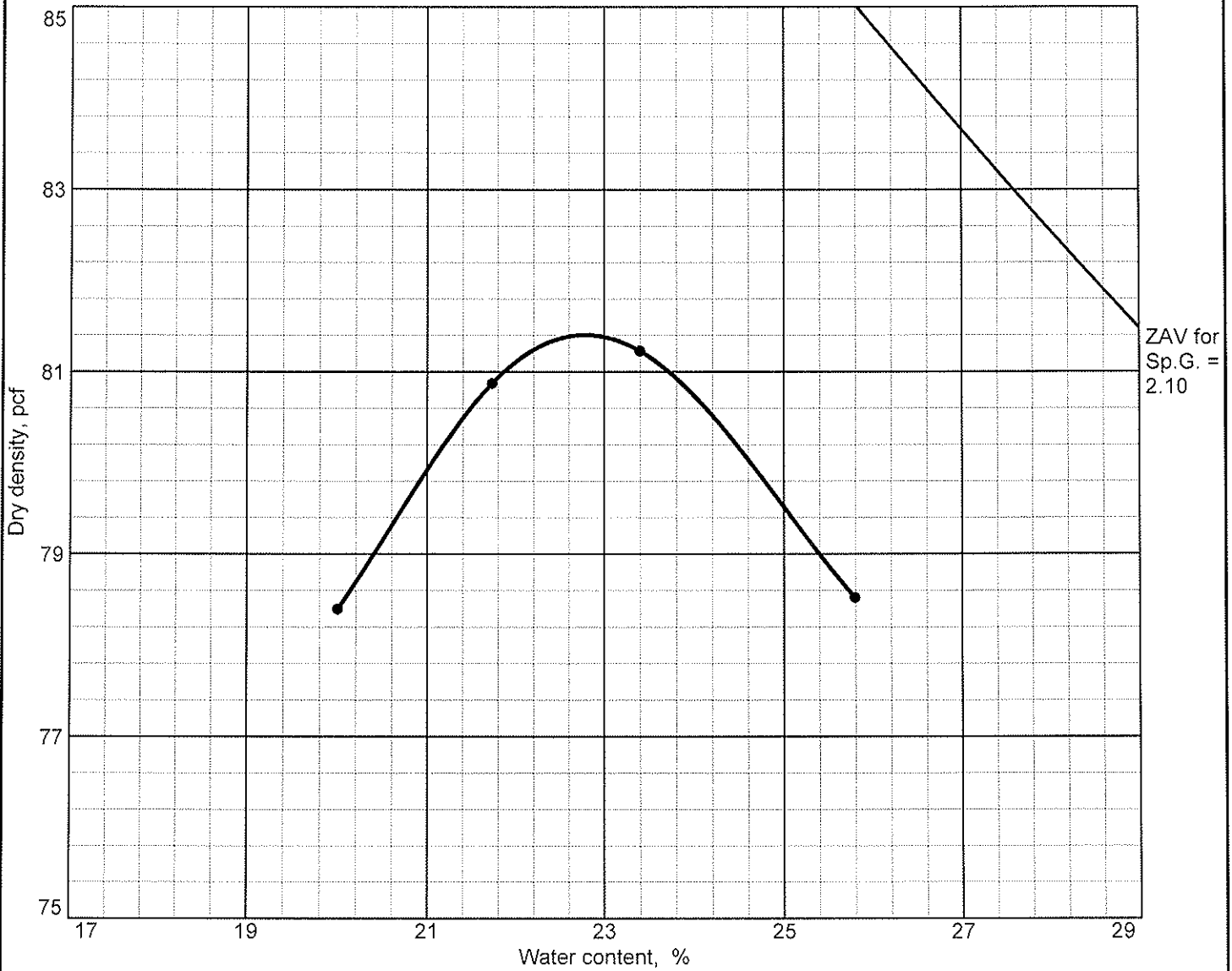


COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

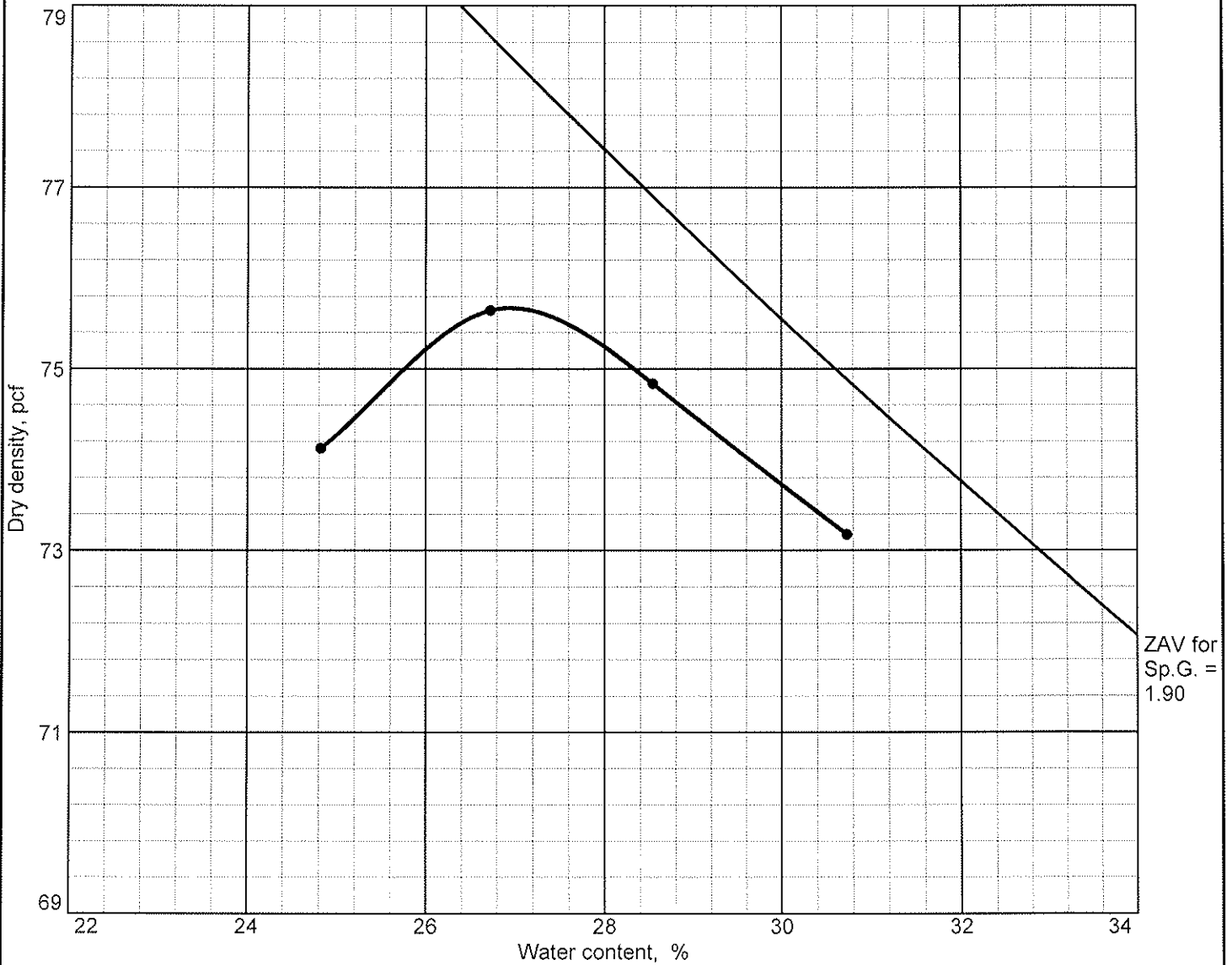
TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 81.4 pcf Optimum moisture = 22.8 %	Flyash treated with 1:100 Zycosoil, dried, proctor test performed

Project No. SL-229-08 **Client:** Hero Global
Project: Zycosoil Project
Location: Bulk Sample #2

Remarks:

Figure

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 75.7 pcf Optimum moisture = 27.0 %	Untreated Flyash Sample

Project No. SL-229-08 **Client:** Hero Global
Project: Zycosoil Project
Location: Bulk Sample #2

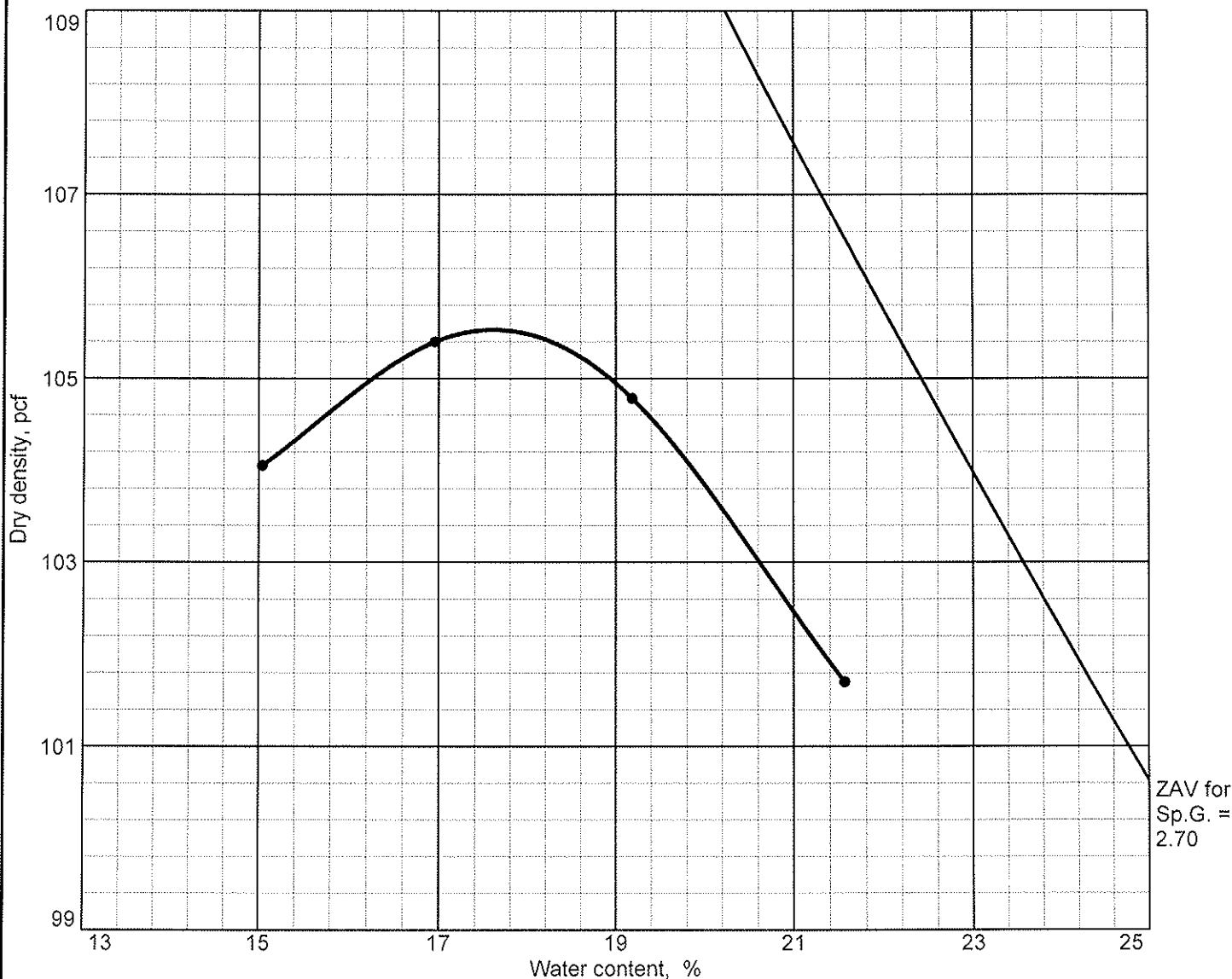
Remarks:

COMPACTION TEST REPORT

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Figure

COMPACTION TEST REPORT

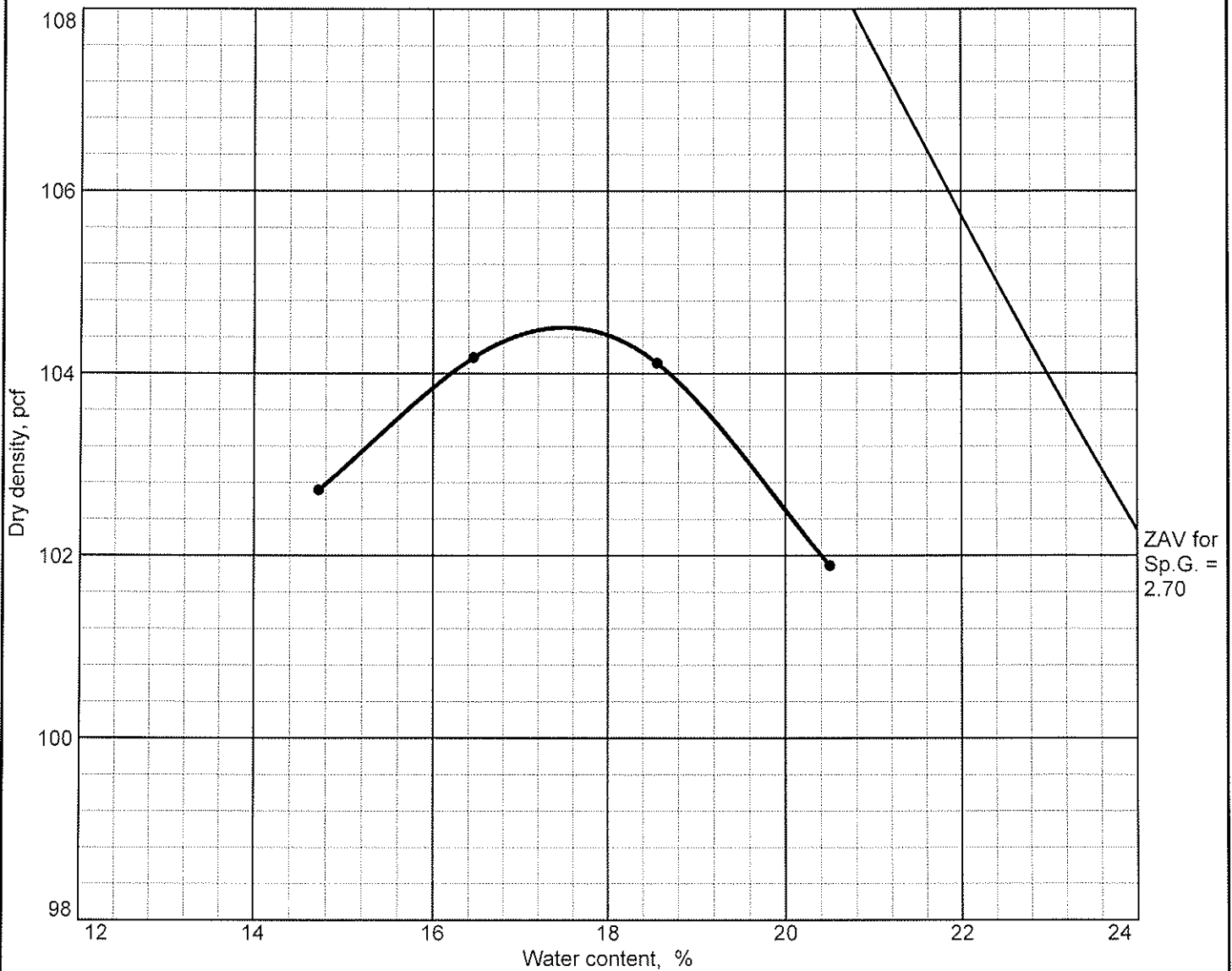


Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 105.5 pcf Optimum moisture = 17.6 %	Light-Brown Micaceous Sandy Silt
Project No. SL-229-08 Client: Hero Global Project: Zycosoil Project ● Location: Bulk Sample #1	Remarks: 1:50 Zycosil tested immediately with solution (compare to 103.5 pcf @ 17.7% untreated)
COMPACTON TEST REPORT <h2 style="margin: 0;">Summit Engineering</h2>	Figure

COMPACTION TEST REPORT

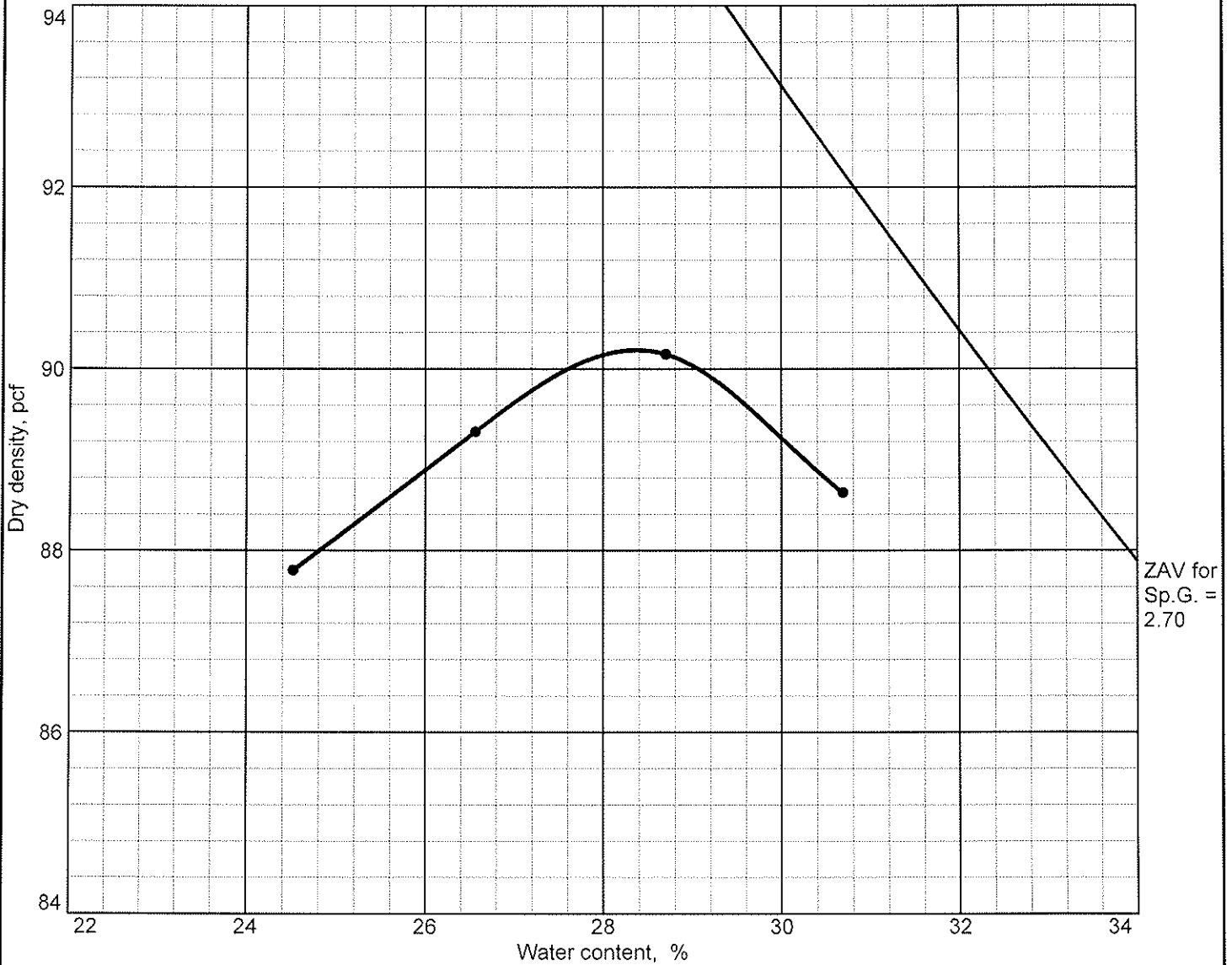


Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 104.5 pcf Optimum moisture = 17.5 %	Light-Brown Micaceous Sandy Silt with 1:50 Zycosil
Project No. SL-229-08 Client: Hero Global Project: Zycosoil Project ● Location: Bulk Sample #1	Remarks: Added 1:50 Zycosil, dried completely, performed proctor test with water (compare to 103.5 pcf @ 17.7% untreated)
COMPACTON TEST REPORT Summit Engineering	Figure

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 90.2 pcf Optimum moisture = 28.4 %	Red-Brown Elastic Silt

Project No. SL-229-08 **Client:** Hero Global
Project: Zycosoil Project
Location: Bulk Sample #3

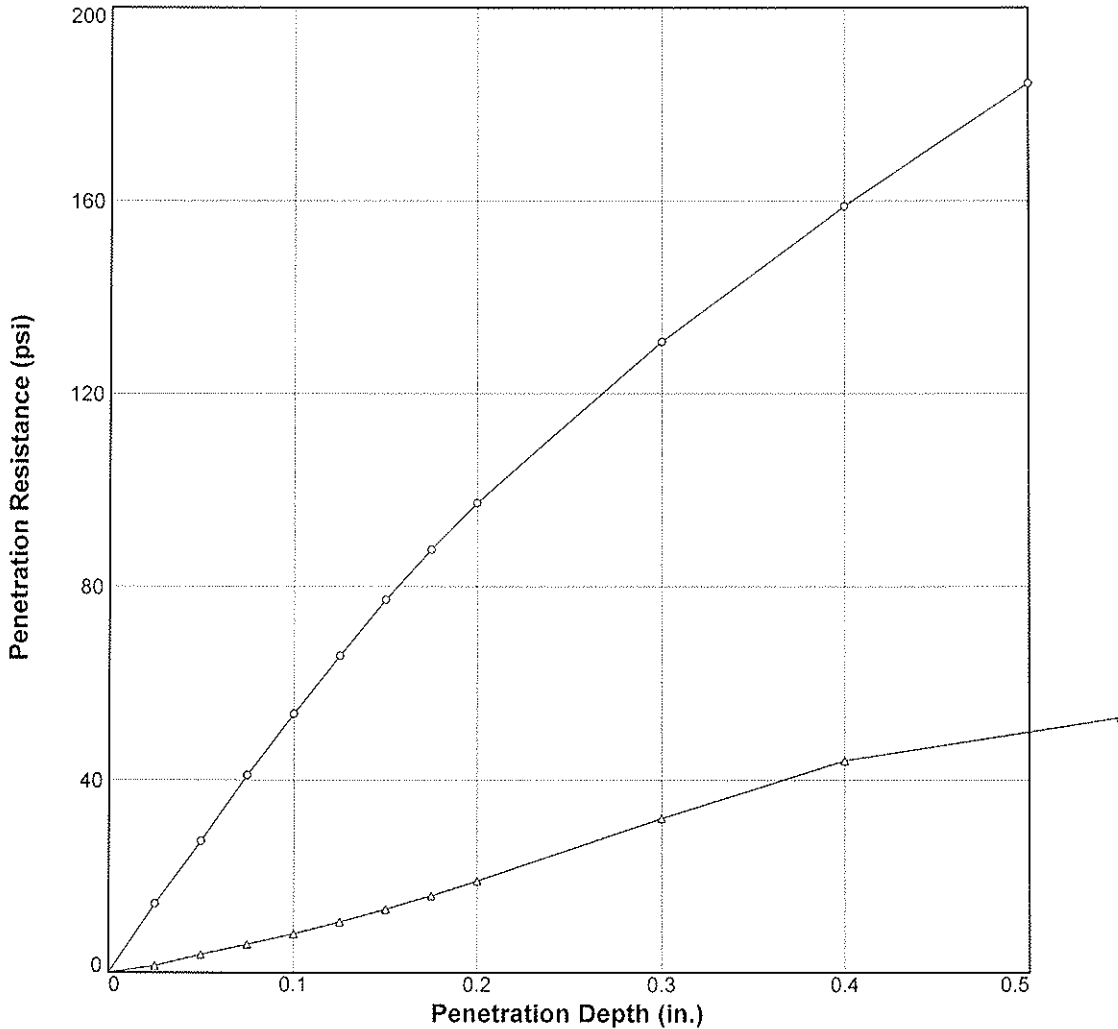
Remarks:
 Treated with 1:100 Zycosoil, dried, proctor test performed (compare to 89.0 pcf @ 28.2%)

COMPACTON TEST REPORT
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Figure

BEARING RATIO TEST REPORT

ASTM D 1883-99



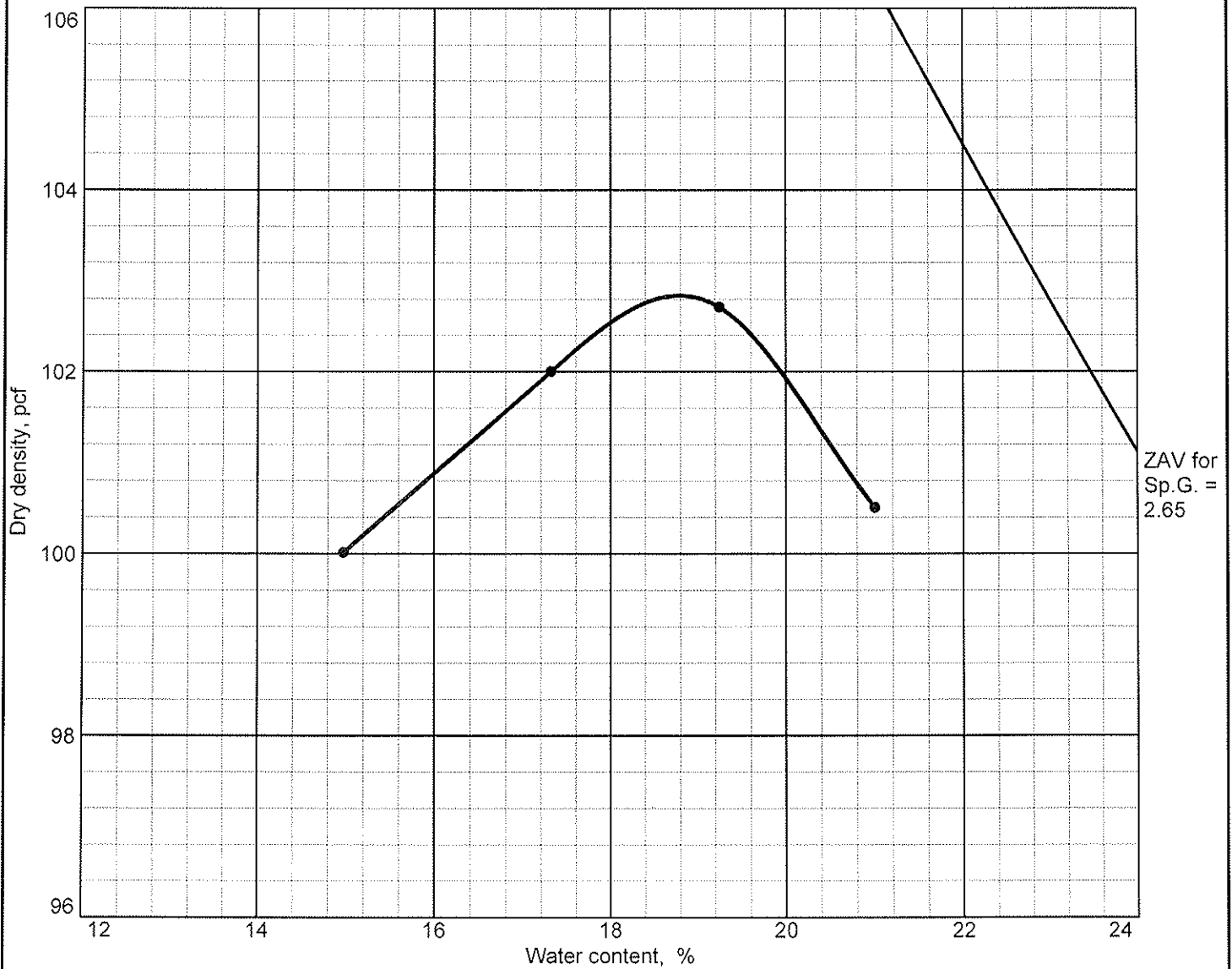
	Molded		Soaked		CBR (%)		Linearity Correction (in.)	Surcharge (lbs.)	Max. Swell (%)
	Dry Density (pcf)	Moisture (%)	Dry Density (pcf)	Moisture (%)	0.10 in.	0.20 in.			
1 ○	99.8	19.0	99.0	23.2	5.4	6.5	0.000	10	0.8
2 △	105.2	17.1	98.8	21.7	0.9	1.4	0.010	10	6.5
3 □									

Material Description	USCS	Max. Dens. (pcf)	Optimum Moisture (%)	LL	PI
Untreated soil compared to treated soil with 1:100 Zycosoil					

Project No: SL-229-08
Project: Zycosoil Project
Location: Bulk Sample #4 - CBR Study
Date: 07-10-08

Test Description/Remarks:
 Treated sample - specimen #1.
 Sample was treated with Zycosoil, dried, then adjusted to optimum

COMPACTION TEST REPORT

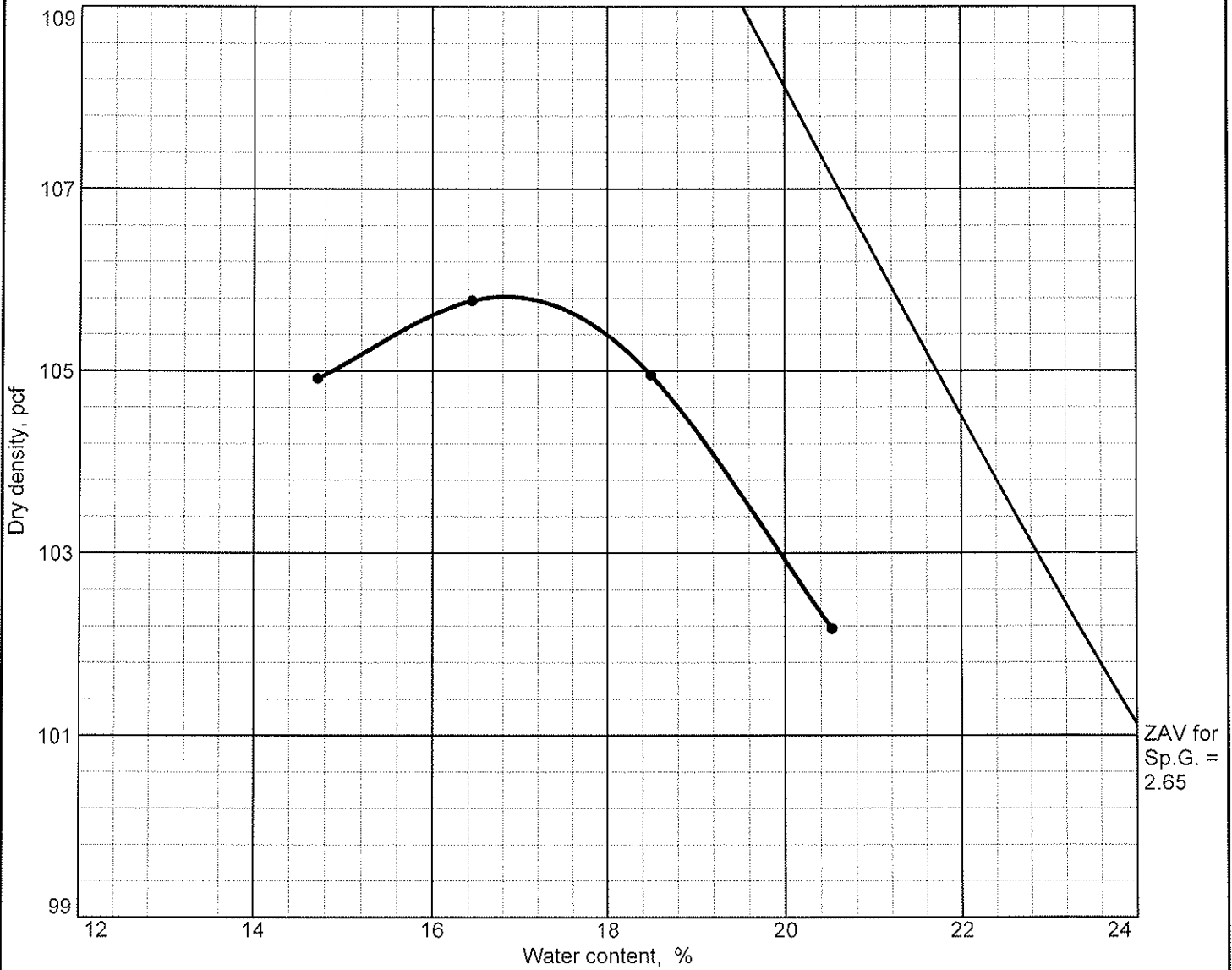


Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 102.8 pcf Optimum moisture = 18.8 %	Brown Very Micaceous Silty Sand
Project No. SL-229-08 Client: Hero Global Project: Zycosoil Project ● Location: Bulk Sample #4	Remarks: Treated with 1:100 Zycosoil, dried, performed proctor (compare to 106.6 pcf @ 17.1%)
COMPACTON TEST REPORT Summit Engineering	Figure

COMPACTION TEST REPORT



Test specification: ASTM D 698-00a Method A Standard

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > No.4	% < No.200
	USCS	AASHTO						

TEST RESULTS	MATERIAL DESCRIPTION
Maximum dry density = 105.8 pcf Optimum moisture = 16.8 %	Brown Very Micaceous Silty Sand

Project No. SL-229-08 **Client:** Hero Global
Project: Zycosoil Project
Location: Bulk Sample #4

Remarks:
 Added 1:100 Zycosoil to dry soil sample and performed proctor with solution (compare to 106.6 pcf @ 17.1%)

COMPACTON TEST REPORT
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