

Appendix A MASTER PLAN SUMMARY TABLES (PLANNING)

CITY OF LINCOLN - WASTEWATER COLLECTION SYSTEM MASTER PLAN

Appendix A Master Plan Summary Tables (Planning)

Table A-1 Master Plan Data Summary

Pipeline and Manhole Properties												Sewer-shed Area Properties contributing to Upstream Manhole					
Pipeline ID ⁷	Upstream MH ID	Downstream MH ID	Upstream MH IE (ft)	Downstream MH IE (ft)	Upstream MH Ground EL (ft) ⁶	Downstream MH Ground EL (ft) ⁶	Trunk Sewer	Pipe Size (in)	Slope (ft/ft) ^{1,2}	Length (LF)	Cumulative PWWF (MGD)	Sewer-shed ID	Sewer-shed Area (ac) ³	Planning Area ⁴	% of Total Planning Area	PWWF from Sewer-shed (MGD) ⁵	ADWF from Sewer-shed (MGD) ⁵
1	SE627SS01	SE627SS04	241.1	228.9	265.6	248.4	Village 1 Trunk - C	18	0.004	1,300	1.9						
2	SE665SS03	SE630SS01	265.4	231.4	292.8	252.3	Village 1 Trunk - A1	12	0.003 - 0.0125	2,600	0.9	V1SS14	517	V-1	28%	0.91	0.40
3	SE630SS01	SE561SS001	231.4	181.6	252.3	202.2	Village 1 Trunk - A1	12	0.003 - 0.0125	4,000	1.1	V1SS13	87	V-1	5%	0.15	0.07
4	SE561SS001	SE560SS001	181.6	176.9	202.2	189.6	Village 1 Trunk - A1	12	0.003 - 0.0125	1,400	1.2	V1SS12	66	V-1	4%	0.12	0.05
5	SE560SS001	SE559SS004	176.9	172.4	189.6	186.9	Village 1 Trunk - A2	15	0.0015	1,300	1.3					0.00	
6	SE560SS002	SE560SS001	178.0	176.9	188.5	189.6	Village 1 Trunk - A3	12	0.002-0.01	400	0.2	V1SS10	55	V-1	3%	0.10	0.04
7	SE594SS06	SE560SS002	208.7	178.0	225.7	188.5	Village 1 Trunk - A3	12	0.002-0.01	3,000	0.1	V1SS09	40	V-1	2%	0.07	0.03
8	SE557SS04	SE525SS004	161.3	151.8	182.7	169.1	Village 1 Trunk - B2	15	0.0015	4,000	0.9	V1SS16	295	V-1	16%	0.52	0.23
9	NE556SS01	SE557SS04	167.1	161.3	201.5	182.7	Village 1 Trunk - B1	12	0.002	2,500	0.4	V1SS15	238	V-1	13%	0.42	0.18
	SE593SS001	SE593SS04	205.5	202.0	212.4	212.4	Tributary to Regional Sewer	<12				V1SS08	305	V-1	16%	0.54	0.23
	SE627SS001	SE627SS05	225.6	222.1	237.5	237.5	Tributary to Regional Sewer	<12				V1SS06	153	V-1	8%	0.27	0.12
	SE628SS01	SE627SS01	250.4	228.9	266.1	248.4	Tributary to Regional Sewer	<12				V1SS04	111	V-1	6%	0.20	0.08
10	NE554SS01	NE518SS03	188.4	166.1	203.6	188.3	Village 2 Trunk - A3	12	0.0050	4,300	0.7	V2SS07	411	V-2	25%	0.70	0.31
11	NE518SS03	NE449SS04	166.1	147.9	188.3	172.4	Village 2 Trunk - A2	15	0.0040	4,400	1.5	V2SS06	483	V-2	30%	0.82	0.36
12	NE451SS01	NE449SS04	160.4	147.9	172.1	172.4	Village 2 Trunk - A1	12	0.0045	2,600	0.6	V2SS05	327	V-2	20%	0.56	0.24
13	NE449SS04	NE446SS01	147.9	138.8	172.4	171.0	Village 2 Trunk - A	18	0.0030	2,900	2.8	V2SS04	405	V-2	25%	0.69	0.30
14	NE446SS01	NE378SS02	138.8	119.1	171.0	147.5	East Wise Road Trunk - B	18	0.0030	6,000	2.8						
15	NW383SS01	NE381SS03	134.1	126.0	146.9	147.0	Village 3 Trunk - B1	12	0.0025	2,900	1.1	Other_N2	186	Other	43%	1.07	0.46
16	NE415SS02	NE381SS03	130.3	126.0	158.3	147.0	Village 3 Trunk - B2	15	0.0020	1,900	1.3	Other_N1	217	Other	50%	1.25	0.54
17	NE381SS03	NE378SS02	126.0	119.1	147.0	147.5	Village 3 Trunk - B	18	0.0020	2,900	2.7	V3SS01	271	V-3	13%	0.41	0.18
18	NE378SS02	NE378SS04	119.1	117.4	147.5	143.0	East Wise Road Trunk - A	27	0.0015	1,000	5.5						
19	NE411SS05	NE377SS03	133.2	124.0	154.1	143.6	Village 3 Trunk - A	15	0.0020	4,200	1.2	V3SS04	745	V-3	37%	1.12	0.49
20	NE377SS03	NE378SS04	124.0	117.4	143.6	143.0	Village 3 Trunk - A	15	0.0020	2,600	1.5	V3SS03	235	V-3	12%	0.35	0.15
21	NE378SS04	NE344SS03	117.4	113.6	143.0	135.3	East Wise Road Trunk - A	27	0.0015	2,100	8.1	V3SS02	769	V-3	38%	1.16	0.50
22	NE344SS03	NW276SS02	113.6	101.4	135.3	121.3	West Wise Road Trunk	30	0.0015	7,100	8.1						
23	NW276SS02	NW281SS001	101.4	94.1	121.3	127.3	Airport Trunk	24	0.0054	7,200	9.4	SASS05	374	SUD-A	21%	1.25	0.54
24	NW281SS001	NW285SS09	94.1	88.8	127.3	120.8	New Aviation Trunk	42	0.0008	5,400	9.4	NRPS - FM1	569	NRPS Sewer-shed	51%	1.10	0.48
25	NRPS2	NW285SS09	95.9	88.8	105.2	120.8	NRPS Diversion	21	0.0025	2,100	4.0	NRPS - FM1	542	NRPS Sewer-shed	49%	2.60	1.13
26	NW207SS05	NW207SS01	99.8	95.4	106.8	104.3	SUD-A Trunk - A3	12	0.0020	1,900	0.6	SASS06	161	SUD-A	9%	0.54	0.23
27	NW207SS01	NW176SS01	95.4	87.3	104.3	108.6	SUD-A Trunk - A2	15	0.0015	4,600	1.1	SASS07	152	SUD-A	8%	0.51	0.22
28	NW174SS02	NW176SS01	95.0	87.3	101.4	108.6	SUD-A Trunk - A1	12	0.0020	3,300	0.8	SASS08	242	SUD-A	13%	0.81	0.35
29	NW176SS01	NW146SS05	87.3	77.3	108.6	105.1	SUD-A Trunk - A	18	0.0015	5,700	2.3	SASS04	138	SUD-A	8%	0.46	0.20
30	NW212SS01	NW214SS04	90.0	85.3	110.9	110.5	SUD-A Trunk - B1	12	0.0023	2,000	0.6	SASS03	162	SUD-A	9%	0.54	0.24
31	NW215SS01	NW214SS04	92.0	85.3	107.6	110.5	SUD-A Trunk - B1	12	0.0023	2,400	0.5	SASS01	155	SUD-A	9%	0.52	0.23
32	NW214SS04	NW146SS05	85.3	77.3	110.5	105.1	SUD-A Trunk - B	15	0.0020	3,400	1.6	SASS02	160	SUD-A	9%	0.54	0.23
33	NW146SS05	NW113SS04	77.3	69.8	105.1	98.1	Village 4/SUD-A Trunk	24	0.0012	4,700	5.0	V4SS03 & SASS09	446	V-4 and SUD-A	22%	1.11	0.48
34	NW115SS01	NW113SS04	79.6	69.8	99.5	98.1	Village 4 Trunk - A	12	0.0020	3,600	1.0	V4SS05 & V5SP-CD	638	V-4 and V-5/SUD-B	24%	0.92	0.40
35	NW109SS01	NW041SS01	88.7	79.9	99.0	90.8	Village 4 Trunk - B2	12	0.0020	4,900	0.8	V4SS01	634	V-4	25%	0.78	0.34
36	NW041SS01	NW113SS04	79.9	69.8	90.8	98.1	Village 4 Trunk - B1	18	0.0012	6,200	2.0	V4SS02	961	V-4	37%	1.18	0.51
37	NW113SS04	NW045SS03	69.8	65.9	98.1	88.6	SOI - North PS Influent Sewer	36	0.0008	4,600	7.9						
38	NW045SS03	V4PS	65.9	60.0	88.6	83.3	SOI - North PS Influent Sewer	36	0.0008	400	8.3	V4PS	318	V-4	12%	0.39	0.17
39	NW149SS04	NW149SS01	95.2	94.9	105.7	106.6	Nicolaus Road Trunk - A2	36	0.0005	600	8.5						
40	NW150SS01	NW149SS01	98.7	94.9	105.5	106.6	Village 5/SUD-B Trunk - D	18	0.0012	1,600	0.4	V5SP-33	76	V-5/SUD-B	3%	0.36	0.16
41	NW149SS01	NW183SS01	94.9	93.7	106.6	106.6	Nicolaus Road Trunk - A2	36	0.0005	2,600	9.5	V5SP-31	62	V-5/SUD-B	2%	0.65	0.28
42	NW183SS01	NW217SS01	93.7	91.9	106.6	111.5	Nicolaus Road Trunk - A2	36	0.0005	2,600	9.7	V5SP-30b	47	V-5/SUD-B	2%	0.19	0.08
43	NW217SS01	NW285SS09	91.9	88.8	111.5	120.8	Nicolaus Road Trunk - A1	42	0.0004	5,400	10.8	V5SP-30	224	V-5/SUD-B	8%	1.15	0.50
44	NW285SS09	NW287SS01	88.8	87.4	120.8	124.1	Nelson Lane Trunk	54	0.0005	2,700	20.2						
45	NW287SS01	SW259SS01	87.4	82.4	124.1	114.0	Nelson Lane Trunk	54	0.0005	8,800	21.0	V5SP-28	108	V-5/SUD-B	4%	0.71	0.31
46	NW155SS06	NW157SS01	90.7	86.8	103.1	95.7	Village 5/SUD-B Trunk - B1	21	0.0009	2,000	1.3						

1. Bold entries identify pipelines with minimum slopes, requiring the use of low roughness materials (Manning's n < 0.01) and flushing facilities. See Chapter 6.0 of this Master Plan.

2. Manholes are assumed at pipeline bends and at ~ 500-foot intervals. Manholes include a drop of 0.1 feet along pipelines < 36-inches in diameter; manhole drops along larger pipelines are assumed at bends > 15".

3. The area of sewer-sheds within V-5/SUD-B corresponds to net contributing area, excluding open space areas, ROW, etc. The area of remaining sewer-sheds corresponds to the gross area, only existing roadway corridors are excluded. (V-5/SUD-B: gross area = 4,940 acres, net area = 2,765 acres)

4. Data presented in the V-5/SUD-B Specific Plan was used for sewer-sheds within V-5/SUD-B, as shown on Figure A-6.

5. The ADWF estimate for each planning area was divided between manholes based on the "% of Total Planning Area". Flows from within V-5/SUD-B equate to those presented in the Specific Plan. PWWF = ADWF x PF, PF = 2.3 for future developments.

6. Manhole ground elevations were approximated using LIDAR elevation data obtained from the State Water Resources Control Board.

7. Entries without IDs correspond to pipelines < 12-inches in diameter that convey flow from planning areas. Pipelines < 12-inches in diameter are excluded from CIPs recommended in this Master Plan.



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Pipeline and Manhole Properties												Sewer-shed Area Properties contributing to Upstream Manhole						
Pipeline ID ⁷	Upstream MH ID	Downstream MH ID	Upstream MH IE (ft)	Downstream MH IE (ft)	Upstream MH Ground EL (ft) ⁶	Downstream MH Ground EL (ft) ⁶	Trunk Sewer	Pipe Size (in)	Slope (ft/ft) ^{1,2}	Length (LF)	Cumulative PWWF (MGD)	Sewer-shed ID	Sewer-shed Area (ac) ³	Planning Area ⁴	% of Total Planning Area	PWWF from Sewer-shed (MGD) ⁵	ADWF from Sewer-shed (MGD) ⁵	
	NW155SS08	NW155SS06					Tributary to NW155SS06	<12				V5SP-18a	40	V-5/SUD-B	1%	0.26	0.11	
	NW189SS04	NW155SS06					Tributary to NW155SS06	<12				V5SP-20	61	V-5/SUD-B	2%	0.32	0.14	
47	NW154SS01	NW155SS06	93.9	90.7	104.6	103.1	Village 5/SUD-B Trunk - B2	18	0.0012	2,100	0.8					0.00		
	NW153SS01	NW154SS01					Tributary to NW154SS01	<12				V5SP-21b	72	V-5/SUD-B	3%	0.25	0.11	
	NW154SS05	NW154SS01					Tributary to NW154SS01	<12				V5SP-21a	44	V-5/SUD-B	2%	0.07	0.03	
	NW188SS06	NW154SS01					Tributary to NW154SS01	<12				V5SP-23	30	V-5/SUD-B	1%	0.41	0.18	
48	NW188SS01	NW189SS03	94.8	89.2	109.2	105.8	Village 5/SUD-B Trunk - C1	12	0.0020	2,100	0.3							
	NW187SS01	NW188SS01					Tributary to NW188SS01	<12				V5SP-9	16	V-5/SUD-B	1%	0.03	0.01	
	NW188SS05	NW188SS01					Tributary to NW188SS01	<12				V5SP-7a	32	V-5/SUD-B	1%	0.13	0.06	
	NW222SS01	NW188SS01					Tributary to NW188SS01	<12				V5SP-8	46	V-5/SUD-B	2%	0.17	0.07	
49	NW189SS03	NW191SS01	89.2	85.9	105.8	102.5	Village 5/SUD-B Trunk - C	24	0.0008	2,000	3.1							
	NW189SS07	NW189SS03					Tributary to NW189SS03	<12				V5SP-5a	54	V-5/SUD-B	2%	0.12	0.05	
50	NW289SS06	NW255SS04	102.6	100.4	117.9	117.3	Village 5/SUD-B Trunk - C5	15	0.0020	1,000	0.6							
	NW289SS05	NW289SS06					Tributary to NW289SS06	<12				V5SP-27	189	V-5/SUD-B	7%	0.63	0.28	
51	NW255SS01	NW255SS04	104.1	100.4	113.2	117.3	Village 5/SUD-B Trunk - C5	15	0.0020	1,600	0.5		V5SP-16	69	V-5/SUD-B	2%	0.53	0.23
52	NW255SS04	NW256SS01	100.4	98.1	117.3	114.4	Village 5/SUD-B Trunk - C4	15	0.0015	1,400	1.2							
53	NW256SS01	NW256SS02	98.1	97.1	114.4	114.3	Village 5/SUD-B Trunk - C4	15	0.0015	500	1.5		V5SP-12a	80	V-5/SUD-B	3%	0.32	0.14
54	NW256SS02	NW256SS03	97.1	96.4	114.3	113.8	Village 5/SUD-B Trunk - C3	18	0.0012	500	1.5							
55	NW256SS03	NW257SS02	96.4	95.0	113.8	112.6	Village 5/SUD-B Trunk - C3	18	0.0012	950	1.9		V5SP-12	26	V-5/SUD-B	1%	0.38	0.17
56	NW257SS02	NW257SS04	95.0	93.7	112.6	110.7	Village 5/SUD-B Trunk - C3	18	0.0012	950	2.1		V5SP-14a	67	V-5/SUD-B	2%	0.23	0.10
57	NW257SS04	NW223SS01	93.7	92.8	110.7	111.3	Village 5/SUD-B Trunk - C3	18	0.0012	500	2.6		V5SP-6	195	V-5/SUD-B	7%	0.53	0.23
58	NW223SS01	NW189SS03	92.8	89.2	111.3	105.8	Village 5/SUD-B Trunk - C2	21	0.0009	2,900	2.6							
59	NW152SS01	NW152SS04	84.9	81.9	106.2	103.2	Village 5/SUD-B Trunk - A	15	0.0020	1,400	0.3		V5SP-24	2	V-5/SUD-B	0%	0.01	0.00
60	NW152SS04	NW154SS06	81.9	77.6	103.2	101.4	Village 5/SUD-B Trunk - A	15	0.0020	1,900	0.4		V5SP-25	52	V-5/SUD-B	2%	0.08	0.04
61	NW154SS06	NW155SS01	77.6	72.9	101.4	100.8	Village 5/SUD-B Trunk - A	15	0.0020	2,100	0.5		V5SP-22	100	V-5/SUD-B	4%	0.15	0.06
62	NW155SS01	NW157SS04	72.9	67.8	100.8	92.9	Village 5/SUD-B Trunk - A	15	0.0020	2,000	0.6		V5SP-19	105	V-5/SUD-B	4%	0.13	0.06
	NW220SS01	NW186SS03					Tributary to NW152SS01	<12				V5SP-10	65	V-5/SUD-B	2%	0.02	0.01	
	NW186SS03	NW152SS01					Tributary to NW152SS01	<12				V5SP-26	81	V-5/SUD-B	3%	0.24	0.10	
63	NW157SS04	NW157SS06	67.8	66.5	92.9	96.4	SOI - South PS Influent Sewer	24	0.0010	1,100	0.6							
64	SW265SS01	SW265SS06	96.6	91.0	114.4	112.0	SUD-C Trunk - A4	15	0.0020	2,500	1.1		SCSS01	310	SUD-C	29%	1.06	0.46
65	SW265SS06	SW197SS01	91.0	84.7	112.0	101.2	SUD-C Trunk - A3	18	0.0020	2,800	2.1		SCSS02	287	SUD-C	27%	0.98	0.43
66	SW197SS01	SW163SS01	84.7	80.0	101.2	105.1	SUD-C Trunk - A2	21	0.0015	2,700	3.5		SCSS03	422	SUD-C	39%	1.45	0.63
67	SW163SS01	SW161SS01	80.0	76.5	105.1	101.0	SUD-C Trunk - A2	21	0.0015	2,000	3.9		V6SS03	316	V-6	13%	0.37	0.16
68	NW159SS08	NW157SS06	69.6	66.5	88.0	96.4	SUD-C Trunk - A1	24	0.0010	2,500	4.6		V6SS02	159	V-6	6%	0.19	0.08
69	NW159SS03	NW159SS08	72.5	69.6	91.0	88.0	SUD-C Trunk - A1	24	0.0010	2,400	4.4		V6SS01	432	V-6	17%	0.51	0.22
70	SW161SS01	NW159SS03	76.5	72.5	101.0	91.0	SUD-C Trunk - A1	24	0.0010	3,400	3.9							
71	NW157SS06	V6PS	66.5	55.0	96.4	83.8	SOI - South PS Influent Sewer	24	0.0010	7,200	5.2							
72	SW163SS02	SW061SS01	79.8	67.4	100.6	77.3	Village 6 Trunk - A3	12	0.0020	7,200	0.7		V6SS06	563	V-6	22%	0.66	0.29
73	SW061SS01	SW059SS01	67.4	63.8	77.3	81.7	Village 6 Trunk - A2	15	0.0015	2,600	1.1		V6SS05	399	V-6	16%	0.47	0.20
74	SW059SS01	V6PS	63.8	55.0	81.7	83.8	Village 6 Trunk - A1	18	0.0012	5,400	1.9		V6SS04	645	V-6	26%	0.76	0.33
75	NW157SS01	NW191SS01	86.8	85.9	95.7	102.5	Moore Road Trunk	42	0.0004	2,600	8.5	V5SP-17	117	V-5/SUD-B	4%	0.14	0.06	
76	NW191SS01	SW259SS01	85.9	82.4	102.5	114.0	Moore Road Trunk	42	0.0004	5,400	11.7	V5SP-4	48	V-5/SUD-B	2%	0.06	0.02	
77	SW259SS01	SW259SS03	82.4	82.1	114.0	108.6	Moore Road Influent Trunk	60	0.0003	650	32.8	V5SP-3	274	V-5/SUD-B	10%	0.18	0.08	
78	SW259SS03	SW294SS02	82.1	80.9	108.6	114.7	Moore Road Influent Trunk	60	0.0003	2750	33.0	V5SP-2	217	V-5/SUD-B	8%	0.06	0.03	
	SW327SS001	SW327SS02					Tributary to Regional Sewer	<12				V7SS02	40	V-7	6%	0.12	0.05	
79	SW360SS011	SW361SS001	115.5	95.2	138.0	130.9	Village 7 Trunk - A	12	0.010 - 0.015	1400	0.3		V7SS03	119	V-7	17%	0.34	0.15
80	SW329SS01	SW328SS05	96.3	87.1	113.7	120.3	Village 7 Trunk - B	15	0.0018	2500	1.4		V7SS01 & SCSS05	459	V-7 and SUD-C	64%	1.36	0.59
	SW358SS001	SW358SS003					Tributary to Moore Rd Trunk					V7SS04	125	V-7	18%	0.36	0.16	
	NW356SS001	NW390SS04					Tributary to Moore Rd Trunk					Other_S	32	Other	7%	0.07	0.03	

1. Bold entries identify pipelines with minimum slopes, requiring the use of low roughness materials (Manning's n < 0.01) and flushing facilities. See Chapter 6.0 of this Master Plan.

2. Manholes are assumed at pipeline bends and at ~ 500-foot intervals. Manholes include a drop of 0.1 feet along pipelines < 36-inches in diameter; manhole drops along larger pipelines are assumed at bends > 15".

3. The area of sewer-sheds within V-5/SUD-B corresponds to net contributing area, excluding open space areas, ROW, etc. The area of remaining sewer-sheds corresponds to the gross area, only existing roadway corridors are excluded. (V-5/SUD-B: gross area = 4,940 acres, net area = 2,765 acres)

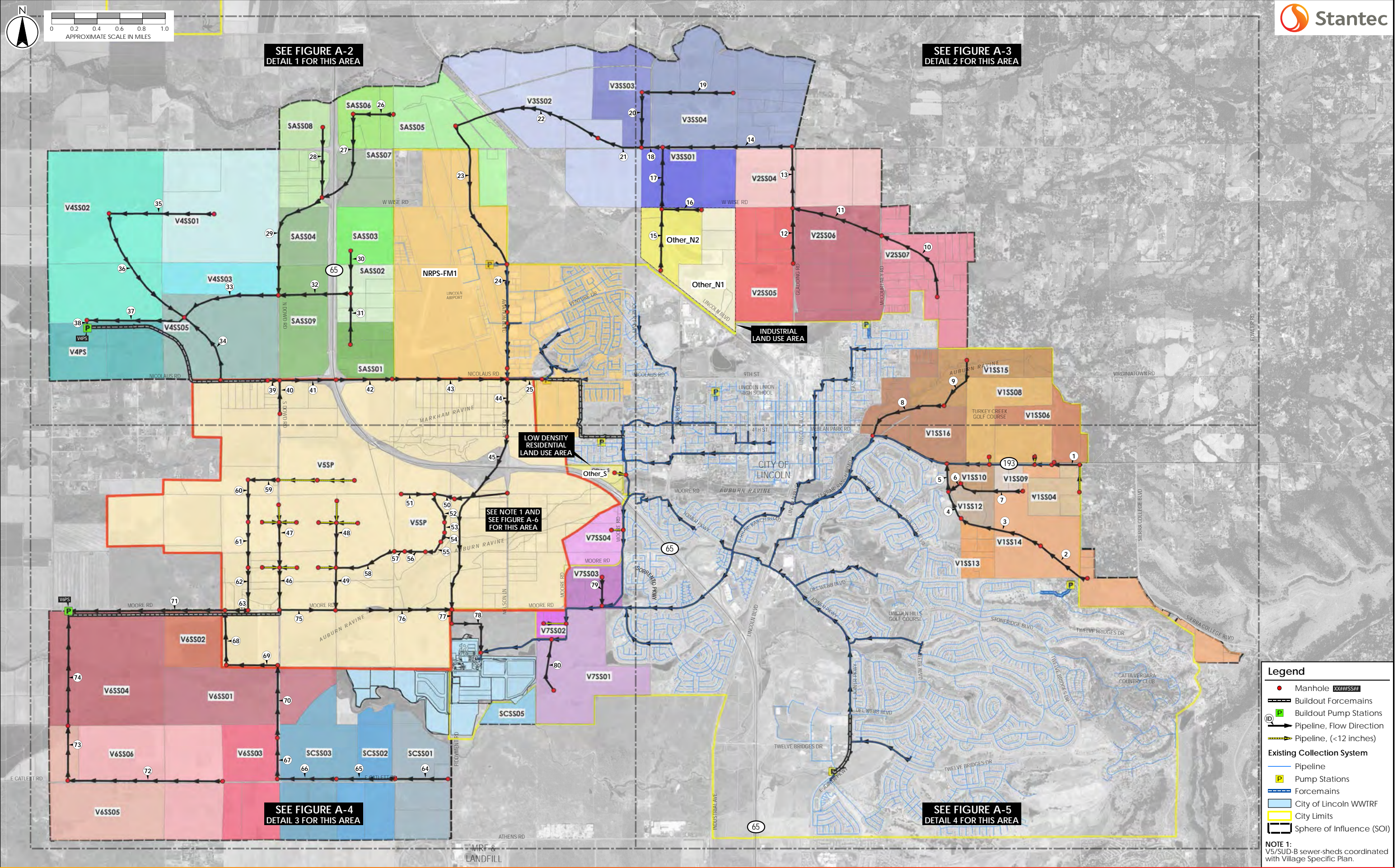
4. Data presented in the V-5/SUD-B Specific Plan was used for sewer-sheds within V-5/SUD-B, as shown on Figure A-6.

5. The ADWF estimate for each planning area was divided between manholes based on the "% of Total Planning Area". Flows from within V-5/SUD-B equate to those presented in the Specific Plan. PWWF = ADWF x PF, PF = 2.3 for future developments.

6. Manhole ground elevations were approximated using LIDAR elevation data obtained from the State Water Resources Control Board.

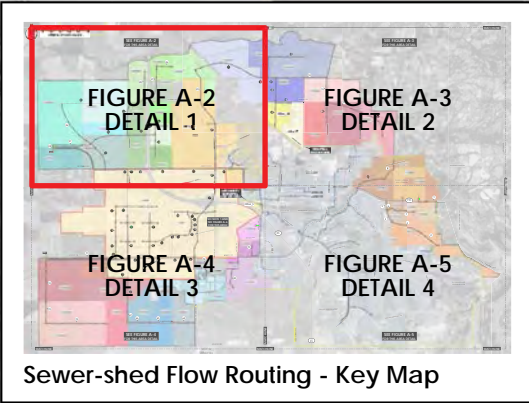
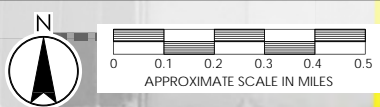
7. Entries without IDs correspond to pipelines < 12-inches in diameter that convey flow from planning areas. Pipelines < 12-inches in diameter are excluded from CIPs recommended in this Master Plan.



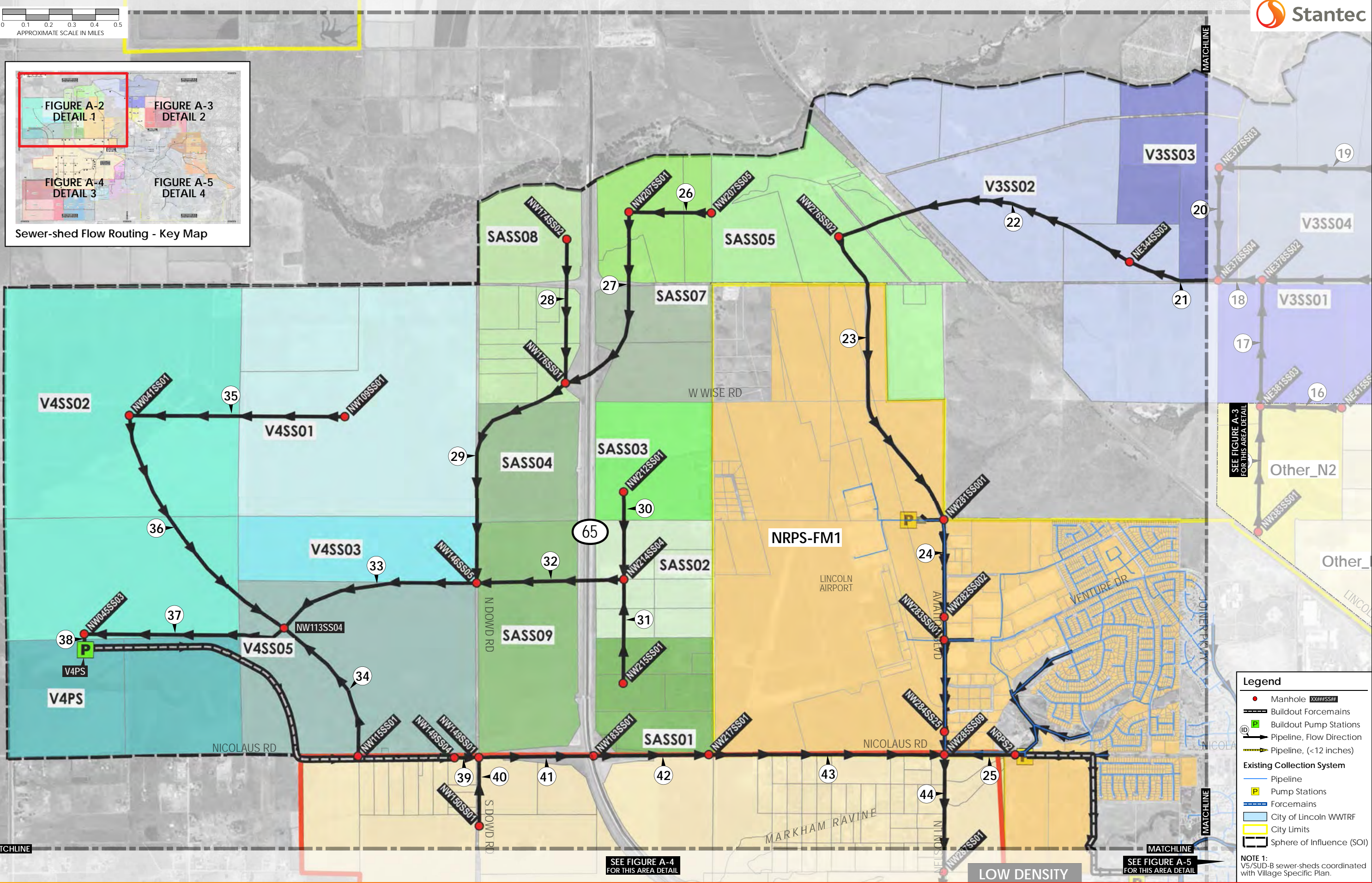


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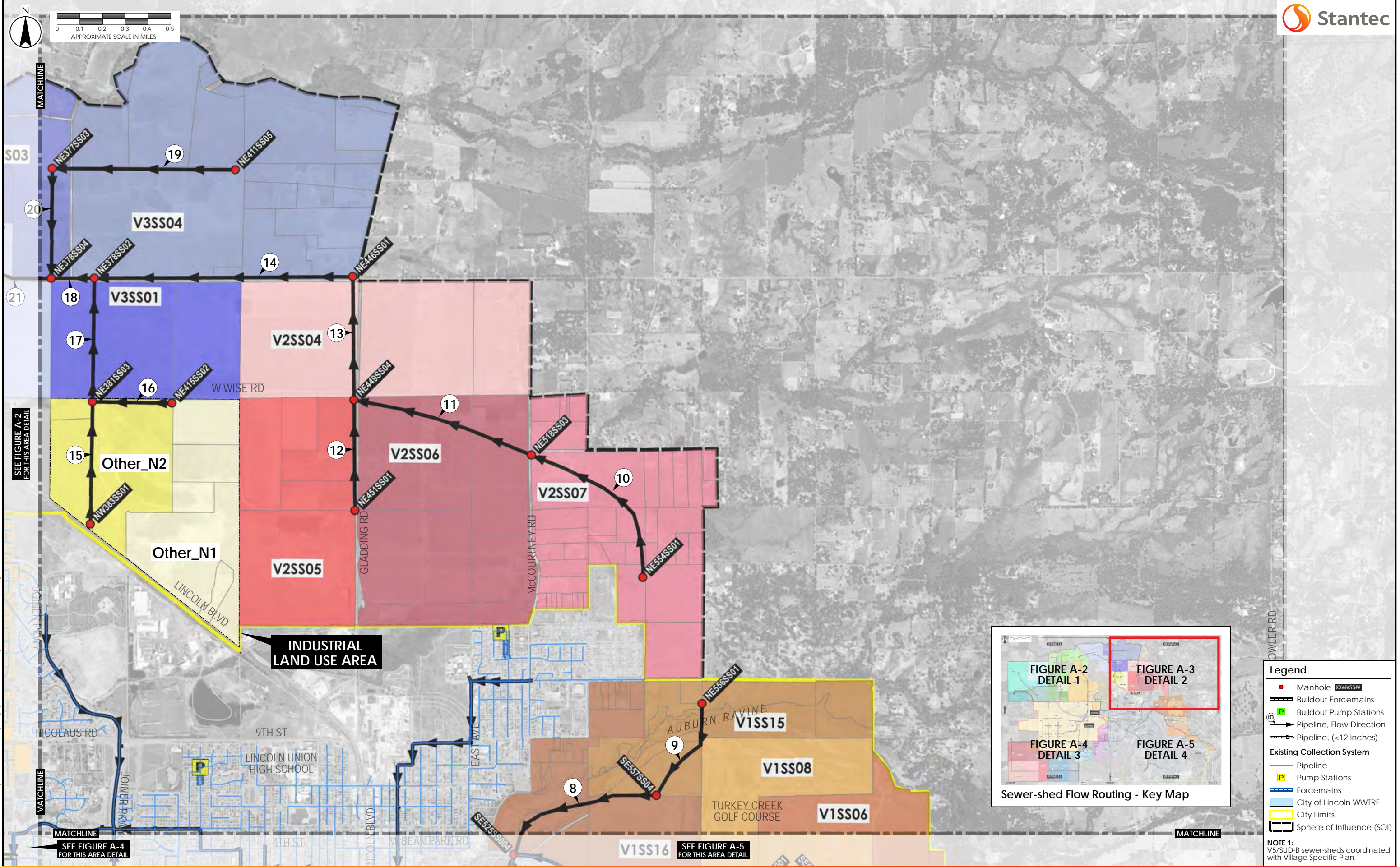
Legend

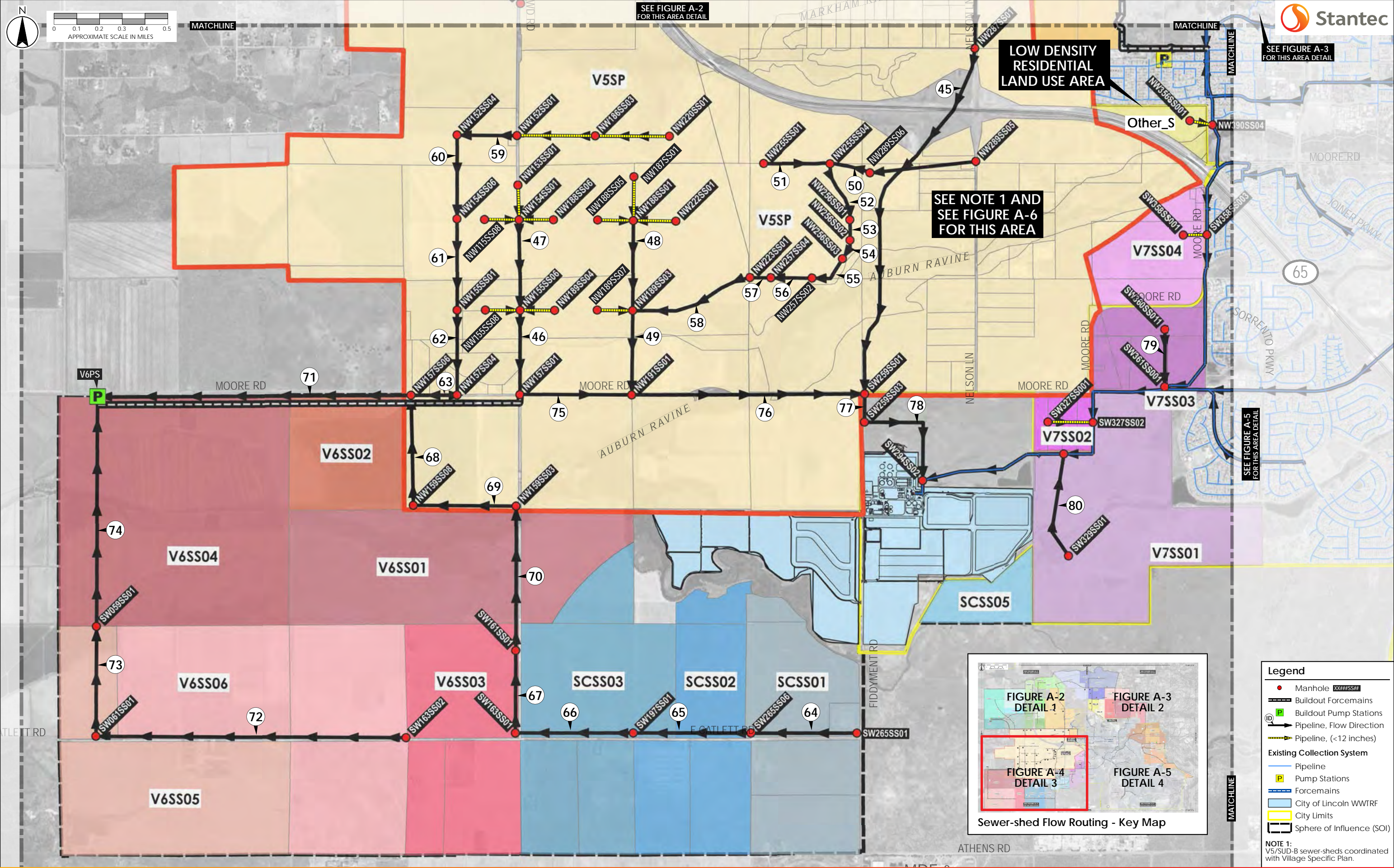
- Manhole **Vx#SS#**
- Buildout Forcemains
- Buildout Pump Stations
- ① Pipeline, Flow Direction
- Pipeline, (<12 inches)

Existing Collection System

- Pipeline
- Pump Stations
- Forcemains
- City of Lincoln WWTRF
- City Limits
- Sphere of Influence (SOI)

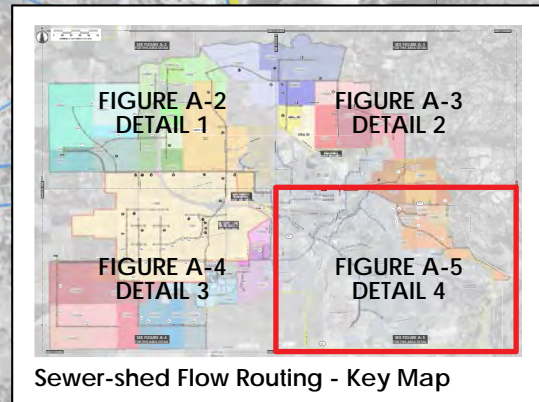
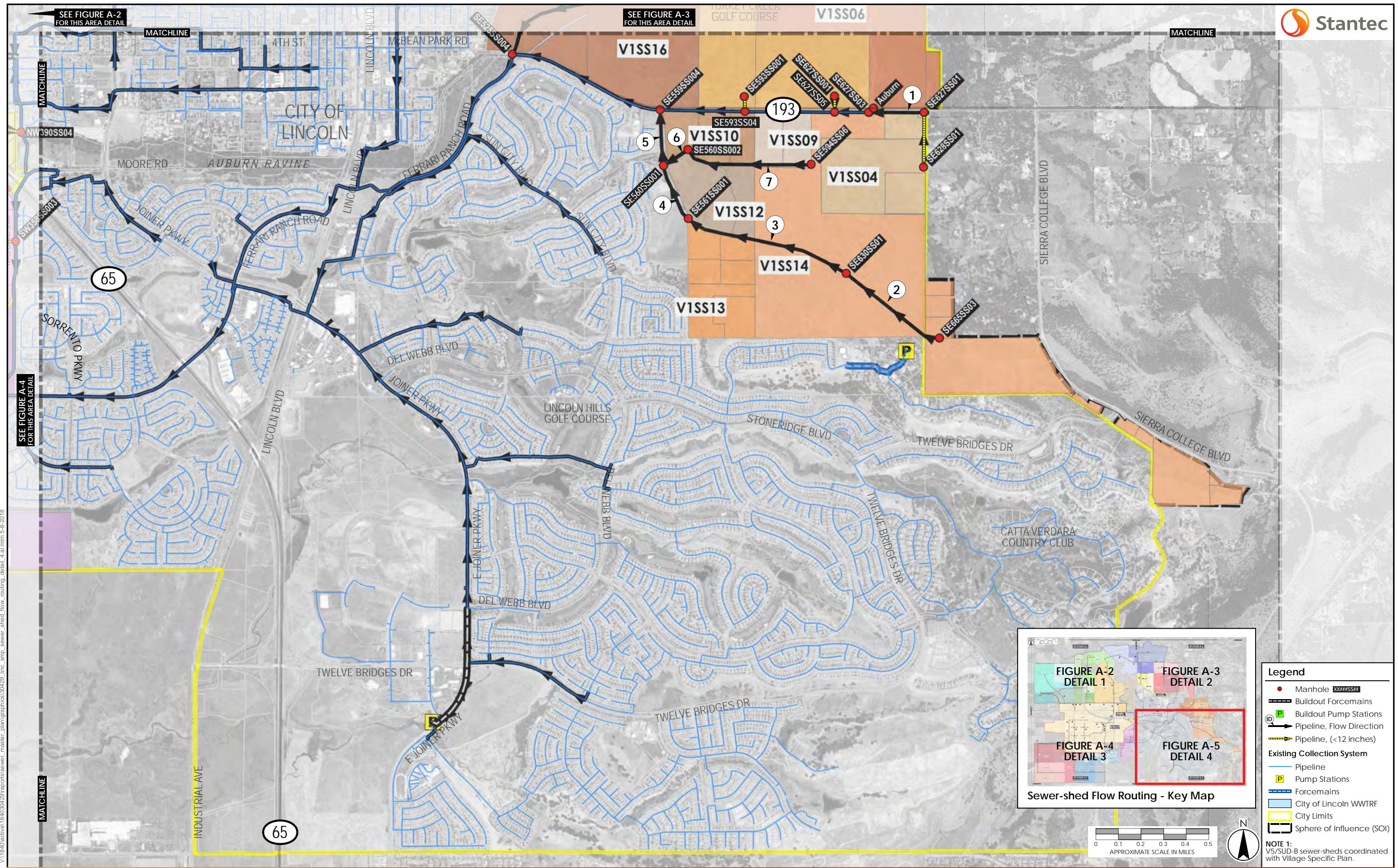
NOTE 1:
V5/SUD-B sewer-sheds coordinated with Village Specific Plan.



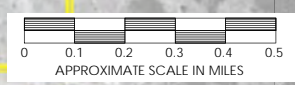


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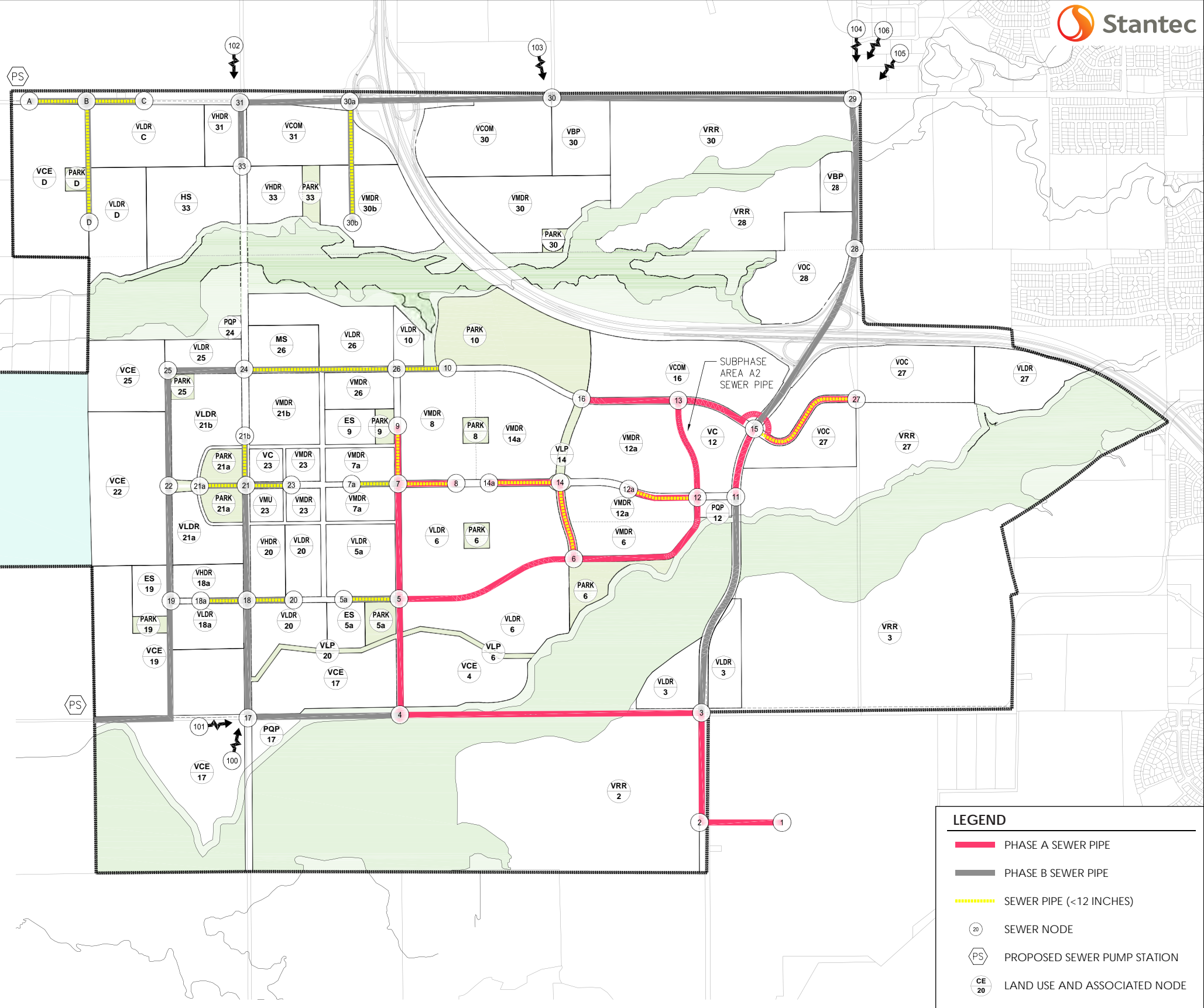
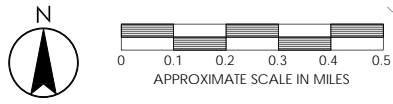




- Legend**
- Manhole (V#SS#)
 - Buildout Forcemains
 - ⊠ Buildout Pump Stations
 - Pipeline, Flow Direction
 - Pipeline, (<12 inches)
- Existing Collection System**
- Pipeline
 - ⊠ Pump Stations
 - Forcemains
 - City of Lincoln WWTRF
 - City Limits
 - Sphere of Influence (SOI)
- NOTE 1:**
V5/SUD-B sewer-sheds coordinated with Village Specific Plan.



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Village Specific Plan		Collection System Master Plan			
Upstream Node/Sewer-shed	Downstream Node	Pipeline ID	Upstream MH ID	Downstream MH ID	Sewer-shed ID
C, D	B	34	NW115SS01	NW113SS04	V4SS05 & V5SP-CD
33	31	40	NW150SS01	NW149SS01	V5SP-33
31	30a	41	NW149SS01	NW183SS01	V5SP-31
30b	30a	42	NW183SS01	NW217SS01	V5SP-30b
30	29	43	NW217SS01	NW285SS09	V5SP-30
28	15	45	NW287SS01	SW259SS01	V5SP-28
18a	18		NW155SS08	NW155SS06	V5SP-18a
20	18		NW189SS04	NW155SS06	V5SP-20
21b	21		NW153SS01	NW154SS01	V5SP-21b
21a	21		NW154SS05	NW154SS01	V5SP-21a
23	21		NW188SS06	NW154SS01	V5SP-23
9	7		NW187SS01	NW188SS01	V5SP-9
7a	7		NW188SS05	NW188SS01	V5SP-7a
8	7		NW222SS01	NW188SS01	V5SP-8
5a	5		NW189SS07	NW189SS03	V5SP-5a
27	13		NW289SS05	NW289SS06	V5SP-27
16	13	51	NW255SS01	NW255SS04	V5SP-16
12a	12	53	NW256SS01	NW256SS02	V5SP-12a
12	6	55	NW256SS03	NW257SS02	V5SP-12
14a	14	56	NW257SS02	NW257SS04	V5SP-14a
6	5	57	NW257SS04	NW223SS01	V5SP-6
24	25	59	NW152SS01	NW152SS04	V5SP-24
25	22	60	NW152SS04	NW154SS06	V5SP-25
22	19	61	NW154SS06	NW155SS01	V5SP-22
19	PS	62	NW155SS01	NW157SS04	V5SP-19
10	26		NW220SS01	NW186SS03	V5SP-10
26	24		NW186SS03	NW152SS01	V5SP-26
17	4	75	NW157SS01	NW191SS01	V5SP-17
4	3	76	NW191SS01	SW259SS01	V5SP-4
3	2	77	SW259SS01	SW259SS03	V5SP-3
2	1	78	SW259SS03	SW294SS02	V5SP-2

1. Table shows correlation between Village Specific Plan and Master Plan data.
 2. Further information is provided within Appendix A.

LEGEND

- PHASE A SEWER PIPE
- PHASE B SEWER PIPE
- - - SEWER PIPE (<12 INCHES)
- ⊙ SEWER NODE
- ⊙(PS) PROPOSED SEWER PUMP STATION
- ⊙(CE 20) LAND USE AND ASSOCIATED NODE
- ⊙(104) OFFSITE SEWER NODE & ESTIMATED PEAK WET WEATHER FLOW

NOTE

FIGURE ADAPTED FROM:
 Figure 2 - Sewer System Exhibit for Lincoln Village 5 & Sud B, Cunningham Engineering Dated November 2016

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