

SECTION 3.0

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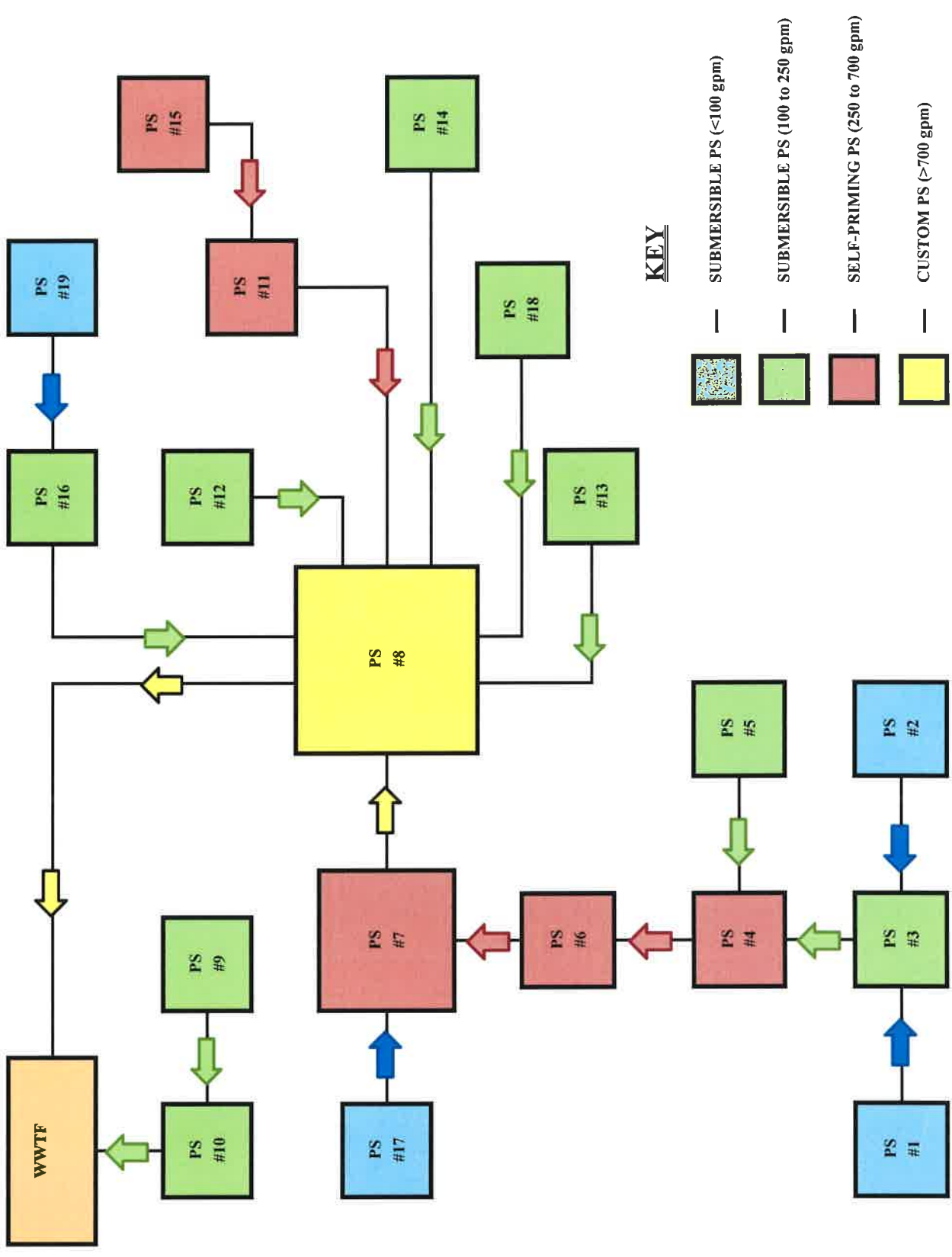
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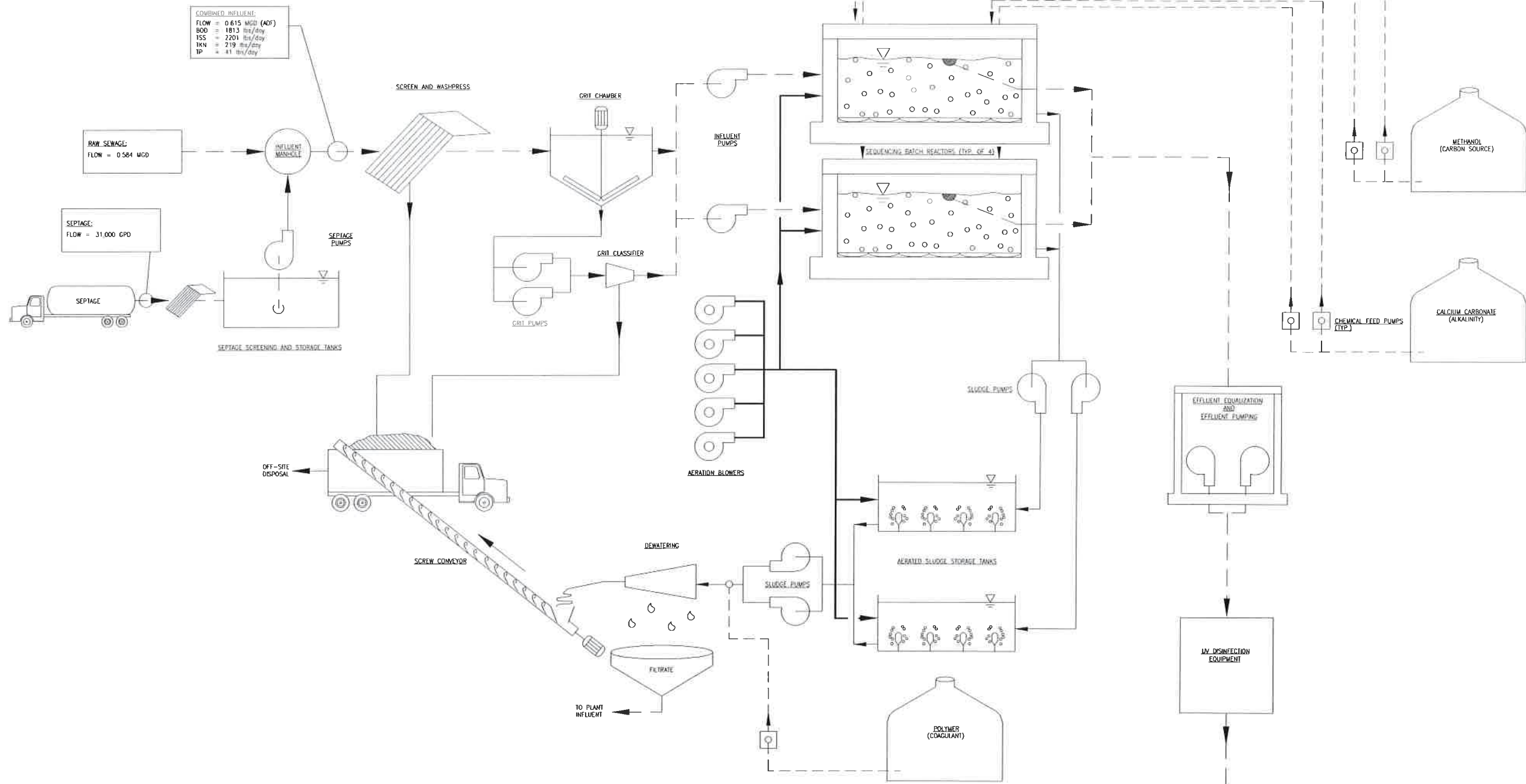
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FIGURE 3-2
 TOWN OF ORLEANS, MASSACHUSETTS
 COMPREHENSIVE WASTEWATER MANAGEMENT PLAN ALTERNATIVES

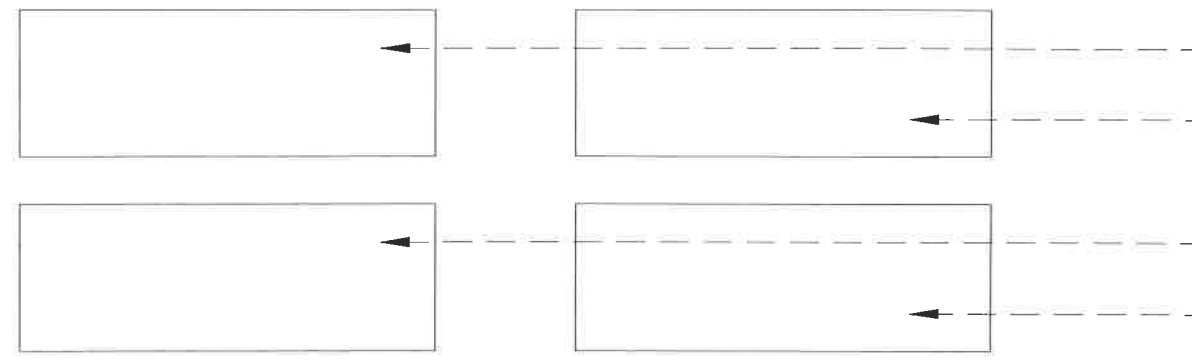
PUMP STATION FLOW SCHEMATIC





COMBINED INFLUENT:
 FLOW = 0.615 MGD (ADF)
 BOD = 1813 lbs/day
 TSS = 2201 lbs/day
 TN = 219 lbs/day
 TP = 41 lbs/day

- LEGEND:**
- LIQUID STREAM
 - SOLIDS STREAM
 - AIR
 - CHEMICAL STREAM
 - PUMP
 - BLOWER
 - CHEMICAL PUMP



RAPID INFILTRATION BASINS (TYP. OF 10)

FIGURE 3-3 ORLEANS, MA COMPREHENSIVE WASTEWATER MANAGEMENT PLAN ALTERNATIVES		
FLOW DIAGRAM FOR CENTRALIZED WWTF OPTION		
DRAWN BY: MSL	CHECKED BY: MAS	DATE: 04/05/12

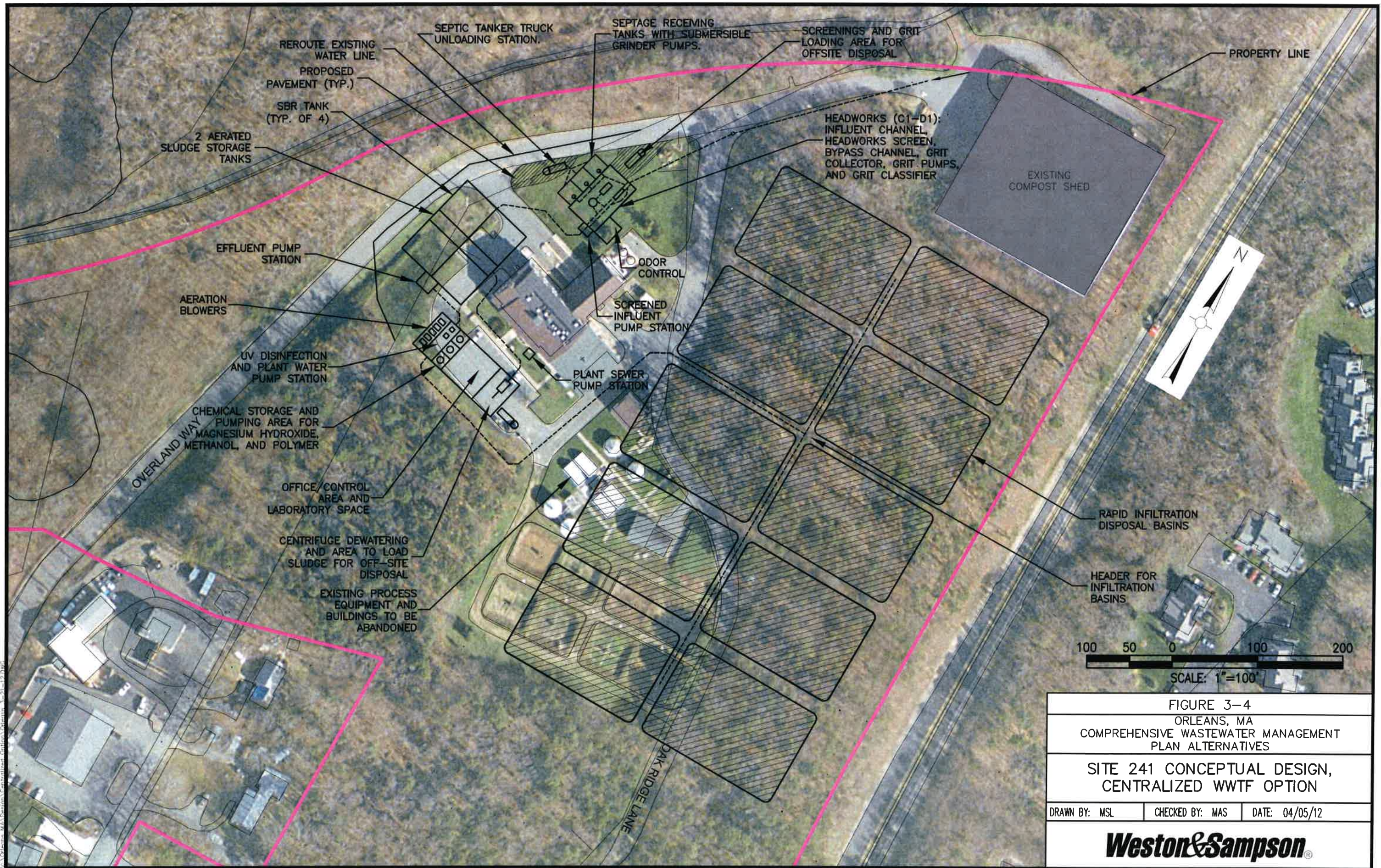


FIGURE 3-4
 ORLEANS, MA
 COMPREHENSIVE WASTEWATER MANAGEMENT
 PLAN ALTERNATIVES

SITE 241 CONCEPTUAL DESIGN,
 CENTRALIZED WWTF OPTION

DRAWN BY: MSL CHECKED BY: MAS DATE: 04/05/12

Weston & Sampson

10/12/11 M.A. DeSantis, Civil Engineer, No. 21-172705

TABLE 3-2
COLLECTION SYSTEM SUMMARY

PROPOSED PUMP STATION	TRIBUTARY STREETS	LENGTH		# OF HOUSES	# OF VACANT LOTS	# OF MANHOLES		# OF G.P. UNITS	TRIBUTARY TO
		GRAVITY (lf)	LPSS (lf)			GRAVITY	ICM/TFM		
Pump Station #1	Winslow Drive	3,040		19					Pump Station #3
	Winslow Way	420		17		3			
	South Orleans Road (South Extent of Project Area to Cross Road)	1,140		8	2	5			
	Towhee Lane	480	2,400	28	3	2	5	27	
	Whipporwill Lane	330	775	5	1	1	2	1	
	Cross Road	1,000		9	1	4			
	Baywood Drive	800		11		5			
	Northwood Drive		330	3	1	1		3	
	SUB-TOTAL:	7,210	3,505	100	8	21	7	31	
Pump Station #2	Lake Drive	2,140	2,540	19	1	15	6	8	Pump Station #3
	Shoal Lane	810		4	1	4			
	Boulder Lane	1,245	720	12		5	2	5	
	Twinings Lane	1,835		7	5	12			
	Deep Pond Circle		540	3			1	3	
		SUB-TOTAL:	6,030	3,800	45	7	36	9	
Pump Station #3	South Orleans Road (Cross Road to #453 South Orleans Road)	3,270		21	3	15			Pump Station #4
	Lake Drive	320		2	2	1			
	Chapin Circle	330		4		2			
	Half Cape Way		350	3			1	3	
	Crescent Ridge Way		790	8	1		2	8	
	Uncle Israel's Road	480	1,900	20		4	5	14	
	Rebecca Way		180	3			1	3	
	Blackberry Lane		250	4			1	4	
	Granny's Lane	340	1,440	15	1	2	4	14	
	Aunt Abigail's Way		330	5	1		1	5	
	Harwich Road (Brewster Town Line to #73 Harwich Road)	740		3		4			
	Woodridge Road	1,000		16		5			
	Cross-Country (Woodridge Road to South Orleans Road)	260		-		3			
	SUB-TOTAL:	6,740	5,240	104	8	36	15	51	
Pump Station #4	South Orleans Road (#454 to #313/#318)	5,025		27	13	21			Pump Station #6
	Harwich Road (#67 to South Orleans Road)	2,660		18		12			
	Shennan Road	650		7	1	5			
	Lowell Drive	1,420		16	2	8			
	Quanset Road (South Orleans Road to #75 Quanset Road)	2,780		19	3	11			
	Huckleberry Drive		370	6	2		1	6	
	Portanimitcut Road	1,890	1,870	26	8	7	4	16	
	Richwood Farm Lane		830	2	11		2	2	
	Deacon Way		220	3	2		1	3	
	Caroline's Way	720		1	2	3			
	Lindsay Way	610				2			
	Eli Rogers Road		1,430	7			4	7	
	John's Way		300	3			1	3	
	John Kenrick Road	1,300		14		10			
	Namequoit Road (South Orleans Road to #26 Namequoit Road)	1,210		3	2	4			
Windjammer Way		615	5	3	4		5		
	SUB-TOTAL:	18,265	5,635	157	49	87	13	42	
Pump Station #5	Namequoit Road (#36 to End)	3,155	2,430	37	10	16	6	17	Pump Station #4
	Lockwood Lane		780	8	3		2	8	
	Duck Marsh Lane		430	4	1		1	4	
	Riverview Way	450		8		2			
	Little Marsh Way	400		5		2			
	Heritage Drive	1,125	710	18	5	7	2	7	
	Sturbridge Drive	260	1,370	18		1	4	15	
	Colonial Drive		260	2			1	2	
	Pilgrim Drive		580	7	2		1	7	
	Highwood Road	290		3	1	1			
	Ridgewood Road	225	985	12	1	1	2	12	
	Windsor Lane	150		2		1			
	SUB-TOTAL:	6,055	7,545	124	23	31	19	72	
Pump Station #6	South Orleans Road (#309/#310 to Old Timer's Lane)	3,315		19	5	15			Pump Station #7
	Arey's Lane		4,505	21	7		9	21	
	Cygnat Way		600	3	1		2	3	
	Rohmers Road		570	3	2		2	3	
	Blue Heron Way		1,060	5			2	5	
	Thayer Lane		1,750	10	1		3	10	
	Monument Road (South Orleans Road to #120)	2,265	845	20	2	10	2	4	
	Pilgrim Lake Terrace	880		11	1	5		1	
	Pilgrim Lake Terrace East		750	5			2	5	
	Country Lane		530	2	1		1	1	
	Pompohs Trail		550	1	6		2	1	
	Old Timer's Lane	630	970	10	3	4	3	6	
	Paradise Lane		230		3		1	3	
	Morgans Way	700		7		3			
	Lisa Way	375		2		2			
	Carmen Lane	140		2		2			
No-name Street (adjacent to Lisa Way)	440		2		2				
	SUB-TOTAL:	8,745	12,360	123	32	43	29	63	

**TABLE 3-2
COLLECTION SYSTEM SUMMARY**

PROPOSED PUMP STATION	TRIBUTARY STREETS	LENGTH		# OF HOUSES	# OF VACANT LOTS	# OF MANHOLES		# OF G.P. UNITS	TRIBUTARY TO
		GRAVITY (lf)	LPSS (lf)			GRAVITY	ICM/TFM		
Pump Station #7	South Orleans Road (Old Timer's Lane to #102)	4,040		30	8	12			Pump Station #8
	Crystal Lake Drive		1,490	17	1		3	17	
	Pond Road (South Orleans Road to #20)	800		9		5		1	
	Lake Farm Lane		1,025	10			2	10	
	Finlay Road	3,510		17	2	14			
	Giddiah Hill Road	320		2		1			
	Commerce Drive	540		6		2			
	Lots Hollow Road		430	4			1	4	
	Daleys Terrace (Hses. #10, #55, #60 and #61)	600		4		3			
	SUB-TOTAL:	9,810	2,945	99	11	37	6	32	
Pump Station #8	Tonset Road (South Orleans Road to #84)	3,365		29	2	14		8	WWTF
	South Orleans Road (#102 to Main Street)	1,680		8	1	7			
	Old Farm Road		590	10			2	10	
	Windward Way	260		3		1			
	Main Street (South Orleans Road to River Road)	3,130		29	1	14			
	Quail Hill Lane		900	12			2	12	
	Arena Drive	240		2		1			
	Owls Hill Road	150		1		1			
	Monument Road (Main Street to Herring Brook Way)	2,940	1,620	41	6	14	4	16	
	Gesner Road		380	4			1	4	
	Woodland Drive		385	3			1	3	
	Megs Lane		800	14			2	14	
	Herring Brook Way		2,800	21	2		5	21	
	Alewife Way		330	3	1		1	3	
	Frost Fish Lane		1,000	8			2	8	
	Spider Web Lane		330	1	1		1	1	
	Keziah's Lane		1,640	7			4	7	
	Etta's Way		375	6	1		1	6	
	Pond Road (Monument Road to #22)	1,540		20	2	5		2	
	Uncle Vick's Way		990	11	1		3	11	
	Misty Lane		350	1			1	1	
	Eldridge Park Way	3,220		21	2	15		2	
	Marston Way	350		3		1			
	Clayton Circle		2,160	19	1		6	19	
	Nickerson Road	1,350		10	2	7			
	Main Street (South Orleans Road to Route 6A)	1,450		20		5			
	Route 6A (#115 to #79)	1,700		30		7			
	South Orleans Road (Main Street to #20)	1,550		11	1	6		1	
	Academy Place	430		15		2		2	
	Cove Road	880	650	18	1	3		7	
	School Road	1,080		6		4			
	Main Street (River Road to Beach Road)	3,550		43	1	18		3	
	Meetinghouse Road	2,070		9	3	8			
	Hopkins Lane (Meetinghouse Road to #45)	610		9	1	3			
	Mayo Way		370	3			1	3	
	Karen Way		1,150	8			2	8	
	Collins Lane	930		10	3	7			
	Deerwood Park		900	9			2	9	
	Loomis Lane		1,850	9			4	9	
	Manito Way		790	8	2		2	8	
	Cheney Road	680	460	10	1	3	1	4	
	Lewis Road		620	6			2	4	
	Great Oak Road (Main Street to Woodland Park Lane)	1,920		27		9			
	Pine Ridge Lane	880		10		3			
	Oak Lane	490	120	7		2	1	4	
	Woodland Park Lane	470		7	1	2			
	River Road		2,100	13	2		5	13	
Linden Lane / Packet Landing		940	15	1		2	15		
Lucy's Lane		500	6			2	6		
Ministers Prim		660	2			2	2		
Rev. Treat Road		250	2			1	2		
Beach Road (Main Street to #51)	1,600		19		6				
High Tide Lane		440	14	3		1	14		
Cole Place		800	6			2	6		
Nauset Farms Way		890	17			2	17		
	SUB-TOTAL:	38,515	28,140	656	43	168	68	285	
Pump Station #9	Route 6A (#192 to #120)	3,025		46		14			Pump Station #10
	Brewster Cross Road		1,180	8			4	8	
	Center Place		930	7			3	7	
		SUB-TOTAL:	3,025	2,110	61	0	14	7	
Pump Station #10	Old Colony Way (Old Tote Road to #130)	1,680		10		6			WWTF
	Old Tote Road	1,070		13		4			
		SUB-TOTAL:	2,750	0	23	0	10	0	

TABLE 3-2
COLLECTION SYSTEM SUMMARY

PROPOSED PUMP STATION	TRIBUTARY STREETS	LENGTH		# OF HOUSES	# OF VACANT LOTS	# OF MANHOLES		# OF G.P. UNITS	TRIBUTARY TO
		GRAVITY (lf)	LPSS (lf)			GRAVITY	ICM/TFM		
Pump Station #11	Jones Road	500		9		4			Pump Station #8
	Canal Road	1,430		8		7			
	Route 6A (Canal Road to #76)	730		4		3			
	Locust Road	2,600		31		13			
	Liberty Lane	550		3		3			
	Cedar Pond Road		270	1	4		1	4	
	Main Street (Route 6A to Route 6 Overpass)	2,910		37		13			
	Old Colony Way (Main Street to #130)	1,000		5		4			
	Namskaket Road	1,340		13		7			
	Childs Homestead Road	1,630		14	1	7			
	Prence Lane		400	2			1	2	
	SUB-TOTAL:	12,690	670	127	5	61	2	6	
Pump Station #12	Route 6A (Eastham Town Line to South Orleans Road)	2,000		32		5			Pump Station #8
	South Orleans Road (Route 6A to #16)	800		10		4			
	Cottage Lane	660		12		4			
	Old Colony Road	600		3		9			
	SUB-TOTAL:	4,060	0	57	0	22	0	0	
Pump Station #13	Barley Neck Road (Pochet Road to Orié Lane)	4,570		48		22			Pump Station #8
	Cedar Way	570	300	8	2	4	1		
	Windy Hill Lane	450		5	1	2		2	
	Baxter Lane		870	11			2	11	
	Bayberry Way		200	1			1	1	
	Pond View Road		360	3	1		2	3	
	Carriage Place	660		3		4			
	Harveys Lane		1,200	11	1		3	11	
	Tides End Lane		2,330	19	1		5	19	
	Hayward Lane		1,220	16	1		3	16	
	Fisher Way	1,000		9		4			
	Sea Mist Drive	990	370	15	1	6	1	6	
	Cedar Cove Road		930	7			2	7	
	Lestage Road		490	2			1	2	
	Walker Road / Black Duck Lane		940	6			3	6	
	Captain Dean Road		620	7			2	7	
	Briar Spring Road (Barley Neck Road to Fox Ridge Drive)	1,180	980	19		5	2	7	
	Gilman Lane		630	3			2	3	
	Fox Ridge Drive		1,660	17	3		3	17	
	Pleasant View Drive / Dale Ann Drive		1,970	27	1		4	27	
Twiss Road	1,030	600	15		4	2	5		
Orie Lane	840		11		3				
	SUB-TOTAL:	11,290	15,670	263	12	54	39	150	
Pump Station #14	Beach Road (#52 to #130)	1,800		20	2	10		2	Pump Station #8
	Greymore Way	1,070		12	1	6			
	Country Crossing	1,000		10	1	4			
	Landers Lane		400	2			1	2	
	Meadow Way	520		8		3			
	Brick Hill Road (Beach Road to #139)	1,600	1,180	23		10	3	10	
	Dylan's Way		280	3			1	3	
	Colony Drive / East Circle Drive	1,270		13	1	6			
	Great Oak Road (Brick Hill Road to #59)	1,360	500	24		7	1	6	
	Blueberry Lane		650	5	1		2	5	
	Rose Path	355		3		2		2	
	Westwood Drive	715	335	15		4	1	8	
	Maple Road	620		8		2			
	Harbor View Lane		1,350	13			3	13	
	Harbor View East		220	6			1	6	
Duck Pond Lane		300	5			1	5		
Little Cove Lane		420	5			1	5		
	SUB-TOTAL:	10,310	5,635	175	6	54	15	67	
Pump Station #15	Rock Harbor Road	3,100	1,660	50		18	4	24	Pump Station #11
	Bridge Road		990	14			2	14	
	Knowles Way		160	2			1	2	
	Cedar Pond Road		270	3			1	3	
	Captain Doanes Way	950		12		5			
	Captains Row	890		10	1	6			
	Smith Bros Way	360		2		3			
	Penny Lane	430		7		2			
	Bonnell Lane	630		4		2			
	SUB-TOTAL:	6,360	3,080	104	1	36	8	43	

TABLE 3-2
COLLECTION SYSTEM SUMMARY

PROPOSED PUMP STATION	TRIBUTARY STREETS	LENGTH		# OF HOUSES	# OF VACANT LOTS	# OF MANHOLES		# OF G.P. UNITS	TRIBUTARY TO
		GRAVITY (lf)	LPSS (lf)			GRAVITY	ICM/TFM		
Pump Station #16	Tonset Road (#90 to #308)	5,040	2,430	30	11	18	5	12	Pump Station #8
	Driftwood Lane		730	12			2	12	
	Seacrest Drive		830	9			2	9	
	Salt Works Circle		200	4			1	4	
	Quinn Road		510	4			1	4	
	Hathorne Lane	620		5		2			
	Lobster Lane	200		2		1			
	Bramblewood Lane		430	2			1	2	
	Brick Hill Road (Tonset Road to Champlain Road)		1,820	21	2		4	21	
	SUB-TOTAL:	5,860	6,950	89	13	21	16	64	
Pump Station #17	Kettle Pond Way	840		7		6			Pump Station #7
	Daleys Terrace	770		17		11			
	Nickerson Road	1,840	990	37	2	11	3	11	
		SUB-TOTAL:	3,450	990	61	2	28	3	
Pump Station #18	Pochet Road	3,700	1,870	41	3	19	4	11	Pump Station #8
	Sparrow Hawk Road / Blossom Lane	630	520	10	1	4	2	1	
	Shore View Drive (to #60) / Briar Spring Road		2,900	29	2		6	29	
	Uncle Harvey's Way	870		11		5			
	Briar Spring Road		1,270	12			3	12	
	Holly Lane/Spinnaker Trail	820		8		5			
	Cedar Land Road	1,420		13	1	6		2	
	Pheasant Drive		320	3	3		1	3	
	Brick Hill Road (Pochet Road to Beach Road)		1,200	9	1		3	9	
	Larboard Lane		330	6			1	6	
	Natural Drive		560	9			2	9	
	Grist Road		810	5			2		
	SUB-TOTAL:	7,440	9,780	156	11	39	24	82	
Pump Station #19	Asa's Landing	225		2		1			Pump Station #16
	Gibson Road	3,010	1,070	55	3	17	3	12	
	Seavers Road	1,010		9		5			
	Finch Lane	250		3		1			
	Hidden Valley Road	650	560	11	1	3	1	10	
	Hilltop Lane	580		6		2			
	SUB-TOTAL:	5,725	1,630	86	4	29	4	22	
GRAND TOTAL:		174,330	115,685	2,610	235	827	284	1,052	

**TABLE 3-4
SUMMARY OF LOW-PRESSURE SEWER PIPE SIZES**

PROPOSED PUMP STATION	TRIBUTARY STREETS	LOW-PRESSURE SEWERS			# OF G.P. UNITS
		1 1/2-inch	2-inch	3-inch	
Pump Station #1	Towhee Lane		2,400		27
	Whipporwill Lane	775			1
	Northwood Drive	330			3
	SUB-TOTAL:	1,105	2,400	0	31
Pump Station #2	Lake Drive		2,540		8
	Boulder Lane		720		5
	Deep Pond Circle		540		3
	SUB-TOTAL:	0	3,800	0	16
Pump Station #3	Half Cape Way	350			3
	Crescent Ridge Way		790		8
	Uncle Israel's Road			1,900	14
	Rebecca Way	180			3
	Blackberry Lane		250		4
	Granny's Lane			1,440	14
	Aunt Abigail's Way		330		5
	SUB-TOTAL:	530	1,370	3,340	51
Pump Station #4	Huckleberry Drive		370		6
	Portanimitcut Road	350		1,520	16
	Richwood Farm Lane		830		2
	Deacon Way		220		3
	Eli Rogers Road	500	930		7
	John's Way		300		3
	Windjammer Way		615		5
	SUB-TOTAL:	850	3,265	1,520	42
Pump Station #5	Namequoit Road (#36 to End)		1,500	930	17
	Lockwood Lane		780		8
	Duck Marsh Lane		430		4
	Heritage Drive		710		7
	Sturbridge Drive		1,000	370	15
	Colonial Drive	260			2
	Pilgrim Drive		580		7
	Ridgewood Road		985		12
SUB-TOTAL:	260	5,985	1,300	72	
Pump Station #6	Arey's Lane		1,705	2,800	21
	Cygnets Way		600		3
	Rohmers Road		570		3
	Blue Heron Way		1,060		5
	Thayer Lane		1,750		10
	Monument Road (South Orleans Road to #120)		845		4
	Pilgrim Lake Terrace East		750		5
	Country Lane	530			1
	Pompohs Trail		550		1
	Old Timer's Lane		970		6
	Paradise Lane	230			3
	SUB-TOTAL:	760	8,800	2,800	62
Pump Station #7	Crystal Lake Drive			1,490	17
	Lake Farm Lane		1,025		10
	Lots Hollow Road		430		4
	SUB-TOTAL:	0	1,455	1,490	31

**TABLE 3-4
SUMMARY OF LOW-PRESSURE SEWER PIPE SIZES**

PROPOSED PUMP STATION	TRIBUTARY STREETS	LOW-PRESSURE SEWERS			# OF G.P. UNITS
		1 1/2-inch	2-inch	3-inch	
Pump Station #8	Old Farm Road		590		10
	Quail Hill Lane		900		12
	Monument Road (Main Street to Herring Brook Way)		1,620		16
	Gesner Road		380		4
	Woodland Drive		385		3
	Megs Lane		800		14
	Herring Brook Way		2,800		21
	Alewife Way		330		3
	Frost Fish Lane			1,000	8
	Spider Web Lane	330			1
	Keziah's Lane		1,640		7
	Etta's Way		375		6
	Uncle Vick's Way		990		11
	Misty Lane	350			1
	Clayton Circle			2,160	19
	Cove Road		650		7
	Mayo Way	370			3
	Karen Way		1,150		8
	Deerwood Park		900		9
	Loomis Lane		1,850		9
	Manito Way		790		8
	Cheney Road		460		4
	Lewis Road		620		4
	Oak Lane		120		4
	River Road	400	350	1,350	13
	Linden Lane / Packet Landing		940		15
	Lucy's Lane		500		6
	Ministers Prim	660			2
	Rev. Treat Road	250			2
	High Tide Lane		440		14
Cole Place		800		6	
Nauset Farms Way			890	17	
	SUB-TOTAL:	2,360	20,380	5,400	267
Pump Station #9	Brewster Cross Road		1,180		8
	Center Place		930		7
		SUB-TOTAL:	0	2,110	0
Pump Station #11	Cedar Pond Road		270		4
	Prence Lane	400			2
		SUB-TOTAL:	400	270	0
Pump Station #13	Cedar Way		300		10
	Baxter Lane		870		11
	Bayberry Way	200			1
	Pond View Road	360			3
	Harveys Lane		1,200		11
	Tides End Lane		2,330		19
	Hayward Lane		1,220		16
	Sea Mist Drive		370		6
	Cedar Cove Road	180	400	350	7
	Lestage Road	490			2
	Walker Road / Black Duck Lane		940		6
	Captain Dean Road		620		7
	Briar Spring Road (Barley Neck Road to Fox Ridge Drive)		980		7
	Gilman Lane	630			3
	Fox Ridge Drive		1,660		17
	Pleasant View Drive / Dale Ann Drive		1,970		27
Twiss Road		600		5	
	SUB-TOTAL:	1,860	13,460	350	158

**TABLE 3-4
SUMMARY OF LOW-PRESSURE SEWER PIPE SIZES**

PROPOSED PUMP STATION	TRIBUTARY STREETS	LOW-PRESSURE SEWERS			# OF G.P. UNITS
		1 1/2-inch	2-inch	3-inch	
Pump Station #14	Landers Lane	400			2
	Brick Hill Road (Beach Road to #139)		790	390	10
	Dylan's Way	280			3
	Great Oak Road (Brick Hill Road to #59)		500		6
	Blueberry Lane		650		5
	Westwood Drive		335		8
	Harbor View Lane		850	500	13
	Harbor View East		220		6
	Duck Pond Lane		300		5
	Little Cove Lane		420		5
	SUB-TOTAL:	680	4,065	890	63
Pump Station #15	Rock Harbor Road		830	830	24
	Bridge Road		990		14
	Knowles Way	160			2
	Cedar Pond Road	270			3
		SUB-TOTAL:	430	1,820	830
Pump Station #16	Tonset Road (#90 to #308)		1,220	1,210	12
	Driftwood Lane		730		12
	Seacrest Drive		830		9
	Salt Works Circle		200		4
	Quinn Road		510		4
	Bramblewood Lane	430			2
	Brick Hill Road (Tonset Road to Champlain Road)		1,820		21
		SUB-TOTAL:	430	5,310	1,210
Pump Station #17	Nickerson Road		990		11
		SUB-TOTAL:	0	990	0
Pump Station #18	Pochet Road		1,870		11
	Sparrow Hawk Road / Blossom Lane	520			1
	Shore View Drive (to #60) / Briar Spring Road		1,900	1,000	29
	Briar Spring Road		1,270		12
	Pheasant Drive		320		3
	Brick Hill Road (Pochet Road to Beach Road)		1,200		9
	Larboard Lane		330		6
	Natural Drive		560		9
	Grist Road		810		5
		SUB-TOTAL:	520	8,260	1,000
Pump Station #19	Gibson Road		1,070		12
	Hidden Valley Road		560		10
		SUB-TOTAL:	0	1,630	0
GRAND TOTAL:		10,185	85,370	20,130	1,039

TABLE 3-5
SUMMARY OF PUMP STATIONS AND FORCE MAIN LENGTHS

PROPOSED PUMP STATION	AVERAGE DAILY FLOW (GPD)	PEAK DAILY FLOW (GPD)	INFILTRATION/ INFLOW (I/I) (GPD)	TOTAL PEAK FLOW (GPD)	TOTAL PEAK FLOW (GPM)	FORCE MAIN LENGTH (LF)	FORCE MAIN SIZE (INCHES)
Pump Station #1	21,600	120,960	5,500	126,460	88	2,025	3
Pump Station #2	10,400	58,240	4,600	62,840	44	2,250	2
Pump Station #3	54,400	304,640	15,140	319,780	222	2,100	4
Pump Station #4	125,000	675,000	33,600	708,600	492	1,500	8
Pump Station #5	29,400	164,640	4,600	169,240	118	2,140	4
Pump Station #6	156,000	780,000	40,330	820,330	570	2,550	8
Pump Station #7	200,650	963,120	50,800	1,013,920	704	1,860	8
Pump Station #8	600,000	2,460,000	129,400	2,589,400	1,798	8,100	15
Pump Station #9	36,600	204,960	2,300	207,260	144	1,000	4
Pump Station #10	50,400	282,240	4,400	286,640	199	3,100	4
Pump Station #11	173,400	867,000	14,430	881,430	612	2,600	8
Pump Station #12	34,200	191,520	3,100	194,620	135	2,600	4
Pump Station #13	55,000	308,000	8,550	316,550	220	2,750	4
Pump Station #14	49,775	278,740	7,800	286,540	199	1,100	4
Pump Station #15	94,200	527,520	4,820	532,340	370	3,750	6
Pump Station #16	63,800	357,280	9,980	367,260	255	2,750	6
Pump Station #17	17,325	97,020	2,600	99,620	69	475	3
Pump Station #18	28,400	159,040	5,640	164,680	114	3,270	4
Pump Station #19	24,750	138,600	4,340	142,940	99	2,350	3
GRAND TOTAL:						48,270	