	Daily Report				
Project: D	urham Meado	ws Pipeline Installation	-	Date:	September 10, 2019
		eet, Middletown CT		Day of Week:	Tuesday
	ECOM: 6044	·		Report No:	3
•	udlow Constru			Page:	<b>1</b> of <b>8</b>
	uulow collsu				1010
		Weather C	Conditions		
Conditions:	Night				
Temperature (°F):	-	70°F Low 60°F			
remperature (T).	IIIgii				
Contr	actors & Sub	contractors Workforce		Equipment	in Use
Trade	# x hrs	Trade	# x hrs	Туре	# x hrs
USACE		Ludlow Construction		Concrete sawing machine	1 x 8
Field Engineer	1 x 8	Superintendent	2 x 8	Dump truck	2 x 8
		Safety Officer	1 x 8	Excavator	1 x 8
		Dump truck Operator	1 x 8	Skid Steer Loader	1 x 8
		Excavator Operator	1 x 8	Plate Compactor	2 x 8
		Skid Steer Operator	1 x 8	Jumping Jack Compactor	1 x 8
		Mid-size Excavator Operator	1 x 8	Light Tower	2 x 8
		Laborers	4 x 8	Mid-size Excavator	1 x 8
		Sub-contractor			
		Dump truck Operator	1 x 8		
		Middletown Police Dept.	2 0		
		Traffic officers	2 x 8		
		Summary	of Work		
Visitors:					
	vatz (EPA)				
2000 – Danei Sv	atz (EI A)				
Notes:					
notes:					
1850 – AECOM on site	<b>a</b>				
1850 – AECOM on site 1900 – contractors, officers, USACE representation on site					
1900 – contractors, officers, OSACE representation on site 1945 – trenching underway with large excavator and dump truck					
	way with larg				
1945 - trenching under			or publicity		
1945 – trenching under 2000 – EPA representa 2030 – compaction test	tion on site to ting lab on site	e excavator and dump truck take pictures, self interview for			
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths it	tion on site to ting lab on site n place with c	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l	ength ready to	be placed	
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test	tion on site to ting lab on site n place with c t starting on 1	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l t <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l	ength ready to ength		
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did	tion on site to sing lab on site n place with c starting on 1 <sup>s</sup> not pass comp	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand	ength ready to ength y silty gravel	is moist and hard to get to pas	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti	tion on site to ting lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand we lines, passed compaction.	ength ready to ength y silty gravel	is moist and hard to get to pas	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti 2120 – Placing fine gra	tion on site to ting lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r avel above ind	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand lew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length	ength ready to ength y silty gravel	is moist and hard to get to pas	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti	tion on site to ting lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r wel above ind layer above f	e excavator and dump truck take pictures, self interview fe ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand lew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length	ength ready to ength y silty gravel	is moist and hard to get to pas	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti 2120 – Placing fine gra 2200 – Compacting 2 <sup>nd</sup> 2215 – Compression te	tion on site to ing lab on site n place with c starting on 1 <sup>st</sup> not pass comp ng area over r wel above ind layer above f sting 2 <sup>nd</sup> back	e excavator and dump truck take pictures, self interview fe ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand lew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length	ength ready to ength y silty gravel test after re-co	is moist and hard to get to pas ompaction	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti 2120 – Placing fine gra 2200 – Compacting 2 <sup>nd</sup> 2215 – Compression te - Failed @ bot - 10 minutes to	tion on site to ing lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r ivel above ind layer above ind sting 2 <sup>nd</sup> back h 10" and 8", o recompact so	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand tew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection	ength ready to ength y silty gravel test after re-co	is moist and hard to get to pas ompaction	s test
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did - Re-compacti 2120 – Placing fine gra 2200 – Compacting 2 <sup>nd</sup> 2215 – Compression te - Failed @ bot - 10 minutes to - 5 minutes for	tion on site to ting lab on site n place with c starting on 1 <sup>st</sup> not pass comp ng area over r vel above ind layer above f sting 2 <sup>nd</sup> back h 10" and 8", p recompact so	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand tew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection test results at each later	ength ready to ength y silty gravel test after re-co recompacting	is moist and hard to get to past ompaction	
1945 – trenching under 2000 – EPA representa 2030 – compaction test 2120 – 2 pipe lengths i 2115 – compaction test - Backfill did u - Re-compacti 2120 – Placing fine gra 2200 – Compacting 2 <sup>nd</sup> 2215 – Compression te - Failed @ bot - 10 minutes to - 5 minutes for - Work stops of	tion on site to ting lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r vel above ind layer above f sting 2 <sup>nd</sup> back h 10" and 8", o recompact se r compaction f luring re-comp	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand tew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection test results at each later	ength ready to ength y silty gravel test after re-co recompacting	is moist and hard to get to pas ompaction	
<ul> <li>1945 - trenching under</li> <li>2000 - EPA representa</li> <li>2030 - compaction test</li> <li>2120 - 2 pipe lengths i</li> <li>2115 - compaction test</li> <li>Backfill did i</li> <li>Re-compacti</li> <li>2120 - Placing fine gra</li> <li>2200 - Compacting 2<sup>nd</sup></li> <li>2215 - Compression test</li> <li>Failed @ bot</li> <li>10 minutes to</li> <li>5 minutes for</li> <li>Work stops of</li> <li>over new pip</li> </ul>	tion on site to ting lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r vel above ind layer above f sting 2 <sup>nd</sup> back h 10" and 8", o recompact so compaction f luring re-comp re	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand tew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection test results at each later paction situations because exc	ength ready to ength y silty gravel test after re-co recompacting	is moist and hard to get to past ompaction	
<ul> <li>1945 – trenching under</li> <li>2000 – EPA representa</li> <li>2030 – compaction test</li> <li>2120 – 2 pipe lengths i</li> <li>2115 – compaction test</li> <li>Backfill did i</li> <li>Re-compacti</li> <li>2120 – Placing fine gra</li> <li>2200 – Compacting 2<sup>nd</sup></li> <li>2215 – Compression te</li> <li>Failed @ bot</li> <li>10 minutes to</li> <li>5 minutes for</li> <li>Work stops of</li> <li>over new pip</li> <li>2230 – passed second of</li> </ul>	tion on site to ing lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r vel above ind layer above ind layer above f sting 2 <sup>nd</sup> back h 10" and 8", o recompact so compaction to luring re-comp e	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand lew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection test results at each later paction situations because exc st, continuing backfill	ength ready to ength y silty gravel test after re-co recompacting	is moist and hard to get to past ompaction	
<ul> <li>1945 – trenching under</li> <li>2000 – EPA representa</li> <li>2030 – compaction test</li> <li>2120 – 2 pipe lengths i</li> <li>2115 – compaction test</li> <li>Backfill did i</li> <li>Re-compacti</li> <li>2120 – Placing fine gra</li> <li>2200 – Compacting 2<sup>nd</sup></li> <li>2215 – Compression test</li> <li>Failed @ bot</li> <li>10 minutes to</li> <li>5 minutes for</li> <li>Work stops of</li> <li>over new pip</li> </ul>	tion on site to ing lab on site n place with c starting on 1 <sup>s</sup> not pass comp ng area over r vel above ind layer above f sting 2 <sup>nd</sup> back h 10" and 8", o recompact so compaction to compaction to test location p	e excavator and dump truck take pictures, self interview f ompacted backfill on top, 3 <sup>rd</sup> l <sup>t</sup> 12" fill layer above 1 <sup>st</sup> pipe l action. test. Fine layer of sand lew lines, passed compaction. icator tape on 3 <sup>rd</sup> pipe length first pipe length fill layer high moisture creating issues, ection test results at each later paction situations because exc st, continuing backfill	ength ready to ength y silty gravel test after re-co recompacting	is moist and hard to get to past ompaction	

**Res. Representative:** 

F. Grimberg

#### -• 1

Daily Report				
Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019	
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday	
Project #:	AECOM: 60445033	<b>Report No:</b>	3	
Contractor:	Ludlow Construction	Page:	<b>2</b> of <b>8</b>	
310 – left site				
Notes:				
lengths (18' eac	h) laid before 2300			
Payment Items	<b>C</b> •			
i ayment items	5.			

	Daily R	eport	
Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
Contractor:	Ludlow Construction	Page:	<b>3</b> of <b>8</b>
		<image/>	

Figure 1 – Geotextile fabric placed below new pipe length

Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
<b>Contractor:</b>	Ludlow Construction	Page:	<b>4</b> of <b>8</b>
		· · · · · · · · · · · · · · · · · · ·	



Figure 2 – Filter fabric filled with gravel being graded in preparation for pipe placement

### **Daily Report**

Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
<b>Contractor:</b>	Ludlow Construction	Page:	5 of 8



Figure 3 – Pipe Bedding being placed around newly installed pipe length, gravel wrapped in filter fabric underneath

Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
Contractor:	Ludlow Construction	Page:	<b>6</b> of <b>8</b>



Figure 4 – Compaction testing underway

Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
<b>Contractor:</b>	Ludlow Construction	Page:	7 of <b>8</b>

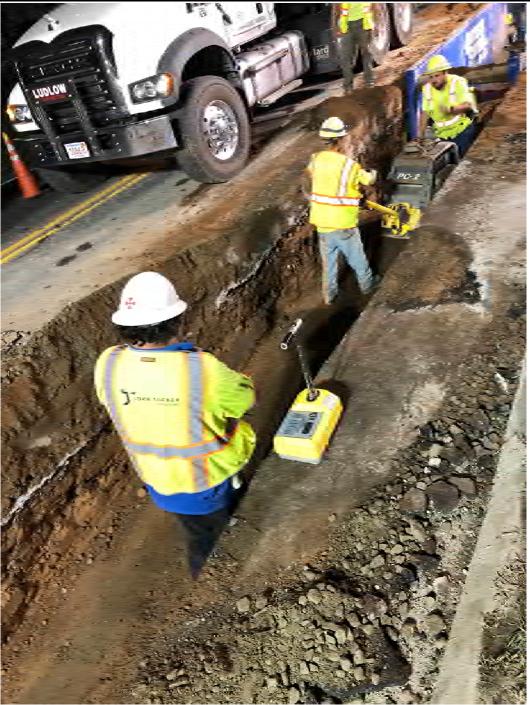


Figure 5 – Recompacting backfill after failed compaction test

Project:	Durham Meadows Pipeline Installation	Date:	September 10, 2019
Location:	South Main Street, Middletown CT	Day of Week:	Tuesday
Project #:	AECOM: 60445033	Report No:	3
Contractor:	Ludlow Construction	Page:	<b>8</b> of <b>8</b>



Figure 6 – Compacting first 12" backfill later above 3<sup>rd</sup> pipe length of the night