

Project

Project

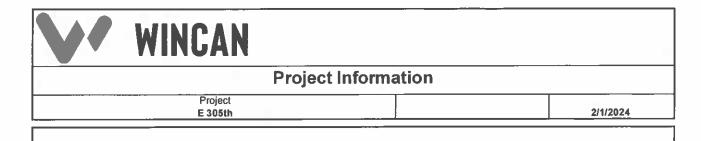
E 305th 2/15/2024



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Project	
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Number of sections						13
	Total leng	gth of sect	ions			2049.76 ft
	Total leng	gth of insp	ected sections			2049.76 ft
	Ì		nspected sections			0.00 ft
	·					0
		indoned in				
	Number	of section	inspection photos			0
	Number	of section	inspection videos			13
	Number of	of section	inspection scans			0
	Number of	of section	inclination measuren	nents		0
Pipe Segm	ent			Upstream MH	397	
Reference City Street Total Lengi	E	/illowick 305 9.9		Downstream MH Profile Material	399A Circular 1	
Total Leng			01	matorial		
l	_	PACP Code	Observation			
	0.0	AMH	Manhole	dical dimensis =		
2 ↓	0.0	MWL	Water Level, 25% of the ver			
3 4	6.7 28.9	TFA TFA	Tap Factory Made Active, a Tap Factory Made Active, a			
5	55.9	TFA	Tap Factory Made Active, a			
6	57.0	CM	Crack Multiple, from 12 o'cl			
7	79.9	AMH	Manhole			
Pipe Segm Reference	ent			Upstream MH	399A	
City	W	/illowick		Downstream MH	399	
Street		305th St		Profile	Circular ·	18 inch
Total Leng	th 2:	2.4		Material	Vitrified (Clay Pipe
	Distance	PACP Code	Observation			
1	0.0	AMH	Manhole			
2	0.0	MWL	Water Level, 25% of the ve	rtical dimension		
3	16.9	TFA	Tap Factory Made Active, a	t 11 o'clock , 6 inch dim		
4	22.4	ТВА	Tap Break-In Active, at 11 c			
Pipe Segm Reference	ent			Upstream MH	399B	
City	W	/illowick		Downstream MH	399	
Street		305th St		Profile		
Total Leng	th 2	6.2		Material	Vitrified (Clay Pipe



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	Dietoses	PACP Code	Observation		
	0.0	AMH	Manhole	atook atoo oo atao	
2	0.0	MWL	Water Level, 25% of the ver		
3	8.0	TFA	Tap Factory Made Active, a		
4	26.2	TFA	Tap Factory Made Active, a		200P
Pipe Segme Reference	ent			Upstream MH	399B
City	W	illowick		Downstream MH	400
Street	E	305th St		Profile	
Total Lengti	n 10	8.8		Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 25% of the ver	rtical dimension	
3	25.5	TFA	Tap Factory Made Active, a	t 2 o'clock , 6 inch dim	
4	33.9	TFA	Tap Factory Made Active, a		
5	84.2	TFA	Tap Factory Made Active, a		
6	108.8	AMH	Manhole		
Pipe Segme Reference	ent			Upstream MH	400
City	W	illowick		Downstream MH	401
Street	E	305th St		Profile	
Total Lengti	n 10	9.2		Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1 🕇	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 25% of the ve	tical dimension	
3	18.1	TFA	Tap Factory Made Active, a	t 12 o'clock , 6 inch dim	
4	20.0	TFA	Tap Factory Made Active, a		
5	61.4	TFA	Tap Factory Made Active, a	t 2 o'clock , 6 inch dim	
6	71.5	TFA	Tap Factory Made Active, a	t 3 o'clock , 6 inch dim	
7	109.2	AMH	Manhole	I	
Pipe Segme Reference	ent			Upstream MH	401
City	w	illowick		Downstream MH	402
Street	E	305th St		Profile	
Total Lengtl	h <u>78</u>	8.8		Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 25% of the ve	rtical dimension	
3	2.7	TFA	Tap Factory Made Active, a	t 3 o'clock , 6 inch dim	
4	4.7	TFB	Tap Factory Made Abandor		
5	53.3	TBB	Tap Break-In Abandoned, a		
6	55.7	TFA	Tap Factory Made Active, a	t 3 o'clock, 6 inch dim	
7 Dina Saama	78.8	AMH	Manhole	Upstream MH	402
Pipe Segme Reference	an(Opsteam wift	402
City	W	illowick		Downstream MH	404
Street		305th St		Profile	
Total Lengt	h 18	6.7	<u></u>	Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1 1	0.0	AMH	Manhole		
'					



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E 305th	2/1/2024

	Distance	PACP Code	Observation		_
2	0.0	MWL	Water Level, 25% of the ver	rtical dimension	
3	18.3	TFA	Tap Factory Made Active, at 9 o'clock, 6 inch dim		
4	39.0	TFA	Tap Factory Made Active, a		
5	70.2	TFA	Tap Factory Made Active, a	t 9 o'clock , 6 inch dim	
6	111.0	TFA	Tap Factory Made Active, a	t 3 o'clock , 6 inch dim	
7	120.8	TBA	Tap Break-In Active, at 10 o	clock , 6 inch dim	
8	172.1	TFA	Tap Factory Made Active, a	t 9 o'clock , 6 inch dim	
9	185.7	TFA	Tap Factory Made Active, a	t 3 o'clock , 6 inch dim	
10	186.7	AMH	Manhole		
Pipe Segme	ent	· ·		Upstream MH	404
Reference City	w	illowick		Downstream MH	405
· ·				Profile	Circular 18 inch
Street		305th St		Material	****
Total Length		8.6		iviateriai	Vitrified Clay Pipe
.	Distance	PACP Code	Observation		
1	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 20% of the ver	rtical dimension	
3	18.8	TFA	Tap Factory Made Active, a	t 12 o'clock , 6 inch dim	
4	28.9	TFA	Tap Factory Made Active, a		
5	61.8	TFA	Tap Factory Made Active, a		
6	77.9	TFA	Tap Factory Made Active, a	t 10 o'clock , 6 inch dim	
7	127.4	TFA	Tap Factory Made Active, a	t 1 o'clock , 6 inch dim	
8	129.6	TFA	Tap Factory Made Active, a	t 10 o'clock , 6 inch dim	
9	180.7	TFA	Tap Factory Made Active, a	t 11 o'clock , 6 inch dim	
10	199.1	TFA	Tap Factory Made Active, a	t 2 o'clock , 6 inch dim	
11	226.6	FM	Fracture Multiple, from 11 of	'clock to 9 o'clock	
12	228.2	TBB	Tap Break-In Abandoned, a	t 10 o'clock , 6 inch dim	
13	264.9	TFA	Tap Factory Made Active, a	t 2 o'clock , 6 inch dim	
14	268.6	AMH	Manhole		
Pipe Segme	ent			Upstream MH	405
Reference				D	400
City		illowick		Downstream MH	406
Street		305th St		Profile	h 414 - 187 4 - 40 h 40 h
Total Length	n 26	88.2		Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1 🕇	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 20% of the ver	rtical dimension	
3	6.5	TFA	Tap Factory Made Active, a	t 10 o'clock , 6 inch dim	
4	24.9	TFA	Tap Factory Made Active, a	•	
5	52.7	TFA	Tap Factory Made Active, a		
6	63.1	TFA	Tap Factory Made Active, a		
7	105.9	TFA	Tap Factory Made Active, a		'
8	117.1	FM	Fracture Multiple, from 5 o'c		
9	136.6	TFA	Tap Factory Made Active, a		
10	155.0	TFA	Tap Factory Made Active, a		
11	161.5	TFA	Tap Factory Made Active, a	t 12 o'clock , 6 inch dim	
12	204.9	TFA	Tap Factory Made Active, a	t 2 o'clock , 6 inch dim	
13	206.6	TFA	Tap Factory Made Active, a	t 10 o'clock , 6 inch dim	
14	255.3	TFA	Tap Factory Made Active, a	t 10 o'clock , 6 inch dim	
15	268.2	AMH	Manhole		



3

33.8

TFA

Section Summary

Project E 305th 2/1/2024					
Pipe Segme Reference	nt		Ups	stream MH	406
City	w	illowick	Dov	wnstream MH	407
Street		305th St	Pro	ofile	
Total Length		3.1	Mat	terial	Vitrified Clay Pipe
		PACP Code	Observation		
1	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 15% of the vertical	dimension	
•	0.5	TFA	Tap Factory Made Active, at 2 of		
3	30.4	TFA	Tap Factory Made Active, at 10		
5	54.2	TFA	Tap Factory Made Active, at 1 of		
6	71.2	TFA	Tap Factory Made Active, at 2 of		
7	83.7	TFA	Tap Factory Made Active, at 10 of		
8	132.4	TFA	Tap Factory Made Active, at 10 of		
9	140.2	TFA	Tap Factory Made Active, at 2 of		
10	178.8	TFA	Tap Factory Made Active, at 10 of		
11	219.3	TFA	Tap Factory Made Active, at 10 of		
12	237.6	TFB	Tap Factory Made Abandoned, a		
13	241.1	TFA	Tap Factory Made Active, at 8 of		
14	243.1	AMH	Manhole	,	
Pipe Segme			Ups	stream MH	407
Reference					
City		illowick		wnstream MH	407A
Street		305th St	Pro		
Total Length	28	1.1	Mat	terial	Vitrified Clay Pipe
	Distance	PACP Code	Observation		
1	0.0	AMH	Manhole		
2	0.0	MWL	Water Level, 20% of the vertical	dimension	
3	32.8	TFA	Tap Factory Made Active, at 10 c	o'clock , 6 inch dim	
4	71.0	TFA	Tap Factory Made Active, at 10 of	o'clock , 6 inch dim	
5	84.9	AMH	Manhole		
6	97.6	CM	Crack Multiple, from 12 o'clock to	o 4 o'clock	
7	121.9	TFC	Tap Factory Made Capped, at 11	1 o'clock , 6 inch dim	
8	124.0	TFA	Tap Factory Made Active, at 2 o'	'clock , 6 inch dim	
9	171.0	TFC	Tap Factory Made Capped, at 11	1 o'clock , 6 inch dim	
10	187.4	TFC	Tap Factory Made Capped, at 2	o'clock , 6 inch dim	
11	197.9	TFA	Tap Factory Made Active, at 1 o'	'clock , 6 inch dim	
12	218.1	TFC	Tap Factory Made Capped, at 11	1 o'clock , 6 inch dim	
13	224.3	TFA	Tap Factory Made Active, at 1 o'		
14	255.0	TFA	Tap Factory Made Active, at 2 o'	·	
15	267.8	TFA	Tap Factory Made Active, at 11 (o'clock , 6 inch dim	
16	272.1	TFA	Tap Factory Made Active, at 2 of	'clock , 6 inch dim	
17	281.1	AMH	Manhole		
Pipe Segme Reference	nt		Ups	stream MH	407B
City	1A/	illowick	l nov	wnstream MH	408
ψι ι y		305th St	Pro		100
Stroot		JUDIN SL	I		
		1.6	l Mai	terial	Vitrified Clay Pipe
Street Total Length	21	PACP Code		terial	Vitrified Clay Pipe
Total Length	Distance	PACP Code	Observation	terial	Vitrified Clay Pipe
	21				Vitrified Clay Pipe

Tap Factory Made Active, at 2 o'clock, 6 inch dim



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	Distance	PACP Code	Observation		
4	36.4	TFA	Tap Factory Made Active,	at 11 o'clock , 6 inch dim	
5	85.6	TFA	Tap Factory Made Active,	at 11 o'clock , 6 inch dim	
6	136.7	TFA	Tap Factory Made Active,	at 10 o'clock, 6 inch dim	
7	186.7	TFA	Tap Factory Made Active,	at 10 o'clock, 6 inch dim	
8	211.6	AMH	Manhole		
Pipe Segment Reference				Upstream MH	408
City	W	illowick		Downstream MH	20
Street	E	305th St		Profile	
Total Length	16	5.4		Material	Vitrified Clay Pipe
	Distance	PACP Code	Observation		

ł			Distance	PACP Code	Observation
1	1	1	0.0	AMH	Manhole
I	2		0.0	MWL	Water Level, 20% of the vertical dimension
	3	•	18.4	TFA	Tap Factory Made Active, at 11 o'clock, 6 inch dim
	4		61.2	TFB	Tap Factory Made Abandoned, at 2 o'clock, 6 inch dim
l	5		65.1	TFB	Tap Factory Made Abandoned, at 12 o'clock, 6 inch dim
I	6		67.3	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim
ı	7		136.1	OBB	Obstacles Brick, 5% of cross sectional area, at 6 o'clock
l	8		165.4	OBR	Obstacles Rocks, 10% of cross sectional area, at 6 o'clock



Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.
2/1/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Downstream]	79.9 '	79.9 '

City:	Willowick	Drainage Area:	Upstream MH:	397
Street:	E305	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	399A
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

1:60	3 Distance	Code	Observation	1			Counter	Photo	Grade
397	\								
	0.0	AMH	Manhole / M	H 397			00:00:12		
	0.0	MWL	Water Level	, 25% of the vert	cal dimension		00:00:16		
	6.7	TFA		Made Active, at s good 6.68from		h dim / 462	00:02:02		
	28.9	TFA	Tap Factory connection is	Made Active, at s good 28.95ft fro	3 oʻclock , 6 inch om MH 397 later	dim / 434 al is lined	00:03:13		
*	55.9	TFA CM	connection i	Made Active, at s good 55.94ft fro Ne, from 12 o'clo	om MH 397	dim / 450	00:04:06 00:04:28		
399A	79.9	АМН	Manhole / M	H 399A			00:05:48		
QSR	QMR	QOR	SPR	MPR	OPR	SPRI	MPF	રા	OPRI



			•		
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/1/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Downstream		22.4 '	22.4 '

City:	Willowick	Drainage Area:	Upstream MH:	399A
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	399
Location Details	:	Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

1:169	Distance	Code	Observation		Counter	Photo	Grade
1:169	DISTANCE	Code	Observation		Counter	Piloto	Grade
399A							
	0.0	AMH	Manhole / 399A		00:00:07		
		B 40 6 25	hatetand and DEO/ of the continue discount	!	00.00.40		
	0.0	MWL	Water Level, 25% of the vertical dime	nsion	00:00:10		
→							
	16.9	TFA	Tap Factory Made Active, at 11 o'cloc	k , 6 inch dim / 444	00:02:18		
			connection is good 16.90ft from MH39	J9A			
	22.4	TBA	Tap Break-In Active, at 11 o'clock, 6 connection is good 22.38ft from MH 3	inch dim / 431	00:03:16		
			connection is good 22.3oit from MH 3	3371			
399	OMP	000	SPR MPR OF	R SPRI	MPF	<u>, j</u>	OPRI
QSR	QMR	QOR	SFR MFR UF	n j spri	IVIP!	<u>\</u>	OFRI



		_			
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/1/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
1	No Pre-Cleaning	Upstream		26.2 '	26.2 '

City:	Willowick	Drainage Area:	Upstream MH:	399B
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	399
Location Details		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:	•	Owner:		
		· · · · · · · · · · · · · · · · · · ·		

Additiona	ai into:									
	1:198	Distance	Code	Observation)			Counter	Photo	Grade
	399									
(0.0	АМН	Manhole / 39	99B			00:00:02		
		0.0	MWL	Water Level	25% of the verti	cal dimension		00:00:04		
		8.0	TFA	Tap Factory connection is	Made Active, at s good 8.05ft from	3 o'clock , 6 inch n MH 399B	dim / 438	00:05:06		
*										
(399B	26.2	TFA	Tap Factory connection i	Made Active, at s good 26.20ft fro	9 o'clock , 6 inch om MH 399B	dim / 423	00:06:02		
QSF	R I	QMR	QOR	SPR	MPR	OPR	SPRI	MPF	RI	OPRI
					<u> </u>					



		•	•		
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/5/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Downstream		108.8 '	108.8 '

City:	Willowick	Drainage Area:	Upstream MH:	399B
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	400
Location Details:		Sheet Number:	Down Rim to Invert:	1
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

Additional Info:					
1:822 Distance	Code	Observation	Counter	Photo	Grade
399B					
0.0	AMH	Manhole / 399B	00:00:01		
0.0	MWL	Water Level, 25% of the vertical dimension	00:00:04		
25.5	TFA	Tap Factory Made Active, at 2 o'clock, 6 inch dim / connection is good 25.48ft from MH399B	409 00:01:47		
33.9	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim connection is good 33.86ft from MH 399B	/432 00:02:25		
*					
84.2	TFA	Tap Factory Made Active, at 10 o'clock, 6 inch dim connection has heavy calcium deposits 84.22ft from 399B	/426 00:04:58 nMH		
108.8	АМН	Manhole / MH 400	00:07:08		
108.8	АМН	Manhole / MH 400	00:07:08		



Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/5/2024			Eric and Cory	1	1000
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Upstream		109.2 '	109.2 '

City:	Willowick	Drainage Area:	Upstream MH:	400
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	401
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

1:825	Distance	Code	Observation	1			Counter	Photo	Grade
401									
	0.0	AMH	Manhole / 40	00			00:00:01		
	0.0	MWL	Water Level	, 25% of the vert	ical dimension		00:00:01		
0	18.1	TFA	Tap Factory connection is	Made Active, at slined/good 18.	12 o'clock , 6 inc	h dim / 418	00:02:22		
	20.0	TFA	Tap Factory connection is	Made Active, at a good 20.01ft fr	10 o'clock , 6 inc om MH 400	h dim / 412	00:08:18		
	61.4	TFA	Tap Factory	Made Active, at a good/ heavy ca	2 o'clock , 6 inch	dim / 401 m MH 400	00:11:56		
	71.5	TFA			3 o'clock , 6 inch		00:12:49		
		IFA	connection is	s good 71.49ft M	H 400	(dill) 7 400	00.12.49		
	109.2	АМН	Manhole / 40)1			00:14:53		
400	OMB	000	CDD	MPP	T OPP	SPRI	MPF	St 1	OPRI
QSR	QMR	QOR	SPR	MPR	OPR	I SEKI	IVIP	<u> </u>	OFRI



		-			100
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/5/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Downstream		78.8 '	78.8 '

Willowick	Drainage Area:	Upstream MH:	401
E 305th St	Media Label:	Up Rim to Invert:	
	Flow Control:	Downstream MH:	402
	Sheet Number:	Down Rim to Invert:	
Circular	Sewer Use:	Total gallons used:	0.0
18 "	Sewer Category: SEC	Joints passed:	0
Vitrified Clay Pipe	Purpose:	Joints failed:	0
	Owner:	<u> </u>	
	E 305th St Circular 18 "	E 305th St Media Label: Flow Control: Sheet Number: Circular Sewer Use: 18 " Sewer Category: SEC Vitrified Clay Pipe Purpose:	E 305th St Media Label: Flow Control: Sheet Number: Circular Sewer Use: Total gallons used: 18 " Sewer Category: SEC Joints passed: Vitrified Clay Pipe Media Label: Up Rim to Invert: Downstream MH: Down Rim to Invert: Total gallons used: Joints passed: Joints failed:

1:596	Distance	Code	Observation				Counter	Photo	Grade
401	0.0	АМН	Manhole / 40	1			00:00:00		
72	0.0	MWL	Water Level,	25% of the vert	ical dimension		00:00:02		
	2.7	TFA	Tap Factory I connection is	Made Active, at good 2.73ft MF	3 o'clock , 6 inch I 401	dim / 406?	00:02:32		
	4.7	TFB	Tap Factory I	Made Abandone	d, at 9 o'clock , 6	inch dim	00:03:18		
		¥6							
\$									
	53.3	ТВВ	Tan Break-In	Abandoned at	9 o'clock , 6 inch	ı dim	00:05:04		
		100	rap broak in	ribandonoa, ac	o disort, o mor				
	55.7	TFA	Tap Factory I connection is	Made Active, at good 55.66ft fr	3 oʻclock , 6 inch om MH 401	dim / 371	00:05:25		
	78.8	AMH	Manhole / 40	2			00:07:13		
402									



1		-	•		
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/5/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Upstream		186.7 '	186.7 '

	<u> </u>			
City:	Willowick	Drainage Area:	Upstream MH:	402
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	404
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

Additional Info:						
1:1409	Distance	Code	Observation	Counter	Photo	Grade
404						
	0.0	АМН	Manhole / 402	00:00:03		
	0.0	MWL	Water Level, 25% of the vertical dimension	00:00:04		
	18.3	TFA	Tap Factory Made Active, at 9 o'clock, 6 inch dim / 380 connection is good 18.33ft from MH 402	00:02:26		
	39.0	TFA	Tap Factory Made Active, at 3 o'clock , 6 inch dim / 365 connection is good 39.02ft from MH 402	00:05:03		
	70.2	TFA	Tap Factory Made Active, at 9 o'clock, 6 inch dim / 370 connection is good 70.21ft from MH 402	00:07:00		
1	111.0	TFA	Tap Factory Made Active, at 3 o'clock, 6 inch dim / 359 connection is good 111.02ft from MH 402	00:09:02		
	120.8	TBA	Tap Break-In Active, at 10 o'clock, 6 inch dim / 360 connection is good 120.78ft from MH 402	00:09:51		
	172.1	TFA	Tap Factory Made Active, at 9 o'clock , 6 inch dim / 350	00:14:20		
			connection is good 172.13ft from MH 402			
	185.7	TFA	Tap Factory Made Active, at 3 o'clock, 6 inch dim / 353 connection is good 185.71ft from MH 402	00:18:54		
	186.7	AMH	Manhole / 404	00:20:21		
402						0.000
QSR	QMR	QOR	SPR MPR OPR SPR	MPI	र।	OPRI



Date: 2/6/2024	Work Order:	Weather:	Surveyed By: Eric and Corv	Certificate Number:	Pipe Segment Ref.:
Year laid:	Pre-cleaning: No Pre-Cleaning	Direction: Downstream	Pipe Joint Length:	Total Length: 268.6 '	Length Surveyed; 268.6 '

City:	Willowick	Drainage Area:	Upstream MH:	404
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	405
Location Details:	:	Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

	1:2027	Distance	Code	Observation	Counter	Photo	Grade
	404						
(0.0	АМН	Manhole / 404	00:00:01		
	Θ	0.0	MWL	Water Level, 20% of the vertical dimension	00:00:03		
		18.8	TFA	Tap Factory Made Active, at 12 o'clock, 6 inch dim / 347 connectionis good 18.78ft from MH 404 lateral is lined	00:02:55		
	1	28.9	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim / 350 connection is good 28.93ft from MH 404	00:03:45		
	K	61.8	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 341 connection is good 61.79ft from MH 404	00:05:33		
		77.9	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim / 342 connection is good 77.87ft from MH 404	00:06:34		
, =		127.4	TFA	Tap Factory Made Active, at 1 o'clock , 6 inch dim / 335 connection is good 127.37ft from MH 404	00:08:34		
*		129.6	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim / 334 connectionis good 129.55ft from MH 404	00:09:08		
		180.7	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim / 328 connectionis good 180.66ft from MH 404	00:10:58		
E	#	199.1	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 324 connection is good 199.11ft from MH 404	00:12:14		
		226.6	FM	Fracture Multiple, from 11 o'clock to 9 o'clock	00:15:06		
		228.2	ТВВ	Tap Break-In Abandoned, at 10 o'clock , 6 inch dim	00:15:13		
-	#	264.9	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 323 connectionis good 264.93ft from MH 404	00:16:54		
(268.6	АМН	Manhole / 405	00:17:49		
	405						
QS	R	QMR	QOR	SPR MPR OPR SPRI	MPF	<u> </u>	OPRI
				E 205th # Dance 9			



		•	-		
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/7/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Upstream		268.2 '	268.2 '

City:	Willowick	Drainage Area:	Upstream MH:	405
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	406
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		
		<u>.</u>		

									
1:2024	Distance	Code	Observation	1			Counter	Photo	Grade
406									
	0.0	АМН	Manhole / 40	05			00:00:01		
	0.0	MWL	Water Level	, 20% of the vert	ical dimension		00:00:03		
	6.5 TFA Tap Factory Made Active, at 10 o'clock, 6 inch dim / 328 connection is good 6.51ft from MH 405						00:00:52		
	24.9	TFA		Made Active, at s good 22.38ft fr		th dim / 431	00:02:36		
	52.7	TFA	Tap Factory Shoregate	Made Active, at	10 oʻclock , 6 ind	h dim /	00:04:47		
	63.1	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 311 connection is good 63.07ft from MH 405				00:05:43		
	105.9 TFA		Tap Factory Shoregate	Made Active, at	3 o'clock , 6 inch	dim /	00:08:09		
	117.1	FM	Fracture Mu	Itiple, from 5 o'cl	ock to 12 o'clock		00:09:16		
	136.6	TFA		Made Active, at s good 136.62ft		dim / 305	00:10:23		
	155.0	TFA	Tap Factory Shoregate	Made Active, at	10 o'clock , 6 inc	ch dim /	00:11:10		
	161.5	TFA		Made Active, at s good 161.46ft		ch dim / 299	00:11:39		
	204.9	TFA		Made Active, at s good 204.88ft		ı dim / 293	00:13:28		
	206.6	TFA	Tap Factory Shoregate	Made Active, at	10 o'clock , 6 ind	ch dim /	00:13:55		
255.3 TFA Tap Factory Made Active, at 10 o'clock, 6 inch dim / Shorgate						00:16:25			
405	268.2	АМН	Manhole / 4	06			00:17:47		
	OME	000	CDD	l MDD	- ODB	SPRI	MPF	oı I	OPRI
QSR	QMR	QOR	SPR	MPR	OPR	i orki	1 MPF	<u> </u>	OFKI



Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/7/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Downstream	<u></u>	243.1 '	243.1 '

Willowick	Drainage Area:	Upstream MH:	406
E 305th St	Media Label:	Up Rim to Invert:	
	Flow Control:	Downstream MH:	407
	Sheet Number:	Down Rim to Invert:	
Circular	Sewer Use:	Total gallons used:	0.0
18 "	Sewer Category: SEC	Joints passed:	0
Vitrified Clay Pipe	Purpose:	Joints failed:	0
	Owner:		
	E 305th St Circular 18 "	E 305th St Media Label: Flow Control: Sheet Number: Circular Sewer Use: 18 " Sewer Category: SEC Vitrified Clay Pipe Purpose:	E 305th St Media Label: Flow Control: Sheet Number: Down Rim to Invert: Down Rim to Invert: Circular Sewer Use: Total gallons used: 18 " Sewer Category: SEC Joints passed: Vitrified Clay Pipe Purpose: Joints failed:

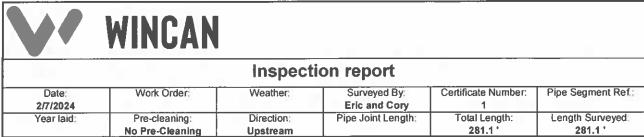
radii	ional Info:		<u> </u>							
	1:1835	Distance	Code	Observation				Counter	Photo	Grade
	406									
		0.0	AMH	Manhole / 40	6			00:00:01		
		0.0	MWL	Water Level,	15% of the vert	cal dimension		00:00:03		
	K	0.5	TFA	Tap Factory I connection is	Made Active, at a good .46ft from	2 o'clock , 6 inch MH 406	dim / 287	00:00:27		
		30.4	TFA	Tap Factory I Shoregate	Made Active, at	10 o'clock , 6 inc	h dim /	00:02:02		
	7	54.2	TFA		Made Active, at good 54.17ft fro	1 o'clock , 6 inch om MH 406	dim / 281	00:03:17		
		71.2	TFA		Made Active, at s good 71.24ft fro	2 o'clock , 6 inch om MH 406	dim / 275	00:04:09		
		83.7	TFA	Tap Factory I Shoregate	Made Active, at	10 o'clock , 6 inc	h dim /	00:04:55		
1		132.4	TFA	Tap Factory Shoregate	Made Active, at	10 o'clock , 6 inc	h dim /	00:06:48		
		140.2	TFA			2 o'clock , 6 inch s good 140,24ft		00:07:30		
		178.8	TFA	Tap Factory Shoregate	Made Active, at	10 o'clock , 6 ind	ch dim /	00:08:47		
		219.3	TFA	Tap Factory Shoregate	Made Active, at	10 o'clock , 6 inc	ch dim /	00:12:28		
		237.6	TFB	Tap Factory	Made Abandone	ed, at 2 o'clock,	6 inch dim	00:14:16		
	241.1 TFA Tap Factory Made Active, at 8 o'clock , 8 inch dim / Shoregate					00:14:47				
	407	243.1	AMH	Manhole / 40	7			00:15:28		
	QSR	QMR	QOR	SPR	MPR	OPR	SPRI	MPF	21	OPRI
	GOI V	2004117	QOIT	<u> </u>	1411 13)	17//-		477 131



		•			
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/7/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Upstream		281.1 '	28 <u>1.1</u> '

City:	Willowick	Drainage Area:	Upstream MH:	407
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH:	407A
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used:	0.0
Pipe size:	18 "	Sewer Category: SEC	Joints passed:	0
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed:	0
Lining Method:		Owner:		

1:2088	Distance	Code	Observation	Counter	Photo	Grade
407A	0.0	АМН	Manhole / 407	00:00:09		
	0.0	MWL	Water Level, 20% of the vertical dimension	00:00:09		
	32.8	TFA	Tap Factory Made Active, at 10 o'clock, 6 inch dim / Shoregate	00:02:10		
	71.0	TFA	Tap Factory Made Active, at 10 o'clock, 6 inch dim / Shoregate	00:04:31		
	84.9	AMH	Manhole / 407A Heavy Calcium Deposit	00:06:49		
	97.6	СМ	Crack Multiple, from 12 o'clock to 4 o'clock	00:07:32		
	121.9	TFC	Tap Factory Made Capped, at 11 o'clock , 6 inch dim	00:09:11		
	124.0	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 239 connection is good 123.96ft from MH 407	00:09:33		
	171.0	TFC	Tap Factory Made Capped, at 11 o'clock , 6 inch dim	00:11:21		
	187.4	TFC	Tap Factory Made Capped, at 2 o'clock, 6 inch dim	00:12:32		
	197.9	TFA	Tap Factory Made Active, at 1 o'clock , 6 inch dim / 233 connection is good 197.93ft from MH 407	00:13:12		
	218.1	TFC .	Tap Factory Made Capped, at 11 o'clock , 6 inch dim	00:14:15		
	224.3	TFA	Tap Factory Made Active, at 1 o'clock, 6 inch dim / 229 connection is good 224.26ft from MH 407	00:14:49		
	255.0	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 221 connection is good 254.95ft from MH 407	00:19:28		
	267.8	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim / Shoregate	00:20:56		
	272.1	TFA	Tap Factory Made Active, at 2 o'clock , 6 inch dim / 221? connection is good 272.12 MH 407	00:21:33		



Year laid:	No.	re-cleaning: Pre-Cleaning	Direction Upstrea	n: Pipe m	Joint Length:	Total Leng 281.1 '	th:	Length Si	irveyed: .1 '
1:2088 407	No	re-cleaning: Pre-Cleaning Code AMH	Observation Manhole / 40	m	Joint Length;	Total Leng 281.1	Counter 00:23:03	Photo	Grade
QSR	QMR	QOR	SPR	MPR	ÖPR	SPRI	MPR		OPRI



		-	The state of the s		
Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.
2/7/2024			Eric and Cory	1	
Year laid:	Pre-cleaning:	Direction:	Pipe Joint Length:	Total Length:	Length Surveyed:
	No Pre-Cleaning	Upstream		211. <u>6 '</u>	211.6 '

City:	Willowick	Drainage Area:	Upstream MH: 407B	
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH: 408	
Location Details	•	Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used: 0.0	
Pipe size:	18 "	Sewer Category: SEC	Joints passed: 0	
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed: 0	
Lining Method:		Owner:		

1:1597	Distance	Code	Observation	Counter	Photo	Grade
408						
	0.0	АМН	Manhole / 407B	00:00:01		
	0.2	MVVL	Water Level, 20% of the vertical dimension	00:00:35		
	0.2	101002	Trade Estat, 2010 of the Vertical annuments.	00.00.00		
	33.8	TFA	Tap Factory Made Active, at 2 o'clock, 6 inch dim / 2 connection is good 33.80ft from MH 407B	21 00:03:15		
	36.4	TFA	Tap Factory Made Active, at 11 o'clock, 6 inch dim / Shoregate	00:03:44		
†	85.6	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim / Shoregate	00:05:34		
	136.7	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim / Shoregate /Old Bank	00:08:13		
	186.7	TFA	Tap Factory Made Active, at 10 o'clock , 6 inch dim / Shoregate	00:11:02		
	211.6	АМН	Manhole / 408	00:13:13		
407B						OPRI
QSR	QMR	QOR	SPR MPR OPR S	PRI MP		



Date:	Work Order:	Weather:	Surveyed By:	Certificate Number:	Pipe Segment Ref.:
2/8/2024			Eric and Cory	1	
Year laid:	Pre-cleaning: No Pre-Cleaning	Direction: Upstream	Pipe Joint Length:	Total Length: 165.4 '	Length Surveyed: 165.4 *

			-	
City:	Willowick	Drainage Area:	Upstream MH: 408	
Street:	E 305th St	Media Label:	Up Rim to Invert:	
Location Code:		Flow Control:	Downstream MH: 20	
Location Details:		Sheet Number:	Down Rim to Invert:	
Pipe shape:	Circular	Sewer Use:	Total gallons used: 0.0	
Pipe size:	18 "	Sewer Category: SEC	Joints passed: 0	
Pipe material:	Vitrified Clay Pipe	Purpose:	Joints failed: 0	
Lining Method:		Owner:		

Additional Info:			Α			
1:1249	Distance	Code	Observation	Counter	Photo	Grade
20						
	0.0	AMH	Manhole / 408	00:00:02		
	0.0	MWL	Water Level, 20% of the vertical dimension	00:00:03		
	18.4	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim / Shoregate	00:01:41		
	61.2	TFB	Tap Factory Made Abandoned, at 2 o'clock, 6 inch dim	00:07:03		ză.
	65.1	TFB	Tap Factory Made Abandoned, at 12 o'clock, 6 inch dir	n 00:07:43		
	67.3	TFA	Tap Factory Made Active, at 11 o'clock , 6 inch dim / Shoregate	00:08:17		
	136.1 OBB Obstacles Brick, 5% of cross sectional area, at 6 o'clock			c 00:19:44		
408	165.4	ock 00:32:10				
QSR	QMR	QOR	SPR MPR OPR SPR	I MPR	<u> </u>	OPRI
	9611111			1 1011 1	-	