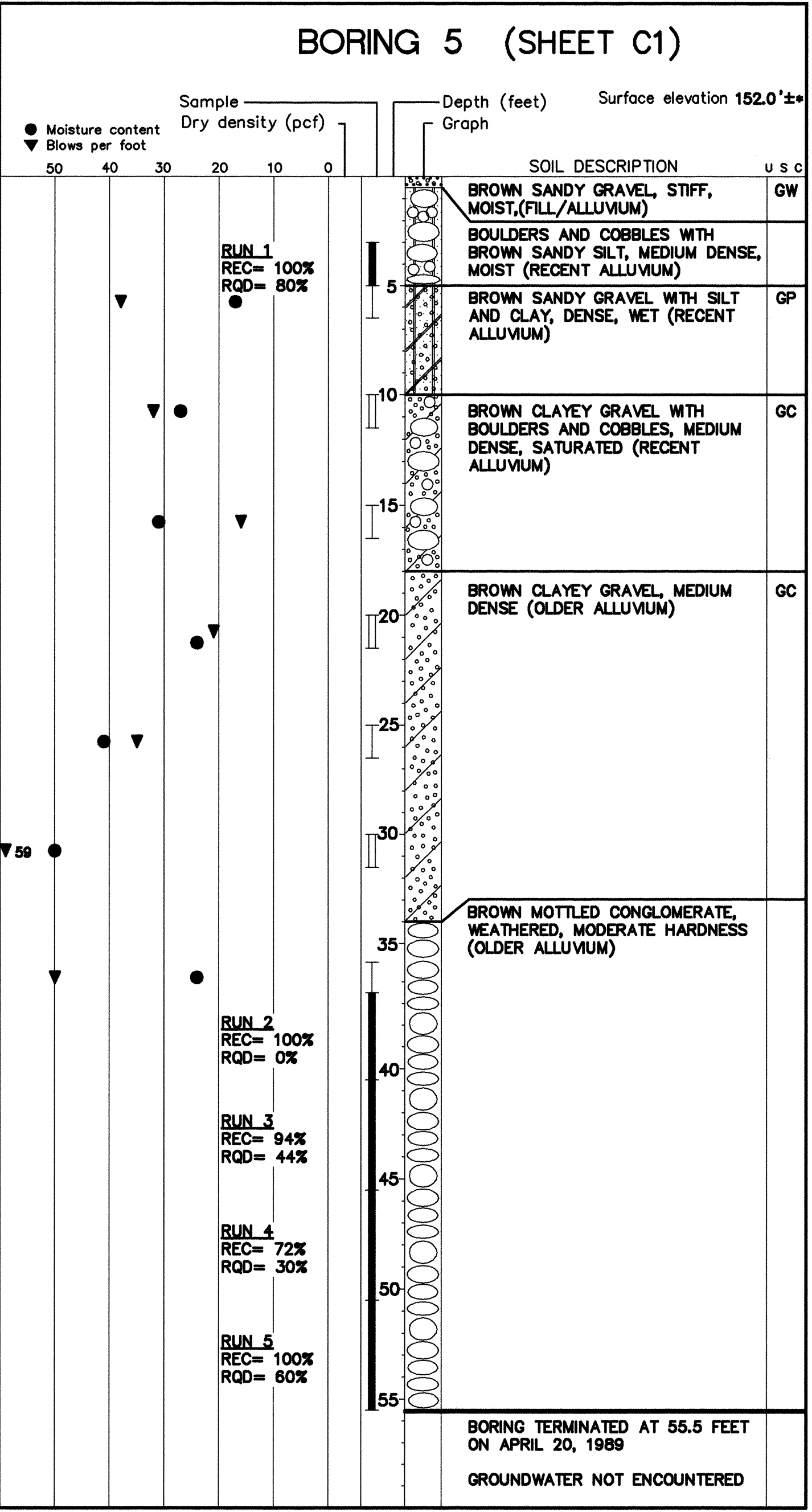
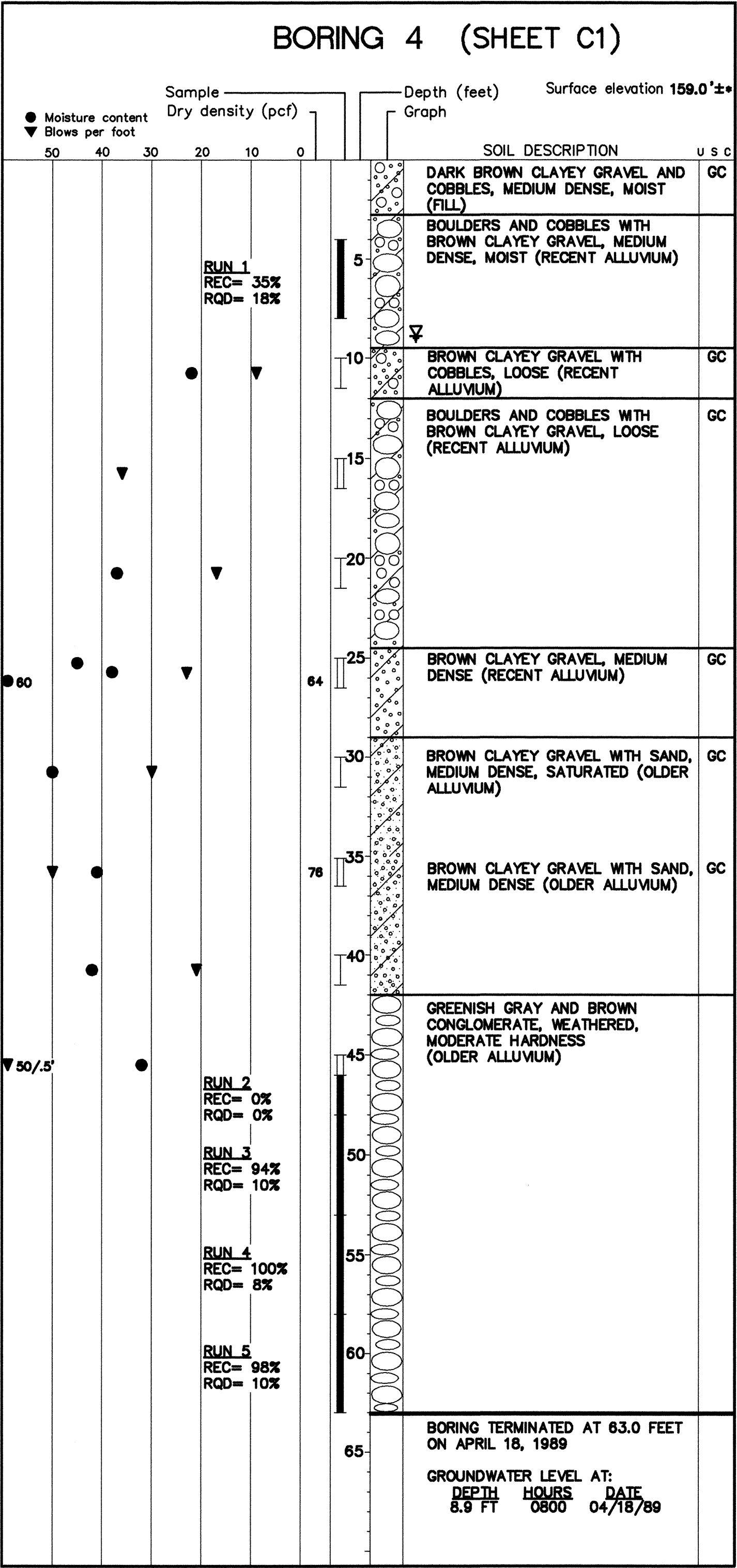
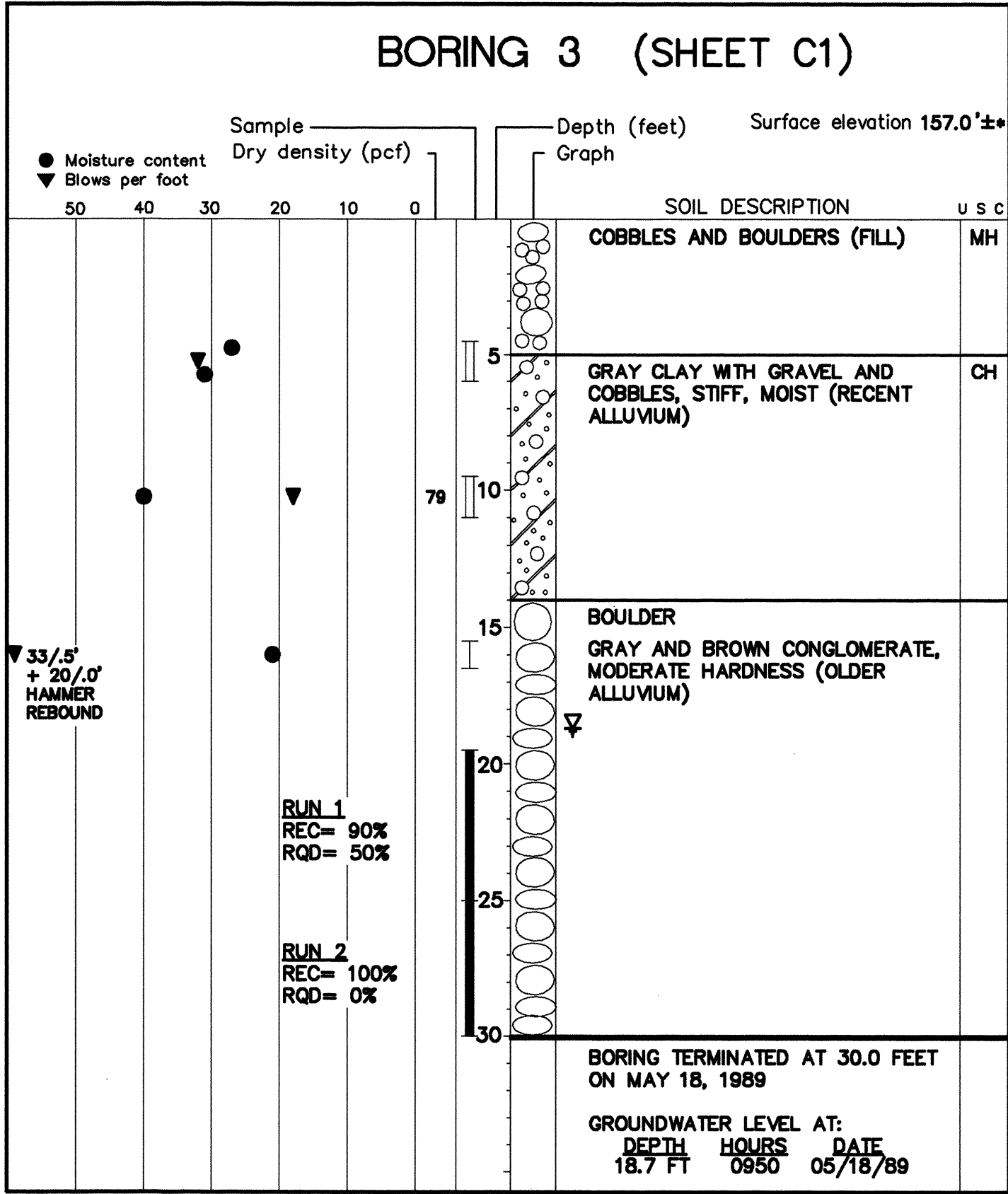
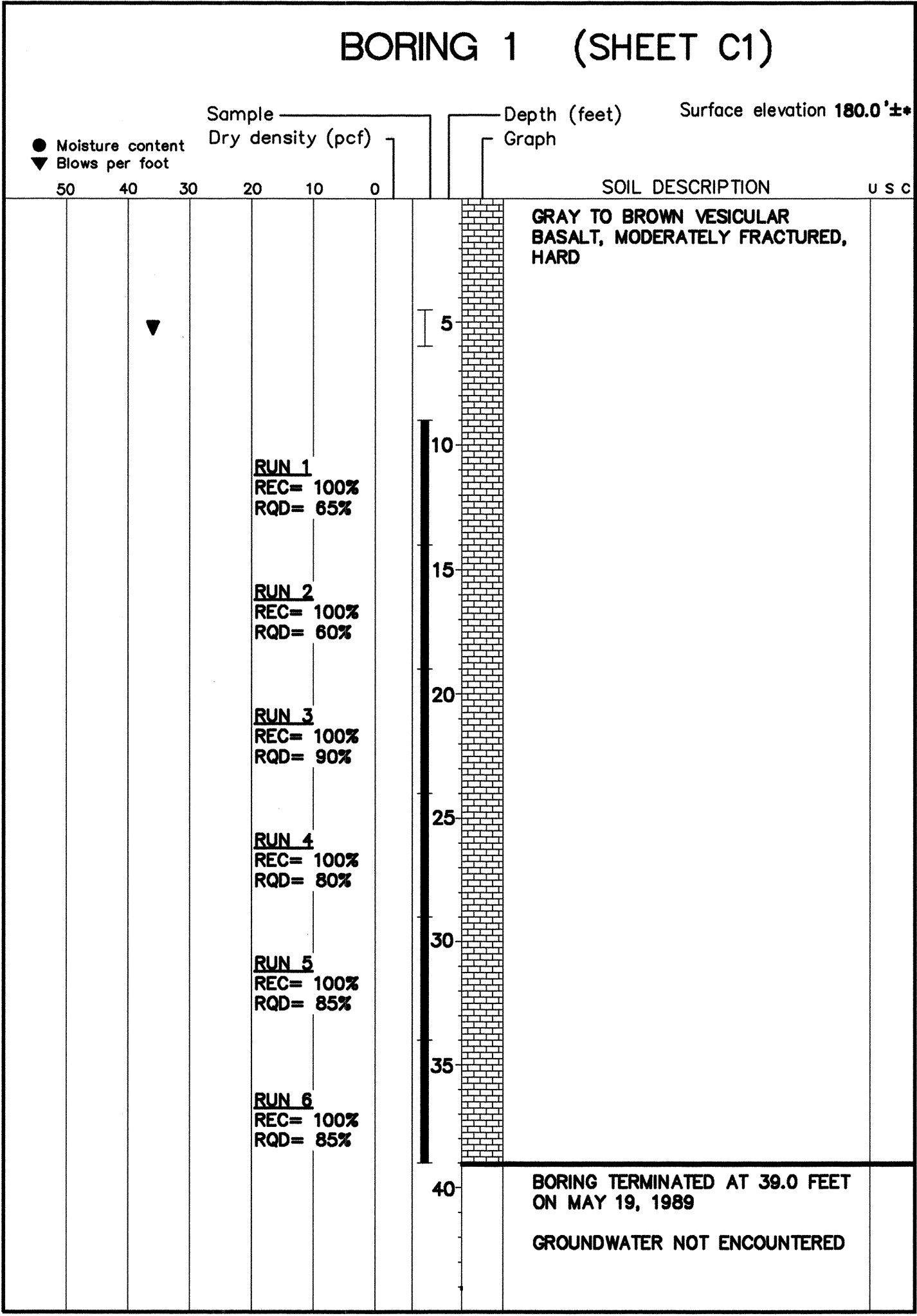


FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(59)	1993	ADD 146	211



* ELEVATIONS ESTIMATED FROM GRADING AND DRAINAGE PLANS (UNDATED) BY PAREN, INC..

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTED	
NO.	

LEGEND

I 2.0" O.D. split-spoon sample

II Undisturbed ring sample

III Disturbed ring sample

IV Core sample

Is Shelby tube sample

P Sampler pushed

Plastic limit

Liquid limit

Natural water content

Water level

Torvane Shear (psf)

FV Field Vane Shear (psf)

Driving energy: 140 lb. wt., 30" drop

BORING LOG

GEOLABS-HAWAII

Foundation Engineering • Soil Engineering • Geology

W.O. 2254-00 MAY 1989

PLATE

BOB Y. K. WONG

REGISTERED PROFESSIONAL ENGINEER

No. 3862

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Bob Y. K. Wong 6-25-93

SIGNATURE DATE

*** SIGNATURE HAS BEEN DIGITIZED ***

9/30/93

ADDED NOTE FOR BORING LOCATIONS

DATE REVISION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LOG OF BORINGS

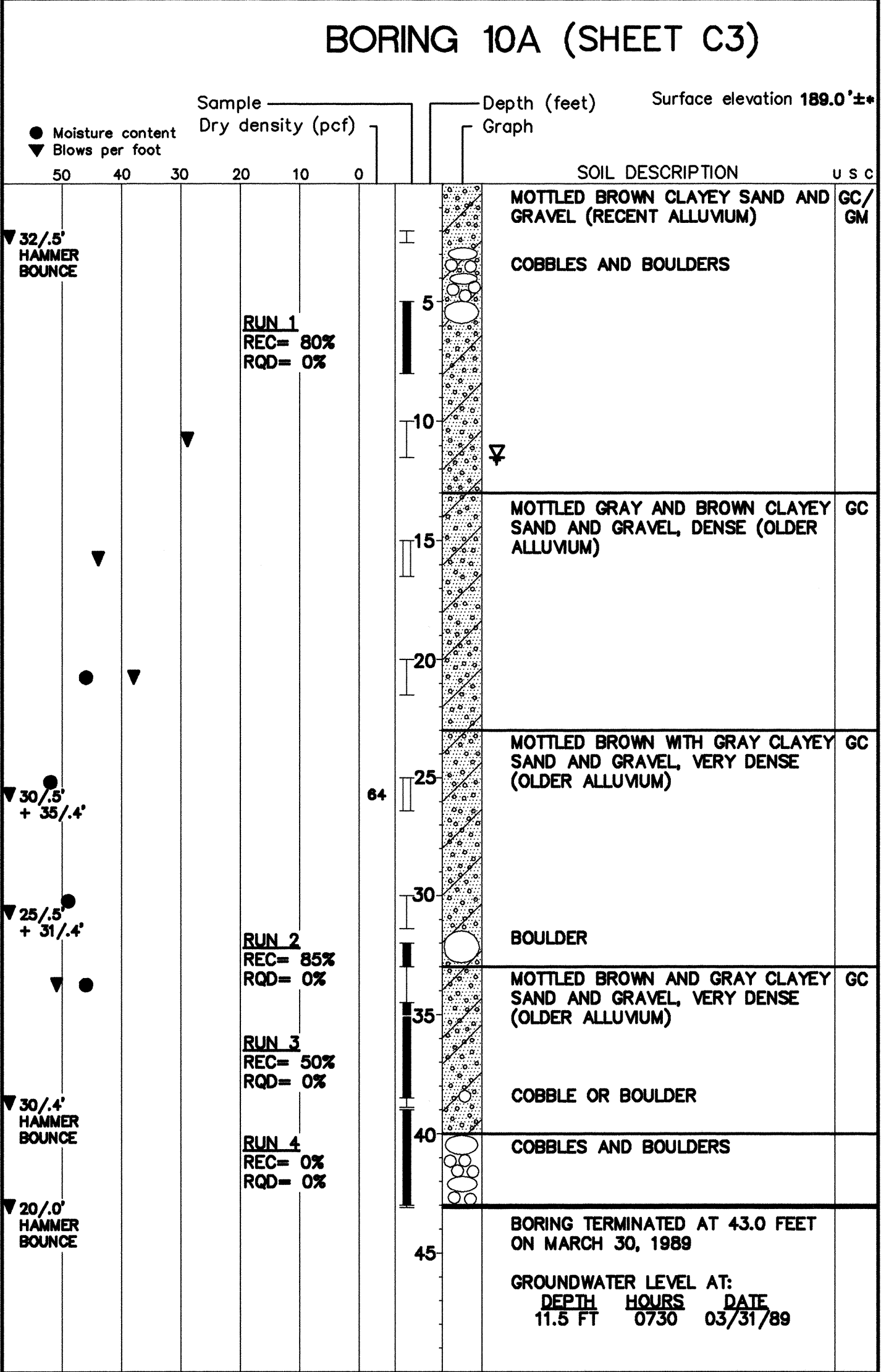
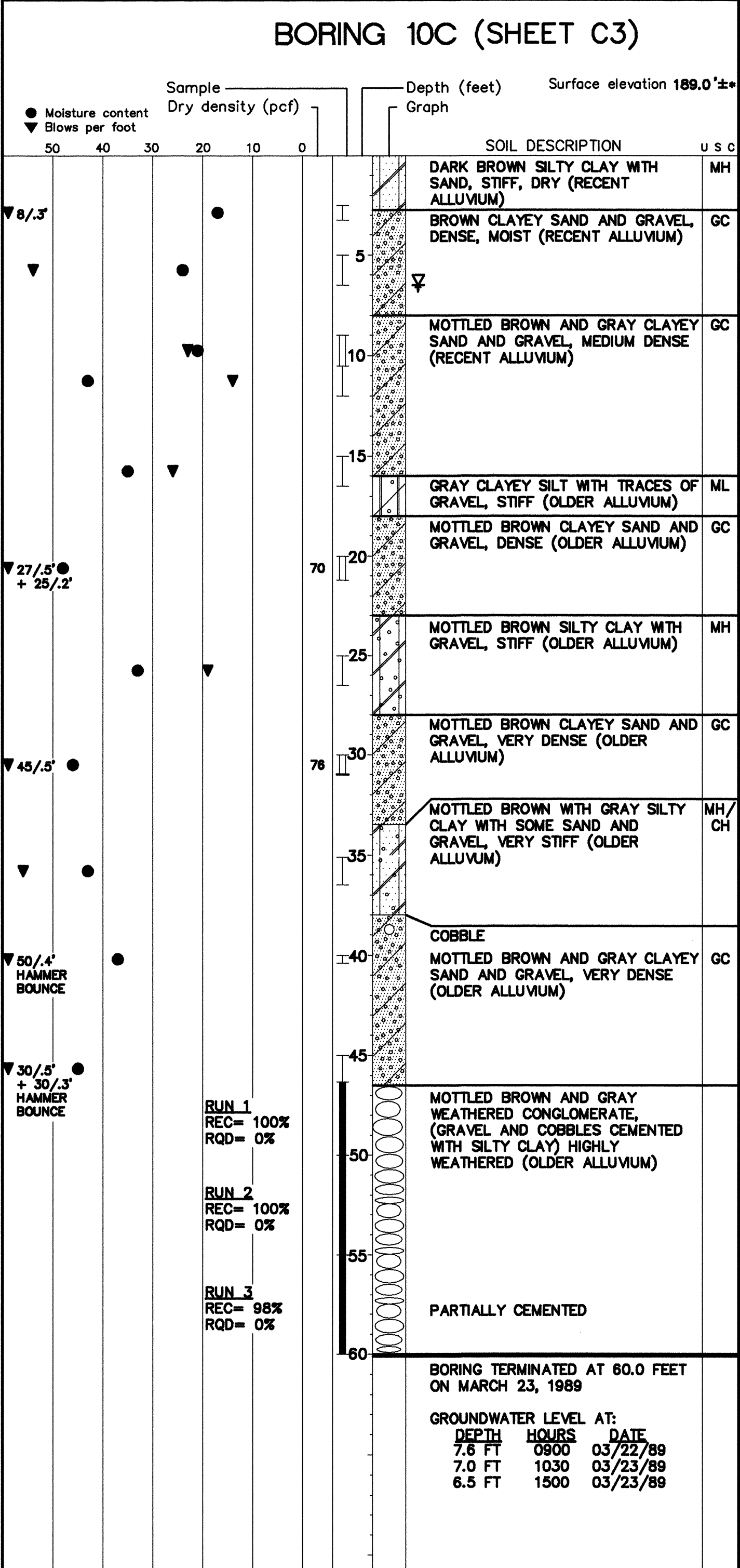
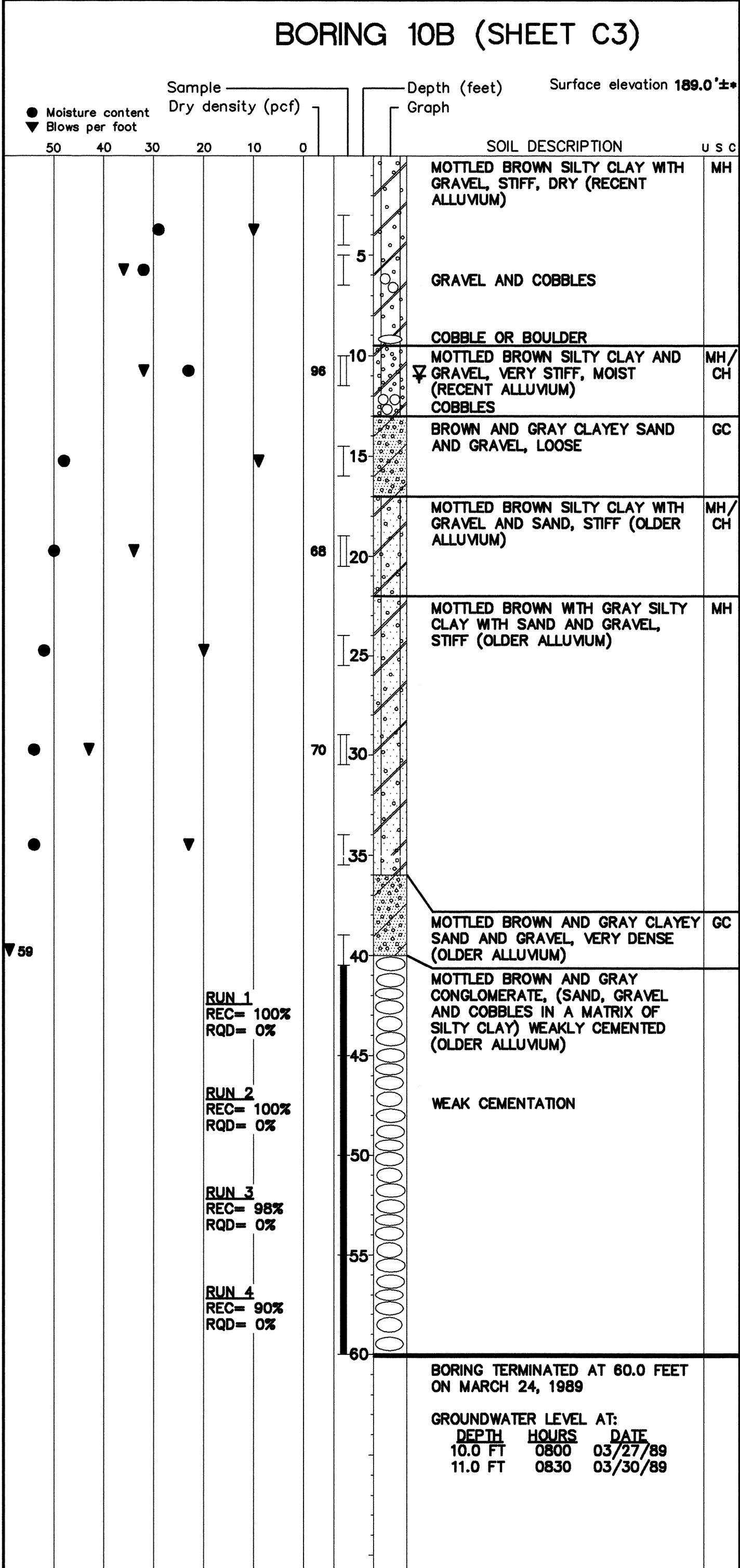
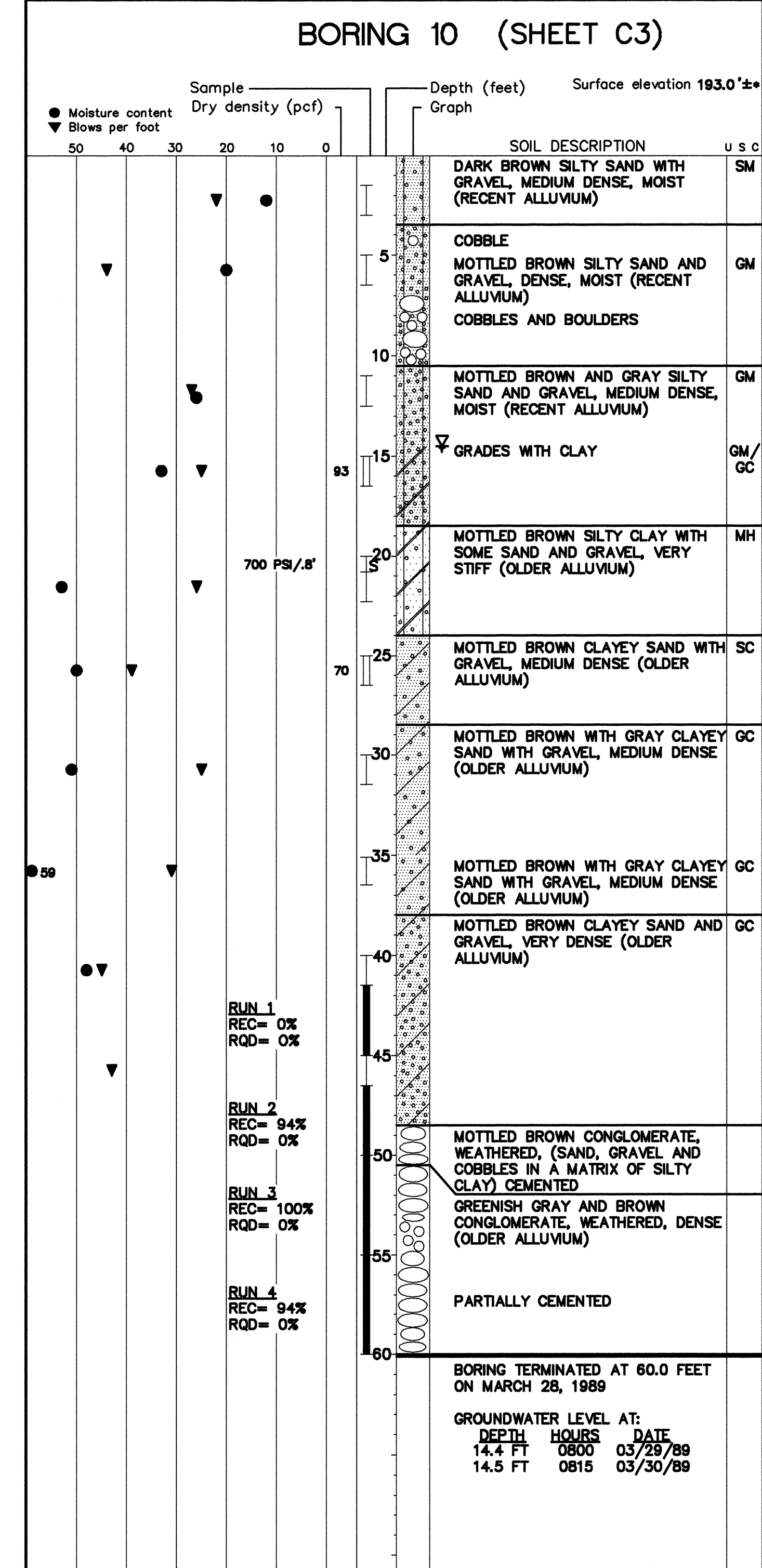
INTERSTATE ROUTE H-3

F.A.I. PROJECT NO. I-H3-1(59)

NOT TO SCALE DATE: JUNE 1993

SHEET No. B1 OF 6 SHEETS

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(59)	1993	148	211



DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

LEGEND

2.0" O.D. split-spoon sample

Undisturbed ring sample

Disturbed ring sample

Core sample

Shelby tube sample

Sampler pushed

Plastic limit

Liquid limit

Natural water content

Water level

Torvane Shear (psf)

Field Vane Shear (psf)

Driving energy: 140 lb. wt., 30" drop

BORING LOG

GEOLABS-HAWAII

Foundation Engineering • Soil Engineering • Geology

W.O. 2254-00 MAY 1989

PLATE

* ELEVATIONS ESTIMATED FROM GRADING AND DRAINAGE PLANS (UNDATED) BY PAREN, INC.

BOB Y. K. WONG

REGISTERED PROFESSIONAL ENGINEER

No. 3862

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Signature: Bob Y. K. Wong 6-25-93

DATE: 6/25/93

*** SIGNATURE HAS BEEN DIGITIZED ***

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LOG OF BORINGS

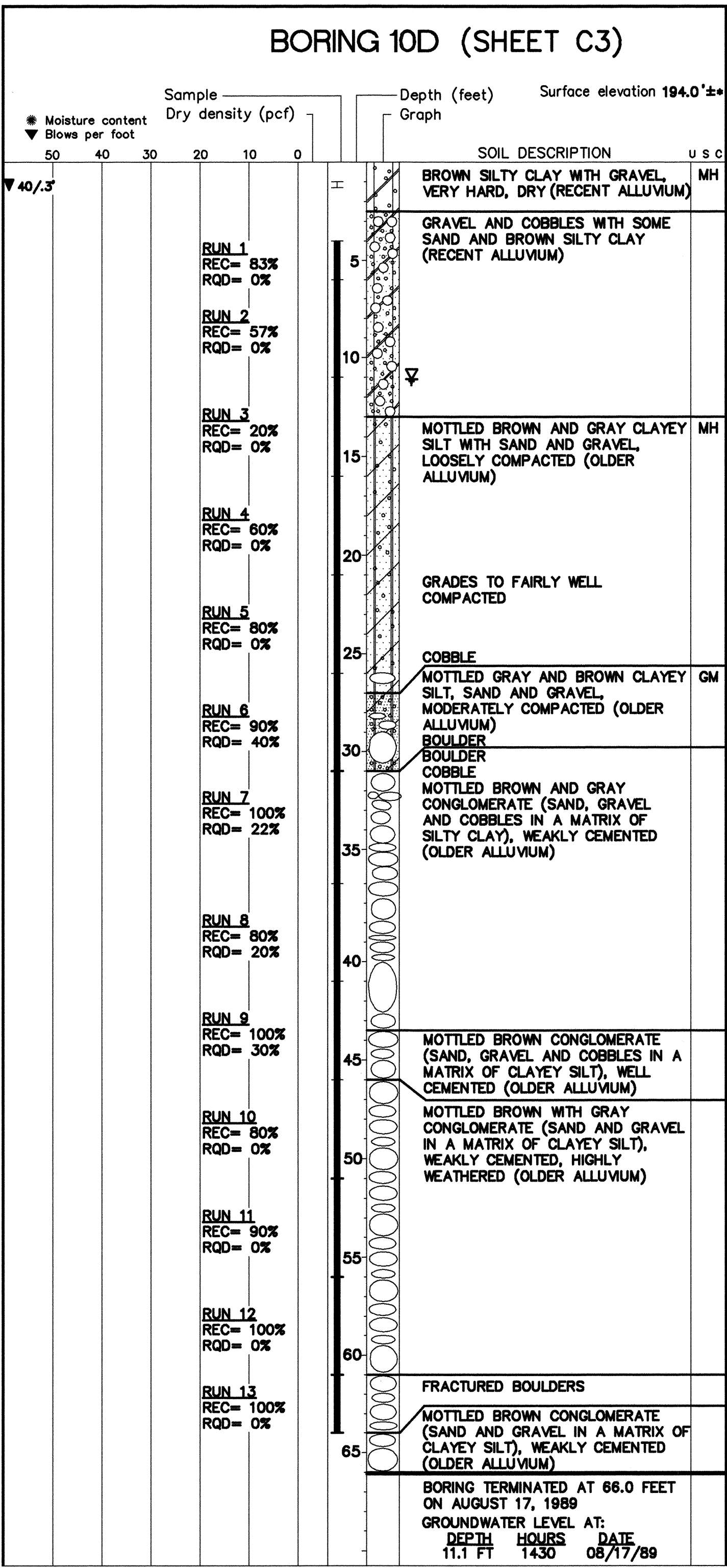
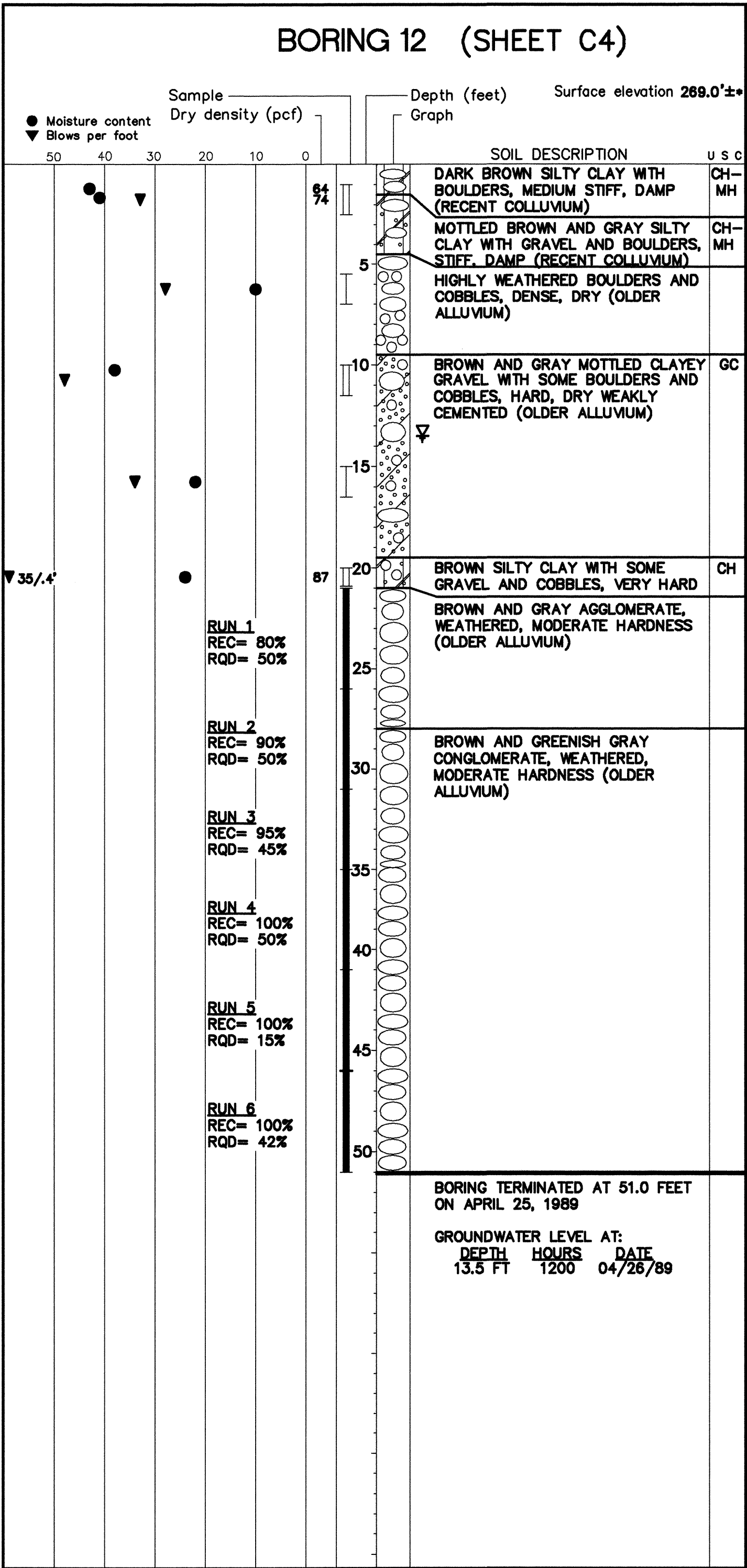
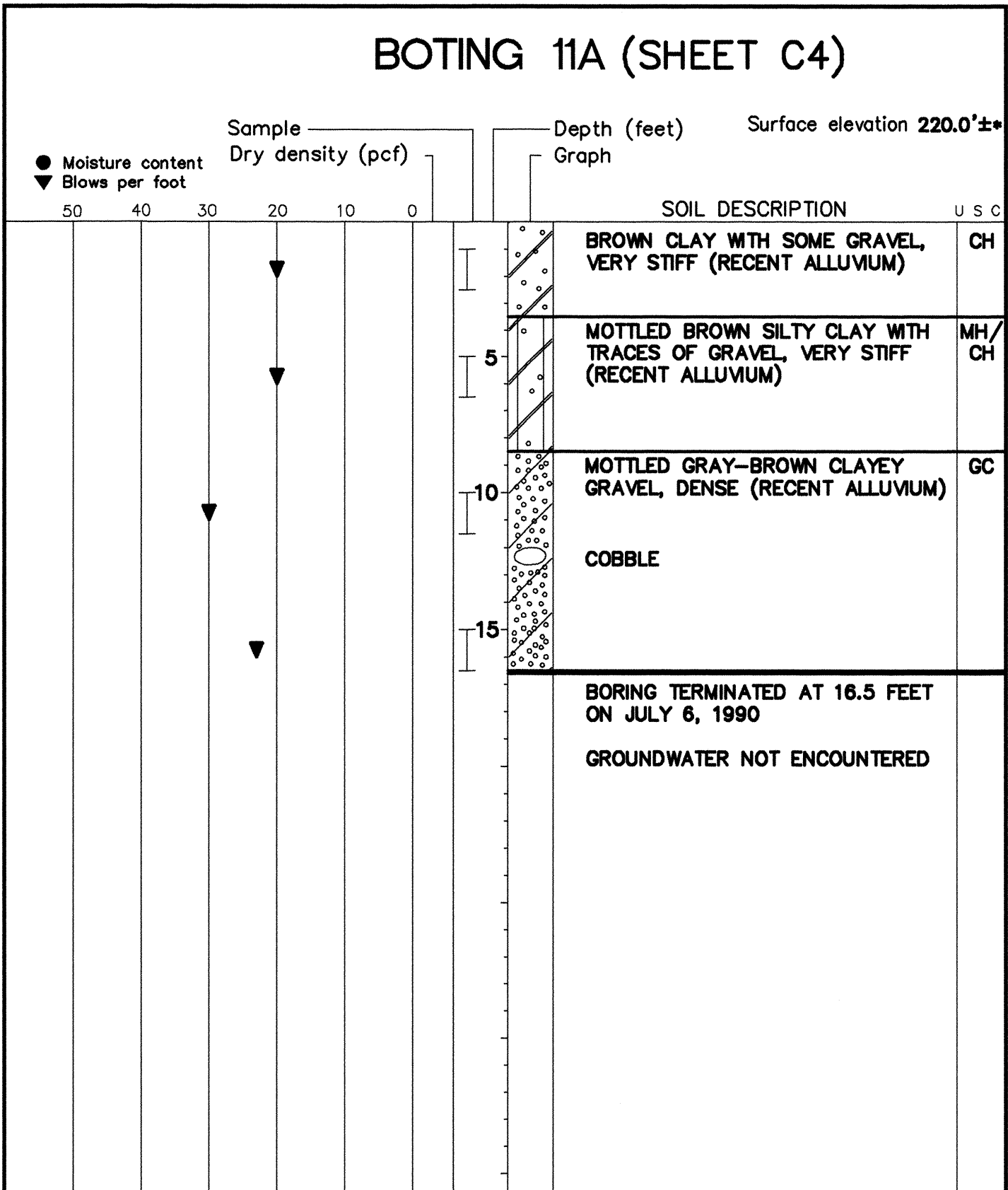
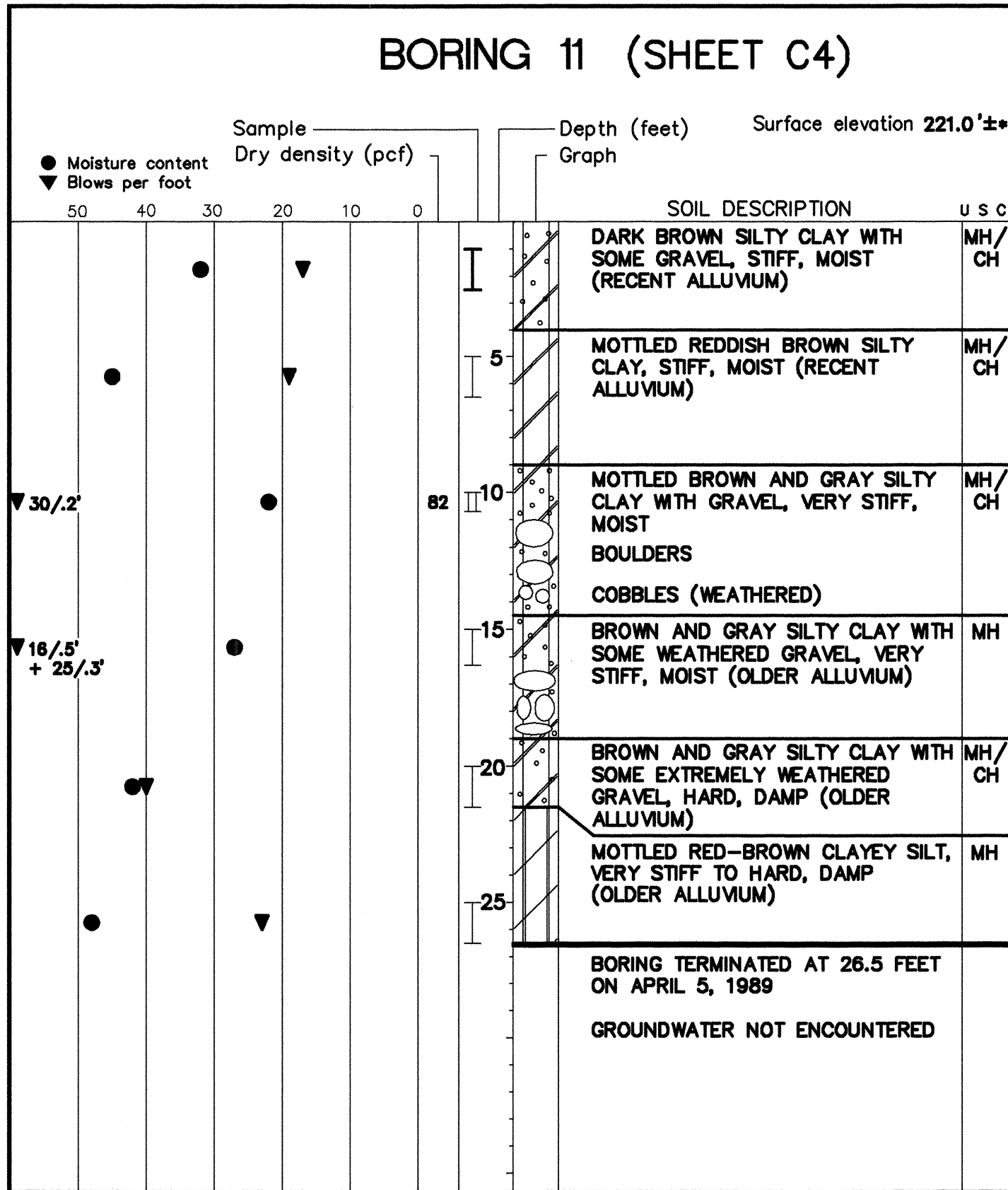
INTERSTATE ROUTE H-3

F.A.I. PROJECT NO. I-H3-1(59)

NOT TO SCALE DATE: JUNE 1993

SHEET No. B3 OF 6 SHEETS

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(59)	1993	149	211



* ELEVATIONS ESTIMATED FROM GRADING AND DRAINAGE PLANS (UNDATED) BY PAREN, INC..

LEGEND

I 2.0" O.D. split-spoon sample

II Undisturbed ring sample

III Disturbed ring sample

IV Core sample

IS Shelby tube sample

P Sampler pushed

Plastic limit

Liquid limit

Natural water content

Water level

Torvane Shear (psf)

FV Field Vane Shear (psf)

Driving energy: 140 lb. wt., 30" drop

BORING LOG

GEOLABS-HAWAII

Foundation Engineering • Soil Engineering • Geology

W.O. 2254-00 MAY 1989

PLATE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Bob Y. K. Wong 6-25-93

SIGNATURE DATE

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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LOG OF BORINGS

INTERSTATE ROUTE H-3

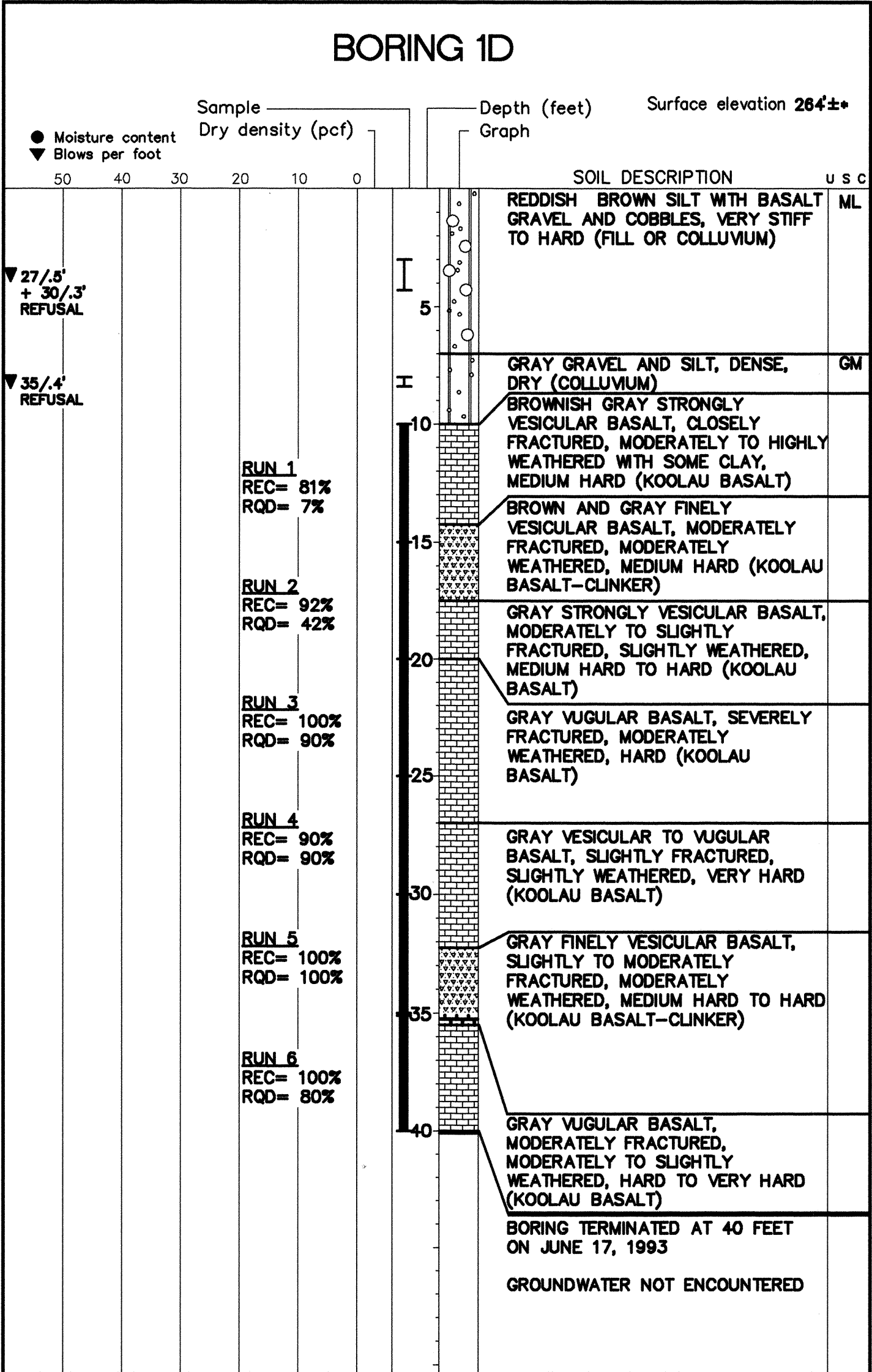
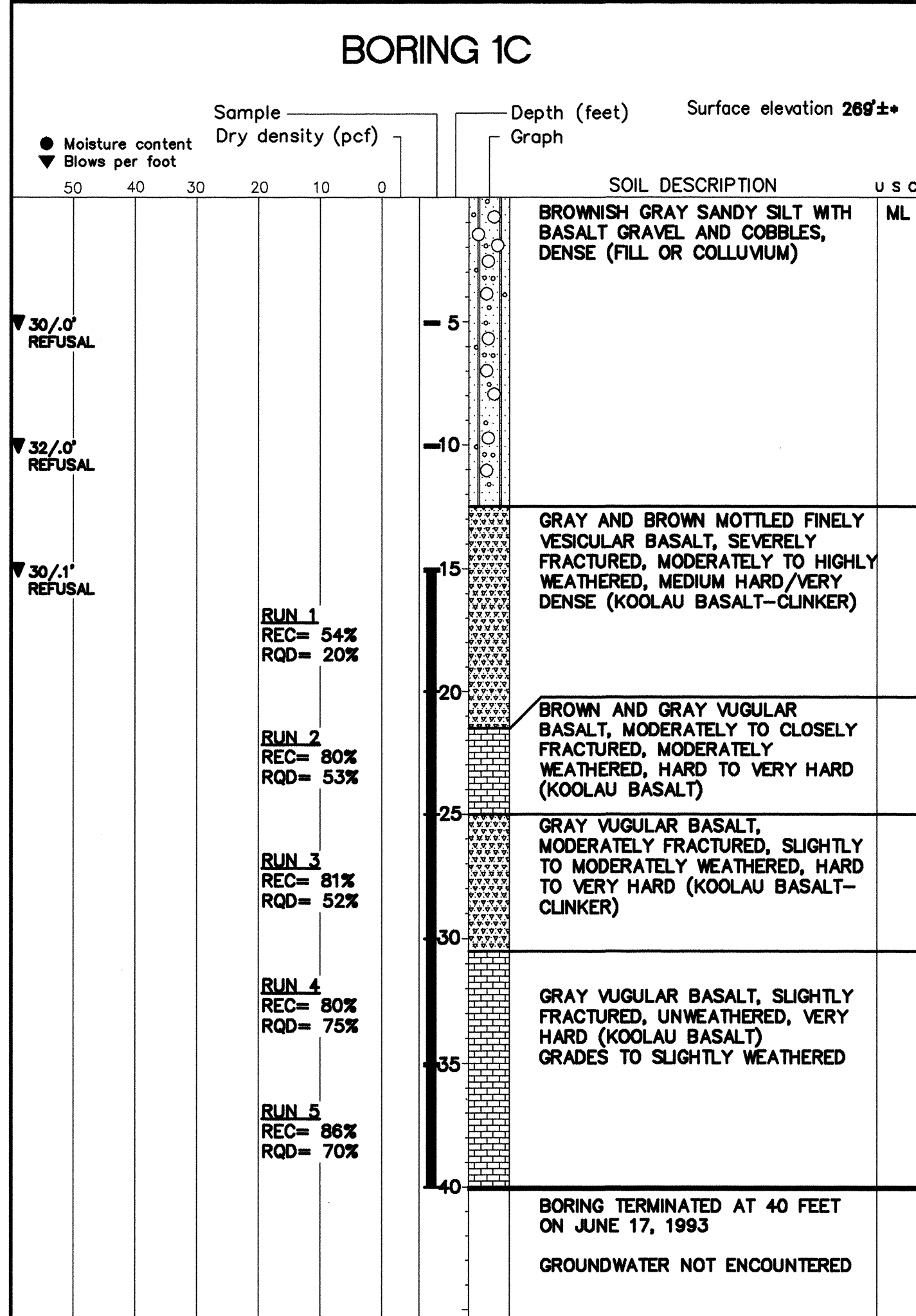
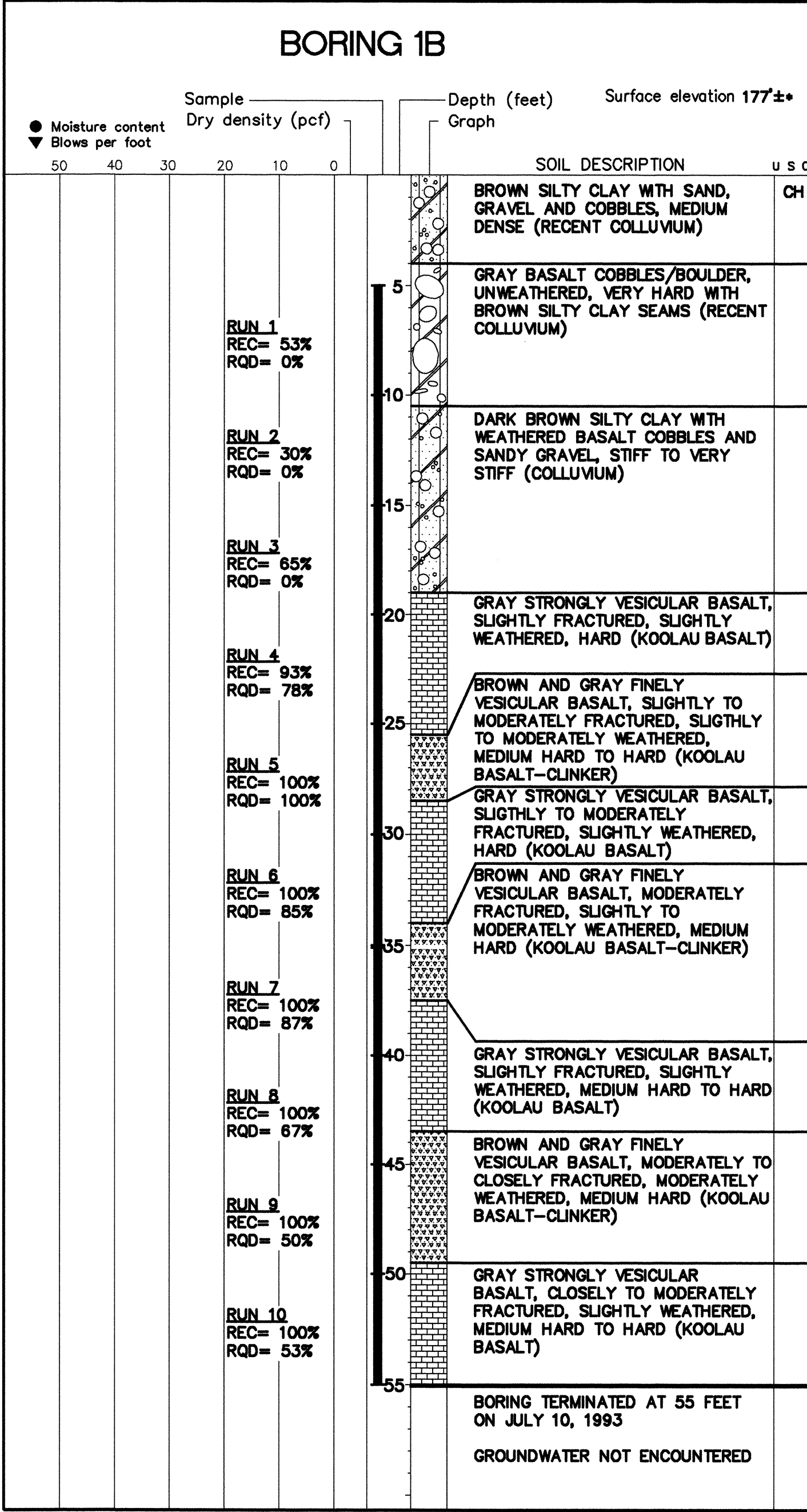
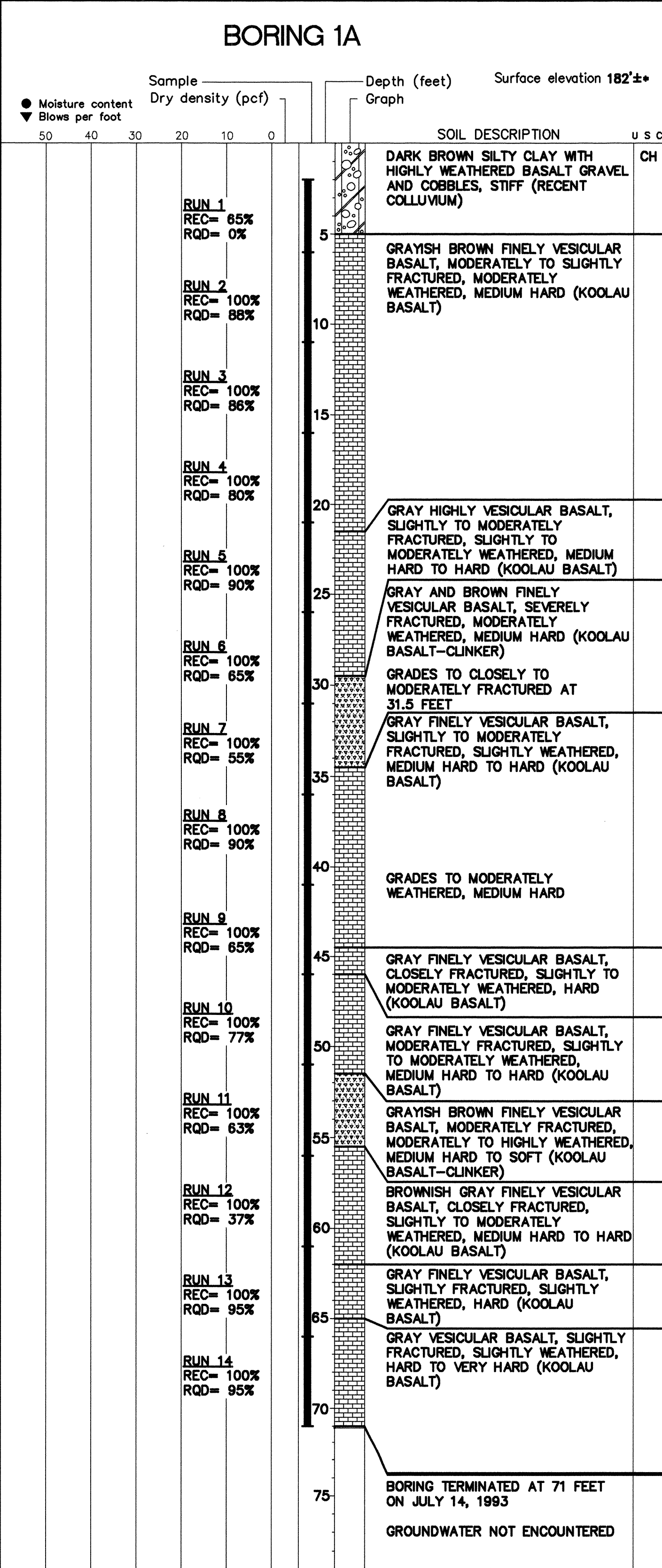
F.A.I. PROJECT NO. I-H3-1(59)

NOT TO SCALE DATE: JUNE 1993

SHEET No. B4 OF 6 SHEETS

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(59)	1993	ADD. 149S-1	211

DATE	_____
DESIGNED BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____



LEGEND

I 2.0" O.D. split-spoon sample

II Undisturbed ring sample

III Disturbed ring sample

IV Core sample

V Shelby tube sample

P Sampler pushed

Plastic limit

Liquid limit

Natural water content

Water level

T Torvane Shear (psf)

FV Field Vane Shear (psf)

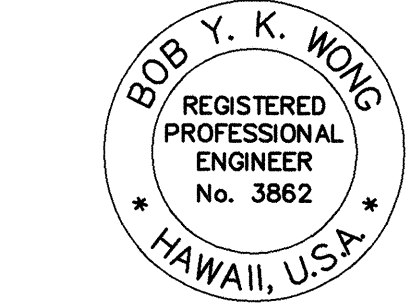
Driving energy: 140 lb. wt., 30" drop

BORING LOG

GEOLABS-HAWAII

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W.O. 2254-80 JULY, 1993



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Bob Y. K. Wong 6-25-93

SIGNATURE DATE

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STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

LOG OF BORINGS

INTERSTATE ROUTE H-3

F.A.I. PROJECT NO. I-H3-1(59)

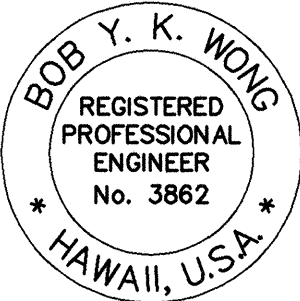
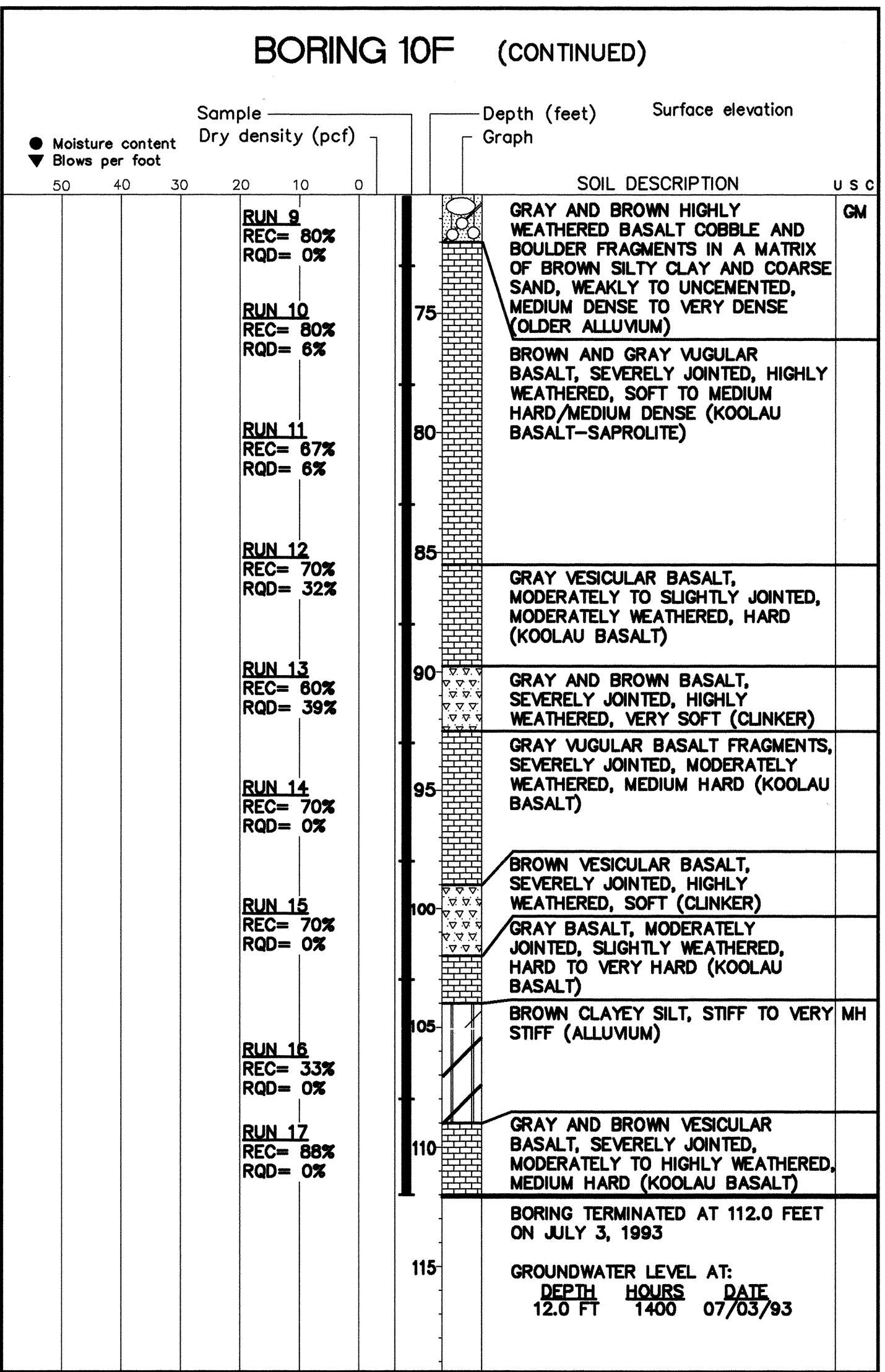
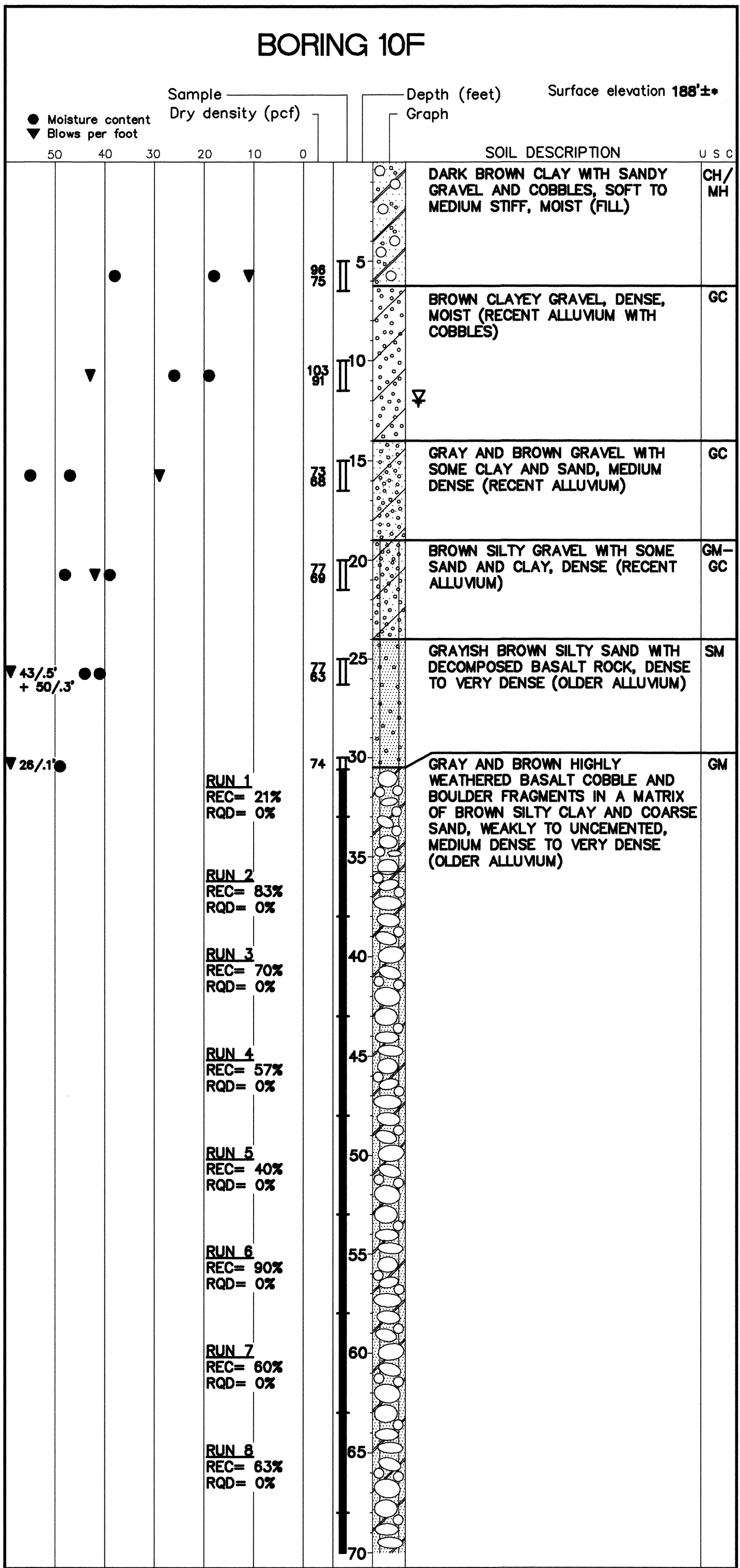
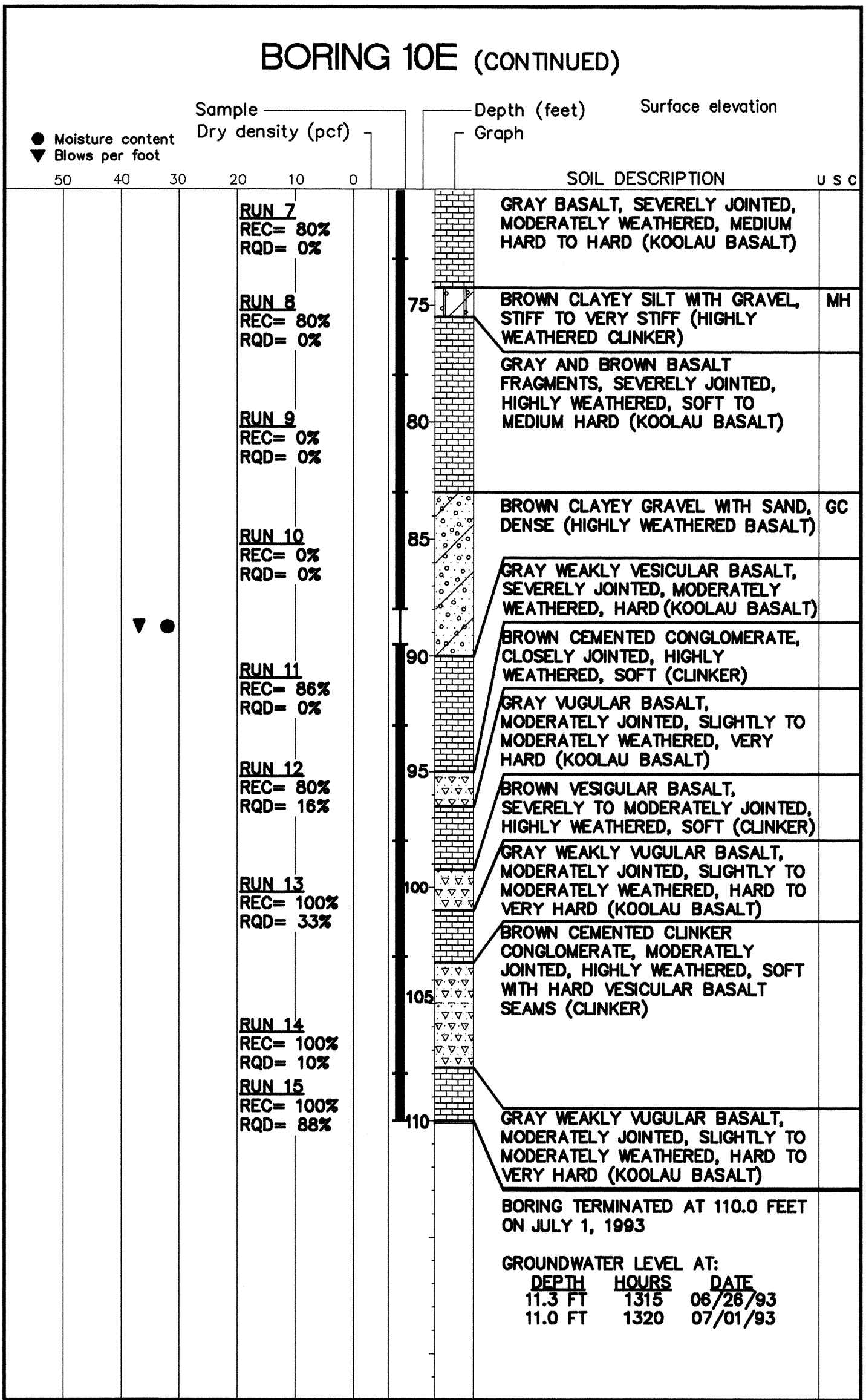
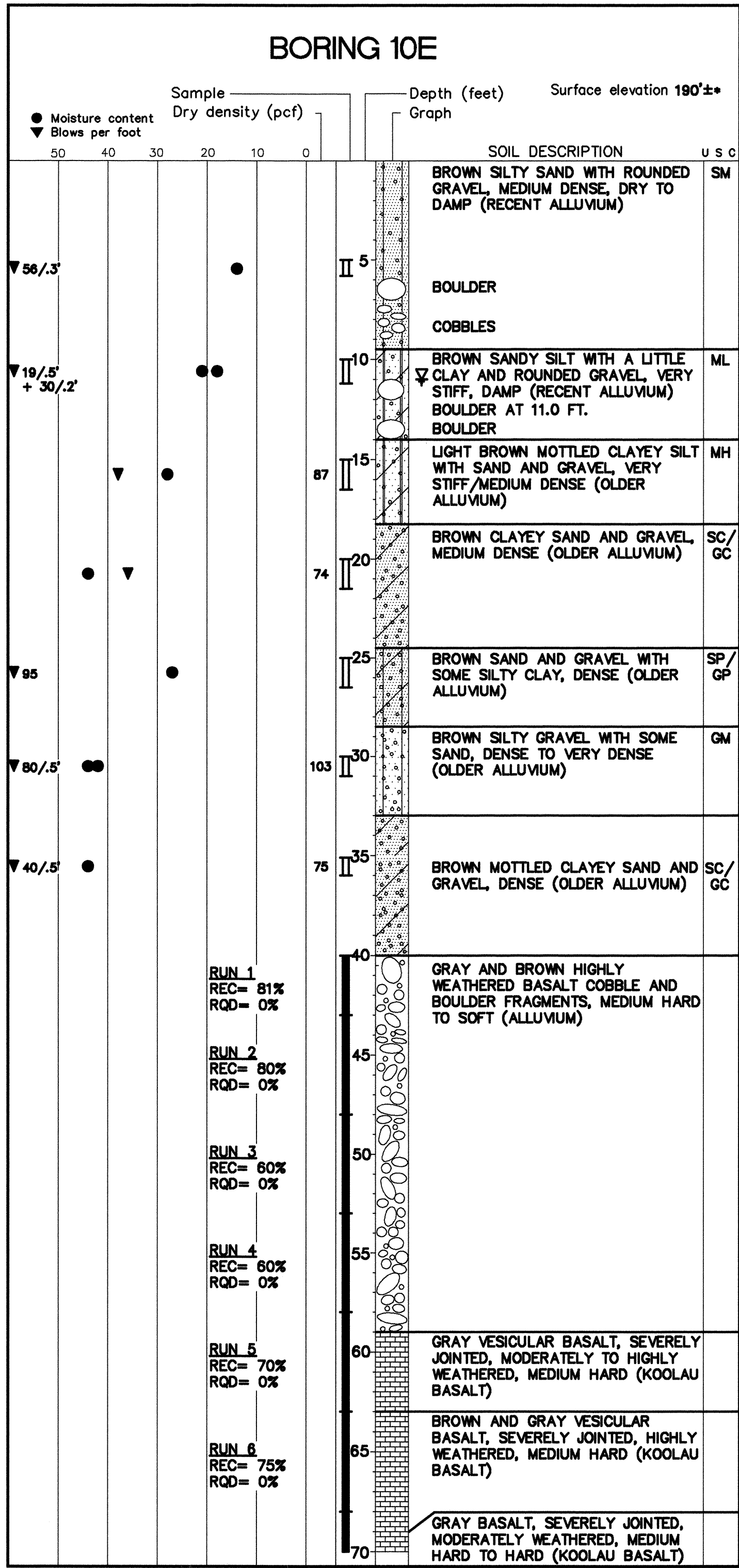
NOT TO SCALE DATE: SEPT. 1993

SHEET No. B4A OF 6 SHEETS

9/30/93	ADDED NEW SHEET WITH BORINGS 1A, 1B, 1C AND 1D
DATE	REVISION

ADD. 149S-1

FED. ROAD DIS. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(59)	1993	ADD. 149S-2	211



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Signature: Bob Y. K. Wong 6-25-93 Date: 06/25/93

*** SIGNATURE HAS BEEN DIGITIZED ***

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOG OF BORINGS

INTERSTATE ROUTE H-3
F.A.I. PROJECT NO. I-H3-1(59)

NOT TO SCALE DATE: SEPT. 1993

SHEET No. B4B OF 6 SHEETS

ADD. 149S-2

ADD149S2 9/20/93 RSO
PHASE 1A 9/27/93 RSO

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTEBOOK	
No.	

LEGEND

I 2.0" O.D. split-spoon sample

II Undisturbed ring sample

III Disturbed ring sample

IV Core sample

V Shelby tube sample

P Sampler pushed

Plastic limit

Liquid limit

Natural water content

Water level

Torvane Shear (psf)

FV Field Vane Shear (psf)

Driving energy: 140 lb. wt., 30" drop

BORING LOG

GEOLABS-HAWAII

Foundation Engineering • Soil Engineering • Geology

W.O. 2254-50 JULY, 1993

9/30/93	ADDED NEW SHEET WITH BORING 10E AND BORING 10F
DATE	REVISION