GRAPHICS

Wastewater Graphics

Short SEWER LEVEL List Revised: December 17, 2014

LEVEL	INFORMATION
	IN CRWATION
1	(Correction circles)
3	1/4 section stubs, blowups, microfilm#
4	Open ended pipe cells, graphic drawing ends cells, map edge cell, tie to san etc.
5	Easements & lot lines, block#, street, building, hydrology, park names etc.
Public L	inear Feature :
6	150 / 200 / 225 / 250 / 300mm main
7	325 / 350 / 375 / 400 / 425 / 450 / 475 / 500mm main
8	525 / 550 / 575 / 600 / 625 / 650 / 675 / 700 / 710 / 725 / 750mm main
9	800 / 850 / 900 / 1050 / 1200mm main
10	1350 / 1500 / 1650 / 1800mm main
11	1950 / 2100 / 2400 / 3000mm main
12(*)	abandoned public main, active and abandoned forcemain / syphon / duct / *weeping
	tile
Active a	nd abandoned Linear Feature (private/services):
13(*)	private pipe / residential / commercial / multi-family service/ *private open channel /
	*weeping tile / forcemain / *private multi-line drainage / *culvert
	inear Feature :
14*	catch basin lead
15*	culvert / cross-fall / ditch / swale / open channel / multi-line drainage
16	1:500 text for level 6
17	1:500 text for level 7
18	1:500 text for level 8
19	1:500 text for level 9
20	1:500 text for level 10
21	1:500 text for level 11
22	1:500 text for level 12
23	1:500 text for level 13
24*	1:500 text for level 14
25*	1:500 text for level 15
26	1:4000 text for level 6
27	1:4000 text for level 7
28	1:4000 text for level 8
29	1:4000 text for level 9
30	1:4000 text for level 10
31	1:4000 text for level 11
32	1:4000 text for level 12
33	1:4000 text for level 13
34*	1:4000 text for level 14

35*	1:4000 text for level 15
Active a	nd abandoned Point Feature Manager :
36	manhole and chamber 1:500 symbol
37	manhole and chamber 1:4000 symbol
38	manhole and chamber 1:500 text
39	manhole and chamber 1:4000 text
40*	structure and catch basin 1:500 symbol
41*	structure/catch basin/ LID-RWH/LID-SCR/LID-GR/LID-PPV/LID-AL/LID-BS/LID-BR
	1:4000 symbol
42*	structure and catch basin 1:500 text
43*	Structures/catch basins/ LID-RWH/LID-SCR/LID-GR/LID-PPV/LID-AL/LID-BS/LID-
	BR 1:4000 text
44	station / flow arrow / miscellaneous cell 1:500
45	station / flow arrow / miscellaneous cell 1:4000
46	station / flow arrow / miscellaneous text 1:500
47	station / flow arrow / miscellaneous text 1:4000
48	Planned Line features and texts
49	Planned Point Features and texts
50	Active pond outline
55	
58	Sanitary Arc
59*	Storm Arc
61	Services
63	border cell

Note: * STRICTLY STORM LEVELS

SEWER LEVEL AND COLOUR ASSIGNMENTS

Revised: December 19, 2000

Note: Linear Feature wt=3, cellwork wt=1 and all text wt=1.

Open channel (construction lines) with cells placed evenly along the line.

Active elements Ic=0 and abandoned elements Ic=1.

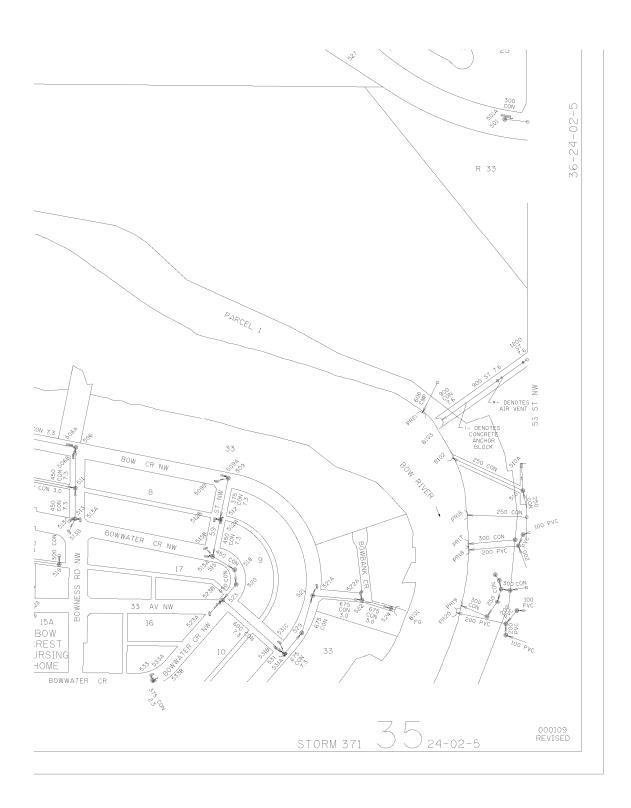
All catch basin leads should be placed public.

Do not use abandoned open channel, catch basin or catch basin lead.

Level	Colour	Information
1	0	(Correction circles)
3	0	1/4 section stubs (wt=4)
	1	blowups (ellipse wt=4)
	2	microfilm# (wt=2, tx=16, ft=66)
4	1 - 4	open ended pipe symbol
	5 - 8	graphical drawing end symbol
	9 - 12	map edge symbol
	20 - 23	tie to sanitary system symbol
	24 - 27	sludge lagoon tie symbol
	31 - 34	wastewater treatment plant tie symbol
	46 - 49	water treatment plant tie symbol

5	wt/lc/co	Cell Name AC=	Text tx/ft/ls	Information	Example
	1/ 0/ 0		5.0/60	revision date	every section
	1/ 0/ 0	VV.		air vent	stm3524025.dgn
		TR.		concrete anchor block	stm1824015.dgn
			5.0/60	text note	
	1/ 1/ 0			easement	
	1/ 0/ 0			lot lines	
	1/ 0 /15		6.2/60/4.1	street names	
			7.0/60/4.5	major street names	
	1/ 0/30		7.0/60	block numbers	
	1/ 0/45		9.0/60/5.5	building names	LRT stations
	1/ 0/60		7.0/60/4.5	hydrology text	
	1/ 4/ 7			hydrology lines	stm2824015.dgn
	1/ 0/ 75		9.0/60/5.5	park names	
	1/ 0/ 0			site Linear Feature	
	1/ 0/90		6.2/60	site and plant names	
	1/ 5/ 2		5.0/60	misc. structures	san1324015.dgn tunnel, chamber

Example:



Level 6-15 Linear Feature	
Pipe	
Colour	Material
1/16/31/46/61/76	concrete
2/17/32/47/62/77	vitrified clay/gravel
3/18/33/48/63/78	polyvinyl chloride/asphalt
4/19/34/49/6479	steel/grass
5/20/35/50/65/80	asbestos concrete
6/21/36/51/66/81	brick
7/22/37/52/67/82	cured in place
8/23/38/53/68/83	corrugated metal
9/24/39/54/69/84	con sedimentation vault
10/25/40/55/70/85	nudrain (WTD only)
11/26/41/56/71/86	polyethylene
12/27/42/57/72/87	cast iron
13/28/43/58/73/88	concrete cylinder
14/29/44/59/74/89	

Level	Colour	Information
6	1 - 14	150mm
	16 - 29	200mm
	31 - 44	225/250mm
	46 - 59	300mm
	1 - 14	325/350mm
7	16 - 29	375mm
	31 - 44	400/425/450mm
	46 - 59	475/510mm
8	1 - 14	525/550mm
	16 - 29	575/600mm
	31 - 44	625/650/675mm
	46 - 59	700/710/725/750
9	1 - 14	800mm
	16 - 29	850/900mm
	31 - 44	1050mm
	46 - 59	1200mm
10	1 - 14	350mm
	16 - 29	1500mm
	31 - 44	1650mm
	46 - 59	1800mm
11	1 - 14	1950/2100mm
	16 - 29	2400mm
	31 - 44	3000mm
12	1 - 14	abandoned public main
	10 - 85	active/abandoned nudrain weeping tile
	16 - 29	active/abandoned forcemain
	31 - 44	active/abandoned syphon
	46 - 59	active/abandoned duct
	61 - 74	active/abandoned weeping tile
13	1 - 14	active/abandoned private main
	10 - 85	active/abandoned private nudrain weeping tile

	T 12 22	
	16 - 29	active/abandoned residential service
	31 - 44	active/abandoned commercial/multi-family
	46 - 59	active private open channel c/w cells
	61 - 74	active/abandoned private weeping tile
	76 - 89	active private multiline drainage
	91 -104	active/abandoned private forcemain
	106 -119	active/abandoned private culvert
14	1 - 14	catch basin lead
15	1 - 14	culvert c/w cells
.0	16 - 29	x-fall c/w cells
	31 - 44	ditch c/w cells
	46 - 59	swale c/w cells
	61 - 74	
	_	active public open channel c/w cells
	76 - 89	multiline drainage
Laval 16 OF Liv	near Feature Text 1:500	
		150mm
16	1 - 14	
	16 - 29	200mm
	31 - 44	225/250mm
4=	46 - 59	300mm
17	1 - 14	325/350mm
	16 - 29	375mm
	31 - 44	400/425/450mm
	46 - 59	475/510mm
18	1 - 14	525/550mm
	16 - 29	575/600mm
	31 - 44	625/650/675mm
	46 - 59	700/710/725/750mm
19	1 - 14	800mm
	16 - 29	850/900mm
	31 - 44	1050mm
	46 - 59	1200mm
20	1 - 14	1350mm
	16 - 29	1500mm
	31 - 44	1650mm
	46 - 59	1800mm
21	1 - 14	1950/2100mm
	16 - 29	2400mm
	31 - 44	3000mm
22	1 - 14	abandoned public main
	10 - 85	active/abandoned nudrain weeping tile
	16 - 29	active/abandoned forcemain
	31 - 44	active/abandoned syphon
	46 - 59	active/abandoned sypnon active/abandoned duct
00	61 - 74	active/abandoned weeping tile
23	1 - 14	active/abandoned private main
	10 - 85	active/abandoned private nudrain weeping tile
	16 - 29	active/abandoned residential service)
	31 - 44	active/abandoned commercial/multi-family
	46 - 59	active private open channel

	61 - 74	active/abandoned private weeping tile
	76 - 89	active private multiline drainage
	91 -104	active private mutuine dramage active/abandoned private forcemain
	106 -119	active/abandoned private culvert
24	1 - 14	catch basin lead
24 25	1 - 14	culvert
25		
	16 - 29	x-fall
	31 - 44	ditch
	46 - 59 61 - 74	swale
		active public open channel
Laval OC OF Li	76 - 89	multiline drainage
	near Feature Text 1:4000	450
26	1 - 14	150mm
	16 - 29	200mm
	31 - 44	225/250mm
07	46 - 59	300mm
27	1 - 14	325/350mm
	16 - 29	375mm
	31 - 44	400/425/450mm
00	46 - 59	475/510mm
28	1 - 14	525/550mm
	16 - 29	575/600mm
	31 - 44	625/650/675mm
00	46 - 59	700/710/725/750mm
29	1 - 14	800mm
	16 - 29	850/900mm
	31 - 44	1050mm
00	46 - 59	1200mm
30	1 - 14	1350mm
	16 - 29	1500mm
	31 - 44	1650mm
0.4	46 - 59	1800mm
31	1 - 14	1950/2100mm
	16 - 29	2400mm
00	31 - 44	3000mm
32	1 - 14	abandoned public main
	10 - 85	active/abandoned nudrain weeping tile
	16 - 29	active/abandoned forcemain
	31 - 44	active/abandoned syphon
	46 - 59	active/abandoned duct
00	61 - 74	active/abandoned weeping tile
33	1 - 14	active/abandoned private main
	10 - 85	active/abandoned private nudrain weeping tile
	16 - 29	active/abandoned residential service
	31 - 44	active/abandoned commercial/multi-family
	46 - 59	active private open channel
	61 - 74	active/abandoned private weeping tile
	76 - 89	active private multiline drainage
	91 -104	active/abandoned private forcemain
	106 -119	active/abandoned private culvert

34	1 - 14	catch basin lead
35	1 - 14	culvert
	16 - 29	x-fall
	31 - 44	ditch
	46 - 59	swale
	61 - 74	active public open channel
	76 - 89	multiline drainage
Cellwork 1:500	Symbol	
36	1 - 4	manhole
	5 - 8	air release manhole
	9 - 12	diversion manhole
	16 - 19	metering manhole
	20 - 23	sediment manhole
	24 - 27	weir manhole
	31 - 34	oil recovery manhole
	35 - 38	flood gate manhole
	39 - 42	flapper gate manhole
	46 - 49	manhole with valve
	50 - 53	lake control manhole
	54 - 57	access opening manhole
	61 - 64	chamber
	65 - 68	(chamber to scale) NOT IN USE
	69 - 72	chamber with valve
	76 - 79	inlet chamber
	80 - 83	outlet chamber
	84 - 87	private manhole/chamber
	91 - 94	abandoned manhole/chamber
	99 - 102	test manhole public
	106 - 109	(test manhole private) NOT IN USE
	110 - 113	septic dump manhole
	114 - 117	cleanout in manhole
	121 - 124	manhole with inline or slip on valve
	129 - 132	drypond control/monitor chamber
	136 - 139	drypond inlet/outlet chamber
	140 - 143	manhole with flapper valve
	144 - 147	STC manhole
	151 -154	vortech chamber
	159 - 162	pump manhole
	166 - 169	biofilter chamber
	170 - 173	monitoring manhole

Cellwork 1:400	00 Symbol	
37 Manhole	Colour	Accuracy
	base color	surveyed
	base + 1	calsim
	base + 2	dimension
	base + 3	scaled
	Colour	Information

	T	
	1 - 4 5 - 8 9 - 12 16 - 19 20 - 23 24 - 27 31 - 34 35 - 38 39 - 42 46 - 49 50 - 53 54 - 57 61 - 64	manhole air release manhole diversion manhole metering manhole sediment manhole weir manhole oil recovery manhole flood gate manhole flapper gate manhole manhole with valve lake control manhole access opening manhole chamber
	65 - 68 69 - 72 76 - 79 80 - 83 84 - 87 91 - 94 99 - 102 106 - 109 110 - 113 114 - 117 121 - 124 129 - 132 136 - 139 140 - 143 144 - 147 151 - 154	chamber to scale) NOT IN USE chamber with valve inlet chamber outlet chamber private manhole/chamber abandoned manhole/chamber test manhole public (test manhole private) NOT IN USE septic dump manhole cleanout in manhole manhole with inline or slip on valve drypond control/monitor chamber drypond inlet/outlet chamber manhole with flapper valve STC manhole vortech chamber
Cellwork 1:500	159 - 162 166 - 169 170 - 173	pump manhole biofilter chamber monitoring manhole
38	5 - 8 9 -12 15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72	air release manhole diversion manhole safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve

	75	grated top cover
	76 - 79	inlet chamber
	80 - 83	outlet chamber
	84 - 87	private manhole/chamber
	90	parson insert cover
	91 - 94	abandoned manhole/chamber
	95 - 98	manhole/chamber number
	99 -102	test manhole public
	105	special/super manhole
	106 -109	(test manhole private) NOT IN USE
	110 -113	septic dump manhole
	114 -117	cleanout in manhole
	120	plastic plug cover
	121 -124	manhole with inline or slip on valve
	129 -132	drypond control/monitor chamber
	135	carbon/charcoal cover
	136 -139	drypond inlet/outlet chamber
	140 -143	•••
		manhole with flapper valve
	144 -147	STC manhole
	151 -154	vortech chamber
	159 -162	pump manhole
	166 - 169	biofilter chamber
	170 - 173	monitoring manhole
Cellwork 1:400	0 Text	
39	5 - 8	air release manhole
	9 - 12	diversion manhole
	9 - 12 15	diversion manhole safety grate cover
		safety grate cover
	15 16 - 19	safety grate cover metering manhole
	15 16 - 19 20 - 23	safety grate cover metering manhole sediment manhole
	15 16 - 19 20 - 23 24 - 27	safety grate cover metering manhole sediment manhole weir manhole
	15 16 - 19 20 - 23 24 - 27 30	safety grate cover metering manhole sediment manhole weir manhole flagged cover
	15 16 - 19 20 - 23 24 - 27 30 31 - 34	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83 84 - 87 90	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber parson insert cover
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83 84 - 87 90 91 - 94	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber parson insert cover abandoned manhole/chamber
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83 84 - 87 90 91 - 94 95 - 98	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber parson insert cover abandoned manhole/chamber manhole/chamber number
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83 84 - 87 90 91 - 94 95 - 98 99 - 102	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber parson insert cover abandoned manhole/chamber manhole/chamber number test manhole public
	15 16 - 19 20 - 23 24 - 27 30 31 - 34 35 - 38 39 - 42 45 46 - 49 50 - 53 54 - 57 60 65 - 68 69 - 72 75 76 - 79 80 - 83 84 - 87 90 91 - 94 95 - 98	safety grate cover metering manhole sediment manhole weir manhole flagged cover oil recovery manhole flood gate manhole flapper gate manhole padlocked cover manhole with valve lake control manhole access opening manhole sealed cover (chamber to scale) NOT IN USE chamber with valve grated top cover inlet chamber outlet chamber private manhole/chamber parson insert cover abandoned manhole/chamber manhole/chamber number

	T	
	110 -113	septic dump manhole
	114 -117	cleanout in manhole
	120	plastic plug cover
	121 -124	manhole with inline or slip on valve
	129 -132	drypond control/monitor chamber
	135	carbon/charcoal cover
	136 -139	drypond inlet/outlet chamber
		"
	140 -143	manhole with flapper valve
	144 -147	STC manhole
	151 -154	vortech chamber
	159 – 162	pump manhole
	166 - 169	biofilter chamber
	170 - 173	monitoring manhole
Cellwork 1:500		
40	1 - 4	inlet structure
•	5 - 8	screened inlet
	9 - 12	outfall structure
	16 - 19	
		flapper gate outfall
	20 - 23	flood gate outfall
	24 - 27	screened outfall
	31 - 34	waterworks structure NOT IN USE
	35 - 38	private inlet/outfall
	39 - 42	abandoned inlet/outfall
	50 - 53	single/twin/triple catch basin
	61 - 64	catch basin with valve
	65 - 68	sump pit
	69 - 72	
		dry well
	76 - 79	sanitary catch basin
	80 - 83	private catch basin
	84 - 87	(abandoned catch basin) NOT IN USE
	95 - 98	cleanout in catch basin
	99 -102	dry pond inlet/outlet
Cellwork 1:400	0 Symbol	
41	1 - 4	inlet structure
	5 - 8	screened inlet
	9 - 12	outfall structure
	16 - 19	flapper gate outfall
	20 - 23	
		flood gate outfall
	24 - 27	screened outfall
	31 - 34	waterworks structure NOT IN USE
	35 - 38	private inlet/outfall
	39 - 42	abandoned inlet/outfall
	50 - 53	single/twin/triple catch basin
	61 - 64	catch basin with valve
	65 - 68	sump pit
	69 - 72	dry well
	76 - 79	1 9
		sanitary catch basin
	80 - 83	private catch basin
	109 – 112	Rainwater Harvest
	113 -116	1

		bio retention/bio swale/green roof/capture & reuse/ absorbent landscape/permeable pavement
Cellwork 1:500	Text	
42	5 - 8 16 - 19 20 - 23 24 - 27 31 - 34 35 - 38 39 - 42 46 - 49 50 - 53 61 - 64 65 - 68 69 - 72 76 - 79 80 - 83 84 - 87 91 - 94	screened inlet flapper gate outfall flood gate outfall screened outfall waterworks structure NOT IN USE (private inlet/outfall 'PR') NOT IN USE abandoned inlet/outfall inlet/outfall number single/twin/triple catch basin catch basin with valve sump pit dry well sanitary catch basin private catch basin (abandoned catch basin) NOT IN USE catch basin number
Cellwork 1:400	95 - 98 99 -102 105	cleanout in catch basin number drypond inlet/outlet special/super catch basin
43	5 - 8 16 - 19 20 - 23 24 - 27 31 - 34 35 - 38 39 - 42 46 - 49 61 - 64 65 - 68 69 - 72 84 - 87 91 - 94 95 - 98 99 -102 105 109 - 112 113 - 116	screened inlet flapper gate outfall flood gate outfall screened outfall waterworks structure NOT IN USE (private inlet/outfall 'PR') NOT IN USE abandoned inlet/outfall inlet/outfall number catch basin with valve sump pit dry well (abandoned catch basin) NOT IN USE catch basin number cleanout in catch basin number drypond inlet/outlet special/super catch basin Rainwater Harvest bio retention/bio swale/green roof/capture & reuse/ absorbent landscape/permeable pavement
Cellwork 1:500	Symbol	
44	1 - 4 8 9 - 12 16 - 19 20 - 23	lift station line terminator for culvert gauge station metering station private station

	24 - 27	abandoned station
	31 - 34	valve
	35 - 38	thrust block (used by 1:4000 symbol does not
	39 - 42	print)
	46 - 49	test point
	50 - 53	anode
	54 - 57	trash collector (to scale)
	61 - 64	drainage barrier (to scale)
	65 - 68	ice dam (to scale)
	69 - 72	weir (to scale)
	76 - 79	high point
	80 - 83	transition point
	84 - 87	closed end stub (end-cap)
	91 - 94	cleanout
	95 - 98	other private
	100	other abandoned
	132 - 135	active/abandoned flow arrow
	155 - 158	public/private@mh/tee
		septic tank
0 11 1 1 100		inline or slip on red valve
Cellwork 1:400		120 4 4
45	1 - 4	lift station
	8	line terminator for culvert
	9 - 12	gauge station
	16 - 19	metering station
	20 - 23 24 - 27	private station abandoned station
	31 - 34	valve
	35 - 38	thrust block (see 1:500 symbol does not print)
	39 - 42	test point
	46 - 49	anode/open channel flow arrow
	50 - 53	trash collector (to scale)
	54 - 57	drainage barrier (to scale)
	61 - 64	ice dam (to scale)
	65 - 68	weir (to scale)
	69 - 72	high point
	76 - 79	transition point
	80 - 83	closed end stub (end-cap)
	84 - 87	cleanout
	91 - 94	other private
	95 - 98	other abandoned
	100	active/abandoned flow arrow
	132 - 135	public/private@mh/tee
	155 - 158	septic tank
		inline or slip on red valve
Cellwork 1:500	Text	
46	0	lake/pond number (tx=7.0)
	0	lake/pond name (tx=7.0)
	1 - 4 5 - 8	lift station

Γ	T	T
	9 - 12	gauge station
	16 - 19	metering station
	20 - 23	private station
	24 - 27	abandoned station
	39 - 42	test point
	46 - 49	anode
	50 - 53	trash collector (to scale)
	54 - 57	drainage barrier (to scale)
	61 - 64	ice dam (to scale)
	65 - 68	weir (to scale)
	84 - 87	cleanout
	91 - 94	other private
	95 - 98	other abandoned
	132 - 135	septic tank
	155 - 158	inline or slip on red valve
Cellwork 1:400	0 Text	
47	0	lake/pond number (tx=7.0)
	0	lake/pond name (tx=7.0)
	1 - 4	lift station
	5 - 8	station number
	9 - 12	
		gauge station
	16 - 19	metering station
	20 - 23	private station
	24 - 27	abandoned station
	39 - 42	test point
	46 - 49	anode
	50 - 53	trash collector (to scale)
	54 - 57	drainage barrier (to scale)
		. ,
	61 - 64	ice dam (to scale)
	65 - 68	weir (to scale)
	84 - 87	cleanout
	91 - 94	other private
	95 - 98	other abandoned
	132 - 135	septic tank
	155 - 158	inline or slip on red valve
Planned Featu		I THIN TO OF ONE OF TOO VOIVO
		Diamod Line Factures: LC=7, C==0
48	0	Planned Line Features; LC=7, Co=0
49	0	Planned Point Features; LC=7, Co=0
Boundaries & t	exts	
50	0	
55	0	
Arcs and Node		
58		sanitary arcs and nodes
59		Storm arcs and nodes
Services		
61	0	Sanitary and Storm Services
Title Block	<u> </u>	,
	10	horder cell (dropped)
63	0	border cell (dropped)

Wastewater Drafting Procedures Manual – GLOSSARY