

April 23, 2025

ADDENDUM NO. 1

RE: Item #2, May 7, 2025 Letting - PT 0025(98)26, ER 0044(253)368, ER 019A(34)28, PT 0044(223)397, PCN 0828, 0A2Y, 0A37, 0829, Hutchinson, Turner County - Scour Protection, Berm Repair, Bank & Channel Protection

TO WHOM IT MAY CONCERN:

The following addenda to the plans shall be inserted and made a part of your proposal for the referenced project.

SPECIAL PROVISIONS: NO CHANGE

SDEBS BID PROPOSAL: *The electronic bid proposal for this contract has been revised to include the changes associated with this addendum. Bidders must log in to the SDEBS to retrieve and incorporate these changes into their bid.*

Bid Items were added:

Bid Item 700E1250 "Fully Grouted Riprap"

Quantities for Bid Items were changed:

Bid Item 700E0210 "Class B Riprap" changed from 2,440.3 to 2,052.3 Ton

PLANS: Please destroy sheets 3, 17, 18, 19, 20, 21, 22, 24, and 28 and replace with the enclosed sheets, dated 4/15/25, 4/17/25, 4/22/25. Sheet 7A was added.

Sheet 3: **PT 0025(98)26 - PCN 0828**

Bid Item 700E1250 "Fully Grouted Riprap" was added and Quantities for Bid Item 700E0210 "Class B Riprap" changed from 732 to 400 Ton.

Str. No. 34-202-187

Bid Item 700E1250 "Fully Grouted Riprap" was added and Quantities for Bid Item 700E0210 "Class B Riprap" changed from 190 to 134 Ton.

Sheet 7A: FULLY GROUTED RIPRAP note was added.

Sheet 17: LEGEND was revised.

Sheet 18: Install notes at Sta 40+60R to 43.57R were revised. Fence install notes near Sta 42+66.85 were revised.

Sheet 19: EASEMENT and EROSION CONTROL LAYOUT was revised.

Sheet 20: LAYOUT FOR UPGRADE was revised to show fully grouted riprap location.

Sheet 21: Bid Item 700E1250 "Fully Grouted Riprap" was added and Quantities for Bid Item 700E0210 "Class B Riprap" changed from 190.0 to 134.0 Ton.
RIPRAP notes were revised.

Sheet 22: TOPOGRAPHY layout was revised to show fully grouted riprap location.

Sheets 24 & 28: Cross Sections were revised to show fully grouted riprap location.

Sincerely,

Sam Weisgram
Engineering Supervisor

SW/cj

CC: Travis Dressen, Mitchell Region Engineer
Greg Rothschadl, Yankton Area Engineer

ESTIMATE OF QUANTITIES

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PT 0025(98)26, ER 0044(253)368	3	54
	PT 0044(223)368 & ER 019A(34)28		

Rev. 4/22/25 GAW

PT 0025(98)26 – PCN 0828

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
100E0020	Clear and Grub Tree	4	Each
100E0100	Clearing	Lump Sum	LS
110E0600	Remove Fence	2,005	Ft
120E0010	Unclassified Excavation	1,647	CuYd
120E0600	Contractor Furnished Borrow	2,539	CuYd
620E0020	Type 2 Right-of-Way Fence	1,230	Ft
620E0510	Type 1 Temporary Fence	1,190	Ft
620E1020	2 Post Panel	19	Each
620E1030	3 Post Panel	4	Each
620E2018	18' Tubular Gate	1	Each
634E0010	Flagging	50.0	Hour
634E0110	Traffic Control Signs	187.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
700E0210	Class B Riprap	400.0	Ton
700E1250	Fully Grouted Riprap	56.0	Ton
734E0010	Erosion Control	Lump Sum	LS
734E0133	Type 3 Turf Reinforcement Mat	2,070.0	SqYd
734E0150	6" Diameter Erosion Control Wattle	100	Ft
831E0110	Type B Drainage Fabric	570	SqYd

Str. No. 34-202-187

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E0010	Unclassified Excavation	81	CuYd
120E0600	Contractor Furnished Borrow	437	CuYd
430E0200	Bridge End Embankment	30	CuYd
700E0210	Class B Riprap	134.0	Ton
700E1250	Fully Grouted Riprap	56.0	Ton
831E0110	Type B Drainage Fabric	230	SqYd

ER 0044(253)368 – PCN 0A2Y

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
634E0110	Traffic Control Signs	226.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0600	4" Temporary Pavement Marking Tape Type I	144	Ft
634E0640	Temporary Pavement Marking	2,400	Ft
734E0010	Erosion Control	Lump Sum	LS
734E0150	6" Diameter Erosion Control Wattle	50	Ft

Str. No. 34-258-070

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E3120	Bridge Berm Repair	2	Each
464E0100	Controlled Density Fill	0.8	CuYd
700E0210	Class B Riprap	620.0	Ton
831E0110	Type B Drainage Fabric	590	SqYd

PT 0044(223)368 - PCN 0829

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
634E0110	Traffic Control Signs	226.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0600	4" Temporary Pavement Marking Tape Type I	144	Ft
634E0640	Temporary Pavement Marking	2,400	Ft
734E0010	Erosion Control	Lump Sum	LS
734E0150	6" Diameter Erosion Control Wattle	50	Ft

Str. No. 63-174-090

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E3120	Bridge Berm Repair	2	Each
120E7000	Select Granular Backfill	4.4	Ton
464E0100	Controlled Density Fill	1.6	CuYd
700E0210	Class B Riprap	400.0	Ton
831E0110	Type B Drainage Fabric	445	SqYd
831E1030	Perforated Geocell	171	SqFt

ER 019A(34)28 – PCN 0A37

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
009E0010	Mobilization	Lump Sum	LS
634E0110	Traffic Control Signs	226.0	SqFt
634E0120	Traffic Control, Miscellaneous	Lump Sum	LS
634E0600	4" Temporary Pavement Marking Tape Type I	144	Ft
634E0640	Temporary Pavement Marking	2,400	Ft
734E0010	Erosion Control	Lump Sum	LS
734E0150	6" Diameter Erosion Control Wattle	50	Ft

Str. No. 63-204-270

BID ITEM NUMBER	ITEM	QUANTITY	UNIT
120E3120	Bridge Berm Repair	2	Each
464E0100	Controlled Density Fill	4.7	CuYd
700E0210	Class B Riprap	498.3	Ton
831E0110	Type B Drainage Fabric	591	SqYd

SPECIFICATIONS

Standard Specifications for Roads and Bridges, 2015 Edition
and Required Provisions, Supplemental Specifications and
Special Provisions as included in the Proposal.

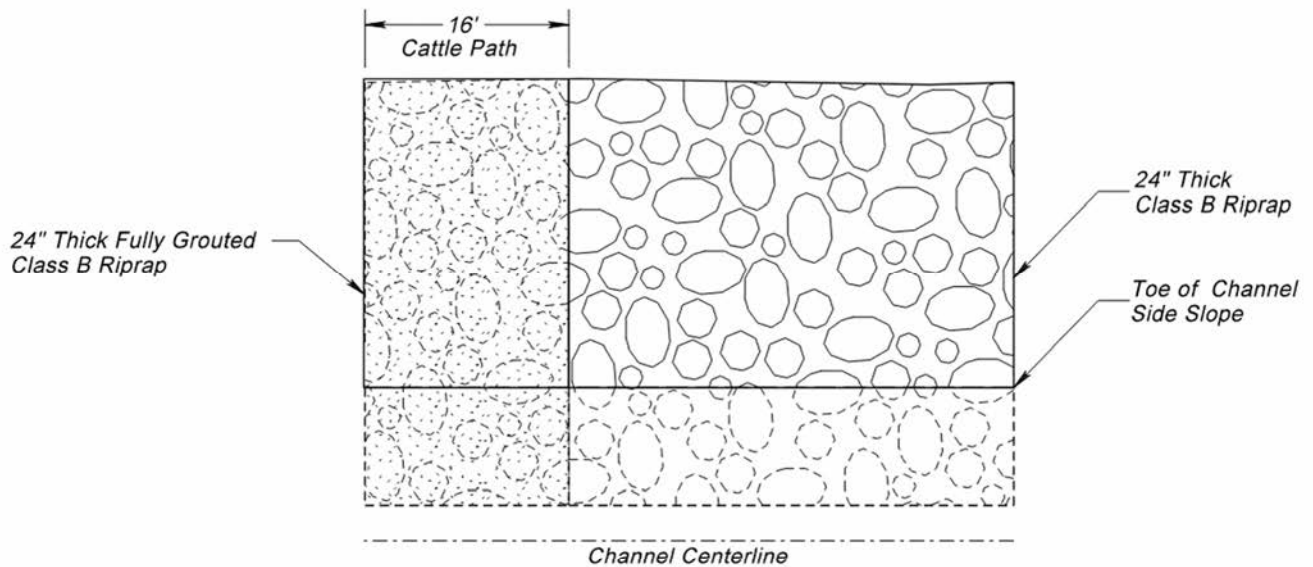
FULLY GROUTED RIPRAP

Sections of riprap being placed with this project will be fully grouted to provide a cattle path over the riprap, to the satisfaction of the Engineer, at locations specified in the plans. Voids in the riprap will be filled with low slump Class M6 Concrete and finished with a cattle path surface. Spud vibrators are required to consolidate the concrete into voids in the riprap. The final cattle path surface will be 16 feet wide and finished with a sufficiently rough surface texture to provide traction for safe passage of cattle over the riprap.

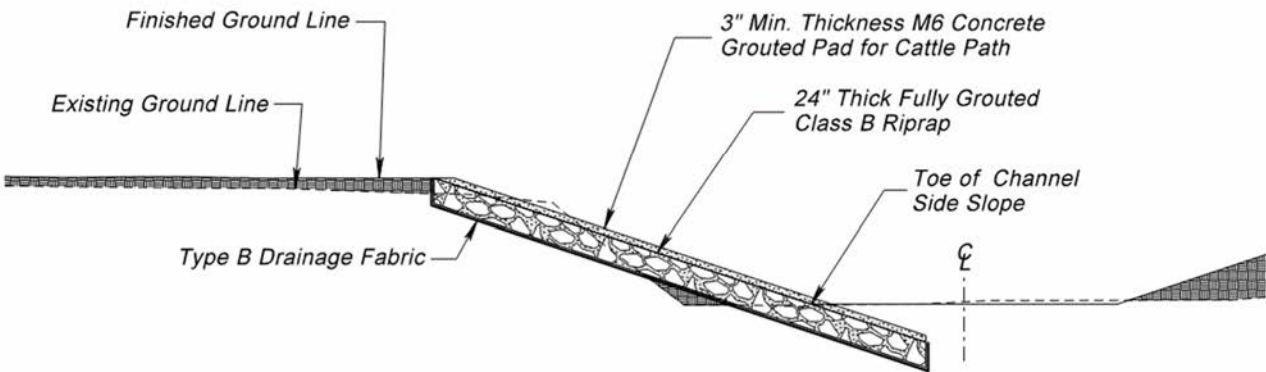
The Contractor will furnish and place Class B stone riprap at the locations shown in the plans, in accordance with Section 700 of the Specifications. Fully Grouted Riprap will conform to the Specifications Section 462 for Class M6 Concrete, and Section 830 for Riprap, Class B.

Measurement of fully grouted riprap will be the weight of the Class B riprap being grouted, measured to the nearest 0.1 ton. All costs associated with the fully grouted riprap including site preparation, furnishing and placement of Class B Riprap and Class M6 Concrete, will be incidental to the contract unit price per ton for "Fully Grouted Riprap".

FULLY GROUTED RIPRAP CATTLE PATH



PLAN VIEW



PROFILE VIEW

LEGEND

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PT 0025(98)26, ER 0044(253)368 PT 0044(223)368 & ER 019A(34)28	17	54

rev: 04-15-2025 SAH

Anchor		Hedge		Satellite Dish		State and National Line	
Antenna		Highway R.O.W. Marker		Septic Tank		County Line	
Approach		Interstate Close Gate		Shrub Tree		Section Line	
Assumed Corner		Iron Pin		Sidewalk		Quarter Line	
Azimuth Marker		Irrigation Ditch		Sign Face		Sixteenth Line	
BBQ Grill/ Fireplace		Lake Edge		Sign Post		Property Line	
Bearing Tree		Lawn Sprinkler		Slough, Marsh Or Designated Wetlands		Construction Line	
Bench Mark		Mailbox		Spring		R. O. W. Line	
Box Culvert		Manhole Electric		Street Gauge		New R. O. W. Line	
Bridge		Manhole Gas		Street Marker		Vacated R. O. W. Line	
Brush		Manhole Misc		Subsurface Utility Exploration Test Hole		Cut and Fill Limits	
Buildings		Manhole Sanitary Sewer		Telephone Fiber Optics		Control of Access	
Bulk Tank		Manhole Storm Sewer		Telephone Junction Box		New Control of Access	
Cattle Guard		Manhole Telephone		Telephone Pole		Proposed ROW	
Cemetery		Manhole Water		Television Cable Jct Box		(After Property Disposal)	
Centerline		Merry-Go-Round		Television Tower			
Cistern		Microwave Radio Tower		Test Wells/Bore Holes			
Clothes Line		Misc. Line		Traffic Signal		Drainage Arrow	
Commercial Sign Double Face		Misc. Property Corner		Trash Barrel			
Commercial Sign One Post		Misc. Post		Tree Belt			
Commercial Sign Overhead		Overhang Or Encroachment		Tree Coniferous		Remove Concrete Pavement	
Commercial Sign Two Post		Overhead Utility Line		Tree Deciduous		Remove Concrete Driveway Pavement	
Concrete Symbol		Parking Meter		Tree Stumps		Remove Asphalt Concrete Pavement	
Creek Edge		Pipe With End Section		Tree Removal		Remove Concrete Sidewalk	
Curb/Gutter		Pipe With Headwall		Triangulation Station		Remove Concrete Median Pavement	
Curb		Pipe Without End Section		Type 3 Turf Reinforcement Mat		Remove and Replace Lawn Sod	
Dam Grade/Dike/Levee		Playground Slide		Underground Electric Line		Remove Concrete Curb and/or Gutter	
Deck Edge		Playground Swing		Underground Gas Line			
Ditch Block		Power And Light Pole		Underground High Pressure Gas Line			
Doorway Threshold		Power And Telephone Pole		Underground Sanitary Sewer			
Drainage Profile		Power Meter		Underground Storm Sewer			
Drop Inlet		Power Pole		Underground Tank			
Edge Of Asphalt		Power Pole And Transformer		Underground Telephone Line			
Edge Of Concrete		Power Tower Structure		Underground Television Cable			
Edge Of Gravel		Propane Tank		Underground Water Line			
Edge Of Other		Property Pipe		Valley Gutter w/ Drop Inlet			
Edge Of Shoulder		Property Pipe With Cap		Warning Sign One Post			
Elec. Trans./Power Jct. Box		Property Stone		Warning Sign Two Post			
Fence Barbwire		Public Telephone		Water Fountain			
Fence Chainlink		Railroad Crossing Signal		Water Hydrant			
Fence Electric		Railroad Milepost Marker		Water Meter			
Fence Misc.		Railroad Profile		Water Tower			
Fence Rock		Railroad R.O.W. Marker		Water Valve			
Fence Snow		Railroad Signs		Water Well			
Fence Wood		Railroad Switch		Weir Rock			
Fence Woven		Railroad Track		Windmill			
Fire Hydrant		Railroad Trestle		Wingwall			
Flag Pole		Rebar		Witness Corner			
Flower Bed		Rebar With Cap					
Gabion		Reference Mark					
Gas Valve Or Meter		Regulatory Sign One Post					
Gas Pump Island		Regulatory Sign Two Post					
Grain Bin		Retaining Wall					
Guardrail		Riprap (Existing)					
Guide Sign One Post		Riprap (New)					
Guide Sign Two Post		Riprap (Grouted)					
Gutter		River Edge					
Guy Pole		Rock And Wire Baskets					
Haystack		Rockpiles					

EASEMENT and EROSION CONTROL LAYOUT

PCN 0828

STATE OF SOUTH DAKOTA	PROJECT	SHEET	TOTAL SHEETS
	PT 0025(98)26, ER 0044(253)368 PT 0044(223)368 & ER 019A(34)28	19	54

rev: 04-15-2025 SAH

- 042+50.02- 51.31'R
Temporary Easement
N 337894.765
E 2666252.147

1343+48.57- 109.54'R
Grouted Riprap
N 337802.340
E 2666184.668

2140+72.23- 237.48'R
Grouted Riprap
N 338087.409
E 2666082.370

2540+86.92 - 302.66'R
Turf Reinforcement Mat
N 338078.370
E 2666016.167
- 139+35.78- 49.82'R
Temporary Easement
N 338205.915
E 2666279.475

1443+45.20-125.18'R
Grouted Riprap
N 337807.186
E 2666169.413

2240+94.80-225.03'R
Riprap
N 338063.859
E 2666092.833

2641+70.40 - 263.08/R
Turf Reinforcement Mat
N 337992.383
E 2666048.448
- 239+68.04- 494.32'R
Temporary Easement
N 338204.523
E 2665833.963

1543+12.73-118.04'R
Grouted Riprap
N 337839.367
E 2666179.738

2341+18.52-216.68'R
Riprap
N 338039.452
E 2666099.114

2742+61.21 - 227.01'R
Turf Reinforcement Mat
N 337900.120
E 2666076.178
- 340+59.61- 702.33'R
Section Line
N 338140.357
E 2665620.359

1643+14.71- 102.11'R
Grouted Riprap
N 337835.800
E 2666195.396

2441+88.15-186.63'R
Riprap
N 337968.201
E 2666123.055

2843+22.34- 120.07'R
Tur Reinforcement Mat
N 337830.011
E 2666176.757
- 441+00.67- 496.28'R
Temporary Easement
N 338081.289
E 2665822.082

1742+00.41-210.89'R
Riprap
N 337958.150
E 2666097.802

2942+80.78 - 68.43'R
Turf Reinforcement Mat
N 337865.739
E 2666232.220

3042+57.53 - 149.43'R
Turf Reinforcement Mat
N 337896.502
E 2666153.764
- 542+33.38- 497.26'R
Temporary Easement
N 337953.310
E 2665809.744

1840+87.23- 267.39'R
Grouted Riprap
N 338075.034
E 2666051.277

3141+96.26 - 202.68'R
Turf Reinforcement Mat
N 337961.552
E 2666106.351

3240+68.73 - 266.36'R
Turf Reinforcement Mat
N 338093.381
E 2666053.890
- 644+65.27- 50.98'R
Temporary Easement
N 337681.003
E 2666231.527

1940+72.93-274.56'R
Grouted Riprap
N 338089.899
E 2666045.360

742+68.01- 51.36'R
Permanent Easement
N 337876.854
E 2666250.409

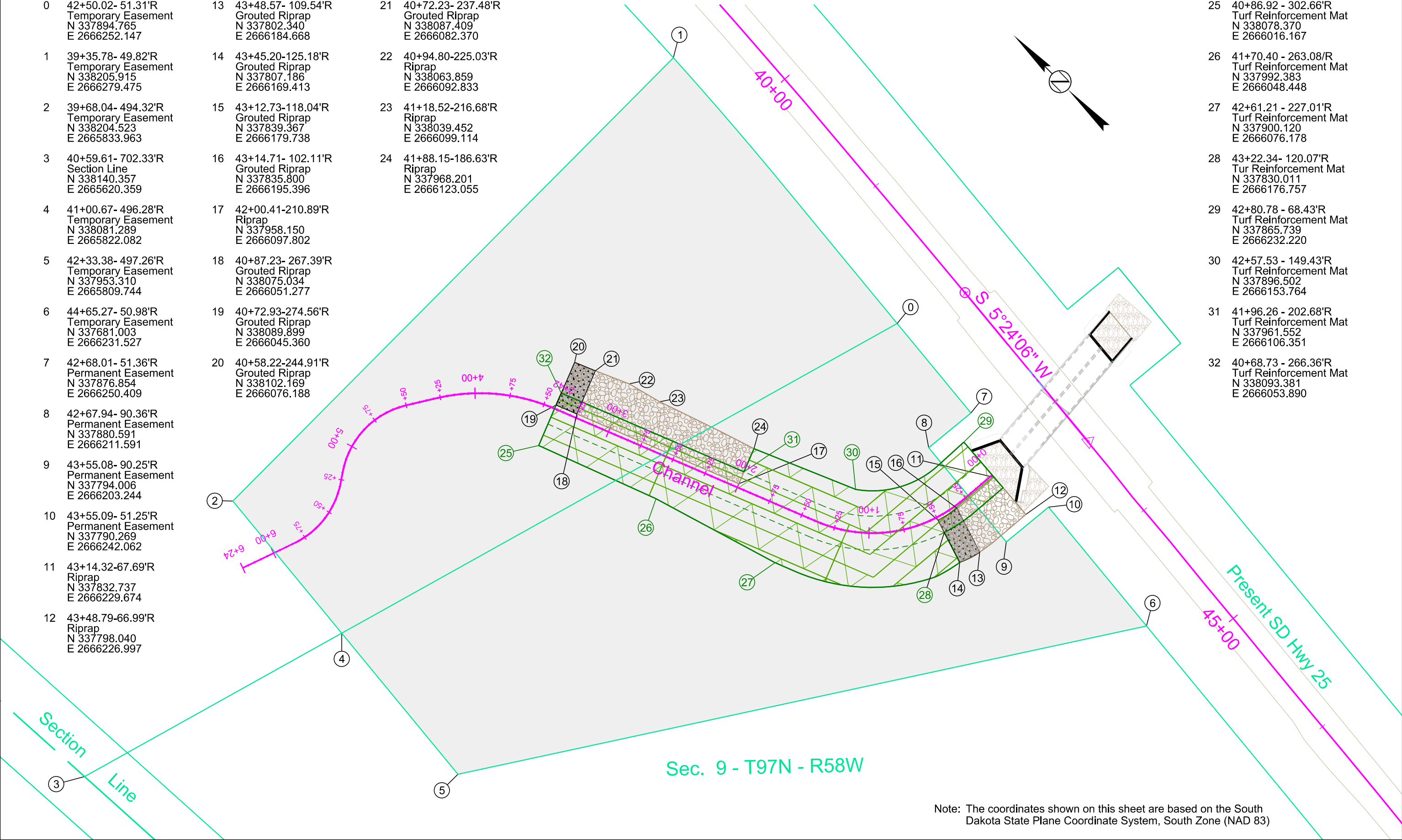
2040+58.22-244.91'R
Grouted Riprap
N 338102.169
E 2666076.188
- 842+67.94- 90.36'R
Permanent Easement
N 337880.591
E 2666211.591

242+67.94- 90.36'R
Permanent Easement
N 337880.591
E 2666211.591

943+55.08- 90.25'R
Permanent Easement
N 337794.006
E 2666203.244

1043+55.09- 51.25'R
Permanent Easement
N 337790.269
E 2666242.062
- 1143+14.32-67.69'R
Riprap
N 337832.737
E 2666229.674

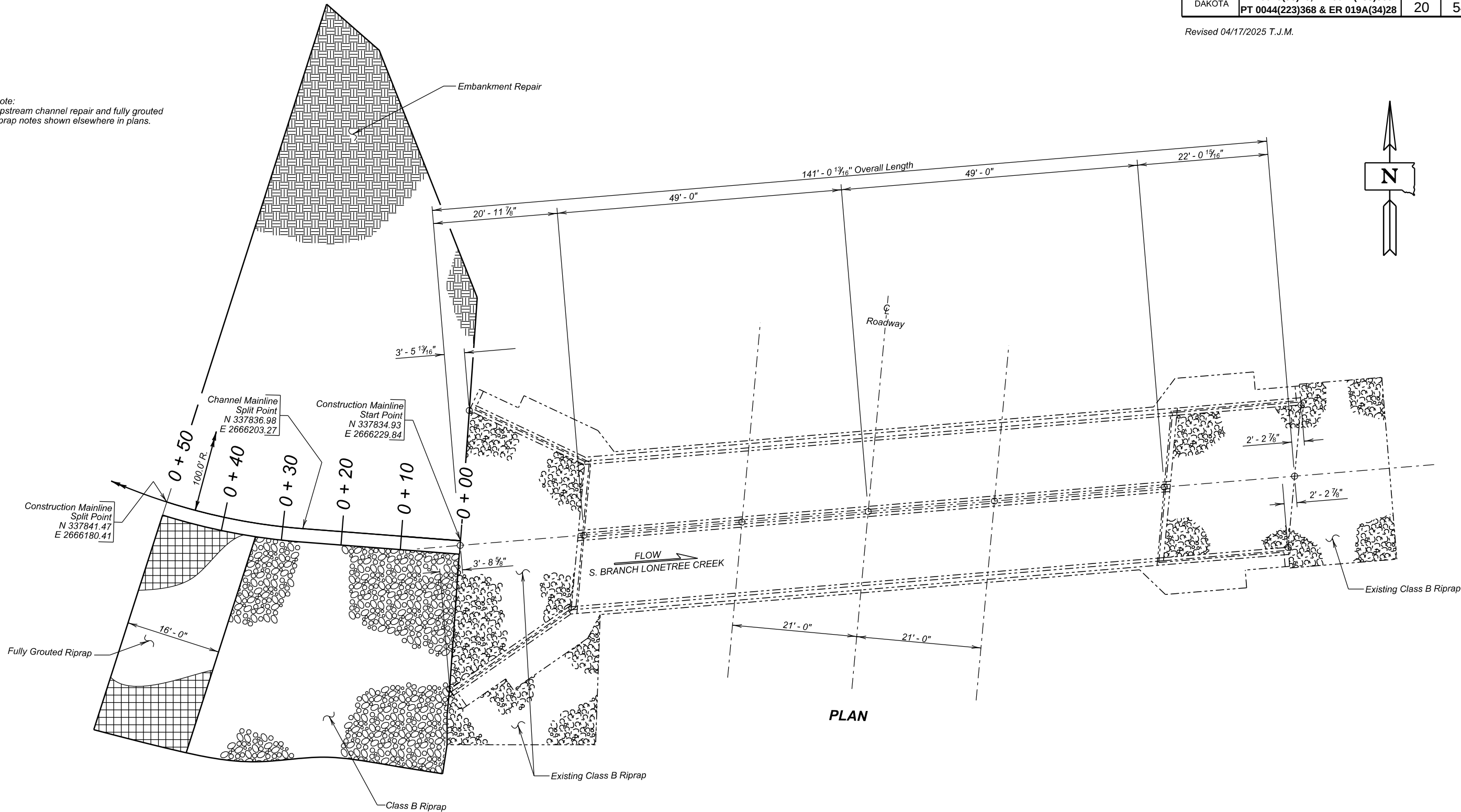
1243+48.79-66.99'R
Riprap
N 337798.040
E 2666226.997



Note: The coordinates shown on this sheet are based on the South Dakota State Plane Coordinate System, South Zone (NAD 83)

Revised 04/17/2025 T.J.M.

Note:
Upstream channel repair and fully grouted
riprap notes shown elsewhere in plans.



-X028-
INDEX OF BOX CULVERT SHEETS -

- Sheet No. 1 - Layout for Upgrade
Sheet No. 2 - Estimate of Structure Quantities and Notes
Sheet No. 3 - Topography
Sheet No. 4 - Mainline Cross Sections (A)
Sheet No. 5 - Mainline Cross Sections (B)
Sheet No. 6 - Original Construction Plans

**LAYOUT FOR UPGRADE
FOR
2 - 12' x 11' BOX CULVERT**

OVER S. BRANCH LONETREE CREEK 10° SKEW R.H.F.
STR. NO. 34-202-187 SEC. 09-T97N-R58W
PCN 0828 PT 0025(98)26

HUTCHINSON COUNTY
S. D. DEPT. OF TRANSPORTATION

DECEMBER 2024

- X028 -

1 OF 6

PLANS BY:
OFFICE OF BRIDGE DESIGN, SOUTH DAKOTA DEPARTMENT OF TRANSPORTATION

DESIGNED BY
JH
HUCH0828

CK. DES. BY
CM
0828HA01

DRAFTED BY
JH

Steve A. Johnson
BRIDGE ENGINEER

ESTIMATE OF STRUCTURE QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
120E0010	Unclassified Excavation	81	CuYd
120E0600	Contractor Furnished Borrow Excavation	437	CuYd
430E0350	Bridge End Embankment	30	CuYd
700E0210	Class B Riprap	134.0	Ton
700E1250	Fully Grouted Riprap	56.0	Ton
831E0110	Type B Drainage Fabric	230	SqYd

SPECIFICATIONS

Construction Specifications: South Dakota Standard Specifications for Roads and Bridges, 2015 Edition and Required Provisions, Supplemental Specifications and Special Provisions as included in the Proposal.

DETAILS AND DIMENSIONS OF EXISTING BRIDGE

All details and dimensions of the existing box culvert and riprap, contained in these plans, are based on the original construction plans and are provided as information only. It is the Contractor's responsibility to inspect and verify the actual field conditions and any necessary as-built dimensions affecting the satisfactory completion of the work required for this project.

SCOPE OF BRIDGE WORK & SEQUENCE OF OPERATIONS

All work on this structure will be accomplished with the traffic and erosion control shown elsewhere in the plans.

RIPRAP

1. The cross sections shown in this plan set are provided as a guide for riprap placement and are based on the existing ground locations at the time of the survey in 2021. The location of the toe of the riprap may vary to suit local site conditions provided the following items are adhered to:

a. Riprap will be a minimum thickness of 2'-0". Riprap will be countersunk 3'-0" below the proposed channel flowline and rise at a 3H:1V slope till daylighting with the restored ground.

b. Any changes in the riprap configuration are approved by the Engineer.
2. Prior to placement of the drainage fabric, the surface to be covered will be smooth, free of obstructions, and conform to the plan configuration.

3. The Contractor shall provide a suitable site for Contractor Furnished Borrow Excavation material.

a. The Contractor is responsible for obtaining all required permits and clearances for the borrow site.

b. The Contractor Furnished Borrow Excavation material shall be uniform in texture and free from organic material as approved by the Engineer. Compaction of the Contractor Furnished Borrow Excavation material shall be to the satisfaction of the Engineer.

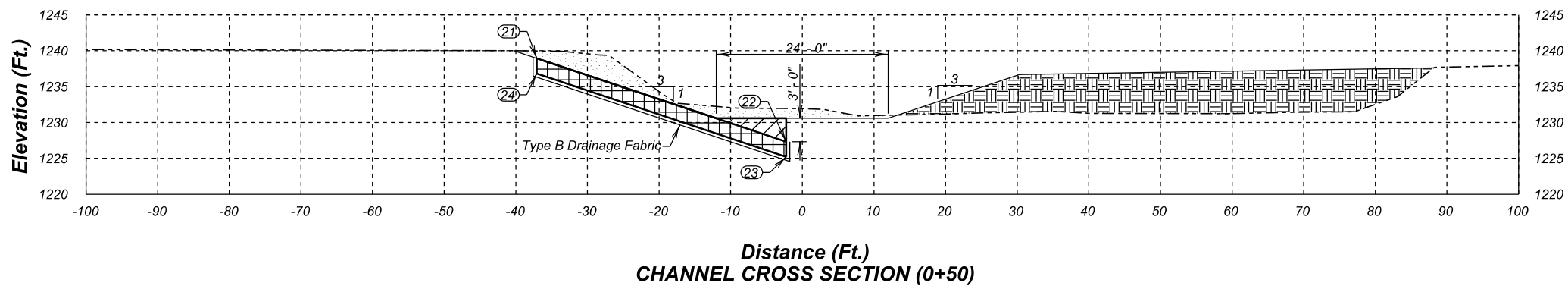
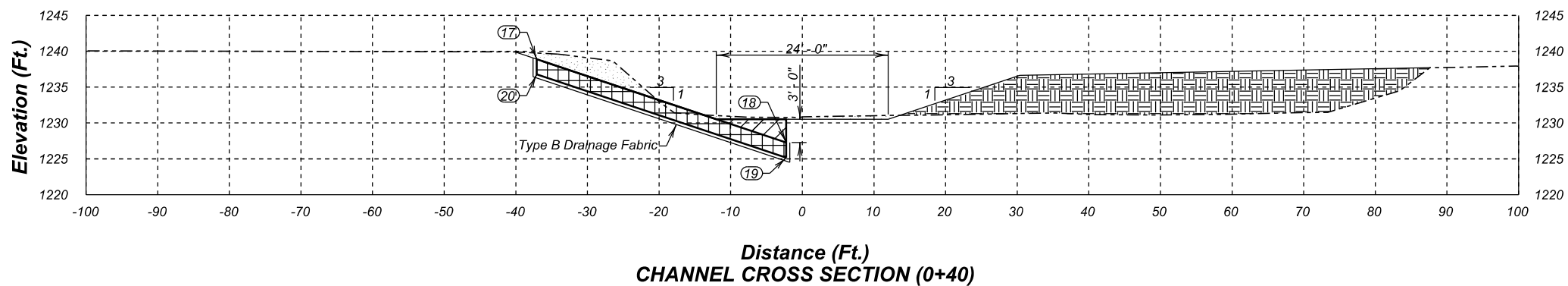
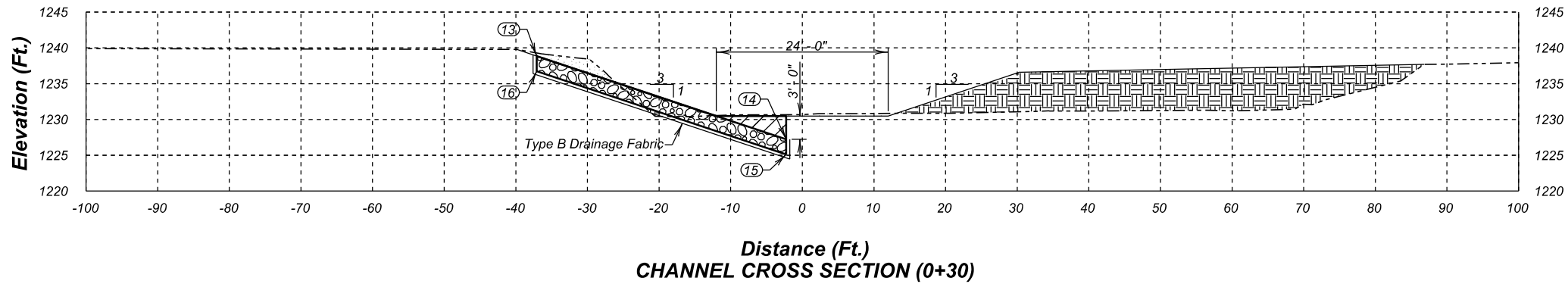
c. Restoration of the Contractor Furnished Borrow Excavation site shall be the responsibility of the Contractor.

d. Contractor Furnished Borrow Excavation may be obtained from the excavated material on site provided the requirements of 3b above are satisfied.
4. Excavate to limits shown on cross section for riprap placement. All material excavated to allow for riprap placement will be disposed of by the Contractor.
5. A factor of 1.4 Tons/CuYd was used to convert the riprap quantity from CuYd to Tons.
6. All costs associated with excavation of the unclassified excavation above any riprap placement including all labor and equipment will be incidental to the contract unit price per cubic yard for Unclassified Excavation.
7. All costs associated with excavation and placement of existing material over the toe of the riprap including all labor and equipment will be incidental to the contract unit price per cubic yard for Bridge End Embankment.
8. The Class B Riprap and Fully Grouted Riprap will be constructed to the configuration, limits and elevations shown. The stream banks in the areas of riprap placement will be reconstructed as shown and approved by the Engineer. Cost of reconstructing the stream banks will be incidental to the contract unit price bid for Class B Riprap or Fully Grouted Riprap as appropriate.

ESTIMATE OF STRUCTURE QUANTITIES AND NOTES
FOR
2 - 12' x 11' BOX CULVERT

OVER S. BRANCH LONETREE CREEK10° SKEW R.H.F.
STR. NO. 34-202-187SEC. 09-T97N-R58W
PT 0025(98)26

HUTCHINSON COUNTY
S. D. DEPT. OF TRANSPORTATION
DECEMBER 2024



Point	Northing	Easting	Elevation
13	337800.47	2666195.86	1238.84
14	337835.06	2666199.69	1227.23
15	337835.06	2666199.69	1225.13
16	337800.47	2666195.86	1236.74
17	337802.64	2666182.46	1238.89
18	337836.69	2666189.60	1227.28
19	337836.69	2666189.60	1225.17
20	337802.64	2666182.46	1236.78
21	337806.19	2666169.09	1238.94
22	337839.33	2666179.72	1227.33
23	337839.33	2666179.72	1225.22
24	337806.19	2666169.09	1236.83

LEGEND:

---	Existing Ground Line	---	New Ground Line
	Class B Riprap		Excavated Material (Unclassified Excavation)
	Fully Grouted Riprap		Bridge End Embankment
	Contractor Furnish Borrow		

CHANNEL CROSS SECTIONS (B)

FOR
2 - 12' x 11' BOX CULVERT

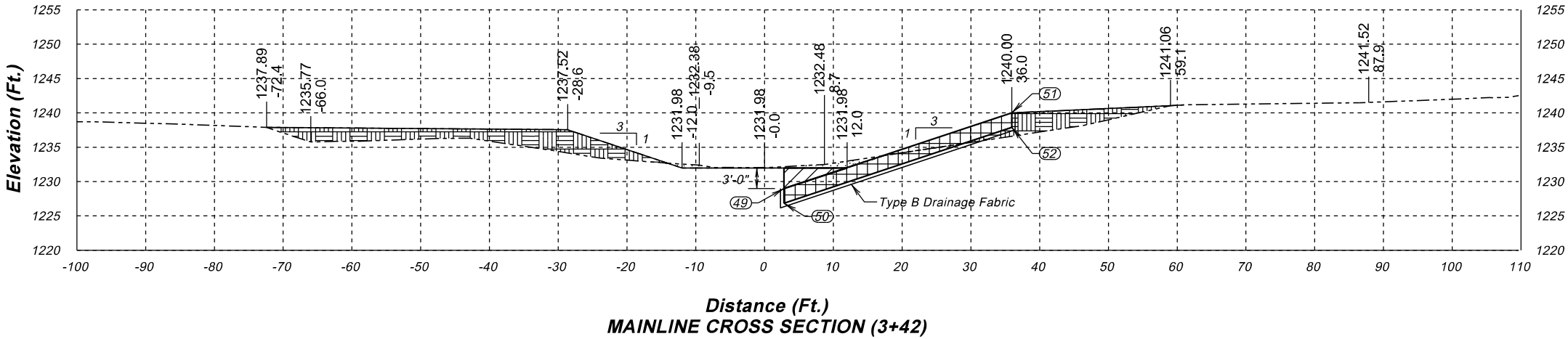
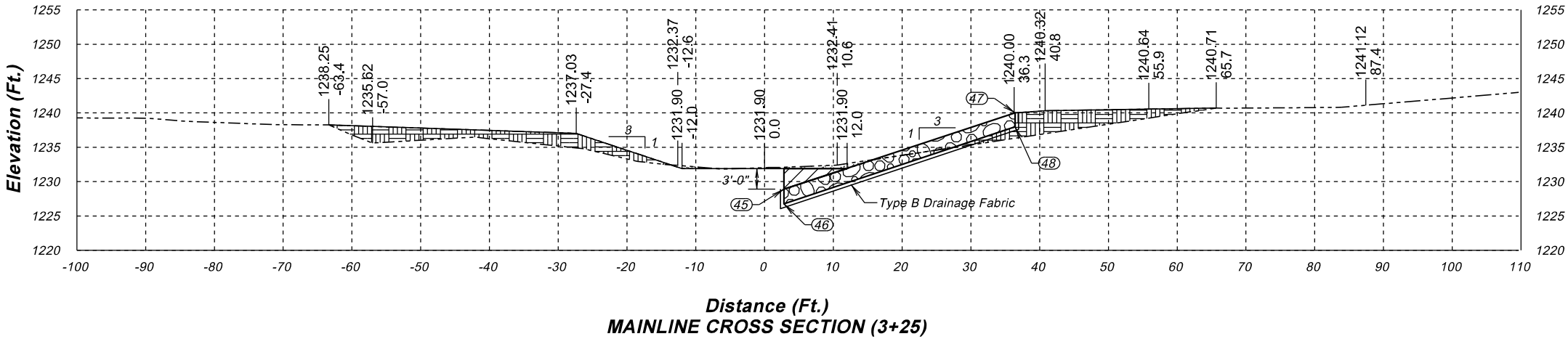
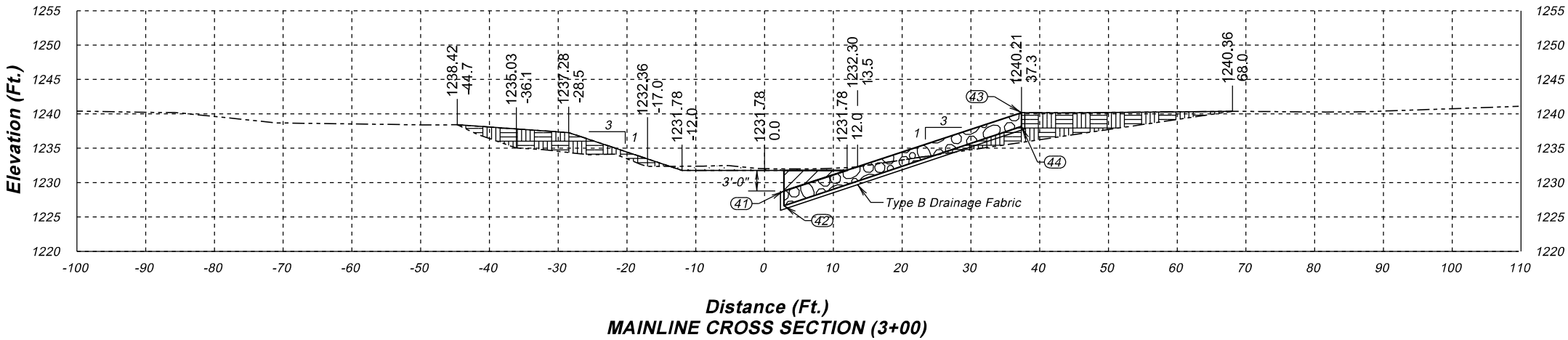
OVER S. BRANCH LONETREE CREEK 10° SKEW R.H.F.
STR. NO. 34-202-187 SEC. 09-T97N-R58W
PT 0025(98)26

HUTCHINSON COUNTY

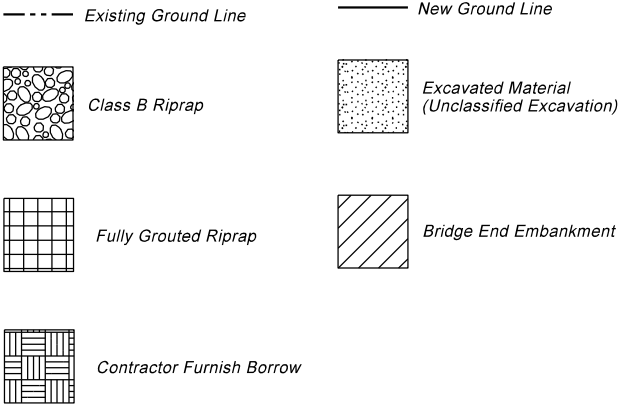
S. D. DEPT. OF TRANSPORTATION

DECEMBER 2024

5 OF 6



Point	Northing	Easting	Elevation
41	338051.11	2666060.80	1228.78
42	338051.11	2666060.80	1226.67
43	338063.86	2666092.83	1240.21
44	338063.86	2666092.83	1238.11
45	338074.34	2666051.55	1228.90
46	338074.34	2666051.55	1226.79
47	338086.72	2666082.66	1240.00
48	338086.72	2666082.66	1237.89
49	338089.90	2666045.36	1228.98
50	338089.90	2666045.36	1226.87
51	338102.17	2666076.19	1240.00
52	338102.17	2666076.19	1237.89



INLET CHANNEL CROSS SECTIONS
FOR
2 - 12' x 11' BOX CULVERT
OVER S. BRANCH LONETREE CREEK 10° SKEW R.H.F.
STR. NO. 34-202-187 SEC. 09-T97N-R58W
PT 0025(98)26
HUTCHINSON COUNTY