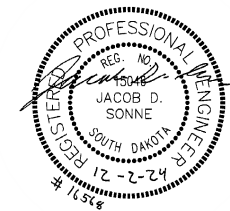


CONSTRUCTION PLANS FOR 2ND STREET IMPROVEMENTS PRESHO, SOUTH DAKOTA



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

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



PROJECT DESCRIPTION

This Project street improvements to 2nd street, reconstructing existing gravel road to 40' wide asphalt road w/curb and gutter. Work also consists of asphalt removals, salvaging of existing gravel surfacing, shaping and compacting existing subgrade, installation of separator fabric, base course, asphalt surfacing and concrete curb and gutter

INDEX OF SHEETS

BASE BID

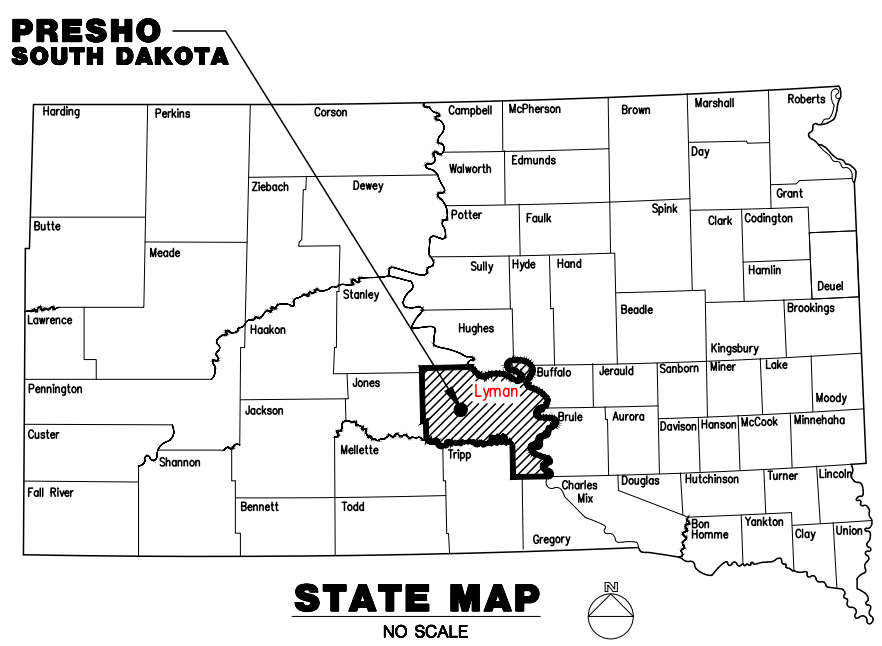
1. COVER SHEET
2. GENERAL NOTES & ESTIMATE OF QUANTITIES
3. TYPICAL SECTIONS
4. TRAFFIC CONTROL PLAN
5. EXISTING CONDITIONS AND REMOVALS
6. 2ND STREET PLAN AND PROFILE
7. DETAILS
- 8-12. STORM WATER POLLUTION PREVENTION PLAN
- 13-17. CROSS SECTIONS

PRESHO, SD CITY COUNCIL

- Mayor Angela Ehlers
- Council Member Grady Floyd
- Council Member Carl Brakke
- Council Member Kimm Schweitzer
- Council Member Emily Jacobs
- Council Member Betsy Brodrecht
- Council Member Bret McClanahan

Finance Officer Del Rae Diedrich

Public Works Director Wyatt Weber



COVER SHEET

2ND STREET IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-PNT
VP. No: COVER
Date: 12/24

UTILITIES -GENERAL

All underground utilities are based on field locations as marked by the utility companies' locators. Utility lines were created from those markings, conversations with the utility locate people, and existing utility

maps. Utility locations should be verified in the field before construction.

The contractor shall note that other contractors/utility providers may complete improvements at the same time as the Work is being completed.

The Contractor shall coordinate their work with the other Contractors/Utility providers during construction.

Before the complete or partial shut-down of any utility, the Contractor must provide 48 hours notice to the Owner, Engineer and affected property owners.

SURFACING

All asphalt and concrete surfacing including sidewalks and curb and gutter at match-in locations shall be full depth saw cut prior to new surface being installed. If, due to the Contractors own negligence, the edge of the cut surface is damaged, the Contractor is responsible for making a new, straight cut prior to the installation of the adjacent surfacing. Additional removal and replacement of surfacing due to damage by the Contractor shall be the Contractor's responsibility and incidental to the project.

PROJECT CLEAN-UP AND SAFETY

A construction entrance shall be installed if needed. Track out will not be allowed on Ohlman Street. If track out occurs, the Contractor shall clean it up immediately.

The Contractor is solely responsible for job site conditions including safety of all persons and property during the performance of the work.

GENERAL NOTES

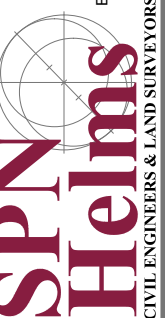
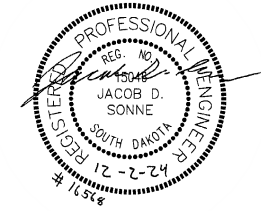
Water for Compaction must be metered. Contact the City of Presho when water is needed for Compaction.

Staging- The Contractor shall locate an appropriate staging area.

STREET CLOSURES

The Contractor shall contact all proper authorities 48 hours in advance when street closures are anticipated.

Item #	Description	Quantity	
1	Mobilization	1	LS
2	Remove Asphalt Surfacing	245	SY
3	Remove Concrete Surfacing	46	SY
4	Full Depth Asphalt Sawcut	95	LF
5	Full Depth Concrete Sawcut	25	LF
6	Remove, Salvage, and Reset Vinyl Fence	283	LF
7	Unclassified Excavation and Embankment	780	CY
8	Emabnkment from City Borrow Pit	166	CY
9	Remove, Salvage, and Place Topsoil	580	SY
10	Gravel surfacing (6" Depth)	70	TN
11	Base Course (8" Depth)	770	TN
12	Asphalt Surfacing (3" Depth)	250	TN
13	Geotextile Fabric Separator	1,594	SY
14	Concrete Curb and Gutter	502	LF
15	6" Concrete Approach Pavement	15	SY
16	Adjust Manhole to Grade	2	EA
17	Adjust Valve Box to Grade	1	EA
18	Seed and Fertilize	83	SY
19	Seed, Fertilize, and Hydromulch	580	SY
20	Sediment Control at Inlet with Frame and Grate	2	EA
21	Type 1 Turf Reinforcement Mat	83	SY
22	Traffic Control Signage	200	SF
23	Traffic Control Barricade	15	EA
24	Miscellaneous Traffic Control	1	LS



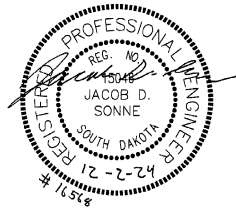
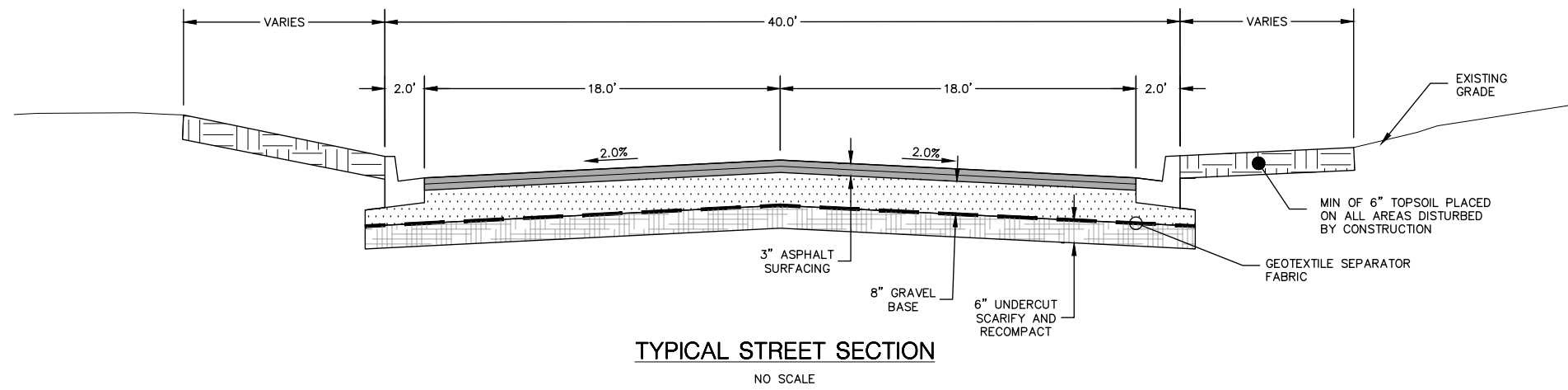
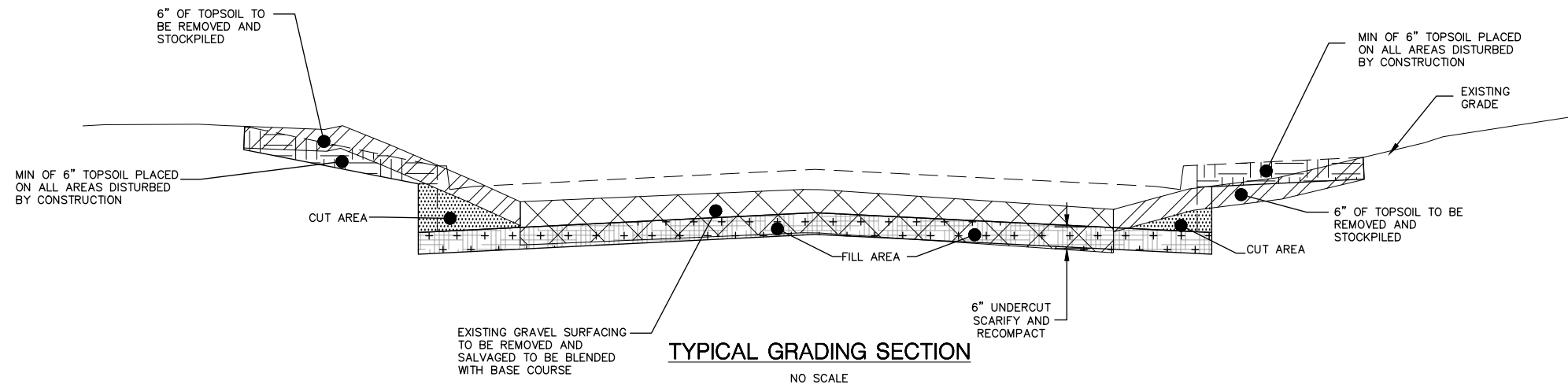
GENERAL NOTES AND ESTIMATE OF QUANTITIES

2ND STREET IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: NOTES
 Date: 12/24

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

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



No.	Revisions	Date

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

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



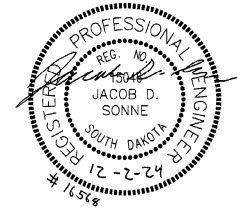
TYPICAL SECTIONS

2ND STREET IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk' By: JS
Proj. No: M-16586
Dwg. No: 16586-01
VP. No: TYP
Date: 12/2/24

LEGEND

SYMBOL	ITEM	QUANTITY
①	ROAD CLOSED W/ TYPE 3 BARRICADES	5 EA.
②	ROAD CLOSED TO THRU TRAFFIC	3 EA.
③	ROAD CLOSED AHEAD	1 EA.



No.	Revisions	Date

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

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

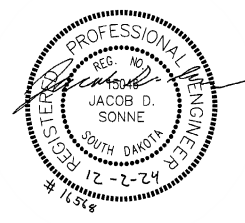
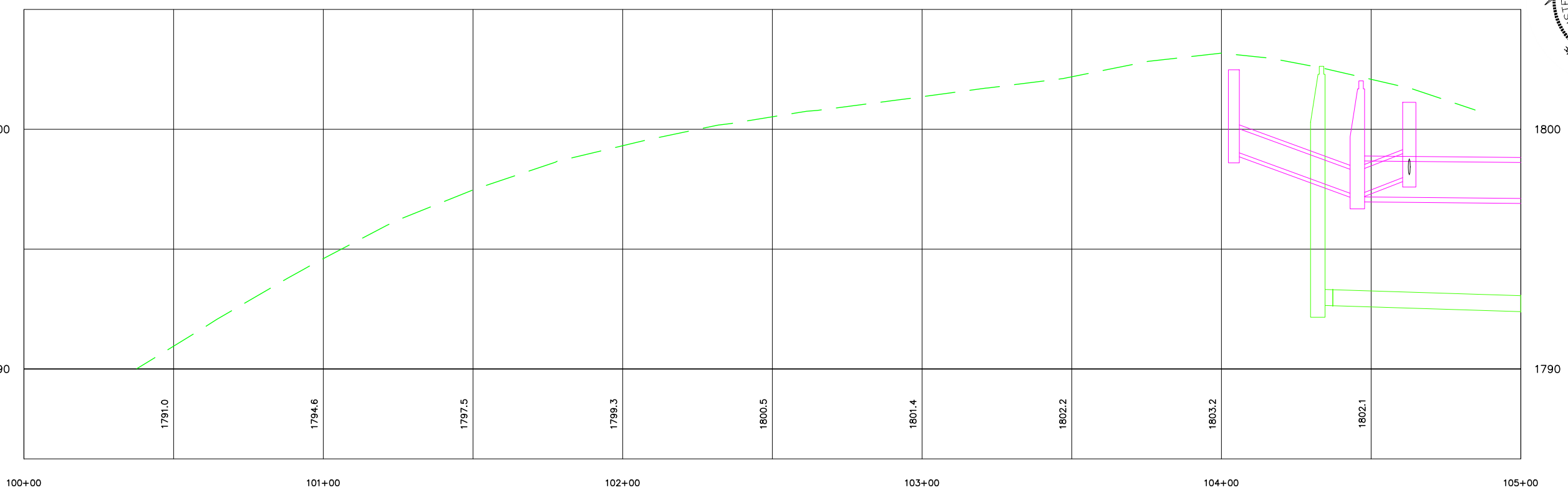
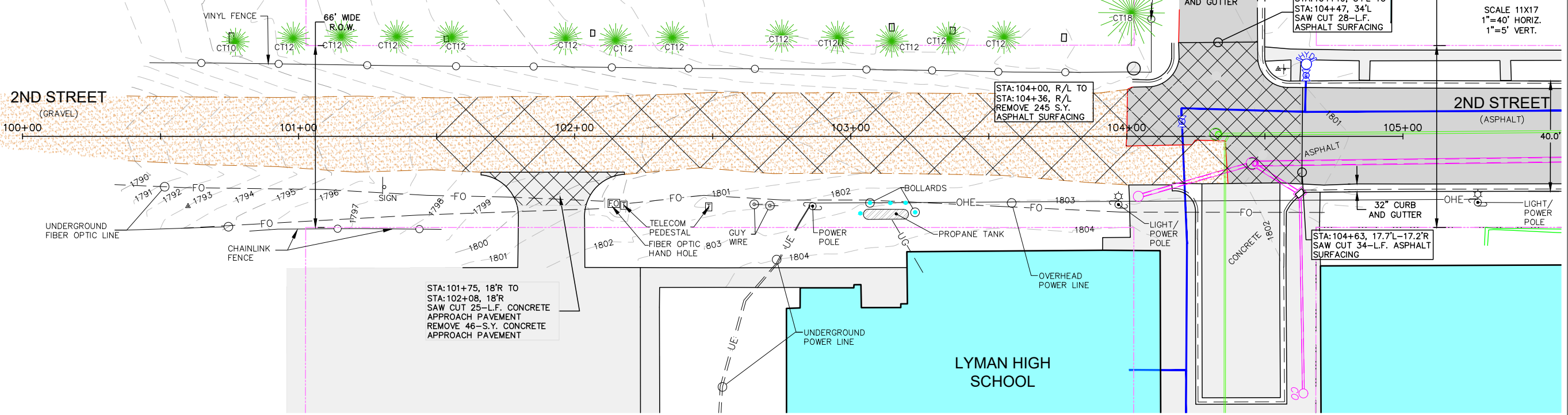


TRAFFIC CONTROL PLAN

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-01
VP. No: TRAFFIC
Date: 12/2/24

2ND STREET IMPROVEMENTS
PRESHO, SOUTH DAKOTA

- LEGEND**
- FENCE
 - STORM SEWER PIPE/CULVERT
 - STORM SEWER MANHOLE
 - STORM SEWER INLET
 - SANITARY SEWER PIPE
 - SANITARY SEWER MANHOLE
 - WATERMAIN PIPE
 - WATER VALVE
 - FIRE HYDRANT
 - LIGHT POLE
 - UTILITY POLE
 - ELECTRICAL PEDESTAL
 - OHE—OVERHEAD POWER
 - UE—UNDERGROUND ELECTRICAL
 - UG—UNDERGROUND GAS LINE
 - FO—UNDERGROUND FIBER OPTIC LINE
 - TELECOM PEDESTAL
 - SIGN
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSHES/SHRUBS
 - TREE GROVE/SHELTER BELT
 - BUILDING
 - ASPHALT SURFACING
 - CONCRETE SURFACING
 - GRAVEL SURFACING
 - CONCRETE CURB AND GUTTER



Date

Revisions

No.

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

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







**EXISTING CONDITIONS/
SITE REMOVALS**

2ND STREET
IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-PNT
VP. No: TOPO
Date: 12/24

LEGEND

-  PROPOSED CONCRETE CURB AND GUTTER
-  PROPOSED CONCRETE APPROACH PAVEMENT
-  PROPOSED ASPHALT SURFACING
-  PROPOSED GRAVEL SURFACING

STA:101+00, 33'L TO STA:104+10, 33'L CONTRACTOR TO PROTECT EXISTING TREES (ADJUST GRADING TIE-INS AS NECESSARY TO NOT DAMAGE EXISTING TREES)

STA:101+50, 27'L TO STA:104+09, 23'L REMOVE SALVAGE AND RESET EXISTING VINYL FENCE TO 30'L±

STA:101+00, 13'R/L TO STA:101+50, 18'R/L 172-S.Y. 6" DEPTH GRAVEL SURFACING TRANSITION (CONTRACTOR FURNISHED)

STA:101+75, 20'-25'R TO STA:102+08, 20'-25'R CONSTRUCT 15-S.Y. 6" CONCRETE APPROACH PAVEMENT

STA:101+50, 20.0'L/R TO STA:104+63, 17.7'L-17.2'R CONSTRUCT 1,300-S.Y. ASPHALT STREET 502-L.F. 24" WIDE CURB AND GUTTER

10'-L.F. TRANSITION 24" CURB AND GUTTER TO 32" GRADING LIMITS (30' LEFT OF C)

STA:104+63, 17.7'L-17.2'R SAW CUT 34-L.F. ASPHALT SURFACING

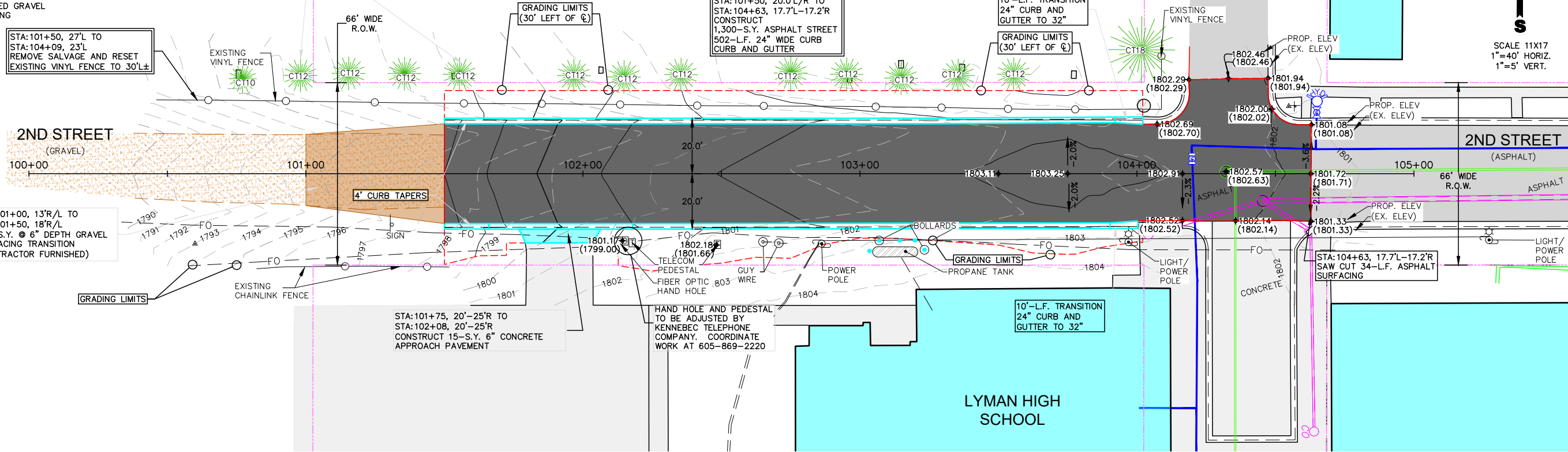
2ND STREET (GRAVEL)

2ND STREET (ASPHALT)

PRESHO CITY CEMETERY

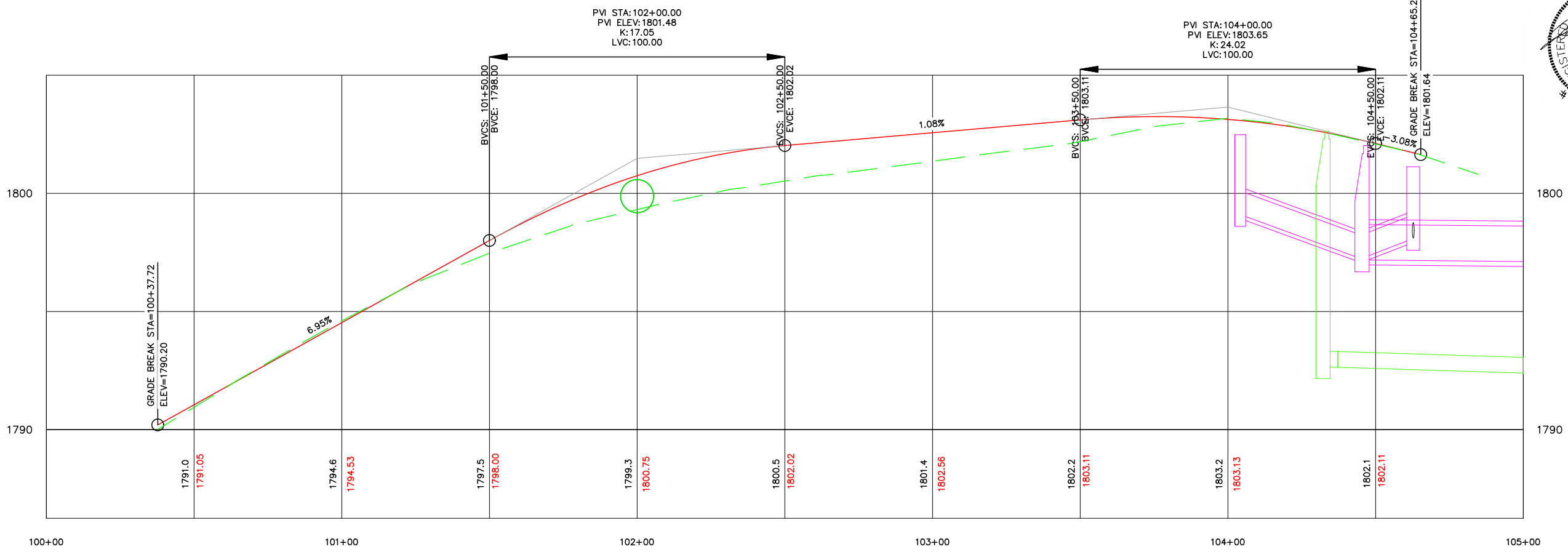
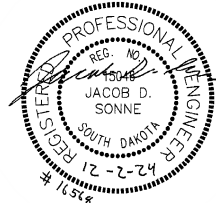
BIRCH AVE

LYMAN HIGH SCHOOL



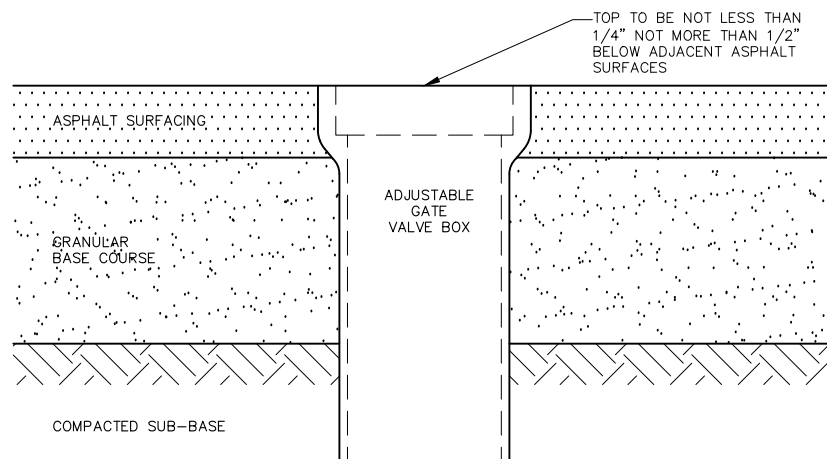
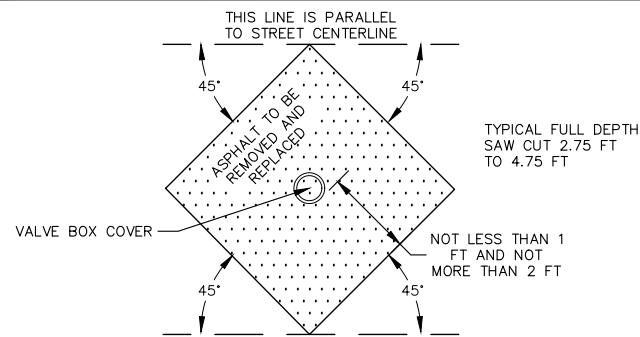
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the law of the State of South Dakota. Registration No.

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



**2ND STREET
PLAN AND PROFILE**
2ND STREET
IMPROVEMENTS
PRESHO, SOUTH DAKOTA

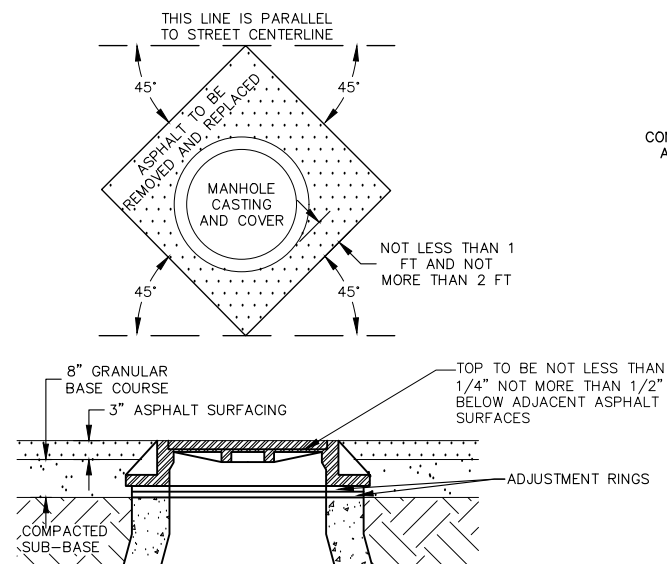
Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-PNT
VP. No: PP(1)
Date: 12/24



NOTE: THE VALVE BOXES SHALL BE INSTALLED SUCH THAT THE TOP OF THE VALVE BOX SHALL BE AT AN ELEVATION EQUAL TO THE STREET GRANULAR BASE COURSE MATERIAL. AFTER THE BASE COURSE MATERIAL AND ASPHALT SURFACING HAS BEEN PLACED THE VALVE BOX SHALL BE EXPOSED AND RAISED TO AN ELEVATION THAT IS NOT LESS THAN 1/4 INCH NOT MORE THAN 1/2 INCH BELOW THE ADJACENT ASPHALT SURFACES. THE REMOVAL AND REPLACEMENT OF ASPHALT SURFACE SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION AND THE DETAIL AS SHOWN IN THESE PLANS.

WATER VALVE RAISING DETAIL-ASPHALT SURFACING

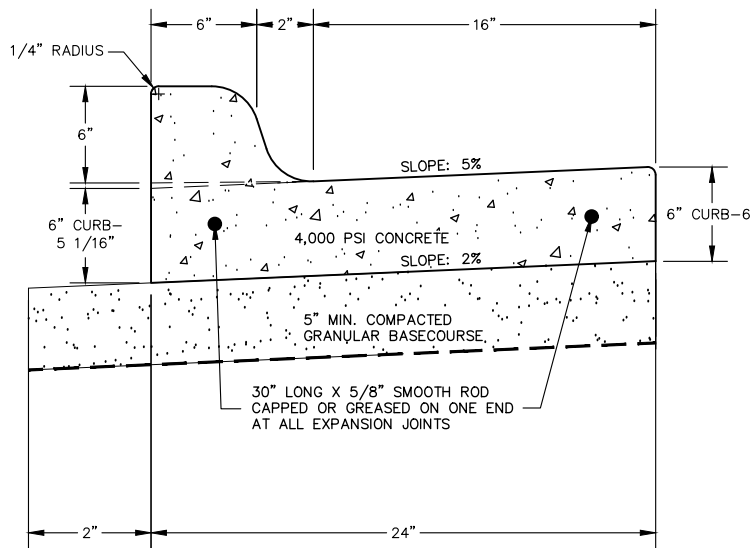
NO SCALE



NOTE: THE SANITARY SEWER AND STORM SEWER MANHOLES SHALL BE CONSTRUCTED SUCH THAT THE TOP OF THE VALVE BOX SHALL BE AT AN ELEVATION EQUAL TO THE STREET GRANULAR BASE COURSE MATERIAL. AFTER THE BASE COURSE MATERIAL AND ASPHALT SURFACING HAS BEEN PLACED THE VALVE BOX SHALL BE EXPOSED AND RAISED TO AN ELEVATION THAT IS NOT LESS THAN 1/4 INCH NOT MORE THAN 1/2 INCH BELOW THE ADJACENT ASPHALT SURFACES. THE REMOVAL AND REPLACEMENT OF ASPHALT SURFACE SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE SPECIFICATION AND THE DETAIL AS SHOWN IN THESE PLANS.

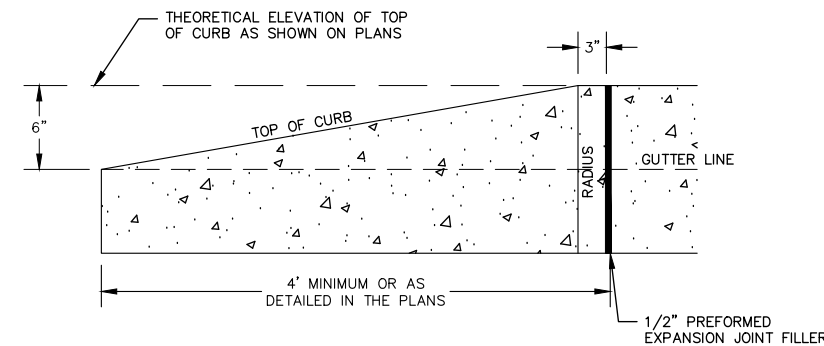
MANHOLE RAISING DETAIL

NO SCALE



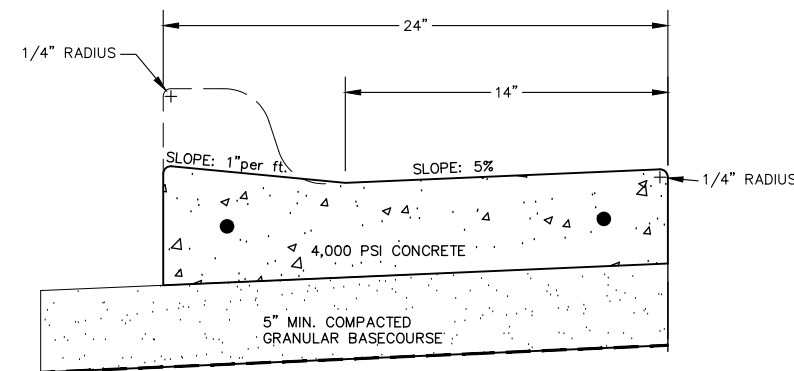
TYPE B CURB AND GUTTER DETAIL

NO SCALE



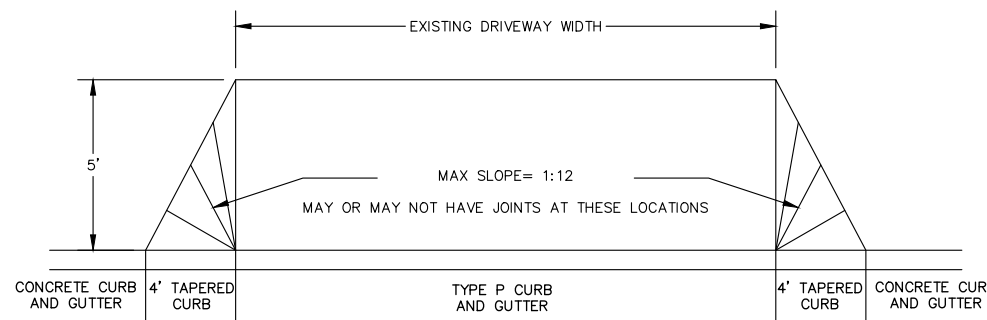
LONGITUDINAL SECTION OF CURB TAPER

NO SCALE

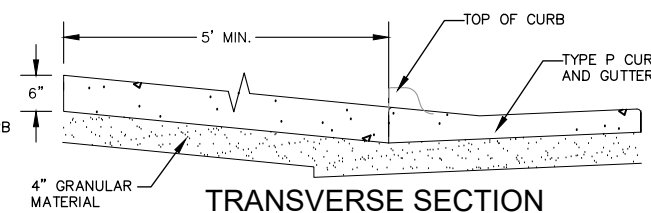


TYPE P CURB AND GUTTER DETAIL

NO SCALE



PLAN VIEW



TRANSVERSE SECTION

THE CONCRETE IN "CONCRETE APPROACH PAVEMENT" SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR CLASS M6 CONCRETE.

CONCRETE FOR DRIVEWAYS ADJACENT TO APPROACH PAVEMENT SHALL BE FIBER-REINFORCED CLASS M6 UNLESS OTHERWISE NOTED IN THE PLANS.

CONTRACTION JOINTS SHALL BE FORMED IN THE APPROACH PAVEMENT BY BEANS OF A SUITABLE GROOVING TOOL. THESE JOINTS SHALL HAVE A DEPTH OF AT LEAST 1-1/2". JOINTS SHALL BE SPACED AS FOLLOWS:

- 16' THRU 24' WIDE DRIVEWAYS: ONE JOINT AT CENTER OF APPROACH.
- 24' THRU 40' WIDE DRIVEWAYS: TWO JOINTS SPACED AT EQUAL INTERVALS.

PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED BETWEEN CONCRETE APPROACH PAVEMENT AND ANY NEW OR EXISTING CONCRETE SIDEWALKS OR CONCRETE DRIVEWAYS.

THE CONCRETE APPROACH PAVEMENT WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. PAYMENT WILL BE FULL COMPENSATION FOR FURNISHING MATERIALS, THE EXPANSION AND CONTRACTION JOINTS, FORMS, BRACING, BACKFILL, LABOR AND INCIDENTALS NECESSARY. EXCAVATION FOR PLACING SAME WILL BE MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION AND THE GRANULAR MATERIAL UNDERLYING THE SAME WILL BE MEASURED AND PAID FOR AT THEIR RESPECTIVE CONTRACT UNIT PRICES.

CONCRETE APPROACH PAVEMENT

NO SCALE

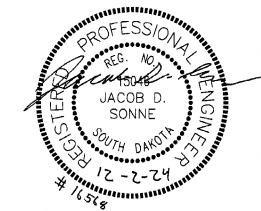
416 Production SIN
P.O. Box 111,
Aberdeen, S.D. 57402
Phone: 605.225.1212,
Fax: 605.225.3189
Email: bob@helmsengineering.com

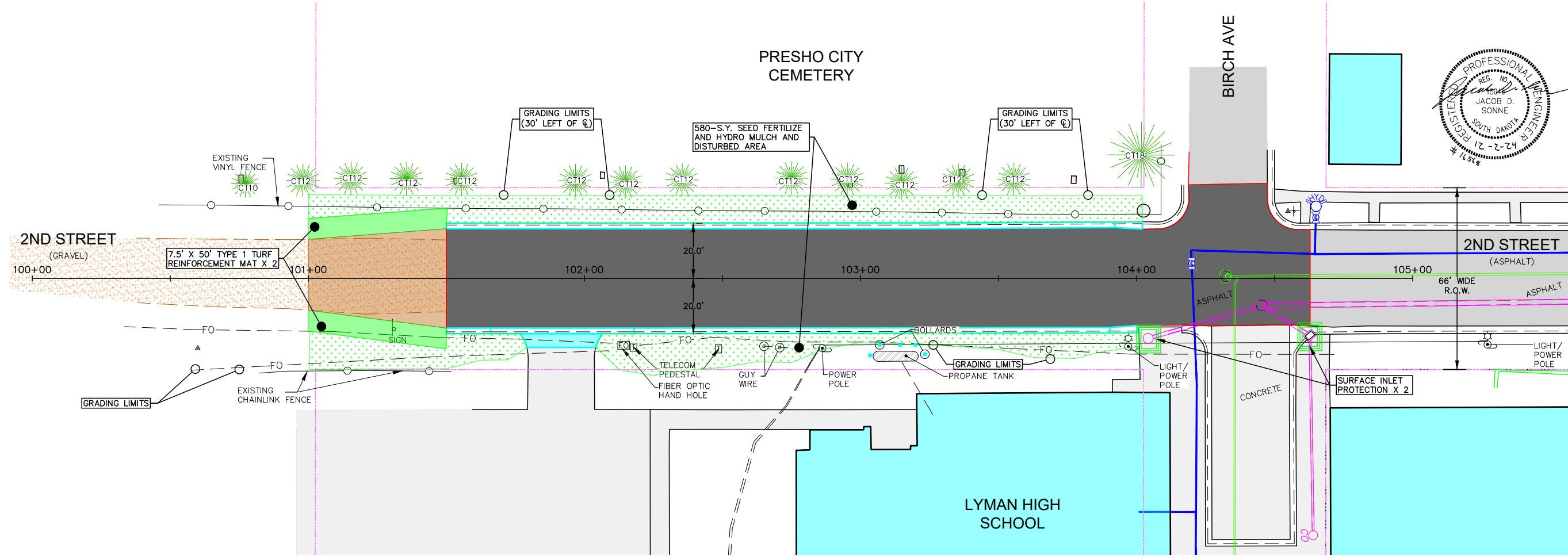


DETAILS

2ND STREET
IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-01
VP. No: DETAILS
Date: 12/2/24





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



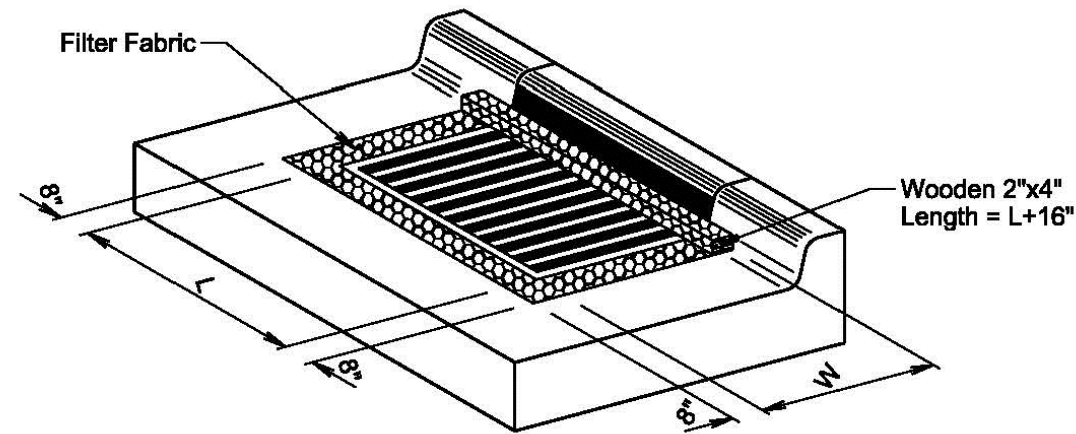
EROSION CONTROL SHEET

2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: SWPPP
 Date: 12/24

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

L = Length of Grate
W = Width of Grate



ISOMETRIC VIEW

GENERAL NOTES:

The grate and curb and gutter shown are for illustrative purposes only.

The sediment control at inlet with frame and grate will be placed at locations stated in the plans or at locations determined by the Engineer.

The filter fabric will be the type specified in the plans.

The filter fabric will be placed in the inlet opening prior to placing the grate. Approximately 18 inches of excess filter fabric will be wrapped around the 2"x4" and stapled securely to the 2"x4" after the grate has been placed.

The Contractor and Engineer will inspect the sediment control device in accordance with the storm water permit. The Contractor will maintain the sediment control device by removing accumulated sediment and replacing torn filter fabric with new filter fabric.

The removed sediment will be placed at a location away from the drop inlet where the sediment will not be washed back into the drop inlet or other storm sewer system.

All costs for furnishing, installing, inspecting, maintaining, removing, and replacing the sediment control device at the inlet including labor, equipment, and materials will be incidental to the contract unit price per each for "Sediment Control at Inlet with Frame and Grate".

February 14, 2020

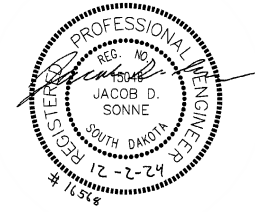
Published Date: 2025

S
D
D
O
T

**SEDIMENT CONTROL AT INLETS
WITH FRAMES AND GRATES**

PLATE NUMBER
734.10

Sheet 1 of 1



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

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



EROSION CONTROL DETAILS

2ND STREET
IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-01
VP. No: SWPPP(D)
Date: 12/2/24

STORMWATER POLLUTION PREVENTION PLAN CHECKLIST

(The numbers left of the title headings are **reference numbers** to the GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES (Stormwater Permit))

5.3 (2): STAFF TRAINING/SWPPP IMPLEMENTATION

To promote stormwater management awareness specific for this project, the Contractor's Erosion Control Supervisor should provide correspondence of how the SWPPP will be implemented. The Contractor's Erosion Control Supervisor is responsible for providing this information at the preconstruction meeting, and subsequently completing an attendance log, which should identify site-specific implementation of the SWPPP and the names of the personnel who attended the preconstruction meeting. Documentation of the preconstruction meeting will be filed with the SWPPP documents.

5.3 (3): DESCRIPTION OF CONSTRUCTION ACTIVITIES

5.3 (3a): Project Limits (See Title Sheet)

5.3 (3a): Project Description (See Title Sheet)

5.3 (4): Site Map(s) (See Title Sheet and Plans)

Major Soil Disturbing Activities (check all that apply)

- Clearing and grubbing
- Excavation/ Borrow
- Filling
- Other (describe): Removal and replacement of existing Sanitary Sewer piping and manholes, and reconstruction of disturbed pavement and misc. items.

5.3 (3b): Total Project Area: ± 2.2 Acres

5.3 (3b): Total Area to be Disturbed: ±0.4 Acres

5.3 (3c): Maximum Area to be Disturbed at One Time: ± 0.4 Acres

5.3 (3d): Existing Vegetative Cover (%): 60%

5.3 (3d): Description of Vegetative Cover: Right of Way Ditch

5.3 (3e): Soil Properties: AASHTO Soil Classification SC and CH

5.3 (3f): Name of Receiving Water Body/Bodies: Vivian Cemetery-Medicine Creek

5.3 (3g): Location of Construction Support Activity Areas: See CSPP Project Layout Sheet

5.3 (4): ORDER OF CONSTRUCTION ACTIVITIES

The Contractor will enter the Estimated Start Date.

- Install perimeter protection where runoff may exit site.
- Install perimeter protection around stockpiles.
- Install inlet and culvert protection.
- Remove existing pavement surfacing and topsoil.
- Install utilities .
- Final paving.
- Final grading and topsoil replacement.
- Removal of protection devices.
- Reseed all areas disturbed by removal activities.

5.3 (5): DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES

All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report. Include the technical reasoning for selecting each control. (check all that apply)

Perimeter Controls (See Detail Plan Sheets)

- Natural Buffers (within 50 ft of Waters of State)
- Silt Fence
- Erosion Control Wattles
- Temporary Berm / Windrow
- Stabilized Construction Entrances
- Entrance/Exit Equipment Tire Wash
- Other:

Structural Erosion and Sediment Controls

- Silt Fence
- Temporary Berm / Windrow
- Erosion Control Wattles
- Temporary Sediment Barriers
- Erosion Bales
- Temporary Slope Drain
- Turf Reinforcement Mat
- Riprap
- Gabions
- Rock Check Dams
- Sediment Traps/Basins
- Culvert Inlet Protection
- Transition Mats
- Median/ Area Drain Inlet Protection
- Curb Inlet Protection
- Interceptor Ditch
- Concrete Washout Facility
- Work Platform
- Temporary Water Barrier
- Temporary Water Crossing
- Permanent Stormwater Ponds
- Permanent Open Vegetated Swales
- Natural Depressions to allow for Infiltration
- Sequential Systems that combine several practices
- Other:

Dust Controls

- Tarps & Wind Impervious Fabrics
- Watering
- Stockpile location/ orientation
- Dust Control Chlorides
- Other:

Dewatering BMPs

- Sediment Basins
- Dewatering bags
- Weir Tanks
- Temporary Diversion Channel
- Other:

Stabilization Practices (See Detail Plan Sheets)

(Stabilization measures shall begin the following work day whenever earth disturbing activity on any portion of the site has temporarily or permanently ceased. Temporary stabilization shall be completed as soon as practicable but no later than 14 days after initiating soil stabilization activities (3.18))

- Vegetation Buffer Strips
- Temporary Seeding (Cover Crop Seeding)
- Permanent Seeding
- Sodding
- Planting (Woody Vegetation for Soil Stabilization)
- Mulching (Grass Hay or Straw)
- Fiber Mulching (Wood Fiber Mulch)

- Soil Stabilizer
- Bonded Fiber Matrix
- Fiber Reinforced Matrix
- Erosion Control Blankets
- Surface Roughening (e.g. tracking)
- Other:

Wetland Avoidance

Will construction and/or erosion and sediment controls impinge on regulated wetland? Yes No If yes, the structural and erosion and sediment controls have been included in the total project wetland impacts and have been included in the 404 permit process with the USACE.

5.3 (6): PROCEDURES FOR INSPECTIONS

- Inspections will be conducted at least once every 7 days.
- All controls will be maintained in good working order. Necessary repairs will be initiated within 24 hours of the site inspection report.
- Silt fence will be inspected for depth of sediment and for tears to ensure the fabric is securely attached to the posts and that the posts are well anchored. Sediment buildup will be removed from the silt fence when it reaches 1/3 of the height of the silt fence.
- Sediment basins and traps will be checked. Sediment will be removed when depth reaches approximately 50 percent of the structure's capacity, at the conclusion of the construction.
- Check dams will be inspected for stability. Sediment will be removed when depth reaches ½ the height of the dam.
- All seeded areas will be checked for bare spots, washouts, and vigorous growth free of significant weed infestations.
- Inspection and maintenance reports will be included on the weekly progress report for each site inspection, this report will also be used to document changes to SWPPP. A copy of the completed inspection form will be filed with the SWPPP documents.
- The Resident Project Engineer and the Contractor's Erosion Control Supervisor are responsible for ensuring the weekly inspections are completed. The Resident Project Representative (RPR) shall complete the weekly inspection and maintenance reports and provide a copy to the Project Engineer. All maintenance and repair activities are the responsibility of the Contractor.

5.3 (7): POST CONSTRUCTION STORMWATER MANAGEMENT

Stormwater management will be handled by temporary controls outlined in "DESCRIPTION AND MAINTENANCE OF CONTROL MEASURES" above, and any permanent controls needed to meet permanent stormwater management needs in the post construction period will be shown in the plans and noted as permanent.

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



SWPPP NOTES
2ND STREET
IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By: TMO
Chk By: JS
Proj. No: M-16586
Dwg. No: 16586-01
VP. No: SWPPPN(1)
Date: 12/2/24



No.	Revisions	Date

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

5.3 (8): POLLUTION PREVENTION PROCEDURES

5.3 (8A): Spill Prevention and Response Procedures
Material Management

House Keeping

- Only needed products will be stored on-site by the Contractor.
- Except for bulk materials the contractor will store all materials under cover and/or in appropriate containers.
- Products must be stored in original containers and labeled.
- Material mixing will be conducted in accordance with the manufacturer's recommendations.
- When possible, all products will be completely used before properly disposing of the container off-site.
- The manufacturer's directions for disposal of materials and containers will be followed.
- The Contractor's site superintendent will inspect materials storage areas regularly to ensure proper use and disposal.
- Dust generated will be controlled in an environmentally safe manner.

Hazardous Materials

- Products will be kept in original containers unless the container is not resealable and provide secondary containment as applicable.
- Original labels and material safety data sheets will be retained in a safe place to relay important product information.
- In surplus product must be disposed of, manufacturer's label directions for disposal will be followed.
- Maintenance and repair of all equipment and vehicles involving oil changes, hydraulic system drain down, de-greasing operations, fuel tank drain down and removal, and other activities which may result in the accidental release of contaminants will be conducted on an impervious surface and under cover during wet weather to prevent the release of contaminants onto the ground.
- Wheel wash water will be collected and allowed to settle out suspended solids prior to discharge. Wheel wash water will not be discharged directly into any stormwater system or stormwater treatment system.
- Potential pH-modifying materials such as: bulk cement, cement kiln dust, fly ash, new concrete washings, concrete pumping, residuals from concrete saw cutting (either wet or dry), and mixer washout waters will be collected on site and managed to prevent contamination of stormwater runoff.

Spill Control Practices

In addition to the previous housekeeping and management practices, the following practices will be followed for spill prevention and cleanup if needed.

- For all hazardous materials stored on site, the manufacturer's recommended methods for spill cleanup will be clearly posted. Site personnel will be made aware of the procedures and the locations of the information and cleanup supplies.
- Appropriate cleanup materials and equipment will be maintained by the Contractor in the materials storage area on-site. As appropriate, equipment and materials may include items such as brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for cleanup purposes.
- All spills will be cleaned immediately after discovery and the materials disposed of properly.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- After a spill a report will be prepared describing the spill, what caused it, and the cleanup measured taken. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurrences.
- The Contractor's site superintendent, responsible for day-to-day operations, will be the spill prevention and cleanup coordinator.

Spill Response

The primary objective in responding to a spill is to quickly contain the material(s) and prevent or minimize migration into stormwater runoff and conveyance systems. If the release has impacted on-site stormwater, it is critical to contain the released materials on-site and prevent their release into receiving waters. If a spill of pollutants threatens stormwater or surface water at the site, the spill response procedures outlined below must be implemented in a timely manner to prevent the release of pollutants.

- The Contractor's site superintendent will be notified immediately when a spill or threat of a spill is observed. The superintendent will assess the situation and determine the appropriate response.
- If spills represent an imminent threat of escaping erosion and sediment controls and entering receiving waters, personnel will be directed to respond immediately to contain the release and notify the superintendent after the situation has been stabilized.
- Spill kits containing appropriate materials and equipment for spill response and cleanup will be maintained by the Contractor at the site.
- If oil sheen is observed on surface water (e.g. settling ponds, detention ponds, swales), action will be taken immediately to remove the material causing the sheen. The Contractor will use appropriate materials to contain and absorb the spill. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.
- If a spill occurs the superintendent or the superintendent's designee will be responsible for completing the spill reporting form and for reporting the spill to SD DANR
- Personnel with primary responsibility for spill response and cleanup will receive training by the Contractor's site superintendent or designee. The training must include identifying the location of the spill kits and other spill response equipment and the use of spill response materials.
- Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities

5.3 (8b): WASTE MANAGEMENT PROCEDURES

Waste Disposal

- All liquid waste materials will be collected and stored in approved sealed containers. All trash and construction debris from the site will be deposited in the approved containers. Containers will be serviced as necessary, and the trash will be hauled to an approved disposal site or licensed landfill. All onsite personnel will be instructed in the proper procedures for waste disposal and notices stating proper practices will be posted. The Contractor is responsible for ensuring waste disposal procedures are followed.

Hazardous Waste

- All hazardous waste materials will be disposed of in a manner specified by local or state regulations or by the manufacturer. Site personnel will be instructed in these practices, and the Contractor will be responsible for seeing that these practices are followed.

Sanitary Waste

- Portable sanitary facilities will be provided on all construction sites. Sanitary waste will be collected from the portable units which must be secured to prevent tipping and serviced in a timely manner by a licensed waste management Contractor or as required by any local regulations.

5.3 (9): CONSTRUCTION SITE POLLUTANTS

The following materials or substances are expected to present on the site during the construction period. These materials will be handled as noted under the heading "POLLUTION PREVENTION PROCEDURES" (check all that apply)

- Concrete and Portland Cement
- Detergents
- Paints
- Metals
- Bituminous Materials
- Petroleum Based Products
- Diesel Exhaust Fluid
- Cleaning Solvents
- Wood
- Cure
- Texture
- Chemical Fertilizers
- Other:

Product Specific Practices

Petroleum Products

All on-site vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled.

Fertilizers

Fertilizers will be applied only in the amounts specified by the Engineer. Once applied, fertilizers will be worked into the soil to limit the exposure to stormwater. Fertilizers will be stored in an enclosed area. The contents of partially used fertilizer bags will be transferred to sealable containers to avoid spills.

Paints

All containers will be tightly sealed and stored when not required for use. The excess will be disposed of according to the manufacturer's instructions and any applicable state and local regulations.

Concrete Trucks

Contractors will provide designated truck washout facilities on the site. These areas must be self contained and not connected to any stormwater outlet of the site. Upon completion of construction, the area at the washout facility will be properly stabilized.

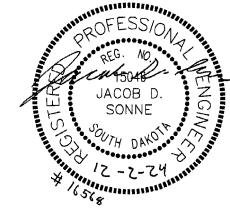
5.3 (10): NON-STORMWATER DISCHARGES

The following non-stormwater discharges are anticipated during the course of this project (check all that apply).

- Discharge from water line flushing
- Pavement wash-water, where no spills or leaks of toxic or hazardous materials have occurred.
- Uncontaminated ground water associated with dewatering activities.

5.3 (11): INFEASIBILITY DOCUMENTATION

If it is determined to be infeasible to comply with any of the requirements of the Stormwater Permit, the infeasibility determination must be thoroughly documented in the SWPPP.



Date	
No. Revisions	

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

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



SWPPP NOTES
 2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By:	TMO
Chk' By:	JS
Proj. No:	M-16586
Dwg. No:	16586-01
VP. No:	SWPPP(2)
Date:	12/2/24

5.3 (12): SPILL NOTIFICATION

In the event of a spill, the Contractor's site superintendent will make the appropriate notification(s), consistent with the following procedures:

A release or spill of regulated substance (includes petroleum and petroleum products) must be reported to SD DANR immediately **if any one of the following** conditions exists:

- The release or spill threatens or is able to threaten waters of the state (surface water or ground water)
- The release or spill causes an immediate danger to human health or safety
- The release or spill exceeds 25 gallons
- The release or spill causes a sheen on surface water
- The release or spill of any substance that exceeds the ground water quality standards of ARSD Chapter 74:54:01
- The release or spill of any substance that exceeds the surface water quality standards of ARSD Chapter 74:54:01
- The release or spill of any substance that harms or threatens to harm wildlife or aquatic life.
- The release or spill is required to be reported according to Superfund Amendments and Reauthorization Act (SARA) Title III List of Lists, Consolidated List of Chemicals Subject to Reporting under the Emergency Planning and Community Right to Know Act, US Environmental Protection Agency.

To report a release or spill, call SD DANR at 605-773-3296 during regular office hours (8 a.m. to 5 p.m. Central Standard Time). To report the release after hours, on weekends or holidays, call South Dakota Emergency Management at 605-773-3231. Reporting the release to SD DANR does not meet any obligation for reporting to other state, local, or federal agencies. Therefore, you must also contact local authorities to determine the local reporting requirements for release. A written report of the unauthorized release of any regulated substance, including quantity discharged, and the location of the discharge shall be sent to the SD DANR within 14 days of the discharge.

5.4: SWPPP CERTIFICATIONS

Certification of Compliance with Federal, State, and Local Regulations

The Storm Water Pollution Prevention Plan (SWPPP) for this project reflects the requirements of all local municipal jurisdictions for storm water management and sediment and erosion control as established by ordinance, as well as other state and federal requirements for the sediment and erosion control plans, permits, notices or documentation as appropriate.

City of Presho

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assume that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment knowing violations.

Authorized Signature (See the General Permit, Section 7.4 (1))

Prime Contractor

This section is to be executed by the General Contractor after the award of the contract. This section may be executed any time there is a change in the Prime Contractor of the project.

I certify under penalty of law that this document and all attachments will be revised or maintained under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Signature

CONTACT INFORMATION

The following personnel are duly authorized representatives and have signatory authority for modifications made to the SWPPP:

Contractor Information:

Prime Contractor Name: _____

Contractor Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Office Phone: _____ Field: _____

Cell Phone: _____ Fax: _____

Erosion Control Supervisor

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Office Phone: _____ Field: _____

Cell Phone: _____ Fax: _____

Project Engineer

Name: _____ Jacob Sonne

Business Address: _____ 2100 N. Sanborn Blvd.

Job Office Location: _____ Mitchell, SD

City: Mitchell State: SD Zip: 57301

Office Phone: (605) 996-7761 Field: _____

Cell Phone: (605) 630-4937 Fax: _____

SD DANR Contact Spill Report

- Business Hours Monday-Friday (605) 773-3296
- Nights and Weekends (605) 773-3231

SD DANR Contact for Hazardous Materials

- (605) 773-3153

National Response Center Hotline

- (800) 424-8802

SD DANR Stormwater Contact Information

- SD DANR Stormwater (800) 737-8676
- Surface Water Quality Program (605) 773-3351

5.1: REQUIRED SWPPP MODIFICATIONS

5.5 (1): Conditions Requiring SWPPP Modification

The SWPPP must be modified, including the site map(s), in response to any of the following conditions:

- When a new operator responsible for implementation of any part of the SWPPP begins to work on the site.
- When Changes to construction plans, sediment and erosion control measures, or any best management practices on site that are no longer accurately reflected in the SWPPP. This included changes made in response to corrective actions triggered by inspections.
- To reflect areas on the site map where operations control has been transferred (including the date of the transfer) or has been covered under a new permit since initiating coverage under this general permit.
- If inspections by site staff, local officials, SD DANR, or U.S. EPA determine that SWPPP modifications are necessary for compliance with Stormwater Permit.
- To reflect any revisions to applicable federal, state, or local requirements that affect the control measures implemented at the site.
- If approved by the Secretary, to reflect any changes in chemical water treatment systems or controls, including the use of a different water treatment chemical, age rates, different areas, or methods of applications.

5.5 (2): Deadlines for SWPPP Modification

Any required revisions to the SWPPP must be completed within 7 calendar days following any of the items listed above.

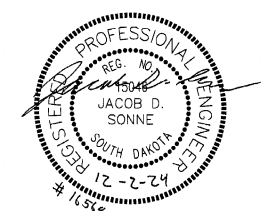
5.5 (3): Documentation of Modifications to the Plan

All SWPPP modification records are required to be maintained showing the dates of when the modification occurred. The records must include the name of the person authorizing each change and a brief summary of all changes.

5.5 (5): Required Notice to Other Operators

If there are multiple operators at the site, the Contractor's Erosion Control Supervisor must notify each operator that may be impacted by the change to the SWPPP within 24 hours.

When modifications as described above occur, the SWPPP will be modified to provide appropriate protection to disturbed areas, all storm water structures, and adjacent waters. The Project Engineer will modify the SWPPP and drawings on the plans will be modified to reflect the needed changes. Copies of the SWPPP modifications will be given to the Contractor Erosion Control Supervisor and a copy will be emailed Owner.



Date	Revisions

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

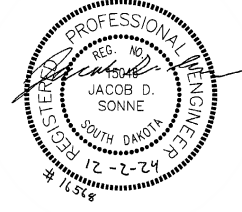
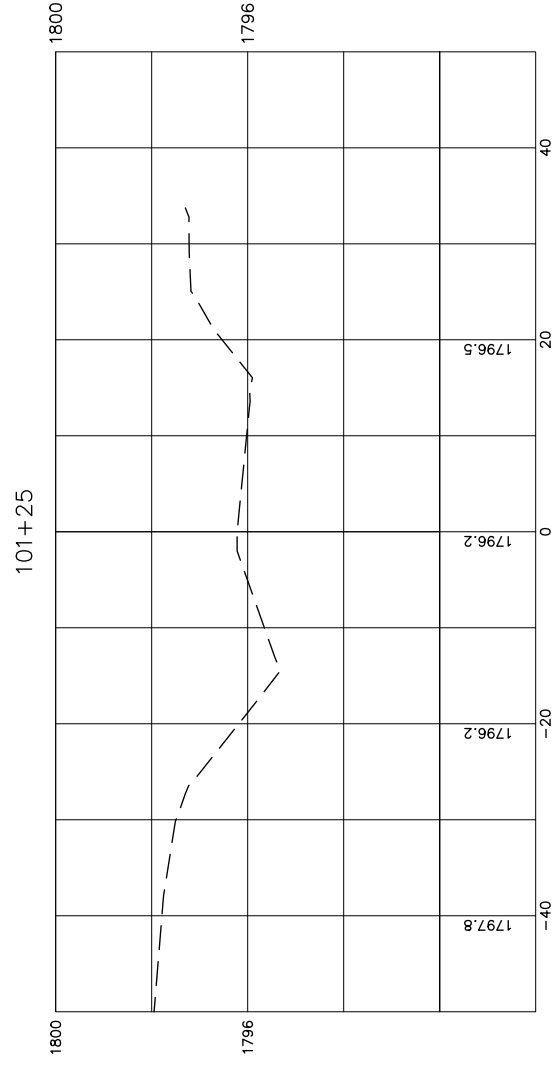
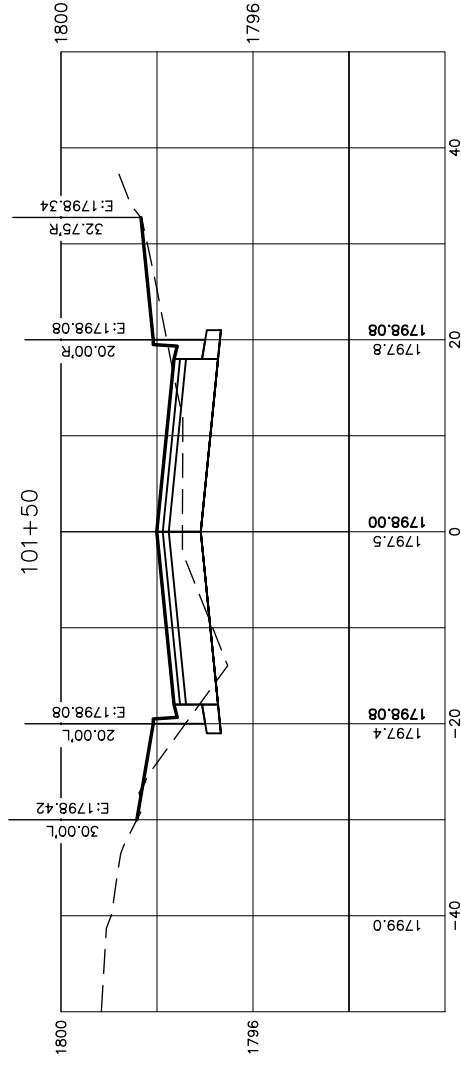
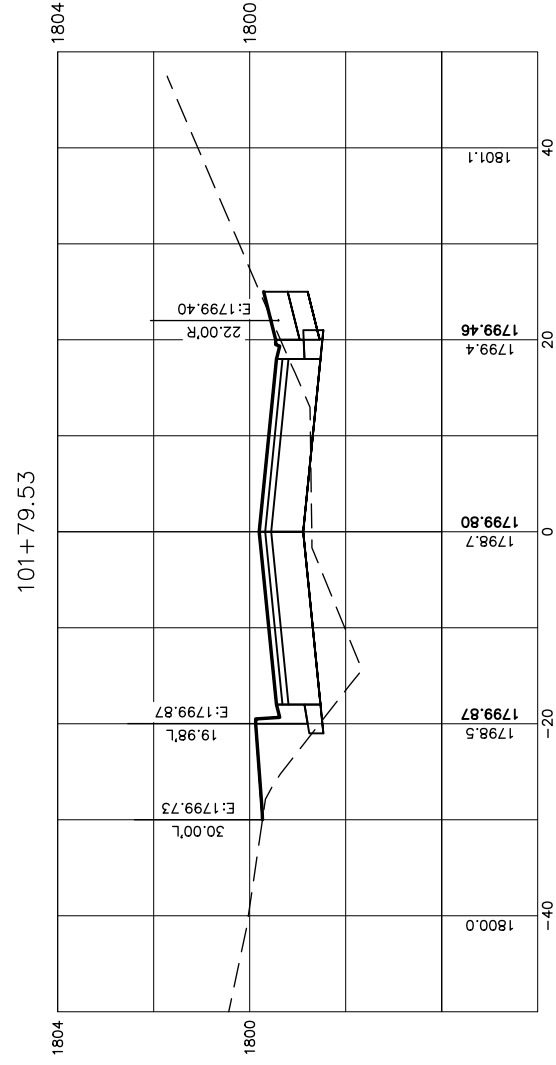
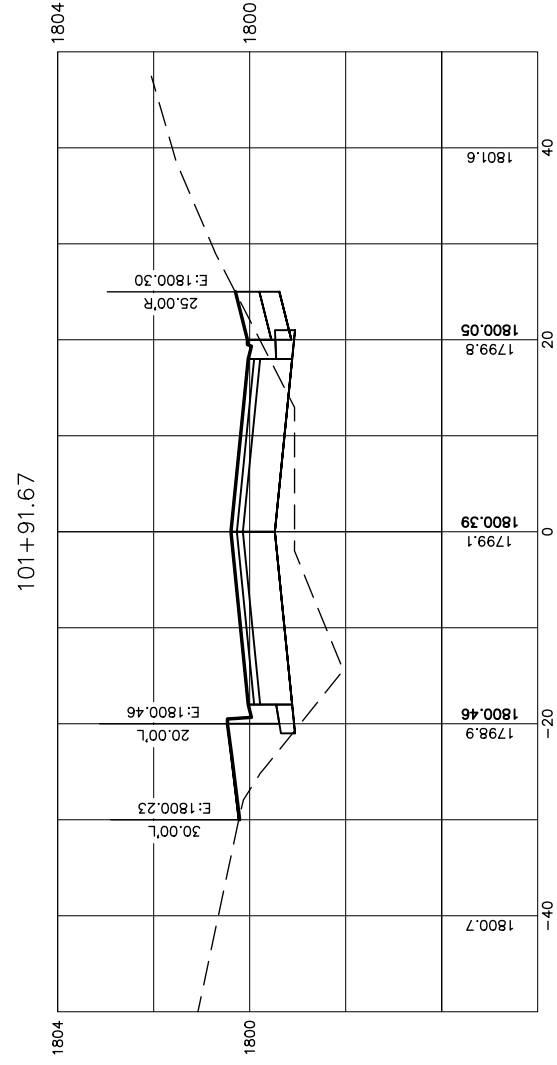
416 Production St N
P.O. Box 111,
Aberdeen, S.D. 57402
Phone: 605.225.1212
Fax: 605.225.3189
Email: bob@helmsengineering.com



SWPPP NOTES
2ND STREET IMPROVEMENTS
PRESHO, SOUTH DAKOTA

Drawn By:	TMO
Chk' By:	JS
Proj. No:	M-16586
Dwg. No:	16586-01
VP. No:	SWPPP(3)
Date:	12/2/24

SCALE 11X17
 1"=20' HORIZ.
 1"=4' VERT.



No.	Revisions	Date

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

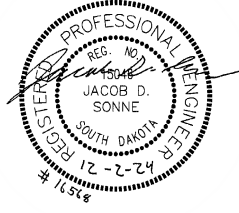
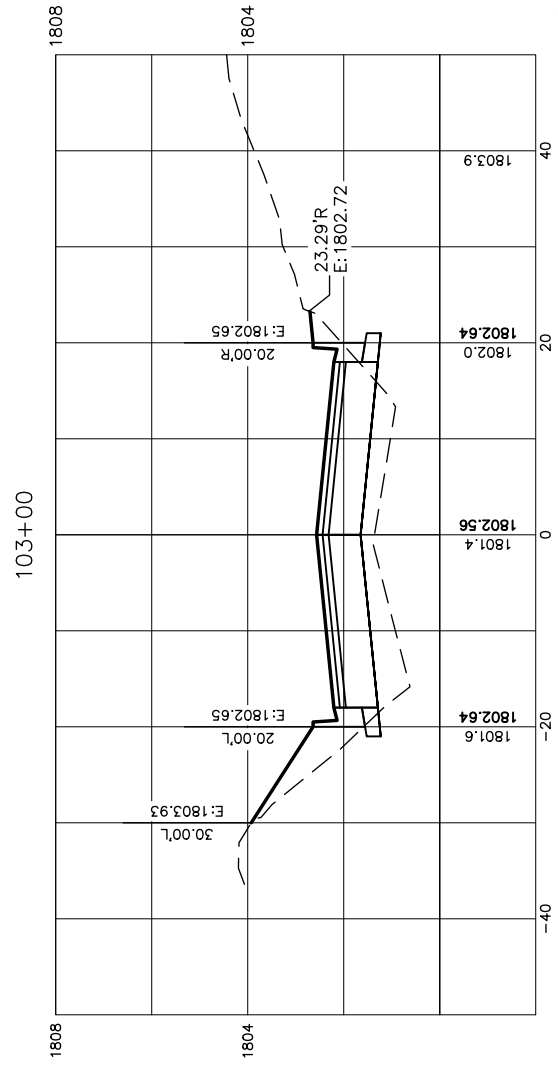
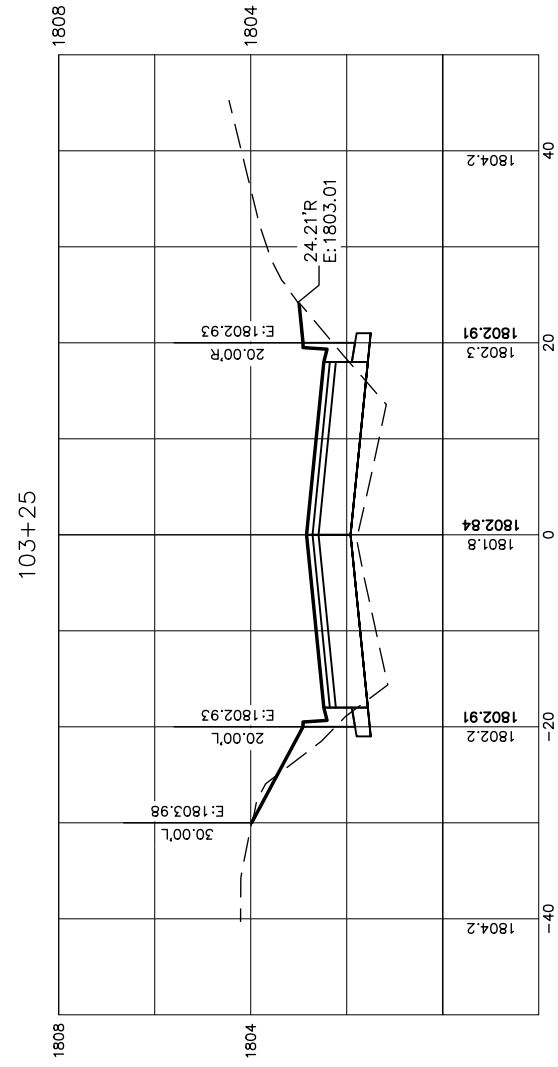
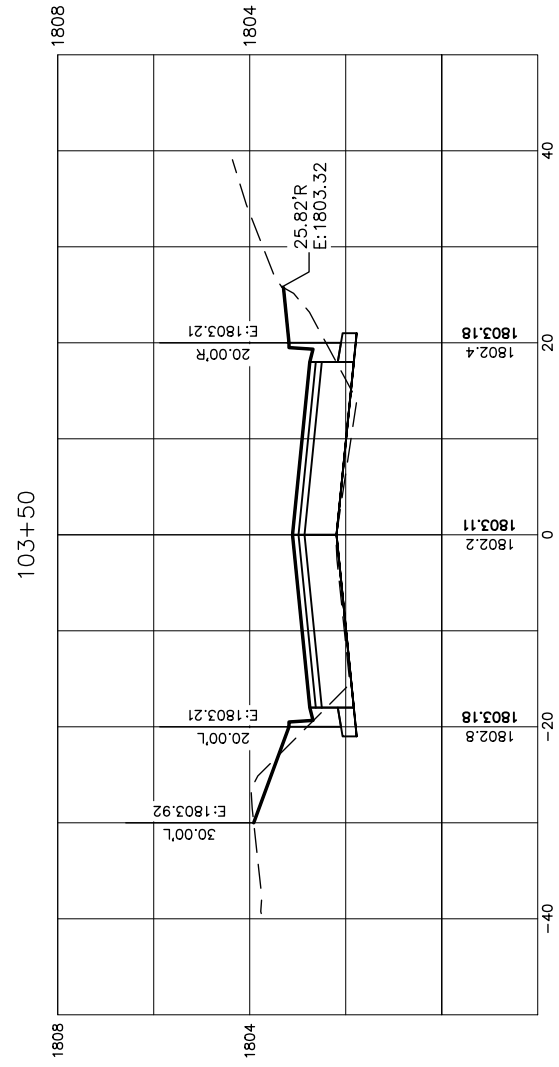
416 Production SIN
 P.O. Box 111,
 Aberdeen, S.D. 57402
 Phone: 605.225.1212.
 Fax: 605.225.3189
 Email: bob@helmsengineering.com

SPN Helms
 CIVIL ENGINEERS & LAND SURVEYORS

SHEET TITLE
 2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: X-SECT(2)
 Date: 12/2/24

SCALE 11X17
 1"=20' HORIZ.
 1"=4' VERT.



SHEET TITLE

2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: X-SECT(4)
 Date: 12/24

15
 OF
 17

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

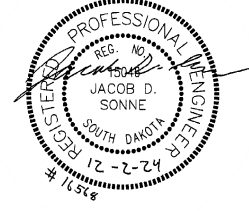
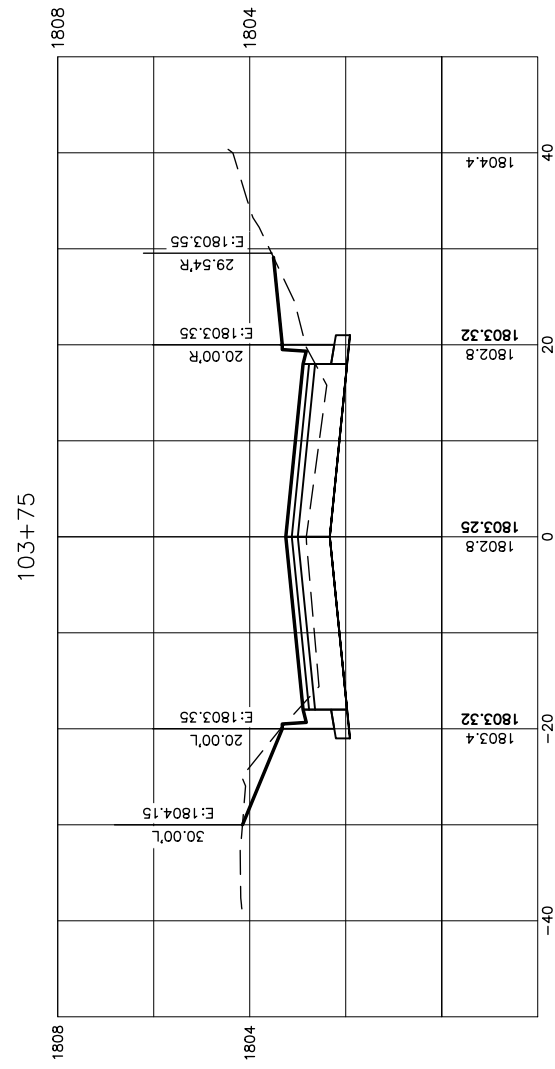
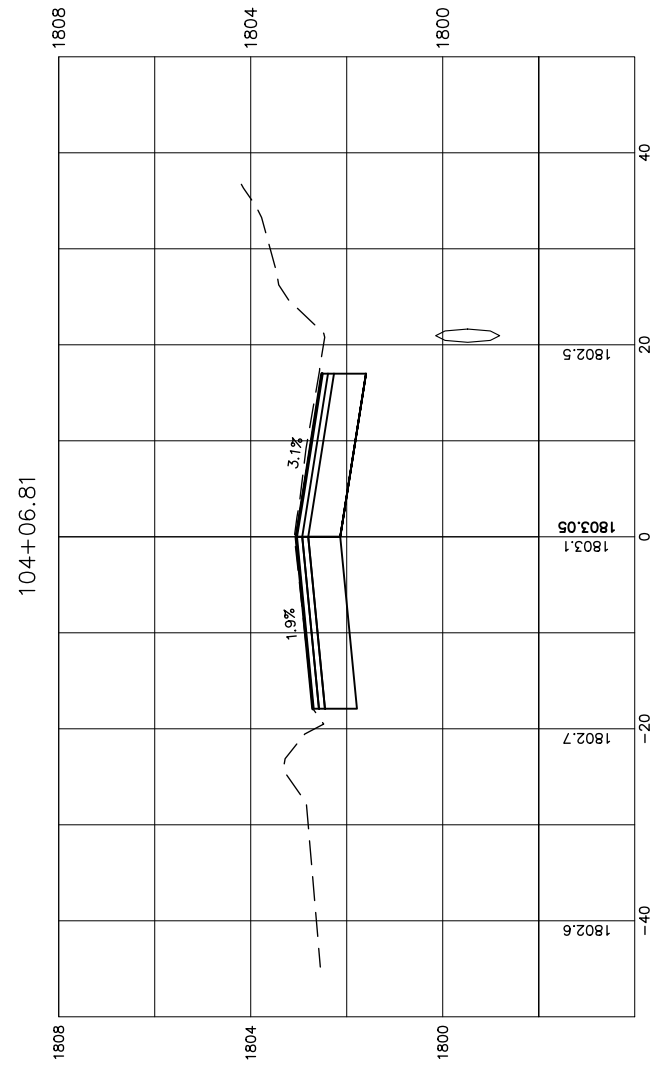
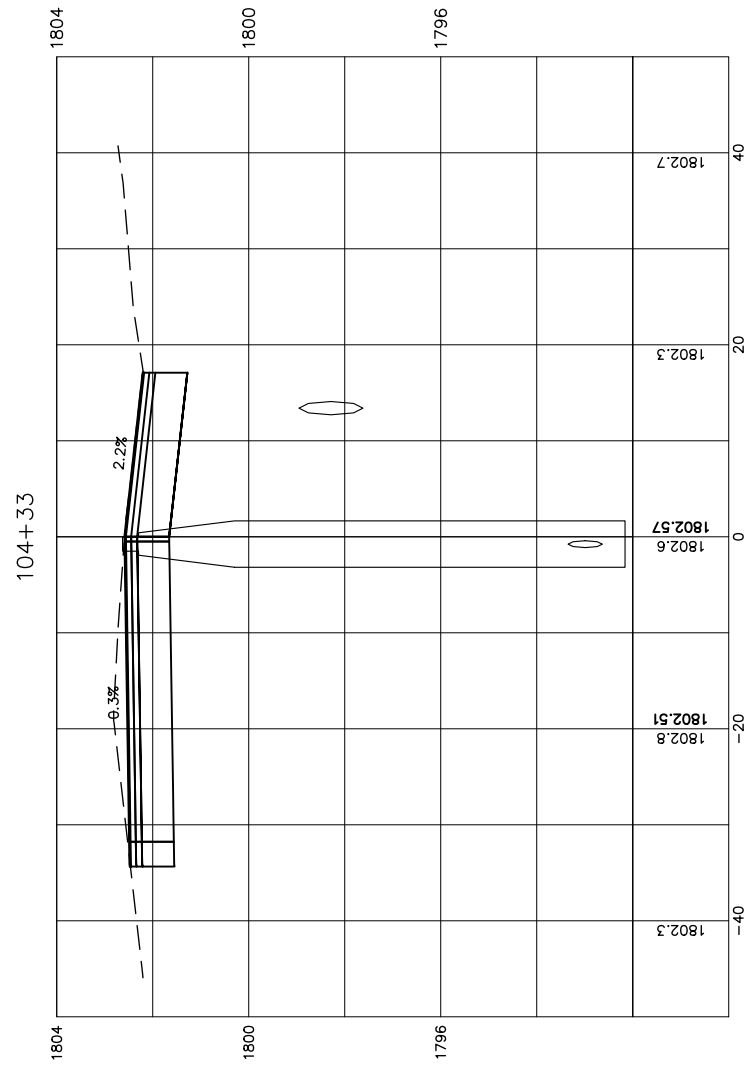


I Herby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the law of the State of South Dakota. Registration No.

No. Revisions

Date

SCALE 11X17
 1"=20' HORIZ.
 1"=4' VERT.



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

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



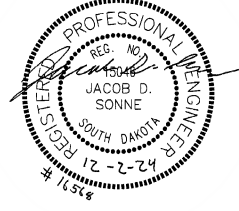
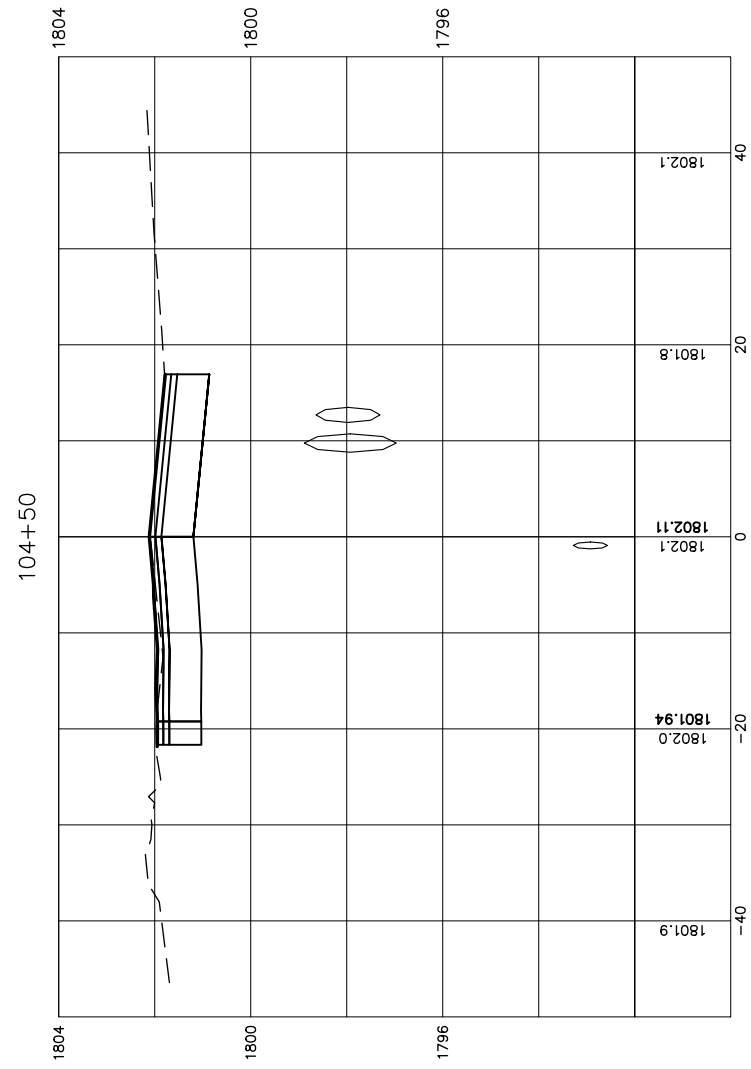
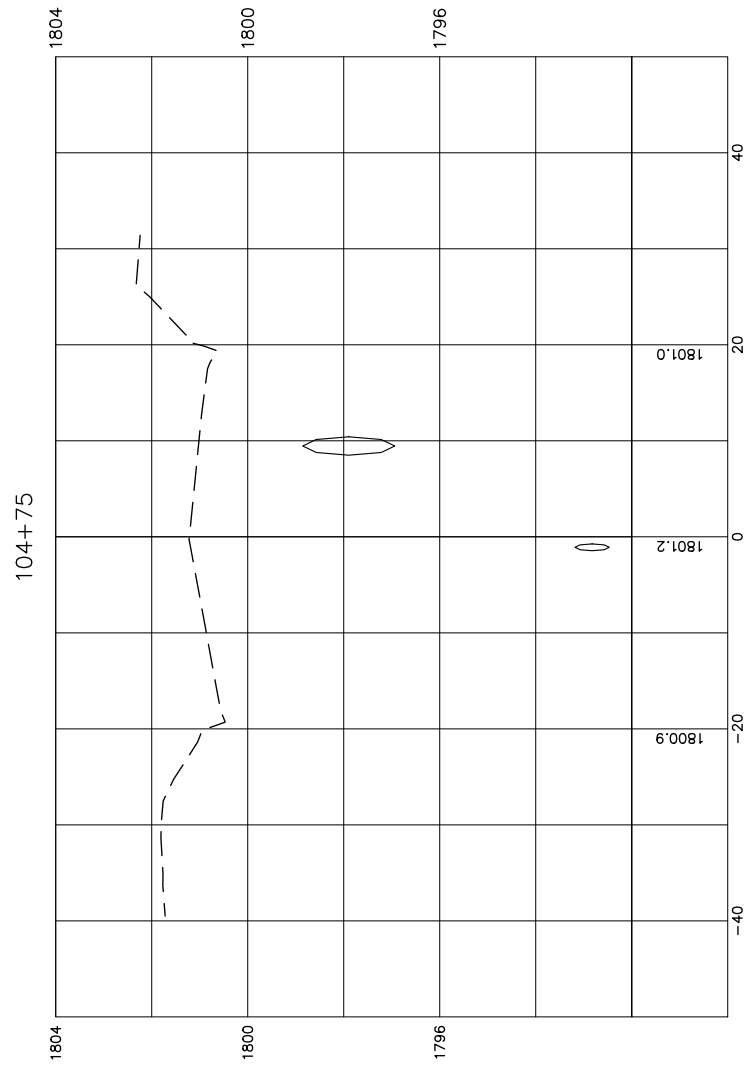
SHEET TITLE

2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: X-SECT(5)
 Date: 12/2/24

No.	Revisions	Date

SCALE 11X17
 1"=20' HORIZ.
 1"=4' VERT.



SHEET TITLE

2ND STREET
 IMPROVEMENTS
 PRESHO, SOUTH DAKOTA

Drawn By: TMO
 Chk By: JS
 Proj. No: M-16586
 Dwg. No: 16586-PNT
 VP. No: X-SECT(6)
 Date: 12/24

17
 OF
 17



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

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

No.	Revisions	Date