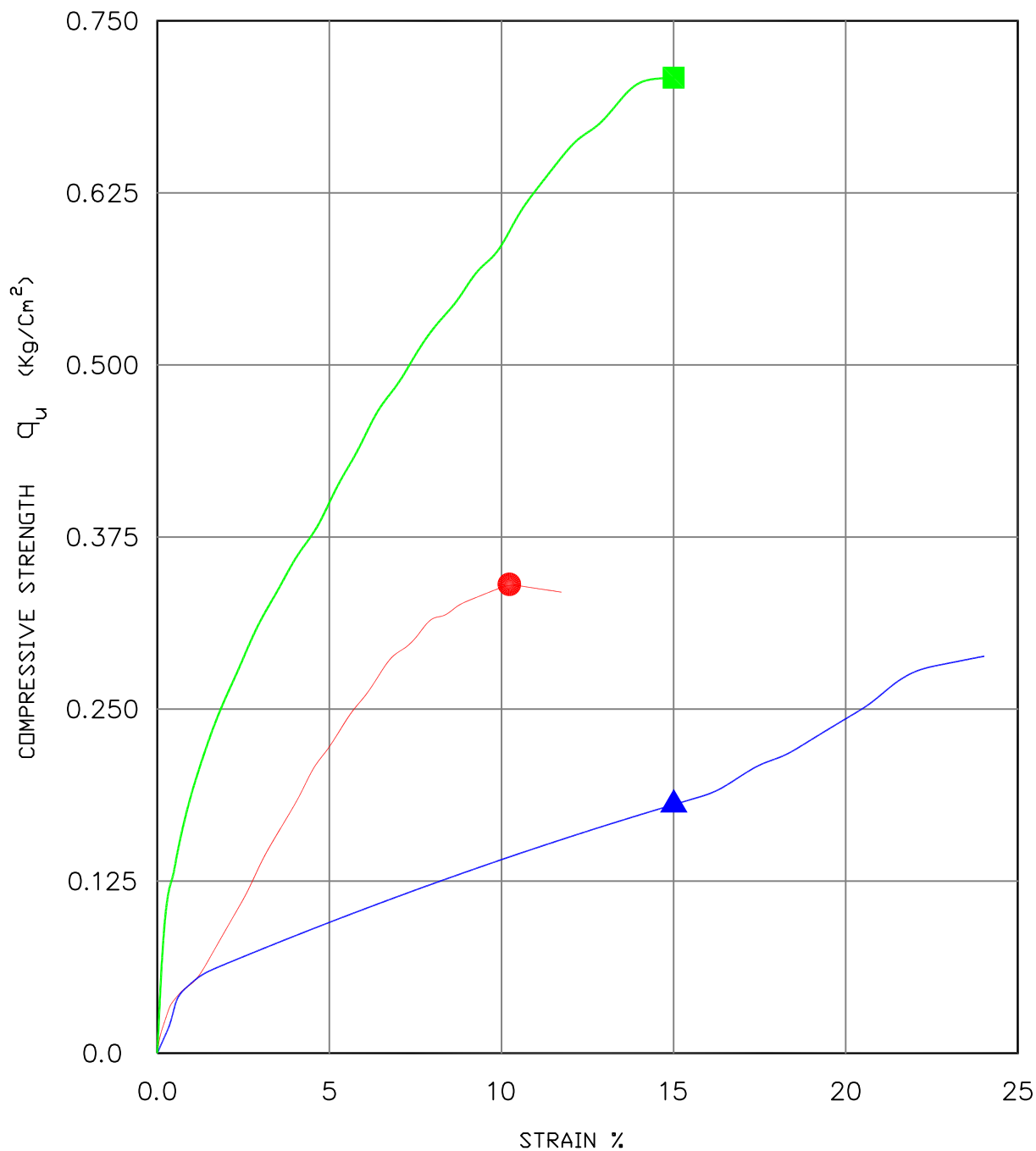


	SOIL ENGINEERING SERVICES (SES)		خدمات مهندسی مکانیک خاک
	PROJ NO: 1347-EE-PEP-GEO-001-B	REV: B	
	SUBJECT: GEOTECHNICAL INVESTIGATION, PHASE I, FACTUAL REPORT, SOUTH ALUMINIUM SMELTER (SALCO) IRAN		

Enclosure X

Unconfined Compression Tests



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-002	U04	13.00-13.50	<CL/ML>	Undisturbed	29	1.66	0.34
▲	BH-002	U05	16.00-16.50	<CL/CH>	Undisturbed	29	1.51	0.18
■	BH-002	CB02	28.00-28.30	CL	Undisturbed	25	1.59	0.71

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

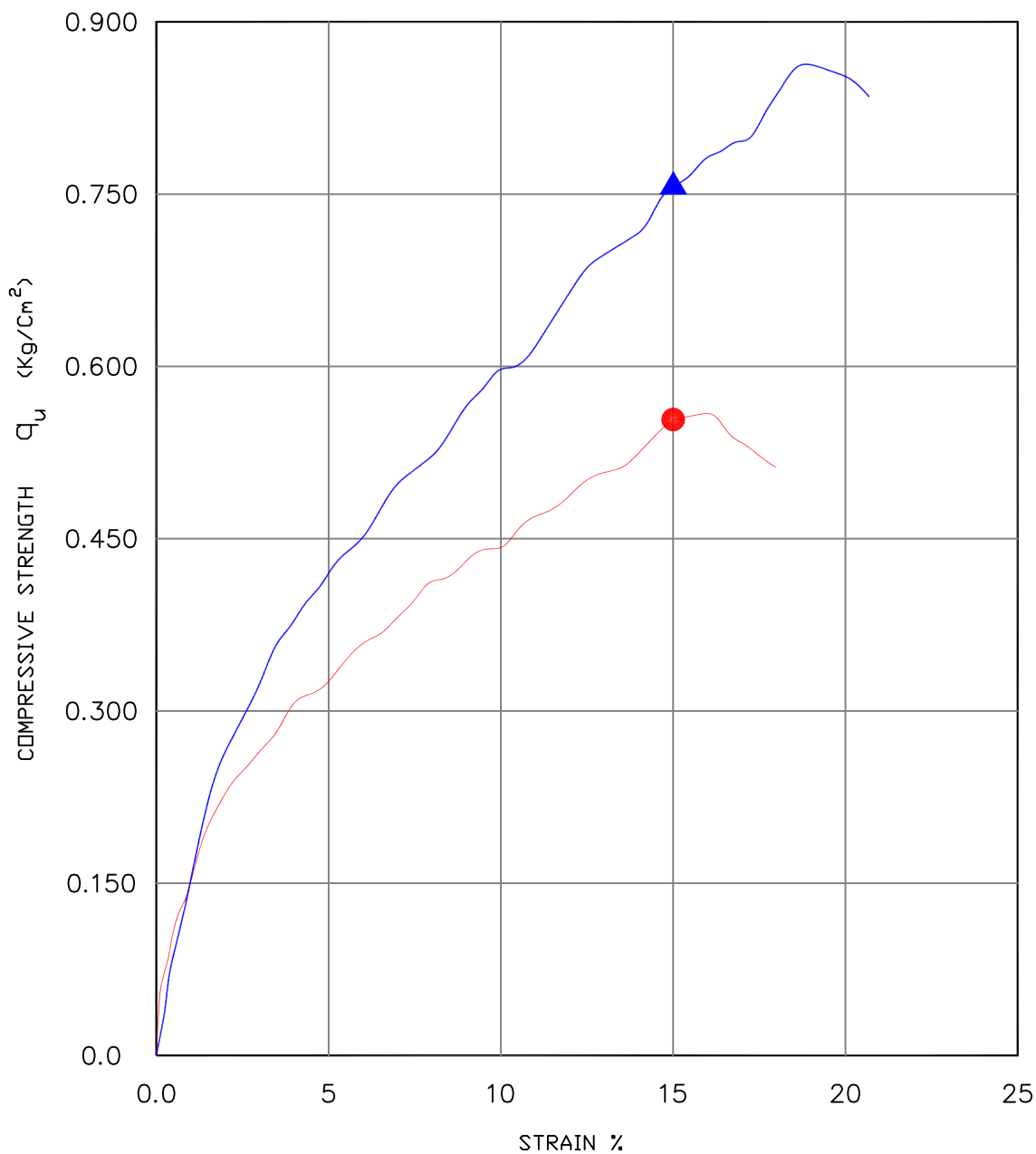


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
1

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-008	U02	8.00-8.50	<CL>	Undisturbed	25	1.57	0.55
▲	BH-008	U05	14.00-14.50	<CL>	Undisturbed	21	1.55	0.76
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

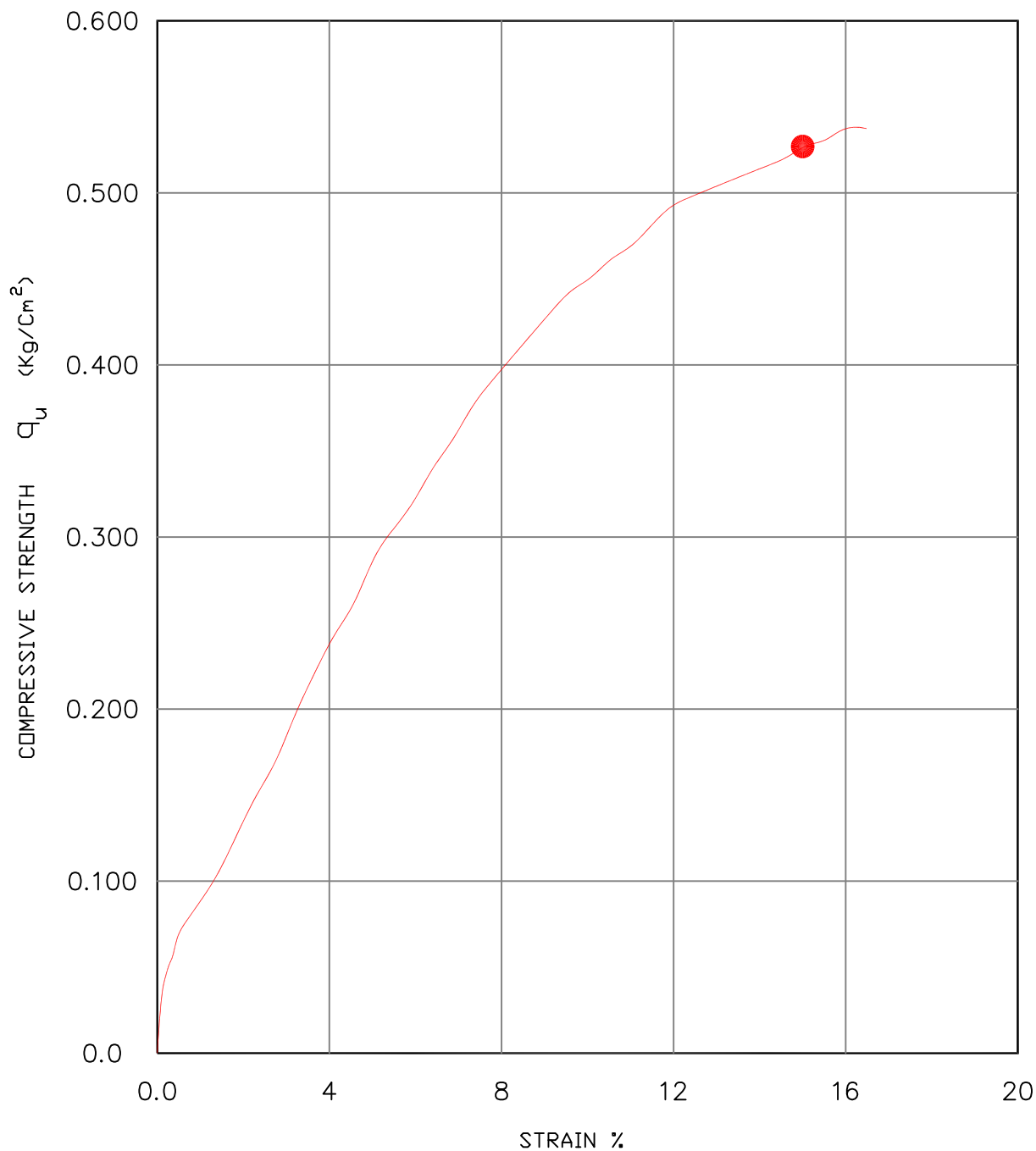


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
2

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PRJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-013	U01	7.50-8.00	<CL/ML>	Undisturbed	29	1.60	0.53
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

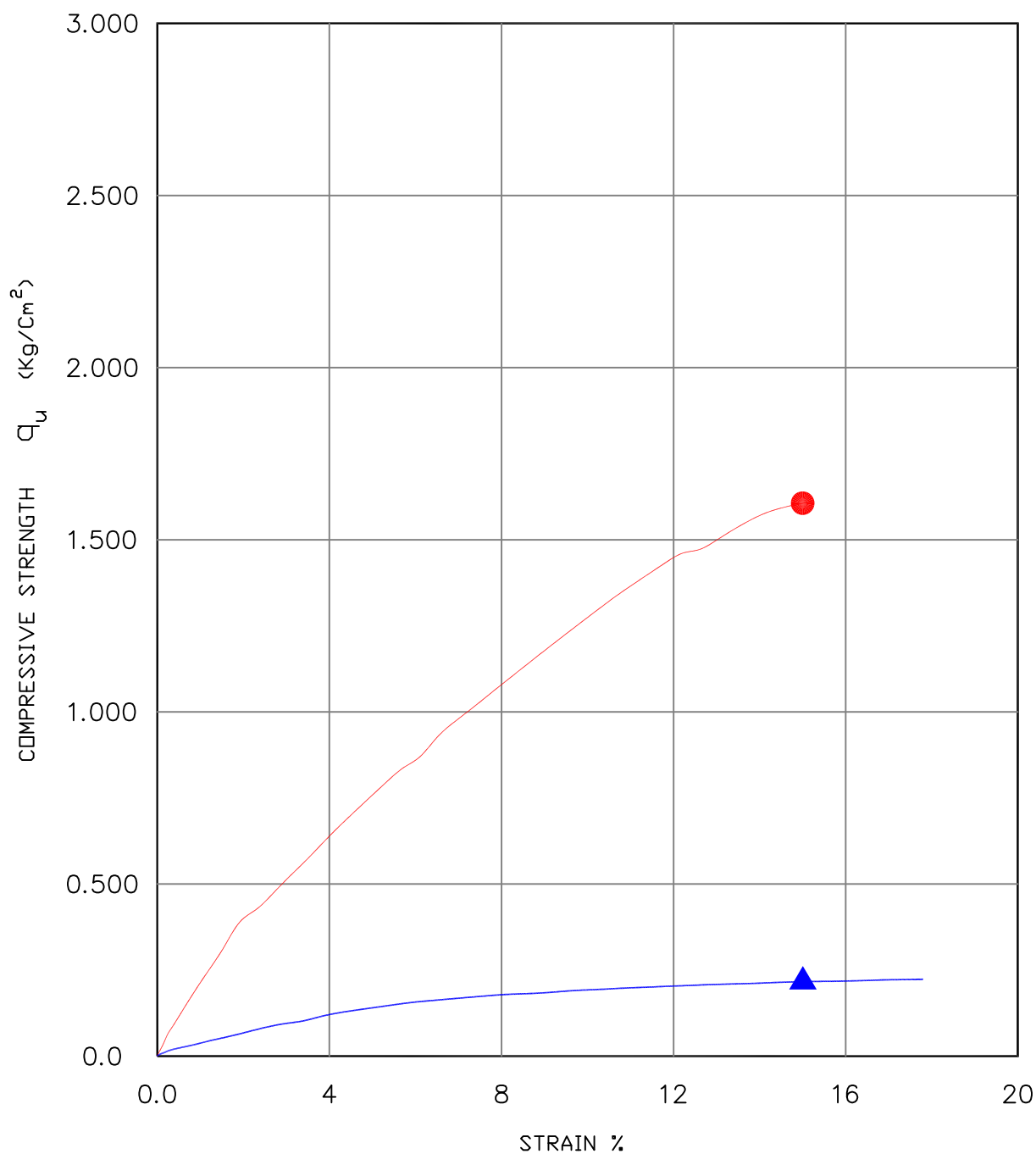


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
3

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-018	U07	19.00-19.50	<CL/ML>	Undisturbed	24	1.66	1.61
▲	BH-018	U09	23.00-23.50	<CL/ML>	Undisturbed	27	1.60	0.22
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

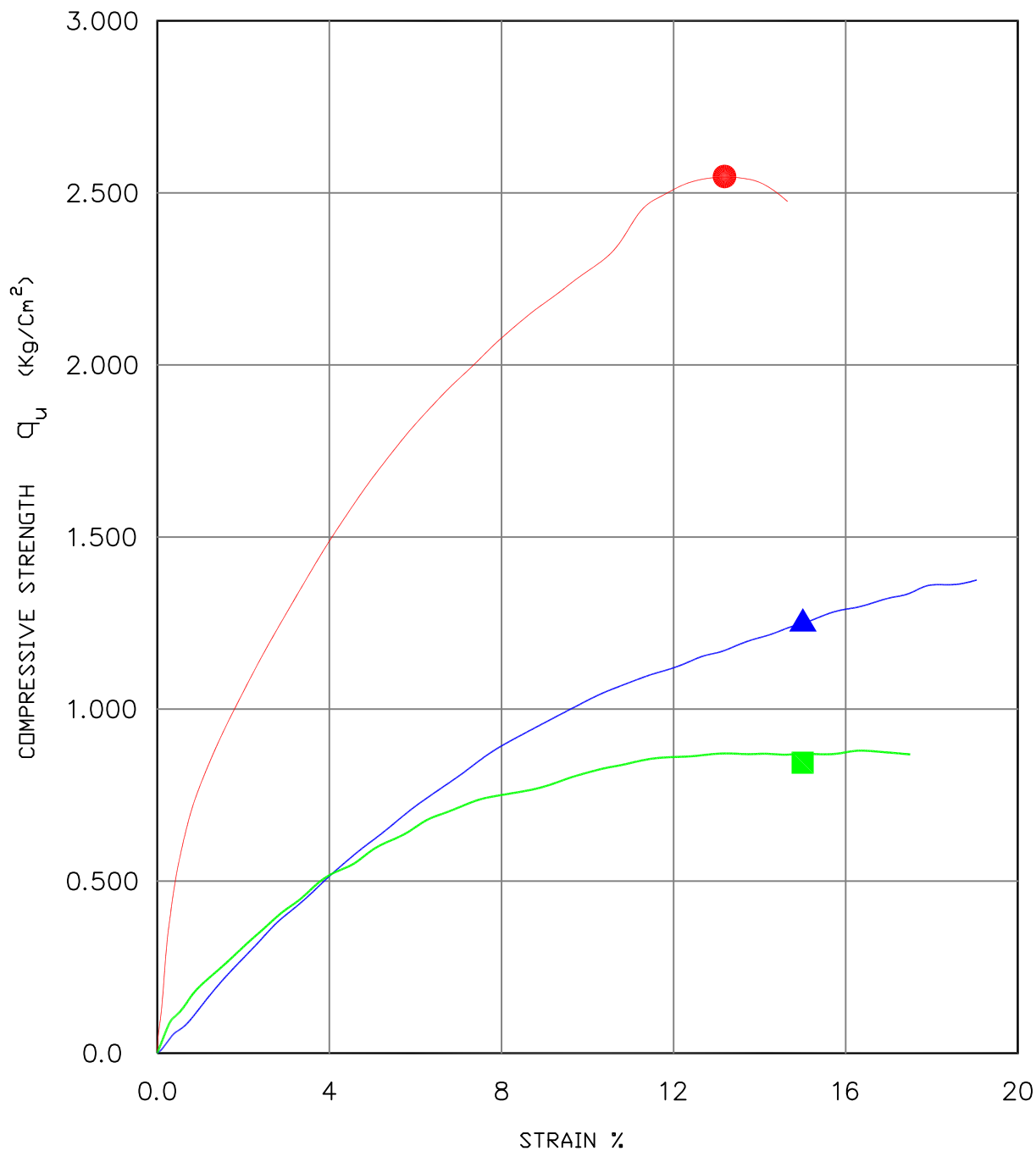


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
4

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/cm^3)	q_u (Kg/cm^2)
●	BH-021	U02	6.50-7.00	<ML>	Undisturbed	25	1.61	2.55
▲	BH-021	U03	9.00-9.50	CL	Undisturbed	25	1.56	1.25
■	BH-021	U06	16.50-17.00	CL	Undisturbed	23	1.61	0.84

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

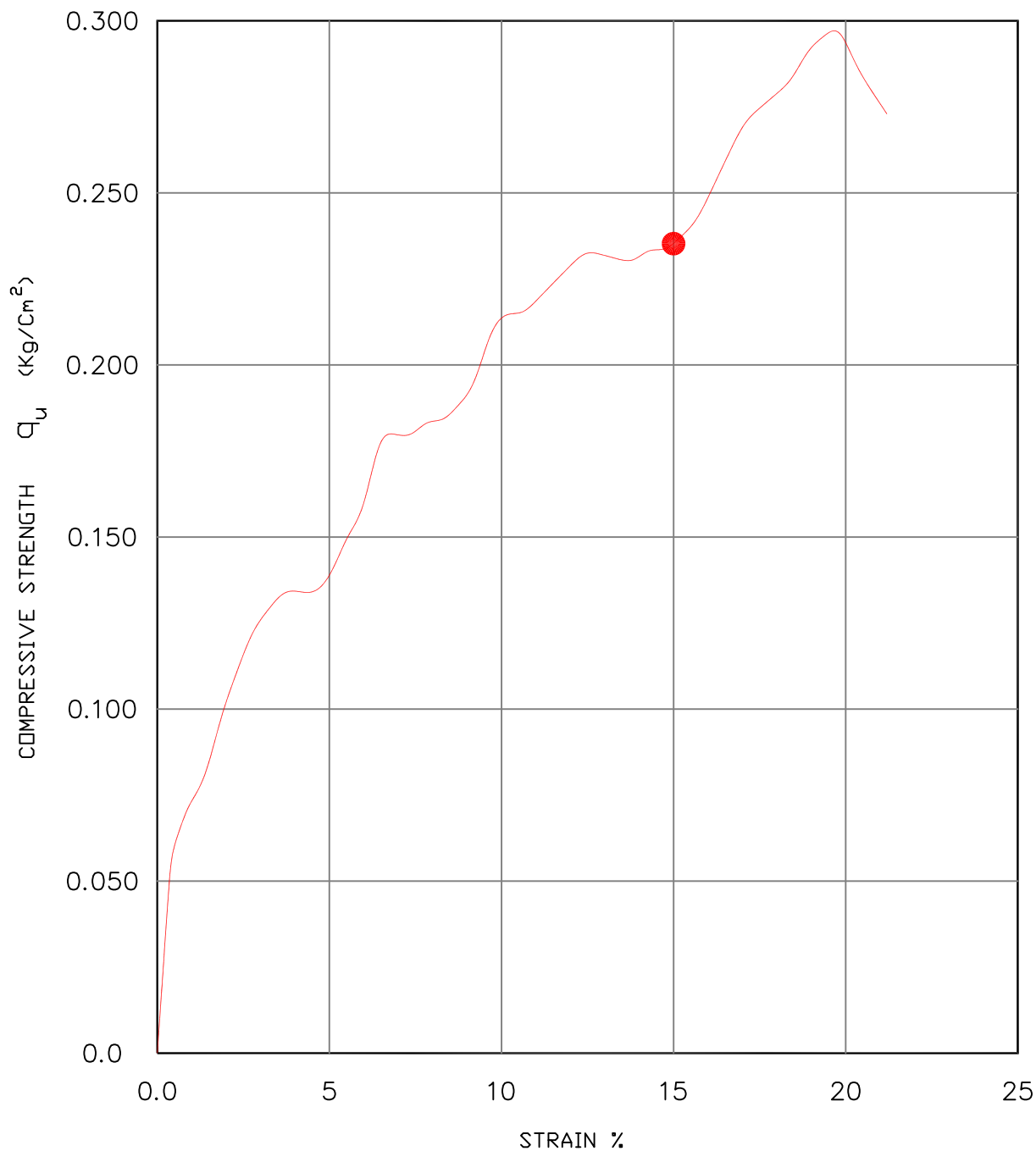


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
5

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-021	U09	24.00-24.50	CL	Undisturbed	25	1.55	0.24
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

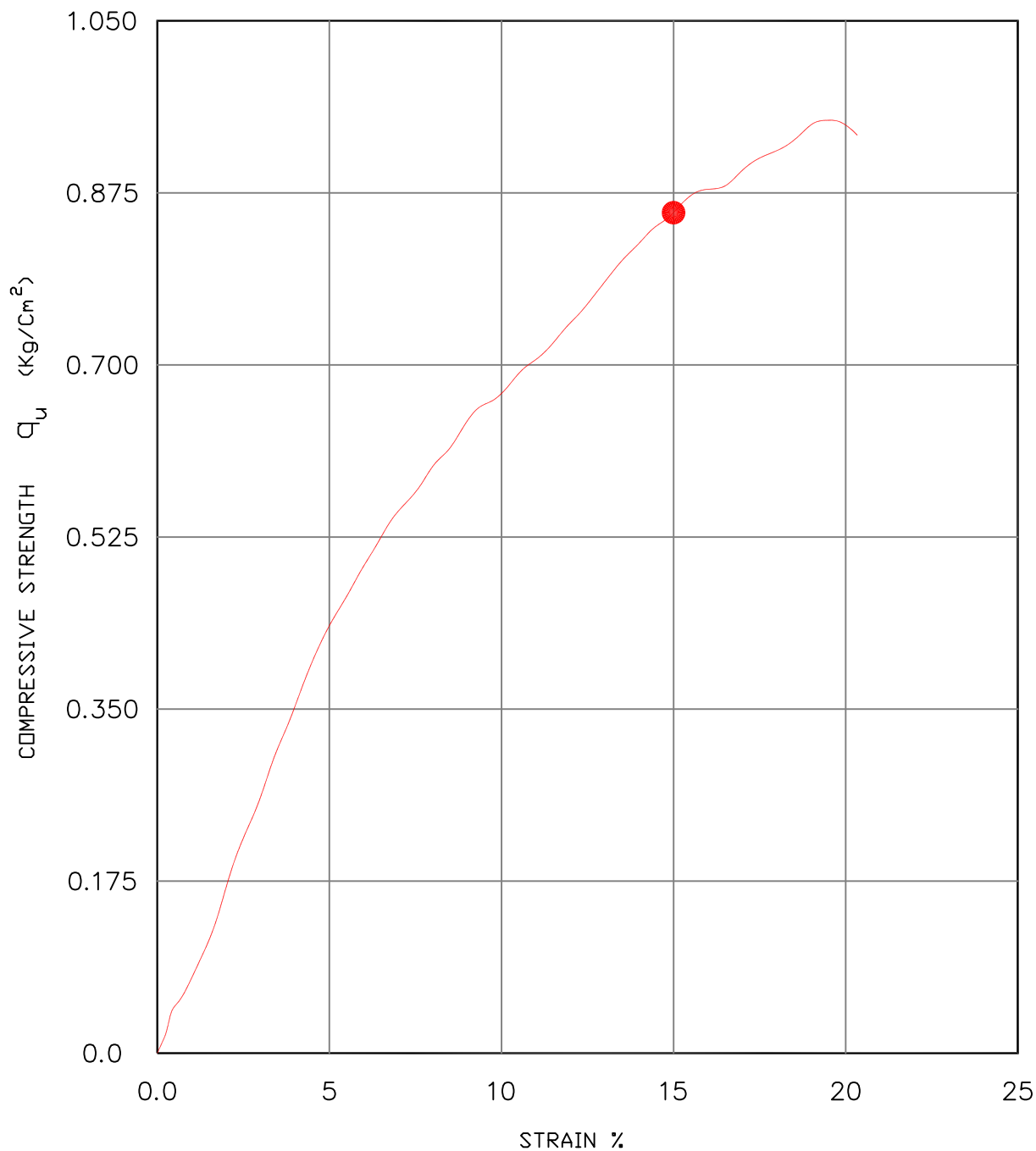


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
6

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-025	U01	3.00-3.50	<ML>	Undisturbed	25	1.61	0.85
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

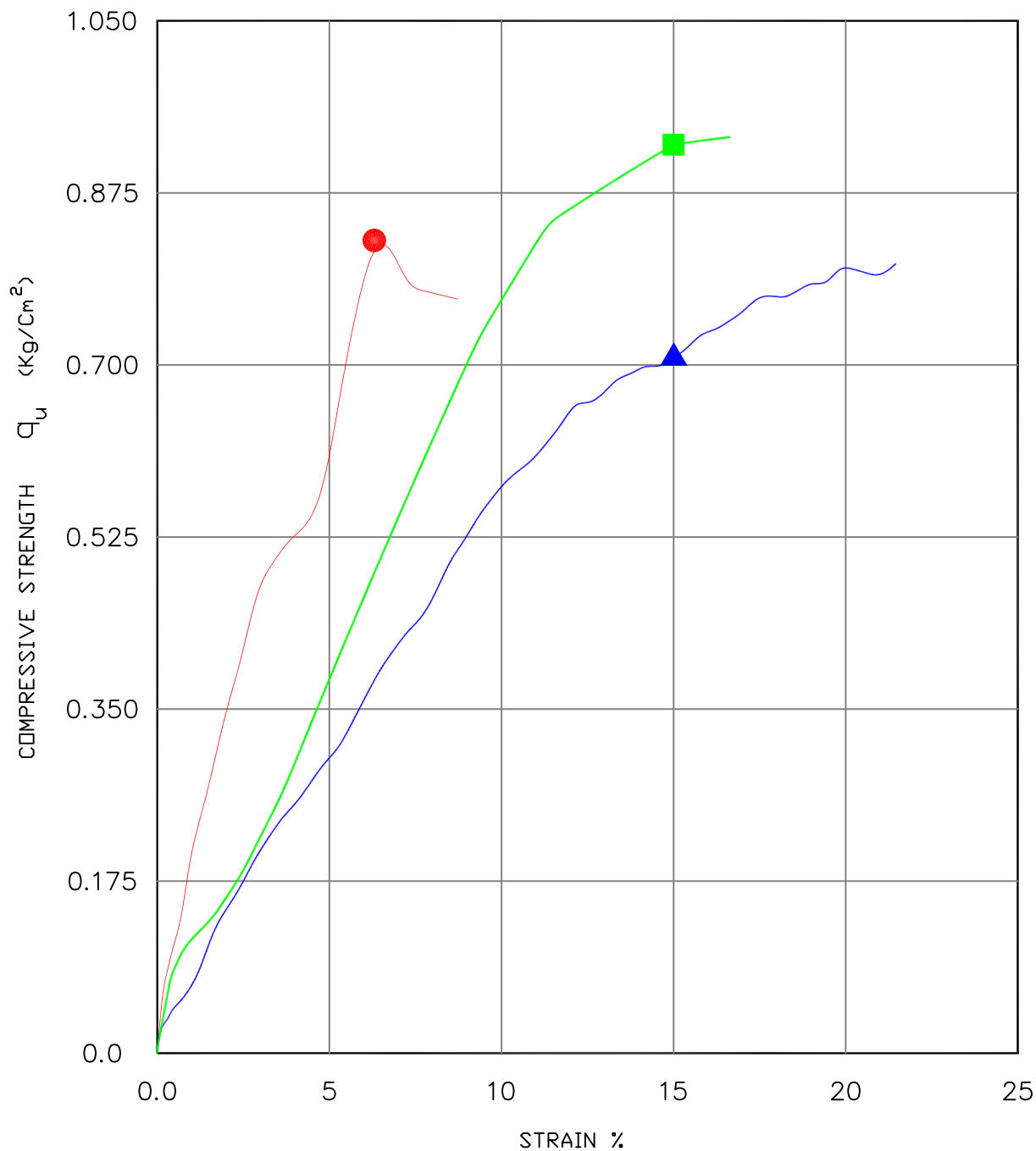


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
7

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-031	U02	8.00-8.50		Undisturbed	22	1.63	0.83
▲	BH-031	U04	12.00-12.50	<ML/CL>	Undisturbed	26	1.58	0.71
■	BH-031	U06	16.00-16.50	<CL/ML>	Undisturbed	26	1.58	0.92

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

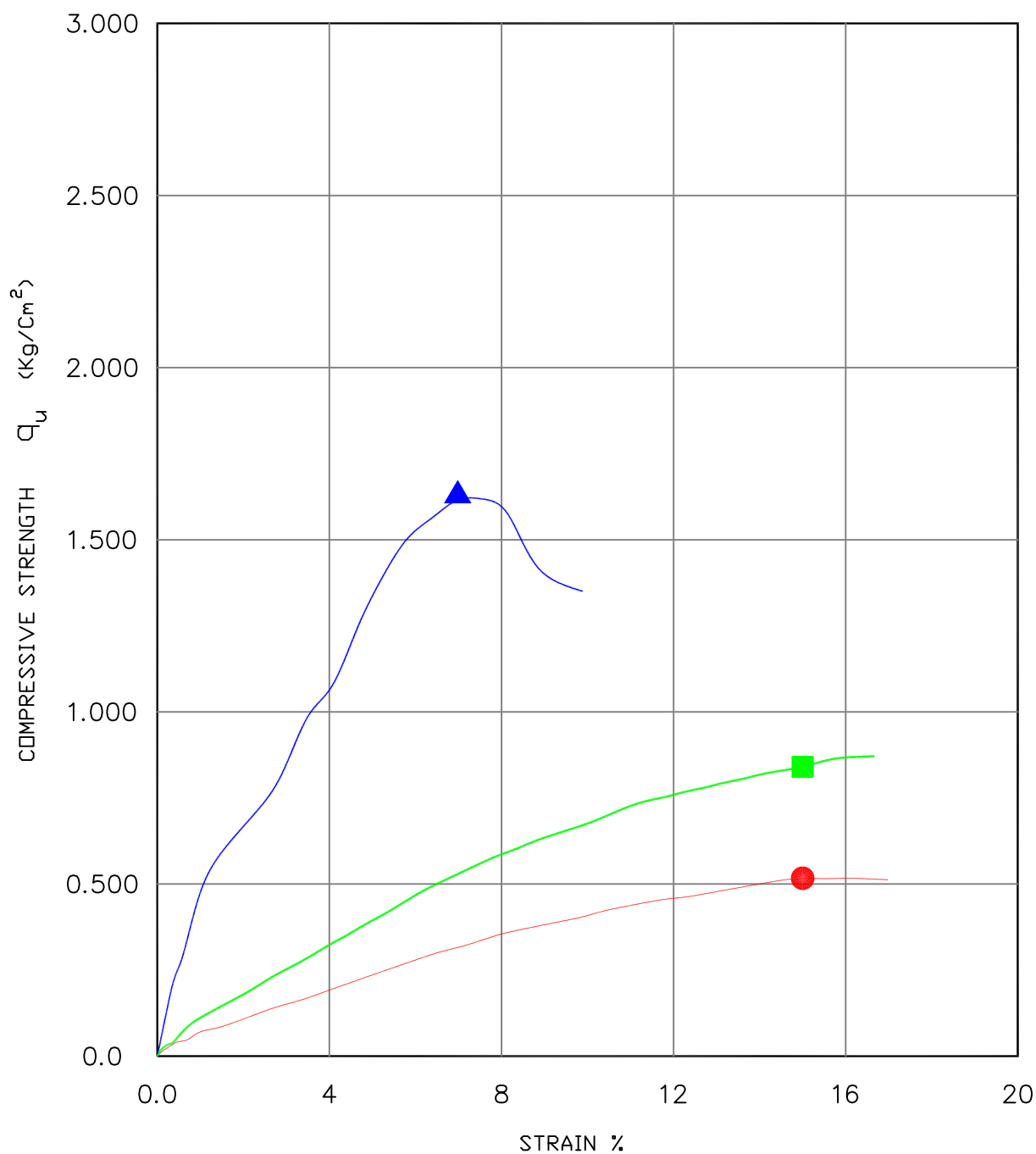


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
8

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-031	U08	20.00-20.50	<ML/CL>	Undisturbed	26	1.55	0.52
▲	BH-031	U09	23.00-23.50	CL	Undisturbed	23	1.68	1.63
■	BH-031	U10	29.00-29.50	<CL>	Undisturbed	23	1.67	0.84

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

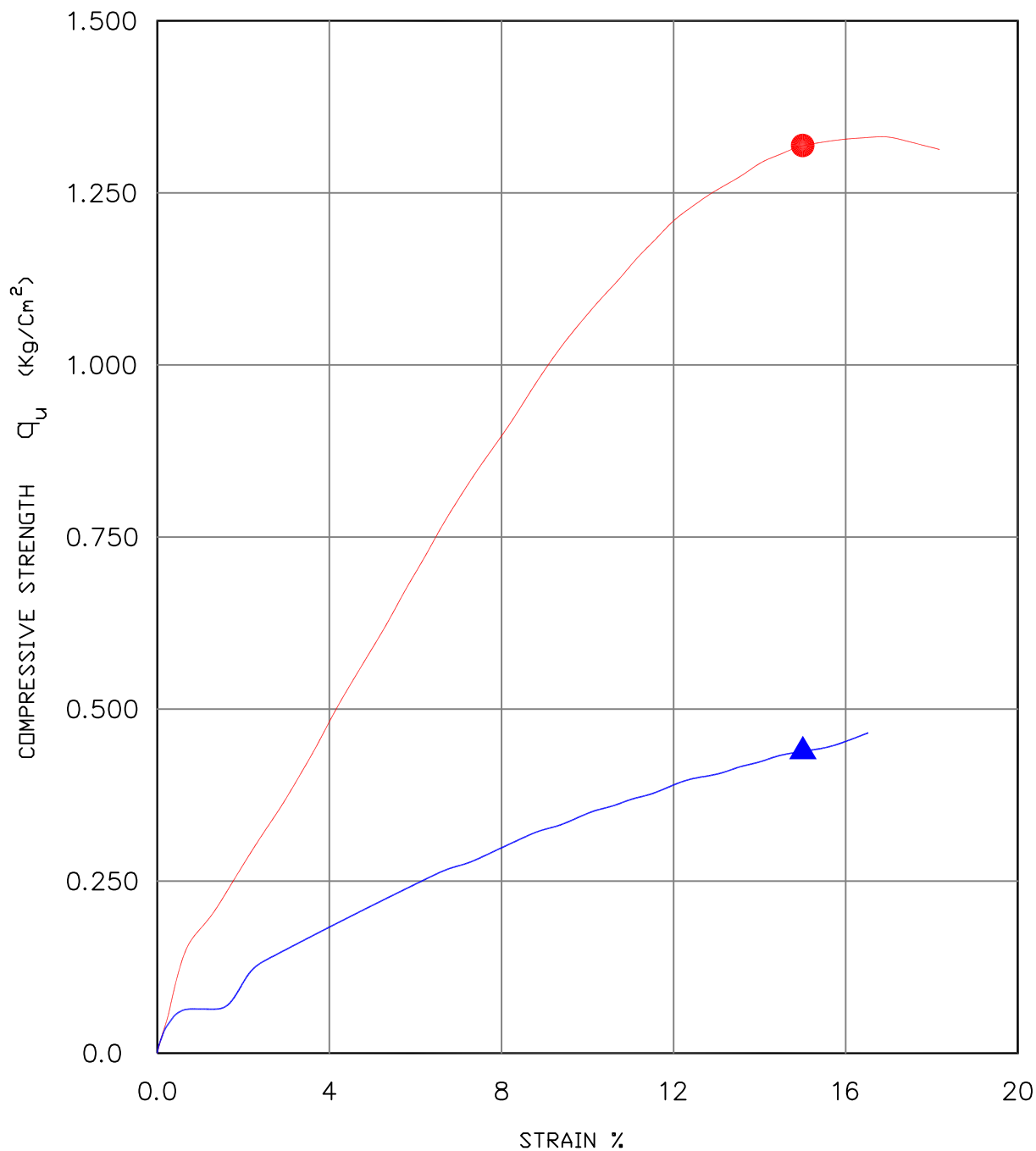


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
9

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-031	U12	36.00-36.50	<CL/ML>	Undisturbed	24	1.70	1.32
▲	BH-031	U13	39.00-39.50	<CL>	Undisturbed	24	1.67	0.44
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

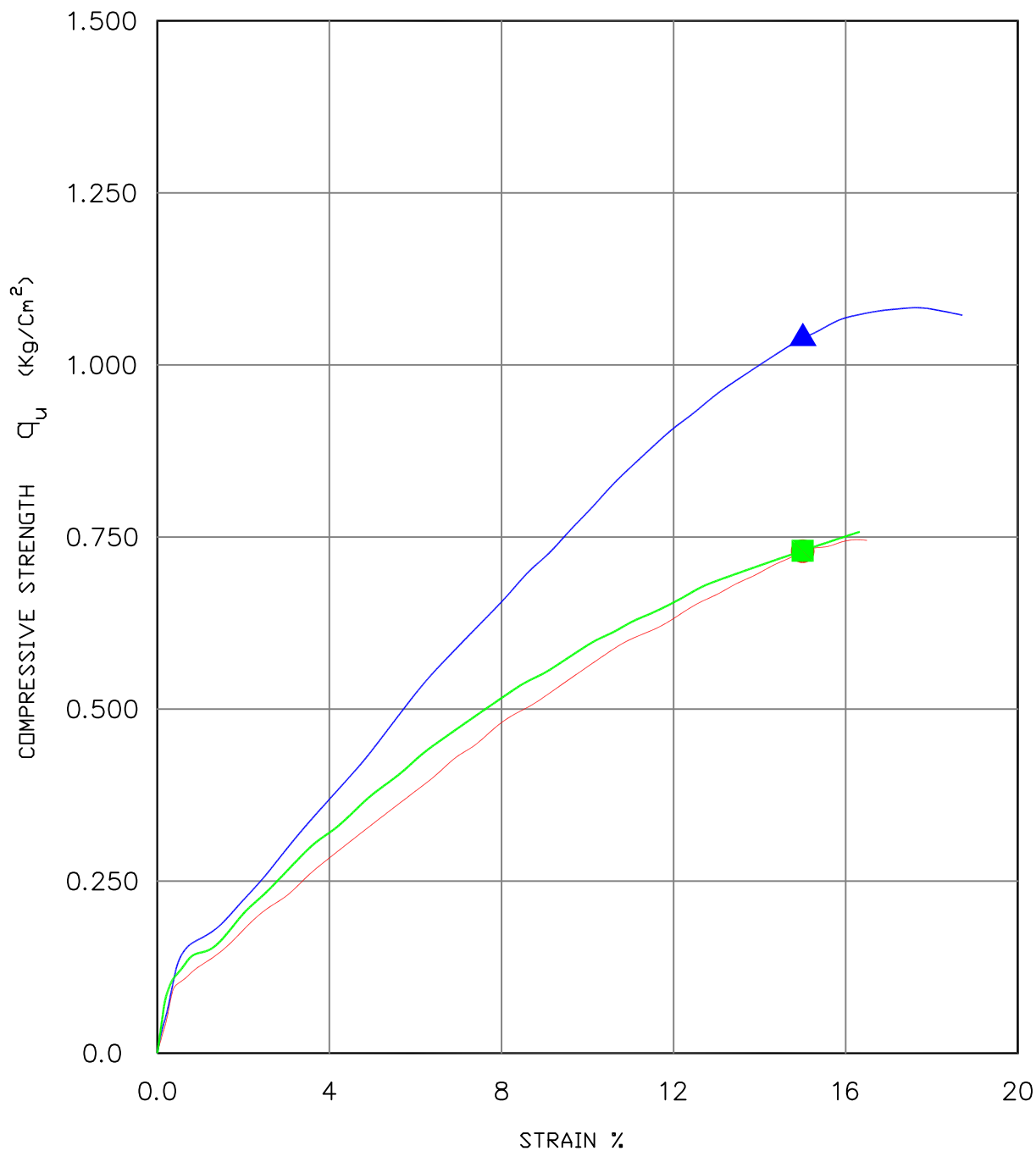


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
10

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-035	U01	5.50-6.00	<CL/ML>	Undisturbed	24	1.62	0.73
▲	BH-035	U06	18.00-18.50	<CL/ML>	Undisturbed	24	1.65	1.04
■	BH-035	U07	19.50-20.00		Undisturbed	25	1.60	0.73

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

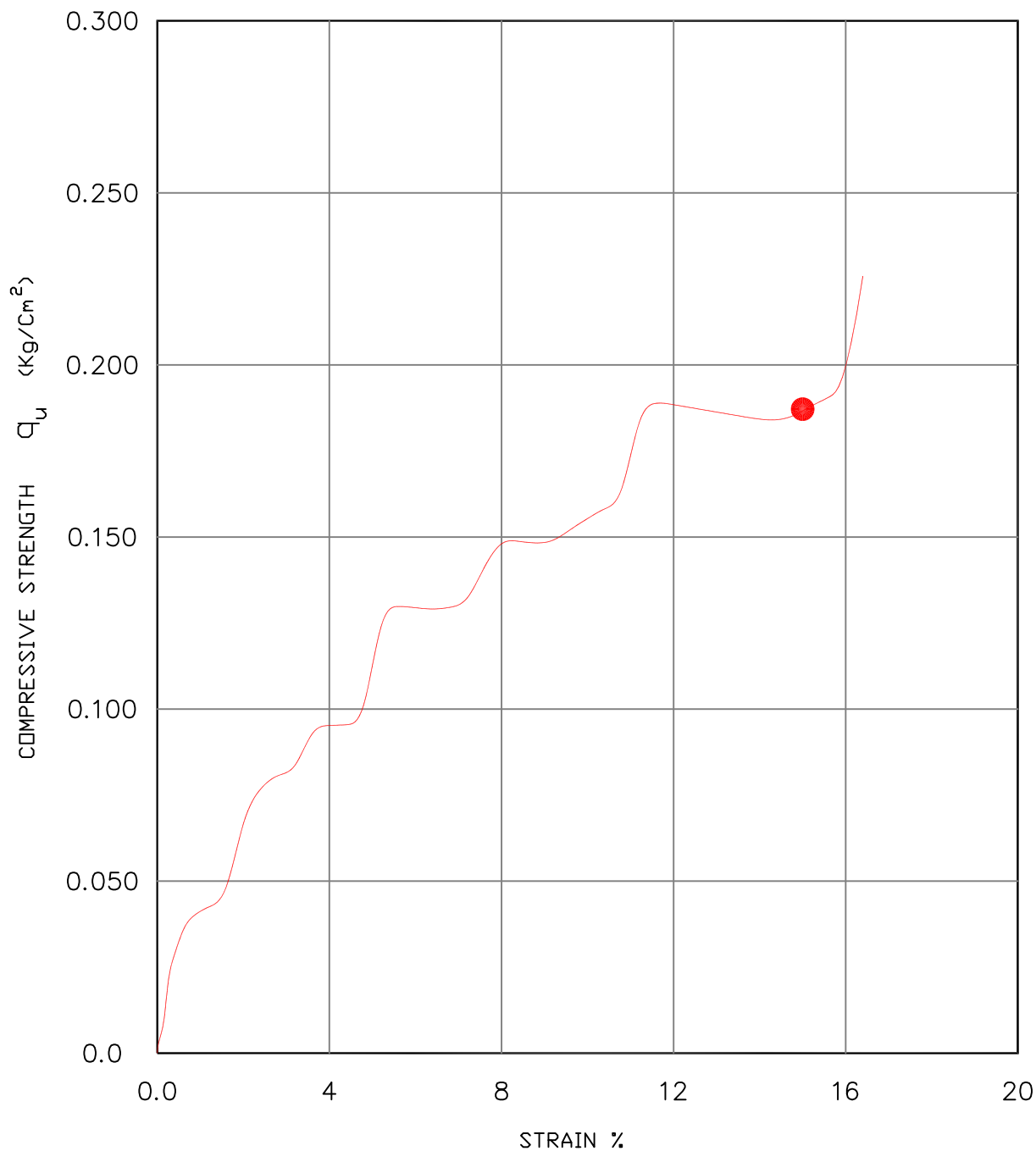


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
11

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-039	U05	16.00-16.50	<CL/ML>	Undisturbed	27	1.72	0.19
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

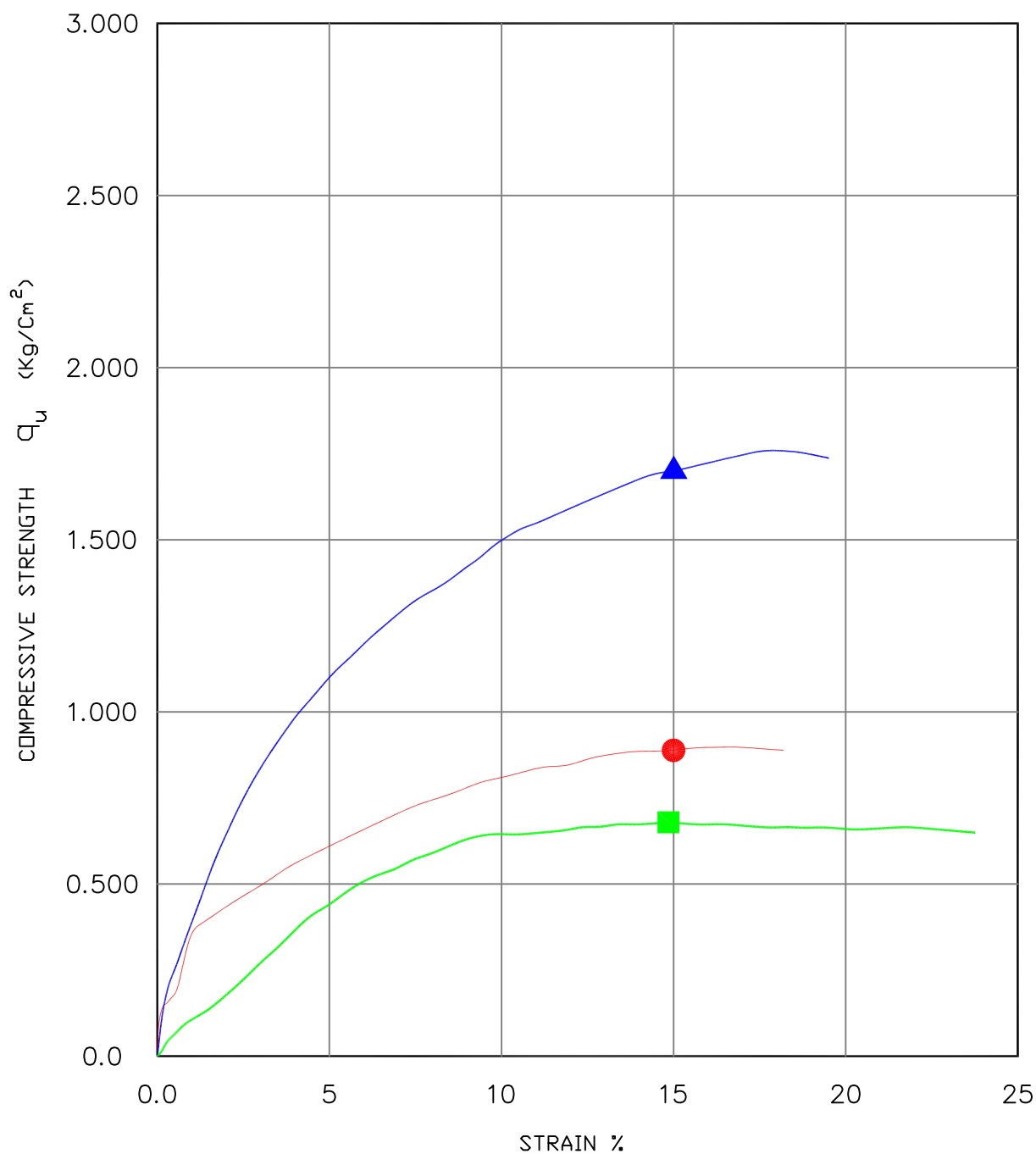


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
12

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-042	U02	8.00-8.50	<CL/ML>	Undisturbed	28	1.59	0.89
▲	BH-042	U04	12.00-12.50	CL	Undisturbed	21	1.72	1.70
■	BH-042	CB01	22.00-22.50	CL	Undisturbed	23	1.83	0.68

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

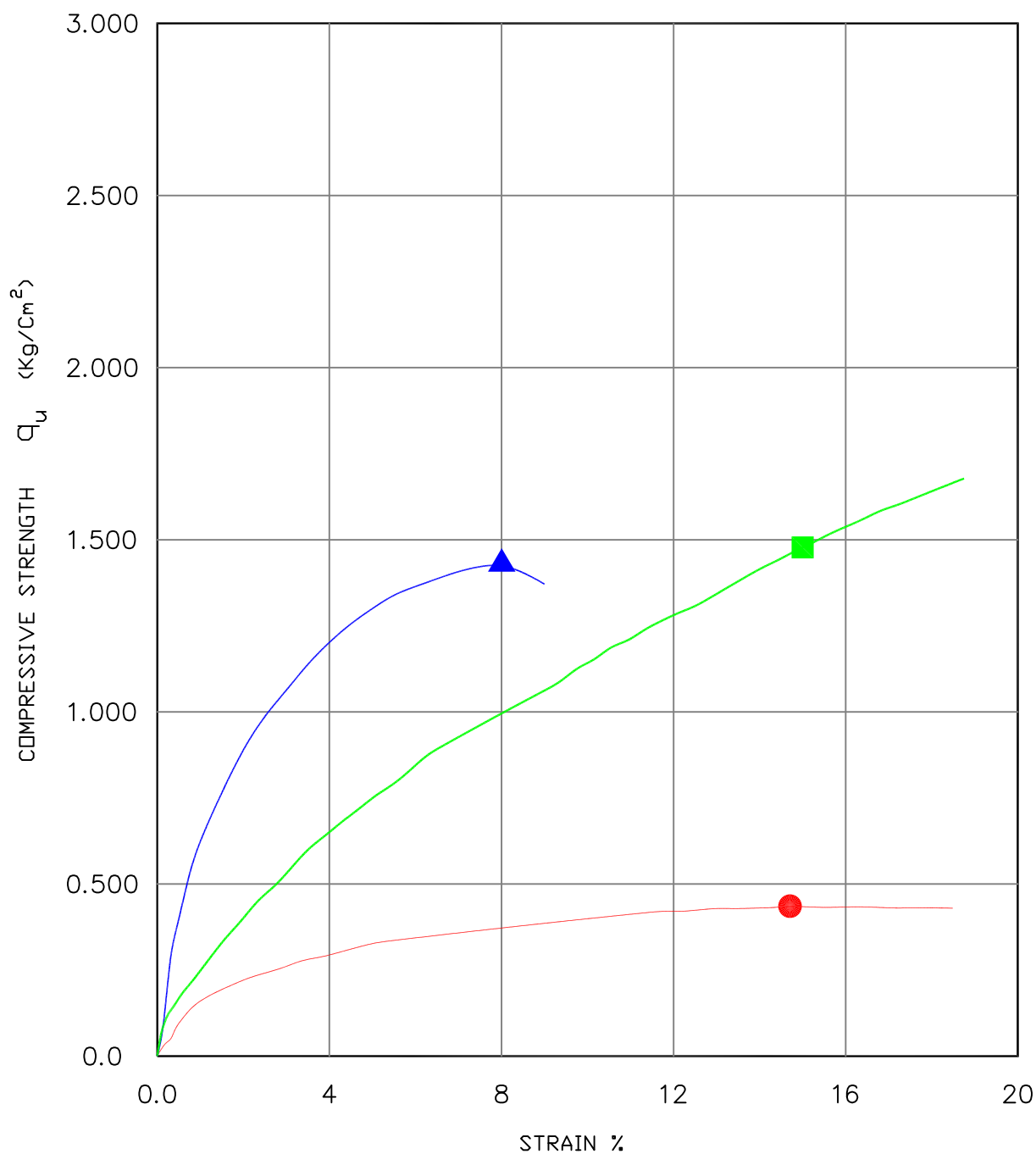


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
13

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	Q _u (Kg/Cm²)
●	BH-042	U09	24.00-24.50	<ML/CL>	Undisturbed	26	1.55	0.44
▲	BH-042	U10	26.00-26.50	<ML/CL>	Undisturbed	26	1.61	1.43
■	BH-042	U12	30.00-30.50	<ML/MH/CL/CH>	Undisturbed	20	1.68	1.48

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

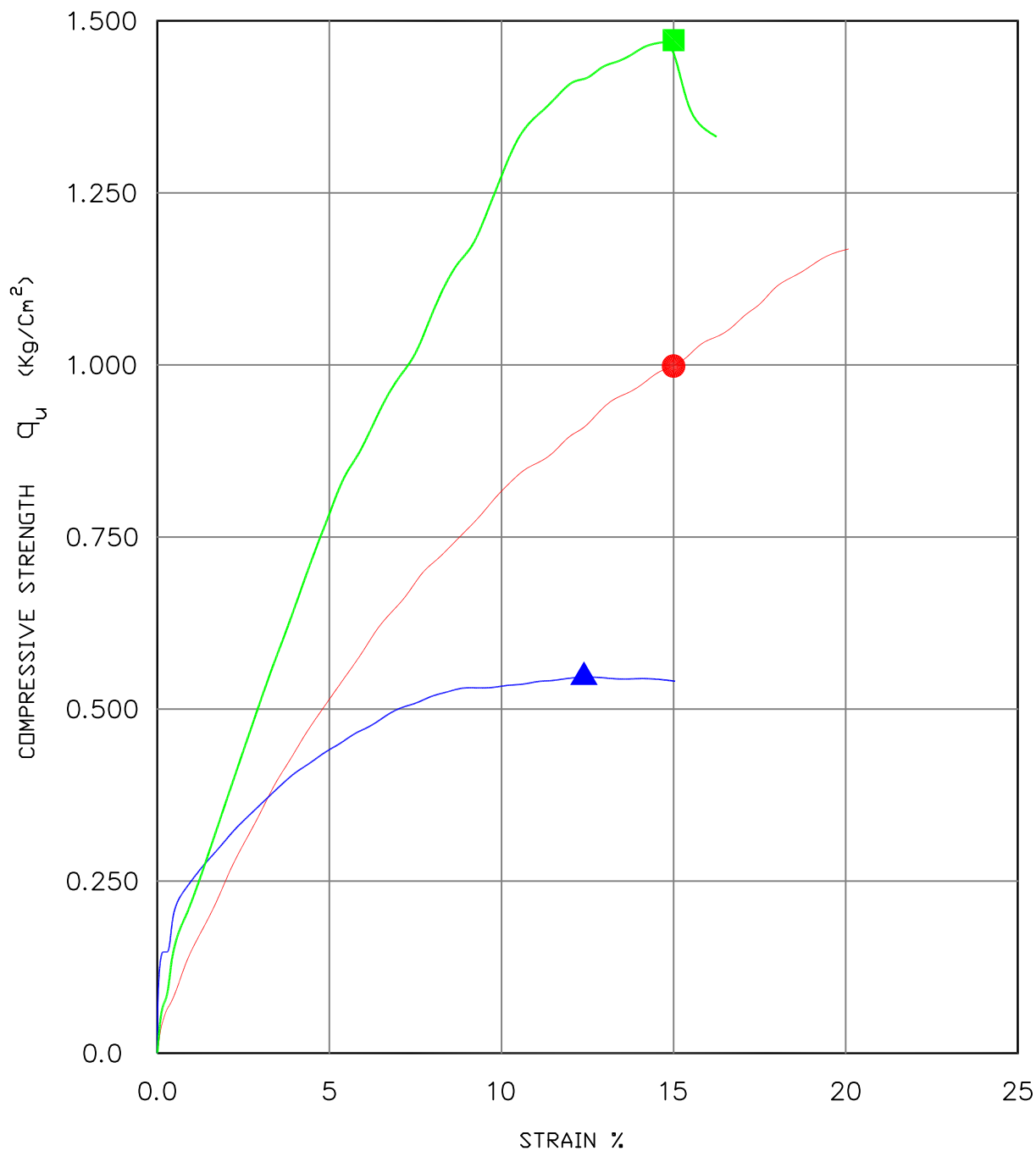


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
14

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-044	U02	7.00-7.50	CL	Undisturbed	25	1.66	1.00
▲	BH-044	U04	12.00-12.50	<ML/CL>	Undisturbed	27	1.60	0.55
■	BH-044	U06	17.00-17.50	CL	Undisturbed	25	1.57	1.47

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

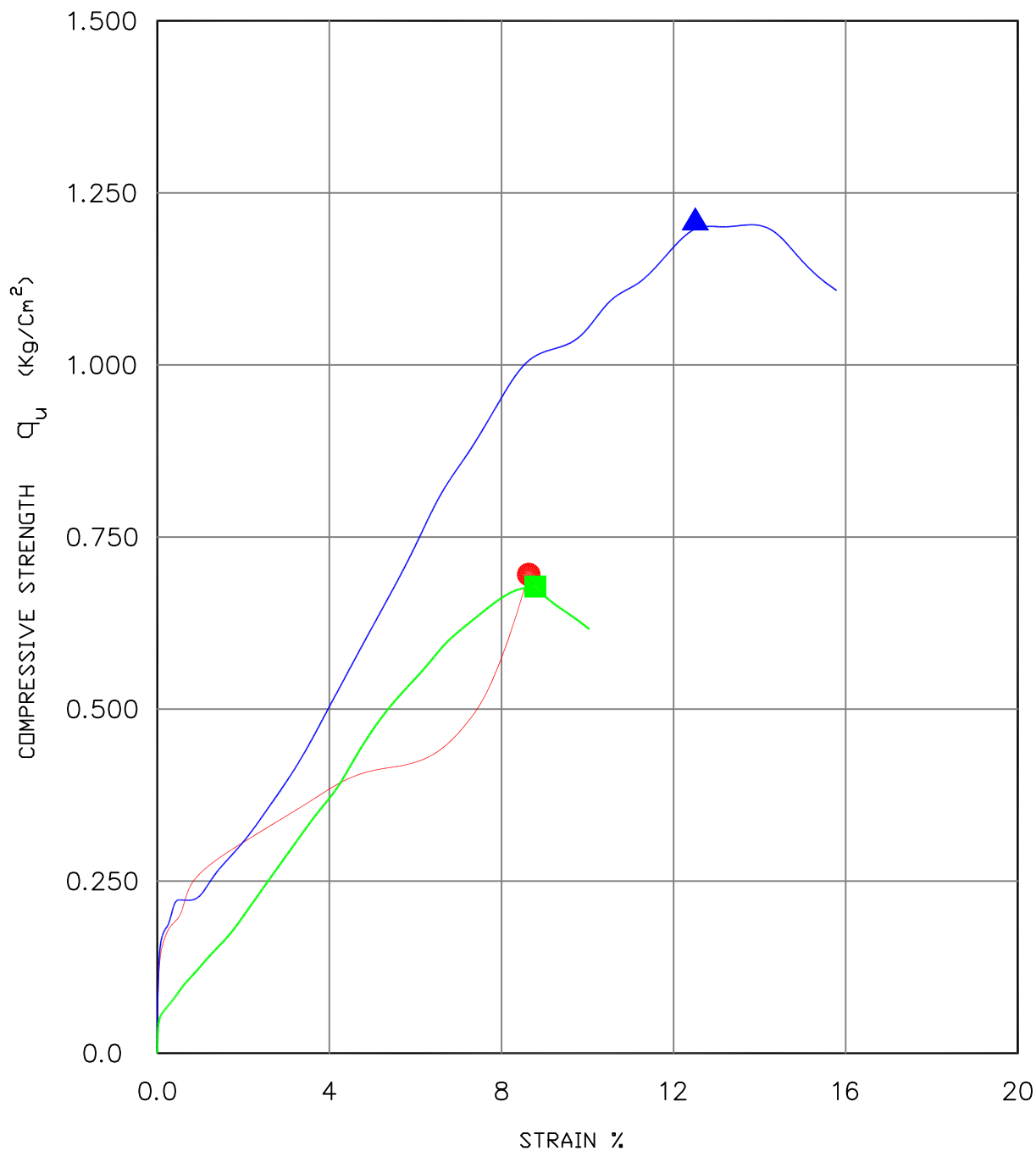


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
15

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-048	U01	7.50-7.90	<CL/ML>	Undisturbed	29	1.56	0.70
▲	BH-048	U02	10.00-10.50	<CL/ML>	Undisturbed	26	1.65	1.21
■	BH-048	U03	12.50-13.00	<CL>	Undisturbed	25	1.70	0.68

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

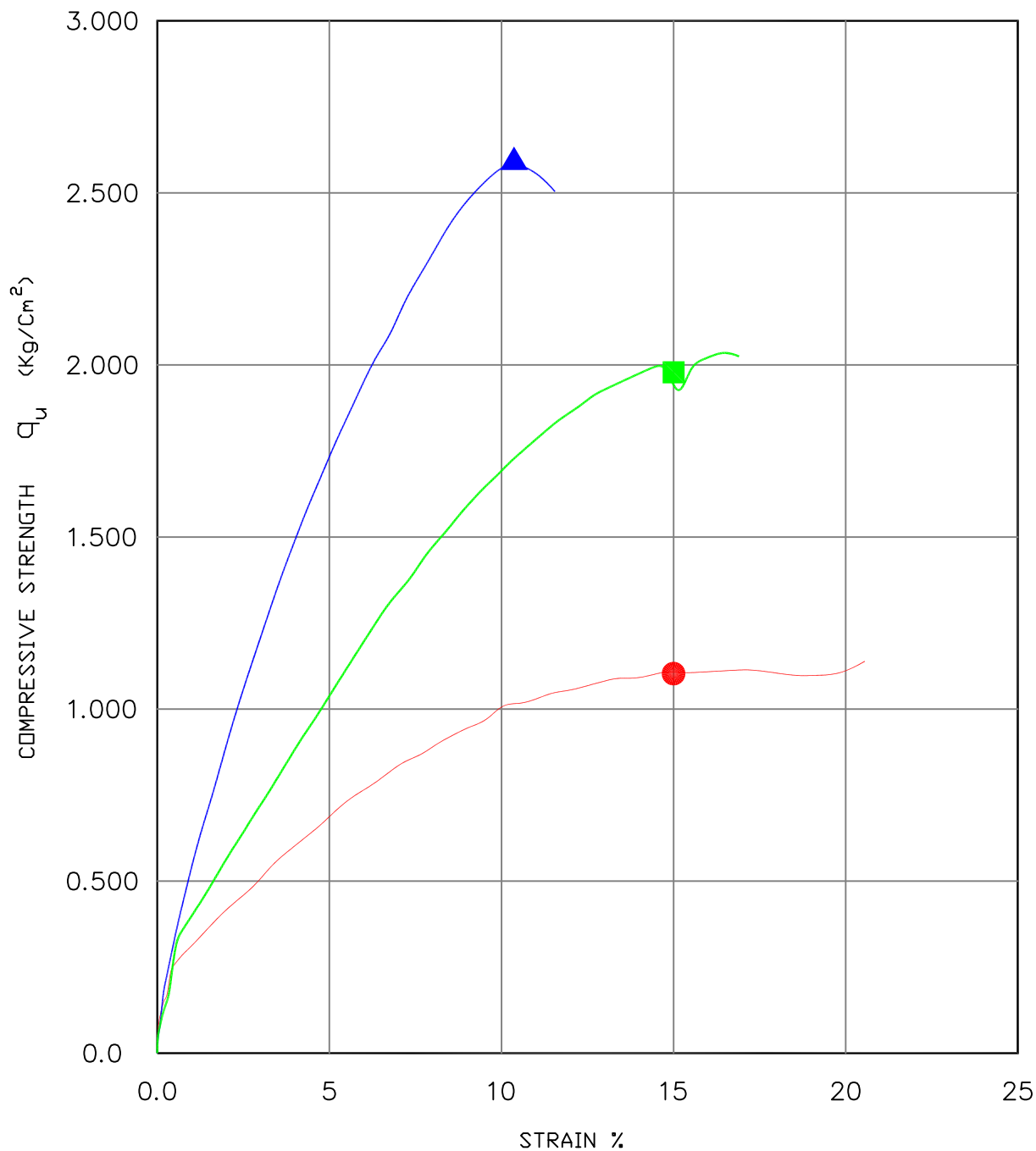


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
16

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-048	U14	40.00-40.25	<CL/ML>	Undisturbed	25	1.70	1.10
▲	BH-048	U16	45.00-45.25	<ML/CL>	Undisturbed	25	1.64	2.59
■	BH-048	U18	50.00-50.25	<ML/CL>	Undisturbed	21	1.75	1.98

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

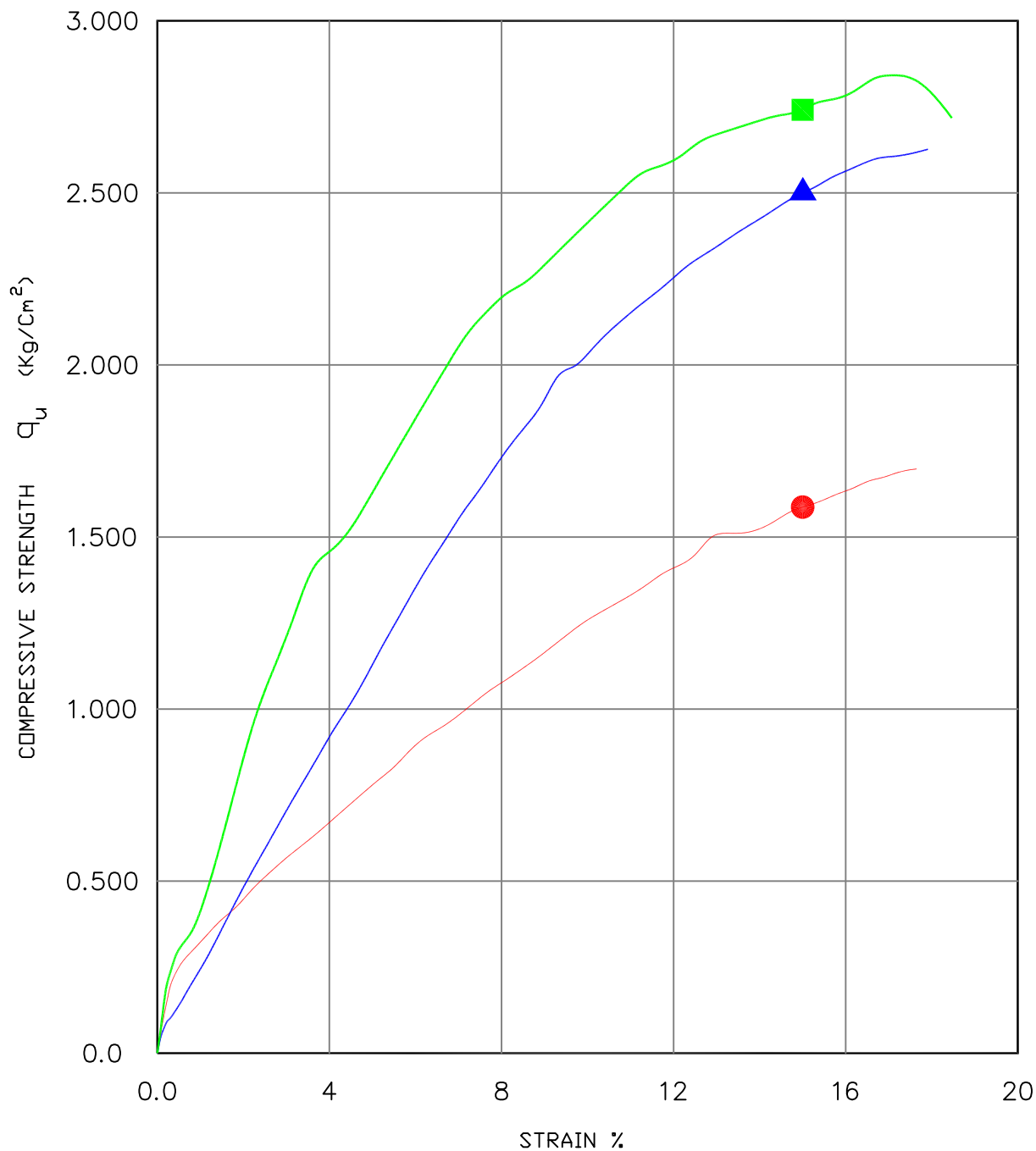


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
17

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-049	U01	5.00-5.50	CL	Undisturbed	21	1.67	1.59
▲	BH-049	U03	11.00-11.50	CL	Undisturbed	21	1.68	2.50
■	BH-049	U09	23.00-23.50	<CL>	Undisturbed	21	1.73	2.74

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

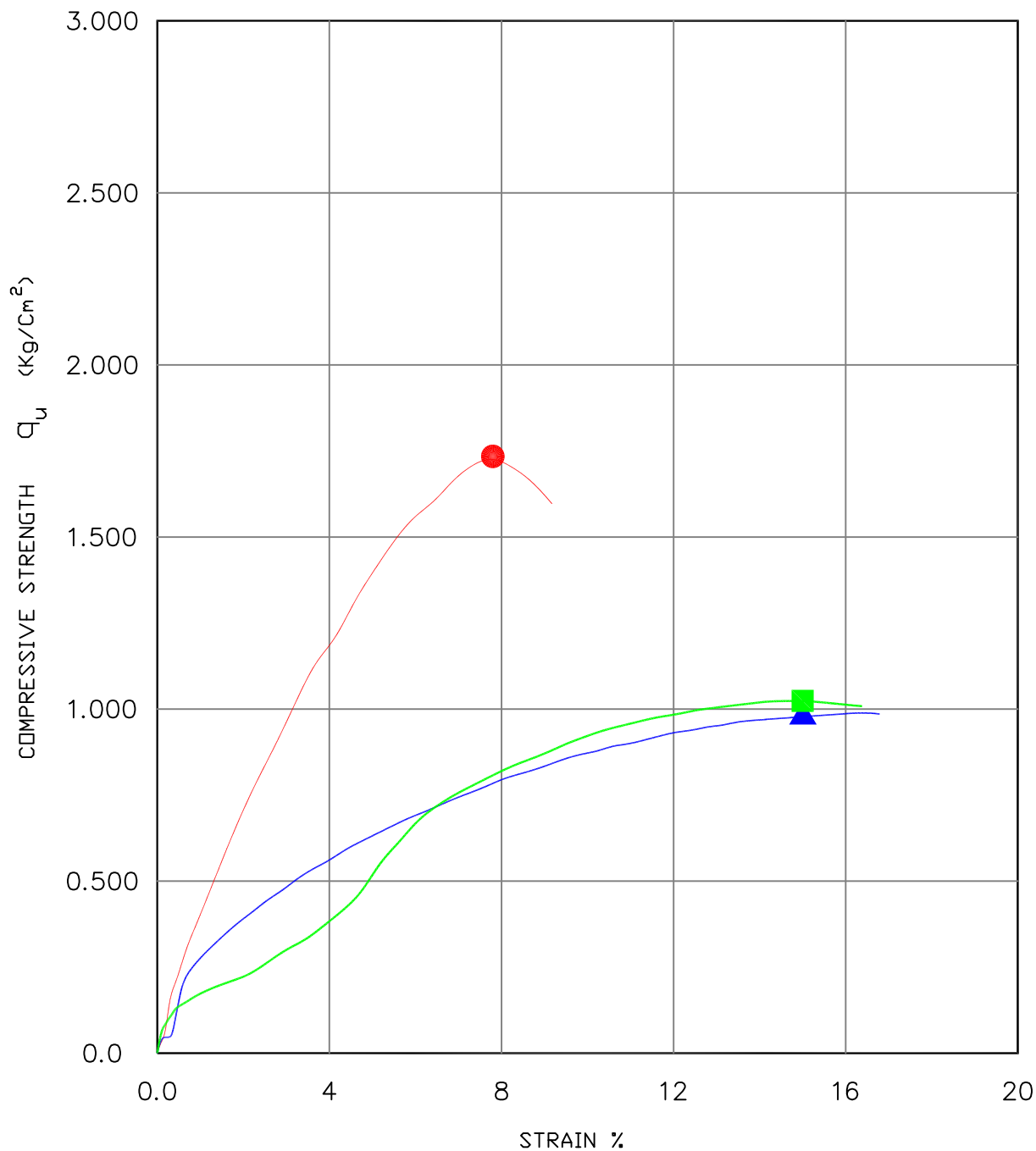


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
18

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-049	U11	27.00-27.50	<CL/ML>	Undisturbed	24	1.64	1.73
▲	BH-049	U13	31.00-31.50	<CL/ML>	Undisturbed	24	1.64	0.98
■	BH-049	U15	35.00-35.50	CL	Undisturbed	24	1.55	1.02

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

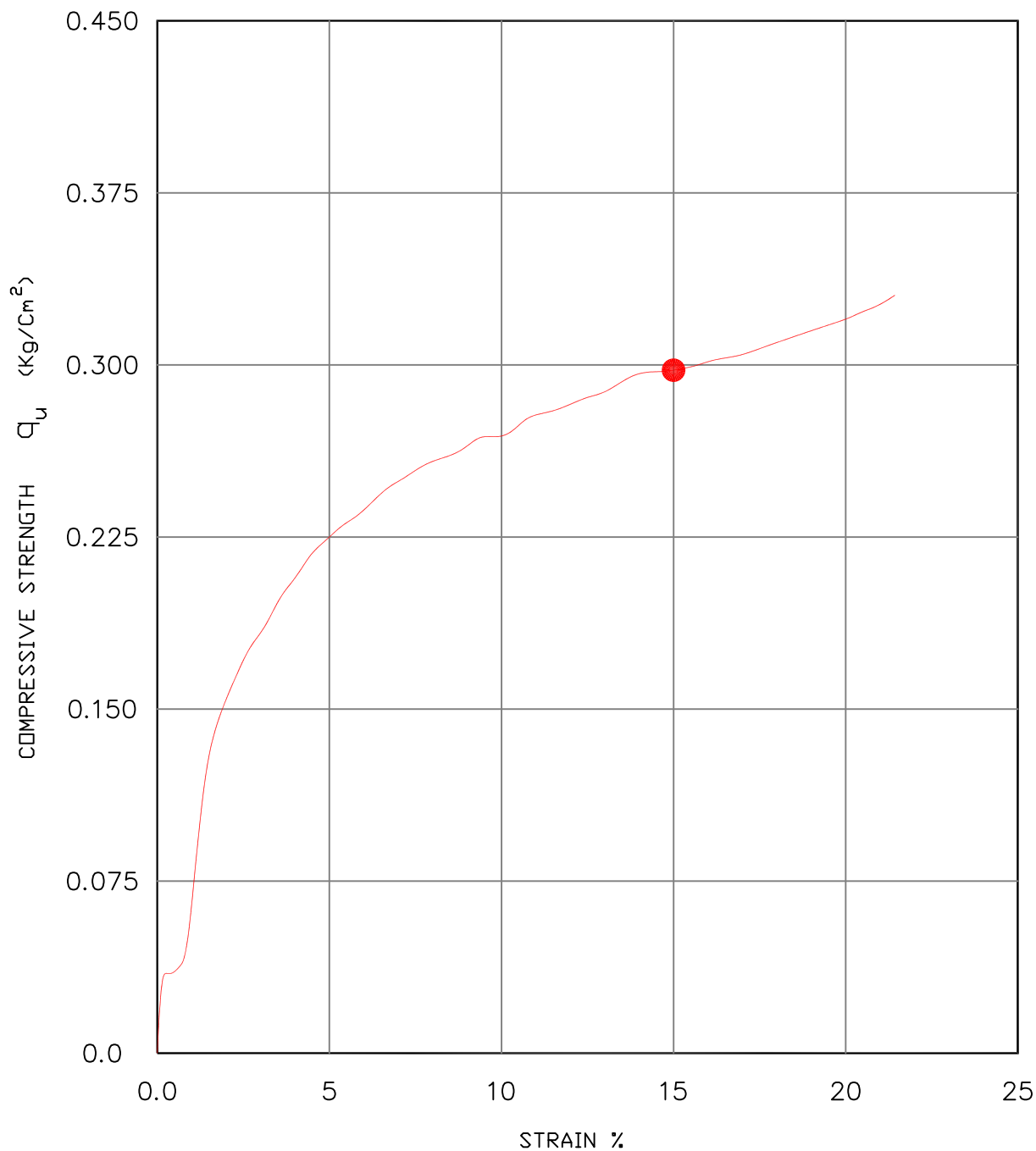


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
19

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-049	U16	37.00-37.50	<CL/ML>	Undisturbed	28	1.60	0.30
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

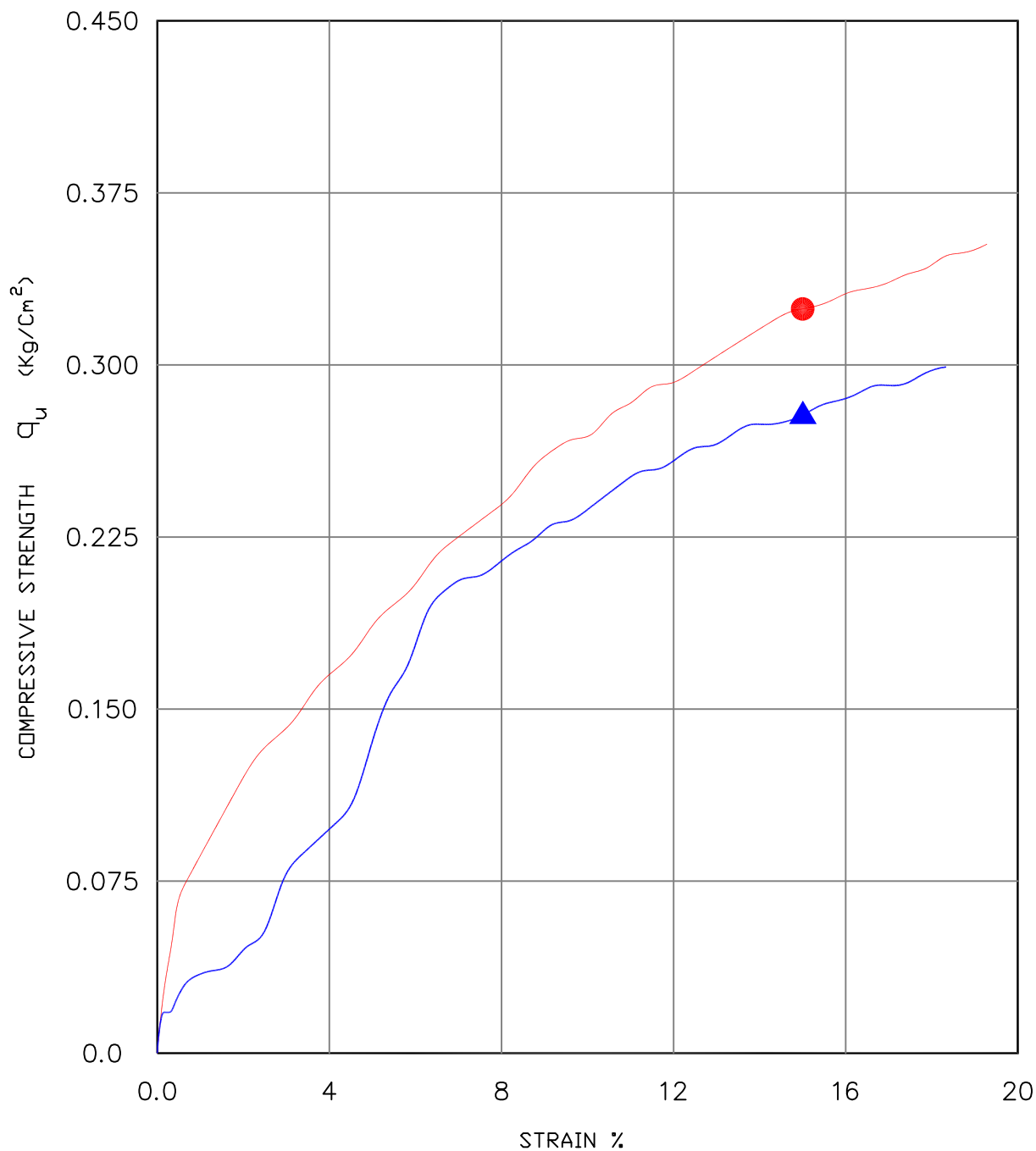


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
20

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm^3)	q_u (Kg/Cm^2)
●	BH-053	U03	9.50-10.00	<CL-ML/CL>	Undisturbed	28	1.60	0.32
▲	BH-053	U07	17.50-18.00	<CL/ML>	Undisturbed	26	1.64	0.28
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

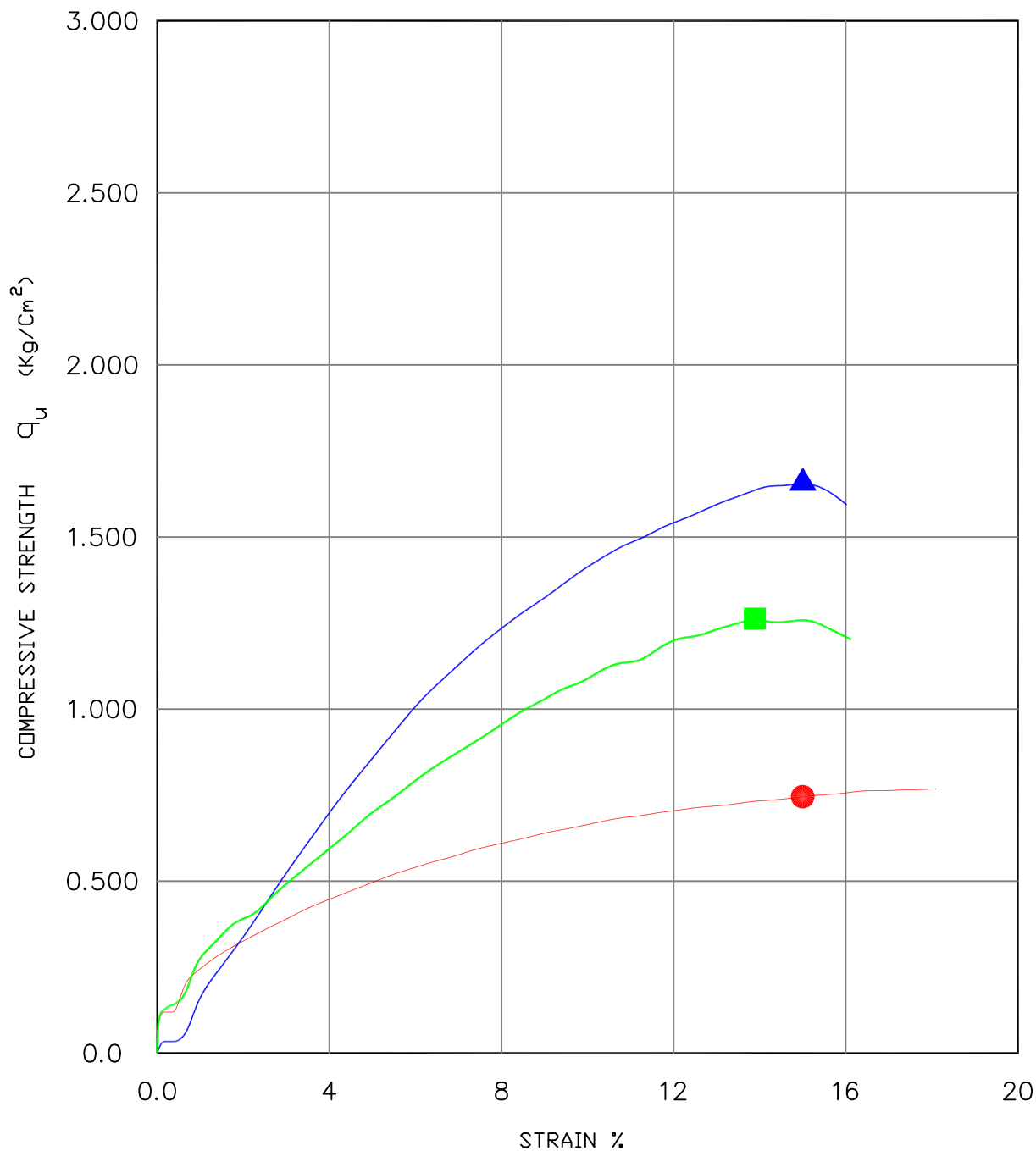


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
21

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-058	U02	7.50-8.00	<ML/CL-ML/CL>	Undisturbed	26	1.62	0.75
▲	BH-058	U06	15.50-16.00	<ML/CL-ML/CL>	Undisturbed	25	1.65	1.66
■	BH-058	U07	17.50-18.00	<CL/ML>	Undisturbed	24	1.67	1.26

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

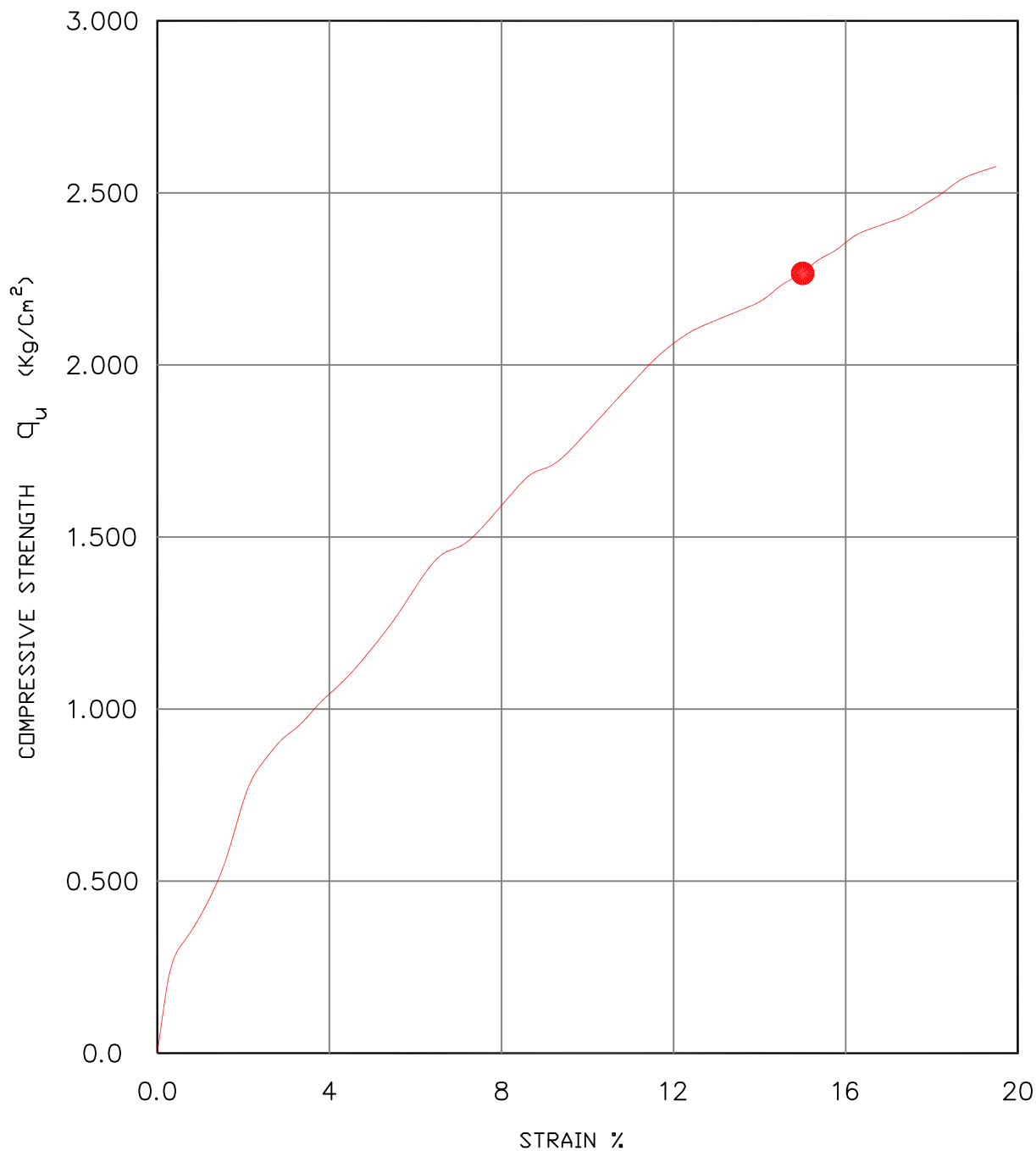


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
22

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-058	U08	19.50-20.00	CL	Undisturbed	20	1.69	2.27
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

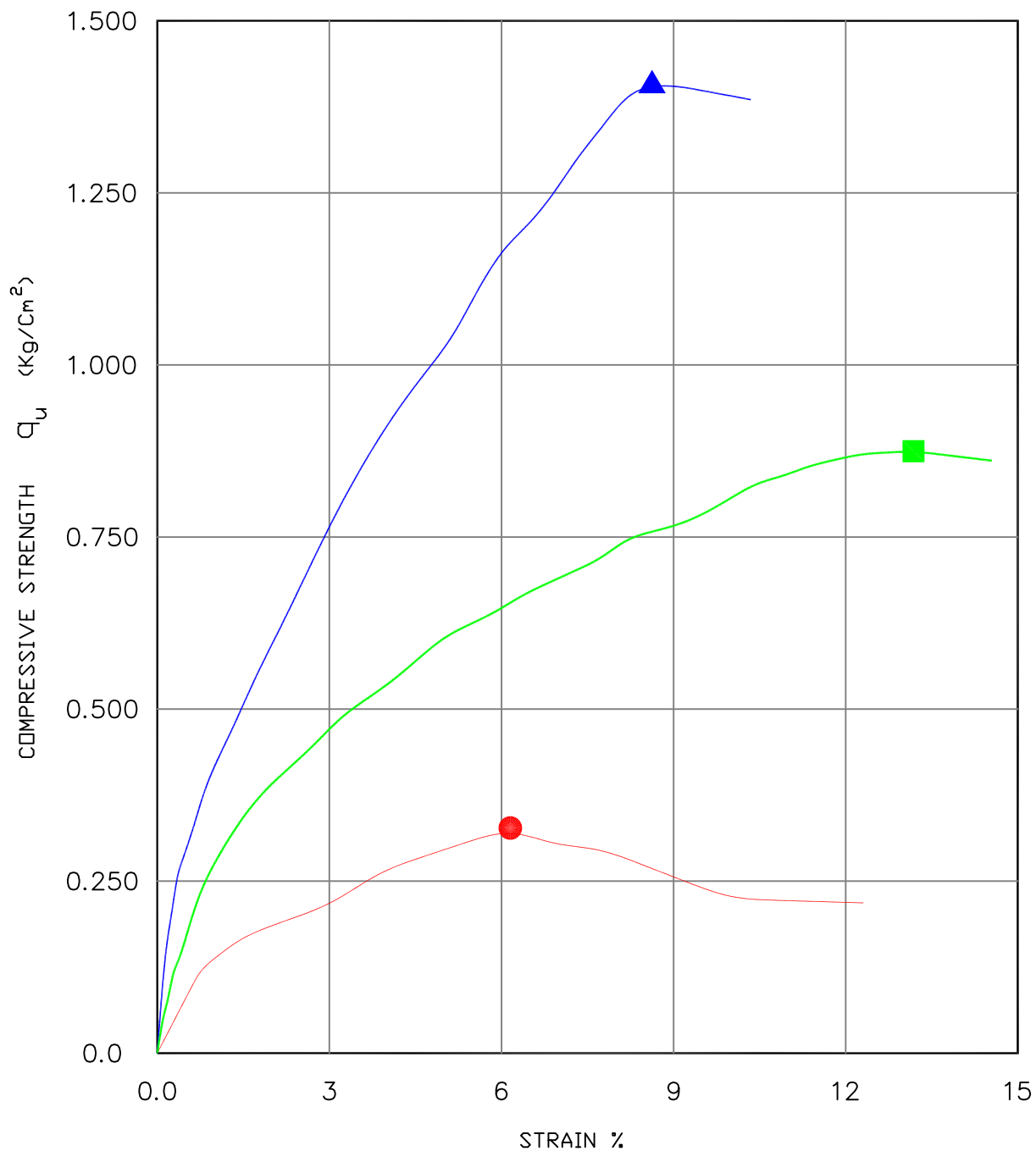


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
23

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-059	U01	3.50-4.00	<CL>	Undisturbed	25	2.28	0.33
▲	BH-059	U06	13.50-14.00	CL	Undisturbed	22	1.70	1.41
■	BH-059	U11	24.00-24.50	CL	Undisturbed	23	1.63	0.87

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

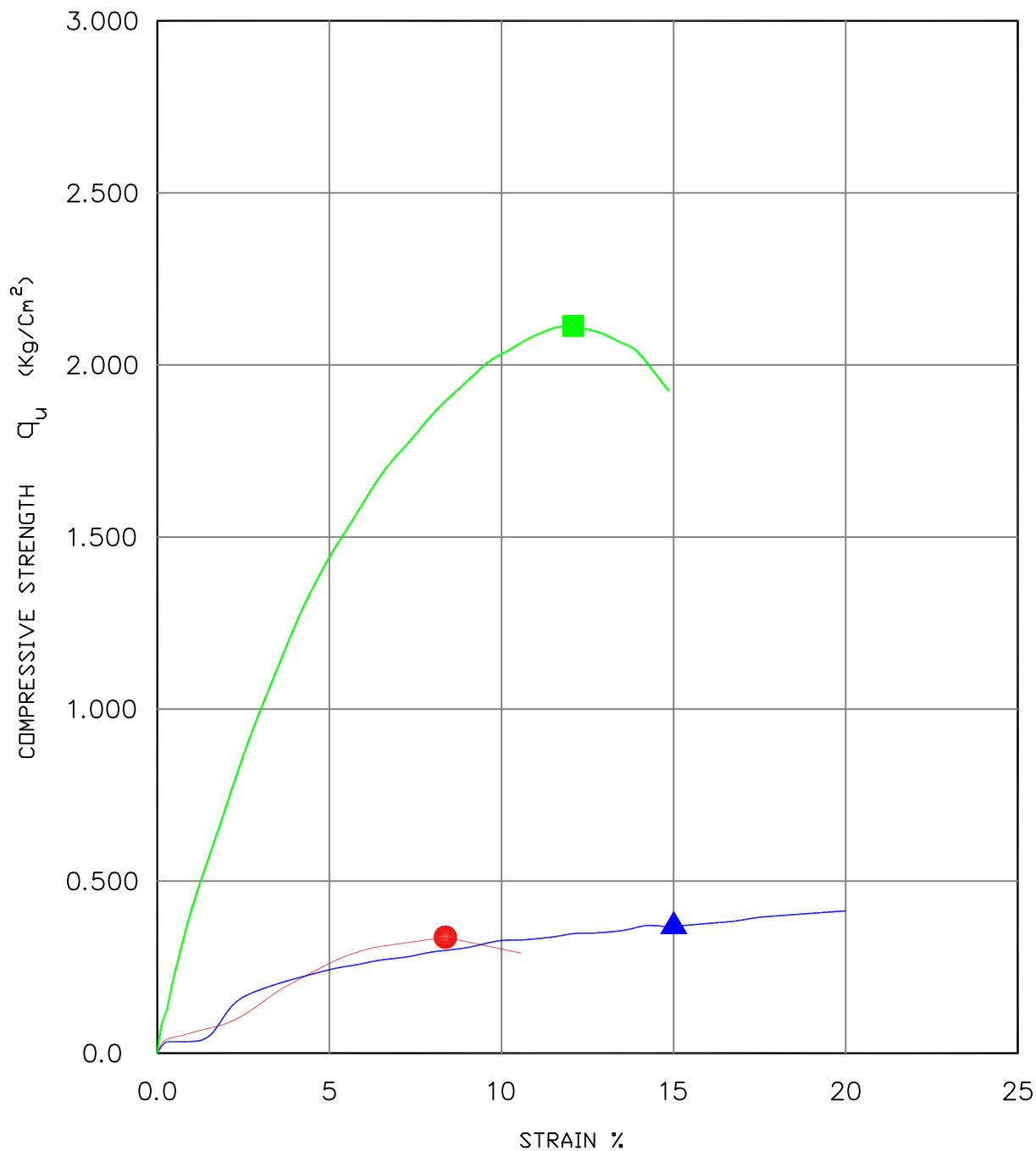


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
24

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-059	U16	33.50-34.00	<CL/ML>	Undisturbed	27	1.63	0.34
▲	BH-059	U17	35.50-36.00	<ML/CL>	Undisturbed	26	1.60	0.37
■	BH-059	U18	37.50-38.00	CL	Undisturbed	25	1.68	2.11

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

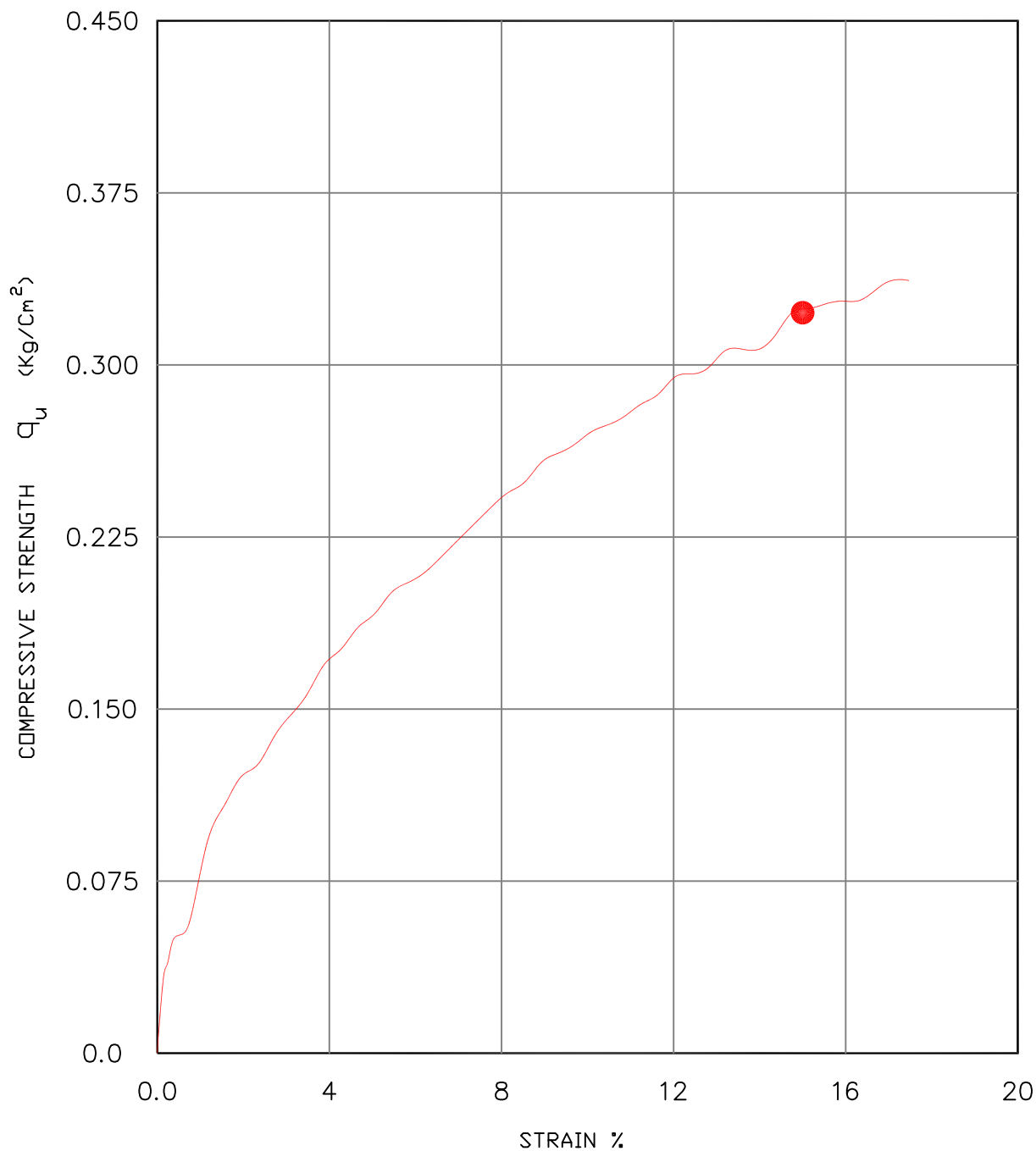


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
25

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-062	U02	7.50-8.00	<CL-ML>	Undisturbed	26	1.64	0.32
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

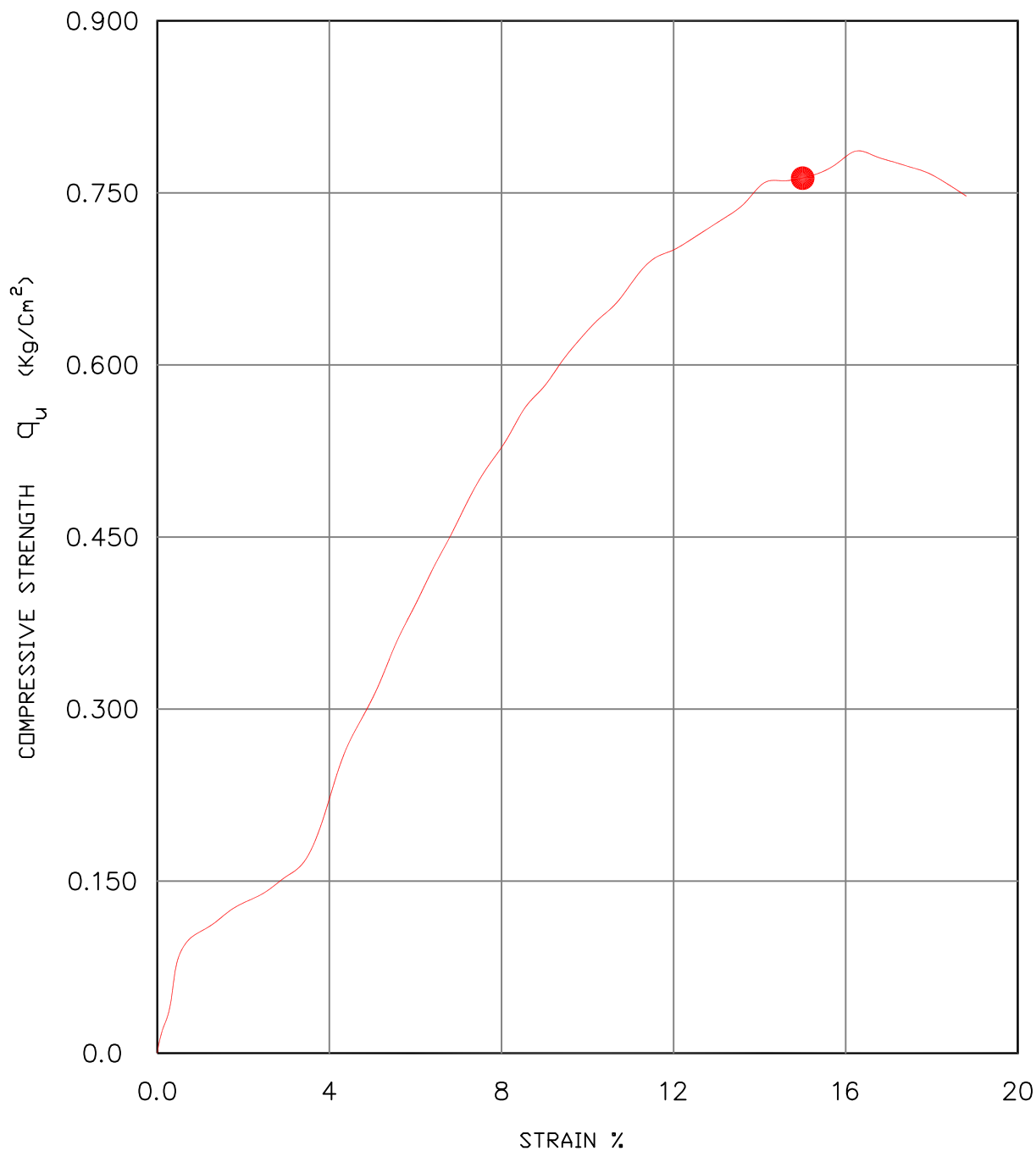


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
26

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-064	U08	18.50-18.95	<CL/ML>	Undisturbed	27	1.65	0.76
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

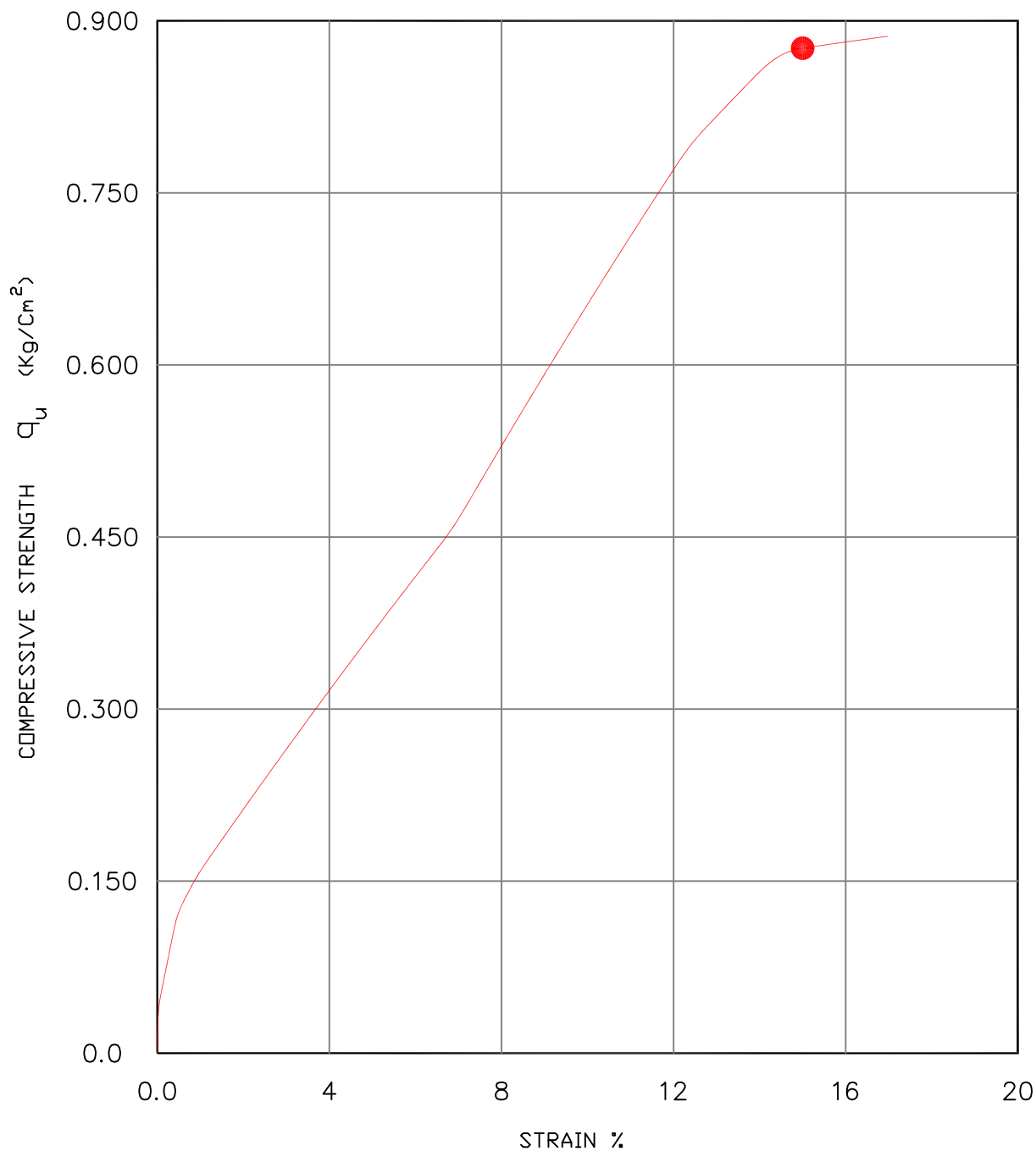


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
27

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-069	U06	14.00-14.50	<CL/ML>	Undisturbed	28	1.61	0.88
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

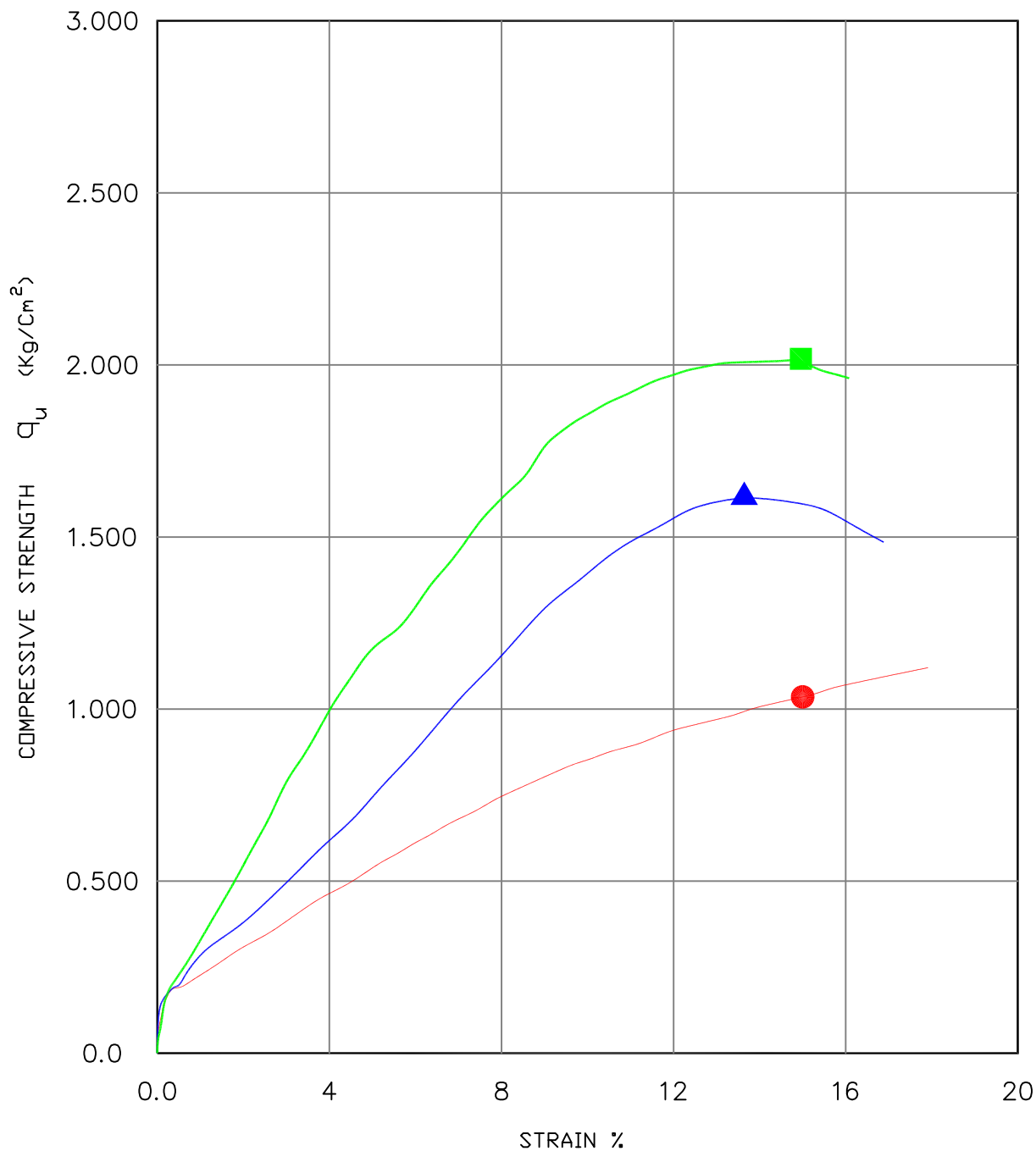


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
28

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-073	U02	13.00-13.75	<CL/ML>	Undisturbed	25	1.70	1.04
▲	BH-073	U04	23.00-23.45	<CL/ML>	Undisturbed	24	1.70	1.62
■	BH-073	U06	33.00-33.30	<CL>	Undisturbed	23	1.65	2.02

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

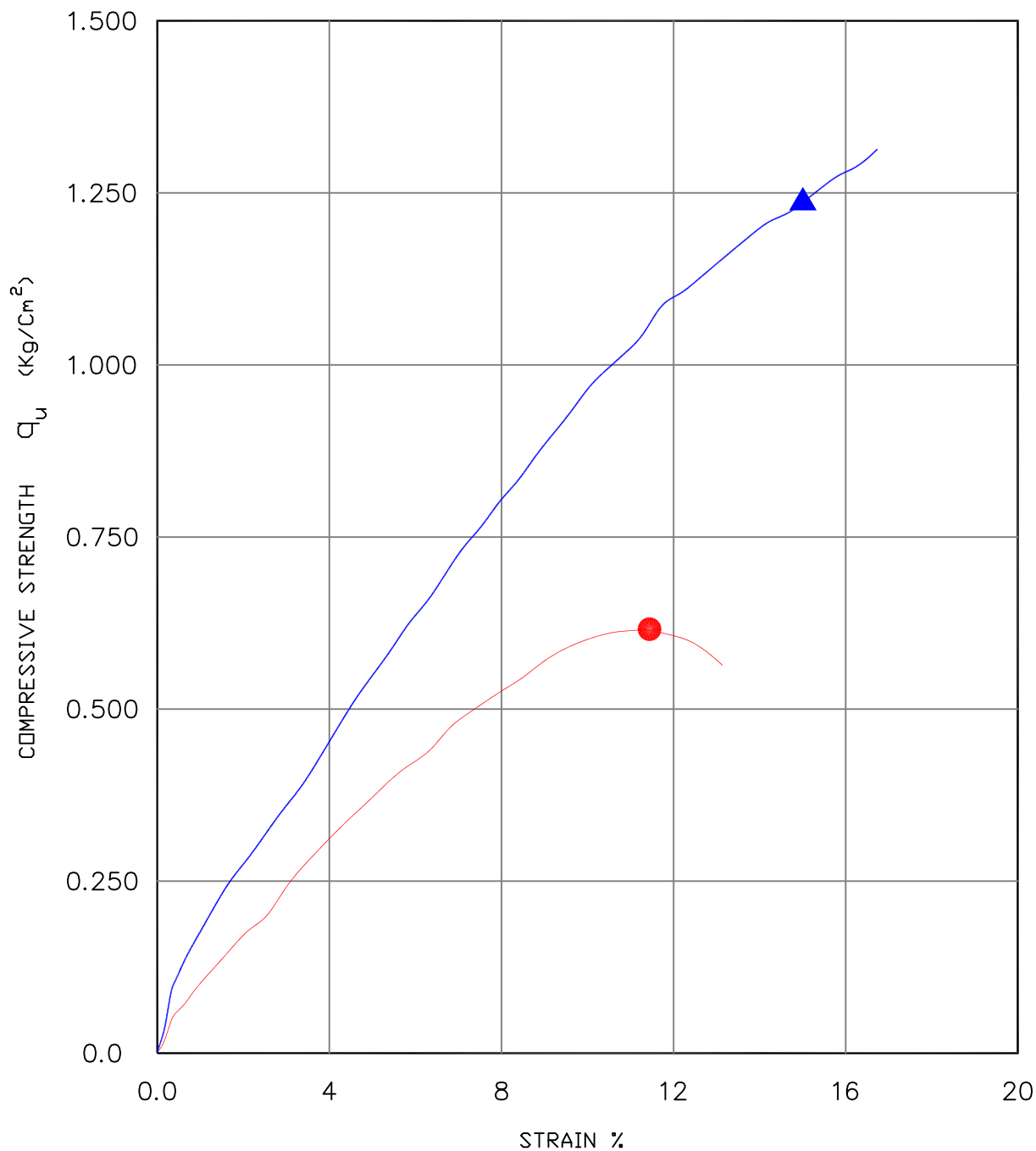


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
29

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-082	U02	8.00-8.50	<CL/ML>	Undisturbed	28	1.60	0.62
▲	BH-082	U07	18.00-18.50	<CL/ML>	Undisturbed	24	1.64	1.24
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

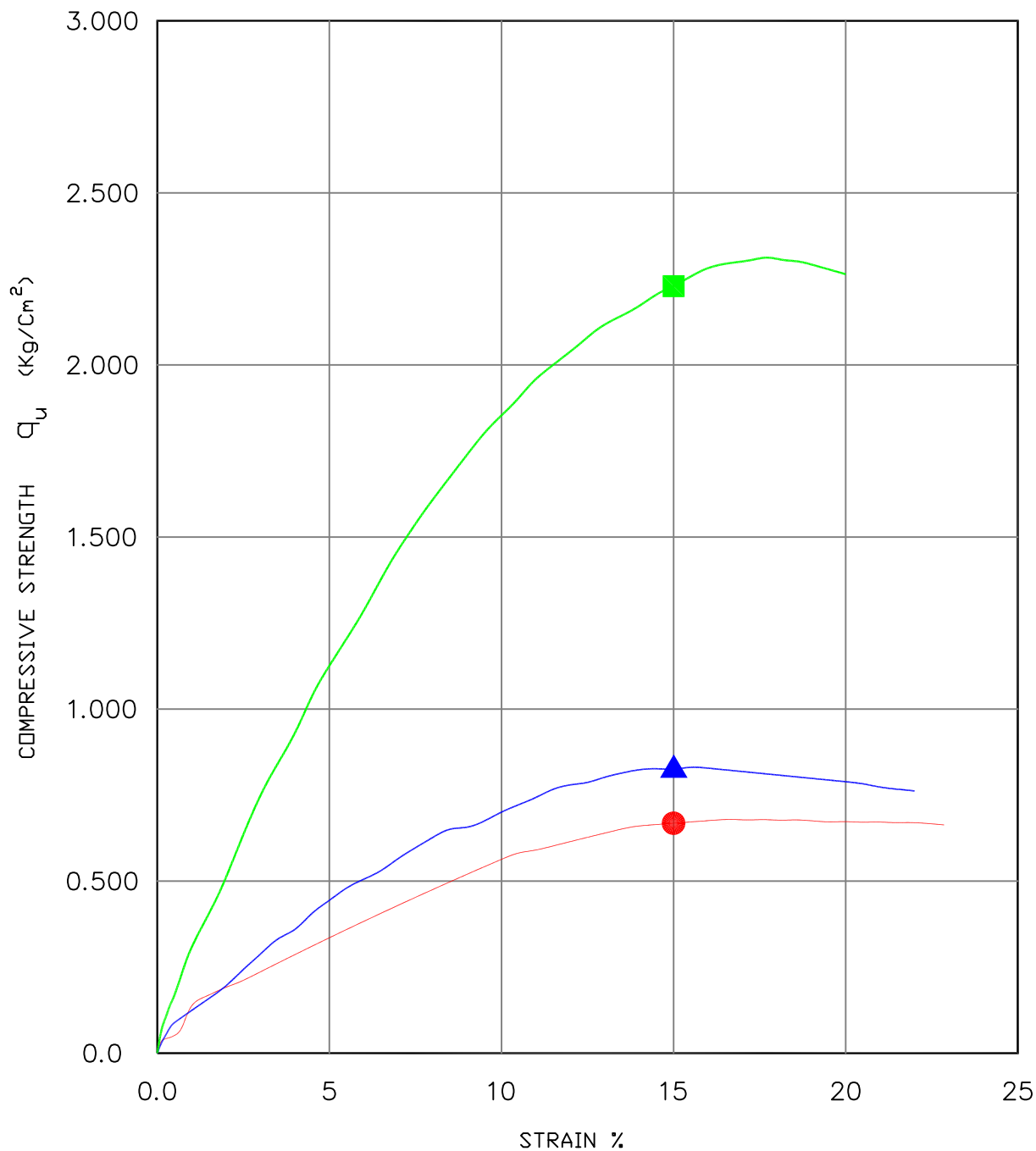


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
30

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-086	U01	5.00-5.50	<CL/ML>	Undisturbed	25	1.63	0.67
▲	BH-086	U02	7.50-8.00	CL	Undisturbed	26	1.59	0.82
■	BH-086	U05	15.00-15.50	CL	Undisturbed	25	1.53	2.23

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

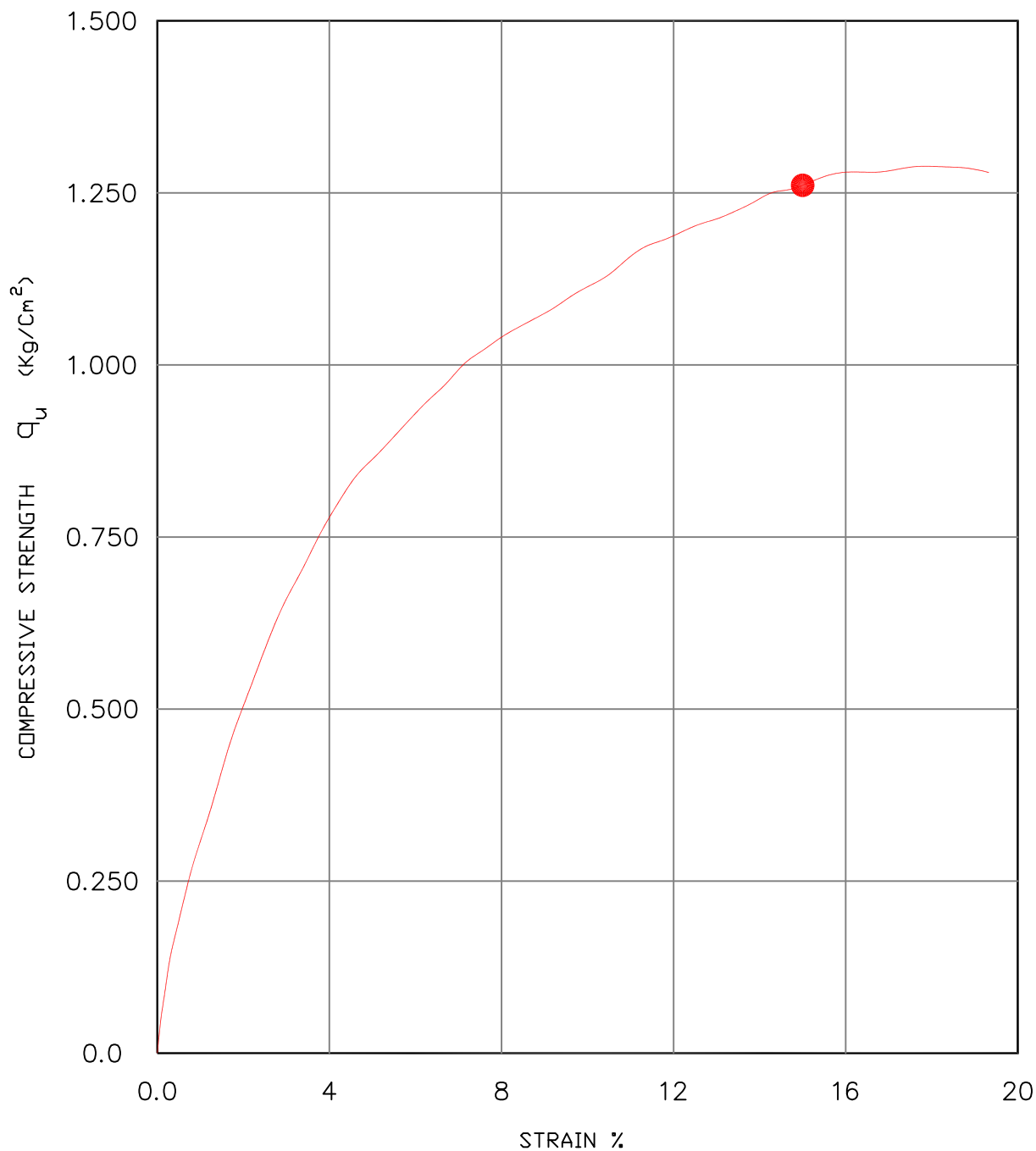


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
31

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm^3)	q_u (Kg/Cm^2)
●	BH-095	U06	15.50-16.00	CL	Undisturbed	24	1.66	1.26
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

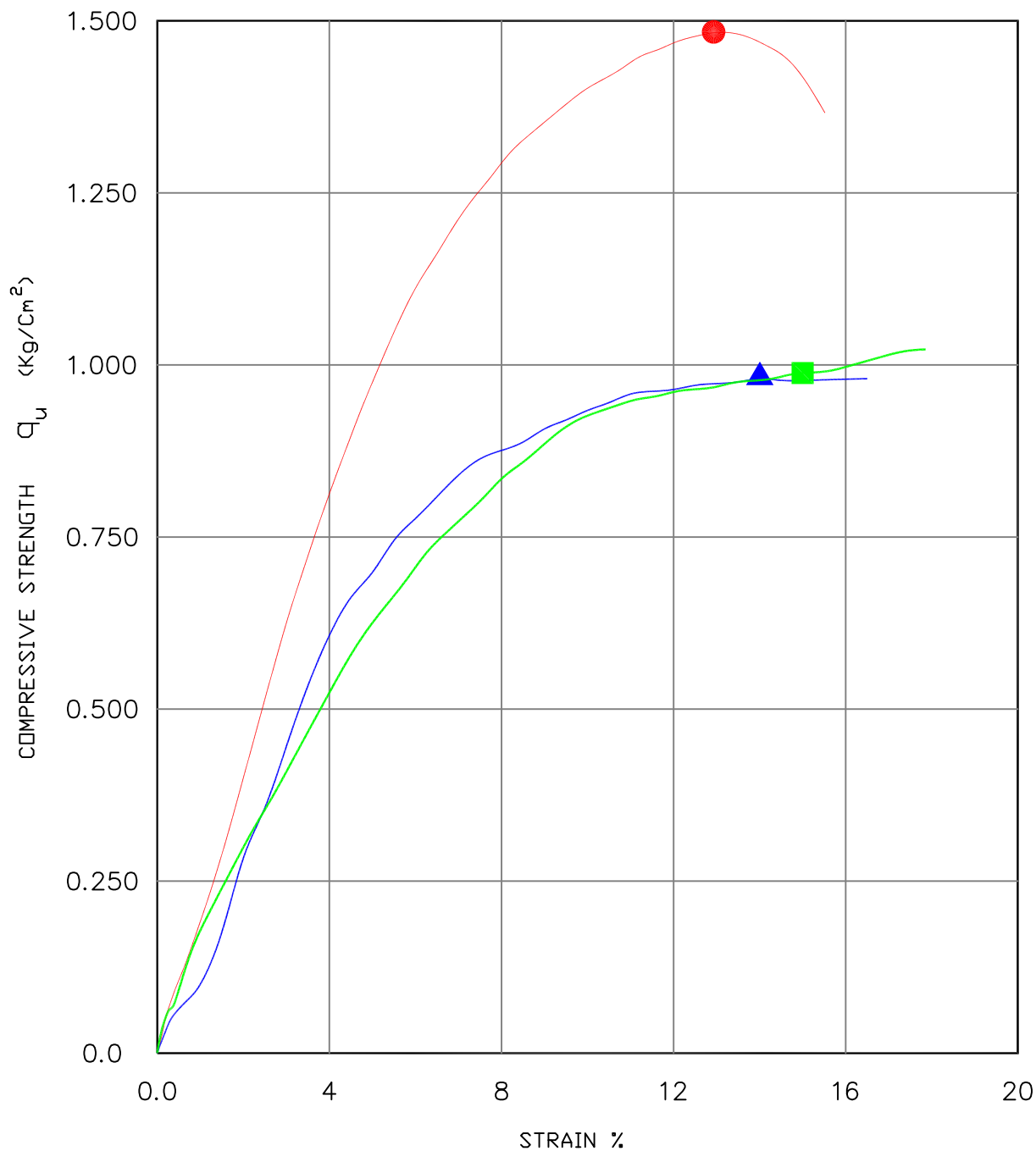


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
32

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-096	U16	38.00-38.50	<CL>	Undisturbed	23	1.72	1.48
▲	BH-096	U17	40.00-40.50	<CL>	Undisturbed	24	1.65	0.98
■	BH-096	U18	42.00-42.50	<CL>	Undisturbed	24	1.68	0.99

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

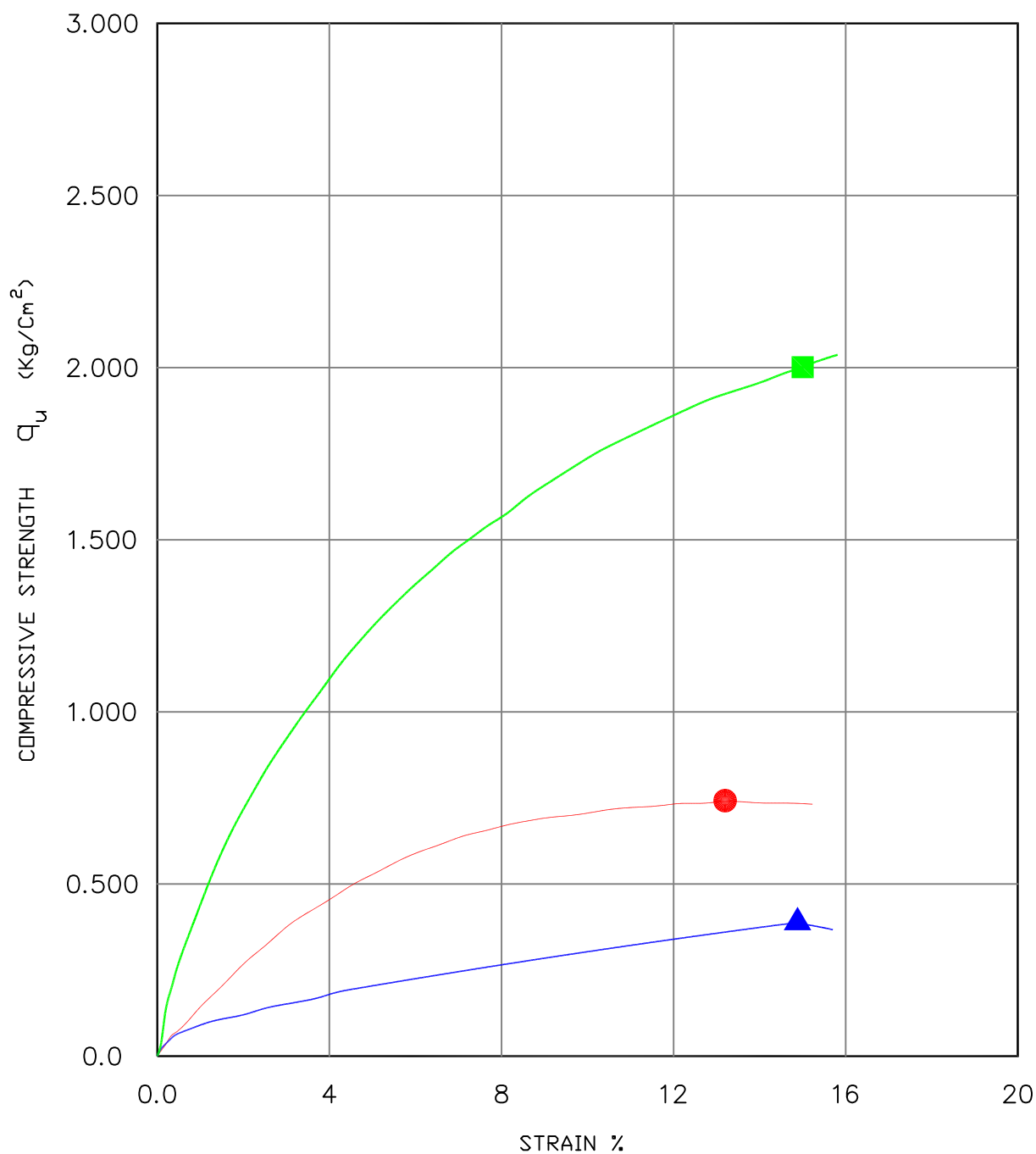


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
33

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-096	U20	46.00-46.50	<CL/ML>	Undisturbed	25	1.67	0.74
▲	BH-096	U21	48.00-48.50	<CL/ML>	Undisturbed	30	1.57	0.39
■	BH-096	U22	50.00-50.50	<CL>	Undisturbed	22	1.65	2.00

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

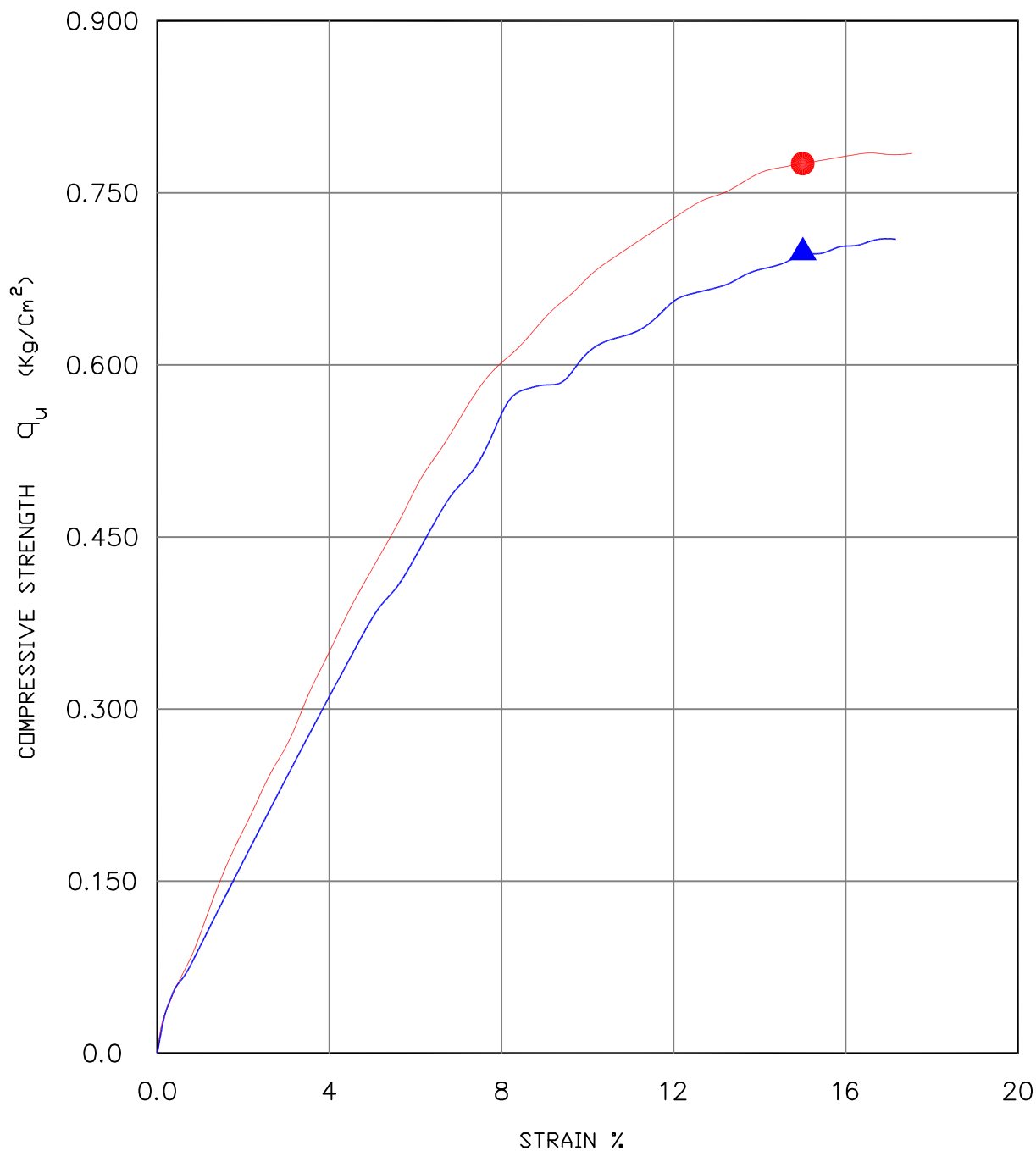


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
34

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-100	U01	6.00-6.50	<CL/ML>	Undisturbed	26	1.68	0.78
▲	BH-100	U02	8.00-8.50	<ML/CL>	Undisturbed	27	1.67	0.70
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

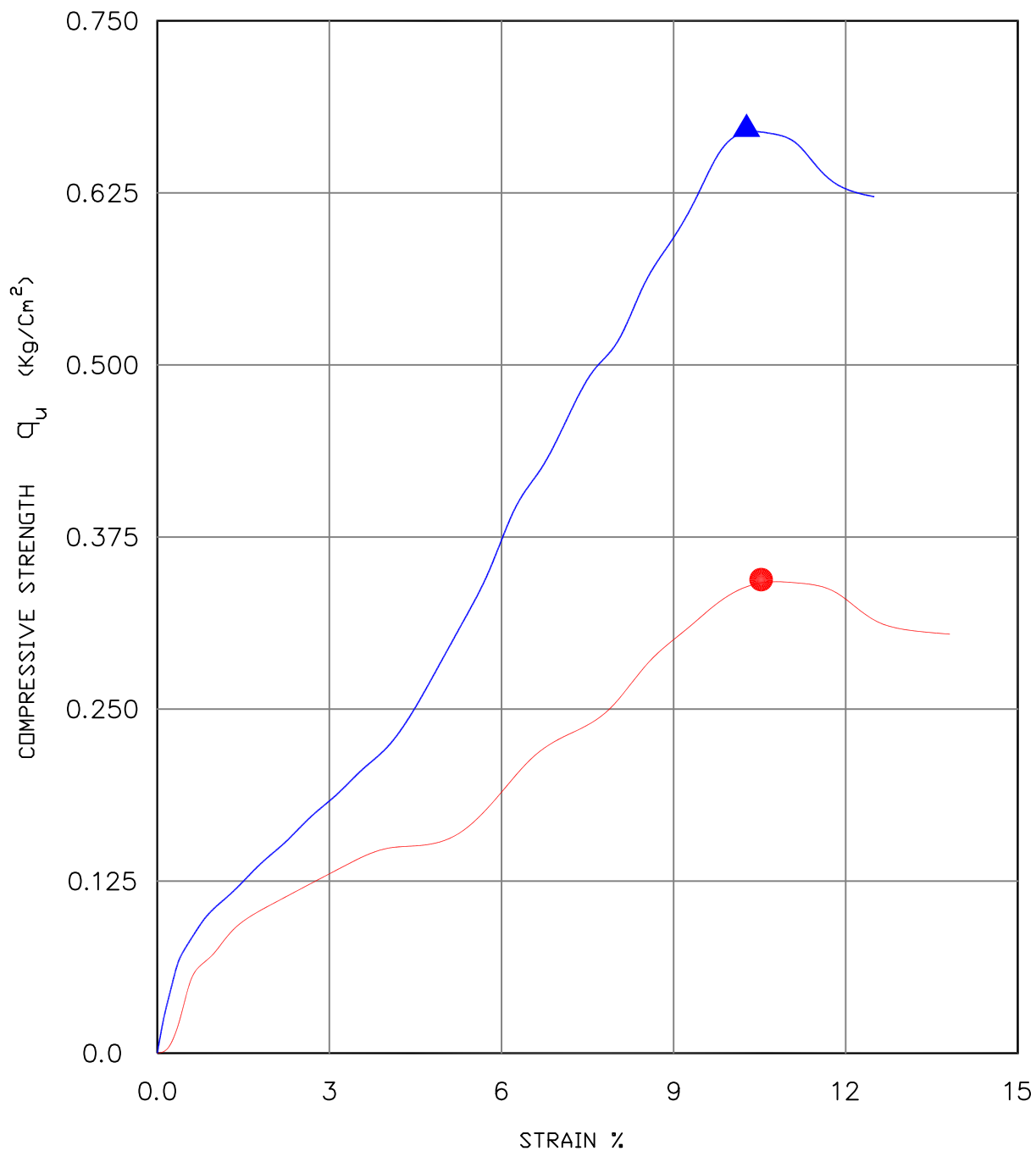


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
35

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-104	U01	6.00-6.50	CL	Undisturbed	24	1.53	0.34
▲	BH-104	U05	14.00-14.50	CL	Undisturbed	24	1.60	0.67
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

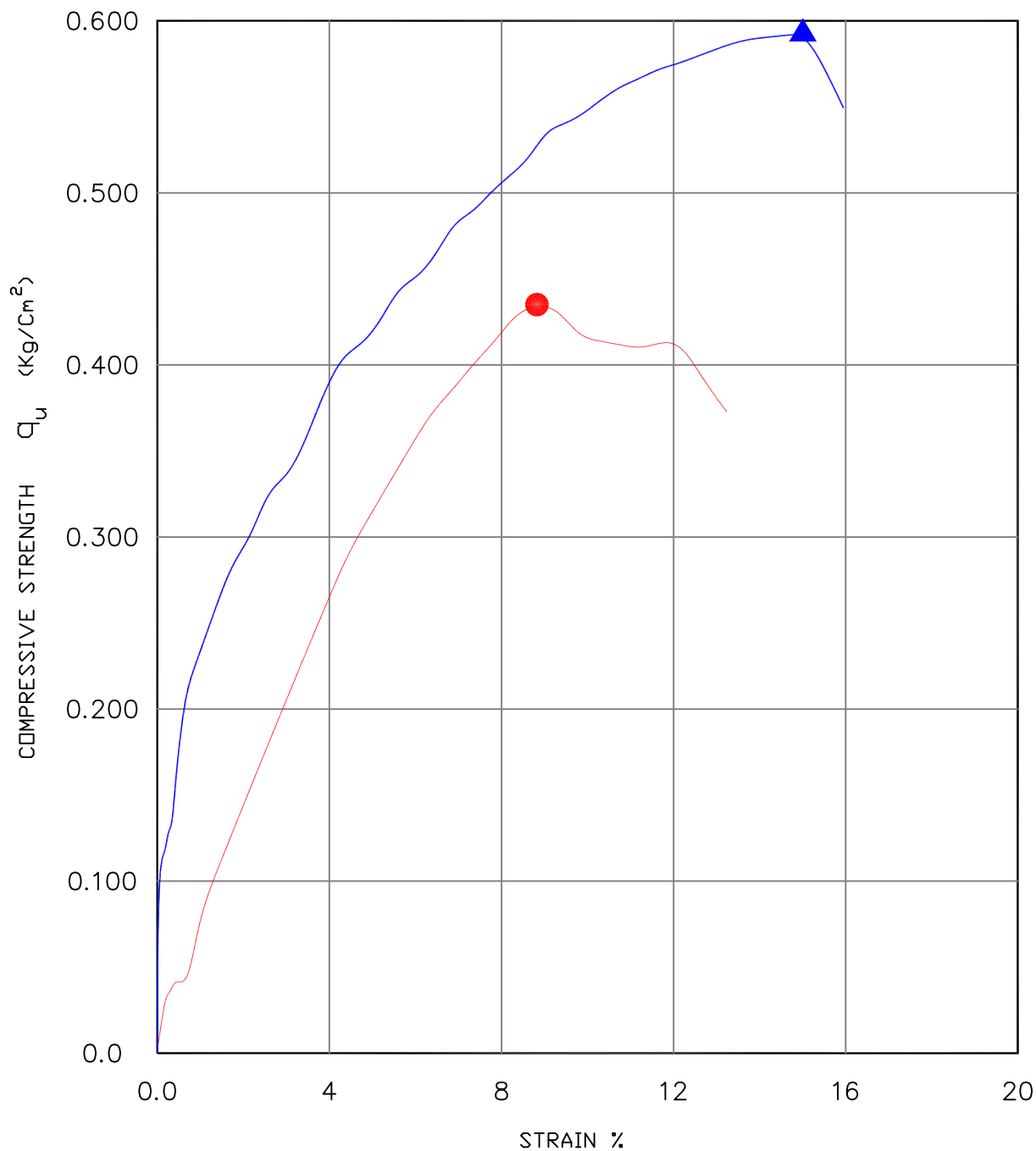


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
36

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/cm^3)	q_u (Kg/cm^2)
●	BH-107	U03	9.00-9.50	<CL/ML>	Undisturbed	29	1.59	0.44
▲	BH-107	U05	14.00-14.50	<ML>	Undisturbed	27	1.63	0.59
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

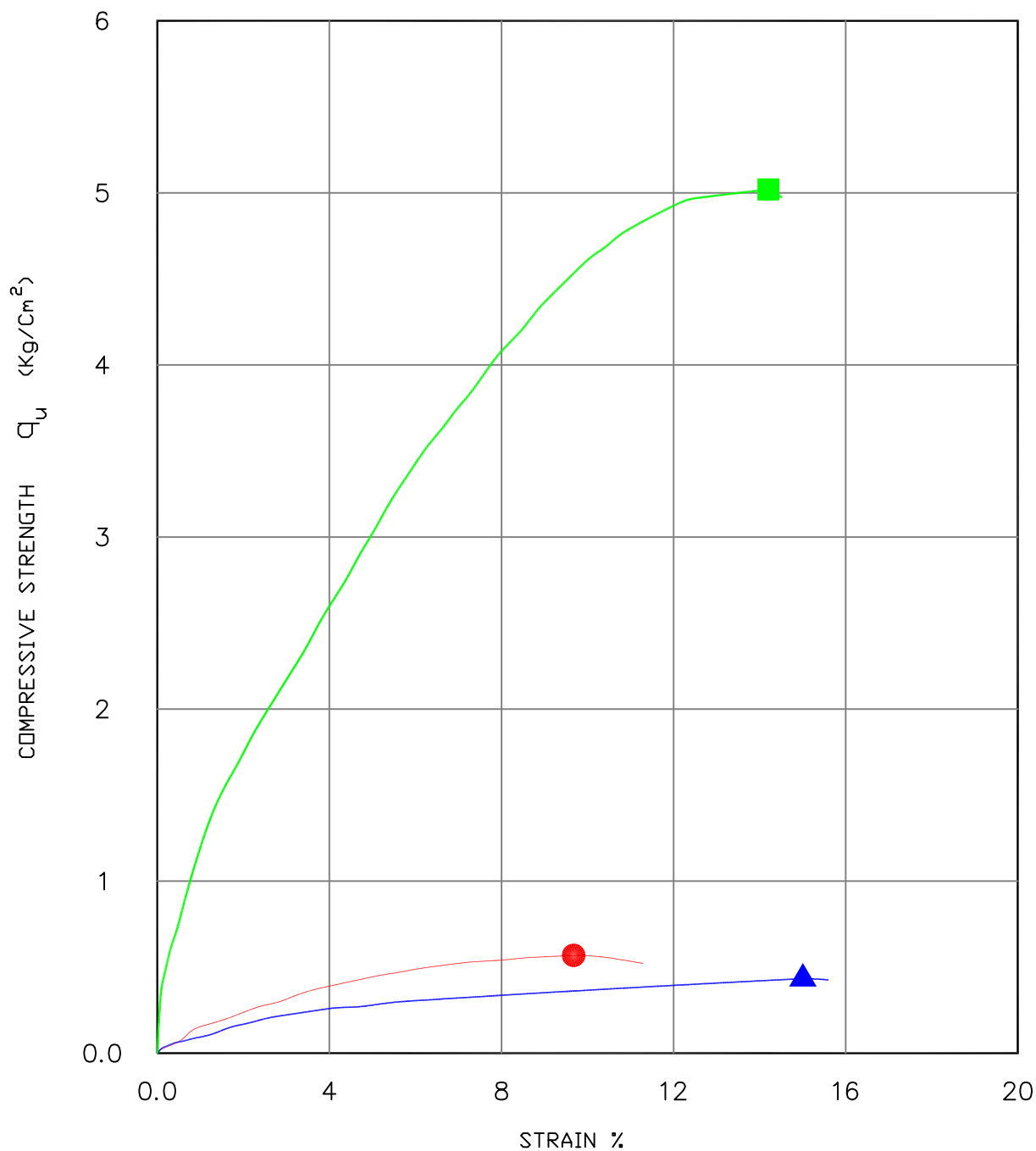


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
37

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-109	U01	7.00-7.40	<ML/CL-ML/CL>	Undisturbed	25	1.69	0.57
▲	BH-109	U14	33.00-33.45	<CL>	Undisturbed	28	1.60	0.43
■	BH-109	CB01	49.60-50.00	<CL/ML>	Undisturbed	22	1.70	5.02

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

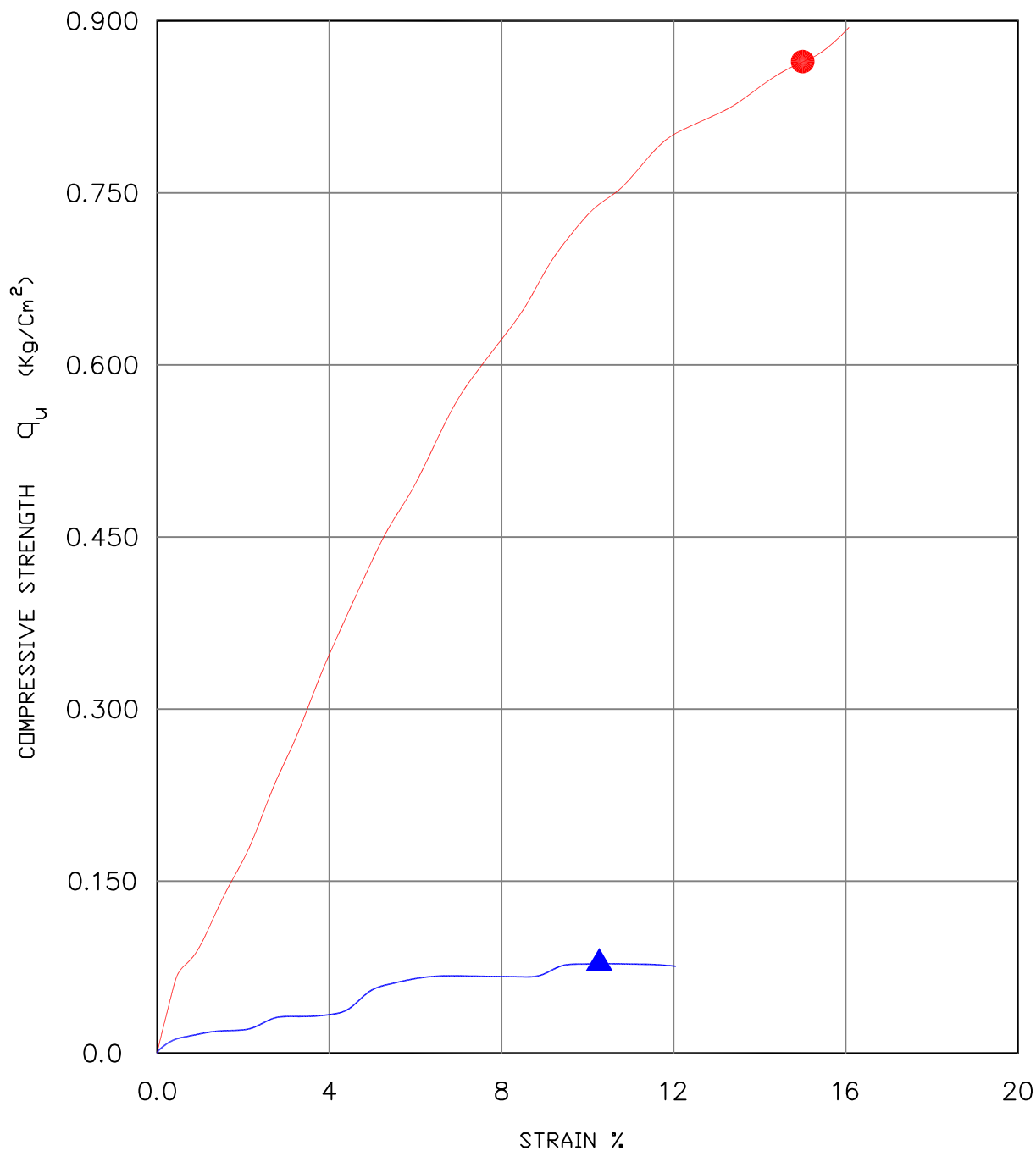


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
38

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-111	U01	6.50-6.95	<CL/ML>	Undisturbed	25	1.61	0.86
▲	BH-111	U04	12.50-12.95	<CL/ML>	Undisturbed	29	1.53	0.08
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

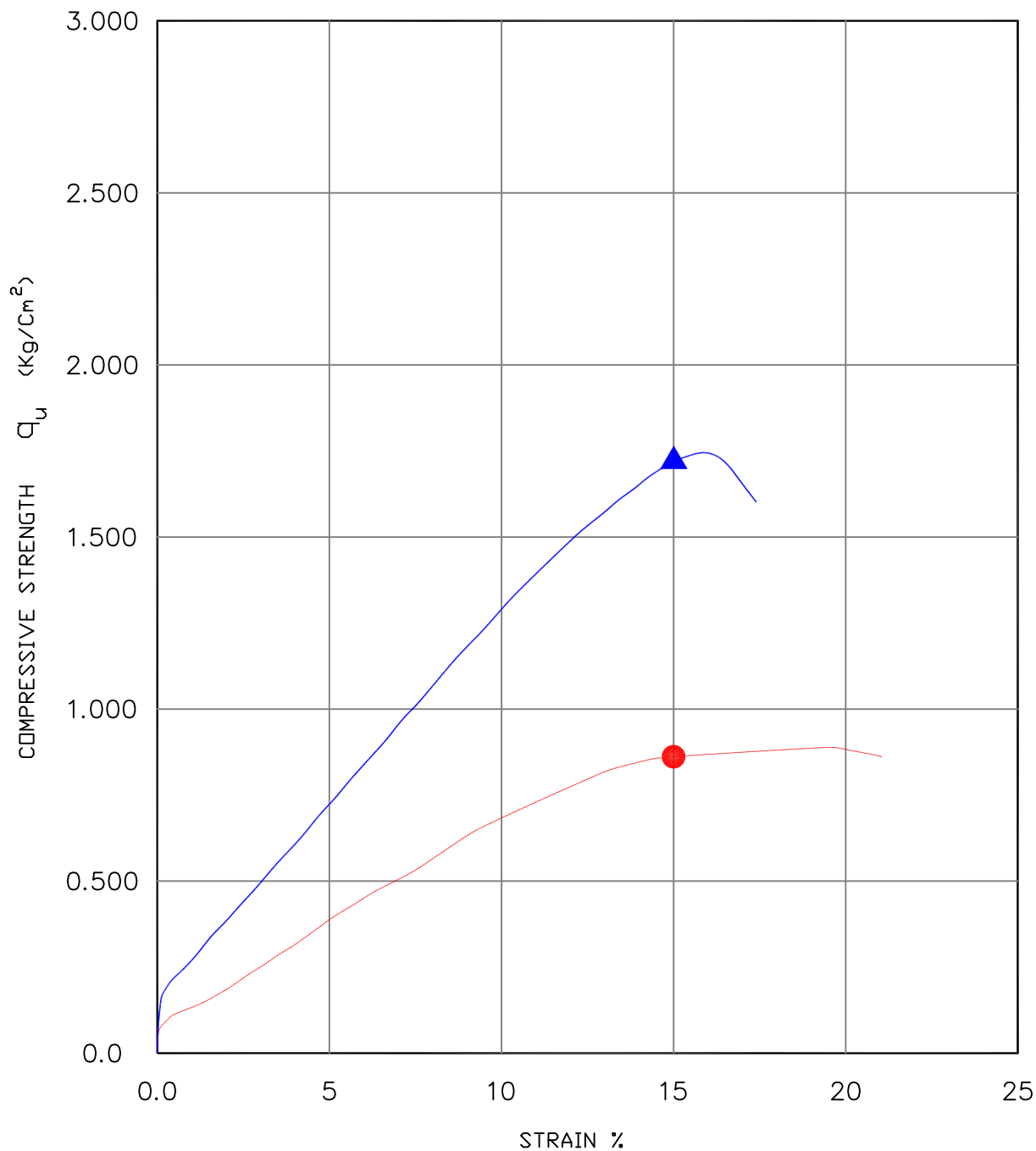


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
39

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-112	U06	20.00-20.75	<CL/ML>	Undisturbed	26	1.65	0.86
▲	BH-112	U14	40.00-40.30	<CL/ML>	Undisturbed	25	1.64	1.72
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

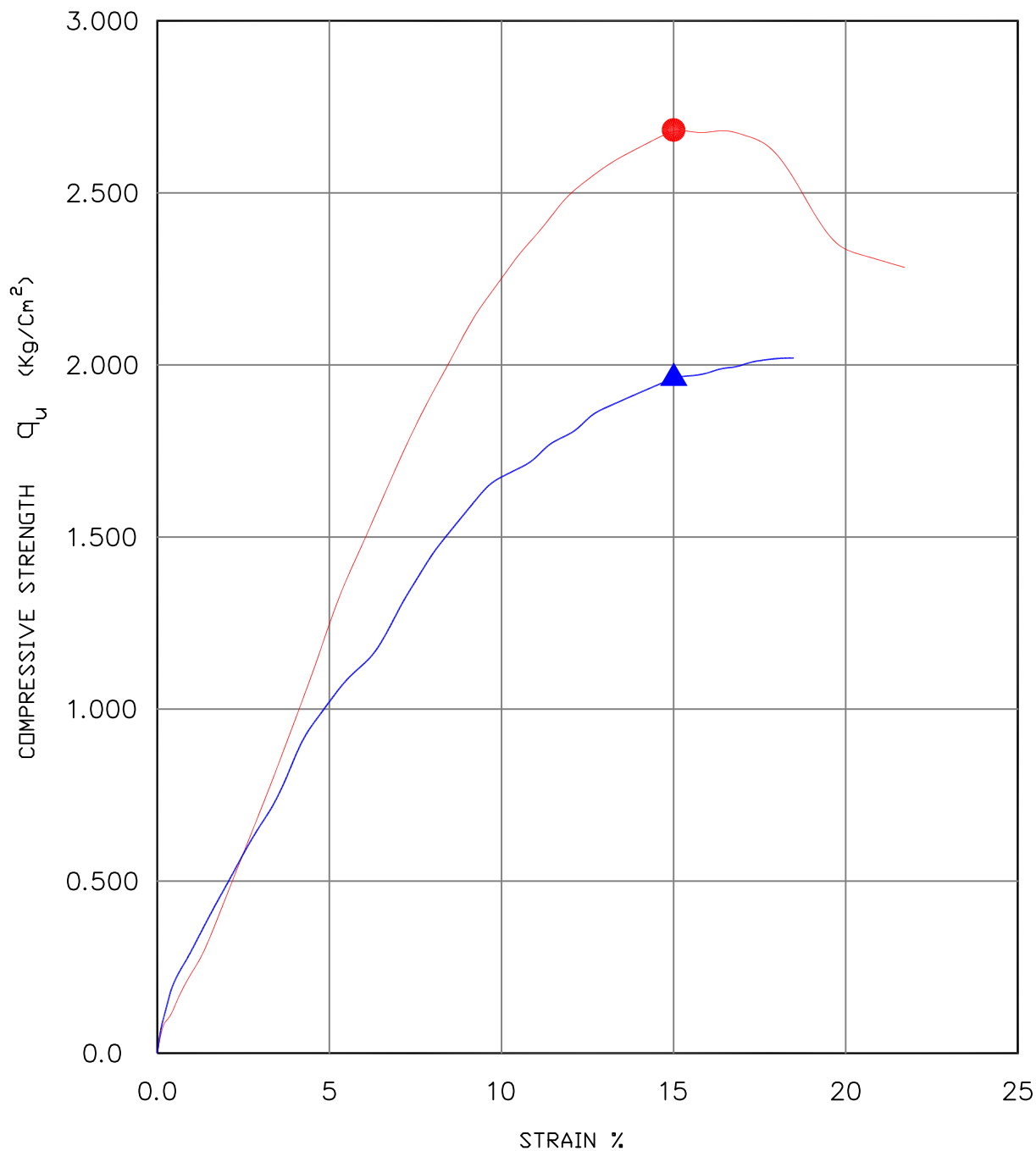


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
40

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/cm^3)	q_u (Kg/cm^2)
●	BH-119	U06	16.00-16.50	<CL>	Undisturbed	25	1.61	2.68
▲	BH-119	U16	41.00-41.50	CL	Undisturbed	25	1.57	1.96
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

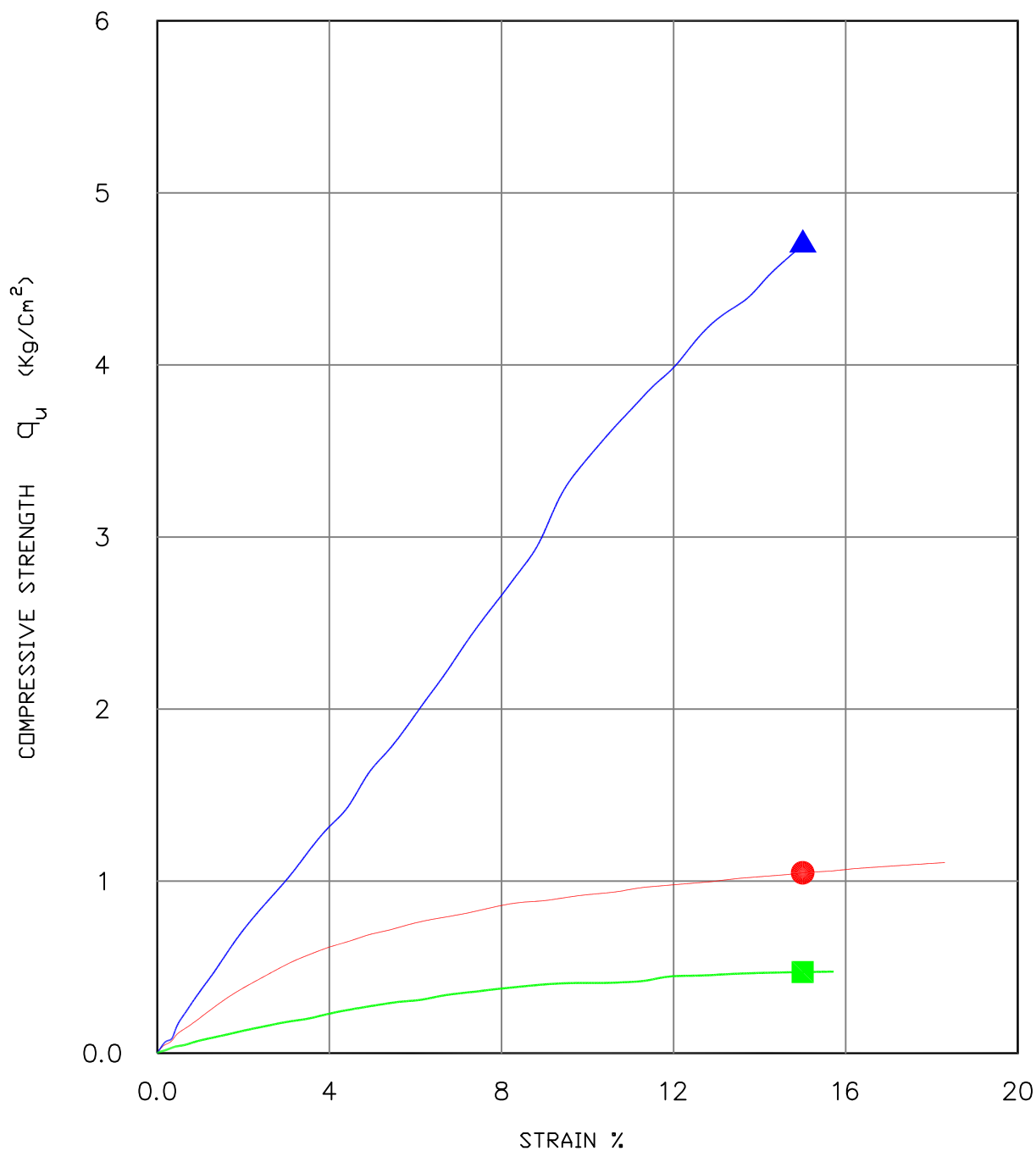


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
41

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-130	U01	4.00-4.50	<CL/ML>	Undisturbed	24	1.81	1.05
▲	BH-130	U02	6.00-6.50	<CL/ML>	Undisturbed	23	1.65	4.70
■	BH-130	U05	12.00-12.50	<CL/ML>	Undisturbed	26	1.54	0.47

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

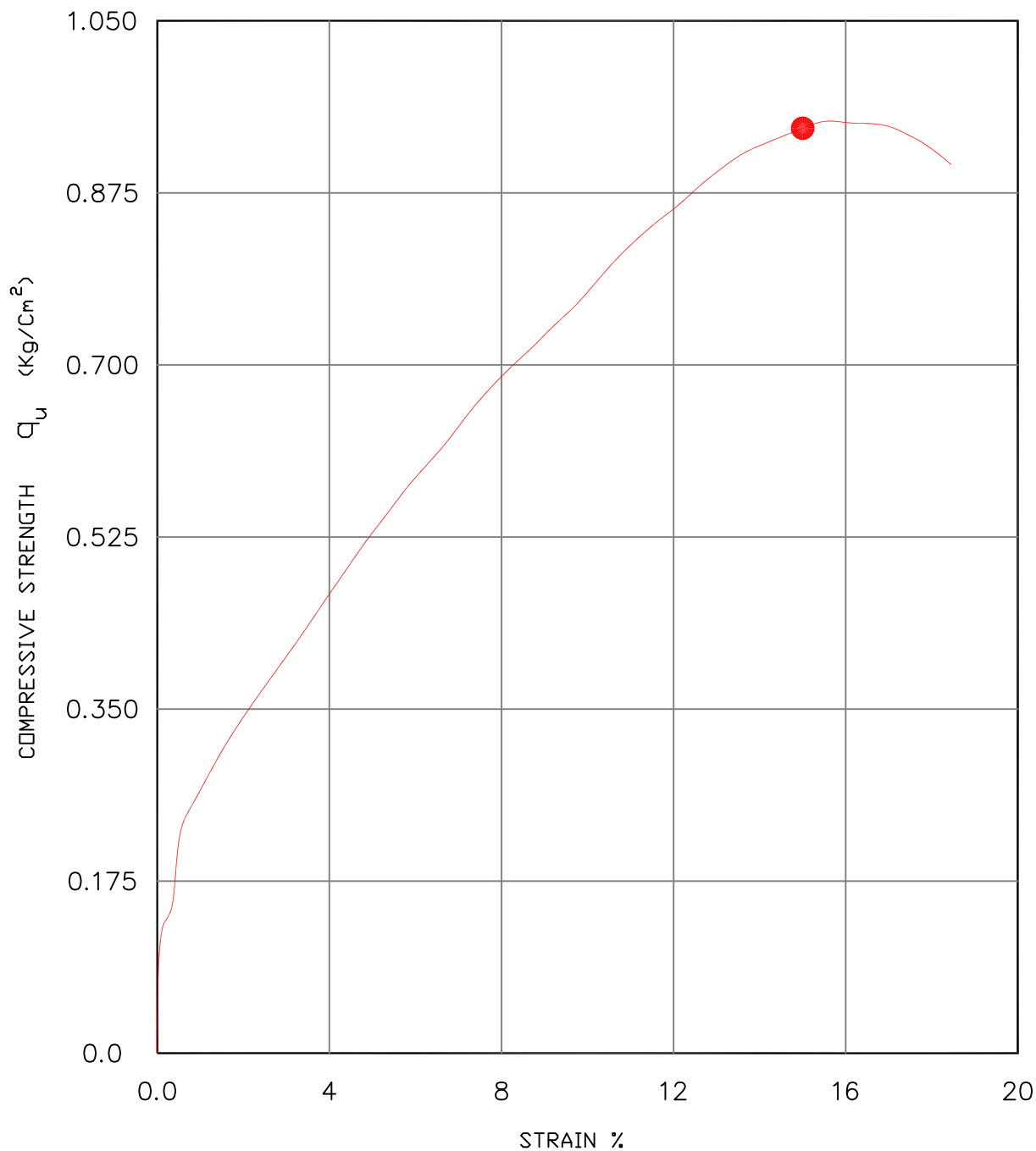


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
42

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-133	U07	17.00-17.50	<ML/CL>	Undisturbed	26	1.65	0.94
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

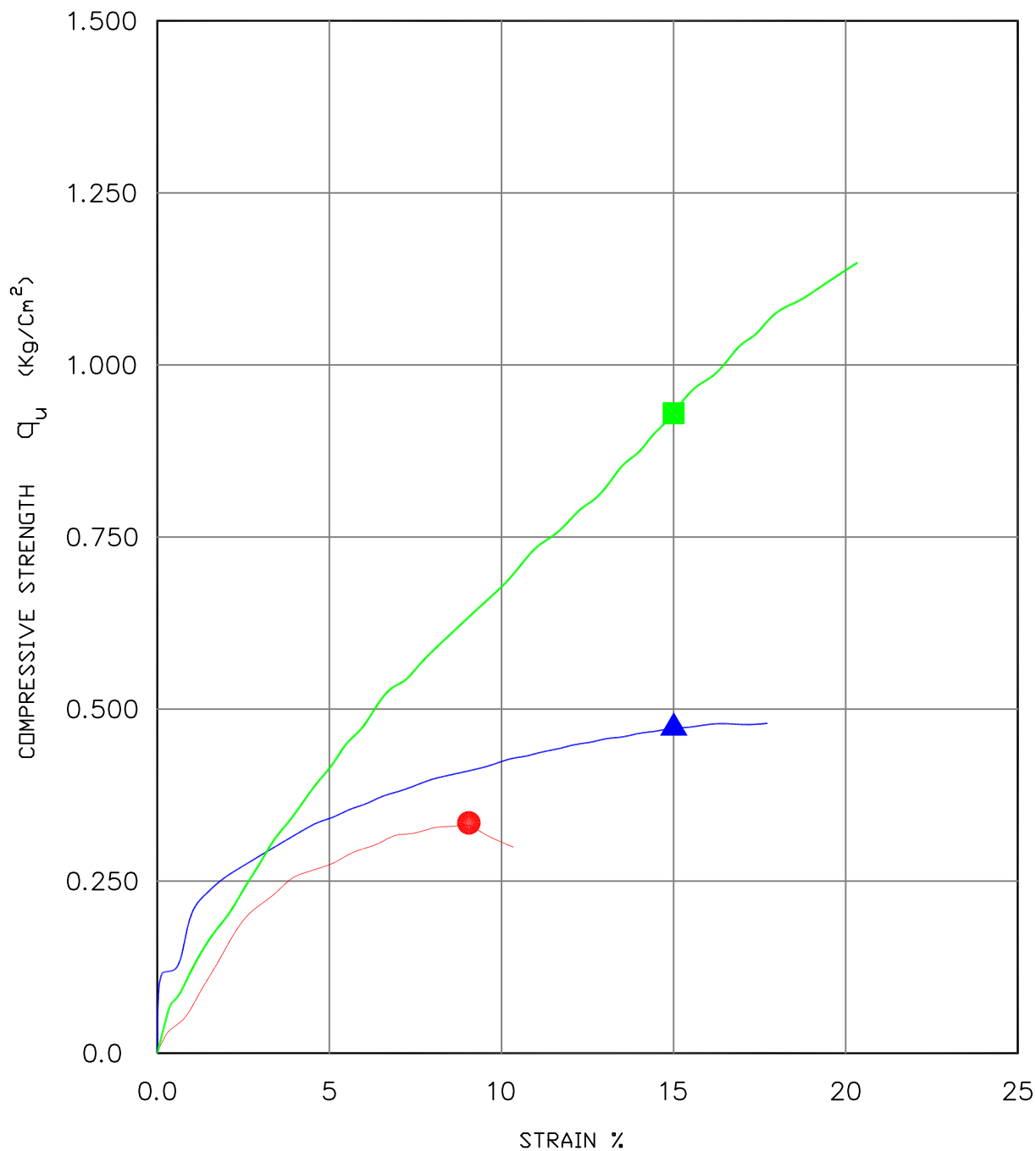


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
43

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-139	U03	12.00-12.50	<CL/ML>	Undisturbed	29	1.58	0.33
▲	BH-139	U05	16.00-16.50	<CL/ML>	Undisturbed	26	1.57	0.47
■	BH-139	U06	18.00-18.50	<CL>	Undisturbed	23	1.68	0.93

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

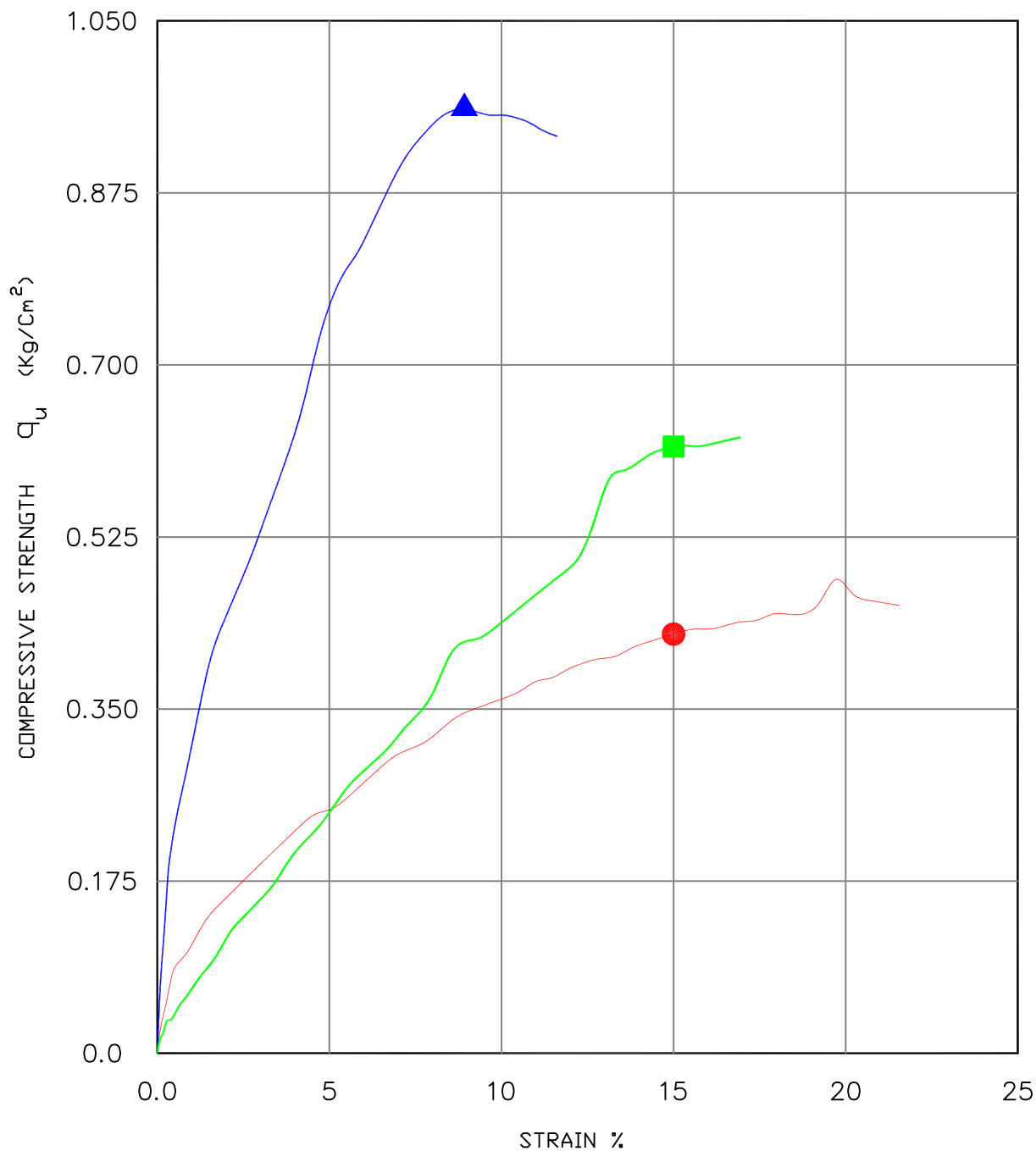


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
44

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-139	U07	20.00-20.50	<CL/ML>	Undisturbed	27	1.66	0.43
▲	BH-139	U14	34.00-34.50	CL	Undisturbed	25	1.64	0.96
■	BH-139	U21	48.00-48.50	<CL/ML>	Undisturbed	26	1.68	0.62

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

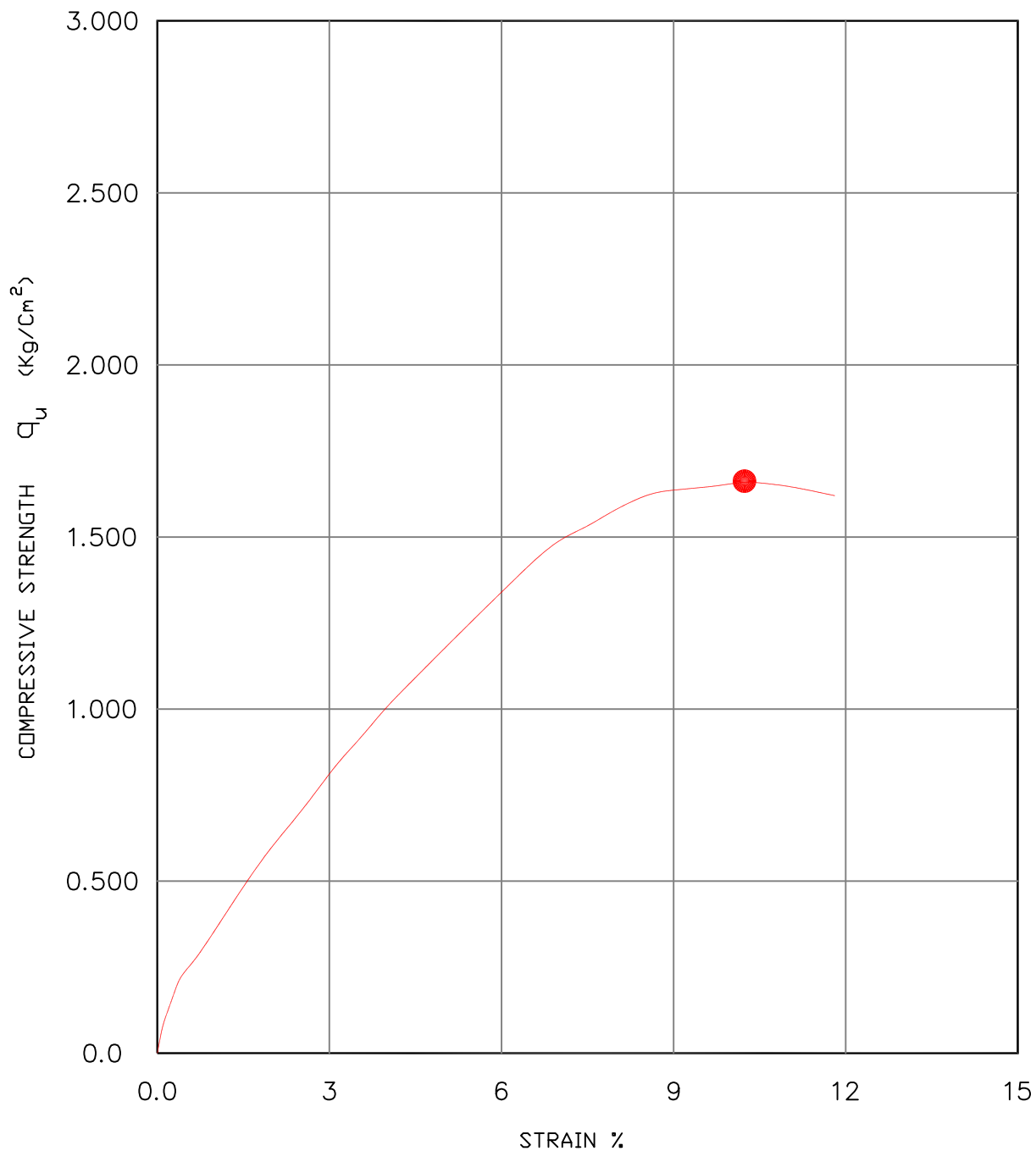


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
45

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-143	U03	11.50-12.00	CL	Undisturbed	25	1.67	1.66
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

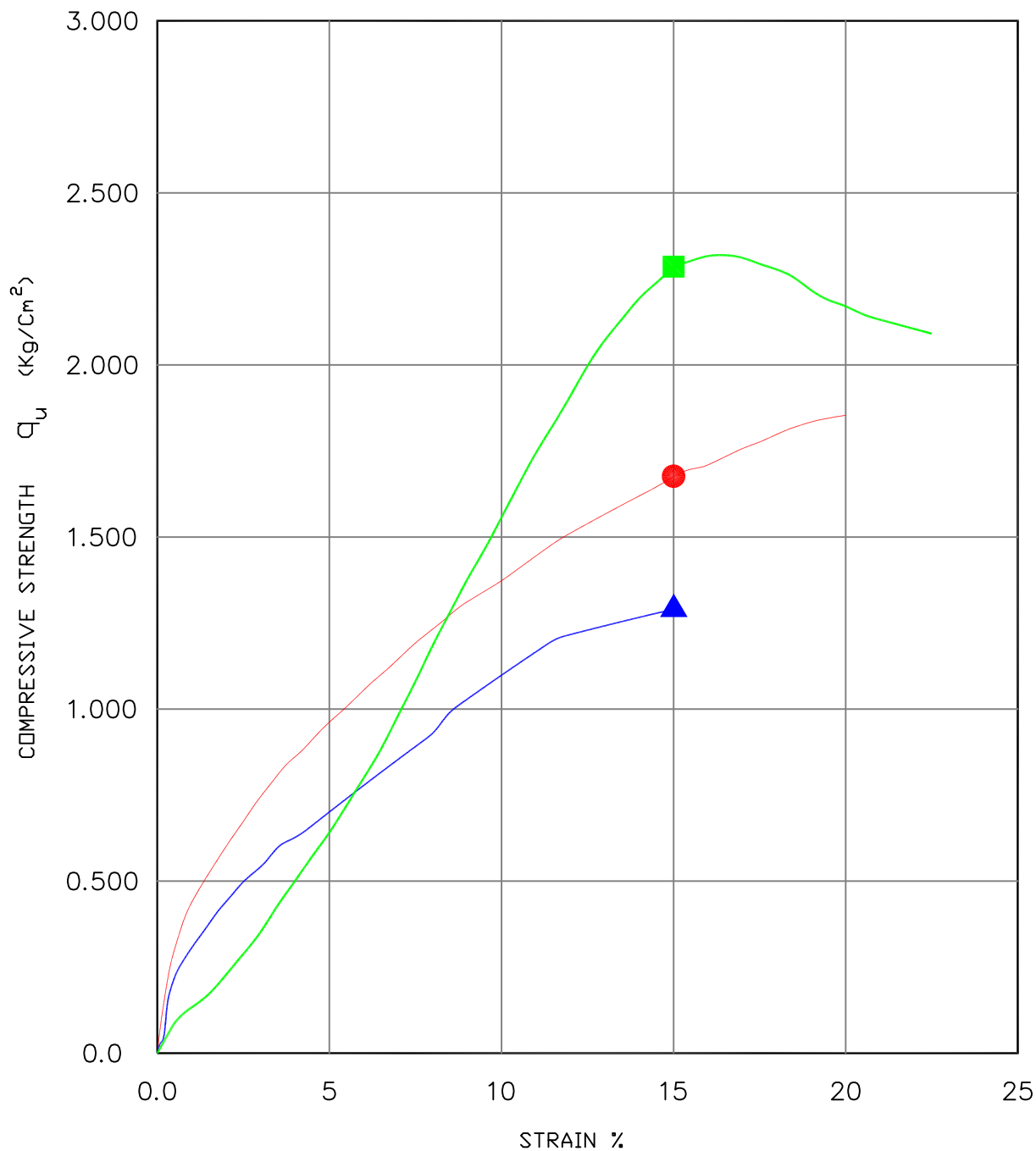


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
46

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-151	U01	9.50-10.00	<CL>	Undisturbed	25	1.81	1.68
▲	BH-151	U02	11.50-12.00	<CL-ML/CL>	Undisturbed	25	1.68	1.29
■	BH-151	U04	15.50-16.00	<CL>	Undisturbed	25	1.86	2.29

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

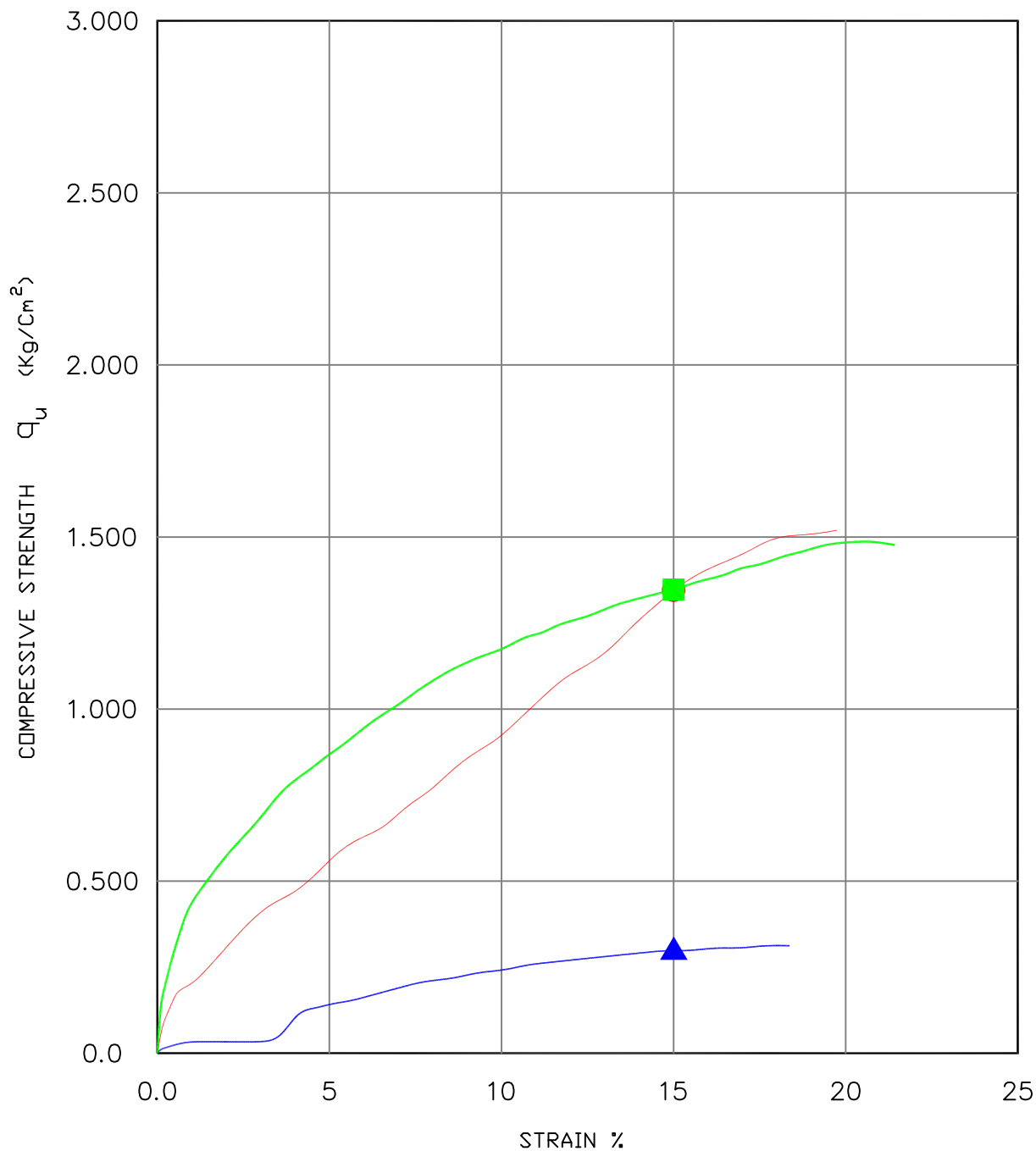


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
47

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-156	U02	6.00-6.50	<CL>	Undisturbed	25	1.47	1.35
▲	BH-156	U04	11.00-11.50	<CL/ML>	Undisturbed	29	1.58	0.29
■	BH-156	U05	13.50-14.00	CL	Undisturbed	20	1.79	1.35

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

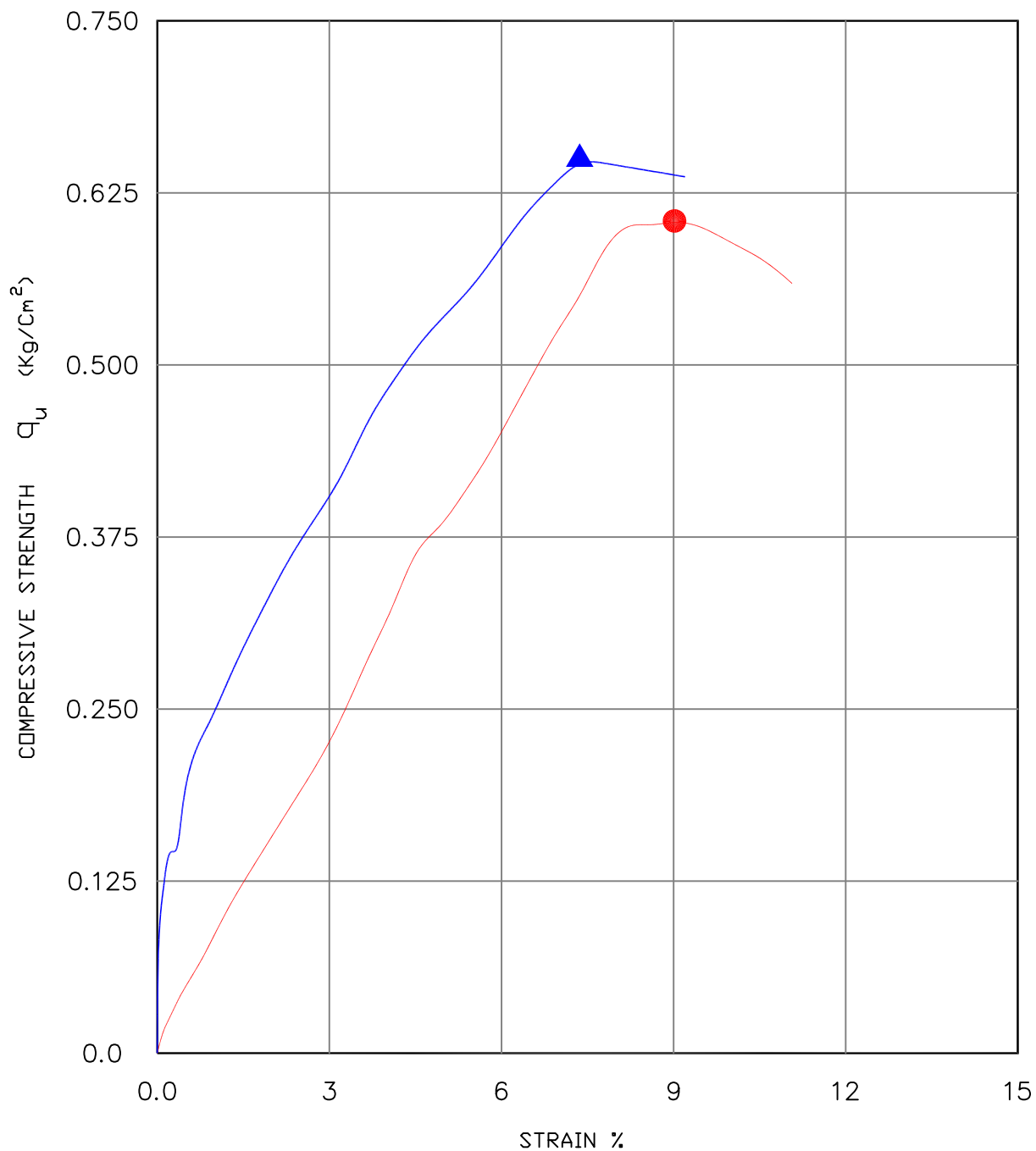


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
48

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-157	U03	10.00-10.50	<CL>	Undisturbed	25	1.68	0.60
▲	BH-157	U04	12.00-12.50	<CL/ML>	Undisturbed	26	1.66	0.65
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

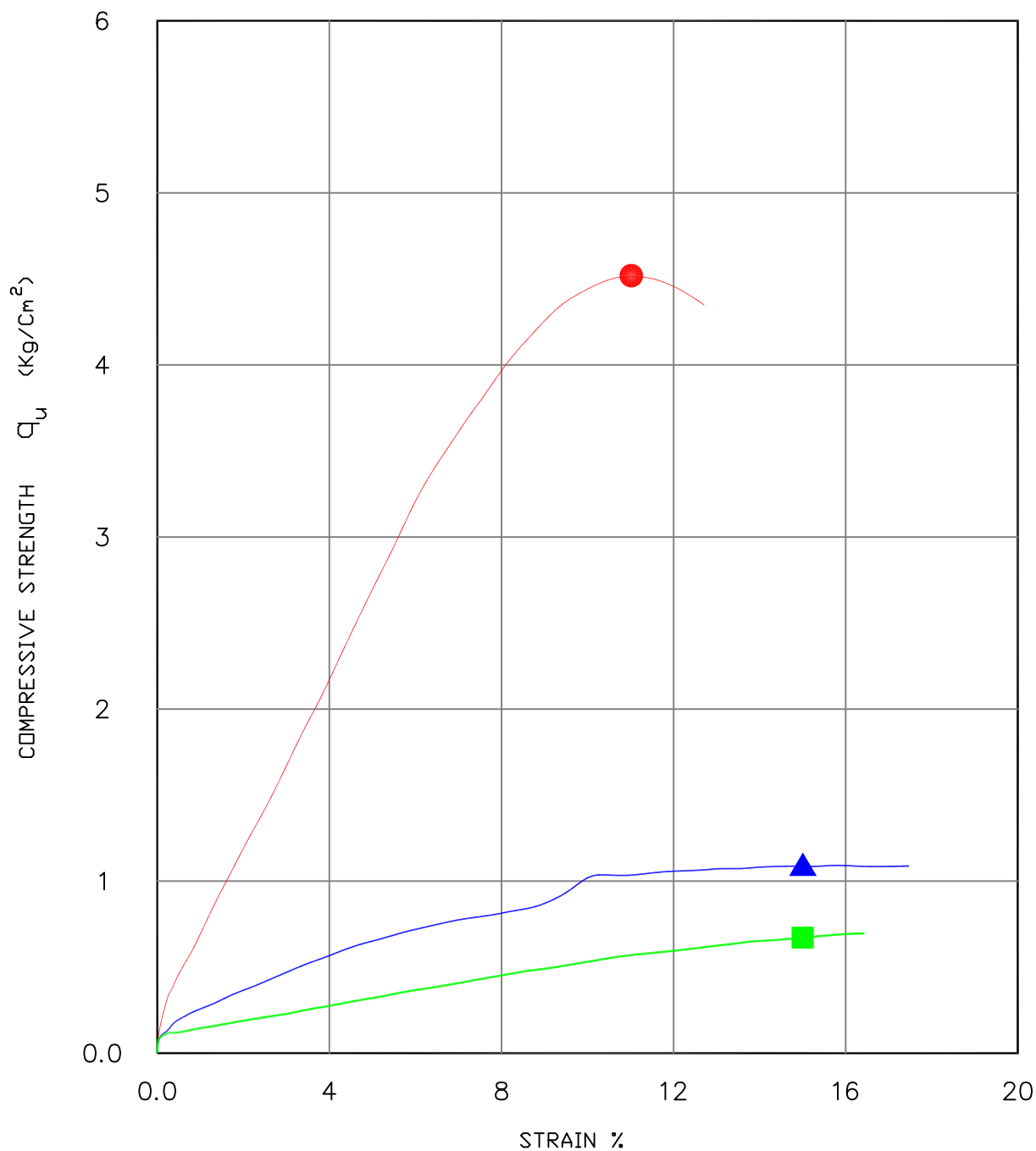


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
49

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-161	U03	13.00-13.40	<MH/CH>	Undisturbed	25	1.60	4.52
▲	BH-161	U05	18.00-18.20	<CL/ML>	Undisturbed	27	1.60	1.07
■	BH-161	U09	28.00-28.55	<CL>	Undisturbed	25	1.68	0.67

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

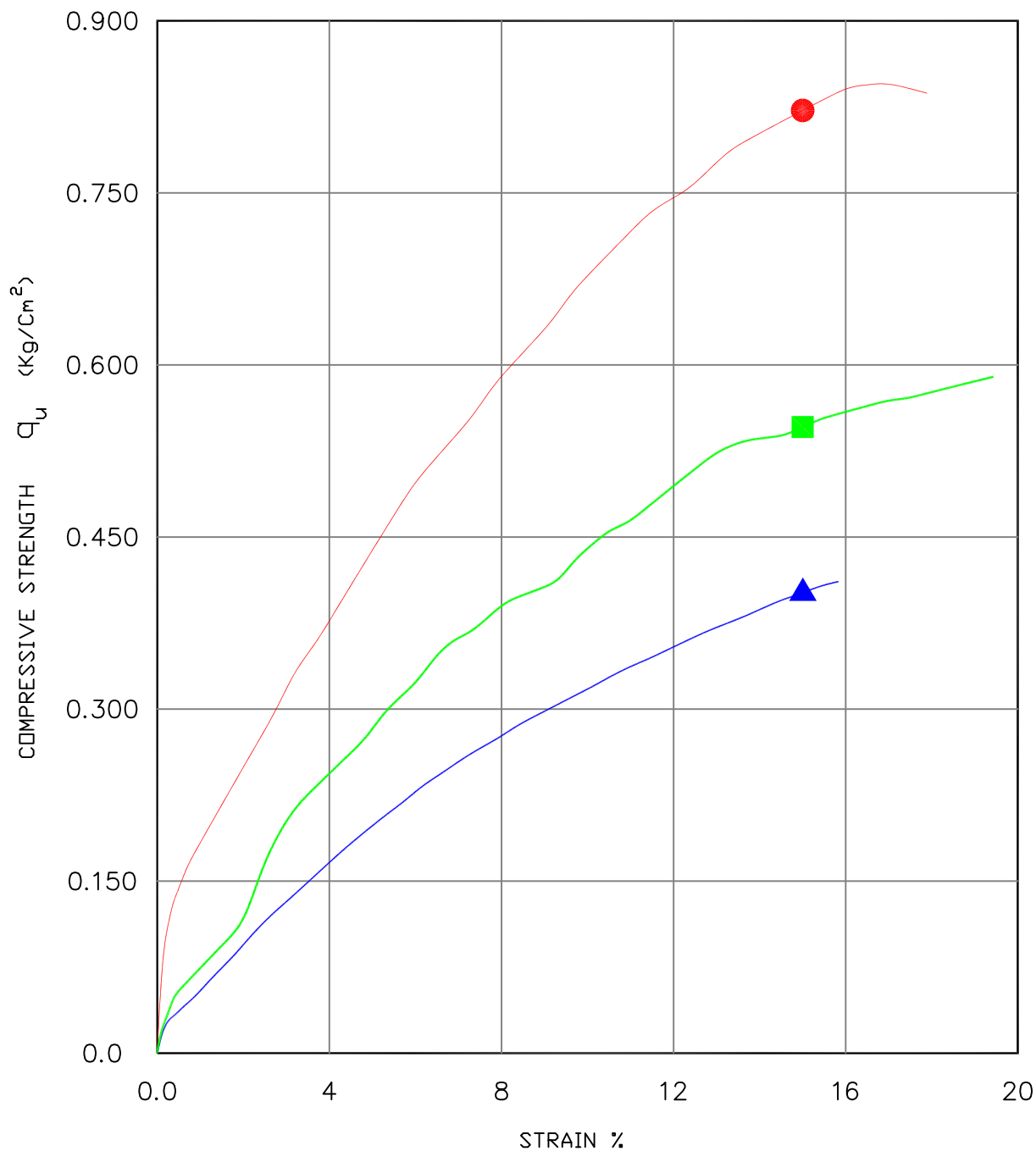


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
50

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-164	U01	5.50-6.00	<CL/ML>	Undisturbed	25	1.60	0.82
▲	BH-164	U02	7.50-8.00	<CL/ML>	Undisturbed	26	1.64	0.40
■	BH-164	U05	13.50-14.00	<ML/CL-ML/CL>	Undisturbed	26	1.67	0.55

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

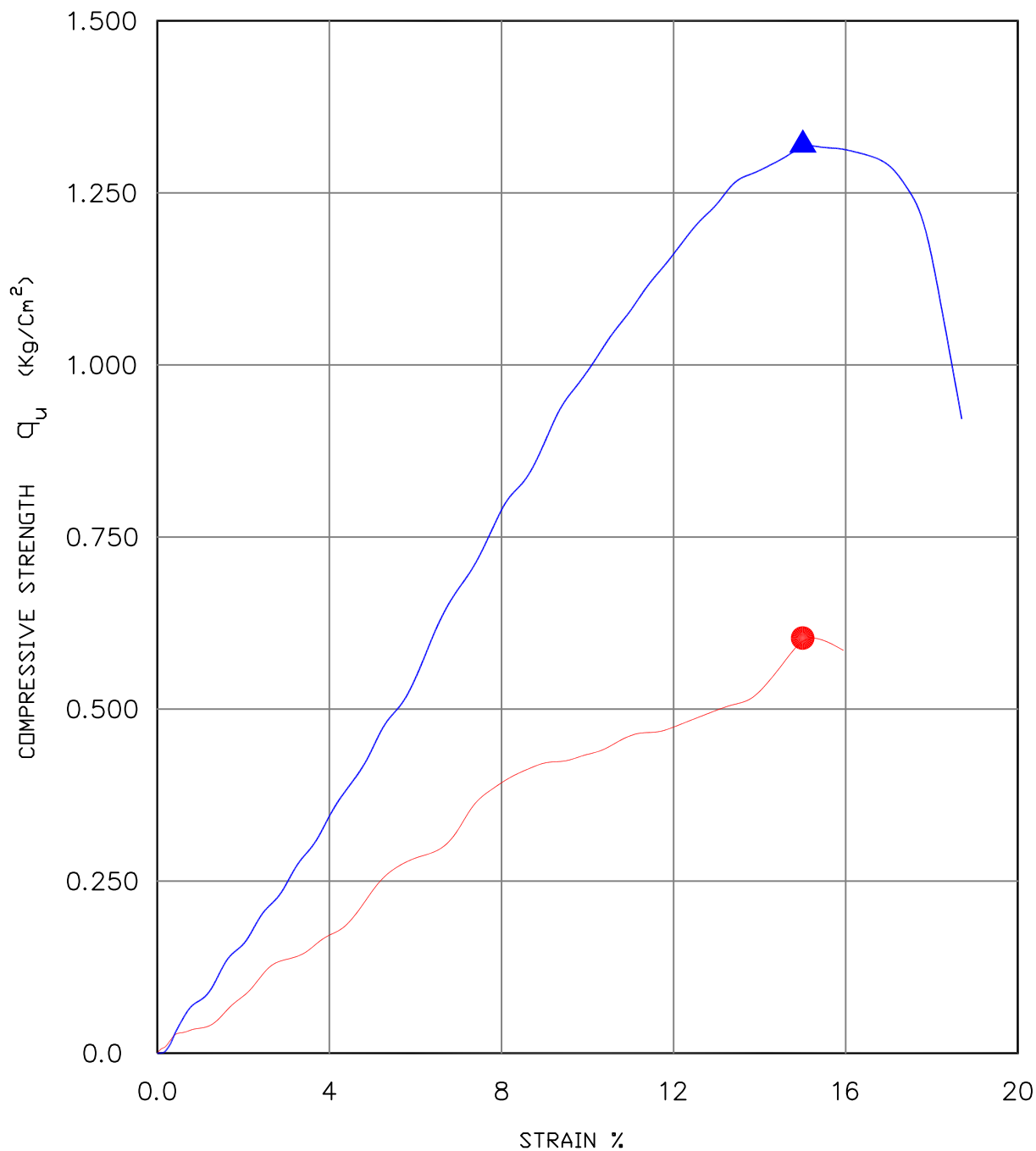


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
51

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-166	U02	9.00-9.50	<CL>	Undisturbed	26	1.63	0.60
▲	BH-166	U05	15.00-15.50	CL	Undisturbed	24	1.66	1.32
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

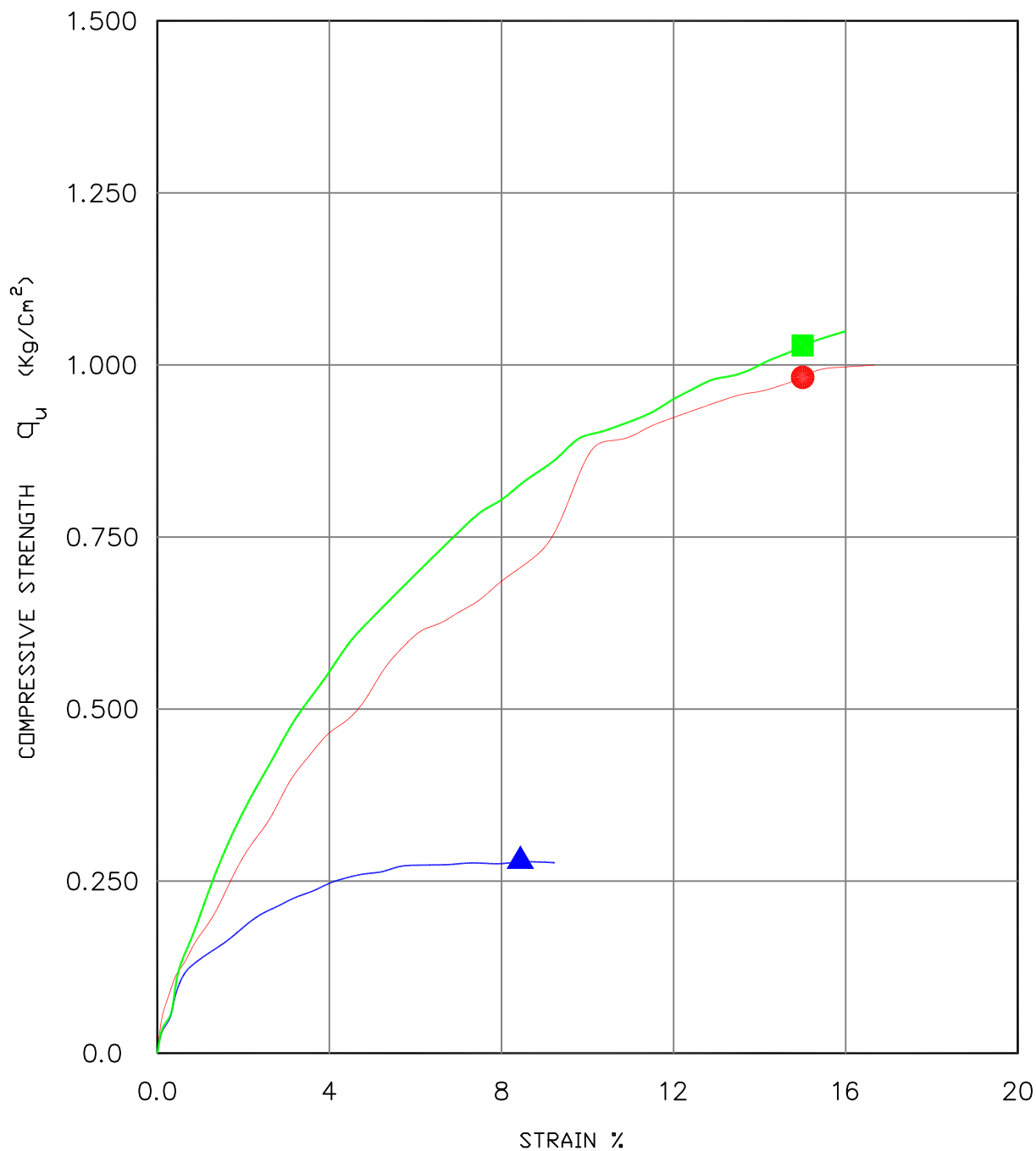


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
52

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-169	U01	5.50-6.00	<CL/ML>	Undisturbed	27	1.63	0.98
▲	BH-169	U03	9.50-10.00	<CL/ML>	Undisturbed	28	1.58	0.28
■	BH-169	U06	15.50-16.00	<CL/ML>	Undisturbed	26	1.65	1.03

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

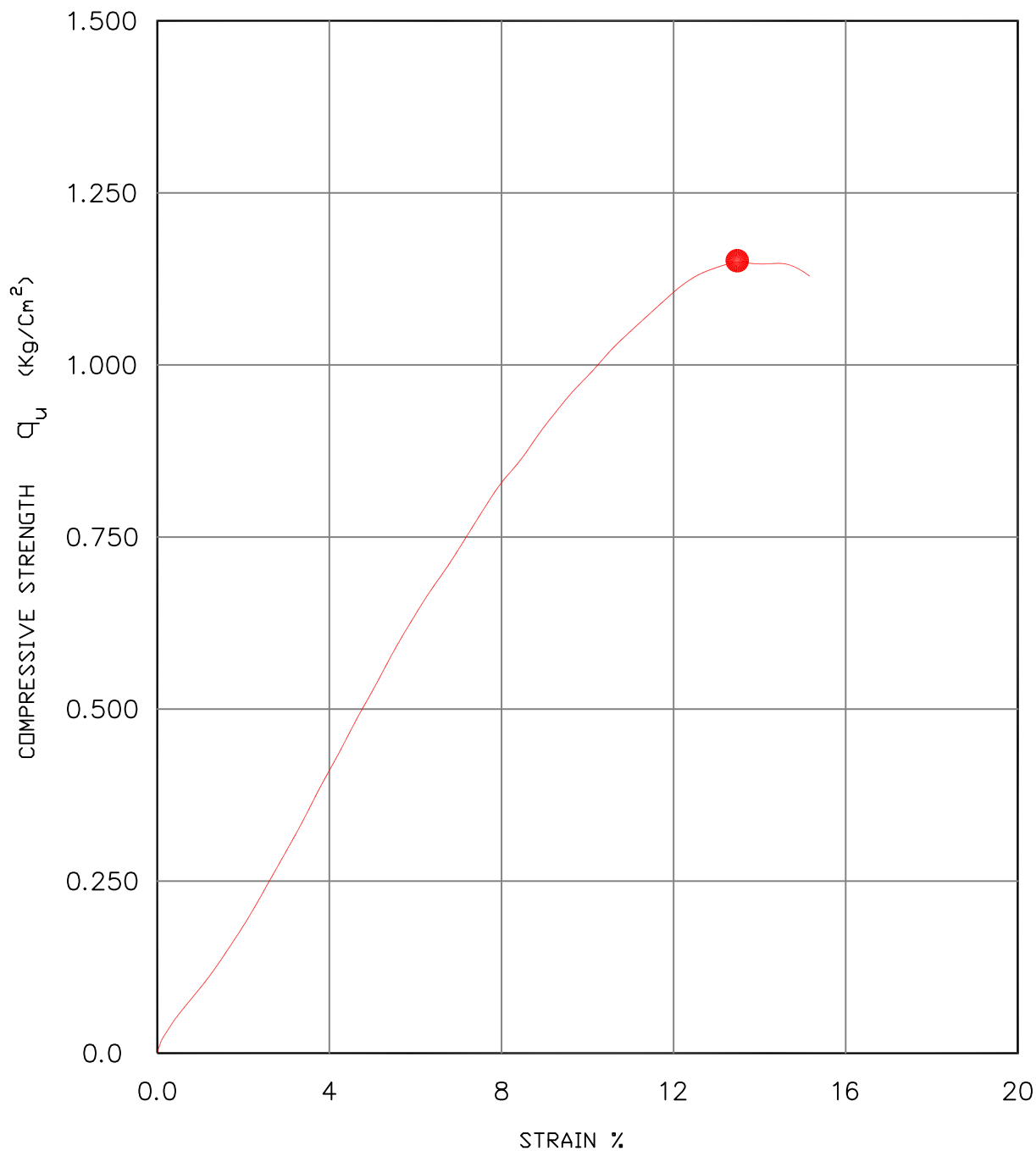


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
53

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-169	U08	19.50-20.00	<CL/ML>	Undisturbed	25	1.68	1.15
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

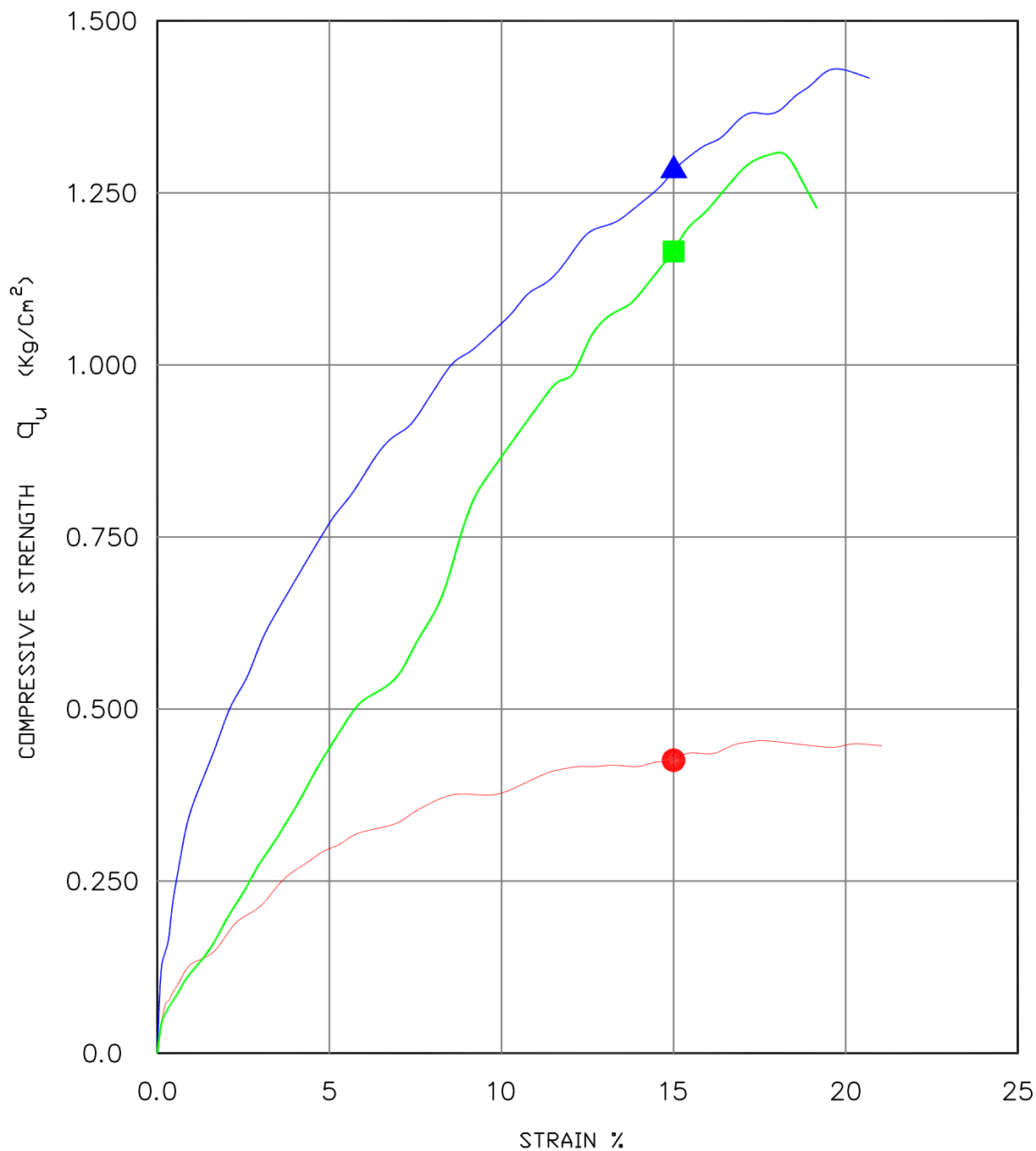


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
54

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-173	U01	6.00-6.50		Undisturbed	27	1.60	0.43
▲	BH-173	U12	28.00-28.40	<CL>	Undisturbed	24	1.64	1.28
■	BH-173	U14	32.00-32.50	CL	Undisturbed	22	1.74	1.16

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

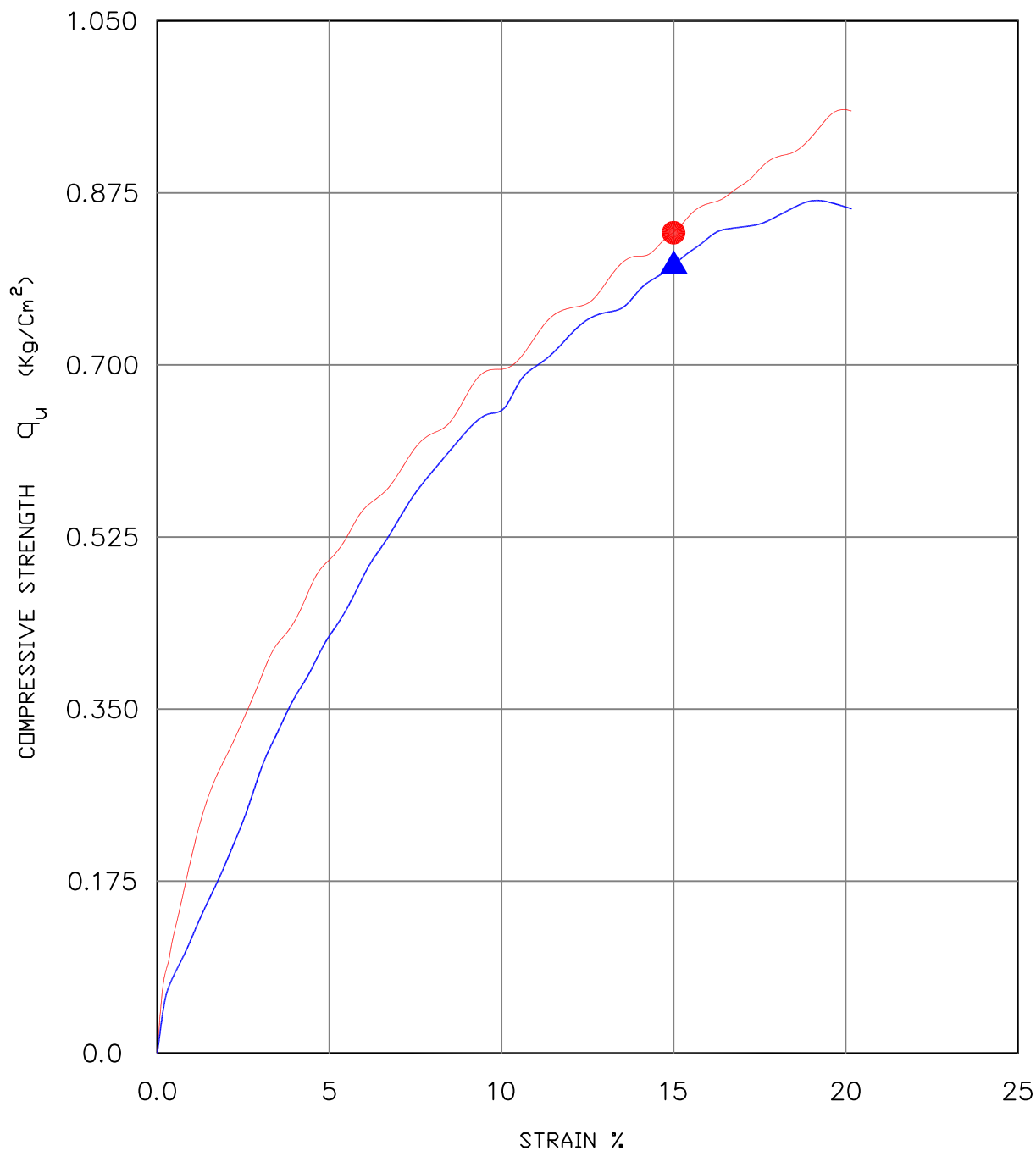


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
55

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-175	U05	16.00-16.50	CL	Undisturbed	26	1.56	0.83
▲	BH-175	U07	20.00-20.50	<CL>	Undisturbed	25	1.66	0.80
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

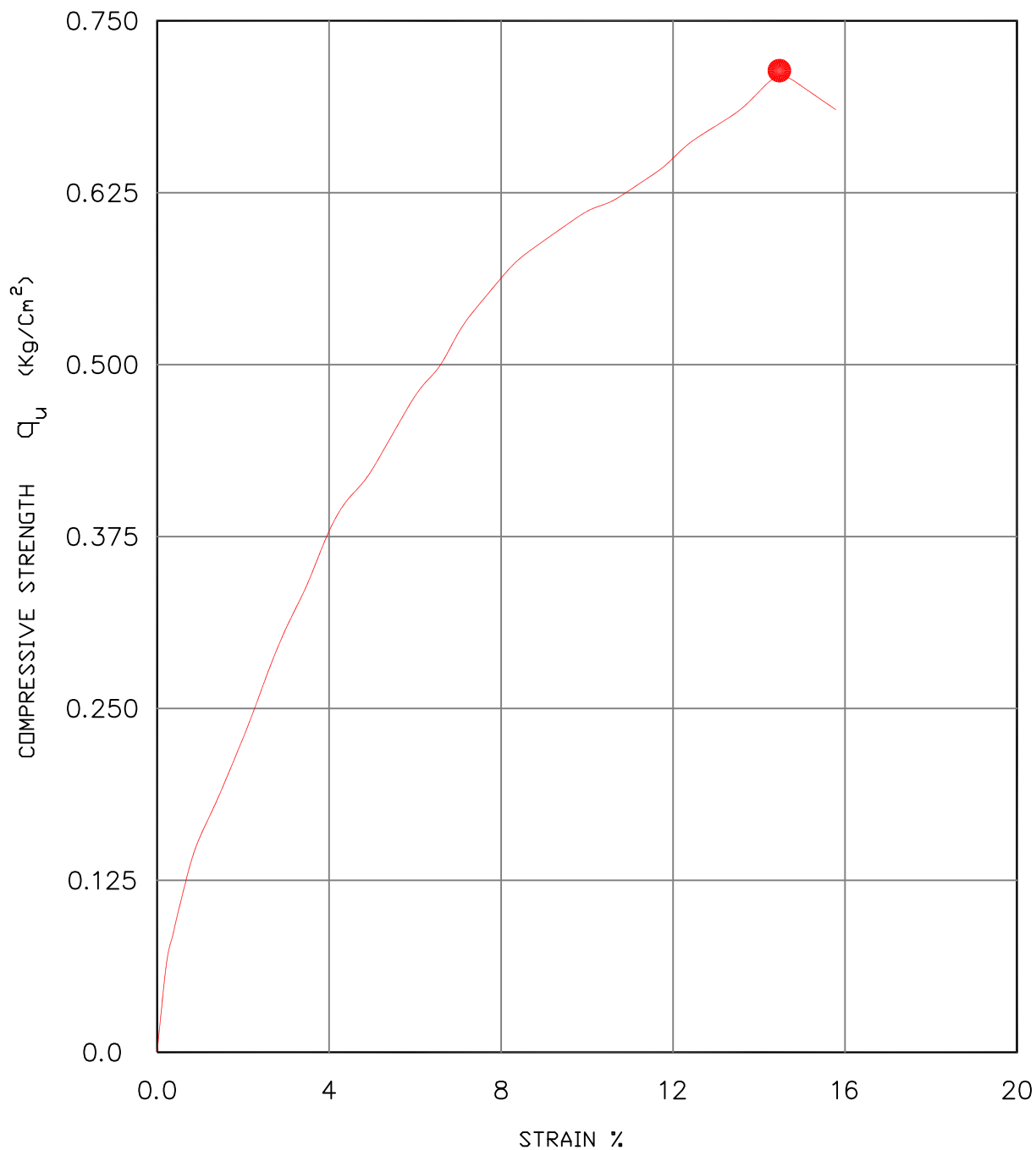


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
56

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	Qu (Kg/Cm²)
●	BH-184	U04	11.50-12.00	<CL>	Undisturbed	27	1.56	0.71
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

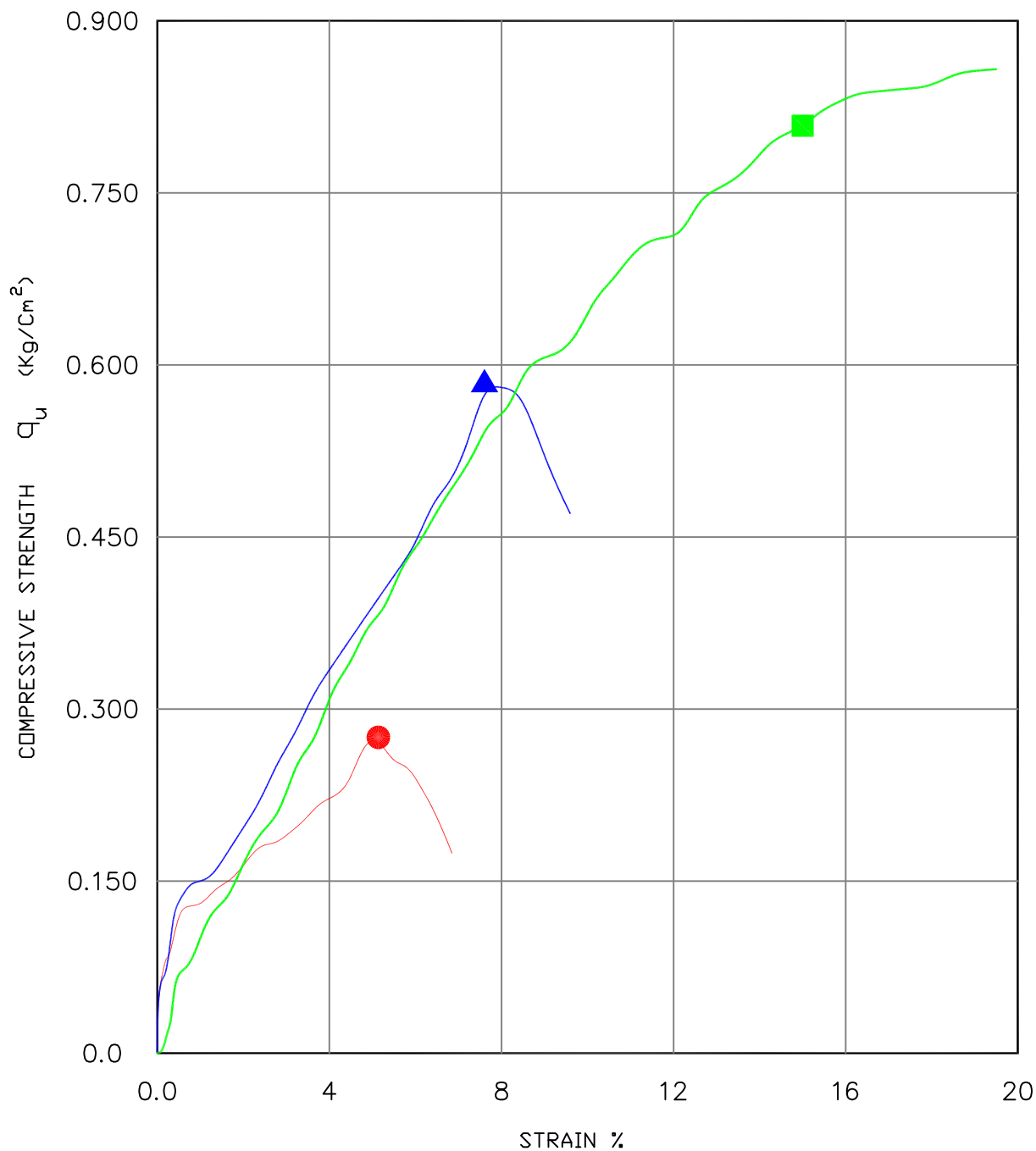


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
57

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-185	U02	5.50-6.00	<CL/ML>	Undisturbed	25	1.64	0.28
▲	BH-185	U03	7.50-8.00	<ML/CL>	Undisturbed	25	1.67	0.58
■	BH-185	U04	9.50-10.00	CL	Undisturbed	23	1.52	0.81

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

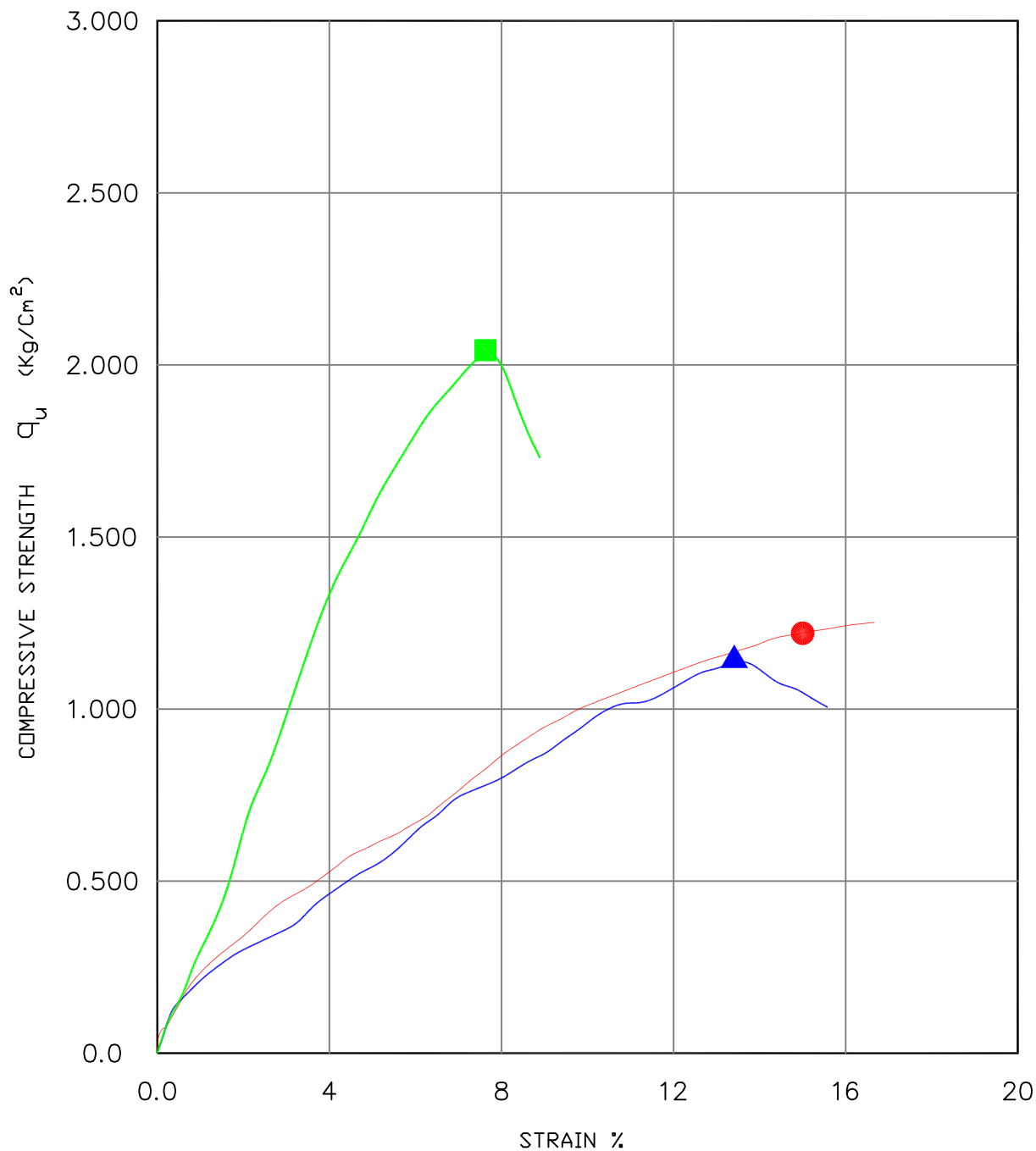


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
58

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-185	U10	21.50-22.00	<CL/ML>	Undisturbed	25	1.53	1.22
▲	BH-185	U12	25.50-26.00	<CL/ML>	Undisturbed	25	1.68	1.14
■	BH-185	U14	29.50-30.00	<CL/ML>	Undisturbed	21	1.70	2.04

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

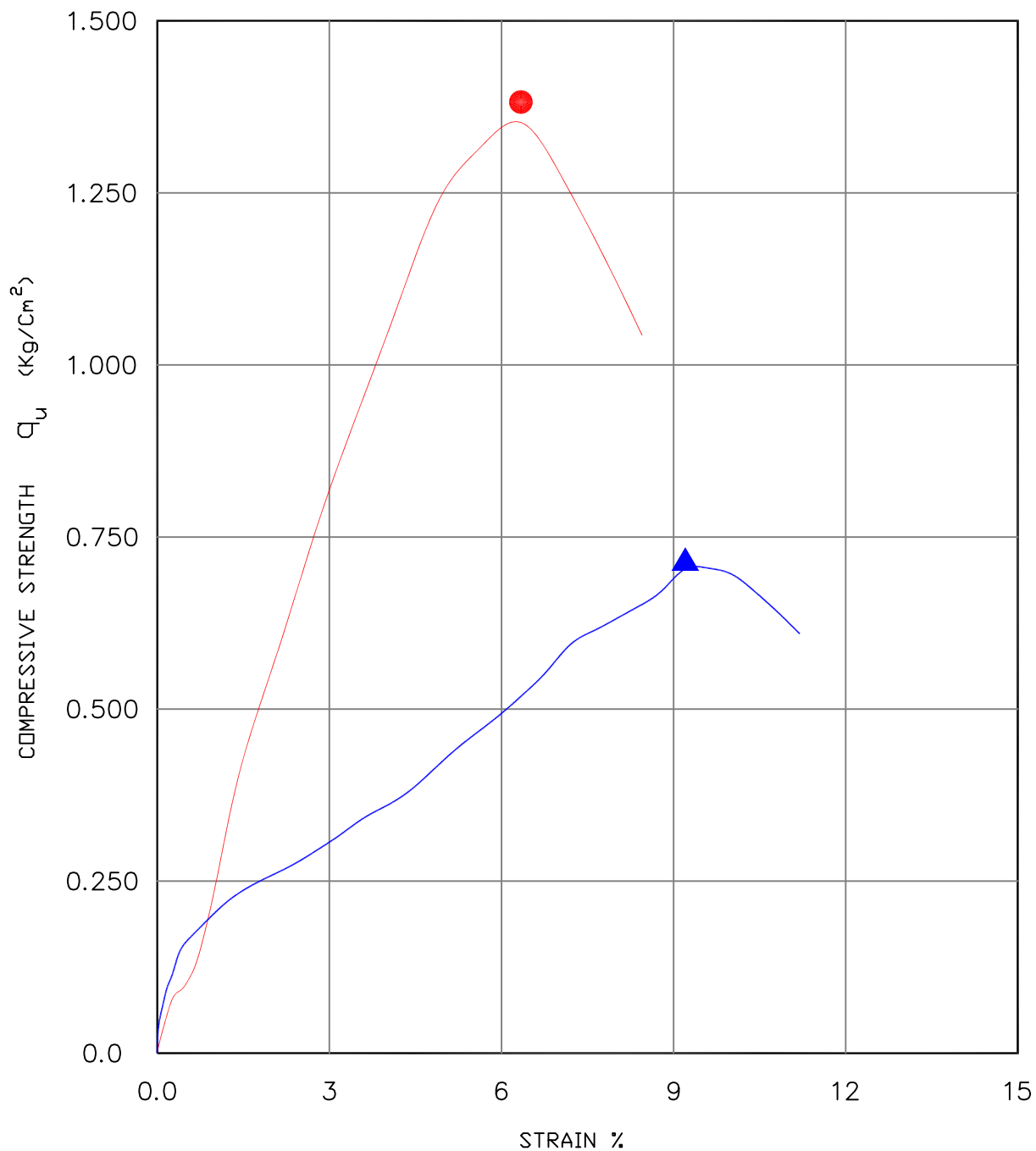


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
59

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-185	U15	31.50-32.00	<CL/ML>	Undisturbed	25	1.70	1.38
▲	BH-185	U16	33.50-34.00	<CL/ML>	Undisturbed	25	1.58	0.71
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

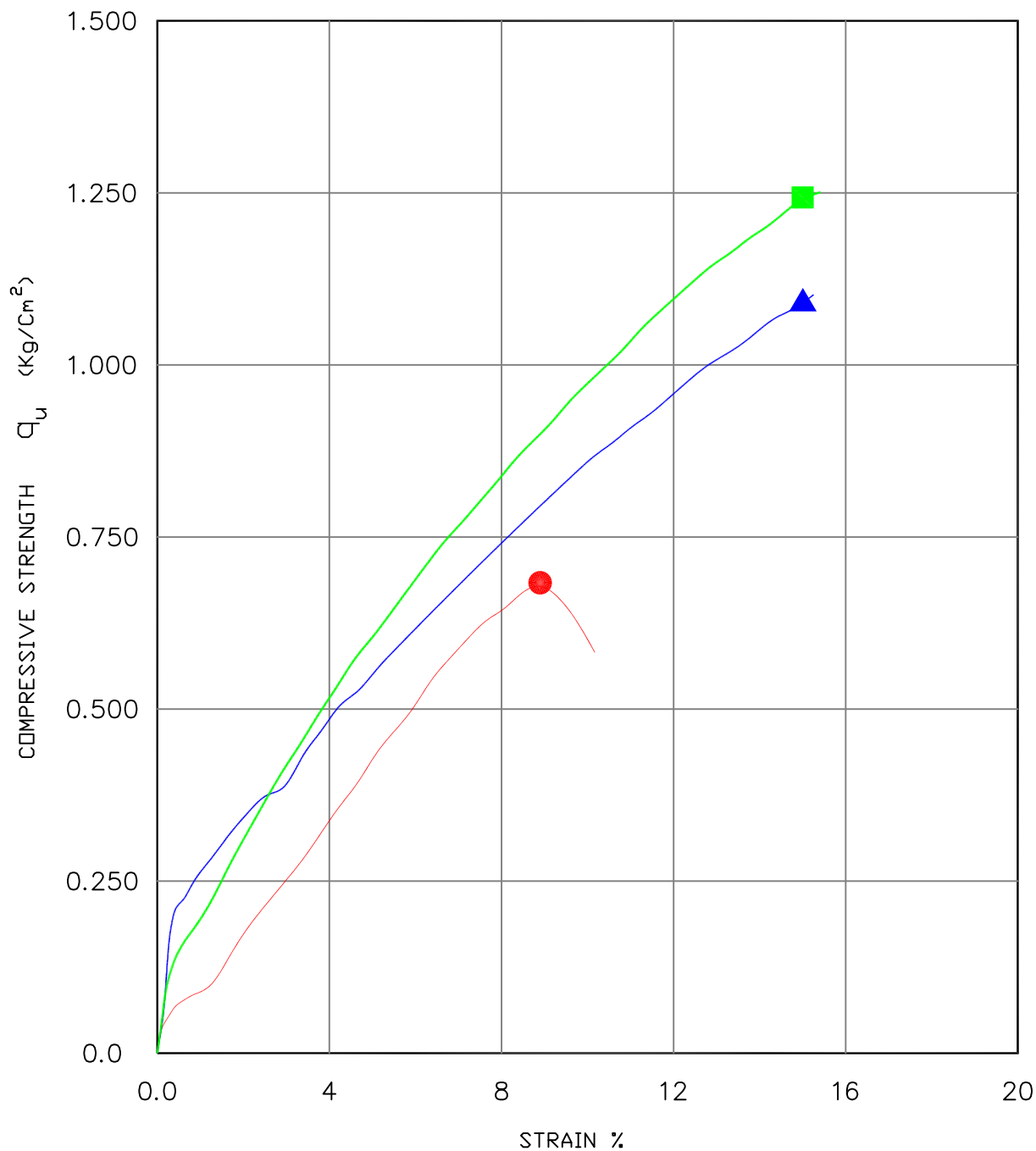


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
60

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-186	U03	9.50-10.00	<CL/ML>	Undisturbed	28	1.74	0.68
▲	BH-186	U07	17.80-18.00	<CL/ML>	Undisturbed	28	1.55	1.09
■	BH-186	U08	19.50-20.00	<CL>	Undisturbed	26	1.64	1.24

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

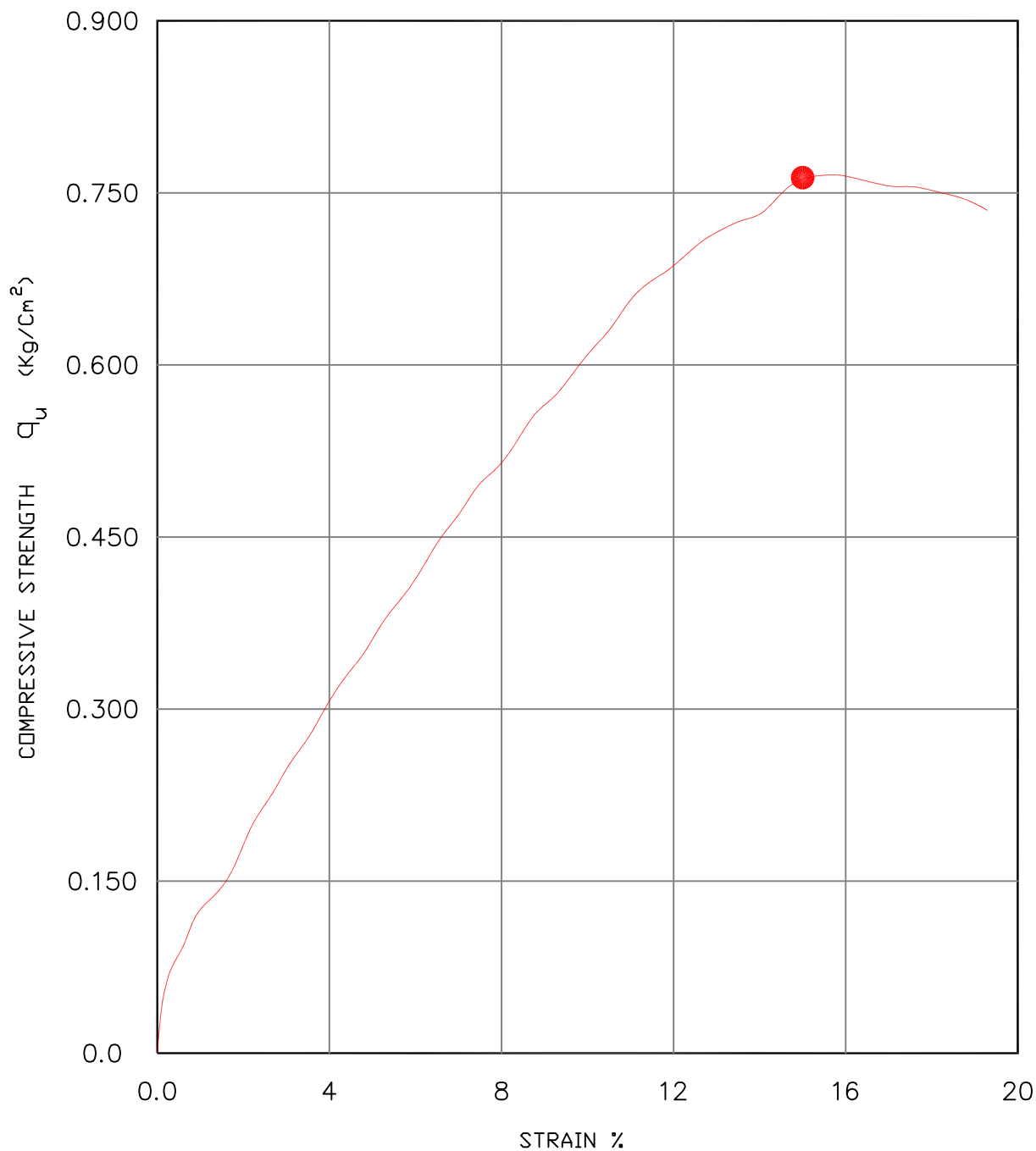


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
61

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-198	U03	9.50-10.00	CL	Undisturbed	23	1.63	0.76
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

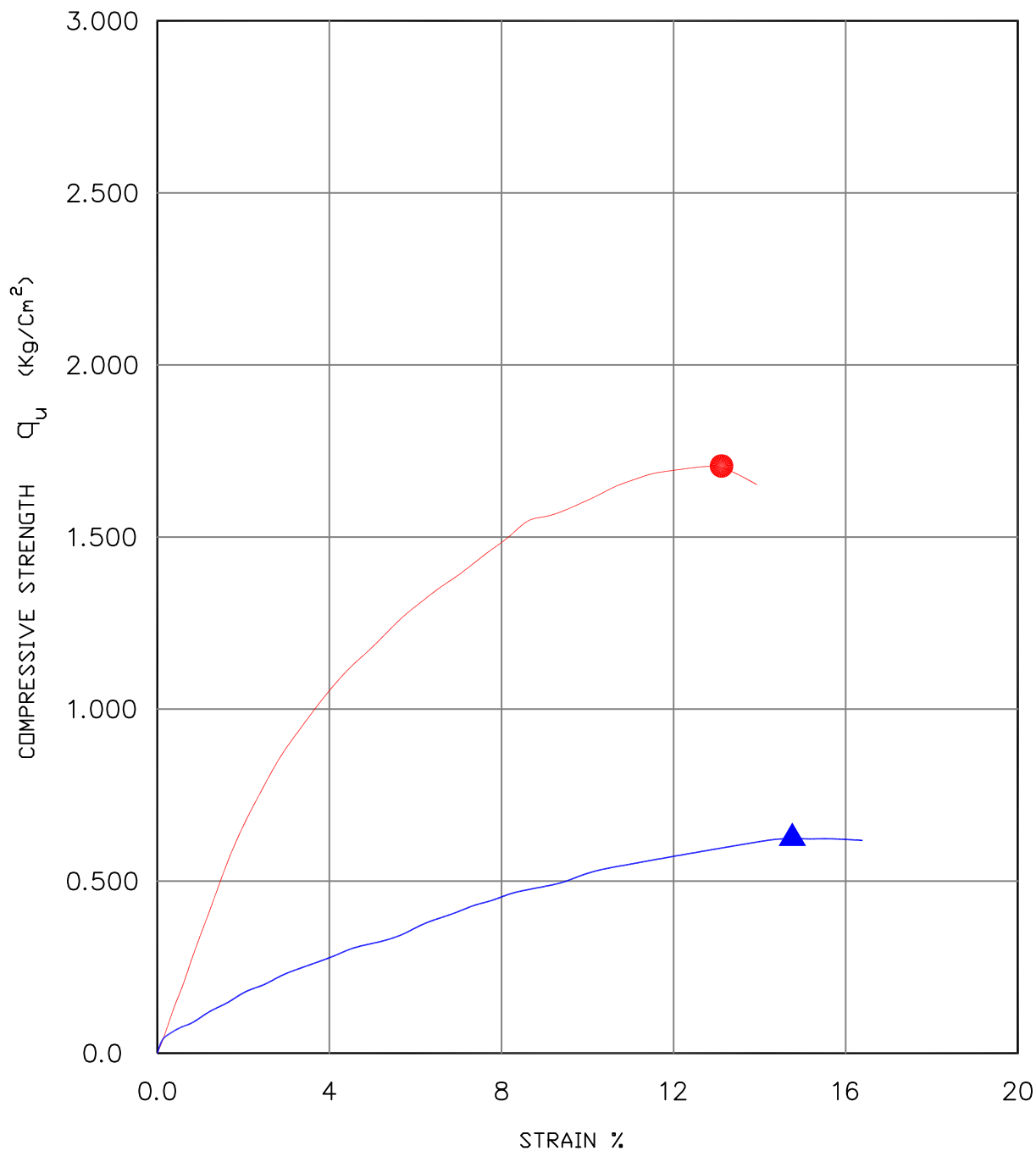


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
62

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-199	U04	13.00-13.50	CL	Undisturbed	23	1.67	1.71
▲	BH-199	U07	19.50-20.00	CL	Undisturbed	25	1.59	0.62
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

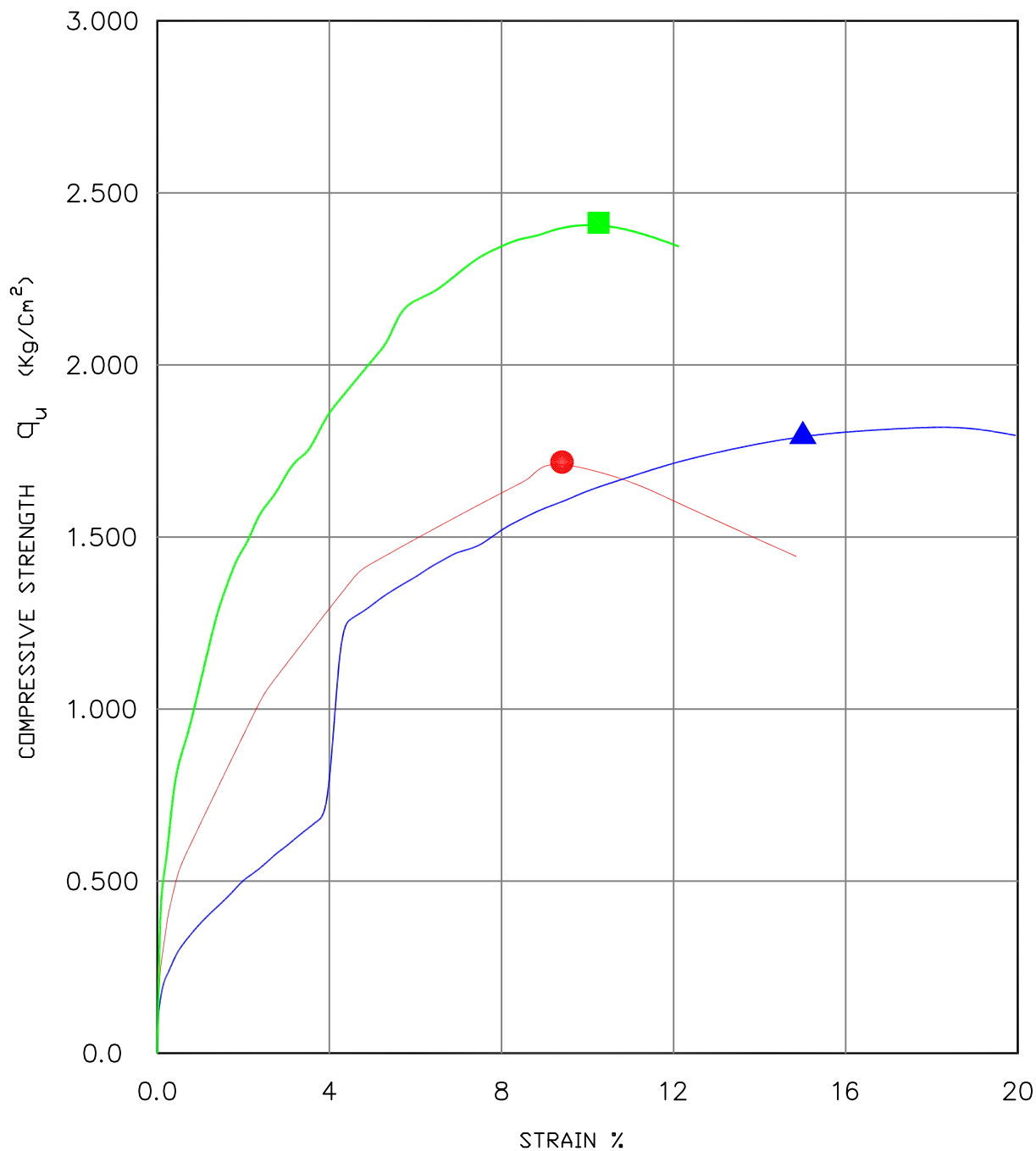


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
63

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-202	CB01	28.00-28.50	<CL/ML>	Undisturbed	25	1.61	1.72
▲	BH-202	CB04	34.00-34.50	<CL/ML>	Undisturbed	26	1.60	1.79
■	BH-202	CB06	38.00-38.50	<CL/ML>	Undisturbed	22	1.61	2.41

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

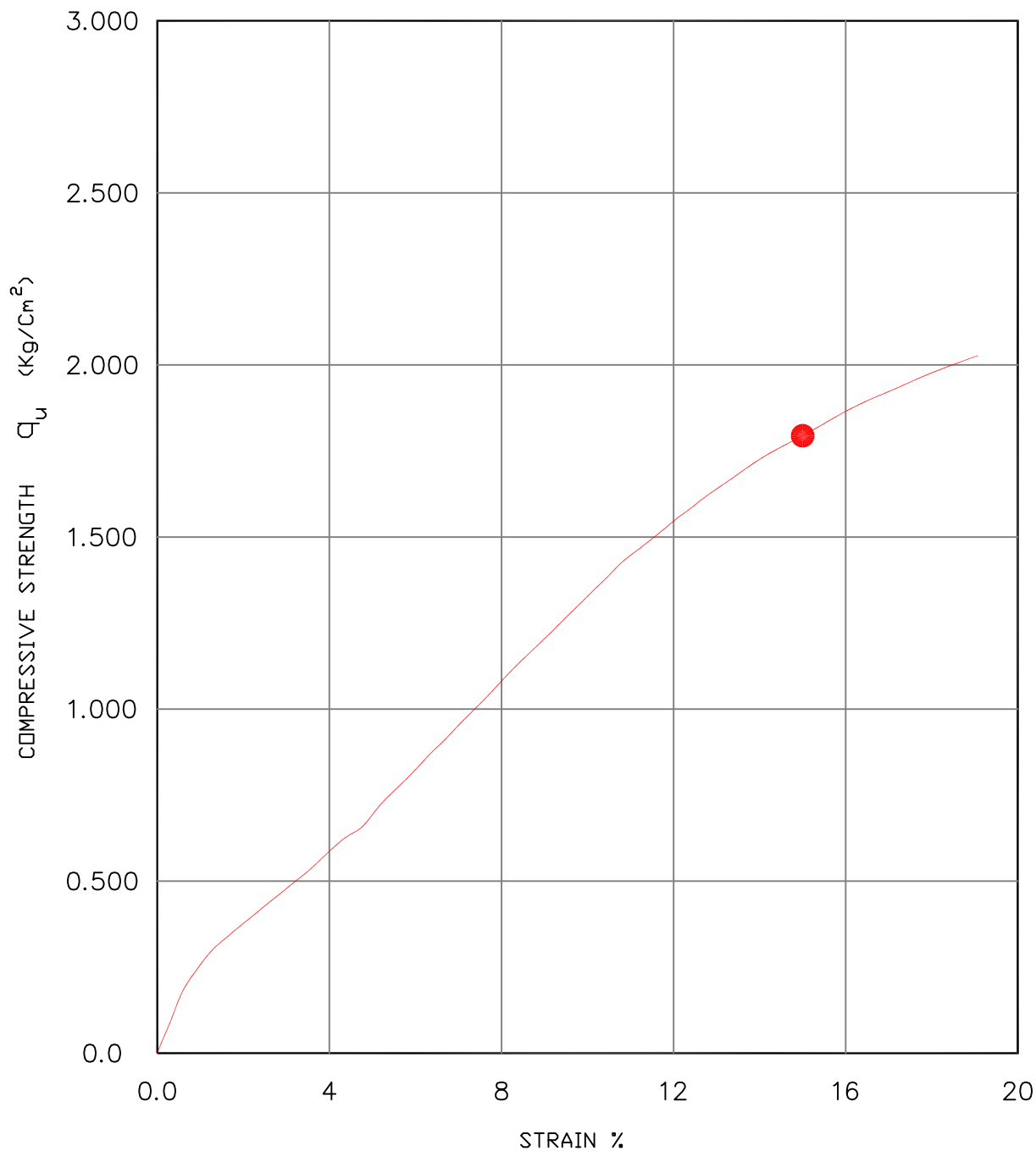


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
64

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-202	CB07	40.00-40.50	<ML/CL>	Undisturbed	25	1.74	1.79
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

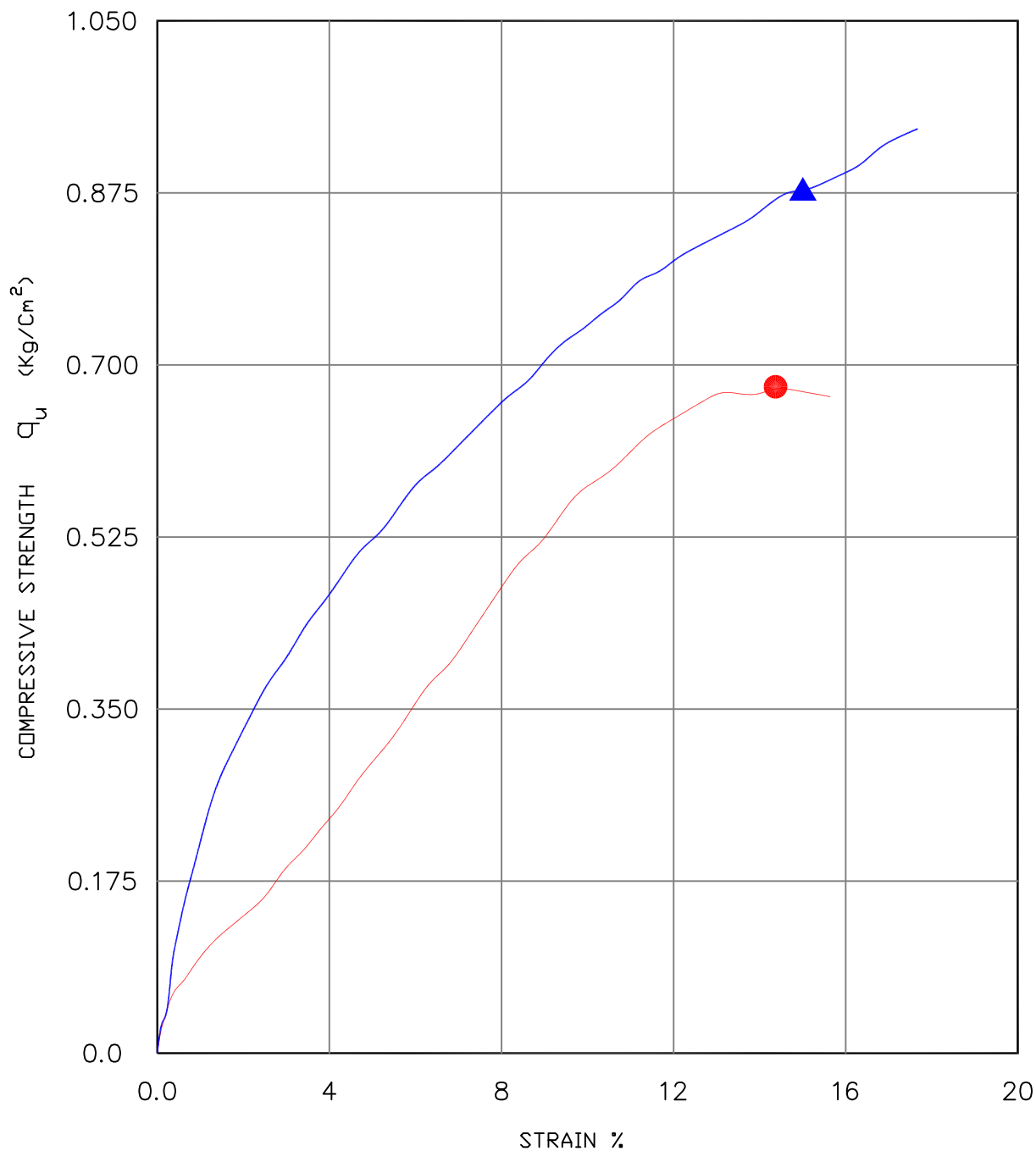


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
65

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-216	U03	12.00-12.45	<CL/ML>	Undisturbed	26	1.67	0.68
▲	BH-216	U07	22.00-22.50	<CL/ML>	Undisturbed	22	1.66	0.88
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

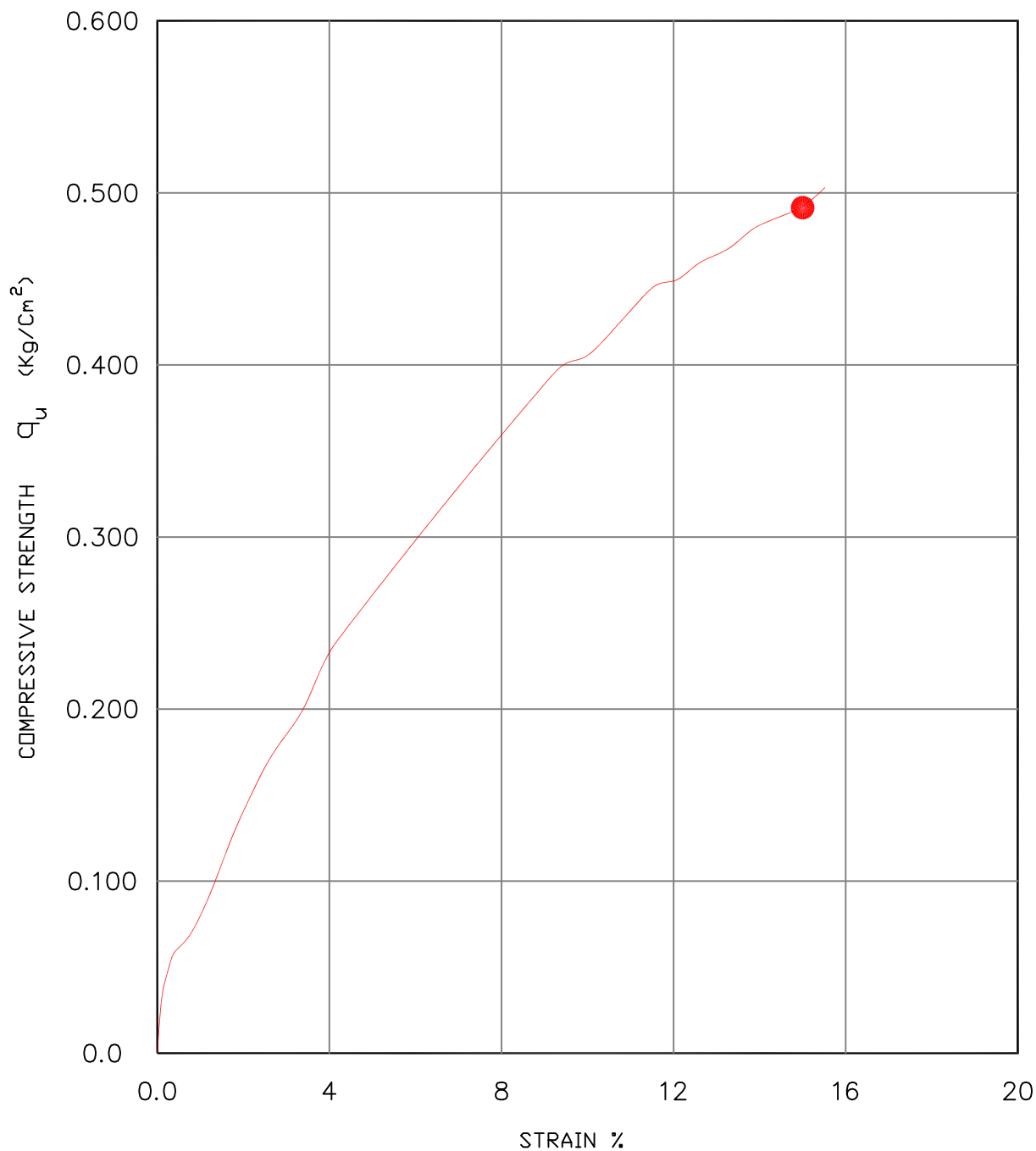


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
66

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-220	U03	14.50-15.00	<CL>	Undisturbed	26	1.62	0.49
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

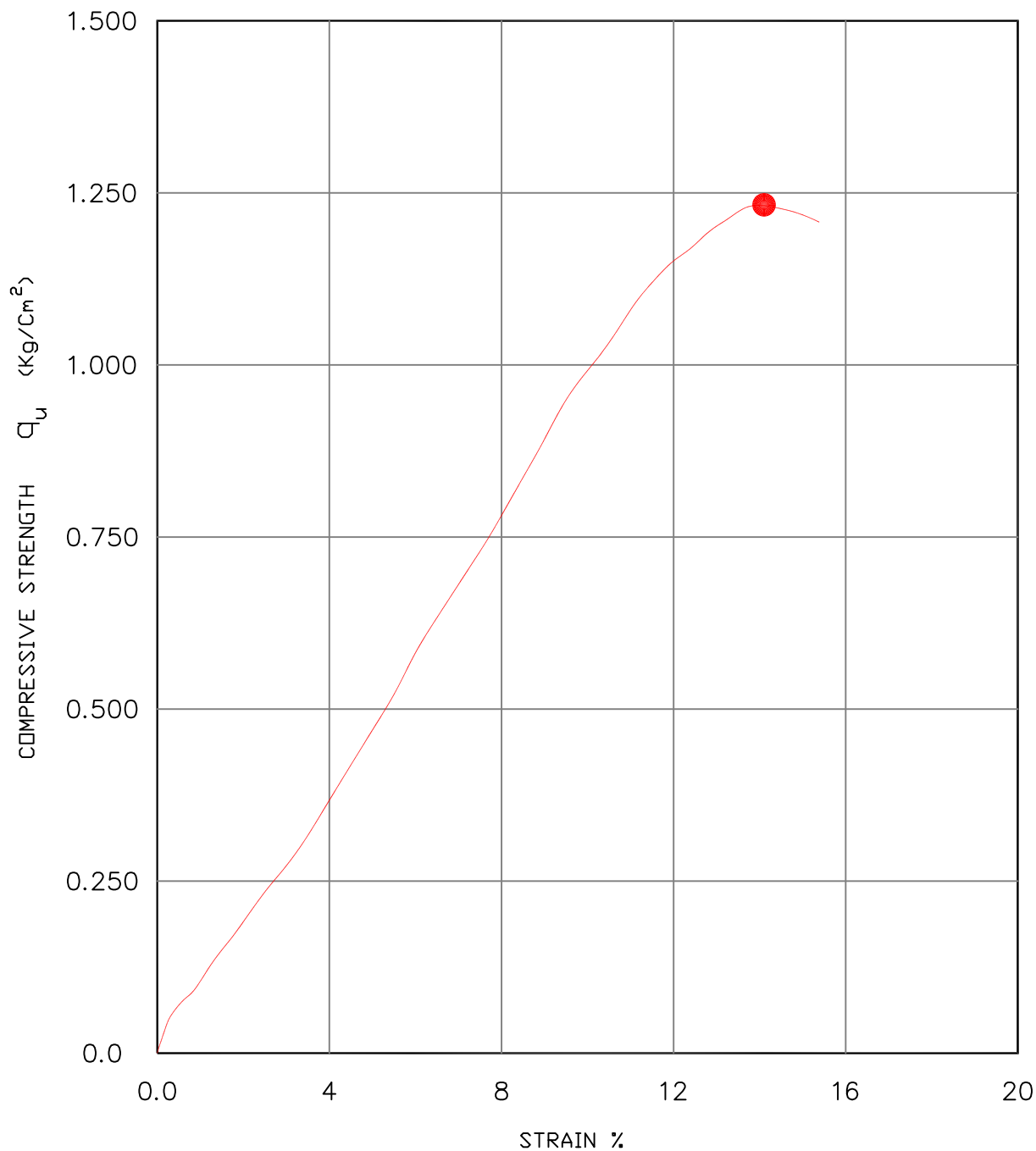


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
67

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-222	U08	20.00-20.50	<CL/ML>	Undisturbed	25	1.65	1.23
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

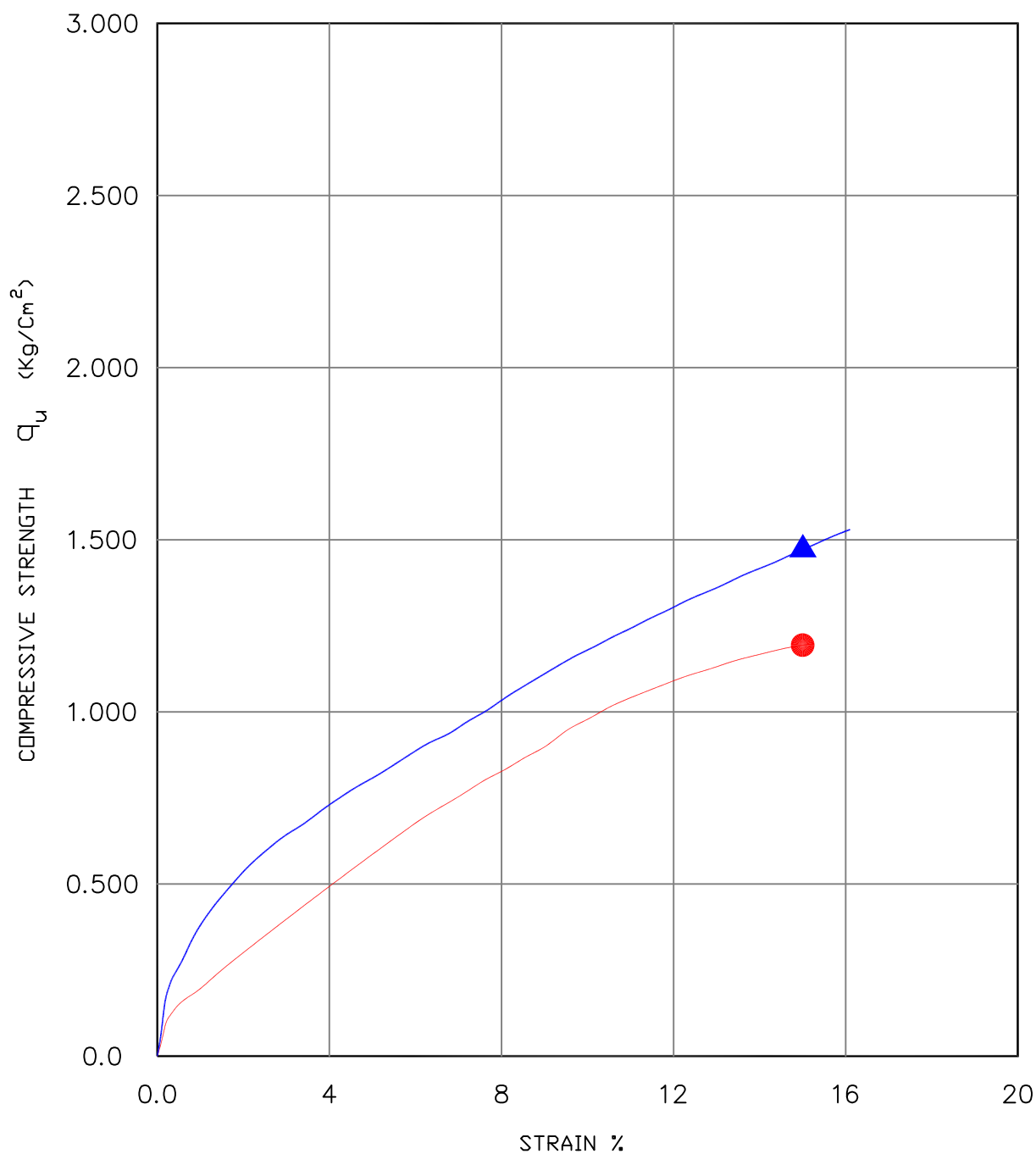


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
68

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-234	U07	22.00-22.50	<CL/ML>	Undisturbed	23	1.70	1.19
▲	BH-234	U08	24.50-25.00	<CL/ML>	Undisturbed	24	1.69	1.47
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

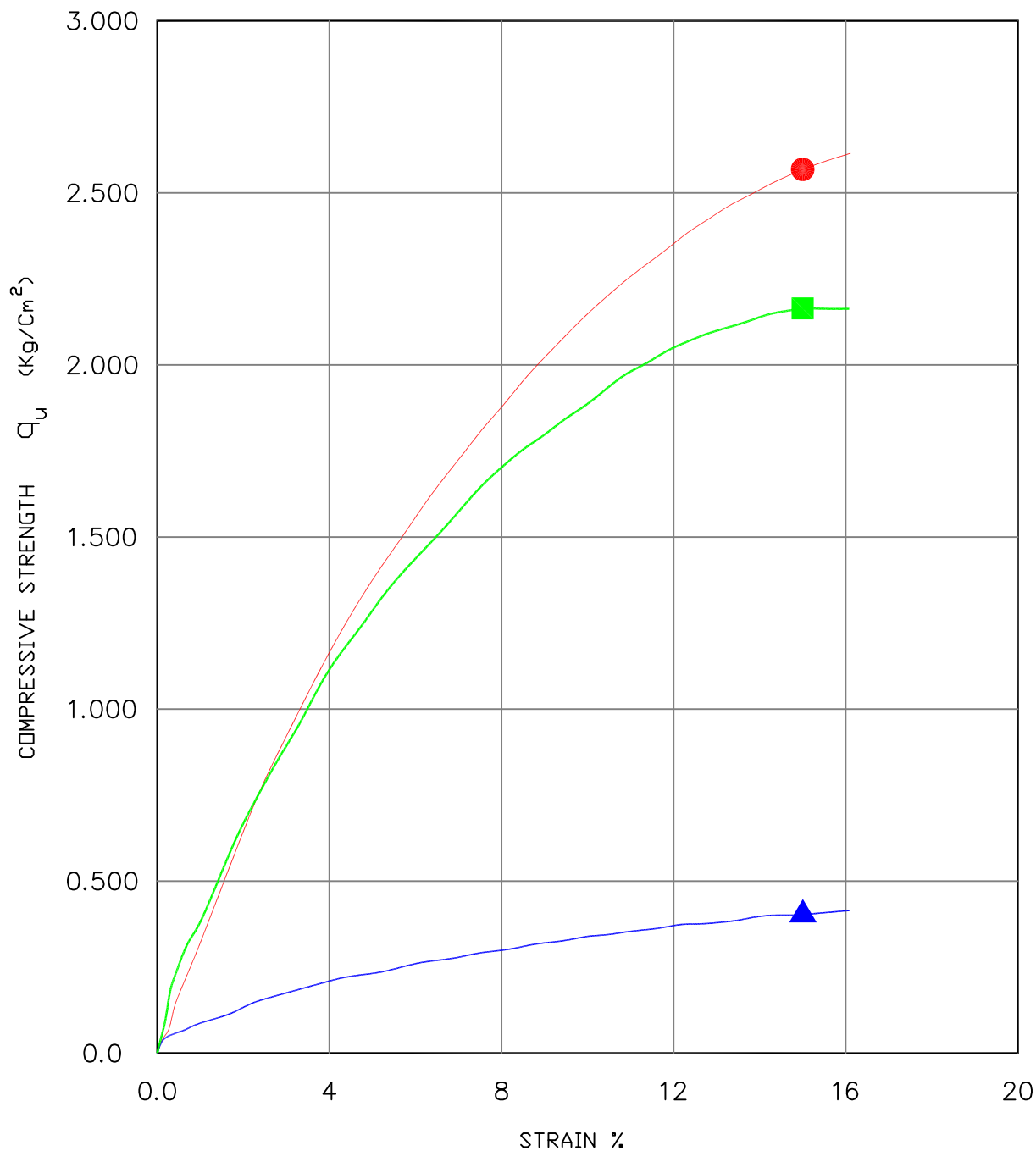


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
69

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-243	U08	20.00-20.50	<CL/ML>	Undisturbed	21	1.71	2.57
▲	BH-243	U09	22.00-22.50	<CL/ML>	Undisturbed	26	1.67	0.40
■	BH-243	U10	24.00-24.50	<CL>	Undisturbed	23	1.80	2.16

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

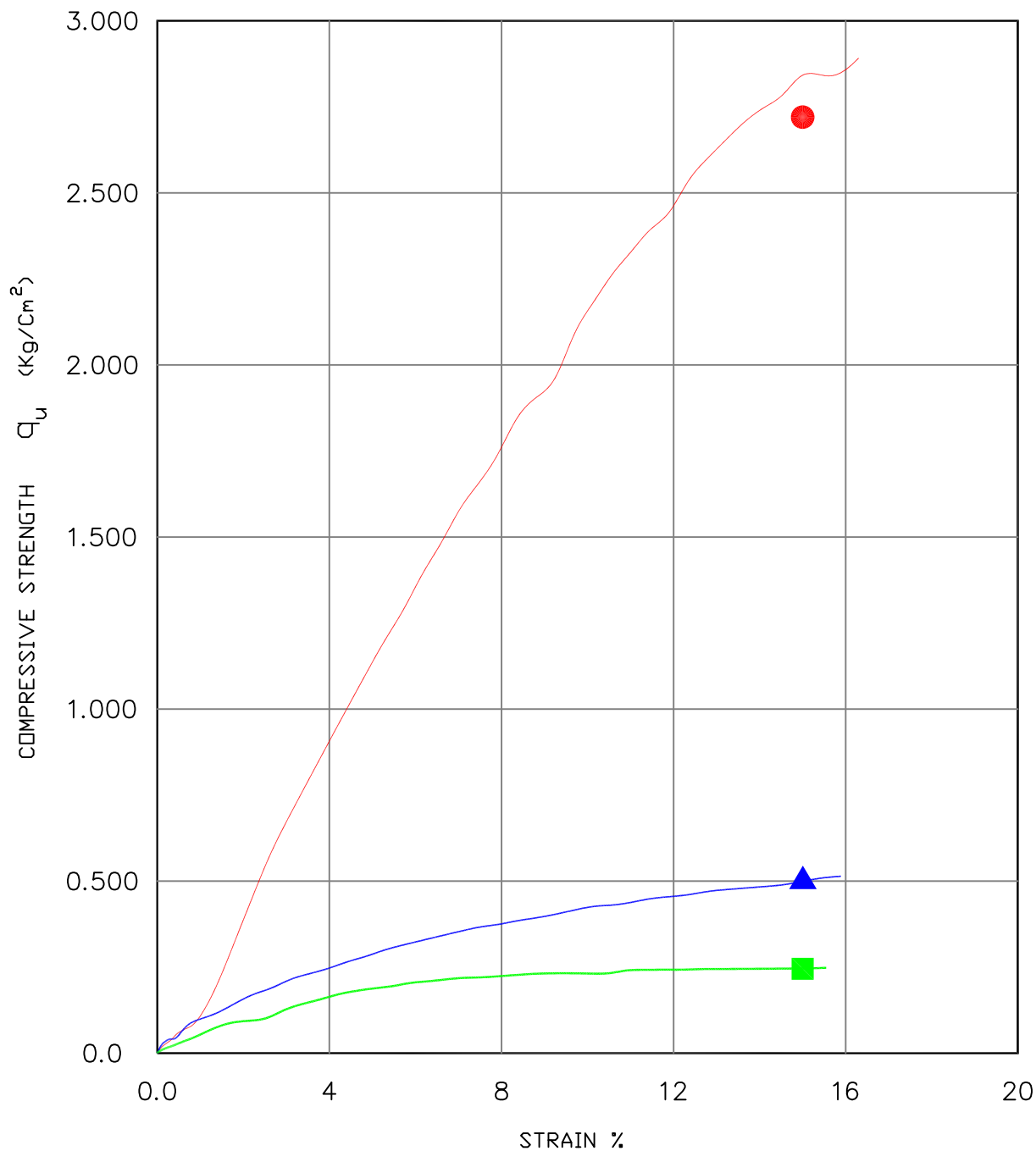


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
70

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-249	U01	4.00-4.50	<CL/ML>	Undisturbed	23	1.62	2.72
▲	BH-249	U09	20.00-20.50	<CL/ML>	Undisturbed	28	1.55	0.50
■	BH-249	U11	24.00-24.50	<ML/CL>	Undisturbed	28	1.56	0.25

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

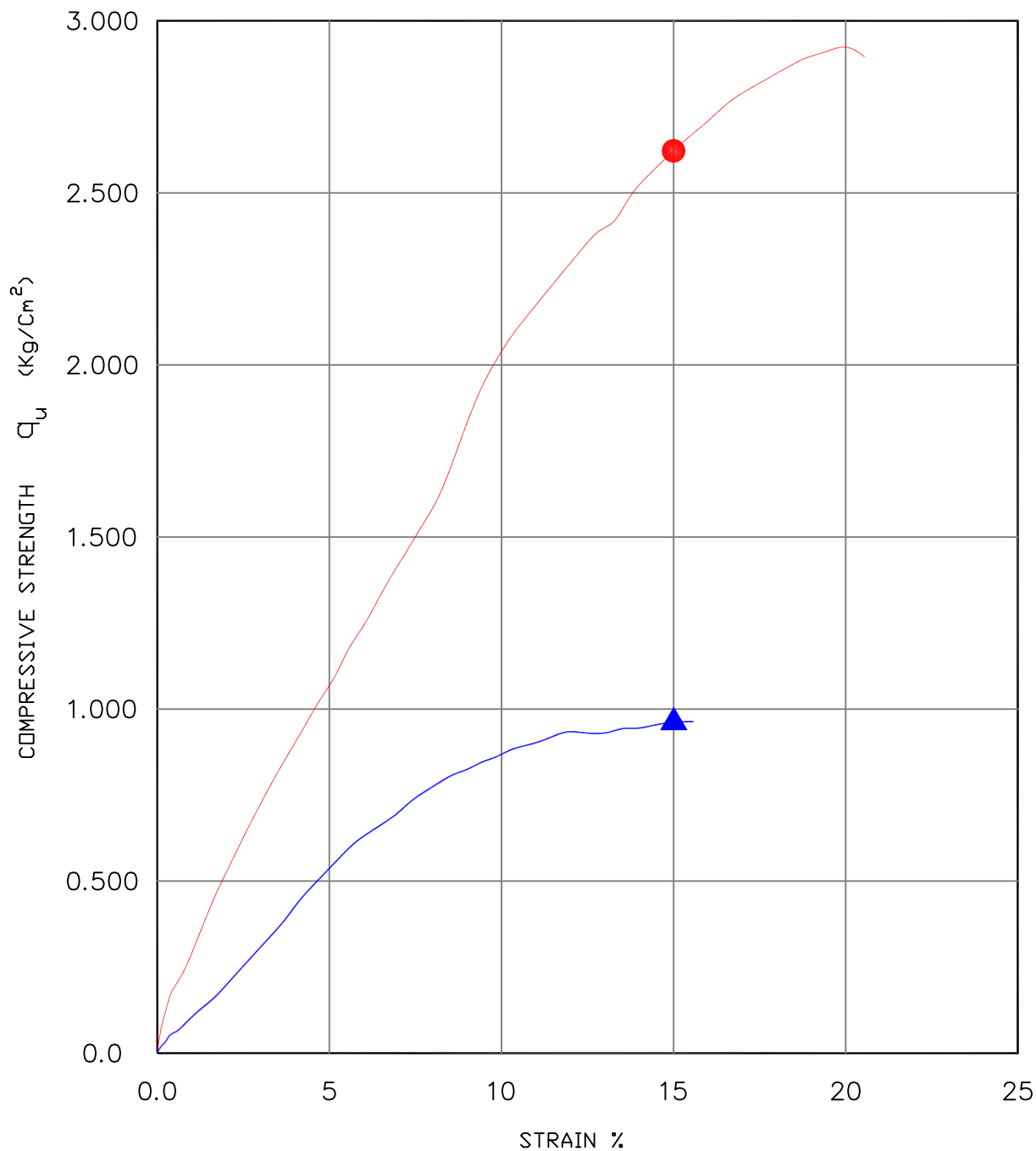


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
71

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-251	U01	4.00-4.50	<CL/ML>	Undisturbed	26	1.61	2.62
▲	BH-251	U05	12.00-12.50	<ML/CL-ML/CL>	Undisturbed	24	1.66	0.96
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

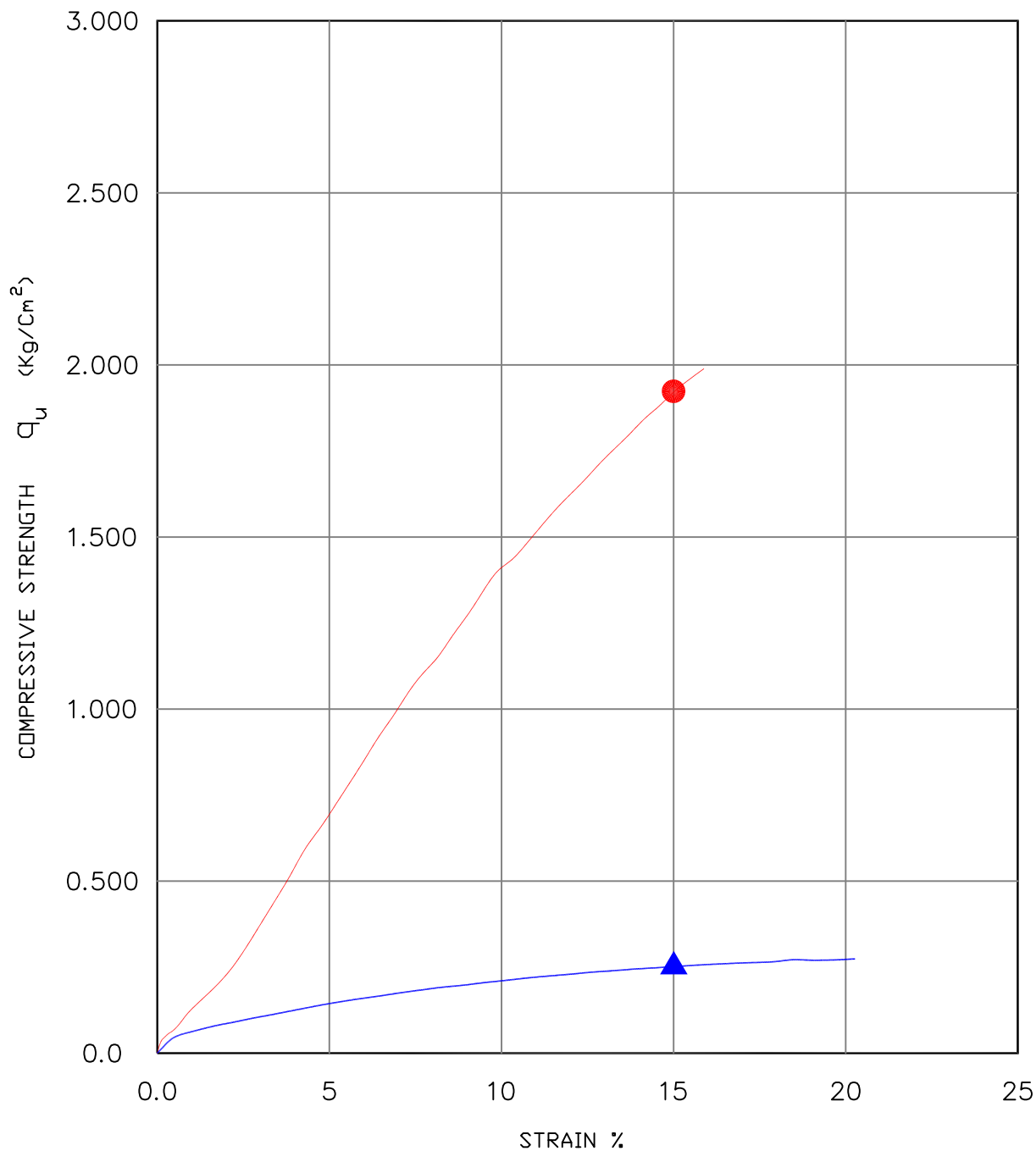


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
72

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-254	U01	4.00-4.50	<CL/ML>	Undisturbed	25	1.65	1.92
▲	BH-254	U11	24.00-24.50	<CL/ML>	Undisturbed	27	1.58	0.25
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

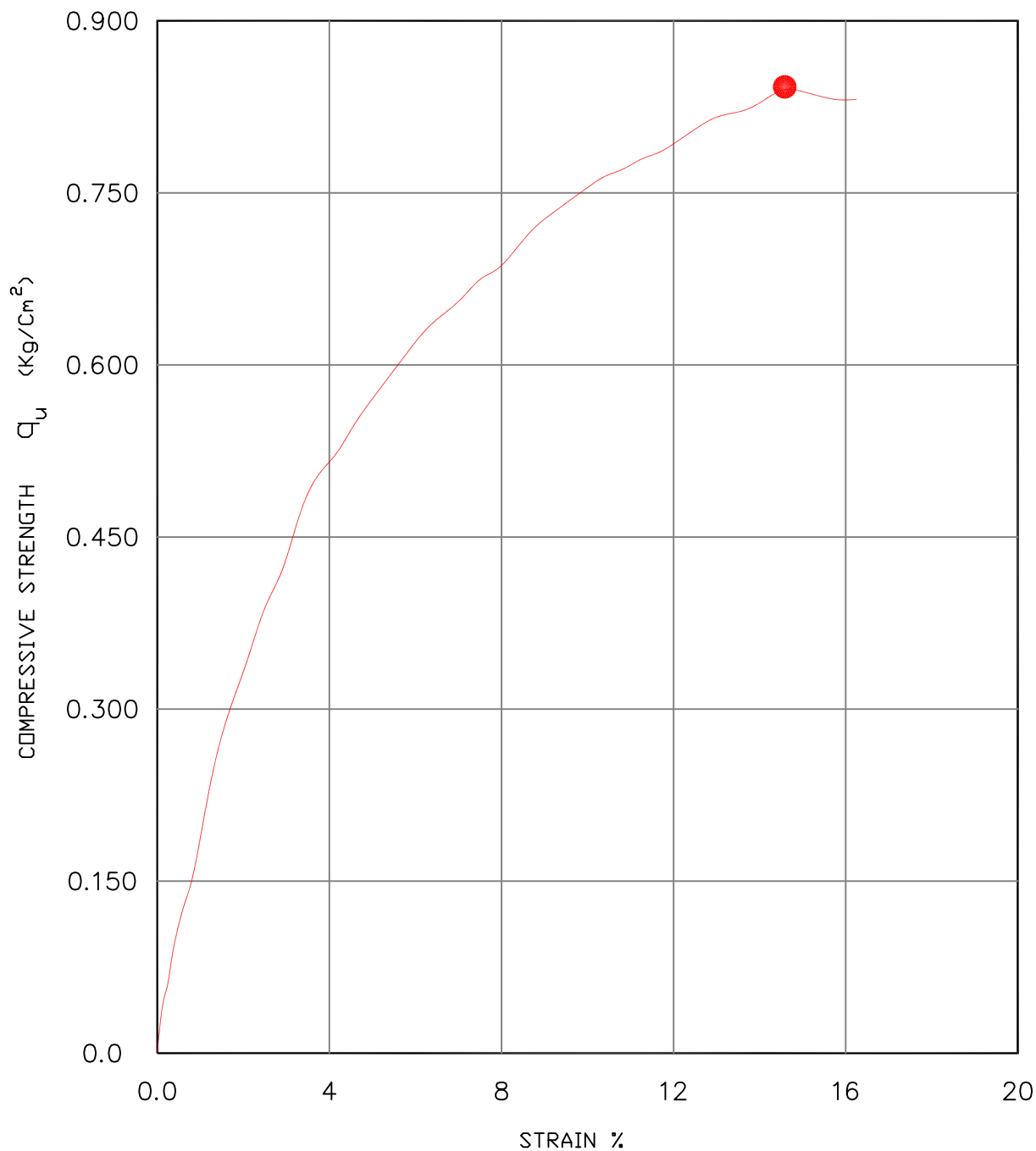


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
73

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-262	U02	8.00-8.50	<CL/ML>	Undisturbed	25	1.73	0.84
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

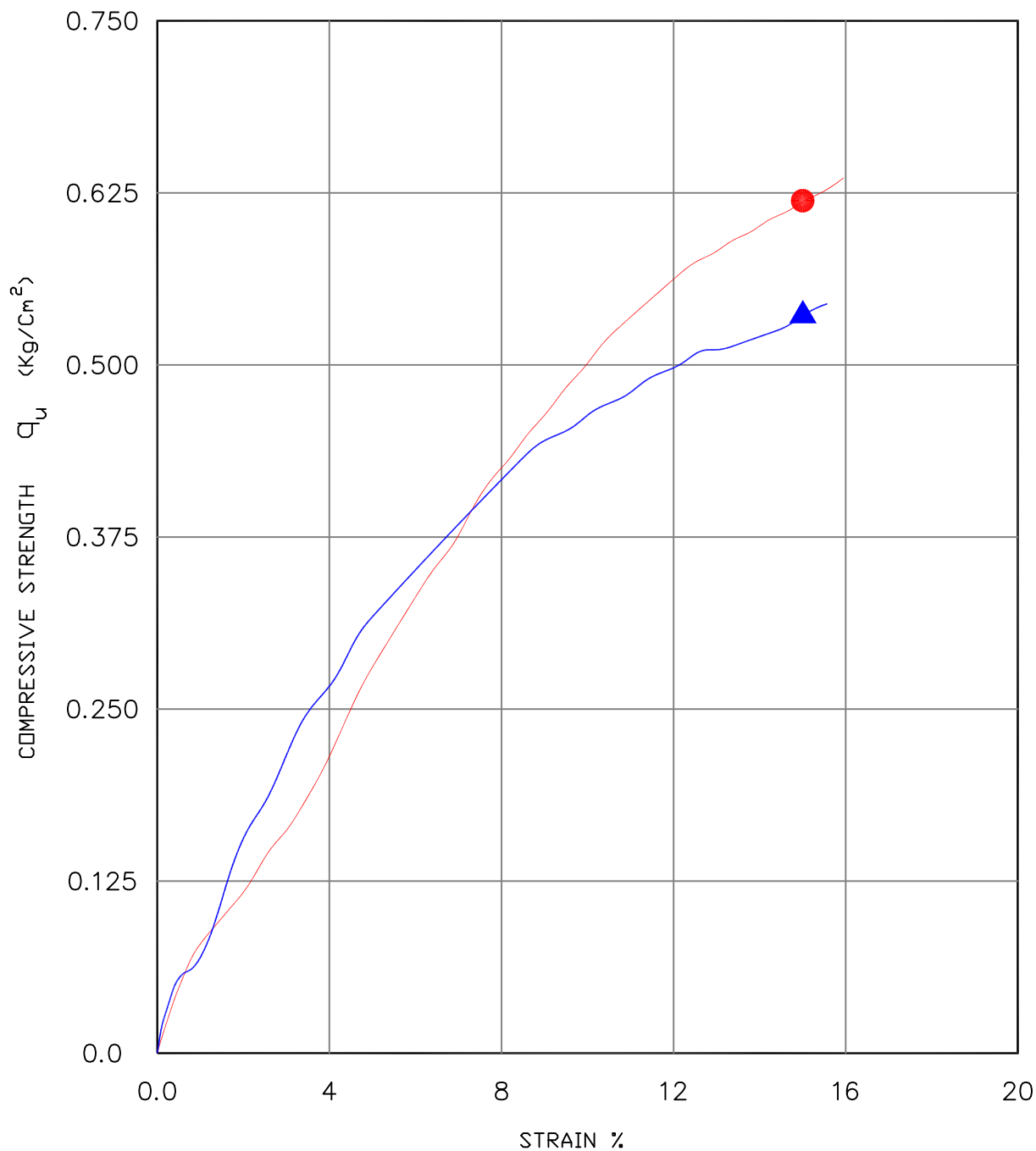


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
74

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-267	U02	8.00-8.50	<CL/ML>	Undisturbed	27	1.65	0.62
▲	BH-267	U04	12.00-12.50	<CL/ML>	Undisturbed	27	1.68	0.54
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

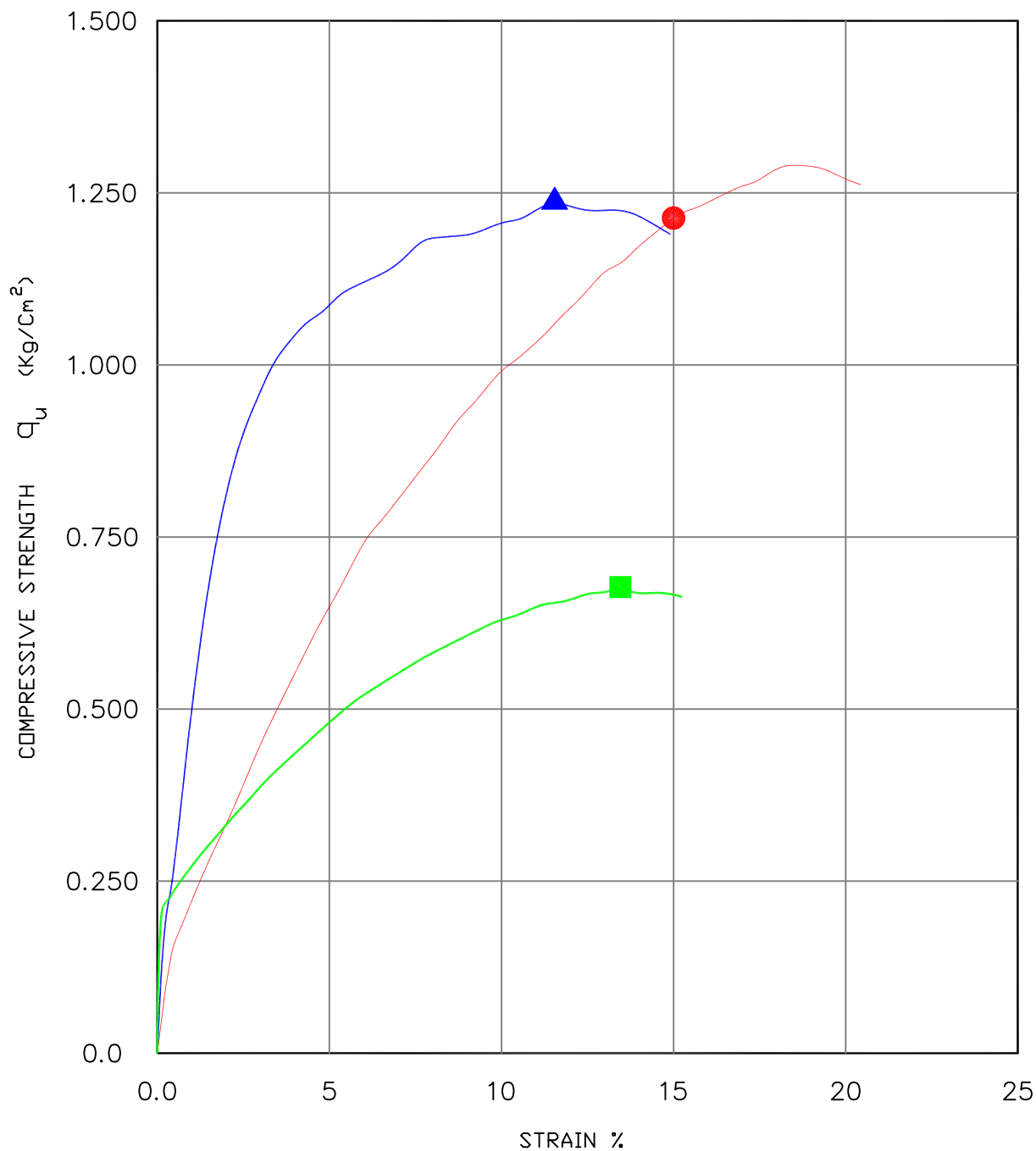


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
75

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-273	U05	14.00-14.50	CL	Undisturbed	25	1.64	1.21
▲	BH-273	U08	22.00-22.50	<CL>	Undisturbed	23	1.70	1.24
■	BH-273	U09	24.50-25.00	<CL/ML>	Undisturbed	26	1.59	0.68

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

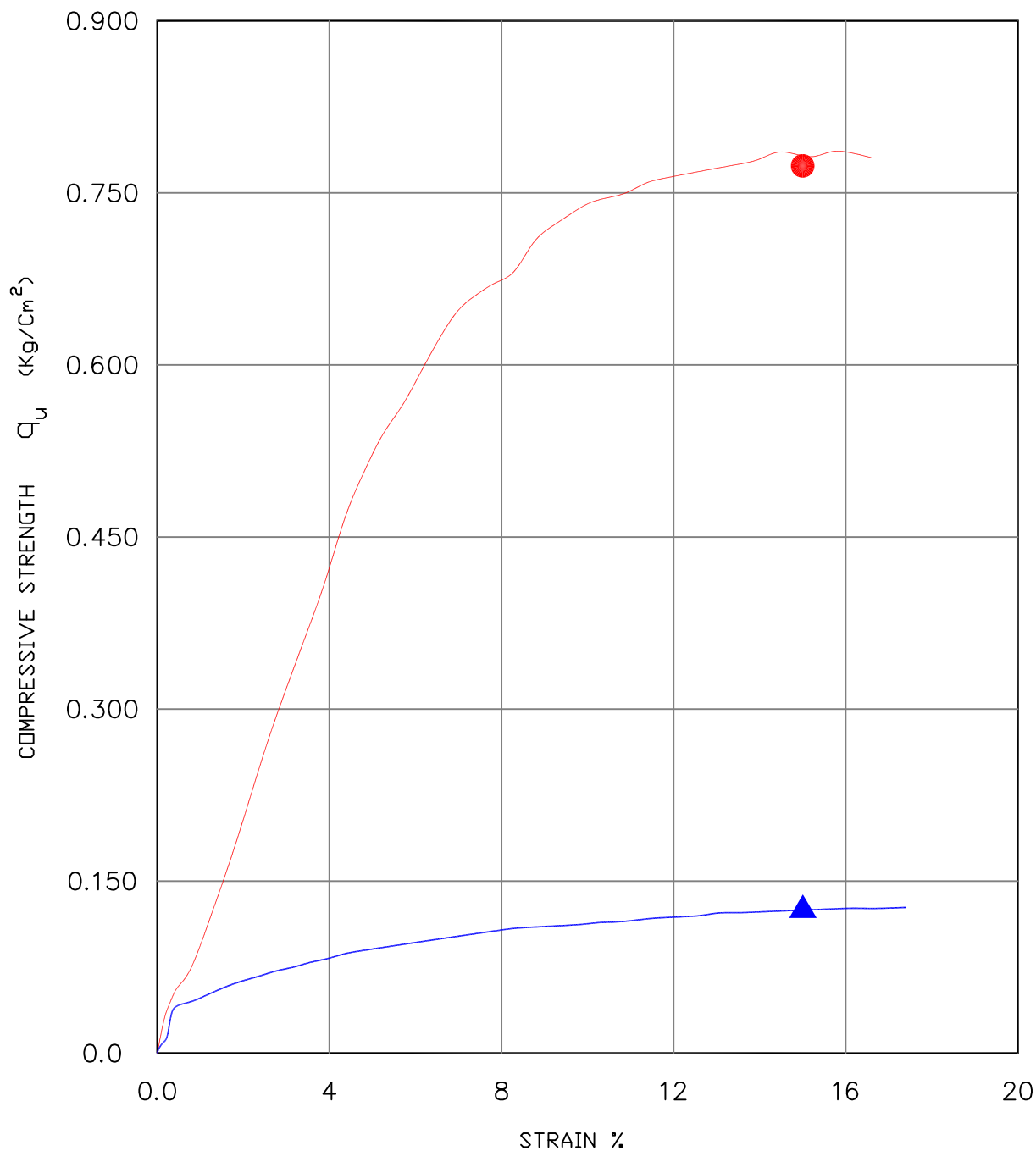


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
76

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q _u (Kg/Cm ²)
●	BH-277	U02	10.50-10.95	<CL/ML>	Undisturbed	26	1.60	0.77
▲	BH-277	U04	14.50-14.95	<CL>	Undisturbed	27	1.53	0.12
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

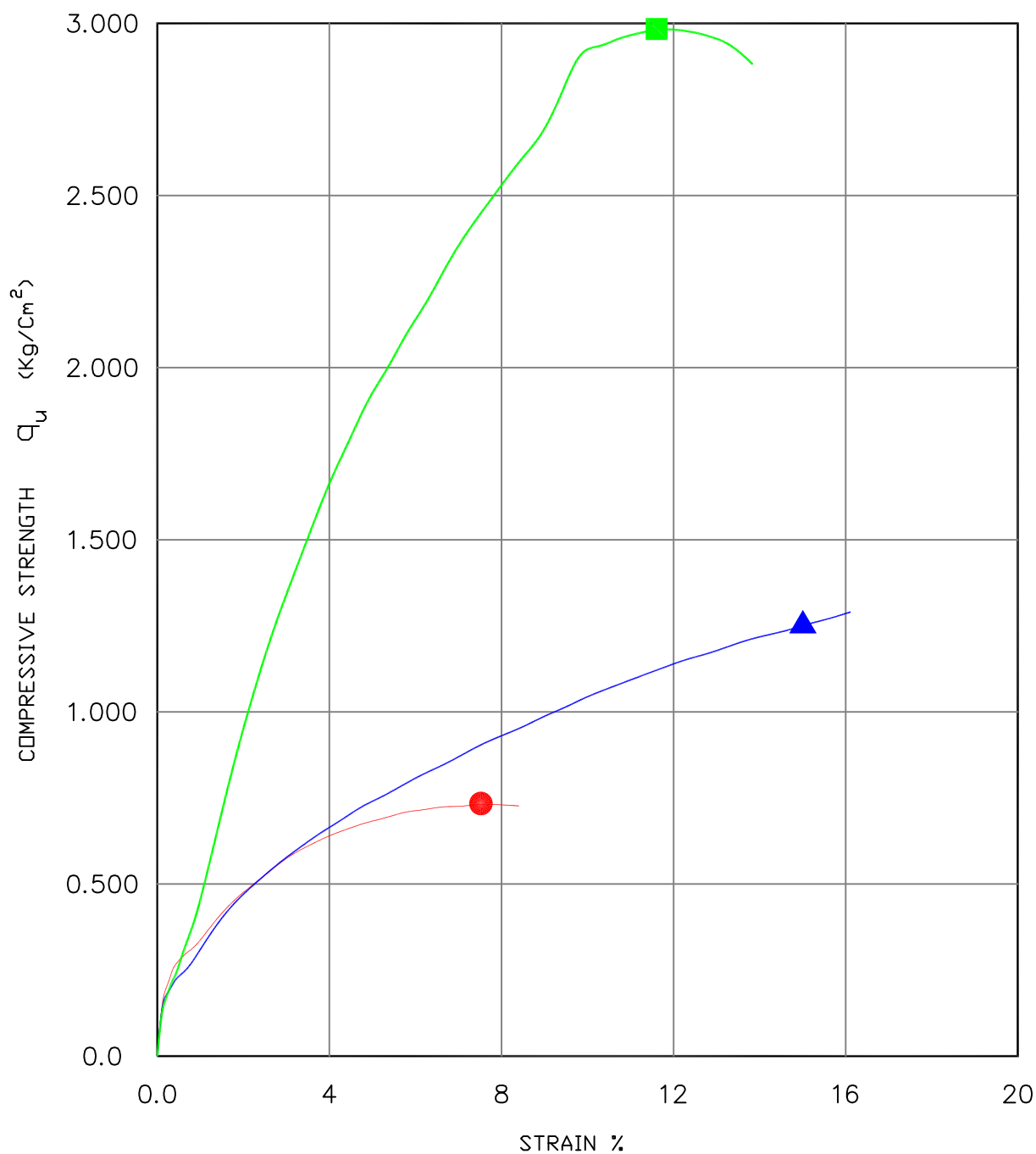


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
77

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-279	U01	3.50-4.00	<CL/ML>	Undisturbed	25	1.57	0.73
▲	BH-279	U12	27.00-27.50	<CL/ML>	Undisturbed	24	1.65	1.25
■	BH-279	U13	29.50-30.00	<CL/ML>	Undisturbed	23	1.68	2.98

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

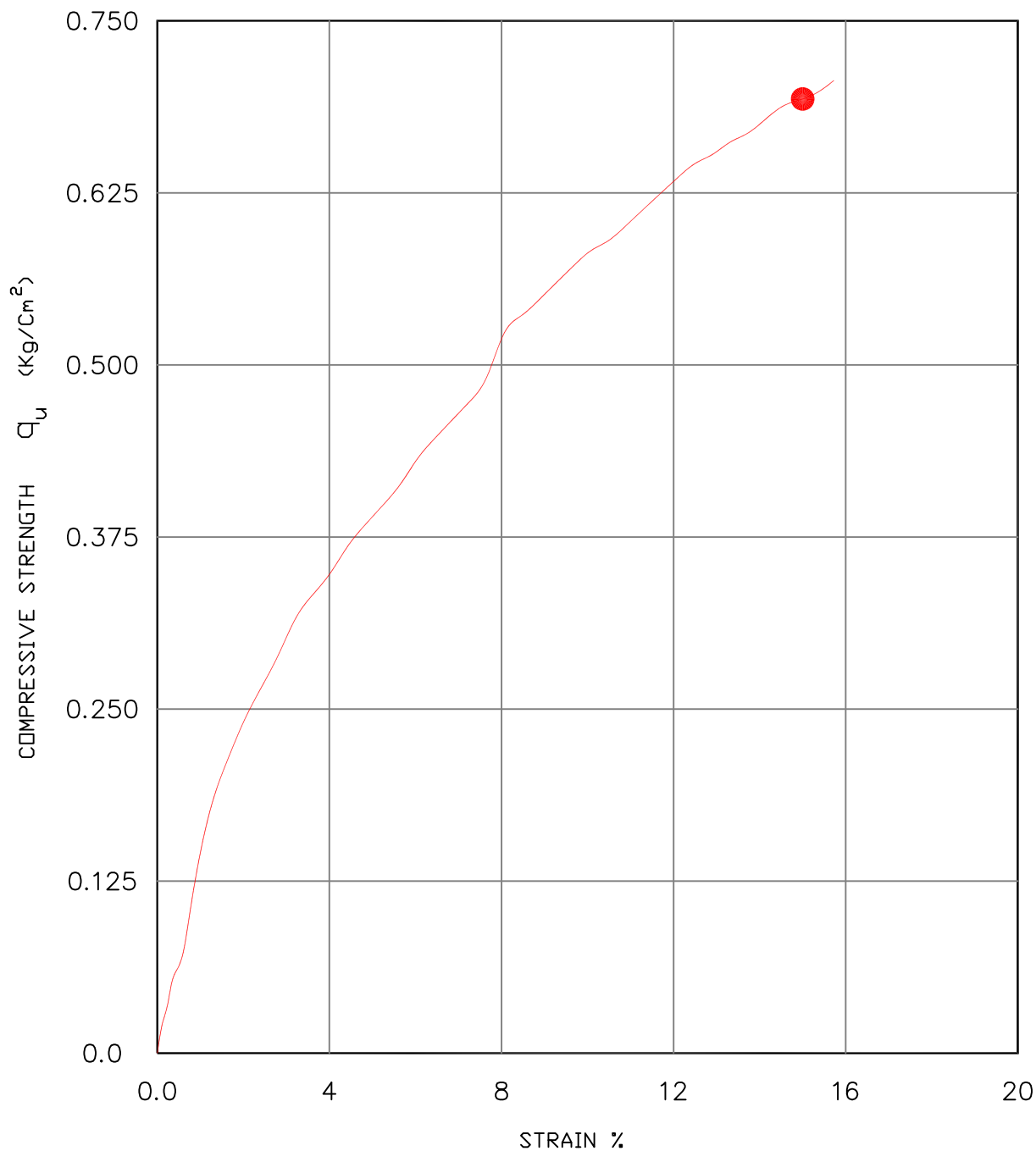


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
78

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	Q _u (Kg/Cm²)
●	BH-279	U16	37.00-37.50	<CL/ML>	Undisturbed	26	1.66	0.69
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

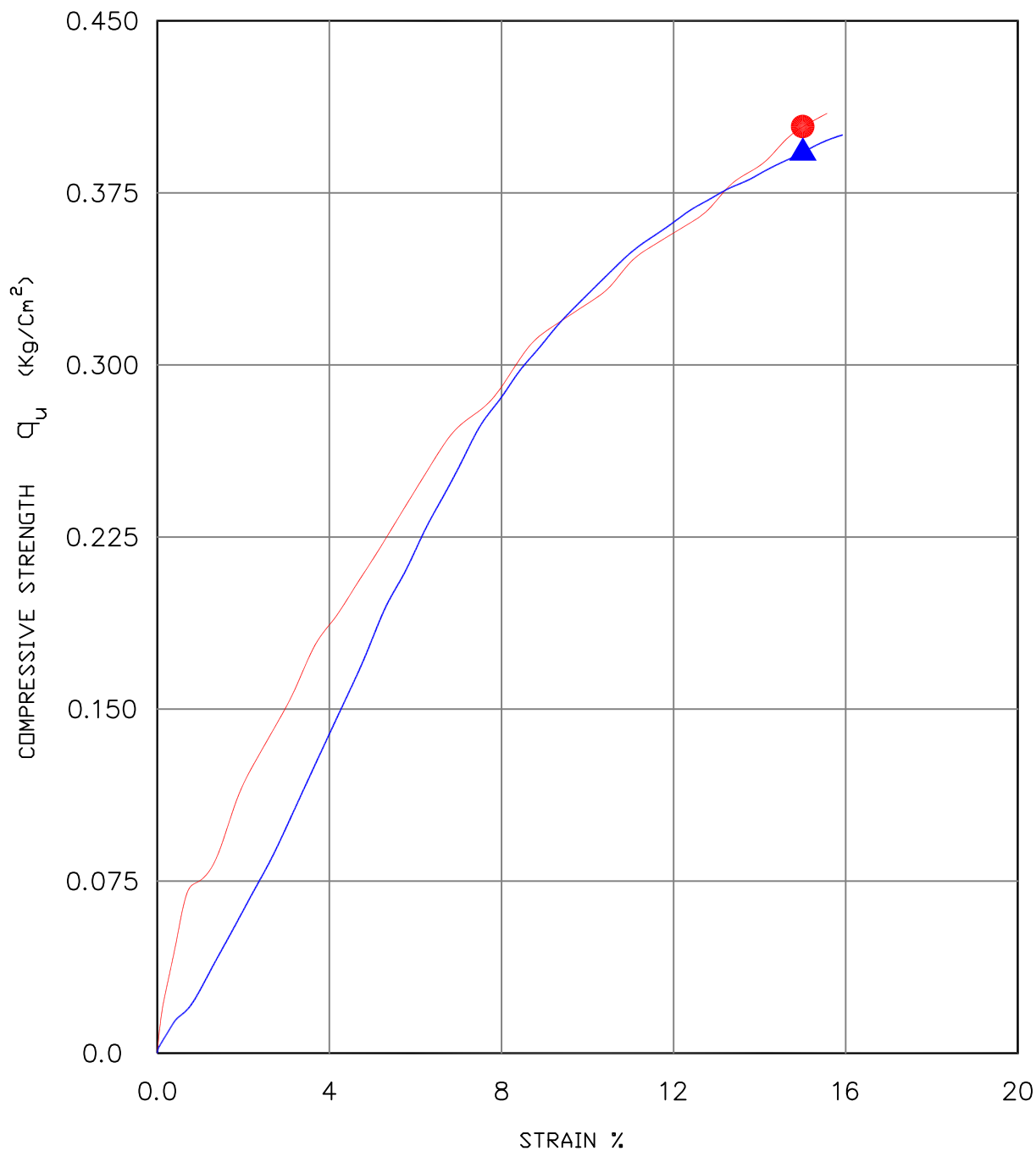


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
79

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-284	U01	6.00-6.50	<ML/CL>	Undisturbed	26	1.70	0.40
▲	BH-284	U03	12.00-12.50	<CL/ML>	Undisturbed	28	1.62	0.39
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

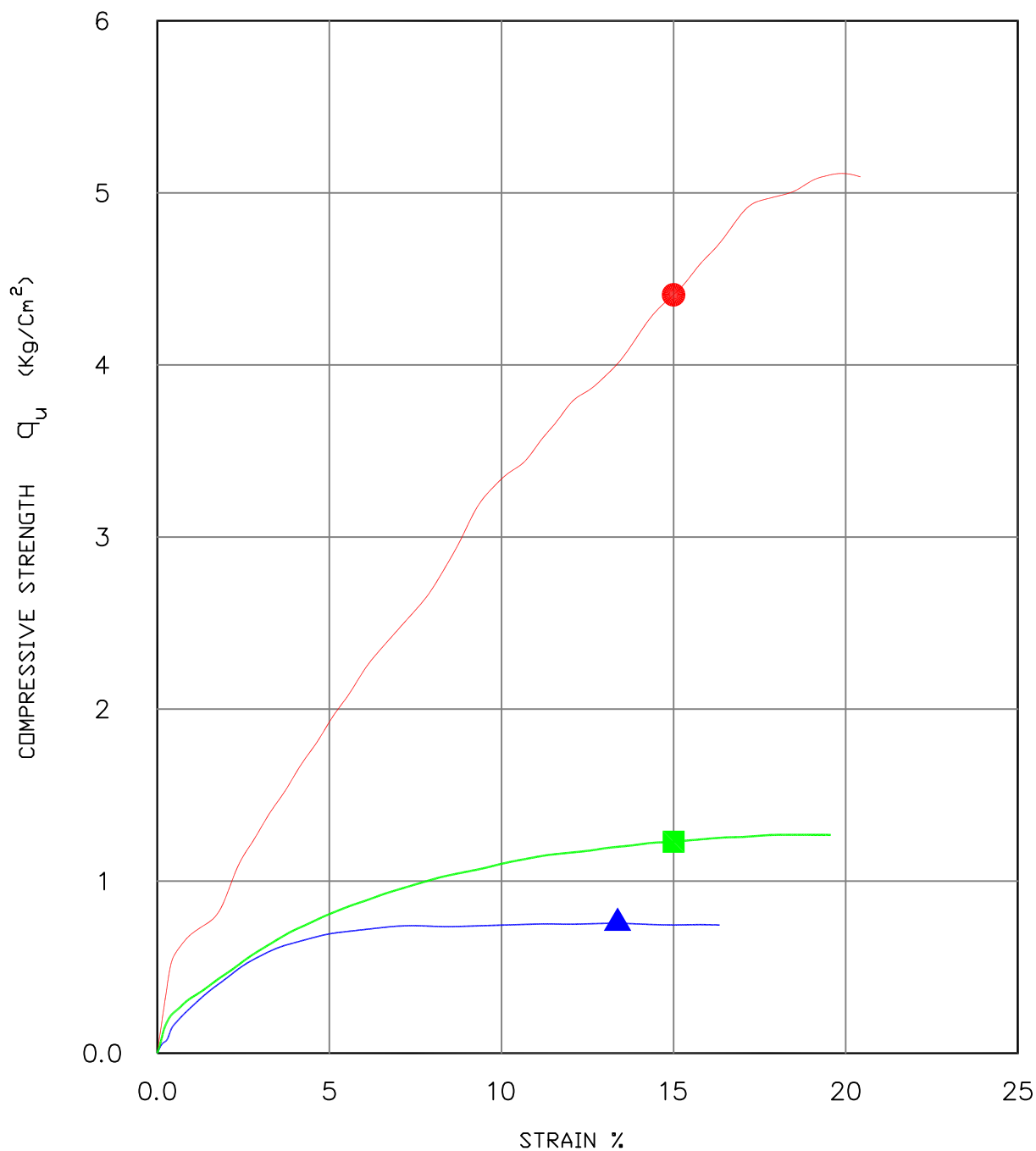


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
80

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-286	U09	23.50-24.00	<MH/ML/CH/CL>	Undisturbed	21	1.71	4.41
▲	BH-286	U11	27.50-28.00	<CL/ML>	Undisturbed	29	1.60	0.76
■	BH-286	U15	35.50-36.00	<CL/ML>	Undisturbed	26	1.58	1.23

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

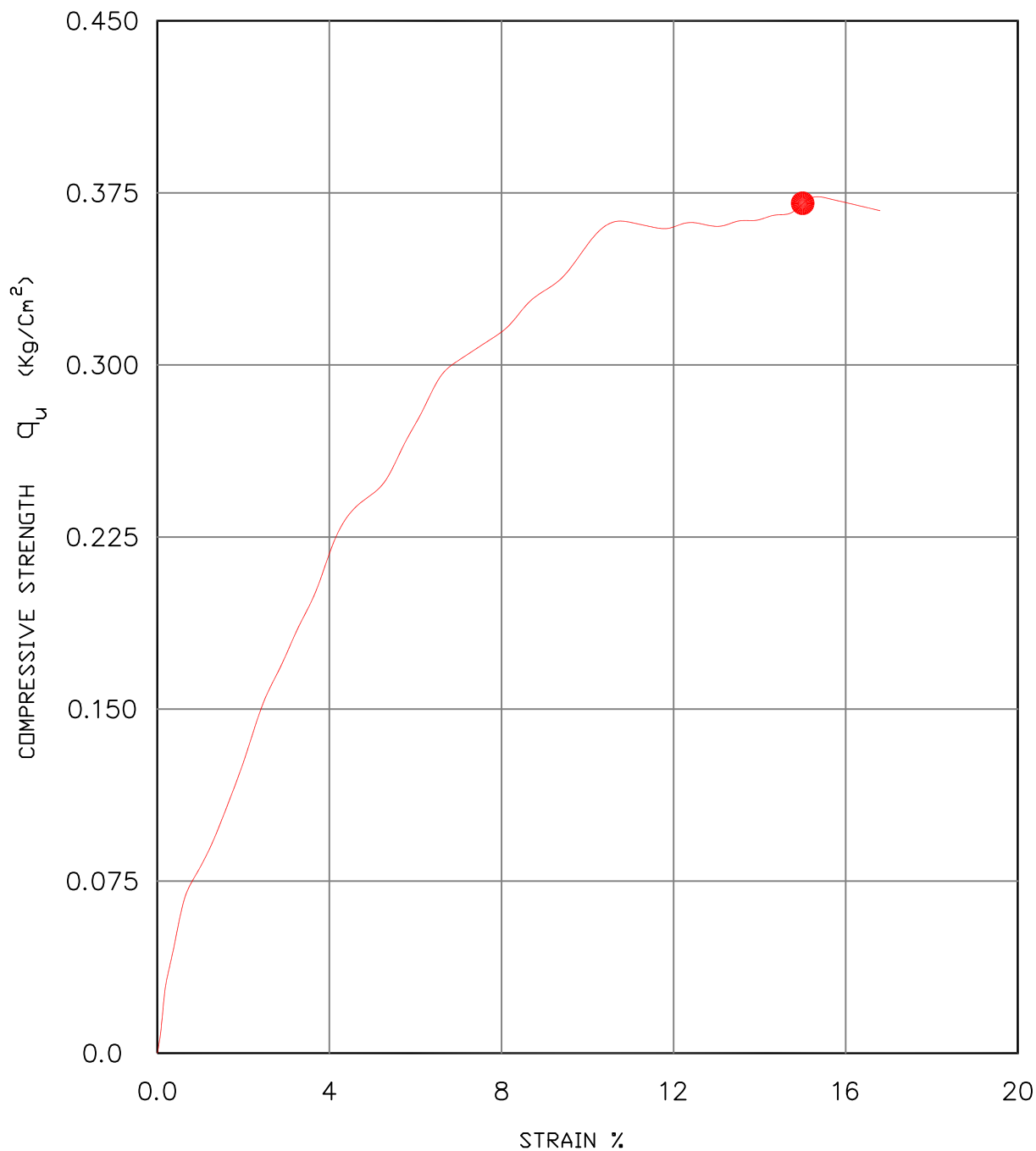


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
81

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q _u (Kg/Cm²)
●	BH-288	U01	4.00-4.50	CL	Undisturbed	24	1.55	0.37
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

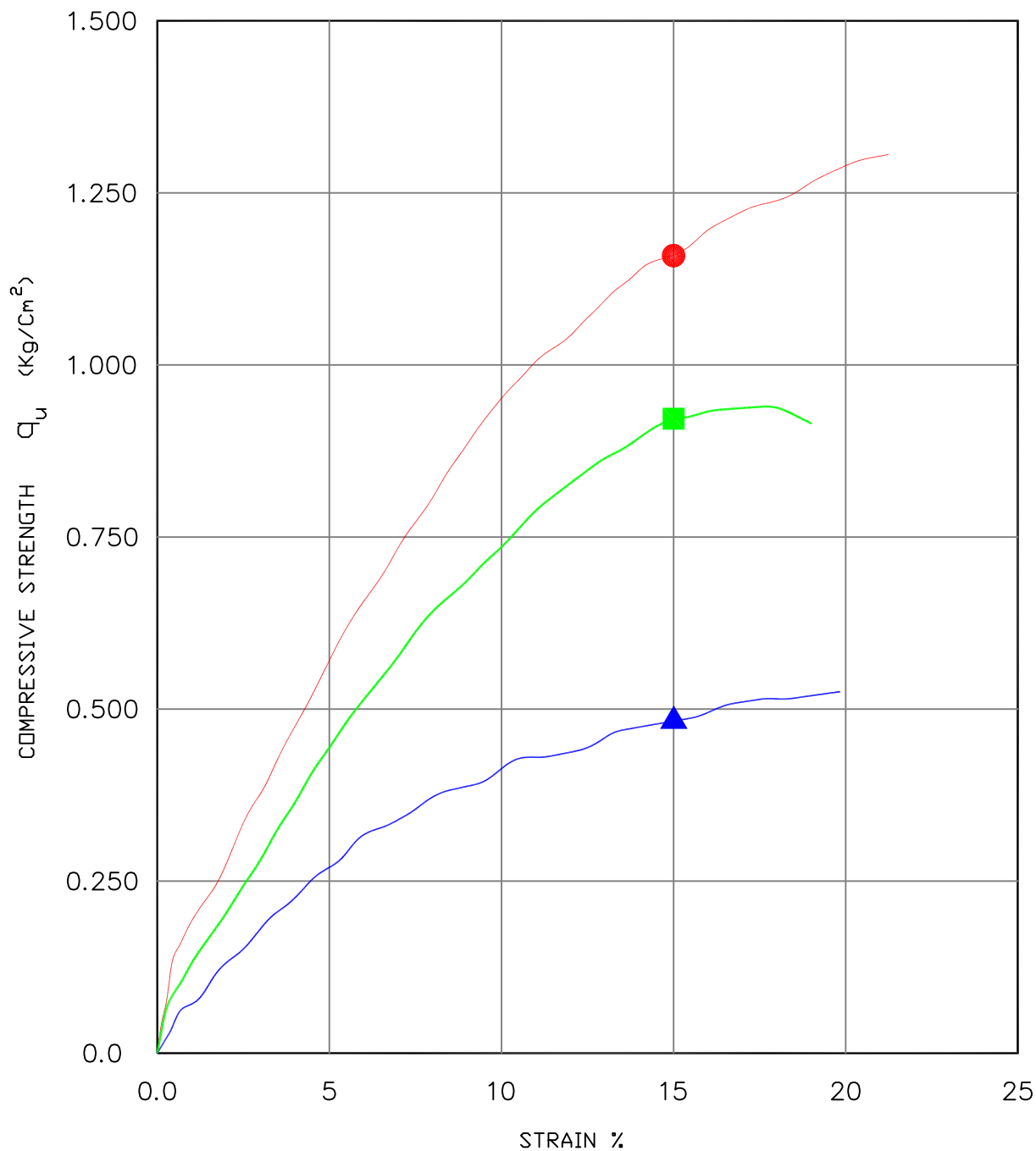


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
82

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-298	U01	8.00-8.50	CL	Undisturbed	25	1.65	1.16
▲	BH-298	U03	12.00-12.50	CL	Undisturbed	25	1.63	0.48
■	BH-298	U05	16.00-16.50	CL	Undisturbed	26	1.60	0.92

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

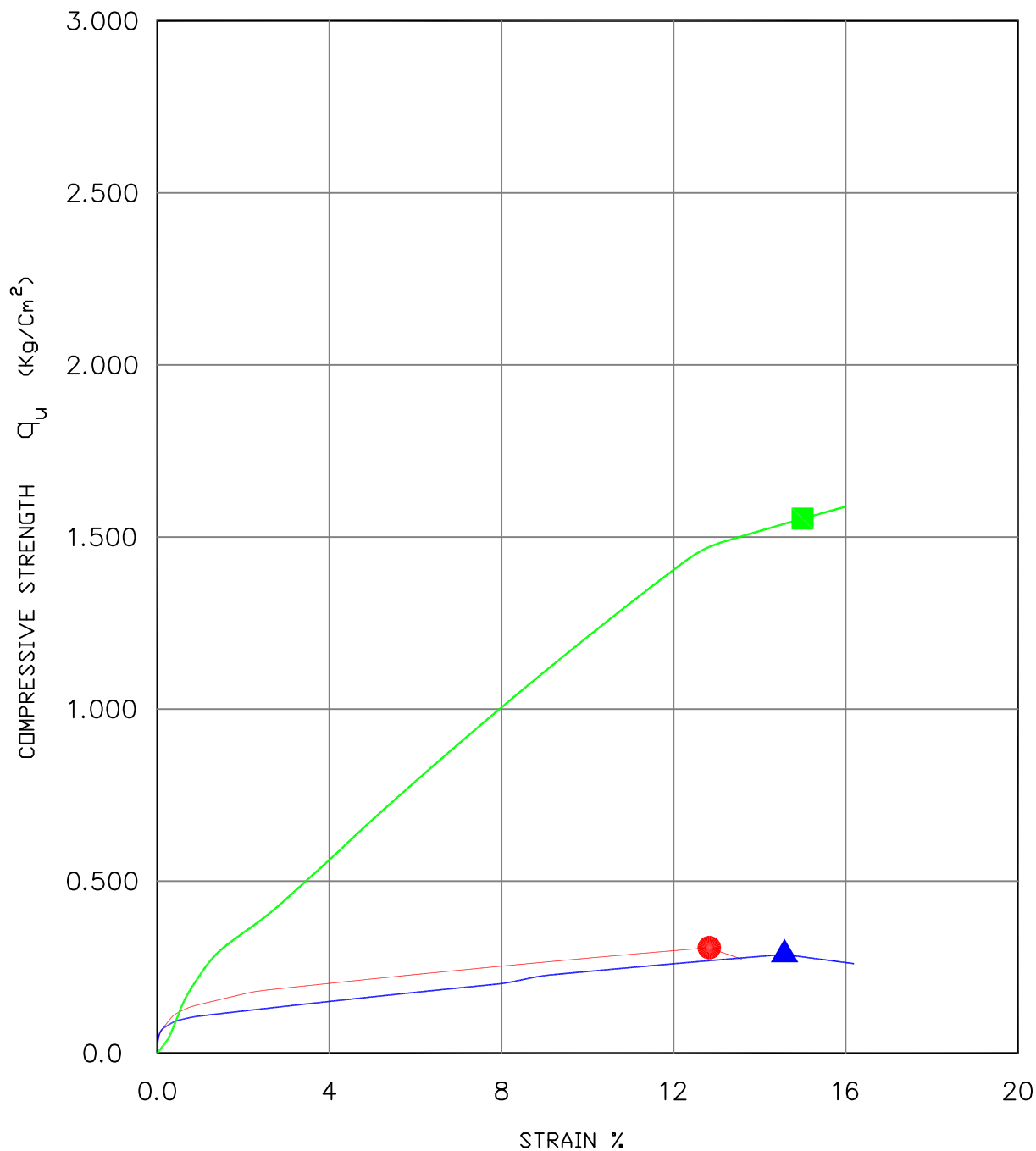


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
83

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-317	U03	12.50-12.85	<CL/ML>	Undisturbed	28	1.57	0.31
▲	BH-317	U08	25.00-25.30	<CL/ML>	Undisturbed	29	1.58	0.29
■	BH-317	U11	32.50-32.80	<CL/ML>	Undisturbed	26	1.67	1.55

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

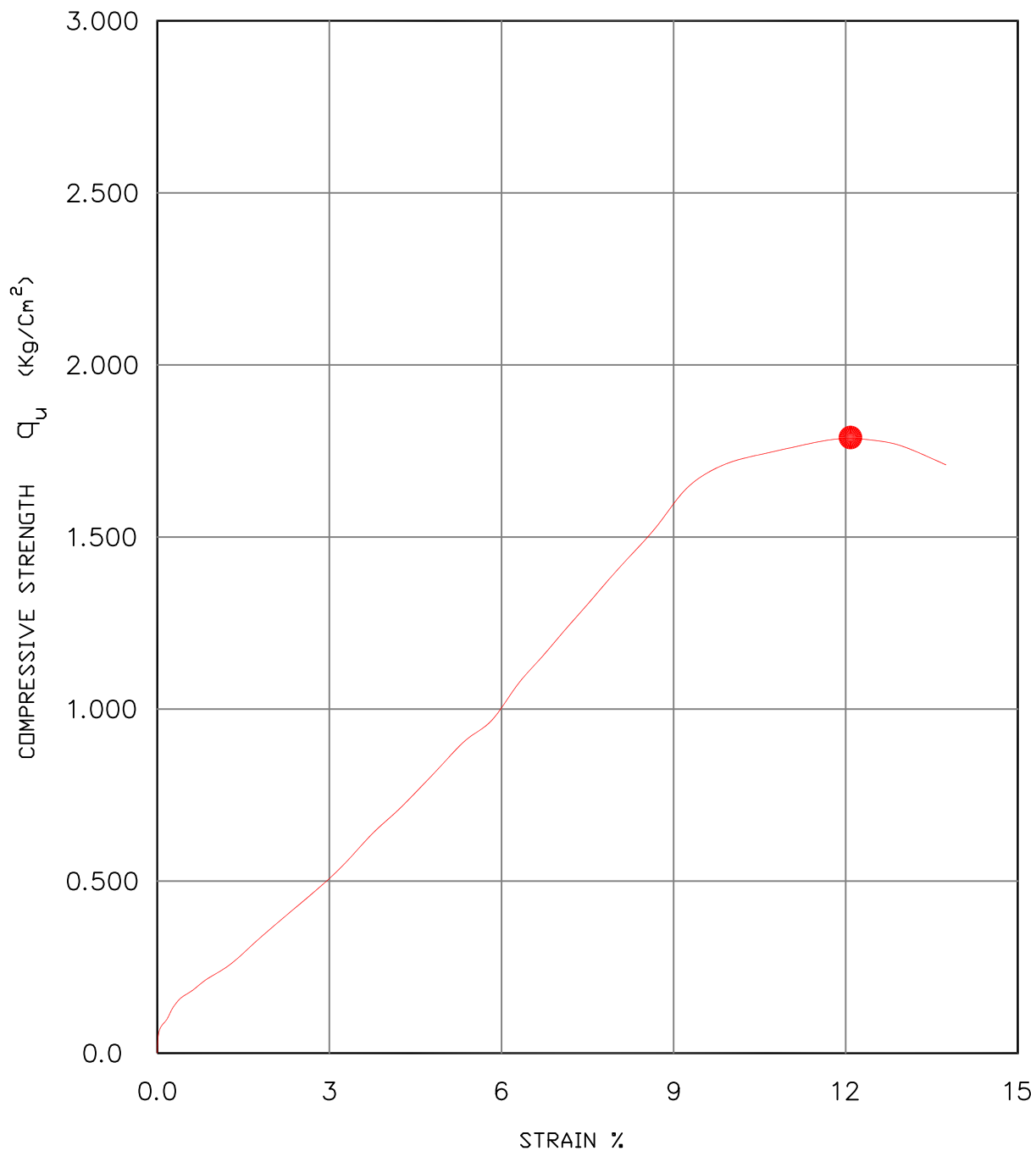


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
84

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-317	U17	47.50-47.90	<CL/ML>	Undisturbed	21	1.74	1.79
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

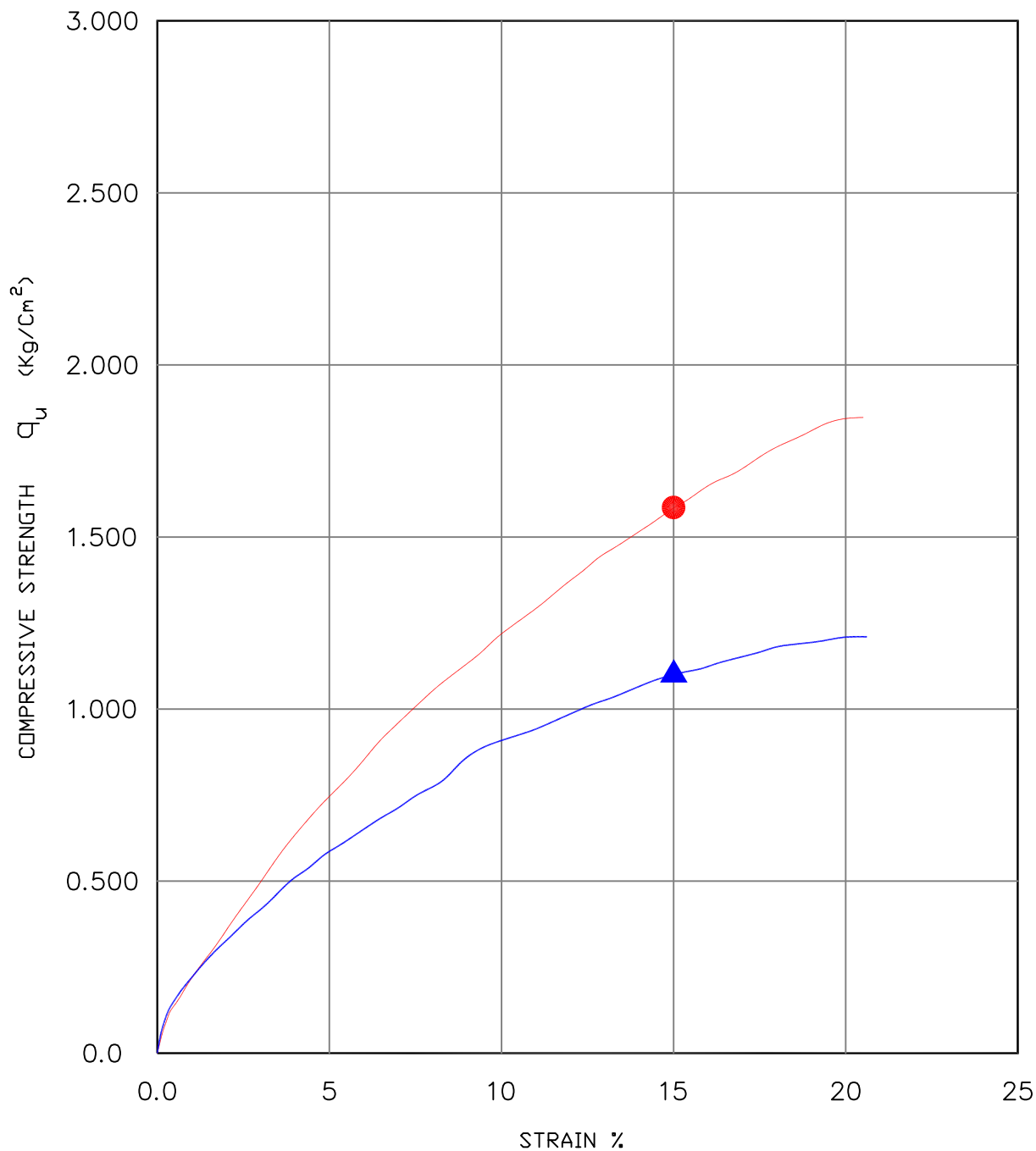


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
85

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	Q_u (Kg/Cm ²)
●	BH-322	U01	4.00-4.50	CL	Undisturbed	19	1.70	1.59
▲	BH-322	U02	6.00-6.50	<CL>	Undisturbed	25	1.63	1.10
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

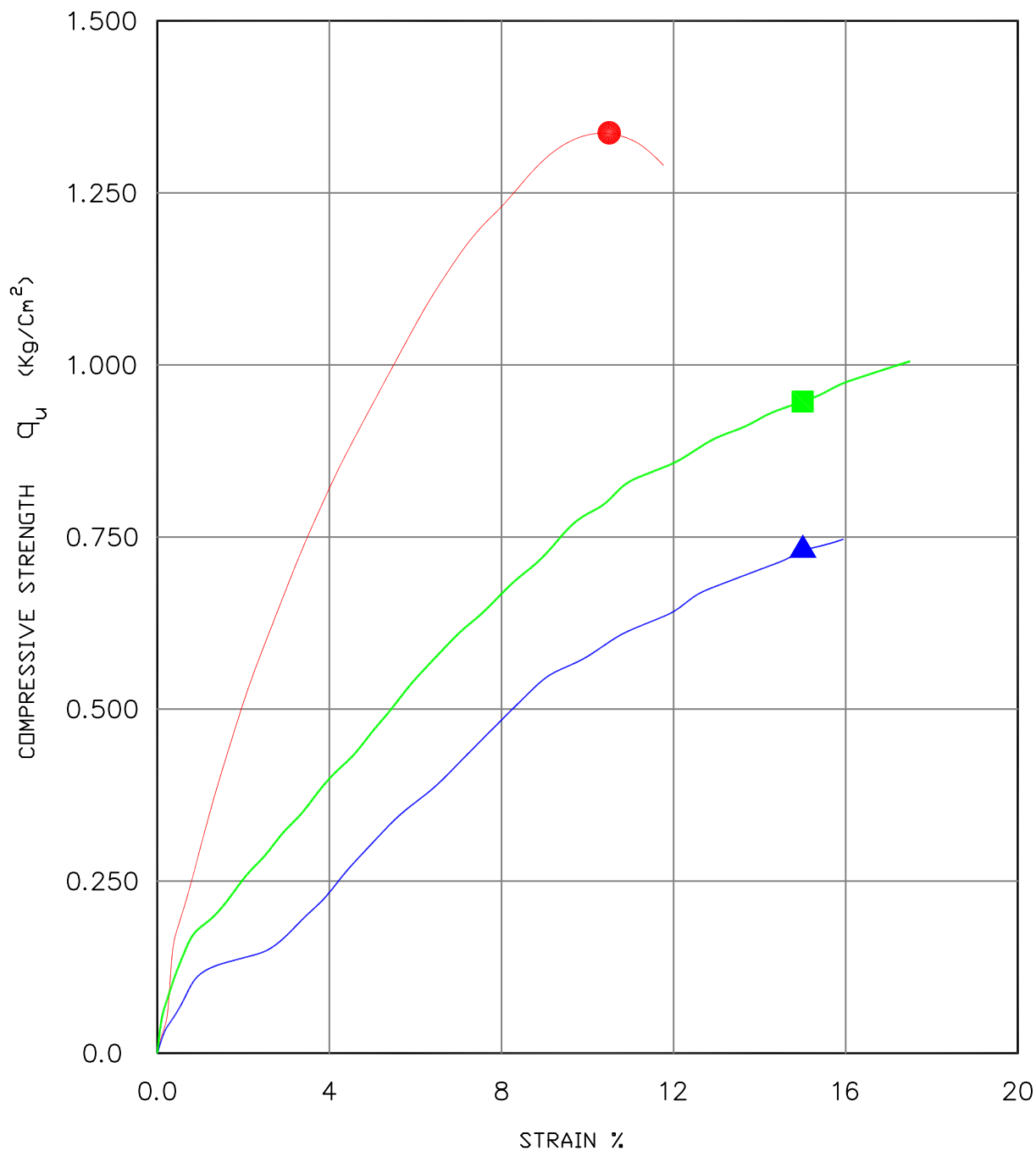


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
86

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-329	U01	4.00-4.50	<ML>	Undisturbed	26	1.59	1.34
▲	BH-329	U06	14.00-14.50	<CL/ML>	Undisturbed	24	1.72	0.73
■	BH-329	U10	22.00-22.50	<ML/CL>	Undisturbed	26	1.67	0.95

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

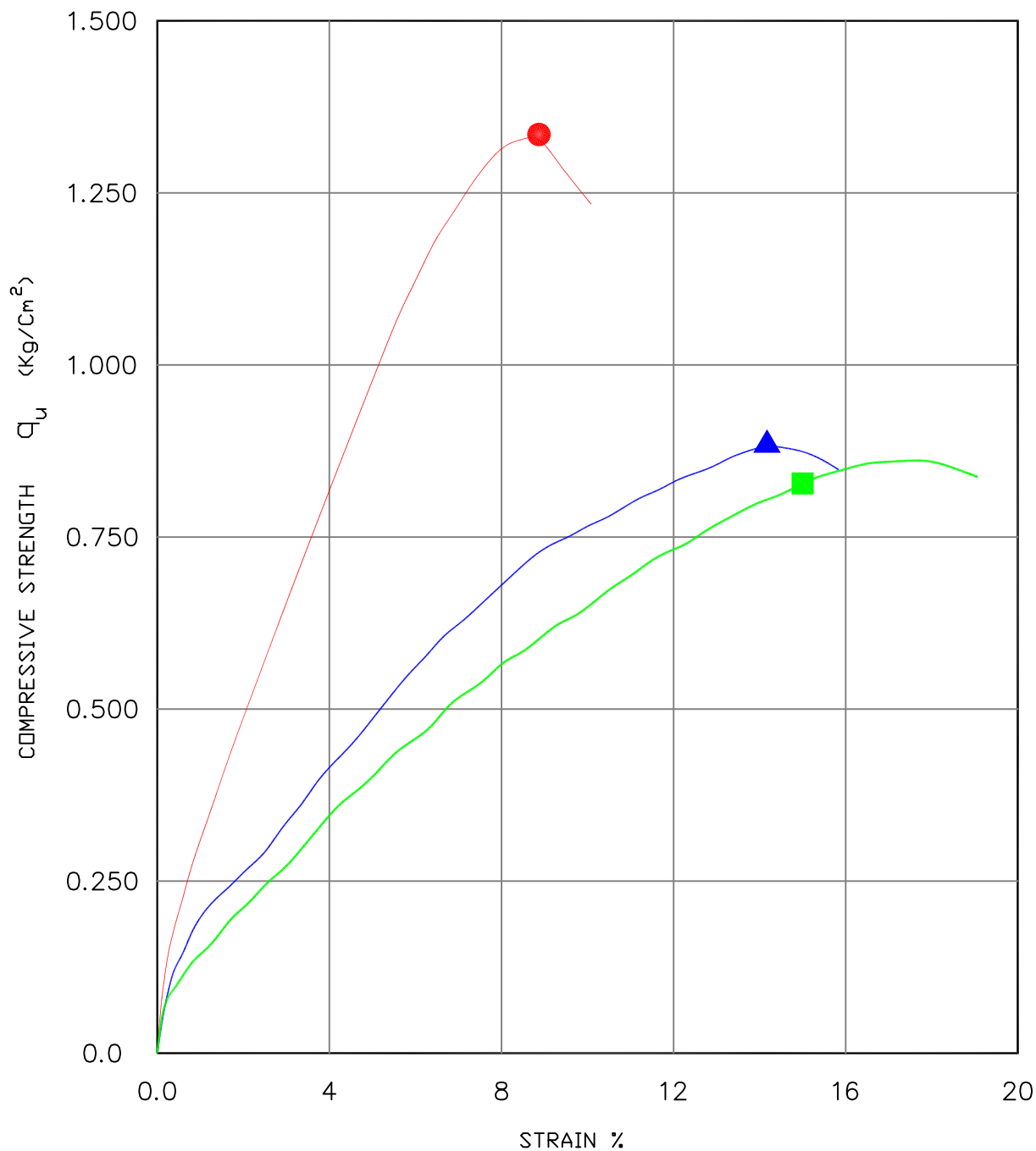


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
87

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm³)	q_u (Kg/Cm²)
●	BH-337	U01	4.00-4.50	<CL>	Undisturbed	21	1.63	1.33
▲	BH-337	U07	16.00-16.50	<CL/ML>	Undisturbed	25	1.62	0.88
■	BH-337	U10	22.00-22.50	<CL>	Undisturbed	28	1.56	0.83

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

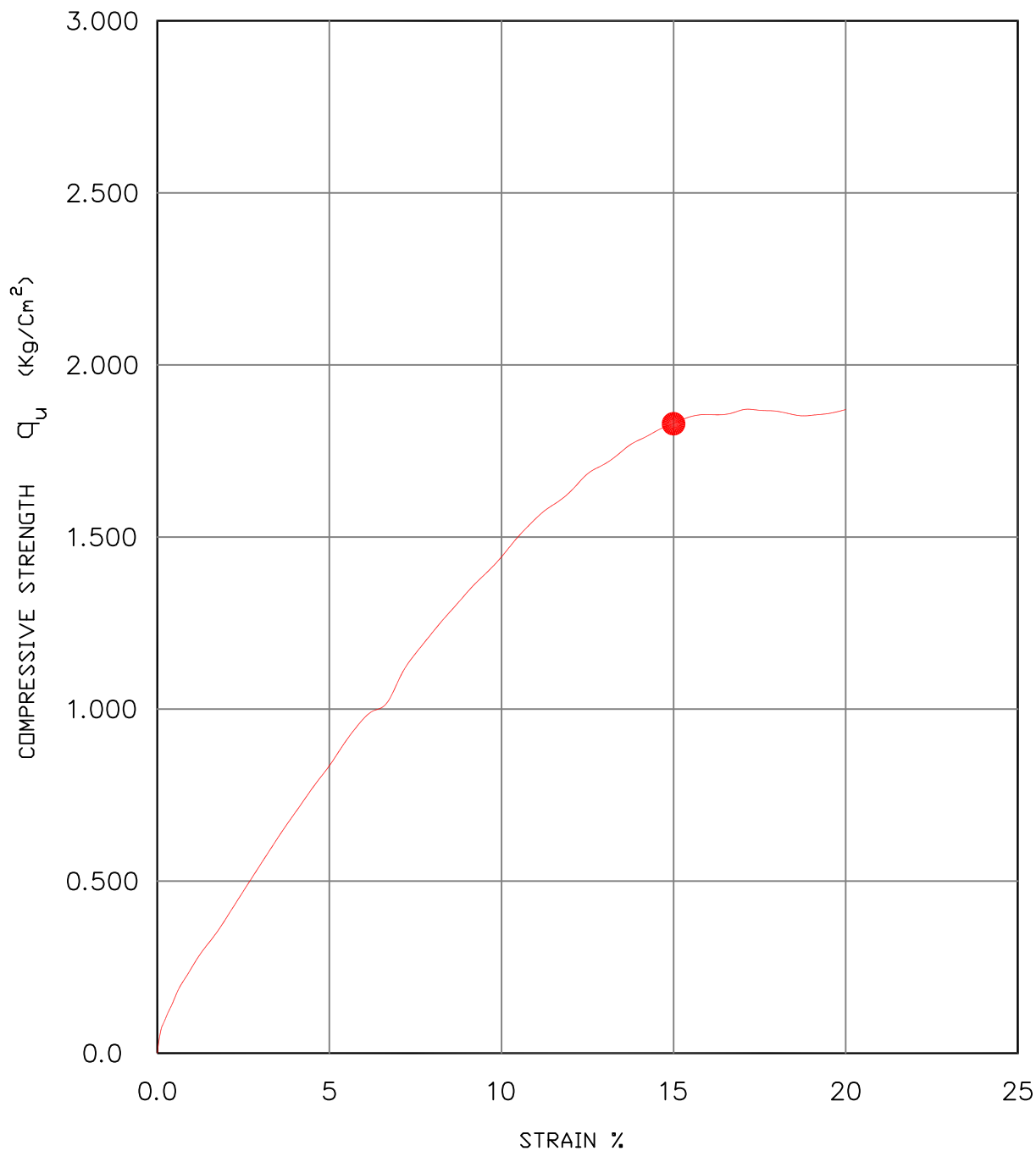


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
88

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-337	U12	26.00-26.50	CL/CL-ML/CL	Undisturbed	22	1.70	1.83
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

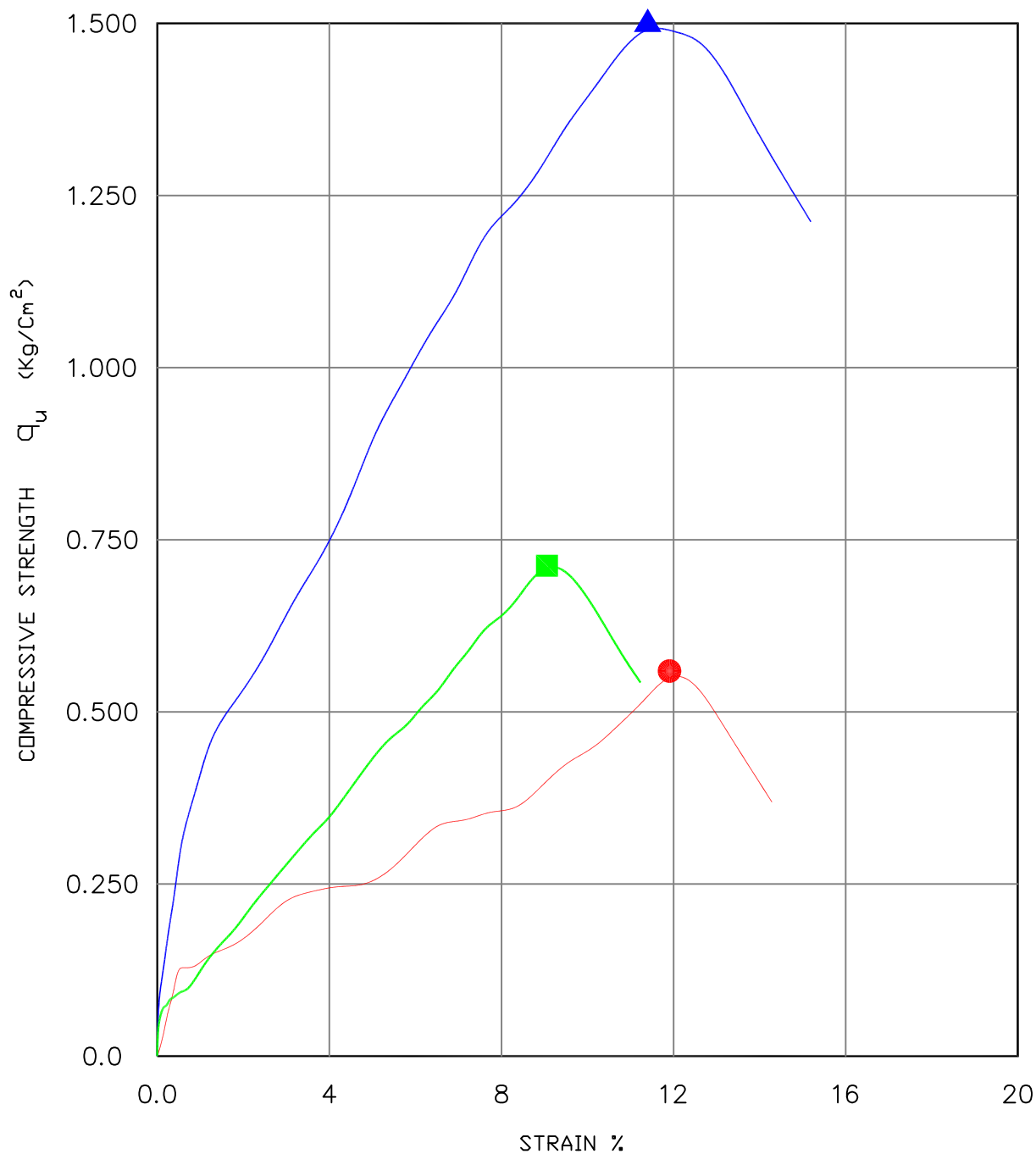


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
89

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-354	U02	7.50-8.00	<CL/ML>	Undisturbed	25	1.61	0.56
▲	BH-354	U04	13.50-14.00	<CL/ML>	Undisturbed	25	1.48	1.50
■	BH-354	U05	15.50-16.00	<ML/CL-ML/CL>	Undisturbed	25	1.71	0.71

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST

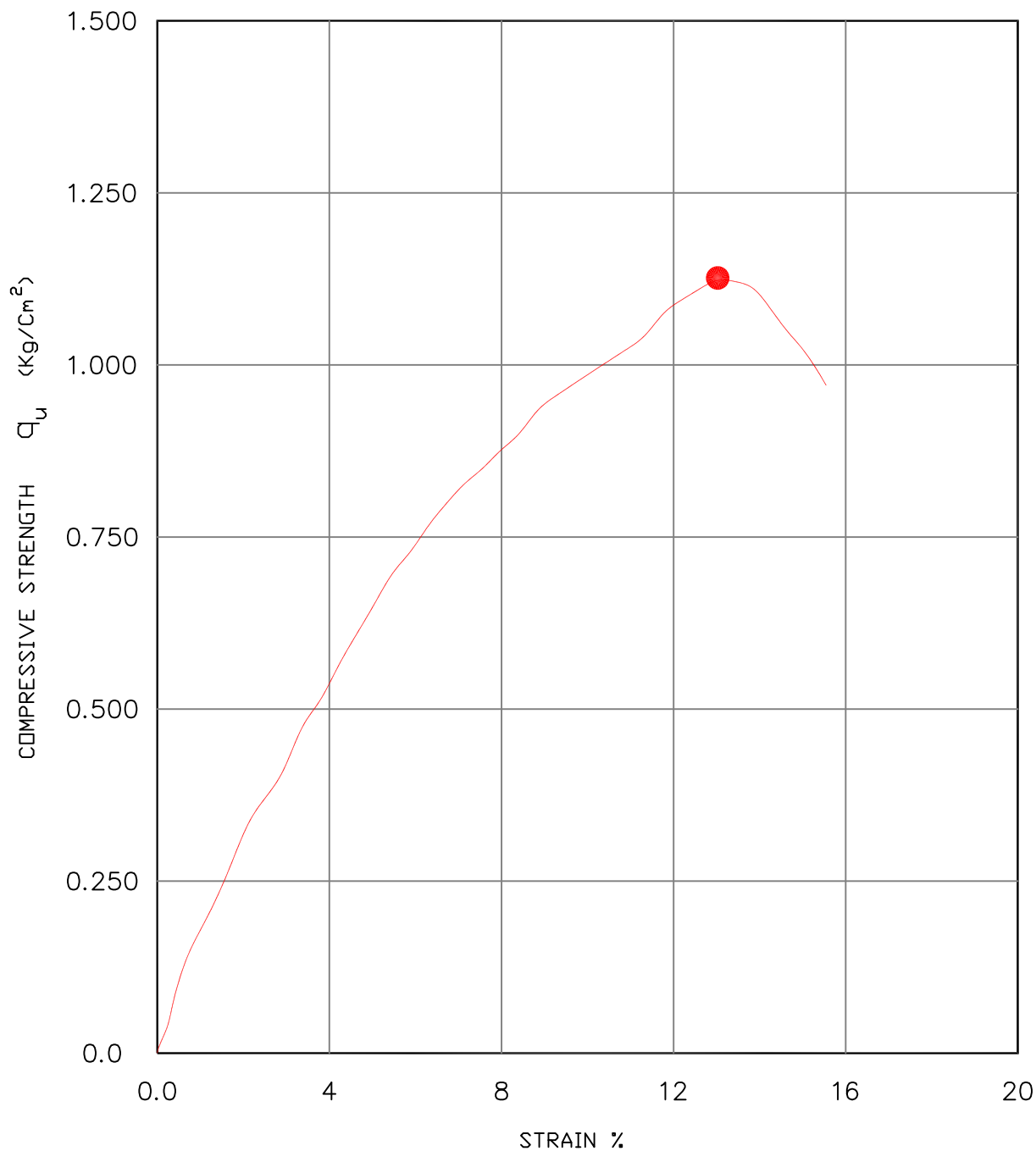


PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
90

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347



SYM-BOL	BORING No.	SAMPLE No.	SAMPLE DEPTH (M.)	SOIL / ROCK TYPE	SAMPLE TYPE	MOISTURE CONTENT (%)	DRY DENSITY (gr/Cm ³)	q_u (Kg/Cm ²)
●	BH-354	U07	19.50-20.00	<CL>	Undisturbed	25	1.58	1.13
▲								
■								

REMARKS :

UNCONFINED COMPRESSIVE STRENGTH TEST



PROJECT: SOUTH ALUMINUM SMELTER PLANT
CLIENT : NFC

FIGURE No.
91

SOIL ENGINEERING SERVICES CONSULTING ENGINEERS

PROJ. No. 1347