

SOIL CLASSIFICATION

AASHTO

- A1 Gravel and Sand
- A3 Fine Sand
- A2 Silty or Clayey Gravel and Sand
- A4 Silty Soil - Low Compressibility
- A5 Silty Soil - Highly Compressible
- A6 Clayey Soil - Low Compressibility
- A7 Clayey Soil - Highly Compressible

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	Very Poor
25 to 50	Poor
51 to 75	Fair
76 to 90	Good
>90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

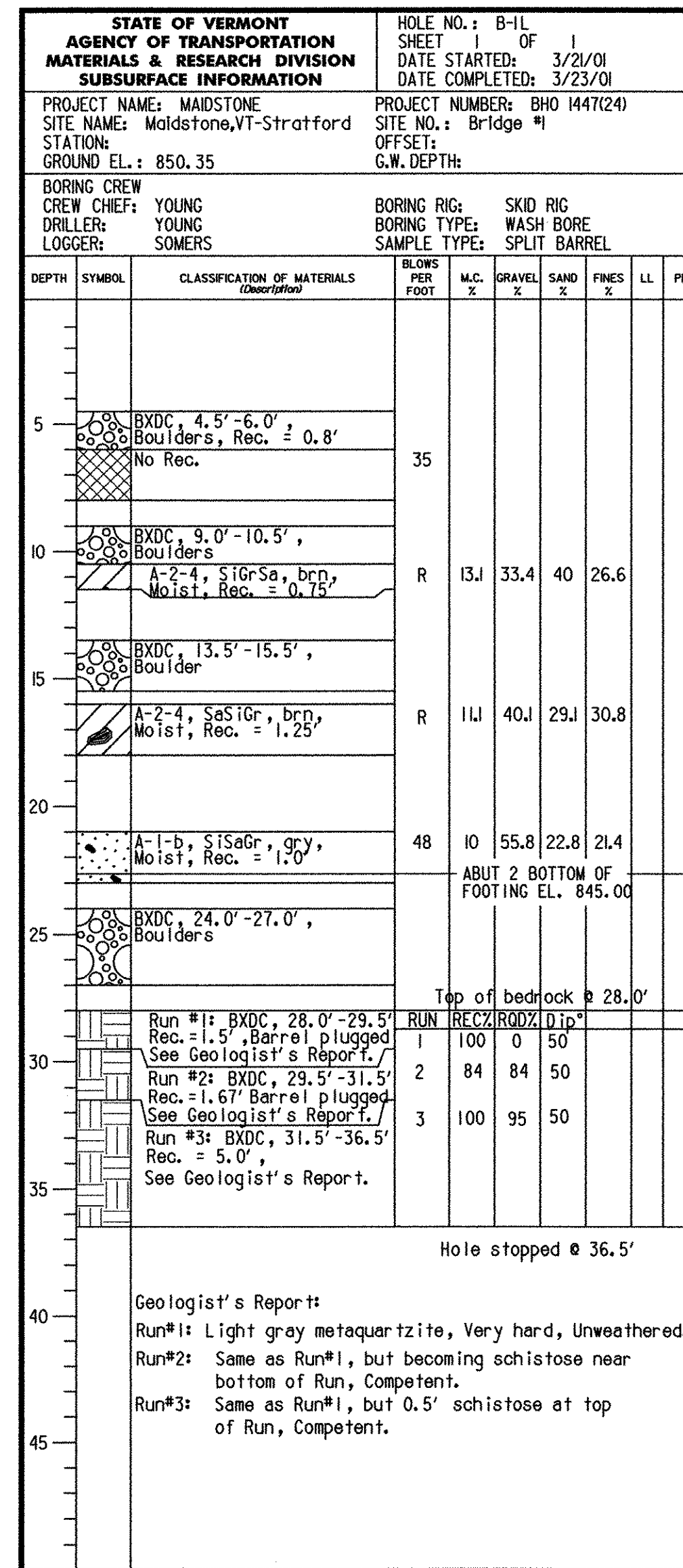
CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

DENSITY (GRANULAR SOILS)	CONSISTENCY (COHESIVE SOILS)
DESCRIPTIVE TERM	DESCRIPTIVE TERM
N <5	Very Loose
5-10	Loose
11-24	Med. Dense
25-50	Dense
>50	Very Dense
N <2	Very Soft
2-4	Soft
5-8	Med. Stiff
9-15	Stiff
16-30	Very Stiff
31-60	Hard
>60	Very Hard

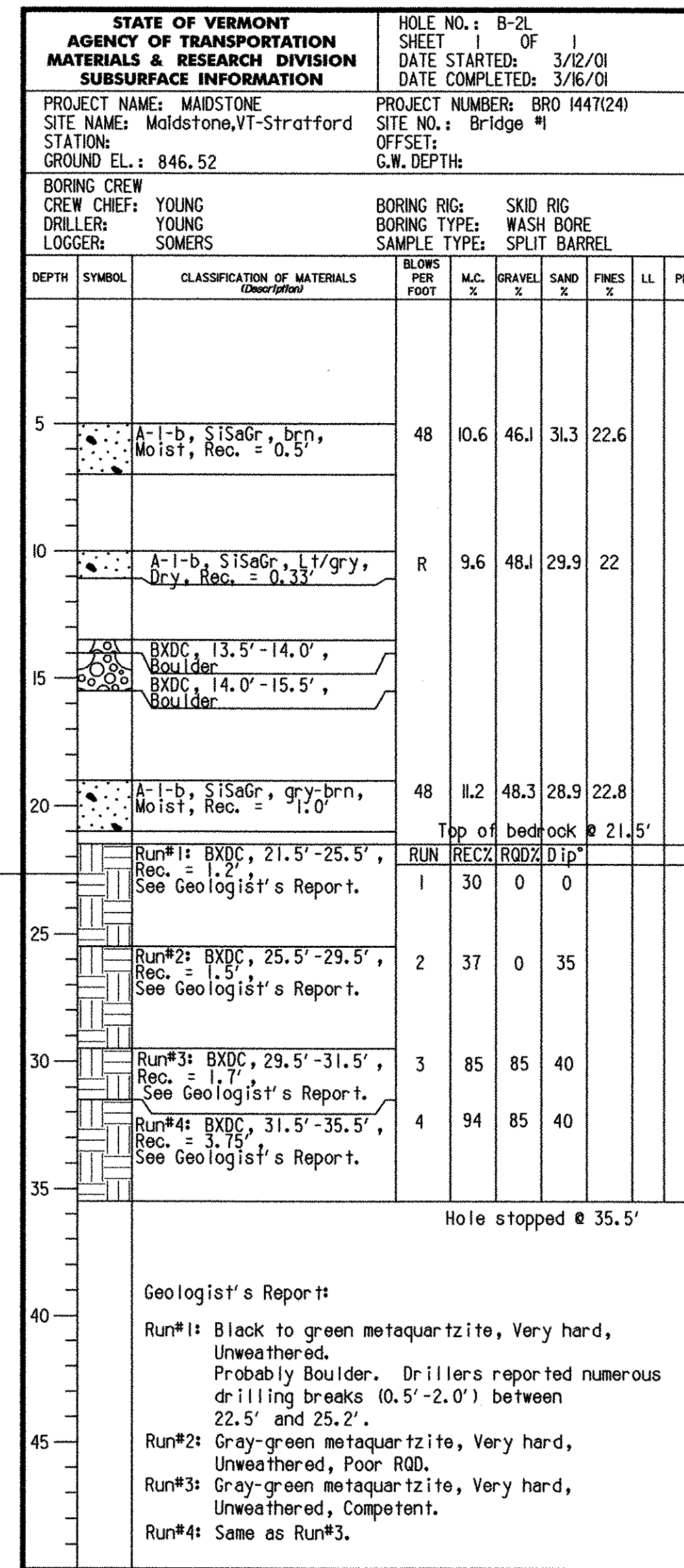
COMMONLY USED SYMBOLS

- ▼ Water Elevation
- ⊙ Standard Penetration Boring
- ⊕ Auger Boring
- ⊖ Rod Sounding
- ⊙ Sample
- ⊖ Standard Penetration Test
- ⊖ Blow Count Per Foot For:
- ⊖ 2" O.D. Sampler
- ⊖ 1 1/2" I.D. Sampler
- ⊖ Hammer Weight Of 140 Lbs.
- ⊖ Hammer Fall Of 30"
- VS Field Vane Shear Test
- US Undisturbed Soil Sample
- B Blast
- DC Diamond Core
- MD Mud Drill
- WA Wash Ahead
- NSA Hollow Stem Auger
- AX Core Size 1 1/8"
- BX Core Size 1 3/8"
- NX Core Size 2 1/8"
- M Double Tube Core Barrel Used
- LL Liquid Limit
- PL Plastic Limit
- PI Plasticity Index
- NP Non Plastic
- w Moisture Content (Dry Wgt. Basis)
- D Dry
- M Moist
- MTW Moist To Wet
- W Wet
- Sat Saturated
- Bo Boulder
- Gr Gravel
- Sa Sand
- SI Silt
- Cl Clay
- HP Hardpan
- Le Ledge
- NLTD No Ledge To Depth
- CNPF Can Not Penetrate Further
- TLOB To Ledge Or Boulder
- NR No Recovery
- Rec. Recovery
- %Rec. Percent Recovery
- RQD Rock Quality Designation
- CBR California Bearing Ratio
- < Less Than
- > Greater Than
- R Refusal (N > 100)

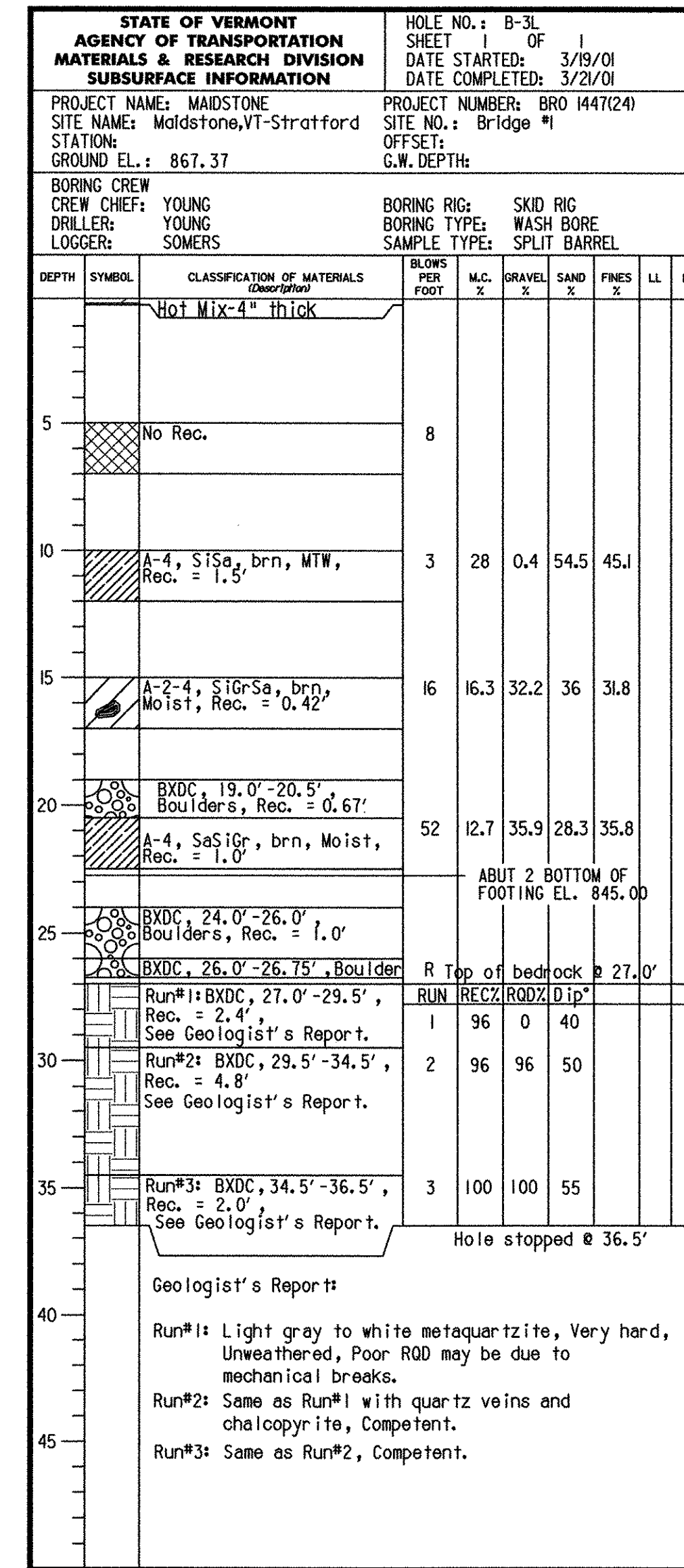
COLOR	
bik	Black
bl	Blue
brn	Brown
dk	Dark
gr	Gray
gn	Green
lt	Light
or	Orange
pnk	Pink
pu	Purple
rd	Red
tn	Tan
wh	White
yel	Yellow
mitc	Multicolored



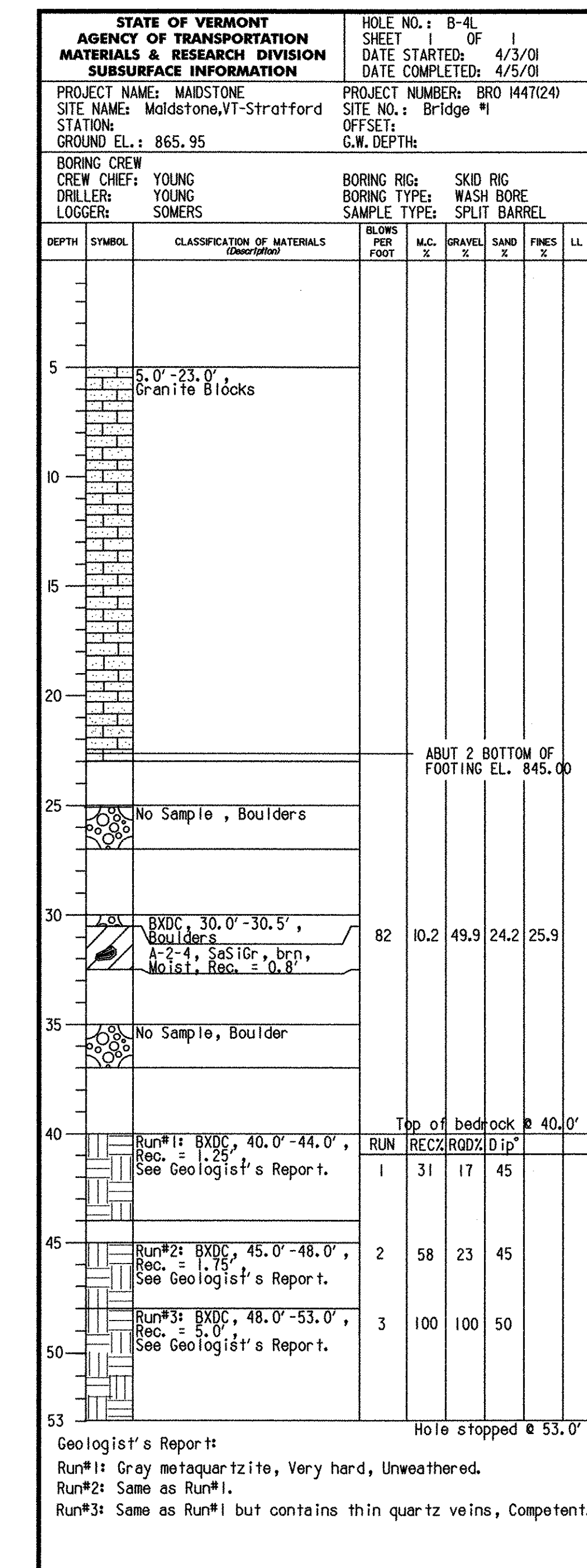
ABUTMENT 2, WW3 & WW4
BOTTOM OF FOOTING EL. 845.00



Hole stopped @ 35.5'



Hole stopped @ 36.5'



Hole stopped @ 53.0'

BORINGS B-1, B-2, B-3, B-4, B-4A, B-5, B-5A, & B-5B DONE ON 03/27/01 - 04/12/01.
BORINGS B-1L, B-2L, B-3L, B-4L, & B-6L DONE ON 03/12/01 - 04/05/01.
BORINGS D, H, I, E, J, L, & A DONE ON 12/4/01 - 02/20/02.

GENERAL NOTES

- The subsurface explorations shown herein were made between SEE ABOVE and SEE ABOVE by the Agency.
- Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
- Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
- Engineering judgment was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgment by the Contractor.
- Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
- Terminology used on boring logs to describe the hardness, degree of weathering, and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.



STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	MAIDSTONE, VT	Bridge No.	1
	STRATFORD, NH	Log Sta.	
Highway No.	MAIDSTONE STATE HWY	Surv. Sta.	

BORING SHEET 4	
Designed By	J. MESSIER
Checked By	Date
D.B. SULLIVAN	08/01/03
PROJECT	MAIDSTONE-STRATFORD
PROJECT NO.	BHO 1447 (24)
I.G.C. Info.	
Bridge Sheet No.	Sheet 31 of 65

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