

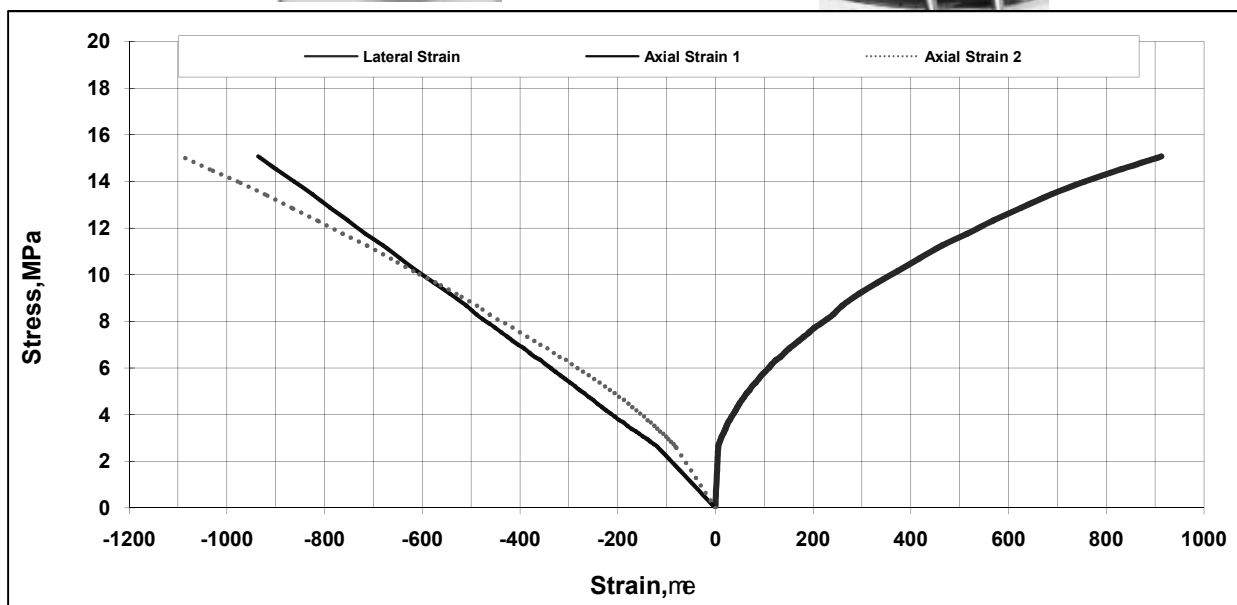
REPORT
of
Elastic Moduli of Intact Core Specimens in Uniaxial Compression
ASTM D 7012, Method D

Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4941
Borehole: H
Depth, m: 12.00 - 12.15
Sample : H-1
Issue Date: 19.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2164	95.6	53.4	33.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	15.0	18.7	16.9
Poisson's ratio, ν	0.37	-	0.37



Lab.Eng.: E.Shpigelman, S.Shulov

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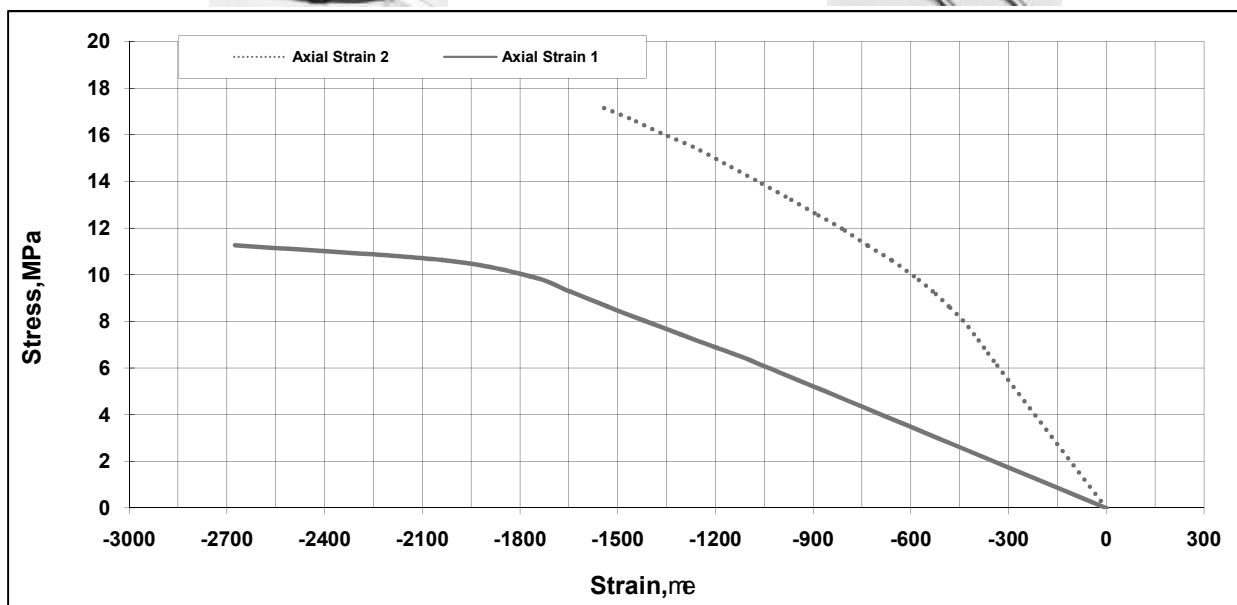
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4942
Borehole: H
Depth, m: 12.15 - 13.30
Sample : H-2
Issue Date: 19.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2164	92.7	53.3	38.6

Strain Gage Number	1	2	Average
Young's modulus, GPa	5.3	14.8	10.1
Poisson's ratio, ν	-	-	-



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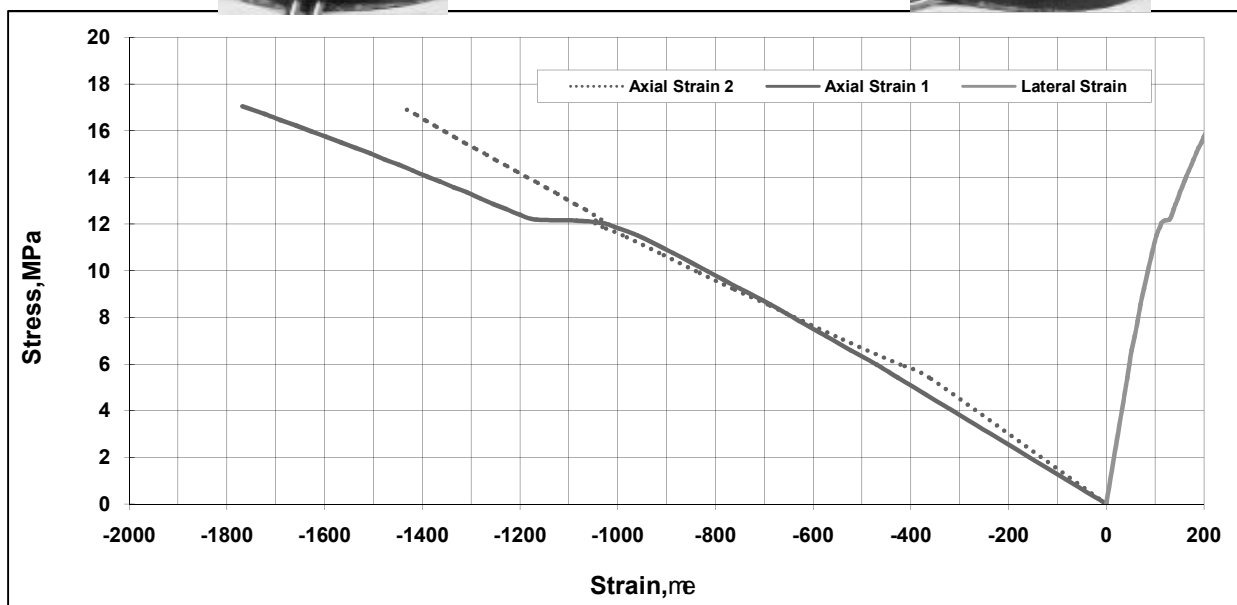
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4943
Borehole: H
Depth, m: 12.30 - 12.40
Sample : H-3
Issue Date: 19.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2187	94.3	53.0	44.5

Strain Gage Number	1	2	Average
Young's modulus, GPa	11.3	9.8	10.5
Poisson's ratio, n	0.11	-	0.11



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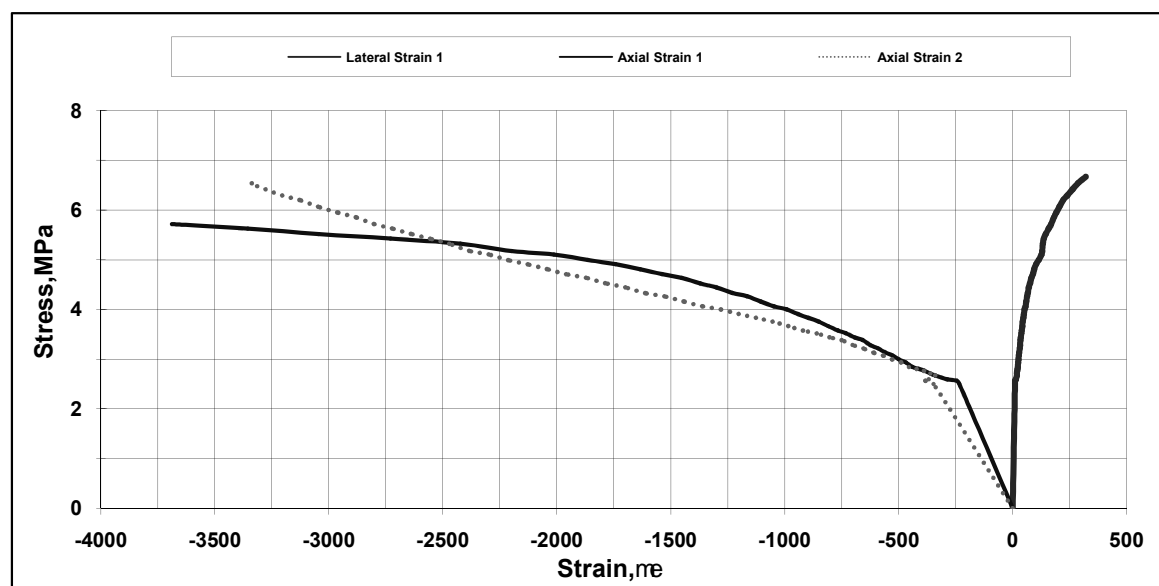
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ASTM D 7012, Method D

Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4944
Borehole: H
Depth, m: 14.00 - 14.15
Sample : H-4
Issue Date: 19.12.2018

Dry Density, kg/m3	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2291	96.7	51.3	13.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	1.6	1.3	1.5
Poisson's ratio, n	0.06	-	0.06



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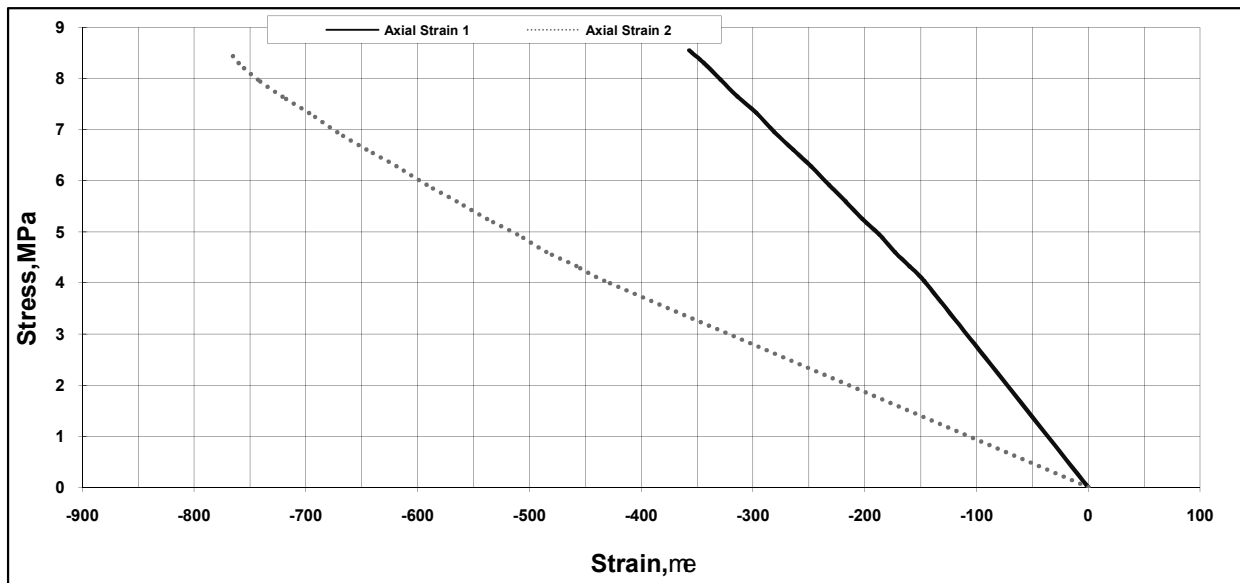
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Elastic Moduli of Intact Core Specimens in Uniaxial Compression
ASTM D 7012, Method D

Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4945
Borehole: H
Depth, m: 14.20 - 14.35
Sample : H-5
Issue Date: 19.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2191	96.5	51.4	17.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	21.6	12.9	17.2
Poisson's ratio, n	-	-	-



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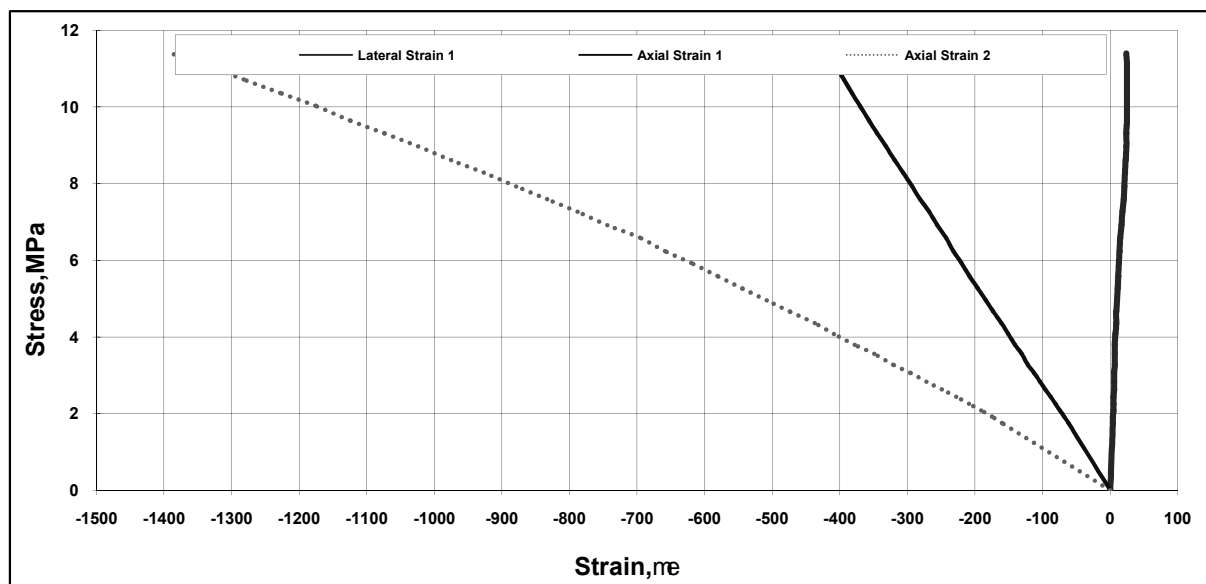
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4946
Borehole: G
Depth, m: 18.00 - 18.20
Sample : G-1
Issue Date: 19.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2163	106.5	63.1	35.7

Strain Gage Number	1	2	Average
Young's modulus, GPa	27.0	7.9	17.5
Poisson's ratio, ν	0.08	-	0.08



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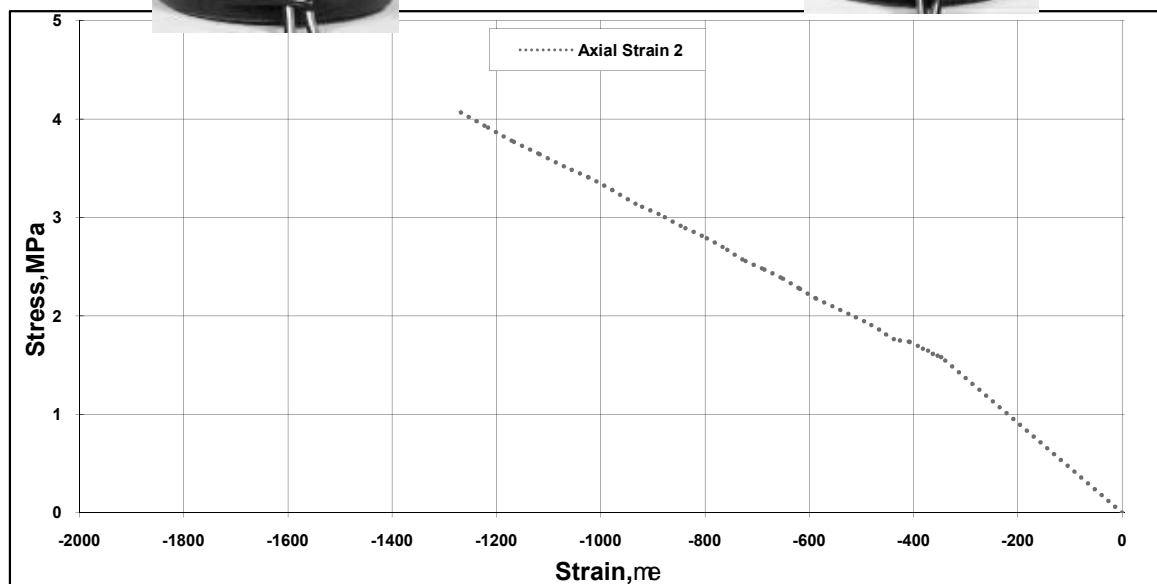
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Consultant:

Re: Un-4947
Borehole: G
Depth, m: 18.20 - 18.40
G-2
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
1975	105.7	63.1	35.9

Strain Gage Number	1	2	Average
Young's modulus, GPa	25.8		25.8
Poisson's ratio, ν	0.04		0.04



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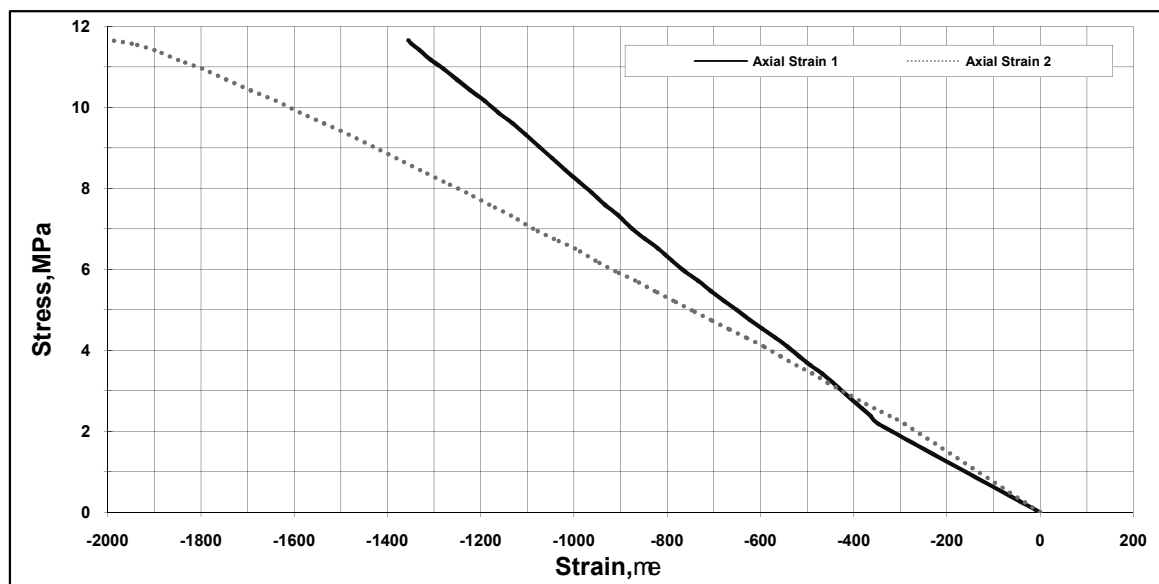
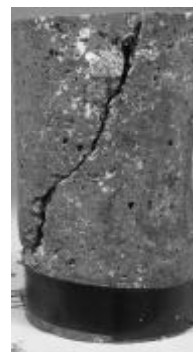
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4948
Borehole: G
Depth, m: 18.40 - 18.60
Sample : G-3
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2069	118.3	63.2	36.7

Strain Gage Number	1	2	Average
Young's modulus, GPa	9.7	5.9	7.8
Poisson's ratio, ν	-	-	-



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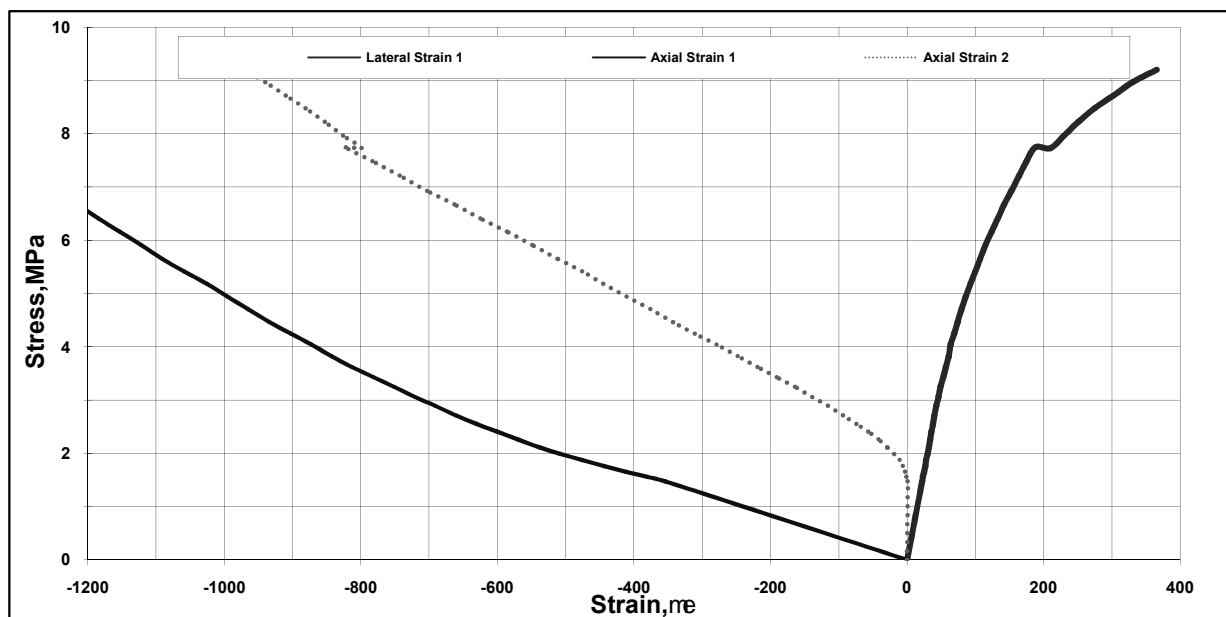
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ASTM D 7012, Method D

Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4949
Borehole: G
Depth, m: 18.60 - 18.80
Sample : G-4
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2114	125.4	63.1	28.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	5.8	7.0	6.4
Poisson's ratio, ν	0.11		0.11



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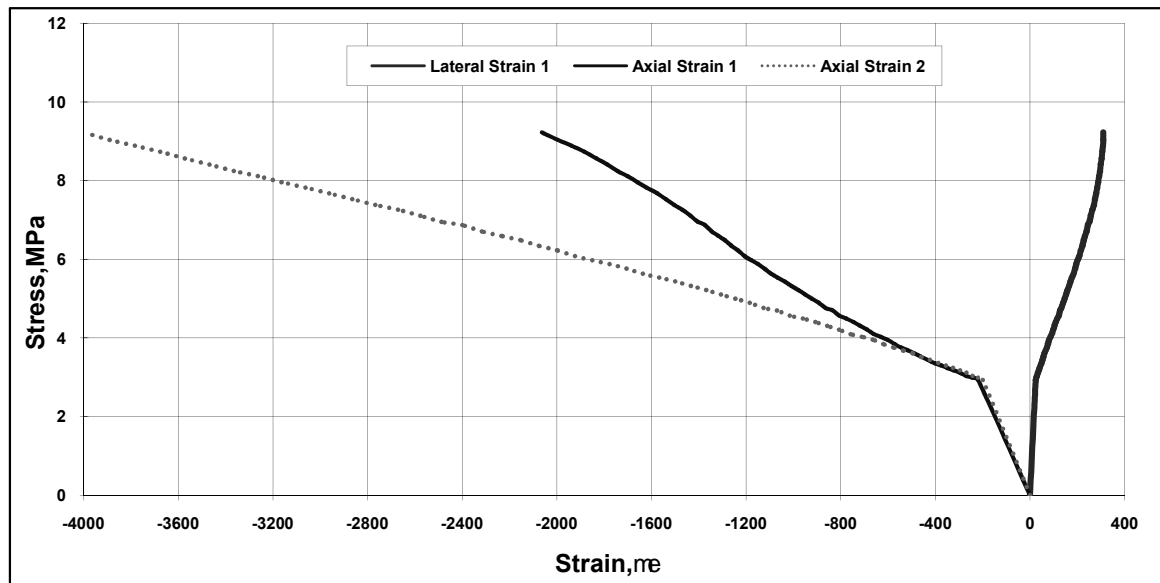
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ASTM D 7012, Method D

Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4950
Borehole: G
Depth, m: 18.80 - 19.00
Sample : G-5
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2147	125.4	63.1	28.9

Strain Gage Number	1	2	Average
Young's modulus, GPa	3.3	1.8	2.6
Poisson's ratio, ν	0.19	-	0.19



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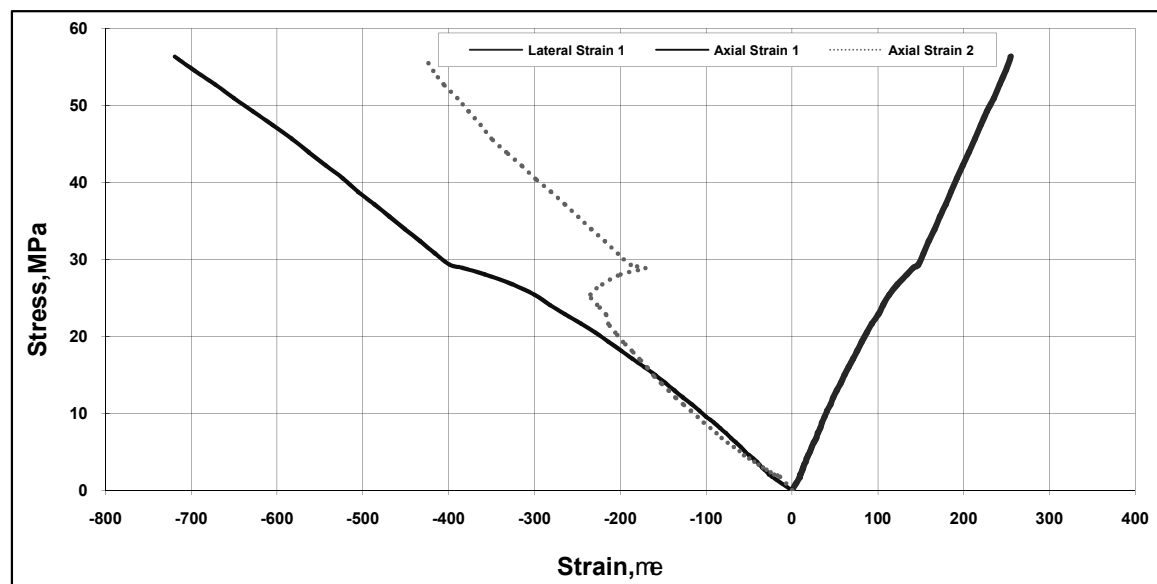
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4951
Borehole: G
Depth, m: 35.50 - 35.80
Sample : G-6
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2893	125.5	63.4	177.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	98.4	90.1	97.1
Poisson's ratio, ν	0.34		0.34



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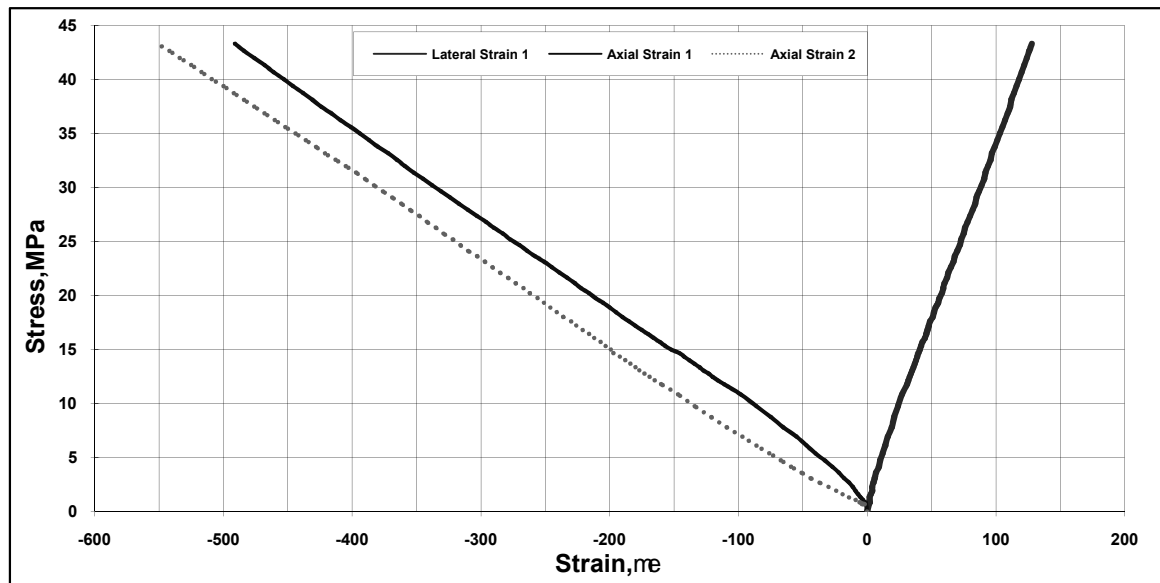
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4952
Borehole: G
Depth, m: 36.50 - 36.70
Sample : G-7
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2887	125.6	63.2	135.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	81.9	81.6	81.8
Poisson's ratio, ν	0.25		0.25



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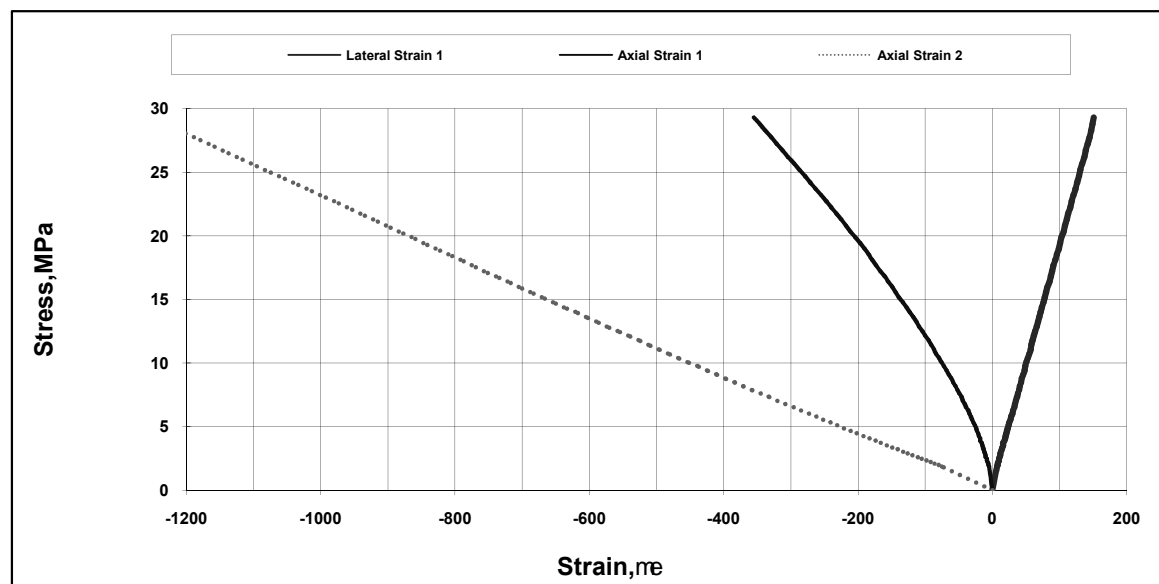
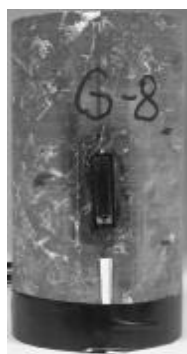
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4953
Borehole: G
Depth, m: 40.50 - 40.65
Sample : G-8
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2423	125.3	63.5	92.8

Strain Gage Number	1	2	Average
Young's modulus, GPa	68.1	24.1	46.1
Poisson's ratio, ν	0.36		0.36



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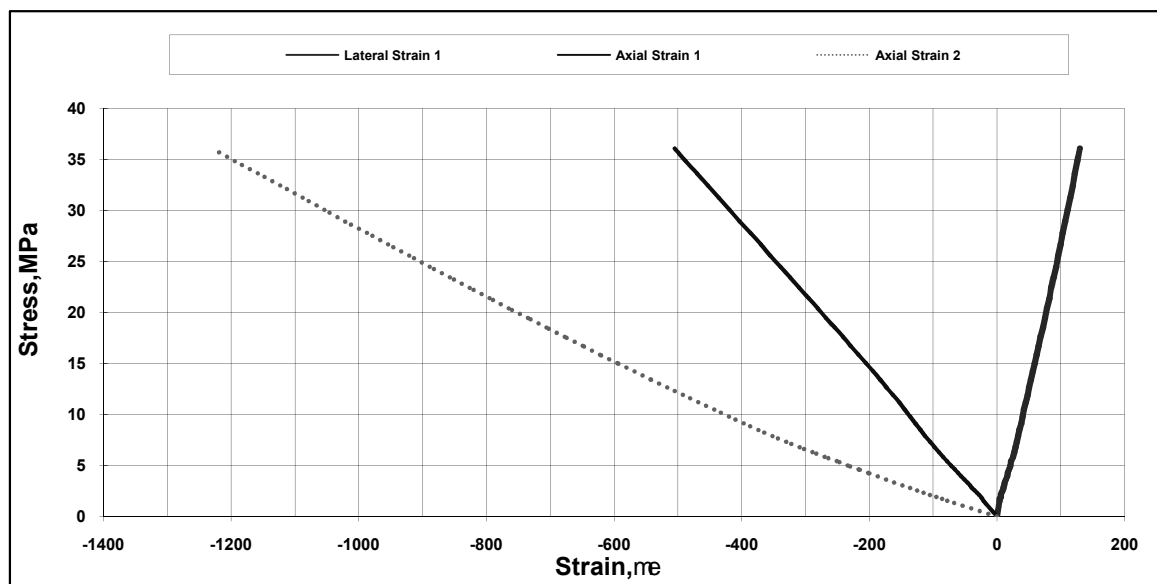
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Work No: 12206
Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4954
Borehole: G
Depth, m: 40.65 - 40.85
Sample : G-9
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2619	126.3	63.5	114.3

Strain Gage Number	1	2	Average
Young's modulus, GPa	70.0	33.6	51.8
Poisson's ratio, ν	0.23		0.23



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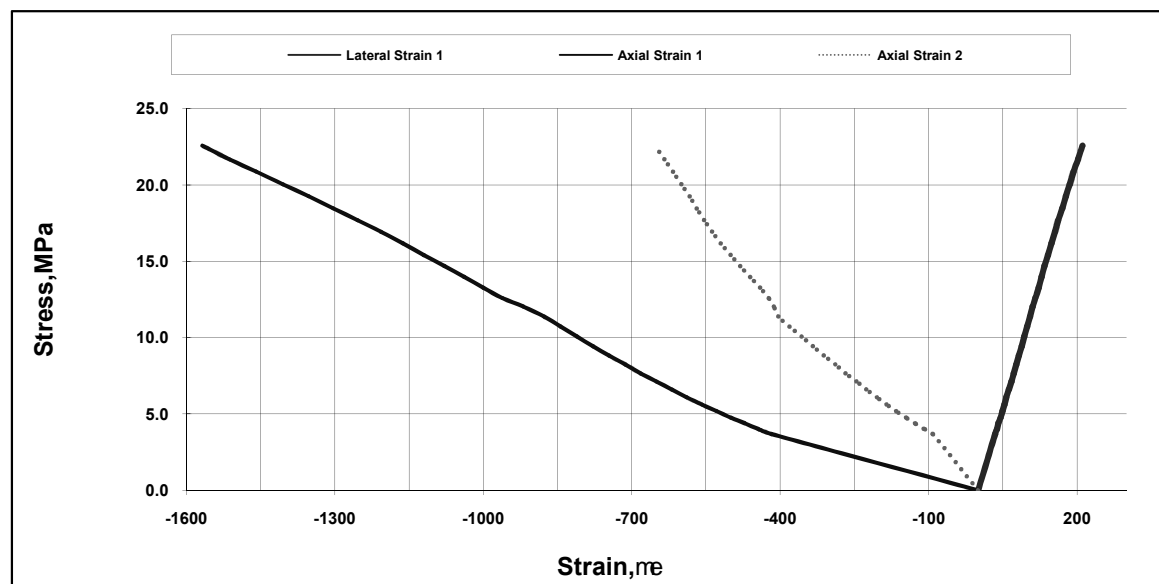
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Contract No: 556244
Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4955
Borehole: G
Depth, m: 40.85 - 41.00
Sample : G-10
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2482	126.3	63.3	71.0

Strain Gage Number	1	2	Average
Young's modulus, GPa	17.5	43.3	30.4
Poisson's ratio, ν	0.16		0.16



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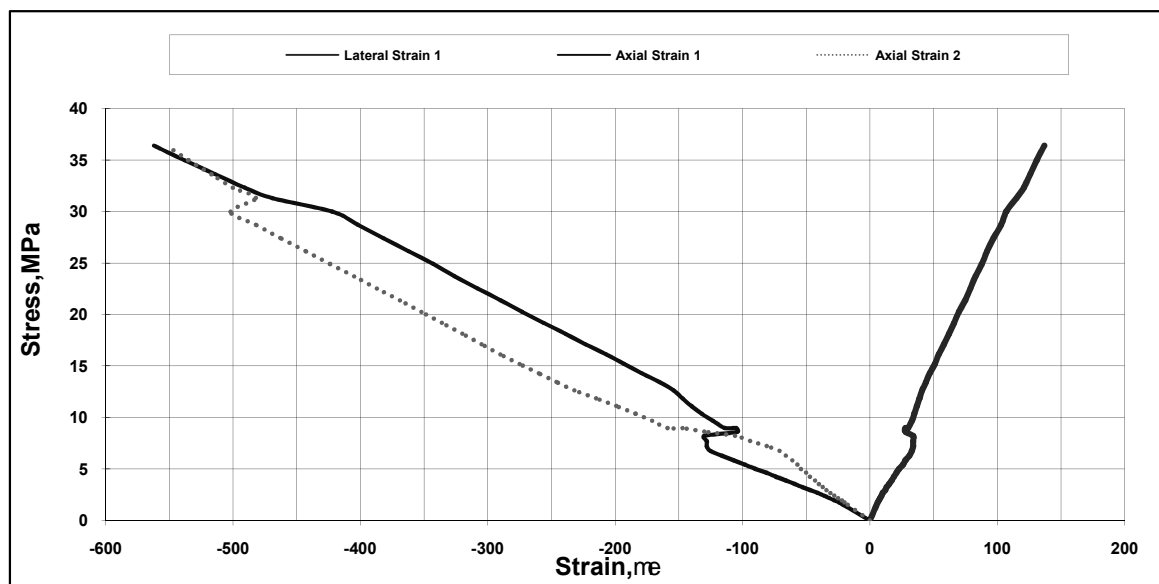
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Project: KHPSP
Client: SHC / Mivdaka
Work Order : 800

Re: Un-4956
Borehole: G
Depth, m: 47.40 - 47.55
Sample : G-11
Issue Date: 20.12.2018

Dry Density, kg/m ³	Average Height, mm	Diameter, mm	Maximum Axial Force (applied), kN
2745	112.1	63.3	114.6

Strain Gage Number	1	2	Average
Young's modulus, GPa	55.5	52.7	54.1
Poisson's ratio, ν	0.24		0.24



Lab.Eng.: E.Shpigelman, S.Shulov

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