

ADDENDUM | No. 1

| | |
|---------------------|---|
| PROJECT | BMU Raw & Treated Water Pipelines – Phase 2 |
| BID DATE | Tuesday August 2, 2022 – 1:30PM Local Time |
| BID LOCATION | BMU Office 525 Western Ave. Brookings, SD 57006 |
| ISSUE DATE | Monday July 25, 2022 |
| NOTICE | Failure to acknowledge all addenda in the BID may cause rejection of the BID. See Instructions to Bidders. |

SCOPE OF THIS ADDENDUM

The following becomes a part of the original project manual and drawings, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the Addendum on his/her bid form, incorporating its provision in his/her bid.

GENERAL

Dewatering:

Clarification:

34th Ave – BMU has obtained permission to dewater into LG Everist pits. The Contractor will need to follow conditions of the agreement made.

20th Street S – BMU has had discussions with Prairie Hills LLC about using their detention pond as a dewatering discharge location. Any Contractor wishing to use this site to discharge must show written authorization from Prairie Hills LLC prior to dewatering. Contact: Jacob Mills – jacob@mills-development.com

Geotextile Fabric

Clarification:

When encountering geotextile fabric underneath an existing roadway, the Contractor must provide a clean cut and allow for a 2' overlap between the existing geotextile fabric and new geotextile fabric.



Geotechnical Report

Clarification:

Table 1 – *Thickness of Existing Asphalt Pavement & Gravel Base* updated. The updated Geotechnical Report is on the Banner Associates, Inc. Website.

PROJECT MANUAL

The following additions, changes and clarifications have been made to the Project Manual.

C-200 Instructions to Bidders

Section 18.04,

Remove:

Remove 18.04 in its entirety.

Add:

If Owner awards the Contract for the work, such award will be to a single responsible bidder submitting the lowest responsive bid total for Bid Schedule A plus Schedule B. Owner may award any combination of Bid Schedules C and/or D to the responsible bidder. Award of Contract shall be any combination of Bid Schedules which are in the best interest of the Owner.

C-410 Bid Form for Construction Contract

Section 3.01.B,

Remove:

Remove 3.01.B in its entirety.

Section 3.01.C

Correction:

Line Item A73 Unit should read "LF" instead of "SY". The Contractor shall initial this change on the Bid Form. A revised Bid Form WILL NOT be included with this Addendum.



C-520 Agreement Between Owner and Contractor for Construction Contract

Section 4.04.A,

Add:

2. Milestone 2: The Contractor will commence work under this Contract and complete all Work on Phase 2A and 2B (as defined in the plans) on or before **June 30, 2023**. The Work will be considered complete when the watermain is installed, pressure tested, disinfected, and open for service, and all streets are paved and open to local traffic.

Section 01 7113 – Mobilization,

Section 2.1,

Remove:

“Partial payments for mobilization shall be made in accordance with SDDOT Standard Specifications for Roads and Bridges, current Edition, **Section 9.10 – Mobilization.**”

Section 31 2300 – Trenching, Excavation and Backfilling,

Section 3.16 Compaction of Soil Backfills and Fills,

Remove: C.2.a.

Add: a. Initial and Final Backfill: 97 percent

Section 31 2400 – Roadway Excavation and Embankment,

Section 3.20 Compaction of Soil Subgrade and Base Courses,

Remove: B.1.a. to B.1.c.

Add:

- a. Subgrade: 97 percent
- b. Subbase Course: 97 percent
- c. Base Course: 97 percent
- d. Below agricultural land, pasture, and wetland areas: 90 percent
- e. Within Ditches: 95 percent



Section 32 1123 – Aggregate Base Courses,

Part 3 - Execution,

Add Section 3.3 – Base Course Inspection:

- A. Notify Engineer when base course construction is complete within specified tolerance.
- B. Proof-roll base course below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated base courses.
 - 1. Completely proof-roll subgrade in one direction, repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph.
 - 2. Proof-roll with a loaded 10-wheel, tandem-axle dump truck weighing not less than 15 tons.
 - 3. No deflection, yielding or rutting is acceptable. If deflection is observed, base course will be considered unstable and require additional effort by the Contractor to reach acceptable stability. Contractor shall submit a plan to perform corrective action.
- C. Reconstruct base course damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Engineer, without additional compensation.

DRAWINGS

The following additions, changes and clarifications have been made to the Drawings.

Drawing Sheet C-1.

Typical sections,

Add: Revised Drawing Sheet

This drawing sheet has been revised with updated typical sections for 20th St. S.

Drawing Sheet C-2.

Typical sections,

Add: Revised Drawing Sheet

This drawing sheet has been revised with updated typical sections for 34th Ave.



NOTE

The Plan Holders List and Addendums are available on our website at <http://www.bannerassociates.com> by clicking on **View Bid Information / Project Name / Project Information** link.

Project Manual and Drawing inquiries regarding the work should be directed to:

CONTACT PERSON(S)

Banner Associates, Inc. Tel 1-605-692-6342 | Toll Free 1-855-323-6342 | Fax 1-605-692-5714

Justin Bucher, PE

Project Engineer

justinb@bannerassociates.com

ATTACHMENTS

- 1. Prebid Meeting Minutes
- 2. Revised Drawings



Justin Bucher, PE #14123

PRE-BID MEETING MINUTES

| | | |
|----------|---|------------------|
| DATE | Thursday July 21, 2022 – 11:00am | |
| PROJECT | BMU Raw & Treated Water Pipelines – Phase 2 | BAI No. 23627.00 |
| SUBJECT | Pre-Bid Meeting | |
| LOCATION | Banner Associates Inc. Office – Brookings, SD | |

GENERAL

Adjacent Projects:

- Exit 130 Interchange – Construction complete in July 2023
- 22nd Ave from Eastbrook Drive to 12th Street S – Scheduled for 2023 Construction
 - Bidding tentatively scheduled for Jan/Feb 2023

Dewatering:

- Reminder: Dewatering is anticipated and incidental to the installation of the pipe.
- 34th Ave – BMU has obtained permission to dewater into LG Everist pits. The Contractor will need to follow conditions of the agreement made.
 - 20th Street S – BMU has had discussions with Prairie Hills LLC about using their detention pond as a dewatering discharge location. Any Contractor wishing to use this site to discharge must show written authorization from Prairie Hills LLC prior to dewatering. Contact: Jacob Mills – jacob@mills-development.com

Geotextile Fabric:

- When encountering geotextile fabric underneath an existing roadway, the Contractor must provide a clean cut and allow for a 2' overlap between the existing geotextile fabric and new geotextile fabric.

Revised Geotechnical Report:

- Table 1 – *Thickness of Existing Asphalt Pavement & Gravel Base* updated. The updated Geotechnical Report is on the Banner Associates Website.

Mobilization:

- Reminder: Mobilization is to be limited to 10% of Bid Price. See language in Instructions to Bidder and in Bid Form (below).

Bidder shall limit the value for Mobilization to no more than ten percent (10%) of the Bid Amount. If the amount entered for Mobilization exceeds ten percent (10%) of the project Bid Amount, the Bid Amount shall remain as is, the Mobilization amount shall be reduced to ten percent (10%) of the project Bid Amount, and the overage shall be added to the remainder of the base project work.



PROJECT MANUAL

C-200 Instructions to Bidders

- Article 18 – Evaluation of Bids and Award of Contract
 - 18.04 Removed and Replaced with the following:

If Owner awards the Contract for the work, such award will be to a single responsible bidder submitting the lowest responsive bid total for Bid Schedule A plus Schedule B. Owner may award any combination of Bid Schedules C and/or D to the responsible bidder. Award of Contract shall be any combination of Bid Schedules which are in the best interest of the Owner.

C-410 Bid Form for Construction Contract

- Section 3.01.B
 - Remove 3.01.B in its entirety.
- Section 3.01.C
 - Line Item A73 – Concrete Curb and Gutter unit should read “LF”

Section 31 2300 Trenching, Excavation and Backfill:

- Section 3.16 - Compaction of Soil Backfills and Fills updated:
 - a. Compaction of Initial and Final Backfill changed to 97%

Section 31 2400 Roadway Excavation and Embankment:

- Section 3.20 – Compaction of Soil Subgrade and Base Courses updated:
 - a. Subgrade: 97 percent
 - b. Subbase Course: 97 percent
 - c. Base Course: 97 percent
 - d. Below agricultural land, pasture, and wetland areas: 90 percent
 - e. Within Ditches: 95 percent

Section 32 1123 Aggregate Base Courses

- Part 3 Execution
 - Add Section 3.3 – Base Course Inspection
 - A. Notify Engineer when base course construction is complete within specified tolerance.
 - B. Proof-roll base course below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated base courses.
 - 1. Completely proof-roll subgrade in one direction, repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph.



2. Proof-roll with a loaded 10-wheel, tandem-axle dump truck weighing not less than 15 tons.
 3. No deflection, yielding or rutting is acceptable. If deflection is observed, base course will be considered unstable and require additional effort by the Contractor to reach acceptable stability. Contractor shall submit a plan to perform corrective action.
- C. Reconstruct base course damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Engineer, without additional compensation.

CONTRACTOR QUESTIONS

General

- Bid will be awarded at BMU Board meeting on Monday August 8.
- Stored materials will be paid for following the procedures set forth in the Contract.
- An interim completion date for Phases 2A and 2B will be addressed via Addendum.

Question: Bowes asked about starting work in 2022.

Answer: Contractor may start in 2022 if able. Any road where work is taking place would need to be paved and opened to traffic before the end of the construction season.

Question: Bowes asked about paving on 20th Street S and if they could pave the bottom two lifts of asphalt, then mill the remaining asphalt at the end of the project.

Answer: The project team would prefer to mill the remaining asphalt at the end of the project and pave the top lift of the entire corridor at the same time.

Question: Bowes asked traffic control for paving the top lift of asphalt.

Answer: Banner will produce additional traffic control sheets.

Question: Bowes asked how 6" Asphalt Concrete will be paid if only first 4" are installed and then last 2" installed at a later date

Answer: BMU can make a partial payment based on percentage completed.

Question: Core & Main asked about submittals for BABA.

Answer: Current direction from DANR is to follow current SRF procedures.

Question: Core & Main asked about cathodic protection on Casing and DI fittings.

Answer: One anode per fitting 16" and larger and two anodes on each end of a casing pipe.

Question: Core & Main asked about sizes of connection to existing manholes.

Answer: (1) 24", (1) 15", (1) 10", (3) 8". All connecting pipes are PVC.



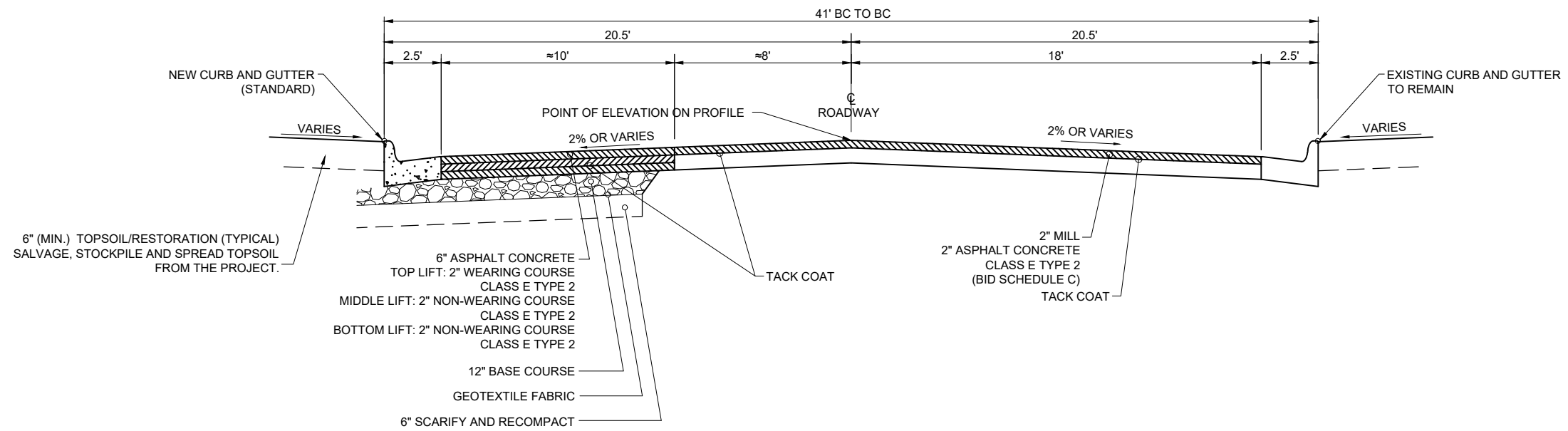
Question: Core & Main asked about sizes of drop bowl assemblies.

Answer: (1) 15", (1) 8"

Question: Core & Main asked about the quantity of 12"x2" Saddle bid item not matching the number of curb stops.

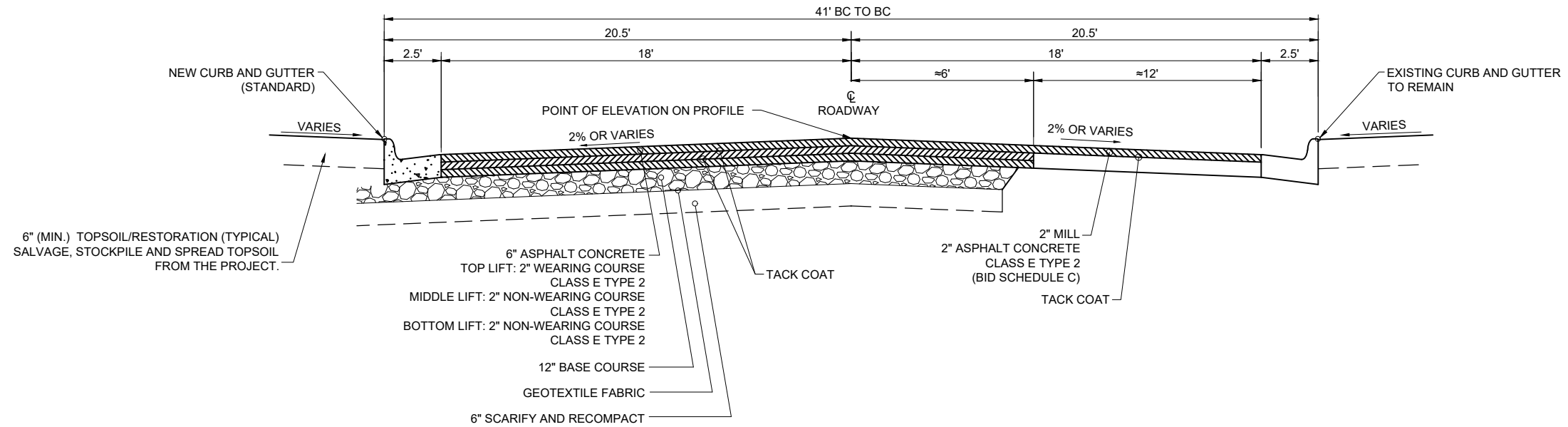
Answer: The bid items are correct.

PREPARED BY Justin Bucher, PE



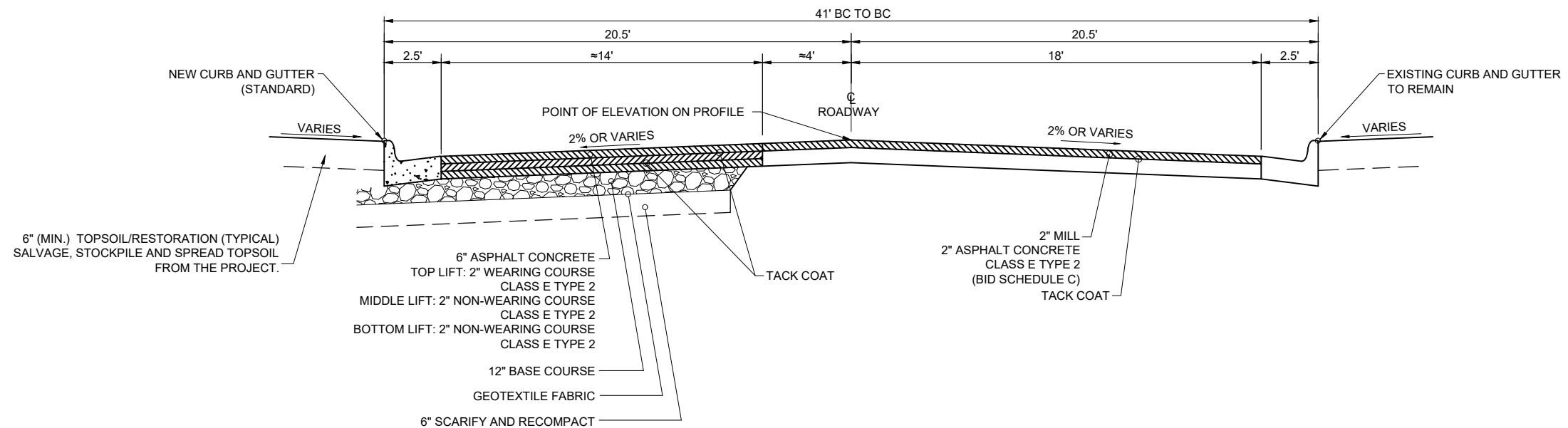
20TH STREET S TYPICAL SECTION - STA. 6+78 TO 28+80

SCALE: NONE



20TH STREET S TYPICAL SECTION - STA. 28+80 TO 50+60

SCALE: NONE



20TH STREET S TYPICAL SECTION - STA. 50+60 TO 80+13

SCALE: NONE

PROJECT / SHEET TITLE:
BMU RAW & TREATED WATER PIPELINES
TYPICAL ROADWAY SECTIONS

BROOKINGS, SOUTH DAKOTA

DESCRIPTION

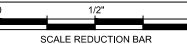
REVISED TYPICAL SECTIONS

REV. DATE

01 7/25/2022

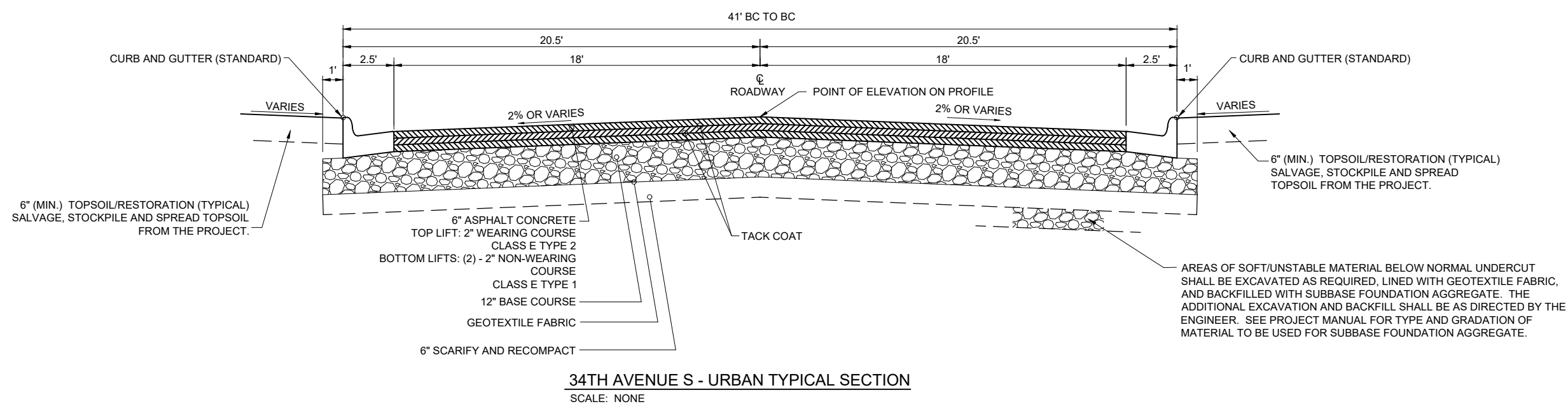
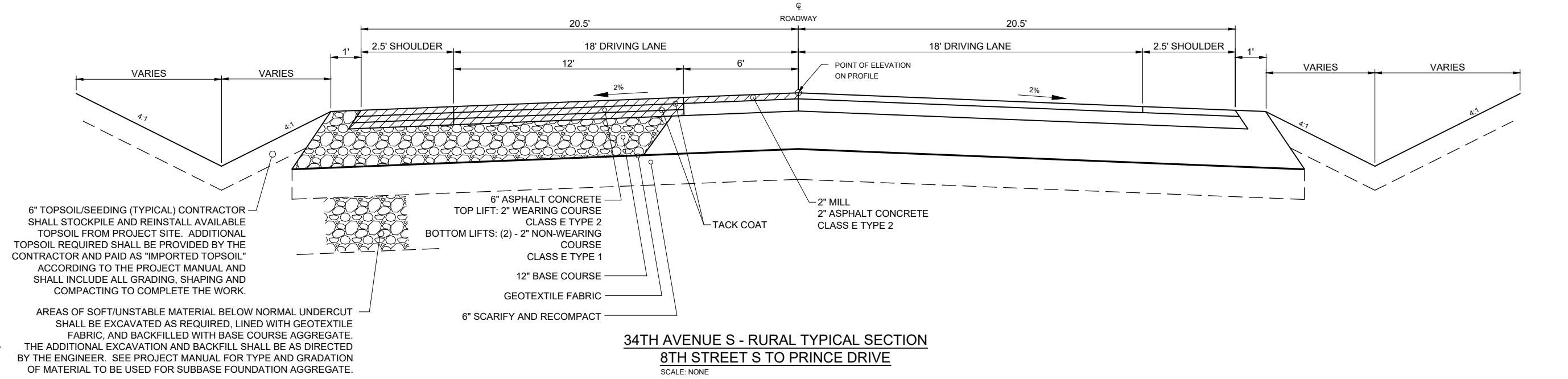
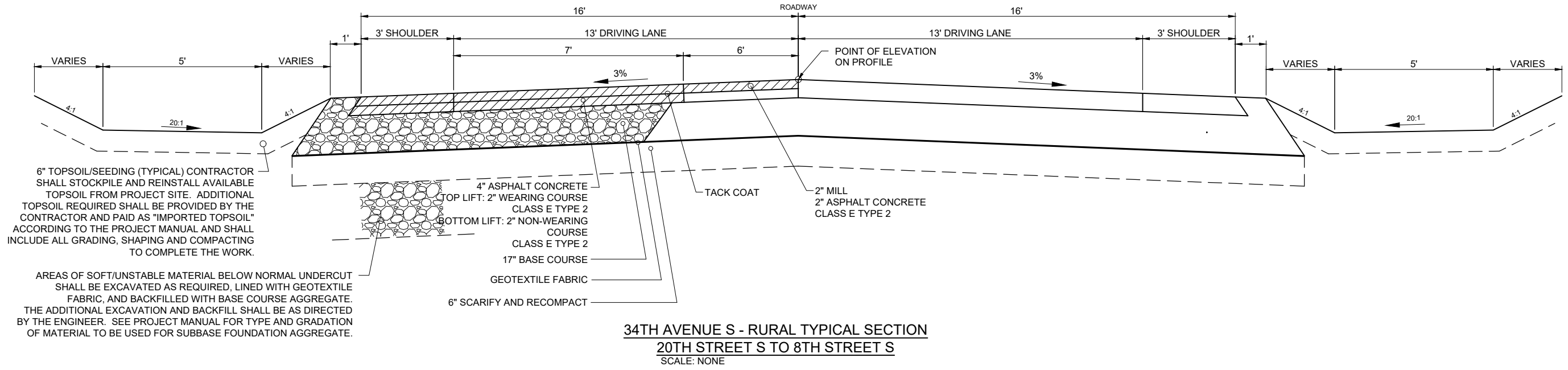


JOB No.: 23627.00.01
 DATE: JULY 2022
 ENG / ARCH: JDB
 DESIGNER: JDB
 TECHNICIAN: AME



SHEET No.:

C-1



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PROJECT / SHEET TITLE: **BMU RAW & TREATED WATER PIPELINES**

TYPICAL ROADWAY SECTIONS

BROOKINGS, SOUTH DAKOTA

| REV. | DATE | DESCRIPTION |
|------|-----------|--------------------------|
| 01 | 7/25/2022 | REVISED TYPICAL SECTIONS |



| | |
|-------------|-------------|
| JOB No.: | 23627.00.01 |
| DATE: | JULY 2022 |
| ENG / ARCH: | JDB |
| DESIGNER: | JDB |
| TECHNICIAN: | AME |

