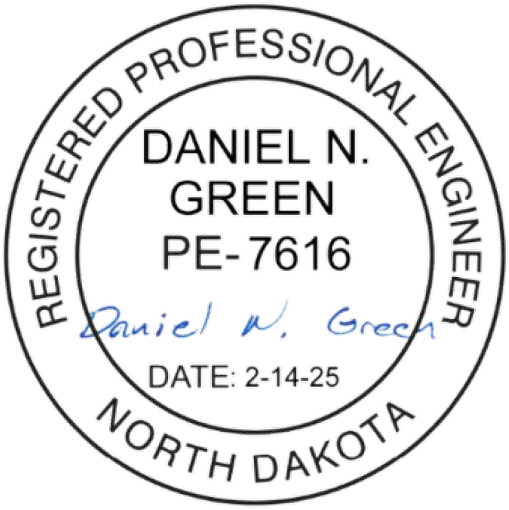
Dunn County, North Dakota
BW-18619.021
ADDENDUM NO. 5
2/14/2025

The following modifications/clarifications shall be made:

Plan Sheets:

Replace the plan sheets listed below with attached sheets. Summary of changes:

- **Section 6 Sheet 1**: Revised note 714-P01
- **Section 51 Sheet 1**: Revised Allowable Pipe Table for allowable materials



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Revised 2/7/2025 Revised 2/14/2025	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	BW-18619.021	6	1

NOTES

100-P01 **COORDINATION OF PROJECTS:** 3rd St SW is being constructed immediately adjacent to this project. Coordinate construction activities with Dunn County, the Engineer in the field, and adjacent contractors.

105-P01 **UTILITIES:** The vertical and horizontal locations shown in the plans are approximate. Plan locations should not be interpreted as exact for bidding or construction purposes.

105-P02 **UTILITIES:** Notify all utility owners of the project schedule as specified in Section 105.03, "Cooperation with Utility Owners".

Coordinate and perform construction activities in a manner that accommodates the utility coordination requirements included in the Special Provision in their existing locations. Utility companies may require a representative be present at the time of construction. It is the contractor's responsibility to facilitate coordination at the time of construction.

It is the contractor's responsibility to protect all utilities within the construction limits.

105-P03 **UTILITIES**: Contractor will coordinate the location of all pipelines that cross the project. Use a hydrovac truck along the length of the entire utility crossing. A qualified representative from each pipeline must be present during the hydrovac excavation. Additional fill material may be required during construction to obtain adequate cover over pipelines or by other means indicated by the pipeline utility to allow construction equipment to pass over these locations. Follow all respective utility standards when working in the vicinity of the utility. Include costs for this work in item bid "Common Excavation – Type C".

108-P01 **WEEKLY PLANNING MEETING:** Hold a weekly on-site meeting to update Dunn County, the Engineer in the field, utility companies, and any other interested parties on upcoming activities & sequencing for the project.

201-P01 **CLEARING AND GRUBBING:** Clearing and grubbing includes the removal and disposal of trees (all sizes), shrubs, stumps, roots, brush, signs and supports, and other surface objects from the excavation and embankment areas along this project. Additional trees may need to be removed adjacent to the construction limits at the Engineer's request.

202-P01 **REMOVAL OF END SECTIONS:** The removal of end sections shall be included in the bid price or "Removal of Culverts – All Types and Sizes"

202-P02 **REMOVAL OF PIPES:** Salvage all pipes removed that are in good condition as determined by the engineer in the field and deliver to Dunn County Highway Department in Killdeer, ND. Include costs for salvaging and transporting removed pipe and end sections in the bid price for "Removal of Culverts – All Types & Sizes".

203-P01 **AVERAGE HAUL:** No average haul has been computed for this project.

203-P02 **SHRINKAGE:** Thirty percent (30%) additional volume is included for shrinkage in earth embankment.

203-P03 **COMMON EXCAVATION – TYPE C:** Backslope rounding is required on the cut sections. Include in the bid price for "Common Excavation – Type C".

Complete the finish grading work around the existing facilities that are in the construction area. Level earth mounds, etc. that remain around the facilities. Install ditch blocks, as needed, per the Engineer's request, if field conditions merit. Include this work in the bid price for "Common Excavation – Type C".

A quantity of water has been included in the project for use during earthwork. Use the water during earthwork operations to ensure a stable, compacted embankment through the project corridor.

203-P04 **COMMON EXCAVATION - SUBCUT:** 500 CY of "Common Excavation – Subcut" is included to be used at the Engineer's discretion. Construction requirements are outlined in Section 203.04 E, with the exception that replacement material may consist of native soil in lieu of subcut aggregate and the material will not be tested, if the Engineer determines aggregate material is required.

203-P05 **COMMON EXCAVATION – WASTE:** Any waste will be placed at the direction of the Engineer along the project. Include all costs for placing waste in the price bid for "Common Excavation Type C."

251-P01 **SEEDING CLASS II:** Use the following seed mix for "Seeding Class II" (amounts are measured in lbs. of pure live seed per acre): Alfalfa – 9, Western Wheatgrass – 4, Intermediate Wheatgrass – 5, Slender Wheatgrass – 2, Oats – 32; Total - 52

302-P01 **AGGREGATE SURFACE COURSE:** Salvage the existing gravel surfacing from the road surface and use as temporary traffic surfacing until Aggregate Surface Course Class 13 can be placed. Include all cost associated with this in the price bid for "Common Excavation – Type C".

302-P02 **AGGREGATE SOURCES:** Section 106.02D of the Standard Specifications will not be enforced.

704-P01 **TRAFFIC CONTROL:** Make the embankment through the project traversable with 4:1 slopes or flatter the same day it is placed/removed, or provide 24 hour flagging at the contractor's expense. Traffic needs to be maintained in large cut and fill areas, the road needs to stay open at all times.

704-P02 **TRAFFIC CONTROL FOR CONSTRUCTION OPERATIONS:** Traffic control for construction operations consists of a temporary road closure. Traffic Control Devices will comply with the following Standard Drawings:

D704-	7, 8, 9, 11, 13, and 14 are applicable
D704-15	Layout Type A: for a one lane closure for culvert work
D704-22	Layout K and L: for construction trucks hauling material
D704-26	Layouts BB, EE: where the conditions exist

The required traffic control signs and devices are included in the "Traffic Control Devices List" and will be measured and paid for at the Contract Unit price for each device. Additional devices are the Contractor's responsibility.

714-P01 **PIPE CONDUIT:** Use Aluminized Type II culverts installed to manufacturer's recommendations for all centerline and section line culverts. Use Galvanized or Aluminized Type II culverts installed to manufacturer's recommendations for all field drive & private drive locations. Include pipe bedding, whether foundation fill or suitable backfill material as determined by the engineer, in the price bid for Pipe Conduit.

720-P01 **MONUMENTS:** Coordinate with the Engineer to ensure all public land corners are properly documented and referenced before disturbing the area immediately around the corners. The Engineer is responsible for resetting all public land corners

752-P01 **FENCE:** Coordinate with Dunn County Highway Department for fencing requirements and details. Allow the fencing contractor 2-3 weeks to remove existing fence and
install temporary fence to allow construction to proceed.

752-P02 **FENCE:** Do not disturb the decorative fence along the project from Sta 148+38 to Sta 167+00.

754-P01 **SIGNS:** Remove & salvage the decorative signs at Sta 148+38 and Sta 160+63. Coordinate with the landowner on where to reset the signs. Include the cost to remove and place these signs in the price bid for other items.

Revised	2/7/2025	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
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Begin Station / Location	Begin Offset	End Station / Location	End Offset	Pipe Installation (Pay Item)			Allowable Material	Required Diameter	Steel Pipe Coatings	Steel Pipe Corrugations or Spiral Ribs	Steel Pipe Minimum Thickness	(*) End Sections		Applicable Backfill
				In	Bid Item	LF		In	Type		In	Begin EA	End EA	
13+00	40' Lt	13+00	51' Rt	24	Pipe Conduit	91	Corrugated Steel Pipe	24	A	2	0.064	FES	FES	Standard D-714-28[1]
18+56	36'.3 Lt	19+17	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
18+56	36.3' Rt	19+17	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
20+71	36.3 Rt	21+43	36.3' Rt	24	Pipe Conduit - Approach	73	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
22+40	23" Lt	22+40	24' Rt	24	Pipe Conduit	47	Corrugated Steel Pipe	24	A	2	0.064	FES	FES	Standard D-714-28[1]
31+02	36.3' Rt	31+63	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
38+40	23' Lt	38+20	23' Rt	24	Pipe Conduit	46	Corrugated Steel Pipe	24	A	2	0.064	FES	FES	Standard D-714-28[1]
39+08	36.3' Lt	39+69	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
40+99	39.5 Rt	41+70	40.7' Rt	24	Pipe Conduit - Approach	75	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
46+00	25' Lt	46+00	50' Rt	24	Pipe Conduit	75	Corrugated Steel Pipe	24	A	2	0.064	FES	FES	Standard D-714-28[1]
49+35	36.3' Lt	49+96	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
49+35	36.3' Rt	49+96	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
51+51	36.3' Lt	52+20	36.3' Lt	24	Pipe Conduit - Approach	75	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
54+40	28' Lt	54+40	31' Rt	36	Pipe Conduit	59	Corrugated Steel Pipe	36	A	2	0.064	FES	FES	Standard D-714-28[1]
59+16	36.3' Lt	59+96	36.3' Lt	24	Pipe Conduit - Approach	80	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
106+11	34.3' Lt	106+31	34.3' Lt	24	Pipe Conduit - Approach	20	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
106+60	36.3' Lt	107+21	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
107+87	36.3' Rt	108+62	36.3' Rt	24	Pipe Conduit - Approach	76	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
127+63	36.3' Rt	128+24	33' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
128+18	36.3' Lt	128+98	36.3' Lt	24	Pipe Conduit - Approach	80	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
128+97	36.3' Rt	129+58	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
137+25	36.3' Lt	137+86	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
137+25	36.3' Rt	137+86	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
148+82	36.3' Lt	149+43	36.3' Lt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
148+82	36.3 Rt	149+43	36.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A
154+00	24' Lt	154+00	37' Rt	24	Pipe Conduit	61	Corrugated Steel Pipe	24	A	2	0.064	FES	FES	Standard D-714-28[1]
160+46.5	32.3' Rt	160+93.5	32.3' Rt	24	Pipe Conduit - Approach	61	Corrugated Steel Pipe	24	Z, A	2	0.064	FES	FES	Specification 714.04 A

Corrugations: **2** = 2-2/3"x1/2"
3 = 3"x1"
5 = 5"x1"

Coatings: **Z** = Zinc
A = Aluminum

Spiral Ribs: **3/4** = 3/4"x3/4"@7-1/2"
1 = 3/4"x1"@11-1/2"

[1] Replace bedding detail with detail on Sec 30 Sht 1
(*) End sections are measured and paid for separately for pipe extensions.
FES = Flared End Section
TES = Traversable End Section

REGISTERED PROFESSIONAL ENGINEER
DANIEL N. GREEN
PE-7616
Daniel N. Green
DATE: 2-14-25
NORTH DAKOTA

Pipe List

119th Ave SW / 2nd St SW Reconstruction
1 Mile North of ND Highway 200 to the County Line

Dunn County, ND