

CITY OF ROCHESTER, NEW HAMPSHIRE

TARA ESTATES SEWER
PUMP STATION UPGRADE

City of Rochester: Bid 23-01
CWSRF Project Number: CS-330122-19

ADDENDUM NO. 2



To be considered as part of the plans and specifications for the Tara Estates Sewer Pump Station Upgrade:

SPECIFICATIONS

SECTION A – BIDDING REQUIREMENTS – ADVERTISEMENT FOR BIDS

DELETE the sentence “Bid Receipt Date & Time: No later than Wednesday August 10, 2022 at 5:00pm.” in Section A, page A-1.1, section 3, and **REPLACE** with the following:

“Bid Receipt Date & Time: No later than **Wednesday October 5, 2022 at 5:00pm.**”

DELETE the sentence “Bid Opening Date & Time: No later than Thursday August 11, 2022 at 3:00pm.” in Section A, page A-1.1, section 4, and **REPLACE** with the following:

“Bid Opening Date & Time: No later than **Thursday October 6, 2022 at 2:30pm.**”

SECTION 32 12 00 – PAVING

REPLACE the entire section 32 12 00 with the attached specification.

DRAWINGS

SHEET C501

Replace the “PARKING LOTS AND DRIVEWAYS” detail on Sheet C501 with the attached detail.

QUESTIONS

Question: The specs call for 5.5” of pavement and the plans detail 3.5”. Can you clarify the correct section please?

Answer: The specification and pavement detail should both read 4” of ¾” winter binder, with no top course.

ATTACHMENTS

- Revised Specification Section 32 12 00 – Paving
- Drawing AD-2: Revised detail, “PARKING LOTS AND DRIVEWAYS”

END OF ADDENDUM

Revised Specification Section 32 12 00 – Paving

SECTION 32 12 00

PAVING

PART 1 - GENERAL

1.01 WORK INCLUDED:

The Contractor shall furnish all labor, materials and equipment and shall replace the pavements as indicated on the drawings and as herein specified.

1.02 RELATED WORK:

- A. Section 00 31 43 PERMITS
- B. Section 01 14 19.16, DUST CONTROL
- C. Section 31 00 00, EARTHWORK

1.03 SYSTEM DESCRIPTION:

A. GENERAL

The types of pavement systems to be utilized on this project are as follows:

TYPE 1. PARKING LOTS AND DRIVEWAYS

PAVEMENT SCHEDULE

B. TYPE 1. PARKING LOTS AND DRIVEWAYS

Proposed pavement for the Tara Estates Sewer Pump Station Upgrade shall include winter binder course pavement, 4-inches thick installed in multiple lifts.

1.04 REFERENCES

The following standards form a part of these specifications and indicate the minimum standards required:

American Society for Testing and Materials (ASTM)

ASTM D1557 Test for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 10 Pound Rammer and 18-Inch Drop

State of New Hampshire Department of Transportation (NHDOT) Standard Specifications for

	Road and Bridge Construction
NHDOT 304	Aggregate Base Course
NHDOT 306	Reclaimed Stabilized Base
NHDOT 401	Plant Mix Pavements - General
NHDOT 403	Hot Bituminous Pavement
NHDOT 411	Plant Mix Surface Treatment
NHDOT 417	Cold Planing of Bituminous Surfaces
NHDOT 632	Retroreflective Pavement Markings

Federal Specifications

SS-S-1401C	Sealants, Joint, Non-Jet-Fuel-Resistant, Hot Applied, for Portland Cement and Asphalt Concrete Pavement
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American Association of State Highway and Transportation Officials

AASHTO M 220	Standard Specifications for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements
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1.05 SUBMITTALS: IN ACCORDANCE WITH REQUIREMENTS OF GENERAL SPECIFICATIONS, SUBMIT THE FOLLOWING:

Six sets of complete job mix formula shall be submitted to the Engineer at least two weeks before any of the work of this section is to begin.

PART 2 - PRODUCTS

2.01 GRAVEL SUBBASE:

- A. Gravel subbase shall consist of inert material that is hard durable stone and coarse sand, free from loam and clay, surface coatings and deleterious materials.
- B. Gradation requirements for gravel subbase shall be as specified in Section 31 00 00, EARTHWORK for Gravel Borrow.

2.02 HOT MIX ASPHALT (HMA) PAVEMENT:

- A. HMA pavements shall comply with Section 401 Plant Mix Pavements – General.
- B. HMA mixtures shall be within the aggregate size limits of base courses, binder courses and top courses, in accordance with Section 401 Plant Mix Pavements - General, Table

401-1 Design Control Points.

- C. The elastomeric joint seal shall conform to AASHTO M 220.
- D. The tack coat shall be an asphalt emulsion, RS-1, conforming to Section 702 Bituminous Materials.

PART 3 - EXECUTION

3.01 GENERAL:

Paving courses required for the project shall be as specified herein. Pavement thicknesses specified are measured in compacted inches. If a pavement course thickness exceeds 2-1/2 compacted inches, the course shall be installed in multiple lifts with each lift not exceeding 2-1/2 compacted inches in thickness.

3.02 GRAVEL SUBBASE:

- A. The gravel subbase to be placed under pavement shall consist of **12-inches** of gravel evenly spread and thoroughly compacted.
- B. The gravel shall be spread in layers not more than 4-inches thick, compacted measure. All layers shall be compacted to not less than 95 percent of the maximum dry density of the material as determined by ASTM D1557 Method C at optimum moisture content.

3.03 PAVEMENT PLACEMENT:

- A. Unless otherwise permitted by the Engineer for particular conditions, only machine methods of placing the pavement shall be used. The equipment for spreading and finishing shall be mechanical, self-powered pavers, capable of spreading and finishing the mixture true to line, grade, width and crown. The mixtures shall be placed and compacted only at such times as to permit proper inspection and checking by the Engineer.
- B. After the paving mixtures have been properly spread, initial and final compaction shall be obtained by the use of steel wheel rollers having a weight of not less than 8 tons. Intermediate compaction shall be done by a pneumatic-tired roller. The rollers shall provide an operating weight of not less than 2,000 pounds per wheel.
- C. Final rolling of the top course or surface treatment pavement shall be performed at a mix temperature and time sufficient to allow for final smoothing of the surface and thorough compaction.
- D. Immediately after placement of top course or surface treatment pavement, all joints between the existing and new top course or surface treatment pavements shall be sealed with hot poured rubberized asphalt sealant meeting the requirements of Federal Specification SS-S-1401.

- F. When required by the Engineer, the Contractor shall furnish and install additional paving to provide satisfactory transition. The transition installation will be considered incidental to the project.

3.04 PARKING LOTS AND DRIVEWAYS:

- A. Pavement shall consist of a 4-inch winter course on a 12-inch gravel sub-base. All thicknesses are compacted thicknesses.
- B. Adjacent concrete work, slate work, sidewalks, structures, etc., shall be protected from stain and damage during the entire operation. Damaged or stained areas shall be replaced or repaired to equal their original condition.
- C. All joints between binder and top course shall be staggered a minimum of 6-inches.
- D. After final rolling, no vehicular traffic of any kind shall be permitted on the pavement until it has cooled and hardened sufficiently to prevent distortion and loss of fines, and in no case in less than 6 hours.
- E. Smoothness of all areas of the finished surface shall not vary more than 1/4-inch when tested with a 10 foot straight-edge, applied both parallel to and at right angles to the centerline of the paved area. At building entrances, curbs, and other locations where an essentially flush transition is required, pavement elevation tolerance shall not exceed plus or minus 1/8-inch. Irregularities exceeding these amounts, or which retain water on the surface, shall be corrected by removing the defective work and replacing or repairing it to the satisfaction of the Engineer.
- F. The surface area to be seal coated, as shown on the drawings, shall be swept and air cleaned. The first coat shall be applied with eight (8) pounds of #30 silica sand blended with each gallon of emulsion applied at a rate of 0.15 gallons per square yard. The second coat shall be a straight sealer applied at the rate of 0.1 gallons per square yard.

END OF SECTION

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Drawing AD-2: Revised Detail, “PARKING LOTS AND DRIVEWAYS”

Project:
 CITY OF ROCHESTER, NH
 TARA ESTATES SEWER PUMP
 STATION UPGRADE
 724 SALMON FALLS ROAD
 ROCHESTER, NH 03868



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Revisions:		
No.	Date	Description

Issued For:
 ADDENDUM #2

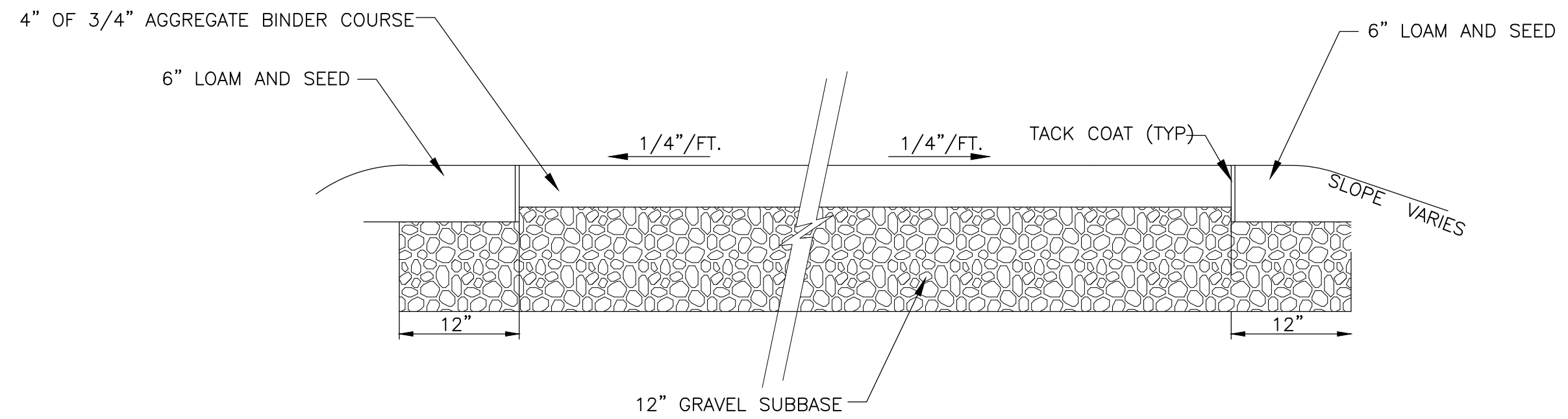
Scale: NO SCALE

Date: 08 / 05 / 2022
 Drawn By: GSP
 Reviewed By: JMS
 Approved By: CMP

W&S Project No.: ENG20-0987
 W&S File No.:

Drawing Title:
**PARKING LOTS AND
 DRIVEWAYS DETAIL**

Sheet Number:
AD-2



PARKING LOTS AND DRIVEWAYS
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