

STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
VETERANS PARKWAY
SYCAMORE AVENUE TO HIGHWAY 11
LINCOLN CO. / MINNEHAHA CO.

WATER MAIN AND SANITARY SEWER

PCN X06Y
WATER MAIN AND SANITARY SEWER CIP 11120

FOR BIDDING PURPOSES ONLY

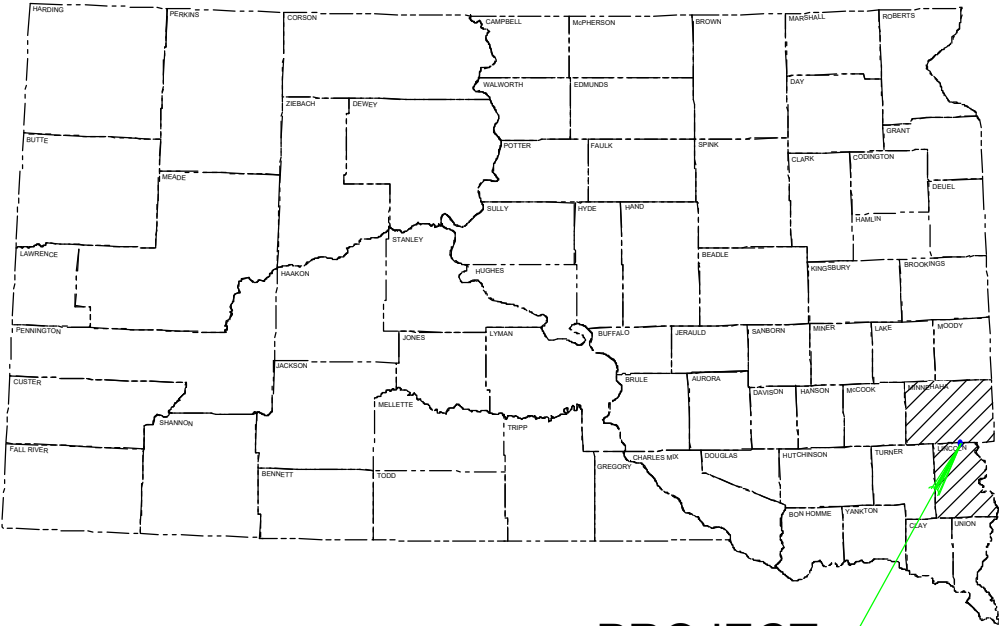
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X06Y; CIP #11120	1	38

FILE: WATER_SANITARY_TITLE SHEET
PLOT DATE: 8/25/2025

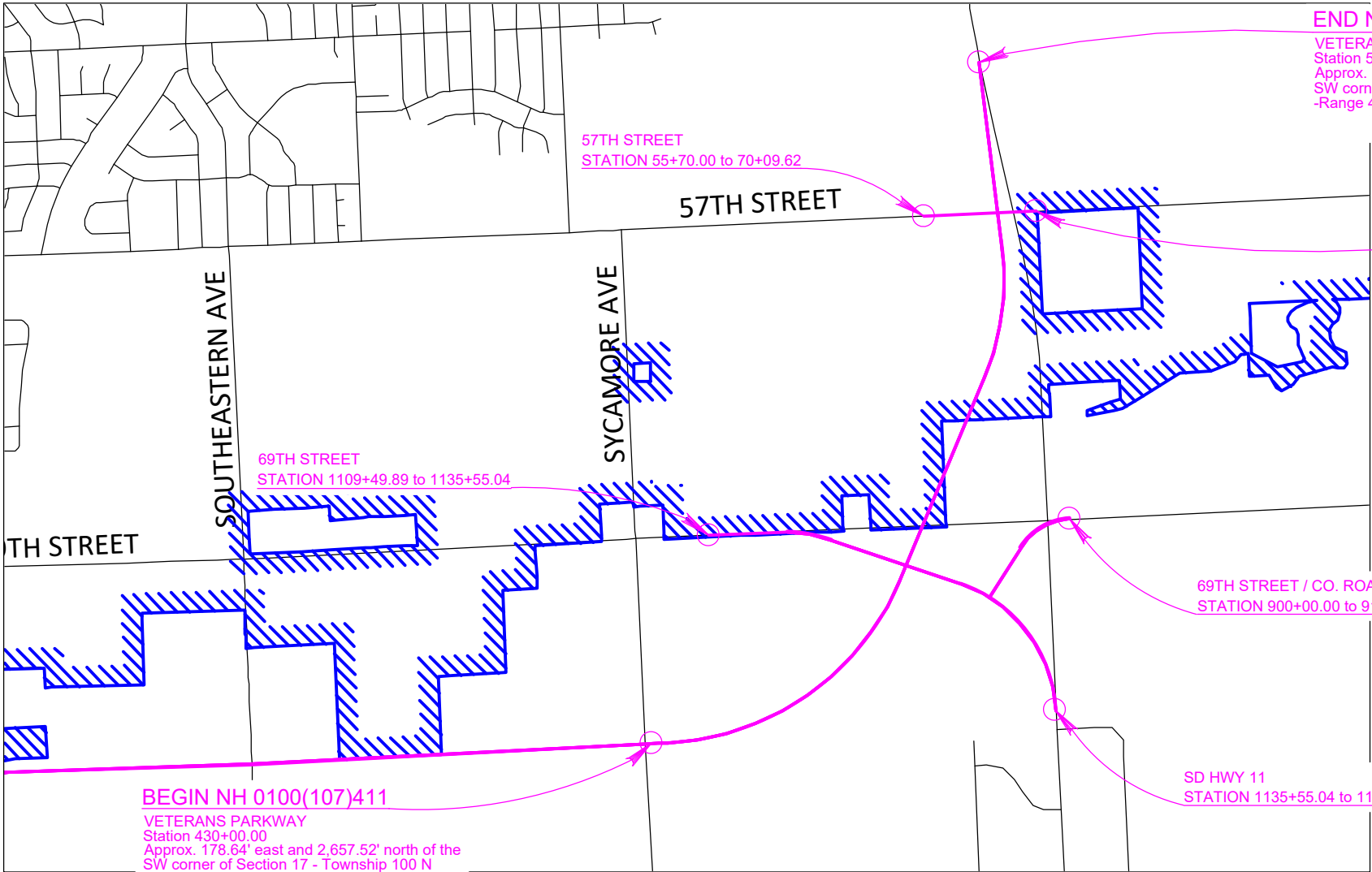
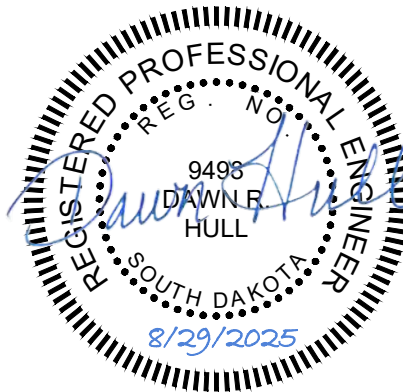
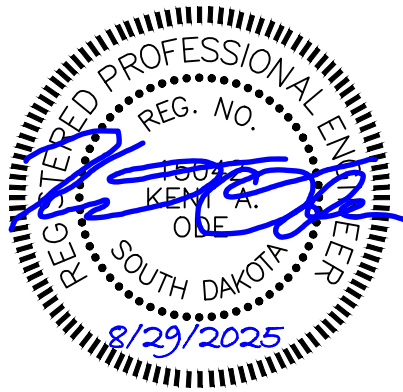
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INDEX OF SECTIONS

Sheet 1:	General Layout with Index
Sheets 2-8:	Estimate of Quantities / General Notes
Sheet 9:	Water Main Orientation Sheet
Sheets 10-25:	Water Main Layout Sheets
Sheets 26-27:	Sanitary Sewer Layout Sheets
Sheet 28:	Reconstruct Manhole Sheet
Sheets 29-35:	Details Water Main
Sheets 36-38:	Details Sanitary Sewer



PROJECT



END NH 0100(107)411
VETERANS PARKWAY
Station 538+72.91
Approx. 17.64' east and 1,927.86' north of the
SW corner of Section 31 - Township 101 N
-Range 48 W of the 5th P.M.

57TH STREET
STATION 55+70.00 to 70+09.62

57TH STREET

57TH STREET
STATION 55+70.00 to 70+09.62

69TH STREET
STATION 1109+49.89 to 1135+55.04

TH STREET

SOUTHEASTERN AVE

SYCAMORE AVE

69TH STREET / CO. ROAD 102
STATION 900+00.00 to 916+22.57

SD HWY 11
STATION 1135+55.04 to 1169+47.00

BEGIN NH 0100(107)411
VETERANS PARKWAY
Station 430+00.00
Approx. 178.64' east and 2,657.52' north of the
SW corner of Section 17 - Township 100 N
-Range 49 W of the 5th P.M.

Veterans Parkway Gross Length	10,872.91 Feet	2.059 Miles
69th Street (West of Veterans)	2,605.15 Feet	0.493 Miles
SD Hwy 11 Gross Length	2,887.96 Feet	0.547 Miles
69th Street/Co. Road 102 Gross Length	1,622.57 Feet	0.307 Miles
Total Net Length	17,983.59 Feet	3.405 Miles

City of Sioux Falls

PUBLIC WORKS - DIVISION OF ENGINEERING
231 N. DAKOTA AVENUE
SIOUX FALLS, SD 57117 (605) 367-8601

Approved

City Engineer

Date

2

October 21, 2026



ESTIMATE OF QUANTITIES

WATER MAIN PCN 06XY; CIP 11120

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
110E1970	Remove Water Main	76	Ft
451E0124	24" Steel Encasement Pipe	76	Ft
451E0136	36" Steel Encasement Pipe	40	Ft
451E0606	6" PVC Water Main	105	Ft
451E0608	8" PVC Water Main	311	Ft
451E0612	12" PVC Water Main	1,986	Ft
451E0616	16" PVC Water Main	4,301	Ft
451E0666	16" PVC Restrained Joint Water Main	76	Ft
451E0774	24" Ductile Iron Restrained Joint Water Main	84	Ft
451E2231	12"x6" Pipe Tee	4	Each
451E2232	12"x8" Pipe Tee	1	Each
451E2251	16"x6" Pipe Tee	1	Each
451E2252	16"x8" Pipe Tee	9	Each
451E2256	16"x16" Pipe Tee	1	Each
451E2334	12"x12" Pipe Cross	1	Each
451E2413	8"x6" Pipe Reducer	11	Each
451E2432	12"x8" Pipe Reducer	2	Each
451E2454	16"x12" Pipe Reducer	1	Each
451E3008	8" Pipe Bend	1	Each
451E3012	12" Pipe Bend	2	Each
451E3016	16" Pipe Bend	2	Each
451E3024	24" Pipe Bend	4	Each
451E3112	12" Pipe Cap	3	Each
451E3116	16" Pipe Cap	1	Each
451E3506	6" Retainer Gland	48	Each
451E3508	8" Retainer Gland	49	Each
451E3512	12" Retainer Gland	34	Each
451E3516	16" Retainer Gland	39	Each
451E3524	24" Retainer Gland	12	Each
451E3606	6" Pipe Sleeve	2	Each
451E3608	8" Pipe Sleeve	1	Each
451E3616	16" Pipe Sleeve	1	Each
451E3624	24" Pipe Sleeve	2	Each
451E4206	6" Gate Valve with Box	5	Each
451E4208	8" Gate Valve with Box	11	Each
451E4212	12" Gate Valve with Box	5	Each
451E4216	16" Gate Valve with Box	4	Each
451E4506	6" Fire Hydrant Extension	6	Each
451E4512	12" Fire Hydrant Extension	4	Each
451E4518	18" Fire Hydrant Extension	1	Each
451E4580	Standard Fire Hydrant	18	Each
451E4581	Temporary Fire Hydrant	2	Each

WATER MAIN PCN 06XY; CIP 11120 (Cont.)

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
451E4926	Water Main Bedding Material	6,863	Ft
451E5021	Trench Dewatering, Water Main	6,863	Ft
451E6080	Adjust Water Valve Box	4	Each
451E6105	Connect To Existing Water Main	4	Each
451E6106	Cut and Tie to Existing Water Main	2	Each
451E6515	Remove and Reset Fire Hydrant	2	Each
451E7500	Locate Utilities	4	Each
451E7510	Verify Utilities	4	Each

SANITARY SEWER PCN 06XY; CIP 11120

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
451E0120	20" Steel Encasement Pipe	414	Ft
451E3460	20" Pipe Plug	4	Each
451E4908	Select Trench Backfill	1,130.0	Ton
451E5022	Trench Dewatering, Sewer Main	414	Ft
451E5055	Trench 14' to 16' Deep	414	Ft
671E6000	Temporary Manhole Cover	1	Each
671E8000	Reconstruct Manhole	1	Each

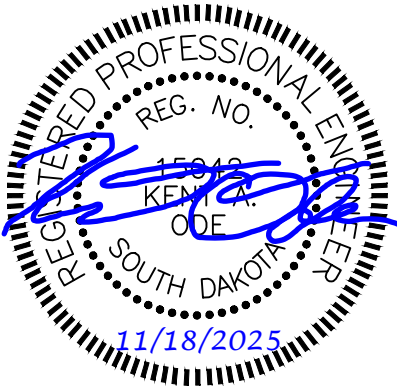
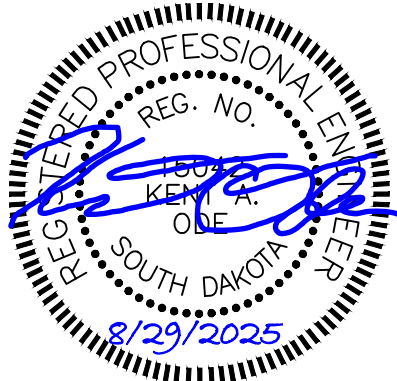


TABLE OF WATERMAIN																
Location to Location	Remove Water Main	Remove & Reset Fire Hydrant	PVC Watermain				16" PVC Restrained Joint Water Main	24" Ductile Iron Restrained Joint Water Main	24" Steel Encasement Pipe	36" Steel Encasement Pipe	Retainer Gland					Cross
			6"	8"	12"	16"					6"	8"	12"	16"	24"	
	(Each)	(Each)	(Ft)				(Ft)	(Ft)	(Ft)	(Ft)	(Each)					(Each)
69th Street (West) (1109+50 to 1124+00)			50	6	1480							16	3	28		1
69th Street (East) (1141+50 to 1167+90)			23	225	506	2101	24		24			16	26	6	19	
69th Street to Highway 11 (900+30 to 913+50)			6	70		1273	52		52			6	12		14	
Highway 11 (1201+30 to 1210+80)			5	10		927						4	8		6	
57th Street (56+28 to 62+12) (522+00 to 523+00)	76	2	21					84		40		6			12	
Field Determined																
Total	76	2	105	311	1986	4301	76	84	76	40		48	49	34	39	1
Grand Total	76	2	105	311	1986	4301	76	84	76	40		48	49	34	39	1

TABLE OF WATERMAIN																			
Location to Location	Tee					Reducer			90° Bend	45° Bend			22° Bend	Cap		Pipe Sleeve			
	12"x6"	12"x8"	16"x6"	16"x8"	16"x16"	8"x6"	12"x8"	16"x12"	8"	12"	16"	24"	16"	12"	16"	6"	8"	16"	24"
	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)	(Each)			(Each)	(Each)	(Each)	(Each)			
69th Street (West) (1109+50 to 1124+00)	4						1			2				3			1		
69th Street (East) (1141+50 to 1167+90)		1	1	4	1	6	1	1	1					1					
69th Street to Highway 11 (900+30 to 913+50)				3		3					1		1						
Highway 11 (1201+30 to 1210+80)				2		2												1	
57th Street (56+28 to 62+12) (522+00 to 523+00)												4				2			2
Field Determined																			
Total	4	1	1	9	1	11	2	1	1	2	1	4	1	3	1	2	1	1	2
Grand Total	4	1	1	9	1	11	2	1	1	2	1	4	1	3	1	2	1	1	2

TABLE OF WATERMAIN																			
Location to Location	Valve w/Box				Hydrant Extension			Fire Hydrant	Bedding Material					Trench Dewatering	Cut and Tie to Existing Watermain	Connect to Existing Watermain			Temp Hydrant
	6"	8"	12"	16"	6"	12"	18"		6"	8"	12"	16"	24"			24"	6"	8"	
	(Each)				(Each)				(Each)	(Ft)					(Ft)	(Each)	(Each)		
69th Street (West) (1109+50 to 1124+00)	4		4					4	50	6	1480			1536			1		
69th Street (East) (1141+50 to 1167+90)	1	6	1	2				7	23	225	506	2125		2879					
69th Street to Highway 11 (900+30 to 913+50)		3		2				3	6	70		1325		1401					
Highway 11 (1201+30 to 1210+80)		2						2	5	10		927		942				1	
57th Street (56+28 to 62+12) (522+00 to 523+00)								2	21				84	105	2	2			
Field Determined					6	4	1												2
Total	5	11	5	4	6	4	1	18	105	311	1986	4377	84	6863	2	2	1	1	2
Grand Total	5	11	5	4	6	4	1	18	6863					6863	2	4			2



STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	4	37

FILE: B001
PLOTING DATE: 8/21/2025

REV DATE:
INITIAL:

ESTIMATE OF QUANTITIES
SANITARY SEWER - PCN 01VA; CIP 11120

TABLE OF 20" STEEL ENCASEMENT PIPE			
ALIGNMENT	STATION/OFFSET	STATION/OFFSET	QUANTITY (FT)
Veterans Parkway	440+38, 114.8' LT	440+35, 105.1' RT	220
Veterans Parkway	461+18, 89.4' LT	461+17, 105.0' RT	194
SUBTOTALS			414

CASING PIPE CAP/PLUG			
ALIGNMENT	STATION/OFFSET	PIPE MARKER	DIAMETER (INCH)
Veterans Parkway	440+38, 114.8' LT	1	20"
Veterans Parkway	440+35, 105.1' RT	1	20"
Veterans Parkway	461+18, 89.4' LT	1	20"
Veterans Parkway	461+18, 105.0' RT	1	20"
TOTAL		4	



CITY OF SIOUX FALLS	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	5	38

FILE: WATER AND SEWER NOTES
PLOTTING DATE: 10/17/2025
REV DATE: 10/17/2025
INITIAL: KAO

PROJECT SCOPE

This project consists of utility installation in coordination with the construction of Veterans Parkway and associated City streets. Utilities to be installed include water main, hydrants, valves, sanitary sewer steel casing pipe, and reconstruction of a manhole.

SPECIFICATIONS TO BE USED

The most current edition of the City of Sioux Falls General Conditions for Public Improvements and Supplemental Standard Specifications, together with Division II and Division III of the most current edition of the South Dakota Department of Transportation Standard Specifications for Roads and Bridges with Supplemental Specifications and Errata, City and DOT Standard Plates and required provisions, supplemental specifications, and/or special provisions as included in the Project Manual are hereby made a part of these specifications in its entirety unless otherwise revised, deleted, or supplemented herein.

The City of Sioux Falls Engineer's Office will provide a copy of the City of Sioux Falls General Conditions for Public Improvements and the City of Sioux Falls Supplemental Standard Specifications free of charge to all prospective bidders upon request. The Supplemental Standard Specifications can also be downloaded from the City of Sioux Falls website at <https://www.sioxfalls.gov/business-permits/development-projects/construction-management-and-design/specs-policies-manuals>. The South Dakota Department of Transportation Standard Specifications for Roads and Bridges with Supplemental Specifications and Errata can be downloaded from the SDDOT's website at <https://www.sddot.gov/>.

All water main and sanitary sewer installation and materials shall conform to the City of Sioux Falls Supplemental Standard Specifications for Water Main Construction and the City of Sioux Falls Supplemental Standard Specifications for Sanitary Sewer Construction.

The Buy American, Buy America or AIS requirements will apply to City utility materials.

The South Dakota DOT bid items are utilized in the estimate of quantities.

SUBMITTALS

The following documents shall be submitted by the Contractor. Documentation requirements elsewhere in the contract are not waived if not listed in the following table.

Submittals	Date Submitted
Water Main and Sanitary Sewer Shop drawings	
Construction schedule	
South Dakota State sewer and water plumbing contractor's license	
Discharge chlorinated water plan	
Dewatering plan for groundwater	

CITY TOBACCO POLICY

The use of tobacco products is prohibited in all City-owned and City-shared buildings, facilities, vehicles, parking lots, equipment, worksites, and walkways leading into City facilities. This policy does not extend to work occurring within the right of way.

For purposes of this policy, tobacco is defined as any product made or derived from tobacco that is intended for human consumption, including any component, part, or accessory of a tobacco product. Tobacco is also defined and includes all forms of nicotine delivery devices, which may or may not include actual tobacco (such as electronic cigarettes).

UTILITIES

All utilities shall be verified by the Contractor prior to starting work. Any time existing utilities impede the progress of work, the Contractor shall immediately notify the Engineer.

All utilities, whether privately or publicly owned, shall be moved, relocated, and/or replaced as necessary, by the respective utility company or companies except as noted in the plans. These modifications shall take place in advance of construction when applicable or when advised by the Engineer. No payment shall be made to the Contractor unless specified in the contract documents.

The Contractor shall safeguard all utilities and coordinate his or her efforts to coincide with utility work by others in order to minimize inconvenience to the public and utility companies. When pipe utility installation crosses existing utilities, the Contractor shall be responsible for supporting the utilities in a manner that is acceptable to the owner of the utility. Any damage caused to the utilities due to Contractor carelessness shall be repaired at the Contractor's expense to the satisfaction of the utility owner.

Abandoned utilities (gas lines, telephone lines, etc.) encountered during construction shall be removed and disposed of by the Contractor. Costs associated with this work shall be incidental to the various bid items associated with work adjacent to the abandoned utility.

The Contractor shall be responsible for the coordination of all work associated with the disturbance, removal, or replacement of unidentified metallic natural gas mains or services when encountered. The Contractor shall, in advance and prior to proceeding with the work, coordinate with the City of Sioux Falls, MidAmerican Energy Company, and all other companies related to the associated work.

Existing utility locations shown on drawings are approximate. There is no guarantee that the utilities shown include all such utilities or that the locations indicated are exact. The Contractor shall contact South Dakota One Call system, utility companies, and the City of Sioux Falls to verify locations of all existing utilities prior to excavation.

The Contractor shall be responsible for notifying South Dakota One Call 1-800-781-7474 to have utilities field located.

The Contractor shall cooperate with and coordinate his or her efforts to work with the utility companies and their contractors. Each bidder shall be responsible prior to bid letting, for determining the effects of utility work on the project work scope and schedule, and shall account for all such effects in his or her bid. No consideration will be given to the Contractor after the bid letting on account of utility work done by others.

See "List of Utilities" in the Special Provisions for utility contact information and a summary of anticipated work.

Lewis and Clark Regional Water System pipeline at SD11 station 1165+94:

Lewis & Clark Regional Water System is designated as a High-Profile Utility with SD One Call. The Contractor will comply with the Special Provision for Lewis & Clark Crossing Requirements at all times. No heavy equipment shall operate, park, or be placed overtop of the Lewis & Clark pipe. No excess soil shall be placed or stored over the top of the Lewis & Clark pipe. No equipment shall traverse across the Lewis & Clark pipe, except on the pavement surface of Highway 11. Contractor shall provide notice to Lewis & Clark in accordance with the Crossing Requirements prior to any work on or near the Lewis & Clark pipe or within their easement.

Any loss of water service for any situation in this portion of the pipeline may result in an economic loss for Lewis & Clark Regional Water System. This portion of the 30-inch diameter pipeline serves MCWC, Rock County Rural Water, Lincoln-Pipestone Rural Water, City of Rock Rapids, City of Luverne MN, and the City of Worthington Mn.

CONTRACTOR INSTALLED UTILITIES

The Contractor shall be responsible for locating City utilities installed within the project until final acceptance is granted. City of Sioux Falls cannot provide one call locates to new City utilities installed within the project limits during active construction projects until final acceptance of the project. Furthermore, the City of Sioux Falls is not responsible for any damage to new City utilities during project construction due to inaccurate or absent locates on the part of the Contractor. All costs associated with locating City utilities installed with the project until final acceptance shall be incidental to the project.



CITY OF SIOUX FALLS	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	6	38

FILE: WATER AND SEWER NOTES
PLOTTING DATE: 10/17/2025
REV DATE: 10/17/2025
INITIAL: KAO

PROTECTION OF EXISTING WATER MAIN, SANITARY SEWER, AND STORM SEWER SYSTEMS

For the protection of existing public underground utilities and the surrounding work area, consideration shall be given to isolating portions of the existing water distribution system within the construction limits while maintaining fire protection. During underground utility installation such as, but not limited to, sanitary sewer, water main, storm sewer, sump pump drain, etc., in the proximity of existing water main and/or water services, the existing water main distribution shall be isolated within the work area. Upon receiving notice from the Contractor 24 hours in advance of any work, City staff will operate designated water valves, where appropriate, to isolate the work area as much as reasonably possible. The Contractor shall become aware of the location and status (open/closed) of any designated isolation valve(s). Sioux Falls Water Maintenance staff shall be notified immediately in the event of a water service emergency or interruption. It will be permissible for the Contractor to operate the designated valve(s) in the event of a water main or water service failure within the construction area. The Contractor is required to have a valve operating key on site in the event of such a failure. Sioux Falls Water Maintenance (367-8810) shall be notified immediately after the shutdown. City crews will operate the valves after repairs have been made and inspections have been completed.

Existing sanitary sewer lines and manholes within the construction limits shall be protected at all times during construction. The upstream ends of existing sanitary sewer lines downstream from new sanitary sewer construction shall be plugged at locations to be approved by the Engineer. Water, stone, dirt, gravel, asphalt, concrete or any other debris shall not be allowed to enter the City's sanitary sewer system during flushing operations or at any other time. Construction taking place in the vicinity of any existing City sanitary sewer lines or manholes shall not cause any inflow of surface water, ground water, water from damaged water lines, or debris to enter the City's sanitary sewer system. The Contractor shall be responsible for any damages or costs incurred to the City's sanitary sewer system, Water Reclamation Division, and/or private property, and any actions imposed by SDDANR due to spills, overflows, inflows, lift station surcharges, City Water discharge, sanitary sewer discharges to surface waters, sanitary sewer backups into homes, etc.

Existing storm sewer inlets and pipes within the construction limits shall be protected from the entrance of stone, dirt, gravel, asphalt, concrete or any other debris during construction. The SWPPP must be followed at all times.

CONTRACTOR SAFETY REQUIREMENTS

The Contractor is responsible for following all local, state, and federal rules and regulations regarding site safety. The Contractor is solely responsible for site safety from the issuance of the Notice to Proceed until Final Acceptance. The City shall not be responsible for the Contractor's failure to follow all applicable rules and regulations.

PORTABLE TOILET FACILITIES

The Contractor will be responsible for providing portable toilet facilities for the project at no cost to the City.

ACCEPTANCE TESTING

The City will be responsible for taking the first acceptance test and a backup test if required. All subsequent tests required, due to failures, will be paid by the Contractor by deducting the cost from the pay request unless otherwise specified.

Testing methods and equipment shall be as outlined in Section 6 of the General Conditions and the current version of the Engineering Division's Policy Letter on Minimum Testing Requirements for Public Improvements. Testing frequency shall be as outlined in the current version of the Engineering Division's Policy Letter on Minimum Testing Requirements for Public Improvements or at the discretion of the Engineer. If there are conflicts, the Engineering Division's Policy Letter on Minimum Testing Requirements for Public Improvements shall govern over the General Conditions.

The City reserves the right to require work or material that does not meet specifications, whether subject to acceptance testing or not, to be removed and replaced. The City also reserves the right to assess a price deduction in lieu of removal and replacement at the City's sole discretion. The method of assessing a price deduction for work not meeting specifications shall be at the sole discretion of the City.

LOCATING UTILITY

This work consists of excavating material to locate a utility line, (Private or Public), when the utility owner cannot find said line, or utility line is not within four (4) feet either side of markings established by the utility owner. Payment for this item will be at the contract unit price per each. 4 locates are estimated for this project.

VERIFY UTILITY

This work consists of excavating material to verify the depth of an existing utility line, (Private or Public), to avoid possible conflicts, when directed by the Engineer. Payment for this item will be at the contract unit price per each. 4 verifications are estimated for this project.

After verification, the Contractor shall coordinate information with the Engineer.

ADJUSTMENT OF VALVE BOXES

Under these items of framework, the water main valve boxes are to be adjusted in accordance with the applicable standard plate. The Contractor shall furnish the new manhole frames and covers and water valve boxes in accordance with the supplemental standard specifications, where shown on the plan sheets.

Existing frames and/or lids cracked or broken through the carelessness of the Contractor's forces shall be replaced with new frames and/or lids at the Contractor's expense.

UTILITY STAKING

All staking required for watermain and sanitary sewer will be completed by others and will not be a part of this contract.

Utility stakes set by the Engineer in connection with the work shall be carefully preserved by the Contractor and shall not be disturbed or moved from the exact position and elevation as set by the Engineer. No excavated material shall be placed over or against said stakes and, except where necessary to remove the stakes as the work progresses, stakes shall be carefully preserved in the original position and elevation until the work has been accepted. Stakes which must be removed as the work progresses shall be removed only upon concurrence by the Engineer.

Staking required to complete the work will be completed by the Engineer unless otherwise noted. Staking will be completed one time for each work item. Stakes disturbed or removed through the carelessness of the Contractor will be restaked by the Engineer and may result in a price adjustment to the contract.

DEWATERING

It is anticipated that groundwater will be encountered during construction. Dewatering shall be paid for under the bid items "Trench Dewatering, Sewer Main" or "Trench Dewatering, Water Main" and shall be full compensation for all permits, materials, equipment, and labor needed to perform the work.

It shall be the responsibility of the Contractor to discharge and dispose of the water in an approved manner. No water shall be allowed to enter the sanitary sewer. The Contractor shall dispose of water in a suitable manner without damage to adjacent property. The water shall be filtered using an approved method to remove sand and fine-sized soil particles before disposal into any drainage system. Discharge from dewatering operations shall be controlled to prevent erosion and scour.

The Contractor is responsible for obtaining a Temporary Water Use Permit from the SD DANR prior to commencing dewatering operations. Prior to excavating, the Contractor shall submit for review a dewatering plan to be approved by the Engineer.

SOIL BORINGS

Soil boring information taken for the project has been included in the project specifications. Locations, water, and rock depths encountered at the time of the borings are indicated on the plans. There is no expressed or implied agreement that depths or character of materials shown are correct or complete. Conditions affecting work may actually differ from those shown in the boring logs. Bidders are expected to examine the site, interpret or disregard soil boring logs as they see fit, and arrive at their own conclusions regarding the character and locations of materials to be encountered. All Contractors desiring to take additional soil borings on this project must obtain permission from the property owners involved and from the Engineer.

UNCLASSIFIED EXCAVATION

All excavations made for underground utilities is incidental to the installation of that utility. All spoil material removed for pipe installation is the property of the Contractor and is to be removed from the project by the Contractor. All spoil material and costs for removing it are incidental to pipe installation costs.



SANITARY SEWER

FOR BIDDING PURPOSES ONLY

CITY OF SIOUX FALLS	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	7	38

SANITARY SEWER - GENERAL

1. Sanitary sewer work consists of installation of new steel encasement pipes and manhole reconstruction.
2. Contractors License. The Contractor shall obtain a “South Dakota State Sewer and Water Plumbing Contractor's License” prior to commencing construction.
3. The Contractor shall notify the City Engineer's office upon completion of the sanitary sewer work. Inspection of the sanitary sewer will be made by the City Engineer's office, or consultant if applicable, and the Contractor to identify and note any deficiencies. The expense of the initial television inspection will be borne entirely by the City. The expense of any additional television inspections beyond the initial inspection due to Contractor errors will be borne entirely by the Contractor. Televising will not occur unless the following conditions are met:
- Appropriate vehicle access i.e. level, free of mud holes, and capable of supporting televising vehicles is provided to all sanitary sewer manholes access points.
- Manholes/structures are exposed and easily accessible. Buried manholes are not acceptable.
 - Manhole frames and lids per the City's standard plates are properly installed.
 - Interior manhole work is complete, i.e., manhole inverts and pipe penetration complete, welding complete.
 - Manholes, pipes, etc. are clean and free of debris including lumber or wood forms, gravel/dirt, etc. More than a one-half gallon container of gravel or dirt per 400' and in each manhole is unacceptable.
 - The Contractor shall place water in pipes to assist in identifying sags

Corrective actions will be provided to the Project Manager or the subdivision inspector, who will provide them to the Contractor. After corrections are made, the television request may be submitted again, in writing, and the process will begin again and be repeated until the infrastructure has been accepted. Paving may occur but is not recommended until the sewer infrastructure has been reviewed and accepted. A time extension will not be considered due to the Contractor waiting for the sewer to be televised. The Contractor is still responsible for correcting items not meeting the Engineering Design Standards after the initial inspection through the warranty period. Cleaning and maintenance of the sanitary sewer and storm drainage systems shall be the responsibility of the Contractor until final completion. Weather delays and unforeseen circumstances may delay televising.

4. The Contractor and consultant are required to fill out the City's Sanitary Sewer Backup Prevention Plan checklist on a daily basis when sanitary sewer manholes and/or sewer pipes are exposed to construction related activities. The Contractor and consultant shall submit the completed forms to the City's Project Manager every two weeks, or more often if requested by the City's Project Manager. This form is available from the City's Project Manager. All costs associated with filling out and submitting this form shall be incidental to the project.

SANITARY SEWER PIPE MARKER

Furnishing and installing the pipe markers shall be incidental to the Sewer Plug bid item and placed as shown on the plan sheets. Markers shall be installed per the City Standard Plate 950.14 at the end of sanitary sewer stubs for future connection.

EMPTY STEEL CASING PIPE PLUGS

Contractor shall provide a gasketed PVC end cap at each location shown in the Drawings where future carrier pipe is to be installed within the proposed steel casing. End caps shall be water tight and seal pipe from filling with water or debris. The contractor shall use a Fernco coupler or similar rubber end seal with stainless steel bands to seal the PVC cap to the casing pipe. Payment for the “(size)” Pipe Plug” shall be compensation for all labor, materials, and equipment necessary to provide a watertight seal of the steel casing pipe, which is empty for future use, using an external PVC cap.

The Contractor shall also provide all labor, materials, and equipment necessary to furnish and install a marker at the ends of the capped steel casing pipe for ease of locating in the future. The marker shall be placed directly above the pipe cap where possible. All costs to furnish the markers for the pipe plugs shall be incidental to the bid item.

STEEL ENCASEMENT PIPE

All costs to furnish the steel casing shall be included in the bid item per size for “Steel Encasement Pipe”. The steel encasement pipe will be installed per open cut before the road construction.

The length of steel pipe that will be installed by open cut method for sanitary pipe is included in the “Trench X” to X” Deep” and “Trench Dewatering” bid item(s). The pipe bedding material shall be incidental to the “Steel Encasement Pipe” bid item.

The proposed steel casing shall meet the following requirements:

- Minimum wall thickness = 0.375” (Water and Sewer)

RECONSTRUCT MANHOLE

The Contractor will reconstruct the lined manhole as shown in the plans. Proposed reconstruction of the lined manhole is detailed in the plans based on field measurements. Contractor will verify all measurements and make adjustments to the proposed reconstruction if required and with the approval of the Engineer.

Any revisions or rework required to reconstruct the manhole to the correct elevation will be at the expense of the Contractor.

All costs including, but not limited to, excavation, removing and disposing of existing concrete sections, gaskets, adjustment rings, castings, furnishing and installing or resetting new lined concrete sections, castings, gaskets, adjustment rings, liner joint spark testing, cutting and welding joints, wrap, grading, and all associated labor will be included in the bid item “Reconstruct Manhole” per each

SELECT GRANULAR BACKFILL FOR SANITARY SEWER

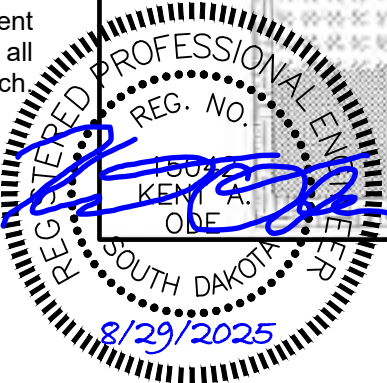
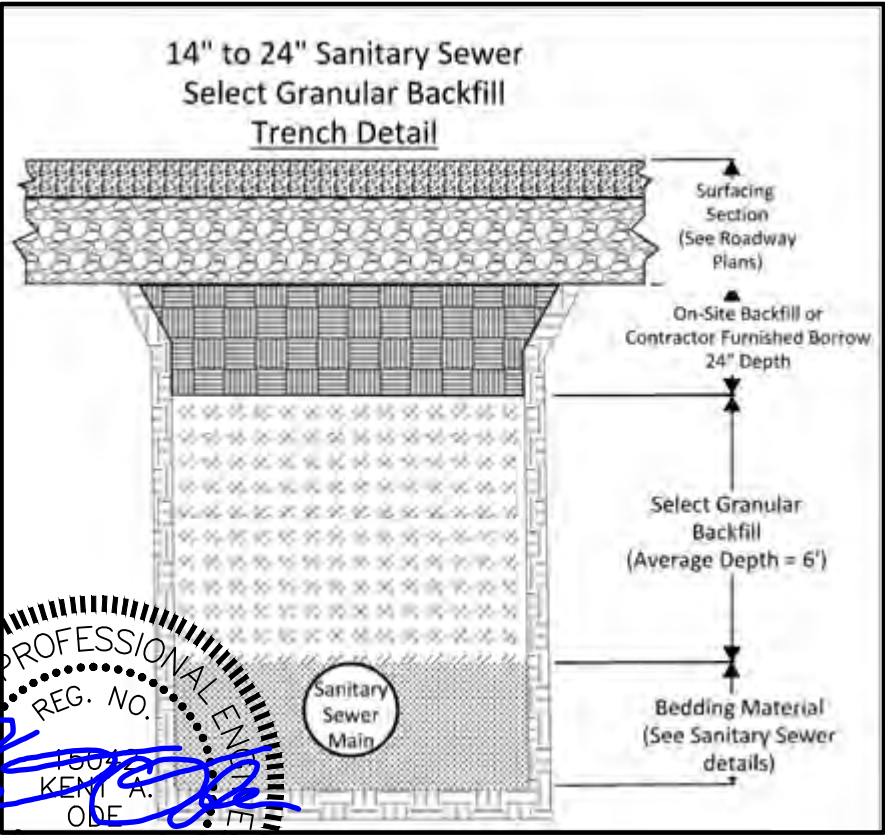
Due to possible wet soils, unsuitable site backfill material, limited width for proper backfill methods next to existing utilities, and to allow for expedited construction due to the project phasing, select granular backfill is anticipated to be installed at the proposed sanitary sewer trench locations. Select granular backfill must meet the requirements shown in the table below:

Sieve Size	Percent Passing
1"	100%
#200	<10%

The Engineer will field determine which on-site soils can be re-used for trench fill. The Contractor must have approval from the Engineer prior to hauling away on-site soils and hauling in select granular backfill.

All costs to furnish and install the select granular backfill material will be included in the contract unit price per ton for “Select Trench Backfill”. Material that is required to be hauled offsite will be incidental to this bid item. For final measurement of the material, weight tickets must be provided to the Engineer at the time of construction.

A quantity of 1130 tons has been included in the plans quantity for Select Trench Backfill. When installed, the select granular backfill will be installed in the sanitary sewer trench as shown in the detail below. A 6' high by 10' wide area was assumed for a portion of the sanitary sewer on the western edge of the project.



WATER

FOR BIDDING PURPOSES ONLY

CITY OF SIOUX FALLS	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	8	38

WATER MAIN - GENERAL

1. Water Main work consists of installation of new water main, hydrants, and associated fittings.

Contractors License. The Contractor shall obtain a “South Dakota State Sewer and Water Plumbing Contractor’s License” prior to commencing construction.

WATER MAIN AND APPURTENANCES

All valve operation will be done by the City of Sioux Falls water department.

All ductile iron pipe and fittings shall be wrapped with polyethylene tube material to protect the pipe from any future corrosion. The poly material shall be installed as detailed in the supplemental specifications and the ductile iron handbook from DIPRA and ANSI A21.5 (AWWA C105).

All water distribution materials shall meet NSF / ANSI Standard 61 – Drinking Water System Components, Health Effects, NSF/ANSI 61, and NSF/ANSI 372. The Contractor or Supplier may submit appropriate documentation to the Engineer for any materials not listed in the City’s Supplemental Standard Specifications for Water Main Construction, Section 300. This documentation must be provided no later than 7 days prior to bid opening

WATER MAIN PARALLELING OR CROSSING SEWERS

Installation of water mains parallel to sanitary or storm sewer lines shall be completed in a manner such that the water mains shall be laid at least 10 feet horizontal distance when measured edge to edge from any existing or proposed sanitary sewer, storm sewer, or sewer manhole. Where water mains cross above storm sewers or sanitary sewers, there shall be at least 18 inches vertical clearance between the bottom of the water main and the top of the sewer pipe and one full length of water pipe must be located so both joints will be as far from the sewer as possible.

A water main may cross below a non-perforated sewer main if minimum vertical separation of 18 inches is provided and the sewer main is of acceptable water main pipe material and is a continuous piece of at least 20 feet in length with the length of the water pipe located so both joints are as far as possible from the sewer main. A water main may cross either above or below a non-perforated sewer line with a vertical separation of less than 18 inches if either the water or sewer line is encased in PVC or steel for at least 10 feet each side of the crossing. If PVC or steel is used as encasement material, the ends shall be adequately sealed with a rubber boot. Where water mains are to be installed in parallel with a sewer or a sewer manhole that is less than 10 feet away horizontally and is not at least 18 inches below the water main, the water main shall be encased in PVC or steel for the entire distance that the sewer is too close to the water main. If PVC or steel is used as encasement material, the ends shall be adequately sealed with a rubber boot. PVC casing pipe shall meet the requirements of restrained joint PVC pipe material in Section 300 Supplemental Standard specifications for Water Main Construction. Payment for crossings shall be incidental to the contract unit prices for the water main items.

WATER MAIN DISINFECTION

After disinfection and final flushing and before the new water main is connected to the distribution system, two consecutive sets of acceptable samples, taken 24 hours apart, shall be collected from the new main. The samples must be submitted to a health laboratory acceptable to the state DANR, which includes the City of Sioux Falls health lab. The samples must be free of coliform bacteria before the system can be placed into service.

When minor water main work occurs (i.e. tie-in connections of new water main to existing water main, water main adjustments, installation of new valves on existing main or any other work deemed minor by the Engineer) the existing main, prior to the completion of the bacteria testing, may be returned to service once the line has been flushed and a boil order has been issued. The boil order will be rescinded with the passing of the bacteria test.

Water that is discharged during water main flushing shall not reach a stream, river or water way if the chlorine residual exceeds 0.05 mg/L.

The City or its representative shall notify all consumers affected by any interruption of water service at least 24 hours before the interruption of water service. Consumers shall be verbally notified when possible. In the event a consumer cannot be verbally notified, a door hanger shall be secured to the most frequently used entrance by the City or its representative.

WATER MAIN CONNECTIONS (4” OR LARGER)

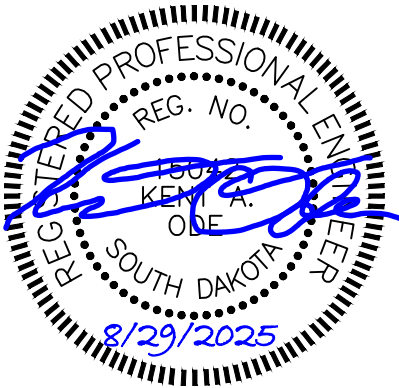
Connect to Existing Water Main: The construction requirements and method of measurement and payment shall be as stated in Section 300 of the City’s Supplemental Specifications.

Cut and Tie to Existing Water Main: The construction requirements and method of measurement and payment shall be as stated in Section 300 of the City’s Supplemental Specifications.

DISCHARGE OF CHLORINATED WATER

Water from the City’s Water Distribution System that is drained into work areas or open trenches must be discharged without impact to the environment. The Contractor shall review locations of discharge hydrants relative to open areas and shall meet with property owners to discuss discharge locations and obtain property owner approval if water will be discharged across their private property. The following is a prioritized list for the disposition of chlorinated or heavily chlorinated water from the distribution system:

- a. If the discharge location is close to Waters of the State, discuss excavation of depressions or berms (BMP’s) with the City and property owner(s) to accommodate discharge volumes. Water from the distribution system shall be pumped or flushed to these BMP’s and shall be stored and discharged through infiltration. Overland flow is not allowed.
- b. Water from the distribution system may be pumped into vactor trucks or septic tank trucks and hauled to the Water Reclamation Plant or other facility permitted by (DANR) to accept such discharge.
- c. Permission must be obtained by the City for the discharge of Water from the distribution system into City’s sanitary sewer system. Contractor is responsible for verifying hydraulic loading on existing sanitary sewer system during trench dewatering operations to ensure that sewer backups do not occur.

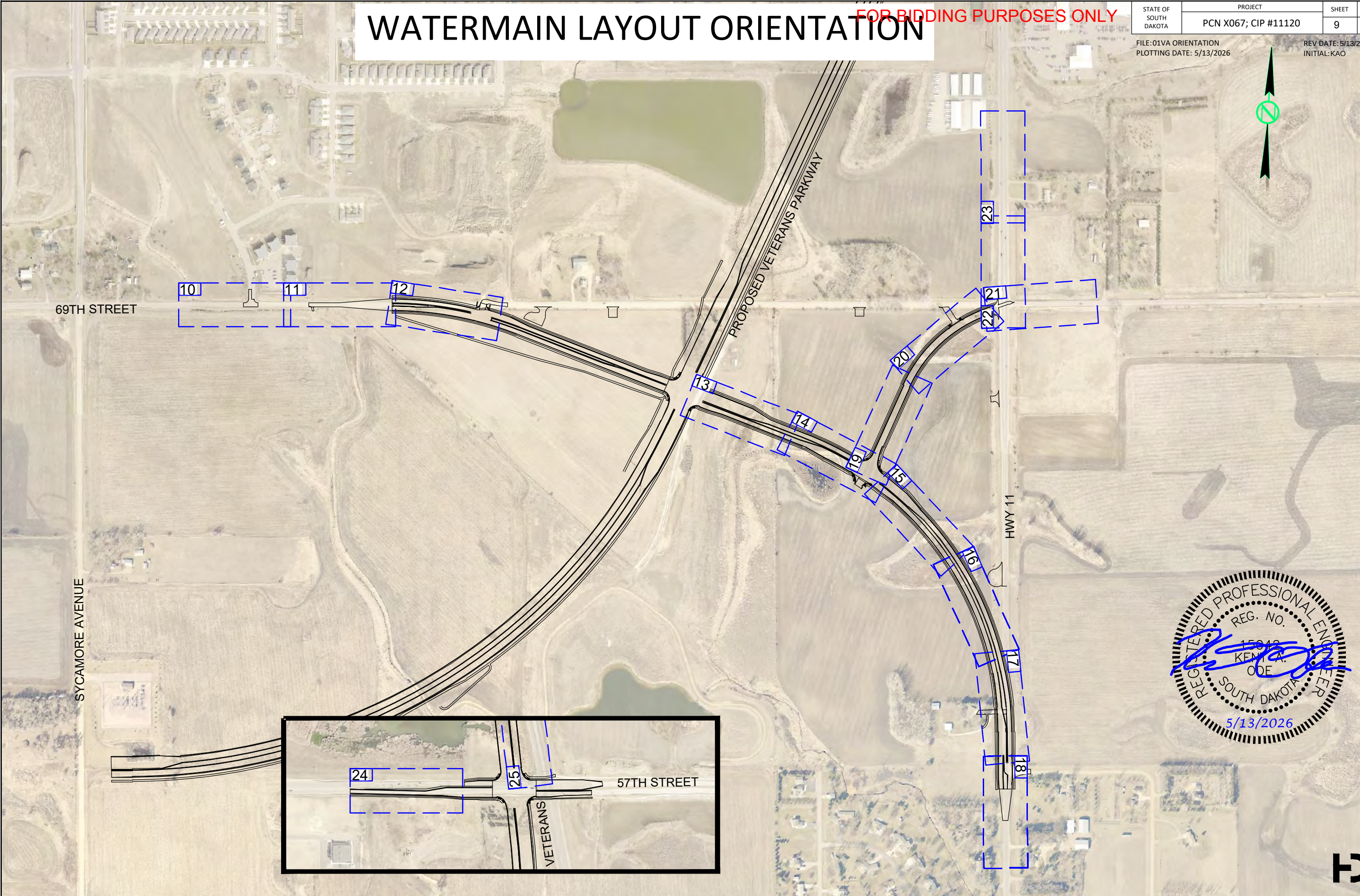


WATERMAIN LAYOUT ORIENTATION

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	9	37

FILE:01VA ORIENTATION
PLOT DATE: 5/13/2026
REV DATE: 5/13/2026
INITIAL:KAO



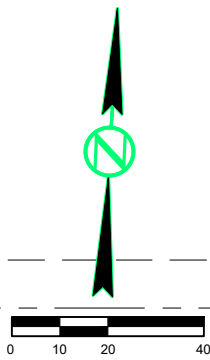
69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	10	38

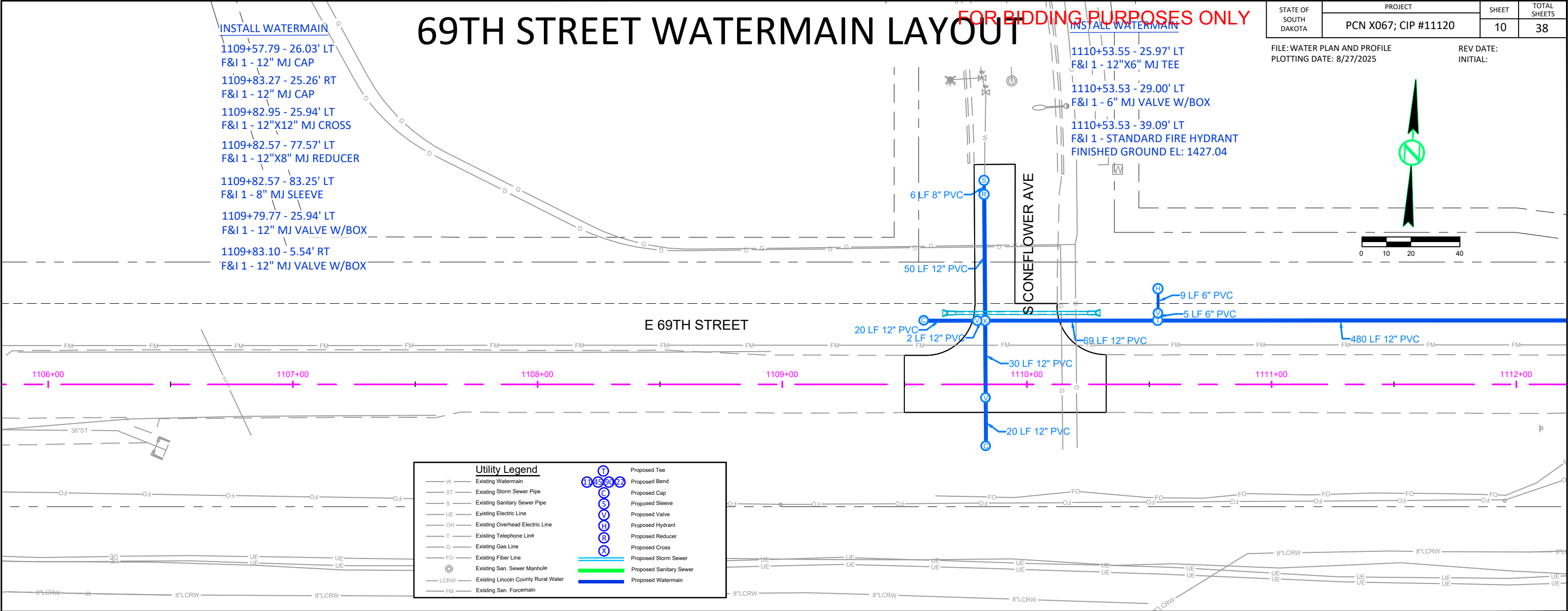
FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:

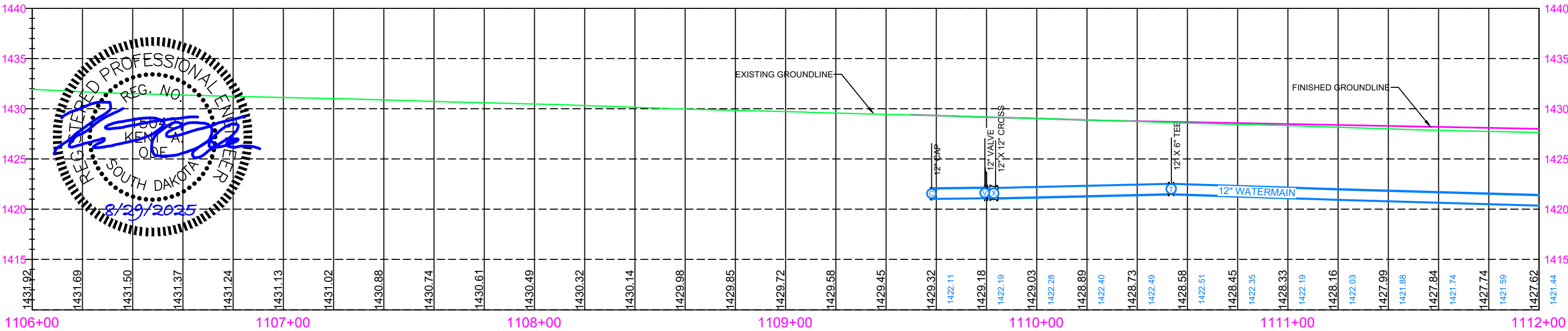


INSTALL WATERMAIN
1109+57.79 - 26.03' LT
F&I 1 - 12" MJ CAP
1109+83.27 - 25.26' RT
F&I 1 - 12" MJ CAP
1109+82.95 - 25.94' LT
F&I 1 - 12"X12" MJ CROSS
1109+82.57 - 77.57' LT
F&I 1 - 12"X8" MJ REDUCER
1109+82.57 - 83.25' LT
F&I 1 - 8" MJ SLEEVE
1109+79.77 - 25.94' LT
F&I 1 - 12" MJ VALVE W/BOX
1109+83.10 - 5.54' RT
F&I 1 - 12" MJ VALVE W/BOX

INSTALL WATERMAIN
1110+53.55 - 25.97' LT
F&I 1 - 12"X6" MJ TEE
1110+53.53 - 29.00' LT
F&I 1 - 6" MJ VALVE W/BOX
1110+53.53 - 39.09' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1427.04



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LCRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
T	Proposed Tee
1 4 3 2	Proposed Bend
C	Proposed Cap
S	Proposed Sleeve
V	Proposed Valve
H	Proposed Hydrant
R	Proposed Reducer
X	Proposed Cross
---	Proposed Storm Sewer
---	Proposed Sanitary Sewer
---	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

INSTALL WATERMAIN

1115+51.21 - 26.24' LT
F&I 1 - 12"X6" MJ TEE

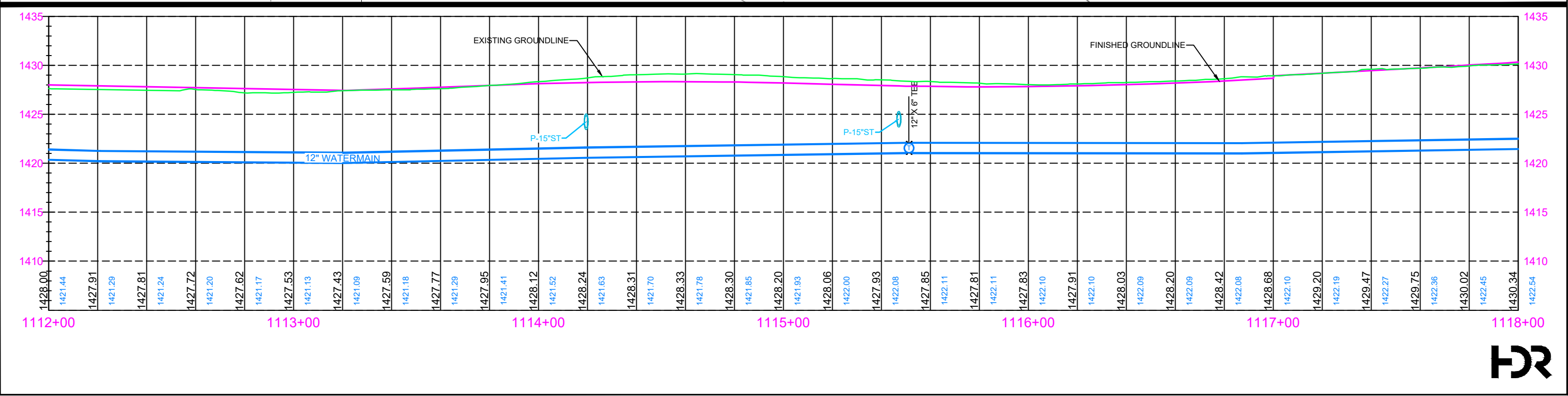
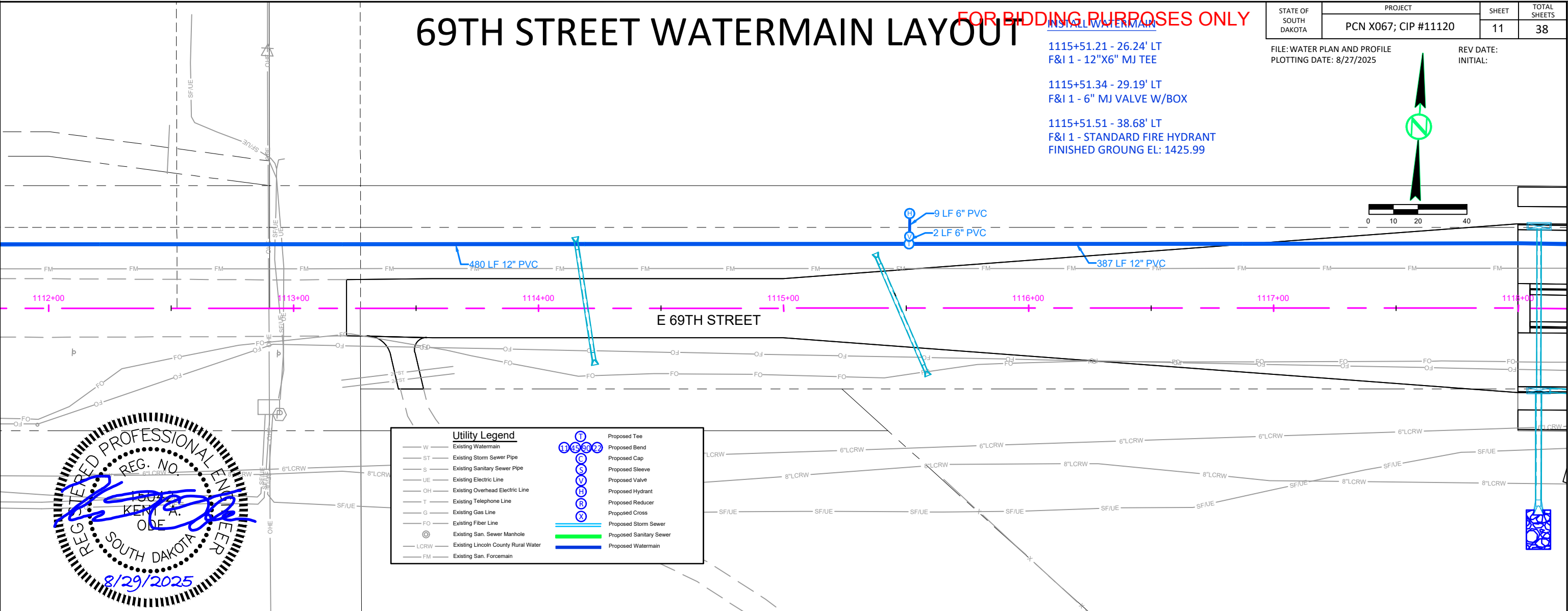
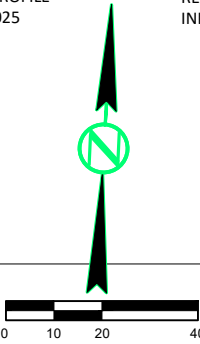
1115+51.34 - 29.19' LT
F&I 1 - 6" MJ VALVE W/BOX

1115+51.51 - 38.68' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1425.99

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	11	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

INSTALL WATERMAIN

1119+44.99 - 26.54' LT
F&I 1 - 12"X6" MJ TEE

1119+45.02 - 30.99' LT
F&I 1 - 6" MJ VALVE W/BOX

1119+45.02 - 38.50' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1431.71

1119+37.81 - 26.43' LT
F&I 1 - 12" MJ VALVE W/BOX

INSTALL WATERMAIN

1123+00.82 - 88.84' LT
F&I 1 - 12" MJ CAP

1122+93.23 - 63.85' LT
F&I 1 - 6" MJ VALVE W/BOX

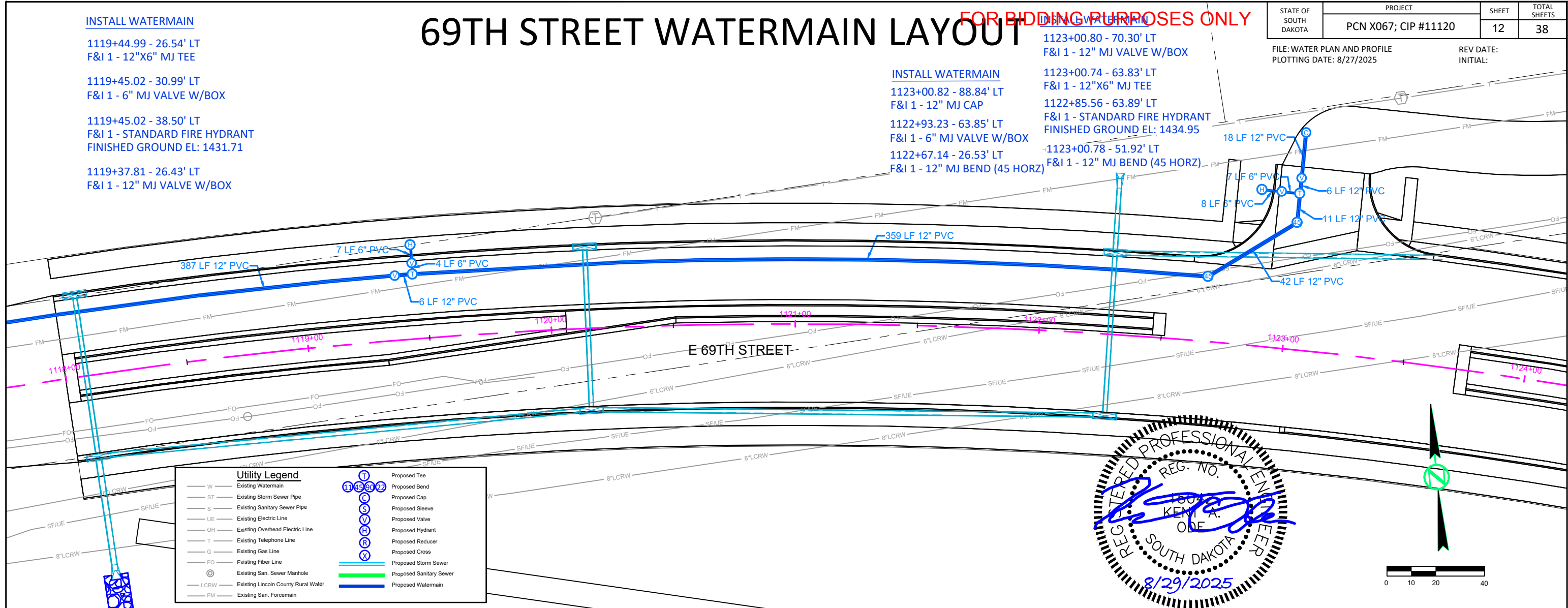
1122+67.14 - 26.53' LT
F&I 1 - 12" MJ BEND (45 HORZ)

1123+00.80 - 70.30' LT
F&I 1 - 12" MJ VALVE W/BOX

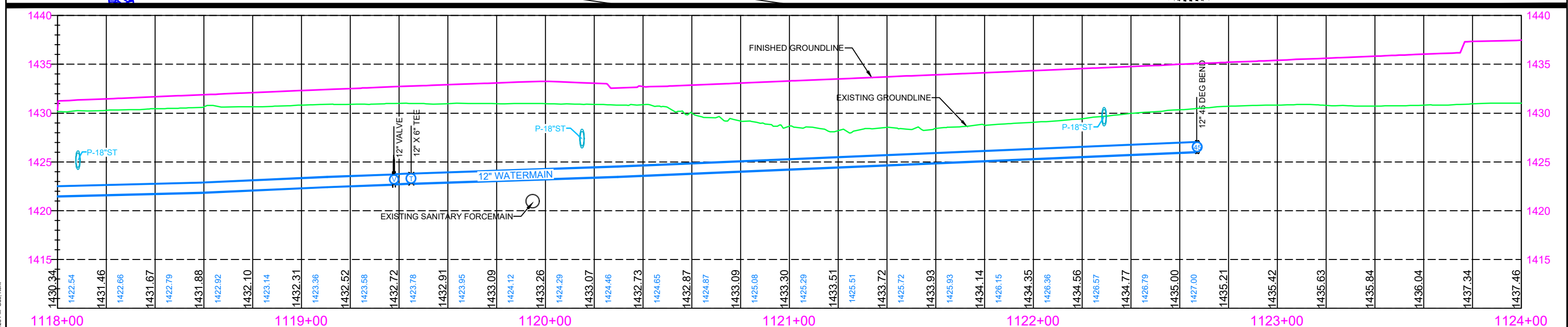
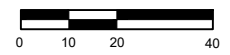
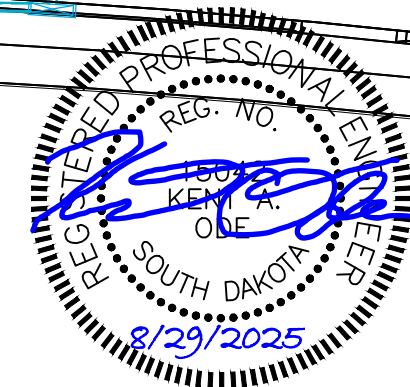
1123+00.74 - 63.83' LT
F&I 1 - 12"X6" MJ TEE

1122+85.56 - 63.89' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1434.95

1123+00.78 - 51.92' LT
F&I 1 - 12" MJ BEND (45 HORZ)



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LCRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
T	Proposed Tee
B	Proposed Bend
C	Proposed Cap
S	Proposed Sleeve
V	Proposed Valve
H	Proposed Hydrant
R	Proposed Reducer
X	Proposed Cross
SS	Proposed Storm Sewer
SS	Proposed Sanitary Sewer
WM	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	13	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:

INSTALL WATERMAIN

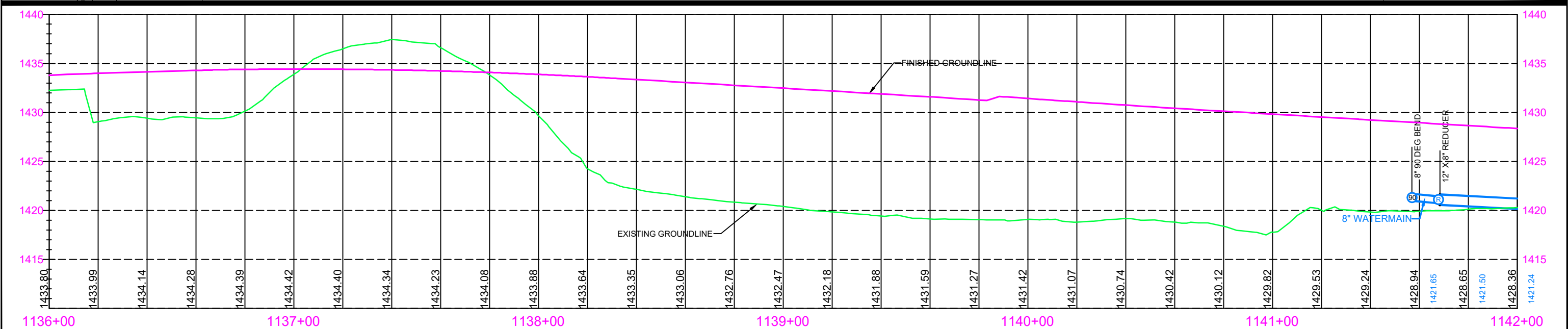
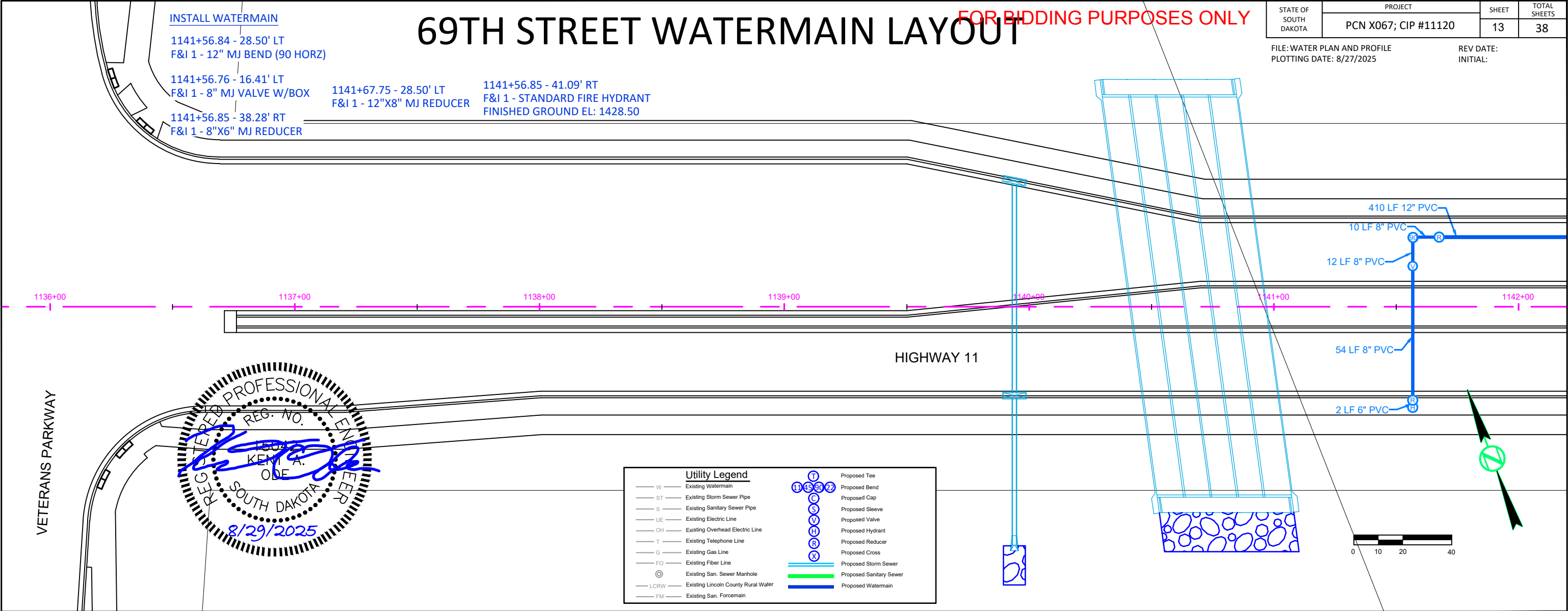
1141+56.84 - 28.50' LT
F&I 1 - 12" MJ BEND (90 HORZ)

1141+56.76 - 16.41' LT
F&I 1 - 8" MJ VALVE W/BOX

1141+56.85 - 38.28' RT
F&I 1 - 8"X6" MJ REDUCER

1141+67.75 - 28.50' LT
F&I 1 - 12"X8" MJ REDUCER

1141+56.85 - 41.09' RT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1428.50



INSTALL WATERMAIN

1145+71.07 - 28.50' LT
F&I 1 - 12"X8" MJ TEE

1145+71.06 - 33.77' LT
F&I 1 - 8" MJ VALVE W/BOX

1145+71.10 - 37.95' LT
F&I 1 - 8"X6" MJ REDUCER

1145+71.10 - 41.23' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1422.44

1146+71.12 - 28.57' LT
F&I 1 - 12" MJ VALVE

1146+80.01 - 28.50' LT
F&I 1 - 16"X16" MJ TEE

1146+76.08 - 28.46' LT
F&I 1 - 16"X12" MJ REDUCER

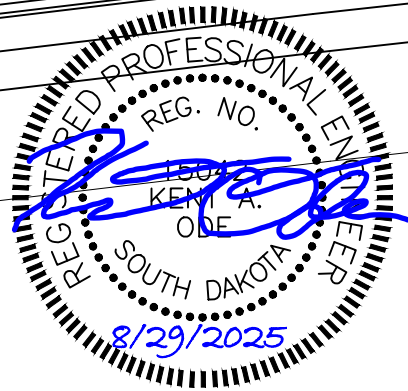
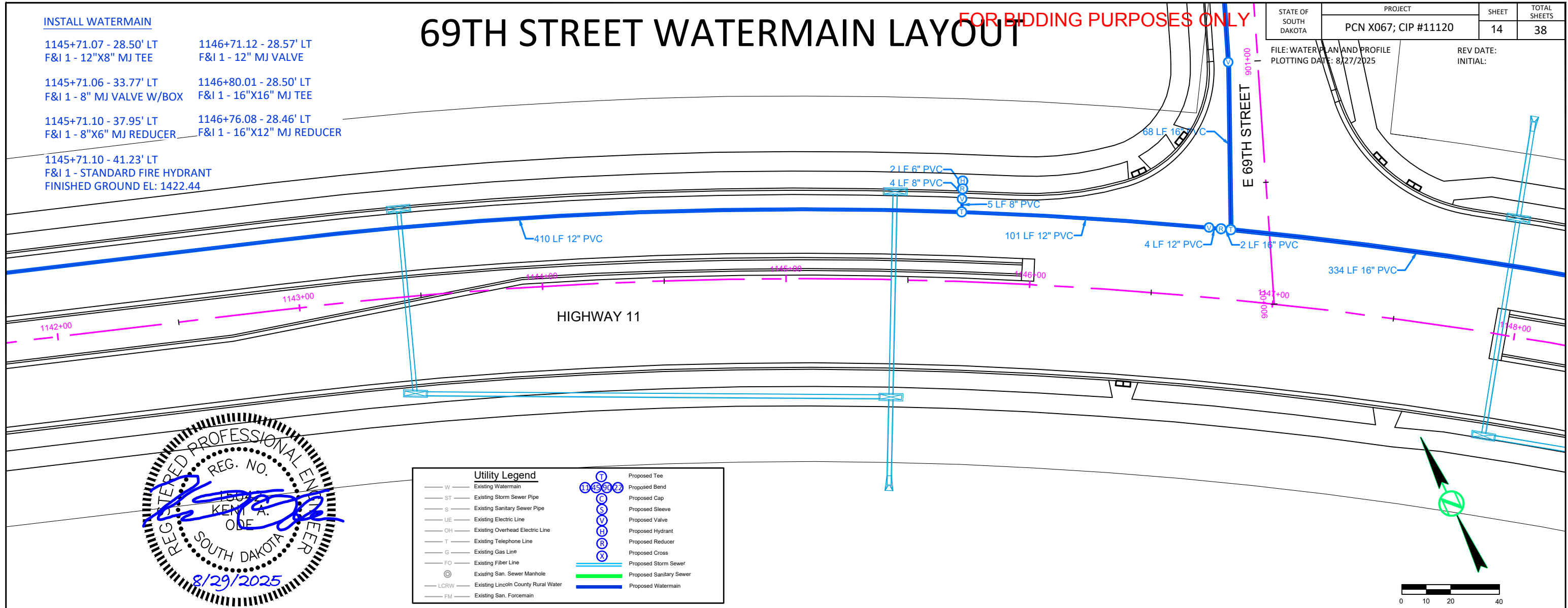
69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

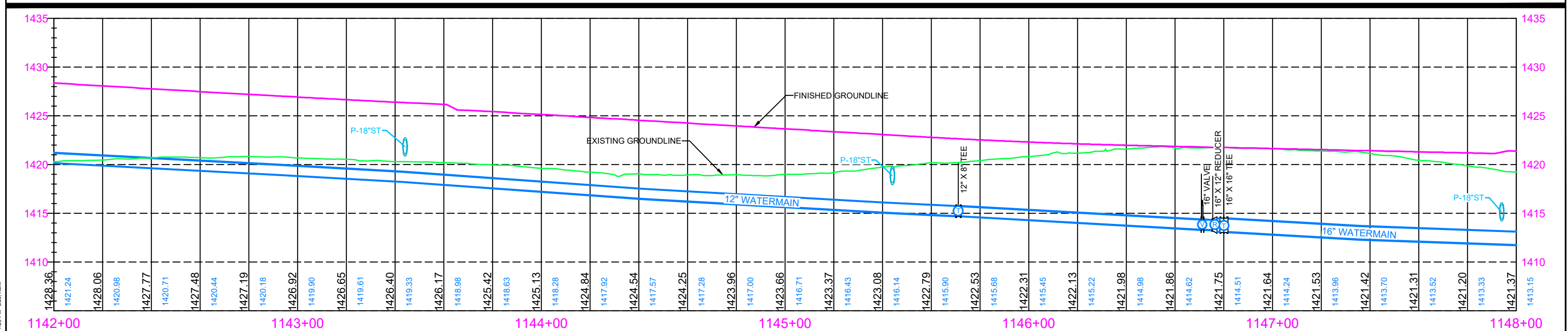
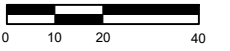
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	14	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LCRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
⊕	Proposed Tee
⊙	Proposed Bend
⊕	Proposed Cap
⊕	Proposed Sleeve
⊕	Proposed Valve
⊕	Proposed Hydrant
⊕	Proposed Reducer
⊕	Proposed Cross
⊕	Proposed Storm Sewer
⊕	Proposed Sanitary Sewer
⊕	Proposed Watermain



INSTALL WATERMAIN

1150+08.06 - 28.50' LT
F&I 1 - 16"X8" MJ TEE

1150+08.08 - 16.34' LT
F&I 1 - 8" MJ VALVE W/BOX

1150+08.02 - 38.30' RT
F&I 1 - 8"X6" MJ REDUCER

1150+07.98 - 41.03' RT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1419.74

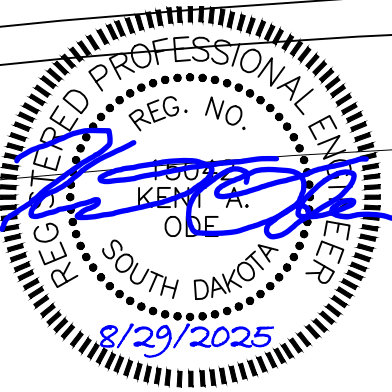
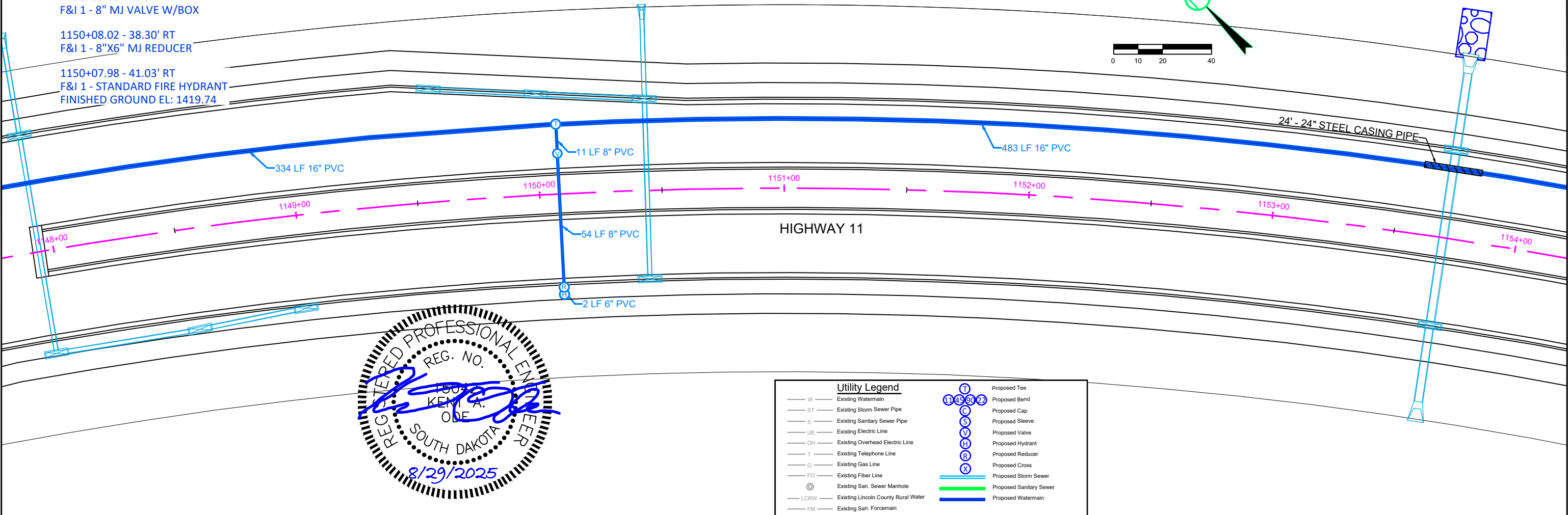
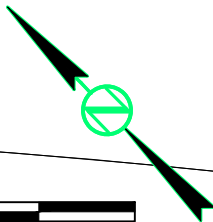
69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

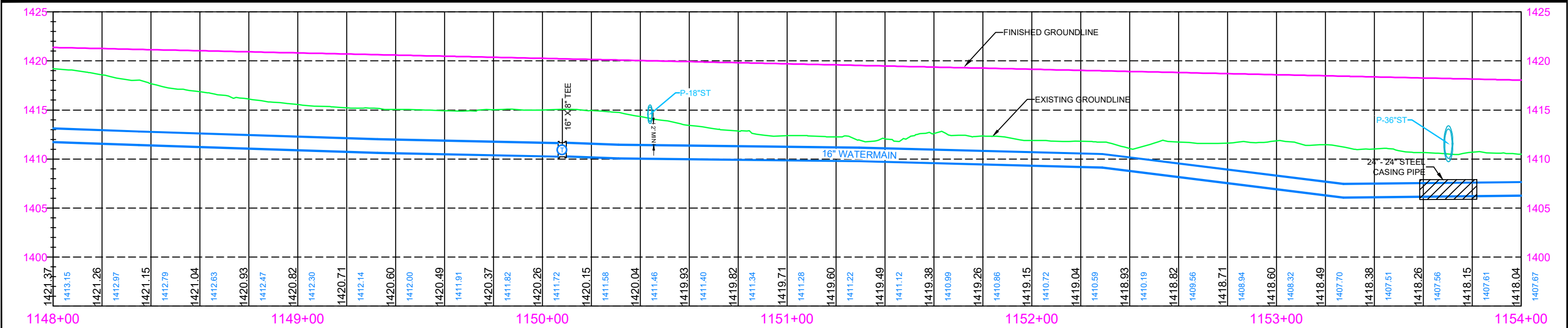
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	15	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LORW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
⊕	Proposed Tee
⊙	Proposed Bend
⊕	Proposed Cap
⊕	Proposed Sleeve
⊕	Proposed Valve
⊕	Proposed Hydrant
⊕	Proposed Reducer
⊕	Proposed Cross
⊕	Proposed Storm Sewer
⊕	Proposed Sanitary Sewer
⊕	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

INSTALL WATERMAIN

1154+82.80 - 28.54' LT
F&I 1 - 16"X6" MJ TEE

1154+82.58 - 33.38' LT
F&I 1 - 6" MJ VALVE W/BOX

1154+82.65 - 41.26' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1417.10

1159+46.85 - 28.50' LT
F&I 1 - 16" MJ VALVE W/BOX

INSTALL WATERMAIN

1159+66.86 - 28.54' LT
F&I 1 - 16"X8" MJ TEE

1159+66.83 - 16.39' LT
F&I 1 - 8" MJ VALVE W/BOX

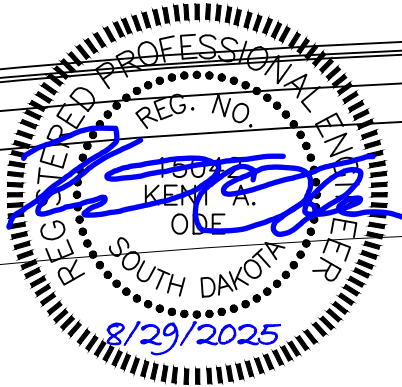
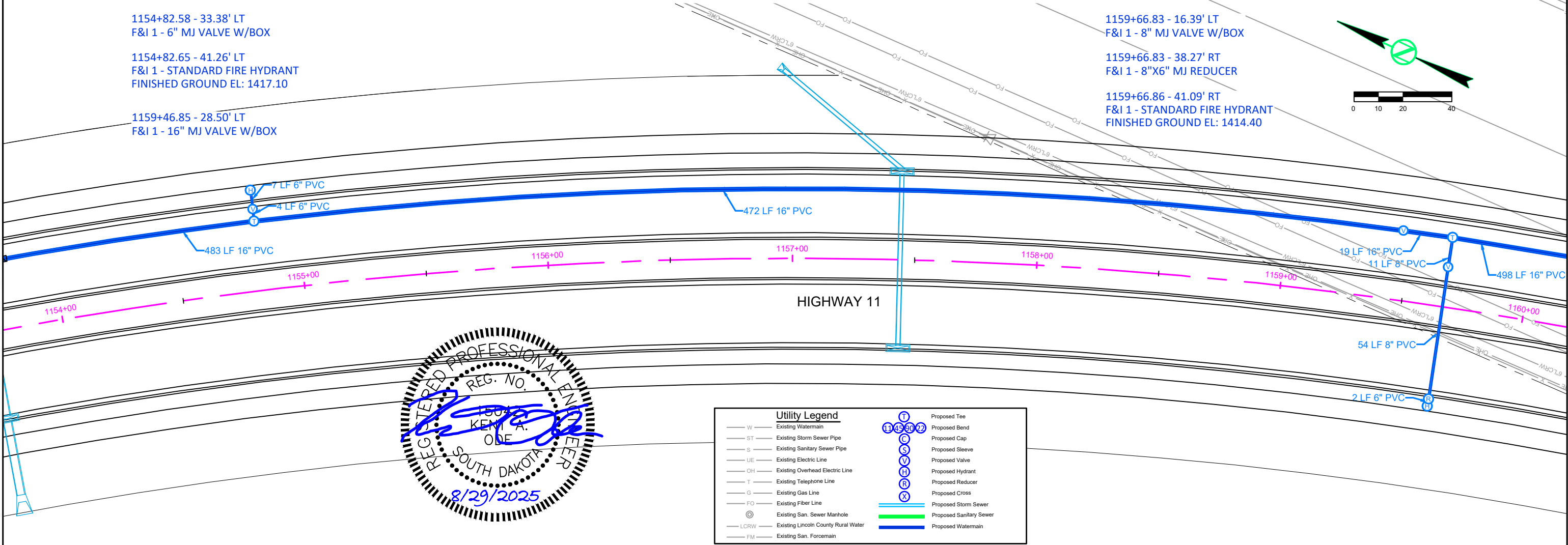
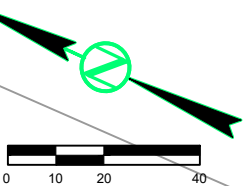
1159+66.83 - 38.27' RT
F&I 1 - 8"X6" MJ REDUCER

1159+66.86 - 41.09' RT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1414.40

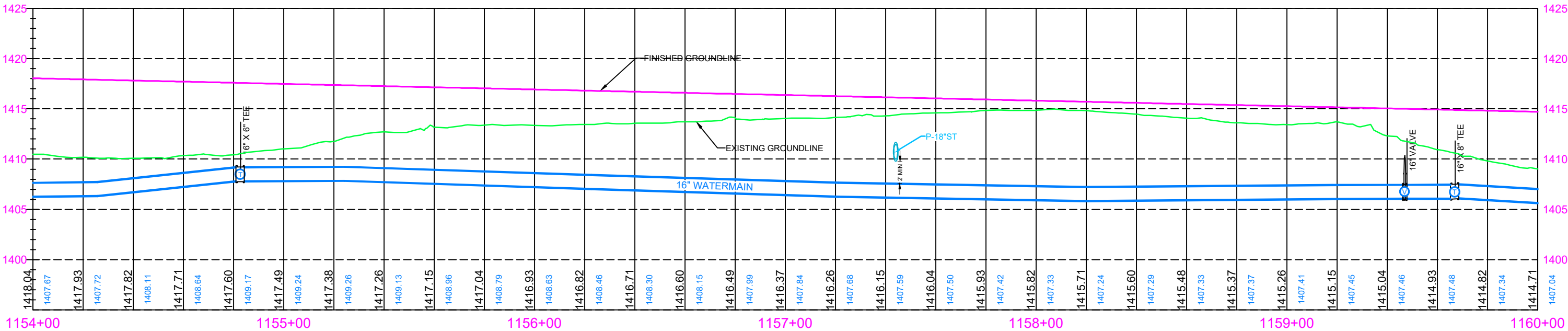
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	16	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LCRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
⊕	Proposed Tee
⊙	Proposed Bend
⊙	Proposed Cap
⊙	Proposed Sleeve
⊙	Proposed Valve
⊙	Proposed Hydrant
⊙	Proposed Reducer
⊙	Proposed Cross
⊙	Proposed Storm Sewer
⊙	Proposed Sanitary Sewer
⊙	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	17	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:

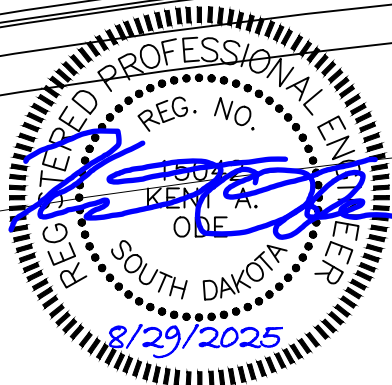
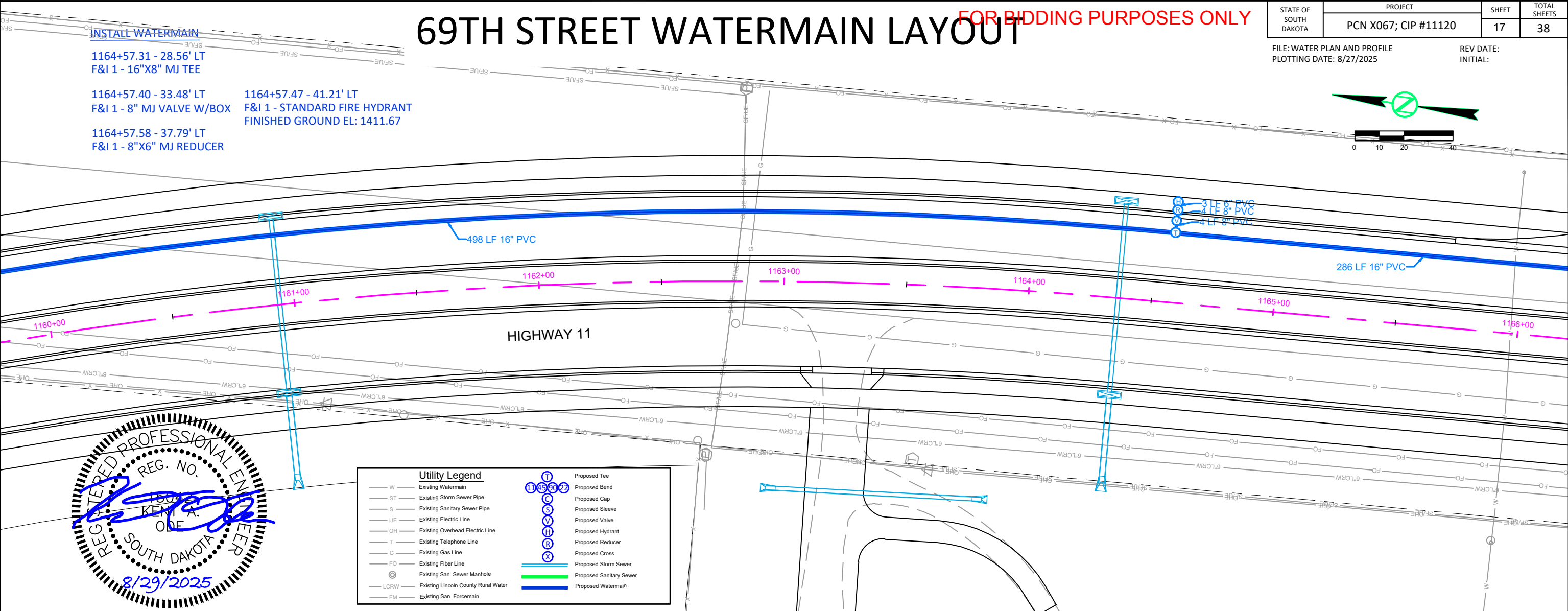
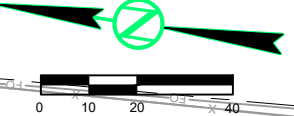
INSTALL WATERMAIN

1164+57.31 - 28.56' LT
F&I 1 - 16"X8" MJ TEE

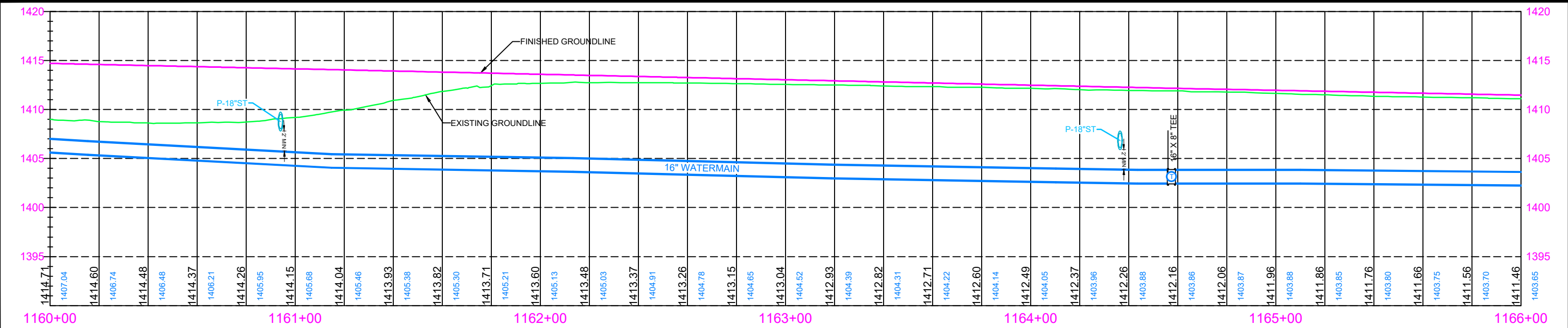
1164+57.40 - 33.48' LT
F&I 1 - 8" MJ VALVE W/BOX

1164+57.58 - 37.79' LT
F&I 1 - 8"X6" MJ REDUCER

1164+57.47 - 41.21' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1411.67



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LGRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
(Symbol)	Proposed Tee
(Symbol)	Proposed Bend
(Symbol)	Proposed Cap
(Symbol)	Proposed Steeve
(Symbol)	Proposed Valve
(Symbol)	Proposed Hydrant
(Symbol)	Proposed Reducer
(Symbol)	Proposed Cross
(Symbol)	Proposed Storm Sewer
(Symbol)	Proposed Sanitary Sewer
(Symbol)	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

INSTALL WATERMAIN

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	18	38

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/27/2025

REV DATE:
INITIAL:

1167+42.31 - 28.72' LT
F&I 1 - 16"X6" MJ TEE

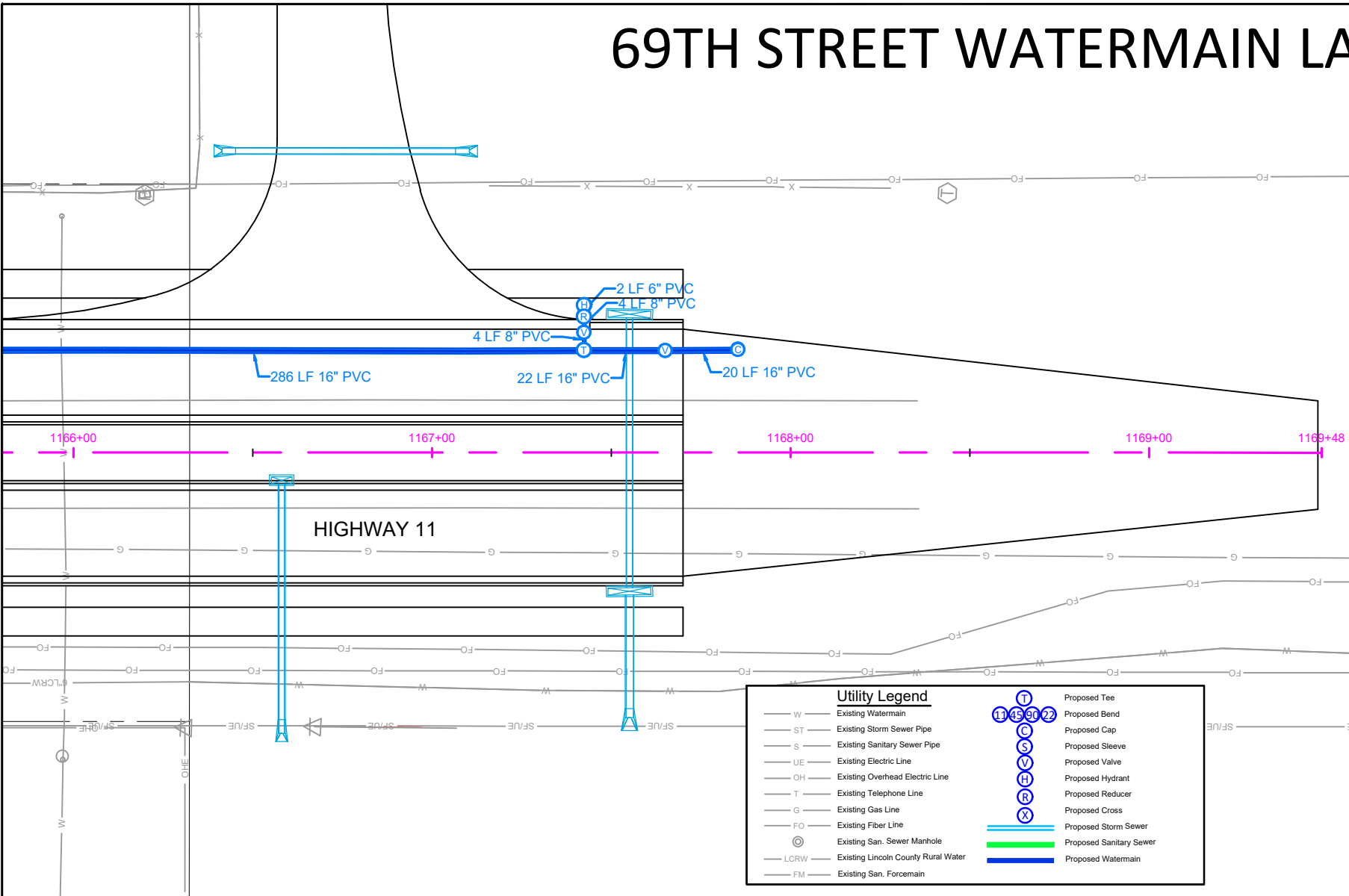
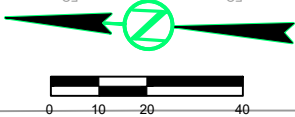
1167+42.19 - 33.55' LT
F&I 1 - 8" MJ VALVE W/BOX

1167+42.40 - 41.15' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1410.26

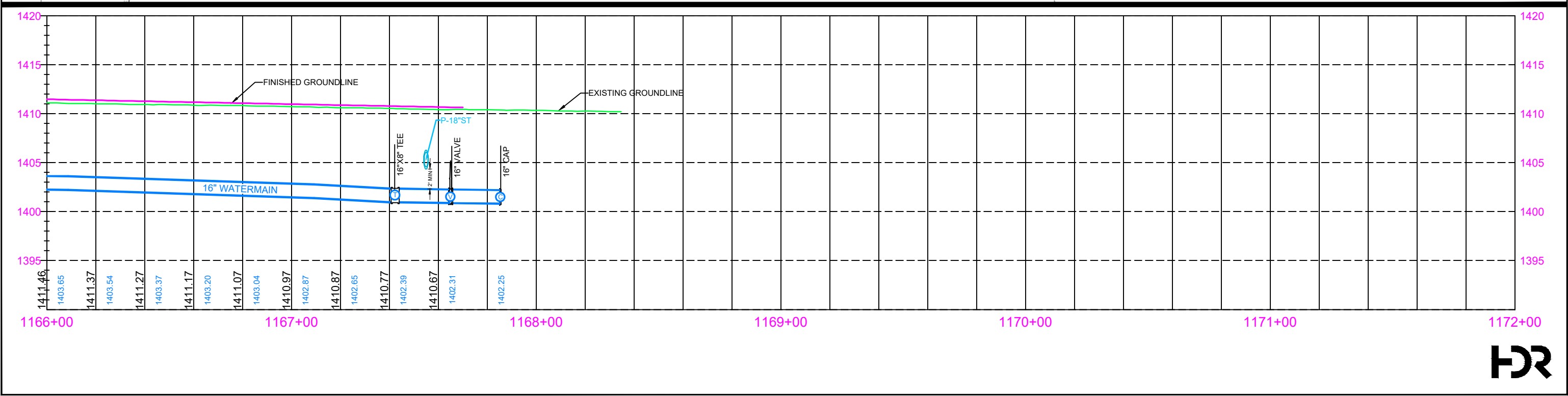
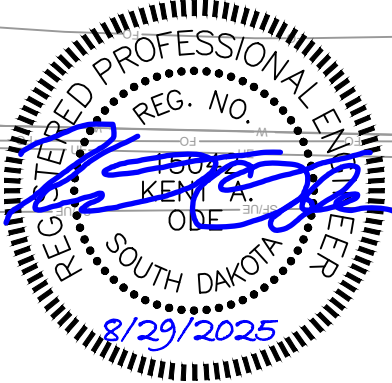
1167+64.88 - 28.44' LT
F&I 1 - 16" MJ VALVE W/BOX

1167+85.04 - 28.67' LT
F&I 1 - 16" MJ CAP

1167+42.38 - 37.96' LT
F&I 1 - 8"X6" MJ REDUCER



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LORW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
⊕	Proposed Tee
⊙	Proposed Bend
⊙	Proposed Cap
⊕	Proposed Sleeve
⊕	Proposed Valve
⊕	Proposed Hydrant
⊕	Proposed Reducer
⊕	Proposed Cross
⊕	Proposed Storm Sewer
⊕	Proposed Sanitary Sewer
⊕	Proposed Watermain



69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	19	37

FILE: WATER PLAN AND PROFILE
PLOT DATE: 8/29/2025

REV DATE:
INITIAL:

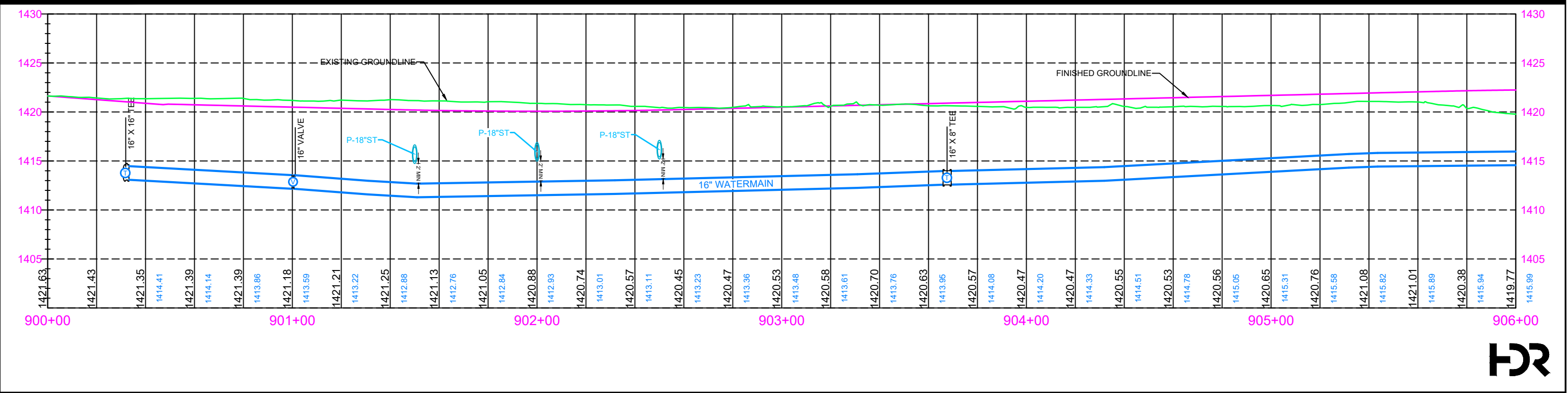
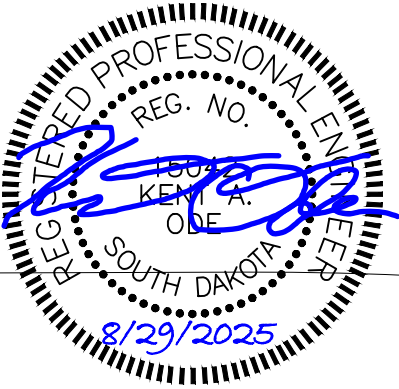
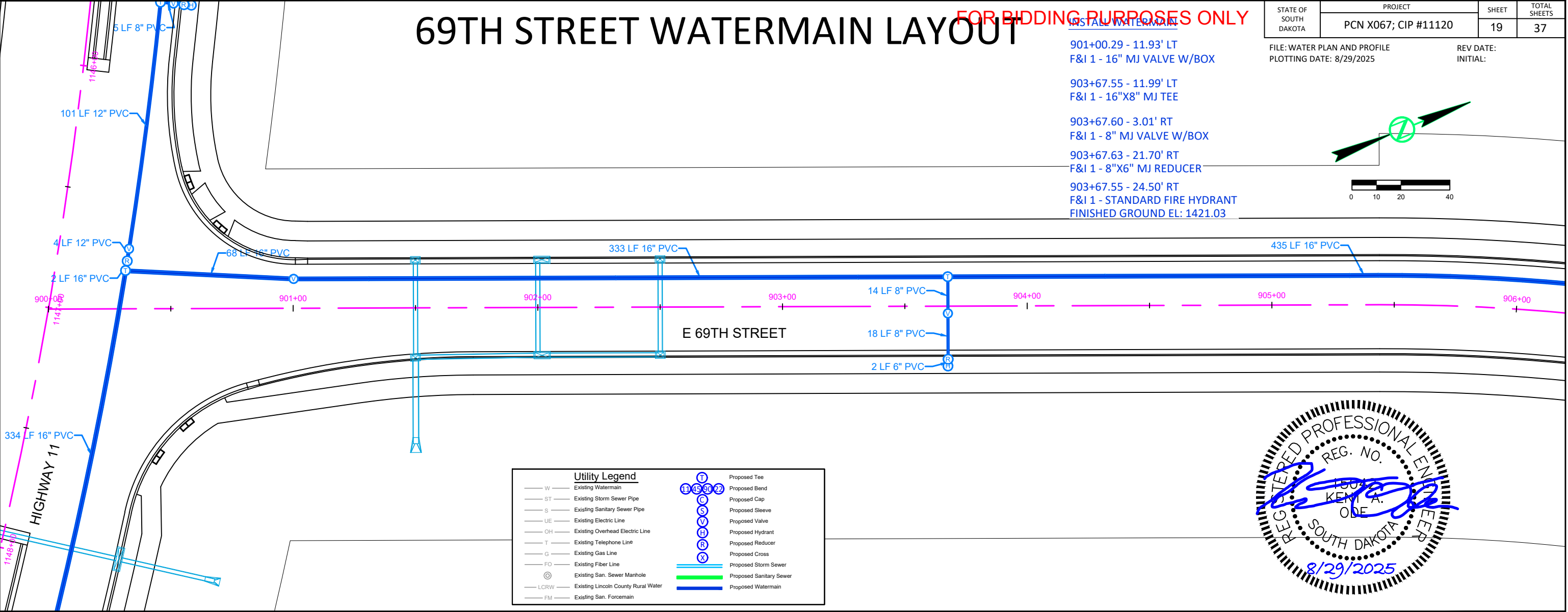
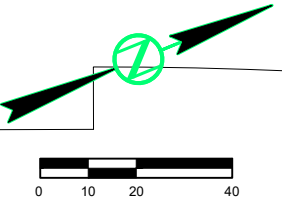
901+00.29 - 11.93' LT
F&I 1 - 16" MJ VALVE W/BOX

903+67.55 - 11.99' LT
F&I 1 - 16"X8" MJ TEE

903+67.60 - 3.01' RT
F&I 1 - 8" MJ VALVE W/BOX

903+67.63 - 21.70' RT
F&I 1 - 8"X6" MJ REDUCER

903+67.55 - 24.50' RT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1421.03



INSTALL WATERMAIN

908+00.12 - 11.96' LT
F&I 1 - 12"X8" MJ TEE

908+00.10 - 17.30' LT
F&I 1 - 8" MJ VALVE W/BOX

908+00.03 - 22.34' LT
F&I 1 - 8"X6" MJ REDUCER

908+00.08 - 25.40' LT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1421.12

911+67.80 - 12.00' LT
F&I 1 - 16" MJ VALVE W/BOX

FOR BIDDING PURPOSES ONLY

911+86.41 - 11.98' LT
F&I 1 - 16"X8" MJ TEE

911+86.41 - 0.00' RT
F&I 1 - 8" MJ VALVE W/BOX

911+86.50 - 21.63' RT
F&I 1 - 8"X6" MJ REDUCER

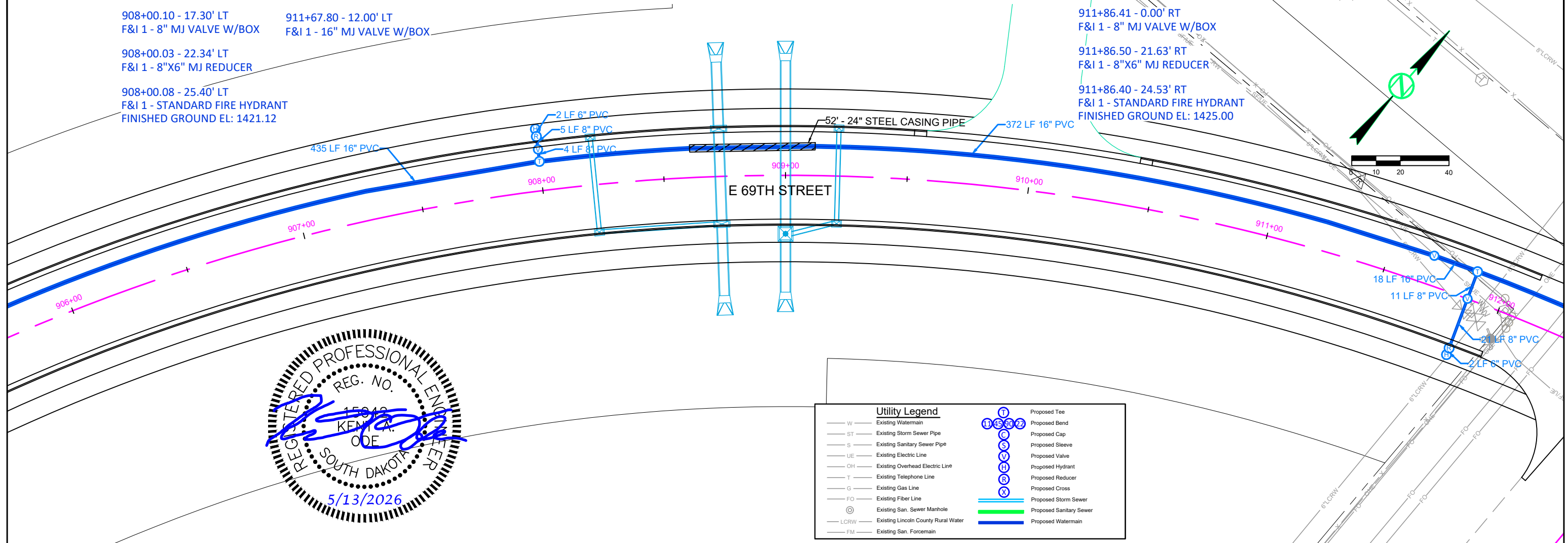
911+86.40 - 24.53' RT
F&I 1 - STANDARD FIRE HYDRANT
FINISHED GROUND EL: 1425.00

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	20	37

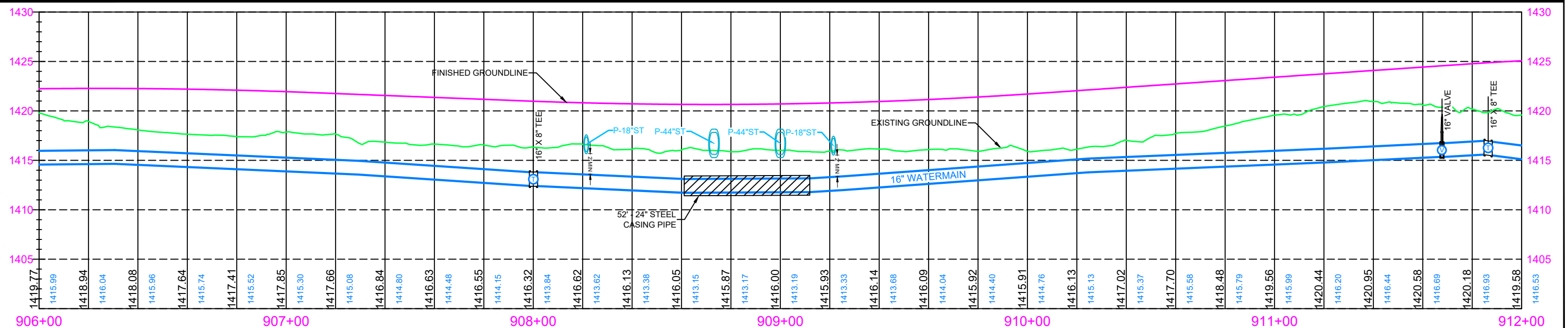
FILE: WATER PLAN AND PROFILE
PLOT DATE: 5/13/2026

REV DATE: 5/13/2026
INITIAL: KAO

69TH STREET WATERMAIN LAYOUT



Utility Legend	
— W —	Existing Watermain
— ST —	Existing Storm Sewer Pipe
— S —	Existing Sanitary Sewer Pipe
— UE —	Existing Electric Line
— OH —	Existing Overhead Electric Line
— T —	Existing Telephone Line
— G —	Existing Gas Line
— FO —	Existing Fiber Line
⊙	Existing San. Sewer Manhole
— LCRW —	Existing Lincoln County Rural Water
— FM —	Existing San. Forcemain
⊕	Proposed Tee
⊙	Proposed Bend
⊕	Proposed Cap
⊕	Proposed Sleeve
⊕	Proposed Valve
⊕	Proposed Hydrant
⊕	Proposed Reducer
⊕	Proposed Cross
⊕	Proposed Storm Sewer
⊕	Proposed Sanitary Sewer
⊕	Proposed Watermain



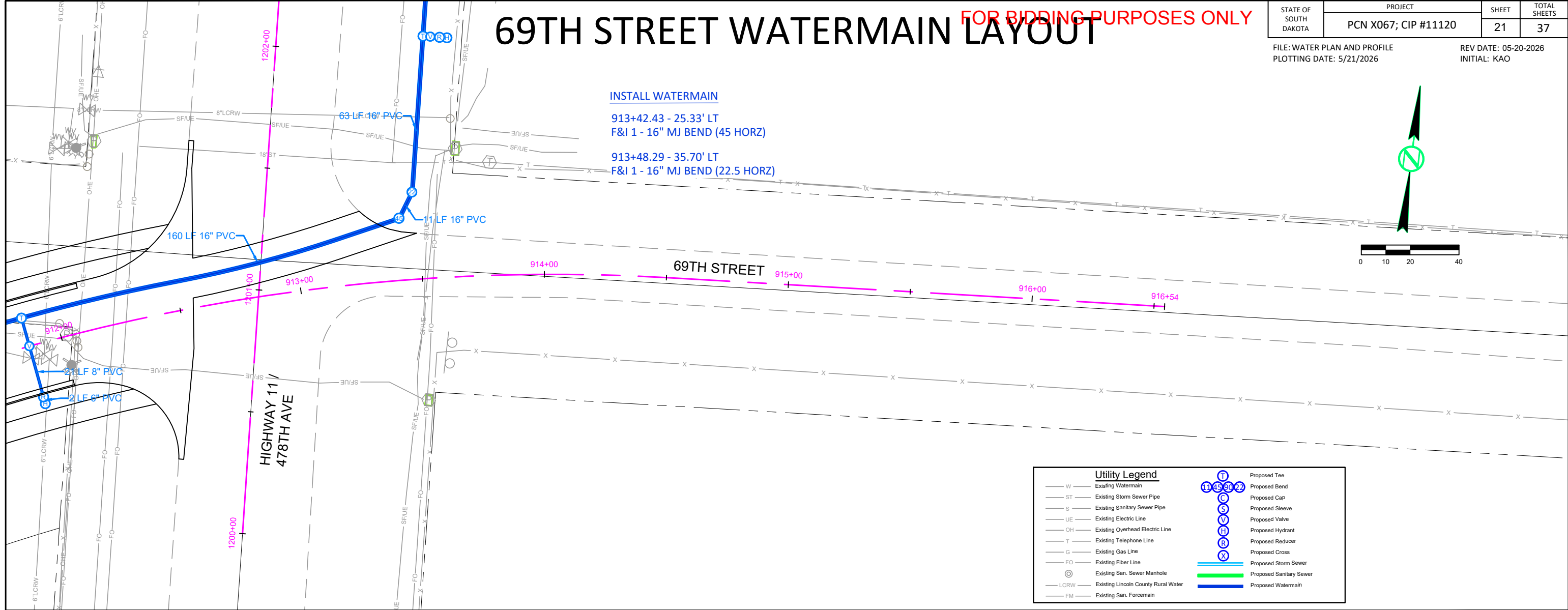
69TH STREET WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

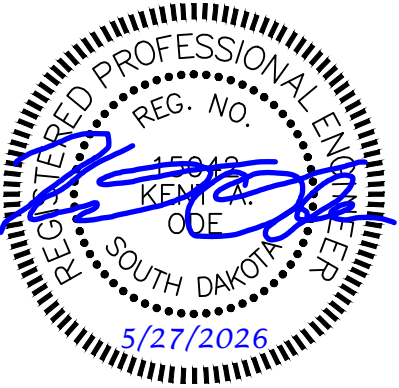
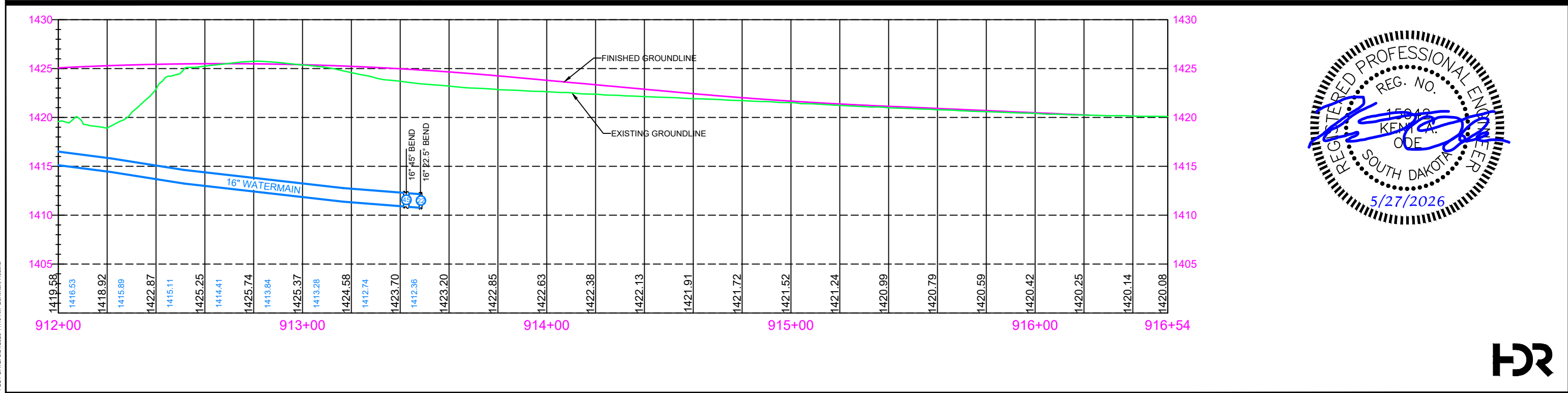
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	21	37

FILE: WATER PLAN AND PROFILE
PLOT DATE: 5/21/2026

REV DATE: 05-20-2026
INITIAL: KAO



Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LCRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
(11, 45, 22)	Proposed Tee
(C)	Proposed Bend
(S)	Proposed Cap
(V)	Proposed Sleeve
(H)	Proposed Valve
(R)	Proposed Hydrant
(X)	Proposed Reducer
(+)	Proposed Cross
(+)	Proposed Storm Sewer
(+)	Proposed Sanitary Sewer
(+)	Proposed Watermain



HIGHWAY 11 WATERMAIN LAYOUT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	22	37

FILE: WATER PLAN AND PROFILE
PLOT DATE: 5/21/2026

REV DATE: 05-20-2026
INITIAL: KAO

Utility Legend

- W Existing Watermain
- ST Existing Storm Sewer Pipe
- S Existing Sanitary Sewer Pipe
- UE Existing Electric Line
- OH Existing Overhead Electric Line
- T Existing Telephone Line
- G Existing Gas Line
- FO Existing Fiber Line
- Existing San. Sewer Manhole
- LICRW Existing Lincoln County Rural Water
- FM Existing San. Foremain

- Proposed Tee
- Proposed Bend
- Proposed Cap
- Proposed Sleeve
- Proposed Valve
- Proposed Hydrant
- Proposed Reducer
- Proposed Cross
- Proposed Storm Sewer
- Proposed Sanitary Sewer
- Proposed Watermain

INSTALL WATERMAIN

1202+08.23 - 59.85' RT

F&I 1 - 16"X8" MJ TEE

1202+08.29 - 62.85' RT

F&I 1 - 8" MJ VALVE W/BOX

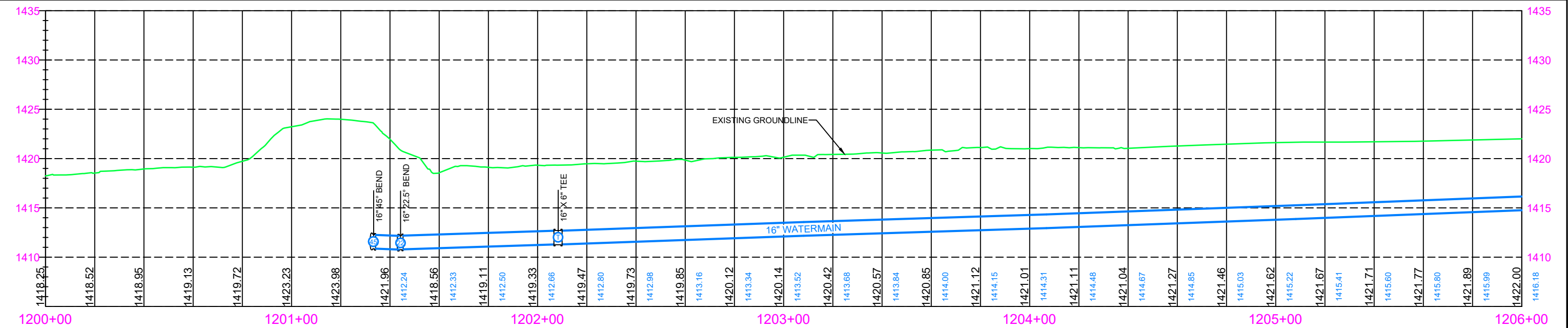
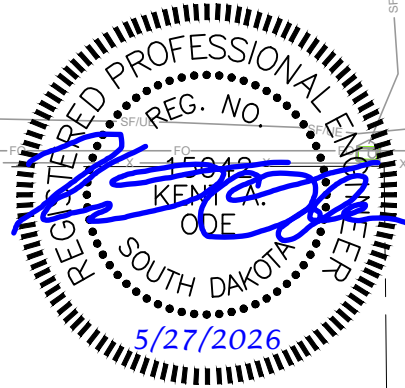
1202+08.28 - 66.15' RT

F&I 1 - 8"X6" MJ REDUCER

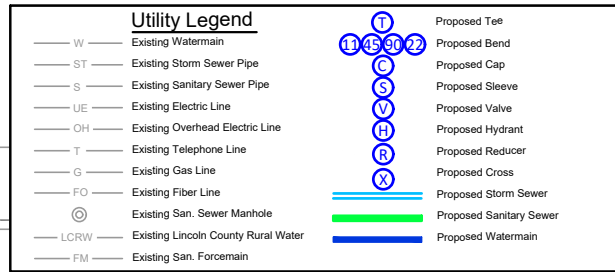
1202+08.22 - 69.77' RT

F&I 1 - STANDARD FIRE HYDRANT

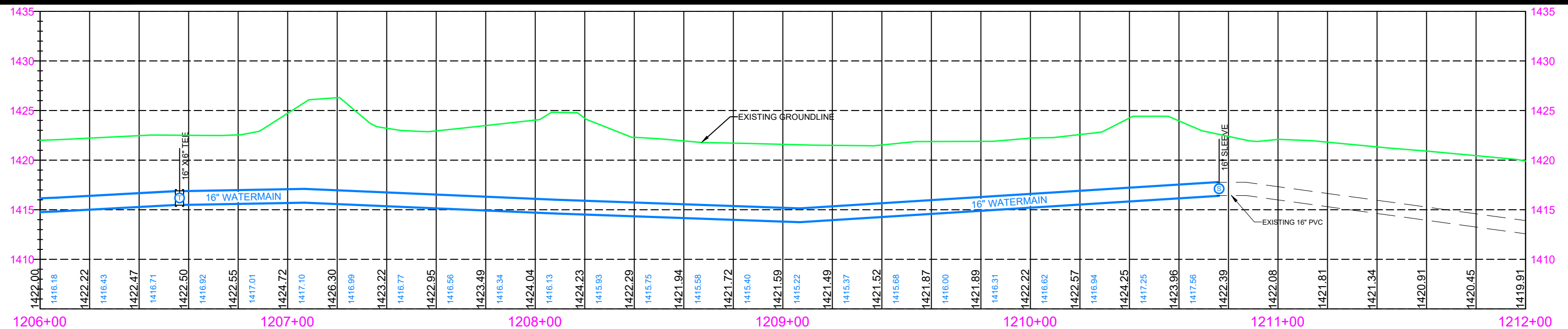
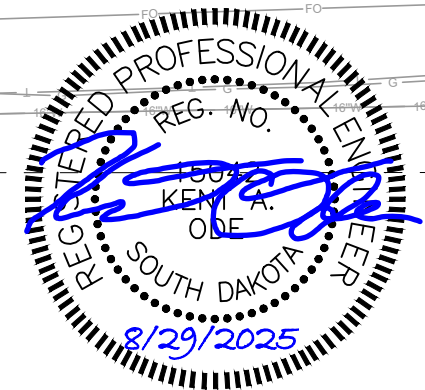
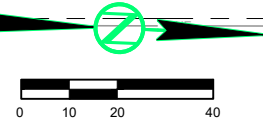
FINISHED GROUND EL: 1419.69



FILE: WATER PLAN AND PROFILE	REV DATE:
PLOTTING DATE: 5/13/2026	INITIAL:



HIGHWAY 11 /
478TH AVE



57TH STREET HYDRANT ADJUSTMENT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	24	37

FILE: WATER PLAN AND PROFILE
PLOT DATE: 5/13/2026

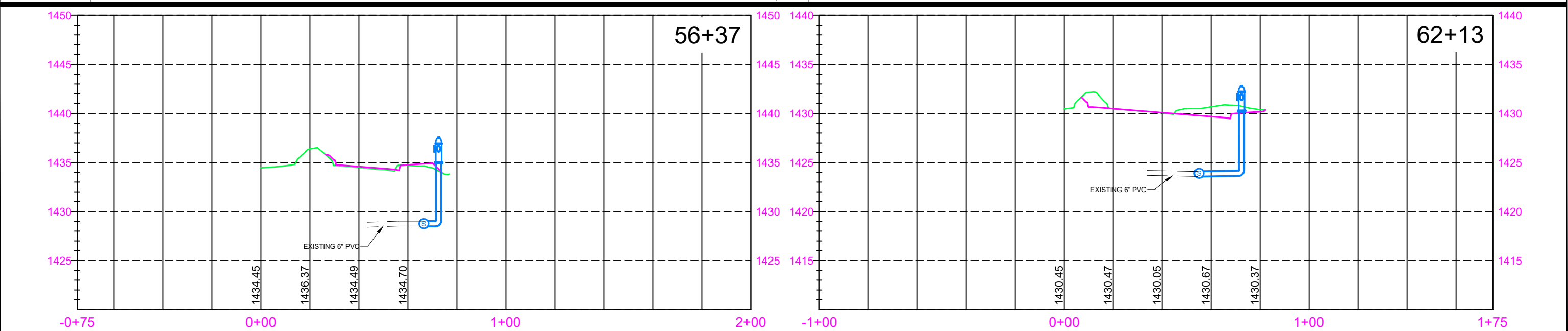
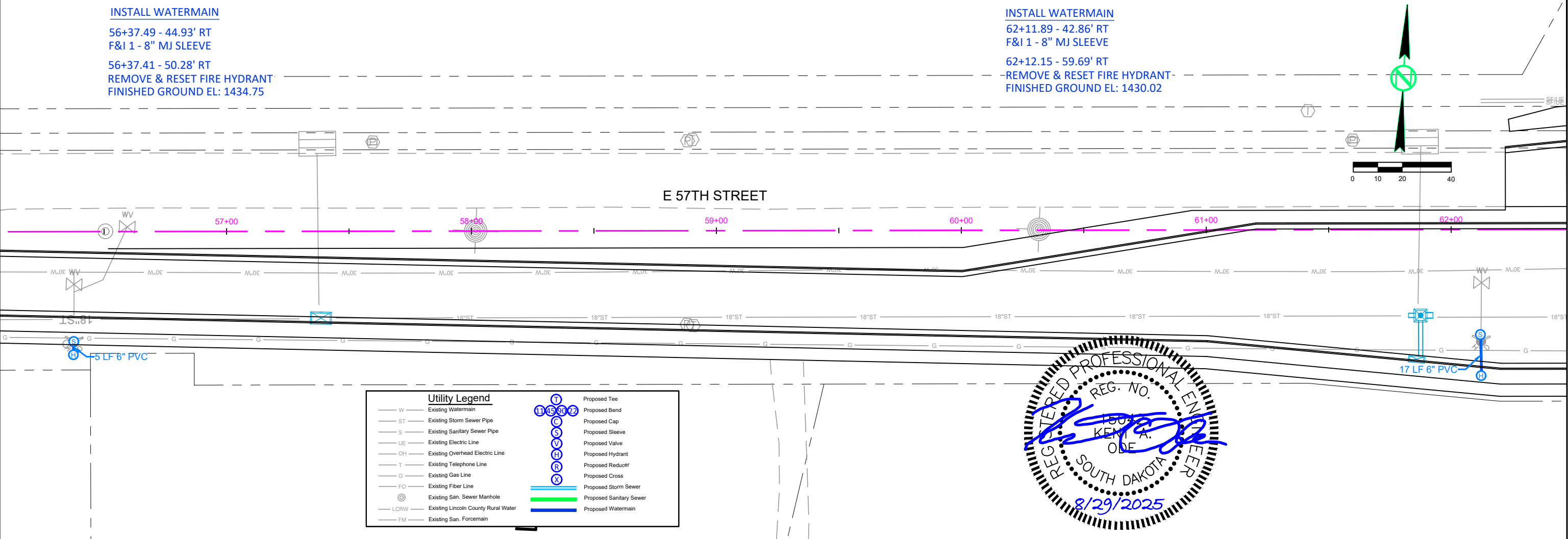
REV DATE:
INITIAL:

INSTALL WATERMAIN

56+37.49 - 44.93' RT
F&I 1 - 8" MJ SLEEVE
56+37.41 - 50.28' RT
REMOVE & RESET FIRE HYDRANT
FINISHED GROUND EL: 1434.75

INSTALL WATERMAIN

62+11.89 - 42.86' RT
F&I 1 - 8" MJ SLEEVE
62+12.15 - 59.69' RT
REMOVE & RESET FIRE HYDRANT
FINISHED GROUND EL: 1430.02



57TH STREET WATERMAIN ADJUSTMENT

FOR BIDDING PURPOSES ONLY

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN X067; CIP #11120	25	37

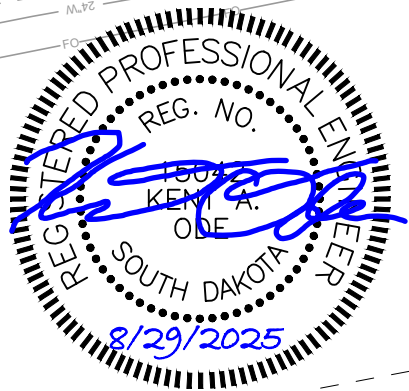
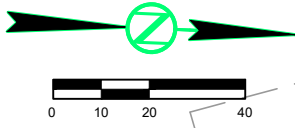
FILE: WATER PLAN AND PROFILE
PLOT DATE: 5/13/2026

REV DATE:
INITIAL:

Utility Legend	
W	Existing Watermain
ST	Existing Storm Sewer Pipe
S	Existing Sanitary Sewer Pipe
UE	Existing Electric Line
OH	Existing Overhead Electric Line
T	Existing Telephone Line
G	Existing Gas Line
FO	Existing Fiber Line
⊙	Existing San. Sewer Manhole
LGRW	Existing Lincoln County Rural Water
FM	Existing San. Forcemain
T	Proposed Tee
B	Proposed Bend
C	Proposed Cap
V	Proposed Valve
H	Proposed Hydrant
R	Proposed Reducer
X	Proposed Cross
---	Proposed Storm Sewer
---	Proposed Sanitary Sewer
---	Proposed Watermain

VETERANS PARKWAY

E 57TH STREET



44 LF 24" RESTRAINED DIP

INSTALL WATERMAIN
522+17.10 - 195.40' RT
F&I 1 - 24" MJ SLEEVE
522+23.15 - 194.66' RT
F&I 1 - 24" MJ 45 DEG BEND
522+33.91 - 193.76' RT
F&I 1 - 24" MJ 45 DEG BEND

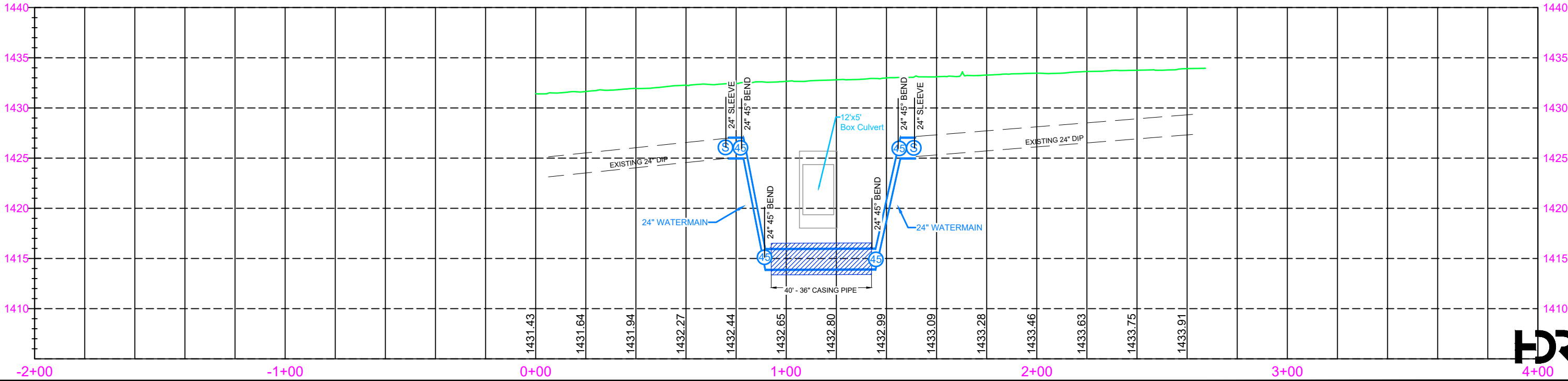
6 LF 24" RESTRAINED DIP

9 LF 24" RESTRAINED DIP

10 LF 24" RESTRAINED DIP

6 LF 24" RESTRAINED DIP

INSTALL WATERMAIN
522+72.80 - 190.26' RT
F&I 1 - 24" MJ 11 DEG BEND
522+86.17 - 188.97' RT
F&I 1 - 24" MJ 11 DEG BEND
522+91.55 - 188.38' RT
F&I 1 - 24" MJ SLEEVE



GENERAL NOTES:

- 1. SANITARY SEWER BASED ON VETERANS PARKWAY ROADWAY ALIGNMENT
- 2. SANITARY SEWER TO BE CONSTRUCTED BEFORE GRADING & STORM SEWER WORK
- 3. SEE TABLES FOR QUANTITIES AND LOCATIONS

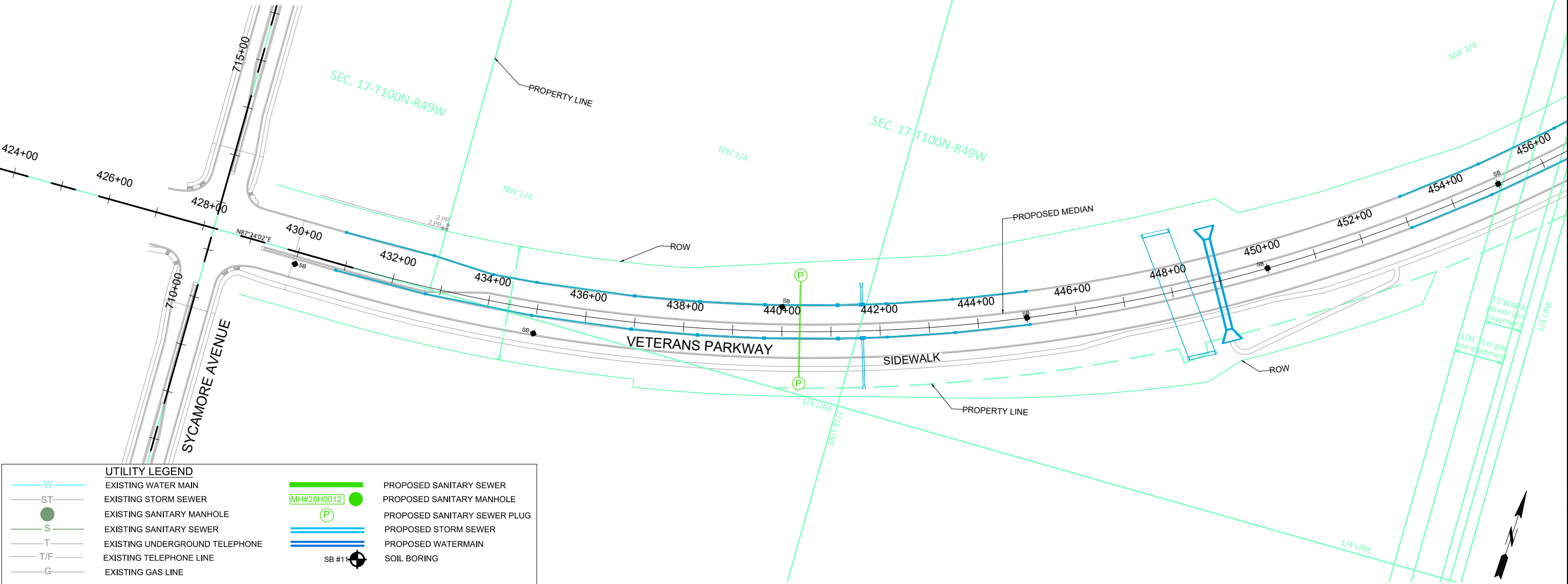
VETERANS PARKWAY SANITARY SEWER PIPE LAYOUT

FOR BIDDING PURPOSES ONLY

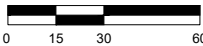
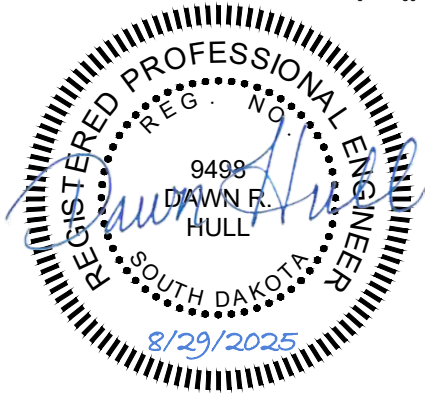
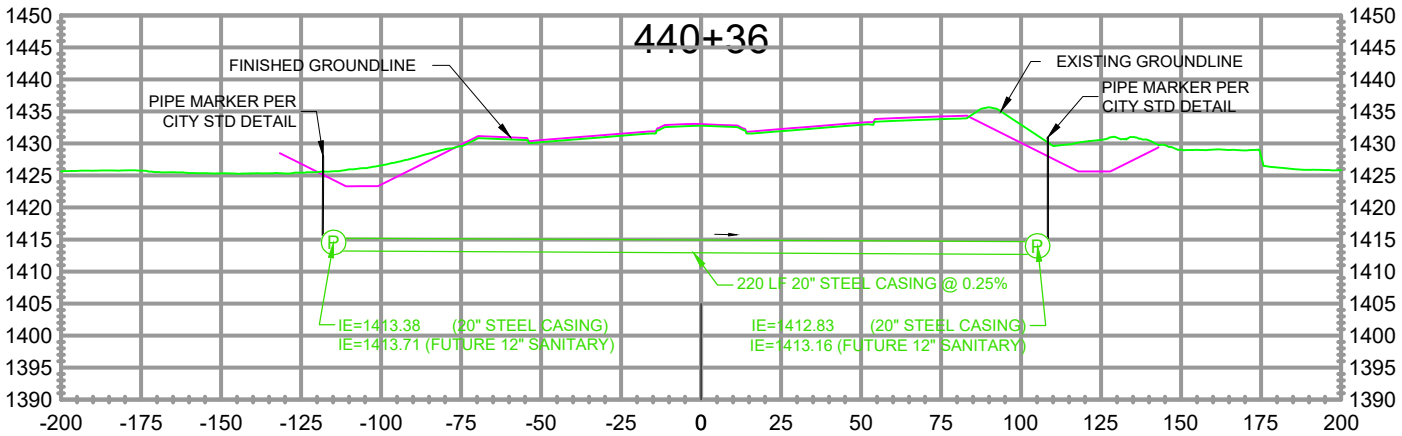
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	26	38

FILE: PLAN AND PROFILE
PLOTING DATE: 8/22/2025

REV DATE:
INITIAL:



UTILITY LEGEND		
	W	EXISTING WATER MAIN
	ST	EXISTING STORM SEWER
		EXISTING SANITARY MANHOLE
	S	EXISTING SANITARY SEWER
	T	EXISTING UNDERGROUND TELEPHONE
	T/F	EXISTING TELEPHONE LINE
	G	EXISTING GAS LINE
	OHE	EXISTING OVERHEAD ELECTRIC LINE
	UE	EXISTING UNDERGROUND ELECTRIC LINE
		PROPOSED SANITARY SEWER
	MH#28H0012	PROPOSED SANITARY MANHOLE
		PROPOSED SANITARY SEWER PLUG
		PROPOSED STORM SEWER
		PROPOSED WATERMAIN
	SB #11	SOIL BORING



GENERAL NOTES:

- 1. SANITARY SEWER BASED ON VETERANS PARKWAY ROADWAY ALIGNMENT
- 2. SANITARY SEWER TO BE CONSTRUCTED BEFORE GRADING & STORM SEWER WORK
- 3. SEE TABLES FOR QUANTITIES AND LOCATIONS

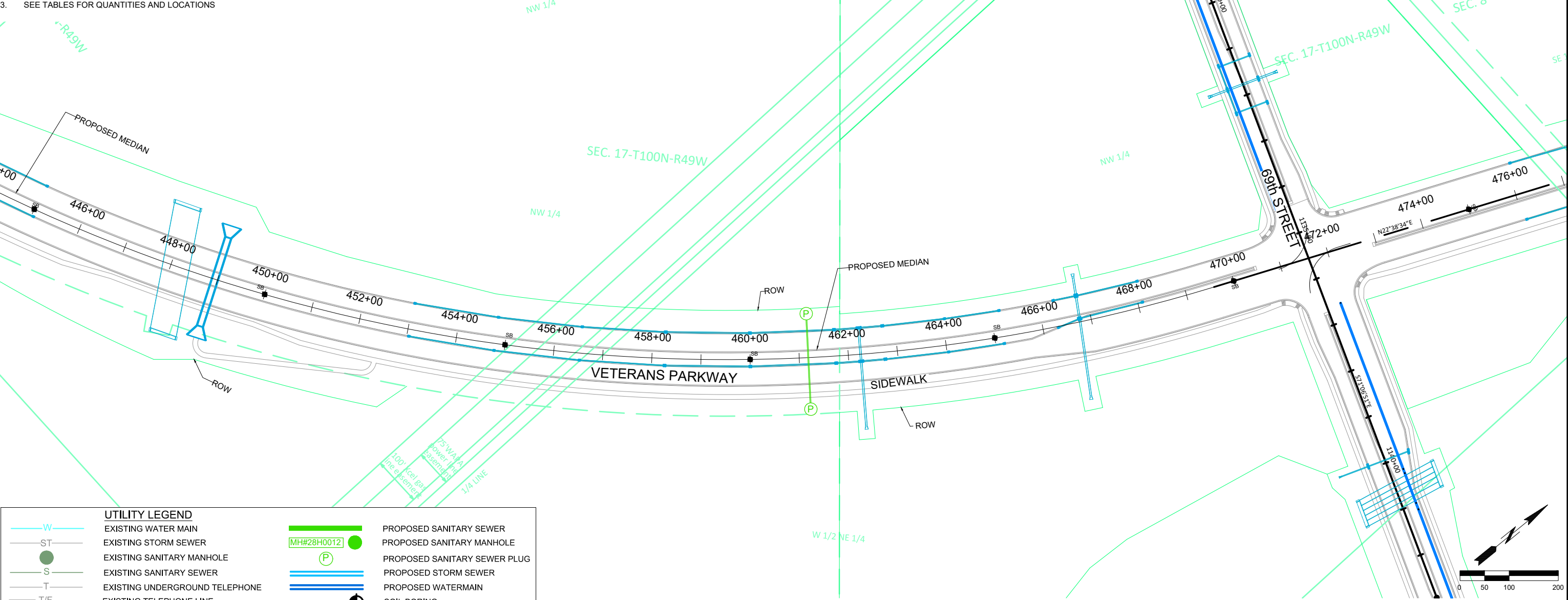
VETERANS PARKWAY SANITARY SEWER PIPE LAYOUT

FOR BIDDING PURPOSES ONLY

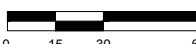
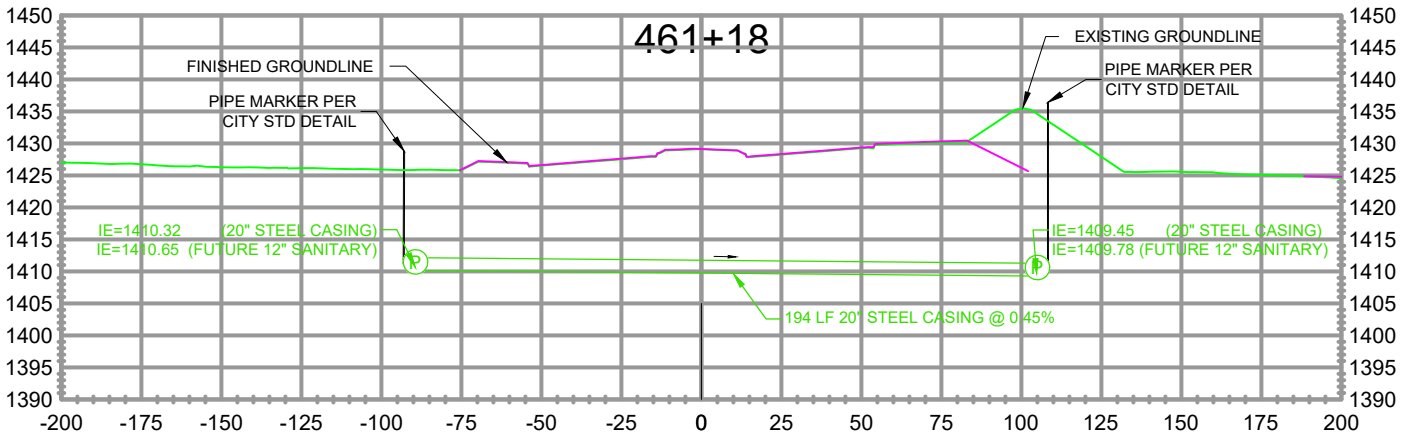
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	27	38

FILE: PLAN AND PROFILE
PLOTING DATE: 8/22/2025

REV DATE:
INITIAL:



UTILITY LEGEND	
—W—	EXISTING WATER MAIN
—ST—	EXISTING STORM SEWER
●	EXISTING SANITARY MANHOLE
—S—	EXISTING SANITARY SEWER
—T—	EXISTING UNDERGROUND TELEPHONE
—T/F—	EXISTING TELEPHONE LINE
—G—	EXISTING GAS LINE
—OHE—	EXISTING OVERHEAD ELECTRIC LINE
—UE—	EXISTING UNDERGROUND ELECTRIC LINE
—MH#28H0012—	PROPOSED SANITARY MANHOLE
—P—	PROPOSED SANITARY SEWER PLUG
—S—	PROPOSED STORM SEWER
—W—	PROPOSED WATERMAIN
SB #11	SOIL BORING



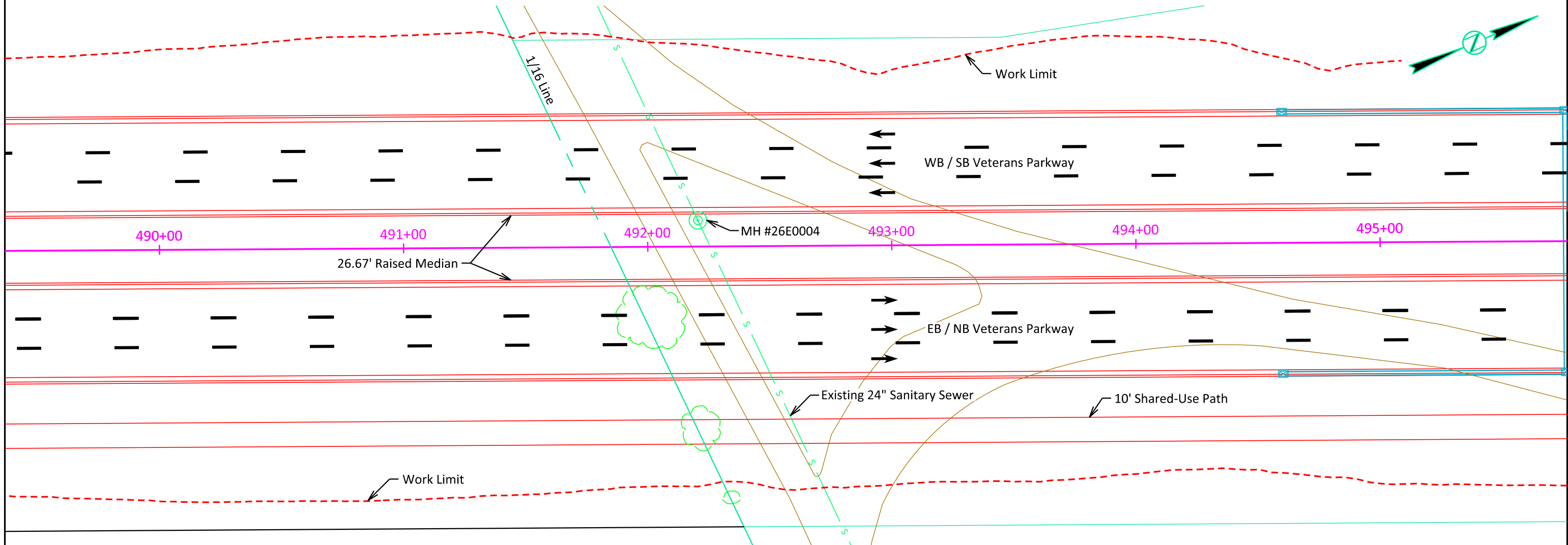
SANITARY SEWER MANHOLE RECONSTRUCTION

FOR BIDDING PURPOSES ONLY

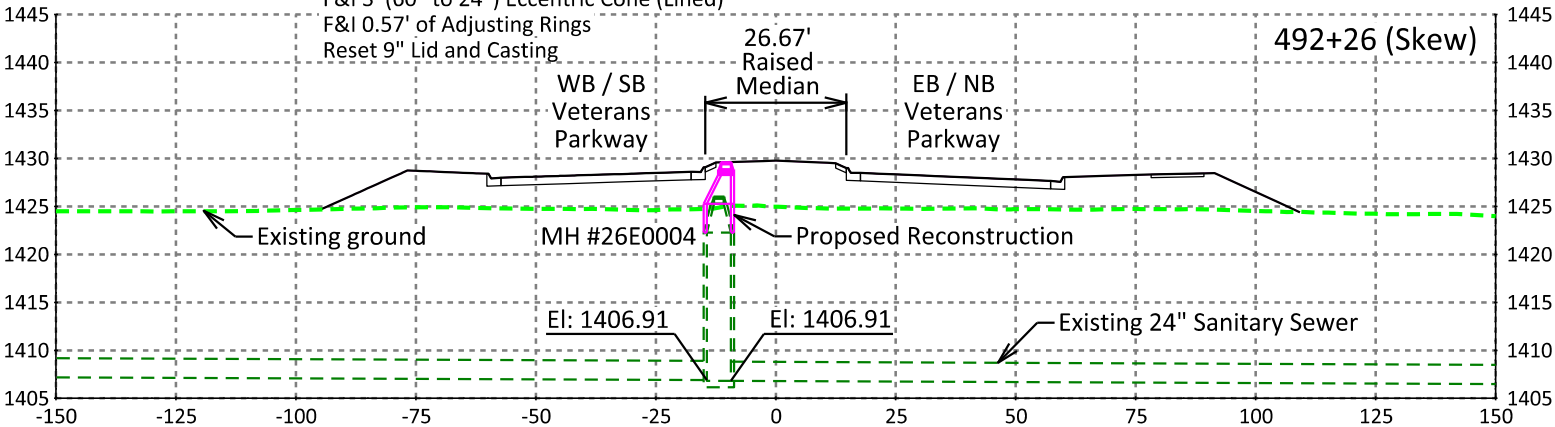
STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	27	37

FILE: ...San Sewer at 492+26.dgn
PLOTING DATE: 06-16-2025

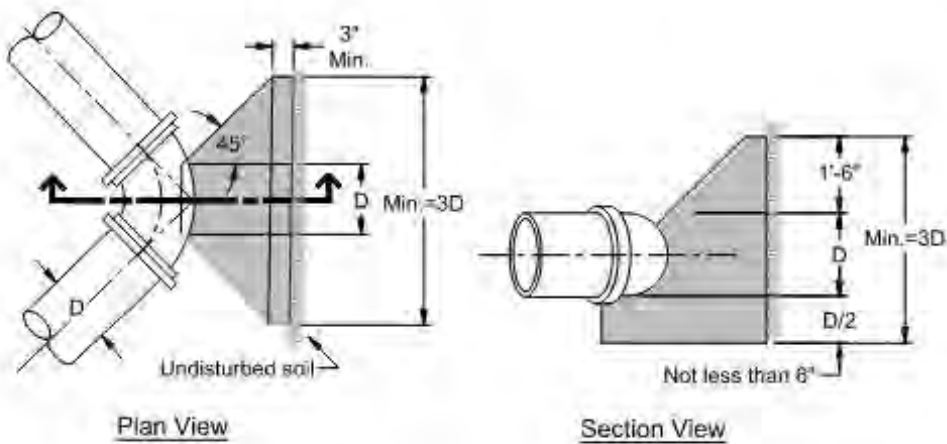
REV DATE:
INITIAL:



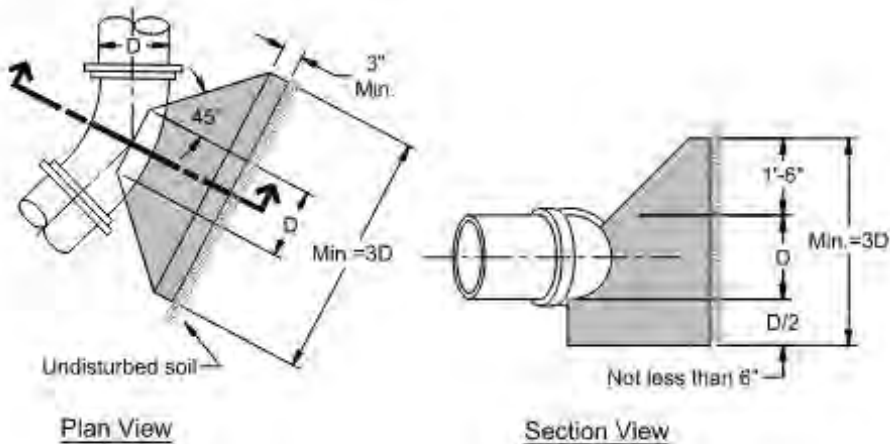
MH #26E0004
Existing 60" Lined Manhole
E. Rim Elev: 1426.02
P. Rim Elev: 1429.59
Remove 9" Lid and Casting for reset
Remove 3' Cone Section
F&I 3' (60") Lined Barrel Section
F&I 3' (60" to 24") Eccentric Cone (Lined)
F&I 0.57' of Adjusting Rings
Reset 9" Lid and Casting



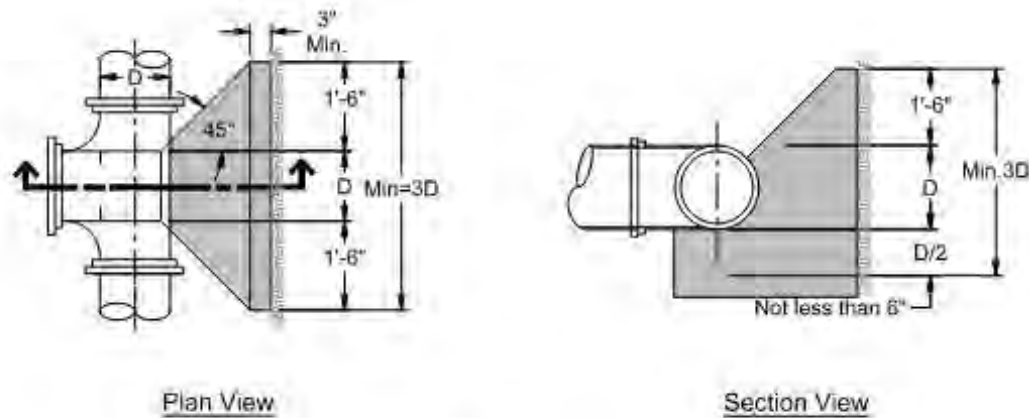
Concrete Thrust Blocks



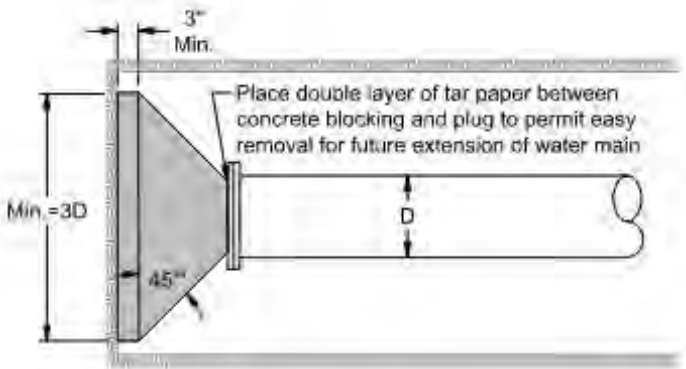
90 - Degree Bend



11 1/4 - Degree, 22 1/2 - Degree and 45 - Degree Bends



Tee



S.J./M.J. Plug

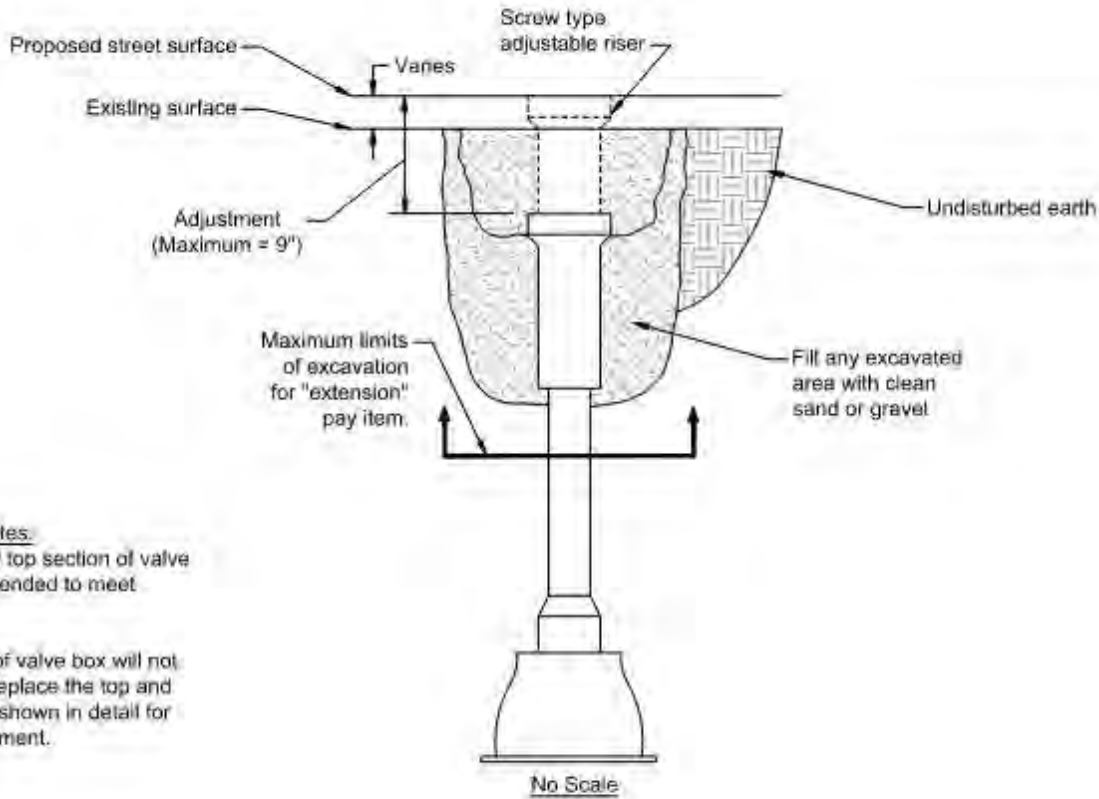
Revised: December 2020

Concrete Thrust Blocks		
 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Specification Reference No. 900	Plate Number 900.01

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP 11120	30	38

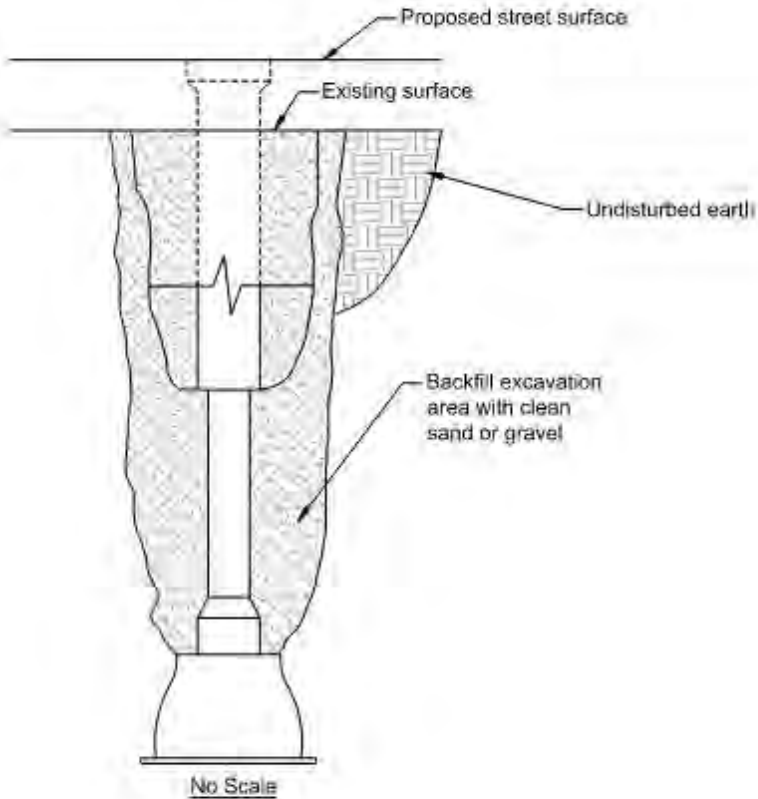
Plotting Date: 8/25/2025

Valve Box Extension
(or replacement of top section)



- Valve Box Extension Notes:**
1. Use this method if top section of valve box cannot be extended to meet proposed grade.
 2. If the top section of valve box will not accept the riser, replace the top and center section as shown in detail for valve box replacement.

Valve Box Installation



- General Notes:**
1. Non-threaded adjustments will not be allowed.
 2. Plumb valve box prior to backfilling. All valve boxes shall be adjusted to be flush with the pavement surface prior to placement of the pavement surfacing. The allowable vertical tolerance between the pavement surface and any part of the valve box shall be 0" to $\frac{1}{2}$ " low. In no case shall the valve box be above the surface of the pavement.
 3. It shall be the contractor's responsibility to provide a system to prevent material from entering the valve box during the work.
 4. All adjustments shall be completed prior to opening up the street to traffic.

Revised: December 2020

Valve Box Installation and Extension



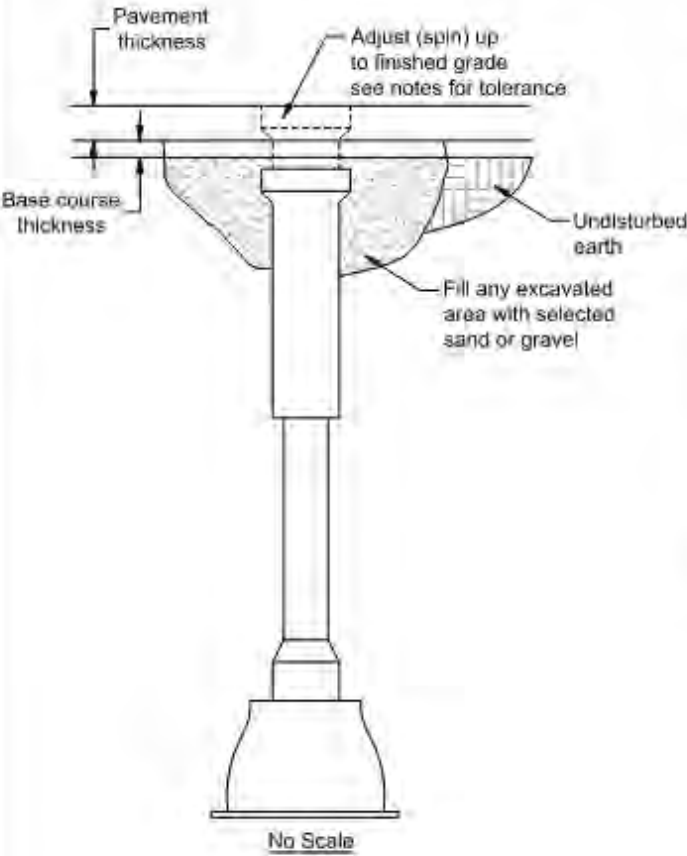
CITY OF SIOUX FALLS
PUBLIC WORKS
Providing a Better Quality of Life for You!

Specification
Reference
No. 900

Plate
Number
900.02

Valve Box Adjustment

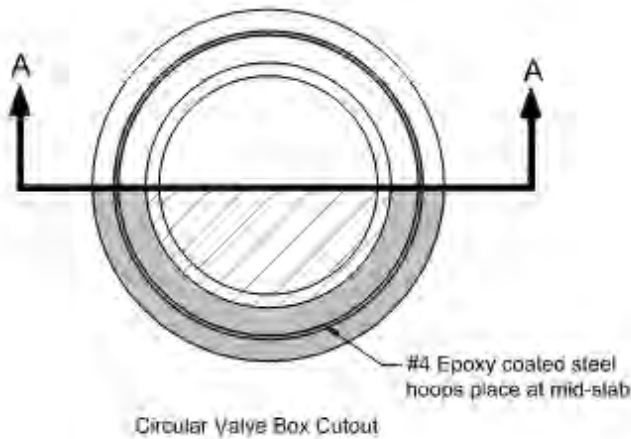
Spin Up Method



Spin Up Method:

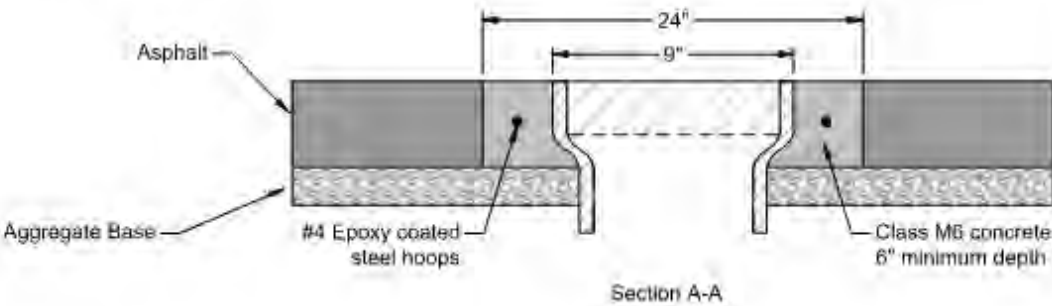
1. Use this method if top section of valve box can be adjusted to finished grade.
2. If the 0" to 1/2" tolerance cannot be met by the "spin up" method on asphalt streets, then the contractor shall be required to adjust the valve box by the circular cutout method. This additional work, if required, shall be incidental to the "valve box adjustment" bid item.
3. If the 0" to 1/2" tolerance can not be met by the "spin up" method on concrete streets, the repair method will be determined by the engineer. This additional work shall be incidental to the "valve box adjustment" bid item.
4. If the valve box needs minor adjustment, a minimal amount of heat can be applied to break the bond between the valve box and the asphalt. Full depth heating of the asphalt will not be allowed. If the asphalt appears to show signs of deterioration, it will be at the discretion of the engineer to require the cut out method.

Cutout Method



Cut Out Method:

1. The circular concrete cutout shall be centered on the valve box frame.
2. The circular concrete cutout shall be constructed after the installation of the top lift of asphalt. The pavement shall be sawed full depth with a vertical face. The contractor shall ensure that the adjacent asphalt surface is left intact and undamaged when removing the circular cutout.
3. The circular concrete cutout diameter shall be 24".
4. Apply tack coat to the vertical asphalt surfaces prior to placement of concrete cutout.
5. Class M6 concrete shall be used for the cutout. Fast track concrete may be used at the discretion of the engineer.
6. Steel reinforcing shall be epoxy coated grade #4.
7. Steel reinforcing shall consist of #4 hoops (variable length) supported by approved chairs.
8. Maintain a minimum of 2" clearance on all steel reinforcing.
9. All work associated with constructing the circular concrete cutout, including, but not limited to: all materials, sawing, steel reinforcing, chairs, concrete, labor, tools, removal and replacement, excavation and backfilling and other appurtenances shall be incidental to the "valve box adjustment" bid item.



General Notes:

1. Non-threaded adjustments will not be allowed.
2. Plumb valve box prior to backfilling. All valve boxes shall be adjusted to be flush with the pavement surface prior to placement of the pavement surfacing. The allowable vertical tolerance between the pavement surface and any part of the valve box shall be 0" to 3/8" low. In no case shall the valve box be above the surface of the pavement.
3. It shall be the contractor's responsibility to provide a system to prevent material from entering the valve box during the work.
4. All adjustments shall be completed prior to opening up the street to traffic.

Revised: December 2020

Valve Box Adjustment



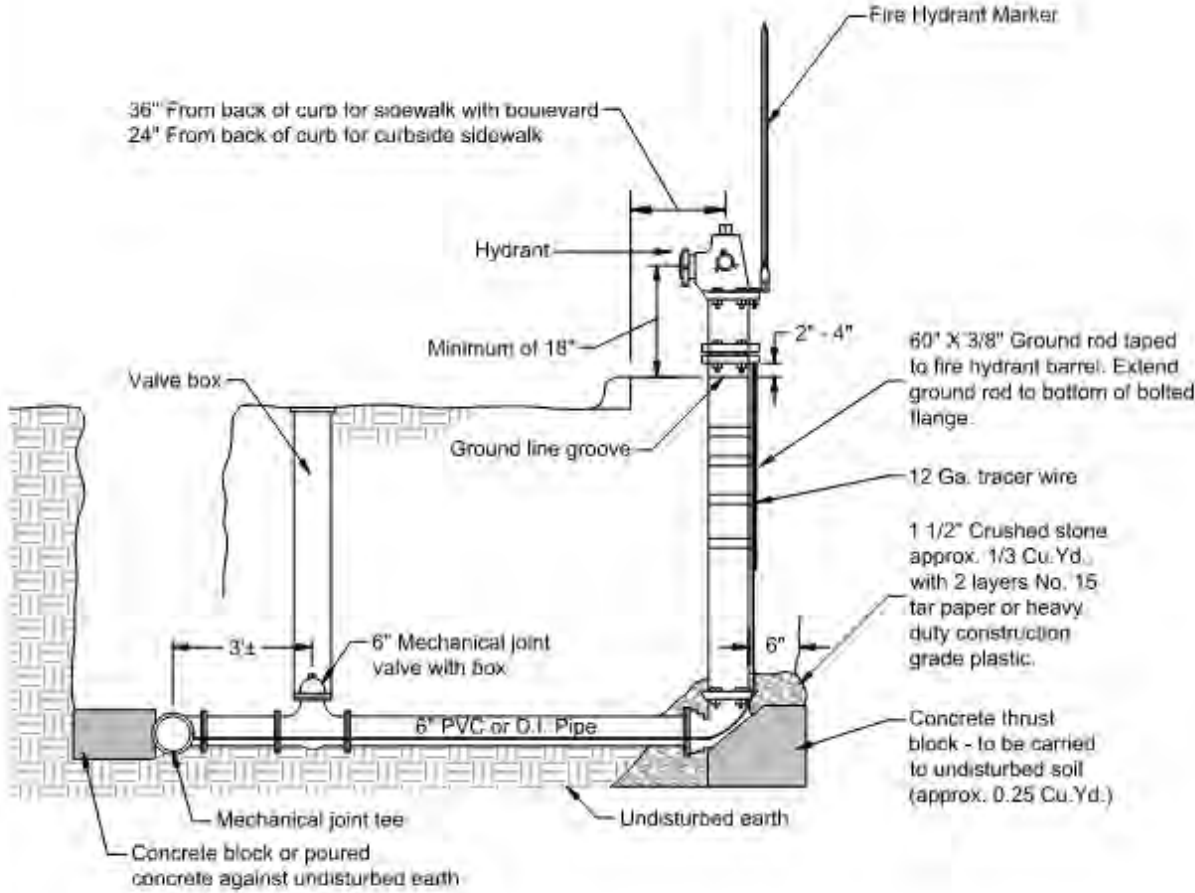
Specification
Reference
No. 900

Plate
Number
900.03

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP 11120	32	38

Plotting Date: 8/25/2025

Hydrant Connection



- General Notes:
1. Hydrant grade to be shown on plans.
 2. Valve on fire hydrant lateral shall be restrained.
 3. All exposed pipe joints shall be restrained on hydrant lateral.
 4. Install V-bio polywrap on fire hydrant barrel to the ground surface before installing tracer wire system. Do not cover weep holes with polywrap.

Revised: December 2020

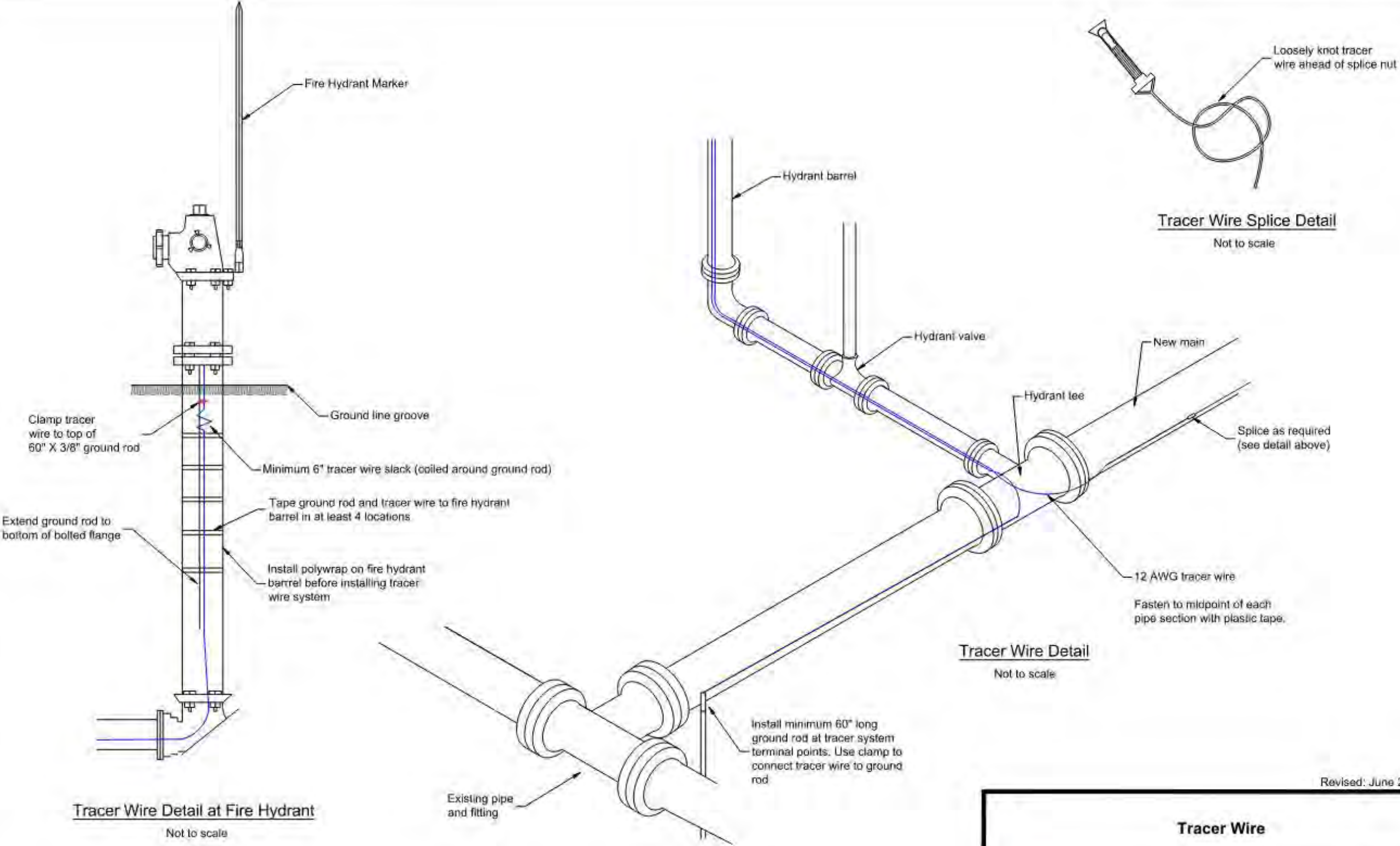


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Hydrant Connection

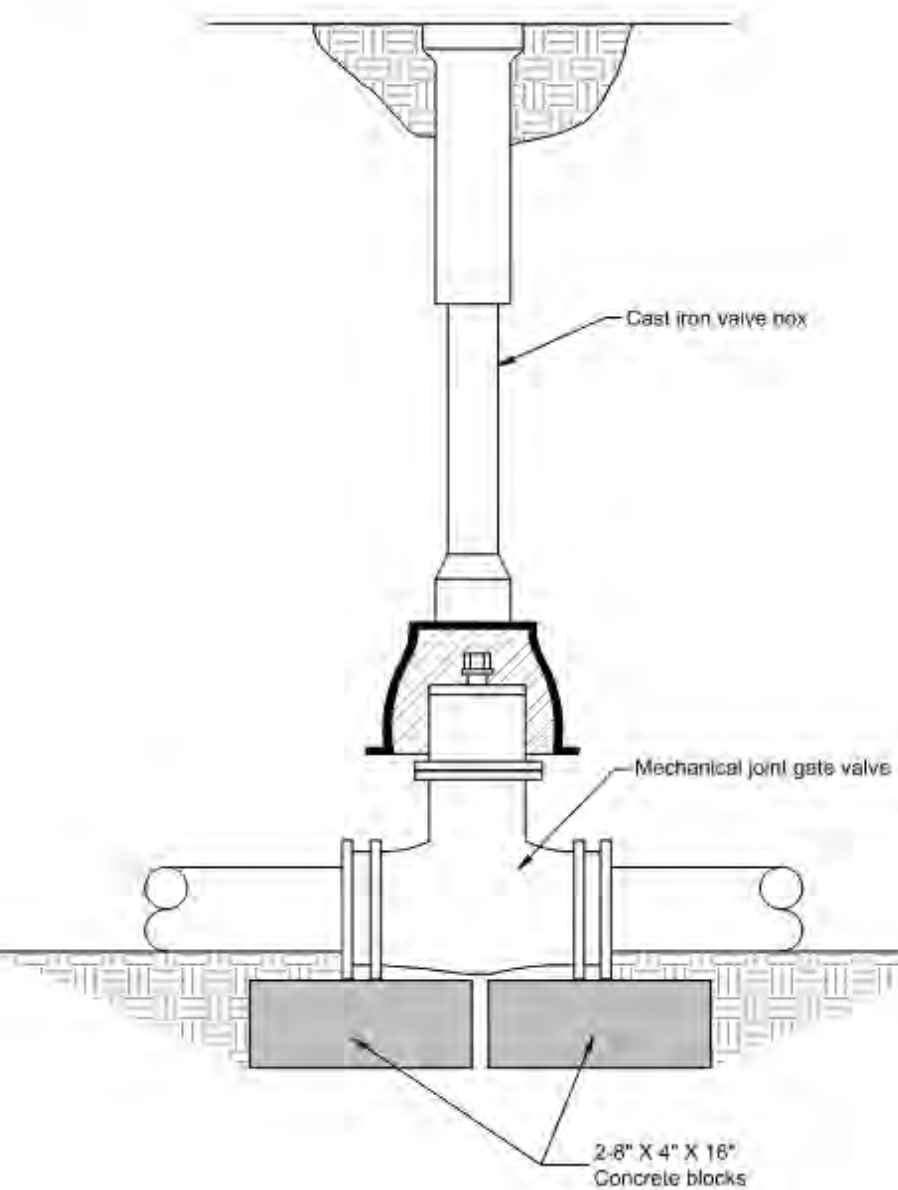
Specification
Reference
No. 900

Plate
Number
900.06



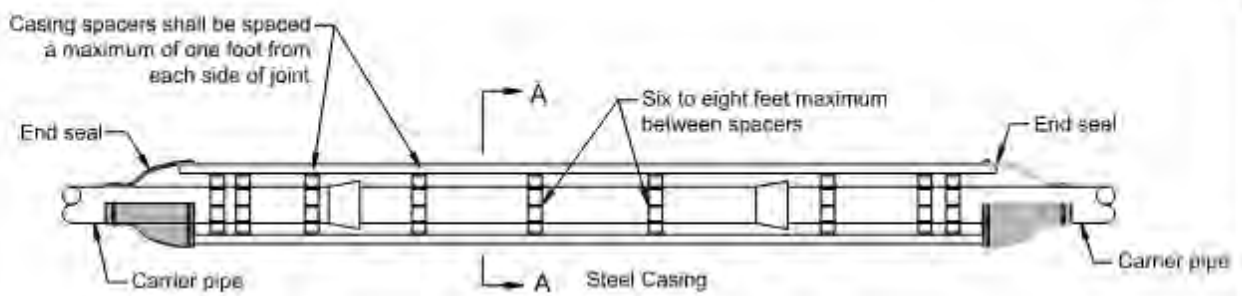
Revised: June 2025

Tracer Wire		
 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You	Specification Reference No. 900	Plate Number 900.07



PVC Gate Valve Installation
Not to scale

Revised: January 1999



Elevation

Casing spacers and end seals shall be manufactured by Advanced Products and Systems, Inc. P.O. Box 60399 Lafayette, LA. 70596-0399 or equal and meet these requirements.

Casing Spacers - Model SSI-8 (Pipe sizes 24 inches in diameter and smaller) or Model SSI-12-2 (pipe sizes 30 inches in diameter and greater) with T-304 stainless steel spacer.
Band - 10 Gauge T-304 stainless steel.
Riser - 10 Gauge T-304 stainless steel.

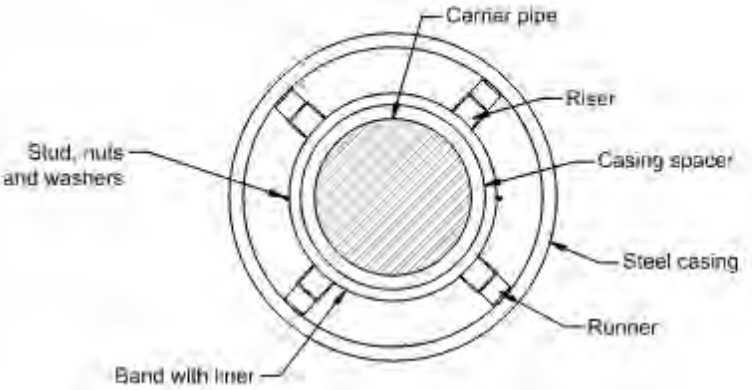
Runners - Two inch wide minimum glass reinforced plastic. The number of risers shall be as recommended by the manufacturer, but four is the minimum.

Studs, Nuts and Washers - T-304 stainless steel.

Heights - As required for center restraining

End Seals - Conical shaped wrap-around 1/8 inch rubber with T-304 stainless steel straps

Casing pipe must conform to ASTM A53 grade B minimum yield strength of 35,000 pounds per square inch



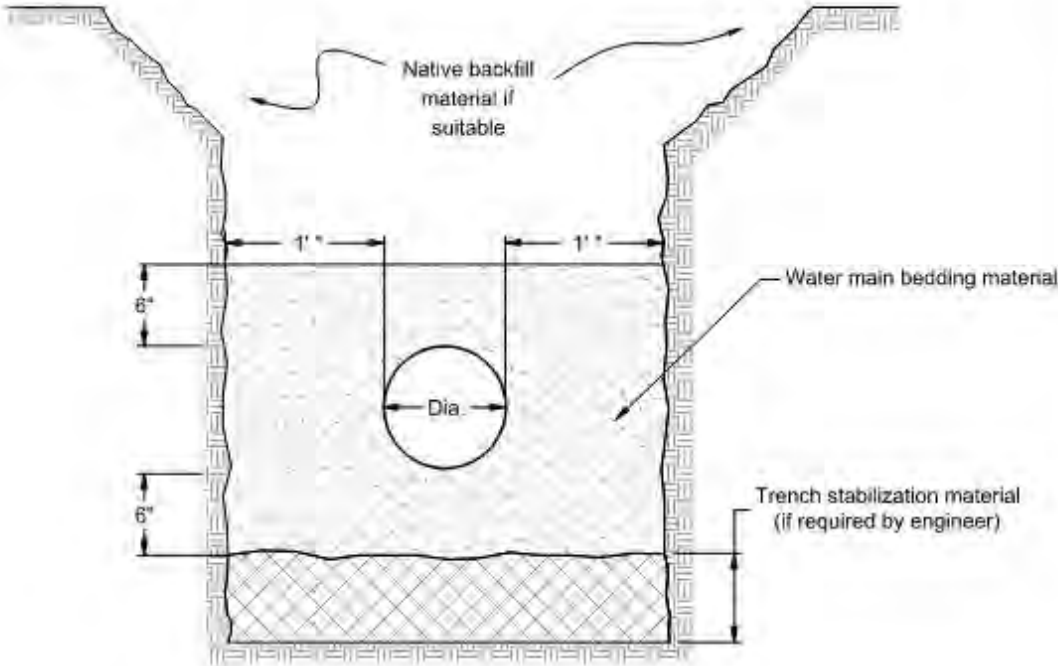
Section A-A

Pipe Size	Casing Size
4"	10"
6"	12"
8"	16"
10"	18"
12"	20"
16"	24"
20"	30"
24"	36"
30"	42"
>36"	-

*As recommended by manufacturer

Revised: December 2020

Water Main Bedding

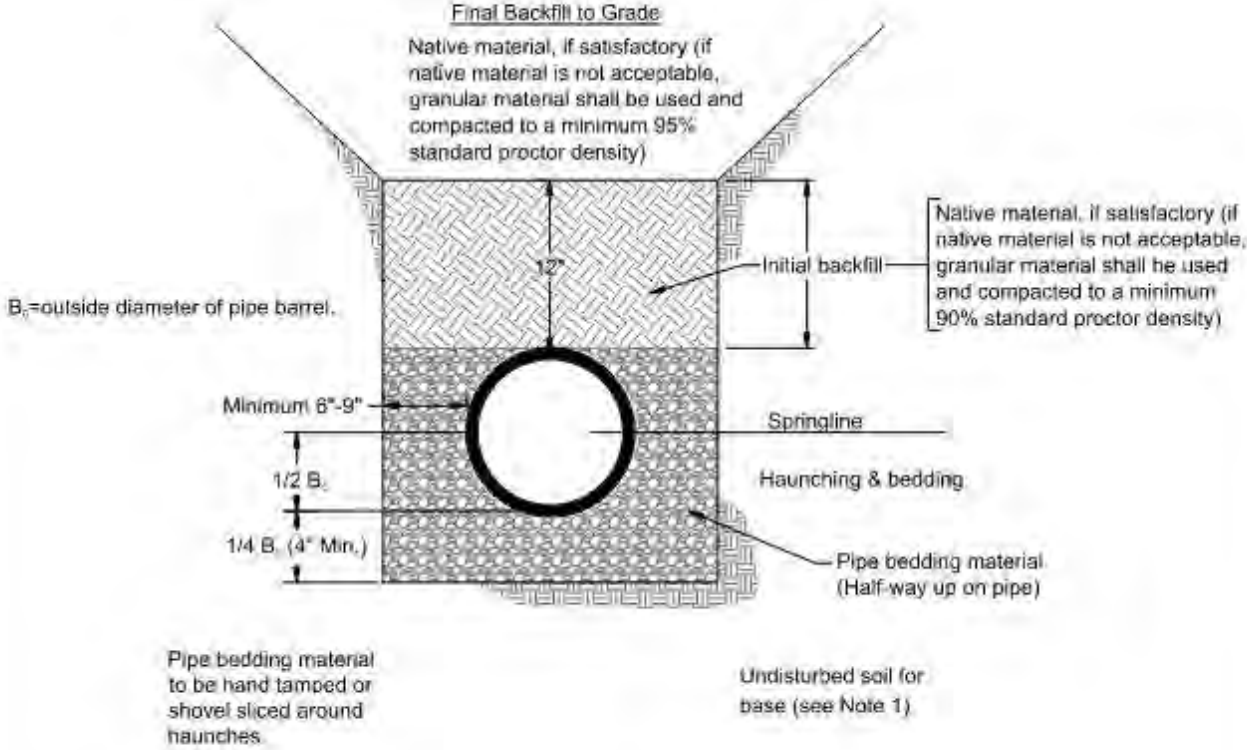


Pipe Size Diameter	Trench Width	Trench Height	Trench Area	Pipe Area	Water Main Bedding Mat. Area	Water Main Bedding Mat. Tons/LF
4"	28"	16"	3.11 Sq.Ft.	.09 Sq.Ft.	3.02 Sq.Ft.	0.21
6"	30"	18"	3.75 Sq.Ft.	.20 Sq.Ft.	3.55 Sq.Ft.	0.25
8"	32"	20"	4.44 Sq.Ft.	.35 Sq.Ft.	4.10 Sq.Ft.	0.29
10"	34"	22"	5.19 Sq.Ft.	.55 Sq.Ft.	4.65 Sq.Ft.	0.33
12"	36"	24"	6.00 Sq.Ft.	.79 Sq.Ft.	5.22 Sq.Ft.	0.37
16"	40"	28"	7.78 Sq.Ft.	1.40 Sq.Ft.	6.38 Sq.Ft.	0.45
20"	44"	32"	9.78 Sq.Ft.	2.18 Sq.Ft.	7.60 Sq.Ft.	0.53
24"	48"	36"	12.00 Sq.Ft.	3.14 Sq.Ft.	8.86 Sq.Ft.	0.62
30"	60"	42"	17.50 Sq.Ft.	4.91 Sq.Ft.	12.59 Sq.Ft.	0.88

* If >30" use dia./2 on each side of water main pipe.

* Length based on one (1) foot of main.

Revised: December 2020



Note:

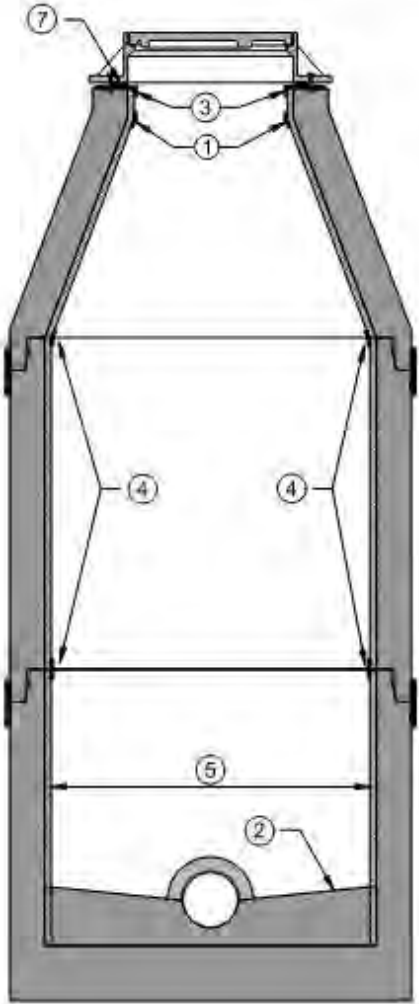
1. If base is unstable, trench shall be undercut and stabilized with trench stabilization material. Specifications as per manufacturer's recommendations and A.S.T.M. C12.
2. Bedding Material

95% Passing 3/4" sieve
95% Retained #4 sieve

(Clean angular, well-graded, crushed rock.)
3. The required bedding material under the bottom of the pipe shall be installed prior to pipe installation.

Revised: September 2020

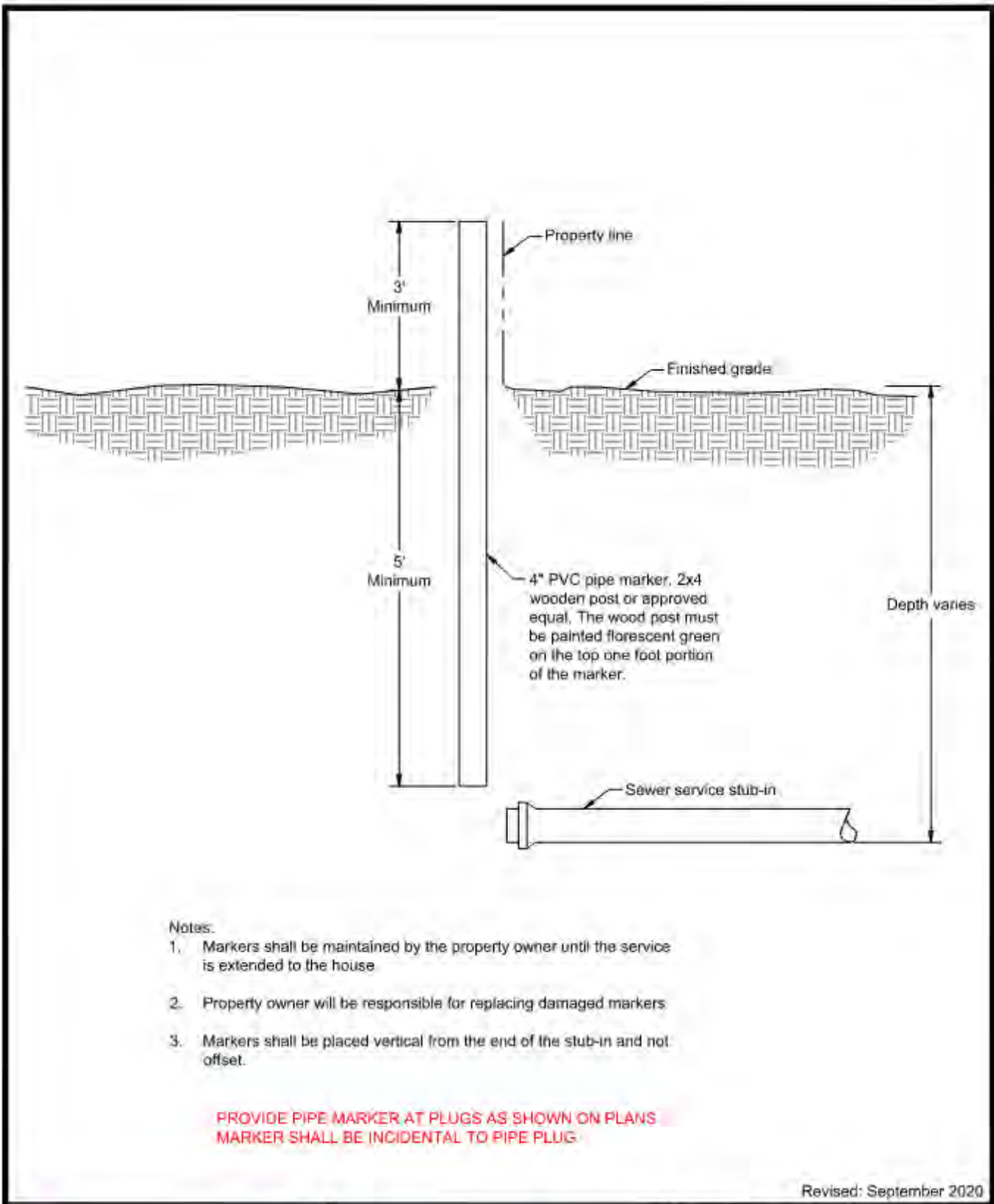
 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Bedding and Backfill Requirements For 14" to 60" Sanitary Sewer Pipe	Specification Reference	Plate Number
		No. 950	950.02



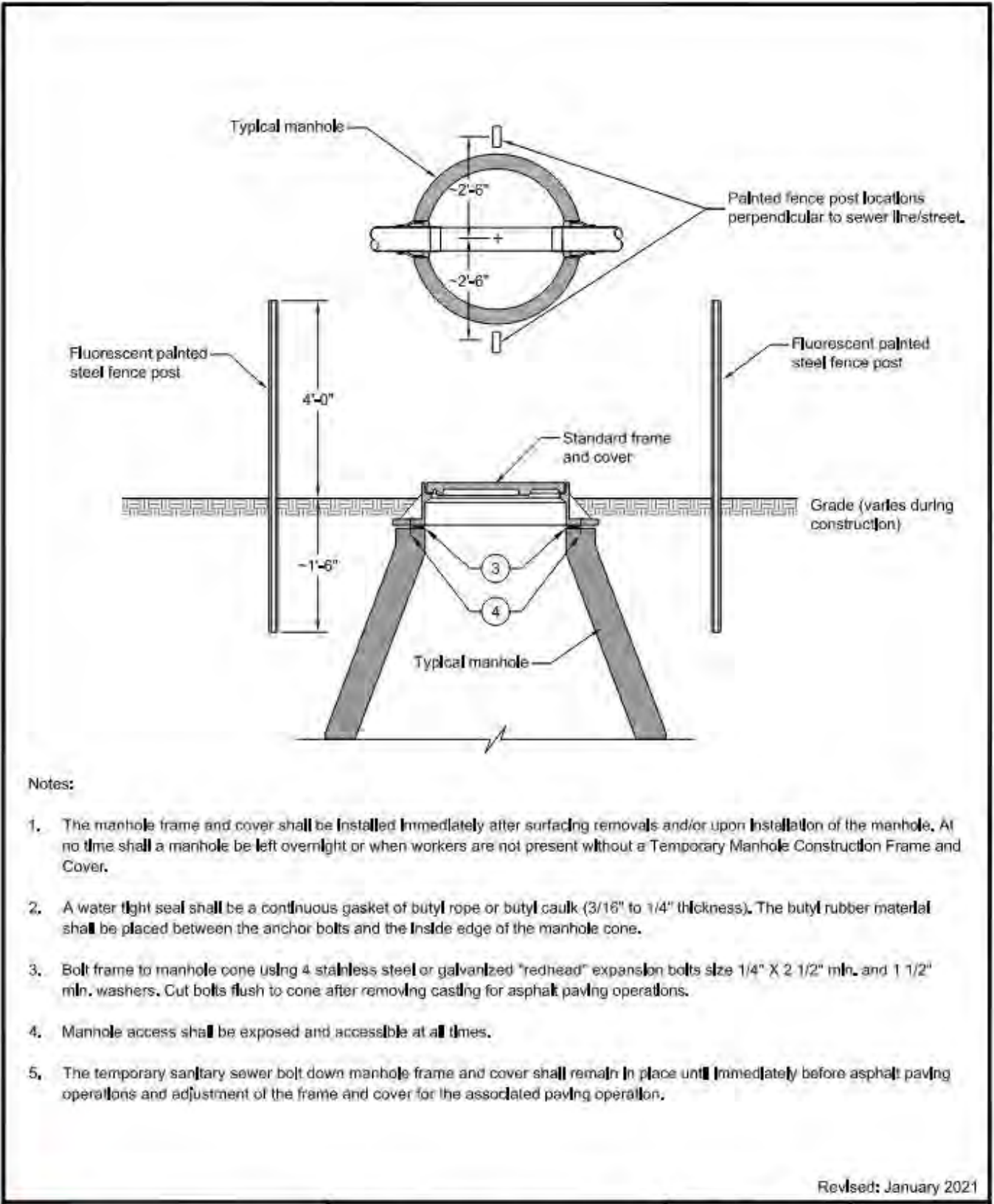
- ① Preformed corner weld strip or weld to be installed
- ② Pre-formed bench and invert. Epoxy coat bench and invert on manholes with lines 18" or greater per specifications.
- ③ Install pre-cut turnback cap on corbel section.
- ④ Weld all horizontal and vertical joints on the interior of the manhole. Weld strips are required when gap is greater than 1/2 inch.
- ⑤ All concrete surfaces, except the inverts, which will be exposed to sewer gases shall be lined. This includes all concrete pipe surfaces if concrete pipe is used.
- ⑥ Installation of the manhole liner shall conform to the requirements of the supplemental specifications.
- ⑦ Adjustment rings installed per specifications.
- ⑧ All manholes with influent or effluent 10 inches or greater shall be lined with HDPE or an approved equal liner material. All structures located within 400' of 18" diameter or greater trunkline shall also be lined.

Revised: September 2020

 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Sanitary Sewer Manhole Lined Type	Specification Reference	Plate Number
		No. 950	950.04



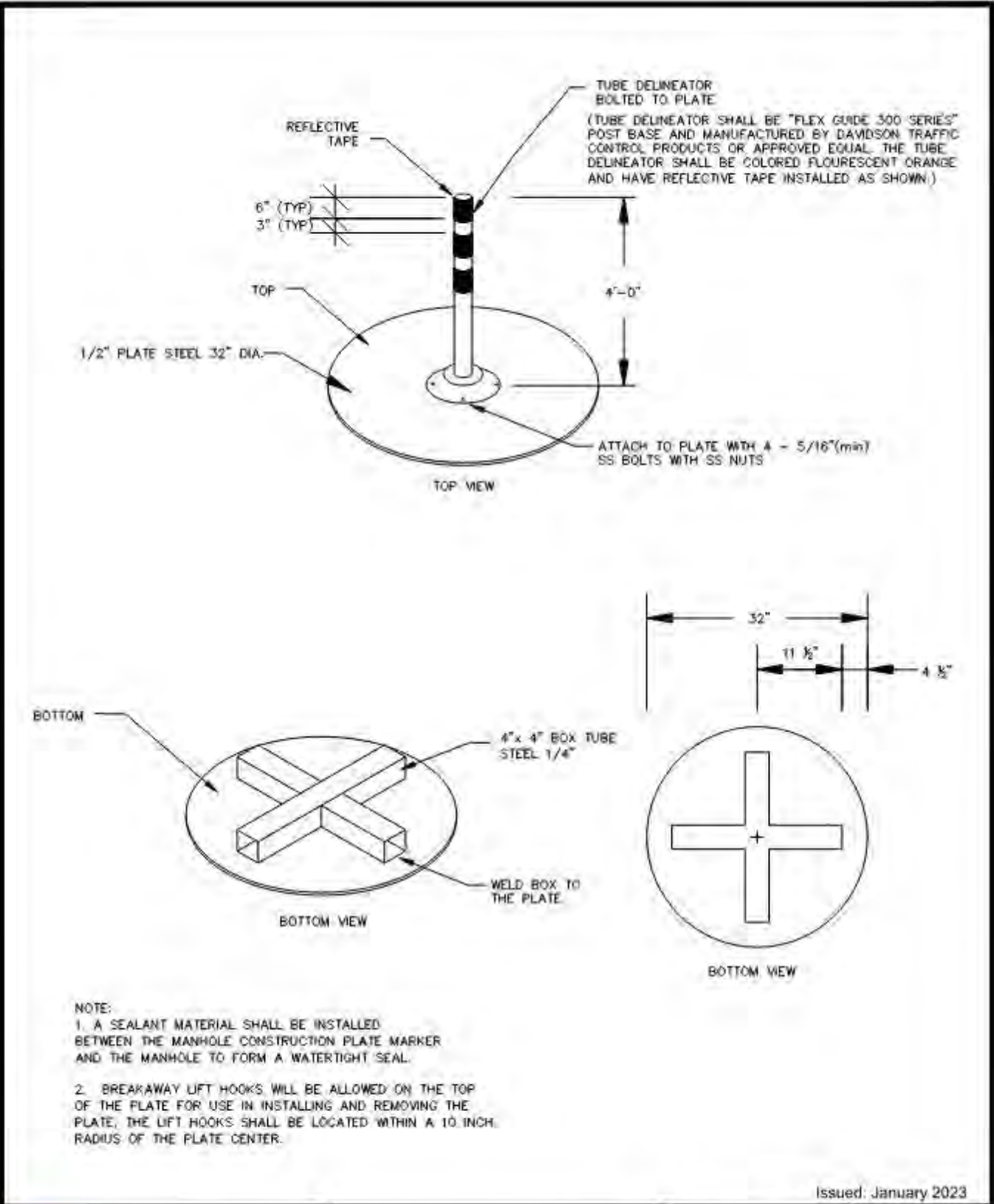
 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Sanitary Sewer Service Stub-in Marker Detail	Specification Reference No. 950	Plate Number 950.14
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 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Temporary Manhole Construction Frame and Cover	Specification Reference No. 950	Plate Number 950.22
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STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PCN 06XY; CIP #11120	38	38

Plotting Date: 8/25/2025



 CITY OF SIOUX FALLS PUBLIC WORKS Providing a Better Quality of Life for You!	Temporary Manhole Construction Plate Marker	Specification Reference	Plate Number
		No. 950	950.22 SP