

		DAILY	REPORT / PROJE	CT OBSER\	/ATIONS			
Permit No:								
Client:	Township o	of Cumru			T	orot	AM (°f)	PM (°f)
Project Name:	Cumru Tov	vnship Fire	Station		·	erature:		65
Location:	Township o	of Cumru, F	PA			ner (AM): _		ınny
Contractor:	Ankiewicz				Weatr	ner (PM): _ _	Su	ınny
Date:	April 13, 20)22					ns On-Site):
Job No.:	Z05700041	15			Bob Miller Jr	-(Superinte	endent)	
	YES	NO]					
Spec's & Drawings Available On-Site:	x							
THE FOLLOWING WAS NOT	ED:							
Depart Base:) AM	_		parted Site:	3:30		
Arrived On-Site:	8:00) AM	-	Ar	rived Base:	5:30	РМ	
> Atlas representative a	rrived on-sit	te as sched	luled, to observe Soil wo	ork.				
> Atlas observed Ankiev	vicz excava	ting for und	lercut for proposed build	ding pad.				
> Contractor informed A	tlas they are	e undercutt	ing 1'ft unsuitable soft s	soil for propose	d building pad	•		
> Atlas observe contract	tor remove	1'ft unsuital	ole soft soil using a Cat	dozer.				
> Atlas representative u		robe to che	eck the ground stability.	The stable grad	des were obse	rved at bet	ween 2.5ft	to 3.5ft
below the existing subgr	ade.							
> Atlas observed high m	oisture fatty	/ clay at ab	ove mentioned area.					
> For more information p	olease see	drawing and	d photos					
Reviewed By:				FIELD F	REPORT			
•	GE WIE	SNER	_	SIGNED		Zahid	Javed	







Atlas Technical Consultants LLC

Burlington, New Jersey 08016

tel. 609-386-8800 · fax 609-386-7951

3 Terri Lane; Suite 4







Project: Cumru Township Fire Station

Date: 4/13/2022





		DAILY	REPORT / PRO	DJECT OBSER	VATIONS			
Permit No:								
Client:	Township o	of Cumru			Tom		AM (°f)	PM (°f)
Project Name:	Cumru Tov	wnship Fire	Station			perature:	<u>_</u>	80
Location:	Township of	of Cumru, F	PA			ner (AM): _ 		inny
Contractor:	Ankiewicz				Weati	ner (PM): _ -	Su	inny
Date:	April 14, 20	022					ns On-Site	:
Job No.:	Z05700041	15			Bob Miller Jr Alan Wong -	BCM Engi		
	YES	NO]		Eric - Ankiev	vicz		
Spec's & Drawings Available On-Site:	х							
THE FOLLOWING WAS NOT	ΓED:							
Depart Base: Arrived On-Site:) AM) AM	- -		eparted Site: _ rrived Base: _	3:00 4:45		
> Atlas representative a	rrived on-si	te as sched	duled, to observe S	oil work.				
> Atlas observed Ankiev	vicz excava	ting for sub	ograde undercut for	proposed building	pad.			
> Contractor informed A	tlas they ar	e undercutt	ting 1'ft unsuitable	soft soil for propose	ed building pad			
> Atlas observe contrac	tor remove	1'ft unsuita	ble soft soil using (Cat (Dozer).				
> Atlas representative u	sed a Geop	robe to che	eck the ground stat	oility. Atlas observe	the stable grad	le between	6" and 1' ft	below.
> Contractor informed A	tlas they wi	II be remov	ing 6" -12" more of	the unsuitable soil.	•			
> Atlas observe work is	in progress							
> For more information	please see	attached dı	rawing and photos					
Reviewed By:				FIELD I	REPORT			
GEOR	GE WIE	SNER		SIGNE	D:	Zahid	Javed	



Date: 4/14/2022







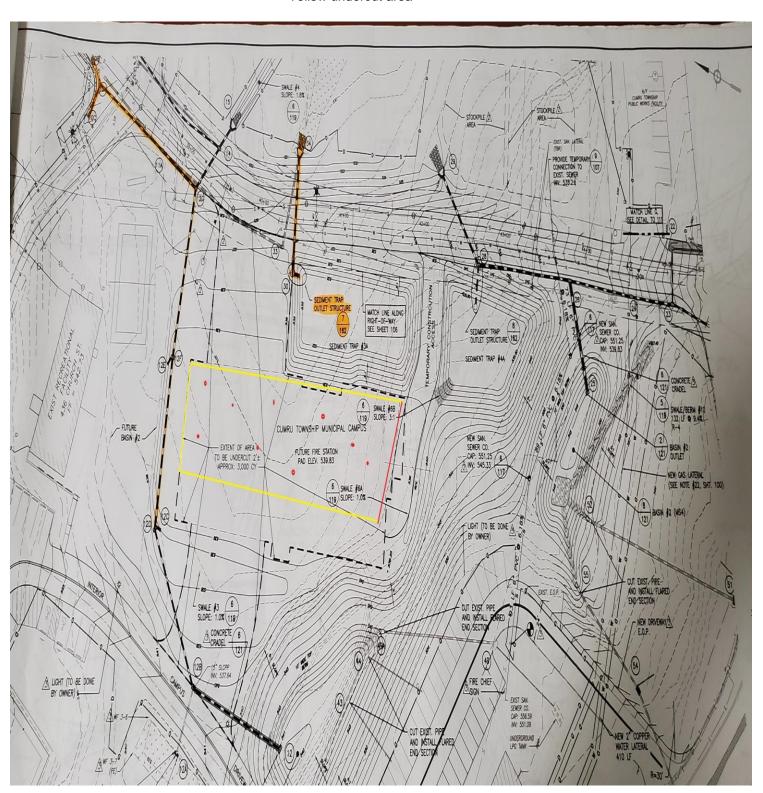






Date: 4/14/2022

Yellow undercut area



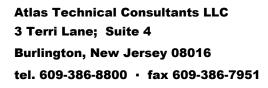


	DAILY	REPORT / PROJECT OBS	SERVATIONS			
Permit No:						
Client:	Township of Cumru			_	AM (°f)	PM (°f)
Project Name:	Cumru Township Fire	Station	-	erature:	52	65
Location:	Township of Cumru, P	Α		er (AM): _ 		nny
Contractor:	Ankiewicz		Weath	er (PM): _ _	Su	nny
Date:	April 15, 2022				ns On-Site	:
Job No.:	Z057000415		Bob Miller Jr- Eric - Ankiewi Alan Wong - I	cz	·	
Spec's & Drawings	YES NO		Alan Wong - I	BCIVI ETIGII	16612	
Available On-Site:						
THE FOLLOWING WAS NOT	ſED:					
Depart Base: Arrived On-Site:			Departed Site: Arrived Base:	3:30 I 4:30 I		
> Atlas representative a	rrived on-site as sched	uled, to observe Soil work.				
> Atlas observed Ankiev	vicz excavating for sub	grade undercut for proposed bui	lding pad.			
> Contractor informed A	tlas they are undercutt	ng 1'ft unsuitable soft soil for pro	pposed building pad .			
> Atlas observe contract	tor remove 1'ft unsuitat	ole soft soil using Cat (Dozer).				
> Atlas representative u	sed a Geoprobe to che	ck the ground stability. Atlas obs	serve the stable grade	e between	6" and 1' ft	below.
> Contractor informed A	tlas they will remove 6'	'-12" more of the unsuitable soil				
> For more information	please see drawing and	d photos				
Reviewed By:		FIE	LD REPORT			
GEOR	GE WIESNER	s	IGNED:	Zahid	Javed	

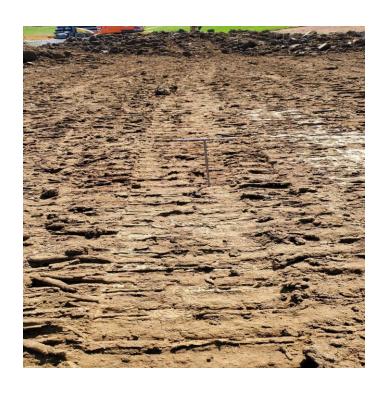


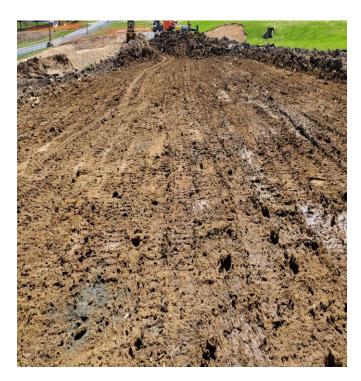
Date: 4/15/2022







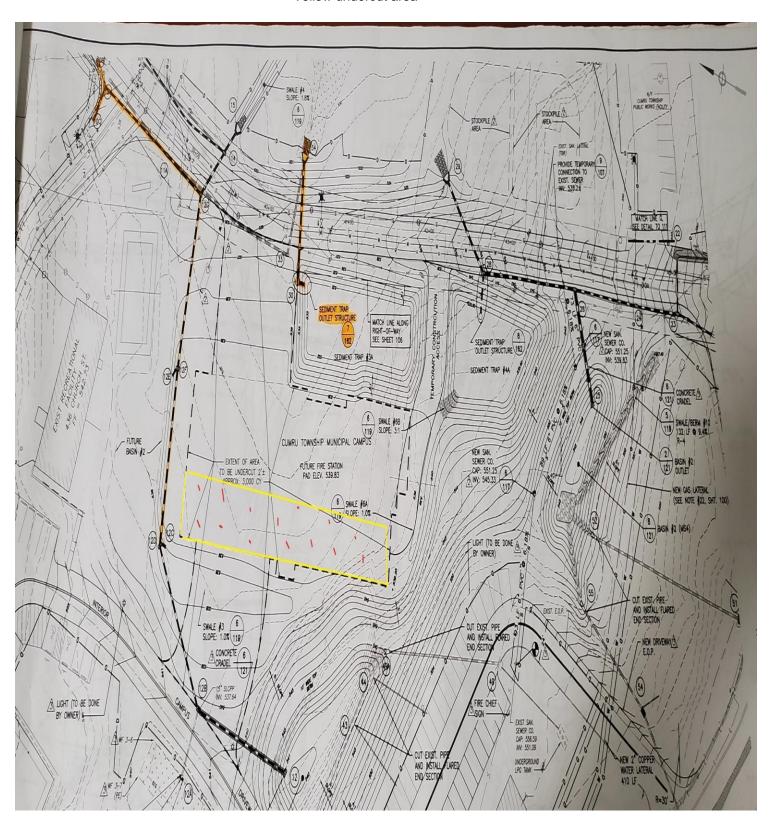






Date: 4/15/2022

Yellow undercut area





Emmanuel Louis

SIGNED:

	DAIL	Y REPOR	RT / PROJ	ECT OBS	SERVATIO	VS				
Permit No:										
				•						
Client:	Township of	of Cumru			T		AM (°f)	PM (°f)		
Project Name:	Cumru Tov	vnship Fire	Station		Tem	perature:	49	64		
Location	Township	of Cumru. D	۸ ۸	•	Weat	ner (AM): _	Mostly	Sunny		
Location:	Township of	or Cumru, P	<u>A</u>	Weather (PM): Mostly Sunny						
Contractor:	Ankiewicz			•		_				
Date:	April 21, 20)22		_	К	ey Person	s On-Site	:		
loh No.	705700041	F		•	Bob Miller Jr	· ·	ndent)			
JOB NO.:	Z05700041	5		-	Alan Wong -		neers			
	YES	NO]			<u> </u>				
Spec's & Drawings Available On-Site:	x									
Available Off-Oite.										
THE FOLLOWING WAS NOTI	ED:									
Depart Base:	5:30) AM		Dep	arted Site:	1:30	PM			
Arrived On-Site:			- -	-	rrive Base:	3:00		-		
COU.C. ANU//EVA//CE										
SOILS- ANKIEWICZ	ot Cumru	Township	Fire Done	rtm ont for	aaila manita	ring 0 toot	ina			
>Atlas Technician was >Met with Bob & Ackie			-				ing.			
inspection for today.	wicz respe	cuvery su	perintender	it & contra	ctor to discu	33				
>Contractor upon arriv	al this mo	ning was	observed t	o work on	stripping gra	adina				
Stockpiling of soil & die							ical Repo	ort		
>Contractor used a W								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
						9. 3. 3. 3	- 			
>Once that was compl	leted, Atlas	Technicia	an used a 7	Γroxler Gaι	ıge to test th	e compac	tion.			
>The Results found w		compliance	e with 6.1.3	Subgrade	Stabilization	/2nd Par	agraph			
(Subgrade Compaction										
>Proofrolling required										
Caused by Weak and		round can	not be ach	ieve due to	o inaccessibl	e of the D	ump trucl	<		
Towards the Construct		fallanda a	L L	. la						
>At the Perimeter of the						-				
1- South Side it was E					or evacuatio	[1]				
2- East Side / Soaked 3- North Side / Discha		_			etallation					
4-West Side / Wet and			on to Sump	rump ins	staliation.					
>Contractor should dry			d keep wate	er out of the	e building pa	d.				
	,									
see attached field den	sity sheet a	and photos	s for more i	nformation						
Reviewed By:				FIELD R	EPORT					
	GE WIE	SNER		SIGNED:		Emmanue	el Louis			



FIELD DENSITY - NUCLEAR METHOD ASTM D-6938

Client: Township of Cumru Technician: Emmanuel Louis	uis	
Project: Cumru Township Fire Station DATE: April 21, 2022		
General Contractor: Ankiewicz Grading Contractor: Ankiewicz		
TEST NO. * UIFT DENSITY (PCF) DRY DENSITY (PCF) DRY DENSITY (PCF) DENSITY SPEC. ACTUAL DENSITY DENSITY DENSITY SPEC. ACTUAL DENSITY DATE OF THE PASS DESCRIPTION OF THE PASS DESCRIPTI	LOCATION GRID COORDINATES OR ROAD STATION	WAY
	e Stat. PAD / Center undercutting Portion facing	ng Pond
2 132.4 127.7 96.3 31.4 32.6 95.0 72.7 x	e Stat. PAD / Center undercutting Portion facing	ng Pond
Compaction Equipment Used: Vibratory:Non-Vibratory Smooth Steel Drumx	Sheepsfoot Brickfoot	
Rubber-tired Vibratory Plate Walk Behind Steel Drum Other:	-	
Remarks: High Moisture / Compaction failed.		
*Proctor No. Maximum Density (PCF) Opt. Moisture (%) Std. Proctor Mod. Proctor		
BS-1 132.4 8.7 x	Gauge Model #: 3440	
	Gauge Serial # 2976	
Method: A Backscatter B Direct Transmission B		ensity 1668



Date: 4/21/2022













PARTIAL VIEW / PERIMETER OF THE PAD TOP: LEFT TO RIGHT:

- 1- SOUTH SIDE / DRIVING & STOCKPILING EXCAVATED MATERIALS FOR EVACUATION
- 2-EAST SIDE / SOAKED AREAS FACING TAILINGS OR SETTLING POND
- 3- NORTH SIDE / PARTIAL DRY OUT USING SUMP PUMP IN ADDITION TO DISCHARGE CHANNEL.
- 4- WEST SIDE / WET AND MUDDY AREAS.
- 5- SETTLING POND.



Date: 4/21/2022









FIRE STATION PAD / GRADING & COMPACTION



SIGNED:

	DAIL	Y REPOR	RT / PRO	JECT OBSERVA	TIONS						
Permit No:				-							
Client:	Township o	of Cumru		_		AM (°f)	PM (°f)				
Project Name:	Cumru Tow	nship Fire	Station		Temperature:	54	68				
	Township of			·	Veather (AM):	Partly	Cloudy				
Contractor:				- V	Veather (PM):	Mostly	Sunny				
	April 22, 20	122		-	Key Persoi	ns On-Site:					
	Z05700041			Bob Miller Jr-(Superintendent) Eric - Ankiewicz							
502 11011	YES	NO	1	Alan Wong - BCM Engineers							
Spec's & Drawings Available On-Site:		110									
THE FOLLOWING WAS NOT	ED:		l								
Depart Base:		ιΔΜ		Departed Sit	t e: 2:30	PM					
Arrived On-Site:			<u>-</u>	Arrive Bas			<u>.</u>				
SOILS- ANKIEWICZ											
>Atlas Technician was	at Cumru	Township	, PA to obs	serve activities in pr	ogress.						
>Upon arrival this mor	ning, it was	s found tha	at the cons	truction site was pa	rtially flooded						
>Atlas Technician had	lidentified	the origin o	of that stan	ding water on cons	truction site a	at 2					
different places:											
~West Side, a Round	concrete C	ulvert 8 " v	was identif	ied as a Cross drai	n or stream c	rossings to)				
pass water under the	existing Ro	ad leading	to Local F	Police Department.							
~Temporarily, water o	f the above	mentione	d has beer	n diverted via a rece	essed channe	l towards					
Existing Pond.						, ,					
~At South Side rain was Faster as long as Con		-			iateriais, runs	out and m	noves				
>In late afternoon som					ch was probo	d with the					
Same Deep previously			g was obse	erved to be illill will	cii was piobe	a with the					
>See Photos attached	for more i	nformation	l.								
				FIELD REPORT							
Reviewed By:	GE WIE	SNFR		SIGNE		manuel Lo	านเร				



3 Terri Lane; Suite 4
Burlington, New Jersey 08016
tel. 609-386-8800 · fax 609-386-7951

Atlas Technical Consultants LLC

Project: Cumru Township Fire Station

Date: 4/22/2022



TOP FROM LEFT TO RIGHT:
1, 2, 3 & 4 SOGGY CONSTRUCTION SITE
5 & 6 CONSTRUCTION SITE AFTER GRADING OF THE MUDDY AREAS (Was Partial)



Date: 4/22/2022



TOP FROM LEFT TO RIGHT: 1 & 2 IDENTIFIED AS A STREAM CROSSINGS TO BRING WATER ON PAD 3, 4, 5 & 6 IDENTIFIED AS WATER TRAPPING BEHIND STOCKPILING EXCAVATED MATERIALS



	DAILY REPORT / PRO	DJECT OBSERVATIONS	
Permit No:		_	
Client:	Township of Cumru	_	AM (°f) PM (°f)
Project Name:	Cumru Township Fire Station	Temperature	•
Location:	Township of Cumru, PA	<u></u>	sunny
Contractor:	Ankiewicz		sunny
Date:	May 23, 2022	Key Pers Bob Miller Jr Super	ons On-Site:
Job No.:	Z057000415		mondon
Spec's & Drawings	1 V I I		
Available On-Site: THE FOLLOWING WAS NOT			
	7:00 AM	Departed Site: 3:3	30 PM 45 PM
Atlas Technical Cons	ultants LLC reported to site as	s scheduled to observe the follow	ving:
Upon arrival. Atlas ted	chnician observed the contrac	tor backfilling with DGA within the	ne foundation
	static compaction rolled and c		
Atlas representative p		Recommended select areas of	over excavation.
See attached photos.	orations.		
Gee attached photos.			
Reviewed By:		FIELD REPORT	
-	GE WIESNER		Romano



Project: Cumru Township Fire Sation

Date: 5/23/2022







	DAILY REPORT / PRO	JECT OBSERVATIONS	
Permit No:		_	
Client:	Township of Cumru		AM (°f) PM (°f)
Project Name:	Cumru Township Fire Station	Temperature	•
Location:	Township of Cumru, PA	Weather (AM)	
Contractor:	Ankiewicz	Weather (PM)	sunny
Date:	May 25, 2022	Key Person	ons On-Site:
Job No.:	Z057000415	Bob Willier 31 Superi	пенсен
Spec's & Drawings	1 V 1 1		
Available On-Site:	<u> </u>		
	7:00 AM	Departed Site: 2:3 Arrive Base: 3:4	80 PM 15 PM
Atlas Technical Cons	ultants LLC reported to site as	scheduled to observe the follow	ving:
		or placing geotextile fabric over	
		vas then placed in 8"-12" lifts at	
Atlas representative re And observed site op		ded a 12" overlap between geo	fabric.
See attached photos.	orations.		
occ attached photos.			
Reviewed By:		FIELD REPORT	
-	GE WIESNER		omano



Project: Cumru Township Fire Sation

Date: 5/25/2022







	DAILY REPOR	RT / PROJECT O	BSERVATIO	NS						
Permit No:										
Client:	Township of Cumru				AM (°f)	PM (°f)				
	Cumru Township Fire	Station	Temp	perature:	70	80				
	Township of Cumru, F		Weath	ner (AM): _	sur	nny				
Contractor:	·	<u>··</u>	Weath	ner (PM): _	sur	nny				
	June 24, 2022		Key Persons On-Site:							
	Z057000415		Bob Miller Jr.	•						
	YES NO	 1								
Spec's & Drawings Available On-Site:]								
THE FOLLOWING WAS NOT	ΓED:									
Depart Base: Arrived On-Site:	10:15 AM 11:25 AM	_	Departed Site: Arrive Base:							
Atlas Technical Cons	ultants LLC reported	to site as schedule	ed to observe th	ne followin	g:					
Upon arrival, Atlas ted Building pad lift. Cont										
Atlas representative p				mended o	ver excav	rate				
Bob mentioned their phere Monday 6/27 to fill soils.			•	•						
See attached photos.										
Reviewed By:		FIELD	REPORT							
-	GE WIESNER	SIGN		Jim Roi	mano					



Project: Cumru Township Fire Sation

Date: 6/24/2022







	DAILY REPOR	RT / PROJECT OF	BSERVATIO	NS		
Permit No:						
Client	Township of Cumru				AM (°f)	PM (°f)
	Cumru Township Fire	Station	Temp	erature:	69	79
	Township of Cumru, P		Weath	er (AM): _	Rain/0	Clouds
Contractor:		<u> </u>	Weath	er (PM): _	Clo	uds
	June 27, 2022		K	- ey Person	s On-Sito:	
	Z057000415		Bob Miller Jr.	•		
005 No	YES NO	 1				
Spec's & Drawings Available On-Site:	v					
THE FOLLOWING WAS NOT						
	7:00 AM		eparted Site: Arrive Base:			
Upon arrival, Atlas Re And pushing material	ep observed the Cont	ractor removing ma	terial from pro			areas.
Atlas representative p 6/24. Recommended backfilling.						
Rain slowed on-site a	ctivities. Left site at 2	.00pm				
See attached photos.						
Paviawad Por		EIEI D	REPORT			
Reviewed By: GEOR	GE WIESNER	SIGNE		Jim Roi	mano	



3 Terri Lane; Suite 4
Burlington, New Jersey 08016
tel. 609-386-8800 · fax 609-386-7951

Atlas Technical Consultants LLC

Project: Cumru Township Fire Sation

Date: 6/27/2022







	DAIL	REPOR	RT / PRO	JECT OBS	ERVATIO	NS		
Permit No:				_				
Client:	Township o	of Cumru		_	_		AM (°f)	PM (°f)
Project Name:	Cumru Tov	vnship Fire	Station	_		perature:	77	. 84
Location:	Township of	of Cumru, F	PA	_		her (AM): _ 		oudy
Contractor:	Ankiewicz			_	Weath	her (PM): _ -	su	nny
Date:	June 1, 202	22				ey Person		:
Job No.:	Z05700041	5			Bob Miller Jr	:- Superint	endent	
	YES	NO]					
Spec's & Drawings Available On-Site:	1 Y 1							
THE FOLLOWING WAS NOT	TED:							
Depart Base: Arrived On-Site:		AM AM	- -	-	arted Site: _ rive Base: _	12:00 2:00		- -
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled	to observe t	he followi	ng:	
Upon arrival, Atlas ted soils determined inad		served as	the contra	actor began	to consolid	late soils.	Previous	day
Contractor consolidate retested soils to deter Atlas technician progragauge and began con	mine wheth	her soils we e Modified	vould be a	dequate aft	er drying.			echnician
Atlas technician cond above. (previous day the compaction reading	ucted at 9	tests whic	h was suff entire pad)	icient for the	ul observati	on, Atlas ı	recorded	ts.
After consideration sit soil and backfill using					action is to	remediate	inadequa	ate
See attached Field De	ensity Rep	ort for resu	ults.					
See attached photos.								
Reviewed By:				FIELD RI	EPORT		_	
GEOR	GE WIE	SNER		SIGNED:		Eddie H	lavens	



FIELD DENSITY - NUCLEAR METHOD ASTM D-6938

	Permi	t No:									F	Project No.:	Z057000415					
	С	lient:	Townsh	ip of Cum	nru					•	٦	Technician:	Eddie Havens					
	Pro	ject:	Cumru	Γownship	Fire Statio	n				-		DATE:	June 1, 2022					
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_			
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES (STATION	DR ROADWAY			
1	134.2	1	128.9	111.1	17.8	16.0	95.0	82.8		х				Building pad				
2	134.2	1	131.7	113.2	18.5	16.3	95.0	84.4		х				Building pad				
3	134.2	1	129.6	110.7	18.9	17.1	95.0	82.5		х				Building pad				
4	134.2	1	129.5	111.8	17.7	15.8	95.0	83.3		х				Building pad				
5	134.2	1	128.6	112.0	16.6	14.8	95.0	83.5		х				Building pad				
6	134.2	1	131.2	114.1	17.1	15.0	95.0	85.0		х				Building pad				
7	134.2	1	129.3	111.4	17.9	16.1	95.0	83.0		х				Building pad				
8	134.2	1	131.9	114.4	17.5	15.3	95.0	85.2		х				Building pad				
9	134.2	1	130.6	112.6	18.0	16.0	95.0	83.9		х				Building pad				
	paction E Rubber-tir arks:						_							SheepsfootBrickfoo	t			
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	Gauge Make:	Troxler			
	BS-1		. <u>—</u>		134.2			8	3.7		_		<u> x</u>	Gauge Model #:	3440			
											-			Gauge Serial #	36191			
	Method:		A Backs	scatter ())		B Direc	ct Transı	missio	n (x)	-			Moisture 656	Density 1958			



Project: Cumru township Fire Sation

Date: 6/1/2022





	DAILY REPOR	RT / PROJEC	T OBSERVATI	ONS		
Permit No:						
Client:	Township of Cumru		Te	mperature:	AM (°f)	PM (°f)
Project Name:	Cumru Township Fire	Station	Wea	ather (AM):	p. cle	oudv
Location:	Township of Cumru, F	PA		ather (PM):	<u> </u>	
Contractor:	Ankiewicz		*****	-		
Date:	June 3, 2022		Dal Miller	Key Person		
Job No.:	Z057000415		Bob Miller	Jr Superint	endent	
	YES NO]				
Spec's & Drawings Available On-Site:						
THE FOLLOWING WAS NOT	TED:					
Depart Base: Arrived On-Site:		- -	Departed Site: Arrive Base:			
Upon arrival, Atlas teo observed some of rer date for work perform	chnician observed as nediation. Superinte	s the contractor ndent stated At	began to remed	liate soils. <i>P</i>	ıtlas techr	nician
Reviewed By:		FIE	LD REPORT			
	GE WIESNER		SIGNED:	Eddie H	lavens	



DAILY REF	ORT / PROJECT OBSERVATION	NS
Permit No:		
Client: Township of Cumr		AM (°f) PM (°f) perature: 63 83
Project Name: Cumru Township F	re Station	her (AM): Sun
Location : Township of Cumr	, PA	. ,
Contractor: Ankiewicz	www.	her (PM): Sun
Date: June 6, 2022	K	ey Persons On-Site:
Job No. : Z057000415	Bob Miller (G	C Super)
YES NO		
Spec's & Drawings		
Available On-Site:		
THE FOLLOWING WAS NOTED:		
Depart Base: 6:00 AM	Departed Site:	
Arrived On-Site: 8:00 AM ATLAS arrived as scheduled to observe	Arrive Base: and note the following:	12:00 PM
ATLAS spake to Rob Miller (CC Super)	upon arrival who informed ATLAS of	a Sails Compaction
ATLAS spoke to Bob Miller (GC Super) test for the proposed building foundatio		a Solis Compaction
ATLAS'S role was ensure the No 4 stor	was compacted by dozer and insta	 allation of Geotextile
Fabric and backfill. However, the job wa		
arrive on this day		
Please see Attached Pictures for addition	nal information	
	FIELD REPORT	



Project:Cumru Twp. Fire Station Mohnton, PA. Date:06-06-2022







	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATION	NS			
Permit No:				_					
Client:	Township of	of Cumru		_	_		AM (°f)	PM (°f)	
Project Name:	Cumru Tov	vnship Fire	Station	_		Temperature: 74 85			
Location:	Township of	of Cumru, F	PA	_		Weather (AM): sunny			
Contractor:	Ankiewicz			_	Weath	sunny			
Date:	June 7, 202	22					s On-Site	:	
Job No.:	Z05700041	15		<u>-</u> 	Bob Miller Jr.	- Superint	endent		
Creale 8 Drewings	YES	NO]	-					
Spec's & Drawings Available On-Site:	Y			-					
THE FOLLOWING WAS NOT	ΓED:								
Depart Base:) AM	_	-	rted Site:	3:30			
Arrived On-Site:	9:00) AM	_	Arr	rive Base:	5:30	PM		
Atlas Technical Cons	ultants LLC	c reported	to site as	scheduled t	o observe th	ne followi	ng:		
Upon arrival, Atlas ob to place and consolidate			ctor begar	n to unload t	ruck loads o	of crushe	d materia	l	
Contractor placed app Volvo CP-434 vibrato	,		over one	half of build	ing pad and	began c	onsolidati	on via	
Atlas technician prograguge and began cor					39.7 @ 5.8%	into the	density		
Atlas technician cond above. After careful o the compaction readin of 95% compaction.	ucted 5 tes	sts which v , Atlas tec	vas suffici hnician re	ent for the s			s of a mir	imum	
See attached Field Do	ensity Rep	ort for resu	ults.						
·				FIELD RE	DODT				
Reviewed By: GEOR	GE WIE	SNER		SIGNED:		Eddie H	lavens		



FIELD DENSITY - NUCLEAR METHOD ASTM D-6938

	Permi	t No:									F	Project No.:	Z057000415		<u> </u>	
	С	lient:	Townsh	ip of Cum	nru					Technician: Eddie Havens						
	Pro	ject:	Cumru	Гоwnshiр	Fire Statio	n						DATE:	June 7, 2022		_	
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_	
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O STATION	R ROADWAY	
1	139.7	1	146.1	136.7	9.4	6.9	95.0	97.9	х					Building pad		
2	139.7	1	150.3	139.2	11.1	8.0	95.0	99.6	х					Building pad		
3	139.7	1	146.3	135.5	10.8	8.0	95.0	97.0	х					Building pad		
4	139.7	1	145.5	132.8	12.7	9.6	95.0	95.1	х					Building pad		
5	139.7	1	143.4	133.9	9.5	7.1	95.0	95.8	х					Building pad		
							•				_			SheepsfootBrickfoot	:	
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	St	td. Proctor	Mod. Proctor	Gauge Make:	Troxler	
	BS- 3		<u> </u>		139.7			5	5.8		_		X	Gauge Model #:	3440	
											-			Gauge Serial #	36191	
	Method:		A Backs	scatter ())		B Direc	ct Transı	missio	n (x)	-			Moisture 659	Density 1958	



Date: 6/7/2022









	DAILY REPOR	RT / PROJECT OB	SERVATIONS	
Permit No:				
Client:	Township of Cumru			AM (°f) PM (°f)
Project Name:	Cumru Township Fire	Station	Temperature:	72 90
Location:	Township of Cumru, F		Weather (AM):	p. cloudy
Contractor:			Weather (PM):	sunny
	June 8, 2022		Key Persor	ns On-Site:
			Bob Miller Jr Supering	
Job No.:	Z057000415			
Spec's & Drawings	YES NO	-		
Available On-Site:	1 Y I			
THE FOLLOWING WAS NOT	TED:			
Depart Base:	6:00 AM	Dep	arted Site: 4:30	PM
Arrived On-Site:	8:00 AM	A	rrive Base: 6:30	PM
Atlas Technical Cons	ultants LLC reported	to site as scheduled	to observe the follow	ing:
Upon arrival, Atlas ob				ed material
to place and consolid	ate for Building pad i	in continuation of pre	vious days work.	
Contractor placed app		over second half of I	ouilding pad and bega	an consolidation via
Volvo CP-434 vibrato	ry drum roller.			
Atlas technician prograguge and began cor			39.7 @ 5.8% into the	density
Atlas technician cond above. After careful o			size of the area noted	<u> </u>
the compaction reading			cification requiremen	ts of a minimum
of 95% compaction.				
See attached Field De	ensity Report for resu	ults.		
See attached photos.				
Paviawad Pvr		FIELD R	FPORT .	
Reviewed By: GEOR	GE WIESNER	SIGNED:		lavens



FIELD DENSITY - NUCLEAR METHOD ASTM D-6938

	Permi	t No:									F	Project No.:	Z057000415			
	С	lient:	Townsh	ip of Cum	nru					Technician: Eddie Havens						
	Pro	ject:	Cumru	Γownship	Fire Statio	n						DATE:	June 8, 2022		<u></u>	
General Contractor: Ankiewicz										Grading Contractor: Ankiewicz						
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O STATION	R ROADWAY	
1	139.7	1	146.5	135.8	10.7	7.9	95.0	97.2	х					Building pad		
2	139.7	1	143.4	134.1	9.3	6.9	95.0	96.0	х					Building pad		
3	139.7	1	144.4	133.1	11.3	8.5	95.0	95.3	х					Building pad		
4	139.7	1	144.1	133.8	10.3	7.7	95.0	95.8	х					Building pad		
5	139.7	1	144.5	133.7	10.8	8.1	95.0	95.7	х					Building pad		
6	139.7	1	144.9	134.3	10.6	7.9	95.0	96.1	х					Building pad		
				<u> </u>												
Com	paction E	quipr	nent Use	ed:	Vibratory:	х	Non-Vi	bratory			Smo	oth Steel Dr	um x	Sheepsfoot Brickfoot		
	Rubber-tir	ed												<u> </u>		
Rem	arks:				•											
						(- a -)				(2.1)					_	
*Proctor No. Maximum Density (PCF) Opt. Moisture				(%)	S1	d. Proctor	Mod. Procto	_								
	BS-3				139.7		· —	5	5.8		-		<u> </u>	Gauge Model #:		
											•			Gauge Serial #	36191	
Method: A Backscatter () B Direct Transmission						n (x)				Moisture 658	Density 1962					



Date: 6/8/2022









	DAILY RE	PORT / PRO	JECT OBSER	VATIONS	
Permit No:			_		
Client:	Township of Cu	mru	_	_	AM (°f) PM (°f)
Project Name:	Cumru Townsh	ip Fire Station		Temperature:	77 86
		-	_	Weather (AM):	sunny
	Township of Cu	IIIIu, PA	_	Weather (PM):	sunny
Contractor:	Ankiewicz		_	_	
Date:	June 10, 2022		- Rob	Key Person	
Job No.:	Z057000415			Miller Jr Superint	endent
	YES	NO			
Spec's & Drawings	Y				
Available On-Site:					
THE FOLLOWING WAS NOT	ΓED:				
Depart Base:			Departed		
Arrived On-Site:	9:00 AM		Arrive	Base: 6:00	<u>PM</u>
Atlas Technical Cons	ultants LLC rep	orted to site as	scheduled to ol	bserve the followi	ng:
Upon arrival, Atlas ob	served as the	contractor bega	ın to unload truc	k loads of crushe	d material
to place and consolid	ate for Building	pad in continu	ation of previous	s days work.	
Contractor placed app	oroximately 6" (of soil over two	thirds of building	g pad and began	consolidation via
Volvo CP-434 vibrato	•				
Atlas technician progr	rammed the Mo	ndified Proctor	number of 130.7	7 @ 5.8% into the	density
gauge and began cor					
	-				
Atlas technician cond above. After careful o				e of the area note	<u>d</u>
the compaction reading	•			ation requirement	s of a minimum
of 95% compaction.			•	•	
See attached Field Do	ensity Report fo	or results.			
See attached photos.					
Reviewed By:			FIELD REPO	DRT	
GEOR	GE WIESNI	ER	SIGNED:	Eddie H	lavens



	Permi	t No:								Project No.: <u>Z057000415</u>						
	C	lient:	Townshi	ip of Cum	ru						٦	Гесhnician:	Eddie Havens	S		
	Pro	ject:	Cumru 7	Township	Fire Statio	n						DATE:	June 10, 2022	2		
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_	
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES (STATION	DR ROADWAY	
1	1 139.7 2 148.6 139.1 9.5 6.8 95.0 99.6								х					Building pad		
2	139.7	2 144.0 134.5 9.5 7.1 95.0 96.3												Building pad		
3	139.7	2	147.9	136.4	11.5	8.4	95.0	97.6	х					Building pad		
4	139.7	2	145.1	133.6	11.5	8.6	95.0	95.6	х					Building pad		
5	139.7	2	148.4	137.0	11.4	8.3	95.0	98.1	х					Building pad		
6	139.7	2	150.0	137.9	12.1	8.8	95.0	98.7	х					Building pad		
7	139.7	2	145.8	135.9	9.9	7.3	95.0	97.3	х					Building pad		
8	139.7	2	144.8	133.2	11.6	8.7	95.0	95.3	х					Building pad		
9	139.7	2	144.6	133.8	10.8	8.1	95.0	95.8	х					Building pad		
10	139.7	2	145.0	133.4	11.6	8.7	95.0	95.5	х					Building pad		
	paction Ed Rubber-tir					x							-	SheepsfootBrickfoo	t	
*	*Proctor No. Maximum Density (PCF) Opt. Moisture (%) Std. Proctor Mod. Proctor Gauge Make: Troxler															
BS-3 139.7 5.8						5.8		_		X	Gauge Model #:	3440				
											-			Gauge Serial #	36191	
Method: A Backscatter () B Direct Transmis								ct Transı	missior	n (x)	-			Moisture 654	Density 1958	



Project: Cumru Township Fire Sation

Date: 6/10/2022





	DAILY REPORT / PR	ROJECT OBSERVATIONS		
Permit No:				
Client:	Township of Cumru	 Temperature	AM (°f)	PM (°f)
Project Name:	Cumru Township Fire Station			/A
Location:	Township of Cumru, PA	Weather (PM		/A
Contractor:	Ankiewicz			
Date:	June 13, 2022		ons On-Site	:
Job No.:	Z057000415			
Spec's & Drawings	YES NO			
Available On-Site:				
THE FOLLOWING WAS NOT	ED: 7:00 AM	Departed Site:		
Arrived On-Site:			00 AM	
Atlas technician was e	en route to site as schedule	ed, when we were notified that wo	rk today	
was cancelled.				
Reviewed By:	GE WIESNER	FIELD REPORT SIGNED: Eddie	e Havens	



	DAILY REPORT / PRO	JECT OBSERVATIONS
Permit No:		_
Client:	Township of Cumru	AM (°f) PM (°f)
Project Name:	Cumru Township Fire Station	Temperature: 77 86
Location:	Township of Cumru, PA	Weather (AM): sunny
Contractor:	Ankiewicz	Weather (PM): sunny
Date:	June 15, 2022	Key Persons On-Site:
Job No.:	Z057000415	Bob Miller Jr Superintendent
	YES NO	
Spec's & Drawings Available On-Site:	1 v 1 1	
THE FOLLOWING WAS NOT	ΓED:	
Depart Base: Arrived On-Site:		Departed Site: 4:00 PM Arrive Base: 6:30 PM
Atlas Technical Cons	ultants LLC reported to site as	scheduled to observe the following:
<u> </u>	served as the contractor bega ate for Building pad in continu	n to unload truck loads of crushed material ation of previous days work.
		third of building pad and began consolidation via
Volvo CP-434 vibrato	ry drum roller. First third grade	ed, placed, and consolidated previous day.
		number of 139.7 @ 5.8% into the density aterial from today and previous day.
above. After careful o the compaction reading	bservation, Atlas technician rengs and verified that the result	ient for the size of the area noted ecorded s meet Specification requirements of a minimum d, consolidation to occur next day.
See attached Field De	ensity Report for results.	
See attached photos.		
Reviewed By:	GF WIFSNER	FIELD REPORT



Permit No:											F	Project No.:	Z057000415			
	С	lient:	Townsh	ip of Cum	ıru						٦	Technician:	Eddie Havens			
	Pro	ject:	Cumru	Γownship	Fire Statio	n						DATE:	June 15, 2022			
Gene	eral Contra	ctor:	Ankiewi	cz						Grading Contractor: Ankiewicz						
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O STATION	R ROADWAY	
1	139.7	2	147.3	136.6	10.7	7.8	95.0	97.8	х					Building pad		
2	139.7	2	144.2	133.4	10.8	8.1	95.0	95.5	х					Building pad		
3	139.7	2	144.2											Building pad		
4	139.7	2												Building pad		
5	139.7	2	144.8	133.8	11.0	8.2	95.0	95.8	х					Building pad		
6	139.7 2 145.3 134.0 11.3 8.4 95.0 95.9						х					Building pad				
Com	paction E	quipr	nent Use	ed:	Vibratory:	х	Non-Vi	bratory			Smo	oth Steel Dr	um x	Sheepsfoot Brickfoot		
	Rubber-tir	ed												<u> </u>		
Rem	arks:											•				
*	Proctor No).		Maximu	m Density	(PCF)	(Opt. Mo	isture ((%)	Si	d. Proctor	Mod. Proctor	Gauge Make:	Troxler	
*Proctor No. Maximum Density (PCF) Opt. Moistu BS-3 139.7 5.8							(70)			X	Gauge Model #:					
							-		•			Gauge Serial #				
											•					
Method: A Backscatter () B Direct Transmiss								ct Transi	missior	n (x)	-			Moisture 654	Density 1958	



Project: Cumru Township Fire Sation

Date: 6/15/2022









	DAILY REPOR	RT / PRO	JECT OBS	SERVATION	IS		
Permit No:			_				
Client:	Township of Cumru					AM (°f)	PM (°f)
			_	Temp	erature:	77	86
Project Name:	Cumru Township Fire	Station	_	Weath	er (AM):	SU	nny
Location:	Township of Cumru, F	PA	_		·		•
Contractor:	Ankiewicz		_	weath	er (PM): _ _	Su	nny
Date:	June 16, 2022		_		-	s On-Site	:
Job No.:	Z057000415		<u>.</u>	Bob Miller Jr	- Superinte	endent	
	YES NO	7					
Spec's & Drawings		1					
Available On-Site:	1 Y I						
THE FOLLOWING WAS NOT	ΓED:						
Depart Base:	7:00 AM		Dep	arted Site:	4:00	PM	
Arrived On-Site:		_	-	rive Base:	6:30		-
		_					-
Atlas Technical Cons	ultants LLC reported	to site as	scheduled	to observe th	e followir	ua.	
7tias recrimed cons	ditanto LLO reported	to site as	<u> </u>	to observe tr	ic ronown	119.	
Upon arrival, Atlas ted	chnician observed as	the contra	actor begar	n consolidatio	n of final	third of o	current
Building pad lift.							
Contractor placed app	arovimatoly 6" of soil	over one:	third of buil	ding pad pro	vious do	, and had	100
consolidation via Volv				ung pau pre	vious day	and beg	jan
			•				
Atlas technician progr							
gauge and began cor	nducting tests on the	backfill ma	aterial from	today and p	revious d	ay.	
Atlas technician cond	ucted 3 tests which v	was suffici	ent for the s	size of the ar	ea noted		
above. After careful o							
the compaction readir	ngs and verified that	the results	meet Spe	cification req	uirements	s of a mir	nimum
of 95% compaction.							
Contractor began rem	nediation for building	pad drive	wav in prep	aration for ba	ackfill and	d consolic	dation
at later date.	<u></u>	para anti-					
See attached Field De	ensity Report for resu	ults.					
See attached photos.							
230 attached photos.							
Reviewed By:			FIELD R	EPORT			
GEOR	GE WIESNER		SIGNED:	ı	Eddie H	lavens	



	Permi	t No:								_	F	Project No.:	Z057000415			
	CI	lient:	Townsh	ip of Cum	nru					•	٦	Technician:	Eddie Havens	3		
	Pro	ject:	Cumru	Гownshiр	Fire Statio	n				_		DATE:	June 16, 2022	2	_	
Gen	eral Contra	ctor:	Ankiewi	CZ						Grading Contractor: Ankiewicz						
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY	
1	139.7	2	144.3	133.2	11.1	8.3	95.0	95.3	х					Building pad		
2	139.7	2	145.6	134.6	11.0	8.2	95.0	96.3	Х					Building pad		
3	139.7	2	143.8	143.8 132.9 10.9 8.2 95.0 95.1										Building pad		
														SheepsfootBrickfoot		
,	*Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	rGauge Make:	Troxler	
BS-3 139.7 5.8					5.8		_		X	Gauge Model #:	3440					
											_			Gauge Serial #	36191	
Method: A Backscatter () B Direct Transmi							missio	n (x)	-			Moisture 657	Density 1956			



Project: Cumru Township Fire Sation

Date: 6/16/2022











	DAILY REPORT /	PROJECT OBSERV	ATIONS		
Permit No:	:				
				A.B. (Oc)	D14 (00)
	: Township of Cumru		Temperature:	AM (°f) 75	PM (°f) 89
Project Name:	Cumru Township Fire Stat	ion	Weather (AM):	sui	nny
Location:	Township of Cumru, PA		Weather (PM):	Sui	าทง
Contractor:	Ankiewicz		`		
Date:	June 17, 2022	Rob M	Key Person Miller Jr Superint		
Job No.:	Z057000415		illier 31 Superint	endent	
	YES NO				
Spec's & Drawings Available On-Site:	1 Y I				
THE FOLLOWING WAS NOT	TED:				
Depart Base:	6:00 AM	Departed S	Site: 4:00	PM	
Arrived On-Site:	8:00 AM	Arrive B	ase: 6:00	PM	
Atlas Technical Cons	ultants LLC reported to s	ite as scheduled to obs	serve the followi	na.	
	·				
	chnician observed as the tractor also began removi				<u></u> у
Contractor placed and	proximately 10"-12" of so	il over one third of build	ding pad and be	ngan	-
	vo CP-434 vibratory drum		ang pad and be	gari	
	rammed the Modified Pro				
gauge and began cor	nducting tests on the bac	kfill material from today	and previous o	lay.	
	lucted 3 tests which was abservation, Atlas technic		f the area noted		
the compaction reading	ngs and verified that the		ion requirement	s of a min	imum
of 95% compaction.					
See attached Field De	ensity Report for results.				
See attached photos.					
Reviewed By:		FIELD REPOR	?T		



	Permi	t No:								_	F	Project No.:	Z057000415			
	C	lient:	Townsh	ip of Cum	nru					•	٦	Гесhnician:	Eddie Havens	3		
	Pro	ject:	Cumru	Гоwnshiр	Fire Statio	n				_		DATE:	June 17, 202	2	_	
Gen	eral Contra	ctor:	Ankiewi	cz						G	Grading Contractor: Ankiewicz					
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY	
1	139.7	2	147.6	137.2	10.4	7.6	95.0	98.2	х					Building pad		
2	139.7	2	144.8	133.2	11.6	8.7	95.0	95.3	х					Building pad		
3	139.7	2	144.7 134.0 10.7 8.0 95.0 95.9						х					Building pad		
														SheepsfootBrickfoot		
,	*Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler	
BS-3 139.7 5.8					5.8		= .		X	Gauge Model #:	3440					
								_			Gauge Serial #	36191				
Method: A Backscatter () B Direct Transm							missio	n (x)	-			Moisture 660	Density 1956			



Project: Cumru Township Fire Sation Date: 6/17/2022













GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAIL	Y REPOR	RT / PROJ	ECT OB	SERVATIONS		
Permit No:							
	_					(00	l === 00
Client:	Township of	of Cumru			Temperature:	AM (°f) 69	PM (°f)
Project Name:	Cumru Tov	vnship Fire	Station		remperature.	05	
1	T	. (0			Weather (AM):	clo	udy
Location:	Township of	of Cumru, P	'A		Weather (PM):		
Contractor:	Ankiewicz						
Data	June 21, 20	าวว			Key Perso	ns On-Sito	
Date.	Julie 21, 20	J22			Bob Miller Jrsuperint		•
Job No.:	Z05700041	15					
	YES	NO	1				
Spec's & Drawings		110	-				
Available On-Site:	Х						
THE FOLLOWING WAS NOT	TED:						
Depart Base: Arrived On-Site:			-	-	parted Site: 4:00		
Arrived On-Site:	9.00	AIVI	-	A	rrive Base: 6:00	PIVI	=
Atlas Technical Cons	ultants LLC	reported	to site as s	cheduled	to observe the followi	ng:	
						1 11 11	
Upon arrival, Atlas ted backfill, grading, and			contractor	trucked in	n crushed material for	building pa	ad
backiiii, gradiiig, and	compaction	1.					
Contractor placed app						of importe	ed
crushed material. Cor							• •
specifications states t determined by ASTM				•	ed to 95% of the max	mum dens	Sity
determined by ASTIVI	D 1337 WIO	unieu i iot	CIOI Delisity	/.			
Atlas technician progr					39.7 @ 5.8% into the	density	
gauge and began con	ducting tes	sts on the	backfill mat	terial.			
Atlas technician cond	ucted 6 tes	sts which w	vas sufficie	nt for the	size of the area noted		
above. After careful o					compaction readings	and verifie	ed that
the backfill material m	et the abo	ve specific	ation requi	rements.			
See attached Field De	ensity Repo	ort for resu	ılts.				
See attached photos.							
Reviewed By:				FIELD R	EPORT		



	Permi	t No:									F	Project No.:	Z057000415		
				p of Cum	ıru					•		•	Eddie Haven		-
					Fire Statio	n							June 21, 202		-
Gene	eral Contra	-								Grading Contractor: Ankiewicz					
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	SPEC. ACTUAL		PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	139.7		146.4	138.1	8.3	6.0	95.0	98.9	х					Building pad 1st 3rd	
2	139.7		144.6	135.0	9.6	7.1	95.0	96.6	х					Building pad 1st 3rd	
3	139.7		145.8	135.5	10.3	7.6	95.0	97.0	х					Building pad 1st 3rd	
4	139.7		146.0	136.3	9.7	7.1	95.0	97.6	х					Building pad 2nd 3rd	
5	139.7		144.0	134.7	9.3	6.9	95.0	96.4	х					Building pad 2nd 3rd	
6	139.7 144.2 133.9 10.3 7.7			7.7	95.0	95.8	х					Building pad 2nd 3rd			
	paction Ed Rubber-tir arks:													SheepsfootBrickfoot	-
*	Proctor No).		Maximui	m Density	(PCF)		Opt. Mo	isture	(%)	St	d. Proctor	Mod. Procto	orGauge Make:	Troxler
BS- 3 139.7					5	5.8		_		X	Gauge Model #:	3440			
											•			Gauge Serial #	36191
Method: A Backscatter () B Direct Transmis							missio	n(x)	-			Standard 0	Counts Density 1931		



Project: Cumru Township Fire Station

Date: 6/21/2022













GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAIL	Y REPOR	RT / PRO	JECT OBS	SERVATIONS		
Permit No:				_			
Client	Township o	of Cumru				AM (°f)	PM (°f)
Onent.	TOWNSHIP O	Cumu		_	Temperature:		76
Project Name:	Cumru Tow	nship Fire	Station	_	Manthau (ABA)	Ol-	
Location:	Cumru Tow	nship, PA			Weather (AM):	Clo	buay
		• •		_	Weather (PM):	Clo	oudy
Contractor:	Ankiewicz			_			
Date:	June 22, 20)22		_	Key Persor	ns On-Site	:
loh No :	Z05700041	5			Bob Miller Jr Atlas		
305 No	203700041	<u> </u>		_			
Consolo 9 Dunina	YES	NO]				
Spec's & Drawings Available On-Site:	v						
THE FOLLOWING WAS NOT	ED:						
Depart Base:	7:30	AM	_	Dep	arted Site: 4:00		_
Arrived On-Site:	9:00	AM	_	Ar	rive Base: 5:30	PM	-
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled t	o observe the followi	ua.	
7 Kildo Tooliililoal Gollo	antanno 220	Topontou	10 0110 40			9.	
Upon arrival, Atlas ted							al
from crusher location,			d placeme	nt and com	paction of soil in orde	er to	
bring proposed building	ng pad to g	rade.					
Control to a place of a part		4 1:4: -4		alv. Oll af iman		4la:al a.£	
Contractor placed approposed building page							lor
Job specifications sta					· · · · · · · · · · · · · · · · · · ·	•	iei.
density determined b				•		Παλιπαπ	
	, -						
Atlas technician progr	ammed the	Modified	Proctor n	umber of 13	39.7 @ 5.8% into the	density	
gauge and began con	ducting tes	ts on the	backfill ma	aterial.			
Atlanta de clasicio e con d				-: + - +	-: f the		
Atlas technician cond above. After careful o	. ,						nd that
the backfill material m					compaction readings	and verme	eu mai
THE DACKIIII MATERIAL II	iet tile abov	re specific	Janon requ	anements.			
See attached Field De	ensity Repo	ort for resu	ults.				
	- J 13 -						
See attached photos.							
Reviewed By:				FIELD R	EPORT		



	Permi	t No:								-	F	Project No.:	Z057000415		
	CI	ient:	Townsh	ip of Cum	nru					_	7	Гесhnician:	Eddie Havens		
	Pro	ject:	Cumru	Гоwnshiр	Fire Statio	n				_		DATE:	June 22, 2022		
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O	DR ROADWAY
1	139.7		143.9	133.0	10.9	8.2	95.0	95.2	х					building pad	
2	139.7		142.0	133.1	8.9	6.7	95.0	95.3	х					building pad	
3	139.7		145.5	136.9	8.6	6.3	95.0	98.0	х					building pad	
							•				_			SheepsfootBrickfoo	t
*	Proctor No) <u>.</u>		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	Gauge Make:	Troxler
	bs-3				139.7		. <u>—</u>	5	5.8		_		X	Gauge Model #:	3440
											_			Gauge Serial #	36191
	Method:		A. Back	scatter	()	B. Direct T	ransmis	ssion (x	:)		-			Standard Moisture 663	d Counts Density 1948



Project: Date: Cumru Township Fire Station

6/22/2022













	DAILY REPORT /	PROJECT OBSERVATION	S
Permit No:			
Client:	Township of Cumru		AM (°f) PM (°f)
Project Name:	Cumru Township Fire Statio	-	erature: 69
Location:	Township of Cumru, PA		r (AM): cloudy
Contractor:	Ankiewicz	Weathe	r (PM):
Date:	June 24, 2022		r Persons On-Site:
Job No.:	Z057000415	Bob Willer St	superintendent
Spec's & Drawings	YES NO		
Available On-Site:			
THE FOLLOWING WAS NOT			
Depart Base: Arrived On-Site:	7:00 AM 9:00 AM	Departed Site: Arrive Base:	
Atlas Technical Cons	ultants LLC reported to sit	te as scheduled to observe the	following:
	served building pad area mpleted and work was car	was wet and contained puddle	es of water. Contractor
Work Codid Not be con	inpleted and work was car	iceled loday.	
		EIELD DEDORT	
Reviewed By: GEOR	GE WIESNER	FIELD REPORT SIGNED:	Eddie Havens



Project: Cumru Township Fire Station

Date: 6/24/2022





	DAILY	REPOR	RT / PRO	JECT OBSERV	ATIONS	
Permit No:				_		
Client:	Township of	Cumru		_	_ ,	AM (°f) PM (°f)
Project Name:	Cumru Towr	nship Fire	Station	-	Temperatur Weather (AN	e: 69
Location:	Township of	Cumru, P	PA	_		1):
Contractor:				-		
	June 27, 202 Z057000415			Bob M	Key Pers	sons On-Site: rintendent
005 No	YES	NO	1			
Spec's & Drawings Available On-Site:						
THE FOLLOWING WAS NOT	ΓED:					
Depart Base: Arrived On-Site:			- -		Site: 10 ase: 12	
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled to obse	erve the follo	wing:
Upon arrival, Atlas ted work could not be con	chnician obs	erved bu work tod	ilding pad ay was ca	was wet and muc	ddy. Contrac	tor decided
Reviewed By:				FIELD REPOR	RT	
GEOR	GE WIES	NER		SIGNED:	Eddi	e Havens



Project: Cumru Township Fire Station

Date: 6/27/2022





GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAIL	Y REPOR	RT / PRO	JECT OBS	SERVATIONS		
Permit No:				_			
							1
Client:	Township of	of Cumru		_		AM (°f)	PM (°f)
Project Name:	Cumru Tov	vnshin Fira	Station		Temperature:	/4	82
i roject Hame.	Culliu 100	viisiiip i iie	Otation	_	Weather (AM):	su	nny
Location:	Cumru Tov	vnship, PA		_			
Comtractory	A ratei a veri a =				Weather (PM):	clo	oudy
Contractor:	Ankiewicz			_			
Date:	July 5, 202	2		_	Key Persoi	ns On-Site	:
	705700044	-		_	Bob Miller JrAtlas		
Job No.:	Z05700041	5		_			
	YES	NO	7				
Spec's & Drawings			1				
Available On-Site:							
THE FOLLOWING WAS NOT	ED:						
Depart Base:			_	-	earted Site: 4:00		_
Arrived On-Site:	9:00) AM	_	Aı	rrive Base: 6:00	PM	-
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled t	to observe the followi	na:	
Upon arrival, Atlas ted						material	
from crusher site in or	der to con	tinue bring	ging buildir	ng pad to gr	ade.		
Contractor placed apr	rovimatal	, 1 lift /10"	1 1 2") of im	ported fill p	actorial Contractor by	200	
Contractor placed approximation of the m							
specifications states t							sitv
determined by ASTM							
Previously placed are	a tested in	addition to	o material	placed to d	ate (approximately 2	thirds of p	oad)
Atlas technician progr	ammed the	- Modified	l Proctor n	umber of 1	39 7 @ 5 8% into the	density	
gauge and began con					33.7 S 3.0 % Into the	derisity	
<u> </u>	3						
Atlas technician cond	. ,						
above. After careful o					compaction readings	and verific	ed that
the backfill material m	et the abo	ve specific	cation requ	urements.			
See attached Field De	ensity Ren	ort for resi	ılts				
Coo attached i lola De	onony ivopi	5.1.101.1030	u				
See attached photos.							
Reviewed By:	<u> </u>			FIELD R	EPORT		



	Permi	t No:	-								F	Project No.:	Z057000415		_
	CI	lient:	Townshi	ip of Curu	J						٦	Technician:	Eddie Havens	3	_
	Pro	ject:	Cumru 7	Γownship	Fire Statio	n						DATE:	July 5, 2022		_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX SITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	ROADWAY
1	139.7		141.7	132.9	8.8	6.6	95.0	95.1	х					previously placed lift (first thi	rd)
2	139.7		142.3	133.1	9.2	6.9	95.0	95.3	х					previously placed lift (first th	rd)
3	139.7		142.4	135.5	6.9	5.1	95.0	97.0	х					previously placed lift (first thi	rd)
4	139.7		142.2	134.7	7.5	5.6	95.0	96.4	х					previously placed lift (first the	rd)
5	139.7		147.3	136.1	11.2	8.2	95.0	97.4	х					current lift (second third)	
6														current lift (second third)	
7														current lift (second third)	
	paction Ed Rubber-tir arks:	•				x								SheepsfootBrickfoot	-
7	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture ((%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-3				139.7			5	5.8		_		X	Gauge Model #:	3440
											_			Gauge Serial #	36191
	Method:	A Ba			B Direct T	ransmissio	n	В			-			Standard (Moisture 654	Counts Density 1931



Project: Cumru Township Fire Station

Date: 7/5/2022









	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATION	IS		
Permit No:				_				
Client:	Township of	of Cumru					AM (°f)	PM (°f)
				-	Temp	erature:	74	86
Project Name:	Cumru Tov	vnship Fire	Station	_	Weath	er (AM):	Su	nny
Location:	Cumru Tov	vnship, PA		_		`		•
Contractor:	Ankiewicz			_	Weath	- (FWI).	Su	ППУ
Date:	July 11, 20	22		_		-	s On-Site	:
Job No.:	Z05700041	5		-	Bob Miller Jr.	-Atlas		
		NO.	1					
Spec's & Drawings	YES	NO	-	-				
Available On-Site:	Х							
THE FOLLOWING WAS NOT	ED:							
Depart Base:	7:00) AM		Depa	arted Site:	4:00	PM	
Arrived On-Site:) AM	- -	_	rive Base:	6:00		<u>-</u> -
Atlas Technical Consu	ultants LLC	reported	to site as	scheduled t	o observe th	e followir	na:	
		'					J	
Upon arrival, Atlas ted						mported r	material	
from crusher site in or	der to cont	inue bring	jing buildin	g pad to gra	ade.			
Contractor placed app	rovimataly	, 1 lift (10"	12"\ of im	ported fill m	atorial Cont	ractor bo	aan	
consolidation of the m							gan	
specifications states t							num dens	sitv
determined by ASTM					<u>u 10 00 70 01 </u>	ino maxii	nam aone	Jity
				,				
Atlas technician progr					9.7 @ 5.8%	into the	density	
gauge and began con	ducting tes	sts on the	backfill ma	iterial.				
Atlas technician conde	ucted (3) te	ests which	was suffic	eient for the	size of the a	rea noted	<u>'</u>	
above. After careful of	. ,							ed that
the backfill material m	et the abo	ve specific	ation requ	irements.	·			
See attached Field De	ensity Repo	ort for resu	ults.					
See attached photos.								
Reviewed By:				FIELD RI	EPORT			
GEOR	GE WIE	SNER		SIGNED:		Eddie H	lavens	



	Permit	No:									F	Project No.:	Z057000415		
	Cli	ent:	Townshi	ip of Curu	ı						٦	Technician:	Eddie Haven	s	
	Pro	ject:	Cumru 7	Гownshiр	Fire Statio	n				1		DATE:	July 11, 2022	2	
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		
TEST NO.		LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES	S OR ROADWAY
1	139.7		144.9	132.9	12.0	9.0	95.0	95.1	х					building pad soils	;
2	139.7		146.1	133.1	13.0	9.8	95.0	95.3	Х					building pad soils	}
3	139.7		146.1	133.3	12.8	9.6	95.0	95.4	х					building pad soils	i
	paction Eq Rubber-tire arks:													SheepsfootBrickfo	oot
*	Proctor No.		<u> </u>	Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-3				139.7			5	5.8		=		X	Gauge Model #:	3440
							. <u> </u>				_			Gauge Serial #	36191
	Method:	A Ba			B Direct T	ransmissio	n	В	<u> </u>		-			Standa Moisture 651	ard Counts Density 1947



Project: Cumru Township Fire Station

Date: 7/11/2022







	DAIL	Y REPOR	RT / PRO	JECT OBS	SERVATION	IS		
5. 22.								
Permit No:				-				
Client:	Township o	of Cumru		_		_	AM (°f)	PM (°f)
Project Name:	Cumru Tow	nship Fire	Station		Temp	erature:	76	90
	Cumru Tow			_	Weath	er (AM): _	su	nny
		nisnip, r A		_	Weath	er (PM): _	su	nny
Contractor:	Ankiewicz			-		_		
Date:	July 12, 202	22		_	Bob Miller Jr.	-	s On-Site	:
Job No.:	Z05700041	5		_	DOD WIIIIEI JI.	-Alias		
	YES	NO	1					
Spec's & Drawings Available On-Site:	v		1					
Available On-Site:								
THE FOLLOWING WAS NOT	ED:							
Depart Base:	6:30	AM		Dep	arted Site:	4:00	PM	
Arrived On-Site:	9:00	AM	_	Aı	rive Base:	6:00	PM	_
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled t	to observe the	e followir	ng:	
Upon arrival, Atlas ted from crusher site in or						nported i	material	
nom crusher site in or	der to com	inde bring	Jing bulluli	ig pau to gi	au c .			
Contractor placed 1 lit	ft (10"-12")	of importe	ed fill mate	rial. Contra	ctor began			
consolidation of the m	aterial usir	ng a Wack	er Neusor	n RC70 stee	el drum roller	. Job		
specifications states t								-
determined by ASTM	D1557 Mo	dified Prod	ctor Densi	ty. Approxir	nately half of	pad brou	ught close	er to
grade.								
Atlas technician progr	ammed the	e Modified	Proctor n	umber of 13	39.7 @ 5.8%	into the	density	
gauge and began con	ducting tes	sts on the	backfill ma	aterial.			,	
Atlas technician cond	. ,							
above. After careful o					compaction re	eadings a	and verifie	ed that
the backfill material m	et the abov	e specific	cation requ	irements.				
See attached Field De	ensity Repo	ort for resu	ılts.					
Soo attached photos								
See attached photos.								
Reviewed By:				FIELD R	EPORT			
GEOR	GE WIE	SNER		SIGNED:		Eddie H	lavens	



	Permi	t No:									F	Project No.:	Z057000415		
	С	lient:	Townsh	ip of Curu	ı					•	٦	Technician:	Eddie Havens	3	
	Pro	ject:	Cumru	Γownship	Fire Statio	n				ī		DATE:	July 12, 2022		
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O STATION	R ROADWAY
1	139.7		145.6	133.3	12.3	9.2	95.0	95.4	х					building pad soils	
2	139.7		145.5	133.7	11.8	8.8	95.0	95.7	х					building pad soils	
3	139.7		145.5	135.0	10.5	7.8	95.0	96.6	х					building pad soils	
4	139.7		145.5	133.2	12.3	9.2	95.0	95.3	х					building pad soils	
5	139.7		144.2	132.9	11.3	8.5	95.0	95.1	х					building pad soils	
					<u> </u>										
Com	paction E	quipr	nent Use	ed:	Vibratory:	х	Non-Vi	bratory			Smo	oth Steel Dr	um x	Sheepsfoot Brickfoot	
	Rubber-tir	ed									_				
Rema	arks:			_											
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo		(%)	S	td. Proctor	Mod. Procto		
	BS-3				139.7			5	5.8		-		X	Gauge Model #:	
											-			Gauge Serial #	
	Method:	A Ba	ckscatter	-	B Direct T	ransmissio	. <u>—</u> n	В			-			Standard Moisture 665	Counts Density 1980



Project: Cumru Township Fire Station

Date: 7/12/2022







	DAILY REPOR	RT / PRO	JECT OBS	ERVATION	IS		
Permit No:							
			-				
Client:	Township of Cumru		_	T		AM (°f)	PM (°f)
Project Name:	Cumru Township Fire	Station	<u>-</u>	•	erature:	76	90
Location:	Cumru Township, PA			Weath	er (AM): _	su	nny
Contractor:			_	Weath	er (PM): _	su	nny
			_		_	- OI:	
Date:	July 13, 2022		-	Bob Miller Jr.	y Person -Atlas	s On-Site	:
Job No.:	Z057000415		- -				
	YES NO	7	•				
Spec's & Drawings Available On-Site:							
		1					
THE FOLLOWING WAS NOT	ΓED:						
	7:00 AM	_	-	arted Site:			_
Arrived On-Site:	9:00 AM	_	Ar	rive Base:	6:00	PM	_
Atlas Technical Cons	ultants LLC reported	to site as s	scheduled t	o observe th	e followin	ng:	
Upon arrival, Atlas ted							
from crusher site in or					tor then I	began bri	nging
side area of pad to gr							
Contractor placed 1 li consolidation of the m					· lob		
specifications states t						num don	city
determined by ASTM			-				-
determined by AOTIVI	D 1337 Widalited 1 10	CIOI DETISIO	y. mgmmo	istare areas	io be rete	Sted flex	t day.
Atlas technician progr	rammed the Modified	l Proctor ni	ımher of 13	3 6 @ 7 6%	into the o	density	
gauge and began cor				0.0 @ 1.070	1110 1110 1	acrioity	
Atlas technician cond							
above. After careful o				compaction r	eadings a	and verific	ed that
the backfill material m	net the above specific	cation requ	irements.				
See attached Field De	ensity Report for resu	ults.					
See attached photos.							
230 attached photos.							
Reviewed By:			FIELD RI	EPORT			
GEOR	GE WIESNER		SIGNED:		Eddie H	lavens	



	Permi	t No:									F	Project No.:	Z057000415		_
	CI	lient:	Townshi	ip of Curu	ı						٦	Technician:	Eddie Havens	3	_
	Pro	ject:	Cumru 7	Γownship	Fire Statio	n						DATE:	July 13, 2022		_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		-
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		144.3	126.9	17.4	13.7	95.0	95.0	х					building pad soils	
2	133.6		143.0	127.3	15.7	12.3	95.0	95.3	х					building pad soils	
3	133.6		141.8	127.1	14.7	11.6	95.0	95.1	х					building pad soils	
4	133.6		143.8	129.4	14.4	11.1	95.0	96.9	х					building pad soils side area	ı
5	133.6		141.5	128.5	13.0	10.1	95.0	96.2	х					building pad soils side area	ı
6														building pad soils side area	ı
	6 133.6 140.3 127.1 13.2 10.4 95.0 95.1														
Com	paction E													SheepsfootBrickfoot	
	Rubber-tir	ed		_ Vibrat	ory Plate		Walk	Behind	Steel [Drum		Other:			-
Rem	arks:														
						(- 0 -)				(2.1)					
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo		(%)	<u>S</u> 1	d. Proctor	Mod. Procto	_	
	BS-4				133.6		· -	7	7.6		•		<u> </u>	Gauge Model #:	
											-			<u> </u>	36191
	Method:	A Ba	ckscatter	,	B Direct T	ransmissio	. <u></u>	В	<u>.</u>					Standard C Moisture 658	Counts Density 1958



Project: Cumru Township Fire Station

Date: 7/13/2022









	DAIL	Y REPOR	RT / PRO	JECT OBS	SERVATION	18		
Permit No:				_				
Client:	Township o	of Cumru		_			AM (°f)	PM (°f)
Project Name:	Cumru Tow	nship Fire	Station		Temp	erature:	77	87
	Cumru Tow	-		_	Weath	er (AM): _	Mostly	Sunny
		mornp, 171		_	Weath	ner (PM):	Mostly	Sunny
Contractor:				_		_		
Date:	July 14, 20	22		-	Bob Miller Jr.	ey Persons -Atlas	s On-Site	:
Job No.:	Z05700041	5		_				
	YES	NO]					
Spec's & Drawings Available On-Site:								
THE FOLLOWING WAS NOT	ED:							
Depart Base:	7:00) AM		Den	arted Site:	2:30	PM	
Arrived On-Site:			- -	-	rrive Base:			_
Atlas Technical Consu	ultants LLC	reported t	to site as s	cheduled to	observe the	following	:	
Upon arrival, Atlas ted	hnician ob	served as	the contrac	ctor began	truckina in im	ported m	aterial	
from crusher site in or	der to cont	inue bringi	ing building	g pad to gra	ide.			
Contractor placed 1 lif								
consolidation of the m		-					ا معام معا	4
specifications states to determined by ASTM								ty
was retested to ensure								rought
closer to grade.			9			,		<u> </u>
Atlas technician progra					3.6 @ 7.6% i	nto the de	ensity	
gauge and began con	ducting tes	is on the t	Dackilli mai	eriai.				
Atlas technician condu	ucted (9) te	sts (3 beir	ng retests)	which was	sufficient for	the size o	f	
the area noted above						•		
readings and verified	that the ba	ckfill mate	erial met the	e above sp	ecification red	quirement	S.	
See attached Field De	ensity Repo	rt for resu	lts.					
See attached photos.								
Reviewed By:				FIELD R	EPORT			
GEOR	GE WIE	SNER		SIGNED:		Eddie H	avens	



	Permi	t No:									F	Project No.:	Z057000415		_
	C	lient:	Townshi	p of Curu	ı						٦	Technician:	Eddie Haven	S	<u>_</u>
	Pro	ject:	Cumru T	ownship	Fire Statio	n						DATE:	July 14, 2022		<u>_</u>
Gene	eral Contra	ctor:	Ankiewic	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY
1	133.6		140.9	129.3	11.6	9.0	95.0	96.8	х					building pad soils	
2	133.6		139.3	127.7	11.6	9.1	95.0	95.6	х					building pad soils	
3	133.6		141.7	128.2	13.5	10.5	95.0	96.0	х					building pad soils	
4	133.6		141.2	126.9	14.3	11.3	95.0	95.0	х					building pad soils	
5	133.6		139.6	126.9	12.7	10.0	95.0	95.0	х					building pad soils	
6	133.6		141.1	129.2	11.9	9.2	95.0	96.7	х					building pad soils	
7	133.6		136.8	127.0	9.8	7.7	95.0	95.1	х					building pad soils retest	
8	133.6		141.2	130.1	11.1	8.5	95.0	97.4	х					building pad soils retest	
9	133.6		141.6	129.2	12.4	9.6	95.0	96.7	х					building pad soils retest	
Com						x								SheepsfootBrickfoot	
*	Proctor No).	. <u>-</u>	Maximu	m Density	(PCF)		Opt. Mo	isture ((%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-4 133.6 7.										_		X	Gauge Model #:	3440
														Gauge Serial #	36191
	Gauge Serial # 36191 Standard Counts Moisture Density Method: A Backscatter B Direct Transmission B 656 194														



3 Terri Lane; Suite 4
Burlington, New Jersey 08016
tel. 609-386-8800 · fax 609-386-7951

Atlas Technical Consultants LLC

Project: Cumru Township Fire Station

Date: 7/14/2022







	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATION	IS		
Permit No:				_				
Client:	Township o	of Cumru					AM (°f)	PM (°f)
	· ·		0:	-	Temp	erature:	64	86
Project Name:	Cumru Tov	vnship Fire	Station	_	Weath	er (AM):	Mostly	Sunny
Location:	Cumru Tov	vnship, PA		_	Weath	er (PM):	Moetly	Sunny
Contractor:	Ankiewicz			_	Weath	- (' '''). -	WOStry	Guilly
Date:	July 15, 20	22			Ke	y Person	s On-Site	:
	Z05700041			- -	Bob Miller Jr.	-Atlas		
300 140				- -				
Spec's & Drawings	YES	NO	-	-				
Available On-Site:	. v			-				
THE FOLLOWING WAS NOT	ΓED:							
Depart Base:	7:00) AM		Depa	arted Site:	3:30	PM	
Arrived On-Site:			-	Ar	rive Base:	5:30	PM	-
Atlas Technical Cons	ultants LLC	reported	to site as	scheduled t	o observe the	e followin	ıg:	
Upon arrival, Atlas ted	chnician ob	served as	the contra	ctor began	trucking in ir	nported r	naterial	
from crusher site in or				<u> </u>				
Contractor placed 1 li consolidation of the m						loh		
specifications states t		-					num dens	sitv
determined by ASTM					<u> </u>			<u>-</u>
Approximately half of	pad brougl	nt closer to	grade.	•				
Atlas technician progr					9.7 @ 5.8%	into the o	density	
gauge and began cor	iducting tes	sis on the	Dackiiii iiia	ileriai.				
Atlas technician cond	ucted (5) te	ests which	was suffic	ient for the	size of			
the area noted above	. ,					e compa	ction	
readings and verified	that the ba	ackfill mate	erial met th	ne above sp	ecification re	quireme	nts.	
See attached Field De	ensity Repo	ort for resu	ılts.					
	, - _I							
See attached photos.								
Reviewed By:				FIELD RI	PORT			
GEOR	GE WIE	SNER		SIGNED:	1	Eddie H	lavens	



	Permi	t No:								-	F	Project No.:	Z057000415		_
	CI	lient:	Townshi	ip of Curu	l						٦	Technician:	Eddie Haven	s	_
	Pro	ject:	Cumru 7	Γownship	Fire Statio	n						DATE:	July 15, 2022	2	-
Gene	eral Contra	ctor:	Ankiewi	cz						. G	rading (Contractor:	Ankiewicz		-
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	139.7		145.3	133.3	12.0	9.0	95.0	ACTUAL 95.4	х			GRADE (FT.)	OODGINADE	building pad soils	
2	139.7		145.7	132.7	13.0	9.8	95.0	95.0	X					building pad soils	
3	139.7		146.0	133.5	12.5	9.4	95.0	95.6	х					building pad soils	
4	139.7		146.5	132.8	13.7	10.3	95.0	95.1	х					building pad soils	
5	139.7		147.2	133.9	13.3	9.9	95.0	95.8	х					building pad soils	
														Sheepsfoot Brickfoot	
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	St	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-3				139.7				5.8				x	Gauge Model #:	3440
											_			Gauge Serial #	36191
	Method:	A Ba	ckscatter		B Direct T	ransmissio		В			-			Standard C Moisture 657	Counts Density 1952



Project: Cumru Township Fire Station

Date: 7/15/2022









	DAIL Y REPOI	RT / PROJEC	CT OBSERVATION	IS		
	DAILT KEI GI	KI / I KOOL	or obolivation			
Permit No:						
Client:	Township of Cumru				AM (°f)	PM (°f)
	Cumru Township Fire	Station	Temp	erature:	81	N/A
-			Weath	er (AM): _	Sı	un
	Cumru Township, PA		Weath	er (PM):	N,	/A
Contractor:	Ankiewicz			-		
Date:	July 18, 2022		Bob Miller (G		s On-Site:	
Job No.:	Z057000415		200 (///////	о сары)		
	YES NO]				
Spec's & Drawings Available On-Site:						
THE FOLLOWING WAS NOTE	ED:					
			Departed Sites	9,00	Λ N <i>d</i>	
Arrived On-Site:	7:00 AM 8:00 AM	_ _	Departed Site: Arrive Base:			
ATLAS was en route to	o iobsite when inform	ned that iob wa	as cancelled for the c	lav by AT	LAS	
supervisor an hour bet		, 		<u>, , , , , , , , , , , , , , , , , , , </u>		
ATLAS was scheduled	d for soils compaction	n testing.				
Reviewed By:		FI	ELD REPORT			

Robert Hawthorne

SIGNED: Timothy Hogan



	DAILY REPOR	RT / PROJE	CT OBSERVATION	ONS		
Permit No:						
Client:	Township of Cumru		Tax		AM (°f)	PM (°f)
Project Name:	Cumru Township Fire	Station		nperature:[ather (AM):	76	
Location:	Cumru Township, PA			Sur	nny	
Contractor:	Ankiewicz		vve	ather (PM): _ -		
Date:	August 2, 2022			Key Person Jr- superinte		
Job No.:	z057000415		Boo Willer	ог зарению	Пасти	
Spec's & Drawings	YES NO]				
Available On-Site:	х					
THE FOLLOWING WAS NOT	ED:					
Depart Base: Arrived On-Site:	7:00 AM 9:00 AM	_	Departed Site: Arrive Base:			
		<u>-</u>	Airive Base.	4.00	1 101	
Atlas Technical Consu	ultants LLC reported	to site as sch	eduled to observe	the followin	g:	
Upon arrival, Atlas ted unsuitable soil was relative allow for it to dry. Contractor placed (1) elected to begin compoundations. No compa	moved contractor beg lift (6" loose thicknes paction first thing next	gan to backfil s) of imported morning to a	l loose import fill m	aterial and	spread ma	aterial to
See attached photos. Reviewed By:		F	IELD REPORT			
GEOR	GE WIESNER		SIGNED:	Eddie H	lavens	



Date: 8/2/2022







	DAILY REPOR	RT / PROJECT OBS	SERVATIONS	
Permit No:				
Client:	Township of Cumru		- [AM (°f) PM (°f)
Project Name	Cumru Township Fire	Station	Temperature:	62 87
i rojoci ramo.	Carrie Township Tillo	Clation	Weather (AM):	Mostly Sunny
Location:	Cumru Township, PA		_	-
Contractor	Ankiowioz		Weather (PM):	Mostly Sunny
Contractor:	Afficiente		-	
Date:	August 3, 2022		Key Persor	s On-Site:
			Bob Miller Jr- superinte	endent
Job No.:	Z057000415			
	YES NO	1 .		
Spec's & Drawings		1		
Available On-Site:	X			
THE FOLLOWING WAS NOT	TED:			
THE TOLLOWING WAS NOT	LD.			
Depart Base:	6:00 AM	_ Depa	arted Site: 2:30	PM
Arrived On-Site:	8:00 AM	_ Ar	rive Base: 4:30	PM
Atlas Technical Cons	ultants LLC reported	to site as scheduled t	to observe the follow	ina:
7 tildo 1 commodi como	ditanto EEO Topontoa	to one ao concadica	to observe the relieve	<u></u>
Upon arrival, Atlas ted	chnician observed as	the contractor began	compaction on soil	placed previous day.
Upon completion Atla	s technician observe	ed as contractor place	d next lift of import fil	l material.
0	1:6: /40!! 40!! ! (!	-!-!\	fill as a tanial Occupan	
Contractor placed (1) consolidated the mate				
		ompacted to 95% of the		
ASTM D1557 Modifie		ompacted to cope of a	io maximam denoity	determined by
Atlas technician progr	rammed the Modified	Proctor number of 1	33.6 @ 7.6% into the	density
gauge and began cor	nducting tests on the	backfill material.		
Atlas tachnisian sand	usted (E) tests which	was sufficient for the	aiza of the area note	. d
Atlas technician cond above. After careful o				
the backfill material m			compaction readings	and verified that
	.o. and and to open			
Con official Circles D	anaitu Danaut fau	ulta		
See attached Field De	ensity Report for rest	uits.		
See attached photos.				
TTO GREATING PROTOCOL				
Reviewed By:		FIELD RI	EPORT	
-	GE WIESNER	SIGNED:	Eddie H	lavens



	Permi	t No:								-	F	Project No.:	Z057000415		_
	С	lient:	Townsh	ip of Cum	nru					<u>-</u>	٦	Гесhnician:	Eddie Havens	3	_
	Pro	ject:	Cumru	Township	Fire Statio	n				_		DATE:	August 3, 202	2	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		142.7	128.8	13.9	10.8	95.0	96.4	х					building pad driveway area	1
2	133.6		141.5	128.5	13.0	10.1	95.0	96.2	х					building pad driveway area	à
3	133.6		140.6	127.9	12.7	9.9	95.0	95.7	х					building pad driveway area	à
4	133.6		140.9	127.4	13.5	10.6	95.0	95.4	х					building pad driveway area	ì
5	133.6		142.3	128.1	14.2	11.1	95.0	95.9	х					building pad driveway area	ì
	Rubber-tir						•				_			Sheepsfoot Brickfoot	
Rema	arks:														
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	r Gauge Make:	Troxler
	BS-4				133.6	`		7	7.6	` '			X	Gauge Model #:	
											-			Gauge Serial #	
											-			Standard (
	Method:	А Ва	ckscatte	r	B Direct T	ransmissio	n	В	-		_			Moisture 661	Density 1927



Date: 8/3/2022











GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAIL	Y REPOR	RT / PRO	JECT OB	SERVATION	IS		
Permit No:								
				_				
Client:	Township	of Cumru		_	T	Г	AM (°f)	PM (°f)
Project Name:	Cumru To	wnship Fire	Station	_	-	erature:	75	86
Location:	Cumru To	wnship, PA		_		· · · -	Su	·
Contractor:	Ankiewicz				Weath	er (PM): _	Su	nny
Date:	August 4, 2	2022		_	Ke	y Person	s On-Site:	:
	Z0570004			- -	Bob Miller Jr.			
	YES	NO]					
Spec's & Drawings Available On-Site:								
THE FOLLOWING WAS NOT	ΓED:							
Depart Base:	1.41	5 AM		Den	arted Site:	2:45	DM	
Arrived On-Site:			_	-	rive Base:	4:45		<u>-</u>
			_					
Atlas Technical Cons	ultants I I (? reported	to site as	scheduled	to observe th	e followi	na.	
7 Kilde Teermiedi Cerie	anamo EE	этороноа	10 010 40	0011000100	10 0000110 111	0 10110111	9.	
Atlas technician obse			•	• •	<u>, </u>		•	
air-entrained concrete Reed street and Hunt				sed downst	ream roadwa	y endwa	II footing a	at
Reed street and Hunt	er street ir	itersection	l.					
Atlas technicion inspe	ected coate	ed rebar to	specificat	ion outline	d on Drawing	#122a r	evised	
proposed retaining wa	all section	for rebar a	and concre	te.				
Atlas technician obtai	nad tha aa	parata tial	(ot upop o	rrival and fo	aund that the	contract	or ordoro	d tha
required mix design p								ı irie
required mix deelight p	от оросино				. <u></u> (1000 po.	<u> </u>	., 0, .	
Atlas technician obse								-
of the concrete per the							` '	
were cast (every 100	cubic yard	s) for com	pressive s	trength tes	ting (4"x8" or	6"x12" c	ylinders v	vere used)
The concrete cylinder	s were cas	st and plac	ced at Cun	nru Townsh	nip Recreation	nal buildi	ng	
to avoid direct sunlight								
and sampled per proje	ect specifi	cation AST	ΓM C-172	as outlined	on the drawi	ng speci	fications.	
Con attached photos								
See attached photos.								
Reviewed By:				FIELD R	FPORT			

SIGNED:



GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPORT / PR	ROJECT OBSERVATIONS	
Permit No:			
Client:	Township of Cumru		AM (°f) PM (°f)
Project Name:	Cumru Township Fire Station		75 86
Location:	Cumru Township, PA	Weather (AM): _	Sunny
Contractor:	Ankiewicz	Weather (PM):	Sunny
Date:	August 4, 2022	—— Key Person:	s On-Site:
	Z057000415	Bob Miller Jr Superint	
000 110	YES NO		
Spec's & Drawings	_		
Available On-Site:			
THE FOLLOWING WAS NOT			
Depart Base: Arrived On-Site:		Departed Site: 2:45 Arrive Base: 4:45	
Atlas Technical Cons	ultants LLC reported to site	as scheduled to observe the following	ng:
Linear annivel. Attended		unturation because a secondario of for a secondario	
		entractor began compaction for previous and appropriate testing the next 1' li	
		or. Millings were placed on building p	
top fill for use as stag		n. minings were placed on ballaning p	
<u> </u>	g a		
Contractor placed (1)	lift (10" - 12" loose thicknes	ss) of imported fill material. Contracto	or
consolidated the mate	erial using a Wacker Neuss	on RC70 smooth steel drum roller.	
· · · · · · · · · · · · · · · · · · ·		I must be compacted to 95% of the r	naximum density
determined by ASTM	D1557 Modified Proctor De	ensity.	
Atlanta da dininina a mana	romana al the a Mardifi a d. Dua at	7 CO/ into the	al = := = :#: :
		or number of 133.6 @ 7.6% into the	density
gauge and began cor	nducting tests on the backfil	i materiai.	
Atlas technician cond	ucted (5) tests which was s	ufficient for the size of the area note	d
	· /	recorded the compaction readings	
	net the above specification r		
	·	·	
See attached Field De	ensity Report for results.		
See attached photos.			
Reviewed By:		FIELD REPORT	

SIGNED:



DAILY CONCRETE SUMMARY

						_									
	Client: Township of Cumru Project: Cumru Township Fire Station			Co	General ntractor:	Ankiewicz	Field Tech	hnician: Eddie Ha	vens			АМ	PM		
			-		ation		Concrete ntractor:	Ankiewicz	Project N	Number: <u>Z057000</u> 4	115		Ambient Temp:	75	86
	ocation:					•	Concrete		•	DATE: 8/4/22			Weather:		Sunny
Load No.	Slump (in.)	Conc. Temp. (°F)	Air (%)		Set No.	No. of Cylinders molded	Volume on truck (cy)	LOCATION O (Specify Column Lir Slabs, Walls	nes, Footings,	Truck No.	Ticket #	Batched Time	Arrival Time	Poured	Water Added On- Site (Gal)
1	5.25	85	5.30		1	5	10.0	Downstream End		Pro3002 7	97961	7:00 AM	7:25 AM	8:00 AM	
	CONCRI	ETE STR	ENGTH	REQUIR	 RED (PSI)		DELIVERY TICKET STREI	NGTH (PSI)	ТОТ	AL CUBIC Y	ARDS OF	CONCRETE	PLACED T	ODAY
	CONCRETE STRENGTH REQUIRED (PSI 4,000		-		4,000	10									



	Permit	No:									F	Project No.:	Z057000415			
	CI	ient:	Townshi	ip of Cum	ru					-	7	Technician:	Eddie Haver	ıs		
	Pro	ject:	Cumru 7	Township	Fire Statio	n						DATE:	August 4, 20	22		
Gene	eral Contra	ctor:	Ankiewi	CZ						G	rading (Contractor:	Ankiewicz			
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRI	D COORDINATES	S OR ROADWAY
1	133.6		140.7	127.1	13.6	10.7	95.0	95.1	х						previous lift	
2	133.6		141.7	129.3	12.4	9.6	95.0	96.8	х						previous lift	
3	133.6		140.3	128.7	11.6	9.0	95.0	96.3	х						previous lift	
4	133.6		141.7	127.7	14.0	11.0	95.0	95.6	х						previous lift	
5	133.6		141.3	127.5	13.8	10.8	95.0	95.4	х						previous lift	
6	133.6		143.3	129.1	14.2	11.0	95.0	96.6	х						current lift	
7	133.6		140.6	128.5	12.1	9.4	95.0	96.2	х						current lift	
8	133.6		140.6	128.5	12.1	9.4	95.0	96.2	х						current lift	
9	133.6		140.0	127.0	13.0	10.2	95.0	95.1	х						current lift	
10	133.6		140.7	127.9	12.8	10.0	95.0	95.7	х						current lift	
														Sheepsfoot		
*	*Proctor No. Maximum Density (PCF) Opt. Moisture (%) Std. Proctor Mod. Proctor Gauge Make: Troxler															
	BS-4				133.6			7	7.6		-		X	Gau	ge Model #:	3440
											•			Gau	ge Serial # _	36191
	Method:	A Ba	ckscatter		B Direct T	ransmissio	. <u>—</u>	В	<u> </u>		-				Standa Moisture 662	ard Counts Density 1943



Date: 8/4/2022













Date: 8/4/2022



















	DAILY REPOR	RT / PRO	JECT OBS	SERVATIO	NS		
Permit No:			_				
Client:	Township of Cumru					AM (°f)	PM (°f)
		O	_	Temp	perature:	76	85
Project Name:	Cumru Township Fire	Station	-	Weath	ner (AM):	Su	inny
Location:	Cumru Township, PA		_				
Contractor:	Ankiewicz		_	Weath	ner (PM): _ -	Su	inny
Date:	August 5, 2022		_		ey Person		:
Joh No :	Z057000415			Bob Miller Jr	Superin	tendent	
305 No	2037000413		_				
On talls & Business	YES NO]					
Spec's & Drawings Available On-Site:	1 Y I						
THE FOLLOWING WAS NOT Depart Base: Arrived On-Site:	6:00 AM	_	-	arted Site: _ rive Base:	2:00 4:00		_
Arrived On-Site.	0.00 AIVI	-	AI	iive base	4.00	r IVI	-
Atlas Technical Cons	ultants LLC reported	to site as	scheduled	to observe t	he followi	ng:	
Upon arrival, Atlas ted	chnician observed as	the contra	actor begar	to place 1	lift of impo	ort fill mat	erial
for building pad drive				•	'		
Contractor placed (1) consolidated the mate Job specifications stated determined by ASTM	erial using a Wacker tes that the backfill m	Neusson naterial mu	RC70 smoo	oth steel dru	m roller.		density
Atlas technician progr	rammed the Modified	l Proctor n	umber of 1	33 6 @ 7 6º	/ into the	density	
gauge and began cor				33.0 @ 7.07	o irito trie	derisity	
Atlas technician cond							a d th a t
above. After careful of the backfill material m	· · · · · · · · · · · · · · · · · · ·			compaction	readings	and verifi	ed that
THE BACKIII MATERIAL II	ict the above specific	battori roqt	anomonio.				
See attached Field De	ensity Report for rocu	ılte					
See attached Field Di	ensity Nepolition lest	uito.					
See attached photos.							
Reviewed By:			FIELD R	EPORT			
GEOR	GE WIESNER		SIGNED:		Eddie H	lavens	



	Permi	t No:									F	Project No.:	Z057000415		_
	C	lient:	Townsh	ip of Cum	ıru						٦	Гесhnician:	Eddie Havens	3	_
	Pro	ject:	Cumru	Гоwnshiр	Fire Statio	n				1		DATE:	August 5, 202	22	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		-
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX SITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		140.0	127.5	12.5	9.8	95.0	95.4	х			· · ·		Building Pad Driveway Area	<u> </u>
2	133.6		141.4	128.0	13.4	10.5	95.0	95.8	х					Building Pad Driveway Area	1
3	133.6		140.9	128.2	12.7	9.9	95.0	96.0	х					Building Pad Driveway Area	à
4	133.6		140.5	127.6	12.9	10.1	95.0	95.5	х					Building Pad Driveway Area	à
5	133.6		141.1	129.0	12.1	9.4	95.0	96.6	х					Building Pad Driveway Area	ì
				-											
	paction Ed Rubber-tir					X								SheepsfootBrickfoot	-
4	Proctor No).	<u> </u>	Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-4				133.6			7	7.6		_		X	Gauge Model #:	3440
											_			Gauge Serial #	36191
	Method:	A Ba	ckscatter	r	B Direct T	ransmissio	n	В	<u> </u>		-			Standard C Moisture 661	Counts Density 1944



Date: 8/5/2022







	DAILY REPOR	T / PROJECT OB	SERVATIONS		
Permit No:					
Client:	Township of Cumru			AM (°f)	PM (°f)
Olicit.	Township of Cumru		Tempera		85
Project Name:	Cumru Township Fire	Station	Weather (AM): Su	nny
Location:	Cumru Township, PA				•
Contractor:	Ankiewicz		Weather (PM):Su	nny
Date:	August 8, 2022		Key P	ersons On-Site	:
			Bob Miller Jr S	uperintendent	
Job No.:	Z057000415				
	YES NO	1			
Spec's & Drawings		1			
Available On-Site:	X				
THE FOLLOWING WAS NOT	ΓED:				
Depart Base:	6:30 AM	De	parted Site:	3:30 PM	
Arrived On-Site:	8:30 AM	A	Arrive Base:	5:30 PM	-
			·		
Atlas Technical Cons	ultanta I.I.C. rapartad	to cito as sobodulos	l to observe the f	ollowing:	
Alias reclinical Cons	ultarits LLC reported	to site as scriedulet	i to observe the i	ollowing.	
Upon arrival, Atlas ted	 chnician observed as	the contractor bega	n to place 1 lift o	f import fill mat	erial
for building pad drive		<u>~</u>			
for driveway area.					
Contractor placed (2)	•				
consolidated the mate					
Job specifications sta			npacted to 95% o	of the maximum	density
determined by ASTM	D1557 Modified Pro	ctor Density.			
Atlas technician progr	rammed the Modified	Proctor number of	133 6 @ 7 6% in	to the density	
gauge and began cor					
Atlas technician cond					
above. After careful o	· · · · · · · · · · · · · · · · · · ·		•	dings and verifi	ed that
the backfill material m	net the above specific	cation requirements.			
See attached Field De	ensity Report for resu	ults.			
See attached photos.					
		FIEL D.	PEDORT		
Reviewed By:	\\\\		REPORT		
GEOR	GE WIESNER	SIGNED	: Ed	die Havens	



	Permi	t No:								ı	F	Project No.:	Z057000415		_
	C	lient:	Townshi	ip of Cum	ru					·	٦	Гесhnician:	Eddie Havens	S	_
	Pro	ject:	Cumru 7	Township	Fire Statio	n				ı		DATE:	August 8, 202	22	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX SITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		139.7	127.0	12.7	10.0	95.0	95.1	х					Building Pad Driveway Area	1
2	133.6		141.1	127.5	13.6	10.7	95.0	95.4	х					Building Pad Driveway Area	1
3	133.6		142.1	128.4	13.7	10.7	95.0	96.1	х					Building Pad Driveway Area	ı
4 133.6 141.0 127.1 13.9 10.9 95.0 95.1 x Building Pad Driveway Area													ì		
5 133.6 140.7 127.1 13.6 10.7 95.0 95.1 x													Building Pad Driveway Area	ì	
6														Driveway extension	
7	133.6	1	142.0	127.6	14.4	11.3	95.0	95.5	х					Driveway extension	
8	133.6	2	142.3	129.1	13.2	10.2	95.0	96.6	х					Driveway extension	
9	133.6	2	142.2	128.9	13.3	10.3	95.0	96.5	х					Driveway extension	
	paction Ed Rubber-tir					X								SheepsfootBrickfoot	-
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture ((%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS-4				133.6			7	7.6		_		X	Gauge Model #:	3440
							. <u></u>							Gauge Serial #	36191
	Method:	A Ba			B Direct T	ransmissio	n	В	<u> </u>		-			Standard C Moisture 657	Counts Density 1933



Date: 8/8/2022

















Date: 8/8/2022















	DAILY REPOR	RT / PRO	JECT OBS	SERVATION	NS		
Permit No:			_				
Client:	Township of Cumru					AM (°f)	PM (°f)
			_	Temp	erature:	82	90
Project Name:	Cumru Township Fire	Station	_	Weath	er (AM):	Su	nny
Location:	Cumru Township, PA		_		· · · _		,
Contractor:	Ankiewicz		_	weath	er (PM): _ _	Su	nny
Date:	August 9, 2022		_		ey Person		:
Job No.:	Z057000415			Bob Miller Jr.	- Superint	tendent	
		7	_				
Spec's & Drawings	YES NO	4					
Available On-Site:	1 Y I						
THE FOLLOWING WAS NOT	ΓED:						
Depart Base:		_	-	arted Site:	2:30		_
Arrived On-Site:	8:30 AM	_	Ar	rive Base:	4:30	PM	-
Atlas Technical Cons	ultants LLC reported	to site as	scheduled	to observe th	ne followir	ng:	
	·						
Upon arrival, Atlas ted				•			
roadway, placement of extension.	of import fill material	for drivewa	ay and exte	nsion, and c	ompactio	n for ariv	eway and
extension.							
Contractor placed app	proximately (4) lifts (1	10" - 12" lc	ose thickne	ess) of impor	ted fill ma	aterial. Co	ontractor
consolidated the mate							
Job specifications sta				pacted to 95°	% of the r	naximum	density
determined by ASTM	D1557 Modified Pro	ctor Densi	ty.				
Atlas technician progr	rammed the Modified	l Proctor n	umber of 1	33.6 @ 7.6%	6 into the	density	
gauge and began cor				20.0 0 1.07			
<u> </u>	Ū						
Atlas technician cond							
above. After careful o				compaction	readings	and verifi	ed that
the backfill material m	net the above specific	cation requ	urements.				
See attached Field De	ensity Reports for res	sults.					
Coo officehod phates							
See attached photos.							
Reviewed By:			FIELD R	EPORT			
-	GE WIESNER		SIGNED:		Eddie H	avens	



	Permi	t No:									F	Project No.:	Z057000415		_
	C	lient:	Townshi	ip of Cum	ru						٦	Technician:	Eddie Havens	5	_
	Pro	ject:	Cumru 7	Township	Fire Statio	n						DATE:	August 9, 202	22	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		144.0	130.9	13.1	10.0	95.0	98.0	х					Building Pad Driveway Are	a
2	133.6		143.1	130.8	12.3	9.4	95.0	97.9	х					Building Pad Driveway Are	
3	133.6		141.3	128.3	13.0	10.1	95.0	96.0	х					Building Pad Driveway Are	a
4 133.6 142.0 129.4 12.6 9.7 95.0 96.9 x Building Pad Driveway Area												a			
5 133.6 141.6 128.6 13.0 10.1 95.0 96.3 x Building Pad Driveway Area													a		
 												Driveway Extension			
7	133.6		142.3	129.0	13.3	10.3	95.0	96.6	х					Driveway Extension	
8	133.6	1	142.2	129.6	12.6	9.7	95.0	97.0	х					Driveway Trench	
9	133.6	1	142.0	128.0	14.0	10.9	95.0	95.8	х					Driveway Trench	
10	133.6	2	142.6	127.1	15.5	12.2	95.0	95.1	х					Drriveway Trench	
	paction Ed Rubber-tir		nent Use			x					-			SheepsfootBrickfoot	
*	Proctor No).		Maximu	m Density	(PCF)	. <u> </u>	Opt. Mo	isture ((%)	St	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
BS-4 133.6 7.6													<u> x</u>	Gauge Model #:	3440
														Gauge Serial #	36191
	Method:	А Ва	ckscatter		B Direct T	ransmissio	. <u>—</u> n	В						Standard (Moisture 660	Counts Density 1937



	Permi	t No:									F	Project No.:	Z057000415		_
	CI	ient:	Townshi	ip of Cum	ıru						٦	Гесhnician:	Eddie Haven	S	_
	Pro	ject:	Cumru 7	Township	Fire Statio	n				-		DATE:	August 9, 20	22	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
11	133.6	2	142.6	127.3	15.3	12.0	95.0	95.3	х			,		Driveway Trench	
12	133.6	3	140.6	127.0	13.6	10.7	95.0	95.1	х					Driveway Trench	
13	133.6	3	142.4	127.3	15.1	11.9	95.0	95.3	х					Driveway Trench	
														SheepsfootBrickfoot	-
*	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Proct	or Gauge Make:	Troxler
	BS-4				133.6			7	7.6		_		X	Gauge Model #:	3440
											_			Gauge Serial #	36191
	Method:	A Ba	ckscatter		B Direct T	ransmissio	. <u>—</u>	В	_		-			Standard C Moisture 660	Counts Density 1937



Date: 8/9/2022















GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPOR	T / PROJECT OBS	ERVATIONS		
Permit No:	<u> </u>				
Client:	: Township of Cumru			AM (°f)	PM (°f)
	: Cumru Township Fire	Station	Temperature:	74	85
	: Cumru Township, PA		Weather (AM): _	Sui	nny
Contractor:			Weather (PM):	Sui	nny
	: August 10, 2022		- Key Person	s On-Site	
	: Z057000415	<u>_</u>	Bob Miller Jr Superint		•
005 No	YES NO				
Spec's & Drawings Available On-Site:	,	<u>-</u>			
THE FOLLOWING WAS NO	•				
Depart Base:	5:00 AM		rted Site: 2:00		_
Arrived On-Site:	7:00 AM	. Arr	ive Base: 4:00	РМ	-
Atlas Technical Cons	ultants LLC reported	to site as scheduled to	o observe the following	na:	
				.9.	
		or placed approximatel		•	dura.
endwall at Reed stree		er and High Early for to entersection	ne proposed downst	ream roa	uway
Chawan at 1100a on o	2t and Flantor officet in	noroconon.			
		specification outlined	on Drawing #122a re	evised	
proposed retaining wa	all section for rebar a	nd concrete.			
Atlas technician obtai	ined the concrete tick	et upon arrival and fou	and that the contractor	or ordered	d the
		ined on Drawing# 122			d tric
	<u> </u>	<u> </u>	\	, ,	
	•	ur as well as tested the			•
-		tandards (C-143, C-10		(5) cylind	lers
were cast (every 100	cubic yards) for com	pressive strength testi	ng 4"x8".		
The concrete cylinder	re were east and plac	ed at Cumru Townshi	a Pagragtional buildi	20	
		her conditions. Concre		ig	
		M C-172 as outlined of		ications.	
See attached photos.					
Reviewed By:		FIELD RE	PORT		

SIGNED:



GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPORT / PRO	DJECT OBSERVATIONS	
Permit No:			
		_	
Client:	Township of Cumru		AM (°f) PM (°f)
Project Name:	Cumru Township Fire Station	Temperature:	74 85
Location:	Cumru Township, PA	Weather (AM): _	Sunny
Contractor:		Weather (PM):	Sunny
Contractor.	ATRIEWICZ		
Date:	August 10, 2022	Key Persons Bob Miller Jr Superint	
Job No.:	Z057000415		Briderit
	YES NO		
Spec's & Drawings			
Available On-Site:	X		
THE FOLLOWING WAS NOT	ΓED:		
Depart Base: Arrived On-Site:		Departed Site: 2:00 F Arrive Base: 4:00 F	
Arrived On-Site:	7.00 AW	Arrive Base: 4:00 F	<u>-1VI</u>
Atlas Technical Cons	ultants LLC reported to site as	s scheduled to observe the following	ıg:
Linon arrival Atlas to	chnician observed as the cont	tractor trucked in import fill materia	l and began
		o grade. Contractor began grading	
of final driveway lift.	<u>, , , , , , , , , , , , , , , , , , , </u>		
Contractor placed (1)	lift (10" - 12" loose thickness)	of imported fill material. Contracto	or
consolidated the mate	riai using a vvacker Neusson	RC70 smooth steel drum roller.	
Job specifications sta	tes that the backfill material n	nust be compacted to 95% of the n	naximum density
	D1557 Modified Proctor Dens	·	•
		number of 133.6 @ 7.6% into the	density
gauge and began con	nducting tests on the backfill n	naterial.	
Atlas technician cond	ucted (5) tests which was suff	ficient for the size of the area noted	
		ecorded the compaction readings a	
	net the above specification rec		
See attached Field De	ensity Report for results.		
Coo ottoobod photos			
See attached photos.			
Reviewed By:		FIELD REPORT	

SIGNED:



DAILY CONCRETE SUMMARY

Client: Township of Cumru Co						_														
	0	- .					General								514					
	Client:	Townsh	ip of Cur	mru			ntractor: Concrete	Ankiewicz	Field Technic	cian: Eddie Hav	vens		Ambient	AM	PM					
	Project:	Cumru	Townshii	o Fire Sta	ation			Ankiewicz	Proiect Num	nber: Z0570004	115		Temp:		85					
			<u> </u>				Concrete		•											
Le	ocation:		Township	p, PA	•		Supplier:	Rahn's Concrete	DA	ATE : 8/10/22		_	Weather:		sunny					
Load No.	Slump (in.)	Conc. Temp. (°F)	Air (%)	Unit Weight	Set No.	No. of Cylinders molded	Volume on truck (cy)	LOCATION OF (Specify Column Lind Slabs, Walls,	es, Footings,	Truck No.	Ticket #	Batched Time	Arrival Time	Poured Time End	Water Added On- Site (Gal)					
1	5.50	86	5.10		1	5	7.0	Downstream E		Pro3008 8	98103	9:55 AM	10:15 AM	10:45 AM						
CONCRETE STRENGTH REQUIRED (PS				RED (PSI)		DELIVERY TICKET STREN	ENGTH (PSI) TOTAL CUBIC YARDS OF CONCRETE				CONCRETE	PLACED T	ODAY						
	4,000									-								7		



	Permi	t No:									F	Project No.:	Z057000415		_
	C	lient:	Townsh	ip of Cum	nru						7	Гесhnician:	Eddie Haven	s	_
	Pro	ject:	Cumru	Township	Fire Statio	n				ī		DATE:	August 10, 20	022	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		-
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	133.6		142.3	127.6	14.7	11.5	95.0	95.5	х					Building pad driveway area	
2	133.6		141.9	127.7	14.2	11.1	95.0	95.6	Х					Building pad driveway area	ı
3	133.6		142.1	128.8	13.3	10.3	95.0	96.4	х					Building pad driveway area	l
4	133.6		141.4	128.3	13.1	10.2	95.0	96.0	х					Building pad driveway area	I
5	133.6		142.7	129.1	13.6	10.5	95.0	96.6	х					Building pad driveway area	I
	paction Education Rubber-tire					x								SheepsfootBrickfoot	-
,	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo		(%)	S	td. Proctor	Mod. Procto	<u> </u>	
	BS-4				133.6		· <u> </u>	7	7.6		_		X	Gauge Model #:	
											-				36191
	Method:	A Ba	ckscatter	r	B Direct T	ransmissio	n ——	В	_		-			Standard C Moisture 657	Counts Density 1943



Date: 8/10/2022















GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATIONS	<u> </u>		
Permit No:				-				
Client:	Township	of Cumru					AM (°f)	PM (°f)
Project Name:	Cumru Tov	wnshin Fire	Station	_	Tempe	rature:	60	
				-	Weather	(AM):	Mostly	Sunny
Location:	Cumru Tov	wnship, PA		-	Weather	(PM):		
Contractor:	Ankiewicz			-				
Date:	August 17,	2022		_			s On-Site	
Job No.:	Z0570004 ²	15			Jeff Skinner - s	ub Supe	erintendent	
			1	_				
Spec's & Drawings	YES	NO	-					
Available On-Site:	Х							
THE FOLLOWING WAS NOT	ΓED:							
Depart Base:	6:00) AM		Dep	arted Site:	11:00) AM	
Arrived On-Site:	8:00) AM	- -	Ar	rive Base:	1:00	PM	•
Atlas Technical Cons	ultants LL0	C reported	to site as	scheduled	to observe the	follow	ing:	
Upon arrival, Atlas ted	chnician ob	served as	the contra	actor begar	preparing roa	adway f	or further	work
Roadway was intended	ed to be co	mplete in	order to pe	erform proc	f roll of roadwa			
remediating until road	lway is at o	depth requ	ired to bac	kfill stone l	oase.			
Upon inquiring with S	uperintend	lent and co	ontractor it	was decid	ed that work w	ould no	ot be comp	oleted
by end of day for Atla								
Reviewed By:				FIELD R	EPORT			

SIGNED:



	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATION	IS		
Permit No:				_				
Client:	Township o	of Cumru		_	_	_	AM (°f)	PM (°f)
Project Name:	Cumru Tow	nship Fire	Station	_		erature:	76	78
Location:	Cumru Tow	vnship, PA		_		er (AM): _ 		
Contractor:	Ankiewicz			_	Weath	er (PM): _ _	р. с	loudy
Date:	August 22,	2022				y Persons		:
Job No.:	z05700041	5		- 	Bob Miller Jr.	Superinter	naent	
Spec's & Drawings	YES	NO]	- -				
Available On-Site:	x			-				
THE FOLLOWING WAS NOT	ED:							
Depart Base:	7:00	AM	_	Depa	arted Site:	2:00 F	PM	_
Arrived On-Site:	9:00	AM	_	Arı	rive Base:	4:00 F	PM	_
Atlas Technical Consu	ultants LLC	reported	to site as s	scheduled to	observe the	following	j:	
Atlas technician obser	ved as the	contracto	r nlaced a	nnroximatel	/ 16 cubic va	ords of 40	∩∩nsi	
air-entrained concrete								et
intersection.	•							
Atlas technician obtair	ned the cor	ncrete tick	et upon ar	rival and fou	nd that the c	ontractor	ordered	the
required mix design pe								
Rebar was inspected	to specifica	itions as p	er Drawin	g 122a for re	evised retain	ing wall s	ection.	
Atlas technician obser	ved the co	ncrete pol	ur as well a	as tested the	slump, air d	content, a	nd the te	mperature
of the concrete per the	e applicable	e ASTM st	tandards (C-143, C-10	64, C-231).	1 set of (3	3) cylinde	ers
were cast (every 100 c	cubic yards	s) for comp	oressive st	rength testir	ng (4"x8" or 6	6"x12" cyl	inders w	ere used).
The concrete cylinders	s were cast	t and place	ed at Cum	ru Townshir	Recreation	huilding		
to avoid direct sunligh						building		
and sampled per proje						g specific	ations.	
See attached photos.								
<u> </u>				EIEI D DI	DORT			
Reviewed By:	ce Wie	CNED		FIELD RE		Eddie H:	avone	



DAILY CONCRETE SUMMARY

						_										
	011 4	- .				General Contractor: Ankiewicz			Field Technician, Eddic Hovens						D14	
Client: Township of Cumru Project: Cumru Township Fire Station							ntractor: Concrete		Field Technician: Eddie Havens				Ambient	AM	PM	
						Contractor: Ankiewicz			Project Number: Z057000415				Temp:	76	78	
							Concrete									
Location: Cumru Township, PA			Supplier: Esterly concrete		DATE: 8/22/22			<u> </u>	Weather:		p. cloudy					
Load No.	Slump (in.)	Conc. Temp. (°F)	Air (%)	Unit Weight	Set No.	No. of Cylinders molded	Volume on truck (cy)	LOCATION OF (Specify Column Line Slabs, Walls,	es, Footings,	Truck No.	Ticket #	Batched Time	Arrival Time	Poured Time End	Water Added On- Site (Gal)	
1	3.50	77	4.90		1	3	8.0	Upstream headwa	all footing	5	na	on site mix	12:30 PM	12:45 PM		
2							8.0	Upstream headwa	all footing	5	na	on site mix	1:45 PM	2:00 PM		
CONCRETE STRENGTH REQUIRED (PSI))		DELIVERY TICKET STREN	GTH (PSI)	TOTAL CUBIC YARDS OF CONCRETE PL				PLACED T	ODAY	
4,000							4,000				16					



Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Project: Cumru Township Fire Station

Date: 8/22/2022









Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 **Burlington, New Jersey 08016** tel. 609-386-8800 · fax 609-386-7951

	DAIL	Y REPOR	RT / PROJ	ECT OBSER	VATIONS			
Permit No:								
				-			, I	_
Client:	Township o	of Cumru			Tempera	ture:	AM (°f) 78	PM (°f) 89
Project Name:	Cumru Tow	nship Fire	Station	.	Weather (-		
Location:	Cumru Tow	nship						
Contractor:	Ankiewicz				Weather ((PM): _	Sı	ın
Date:	August 25,	2022		•	Kev F	ersons	s On-Site:	
	Z05700041			Bob	Miller (GC S			
JOD NO			1	. <u>-</u>				
Spec's & Drawings	YES	NO	1					
Available On-Site:		Х						
THE FOLLOWING WAS NOT	ED:							
Depart Base:	7:00	AM		Departe	d Site:	1:00 I	PM	
Arrived On-Site:			-		Base:	3:00 I	PM	
ATLAS arrived as sch	eduled and	observed	the followi	ng				
ATLAS reported to Bo	b Miller (G	C Super) u	ıpon arriva	l and was infor	med of conc	rete pl	acement	
for the Headwall locate								
7 yards of 4,000 PSI A	AE concrete	was deliv	ered and p	placed by Easte	erly Concrete	on th	is day's p	our
•				<u>-</u>	·			
1 set of 5 4x8 concrete	e cylinders	were cast	ior compre	essive strength	testing.			
ATLAS performed req	uired slum	o and air te	est as per <i>i</i>	ASTM standard	ds			
Please see Concrete	Summary a	nd attache	ed photos f	or more inform	ation			
Reviewed By:				FIELD REPO	ORT			
Robert F	lawthorr	ne .		SIGNED:		othy	Hogan	



DAILY CONCRETE SUMMARY

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Permit No: General Client: Township of Cumru Contractor: Ankiewicz Enterprises Field Technician: Timothy Hogan PM AM Concrete **Ambient Project:** Cumru Township Fire Station Contractor: RJS Construction Project Number: Z057000415 Temp: 78 89 Concrete Location: Cumru Township Supplier: Easterly Concrete **DATE:** 8/25/22 Weather: Sun Sun Conc. LOCATION OF POUR No. of Water Load Slump Truck Poured Unit Batched Volume on Temp. Air (%) Set No. Cylinders Ticket# Arrival Time (Specify Column Lines, Footings, Slabs, Weight Added Ontruck (cy) Time Time End No. No. (in.) molded (°F) Walls, Etc.) Site (Gal) 5.00 94 4.00 NA 7.0 Headwall 1 17508 10:00AM 10:20AM 11:00AM NA 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 **CONCRETE STRENGTH REQUIRED (PSI) DELIVERY TICKET STRENGTH (PSI)** TOTAL CUBIC YARDS OF CONCRETE PLACED TODAY 4.000 4.000



Project: Cumru Twp Fire Station Mohnton, PA

Date: 08-25-2022







GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPOR	T / PROJECT OBSI	ERVATIONS		
Permit No:					
Client:	Township of Cumru		Temperature:	AM (°f) 61	PM (°f)
Project Name:	Cumru Twp Fire Station	<u>1</u>			<u>I</u>
Location:	Cumru Twp. PA		Weather (AM): _	light	rain
			Weather (PM):		
Contractor:	Ankiewicz		_		
Date:	October 25, 2022		Key Person		:
Joh No ·	Z057000415	Ē	Bob Miller Jr - Superint	endent	
005 140					
Spec's & Drawings	YES NO	_			
Available On-Site:	l v				
THE FOLLOWING WAS NOT	red.				
Depart Base: Arrived On-Site:	7:00 AM		rted Site: 12:00 ive Base: 2:00		-
Arrived On-Site:	9.30 AIVI	Am		PIVI	-
Atlas Technical Cons	ultants LLC reported t	o site as scheduled to	o observe the following	ng:	
Upon arrival, Atlas ted	chnician observed as	the contractor began	to grade and compa	ct 2A mod	dified
stone from quarry for					
was prepared.					
Contractor placed 1 li	ft (10" - 12" loose thic	kness) of imported 24	modified Contracto	or	
consolidated the mate				<u>, </u>	
Job specifications sta				maximum	density
determined by ASTM	D1557 Modified Proc	tor Density.			
Atlas technician progr	ammed the Modified	Proctor number of 15	2.8 @ 6.4% into the	density	
gauge and began cor				<u> </u>	
Atlas technician cond	uotod (2) tooto which	was sufficient for the	cize of the erec note	<u> </u>	
above. After careful o	· /				ed that
the backfill material m			opaotion roadingo	<u> </u>	od tilat
	·	•			
See attached Field De	ensity Report for resu	ts.			
See attached photos.					
oce attached photos.					
Reviewed By:		FIELD RE	PORT		



	Permi	t No:								ī	F	Project No.:	Z05700041	5	_
	C	lient:	Townsh	ip of Cum	nru					ī	7	Гесhnician:	Eddie Have	ens	_
	Pro	ject:	Cumru	Гwp. Fire	Station							DATE:	October 25	, 2022	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY
1	152.8		150.9	148.2	2.7	1.8	95.0	97.0	х					welsh rd subbase (100' section located at r	nunicipal bldg en
2	152.8		147.3	145.6	1.7	1.2	95.0	95.3	х					welsh rd subbase (100' section located at r	nunicipal bldg en
3	152.8		150.1	146.7	3.4	2.3	95.0	96.0	х					welsh rd subbase (100' section located at r	nunicipal bldg en
				<u> </u>	<u> </u>	<u> </u>			<u> </u>		<u> </u>				
Com	paction E	quipr	nent Use	ed:	Vibratory:	X	Non-Vi	bratory			Smo	oth Steel Dr	um>	SheepsfootBrickfoot	
	Rubber-tir	ed		Vibrat	ory Plate		Walk	Behind	Steel [Drum	_	Other:			_
Rema	arks:														
														_	
	Proctor No			Maximu		(PCF)		Opt. Mo		(%)	<u> </u>	td. Proctor	Mod. Pro		
2	2A Modified	<u>b</u>			152.8			- 6	6.4		-		X	<u> </u>	
			. —				. —				-			Gauge Serial #	
	Method:	A Ba	ckscatter	-	B Direct T	ransmissio	. <u>—</u> n	В	_		-			Standard Moisture 664	Counts Density 1658



Project: Cumru Twp. Fire Station

Date: 10/25/2022





Atlas Technical Consultants LLC

tel. 609-386-8800 · fax 609-386-7951

Burlington, New Jersey 08016

3 Terri Lane; Suite 4





GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPOR	T / PROJECT OBS	SERVATIONS		
Permit No:					
					1
Client:	Township of Cumru			AM (°f)	PM (°f)
Project Name:	Cumru Township Fire	Station	Temperature:	51	61
i roject italiic.	Odiffication Township Tiffe	Otation	Weather (AM):	Clo	oudy
Location:	Cumru Twp. PA		_		
Comtractors	Ankinuin		Weather (PM): _	Clo	oudy
Contractor:	ATIKIEWICZ		-		
Date:	October 31, 2022		Key Person		:
	7000044-		Bob Miller Jr- Superinte	ndent	
Job No.:	Z057000415				
	YES NO	1			
Spec's & Drawings	1 V I	1			
Available On-Site:					
THE FOLLOWING WAS NOT	ΓED:				
	7:00 AM	-	arted Site: 3:00		<u>-</u>
Arrived On-Site:	9:00 AM	_ Ar	rrive Base: 5:00	PM	-
Atlas Technical Cons	ultants LLC reported	to site as scheduled	to observe the following	na:	
	'				
Upon arrival, Atlas ted				ct Welsh	rd.
Approximately 200 ft	of 2A modified stone	placed as subbase f	or welsh rd.		
Contractor placed 1 li	ft (10" - 12" loose thic	cknoss) of imported 3	2A modified stone. Co	otractor	
consolidated the mate				illiacioi	
specifications states t		*		mum den	sity
determined by ASTM					•
Atlas technician progr	cammod the Medified	Droctor number of 1	52 8 @ 6 10/ into the	doncity	
gauge and began cor			52.6 @ 6.4% IIII0 lile	density	
gaage and began eer	ladding tools on the	baokiii materiai.			
Atlas technician cond	ucted (2) tests which	was sufficient for the	size of the area note	d	
above. After careful o	bservation, Atlas tech	hnician recorded the	compaction readings	and verifi	ed that
the backfill material m	et the above specific	cation requirements.			
0	analta Deres et f	.14			
See attached Field De	ensity Report for resu	JITS.			
See attached photos.					
200 attached photos.					
Reviewed By:		FIELD R	EPORT		



	Permi	t No:									F	Project No.:	Z057000415		_
	С	lient:	Townsh	ip of Cum	nru						٦	Гесhnician:	Eddie Haven	s	_
	Pro	ject:	Cumru	Гwp. Fire	Station					•		DATE:	October 31, 2	2022	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		-
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OR STATION	ROADWAY
1	152.8		149.3	146.7	2.6	1.8	95.0	96.0	х					welsh road	
2	152.8		151.1	147.1	4.0	2.7	95.0	96.3	х					welsh road	
3	152.8		149.5	146.3	3.2	2.2	95.0	95.7	х					welsh road	
4	152.8		148.2	145.9	2.3	1.6	95.0	95.5	х					welsh road	
5	152.8		149.8	145.6	4.2	2.9	95.0	95.3	х					Drive way (welsh rd side)	
6	152.8		150.6	147.5	3.1	2.1	95.0	96.5	х					Drive way (welsh rd side)	
7	152.8		153.0	149.1	3.9	2.6	95.0	97.6	х					Drive way (welsh rd side)	
					<u> </u>										
Com	paction E	auipr	nent Use	ed:	Vibratory:	x	Non-Vi	bratorv			Smo	oth Steel Dr	um x	Sheepsfoot Brickfoot	
Rem	arks:			-	,		•					•			-
,	Proctor No).		Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	2A Modifie	d			152.8			6	6.4		-		X	Gauge Model #:	3440
											•			Gauge Serial #	29069
											_			Standard C	
	Method:	А Ва	ckscatter	r	B Direct T	ransmissio	n	В	_					Moisture 667	Density 1652



Project: Cumru Twp. Fire Station

Date: 10/31/2022













GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPORT	T / PROJECT OBS	SERVATIONS		
Permit No:					
					lo
Client:	Township of Cumru		Tomporeture	AM (°f) 58	PM (°f)
Project Name:	Cumru Township Fire S	Station	Temperature:	36	65
			Weather (AM):	sui	nny
Location:	Cumru Twp. PA				
Contractor:	Ankiewicz		Weather (PM):	Sui	nny
Contractor.	ATRIEWICZ		_		
Date:	November 1, 2022		Key Person		
lah Na	7057000445		Bob Miller Jr- Superinte	endent	
JOD NO.:	Z057000415				
	YES NO	,			
Spec's & Drawings	1 v 1				
Available On-Site:					
THE FOLLOWING WAS NO	ΓED:				
-	6:30 AM	-	arted Site: 1:30		-
Arrived On-Site:	8:30 AM	Ar	rive Base: 3:30	PM	<u>.</u>
Atlas Technical Cons	ultants LLC reported to	o site as scheduled	to observe the following	ng:	
	•			<u> </u>	
	chnician observed as t			ct Welsh	rd.
Approximately 200 ft	of 2A modified stone p	placed as subbase for	or welsh rd.		
Contractor placed 1 li	ft (10" - 12" loose thicl	kness) of imported 2	A modified stone		
	ed the material using				
	hat the backfill materia	•		mum den	sity
	D1557 Modified Proc				•
Atlas tochnician progr	rammed the Modified	Proctor number of 1	52.8 @ 6.4% into the	doneity	
	iducting tests on the b		52.6 @ 0.4 % IIIIO IIIE	density	
gaago ana bogan oor	iddolling toolo on the b	vacitiii irratoriai.			
Atlas technician cond	ucted (2) tests which	was sufficient for the	size of the area note	d	
above. After careful o	bservation, Atlas tech	nician recorded the	compaction readings	and verifi	ed that
the backfill material m	net the above specification	ation requirements.			
Con official City D	anaitu Danaut farras - 1	lto.			
See attached Field De	ensity Report for resul	īS.			
See attached photos.					
200 attached priotos.					
Reviewed By:		FIELD R	EPORT		



	Permi	t No:								ı	F	Project No.:	Z057000415		
	С	lient:	Townsh	ip of Cum	nru					•	7	Technician:	Eddie Havens	3	_
	Pro	ject:	Cumru	Гwp. Fire	Station					i		DATE:	November 1,	2022	
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES O	OR ROADWAY
1	152.8		154.2	150.0	4.2	2.8	95.0	98.2	х					welsh road	
2	152.8		153.4	148.6	4.8	3.2	95.0	97.3	х					welsh road	
3	152.8		150.8	147.3	3.5	2.4	95.0	96.4	х					welsh road	
4	152.8		152.6	148.2	4.4	3.0	95.0	97.0	х					welsh road	
					<u> </u>										
Com	paction E	quipr	nent Use	ed:	Vibratory:	х	Non-Vi	bratory			Smo	oth Steel Dr	um x	Sheepsfoot Brickfoo	t
											•				
	arks:						•								
	Proctor No		· -	Maximu		(PCF)		Opt. Mo	isture	(%)	St	d. Proctor	Mod. Procto		
2	2A Modifie	d			152.8			6	5.4		-		X	Gauge Model #:	
											•			Gauge Serial #	
	Method:	A Ba		r	B Direct T	ransmissio	. <u>—</u> n	В			•			Standard Moisture <u>675</u>	d Counts Density 1660



Project: Cumru Twp. Fire Station

Date: 11/1/2022







GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPOR	T / PROJECT OBS	SERVATIONS		
Permit No:					
				A B # (Oc)	l === .00
Client:	Township of Cumru		Temperature:	AM (°f) 54	PM (°f) 69
Project Name:	Cumru Township Fire	Station	remperature.	54	09
,	'		Weather (AM):	sui	nny
Location:	Cumru Twp. PA				
Contractor:	Ankiewicz		Weather (PM): _	mostly	sunny
Gontractor.	7 TINGWIOZ		_		
Date:	November 2, 2022		Key Person		:
loh No :	7057000415		Bob Miller Jr- Superinte	ndent	
JOD NO	Z057000415				
	YES NO]			
Spec's & Drawings]			
Available On-Site:					
THE FOLLOWING WAS NOT	ΓED:				
	7:00 AM	•	arted Site: 1:30		-
Arrived On-Site:	9:00 AM	- Ar	rive Base: 3:30	РМ	-
Atlas Technical Cons	ultants LLC reported	to site as scheduled	to observe the following	ng:	
	·				
Upon arrival, Atlas ted	chnician observed as	the contractor begar	grading and compac	tion of W	elsh rd
driveway entrance.					
Contractor placed 1 li	ft (10" - 12" loose thic	ckness) of imported 2	A modified. Contracto	nr .	
Contractor consolidat				,,	
specifications states t				mum den	sity
determined by ASTM	D1557 Modified Pro	ctor Density.			
Atlas technician progr	rammed the Medified	Droctor number of 1	52.8 @ 6.4% into the	doneity	
gauge and began cor			52.6 @ 6.4% IIII0 life	uensity	
gaage and began eer	iduoting toolo on the	backiii iiiatoriai.			
Atlas technician cond	ucted (3) tests which	was sufficient for the	size of the area note	d	
above. After careful o	bservation, ATC tech	nnician recorded the o	compaction readings a	and verific	ed that
the backfill material m	net the above specific	cation requirements.			
0		.11-			
See attached Field De	ensity Report for resu	JITS.			
See attached photos.					
Coo attached photos.					
Reviewed By:		FIELD R	EPORT		



	Permit	No:									F	Project No.:	Z057000415		_
	Cli	ient:	Townshi	ip of Cum	nru						٦	Гесhnician:	Eddie Haven	s	<u></u>
	Pro	ject:	Cumru 7	Гwp. Fire	Station					1		DATE:	November 2,	2022	<u> </u>
Gene	eral Contra	ctor:	Ankiewi	cz						Grading Contractor: Ankiewicz					
TEST NO.		LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX SITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY
1	152.8		149.5	146.7	2.8	1.9	95.0	96.0	х					welsh road driveway entrar	nce
2	152.8		147.5	145.3	2.2	1.5	95.0	95.1	х					welsh road driveway entrar	nce
3	152.8		148.9	145.8	3.1	2.1	95.0	95.4	х					welsh road driveway entrar	nce
	paction Eq Rubber-tire arks:													SheepsfootBrickfoot	
*	Proctor No.			Maximu	m Density	(PCF)		Opt. Mo	isture ((%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
2	2A Modified				152.8			6	6.4		=		X	Gauge Model #:	3440
							. <u></u>				_			Gauge Serial #	29069
	Method:	A Ba		r	B Direct T	ransmissio	n	В			-			Standard Moisture 657	Counts Density 1644



Project: Cumru Twp fire station

Date: 11/2/2022







GEORGE WIESNER

Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 Burlington, New Jersey 08016 tel. 609-386-8800 · fax 609-386-7951

Eddie Havens

	DAILY REPOR	T / PROJECT OBS	SERVATIONS		
Permit No:					
					1
Client:	Township of Cumru			AM (°f)	PM (°f)
Broject Name	Cumru Township Fire	Station	Temperature:	48	68
Project Name.	Cumru Township Fire	Station	Weather (AM):	SU	nnv
Location:	Cumru Twp. PA				
			Weather (PM):	mostly	sunny
Contractor:	Ankiewicz		_		
Date:	November 3, 2022		Key Person	s On-Site	
Dute.	11010110110, 2022		Bob Miller Jr- Superinte		•
Job No.:	Z057000415		·		
		1			
Spec's & Drawings	YES NO				
Available On-Site:	1 v 1				
THE FOLLOWING WAS NOT	ΓED:				
Denart Rase:	7:00 AM	Den	arted Site: 1:30	DM	
Arrived On-Site:			rive Base: 3:30		-
7	0.007	-			•
Atlas Technical Cons	ultants LLC reported	to site as scheduled	to observe the following	ng:	
Upon arrival, Atlas ted	chnician observed as	the contractor begar	grading and compac	tion of W	elsh rd
driveway entrance.					
Contractor placed 1 li	ft (10" - 12" loose thic	ckness) of imported 2	A modified. Contracto	or	
Contractor consolidat					
specifications states t				mum den	sity
determined by ASTM	D1557 Modified Pro	ctor Density.			
Atlas technician progr	rammed the Medified	Droctor number of 1	52.8 @ 6.4% into the	doneity	
gauge and began cor			32.0 @ 0.4 /6 IIIIO IIIE	uerisity	
gaage and began eer	iduoting toolo on the	baokiii matoriai.			
Atlas technician cond	ucted (3) tests which	was sufficient for the	size of the area note	d	
above. After careful o	bservation, Atlas tecl	hnician recorded the	compaction readings	and verifi	ed that
the backfill material m	net the above specific	cation requirements.			
0 "		14			
See attached Field De	ensity Report for resu	Jits.			
See attached photos.					
oce allached pholos.					
Reviewed By:		FIELD R	EPORT		



	Permit	No:									F	Project No.:	Z057000415		_
	CI	ient:	Townsh	ip of Cum	ıru						٦	Гесhnician:	Eddie Haven	s	<u>_</u>
	Pro	ject:	Cumru	Гwp. Fire	Station					ī		DATE:	November 3,	2022	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading	Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY
1	152.8		149.3	145.9	3.4	2.3	95.0	95.5	х					welsh road driveway entran	ce
2	152.8		150.4	147.3	3.1	2.1	95.0	96.4	х					welsh road driveway entran	се
3	152.8		150.8	146.8	4.0	2.7	95.0	96.1	х					welsh road driveway entran	се
	paction Ed Rubber-tire arks:													SheepsfootBrickfoot	
*	Proctor No			Maximu	m Density	(PCF)		Opt. Mo	isture	(%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
2	2A Modified	l			152.8		. <u>-</u>	6	6.4		_		X	Gauge Model #:	3440
							. <u> </u>				_			Gauge Serial #	29069
	Method:	A Ba		r	B Direct T	ransmissio	. <u>—</u>	В	<u> </u>		-			Standard Moisture 668	Counts Density 1654



Project: Cumru Twp fire station

Date: 11/3/2022





Atlas Technical Consultants LLC





Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 **Burlington, New Jersey 08016** tel. 609-386-8800 · fax 609-386-7951

-	GE WIE	CNED		SIGNED:	Eddie H	lavons	
Reviewed By:			FIE	LD RE	PORT		
Coo attaoriou priotos.							
See attached photos.							
See attached Field De	ensity Rep	ort for resi	uits.				
Con official Civil D	anait. D -	aut fau	ulto				
the backfill material m	et the abo	ve specific	cation requiren	nents.			
above. After careful o	` '						ed that
Atlas technician cond	ucted (3) to	ests which	was sufficient	t for the	size of the area note	<u> </u>	
gauge and began con	iducting te	sts on the	backfill materi	al.			
Atlas technician progr					2.8 @ 6.4% into the	density	
determined by ASTM	ואו זכנום	Julileu F10	cioi Delisity.				
specifications states t determined by ASTM				mpacte	d to 95% of the maxi	mum der	ısıty
Contractor consolidate							-14
Contractor placed 1 li						or	
anveway entrance.							
Upon arrival, Atlas ted driveway entrance.	chnician ob	oserved as	s the contractor	r began	grading and compac	uon of W	eisn ra
Linea emissal Atlanta	abnisis s s		the contract	r b c ~ - · ·	aroding and some	tion of \A	اماماء سجا
Atlas Technical Cons	ultants LL0	reported	to site as sche	eduled to	o observe the followi	ng:	
Arrived On-Site:	9:00	AIVI	-	Arr	ive Base: 4:00	<u> </u>	-
Depart Base:			_	-	rted Site: 2:00		<u>-</u>
				_			
THE FOLLOWING WAS NOT	ΓED:						
Available On-Site:	_ ^						
Spec's & Drawings	v		1	_			
	YES	NO	1	_			
Job No.:	Z0570004 ⁻	15		_			
				Ē	Bob Miller Jr- Superinte		
Date:	November	4, 2022			Key Person	s On-Site	:
Contractor:	Ankiewicz				-		
	Janua I W	p. 1 / 1			Weather (PM):	su	nny
Location:	Cumru Tw	p. PA			Weather (AM): _	p. cl	oudy
Project Name:	Cumru Tov	wnship Fire	Station				
Client	Township	oi Cumru			Temperature:	. ,	70
Cliente	Tayyoobin	of Course				AM (°f)	PM (°f)
Permit No:							
	DAIL	Y REPOR	RT / PROJEC	T OBS	ERVATIONS		



	Permit	No:									F	Project No.:	Z057000415		_
	Cli	ient:	Townshi	ip of Cum	nru						٦	Technician:	Eddie Haven	s	<u>_</u>
	Pro	ject:	Cumru 7	Twp. Fire	Station					1		DATE:	November 4,	2022	_
Gene	eral Contra	ctor:	Ankiewi	cz						G	rading (Contractor:	Ankiewicz		_
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE	DEN	MAX SITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES OF STATION	R ROADWAY
1	152.8		150.5	146.3	4.2	2.9	95.0	95.7	х					welsh road driveway entran	ce
2	152.8		150.9	145.9	5.0	3.4	95.0	95.5	х					welsh road driveway entran	се
3	152.8		151.2	146.7	4.5	3.1	95.0	96.0	х					welsh road driveway entran	се
	paction Ed Rubber-tire arks:													SheepsfootBrickfoot	
*	Proctor No			Maximu	m Density	(PCF)		Opt. Mo	isture ((%)	S	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
2	2A Modified				152.8			6	6.4		=		X	Gauge Model #:	3440
							. <u></u>				_			Gauge Serial #	29069
	Method:	A Ba			B Direct T	ransmissio	. <u>—</u>	В	-		-			Standard Moisture 666	Counts Density 1659



Project: Cumru Twp fire station

Date: 11/4/2022













Atlas Technical Consultants LLC 3 Terri Lane; Suite 4 **Burlington, New Jersey 08016** tel. 609-386-8800 · fax 609-386-7951

Vincent Taylor

	DAIL	Y REPOR	RT / PRO	JECT OBS	ERVATIO	NS		
Downit No.								
Permit No:				-				
Client:	Township o	f Cumru		_	T		AM (°f)	PM (°f)
Project Name:	Cumru Tow	nship Fire	Station	_		nperature:	66	73
Location:	Cumru Twp	. PA			Wea	ther (AM): _	Sur	nny
	: Ankiewicz			-	Wea	ther (PM):	Su	nny
		40.000		_		_		
Date:	November	10, 2022		_	Bob Miller-		ns On-Site:	
Job No.:	Job No. : <u>Z057000415</u>			_				
Spec's & Drawings	YES	NO]					
Available On-Site:	х							
THE FOLLOWING WAS NOTI	ED:							
Depart Base:	8:00	AM		Dep	arted Site:	4:00	PM	
Arrived On-Site:			- -			5:00		
Ankiewicz.: Backfill Ok	servation &	& Density	Testing					
Atlas Technical Consu	ıltants LLC	reported t	to site as s	cheduled to	observe th	ne following	j :	
Upon arrival, Atlas tec								
extension for the prop	osed Fire H	louse. And	d tested fo	otings for c	ompaction	(see photos	s)	
Contractor placed app	roximately	(2) lifts (2'	"-4" loose 1	hickness) c	of onsite so	il material (DGA) at t	he
driveway .Contractor of Atlas technician encou							paction pr	ocess
						1		
Job specifications stat	es that the	backfill m	aterial mus	st be compa	acted to at	least 95%	of the ma	ximum
density determined by Modified Proctor number								
tests on each lift of the			102.7 @ 0.	1770 IIIIO UIC	derisity ge	age and be	Sgarr corre	adding
Atlas technician condu	ıcted sever	al tests (n	er lift) suffi	cient for the	e size of the	e areas not	ed above.	
After careful observati	on, Atlas te	chnician r	recorded th	ne compacti				
the backfill material m	et the abov	e specifica	ation requi	rements.				
See attached Field De	nsity Repo	rt for resul	lts.					
See attached photos.								
Paviawad P:-				FIELD RI	EDODT			
Reviewed By: Robert H	lawthorr	ne		SIGNED:		Víncent	Taylor	•

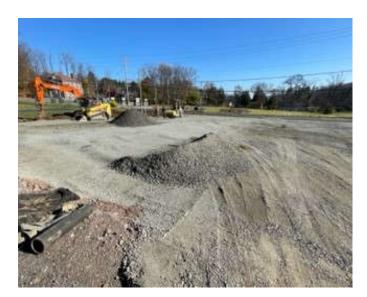


	Permi	t No:									F	Project No.:	Z057000415		
	С	lient:	Townsh	ip of Cum	ıru						1	echnician:	Vincent Taylo	or	
	Pro	oject:	Cumru ⁻	Township	Fire Statio	n						DATE:	11/10/2022		
Gene	eral Contra	ctor:	Ankiewi	CZ						G	rading (<u>_</u>
TEST NO.	PROCTOR NO.	LIFT NO.	WET DENSITY (PCF)	DRY DENSITY (PCF)	MOISTURE (PCF)	MOISTURE %	DEN	MAX ISITY	PASS	FAIL	** RETEST NO.	ELEVATION BELOW FINISH GRADE (FT.)	DEPTH BELOW PLAN SUBGRADE	LOCATION GRID COORDINATES C STATION	OR ROADWAY
1	152.8	1	155.6	148.8	6.8	4.6	95.0	97.4	х				4	Drive Way	
2	152.8	1	153.6	145.9	7.7	5.3	95.0	95.5	Х				4	Drive Way	
3	152.8	1	159.7	151.1	8.6	5.7	95.0	98.9	Х				4	Drive Way	
4	152.8	2	157.0	148.0	9.0	6.1	95.0	96.9	Х				4	Drive Way	
5	152.8	2	158.9	150.0	8.9	5.9	95.0	98.2	Х				4	Drive Way	
6	152.8	2	155.6	147.9	7.7	5.2	95.0	96.8	Х				4	Drive Way	
7	132.4	1	139.4	129.3	10.1	7.8	95.0	97.7	х				6	footings	
8	132.4	1	138.7	129.0	9.7	7.5	95.0	97.4	х				6	footings	
9	132.4	1	137.8	127.6	10.2	8.0	95.0	96.4	х				6	footings	
10															
Com	paction E	guipr	ment Use	ed:	Vibratory:		Non-Vi	bratory			Smo	oth Steel Dr	um	Sheepsfoot Brickfoo	t
														_ '	
Rema				_	,		-					•			
*	Proctor No).		Maximuı	m Density (PCF)		Opt. Mo	isture	(%)	St	td. Proctor	Mod. Procto	or Gauge Make:	Troxler
	BS # 1				132.4	,			3.7				X	Gauge Model #:	
	BS # 2				135			6	6.6		•		X	Gauge Serial #	
2	2A Modifie	d			152.8			6	5.4		•		X	Standard	
	Method:	A Ba	ckscatte	r	B Direct T	ransmissio	n	В	-		-			Moisture 666	Density 1659



Project: Cumru Township Fire Station

Date: 11/10/2022





Atlas Technical Consultants LLC

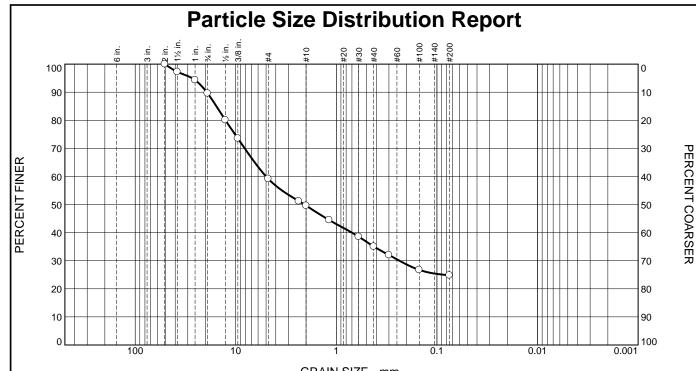
tel. 609-386-8800 · fax 609-386-7951

Burlington, New Jersey 08016

3 Terri Lane; Suite 4







	GRAIN SIZE - MM.								
9/ .3"	% G	ravel		% Sand	k	% Fines			
% +3"	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
0.0	10.4	30.4	9.6	14.5	10.3	24.8			

Test I	Results (ASTM C	136 & ASTM C117)				
Opening	Percent	Spec.*	Pass?			
Size	Finer	(Percent)	(X=Fail)			
2"	100.0					
1-1/2"	97.2					
1"	94.3					
3/4"	89.6					
1/2"	80.1					
3/8"	73.5					
#4	59.2					
#8	51.2					
#10	49.6					
#16	44.5					
#30	38.6					
#40	35.1					
#50	32.0					
#100	26.7					
#200	24.8					

brown silty gravel with sand **Atterberg Limits (ASTM D 4318)** PL= NP LL= NV GM Classification USCS (D 2487)= **AASHTO (M 145)=** A-1-b Coefficients D₉₀= 19.4145 D₅₀= 2.0824 D₁₀= D₈₅= 15.5607 D₃₀= 0.2363 C_u= **D₆₀=** 4.9955 D₁₅= C_c= Remarks Moisture: 11.3% Date Received: 5/11/2022 **Date Tested:** 5/19/2022 Tested By: Scott M & Chuck R Checked By: Scott McLaughlin Title: Laboratory Manager

Material Description

* (no specification provided)

Location: On-site Sample Number: BS-3



Client: Township of Cumru

Project: Cumru Township Fire Station

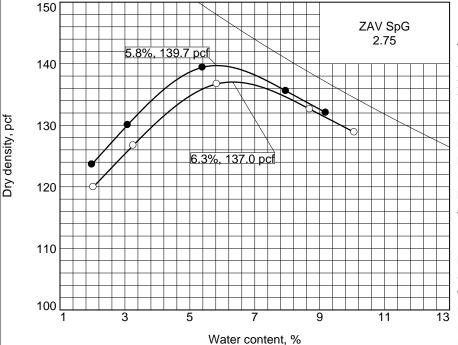
Cumru Township, NJ

Project No: Z057000415

Figure

Date Sampled: 5/11/2022

COMPACTION TEST REPORT



Curve No.

Test Specification:

ASTM D 1557-12 Method C Modified ASTM D4718-15 Oversize Corr. Applied to Each Test Point

Preparation Method	moist			
Hammer Wt.	10 lb.			
Hammer Drop	18 in.			
Number of Layers	five			
Blows per Layer	56			
Mold Size	0.075 cu. ft.			

Test Performed on Material

Passing _____ 3/4 in. Sieve

 NM
 11.3
 LL
 NV
 PI
 NP

 Sp.G. (ASTM D 854)
 Sp.G. (ASTM D 854)
 Sp.G. (ASTM D 854)
 Sp.G. (ASTM D 854)
 24.8

 USCS
 GM
 AASHTO
 A-1-b

 Date Sampled
 5/11/2022

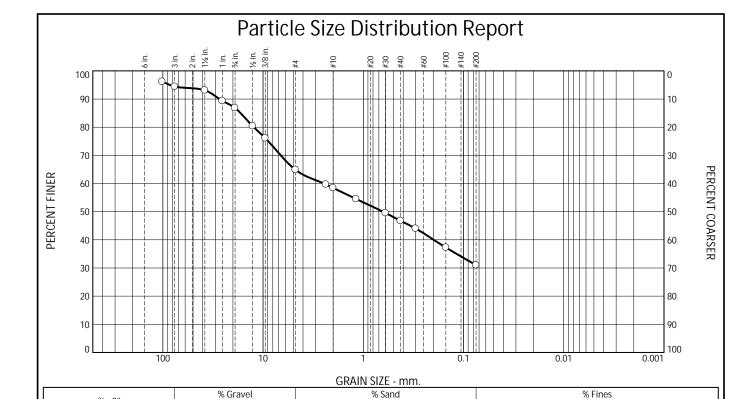
 Date Tested
 5/19/2022

 Tested By
 Chuck R

TESTING DATA

	1	2	3	4	5	6
WM + WS	10928.1	11398.1	11380.2	11301.5	10640.2	
WM	6476.1	6476.1	6476.1	6476.1	6476.1	
WW + T #1	1116.7	1108.3	1139.5	1070.3	1229.9	
WD + T #1	1090.4	1062.5	1071.4	1000.0	1211.0	
TARE #1	282.8	276.5	288.1	301.5	278.4	
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	3.1	5.4	8.0	9.2	2.0	
DRY DENSITY	130.1	139.4	135.6	132.1	123.6	

ROCK CORRECTED TEST RESULTS	UNCORRECTED	Material Description		
Maximum dry density = 139.7 pcf	137.0 pcf	brown silty gravel with sand		
Optimum moisture = 5.8 %	6.3 %	Remarks:		
Project No. Z057000415 Client: Township of Cumru	ZAV SpG estimated			
Project: Cumru Township Fire Station		mechanical hammer		
Cumru Township, NJ				
○ Location: On-site Sample Number: BS-3		Checked by: Scott McLaughlin		
		Title: Laboratory Manager		
		Figure		



Test Re	esults (AS	STM C117 & C1	36)
Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
or Diam. (mm.) 4" 3" 1-1/2" 1" 3/4" 1/2" 3/8" #4 #8 #10 #16 #30 #40 #50 #100 #200	1		Spec. (%)

% +3"

Coarse

7.6

Fine

21.9

Coarse

6.5

<u>Material Description</u> brown/yellow (silty gravel with sand)

Fine

15.7

Medium

11.7

Sieve Test (ASTM C117 & C136)

Test Date: <u>7/19/2022</u> Technician: <u>CR & MG</u>

Test Notes Moisture: 12.9%

Hydrometer Test

Test Date: _____ Technician: ____

Test Notes

Atterberg (ASTM D4318)

Clay

PL= NP LL= NV PI= NP

Coefficients

 D_{90} = 27.1978 D_{85} = 16.7659

 D_{60} = 2.4715 D_{50} = 0.6365

 $D_{30} = D_{15} =$

 $D_{10} =$

Silt

31.0

 C_{u} = C_{c} =

USCS (ASTM D2487)

GM

Date Sampled: 7/14/2022

Date Received: 7/*14/2022

Checked By: Scott M

Figure

Title: Lab Manager

Project: Cumru Township Fire Station

Client: Township of Cumru

Cumru Township, NJ

Project No: Z057000415

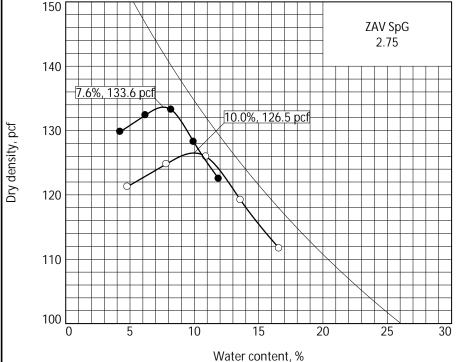


· (no specification provided)

Location: on-site Sample Number: BS-4

COMPACTION TEST REPORT

Curve No.



Test Specification:

ASTM D 1557-12 Method A Modified ASTM D4718-15 Oversize Corr. Applied to Each Test Point

Preparation Method moist

Hammer Wt. 10 lb.

Hammer Drop 18 in.

Hammer Type: automatic

Layers five Blows/Layer 25

Mold Size 0.03333 cu. ft.

Test Performed on Material

Passing #4 Sieve

NM <u>12.9</u> LL <u>NV</u> PI <u>NP</u> Sp.G. (D854):

%>#4 <u>35.1</u> %<No.200 <u>31.0</u>
USCS <u>GM</u> AASHTO <u>A-2-4(0)</u>
Poto Sampled 7/14/2022

 $\begin{array}{c|c} \text{Date Sampled} & 7/14/2022 \\ \text{Date Received} & 7/*14/2022 \\ \text{Date Tested} & 7/19/2022 \\ \end{array}$

Tested By Chuck R & Matti G

TESTING DATA	1	2	3	4	5	6
WM + WS	6051.7	6164.3	6242.1	6177.4	6099.1	
WM	4130.1	4130.1	4130.1	4130.1	4130.1	
WW + T #1	1135.4	1104.0	1111.6	1108.8	1154.1	
WD + T #1	1096.0	1044.6	1024.7	1009.6	1030.4	
TARE #1	275.3	285.2	227.3	279.5	284.5	
WW + T #2						
WD + T #2						
TARE #2						
MOISTURE	4.2	6.2	8.2	9.9	11.9	
DRY DENSITY	129.8	132.4	133.3	128.3	122.5	

ROCK CORRECTED TEST RESULTS	UNCORRECTED	Material Description	
Maximum dry density = 133.6 pcf	126.5 pcf	brown/yellow (silty gravel with sand)	
Optimum moisture = 7.6 %	10.0 %	Remarks:	
Project No. Z057000415 Client: Township of Cumri	ZAV SpG estimated		
Project: Cumru Township Fire Station			
Cumru Township, NJ			
OLocation: on-site Sample Number: BS-4		Checked by: Scott McLaughlin	
ATIA	Title: Laboratory Manager		
		Figure	