

50/5" | 50/5" | S13 | 34 - 34.3 | 5/4

Page 1: 0-35 feet. Each subsequent page displays 40 feet.

1. Hard drilling at 32'.

LOG OF TEST BORING

DATE/TIME DEPTH(ft) REMARKS SPT HAMMER 140 lb Auto

DRILLER

DRILL RIG

S13: Wet, very dense, coarse GRAVEL, trace Silt.

BB-101

SHEET 1 OF 2

ELEVATION 131

GRID N 2973226

BORING

B. Cross

Mobile B-53

Bruce Freeman Rail Trail

Sudbury, MA

MASSDOT

GROUNDWATER READINGS

PROJECT

JOB NUMBER E2X81800

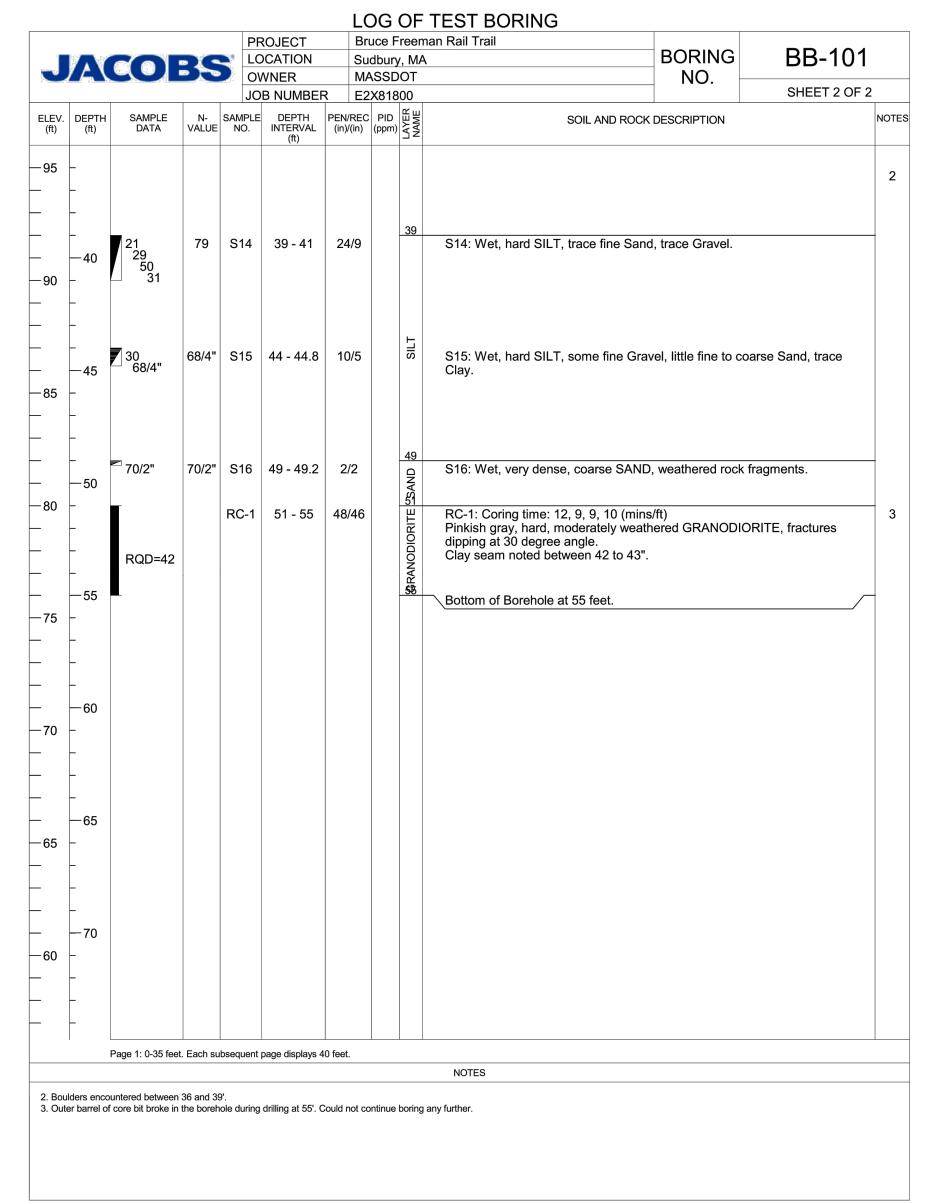
CONTRACTOR NEBC

LOCATION OWNER

INSPECTOR S. Ramesh

METHOD OF DRILLING

0.0 Split Spoon Sample

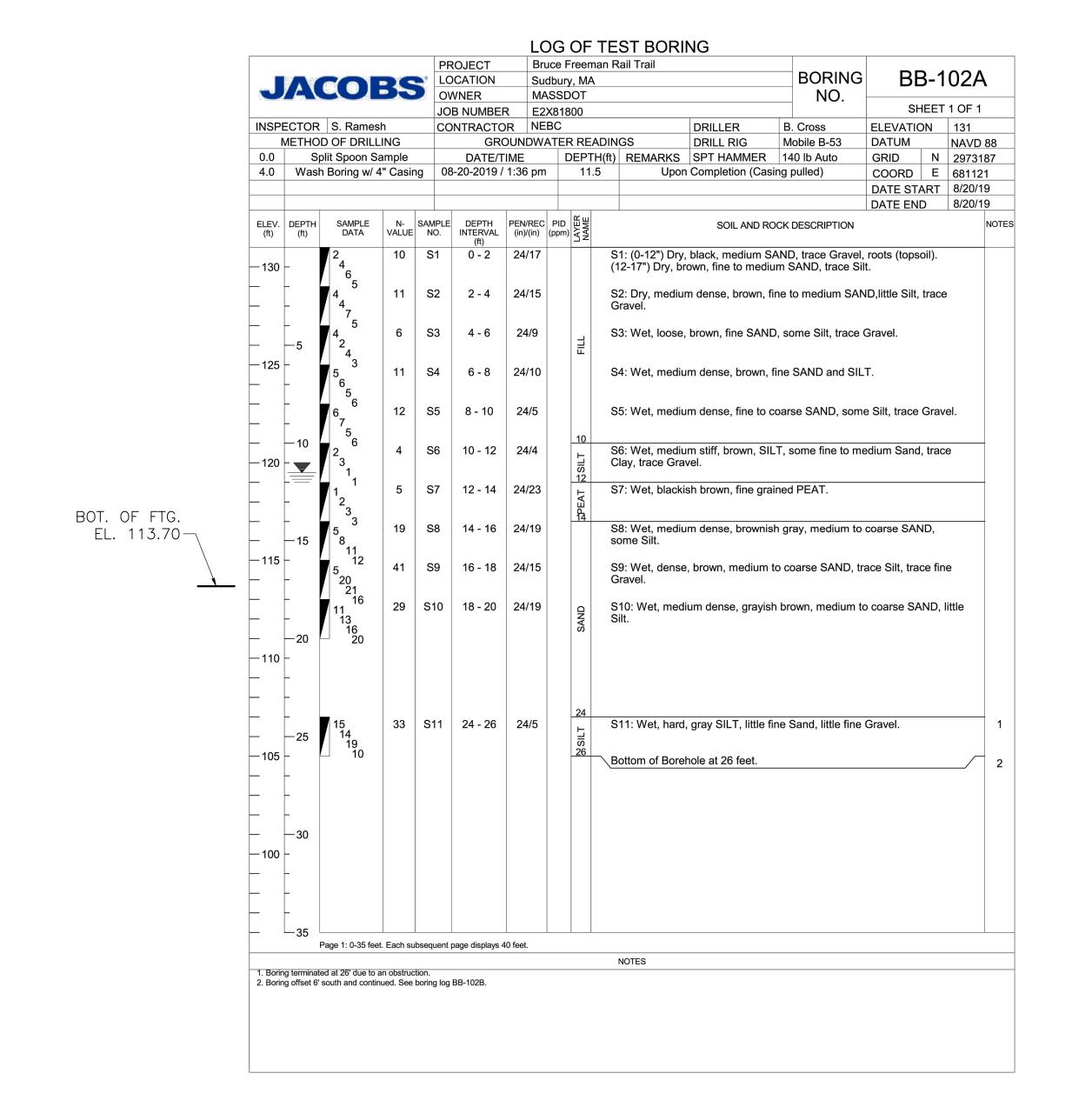


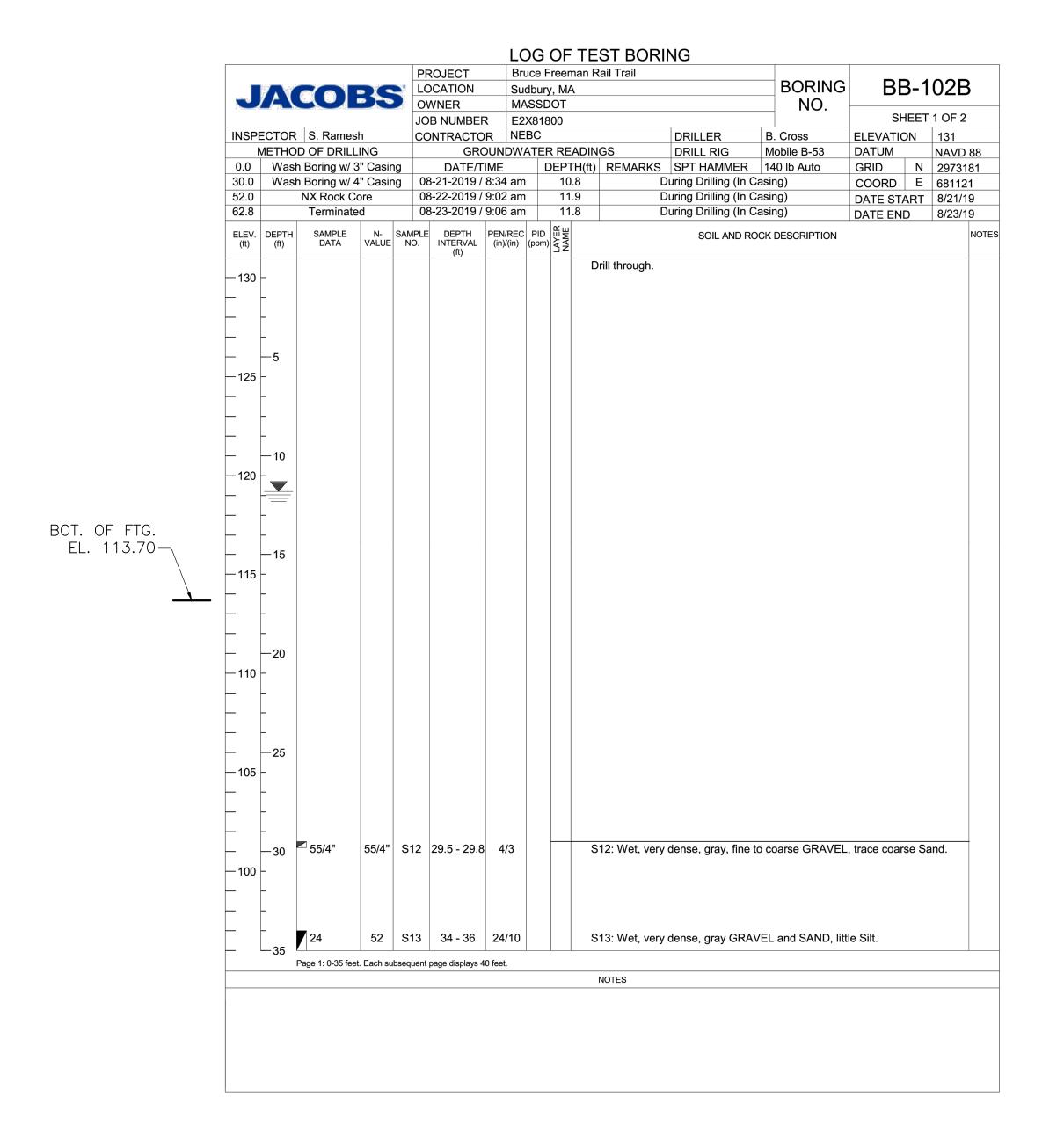
BORING NOTES:

- 1. LOCATION OF BORINGS SHOWN ON THE PLANS THUS: lacktriangle BB-#
- 2. BORINGS ARE TAKEN FOR PURPOSE OF DESIGN AND SHOW CONDITIONS AT BORING POINTS ONLY, BUT DO NOT NECESSARILY SHOW THE NATURE OF THE MATERIALS TO BE ENCOUNTERED DURING CONSTRUCTION.
- 3. WATER LEVELS SHOWN ON THE BORING LOGS WERE OBSERVED AT THE TIME OF TAKING BORINGS AND DO NOT NECESSARILY SHOW THE TRUE GROUND WATER LEVEL.
- 4. FIGURES IN COLUMNS INDICATE NUMBER OF BLOWS REQUIRED TO DRIVE A 18" I.D. SPLIT SPOON SAMPLER 6" USING A 140 POUND WEIGHT FALLING 30".
- 5. ALL BORINGS WERE MADE IN AUGUST 2019.
- 6. BORINGS WERE MADE BY NEW ENGLAND BORING CONTRACTOR, INC., P.O. BOX 165, DERRY, NH 03038.
- 7. THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988 IS USED THROUGHOUT.

BORING NOTES:

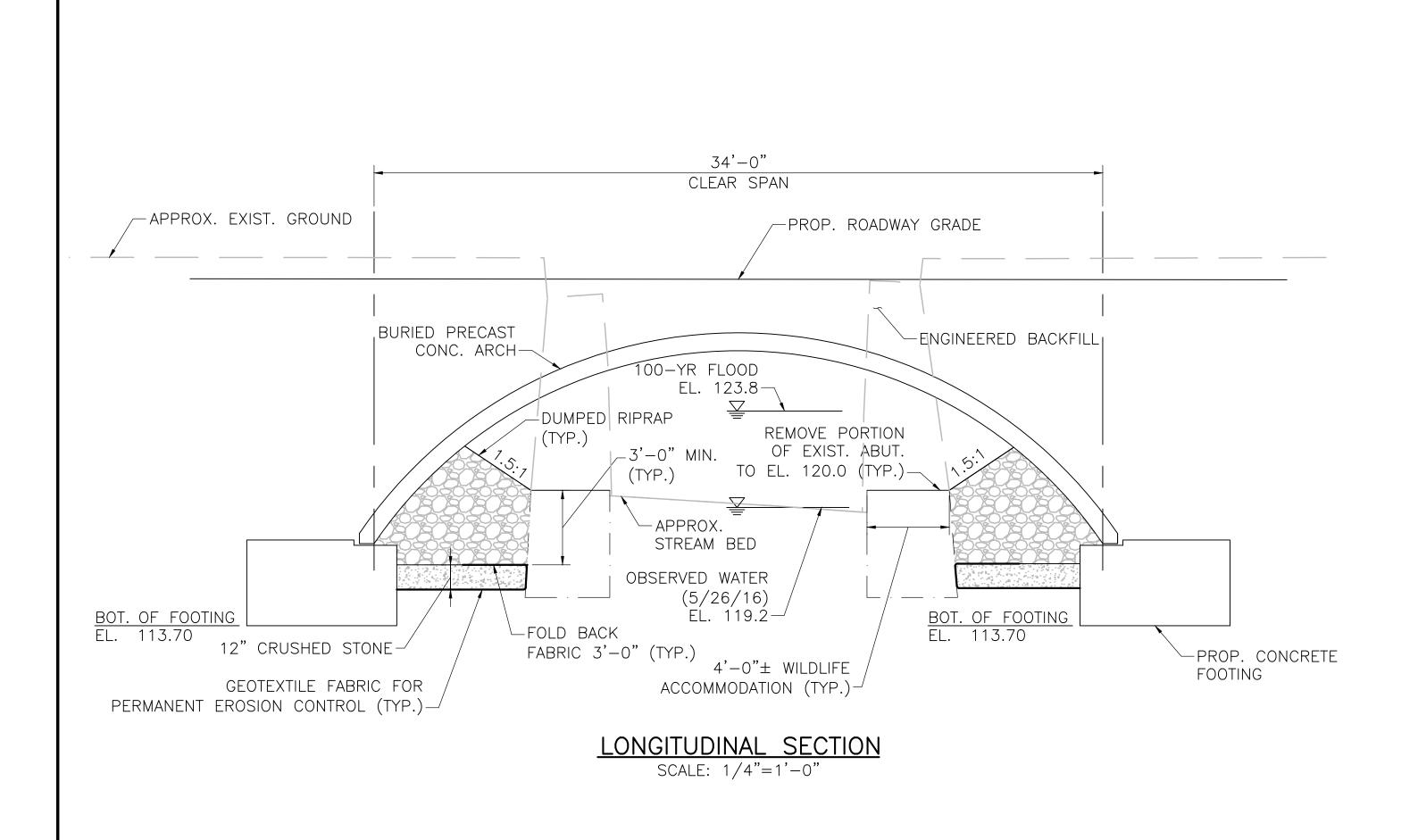
SEE SHEET 2 FOR BORING NOTES.

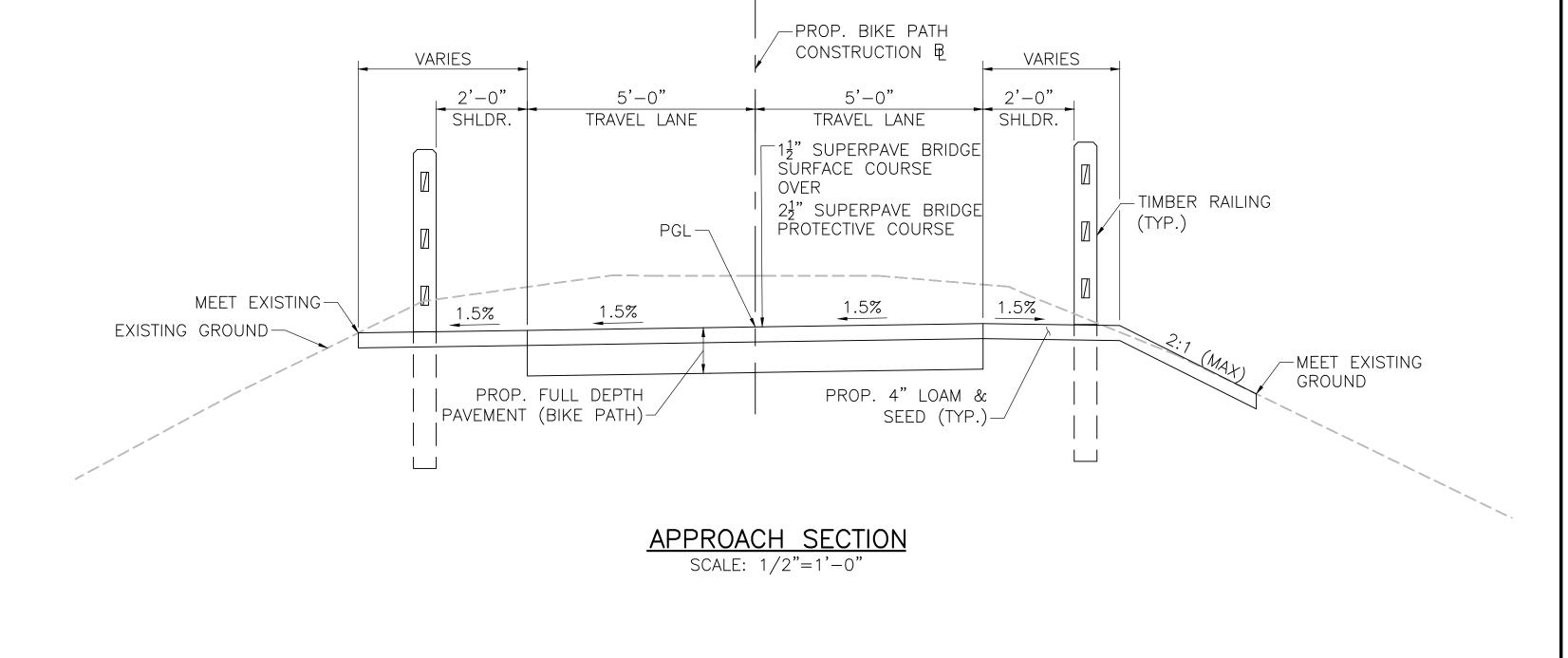


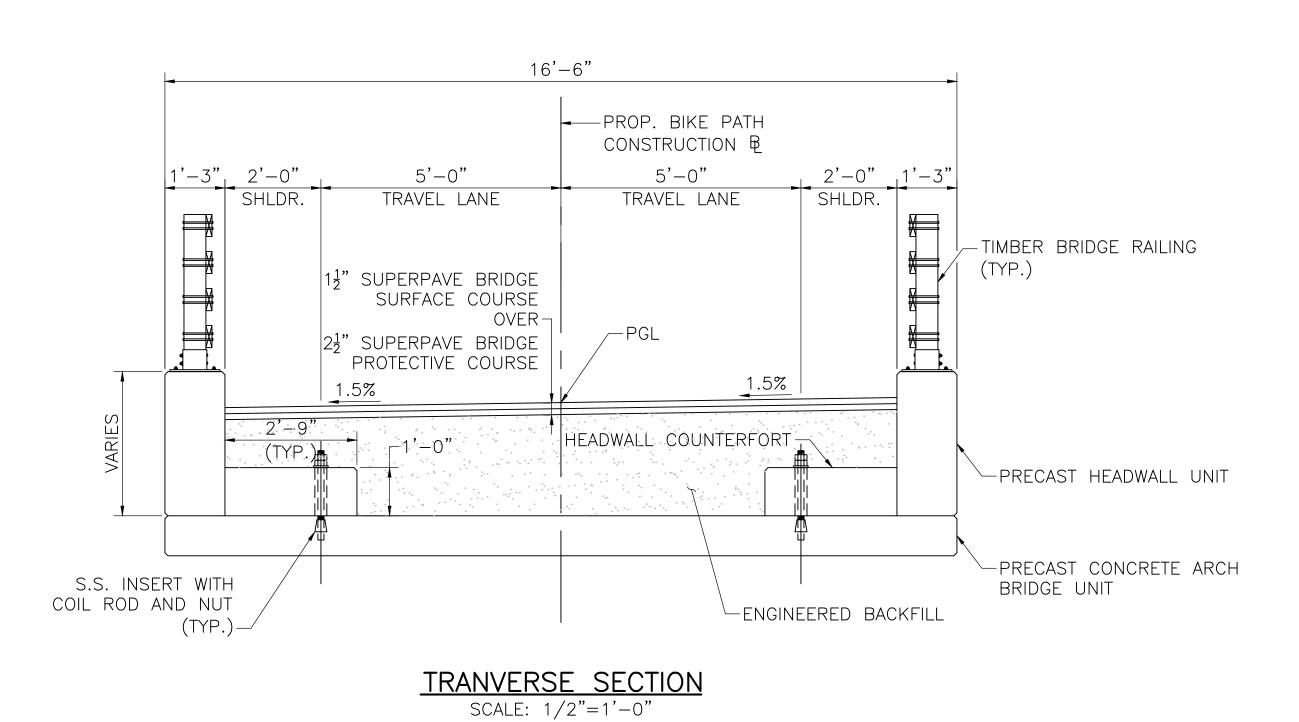


SEE SHEET 2 FOR BORING NOTES.

LOG OF TEST BORING PROJECT
LOCATION
OWNER Bruce Freeman Rail Trail BB-102B BORING Sudbury, MA MASSDOT SHEET 2 OF 2 ELEV. (ft) DEPTH (ft) SAMPLE DATA NO. SAMPLE NO. (ft) DEPTH NO. (f SOIL AND ROCK DESCRIPTION S14: Wet, very dense, gray, fine to coarse GRAVEL, little coarse Sand, trace Silt. 53/4" S14 39 - 39.8 10/5 59 S15 44 - 46 24/21 S15: Wet, hard, gray SILT, some Clay, trace fine Sand, trace Gravel. S16: Wet, hard, gray SILT, some Clay, trace fine to coarse Sand, little Gravel. 82 | S16 | 49 - 50.8 | 22/22 | RC-1: Coring time: 4.5, 5, 4.5, 11 (mins/ft)
Wet, gray, pink grained, moderately to severely weathered, coarse grained GRANODIORITE. RC-1 52 - 55.8 46/46 RQD=57 RC-2: Coring time: 6, 5, 3.5, 2.5, 2 (mins/ft) Similar to RC-1. RC-2 55.8 - 60.8 60/60 RQD=55 RC-3 60.8 - 62.8 24/24 RC-3: Coring time: 2, 3.5 (mins/ft) Similar to RC-1. RQD=73 Bottom of Borehole at 62.8 feet. Page 1: 0-35 feet. Each subsequent page displays 40 feet.







NOTES:

THE PRECAST CONCRETE STRIP FOOTING IS PER CONTRACTOR DESIGN. THEREFORE, THE FACTORED BEARING PRESSURE WILL BE DETERMINED BY THE CONTRACTOR. SLIDING AND OVERTURNING OF THE PRECAST STRIP FOOTING SHALL ALSO BE CHECKED IN THE CONTRACTOR'S DESIGN.

FACTORED BEARING RESISTANCE:

FOOTING WIDTH (FT)	FACTORED BEARING RESISTANCE (KSF)
4	5.2
6	5.7
8	6.1

FACTORED BEARING RESISTANCE IS THE PRODUCT OF THE NOMINAL BEARING RESISTANCE AND A RESISTANCE FACTOR OF 0.45.