ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	~~12~~ 13 July 18 (~~Thursday~~ Friday)
PROJECT:	Elmira High School Elmira, NY IRM2	ATL REPRESENTATIVE:	T. Cleary
		DISPATCH NO.:	~~6474~~ 6991

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/~~CPN/InstroTek~~		
Gauge Model No.:	3411B/~~3430/3440/MC-1/MC-3/Xplorer 3500~~	Moisture Standard:	~~654~~ 655
Gauge Serial No.:	13576	Density Standard:	~~1758~~ 1741

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
Reuse Fill 1	7-27-17	D-698 / D-1557	7.1	131.4	Dark Brown Clay w/ Rock (Note 2)

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed as subgrade material in Rear Parking Lot work area	95
2		

Test Group Location: (overall location) Rear Parking Lot Rehab - Phase 1

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	(Note 3) Proctor Number	Spec No.	Percent Proctor Density
ORM1-01	Phase 1 West Quadrant (4'E of W Corner of School)	1st Lift	122.2	10.2	110.8	Reuse Fill 1	1	84
ORM1-02	Phase 1, West Quad (18'E of W Corner of School)	↓	135.8	7.1	126.7	↓	↓	96
ORM1-03	Phase 1, West Central Quadrant (55'E of W Corner of School)	↓	135.4	9.2	124.0	↓	↓	94
ORM1-04	Phase 1, West Central Quadrant (60'E of W Corner of School)	2nd Lift	138.7	8.1	128.2	↓	↓	98

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. Jim Burnett ~~Mrs.(Individual's name)~~, representing (Name of company). Geosyntec
2. Proctor used is temporary while samples collected 10 July 18 are in progress
3. Material used as backfill primarily pulled from samples ORM1-2018-03 + ORM1-2018-04
4. _____

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Geosyntec Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech and Bonaparte
PROJECT: Elmira HS IRM2

DATE: Friday, 13 July 2018 ( )
ATL REPRESENTATIVE: T. Cleary

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-05	West Quadrant, Phase I (30' E of W Corner of School)	2nd Lift	137.9	9.9	125.4			95
IRM1-06	West Central Quadrant, Phase I (65' E of W Corner)	3rd Lift	135.3	10.0	122.9			94
IRM1-07	West Quadrant, Phase I (3' E of W Corner of School)	〃	135.4	9.5	123.5			94
IRM1-08	West Quadrant, Phase I (15' E of W Corner)	4th Lift	135.0	10.4	122.3			93
IRM1-09	West Quadrant, Phase I (6' E of W Corner)	〃	136.6	9.8	124.4			95
IRM1-10	West Central Quadrant, Phase I (55' E of W Corner)	〃	138.4	10.2	125.6			96

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School
Elmira, NH IRM 2

DATE: 14 July 18 (Sat)
ATL REPRESENTATIVE: T. Cleary
DISPATCH NO.: 7012

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler ~~CPN/InstroTek~~
Gauge Model No.: 3411B ~~3430/3440/MC-1/MC-3/Xplorer 3500~~
Gauge Serial No.: 13576

Moisture Standard: 655
Density Standard: 1741

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
Reuse Fill 1	7-27-17	D-698 / D-1557	7.1	131.4	Dark Brown Clay & Rock (Note 2)

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed & compacted as subgrade in Rear Parking Lot area	95
2		

Test Group Location: (overall location) Phase 1 excavation

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-#1	West Central Quadrant, Phase 1 (55'E of W Corner of school)	5th Lift	137.7	10.0	125.1			95 (Note 3)
IRM1-#2	West Quadrant, Phase 1 (2'W of W Corner)	↓	138.4	9.8	125.9			96 (3)
IRM1-#3	West Central Quadrant, Phase 1 (60'E of West Corner)	6th Lift	136.1	9.3	124.5			95
IRM1-#4	West Quadrant, Phase 1 (8'E of W Corner)	↓	135.5	8.8	124.6			95 (3)

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. J. Bennett Mrs.(Individual's name), representing ~~(Name of company)~~ Geosynthetic
2. Proctor from last year's work not necessarily representative of material placed; samples collected 10 July 18 for proctor
3. Testing done @ 10" rather than 12"

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: J. Bennett Geosynthetic Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beach and Bodyparts
PROJECT: Elmira HS ERM2

DATE: 14 July 2018 (Saturday)
ATL REPRESENTATIVE: T. Cleary

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
ERM1-#5	West Central Quadrant, Phase I (75' E of W Corner of School)	7th Lift	140.7	9.1	128.9			98 (3)
ERM1-#6	West Quadrant, Phase I (1' E of W Corner of School)	6	138.0	10.0	125.5			96 (3)

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School IRM 2
DATE: 7/18/18 (Sunday)
ATL REPRESENTATIVE: D. Tyler JR
DISPATCH NO.: 7013

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek
Gauge Model No.: ~~3411B~~/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13718
Moisture Standard: 598
Density Standard: 1809

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☑ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
Backfill 3	7/19/17	D-698 / D-1557	5.4%	141.9	Brown Sand Gravel Stone.

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp % .
1	Placed as Subgrade in Rear parking lot work area.	95
2		

Test Group Location: (overall location) Rear parking lot Rehab phase 1

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill-01 ~~ERM-2-01~~	East Center Quarter (Phase 1) (5'E of w corner of School) 8"	Lift 8		4.9%	140.6	Backfill 3	1	99
Imp Fill-02 ~~ERM-2-02~~	West Quarter Phase 1 (9'E of w corner of School) 10"	↓		5.2%	140.4	↓	↓	99
Imp Fill-03 ~~ERM-2-03~~	West Quarter Phase 1 (11'E of w corner of School) 10"	Lift 9	152.6	5.5%	144.5	↓	↓	101.8
Imp Fill-04 ~~ERM-2-04~~	west Center Quarter Phase 1 12" (27' E of w corner of School)	Lift 9	149.2	5.0%	142.0	↓	↓	100.0

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. /Jim Burnett Mrs.(Individual's name), representing (Name of company). GeoSynTec.
2. Proctor used is temporary while Samples collected (0 July 2018 are in progress
3. material used as Backfill primarily pulled from Samples ORM-1-2018-03 & ORM-2018-04
4. _____

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett GeoSynTec Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.: Beech and Bonaparte Eng. DATE: 7/15/18 (Sunday)
CLIENT:
PROJECT: Elmira High School. IRM12 ATL REPRESENTATIVE: Denver Tyler JR
Page 2 of 2

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear Parking lot

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp #11-05	East center Quarter Phase 1 12" (65'E of w Bldg corner)	10th Lift	147.9	4.6%	141.3	Backfill 3.	1	94.6
Imp #11-06	west Quarter Phase 1 12" (40'E of w Bldg Corner)	"	152.6	4.2%	146.4	"	"	103.2
Imp #11-07	East center Quarter Phase 1 12" (70'E of w Bldg corner)	11th Lift	148.9	5.7%	140.8	"	"	99.2
Imp #11-08	westcenter Quarter Phase 1 12" (55'E of w Bldg corner)	"	150.5	5.5%	142.6	"	"	100.5

Acknowledged by: _____ # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT: Beech and Bonaparte Engineering, P.C. DATE: 7-16-18 (monday)

PROJECT: Elmira High School IRM 2 ATL REPRESENTATIVE: Denver Tyler JR

DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/CPN/InstroTek		
Gauge Model No.:	3411B/(3430)/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	626
Gauge Serial No.:	30196	Density Standard:	1655

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
Reuse fill 1	7-27-17	(D-698)/ D-1557	7.1	131.4	Dark Brown clay. w/ Rock (note 2))

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	placed as Subgrade material in Rear parking lot work Area	95
2		

Test Group Location: (overall location) Rear parking lot Rehab (Phase 1) Southern Side.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM-1 -21	west center Quarter (Phase 1) 8" (55' E of w corner Bldg)	8th Lift	138.9	10.9%	122.5	Reuse fill 1	1	93.3%
IRM-1 -22	west Quarter Phase 1 10" (0' E of w corner Bldg)	1	137.8	8.8%	126.7	1	1	96.4%
IRM-1 -23	west Quarter Phase 1 12" (12.5' E of w Bldg corner)	9th Lift	137.1	8.2%	126.7	1	1	96.4%
IRM1 -24	West Center Quarter Phase 1 (22" (60' E of w Bldg corner)	1	132.8	6.5%	124.6	1	1	95%

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Jim Burnett Mrs (Individual's name), representing (Name of company). Geo Syntec
2. Proctor used is temporary while Samples collected 10 July 2018 core in Progress
3. material used as Backfill primarily pulled from Samples ORM-1-2018-03 & ORM-1-2018-04
4. _____

(Individual's name) _____, representing (Name of company_____.

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Geosynte Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School IRM 2
DATE: 7/21/18 (Saturday.)
ATL REPRESENTATIVE: Denver Tyler JR
DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: ~~Troxler~~/CPN/InstroTek
Gauge Model No.: ~~3411B~~/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13718
Moisture Standard: 596
Density Standard: 1807

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
Reuse Fill 1	7-27-17	D-698 / D-1557	7.1%	131.4	Dark Brown Clay w/ Rock (note 2)

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed as Subgrade material in Rear Parking lot work Area	95%
2		

Test Group Location: (overall location) Rear parking lot Rehab Phase 2 + 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1 -25	NE Corner of Phase 2 west 1/4 10"	Lift 1	135.5	6.9%	126.7	Reuse fill 1	1	96.4
IRM1 -26	Center of Phase 3 N 1/3 W 1/4 10"	"	139.5	8.9%	128.4	"	"	97.5
IRM1 -27	W Corner of Phase 3 Center 1/3 W 1/4 6"	"	136.2	8.6%	125.5	"	"	95.5

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company). Jim Burnett Geo Syntec
2. proctor used is temporary while Samples collected to July 2018 are in progress
3. material used as back fill primarily pulled from Samples IRM1 2018-03 + IRM1-2018-04
4. _____

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett, GeoSyntec Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.

PROJECT: Elmira High School IRM2

DATE: Friday 7/27/18 (Fridays)

ATL REPRESENTATIVE: Donner Tyler Sr

DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek

Gauge Model No.: 3411B/3430/3440/MC-1/MC-3/Xplorer 3500

Gauge Serial No.: 37710

Moisture Standard: 595

Density Standard: 1298

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
ET311351	7/10/18	D-698 / D-1557	7.7%	130.0	Dark Brown Native Material

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed as Subgrade in Rear parking lot w/a	95%
2		

Test Group Location: (overall location) Rear Parking Lot Rehab Phase 2+3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-28	Phase 2 W1/4 10" Lift 8		138.2	10.0	125.5	ET311351	1	96.6%
IRM1-29	Phase 3 N1/3 W1/4 12"		139.7	9.2	127.9			98.4%
IRM1-30	Phase 3 Center 1/3 W1/4 8"		141.6	10.1	128.5			98.8%
IRM1-31	Phase 2 west center 1/4 Between utilities 10"		131.7	10.7	118.9			91.5%

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes (No)

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. material used primarily pulled from Samples IRM1-2018-03 + IRM1-2018-04
3.
4.

(Individual's name) Ashwin Ramna, representing (Name of company Geosynted Assoc for Engs.) was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Ashwin Ramna Geosynted # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Geosyntec Consultants
PROJECT: Elmira High School IRM2

DATE: Friday 27 July 2018 (Friday)
ATL REPRESENTATIVE: Denver Tyler Jr.

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-32	Retest of IRM1-31 10"	8th Lift	137.2	10.9	123.6	ET311351	1	95.1
IRM1-33	Phase 2 W1/4 10"	9th Lift	141.2	10.9	127.3	ET3113 81		97.9
IRM1-34	Phase 3 N1/3 W1/4 10"		139.5	11.4	125.1			96.2
IRM1-35	~~Phase 3 Control 1/3 W/4 10"~~							

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT: Beech and Bonaparte Engineering, P.C. DATE: 7/28/18 (Saturday.)

PROJECT: Elmira High School IRM 2. ATL REPRESENTATIVE: Denver Tyler JR

DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	(Troxler)/CPN/InstroTek		
Gauge Model No.:	3411B/3430/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	599
Gauge Serial No.:	18718	Density Standard:	1803.

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
ET3113S1	7/10/18	(D-698) / D-1557	7.7%	130.0	Dark Brown Native Material

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed as Subgrade ~~Rear~~ in Rear Parking Area. w/a.	95%
2		

Test Group Location: (overall location) Rear parking lot Rehab Phase 2+3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-35	Phase 3 Central 1/3 W 1/4 12"	Lift 9.	140.4	13.5	123.6	ET3113S1	1	95.0
IRM1-36	Phase2 W 1/4 6" Between Utility lines	Lift #2	133.6	8.6	123.1			~~95.6~~ 94.8
IRM1-37	Phase 2 E. center 1/4 6" Between Utility lines.	Lift #2	136.2	8.2%	125.8			96.8
IRM1-38	Phase 2 E. center 1/4 10" Between Utility lines.	Lift #3	134.4	9.0%	123.2			94.8

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. material used primarily pulled from Samples IRM1-2018-03 + IRM1-2018-04
3.
4.

(Individual's name) Alwin Ranney, representing (Name of company Geosynt-ec, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Geosynke Consultants
PROJECT: Elmira High School IRM2

DATE: 28 July 2018 (Saturday)
ATL REPRESENTATIVE: Denver Tyler

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-39	Phase 2 W 1/4 10" Between utility lines	Lift 3	135.0	9.6	123.2	ET31351	1	94.8
IRM1-40	Phase 2 W Center 1/4 10" Between utility Lines.	Lift 3	140.1	8.9	128.6			98.9
IRM1-41	Phase 2 W 1/4 South of utilities 10"	Lift 10	139.4	10.7	125.9			96.8
IRM1-42	Phase 3 N 1/3 W 1/4 10"	Lift 10	134.6	8.9.	123.6			95.0
IRM1-43	Phase 3 Central 1/3 W 1/4 10"	Lift 10	140.2	9.3	128.2			98.6
IRM1-44	Phase 2 W 1/4 10" Between utility lines	Lift 4	138.6	8.7.	127.4			98.0
IRM1-45	Phase 2 W center 1/4 10" Between utility lines	Lift 4	136.2	8.3	125.7			96.7
IRM1-46	Phase 2 E center 1/4 10" Between utility lines	Lift 4	140.1	10.3	127.0			97.7
IRM1-47	Phase 2 W 1/4 10" Between utility lines	Lift 5	136.7	8.8	125.6			96.6
IRM1-48	Phase 2 W Center 1/4 10" Between utility lines	Lift 5	140.4.	9.4	128.3			98.7
IRM1-49	Phase 2 E Center 1/4 10" Between utility lines.	Lift 5	135.8	9.5	124.0			95.4
IRM1-50	Phase 2 W 1/4 10" South of utilities.	Lift 11	140.4	9.7	127.9			98.4
IRM1-51	Phase 3 N 1/3 W 1/4 10"	Lift 11	136.7	10.9.	123.2			94.8
IRM1-52	Phase 3 Center 1/3 W 1/4 10"	Lift 11	136.5	9.4	124.7			95.9
IRM1-53	Phase 2 W Center 1/4 10" Between utility lines.	Lift 6	138.4	8.5	127.6			98.1
IRM1-54	Phase 2 W 1/4 10" Between utility lines	Lift 6	136.9.	10.3	124.1			95.5

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT: Beech and Bonaparte Engineering, P.C.
DATE: 30 July 18 (Monday)
PROJECT: Elmira High School IRM2
Elmira NY
ATL REPRESENTATIVE: T. Cleary
DISPATCH NO.: 7299

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek
Gauge Model No.: 3411B/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13576

Moisture Standard: 6558
Density Standard: 1731

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
ET3113SL-01	7-10-18	D-698 / D-1557	7.7	130.0	Dark Brown Recycled Native Mat'l
ET3113 SL-04	7-10-18	"	7.8	126.8	Dark Brown Recycled Native Mat'l
0922	7-10-18	"	6.2	139.5	Brown Imported Fill from Edger's Brewer Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Parking Lot Subgrade (Phase 2 + Phase 3)	95
2	Parking lot ~~Subgrade~~ Subbase (Phase 2 + Phase 3)	95

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-55	Phase 2, West Central Quadrant	Lift 7	134.1	11.4	120.4	ET3113SL-04	1	95
IRM1-56	Phase 2, West Quadrant	Lift 12	137.1	10.8	123.7	ET3113SL-01	1	95
IRM1-57	Phase 3 ~~North West 1/3 of Section~~ N 1/3 of W 1/4	↓	137.0	11.0	123.4	↓	1	95
IRM1-58	Phase 3 ~~Central West 1/3 Section~~ Central 1/3 of W 1/4	↓	136.9	11.0	123.3	↓	1	95

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: _____ # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.: Beech + Bonaparte Engineering P.C. DATE: 30 July 18 (Move)
CLIENT: Elmira High School IRM2 ATL REPRESENTATIVE: T. Cleary
PROJECT: Elmira, NY IRM2 Page 2 of 2

TEST INFORMATION (continued)

Test Group Location:	(overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1-59	Phase 2 East Central Quadrant	Lift 7	133.0	8.4	122.6	ET311336-04	1	97
~~IRM1-60~~ Fill								

Acknowledged by: Jim Burnett, Geosymbe # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	4 August 18 (Saturday)
PROJECT:	Elmira High School Elmira, NY IRM2	ATL REPRESENTATIVE:	T. Cleary
		DISPATCH NO.:	7385

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/CPN/InstroTek		
Gauge Model No.:	3411B/3430/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	658
Gauge Serial No.:	13576	Density Standard:	1732

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017	☐	*ASTM D 6938 direct transmission*	☒	(Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	D-698 / D-1557	6.2	139.4	Brown imported fill from Edgers Brewer Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	~~Parking Lot~~ Rear Parking Lot subbase (Phases 1+2)	95
2		

Test Group Location:	(overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill -09	Phase 2 East Quadrant ~~Quarant~~	Lift 1	141.0	5.5	133.7	6922	1	96
Imp Fill -10	Phase 2 East Central Quadrant	"	147.8	6.1	139.2	"	"	100
Imp Fill -11	" (S of Manhole)	"	146.9	6.2	138.2	"	"	99
Imp Fill -12	Phase 2 East Central Quadrant	2nd Lift	144.5	6.0	136.3	"	"	98

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Jim Burnett, Geosynte Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.: ET 3113 S - -08-18
CLIENT: Beech + Bourquette Eng. P.C.
PROJECT: Elmira High School IRM2

DATE: 4 Aug 18 (Sat)
ATL REPRESENTATIVE: T. CLEARY

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill -13	Phase 1 East Quadrant	1st Lift	147.3	7.2	137.3	6922	1	99
Imp Fill -14	Phase 2 East Quadrant	2nd Lift	143.4	5.9	135.3			97
Imp Fill -15	Phase 1 East Central Quadrant (S. Edge)	1st Lift	146.0	5.6	138.2			99
Imp Fill -16	Phase 1 West Central Quad (S. Edge)	↓	141.6	5.8	133.8			96
Imp Fill -17	Phase 2 East Central Quad (S. of Wall)	2nd Lift	144.6	5.7	136.7			98
Imp Fill -18	Phase 2 East Central Quadrant	3rd Lift	142.8	6.2	134.4			96
Imp Fill -19	Phase 2 East Quadrant	↓	139.3	5.5	132.0			95
Imp Fill 20	Phase 2 East Central Quad (S. of Manhole)	3rd Lift	145.7	6.4	136.9			98
Imp Fill 21	Phase 2 East Central Quadrant	4th Lift	139.6	5.1	132.8			95
Imp Fill 22	Phase 1 East Quadrant	2nd Lift	145.2	4.6	138.7			100
Imp Fill 23	Phase 1 West Central Quad (S. Edge)	↓	142.9	4.3	137.0			98
Imp Fill 24	Phase 1 East Central Quad (S. Edge)	↓	144.9	6.6	135.9			98

Acknowledged by: Jim Burnett Jim Burnett Geosynte Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	8-6-18 (monday)
PROJECT:	Elmira High School Elmira NY IRM2	ATL REPRESENTATIVE:	Denver Tyler JR
		DISPATCH NO.:	7387.

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	(Troxler)/CPN/InstroTek		
Gauge Model No.:	3411B/(3430)/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	732
Gauge Serial No.:	35416	Density Standard:	2044

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	(D-698) / D-1557	6.2	139.4	Brown imported fill from Edger Brewer Pit.

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear parking lot Subbase	95%
2		

Test Group Location: (overall location) Rear parking lot ~~Bed~~ Rehab (Phase

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 25	Phase 2 w 1/4 12"	Lift 13	148.5	5.3%	141.0	6922	1	101
Imp Fill 26	Phase 3 N 1/3 w 1/4 12"		140.1	5.2%	133.2			96
Imp Fill 27	Phase 3 Central 1/3 ~~E 1/4~~ W 1/4 12"		149.3	4.5%	142.9			103
Imp Fill 28	Phase 2 East central 1/4	Lift 13	146.4	5.7	138.5			100

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. Tests Imp fill 28- , taken in 15'x30' Swath in Phase 2 Southern side East central 1/4
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Jim Burnett Geosynthetic Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech and Bonaparte Engineers.
PROJECT: Elmira High School. IRMZ

DATE: 8-6-18 (Monday.)
ATL REPRESENTATIVE: Denver Tyler SR

TEST INFORMATION (continued)

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 29	Phase 2 E central 1/4 12"	Lift 4	143.3	5.5	135.8	6922	1	98
Imp Fill 30	Phase 2 E central 1/4 12"	Lift 5	144.0	5.7	136.3	"	"	98
Imp Fill 31	Phase 2 W Central 1/4 12" (Above prev. Busted waterline)	Lift 3	146.0	4.3	140.0	"	"	100
Imp Fill 32	Phase 2 W 1/4 12"	Lift 4	139.0	4.9	132.5	"	"	95

Acknowledged by: Jim Burnett Jr Burnett Geosynte Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT: Beech and Bonaparte Engineering, P.C.
DATE: 8-7-18 (Tuesday)
PROJECT: Elmira High School Elmira NY IRM2
ATL REPRESENTATIVE: Denver Tyler JR
DISPATCH NO.: 7456.

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek
Gauge Model No.: 3411B/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 867
Moisture Standard: 831
Density Standard: 2110

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6299	7-10-18	D-698 / D-1557	6.2.	139.4	Brown imported fill from Edgers brewer pit.

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Placed as Subbase in Rear parking lot	95
2		

Test Group Location: (overall location) Rear parking lot Rehab (phase 2)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 33	Phase 2 W central 1/4 12" @above proj. busted water line	Lift 5	150.3	7.2	140.1	6299	1	101
Imp fill-34	Phase 2 W 1/4 12"	Lift 6	149.9	6.7	140.4	6299	1	101
Imp fill-35	Phase 2 E central 1/4 12"	Lift 6	151.1	6.4	141.9	6299	1	102
Imp fill 36	Phase 2 W Central 1/4 12"	Lift 7	150.1	7.1	140.1	6299	1	101

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Jim Burnett Geosynke Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech + Bonaparte Engineering.
PROJECT: Elmira High School. ERMC

DATE: 8-7-18 (Tuesday.)
ATL REPRESENTATIVE: Denver Tyler Jr

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab Phase 2

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp 8:11 37	Phase 2 E central 1/4 12"	Lift 7.	147.0	6.6	137.8	6299	1	99

Acknowledged by: Jim Burnett / Jim Burnett Geosynke Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School
Elmira, NY IRM2

DATE: 10 Aug 18 (Fri)
ATL REPRESENTATIVE: T. Cleary
DISPATCH NO.: 7527

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: (Troxler)/CPN/InstroTek
Gauge Model No.: (3411B)/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13576

Moisture Standard: 656
Density Standard: 1750

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 [ ] | *ASTM D 6938 direct transmission* [X] (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	(D-698) ~~D-1557~~	6.2	139.5	Brown Imported Fill / Edger's Bowers Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Phase 3 subbase in Rear Parking Lot	95
2		

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill -38	Southern 1/3 of West Quadrant of Phase 3	1st Lift	139.1	4.6	132.9	6922	1	95
Imp Fill -39	S 1/3 of W Quadrant of Phase 3	2nd Lift	147.1	6.5	138.1	"	"	99
Imp Fill -40	S 1/3 of W Quadrant of Phase 3	3rd Lift	146.1	5.9	137.9	"	"	99
Imp Fill								

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett/Jim Burnett, Geosyntec Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School
Elmira, NY IRM2

DATE: 13 Aug 18 :(Monday)
ATL REPRESENTATIVE: T. Cleary
DISPATCH NO.: 7528

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek
Gauge Model No.: 3411B/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13576

Moisture Standard: 657
Density Standard: 1733

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	D-698 / D-1557	6.2	139.5	Brown Imported Fill / Edger Enterprise's Brewer's Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Subbase for Rear Parking Lot Area	95
2		

Test Group Location: (overall location)

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 41	Phase 3; Southern 1/3 of West Central Quadrant	1st Lift	146.2	7.3	136.2	6922	1	98

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.
Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.
Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.
_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No
Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____.
was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett / Jim Burnett, Ecosystem Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	8-19-18 (Sunday.)
PROJECT:	Elmira High School Elmira NY. IRM 2	ATL REPRESENTATIVE:	Denver Tyler SR
		DISPATCH NO.:	

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/CPN/InstroTek		
Gauge Model No.:	~~3411B~~/3430/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	596
Gauge Serial No.:	13718	Density Standard:	1800

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017	☐	*ASTM D 6938 direct transmission*	☒	(Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
~~Elmira~~ IRM2	8-13-18	~~D-6987~~ D-1557	5.8%	129.5	~~Elmira~~ IRM2 13 Aug / Brown Native

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear parking lot work Area	95
2		

Test Group Location: (overall location) Rear parking lot Rehab phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM2-01	West central Quadrant of West central 1/3 10"	Lift 1	137.6	11.1	123.9	IRM2	1	96
IRM2-02	West central Quadrant of ~~West central 1/3~~ Southern 1/3 10"	Lift 1	139.4	10.7	125.8	IRM2	1	97
IRM1-60	West central Quadrant of West central 1/3 10"	Lift 2	138.2	10.7	124.8	IRM1	1	96
IRM1-61	West central Quadrant of Southern 1/3 10"	Lift 2	138.0	11.4	123.8	IRM1	1	96

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / ~~Mrs.~~Jim Barnett (Individual's name), representing (Name of company). Geo Syntec.
2. Proctor used is temporary while Samples collected 13-Aug 2018 are in progress.
3. material used as Backfill primarily pulled from Samples IRM2-01-2018
4. _____

(Individual's name) _____, representing (Name of company_____.

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett/Jim Burnett Geosynte Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech and Bonaparte
PROJECT: Elmira High School IRM2

DATE: 8-19-18 (Sunday)
ATL REPRESENTATIVE: Denver Tyler JR.

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab phase 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
IRM1 -62	West central Quadrant of 10" ~~Central~~ West Central 1/3	Lift 3	140.3	10.0	127.5	IRM1	1	99
IRM1 -63	West Central Quadrant of ~~West~~ Southern 1/3	Lift 3.	139.8	10.9.	126.0	IRM1	1	97

Acknowledged by: Jim Burnett/Jim Burnett, Geosynte Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School
Elmira, NY IRM 2

DATE: ~~8-21-18~~ 8-22-18 (~~Monday~~, ~~Tuesday~~ Wed.)
ATL REPRESENTATIVE: Denver Tyler Sr
DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: (Troxler)/CPN/InstroTek
Gauge Model No.: 3411B/3430/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: 13718

Moisture Standard: ~~6CC~~ 6CC6.
Density Standard: ~~1795~~ 1795

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	(D-698)/ D-1557	6.2	139.5	Brown imported fill / Edgers Brewer pt.
IRM-1-01	7-10-18	D-698	7.7	130.0	Brown Recycled stone IRM-1

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear parking lot work area.	95
2		

Test Group Location: (overall location) Rear parking lot Rehab. phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp fill-42	West Center 1/4 Southern 1/3 Phase 3 8"	Lift 8	149.7	7.9	138.7	6922	1	99
Imp fill-43	East center 1/4 central 1/3 Phase 3 10"	Lift 8	149.9	8.2	138.5	6922	1	99
Imp fill-44	East center 1/4 northern 1/3 Phase 3 10"	Lift 8	150.4	7.0	140.5	6922	1	101
Imp fill-45	West Center 1/4 northern 1/3 Phase 3 8"	Lift 9	148.2	7.2	138.3	6922	1	99

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett/Jim Burnett on behalf of Geosynthetic Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beach + Ramparts
PROJECT: Ehrm High School IRM 3

DATE: 8-22-18 (weelnesday.)
ATL REPRESENTATIVE: Denver Tyler JR
Page 2 of 2

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab phase 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp fill46	East center 1/4 central 1/3 phase3 8"	Lift 9	149.0	7.0	139.1	6922	1	100
Imp fill47	west center 1/4 Central 1/3 phase 3 8"	Lift 10	148.7.	6.9	139.0	6922	1	100
Imp fill48	Beast center 1/4 Southern 1/3 phase3 8"	Lift 10	145.3.	7.2	135.5	6922	1	97
Imp fill49	East center 1/4 northern 1/3 phase 3. 8"	Lift 9	148.2	7.9	137.3	6922	1	98
Imp fill50	East center 1/4 northern 1/3 phase 3. 8"	Lift 10	148.4	6.8	138.8	6922	1	100
Imp fill51	west center 1/4 Southern 1/3 phase3 8"	Lift 1	149.7.	7.1	139.8	6922	1	100
Imp fill52	west center 1/4 Southern 1/3 phase3 8	Lift 2	148.5	5.5	140.6	6922	1	101

Acknowledged by: Jim Burnett / Jim Burnett, Geosurface Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C. | DATE: 8 23 18 (Thursday)

PROJECT: Elmira High School Elmira NY IRM 2 | ATL REPRESENTATIVE: Dennert Tyler JR | DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/CPN/InstroTek		
Gauge Model No.:	3411B/~~3430~~/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	732
Gauge Serial No.:	35416	Density Standard:	2052

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
~~6829~~ 6922	7-10-18	D-698 / D-1557	6	139.5	Brown imported fill / Edgers Brower Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear parking lot w/a	95
2		

Test Group Location: (overall location) Rear parking lot Rehab phase 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp fill 53	Eastern 1/4 Central 1/3 Southern 1/3 Phase 3 12"	Lift 1	148.1	6.4	139.2	~~6829~~ 6922	1	100
Imp fill 54	Western 1/4 Southern 1/3 Phase 3 12"	Lift 1	148.9	7.1%	139.0	6922	1	100
Imp fill 55	East central 1/4 Southern 1/3 Phase 3 12"	Lift 2	145.3	6.4%	136.5	6922	1	98
Imp fill 56	Eastern Central 1/4 1/3 Phase 3 8"	Lift 2	146.5	6.3	137.9	6922	1	99

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. _____
3. _____
4. _____

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett for Burnett Geosynk Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech + Bonaparte
PROJECT: Elmira High School TRM2

DATE: 8-23-18 (Thursday)
ATL REPRESENTATIVE: Denver Tyler Jr

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab phase 3

Test No.	Test Location (specific location within the group)		Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 57	Eastern 1/4 Southern 1/3 phase 3	12"	Lift 1	148.9	5.8	140.7	6922	1	101
Imp Fill 58	Eastern 1/4 Southern 1/3 phase 3	10"	Lift 2	150.0	6.0	141.5	6922	1	101
Imp Fill 59	Eastern central 1/4 Central 1/3 phase 3	12"	Lift 2	148.6	7.1	138.7	6922	1	99
Imp Fill 60	Eastern 1/4 Southern 1/3 phase 3	12"	Lift 3	147.5	6.1	139.0	6922	1	100
Imp Fill 61	East central 1/4 Southern 1/3 phase 3.	12"	Lift 3	150.5	7.1	140.5	6922	1	101
Imp Fill 62	East central 1/4 Central 1/3 phase 3	12"	Lift 4	149.8	6.3	140.0	6922	1	100
Imp Fill 63	East ern 1/4 Central 1/3 phase 3	12"	Lift 4	141.7	5.8	133.8	6922	1	96
Imp Fill 64	Eastern 1/4 Southern 1/3 phase 3	10"	Lift 5	151.9	6.1	143.7	6922	1	103
Imp Fill 65	Eastern 1/4 central 1/3 phase 3	10"	Lift 5	146.4	6.2	137.8	6922	1	99
Imp Fill 66	Eastern 1/4 Southern 1/3 phase 3	12"	Lift 6	146.5	5.9	138.3	6922	1	99
Imp Fill 67	Eastern 1/4 Central 1/3 phase 3	8"	Lift 6	147.5	6.5	138.5	6922	1	99
Imp Fill 68	Eastern 1/4 Southern 1/3 phase 3	12"	Lift 7	148.9	6.0	140.5	6922	1	101
Imp Fill 69	Eastern 1/4 Central 1/3 phase 3	10"	Lift 7	149.9	5.4	142.1	6922	1	102
Imp Fill 70	Eastern 1/4 central 1/3 phase 3	10"	Lift 8	150.4	6.2	141.6	6922	1	102
Imp Fill 71	Eastern 1/4 Southern 1/3 phase 3	12"	Lift 8	148.4	6.4	139.4	6922	1	100

Acknowledged by: Jim Burnett, Geotek Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-_____

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	24 Aug 18 (Fri)
PROJECT:	Elmira High School Elmira, NY IRM 2	ATL REPRESENTATIVE:	T. Cleary
		DISPATCH NO.:	7723

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler ~~CPN/InstroTek~~		
Gauge Model No.:	3411B ~~3430/3440/MC-1/MC-3/Xplorer 3500~~	Moisture Standard:	646
Gauge Serial No.:	13576	Density Standard:	1745

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017	☐	*ASTM D 6938 direct transmission*	☒	(Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	~~D-698~~ / D-1557	6.2	139.5	Brown Imported Fill / Edgers Brewer Pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear Parking Lot Work Areas	95
2		

Test Group Location: (overall location) Phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 72	East Central Quadrant of Phase 3 Southern 1/3 (12")	Lift 9	147.4	6.7	138.1	6922	1	99
Imp Fill 73	East Quadrant of Phase 3 Central 1/3 (12")	↓	148.8	6.2	140.0	↓	↓	100+
Imp Fill 74	East Central Quadrant of Phase 3 Northern 1/3 (12")	↓	149.7	7.2	139.6	↓	↓	100
Imp Fill 75	West Central Quadrant of Phase 3 Northern 1/3 (12")	Lift 10 @	148.1	6.6	138.9	↓	↓	100

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our

Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs. (Individual's name), representing (Name of company).
2. Lift was wind-rowed to dry, rerolled + retested
3.
4.

(Individual's name) _____, representing (Name of company_____,

was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett Jim Burnett Geosyntech Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.: ET 31135 - -08-18
CLIENT: Beech + Bonaparte Eng. P.C.
PROJECT: Elmira High School IRM 2

DATE: 24 Aug 18 (Fri)
ATL REPRESENTATIVE: T. Cleary

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear Parking Lot / Phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Emp Fill 76	Central 1/3 of West Central Quadrant of Phase 3 (12")	Lift 10 (2)	146.6	6.2	137.9	6922	1	99

Acknowledged by: Jim Burnett / Jim Burnett, Geosynthetic Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY

SOIL REPORT ET3113S-

CLIENT:	Beech and Bonaparte Engineering, P.C.	DATE:	8-25-18 (Saturday)
PROJECT:	Elmira High School Elmira, NY IRMC	ATL REPRESENTATIVE:	Denver Tyler JR
		DISPATCH NO.:	

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer:	Troxler/CPN/InstroTek		
Gauge Model No.:	3411B/3430/3440/MC-1/MC-3/Xplorer 3500	Moisture Standard:	728
Gauge Serial No.:	3545 35416	Density Standard:	2073.

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017	☐	*ASTM D 6938 direct transmission*	☒	(Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	~~D-698~~ / D-1557	6.2	139.5	Brown imported fill / Edgers Brewer pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear parking lot work area	95
2		

Test Group Location: (overall location) Rear parking lot Rebrab phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp fill 77	Eastern central 1/4 of central 1/3 phase 3 (12")	Lift 10	149.8	6.6	141.3	6922	1	102
Imp fill 78	Eastern central 1/4 of Southern 1/3 phase 3. (10")	Lift 10	151.9.	6.4	142.7	6922	1	102
Imp fill 79	Western Central 1/4 of Southern 1/3 phase 3. 12"	Lift 10	143.8	6.4	135.1	6922	1	97
Imp fill 80	Eastern Central 1/4 of Southern 1/3 phase 3 12"	Lift 11	142.3	4.1	136.7	6922	1	98

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.

Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.

_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our Sample Collected: Yes/No

Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2.
3.
4.

(Individual's name) _____, representing (Name of company_____, was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett / Jim Burnett Geosynthetic Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beach + Bonyn Deuce
PROJECT: Elmira High School IRM 2

DATE: 8-25-18 (Saturday)
ATL REPRESENTATIVE: Denver Tyler JR

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab phase 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill81	West central 1/4 Southern 1/3 phase 3 (12")	Lift 11	150.0	5.3	142.5	6922	1	102
Imp Fill82	East central 1/4 Southern 1/3 phase 3 (12")	Lift 12	143.8	6.2	135.4	6922	1	97
Imp Fill83	East central 1/4 Central 1/3 phase 3	Lift 12	146.6	6.0	138.2	6922	1	99

Acknowledged by: Jim Burnett / Burnett Geosynthetic Consultants # of Hours on-site _____

The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATLANTIC TESTING LABORATORIES

THIS IS A FIELD FORM ONLY
SOIL REPORT ET3113S-

CLIENT: Beech and Bonaparte Engineering, P.C.
PROJECT: Elmira High School
Elmira NY ERM2

DATE: ~~8-28-18~~ 8-29-18 (Overhead)
ATL REPRESENTATIVE: Denver Tyler
DISPATCH NO.:

NUCLEAR DENSITY GAUGE DATA

Gauge Manufacturer: Troxler/CPN/InstroTek
Gauge Model No.: 3411B/~~3430~~/3440/MC-1/MC-3/Xplorer 3500
Gauge Serial No.: ~~TM~~ 35442

Moisture Standard: ~~2.6~~ 7.6
Density Standard: ~~TM 2.3~~ 19.21

TEST INFORMATION

ASTM D 2922 direct transmission and ASTM D 3017 ☐ | *ASTM D 6938 direct transmission* ☒ (Select one)

Proctor No.	Proctor Date	ASTM	Optimum Moisture (%)	Maximum Dry Density (pcf)	Color/Description/Location (from proctor)
6922	7-10-18	~~D-6938~~ D-1557	6.2	139.5	Brown imported fill/Edgers Bonner pit

Specification No.	Placement Location (i.e., Structural fill, slab subbase, slab subgrade, lawn areas, foundation wall backfill, etc.)	Comp %
1	Rear Parking lot wash area	95
2		

Test Group Location: (overall location) Rear parking lot Rehab phase 3.

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
Imp Fill 84	Northern 1/3 of Eastcentral 1/4 Phase 3 (12")	~~Finished~~ Completed Surface	144.2	4.3	138.2	6922	1	99
Imp Fill 85	northern 1/3 of west central 1/4 Phase 3 (12")	Completed Surface	142.4	4.0	136.9	6922	1	98
Imp Fill 86	Northern 1/3 of Western 1/4 phase 3 (12")	Completed Surface	150.8	4.2	144.6	6922	1	104
Imp Fill 87	Eastern 1/4 Southern 1/3 phase 3 (~~12~~")	Lift	148.5	6.1	140.0	6922	1	100

REMARKS

Test elevations for Specification No. 1 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.
Test elevations for Specification No. 2 are referenced from (e.g.. top of wall, finished floor, top of subgrade, top of subbase, etc. _____) for test numbers_____.
Test numbers (list specific test nos.)_____ are not in compliance with the project specifications.
_____ soil sample(s) was/were collected _____ (at the referenced project site) and returned to our
Sample Collected: Yes/No
Additional comments:

1. The Maximum Dry Density and Optimum Moisture Content values for this material were provided by Mr. / Mrs.(Individual's name), representing (Name of company).
2. Test no. Imp fill 84 - Imp Fill-86 to check wet of optimum indications.
3.
4.

(Individual's name) _____, representing (Name of company_____,
was informed of field observations and test results prior to departure from the site (or verbally on _____).

Acknowledged by: Jim Burnett/Jim Burnett Geosyntec Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.

ATL REPORT NO.:
CLIENT: Beech + Beaverdale
PROJECT: Elmira High School

DATE: 8-29-18 (Wednesday)
ATL REPRESENTATIVE: Denver Tyler Jr.

TEST INFORMATION (continued)

Test Group Location: (overall location) Rear parking lot Rehab phase 3

Test No.	Test Location (specific location within the group)	Elevation (ft)	Field Wet Density (pcf)	Field Moisture Content (%)	Field Dry Density (pcf)	Proctor Number	Spec No.	Percent Proctor Density
FMP Pill 88	Eastern 1/4 central 1/3 phase 3 (8")	Lift 1	151.8	6.0	143.2	6922	1	103
FMP Pill 89	Eastern 1/4 Southern 1/3 phase 3 (12")	Lift 2	143.8	4.7	137.4	6922	1	99
FMP Pill 90	Eastern 1/4 Central 1/3 phase 3 (12")	Lift 2	147.3	5.1	140.1	6922	1	100

Acknowledged by: Jim Burnett / Jim Burnett Geosynke Consultants # of Hours on-site _____
The above results are preliminary and are subject to technical review by ATL engineering and management staff.