

REPAIR FLOOD WALL LEVEE SYSTEM

FARGO VA HEALTH CARE SYSTEM
2101 ELM ST N, FARGO, NORTH DAKOTA 58102

PROJECT NUMBER: 437-19-104



CIVIL ENGINEER
FOURFRONT DESIGN INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA 57701
PHONE (605) 342-9470



Albertson Engineering Inc.

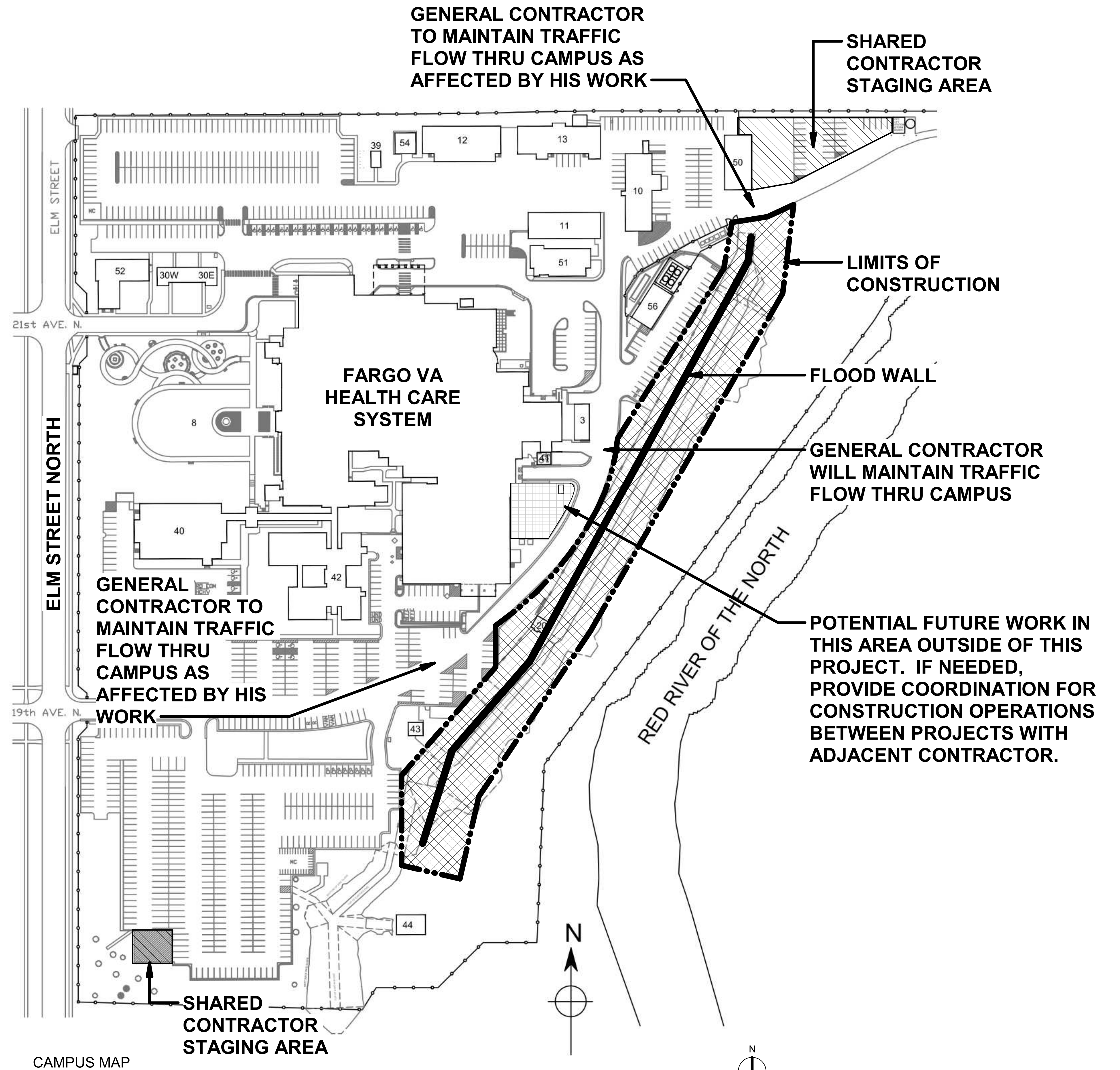
STRUCTURAL ENGINEER
ALBERTSON ENGINEERING INC.
3202 WEST MAIN STREET, SUITE C
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LAND SURVEYOR
DJ&A, P.C.
3202 SOUTH RUSSELL STREET
MISSOULA, MONTANA 59801
PHONE (406) 721-4320

SHEET INDEX

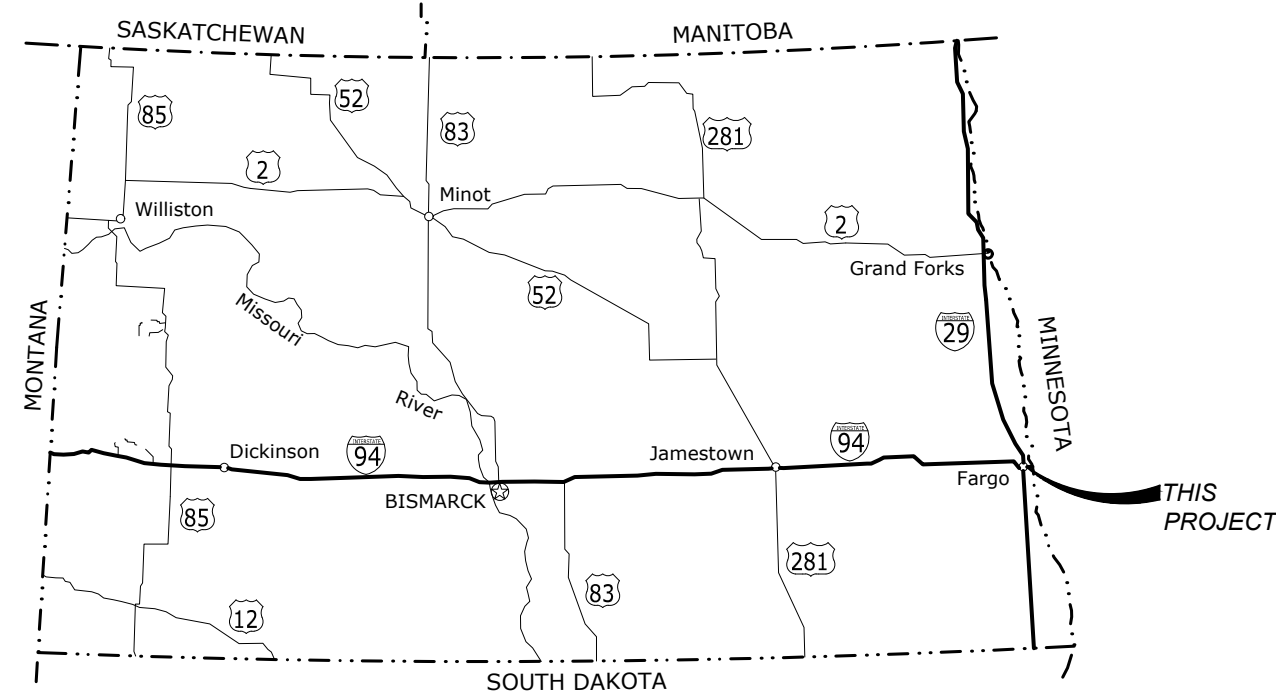
GENERAL	
GI0.00	COVER SHEET, SHEET INDEX AND CAMPUS MAP
SITE	
GS1.00	SITE MAP / TOPOGRAPHIC SURVEY
GS2.00	CIVIL - SITE PLAN NORTH
GS2.01	CIVIL - SITE PLAN CENTER
GS2.02	CIVIL - SITE PLAN SOUTH
GS2.10	CIVIL DETAILS
GS3.00	ENLARGED WALL PLANS
GS4.00	WALL ELEVATIONS - WEST
GS4.01	WALL ELEVATIONS - WEST
GS4.02	WALL ELEVATIONS - WEST
GS4.10	WALL ELEVATIONS - EAST
GS4.11	WALL ELEVATIONS - EAST
GS4.12	WALL ELEVATIONS - EAST
GS5.00	WALL SECTIONS AND DETAILS
GS6.00	STRUCTURAL DETAILS



CONSTRUCTION DOCUMENTS

CONSULTANT ALBERTSON ENGINEERING INC. 3202 WEST MAIN STREET, SUITE C RAPID CITY, SOUTH DAKOTA 57702 PHONE (605) 343-9606		ARCHITECT/ENGINEER OF RECORD DJ&A, P.C. 3202 SOUTH RUSSELL STREET MISSOULA, MONTANA 59801 PHONE (406) 721-4320		STAMP Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title COVER SHEET, SHEET INDEX AND CAMPUS MAP Approved:	Phase CONSTRUCTION DOCUMENTS	Project Title REPAIR FLOOD WALL LEVEE SYSTEM Location FARGO VA HEALTH CARE SYSTEM Issue Date DECEMBER 18, 2020	Project Number 437-19-104 Building Number SITE Drawing Number GI0.00 Dwg. 1 of 15
Revisions:	Date:	FOURFRONT DESIGN INC. 517 7TH STREET RAPID CITY, SOUTH DAKOTA 57701 PHONE (605) 342-9470				Checked JR	Drawn KZ	

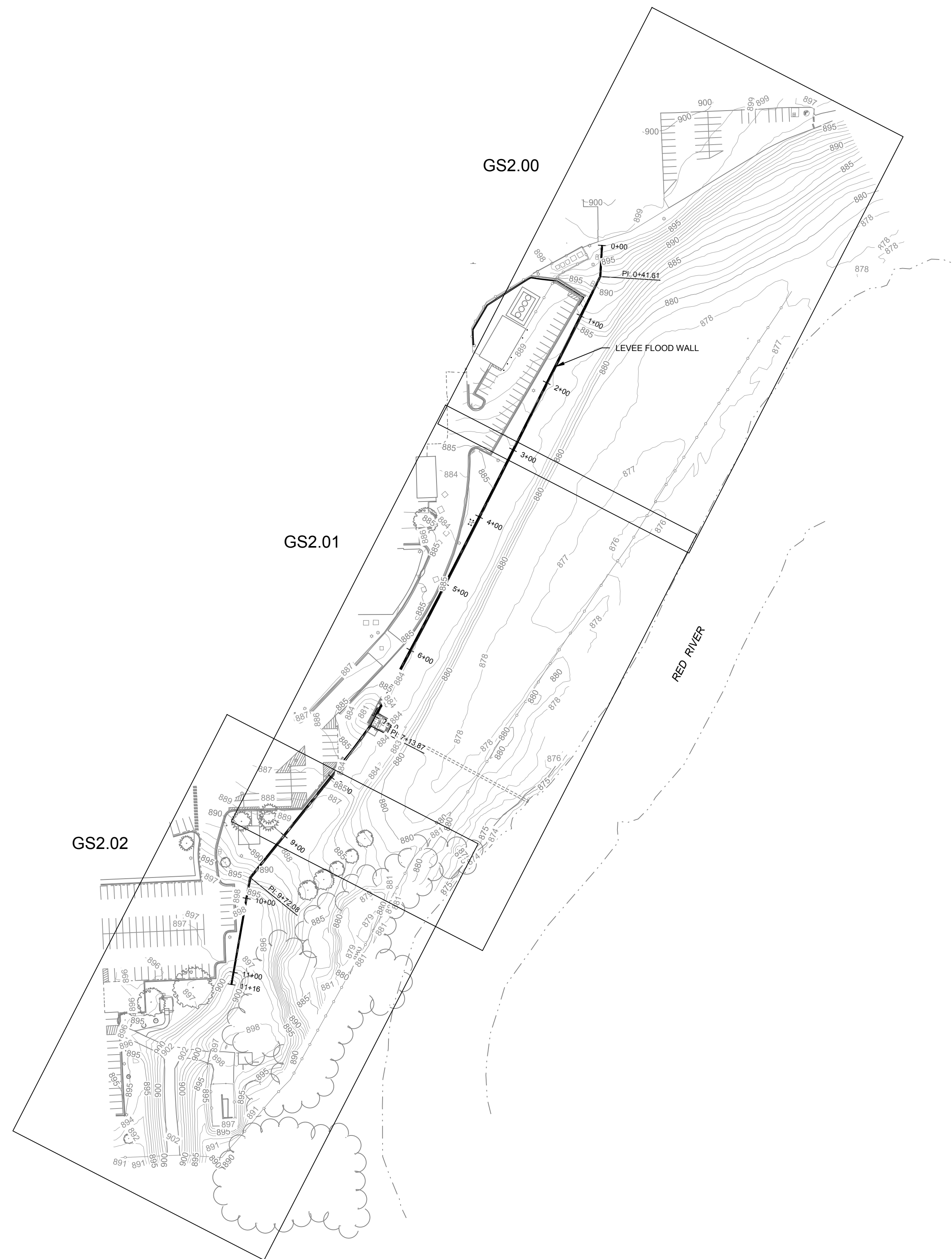
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 L:\15-2020\AE\Info\IDD\Draws_ND\03 19 2481 AD3 North Dakota Repair Flood Wall Levee System\Drawing\Architecture\437-19-104 Repair Flood



NORTH DAKOTA VICINITY MAP

LEGEND

- CP-1 CONTROL POINT
- WATER VALVE
- SANITARY SEWER MANHOLE (RIM ELEVATION SHOWN IN FEET)
- STORM WATER MANHOLE (RIM ELEVATION SHOWN IN FEET)
- UTILITY MANHOLE (RIM ELEVATION SHOWN IN FEET)
- ELECTRICAL BOX
- STORM WATER INLET (RIM ELEVATION SHOWN IN FEET)
- GAS VALVE
- MONITORING WELL
- UTILITY VAULT (RIM ELEVATION SHOWN IN FEET)
- TREE - EVERGREEN
- TREE - DECIDUOUS
- TREE LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- CULVERT
- EDGE OF ASPHALT
- CHAINLINK FENCE
- FIRE HYDRANT
- LIGHT POLE
- SIGN
- BOLLARD
- PLASTIC BARRIER
- UTILITY POLE
- CROSSWALK STRIPING
- EL ELEVATION

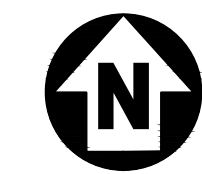


CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	474366.78	2899793.48	898.84	SET 3/4" RPC STAMPED "DJ&A CP"
CP-2	473313.60	2899256.92	902.06	SET 3/4" RPC STAMPED "DJ&A CP"
CP-3	473904.09	2899530.70	887.45	SET 3/4" RPC STAMPED "DJ&A CP"
CP-4	473721.58	2899552.66	879.13	SET 3/4" RPC STAMPED "DJ&A CP"

GENERAL NOTE:
ALL MARKED PARKING SPACE STRIPES AND SURFACE AREA TYPES SHOWN HEREON ARE APPROXIMATE UTILIZING UAV IMAGERY, COLLECTED BY THIS CONSULTANT ON MAY 12, 2020.

FLOOD STAGE NOTE:
FLOOD STAGE WATER LEVELS AND NORMAL NORTH DAKOTA STATE CONDITIONS FOR THIS TIME OF THE YEAR (SEE DATE OF SURVEY) COULD HAVE PREVENTED OBSERVATION OF SURFACE ITEMS SUCH AS FLUSH SURFACE UTILITIES. TOPOGRAPHIC FEATURES AND UTILITIES SHOWN ARE SHOWN FROM ITEMS ABLE TO BE LOCATED FROM FIELD VISIT. THE SURVEYOR MAKES NO GUARANTEE THAT ALL TOPOGRAPHIC FEATURES AND UTILITY ENTITIES ARE SHOWN DUE TO SAID "FLOOD STAGE" CONDITIONS.

UTILITY NOTE:
UNDERGROUND UTILITY LOCATIONS BY GENERAL CONTRACTOR. LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING.



0 100 200
SCALE IN FEET
CONTOUR INTERVAL = 1'

HORIZONTAL INFORMATION: COORDINATE VALUES AND DISTANCES SHOWN HEREON ARE NORTH DAKOTA STATE PLANE SOUTH ZONE 3302 (GRID) VALUES, NORTH AMERICAN DATUM 1983 (NAD83(2011)), DERIVED FROM CP-1, SET 3/4" RED PLASTIC CAP MARKED "DJ&A CP", HAVING A GEODETIC LOCATION FOR CP-1: LATITUDE: 48°24'53.888" NORTH, LONGITUDE: 96°40'21.48659" WEST AND STATE PLANE COORDINATES OF N: 474366.78, E: 2899793.48.
VERTICAL INFORMATION: GNSS DERIVED ELEVATIONS WERE UTILIZED FOR ALL MAPPING POINTS ON THIS PROJECT AND IS IN REFERENCE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) UTILIZING GEOID 18. UTILIZING CP-1 WHICH WAS HELD FIXED USING THE ELEVATION VALUE OF 898.84 FEET.
THE BASIS OF BEARING FOR THIS PROJECT IS GRID NORTH OF NORTH DAKOTA STATE PLANE SOUTH ZONE (3302).
HORIZONTAL UNITS SHOWN HEREON ARE LISTED AS INTERNATIONAL FEET.
VERTICAL UNITS SHOWN HEREON ARE LISTED AS U.S. SURVEY FEET.

CONSTRUCTION DOCUMENTS

L:\19-2481_AE_Misc\DDI\Drawings\ND03 19 2481 AD3 North Dakota Repair Flood Wall Levee System\Drawings\2481 - ND Repair Flood Wall Levee System.dwg 7/27/2020 2:14:45 PM

Revisions:	Date:

CONSULTANT	
ALBERTSON ENGINEERING INC. 3202 WEST MAIN STREET, SUITE C RAPID CITY, SOUTH DAKOTA 57702 PHONE (605) 343-9606	DJ&A, P.C. 3202 SOUTH RUSSELL STREET MISSOULA, MONTANA 59801 PHONE (406) 721-4320

ARCHITECT/ENGINEER OF RECORD	STAMP
FOURFRONT DESIGN, INC. 517 7TH STREET RAPID CITY, SOUTH DAKOTA 57701 PHONE (605) 342-9470	

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

Drawing Title SITE MAP / TOPOGRAPHIC SURVEY
Approved: _____

Phase EXISTING FLOOD WALL PLAN

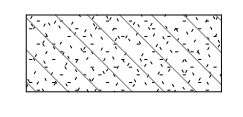
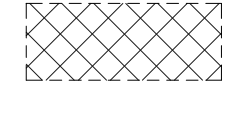
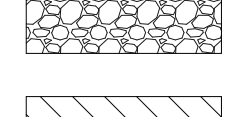
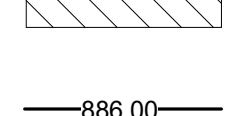
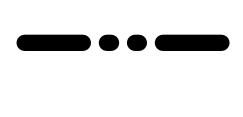
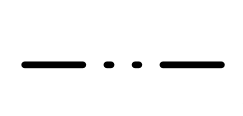

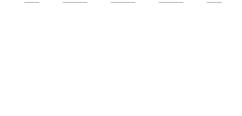

Project Title REPAIR FLOOD WALL LEVEE SYSTEM		
Location FARGO VA HEALTH CARE SYSTEM		
Issue Date DECEMBER 18, 2020	Checked	Drawn

Project Number 437-19-104
Building Number SITE
Drawing Number GS1.00
Dwg. 2 of 15

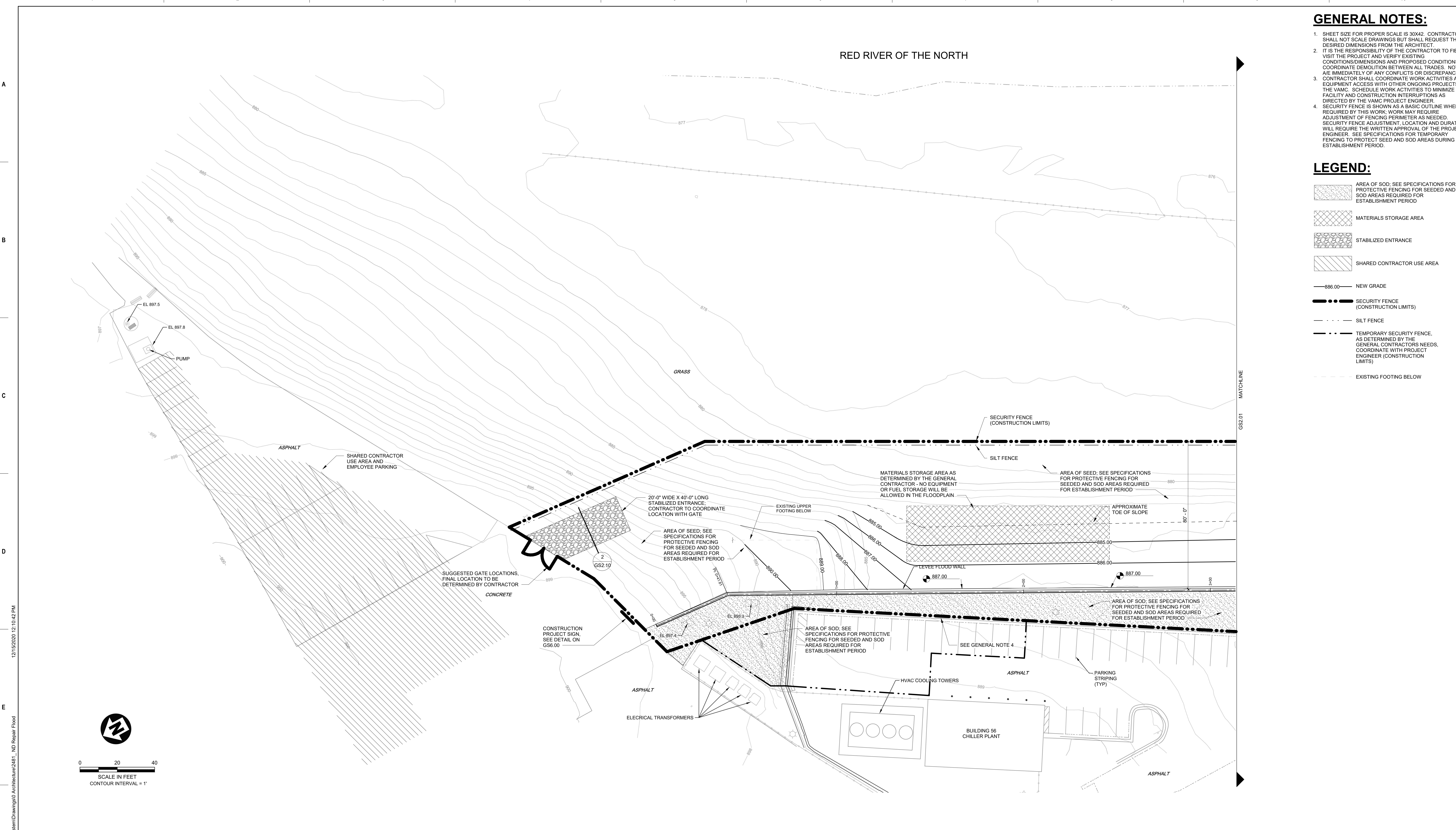
GENERAL NOTES:

1. SHEET SIZE FOR PROPER SCALE IS 30X42. CONTRACTOR SHALL NOT SCALE DRAWINGS BUT SHALL REQUEST THE DESIRED DIMENSIONS FROM THE ARCHITECT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VISIT THE PROJECT AND VERIFY EXISTING CONDITIONS/DIMENSIONS AND PROPOSED CONDITIONS. COORDINATE DEMOLITION BETWEEN ALL TRADES. NOTIFY A/E IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES.
3. CONTRACTOR SHALL COORDINATE WORK ACTIVITIES AND EQUIPMENT ACCESS WITH OTHER ONGOING PROJECTS AT THE VAMC. SCHEDULE WORK ACTIVITIES TO MINIMIZE FACILITY AND CONSTRUCTION INTERRUPTIONS AS DIRECTED BY THE VAMC PROJECT ENGINEER.
4. SECURITY FENCE IS SHOWN AS A BASIC OUTLINE WHERE REQUIRED BY THIS WORK. WORK MAY REQUIRE ADJUSTMENT OF FENCING PERIMETER AS NEEDED. SECURITY FENCE ADJUSTMENT, LOCATION AND DURATION WILL REQUIRE THE WRITTEN APPROVAL OF THE PROJECT ENGINEER. SEE SPECIFICATIONS FOR TEMPORARY FENCING TO PROTECT SEED AND SOD AREAS DURING ESTABLISHMENT PERIOD.

LEGEND:

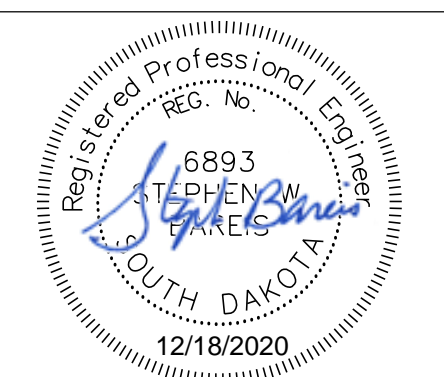
-  AREA OF SOD. SEE SPECIFICATIONS FOR PROTECTIVE FENCING FOR SEEDED AND SOD AREAS REQUIRED FOR ESTABLISHMENT PERIOD
-  MATERIALS STORAGE AREA
-  STABILIZED ENTRANCE
-  SHARED CONTRACTOR USE AREA
-  886.00 NEW GRADE
-  SECURITY FENCE (CONSTRUCTION LIMITS)
-  SILT FENCE
-  TEMPORARY SECURITY FENCE, AS DETERMINED BY THE GENERAL CONTRACTOR'S NEEDS, COORDINATE WITH PROJECT ENGINEER (CONSTRUCTION LIMITS)
-  EXISTING FOOTING BELOW

RED RIVER OF THE NORTH



1 SITE PLAN - CIVIL NORTH
1" = 20'-0"

CONSTRUCTION DOCUMENTS

<p>CONSULTANT</p> <p>ALBERTSON ENGINEERING INC. 3202 WEST MAIN STREET, SUITE C RAPID CITY, SOUTH DAKOTA 57702 PHONE (605) 343-9606</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>DJ&A, P.C. 3202 SOUTH RUSSELL STREET MISSOULA, MONTANA 59801 PHONE (406) 721-4320</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>FOURFRONT DESIGN, INC. 517 7TH STREET RAPID CITY, SOUTH DAKOTA 57701 PHONE (605) 342-9470</p>		<p>STAMP</p> 		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title</p> <p>CIVIL - SITE PLAN NORTH</p>		<p>Phase</p> <p>CONSTRUCTION DOCUMENTS</p>		<p>Project Title</p> <p>REPAIR FLOOD WALL LEVEE SYSTEM</p>		<p>Project Number</p> <p>437-19-104</p>																					
<p>Revisions:</p> <table border="1"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>																						<p>Date:</p>		<p>Approved:</p>		<p>Location</p> <p>FARGO VA HEALTH CARE SYSTEM</p>		<p>Issue Date</p> <p>DECEMBER 18, 2020</p>		<p>Checked</p> <p>SB</p>		<p>Drawn</p> <p>KZ</p>		<p>Building Number</p> <p>SITE</p>		<p>Drawing Number</p> <p>GS2.00</p>	
<p>VA FORM 08 - 6231</p>		<p>1</p>		<p>2</p>		<p>3</p>		<p>4</p>		<p>5</p>		<p>6</p>		<p>7</p>		<p>8</p>		<p>9</p>		<p>10</p>																	

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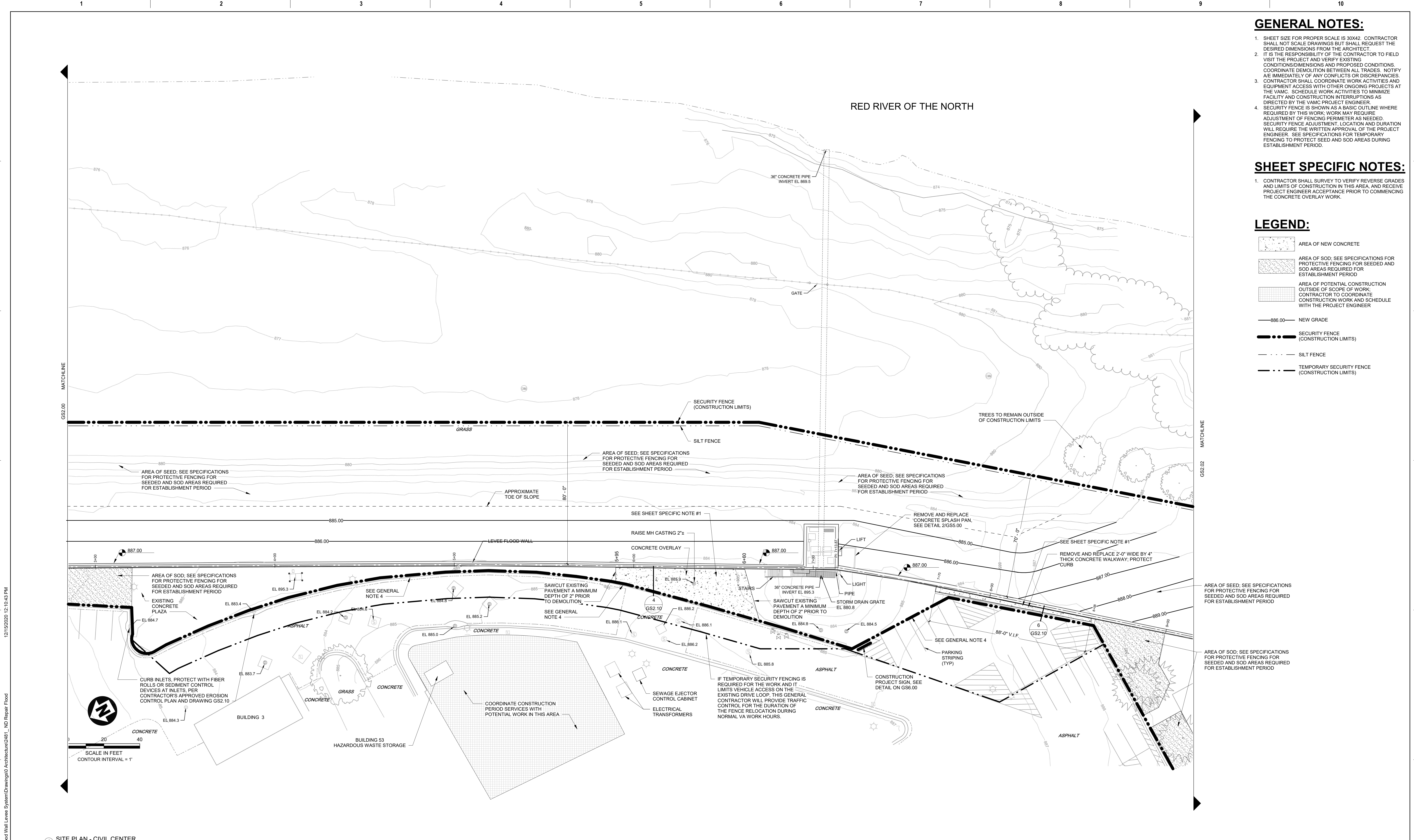
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SHEET SPECIFIC NOTES:

1. CONTRACTOR SHALL SURVEY TO VERIFY REVERSE GRADES AND LIMITS OF CONSTRUCTION IN THIS AREA, AND RECEIVE PROJECT ENGINEER ACCEPTANCE PRIOR TO COMMENCING THE CONCRETE OVERLAY WORK.

LEGEND:

- AREA OF NEW CONCRETE
- AREA OF SOD; SEE SPECIFICATIONS FOR PROTECTIVE FENCING FOR SEEDED AND SOD AREAS REQUIRED FOR ESTABLISHMENT PERIOD
- AREA OF POTENTIAL CONSTRUCTION OUTSIDE OF SCOPE OF WORK; CONTRACTOR TO COORDINATE CONSTRUCTION WORK AND SCHEDULE WITH THE PROJECT ENGINEER
- NEW GRADE
- SECURITY FENCE (CONSTRUCTION LIMITS)
- SILT FENCE
- TEMPORARY SECURITY FENCE (CONSTRUCTION LIMITS)



1 SITE PLAN - CIVIL CENTER
1" = 20'-0"

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<p>CONSULTANT</p> <p>ALBERTSON ENGINEERING INC. 3202 WEST MAIN STREET, SUITE C RAPID CITY, SOUTH DAKOTA 57702 PHONE (605) 343-9606</p>		<p>ARCHITECT/ENGINEER OF RECORD</p> <p>DJ&A, P.C. 3202 SOUTH RUSSELL STREET MISSOULA, MONTANA 59801 PHONE (406) 721-4320</p>		<p>STAMP</p>		<p>Office of Construction and Facilities Management</p> <p>VA U.S. Department of Veterans Affairs</p>		<p>Drawing Title</p> <p>CIVIL - SITE PLAN CENTER</p>		<p>Phase</p> <p>CONSTRUCTION DOCUMENTS</p>		<p>Project Title</p> <p>REPAIR FLOOD WALL LEVEE SYSTEM</p>		<p>Project Number</p> <p>437-19-104</p>	
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		<p>COORDINATE CONSTRUCTION PERIOD SERVICES WITH POTENTIAL WORK IN THIS AREA</p>								<p>Building Number</p> <p>SITE</p>		<p>Drawing Number</p> <p>GS2.01</p>		<p>Dwg. 4 of 15</p>	

