Appendix C HGL PROFILES

LIST OF FIGURES: APPENDIX C – HGL PROFILES

Figure C-1 Profile Index

Figure C-2 Profile 1 - Old Town North Trunk - Part A

Figure C-3 Profile 2 - Old Town North Trunk - Part B

Figure C-4 Profile 3 - Old Town South Trunk - Part A

Figure C-5 Profile 4 - Aviation Trunk - Part A

Figure C-6 Profile 5 - Aviation Trunk - Part B

Figure C-7 Profile 6 - East Lincoln Parkway Pump Station Influent Sewer

Figure C-8 Profile 7 - North E Street Trunk Sewer

Figure C-9 Profile 8 - Old Town North Trunk - Part C

Figure C-10 Profile 9- Old Town South Trunk - Part B

Figure C-11 Profile 10 - Lincoln Crossing Trunk

Figure C-12 Profile 11- Nicolaus Road Pump Station Collection Shed

Figure C-13 Profile 12 -Nicolaus Road Pump Station Collection Shed - Part B

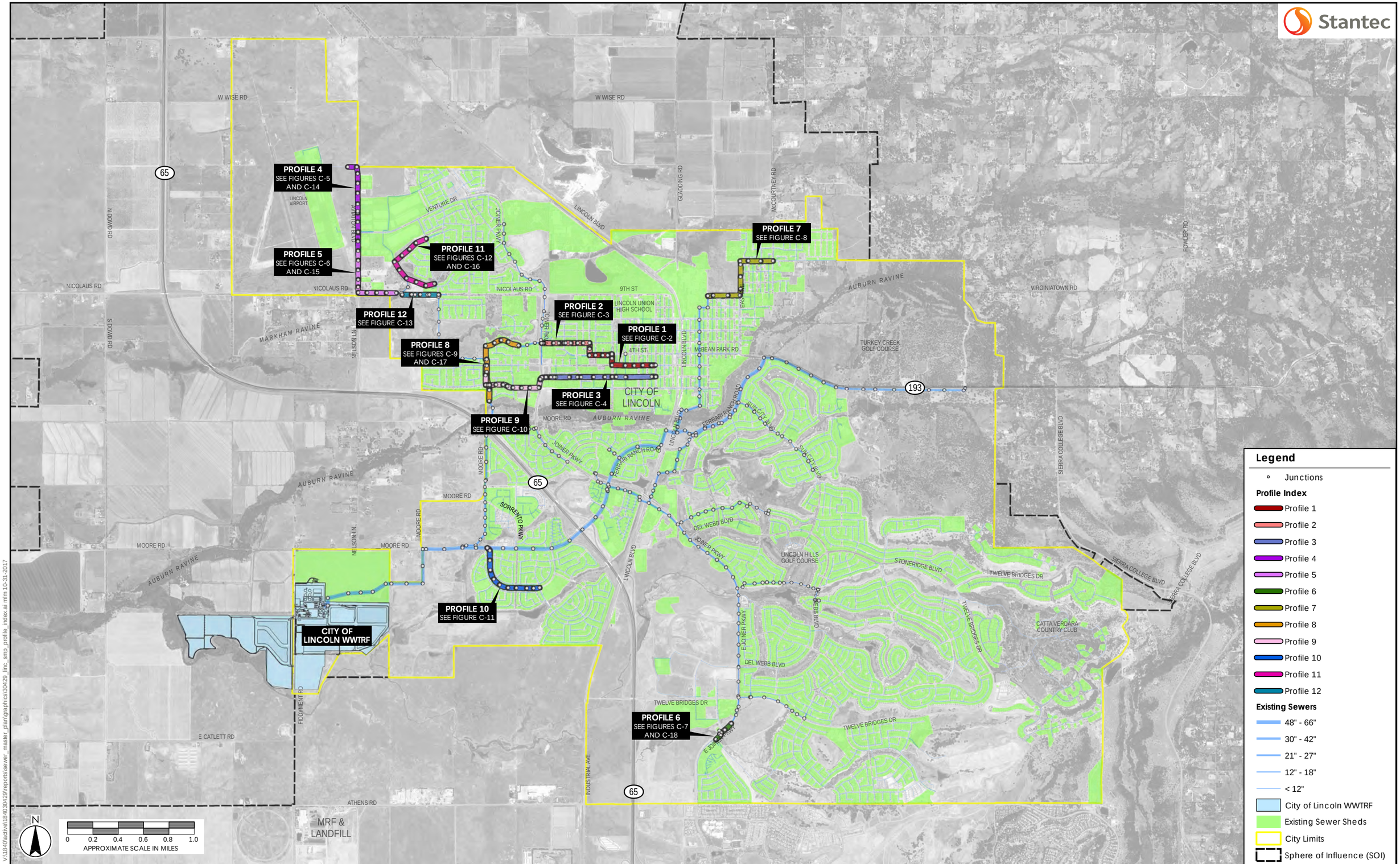
Figure C-14 Profile 4 - Aviation Trunk - Part A

Figure C-15 Profile 5 - Aviation Trunk - Part B

Figure C-16 Profile 11 - Nicolaus Road Pump Station Collection Shed - Part A

Figure C-17 Profile 8 - Old Town North Trunk - Part C

Figure C-18 Profile 6 - East Lincoln Parkway Pump Station Influent Sewer



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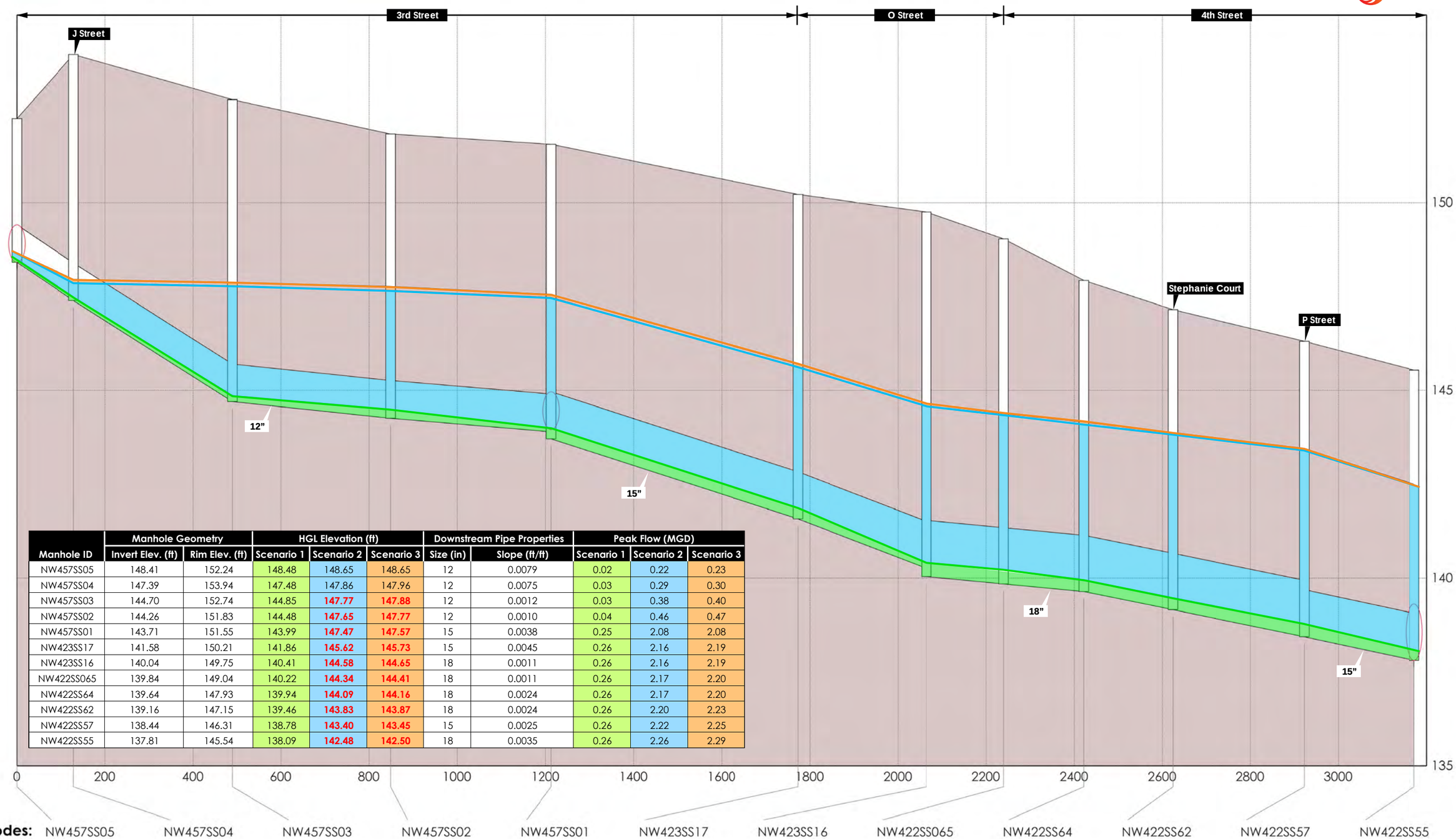
City of Lincoln
Wastewater Collection System Master Plan

Figure C-1
Profile Index



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW457SS05	148.41	152.24	148.48	148.65	148.65	12	0.0079	0.02	0.22	0.23
NW457SS04	147.39	153.94	147.48	147.86	147.96	12	0.0075	0.03	0.29	0.30
NW457SS03	144.70	152.74	144.85	**147.77**	**147.88**	12	0.0012	0.03	0.38	0.40
NW457SS02	144.26	151.83	144.48	**147.65**	**147.77**	12	0.0010	0.04	0.46	0.47
NW457SS01	143.71	151.55	143.99	**147.47**	**147.57**	15	0.0038	0.25	2.08	2.08
NW423SS17	141.58	150.21	141.86	**145.62**	**145.73**	15	0.0045	0.26	2.16	2.19
NW423SS16	140.04	149.75	140.41	**144.58**	**144.65**	18	0.0011	0.26	2.16	2.19
NW422SS065	139.84	149.04	140.22	**144.34**	**144.41**	18	0.0011	0.26	2.17	2.20
NW422SS64	139.64	147.93	139.94	**144.09**	**144.16**	18	0.0024	0.26	2.17	2.20
NW422SS62	139.16	147.15	139.46	**143.83**	**143.87**	18	0.0024	0.26	2.20	2.23
NW422SS57	138.44	146.31	138.78	**143.40**	**143.45**	15	0.0025	0.26	2.22	2.25
NW422SS55	137.81	145.54	138.09	**142.48**	**142.50**	18	0.0035	0.26	2.26	2.29

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Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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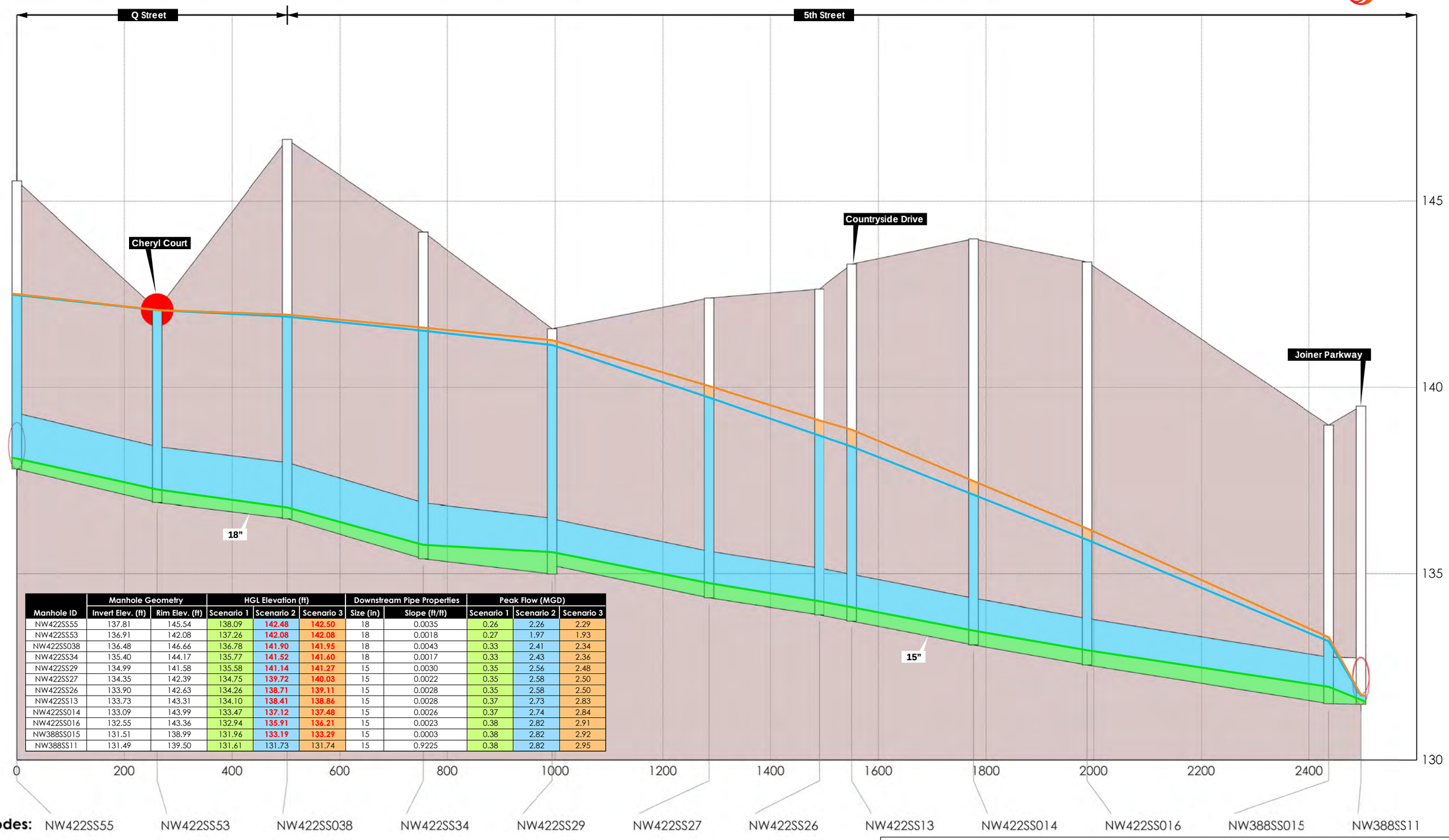
City of Lincoln
Wastewater Collection System Master Plan

Figure C-2
Profile 1 - Old Town North Trunk - Part A



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW422SS55	137.81	145.54	138.09	142.48	142.50	18	0.0035	0.26	2.26	2.29
NW422SS53	136.91	142.08	137.26	142.08	142.08	18	0.0018	0.27	1.97	1.93
NW422SS038	136.48	146.66	136.78	141.90	141.95	18	0.0043	0.33	2.41	2.34
NW422SS34	135.40	144.17	135.77	141.52	141.60	18	0.0017	0.33	2.43	2.36
NW422SS29	134.99	141.58	135.58	141.14	141.27	15	0.0030	0.35	2.56	2.48
NW422SS27	134.35	142.39	134.75	139.72	140.03	15	0.0022	0.35	2.58	2.50
NW422SS26	133.90	142.63	134.26	138.71	139.11	15	0.0028	0.35	2.58	2.50
NW422SS13	133.73	143.31	134.10	138.41	138.86	15	0.0028	0.37	2.73	2.83
NW422SS014	133.09	143.99	133.47	137.12	137.48	15	0.0026	0.37	2.74	2.84
NW422SS016	132.55	143.36	132.94	135.91	136.21	15	0.0023	0.38	2.82	2.91
NW388SS015	131.51	138.99	131.96	133.19	133.29	15	0.0003	0.38	2.82	2.92
NW388SS11	131.49	139.50	131.61	131.73	131.74	15	0.9225	0.38	2.82	2.95

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Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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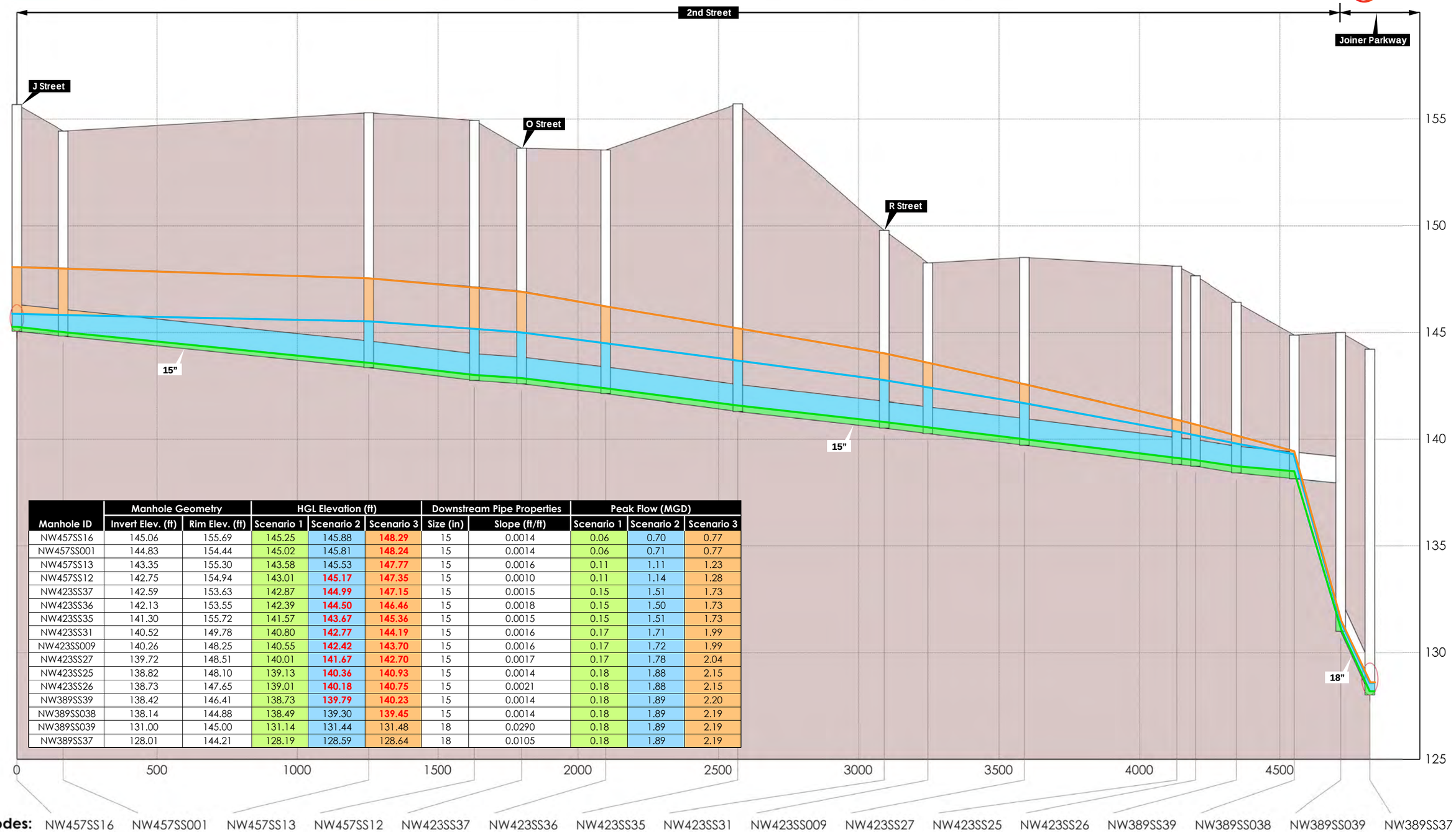
Figure C-3
Profile 2 - Old Town North Trunk - Part B



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW457SS16	145.06	155.69	145.25	145.88	148.29	15	0.0014	0.06	0.70	0.77
NW457SS001	144.83	154.44	145.02	145.81	148.24	15	0.0014	0.06	0.71	0.77
NW457SS13	143.35	155.30	143.58	145.53	147.77	15	0.0016	0.11	1.11	1.23
NW457SS12	142.75	154.94	143.01	145.17	147.35	15	0.0010	0.11	1.14	1.28
NW423SS37	142.59	153.63	142.87	144.99	147.15	15	0.0015	0.15	1.51	1.73
NW423SS36	142.13	153.55	142.39	144.50	146.46	15	0.0018	0.15	1.50	1.73
NW423SS35	141.30	155.72	141.57	143.67	145.36	15	0.0015	0.15	1.51	1.73
NW423SS31	140.52	149.78	140.80	142.77	144.19	15	0.0016	0.17	1.71	1.99
NW423SS009	140.26	148.25	140.55	142.42	143.70	15	0.0016	0.17	1.72	1.99
NW423SS27	139.72	148.51	140.01	141.67	142.70	15	0.0017	0.17	1.78	2.04
NW423SS25	138.82	148.10	139.13	140.36	140.93	15	0.0014	0.18	1.88	2.15
NW423SS26	138.73	147.65	139.01	140.18	140.75	15	0.0021	0.18	1.88	2.15
NW389SS39	138.42	146.41	138.73	139.79	140.23	15	0.0014	0.18	1.89	2.20
NW389SS038	138.14	144.88	138.49	139.30	139.45	15	0.0014	0.18	1.89	2.19
NW389SS039	131.00	145.00	131.14	131.44	131.48	18	0.0290	0.18	1.89	2.19
NW389SS37	128.01	144.21	128.19	128.59	128.64	18	0.0105	0.18	1.89	2.19

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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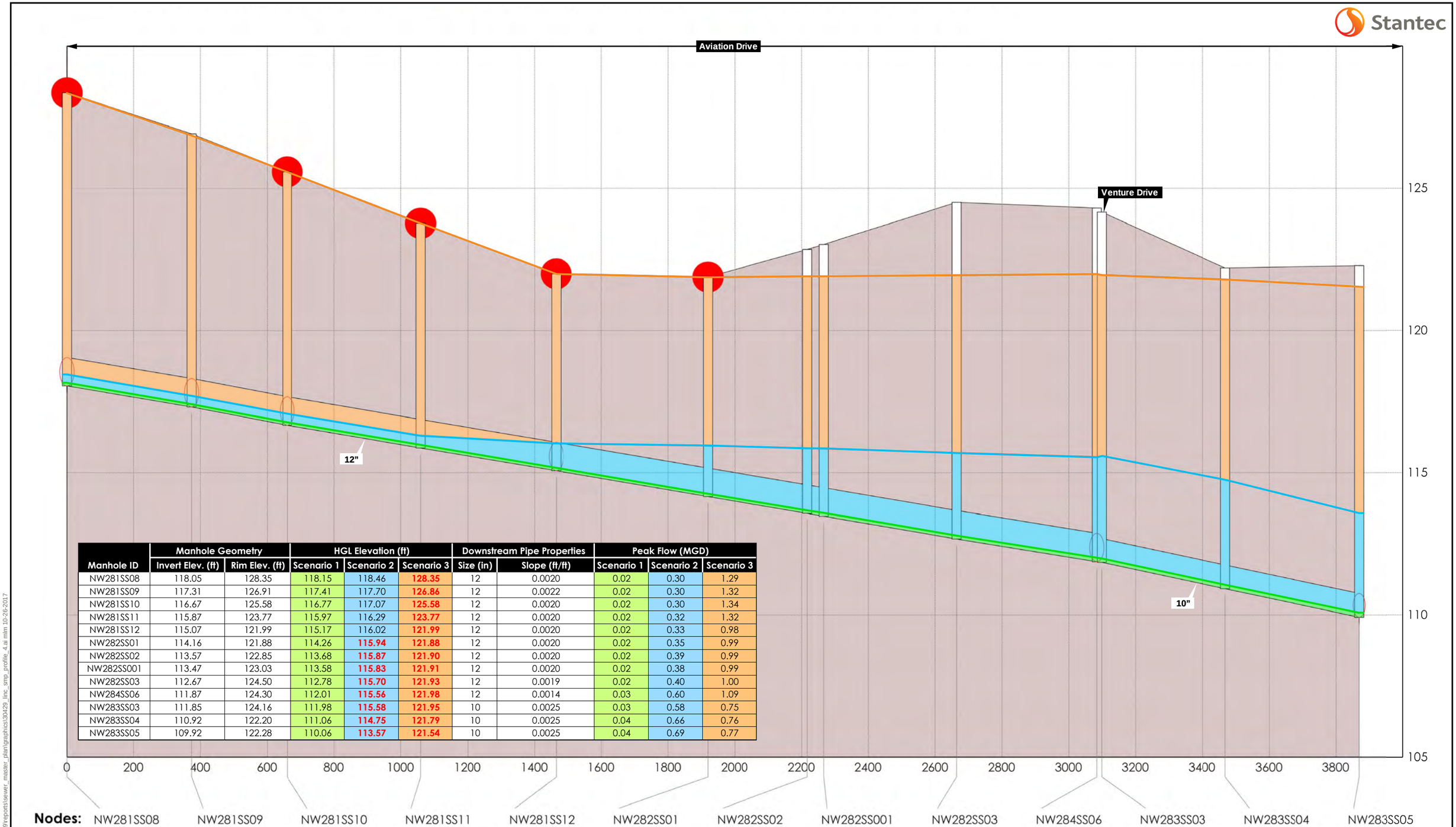
City of Lincoln
Wastewater Collection System Master Plan

Figure C-4
Profile 3 - Old Town South Trunk - Part A



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW281SS08	118.05	128.35	118.15	118.46	128.35	12	0.0020	0.02	0.30	1.29
NW281SS09	117.31	126.91	117.41	117.70	126.86	12	0.0022	0.02	0.30	1.32
NW281SS10	116.67	125.58	116.77	117.07	125.58	12	0.0020	0.02	0.30	1.34
NW281SS11	115.87	123.77	115.97	116.29	123.77	12	0.0020	0.02	0.32	1.32
NW281SS12	115.07	121.99	115.17	116.02	121.99	12	0.0020	0.02	0.33	0.98
NW282SS01	114.16	121.88	114.26	115.94	121.88	12	0.0020	0.02	0.35	0.99
NW282SS02	113.57	122.85	113.68	115.87	121.90	12	0.0020	0.02	0.39	0.99
NW282SS001	113.47	123.03	113.58	115.83	121.91	12	0.0020	0.02	0.38	0.99
NW282SS03	112.67	124.50	112.78	115.70	121.93	12	0.0019	0.02	0.40	1.00
NW284SS06	111.87	124.30	112.01	115.56	121.98	12	0.0014	0.03	0.60	1.09
NW283SS03	111.85	124.16	111.98	115.58	121.95	10	0.0025	0.03	0.58	0.75
NW283SS04	110.92	122.20	111.06	114.75	121.79	10	0.0025	0.04	0.66	0.76
NW283SS05	109.92	122.28	110.06	113.57	121.54	10	0.0025	0.04	0.69	0.77

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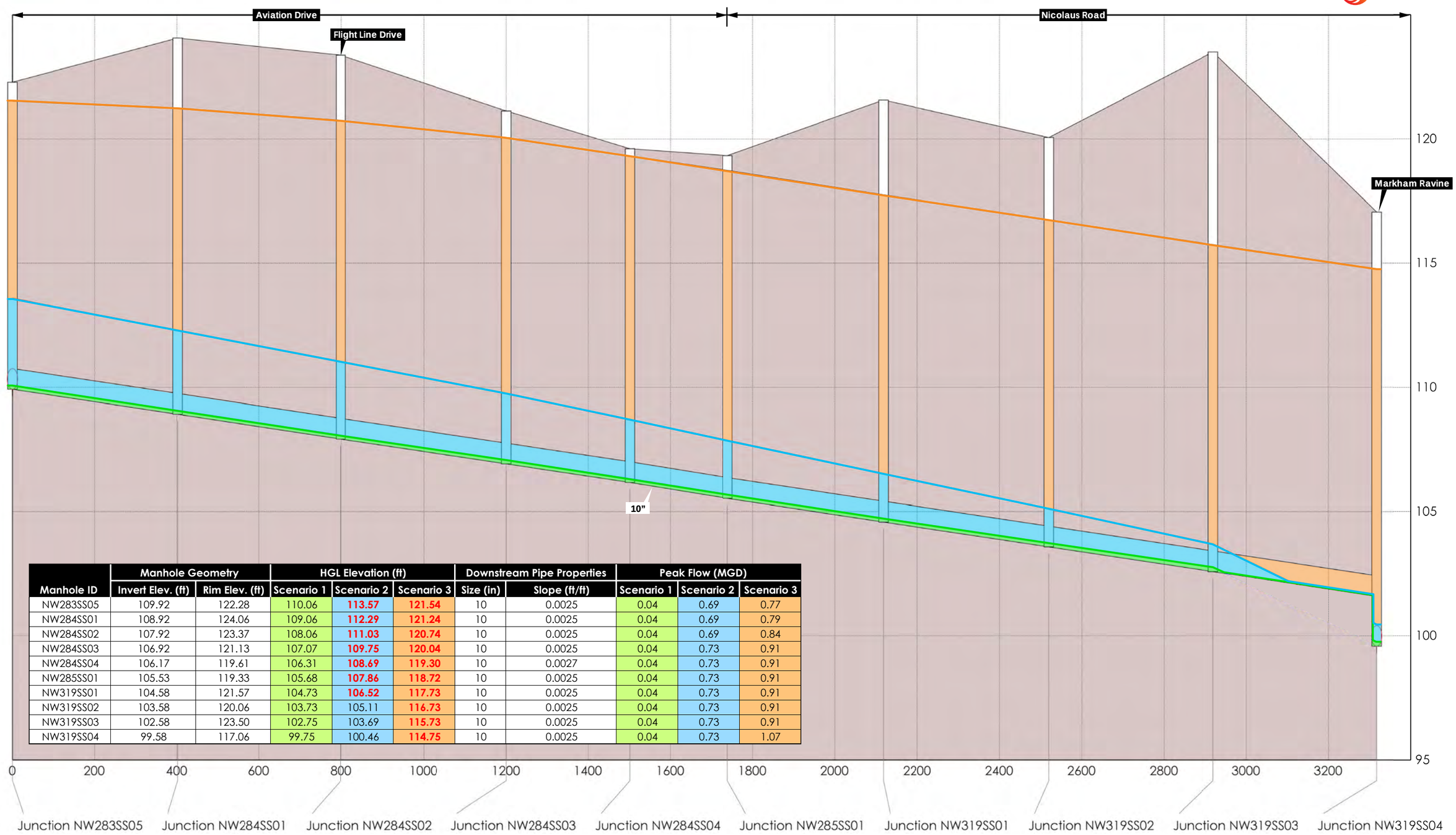
City of Lincoln
Wastewater Collection System Master Plan

Figure C-5
Profile 4 - Aviation Trunk - Part A



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW283SS05	109.92	122.28	110.06	**113.57**	**121.54**	10	0.0025	0.04	0.69	0.77
NW284SS01	108.92	124.06	109.06	**112.29**	**121.24**	10	0.0025	0.04	0.69	0.79
NW284SS02	107.92	123.37	108.06	**111.03**	**120.74**	10	0.0025	0.04	0.69	0.84
NW284SS03	106.92	121.13	107.07	**109.75**	**120.04**	10	0.0025	0.04	0.73	0.91
NW284SS04	106.17	119.61	106.31	**108.69**	**119.30**	10	0.0027	0.04	0.73	0.91
NW285SS01	105.53	119.33	105.68	**107.86**	**118.72**	10	0.0025	0.04	0.73	0.91
NW319SS01	104.58	121.57	104.73	**106.52**	**117.73**	10	0.0025	0.04	0.73	0.91
NW319SS02	103.58	120.06	103.73	105.11	**116.73**	10	0.0025	0.04	0.73	0.91
NW319SS03	102.58	123.50	102.75	103.69	**115.73**	10	0.0025	0.04	0.73	0.91
NW319SS04	99.58	117.06	99.75	100.46	**114.75**	10	0.0025	0.04	0.73	1.07

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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City of Lincoln
Wastewater Collection System Master Plan

Figure C-6
Profile 5 - Aviation Trunk - Part B

	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
SE502SS09	146.30	152.50	146.46	146.59	146.59	12	0.0419	0.35	1.11	1.11
SE502SS10	130.00	148.50	130.33	**141.11**	**141.28**	18	0.0028	0.49	1.66	2.59
SE502SS11	129.20	149.54	129.71	**141.07**	**141.12**	21	0.0017	0.97	3.15	3.88
SE502SS12	130.10	146.60	130.41	**141.10**	**141.12**	15	0.0046	0.49	1.58	1.76
SE502SS13	130.32	141.10	130.66	**141.10**	**141.10**	15	0.0033	0.49	1.61	1.75
SE503SS05	130.93	142.70	131.29	**141.24**	**141.42**	15	0.0023	0.49	1.60	2.15

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Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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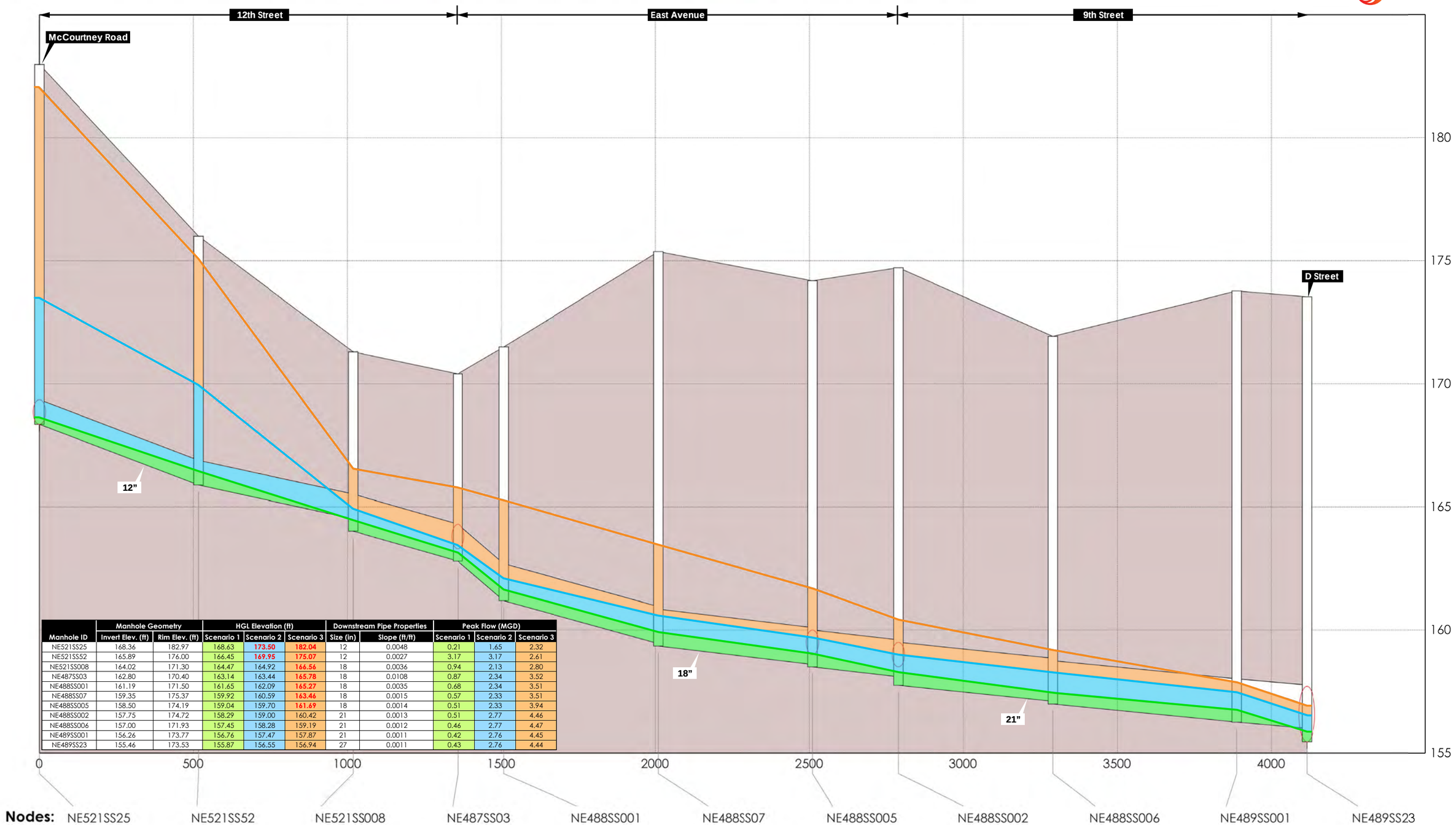
City of Lincoln
Wastewater Collection System Master Plan

Figure C-7
Profile 6 - East Lincoln Parkway Pump Station Influent Sewers



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NE521SS25	168.36	182.97	168.63	173.50	182.04	12	0.0048	0.21	1.65	2.32
NE521SS52	165.89	176.00	166.45	169.95	175.07	12	0.0027	3.17	3.17	2.61
NE521SS008	164.02	171.30	164.47	164.92	166.56	18	0.0036	0.94	2.13	2.80
NE487SS03	162.80	170.40	163.14	163.44	165.78	18	0.0108	0.87	2.34	3.52
NE488SS001	161.19	171.50	161.65	162.09	165.27	18	0.0035	0.68	2.34	3.51
NE488SS07	159.35	175.37	159.92	160.59	163.46	18	0.0015	0.57	2.33	3.51
NE488SS005	158.50	174.19	159.04	159.70	161.69	18	0.0014	0.51	2.33	3.94
NE488SS002	157.75	174.72	158.29	159.00	160.42	21	0.0013	0.51	2.77	4.46
NE488SS006	157.00	171.93	157.45	158.28	159.19	21	0.0012	0.46	2.77	4.47
NE489SS001	156.26	173.77	156.76	157.47	157.87	21	0.0011	0.42	2.76	4.45
NE489SS23	155.46	173.53	155.87	156.55	156.94	27	0.0011	0.43	2.76	4.44

LEGEND

Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow
XXX.XX		Scenario 2 - Existing Wet Weather Flow
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
		Red Indicates Level of Service (LOS) Failures

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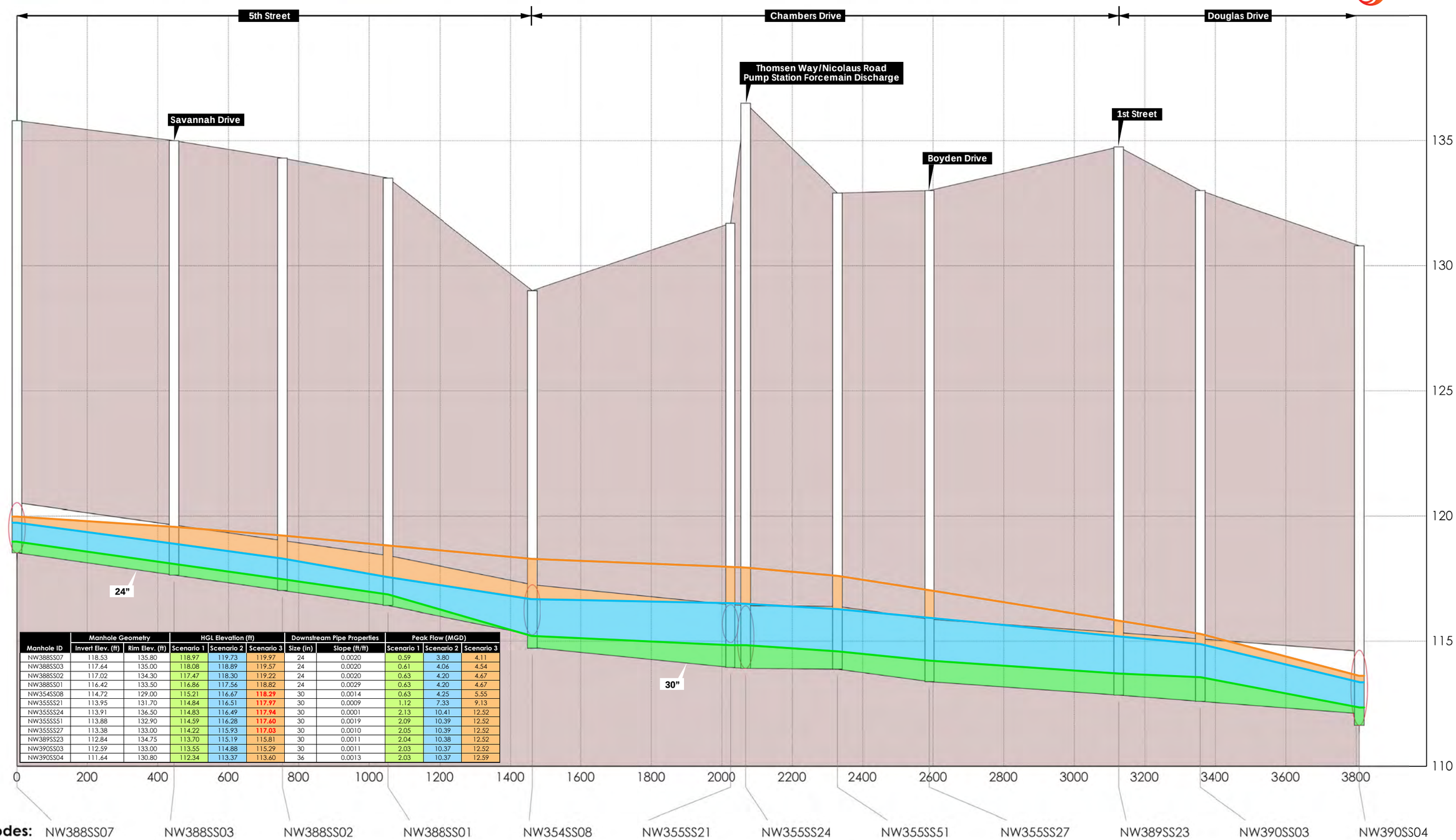
City of Lincoln
Wastewater Collection System Master Plan

Figure C-8
Profile 7 - North E Street Trunk Sewer



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW388SS07	118.53	135.80	118.97	119.73	119.97	24	0.0020	0.59	3.80	4.11
NW388SS03	117.64	135.00	118.08	118.89	119.57	24	0.0020	0.61	4.06	4.54
NW388SS02	117.02	134.30	117.47	118.30	119.22	24	0.0020	0.63	4.20	4.67
NW388SS01	116.42	133.50	116.86	117.56	118.82	24	0.0029	0.63	4.20	4.67
NW354SS08	114.72	129.00	115.21	116.67	118.29	30	0.0014	0.63	4.25	5.55
NW355SS21	113.95	131.70	114.84	116.51	117.97	30	0.0009	1.12	7.33	9.13
NW355SS24	113.91	136.50	114.83	116.49	117.94	30	0.0001	2.13	10.41	12.52
NW355SS51	113.88	132.90	114.59	116.28	117.60	30	0.0019	2.09	10.39	12.52
NW355SS27	113.38	133.00	114.22	115.93	117.03	30	0.0010	2.05	10.39	12.52
NW389SS23	112.84	134.75	113.70	115.19	115.81	30	0.0011	2.04	10.38	12.52
NW390SS03	112.59	133.00	113.55	114.88	115.29	30	0.0011	2.03	10.37	12.52
NW390SS04	111.64	130.80	112.34	113.37	113.60	36	0.0013	2.03	10.37	12.59

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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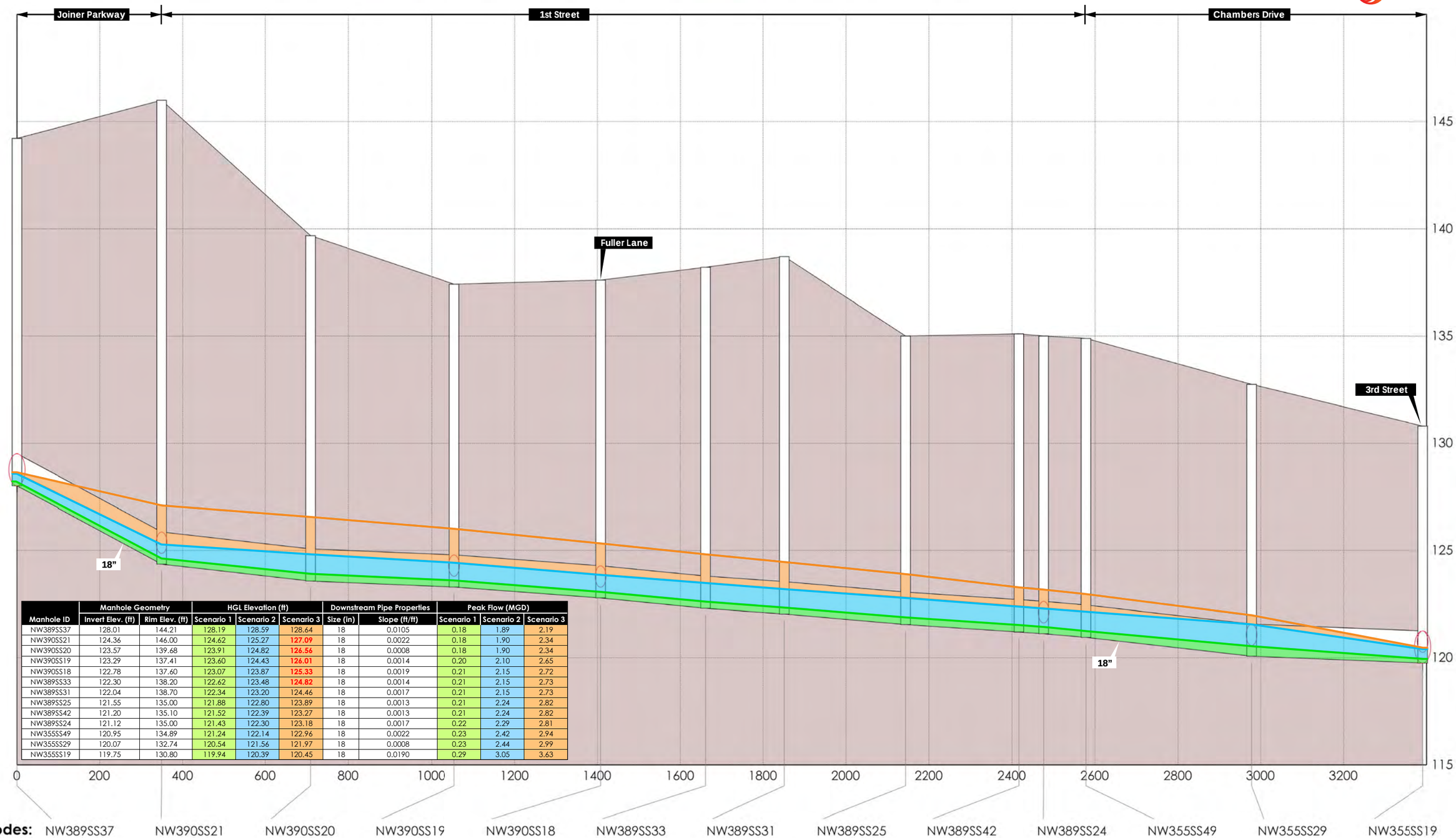
City of Lincoln
Wastewater Collection System Master Plan

Figure C-9
Profile 8 - Old Town North Trunk - Part C



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW389SS37	128.01	144.21	128.19	128.59	128.64	18	0.0105	0.18	1.89	2.19
NW390SS21	124.36	146.00	124.62	125.27	**127.09**	18	0.0022	0.18	1.90	2.34
NW390SS20	123.57	139.68	123.91	124.82	**126.56**	18	0.0008	0.18	1.90	2.34
NW390SS19	123.29	137.41	123.60	124.43	**126.01**	18	0.0014	0.20	2.10	2.65
NW390SS18	122.78	137.60	123.07	123.87	**125.33**	18	0.0019	0.21	2.15	2.72
NW389SS33	122.30	138.20	122.62	123.48	**124.82**	18	0.0014	0.21	2.15	2.73
NW389SS31	122.04	138.70	122.34	123.20	124.46	18	0.0017	0.21	2.15	2.73
NW389SS25	121.55	135.00	121.88	122.80	123.89	18	0.0013	0.21	2.24	2.82
NW389SS42	121.20	135.10	121.52	122.39	123.27	18	0.0013	0.21	2.24	2.82
NW389SS24	121.12	135.00	121.43	122.30	123.18	18	0.0017	0.22	2.29	2.81
NW355SS49	120.95	134.89	121.24	122.14	122.96	18	0.0022	0.23	2.42	2.94
NW355SS29	120.07	132.74	120.54	121.56	121.97	18	0.0008	0.23	2.44	2.99
NW355SS19	119.75	130.80	119.94	120.39	120.45	18	0.0190	0.29	3.05	3.63

LEGEND

Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow
XXX.XX		Scenario 2 - Existing Wet Weather Flow
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds

Red Indicates Level of Service (LOS) Failures

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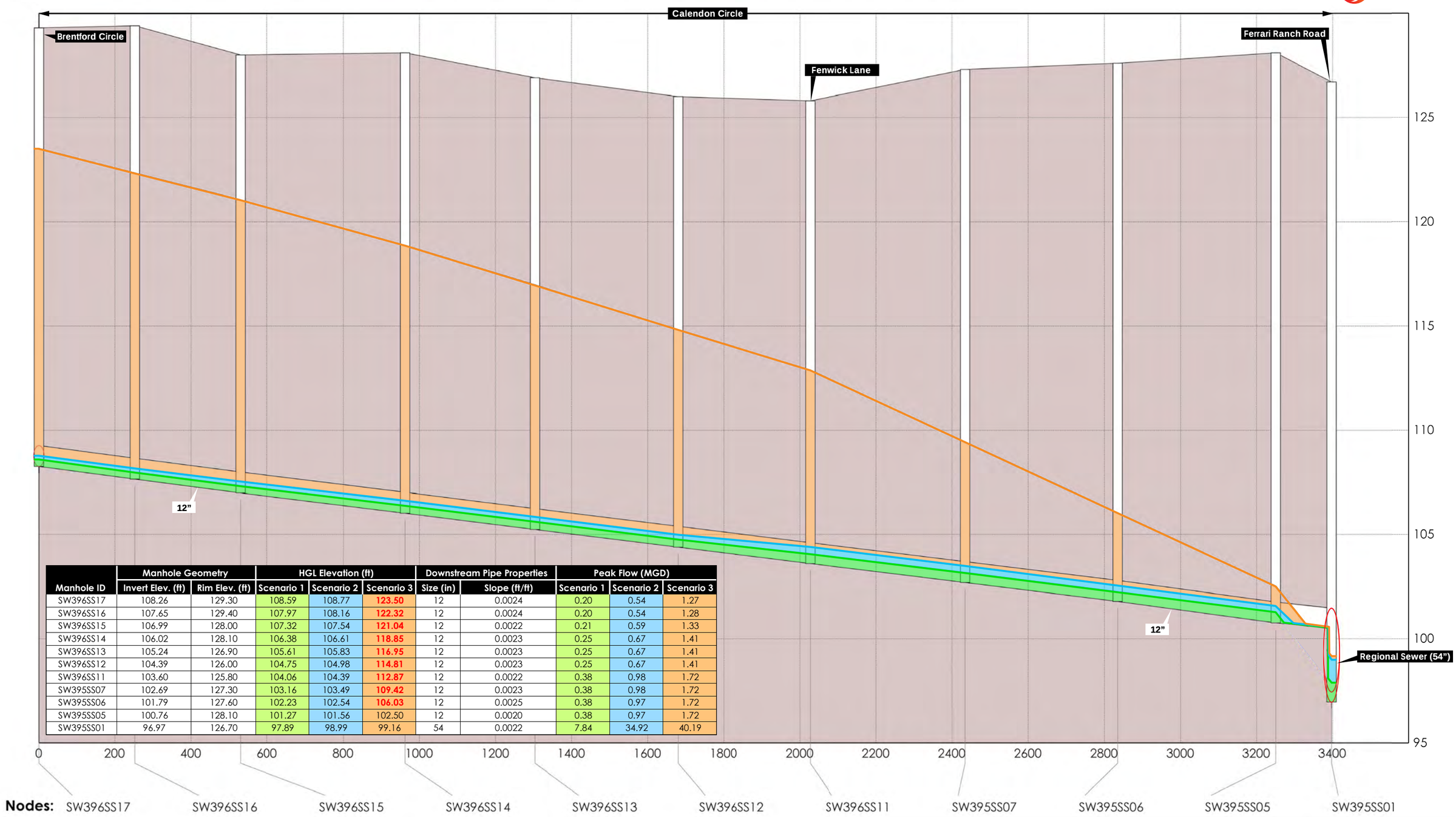
City of Lincoln
Wastewater Collection System Master Plan

Figure C-10
Profile 9 - Old Town South Trunk - Part B



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
SW396SS17	108.26	129.30	108.59	108.77	**123.50**	12	0.0024	0.20	0.54	1.27
SW396SS16	107.65	129.40	107.97	108.16	**122.32**	12	0.0024	0.20	0.54	1.28
SW396SS15	106.99	128.00	107.32	107.54	**121.04**	12	0.0022	0.21	0.59	1.33
SW396SS14	106.02	128.10	106.38	106.61	**118.85**	12	0.0023	0.25	0.67	1.41
SW396SS13	105.24	126.90	105.61	105.83	**116.95**	12	0.0023	0.25	0.67	1.41
SW396SS12	104.39	126.00	104.75	104.98	**114.81**	12	0.0023	0.25	0.67	1.41
SW396SS11	103.60	125.80	104.06	104.39	**112.87**	12	0.0022	0.38	0.98	1.72
SW395SS07	102.69	127.30	103.16	103.49	**109.42**	12	0.0023	0.38	0.98	1.72
SW395SS06	101.79	127.60	102.23	102.54	**106.03**	12	0.0025	0.38	0.97	1.72
SW395SS05	100.76	128.10	101.27	101.56	102.50	12	0.0020	0.38	0.97	1.72
SW395SS01	96.97	126.70	97.89	98.99	99.16	54	0.0022	7.84	34.92	40.19

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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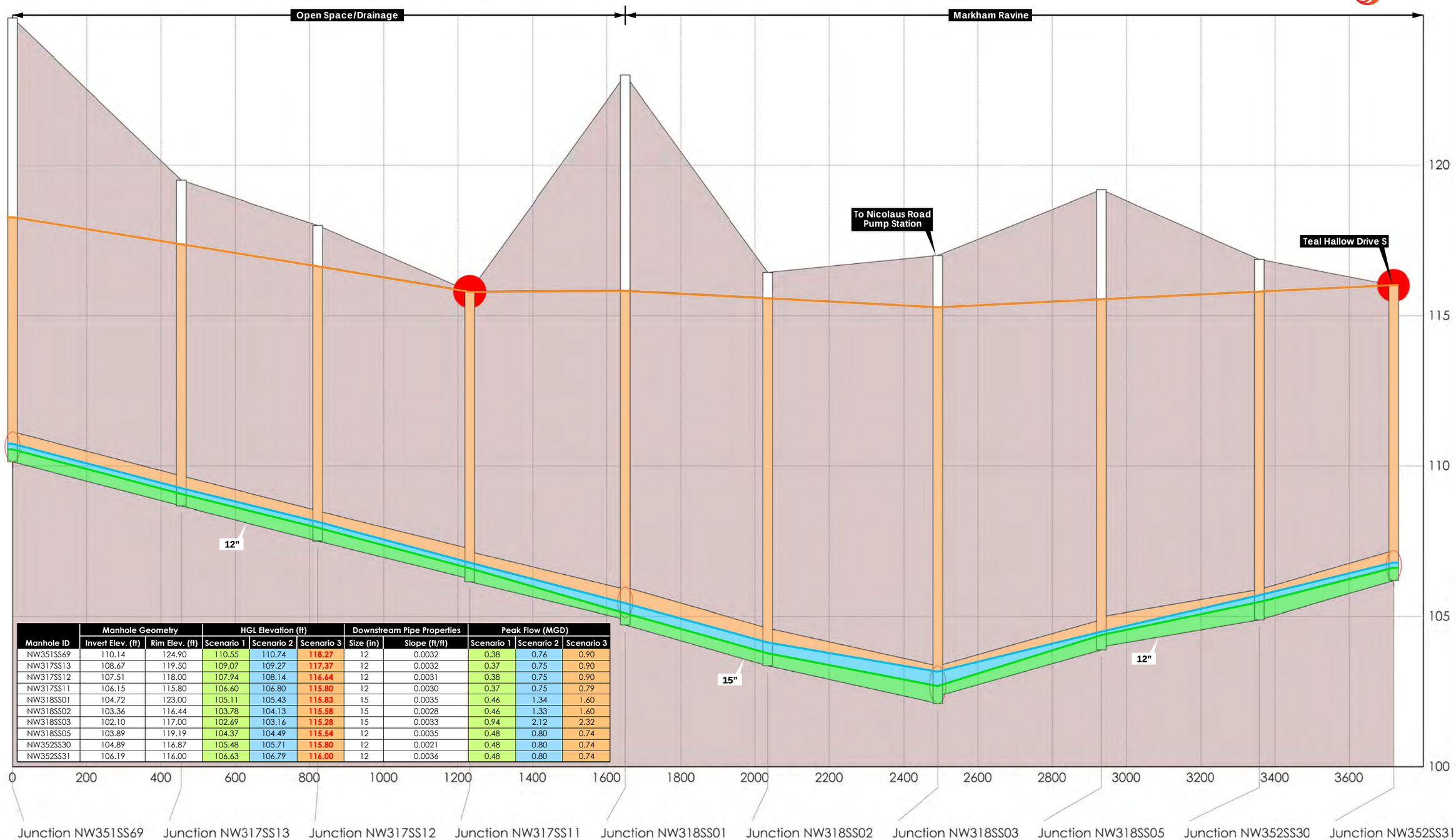
City of Lincoln
Wastewater Collection System Master Plan

Figure C-11
Profile 10 - Lincoln Crossing Trunk



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW351SS69	110.14	124.90	110.55	110.74	**118.27**	12	0.0032	0.38	0.76	0.90
NW317SS13	108.67	119.50	109.07	109.27	**117.37**	12	0.0032	0.37	0.75	0.90
NW317SS12	107.51	118.00	107.94	108.14	**116.64**	12	0.0031	0.38	0.75	0.90
NW317SS11	106.15	115.80	106.60	106.80	**115.80**	12	0.0030	0.37	0.75	0.79
NW318SS01	104.72	123.00	105.11	105.43	**115.83**	15	0.0035	0.46	1.34	1.60
NW318SS02	103.36	116.44	103.78	104.13	**115.58**	15	0.0028	0.46	1.33	1.60
NW318SS03	102.10	117.00	102.69	103.16	**115.28**	15	0.0033	0.94	2.12	2.32
NW318SS05	103.89	119.19	104.37	104.49	**115.54**	12	0.0035	0.48	0.80	0.74
NW352SS30	104.89	116.87	105.48	105.71	**115.80**	12	0.0021	0.48	0.80	0.74
NW352SS31	106.19	116.00	106.63	106.79	**116.00**	12	0.0036	0.48	0.80	0.74

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
XXX.XX		Scenario 2 - Existing Wet Weather Flow			Red Indicates Level of Service (LOS) Failures

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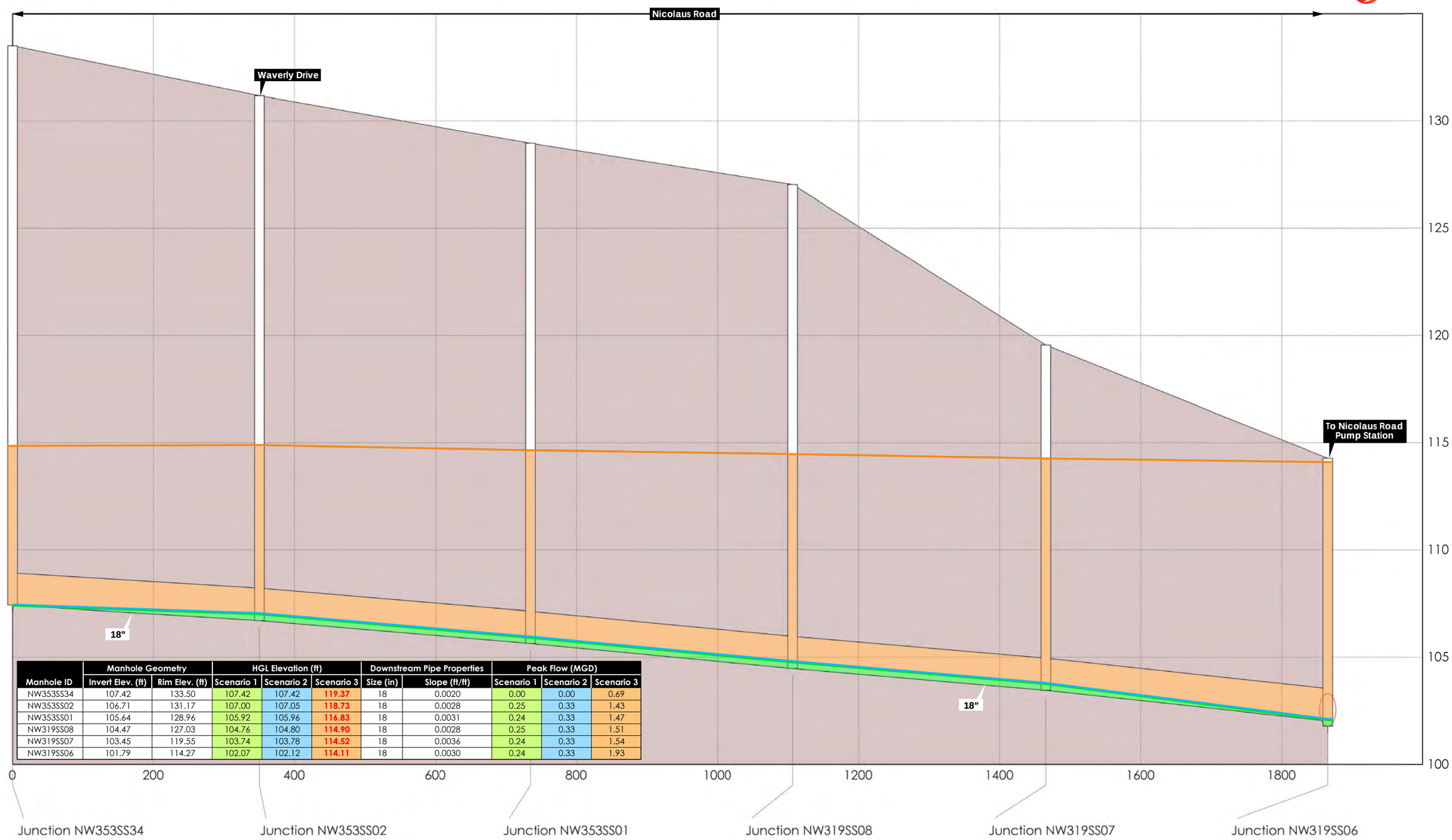
City of Lincoln
Wastewater Collection System Master Plan

Figure C-12
Profile 11 - Nicolaus Road Pump Station Collection Shed



	Manhole Geometry		HGL Elevation (ft)			Downstream Pipe Properties		Peak Flow (MGD)		
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 1	Scenario 2	Scenario 3	Size (in)	Slope (ft/ft)	Scenario 1	Scenario 2	Scenario 3
NW353SS34	107.42	133.50	107.42	107.42	119.37	18	0.0020	0.00	0.00	0.69
NW353SS02	106.71	131.17	107.00	107.05	118.73	18	0.0028	0.25	0.33	1.43
NW353SS01	105.64	128.96	105.92	105.96	116.83	18	0.0031	0.24	0.33	1.47
NW319SS08	104.47	127.03	104.76	104.80	114.90	18	0.0028	0.25	0.33	1.51
NW319SS07	103.45	119.55	103.74	103.78	114.52	18	0.0036	0.24	0.33	1.54
NW319SS06	101.79	114.27	102.07	102.12	114.11	18	0.0030	0.24	0.33	1.93

LEGEND

Table	Profile	
XXX.XX		Scenario 1 - Existing Dry Weather Flow
XXX.XX		Scenario 2 - Existing Wet Weather Flow
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds

Red Indicates Level of Service (LOS) Failures

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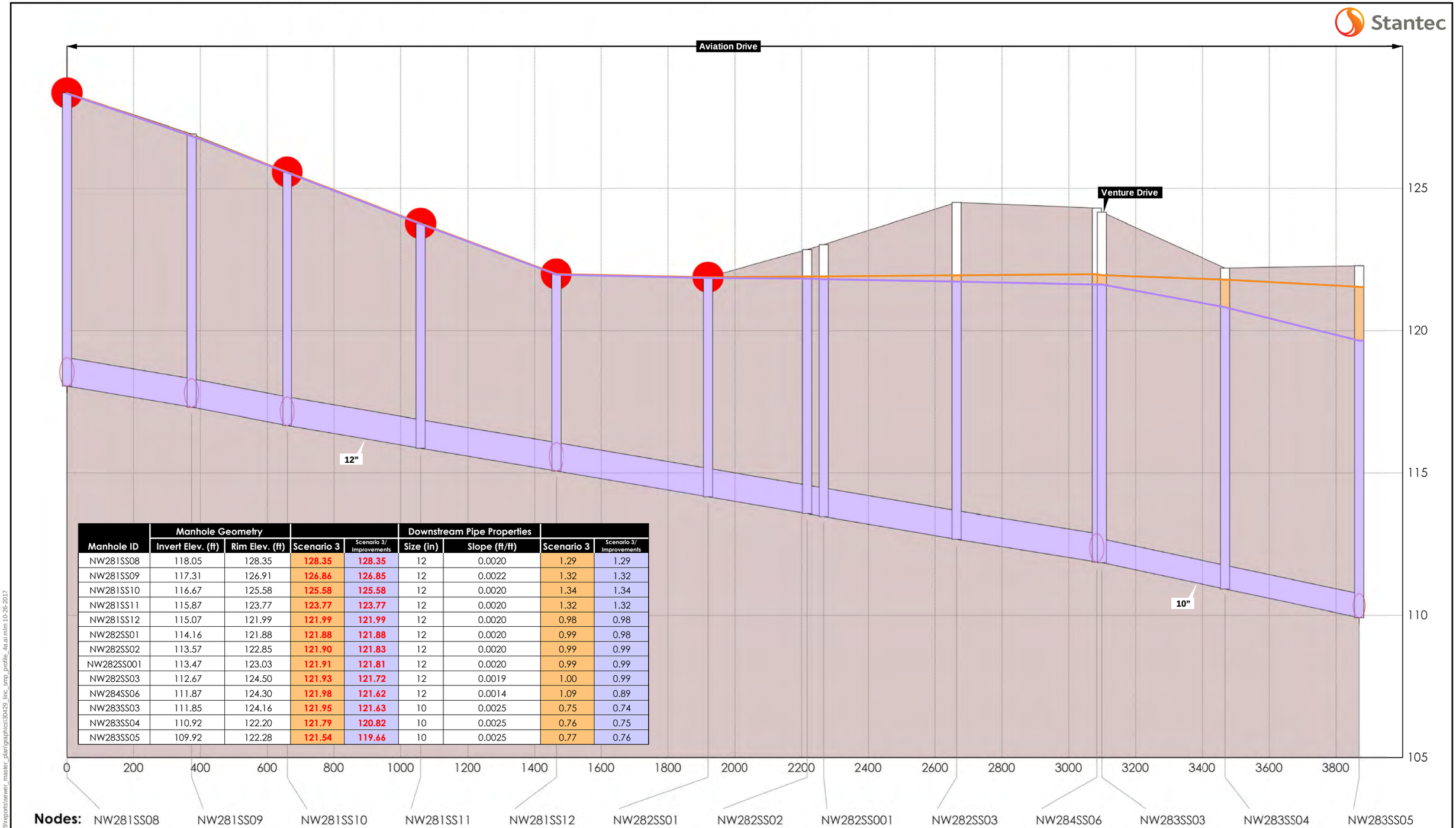
City of Lincoln
Wastewater Collection System Master Plan

Figure C-13
Profile 12 - Nicolaus Road Pump Station Collection Shed - Part B



Manhole ID	Manhole Geometry				Downstream Pipe Properties			
	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 3	Scenario 3/ Improvements	Size (in)	Slope (ft/ft)	Scenario 3	Scenario 3/ Improvements
NW281SS08	118.05	128.35	128.35	128.35	12	0.0020	1.29	1.29
NW281SS09	117.31	126.91	126.86	126.85	12	0.0022	1.32	1.32
NW281SS10	116.67	125.58	125.58	125.58	12	0.0020	1.34	1.34
NW281SS11	115.87	123.77	123.77	123.77	12	0.0020	1.32	1.32
NW281SS12	115.07	121.99	121.99	121.99	12	0.0020	0.98	0.98
NW282SS01	114.16	121.88	121.88	121.88	12	0.0020	0.99	0.98
NW282SS02	113.57	122.85	121.90	121.83	12	0.0020	0.99	0.99
NW282SS001	113.47	123.03	121.91	121.81	12	0.0020	0.99	0.99
NW282SS03	112.67	124.50	121.93	121.72	12	0.0019	1.00	0.99
NW284SS06	111.87	124.30	121.98	121.62	12	0.0014	1.09	0.89
NW283SS03	111.85	124.16	121.95	121.63	10	0.0025	0.75	0.74
NW283SS04	110.92	122.20	121.79	120.82	10	0.0025	0.76	0.75
NW283SS05	109.92	122.28	121.54	119.66	10	0.0025	0.77	0.76

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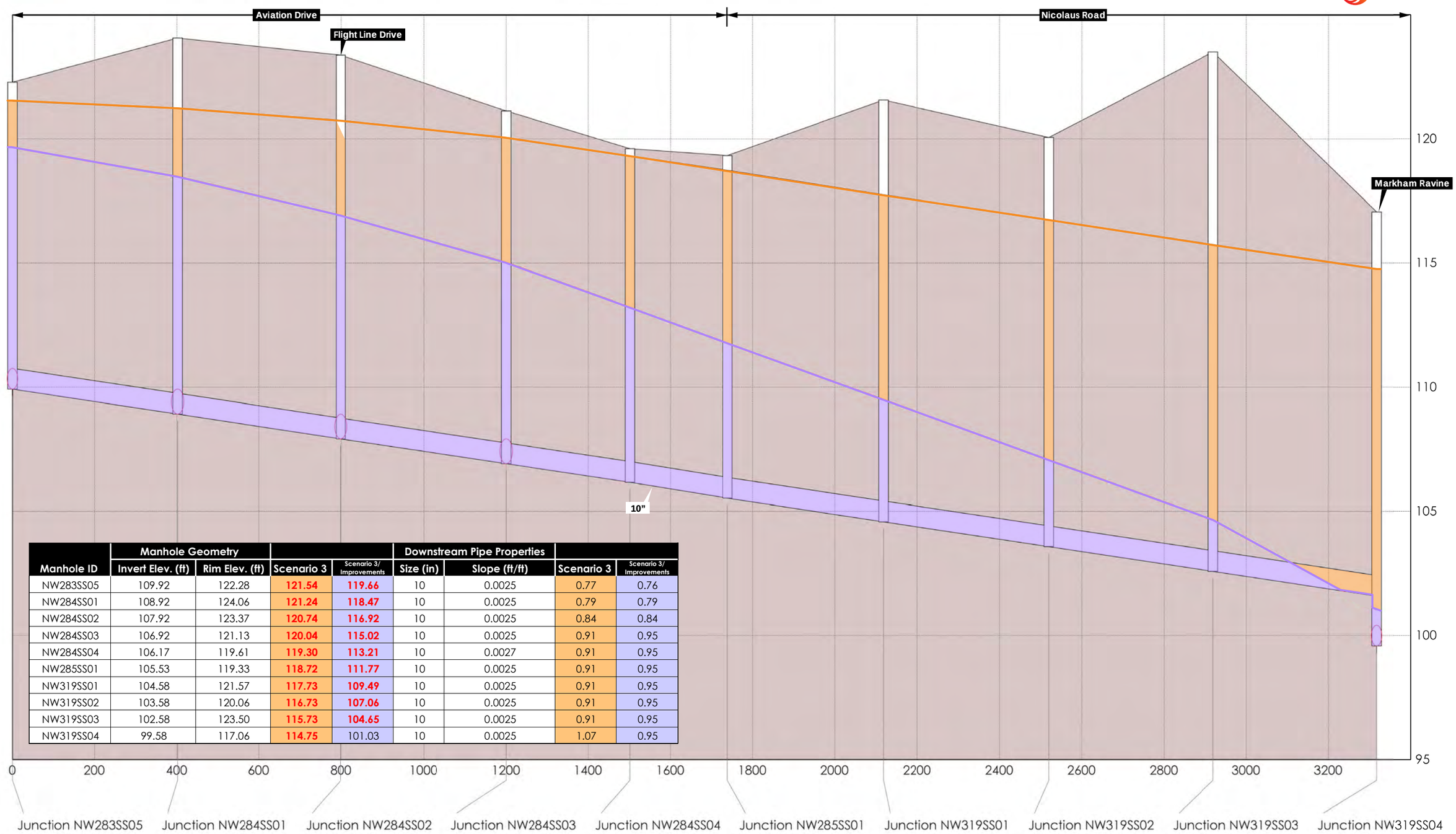
City of Lincoln
Wastewater Collection System Master Plan

Figure C-14
Profile 4 - Aviation Trunk - Part A



	Manhole Geometry				Downstream Pipe Properties			
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 3	Scenario 3/ Improvements	Size (in)	Slope (ft/ft)	Scenario 3	Scenario 3/ Improvements
NW283SS05	109.92	122.28	121.54	119.66	10	0.0025	0.77	0.76
NW284SS01	108.92	124.06	121.24	118.47	10	0.0025	0.79	0.79
NW284SS02	107.92	123.37	120.74	116.92	10	0.0025	0.84	0.84
NW284SS03	106.92	121.13	120.04	115.02	10	0.0025	0.91	0.95
NW284SS04	106.17	119.61	119.30	113.21	10	0.0027	0.91	0.95
NW285SS01	105.53	119.33	118.72	111.77	10	0.0025	0.91	0.95
NW319SS01	104.58	121.57	117.73	109.49	10	0.0025	0.91	0.95
NW319SS02	103.58	120.06	116.73	107.06	10	0.0025	0.91	0.95
NW319SS03	102.58	123.50	115.73	104.65	10	0.0025	0.91	0.95
NW319SS04	99.58	117.06	114.75	101.03	10	0.0025	1.07	0.95

LEGEND

Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds with NRPS Capacity Improvements

Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds

Red Indicates Level of Service (LOS) Failures

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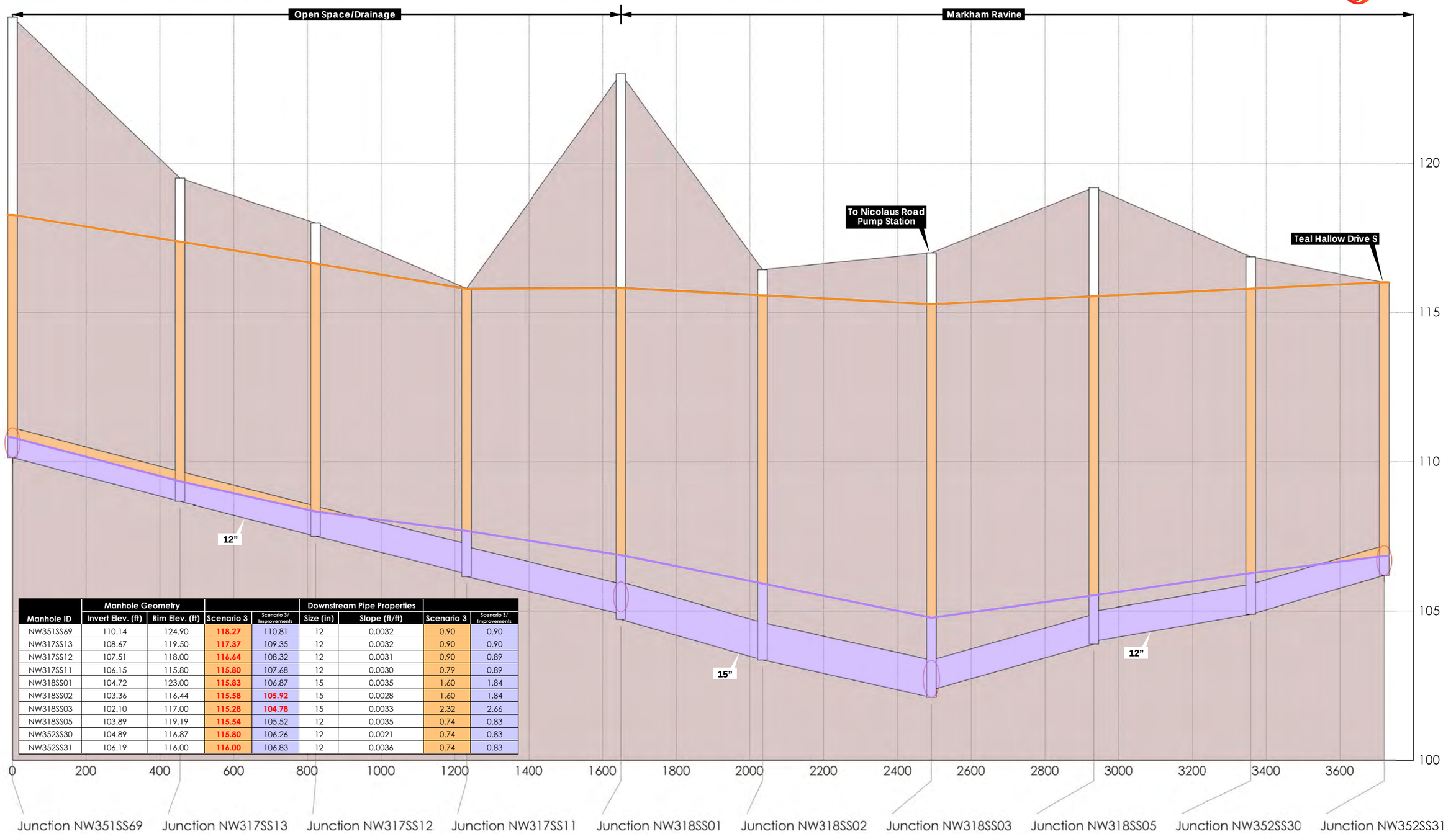
City of Lincoln
Wastewater Collection System Master Plan

Figure C-15
Profile 5 - Aviation Trunk - Part B



	Manhole Geometry				Downstream Pipe Properties			
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 3	Scenario 3/ Improvements	Size (in)	Slope (ft/ft)	Scenario 3	Scenario 3/ Improvements
NW351SS69	110.14	124.90	118.27	110.81	12	0.0032	0.90	0.90
NW317SS13	108.67	119.50	117.37	109.35	12	0.0032	0.90	0.90
NW317SS12	107.51	118.00	116.64	108.32	12	0.0031	0.90	0.89
NW317SS11	106.15	115.80	115.80	107.68	12	0.0030	0.79	0.89
NW318SS01	104.72	123.00	115.83	106.87	15	0.0035	1.60	1.84
NW318SS02	103.36	116.44	115.58	105.92	15	0.0028	1.60	1.84
NW318SS03	102.10	117.00	115.28	104.78	15	0.0033	2.32	2.66
NW318SS05	103.89	119.19	115.54	105.52	12	0.0035	0.74	0.83
NW352SS30	104.89	116.87	115.80	106.26	12	0.0021	0.74	0.83
NW352SS31	106.19	116.00	116.00	106.83	12	0.0036	0.74	0.83

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds with NRPS Capacity Improvements	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds
			Red Indicates Level of Service (LOS) Failures		

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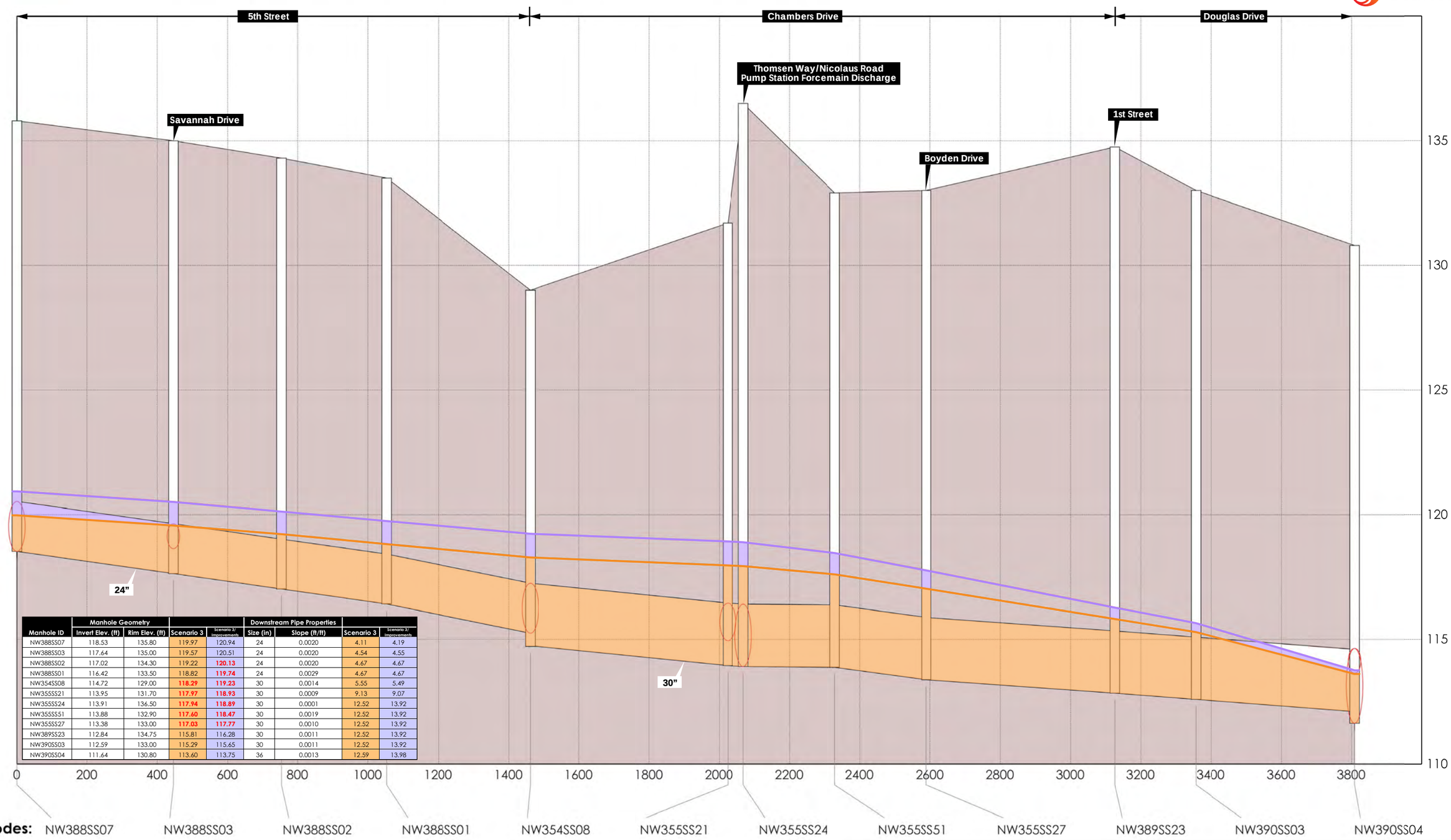
City of Lincoln
Wastewater Collection System Master Plan

Figure C-16
Profile 11 - Nicolaus Road Pump Station Collection Shed - Part A



	Manhole Geometry				Downstream Pipe Properties			
Manhole ID	Invert Elev. (ft)	Rim Elev. (ft)	Scenario 3	Scenario 3/ Improvements	Size (in)	Slope (ft/ft)	Scenario 3	Scenario 3/ Improvements
NW388SS07	118.53	135.80	119.97	120.94	24	0.0020	4.11	4.19
NW388SS03	117.64	135.00	119.57	120.51	24	0.0020	4.54	4.55
NW388SS02	117.02	134.30	119.22	**120.13**	24	0.0020	4.67	4.67
NW388SS01	116.42	133.50	118.82	**119.74**	24	0.0029	4.67	4.67
NW354SS08	114.72	129.00	**118.29**	**119.23**	30	0.0014	5.55	5.49
NW355SS21	113.95	131.70	**117.97**	**118.93**	30	0.0009	9.13	9.07
NW355SS24	113.91	136.50	**117.94**	**118.89**	30	0.0001	12.52	13.92
NW355SS51	113.88	132.90	**117.60**	**118.47**	30	0.0019	12.52	13.92
NW355SS27	113.38	133.00	**117.03**	**117.77**	30	0.0010	12.52	13.92
NW389SS23	112.84	134.75	115.81	116.28	30	0.0011	12.52	13.92
NW390SS03	112.59	133.00	115.29	115.65	30	0.0011	12.52	13.92
NW390SS04	111.64	130.80	113.60	113.75	36	0.0013	12.59	13.98

LEGEND

Table	Profile		Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds with NRPS Capacity Improvements	XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds

Red Indicates Level of Service (LOS) Failures

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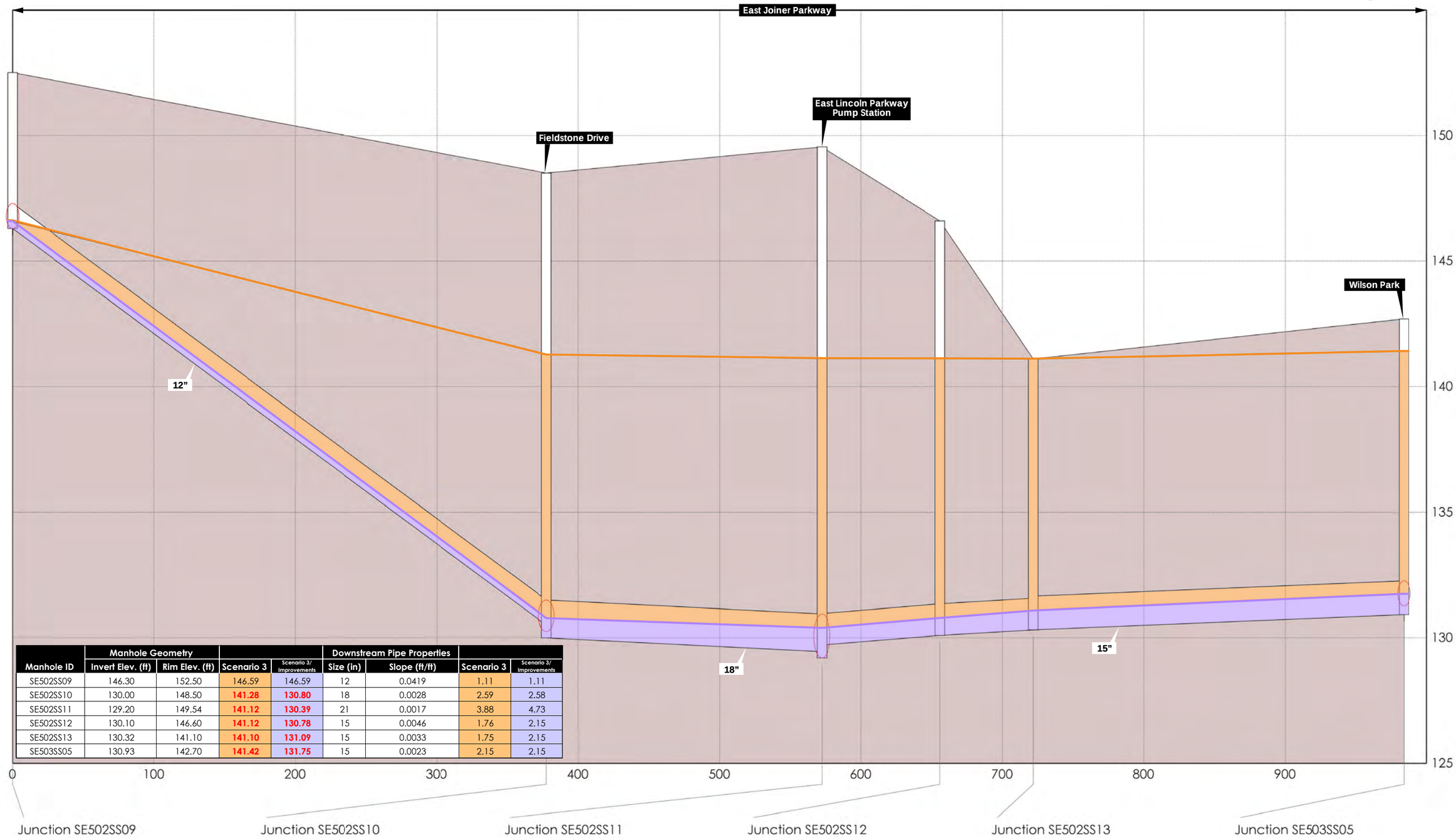
City of Lincoln
Wastewater Collection System Master Plan

Figure C-17
Profile 8 - Old Town North Trunk - Part C



Manhole ID	Manhole Geometry: Invert Elev. (ft)	Manhole Geometry: Rim Elev. (ft)	Scenario 3	Scenario 3/ Improvements	Downstream Pipe Properties: Size (in)	Downstream Pipe Properties: Slope (ft/ft)	Scenario 3	Scenario 3/ Improvements
SE502SS09	146.30	152.50	146.59	146.59	12	0.0419	1.11	1.11
SE502SS10	130.00	148.50	141.28	130.80	18	0.0028	2.59	2.58
SE502SS11	129.20	149.54	141.12	130.39	21	0.0017	3.88	4.73
SE502SS12	130.10	146.60	141.12	130.78	15	0.0046	1.76	2.15
SE502SS13	130.32	141.10	141.10	131.09	15	0.0033	1.75	2.15
SE503SS05	130.93	142.70	141.42	131.75	15	0.0023	2.15	2.15

LEGEND

Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds with NRPS Capacity Improvements

Table	Profile	
XXX.XX		Scenario 3 - Buildout Of Existing Sewersheds

Red Indicates Level of Service (LOS) Failures

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City of Lincoln
Wastewater Collection System Master Plan

Figure C-18
Profile 6 - East Lincoln Parkway Pump Station Influent Sewer