

CONSTRUCTION PLAN FOR WASTEWATER COLLECTION AND TREATMENT SYSTEM IMPROVEMENTS- REBID

GARDEN CITY GARDEN CITY, SOUTH DAKOTA



416 Production St N
P.O. Box 111
Aberdeen, S.D. 57402
Phone: 605.225.1212
Fax: 605.225.3189
Email: bob@helmsengineering.com



DESCRIPTION OF WORK

Lift Station Improvements shall include: Removal of Existing Lift Stations, Installation of a Wet Well, Duplex Lift Station, HDPE Safety Laddersand, Control Valve Pit, a New Control Panel, and other miscellaneous work.

MAYOR and CITY COUNCIL

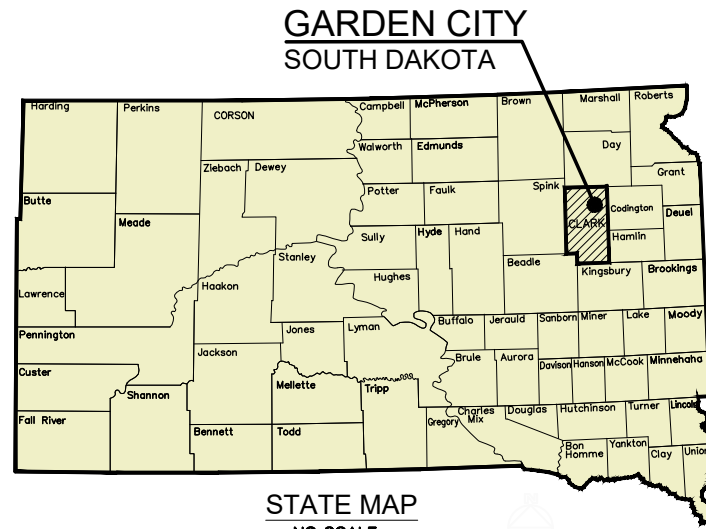
Board of President	Jacob Leibke
Finance Officer	Andrea Helkenn
Trustee	Marilyn Foster
Trustee	Joyce Hansen
Utility Manager	Alan Luckhurst

INDEX OF SHEETS

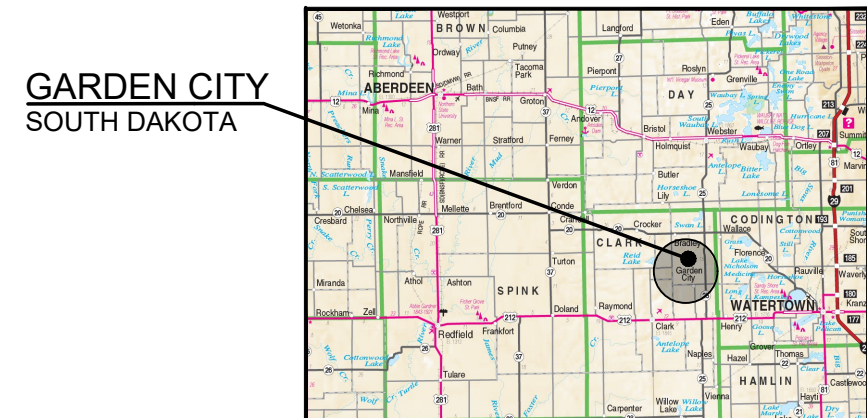
1. Cover Sheet
2. Notes/ Quantities
3. Lift Station Topographic Survey
4. Lift Station Improvements
5. Lift Station Detail Plan Sheet



VICINITY MAP
NO SCALE



STATE MAP
NO SCALE



LOCATION MAP
NO SCALE

COVER SHEET

WASTE WATER COLLECTION AND
TREATMENT SYSTEM IMPROVEMENTS
GARDEN CITY, SOUTH DAKOTA

Drawn By: KMW
Chk By: BDS
Proj. No: A-9512
Dwg. No: 9512-PNT
VP. No: COVER
Date: 2/20/26

GENERAL PLAN NOTES

The designs represented in these plans are in accordance with established practices of Civil Engineering for the design functions and uses intended by the Owner. However, neither Helms and Associates, nor its personnel can or do warranty these designs or plans as constructed except in the specific cases where Helms and Associates personnel observe and control the physical construction on a contemporary basis at the site.

The Contractor shall take all precautions necessary to avoid property damage to adjacent properties during the construction phases of this project. The Contractor will be held solely responsible for any damages to the adjacent properties occurring during the construction phases of this project.

REMOVALS & DISPOSAL

All items shall be disposed of in accordance with the waste disposal requirements in these plans. All work associated with the disposal shall be the responsibility of the Contractor and shall be considered incidental to the work items performed.

PROJECT CLEANUP AND SAFETY

The Contractor shall be responsible for returning all disturbed areas to their original elevations within 24 hours of completion of each block. The top 6 inches, of any area to be seeded, shall be backfilled with clean topsoil, raked free of clods and debris, and seeded by the Contractor. The Contractor shall clean the entire site on a daily basis and should not restrict local traffic over night.

In accordance with generally accepted construction practices, the Contractor is solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work this requirement applies continuously and is not limited to normal working hours.

The duty of the Engineer or Owner to conduct construction review of the Contractor's performance is not intended to include review of the adequacy of the Contractor's safety measures, in, on, or near the construction site.

SEQUENCE OF OPERATIONS AND TRAFFIC CONTROL

During construction of the project, the existing traffic control devices shall be removed, reset or relocated as necessary by the Contractor to safely control traffic through or around the project. Devices no longer needed shall be neatly stockpiled on the project at a location designated by the Engineer.

Throughout the project, the Contractor must maintain access to site at all times.

The Contractor shall have qualified personnel to be responsible for traffic control items 24 hours per day and 7 days per week. The Contractor shall be responsible for maintaining all existing traffic control signing for safety of traveling public. Construction operations will be allowed during daylight hours only, unless otherwise allowed by the Engineer.

EXISTING CULVERTS

Contractor is responsible for culverts damaged by his men or equipment through negligence. The contractor shall provide erosion control at each culvert near excavation activities where indicated on the plans or directed by the Engineer.

When directed by the Engineer to replace 10" to 18" CMP culvert, due to no fault or negligence by the Contractor as determined by the Owner's Representative, the Contractor shall furnish and install the necessary pipe. This work will be paid for by Contract Unit Price for "Remove and Reset CMP Culvert" as indicated on the Bid Form. Situations that may require replacement of Culvert include but are not limited to deteriorated culvert that is unable to be salvaged after installation of Sewer Pipe.

WASTE DISPOSAL

The Contractor will be required to dispose of construction/ demolition debris generated by this project in accordance with the requirements set forth by the South Dakota Department of Environment and Natural Resources (SD-DENR). Construction/demolition debris will not be disposed of within the TOWN ROW.

Permitted MSW facilities in the area is Watertown Regional Landfill located near Watertown.

Failure to comply with the requirements for proper disposal may result in civil penalties in accordance with South Dakota Solid Waste Law, SDCL 34A-6-1.31.

All costs associated with loading and transporting waste to the disposal site(s) shall be incidental to the various contract items.

STORM DRAINAGE PROVISIONS

Since the proposed construction activities involves the disturbance of more than 1-acre, an EPA National Pollutant Discharge Elimination Systems (NPDES) storm water general permit for South Dakota construction activities is required. The City will file a Notice of Intent with the NPDES department prior to start of construction activities. The Contractor will be required to sign the Owner's Storm Water Pollution Prevention Plan as provided in the plan sheets and in Section 01560 of the project specifications. A copy of this plan will be required to be on-site during construction activities. The Contractor may contact the SD Department of Environment and Natural Resources at 605-773-3351 or 1-800-SDSTORM for more information concerning this program.

The Contractor shall provide for and maintain drainage of storm waters away from existing buildings, homes, and exposed surfaces or provide immediate pumping of ponded areas on the work site. No compensation will be made for damage resulting from improper drainage during construction.

EXISTING UTILITIES

The Contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The Contractor shall call the appropriate utility companies at least 48 hours before any excavation to request exact field location of utilities. It is the responsibility of the Contractor to relocate or, coordinate relocation of, all utilities requiring relocation.

It is the responsibility of the Contractor to verify in the field, the locations of existing watermains, water services, sewer mains, and sewer services. The Contractor shall be responsible for locating and preserving all existing utilities in their present condition. Existing utilities shown on the plans are for general information only and are to be located by the Contractor prior to the start of construction.

Local contact for water and sewer utilities is Town of Garden City Water and Sewer Superintendent: Allan Luchurst @ 605-881-6154
All utilities SD-ONE CALL
P.O.C. 1-800-781-7474

EXISTING SEWER PIPING AND MANHOLES

The Contractor shall remove existing sanitary sewer piping and manholes during the installation of new sewer piping and manholes. Contractor shall dispose of sanitary sewer piping and manholes in accordance with the "Waste Disposal" requirements provided in these plans. The Owner shall consider all costs for removal and disposal of sanitary sewer piping incidental to the associated installation work with no separate measurement or payment made to the Contractor.

HAUL ROADS

Contractor shall obtain written permission from the proper state, county, and municipal authorities for use of local roads as haul roads. A copy shall be sent to the Owner and the Engineer prior to construction. Contractor shall obtain a written release from all cities, counties, and townships owning or maintaining the haul roads used by the Contractor upon completion of the construction. Haul road restoration shall be the responsibility of the Contractor.

EXISTING WASTEWATER OPERATIONS

Contractor shall be required to maintain operation of existing sewer and wastewater treatment operations during construction. Payment for all operations to bypass sewer system to maintain constant service shall be included in bid form under sewer bypass. The discharge of wastewater to areas other than existing Sanitary sewers or permitted wastewater treatment facilities is not permitted under any circumstances.

DEWATERING PERMIT

The Contractor shall be required to obtain permit coverage under the Department of Agriculture and Natural Resources (SD-DANR) general permit for temporary dewatering if water from temporary dewatering activities will be discharged to waters of the State during construction. For more information, contact the SD-DANR Surface Water Quality program at (605) 773-3351.

WATER FOR COMPACTION

The Contractor may utilize water from the City's water system. Water shall be obtained from a pre-arranged location with the City's Water Department. Water utilized from the City's water system shall be measured with a meter or by load count with a tank of uniform volume. If Contractor prefers different source of water supply, Contractor shall obtain all permits required and source shall be approved by Engineer.

The Contractor shall obtain a Temporary Water Rights Permit to use water for construction, testing, or drilling purposes from the SD Department of Environment and Natural Resources for **all other water sources**. Contact SD-DENR by phone at 605-773-3352 for more information.

SALVAGING, STOCKPILING, AND PLACING TOPSOIL

The Contractor shall remove a minimum of eight (8) inches of soil cover for topsoiling operations. The Contractor shall separate the material during excavation to prevent contamination with other excavated materials. The Contractor shall place a minimum of six (6) inches of topsoil evenly over the disturbed areas upon completion of grading operations. If sufficient topsoil is not available, or the Contractor fails to salvage clean topsoil, the Contractor shall provide topsoil to complete topsoil operations.

Item	Description	Quantity	Unit
1	Mobilization	1	L.S.
2	Remove & Dispose Sanitary Sewer Mainline	24	Ft
3	Remove & Dispose of Existing Wet & Dry Well	1	Each
4	Connect to Existing 4" Forcemain	1	Each
5	4" Sanitary Sewer Forcemain	75	Ft
6	4" 45° Forcemain Bends	2	Each
7	Abandon & Cap 4" Sanitary Sewer Forcemain	2	Each
8	Connect to Existing 8" Sewermain	1	Each
9	8" Sanitary Sewermain	40	Ft
10	Base Course	60	Tons
11	Duplex Lift Station and Control Valve Pit Complete	1	Each
12	Bypass Pumping (if needed)	1	L.S.
13	Seeding, Fertilizing, and Mulching	0.5	Acre



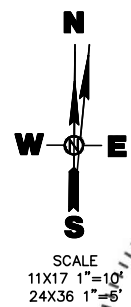
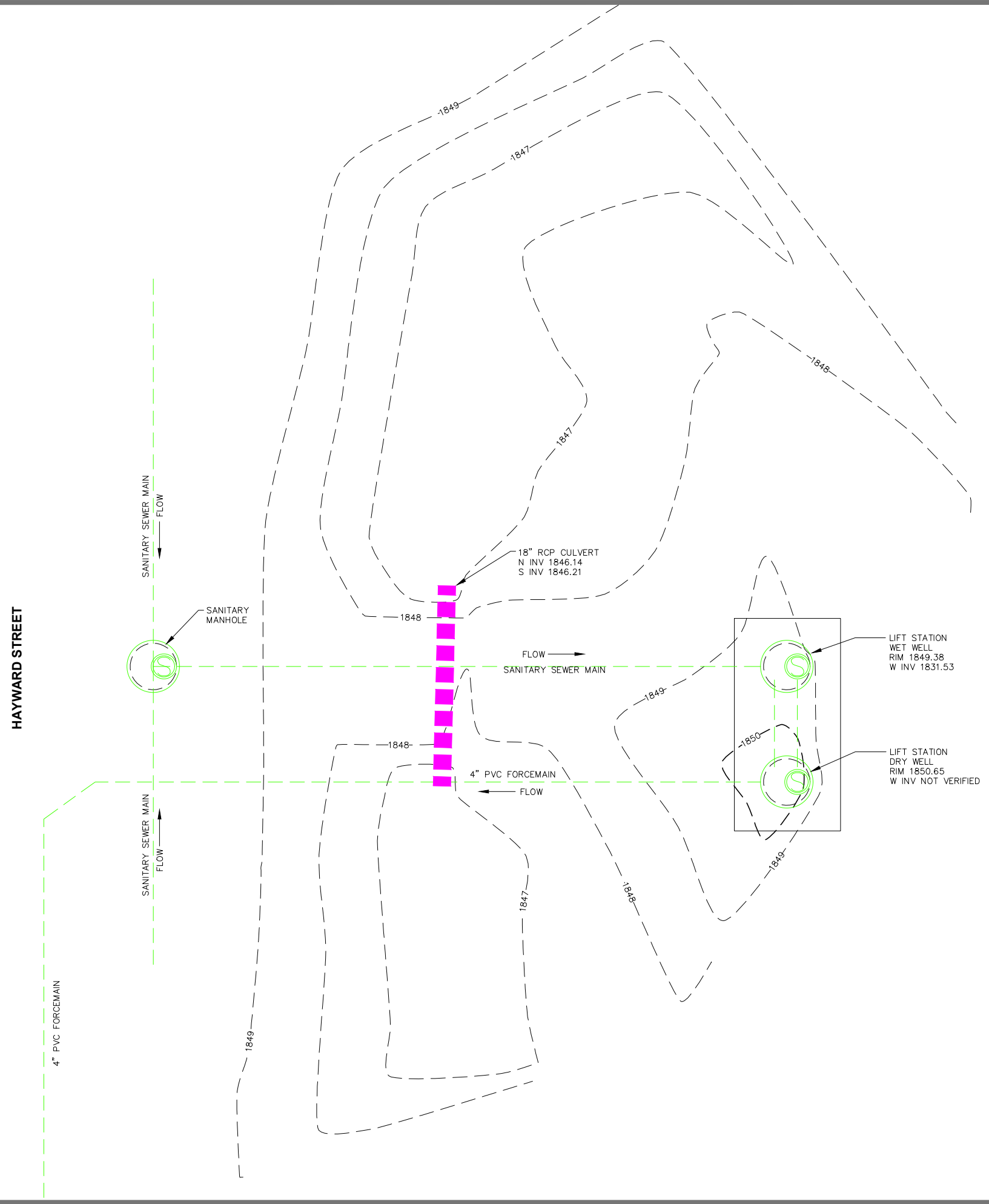
416 Production St. N
P.O. Box 111
Aberdeen, S.D. 57402
Phone: 605.225.1212
Fax: 605.225.3189
Email: bob@helmsengineering.com



NOTES

Drawn By: KMW
Chk' By: BDS
Proj. No: A-9512
Dwg. No: 9512-PNT
VP. No: NOTES
Date: 2/20/26

WASTE WATER COLLECTION AND TREATMENT SYSTEM IMPROVEMENTS GARDEN CITY, SOUTH DAKOTA

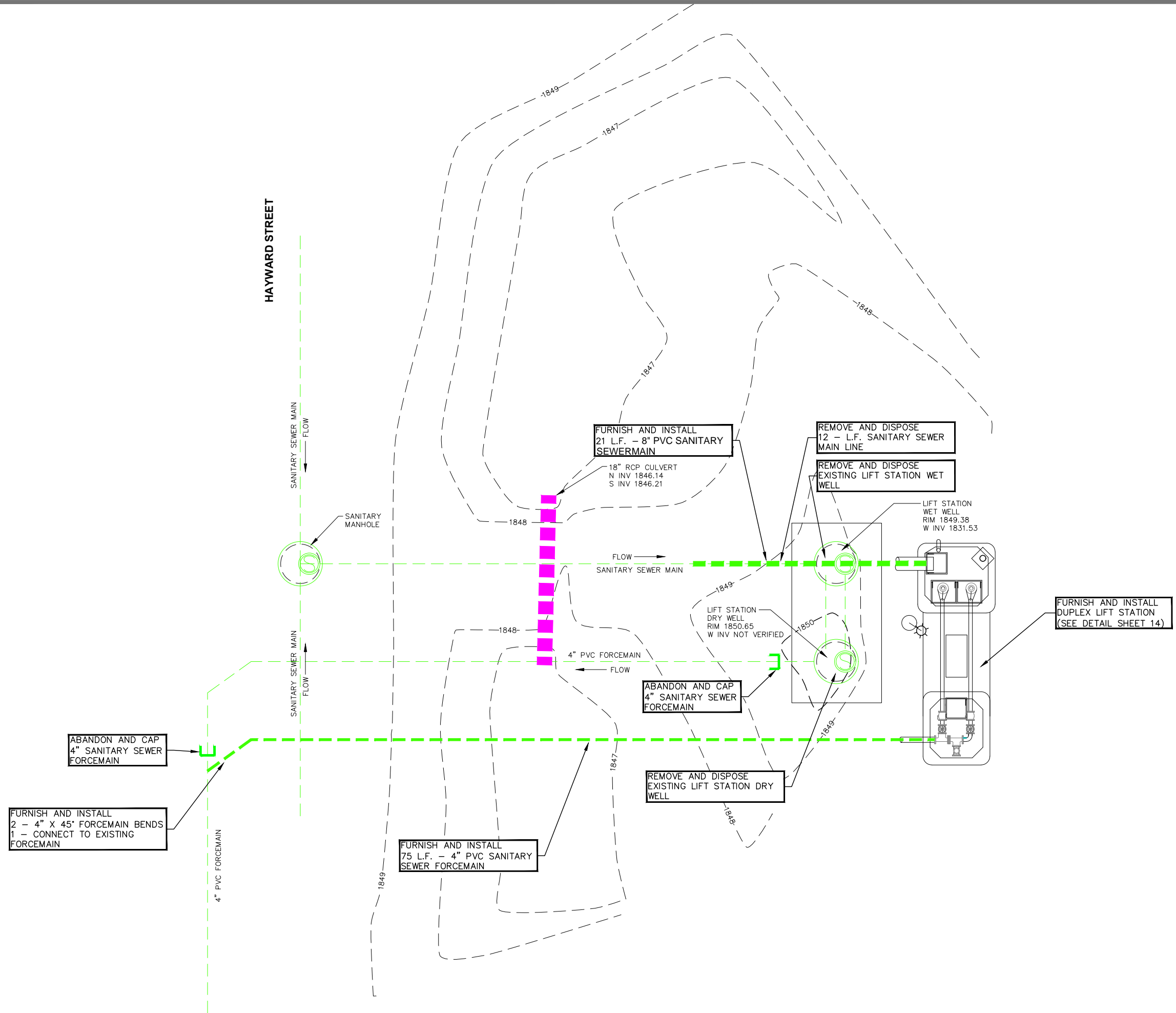


416 Production St N
 P.O. Box 111
 Aberdeen, S.D. 57402
 Phone: 605.225.1212
 Fax: 605.225.3189
 Email: bobbb@helmsengineering.com



LIFT STATION TOPO
 WASTE WATER COLLECTION AND
 TREATMENT SYSTEM IMPROVEMENTS
 GARDEN CITY, SOUTH DAKOTA

Drawn By: KMW
 Chk By: BDS
 Proj. No: A-9512
 Dwg. No: 9512-PNT
 VP. No: LIFT TOPO
 Date: 2/20/26



N
W O E

Registered Professional Engineer
SOUTH DAKOTA
6/11/2026

Scale: 1" = 10'
24X36 1" = 9'

1037
BRAND
11/11/2025

By: [Signature]
Check: [Signature]

I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision and that I am a Registered Professional Engineer under the law of the State of South Dakota.
Registration No. [Redacted]

416 Production St
P.O. Box 111
Aberdeen, S.D. 57402
Phone: 605.225.1212
Fax: 605.225.3189
Email: bob@helmsengineering.com



LIFT STATION IMPROVEMENTS SHEET

WASTE WATER COLLECTION AND TREATMENT SYSTEM IMPROVEMENTS
GARDEN CITY, SOUTH DAKOTA

Drawn By: KMW
Chk By: BDS
Proj. No: A-9512
Dwg. No: 9512-PNT
VP. No: LIFT
Date: IMPROVEMENTS 6/11/2026

