	
AE541	INTERIOR PLAN DETAILS	
AE542	INTERIOR PLAN DETAILS	
AE543	INTERIOR PLAN DETAILS	
AE550	INTERIOR SECTION DETAILS	
AE551	INTERIOR SECTION DETAILS	
AE552	INTERIOR SECTION DETAILS	
AE560	CEILING DETAILS	
AE601	INTERIOR PARTITION & WALL TYPES AND DETAILS	
AE602	DOOR SCHEDULE AND ELEVATIONS, CAST STONE PROFILES AND WINDOW TYPES	
AE640	MOUNTING HEIGHTS	

SHEET INDEX - INTERIOR

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
AF101	FINISH PLANS	
AF102	GROUND LEVEL WALL PROTECTION PLAN	
AF600	ROOM FINISH SCHEDULE AND INTERIOR FINISH DETAILS	
AW101	GROUND LEVEL WAYFINDING PLAN	
AW601	WAYFINDING MESSAGE SCHEDULES & SIGNAGE DETAILS	

SHEET INDEX - EQUIPMENT

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
QH101	GROUND LEVEL EQUIPMENT PLAN & SCHEDULE	
QH111	ENLARGED EQUIPMENT PLAN & SCHEDULE	

SHEET INDEX - FIRE PROTECTION

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
FP000	FIRE PROTECTION COVERSHEET	
FPD101	GROUND LEVEL DEMOLITION PLAN - FIRE PROTECTION	
FP101	GROUND LEVEL FLOOR PLAN - FIRE PROTECTION	
FP111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - FIRE PROTECTION	
FP400	FIRE PROTECTION DETAILS	

SHEET INDEX - MECHANICAL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
MV000	VENTILATION COVERSHEET	
MVD091	PIPE BASEMENT DEMOLITION PLAN - VENTILATION	
MVD102	GROUND LEVEL FLOOR DEMOLITION PLAN - VENTILATION	
MVD112	FIRST LEVEL DEMOLITION PLAN - VENTILATION	
MV081	PIPE BASEMENT FLOOR PLAN - VENTILATION	
MV101	GROUND LEVEL FLOOR PLAN - VENTILATION	
MV111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - VENTILATION	
MV121	ROOF PLAN - VENTILATION	
MV300	VENTILATION ENLARGED PLANS	
MV301	VENTILATION ENLARGED PLANS	
MV400	VENTILATION DETAILS	
MV401	VENTILATION DETAILS	
MV402	VENTILATION DETAILS	
MV600	VENTILATION SCHEDULES	
MP000	PIPING COVERSHEET	
MPD091	PIPE BASEMENT DEMOLITION PLAN - PIPING	
MPD101	GROUND LEVEL FLOOR DEMOLITION PLAN - PIPING	
MPD111	FIRST LEVEL DEMOLITION PLAN - PIPING	
MPD151	FIFTH LEVEL DEMOLITION PLAN - PIPING	
MP101	PIPE BASEMENT FLOOR PLAN - PIPING	
MP101	GROUND LEVEL FLOOR PLAN - PIPING	
MP111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - PIPING	
MP121	ROOF PLAN - PIPING	
MP400	PIPING DETAILS	
MP401	PIPING DETAILS	
MP500	STEAM FLOW DIAGRAM	
MP501	HEATING WATER FLOW DIAGRAM	
MP502	CHILLED WATER FLOW DIAGRAM	
MP600	PIPING SCHEDULES	
MC000	CONTROLS COVERSHEET	
MC101	GROUND LEVEL FLOOR PLAN - CONTROLS	
MC102	FIRST LEVEL FLOOR PLAN - ROOM PRESSURIZATION PLAN	
MC111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - CONTROLS	
MC121	ROOF PLAN - CONTROLS	
MC400	CONTROL DIAGRAMS	
MC401	CONTROL DIAGRAMS	
MC402	CONTROL DIAGRAMS	
MC403	CONTROL DIAGRAMS	
MC404	CONTROL DIAGRAMS	

SHEET INDEX - ELECTRICAL

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
E000	ELECTRICAL COVERSHEET	
FA001	ELECTRICAL FIRE ALARM COVERSHEET	
ES-100	NEW ELECTRICAL SITE PLAN	
ED101	GROUND LEVEL FLOOR DEMOLITION PLAN - ELECTRICAL	
ED121	ROOF DEMOLITION PLAN - ELECTRICAL	
EL101	GROUND LEVEL FLOOR PLAN - LIGHTING	
EL111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - LIGHTING	
EP101	GROUND LEVEL FLOOR PLAN - POWER	
EP102	PARTIAL GROUND LEVEL FLOOR PLAN - POWER	
EP111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - POWER	
EP121	ROOF PLAN - POWER	
EP151	FIFTH LEVEL FLOOR PLAN - POWER	
FA101	GROUND LEVEL FLOOR PLAN - FIRE ALARM	
FA111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - FIRE ALARM	
E400	ELECTRICAL DETAILS	
E401	ELECTRICAL DETAILS	
E402	ELECTRICAL DETAILS	
E500	ELECTRICAL ONE-LINE DIAGRAMS	
E501	ELECTRICAL ONE-LINE DIAGRAMS	
E500	ELECTRICAL SCHEDULES	
E601	ELECTRICAL SCHEDULES	

SHEET INDEX - TECHNOLOGY

SHEET NO.	SHEET TITLE	BID DOCUMENTS 02/14/2025
T000	TECHNOLOGY COVERSHEET	
T001	GROUND LEVEL OVERALL PLAN - TECHNOLOGY	
T002	LEVEL 01 OVERALL PLAN - TECHNOLOGY	
TD101	GROUND LEVEL FLOOR DEMOLITION PLAN - TECHNOLOGY	
TD101	GROUND LEVEL FLOOR PLAN - TECHNOLOGY	
TD101	GROUND LEVEL FLOOR PLAN - TECHNOLOGY	
TD101	GROUND LEVEL FLOOR PLAN - TECHNOLOGY	
T111	INTERSTITIAL/FIRST LEVEL FLOOR PLAN - TECHNOLOGY	
T300	TECHNOLOGY ROOM ENLARGEMENTS	
T400	TECHNOLOGY DETAILS	
T500	TECHNOLOGY RISER DIAGRAMS	
T600	TECHNOLOGY SCHEDULES	

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Revisions:	Date:

CONSULTANT



2882 106th St, Urbandale, IA 50322

ARCHITECT/ENGINEER OF RECORD



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 Anderson Engineering of Minnesota, LLC | Proj # 16584

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Tom Oleak*
 Date: 02/14/2025
 License Number: 18157

Office of Construction and Facilities Management



U.S. Department of Veterans Affairs

Drawing Title
SHEET INDEX

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD.

Issue Date
02/14/2025

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LA

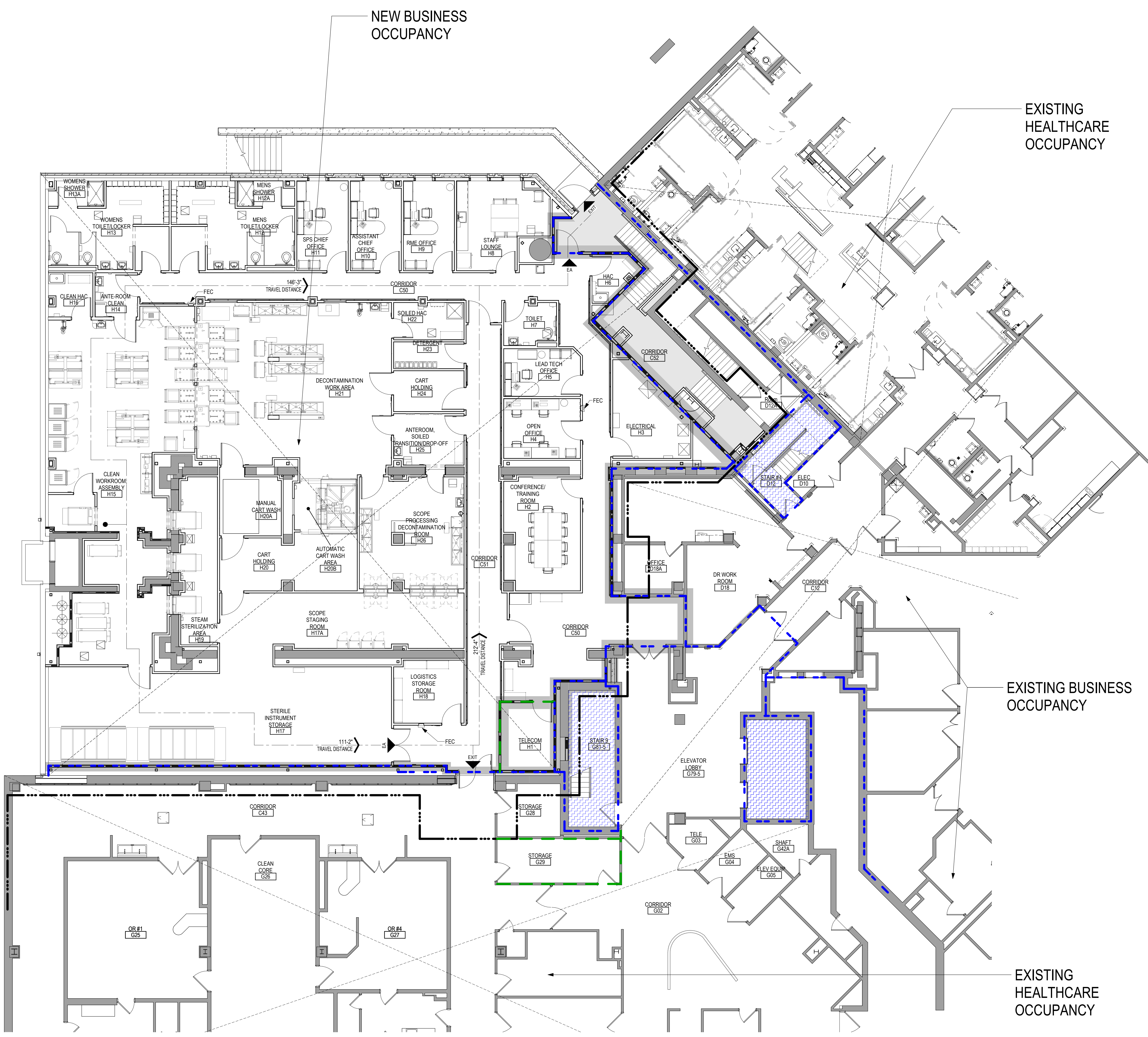
Drawn
GJB

Project Number
438-460

Building Number
5

Drawing Number
G1001

A
B
C
D
E
F



CODE SUMMARY

PROJECT DESCRIPTION
ADDITION TO AND REMODELING OF BUILDING 5 FOR STERILE PROCESSING SERVICE LINE.

GENERAL TYPE OF PROJECT

NEW BUILDING	YES	NO
ADDITION		
REMODEL		

PHYSICAL SECURITY AND RESILIENCY CLASSIFICATION OF PROJECT

MISSION CRITICAL (MC)	YES	NO
LIFE-SAFETY PROTECTED (LSP)		
LIFE-SAFETY PROTECTED (LSP) WITH MC UTILITIES / SYSTEMS REDUNDANCIES		

AUTHORITIES HAVING JURISDICTION (AHJ's)

THE JOINT COMMISSION (TJC)	YES	NO
VETERANS ADMINISTRATION (VA)		

APPLICABLE REGULATIONS

2021 NFPA 101 (LIFE SAFETY CODE)
2018 IBC
ABA STANDARDS (2015) (ABAAS)
VA BARRIER FREE DESIGN STANDARD (PG-18-13)
NFPA NATIONAL FIRE CODES (EXCEPTION: NFPA 5000 & 800)
2018 FGI GUIDELINES
OSHA STANDARDS
VA SEISMIC DESIGN REQUIREMENTS H-18-8
NATIONAL ELECTRIC CODE (NEC)
ASHRAE 90.1
ASME BOILER AND PRESSURE VESSEL CODE
ASME CODE FOR PRESSURE PIPING
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMETARY (ACI 318)
MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
ENERGY POLICY ACT OF 2005 (EPAct)
DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433.434 AND 435
FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
EXECUTIVE ORDER 13834
THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004
SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15-2007
VA FIRE PROTECTION DESIGN MANUAL
VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL (2015)
VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL)

OCCUPANCY CLASSIFICATION(S)

OCCUPANCIES (LSC CH 12-42)	BUSINESS	YES	NO
CHANGE OF OCCUPANCY? (If Remodeling)			
SEPARATED OCCUPANCIES? (2021 LSC, TABLE 6.1.14.1)			
FIRE BARRIER RATINGS(S) (Section 8.3) SEE LIFE SAFETY PLANS			

TYPE(S) OF CONSTRUCTION

CONSTRUCTION TYPE(S) (NAPA 220 TABLE 4.1.1) II (222)

AREA SEPARATIONS / FIRE WALLS SEE LIFE SAFETY PLANS

EGRESS

AREAS OF REFUGE REQUIRED	YES	NO
ACCESSIBLE MEANS OF EGRESS ("MOE") REQUIRED		
ELEVATOR REQUIRED AS MEANS OF EGRESS		
MEANS OF EGRESS CAPACITY (width in inches) (Input)		

PLUMBING FIXTURES

FIXTURE	PROVIDED	RQD	FACTOR (BC CH 29) 1/25 for first 50 occupants, then 1/50
TOILETS	5	2 M, 2 F	
URINALS	0		
LAVATORIES	5	3	1/40 for first 50 occupants, then 1/100 occupants, 50% may be vending
DRINKING FOUNTAINS	1	1	
SERVICE SINKS	3	1	

FIRE-RESISTIVE REQUIREMENTS

STRUCTURAL FRAME	RATING (HRS)	TEST
COLUMNS	2HR	ASTM E119
GIRDERS	2HR	ASTM E119
TRUSSES	2HR	ASTM E119
BEARING WALLS		
EXTERIOR BEARING WALLS	2HR	ASTM E119
INTERIOR BEARING WALLS	2HR	ASTM E119
NON-BEARING WALLS AND PARTITIONS		
EXTERIOR	0HR	NA
INTERIOR		See Life Safety Plans
FLOOR CONSTRUCTION		
FLOOR/CEILING ASSEMBLY	2HR	ASTM E119
PRIME & SEC. FLOOR BEAMS, JOISTS	1HR	ASTM E119
ROOF CONSTRUCTION		
ROOF/CEILING ASSEMBLY	2HR	ASTM E119
PRIME & SEC. ROOF BEAMS, JOISTS	2HR	ASTM E119
OTHER		
SHAFTS AND EXIT PASSAGEWAYS	2HR	ASTM E119
EXTERIOR DOORS AND WINDOWS	0HR	NA

MISCELLANEOUS

FIRE RESISTIVE CORRIDORS?	YES	NO
SMOKE TIGHT CORRIDORS (SMOKE PARTITIONS)		
INCIDENTAL USE AREA RATINGS(S)		SEE PLANS
INTERIOR FINISHES CLASSIFICATION	EXITS	A or B
	EXIT ACCESS CORRIDORS	A or B
	OTHER SPACES	A, B or C

ADDITIONAL NOTES

LIFE SAFETY SYMBOLS

	1 HOUR FIRE BARRIER		2 HOUR FIRE & SMOKE BARRIER
	2 HOUR FIRE BARRIER		3 HOUR FIRE & SMOKE BARRIER
	3 HOUR FIRE BARRIER		TRAVEL DISTANCE 100'-10"
	EXIT		EXIT DISCHARGE
	HORIZONTAL EXIT		EXIT ACCESS
	FIRE EXTINGUISHER		FIRE EXTINGUISHER CABINET
	LIMITS OF CONSTRUCTION		OCCUPANCY SEPARATION
	SMOKE COMPARTMENT BOUNDARY		HEALTH CARE SUITE
	SHAFT		HAZARDOUS USE
	EXIT PASSAGEWAY		CORRIDOR
	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 19)		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

1 GROUND LEVEL FLOOR PLAN
1/8" = 1'-0"

<p>Revisions:</p> <table border="1"> <tr><th>Date:</th><th> </th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Date:						<p>CONSULTANT</p> <p>IMEG</p> <p>2882 106th St. Urbandale, IA 50322</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>ANDERSON</p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16684</p>	<p>STAMP</p> <p>I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.</p> <p>Name: <i>Tom Oleak</i> Date: 02/14/2025 License Number: 18157</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>GROUND LEVEL LIFE SAFETY PLAN</p> <p>Approved:</p>	<p>Phase</p> <p>BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>CONSTRUCT NEW SPS</p> <p>Location</p> <p>Sioux Falls, SD.</p> <p>Issue Date</p> <p>02/14/2025</p> <p>Checked</p> <p>LA</p> <p>Drawn</p> <p>GJB</p>	<p>Project Number</p> <p>438-460</p> <p>Building Number</p> <p>5</p> <p>Drawing Number</p> <p>G101</p>
	Date:													

A

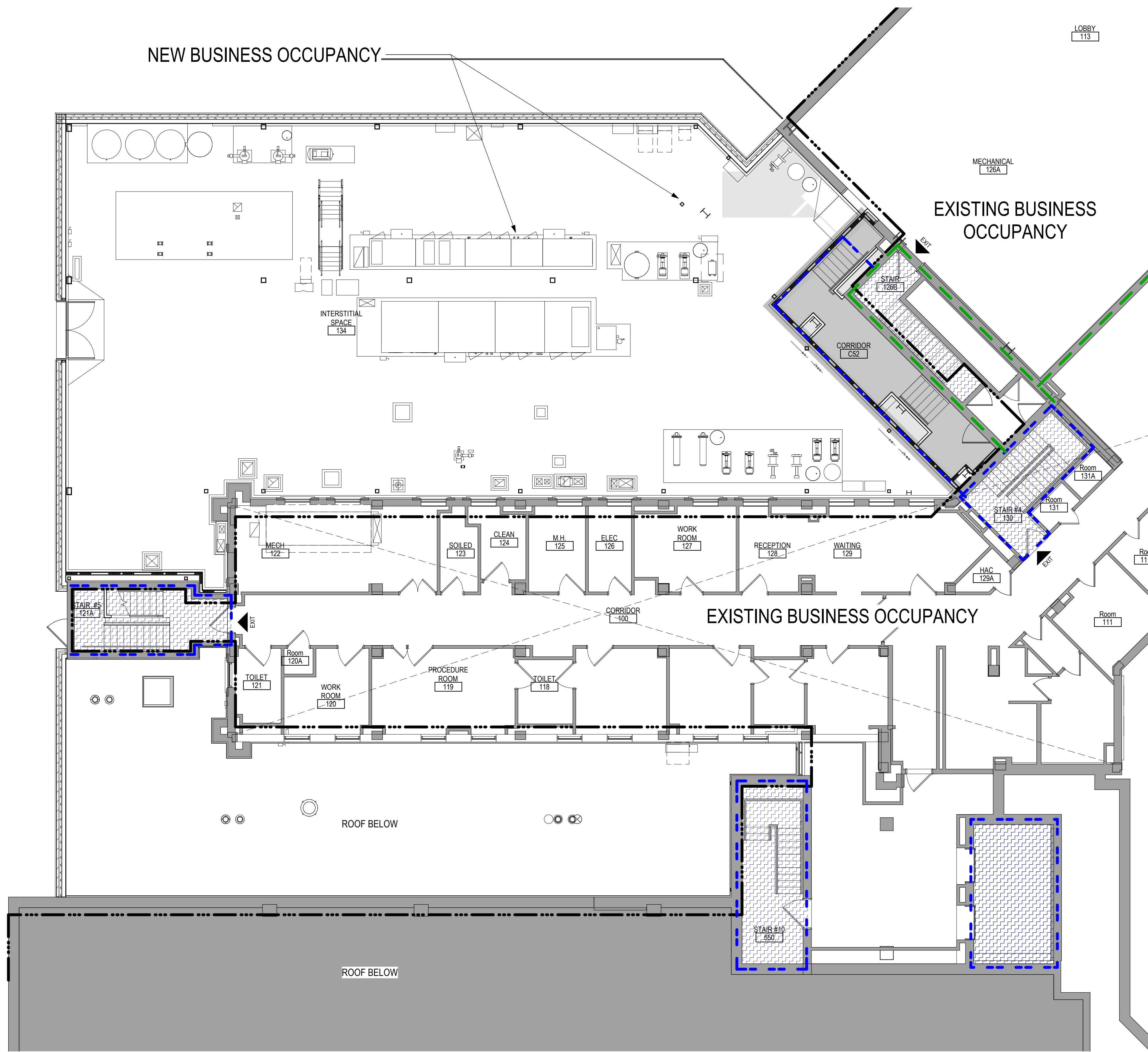
B

C

D

E

F



CODE SUMMARY

PROJECT DESCRIPTION	
ADDITION TO AND REMODELING OF BUILDING 5 FOR STERILE PROCESSING SERVICE LINE.	
GENERAL TYPE OF PROJECT	
NEW BUILDING	YES NO
ADDITION	●
REMODEL	●
PHYSICAL SECURITY AND RESILIENCY CLASSIFICATION OF PROJECT	
MISSION CRITICAL (MC)	●
LIFE-SAFETY PROTECTED (LSP)	
LIFE-SAFETY PROTECTED (LSP) WITH MC UTILITIES / SYSTEMS REDUNDANCIES	
AUTHORITIES HAVING JURISDICTION (AHJs)	
THE JOINT COMMISSION (TJC)	●
VETERANS ADMINISTRATION (VA)	●
APPLICABLE REGULATIONS	
2021 NFPA 101 (LIFE SAFETY CODE)	
2018 IBC	
ABA STANDARDS (2015) (ABAA)	
VA BARRIER FREE DESIGN STANDARD (PG-18-13)	
NFPA NATIONAL FIRE CODES (EXCEPTION: NFPA 5000 & 900)	
2018 FGI GUIDELINES	
OSHA STANDARDS	
VA SEISMIC DESIGN REQUIREMENTS H-18-8	
NATIONAL ELECTRIC CODE (NEC)	
ASHRAE 90.1	
ASME BOILER AND PRESSURE VESSEL CODE	
ASME CODE FOR PRESSURE PIPING	
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMETARY (ACI 318)	
MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)	
ENERGY POLICY ACT OF 2005 (EPAct)	
DOE INTERIM FINAL RULE, ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI-FAMILY HIGH-RISE RESIDENTIAL BUILDINGS AND NEW LOW-RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433.434 AND 435	
FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)	
EXECUTIVE ORDER 13834	
THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS, STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION	
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY - ASHRAE STANDARD 62.1-2004	
SAFETY STANDARD FOR REFRIGERATION SYSTEMS - ASHRAE STANDARD 15-2007	
VA FIRE PROTECTION DESIGN MANUAL	
VA PHYSICAL SECURITY AND RESILIENCY DESIGN MANUAL (2015)	
VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARDS APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL)	

OCCUPANCY CLASSIFICATION(S)	
OCCUPANCIES (LSC CH 12-42)	BUSINESS YES NO
CHANGE OF OCCUPANCY? (If Remodeling)	●
SEPARATED OCCUPANCIES? (2021 LSC TABLE 6.1.14.1)	●
FIRE BARRIER RATING(S) (Section 8.3)	SEE LIFE SAFETY PLANS

TYPE(S) OF CONSTRUCTION	
CONSTRUCTION TYPE(S) (NAPA 220 TABLE 4.1.1) # (222)	
AREA SEPARATIONS / FIRE WALLS	SEE LIFE SAFETY PLANS

EGRESS	
AREAS OF REFUGE REQUIRED	●
ACCESSIBLE MEANS OF EGRESS ("MOE") REQUIRED	
ELEVATOR REQUIRED AS MEANS OF EGRESS	
MEANS OF EGRESS CAPACITY (width in inches)	(Input)

PLUMBING FIXTURES			
TOILETS	5	RQD	2 M, 2 F
URINALS	0	---	---
LAVATORIES	5	3	---
DRINKING FOUNTAINS	1	1	---
SERVICE SINKS	3	1	---

FIRE-RESISTIVE REQUIREMENTS			
		RATING (HRS)	TEST
STRUCTURAL FRAME			
COLUMNS		2HR	ASTM E119
GIRDERS		2HR	ASTM E119
TRUSSES		2HR	ASTM E119
BEARING WALLS			
EXTERIOR BEARING WALLS		2HR	ASTM E119
INTERIOR BEARING WALLS		2HR	ASTM E119
NON-BEARING WALLS AND PARTITIONS			
EXTERIOR		0HR	NA
INTERIOR		See Life Safety Plans	
FLOOR CONSTRUCTION			
FLOOR/CEILING ASSEMBLY		2HR	ASTM E119
PRIME & SEC. FLOOR BEAMS, JOISTS		1HR	ASTM E119
ROOF CONSTRUCTION			
ROOF/CEILING ASSEMBLY		2HR	ASTM E119
PRIME & SEC. ROOF BEAMS, JOISTS		2HR	ASTM E119
OTHER			
SHAFTS AND EXIT PASSAGEWAYS		2HR	ASTM E119
EXTERIOR DOORS AND WINDOWS		0HR	NA

MISCELLANEOUS	
FIRE RESISTIVE CORRIDORS?	YES NO
SMOKE TIGHT CORRIDORS (SMOKE PARTITIONS)	●
INCIDENTAL USE AREA RATING(S) SEE PLANS	
INTERIOR FINISHES CLASSIFICATION	
EXITS	A or B
EXIT ACCESS CORRIDORS	A or B
OTHER SPACES	A, B or C

LIFE SAFETY SYMBOLS

SMOKE TIGHT ASSEMBLY	1 HOUR FIRE & SMOKE BARRIER
1 HOUR FIRE BARRIER	2 HOUR FIRE & SMOKE BARRIER
2 HOUR FIRE BARRIER	3 HOUR FIRE & SMOKE BARRIER
3 HOUR FIRE BARRIER	TRAVEL DISTANCE 100'-10"
EXIT	EXIT DISCHARGE
HE	EXIT ACCESS
FE	FIRE EXTINGUISHER CABINET
---	LIMITS OF CONSTRUCTION OCCUPANCY SEPARATION
---	SMOKE COMPARTMENT BOUNDARY HEALTH CARE SUITE
---	SHAFT ADJACENT SYMBOLS SHOW PARTITION RATING AND DAMPER REQUIREMENTS
---	HAZARDOUS USE ADJACENT SYMBOLS SHOW PARTITION RATING. OPENINGS REQUIRE CLOSER & LATCH
---	EXIT PASSAGEWAY RATE AS STAIR ALL OPENINGS TO BE RATED AS STAIR SHAFT
---	CORRIDOR WALLS TO LIMIT THE TRANSFER OF SMOKE
---	ADJUNCT CORRIDOR or PSYCHIATRIC AREA or CONSTRUCTED WITH MIN. 4'-0" CLEAR WITH (PER CHAPTER 15)

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

1 INTERSTITIAL / FIRST LEVEL LIFE SAFETY PLAN
1/8" = 1'-0"

Revisions:	Date:

CONSULTANT

IMEG

2882 106th St. Urbandale, IA 50322

ARCHITECT/ENGINEER OF RECORD

ANDERSON

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P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 16684

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Name: *Tom Oleasak*
Date: 02/14/2025
License Number: 18157

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
INTERSTITIAL/FIRST LEVEL LIFE SAFETY PLAN

Approved:

Phase
BID DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT NEW SPS

Location
Sioux Falls, SD.

Issue Date
02/14/2025

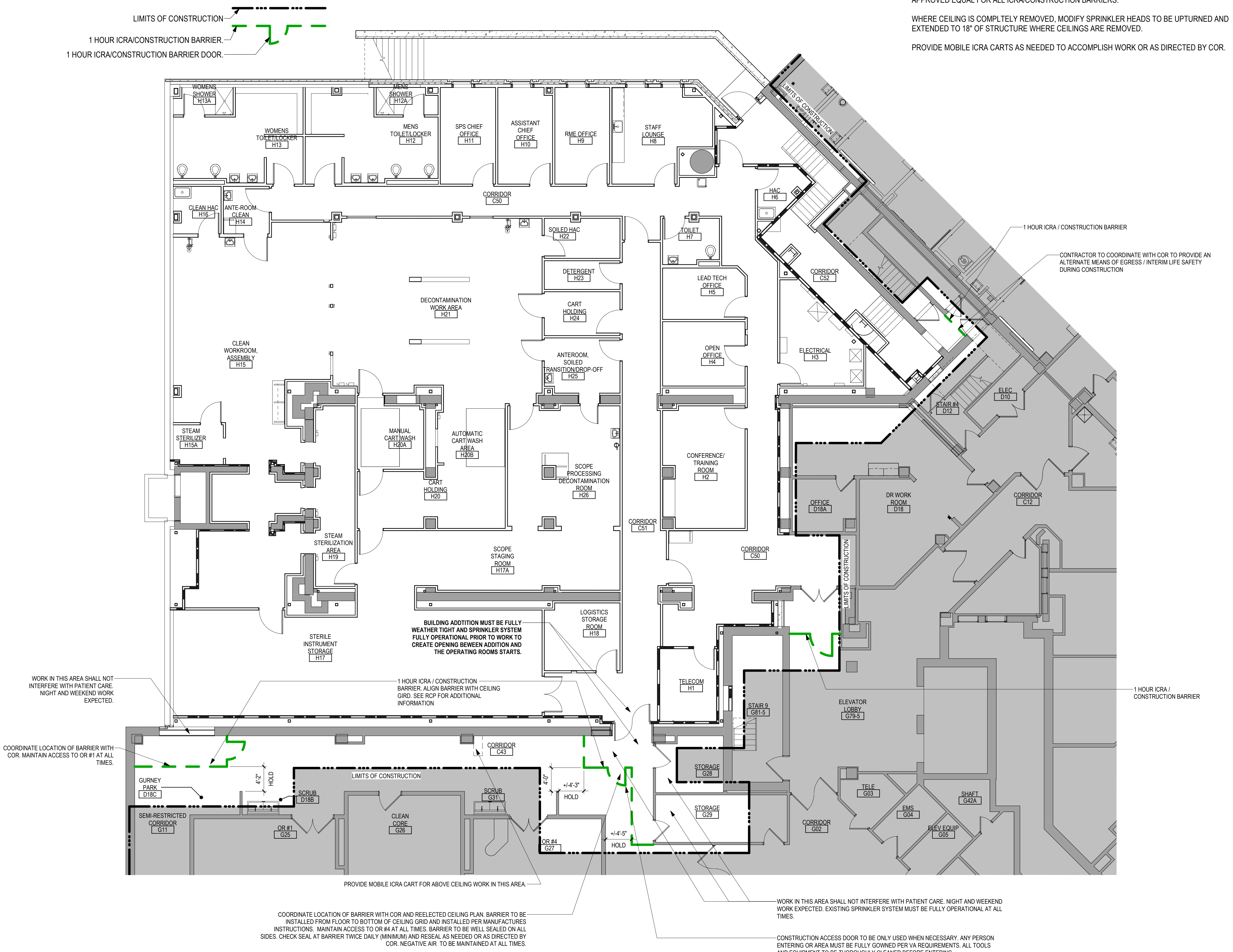
Checked
LA

Drawn
GJB

Project Number
438-460

Building Number
5

Drawing Number
G111



NOTE:
 PROVIDE 1 HOUR FIRE RATED, STARC SYSTEMS FIREBLOCK WALL PANELS OR APPROVED EQUAL FOR ALL ICRA/CONSTRUCTION BARRIERS.
 WHERE CEILING IS COMPLETELY REMOVED, MODIFY SPRINKLER HEADS TO BE UPTURNED AND EXTENDED TO 18" OF STRUCTURE WHERE CEILINGS ARE REMOVED.
 PROVIDE MOBILE ICRA CARTS AS NEEDED TO ACCOMPLISH WORK OR AS DIRECTED BY COR.

- ### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES
- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION.
 - THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS, WHERE PERMITTED BY CLASS ICRA. CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
 - PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
 - AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA INFECTION CONTROL CONSTRUCTION PERMIT TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
 - CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIER(S) FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION WHICH WILL NOT BE DEMOLISHED AND TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER. SEE DETAIL(S): TAPE, MUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
 - CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 AM AND AFTER 5:00 PM OR DIRECTED BY COR.
 - DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE MONITORS, MINIMUM (1) ONE IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
 - LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
 - THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT (4) FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
 - PRIOR TO ANY REMOVAL OF SMOKE BARRIER/FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER/APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

- ### CONSTRUCTION PHASING GENERAL NOTES
- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 1.6.G PHASING.
 - THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
 - THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTORS ON THE PROJECT SITE OR WORK BY OWNER.
 - THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES OF OWNERS PERSONNEL FOR ALL PHASES OF THE WORK.
 - THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWING(S) AND CONSTRUCTION PHASING DESCRIPTION.
 - THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
 - BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
 - ANY ICRA / CONSTRUCTION BARRIERS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
 - THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
 - FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWING(S) AND DEMOLITION PLANS.
 - ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
 - THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
 - THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS' TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

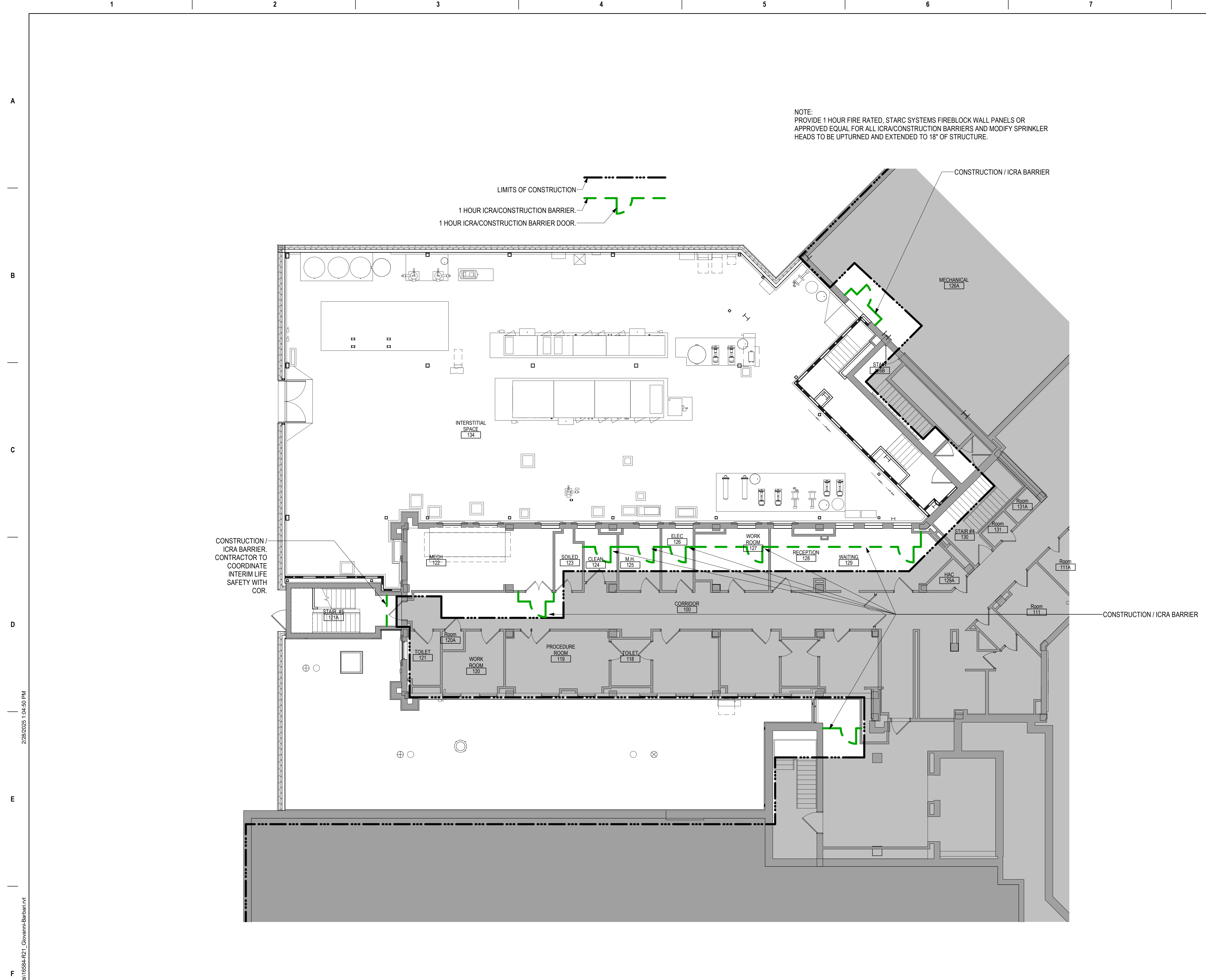
TYPE	DESCRIPTION	RISK GROUP	EXAMPLES
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES INCLUDES, BUT NOT LIMITED TO: REMOVAL OF CEILING TILES FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILINGS OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES. ENGINEERING OR EMS OFFICE/WORK AREAS OFFICE AREAS: AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS. PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST, INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLING, ACCESS TO CHASE SPACES, CUTTING OF WALLS OR CEILING WHENEVER FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> OUTPATIENT AREAS: <ol style="list-style-type: none"> PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS BEHAVIORAL/MENTAL HEALTH AREAS EXTENDED CARE / REHAB CLINIC AREAS COMMUNITY BASED OUTPATIENT CLINICS (CBCOCS)
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED DUCTWORK COMPONENTS OR ASSEMBLIES. INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASSETTEWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT, FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> IN-PATIENT UNITS: <ol style="list-style-type: none"> INCLUDING, BUT NOT LIMITED TO: EMERGENCY DEPT.; NURSING UNITS; RADIOLOGY/RADIATION/TRANSRADIO; NUCLEAR MEDICINE; CAPTETERIA/KITCHEN/CANTEEN; LABORATORIES; RADIATION / ONCOLOGY; DIALYSIS ICU/SICU ORIP/ACU/ENDOSCOPY
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS, INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> GI STERILE PROCESSING SERVICES (SPS) PHARMACY CATH LAB
CLASS I	KEEP AREAS FREE OF DEBRIS, TRASH EXECUTE WORK TO MINIMIZE DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM) IMMEDIATELY REPLACE ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING).		
CLASS II	SAME AS CLASS I PLUS: <ol style="list-style-type: none"> ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING. BLOCK OFF AND SEAL AIR VENTS SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE. CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LID. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA. PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS. REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA 		
CLASS III	SAME AS CLASS I AND II PLUS: <ol style="list-style-type: none"> ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS; MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED. MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED. CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY. DO NOT REMOVE BARRIERS FROM WORK SITE UNTIL PROJECT IS COMPLETE & HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST, DEBRIS. VACUUM WORK WITH HEPA FILTERED VACUUM. WET MOP AREA WITH CLEANER/DISINFECTANT. MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE. DISPLAY ICRA AT SITE. SEAL HOLES, PIPES, CONDUITS AND PUNCTURES. 		
CLASS IV	SAME AS CLASS I, II AND III PLUS: <ol style="list-style-type: none"> INSPECT ADJACENT AREAS FOR DUST MIGRATION; TAKE IMMEDIATE CORRECTIVE AS NEEDED USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION CONSTRUCT ANTE ROOM. ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DON/OFF PPE 		

1 GROUND LEVEL FLOOR PLAN
 1/8" = 1'-0"



CONSULTANT 2882 106th St. Urbandale, IA 50322	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16684	STAMP I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota. Name: <i>Tom Oleak</i> Date: 02/14/2025 License Number: 18157	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title GROUND LEVEL INFECTION CONTROL & LIFE SAFETY PLAN	Phase BID DOCUMENTS	Project Title CONSTRUCT NEW SPS	Project Number 438-460	
				Approved:	Fully Sprinklered FULLY SPRINKLERED	Location Sioux Falls, SD.	Building Number 5	
Revisions:	Date:	Date: 02/14/2025	License Number: 18157	Approved:	Issue Date 02/14/2025	Checked LA	Drawing GJB	Drawing Number GC101

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- ### INFECTION CONTROL & CONSTRUCTION BARRIER GENERAL NOTES
- SEE SPEC SECTION 01 35 26 SAFETY REQUIREMENTS FOR ADDITIONAL INFORMATION
 - THE INTENT OF INFECTION CONTROL ISOLATION IS TO CONTAIN DUST AND PARTICULATE MATTER TO THE CONSTRUCTION AREA. CONSTRUCTION AREA PERIMETER NEEDS TO BE SEALED COMPLETELY WITH SHEET PLASTIC AS SPECIFIED AND DUCT TAPE DURING OPERATIONS, WHERE PERMITTED BY CLASS ICRA. CONSTRUCTION BARRIER TO BE PROVIDED AS SPECIFIED AND LISTED IN ICRA CLASS.
 - PROVIDE NEGATIVE PRESSURE MONITORS DURING CONSTRUCTION OPERATIONS AS SPECIFIED. MONITOR TO MEASURE PRESSURE DIFFERENTIAL BETWEEN CONSTRUCTION AREA AND ADJACENT CORRIDOR OR ROOM AS DIRECTED BY VA.
 - AS CONSTRUCTION PROGRESSES, FROM TYPE D TO TYPE C AND THEREON, PROVIDE A REQUEST VIA INFECTION CONTROL CONSTRUCTION PERMIT TO THE VA INFECTION CONTROL NURSE. UPON AUTHORIZATION, PROCEED TO NEXT TYPE OF CONSTRUCTION. PROVIDE AT LEAST TEN (10) WORKING DAYS NOTICE FOR EACH PERMIT.
 - CONSTRUCT IC (INFECTION CONTROL) CONSTRUCTION BARRIER(S) FROM FLOOR TO DECK/FLOOR ABOVE. EXCEPTION: IF BARRIER IS ADJACENT TO SMOKE, FIRE, OR EXISTING WALL CONSTRUCTION ON WHICH WALL IS NOT TO BE DEMOLISHED, TERMINATES TO FLOOR/DECK ABOVE, THEN CONSTRUCT DUST PROOF IC BARRIER. SEE DETAIL(S), TAPE, MUD, SAND JOINTS AND PAINT ON NON-CONSTRUCTION SIDE OF BARRIER.
 - CONTROL BARRIERS ARE TO BE INSTALLED AND REMOVED ONLY BEFORE 7:00 AM AND AFTER 5:00 PM OR DIRECTED BY COR.
 - DURING CONSTRUCTION OPERATIONS IN EACH ENCLOSED AREA PROVIDE NEGATIVE PRESSURE OF CEILING ONE (1) IN AREAS LESS THAN 1000 SF, (2) TWO MINIMUM IN AREAS BETWEEN 1000 SF AND 5000 SF, AND (3) THREE FOR AREAS BETWEEN 5000 SF AND 10000 SF.
 - LIFE SAFETY EGRESS IS TO BE MAINTAINED AT ALL TIMES.
 - THE CONTRACTOR SHALL PROVIDE ENOUGH NEGATIVE AIR MACHINES TO COMPLETELY EXCHANGE THE REGULATED AREA AIR VOLUME (4) FOUR ACTUAL TIMES PER HOUR. THE COMPETENT PERSON SHALL DETERMINE THE NUMBER OF UNITS NEEDED FOR EACH REGULATED AREA BY DIVIDING THE CUBIC FEET IN THE REGULATED AREA BY (15) FIFTEEN AND THEN DIVIDING THAT RESULT BY THE ACTUAL CUBIC FEET PER MINUTE (CFM) FOR EACH UNIT TO DETERMINE THE NUMBER OF UNITS NEEDED TO EFFECT FOUR AIR CHANGES PER HOUR. PROVIDE A STANDBY UNIT IN THE EVENT OF MACHINE FAILURE AND/OR EMERGENCY IN AN ADJACENT AREA.
 - PRIOR TO ANY REMOVAL OF SMOKE BARRIER FIRE RATED PARTITIONS, CONSTRUCT NEW SMOKE BARRIER/APPROPRIATE FIRE RATED PARTITIONS PER PLANS OR CONSTRUCT INFECTION CONTROL BARRIER TO ACT AS SMOKE BARRIER.

- ### CONSTRUCTION PHASING GENERAL NOTES
- THE WORK UNDER THIS CONTRACT SHALL BE DIVIDED INTO PHASES. A PHASE CAN INVOLVE MULTIPLE LOCATION AREAS. SEE SPECIFICATIONS SECTION 01 00 1.6 G PHASING.
 - THE GENERAL CONTRACTOR SHALL COORDINATE ALL PHASING AND SEQUENCING WITH ALL TRADES AND THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE A WRITTEN NARRATIVE TO OUTLINE CONSTRUCTION PHASING AND SEQUENCE PLANS, VALIDATING AND ELABORATING ON THIS PHASING DESCRIPTION.
 - THE GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH THE OWNER SO WORK MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT, OR OTHER CONTRACTS ON THE PROJECT SITE OR WORK BY OWNER.
 - THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULE SHALL INDICATE THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, OWNER INSPECTION AND APPROVAL DATES AND MOVE-OUT AND MOVE-IN DATES COVERED BY THE CONTRACT FOR ALL PHASES OF THE WORK.
 - THE GENERAL CONTRACTOR SHALL PERFORM THE WORK IN EACH PHASE IN THE SEQUENCE SHOWN ON THE PHASING PLAN DRAWING(S) AND CONSTRUCTION PHASING DESCRIPTION.
 - THE GENERAL CONTRACTOR MUST COMPLETE ALL WORK IN EACH PHASE WITH THE VA INSPECTING AND ACCEPTING THE WORK PRIOR TO VA OCCUPANCY AND THE CONTRACTOR PROCEEDING TO THE NEXT SCHEDULED PHASE. UPON COMPLETION OF A PARTICULAR PHASE, THE ENTIRE AREA COVERED BY THAT PHASE CAN BE OCCUPIED BY THE VA PERSONNEL WITH ALL SYSTEMS FUNCTIONING PROPERLY.
 - BEFORE COMMENCING WORK ON EACH SUCCESSIVE PHASE, THE GENERAL CONTRACTOR SHALL SUBMIT AN UPDATED COPY OF THE SCHEDULE.
 - ANY ICRA / CONSTRUCTION BARRIERS CONSTRUCTED BY THE CONTRACTOR PRIOR TO THE START OF DEMOLITION MUST REMAIN IN PLACE UNTIL THE COMPLETION OF THAT PHASE OR SUBSEQUENT PHASE WHERE REQUIRED.
 - THE CONTRACTOR SHALL PERFORM ALL WORK ADJACENT TO VA OCCUPIED AREAS IN SUCH A MANNER TO ENSURE THE CONTINUOUS AND UNINTERRUPTED USE OF ALL OCCUPIED AREAS, INCLUDING THE APPLICABLE MECHANICAL AND ELECTRICAL SYSTEMS SERVING THESE AREAS.
 - FOR ADDITIONAL NOTES AND INFORMATION REFER TO INFECTION CONTROL DRAWING(S) AND DEMOLITION PLANS.
 - ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THE DOCUMENTS IS FOR ARCHITECT-OWNER PLANNING PURPOSES ONLY.
 - THE CONTRACTOR DURING CONSTRUCTION SHALL MAINTAIN REQUIRED MEANS OF EGRESS THROUGHOUT ALL PHASING.
 - THE CONTRACTOR SHALL PLAN FOR A MINIMUM OF 4 WEEKS' TIME BETWEEN PHASES TO ALLOW THE VA TO OCCUPY THE NEWLY ACCEPTED SPACE AND VACATE THE FOLLOW-ON PHASES. THE VA WILL ACCELERATE THIS TIME WHEN POSSIBLE AND WILL NOTIFY THE CONTRACTOR IF THIS OCCURS.

CONSTRUCTION INFECTION CONTROL RISK ASSESSMENT (ICRA)

TYPE	DESCRIPTION	RISK GROUP	ADJACENT AREAS
TYPE A	INSPECTIONS AND NON-INVASIVE ACTIVITIES, INCLUDES, BUT NOT LIMITED TO: REMOVAL OF CEILING ONE (1) FOR VISUAL INSPECTION LIMITED TO 1 TILE PER 50 SQUARE FEET, PAINTING BUT NOT SANDING WALL COVERING, ELECTRICAL TRIM WORK, MINOR PLUMBING, AND ACTIVITIES WHICH DO NOT GENERATE DUST OR REQUIRE CUTTING OF WALLS OR ACCESS TO CEILING OTHER THAN FOR VISUAL INSPECTION.	GROUP 1 LOW RISK	<ul style="list-style-type: none"> MECHANICAL SPACES: AREAS NOT DIRECTLY ADJACENT TO PATIENT CARE, INCLUDING INTERSTITIAL SPACES. ENGINEERING OR EMS OFFICE/WORK AREAS OFFICE AREAS: AREAS NOT ATTACHED TO ADJOINING PATIENT CARE AREAS, NOT USED FOR PATIENT INTERVIEWS, EVALUATIONS OR EXAMINATIONS. PUBLIC CORRIDORS: SPACES NOT ON OR DIRECTLY ATTACHED TO PATIENT UNITS OR TREATMENT LOCATIONS.
TYPE B	SMALL SCALE, SHORT DURATION ACTIVITIES WHICH CREATE MINIMAL DUST, INCLUDES, BUT IS NOT LIMITED TO, INSTALLATION OF TELEPHONE AND COMPUTER CABLING, ACCESS TO CHASE SPACES, CUTTING OF WALLS OR CEILING WHERE DUST GENERATION CAN BE CONTROLLED, FLOOR COVERING REMOVAL (WITHOUT SANDING OR GRINDING).	GROUP 2 MEDIUM RISK	<ul style="list-style-type: none"> OUTPATIENT AREAS: <ul style="list-style-type: none"> 1. PRIMARY CARE OR SPECIALTY CARE CLINIC AREAS 2. BEHAVIORAL/MENTAL HEALTH AREAS 3. EXTENDED CARE / REHAB CLINIC AREAS 4. COMMUNITY BASED OUTPATIENT CLINICS (CBOS/CS)
TYPE C	ANY WORK THAT GENERATES A MODERATE TO HIGH LEVEL OF DUST OR REQUIRES DEMOLITION OR REMOVAL OF ANY FIXED BUILDING COMPONENTS OR ASSEMBLIES, INCLUDES, BUT IS NOT LIMITED TO, SANDING OF WALL FOR PAINTING OR WALLCOVERING, REMOVAL OF FLOOR COVERINGS, CEILING TILES AND CASHEWORK, NEW WALL CONSTRUCTION, MINOR DUCTWORK OR ELECTRICAL WORK ABOVE CEILING, MAJOR CABLING ACTIVITIES, AND ANY ACTIVITY WHICH CANNOT BE COMPLETED WITHIN A SINGLE WORK SHIFT, FLOOR COVERING REMOVAL (WITH SANDING OR GRINDING).	GROUP 3 HIGH RISK	<ul style="list-style-type: none"> INPATIENT UNITS: <ul style="list-style-type: none"> 1. INCLUDING, BUT NOT LIMITED TO, EMERGENCY DEPT., NURSING UNITS, RADIOLOGY/RADIATION/TRANSFUSION, NUCLEAR MEDICINE, CAPTETRAKIT/CHENKANTEN, LABORATORIES, RADIATION / ONCOLOGY, DIALYSIS
TYPE D	MAJOR DEMOLITION AND CONSTRUCTION PROJECTS, INCLUDES, BUT IS NOT LIMITED TO, ACTIVITIES WHICH REQUIRE CONSECUTIVE WORK SHIFTS, REQUIRE HEAVY DEMOLITION OR REMOVAL OF A COMPLETE CEILING SYSTEM, FLOORING AND NEW CONSTRUCTION.	GROUP 4 HIGHEST RISK	<ul style="list-style-type: none"> ICU/SICU ORIP/ACU/ENDOSCOPY GI STERILE PROCESSING SERVICES (SPS) PHARMACY CATH LAB
CLASS I	KEEP AREAS FREE OF DEBRIS, TRASH. EXECUTE WORK TO MINIMIZE DUST MIGRATION (E.G. WET MOPPING, HEPA VACUUM) IMMEDIATELY REPAIR ANY CEILING TILE DISPLACED FOR VISUAL INSPECTION (INVOLVING MINOR DEMOLITION IN MAINTENANCE OR REMODELING).		
CLASS II	SAME AS CLASS I PLUS: <ol style="list-style-type: none"> ESTABLISH MATERIAL AND DEBRIS ROUTE USING NON-PATIENT/VISITOR PATHWAY WATER MIST WORK SURFACE TO CONTROL DUST WHILE CUTTING OR DRILLING. BLOCK OFF AND SEAL AIR VENTS SEAL UNUSED DOORS WITH PLASTIC SHEATHING AND DUCT TAPE. CREATE BARRIERS AS DEFINED BY INFECTION PREVENTION CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY COVERED CONTAINER, TAPE COVERING UNLESS SOLID LID. WET MOP AND/OR VACUUM WITH HEPA FILTERED VACUUM BEFORE LEAVING WORK AREA. PLACE STICKY MAT AT ALL WORK AREA ENTRANCES AND EXITS. REMOVE OR ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA 		
CLASS III	SAME AS CLASS I AND II PLUS: <ol style="list-style-type: none"> ISOLATE HVAC SYSTEM IN CONSTRUCTION AREA TO PREVENT DUCT SYSTEM CONTAMINATION COMPLETE CRITICAL BARRIERS (I.E. SHEETROCK, PLYWOOD, PLASTIC) AT ALL CONSTRUCTION ENTRIES AND EXITS; MONITOR FOR SEAL AND TAKE IMMEDIATE CORRECTIVE ACTION AS NEEDED. MAINTAIN AND MONITOR NEGATIVE AIR PRESSURE WITHIN CONSTRUCTION SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS. REMOVE OR ISOLATE HVAC SYSTEMS IN AREA WHERE WORK IS BEING PERFORMED. CHECK AND REPLACE AIR FILTERS AS NEEDED REGULARLY. DO NOT REMOVE BARRIERS FROM WORK SITE, UNTIL PROJECT IS COMPLETE & HAS BEEN THOROUGHLY CLEANED; REMOVE BARRIERS CAREFULLY TO MINIMIZE SPREADING DUST, DEBRIS. VACUUM WORK WITH HEPA FILTERED VACUUM. WET MOP AREA WITH CLEANER/DISINFECTANT. MITIGATE VIBRATION AND NOISE TO LOWEST IMPACT WHERE POSSIBLE. DISPLAY ICRA AT SITE. SEAL HOLES, PIPES, CONDUITS AND PUNCTURES. 		
CLASS IV	SAME AS CLASS I, II AND III PLUS: <ol style="list-style-type: none"> INSPECT ADJACENT AREAS FOR DUST MIGRATION; TAKE IMMEDIATE CORRECTIVE AS NEEDED USE HEPA VACUUM IN AREA PRIOR TO START OF CONSTRUCTION CONSTRUCT ANTE ROOM. ALL PERSONNEL MUST ENTER THROUGH IT TO BE VACUUMED USING HEPA VACUUM BEFORE LEAVING OR TO DND/OFF PPE 		

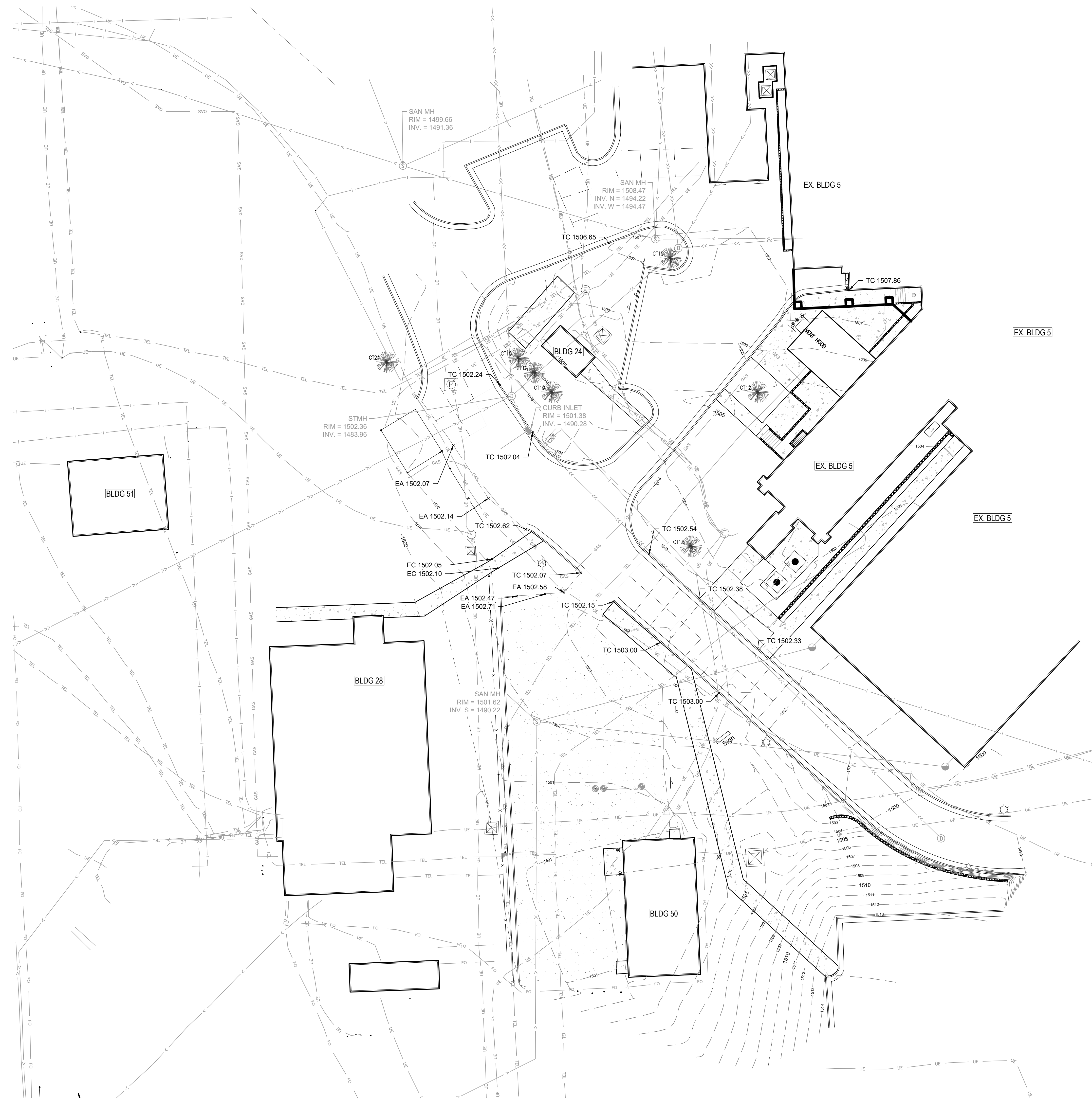
INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

PHASE	ALL CONSTRUCTION PROJECT ACTIVITY	TYPE - D INFECTION CONTROL RISK GROUP - GROUP 4 - HIGH RISK CONTROL PROCEDURE CLASS - IV

1 FIRST LEVEL ICRA, CONSTRUCTION BARRIER & PHASING PLAN
1/8" = 1'-0"

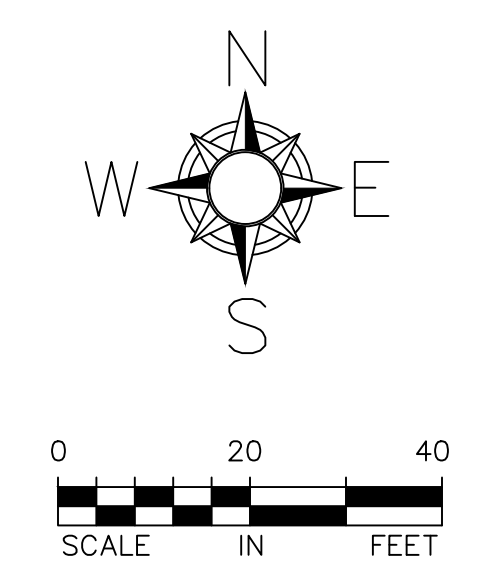


CONSULTANT 2882 106th St. Urbandale, IA 50322	ARCHITECT/ENGINEER OF RECORD 13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16684	STAMP I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota. Name: <i>Tom Oleak</i> Date: 02/14/2025 License Number: 18157	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title FIRST LEVEL INFECTION CONTROL & PHASING PLAN Approved:	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title CONSTRUCT NEW SPS	Project Number 438-460
						Location Sioux Falls, SD.	Building Number 5
Revisions:	Date:	Issue Date 02/14/2025	Checked LA	Drawn GJB	Drawing Number GC111		



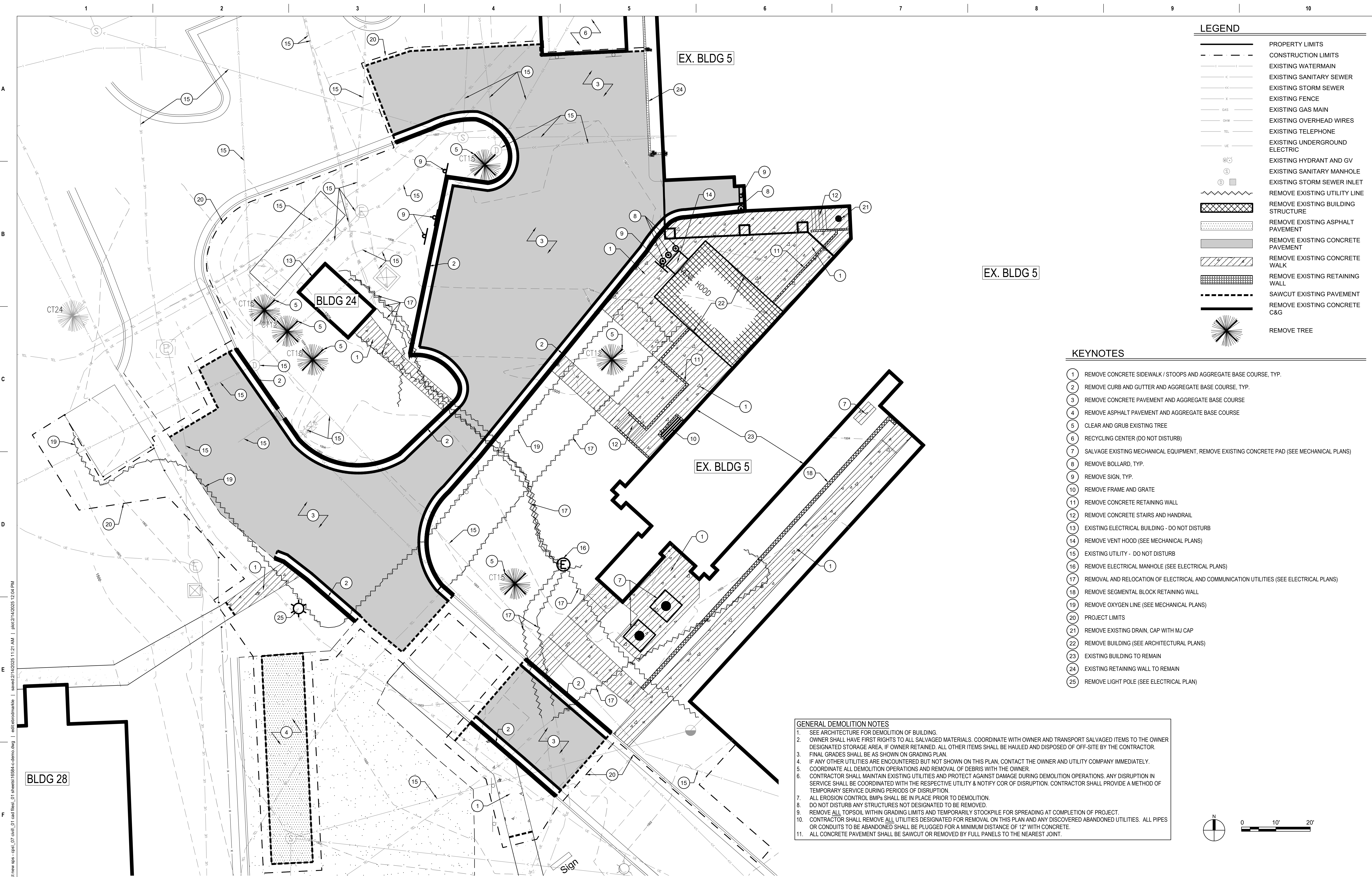
LEGEND	
---	EXISTING MAJOR CONTOUR
- - -	EXISTING MINOR CONTOUR
—	EXISTING BUILDING
—	EXISTING RETAINING WALL
—	EXISTING CONCRETE WALK
—	EXISTING ASPHALT PAVEMENT
—	EXISTING JOINTS IN CONCRETE PAVEMENT
—	EXISTING WATERMAIN
—	EXISTING SANITARY SEWER
—	EXISTING STORM SEWER
—	EXISTING FENCE
—	EXISTING GAS MAIN
—	EXISTING OVERHEAD WIRES
—	EXISTING TELEPHONE
—	EXISTING UNDERGROUND ELECTRIC
⊕	EXISTING HYDRANT AND GV
⊕	EXISTING SANITARY MANHOLE
⊕	EXISTING STORM SEWER INLET
☼	EXISTING TREE

SPOT ELEVATION KEY	
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
TC	TOP OF CURB



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Revisions: _____ Date: _____ VA FORM 08-6231		CONSULTANTS 	ARCHITECT/ENGINEER OF RECORD <small>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 a-e-m-n.com Anderson Engineering of Minnesota, LLC Proj # 16584</small>	STAMP Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title SITE SURVEY & MAPPING Approved: Project Director SIOUX FALLS VA HEALTH CARE SYSTEM	Phase BID DOCUMENTS FULLY SPRINKLERED	Project Title CONSTRUCT NEW SPS Location SIOUX FALLS, SOUTH DAKOTA Issue Date 02/14/2025	Project Number 438-460 Building Number 5 Drawing Number VB101
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LEGEND	
	PROPERTY LIMITS
	CONSTRUCTION LIMITS
	EXISTING WATERMAIN
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING FENCE
	EXISTING GAS MAIN
	EXISTING OVERHEAD WIRES
	EXISTING TELEPHONE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING HYDRANT AND GV
	EXISTING SANITARY MANHOLE
	EXISTING STORM SEWER INLET
	REMOVE EXISTING UTILITY LINE
	REMOVE EXISTING BUILDING STRUCTURE
	REMOVE EXISTING ASPHALT PAVEMENT
	REMOVE EXISTING CONCRETE PAVEMENT
	REMOVE EXISTING CONCRETE WALK
	REMOVE EXISTING RETAINING WALL
	SAWCUT EXISTING PAVEMENT
	REMOVE EXISTING CONCRETE C&G
	REMOVE TREE

- KEYNOTES**
- REMOVE CONCRETE SIDEWALK / STOOPS AND AGGREGATE BASE COURSE, TYP.
 - REMOVE CURB AND GUTTER AND AGGREGATE BASE COURSE, TYP.
 - REMOVE CONCRETE PAVEMENT AND AGGREGATE BASE COURSE
 - REMOVE ASPHALT PAVEMENT AND AGGREGATE BASE COURSE
 - CLEAR AND GRUB EXISTING TREE
 - RECYCLING CENTER (DO NOT DISTURB)
 - SALVAGE EXISTING MECHANICAL EQUIPMENT, REMOVE EXISTING CONCRETE PAD (SEE MECHANICAL PLANS)
 - REMOVE BOLLARD, TYP.
 - REMOVE SIGN, TYP.
 - REMOVE FRAME AND GRATE
 - REMOVE CONCRETE RETAINING WALL
 - REMOVE CONCRETE STAIRS AND HANDRAIL
 - EXISTING ELECTRICAL BUILDING - DO NOT DISTURB
 - REMOVE VENT HOOD (SEE MECHANICAL PLANS)
 - EXISTING UTILITY - DO NOT DISTURB
 - REMOVE ELECTRICAL MANHOLE (SEE ELECTRICAL PLANS)
 - REMOVAL AND RELOCATION OF ELECTRICAL AND COMMUNICATION UTILITIES (SEE ELECTRICAL PLANS)
 - REMOVE SEGMENTAL BLOCK RETAINING WALL
 - REMOVE OXYGEN LINE (SEE MECHANICAL PLANS)
 - PROJECT LIMITS
 - REMOVE EXISTING DRAIN, CAP WITH MJ CAP
 - REMOVE BUILDING (SEE ARCHITECTURAL PLANS)
 - EXISTING BUILDING TO REMAIN
 - EXISTING RETAINING WALL TO REMAIN
 - REMOVE LIGHT POLE (SEE ELECTRICAL PLAN)







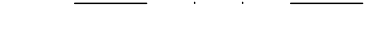
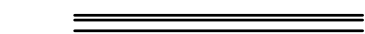

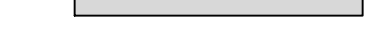
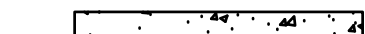
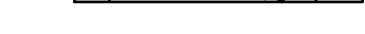

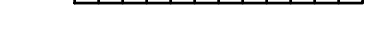
GENERAL DEMOLITION NOTES

- SEE ARCHITECTURE FOR DEMOLITION OF BUILDING.
- OWNER SHALL HAVE FIRST RIGHTS TO ALL SALVAGED MATERIALS. COORDINATE WITH OWNER AND TRANSPORT SALVAGED ITEMS TO THE OWNER DESIGNATED STORAGE AREA, IF OWNER RETAINED. ALL OTHER ITEMS SHALL BE HAULED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- FINAL GRADES SHALL BE AS SHOWN ON GRADING PLAN.
- IF ANY OTHER UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THIS PLAN, CONTACT THE OWNER AND UTILITY COMPANY IMMEDIATELY.
- COORDINATE ALL DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS WITH THE OWNER.
- CONTRACTOR SHALL MAINTAIN EXISTING UTILITIES AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. ANY DISRUPTION IN SERVICE SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY & NOTIFY COR OF DISRUPTION. CONTRACTOR SHALL PROVIDE A METHOD OF TEMPORARY SERVICE DURING PERIODS OF DISRUPTION.
- ALL EROSION CONTROL BMPs SHALL BE IN PLACE PRIOR TO DEMOLITION.
- DO NOT DISTURB ANY STRUCTURES NOT DESIGNATED TO BE REMOVED.
- REMOVE ALL TOPSOIL WITHIN GRADING LIMITS AND TEMPORARILY STOCKPILE FOR SPREADING AT COMPLETION OF PROJECT.
- CONTRACTOR SHALL REMOVE ALL UTILITIES DESIGNATED FOR REMOVAL ON THIS PLAN AND ANY DISCOVERED ABANDONED UTILITIES. ALL PIPES OR CONDUITS TO BE ABANDONED SHALL BE PLUGGED FOR A MINIMUM DISTANCE OF 12" WITH CONCRETE.
- ALL CONCRETE PAVEMENT SHALL BE SAWCUT OR REMOVED BY FULL PANELS TO THE NEAREST JOINT.

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LEGEND

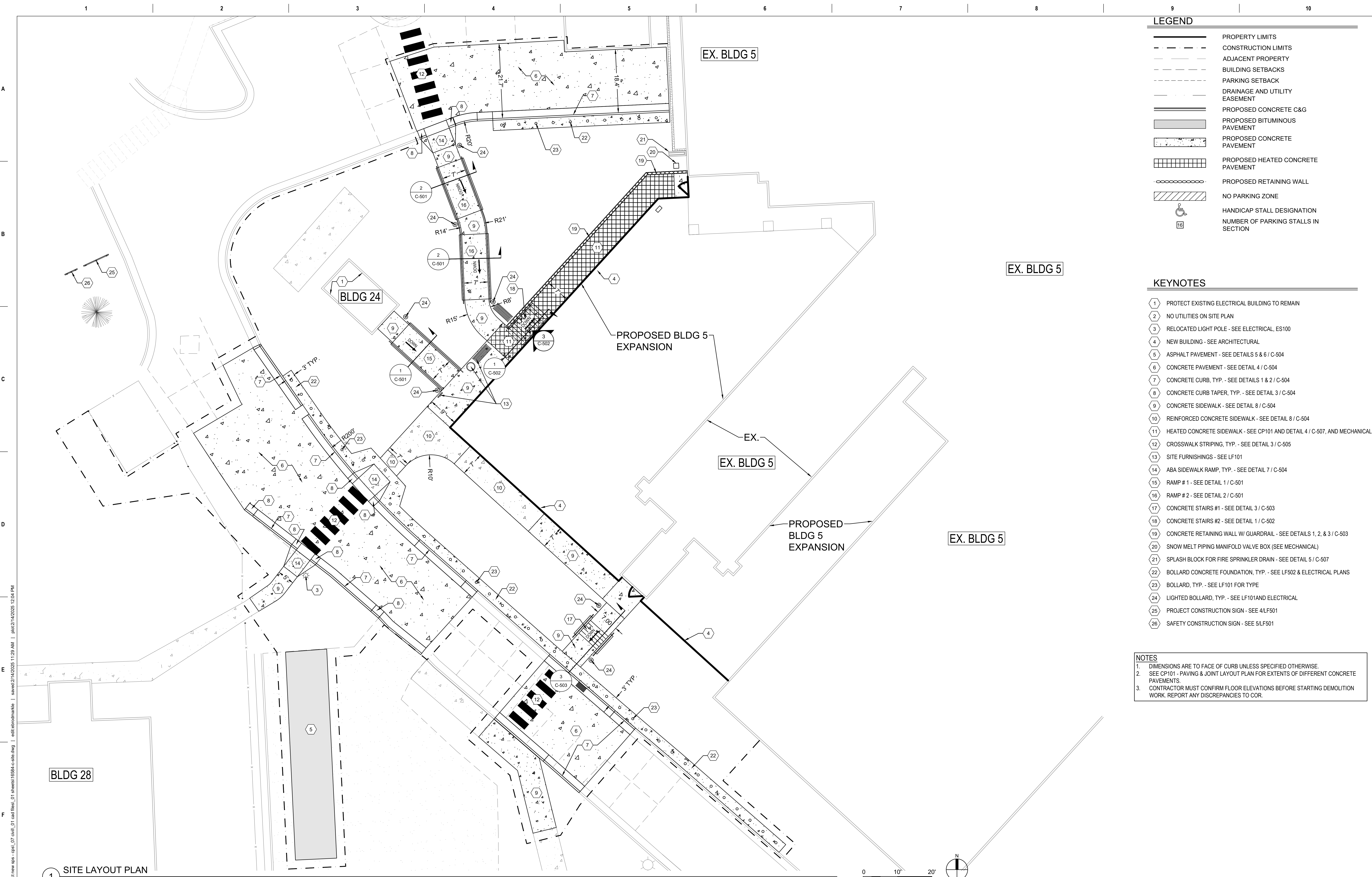
-  PROPERTY LIMITS
-  CONSTRUCTION LIMITS
-  ADJACENT PROPERTY
-  BUILDING SETBACKS
-  PARKING SETBACK
-  DRAINAGE AND UTILITY EASEMENT
-  PROPOSED CONCRETE C&G
-  PROPOSED BITUMINOUS PAVEMENT
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED HEATED CONCRETE PAVEMENT
-  PROPOSED RETAINING WALL
-  NO PARKING ZONE
-  HANDICAP STALL DESIGNATION
-  NUMBER OF PARKING STALLS IN SECTION

KEYNOTES

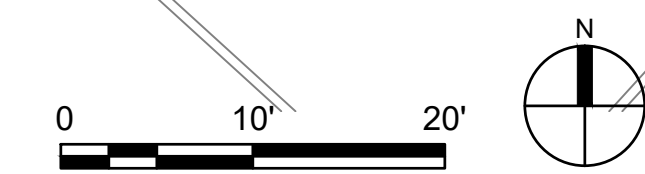
- 1 PROTECT EXISTING ELECTRICAL BUILDING TO REMAIN
- 2 NO UTILITIES ON SITE PLAN
- 3 RELOCATED LIGHT POLE - SEE ELECTRICAL, ES100
- 4 NEW BUILDING - SEE ARCHITECTURAL
- 5 ASPHALT PAVEMENT - SEE DETAILS 5 & 6 / C-504
- 6 CONCRETE PAVEMENT - SEE DETAIL 4 / C-504
- 7 CONCRETE CURB, TYP. - SEE DETAILS 1 & 2 / C-504
- 8 CONCRETE CURB TAPER, TYP. - SEE DETAIL 3 / C-504
- 9 CONCRETE SIDEWALK - SEE DETAIL 8 / C-504
- 10 REINFORCED CONCRETE SIDEWALK - SEE DETAIL 8 / C-504
- 11 HEATED CONCRETE SIDEWALK - SEE CP101 AND DETAIL 4 / C-507, AND MECHANICAL
- 12 CROSSWALK STRIPING, TYP. - SEE DETAIL 3 / C-505
- 13 SITE FURNISHINGS - SEE LF101
- 14 ABA SIDEWALK RAMP, TYP. - SEE DETAIL 7 / C-504
- 15 RAMP # 1 - SEE DETAIL 1 / C-501
- 16 RAMP # 2 - SEE DETAIL 2 / C-501
- 17 CONCRETE STAIRS #1 - SEE DETAIL 3 / C-503
- 18 CONCRETE STAIRS #2 - SEE DETAIL 1 / C-502
- 19 CONCRETE RETAINING WALL W/ GUARDRAIL - SEE DETAILS 1, 2, & 3 / C-503
- 20 SNOW MELT PIPING MANIFOLD VALVE BOX (SEE MECHANICAL)
- 21 SPLASH BLOCK FOR FIRE SPRINKLER DRAIN - SEE DETAIL 5 / C-507
- 22 BOLLARD CONCRETE FOUNDATION, TYP. - SEE LF502 & ELECTRICAL PLANS
- 23 BOLLARD, TYP. - SEE LF101 FOR TYPE
- 24 LIGHTED BOLLARD, TYP. - SEE LF101 AND ELECTRICAL
- 25 PROJECT CONSTRUCTION SIGN - SEE 4/LF501
- 26 SAFETY CONSTRUCTION SIGN - SEE 5/LF501

NOTES

- 1. DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
- 2. SEE CP101 - PAVING & JOINT LAYOUT PLAN FOR EXTENTS OF DIFFERENT CONCRETE PAVEMENTS.
- 3. CONTRACTOR MUST CONFIRM FLOOR ELEVATIONS BEFORE STARTING DEMOLITION WORK. REPORT ANY DISCREPANCIES TO COR.



1 SITE LAYOUT PLAN
SCALE: 1" = 10' (30" x 42" PAPER SIZE)




Revisions:	Date:

CONSULTANTS



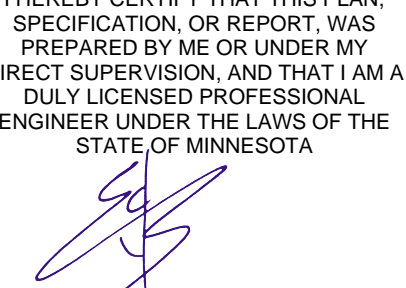

ARCHITECT/ENGINEER OF RECORD



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EDWIN J. BROADMARKLE, PE
DATE: 2025.02.14 LICENSE NO: 55409

Office of Construction and Facilities Management



Drawing Title: **SITE LAYOUT PLAN**

Approved: Project Director

SIOUX FALLS VA HEALTH CARE SYSTEM

Phase: **BID DOCUMENTS**

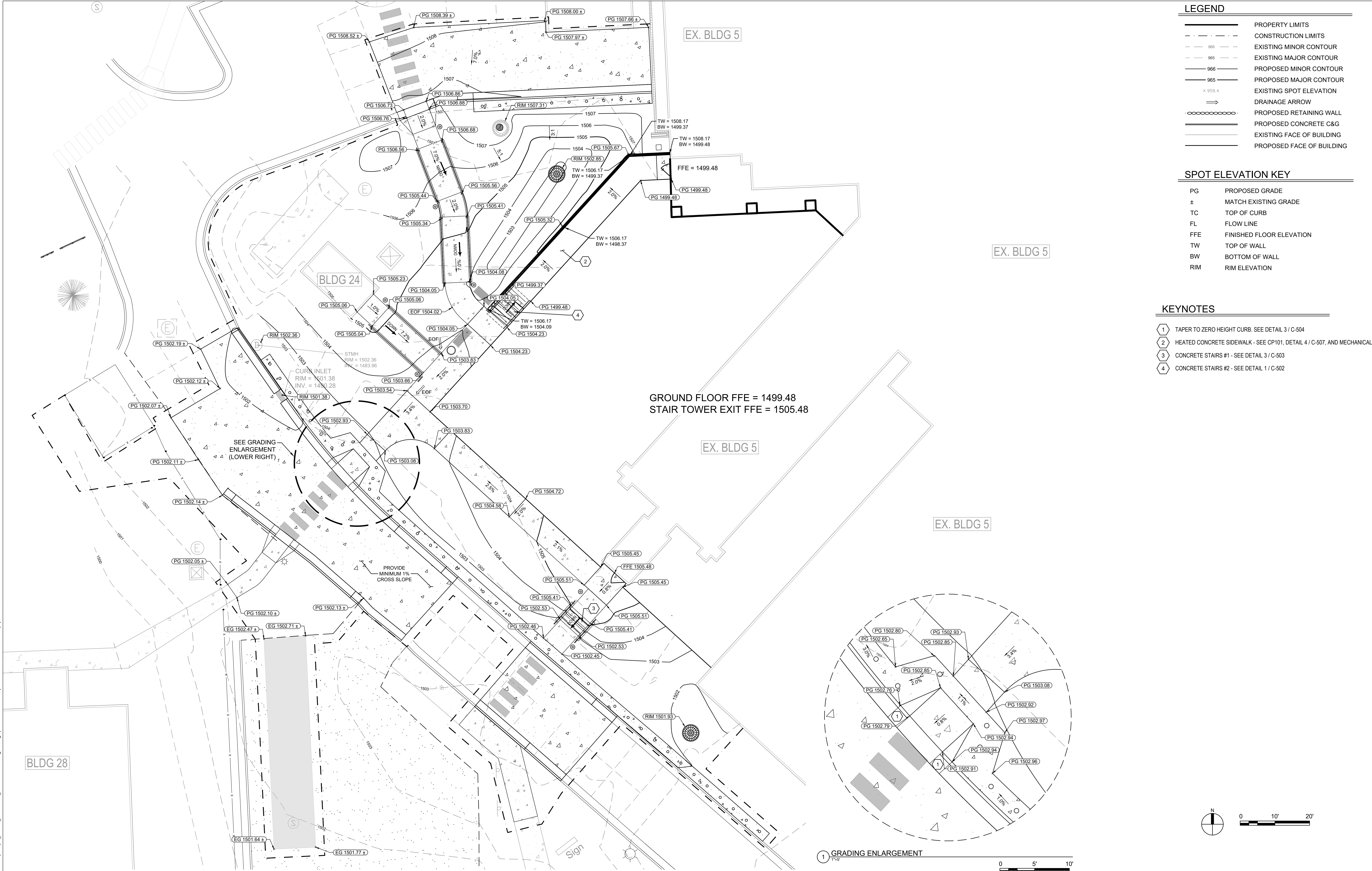
FULLY SPRINKLERED

Project Title: CONSTRUCT NEW SPS		Project Number: 438-460
Location: SIOUX FALLS, SOUTH DAKOTA		Building Number: 5
Issue Date: 02/14/2025	Checked: EB	Drawn: JD
Drawing Number: CS101		

LEGEND	
	PROPERTY LIMITS
	CONSTRUCTION LIMITS
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	EXISTING SPOT ELEVATION
	DRAINAGE ARROW
	PROPOSED RETAINING WALL
	PROPOSED CONCRETE C&G
	EXISTING FACE OF BUILDING
	PROPOSED FACE OF BUILDING

SPOT ELEVATION KEY	
PG	PROPOSED GRADE
±	MATCH EXISTING GRADE
TC	TOP OF CURB
FL	FLOW LINE
FFE	FINISHED FLOOR ELEVATION
TW	TOP OF WALL
BW	BOTTOM OF WALL
RIM	RIM ELEVATION

- KEYNOTES**
- 1 TAPER TO ZERO HEIGHT CURB. SEE DETAIL 3 / C-504
 - 2 HEATED CONCRETE SIDEWALK - SEE CP101, DETAIL 4 / C-507, AND MECHANICAL
 - 3 CONCRETE STAIRS #1 - SEE DETAIL 3 / C-503
 - 4 CONCRETE STAIRS #2 - SEE DETAIL 1 / C-502



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Office of Construction and Facilities Management

Drawing Title

GRADING PLAN

Approved: Project Director

SIOUX FALLS VA HEALTH CARE SYSTEM

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Location

SIOUX FALLS, SOUTH DAKOTA

Issue Date

02/14/2025

Checked

EB

Drawn

JD

Project Number

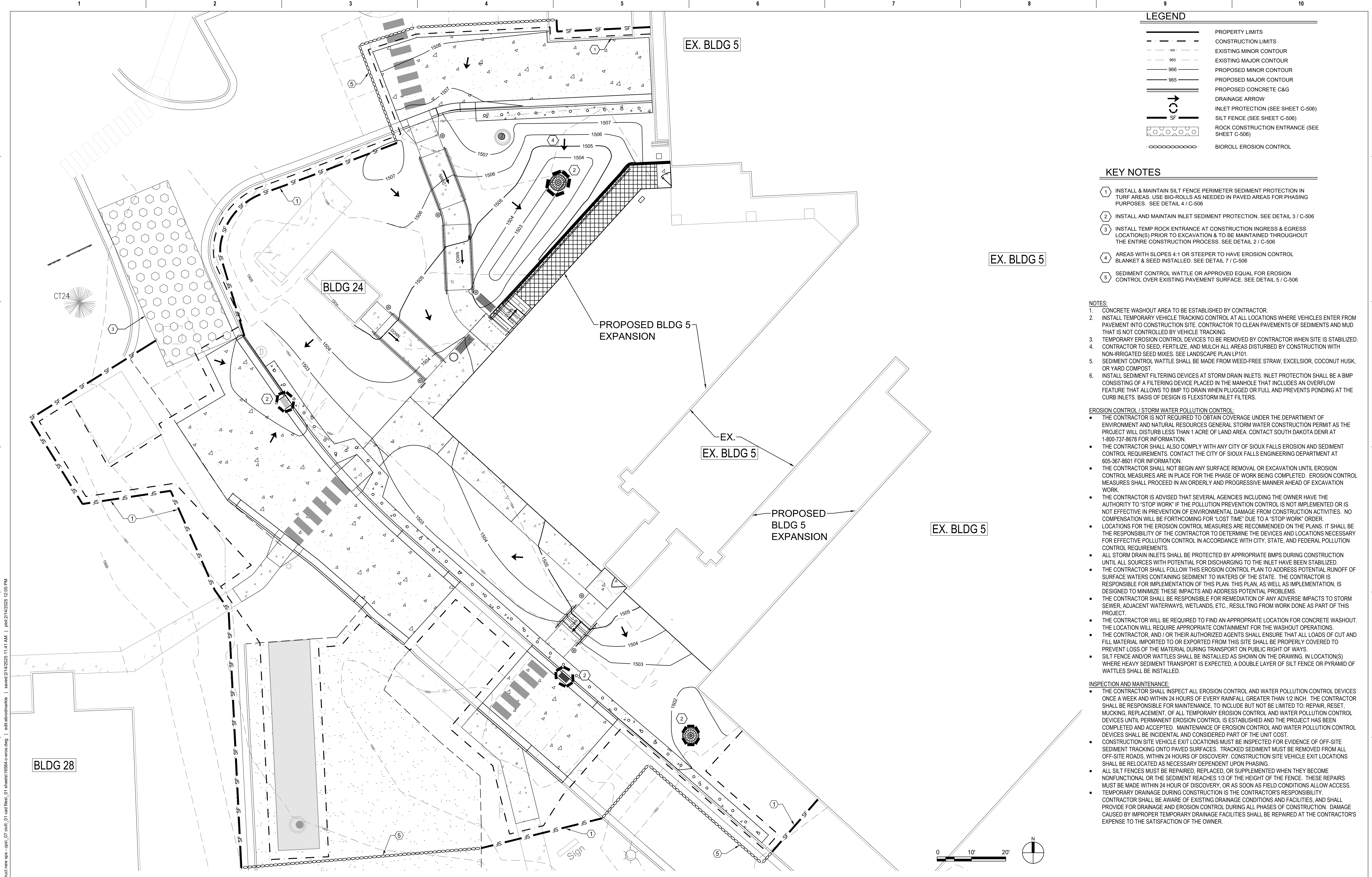
438-460

Building Number

5

Drawing Number

CG101



LEGEND	
	PROPERTY LIMITS
	CONSTRUCTION LIMITS
	EXISTING MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	DRAINAGE CONCRETE C&G
	DRAINAGE ARROW
	INLET PROTECTION (SEE SHEET C-506)
	SILT FENCE (SEE SHEET C-506)
	ROCK CONSTRUCTION ENTRANCE (SEE SHEET C-506)
	BIOROLL EROSION CONTROL

- KEY NOTES**
- INSTALL & MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEEDED IN PAVED AREAS FOR PHASING PURPOSES. SEE DETAIL 4 / C-506
 - INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION. SEE DETAIL 3 / C-506
 - INSTALL TEMP ROCK ENTRANCE AT CONSTRUCTION INGRESS & EGRESS LOCATION(S) PRIOR TO EXCAVATION & TO BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. SEE DETAIL 2 / C-506
 - AREAS WITH SLOPES 4:1 OR STEEPER TO HAVE EROSION CONTROL BLANKET & SEED INSTALLED. SEE DETAIL 7 / C-506
 - SEDIMENT CONTROL WATTLE OR APPROVED EQUAL FOR EROSION CONTROL OVER EXISTING PAVEMENT SURFACE. SEE DETAIL 5 / C-506

- NOTES:**
- CONCRETE WASHOUT AREA TO BE ESTABLISHED BY CONTRACTOR.
 - INSTALL TEMPORARY VEHICLE TRACKING CONTROL AT ALL LOCATIONS WHERE VEHICLES ENTER FROM PAVEMENT INTO CONSTRUCTION SITE. CONTRACTOR TO CLEAN PAVEMENTS OF SEDIMENTS AND MUD THAT IS NOT CONTROLLED BY VEHICLE TRACKING.
 - TEMPORARY EROSION CONTROL DEVICES TO BE REMOVED BY CONTRACTOR WHEN SITE IS STABILIZED. CONTRACTOR TO SEED, FERTILIZE, AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION WITH NON-IRRIGATED SEED MIXES. SEE LANDSCAPE PLAN LP101.
 - SEDIMENT CONTROL WATTLE SHALL BE MADE FROM WEED-FREE STRAW, EXCELSIOR, COCONUT HUSK, OR YARD COMPOST.
 - INSTALL SEDIMENT FILTERING DEVICES AT STORM DRAIN INLETS. INLET PROTECTION SHALL BE A BMP CONSISTING OF A FILTERING DEVICE PLACED IN THE MANHOLE THAT INCLUDES AN OVERFLOW FEATURE THAT ALLOWS TO BMP TO DRAIN WHEN PLUGGED OR FULL AND PREVENTS PONDING AT THE CURB INLETS. BASIS OF DESIGN IS FLEXTORM INLET FILTERS.

- EROSION CONTROL / STORM WATER POLLUTION CONTROL:**
- THE CONTRACTOR IS NOT REQUIRED TO OBTAIN COVERAGE UNDER THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES GENERAL STORM WATER CONSTRUCTION PERMIT AS THE PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND AREA. CONTACT SOUTH DAKOTA DENR AT 1-800-737-8678 FOR INFORMATION.
 - THE CONTRACTOR SHALL ALSO COMPLY WITH ANY CITY OF SIOUX FALLS EROSION AND SEDIMENT CONTROL REQUIREMENTS. CONTACT THE CITY OF SIOUX FALLS ENGINEERING DEPARTMENT AT 605-367-8601 FOR INFORMATION.
 - THE CONTRACTOR SHALL NOT BEGIN ANY SURFACE REMOVAL OR EXCAVATION UNTIL EROSION CONTROL MEASURES ARE IN PLACE FOR THE PHASE OF WORK BEING COMPLETED. EROSION CONTROL MEASURES SHALL PROCEED IN AN ORDERLY AND PROGRESSIVE MANNER AHEAD OF EXCAVATION WORK.
 - THE CONTRACTOR IS ADVISED THAT SEVERAL AGENCIES INCLUDING THE OWNER HAVE THE AUTHORITY TO "STOP WORK" IF THE POLLUTION PREVENTION CONTROL IS NOT IMPLEMENTED OR IS NOT EFFECTIVE IN PREVENTION OF ENVIRONMENTAL DAMAGE FROM CONSTRUCTION ACTIVITIES. NO COMPENSATION WILL BE FORTHCOMING FOR "LOST TIME" DUE TO A "STOP WORK" ORDER.
 - LOCATIONS FOR THE EROSION CONTROL MEASURES ARE RECOMMENDED ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE DEVICES AND LOCATIONS NECESSARY FOR EFFECTIVE POLLUTION CONTROL IN ACCORDANCE WITH CITY, STATE, AND FEDERAL POLLUTION CONTROL REQUIREMENTS.
 - ALL STORM DRAIN INLETS SHALL BE PROTECTED BY APPROPRIATE BMPs DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED.
 - THE CONTRACTOR SHALL FOLLOW THIS EROSION CONTROL PLAN TO ADDRESS POTENTIAL RUNOFF OF SURFACE WATERS CONTAINING SEDIMENT TO WATERS OF THE STATE. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THIS PLAN. THIS PLAN, AS WELL AS IMPLEMENTATION, IS DESIGNED TO MINIMIZE THESE IMPACTS AND ADDRESS POTENTIAL PROBLEMS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO STORM SEWER, ADJACENT WATERWAYS, WETLANDS, ETC., RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
 - THE CONTRACTOR WILL BE REQUIRED TO FIND AN APPROPRIATE LOCATION FOR CONCRETE WASHOUT. THE LOCATION WILL REQUIRE APPROPRIATE CONTAINMENT FOR THE WASHOUT OPERATIONS.
 - THE CONTRACTOR, AND / OR THEIR AUTHORIZED AGENTS SHALL ENSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THIS SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHT OF WAYS.
 - SILT FENCE AND/OR WATTLES SHALL BE INSTALLED AS SHOWN ON THE DRAWING. IN LOCATION(S) WHERE HEAVY SEDIMENT TRANSPORT IS EXPECTED, A DOUBLE LAYER OF SILT FENCE OR PYRAMID OF WATTLES SHALL BE INSTALLED.

- INSPECTION AND MAINTENANCE:**
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL AND WATER POLLUTION CONTROL DEVICES ONCE A WEEK AND WITHIN 24 HOURS OF EVERY RAINFALL GREATER THAN 1/2 INCH. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE, TO INCLUDE BUT NOT BE LIMITED TO: REPAIR, RESET, MUCKING, REPLACEMENT, OF ALL TEMPORARY EROSION CONTROL AND WATER POLLUTION CONTROL DEVICES UNTIL PERMANENT EROSION CONTROL IS ESTABLISHED AND THE PROJECT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE OF EROSION CONTROL AND WATER POLLUTION CONTROL DEVICES SHALL BE INCIDENTAL AND CONSIDERED PART OF THE UNIT COST.
 - CONSTRUCTION SITE VEHICLE EXIT LOCATIONS MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING ONTO PAVED SURFACES. TRACKED SEDIMENT MUST BE REMOVED FROM ALL OFF-SITE ROADS WITHIN 24 HOURS OF DISCOVERY. CONSTRUCTION SITE VEHICLE EXIT LOCATIONS SHALL BE RELOCATED AS NECESSARY DEPENDENT UPON PHASING.
 - ALL SILT FENCES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/3 OF THE HEIGHT OF THE FENCE. THESE REPAIRS MUST BE MADE WITHIN 24 HOUR OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
 - TEMPORARY DRAINAGE DURING CONSTRUCTION IS THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL BE AWARE OF EXISTING DRAINAGE CONDITIONS AND FACILITIES, AND SHALL PROVIDE FOR DRAINAGE AND EROSION CONTROL DURING ALL PHASES OF CONSTRUCTION. DAMAGE CAUSED BY IMPROPER TEMPORARY DRAINAGE FACILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

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Office of Construction and Facilities Management

Drawing Title

EROSION CONTROL PLAN

Approved: Project Director

SIOUX FALLS VA HEALTH CARE SYSTEM

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Location

SIOUX FALLS, SOUTH DAKOTA

Issue Date

02/14/2025

Checked

EB

Drawn

JD

Project Number

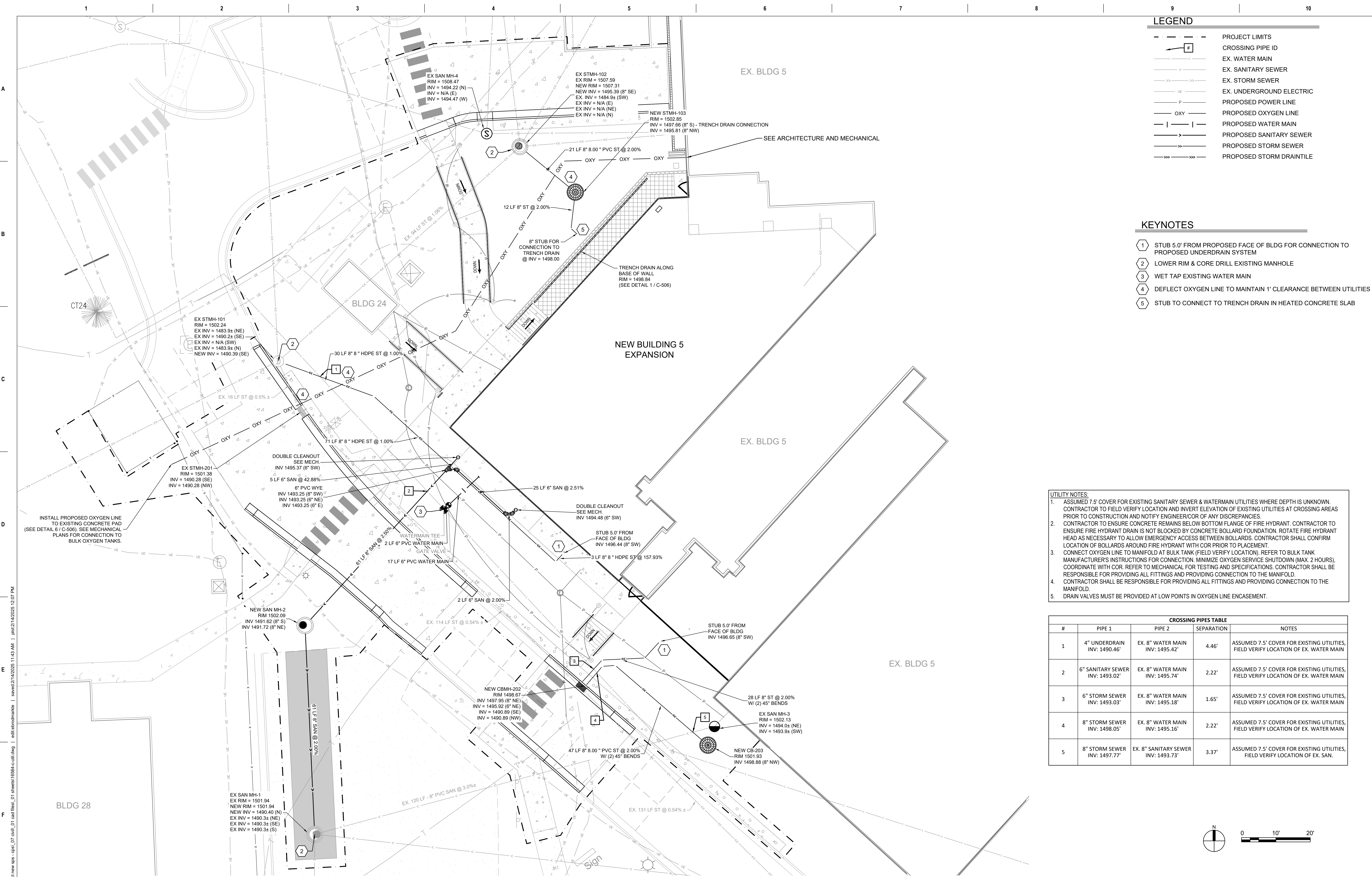
438-460

Building Number

5

Drawing Number

CG102



LEGEND

---	PROJECT LIMITS
#	CROSSING PIPE ID
---	EX. WATER MAIN
---	EX. SANITARY SEWER
---	EX. STORM SEWER
---	EX. UNDERGROUND ELECTRIC
---	PROPOSED POWER LINE
---	PROPOSED OXYGEN LINE
---	PROPOSED WATER MAIN
---	PROPOSED SANITARY SEWER
---	PROPOSED STORM SEWER
---	PROPOSED STORM DRAINTILE

- KEYNOTES**
- 1 STUB 5.0' FROM PROPOSED FACE OF BLDG FOR CONNECTION TO PROPOSED UNDERDRAIN SYSTEM
 - 2 LOWER RIM & CORE DRILL EXISTING MANHOLE
 - 3 WET TAP EXISTING WATER MAIN
 - 4 DEFLECT OXYGEN LINE TO MAINTAIN 1' CLEARANCE BETWEEN UTILITIES
 - 5 STUB TO CONNECT TO TRENCH DRAIN IN HEATED CONCRETE SLAB

- UTILITY NOTES:**
1. ASSUMED 7.5' COVER FOR EXISTING SANITARY SEWER & WATERMAIN UTILITIES WHERE DEPTH IS UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATION OF EXISTING UTILITIES AT CROSSING AREAS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER/COR OF ANY DISCREPANCIES.
 2. CONTRACTOR TO ENSURE CONCRETE REMAINS BELOW BOTTOM FLANGE OF FIRE HYDRANT. CONTRACTOR TO ENSURE FIRE HYDRANT DRAIN IS NOT BLOCKED BY CONCRETE BOLLARD FOUNDATION. ROTATE FIRE HYDRANT HEAD AS NECESSARY TO ALLOW EMERGENCY ACCESS BETWEEN BOLLARDS. CONTRACTOR SHALL CONFIRM LOCATION OF BOLLARDS AROUND FIRE HYDRANT WITH COR PRIOR TO PLACEMENT.
 3. CONNECT OXYGEN LINE TO MANIFOLD AT BULK TANK (FIELD VERIFY LOCATION). REFER TO BULK TANK MANUFACTURER'S INSTRUCTIONS FOR CONNECTION. MINIMIZE OXYGEN SERVICE SHUTDOWN (MAX. 2 HOURS), COORDINATE WITH COR. REFER TO MECHANICAL FOR TESTING AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FITTINGS AND PROVIDING CONNECTION TO THE MANIFOLD.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FITTINGS AND PROVIDING CONNECTION TO THE MANIFOLD.
 5. DRAIN VALVES MUST BE PROVIDED AT LOW POINTS IN OXYGEN LINE ENCASMENT.

CROSSING PIPES TABLE

#	PIPE 1	PIPE 2	SEPARATION	NOTES
1	4" UNDERDRAIN INV: 1490.46'	EX. 8" WATER MAIN INV: 1495.42'	4.46'	ASSUMED 7.5' COVER FOR EXISTING UTILITIES, FIELD VERIFY LOCATION OF EX. WATER MAIN
2	6" SANITARY SEWER INV: 1493.02'	EX. 8" WATER MAIN INV: 1495.74'	2.22'	ASSUMED 7.5' COVER FOR EXISTING UTILITIES, FIELD VERIFY LOCATION OF EX. WATER MAIN
3	6" STORM SEWER INV: 1493.03'	EX. 8" WATER MAIN INV: 1495.18'	1.65'	ASSUMED 7.5' COVER FOR EXISTING UTILITIES, FIELD VERIFY LOCATION OF EX. WATER MAIN
4	8" STORM SEWER INV: 1498.05'	EX. 8" WATER MAIN INV: 1495.16'	2.22'	ASSUMED 7.5' COVER FOR EXISTING UTILITIES, FIELD VERIFY LOCATION OF EX. WATER MAIN
5	8" STORM SEWER INV: 1497.77'	EX. 8" SANITARY SEWER INV: 1493.73'	3.37'	ASSUMED 7.5' COVER FOR EXISTING UTILITIES, FIELD VERIFY LOCATION OF EX. SAN.



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Revisions:

No.	Description	Date

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EDWIN J. BROADMARKLE, PE
 DATE: 2025.02.14 LICENSE NO: 55409

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

UTILITY PLAN

Approved: Project Director

SIoux FALLS VA HEALTH CARE SYSTEM

Phase

BID DOCUMENTS

FULLY SPRINKLERED

Project Title

CONSTRUCT NEW SPS

Location

SIoux FALLS, SOUTH DAKOTA

Issue Date

02/14/2025

Checked

EB

Drawn

AB

Project Number

438-460

Building Number

5

Drawing Number

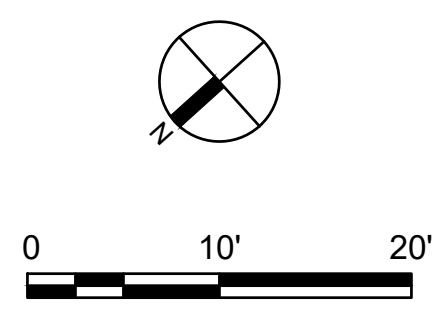
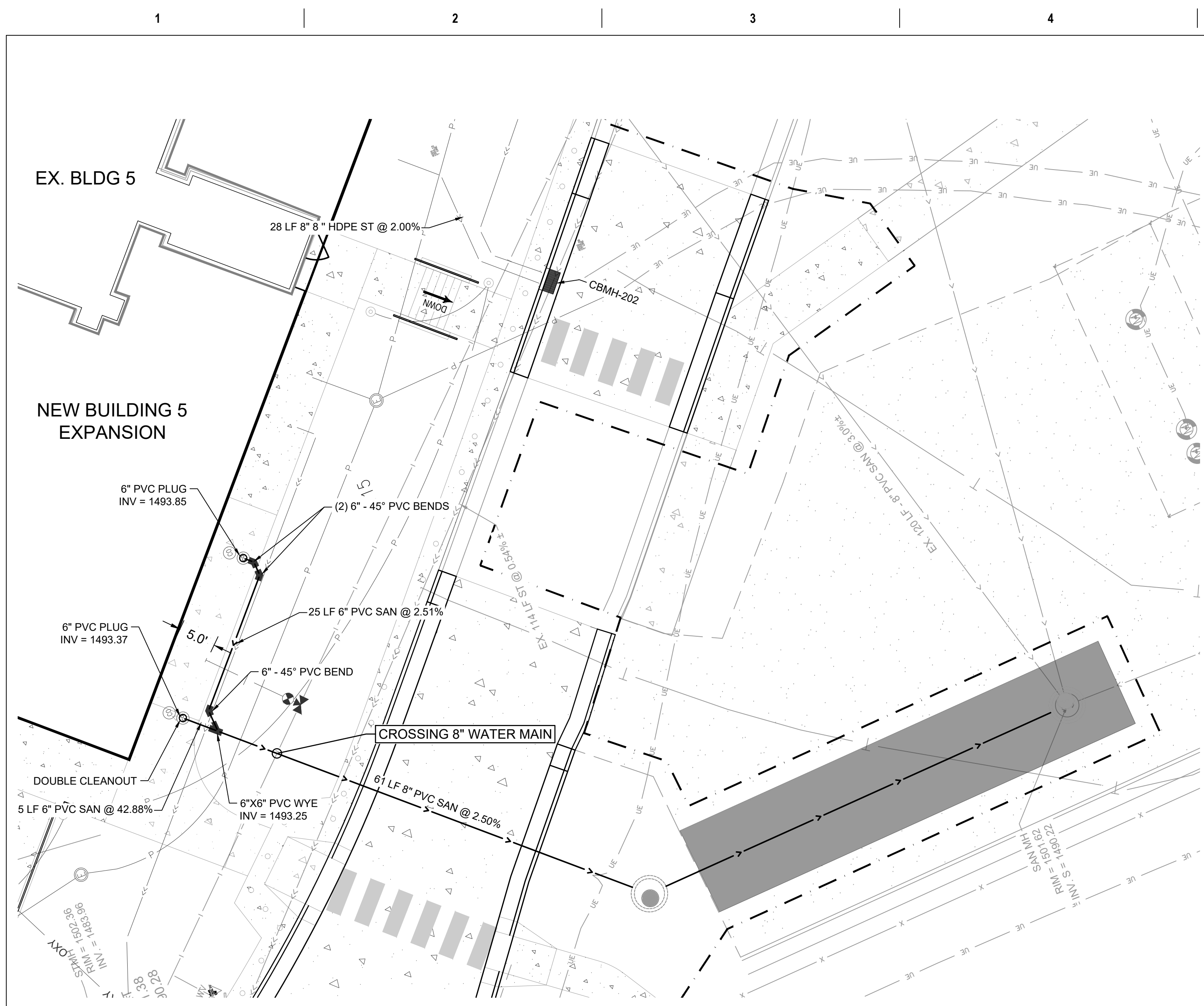
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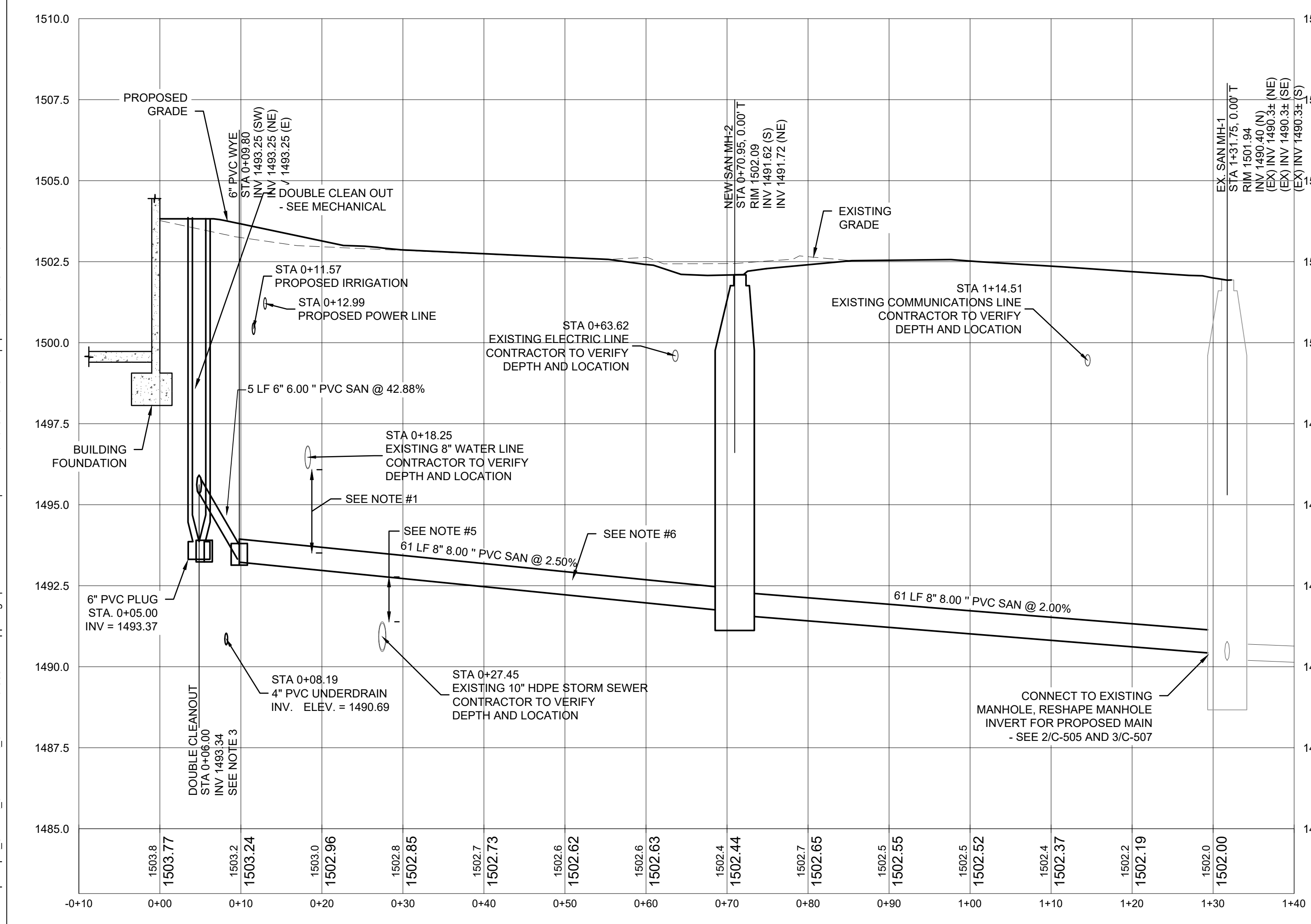
- PROJECT LIMITS
- ⊗ CROSSING PIPE
- EX. WATER MAIN
- EX. SANITARY SEWER
- EX. STORM SEWER
- EX. UNDERGROUND ELECTRIC
- PROPOSED POWER LINE
- PROPOSED OXYGEN LINE
- PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM DRAINTILE

NOTE:

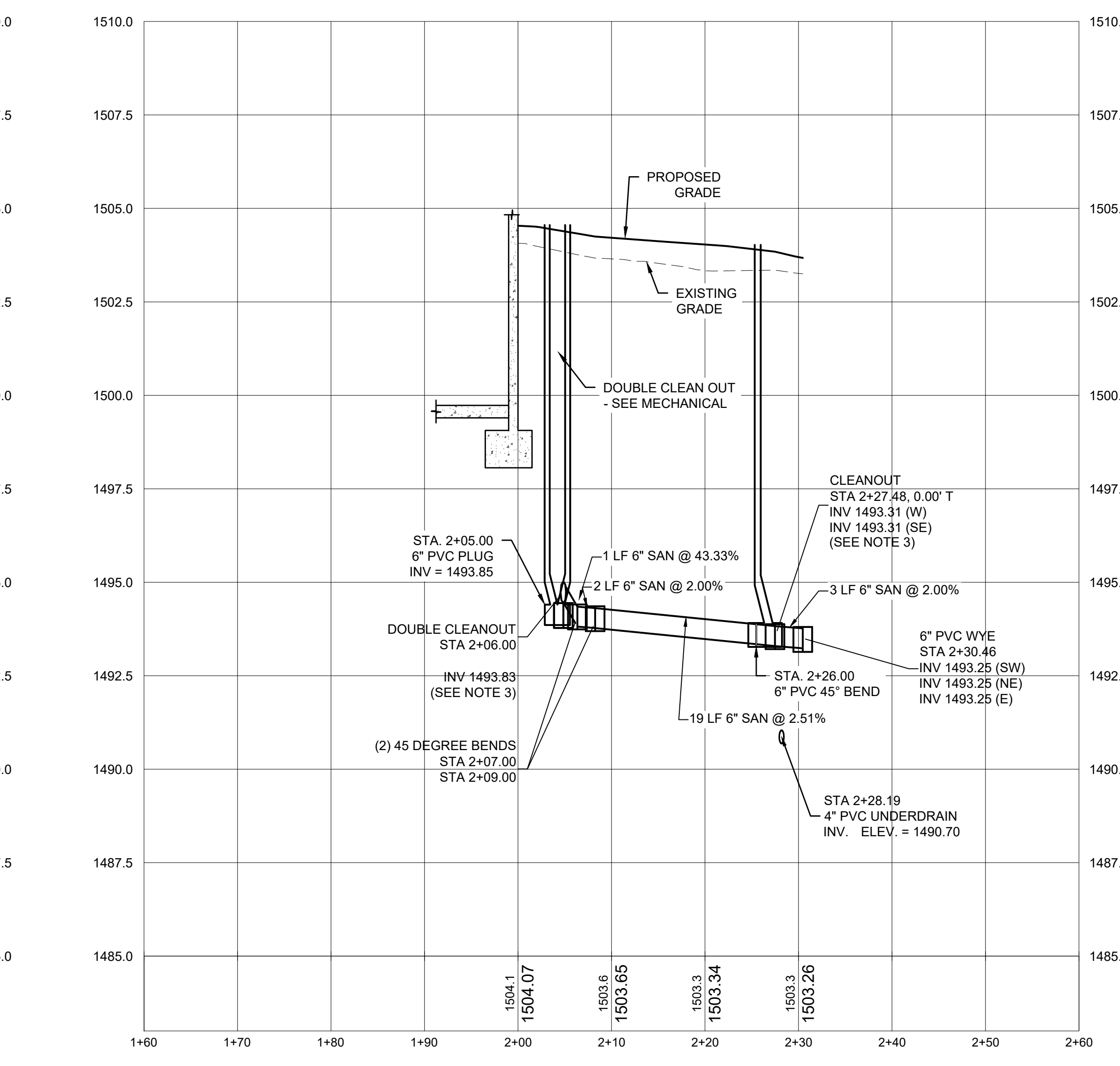
1. IF LESS THAN 18" OF VERTICAL CLEARANCE IS PROVIDED BETWEEN WATER MAIN AND STORM / SANITARY SEWER, OR IF WATER MAIN IS BENEATH STORM / SANITARY SEWER, ENCASE AS PER SDDENR REQUIREMENTS - SEE 7/C-507
2. SEE 2/C-505 FOR MANHOLE DETAIL
3. SEE MECHANICAL FOR CLEAN OUT DETAIL
4. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING CROSSING UTILITIES PRIOR TO CONSTRUCTION OF THE PROPOSED UTILITY AND ORDERING MATERIALS
5. MAINTAIN A MINIMUM OF 1' VERTICAL SEPARATION BETWEEN SANITARY AND STORM SEWER
6. CONTRACTOR MAY REVISE SHOPE OF SANITARY SERVICE FROM BUILDING TO MANHOLE TO MAINTAIN CLEARANCES SHOWN IN NOTE 1 AND NOTE 5. MAINTAIN A MINIMUM OF 2% SLOPE ON ALL SANITARY SEWER SERVICE AND MAINS OUTSIDE OF BUILDING.
7. SEE 2/C-507 FOR TRENCH DETAIL
8. CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING IN ACCORDANCE WITH CITY OF SIOUX FALLS REQUIREMENTS WHICH INCLUDES A BYPASS PUMPING PLAN.
9. ONLY IRRIGATION MAINLINE IS SHOWN, IRRIGATION LATERALS ARE NOT SHOWN.



PROFILE VIEW OF SANITARY SEWER #1



PROFILE VIEW OF SANITARY SEWER #2



Revisions:	Date:

CONSULTANTS

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EDWIN J. BROADMARKLE, PE
 DATE: 2025.02.14 LICENSE NO: 55409

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: **SANITARY SEWER PLAN AND PROFILE**

Approved: Project Director

SIOUX FALLS VA HEALTH CARE SYSTEM

Phase: **BID DOCUMENTS**

FULLY SPRINKLERED

Project Title: **CONSTRUCT NEW SPS**

Location: SIOUX FALLS, SOUTH DAKOTA

Issue Date: 02/14/2025

Checked: EB

Drawn: AB

Project Number: **438-460**

Building Number: **5**

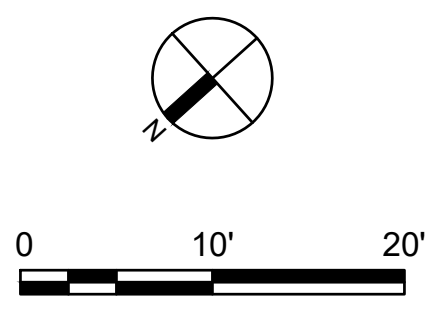
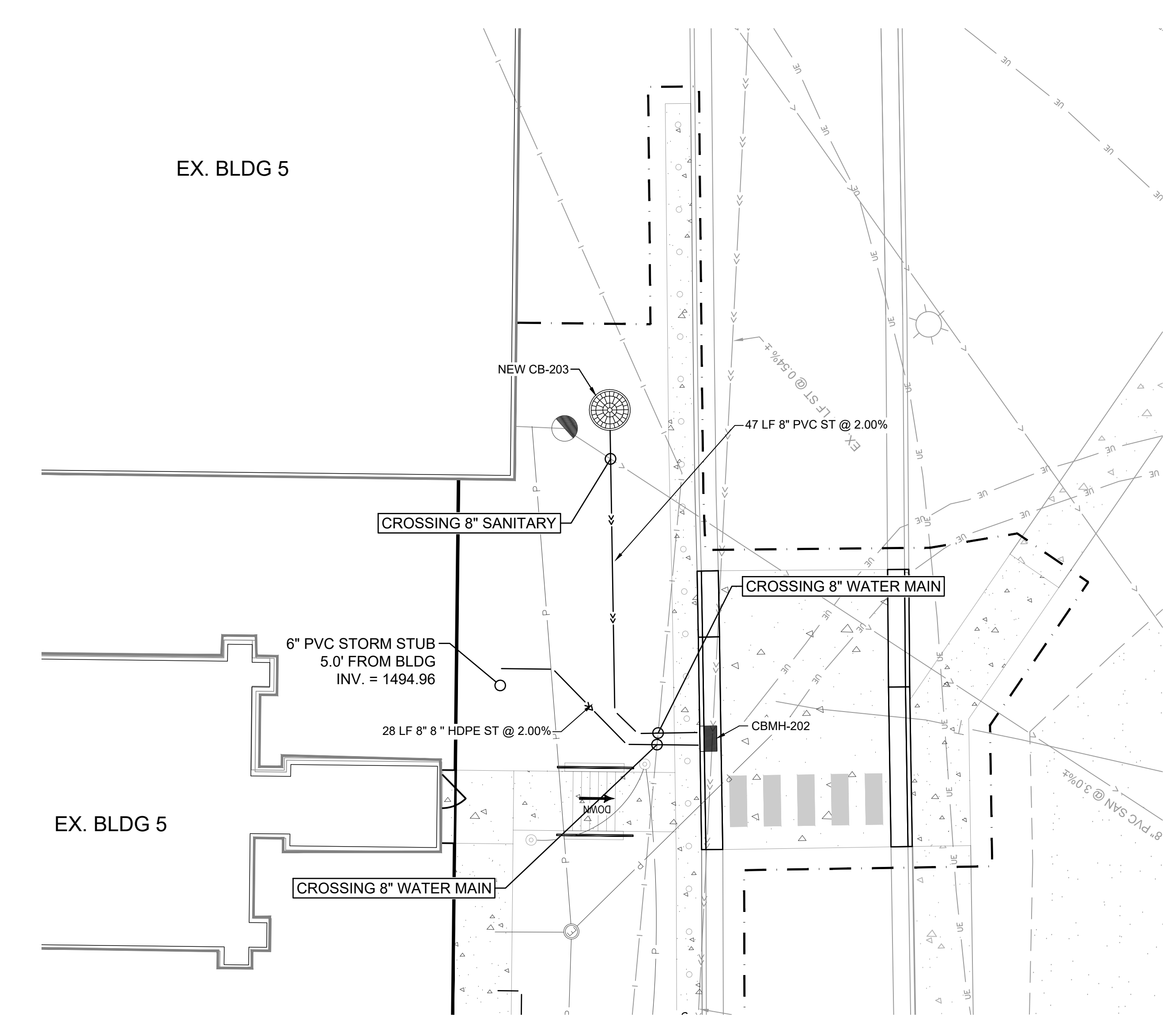
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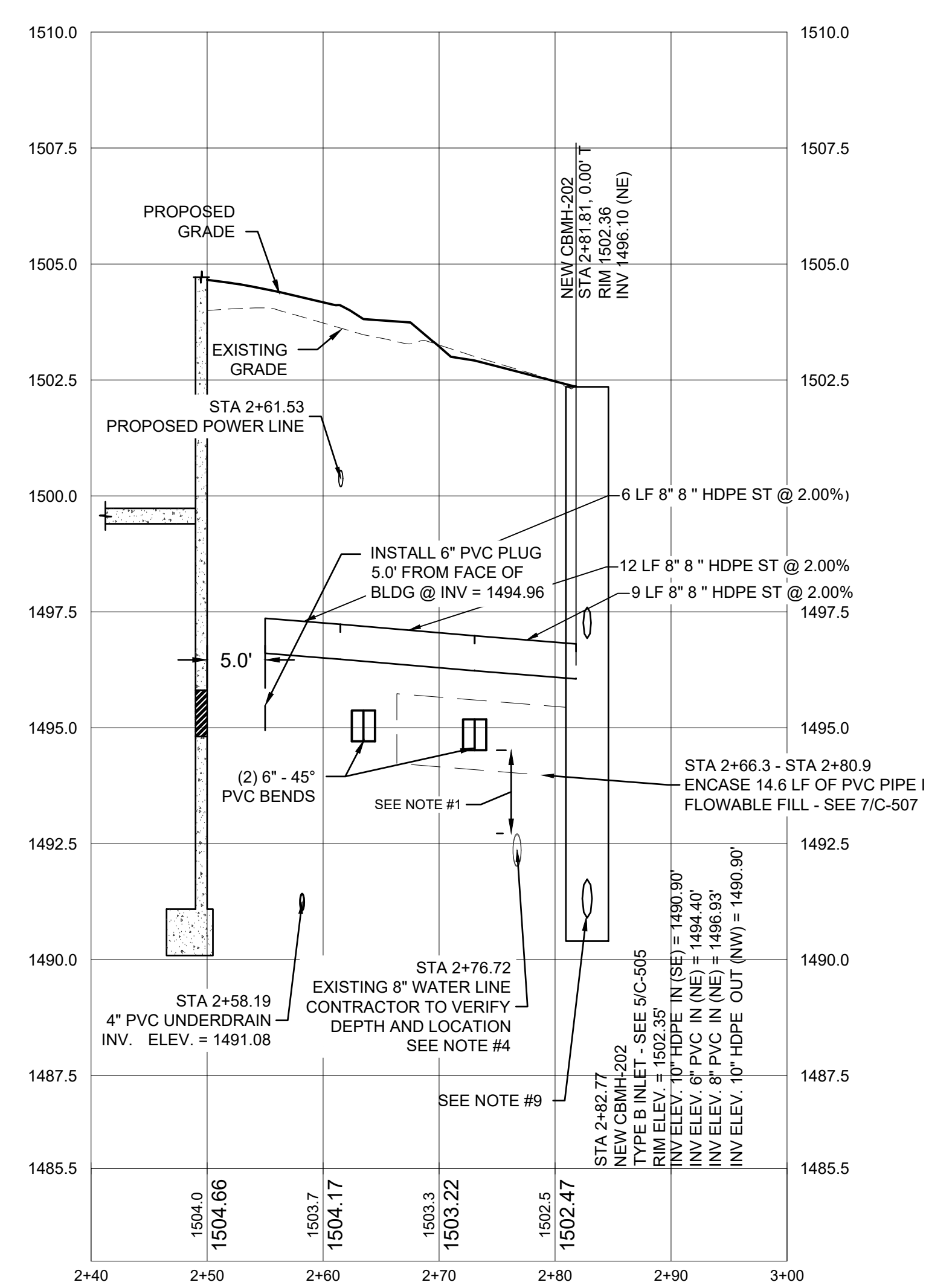
LEGEND

- - - - PROJECT LIMITS
- ⊗ CROSSING PIPE
- EX. WATER MAIN
- EX. SANITARY SEWER
- EX. STORM SEWER
- UE EX. UNDERGROUND ELECTRIC
- P PROPOSED POWER LINE
- OXY PROPOSED OXYGEN LINE
- W PROPOSED WATER MAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM DRAINTILE

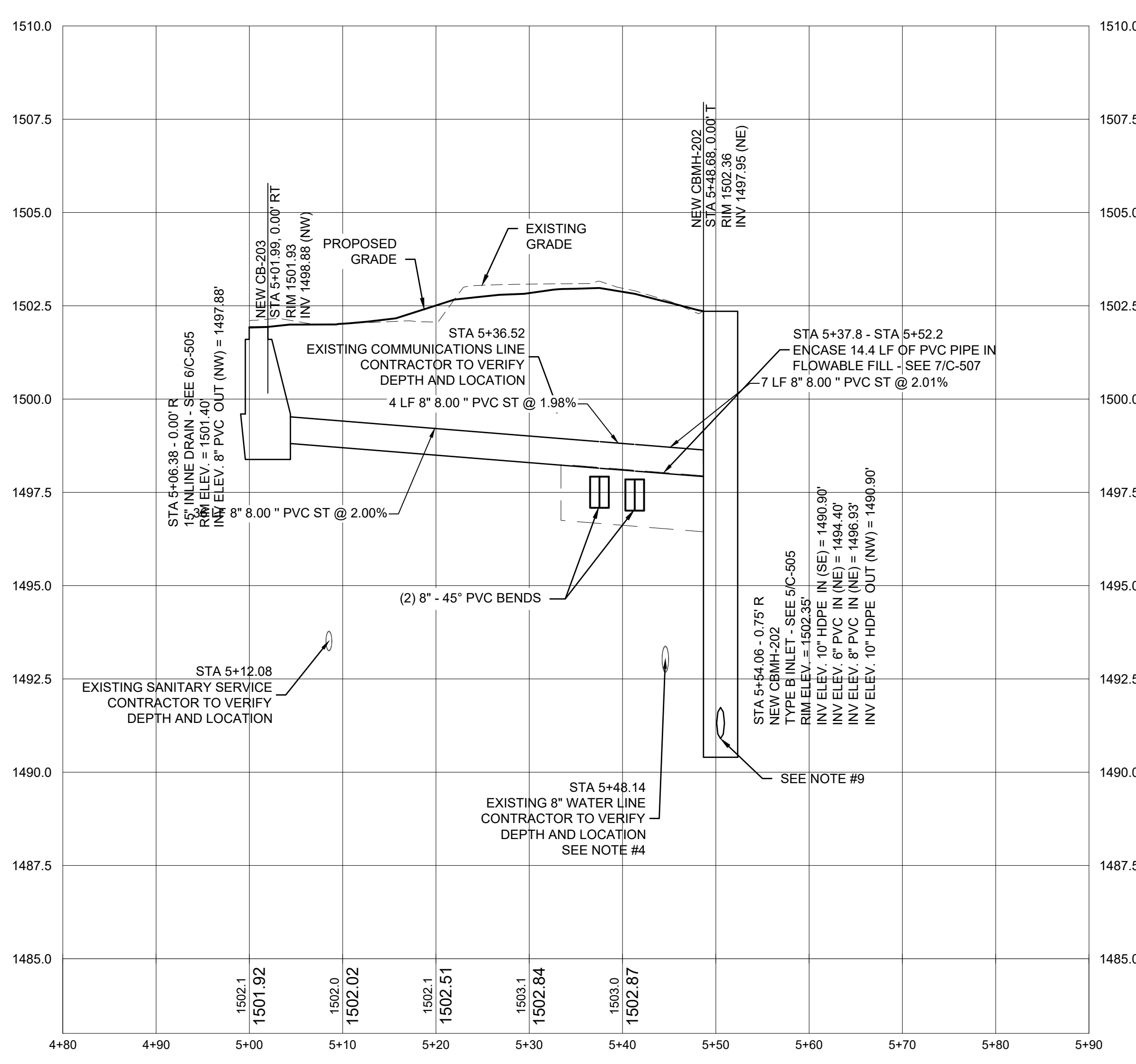
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 2. SEE 2/C-505 FOR MANHOLE DETAIL.
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 7. SEE 2/C-507 FOR TRENCH DETAIL.
 8. CONTRACTOR IS RESPONSIBLE FOR ALL BYPASS PUMPING IN ACCORDANCE WITH CITY OF SIOUX FALLS REQUIREMENTS WHICH INCLUDES A BYPASS PUMPING PLAN.
 9. ELEVATIONS OF PROPOSED STORM SEWER INLET ARE APPROXIMATE AND ARE BASED ON OWNER'S BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY EXACT LOCATION, DEPTH, AND SIZE OF EXISTING STORM SEWER. CONNECT EXISTING PIPING TO PROPOSED INLET BOX.
 10. ONLY IRRIGATION MAINLINE IS SHOWN, IRRIGATION LATERALS ARE NOT SHOWN.



PROFILE VIEW OF STORM SEWER #1



PROFILE VIEW OF STORM SEWER #3



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 Revisions: | Date:

	<p>CONSULTANTS</p>	<p>ARCHITECT/ENGINEER OF RECORD</p> <p>13605 1st Ave. N. #100 Plymouth, MN 55441 P 763.412.4000 F 763.412.4090 ae-mn.com Anderson Engineering of Minnesota, LLC Proj # 16584</p>	<p>STAMP</p> <p>I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT, WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA</p> <p>EDWIN J. BROADMARKLE, PE DATE: 2025.02.14 LICENSE NO: 55409</p>	<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>	<p>Drawing Title</p> <p>STORM SEWER PLAN AND PROFILE</p> <p>Approved: Project Director</p> <p>SIOUX FALLS VA HEALTH CARE SYSTEM</p>	<p>Phase</p> <p>BID DOCUMENTS</p> <p>FULLY SPRINKLERED</p>	<p>Project Title</p> <p>CONSTRUCT NEW SPS</p> <p>Location: SIOUX FALLS, SOUTH DAKOTA</p> <p>Issue Date: 02/14/2025</p> <p>Checked: EB Drawn: AB</p>	<p>Project Number</p> <p>438-460</p> <p>Building Number</p> <p>5</p> <p>Drawing Number</p> <p>CU104</p>
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