

MS4 NPDES Application; Table 1 - Lansing MS4 Outfalls

Outfall ID#	Location Description	Discharge Type	Pipe Size	Easting	Northing	Receiving	Latitude	Longitude	GPS X	GPS Y	GPX Z
GK1	W of MLK and Northrup Ave		30"	13067996.598300	429448.761384	Gilkey Drain	42° 40' 41.655"	-84° 34' 21.218"			
GK2	MLK and Hughes	Closed Storm Drain	30"	13066992.729000	428473.229000	Gilkey Drain	42° 40' 31.993"	-84° 34' 34.625"			
GR49	Waverly	Closed Storm Drain	36"	13059980.663000	456965.578000	Grand River	42° 45' 13.271"	-84° 36' 9.570"			
GR50	E Side Waverly Rd.	Open Channel		13060013.631000	456651.209000	Grand River	42° 45' 10.167"	-84° 36' 9.116"			
GR51	Briarwood	Closed Storm Drain	18"	13060000.766000	456580.616000	Grand River	42° 45' 9.469"	-84° 36' 9.286"			
GR52	Boynton	Closed Storm Drain	12"	13060805.165000	457139.416000	Grand River	42° 45' 15.011"	-84° 35' 58.524"			
GR53	Tecumseh	Closed Storm Drain	36"	13061192.100000	457286.475000	Grand River	42° 45' 16.475"	-84° 35' 53.343"			
GR55	Byrns	Closed Storm Drain	27"	13062428.507000	456764.773000	Grand River	42° 45' 11.354"	-84° 35' 36.750"			
GR57	Ridgefield	Closed Storm Drain	18"	13062934.788000	456859.674000	Grand River	42° 45' 12.305"	-84° 35' 29.967"			
GR58	Old Haze Drain	Closed Storm Drain	78"	13063245.837000	456901.360000	Grand River	42° 45' 12.725"	-84° 35' 25.799"			
GR62	Tecumseh	Closed Storm Drain	12"	13065502.302300	457809.200317	Grand River	42° 45' 21.751"	-84° 34' 55.584"			
GR62N	Tecumseh River Dr	Closed Storm Drain	24"	13066235.071000	458495.042000	Grand River	42° 45' 28.545"	-84° 34' 45.784"			
GR62T	Sunset Ave	Closed Storm Drain	12"	13066248.508000	458112.546000	Grand River	42° 45' 24.767"	-84° 34' 45.591"			
GR63	Belt Line RR at Logan	Closed Storm Drain	42"	13068631.042000	458850.227000	Grand River	42° 45' 32.112"	-84° 34' 13.676"			
GR68	north bank; just west of Coolidge St. (tributary to eliminated CSO Regulator 013)	Closed Storm Drain	78"				42° 45' 18.0"	-84° 33' 54.0"	13070093.38	457419.577	809.867652530446
GR72	Emerson	Closed Storm Drain	24"	13071443.451000	456506.516000	Grand River	42° 45' 9.025"	-84° 33' 35.902"			
GR75	Chestnut	Closed Storm Drain	12"	13071934.532000	455929.888000	Grand River	42° 45' 3.340"	-84° 33' 29.302"			
GR79	N Grand River	Closed Storm Drain	12"	13072726.672600	455765.189005	Grand River	42° 45' 1.731"	-84° 33' 18.679"			
GR80	N Grand River	Closed Storm Drain	6"	13072715.827400	455554.100971	Grand River	42° 44' 59.645"	-84° 33' 18.818"			
GR82	Willow St	Closed Storm Drain	36"	13073855.685000	455158.053000	Grand River	42° 44' 55.758"	-84° 33' 3.528"			
GR82A	Willow	Closed Storm Drain		13073895.737700	454964.168817	Grand River	42° 44' 53.844"	-84° 33' 2.986"			
GR83	Turner	Closed Storm Drain	12"	13074083.156200	454706.630996	Grand River	42° 44' 51.304"	-84° 33' 0.466"			
GR83A	Factory	Closed Storm Drain	36"	13074082.851800	454623.909321	Grand River	42° 44' 50.486"	-84° 33' 0.468"			
GR83N	Turner St near E Grand River Ave	Closed Storm Drain	18"	13074025.951000	454879.018000	Grand River	42° 44' 53.005"	-84° 33' 1.238"			
GR84	W Grand River	Closed Storm Drain	18"	13073886.856000	454764.428000	Grand River	42° 44' 51.870"	-84° 33' 3.099"			
GR87N	east bank; just south of vacated Water St. (tributary to eliminated CSO Regulator 018)	Closed Storm Drain	88"			Grand River	42° 44' 44.2"	-84° 32' 57.9"	13074269.18	453987.205	827.134988886974
GR88	Kilborn	Closed Storm Drain	15"	13074041.735000	453657.114000	Grand River	42° 44' 40.935"	-84° 33' 0.990"			
GR89	E Oakland Ave	Closed Storm Drain	18"	13074194.010000	453263.343000	Grand River	42° 44' 37.048"	-84° 32' 58.938"			
GR90	Center St near E Oakland Ave	Closed Storm Drain	36"	13074202.343000	452896.843000	Grand River	42° 44' 33.428"	-84° 32' 58.816"			
GR91	E Madison St at N Grand Ave	Closed Storm Drain	12"	13073960.864000	452704.257000	Grand River	42° 44' 31.520"	-84° 33' 2.046"			
GR92	W Saginaw St near N Grand Ave	Closed Storm Drain	12"	13074351.721000	452407.229000	Grand River	42° 44' 28.595"	-84° 32' 56.800"			
GR93	Saginaw	Closed Storm Drain	21"	13074119.373000	452324.258000	Grand River	42° 44' 27.770"	-84° 32' 59.911"			
GR93A	W Saginaw St near N Grand Ave	Closed Storm Drain	8"	13074149.816000	452200.205000	Grand River	42° 44' 26.545"	-84° 32' 59.499"			
GR93B	east bank; just north of E. Saginaw St. (tributary to eliminated CSO Regulator 045)	Closed Storm Drain	42"			Grand River	42° 44' 27.5"	-84° 32' 56.4"	13074378.3	452300.017	819.506693857220
GR94	N Grand Ave near W Saginaw St	Closed Storm Drain	30"	13074218.385000	451984.970000	Grand River	42° 44' 24.421"	-84° 32' 58.574"			
GR95	Shiawassee St	Closed Storm Drain	10"	13074271.478000	451788.775000	Grand River	42° 44' 22.484"	-84° 32' 57.857"			
GR96	E Shiawassee St near Cedar St	Closed Storm Drain	12"	13074476.389000	451000.297000	Grand River	42° 44' 14.699"	-84° 32' 55.088"			
GR98	E Shiawassee St near Cedar St (tributary to eliminated CSO Regulator 020)	Closed Storm Drain	54"			Grand River	42° 44' 13.1"	-84° 32' 55.088"	13074469.27	450842.693	821.260069730159
GR103	Board of Water & Light Ottawa Station	Industrial	12"	13074310.008000	450608.144000	Grand River	42° 44' 10.822"	-84° 32' 57.306"			
GR103N	Museum Dr	Closed Storm Drain	30"	13074502.924000	450320.287000	Grand River	42° 44' 7.982"	-84° 32' 54.713"			
GR104A	Shiawassee Lansing Center	Closed Storm Drain	18"	13074501.435000	450236.549000	Grand River	42° 44' 7.155"	-84° 32' 54.730"			
GR105	Board of Water & Light Ottawa Station	Industrial	18"	13074314.799000	450282.559000	Grand River	42° 44' 7.605"	-84° 32' 57.233"			

MS4 NPDES Application; Table 1 - Lansing MS4 Outfalls

Outfall ID#	Location Description	Discharge Type	Pipe Size	Easting	Northing	Receiving	Latitude	Longitude	GPS X	GPS Y	GPX Z
GR106	Board of Water & Light Ottawa Station	Industrial	30"	13074207.967000	449992.048000	Grand River	42° 44' 4.733"	-84° 32' 58.656"			
GR109	Lansing Center	Closed Storm Drain	18"	13074319.544000	449848.945000	Grand River	42° 44' 3.322"	-84° 32' 57.156"			
GR109E	Lansing Center	Closed Storm Drain	36"	13074321.840000	449825.690000	Grand River	42° 44' 3.092"	-84° 32' 57.125"			
GR110	E Michigan Ave at the Lansing Center	Closed Storm Drain	16"	13074281.000000	449631.000000	Grand River	42° 44' 1.168"	-84° 32' 57.667"			
GR111	Michigan	Closed Storm Drain	16"	13074084.680000	449641.160000	Grand River	42° 44' 1.264"	-84° 33' 0.298"			
GR112	Michigan Ave near S Grand Ave	Closed Storm Drain	16"	13074104.722000	449562.244000	Grand River	42° 44' 0.485"	-84° 33' 0.027"			
GR113	Michigan Ave near Museum Dr	Closed Storm Drain	16"	13074269.000000	449559.000000	Grand River	42° 44' 0.457"	-84° 32' 57.825"			
GR114	Allegan St & Grand Ave	Closed Storm Drain	24"	13074086.268000	449218.788000	Grand River	42° 43' 57.092"	-84° 33' 0.264"			
GR115	Parking Deck at S Grand Ave and E Allegan St	Closed Storm Drain	12"	13074082.298000	449167.864000	Grand River	42° 43' 56.589"	-84° 33' 0.316"			
GR116	Mill St	Closed Storm Drain	36"	13074386.208000	448874.367000	Grand River	42° 43' 53.696"	-84° 32' 56.235"			
GR118	Mill St	Closed Storm Drain	6"	13074538.996000	448631.100000	Grand River	42° 43' 51.296"	-84° 32' 54.180"			
GR119	Cedar St near E Kalamazoo St	Closed Storm Drain	12"	13074709.660000	448464.452000	Grand River	42° 43' 49.654"	-84° 32' 51.889"			
GR120	Cedar St near E Kalamazoo St	Closed Storm Drain	12"	13074860.080000	448364.945000	Grand River	42° 43' 48.674"	-84° 32' 49.870"			
GR121A	Kalamazoo St	Closed Storm Drain	24"	13074925.480000	448227.334000	Grand River	42° 43' 47.316"	-84° 32' 48.990"			
GR121D	Kalamazoo Plz	Closed Storm Drain	12"	13074699.163000	448197.671000	Grand River	42° 43' 47.018"	-84° 32' 52.022"			
GR123	Cedar	Closed Storm Drain	10"	13075216.068000	447760.539000	Grand River	42° 43' 42.711"	-84° 32' 45.083"			
GR124	Hillsdale	Closed Storm Drain	15"	13075044.762000	447616.978000	Grand River	42° 43' 41.289"	-84° 32' 47.374"			
GR124A	Between Lenawee and Hill	Closed Storm Drain	15"	13075204.321500	447052.740462	Grand River	42° 43' 35.719"	-84° 32' 45.220"			
GR125	Hillsdale	Closed Storm Drain	36"	13075329.914000	447310.391000	Grand River	42° 43' 38.266"	-84° 32' 43.545"			
GR126	Saint Joseph	Closed Storm Drain	15"	13075189.194000	446939.514000	Grand River	42° 43' 34.600"	-84° 32' 45.420"			
GR127	Cedar	Closed Storm Drain	24"	13075214.716000	446486.449000	Grand River	42° 43' 30.125"	-84° 32' 45.065"			
GR128	Cedar	Closed Storm Drain	36"	13075217.147700	446528.880622	Grand River	42° 43' 30.544"	-84° 32' 45.034"			
GR129	River St	Closed Storm Drain	24"	13074973.013000	446345.887000	Grand River	42° 43' 28.731"	-84° 32' 48.299"			
GR129N	Main St near E Main St	Closed Storm Drain	12"	13074638.000000	446530.000000	Grand River	42° 43' 30.543"	-84° 32' 52.793"			
GR130	Main St near E Main St	Closed Storm Drain	12"	13074525.037000	446530.452000	Grand River	42° 43' 30.545"	-84° 32' 54.307"			
GR131	Main	Closed Storm Drain	15"	13074514.468000	446531.920000	Grand River	42° 43' 30.559"	-84° 32' 54.448"			
GR136	Washington	Closed Storm Drain	12"	13073516.704000	446355.518000	Grand River	42° 43' 28.795"	-84° 33' 7.812"			
GR137	S Washington Ave	Closed Storm Drain	12"	13073409.041000	446230.777000	Grand River	42° 43' 27.560"	-84° 33' 9.250"			
GR138	West Main St near Townsend St	Closed Storm Drain	10"	13072996.732000	446184.110000	Grand River	42° 43' 27.090"	-84° 33' 14.773"			
GR138D	Townsend St at N end of GM Lot	Closed Storm Drain	66"	13072996.200000	446184.020000	Grand River	42° 43' 27.089"	-84° 33' 14.780"			
GR139	Hazel St	Closed Storm Drain	24"	13073128.124000	445790.473000	Grand River	42° 43' 23.205"	-84° 33' 13.001"			
GR142	South	Closed Storm Drain	10"	13073095.934000	444719.883000	Grand River	42° 43' 12.628"	-84° 33' 13.401"			
GR143	GTRR	Closed Storm Drain	10"	13073085.118200	444364.347288	Grand River	42° 43' 9.116"	-84° 33' 13.535"			
GR144	Railroad Tracks E of the River	Closed Storm Drain	48"	13073065.737000	444342.771000	Grand River	42° 43' 8.902"	-84° 33' 13.794"			
GR146	Island	Closed Storm Drain	30"	13072980.390000	443982.798000	Grand River	42° 43' 5.344"	-84° 33' 14.927"			
GR147	Reo Ave	Closed Storm Drain	8"	13072801.068000	443750.085000	Grand River	42° 43' 3.042"	-84° 33' 17.322"			
GR148	Woodlawn	Closed Storm Drain	12"	13072512.893900	443718.217664	Grand River	42° 43' 2.720"	-84° 33' 21.182"			
GR149	Davis Ave	Closed Storm Drain	12"	13072131.366000	443638.279000	Grand River	42° 43' 1.922"	-84° 33' 26.290"			
GR150	Board of Water & Light	Industrial		13071880.225000	443888.537545	Grand River	42° 43' 4.389"	-84° 33' 29.662"			
GR156	Board of Water & Light	Industrial	24"	13071302.975000	444148.038000	Grand River	42° 43' 6.939"	-84° 33' 37.404"			
GR158	Beal	Closed Storm Drain	24"	13071208.944000	443859.783000	Grand River	42° 43' 4.090"	-84° 33' 38.655"			
GR158A	Moores River Dr at Hess Ave	Closed Storm Drain	8"	13070444.245000	444021.617000	Grand River	42° 43' 5.671"	-84° 33' 48.904"			
GR160	Pico Ave	Closed Storm Drain	15"	13070136.032000	444105.405000	Grand River	42° 43' 6.491"	-84° 33' 53.036"			
GR160A	Moores River Dr near Pico Ave	Closed Storm Drain	12"	13070152.000000	444076.000000	Grand River	42° 43' 6.201"	-84° 33' 52.821"			
GR160N	Moores River Dr near northbound MLK Blvd	Closed Storm Drain	8"	13069640.482000	444336.312000	Grand River	42° 43' 8.761"	-84° 33' 59.682"			
GR161	Moores River Dr	Closed Storm Drain	8"	13069851.351000	444200.248000	Grand River	42° 43' 7.421"	-84° 33' 56.853"			

MS4 NPDES Application; Table 1 - Lansing MS4 Outfalls

Outfall ID#	Location Description	Discharge Type	Pipe Size	Easting	Northing	Receiving	Latitude	Longitude	GPS X	GPS Y	GPX Z
GR161A	Moores River Dr near Fletcher St	Closed Storm Drain	15"	13069722.478000	444274.216000	Grand River	42° 43' 8.149"	-84° 33' 58.582"			
GR163	S Logan	Closed Storm Drain	12"	13069442.941700	444527.549232	Grand River	42° 43' 10.645"	-84° 34' 2.335"			
GR165	Park Ave	Closed Storm Drain	66"	13068431.252000	444586.495000	Grand River	42° 43' 11.203"	-84° 34' 15.890"			
GR165G	Olds Ave at Buffalo St	Closed Storm Drain	42"	13066118.582000	445450.702000	Grand River	42° 43' 19.684"	-84° 34' 46.903"			
GR165I	Moores River Dr and Cambridge	Closed Storm Drain	18"	13065166.972000	445022.235000	Grand River	42° 43' 15.427"	-84° 34' 59.638"			
GR165N	Olds Ave near West St	Closed Storm Drain	60"	13067290.976000	445486.038000	Grand River	42° 43' 20.062"	-84° 34' 31.197"			
GR165R	Olds Ave at Nipp Ave	Closed Storm Drain	12"	13067011.364000	445471.584000	Grand River	42° 43' 19.912"	-84° 34' 34.943"			
GR165U	Moores River Dr near Pettis St	Closed Storm Drain	84"	13066720.524000	445073.359000	Grand River	42° 43' 15.971"	-84° 34' 38.826"			
GR170	Moores River Dr near Oxford	Closed Storm Drain	15"	13063658.339000	444705.047000	Grand River	42° 43' 12.255"	-84° 35' 19.838"			
GR173	Moores River Dr near Oxford	Closed Storm Drain	12"	13063385.513000	444640.486000	Grand River	42° 43' 11.610"	-84° 35' 23.491"			
GR175	Nottingham	Closed Storm Drain	12"	13063082.139000	444465.697000	Grand River	42° 43' 9.876"	-84° 35' 27.549"			
GR175A	Pollard Drain	Open Channel		13061756.850000	443871.294000	Grand River	42° 43' 3.968"	-84° 35' 45.283"			
GR175D	Moores River Dr	Closed Storm Drain	24"	13062505.849000	443787.034000	Grand River	42° 43' 3.156"	-84° 35' 35.246"			
GR175F	Moore's River Dr near N Cambridge	Closed Storm Drain	24"	13062678.879000	444122.856000	Grand River	42° 43' 6.478"	-84° 35' 32.940"			
GR177	N Cambridge	Closed Storm Drain	36"	13062355.713000	443311.872000	Grand River	42° 42' 58.458"	-84° 35' 37.240"			
GR178	Westgate	Closed Storm Drain	18"	13062104.536000	442840.130000	Grand River	42° 42' 53.791"	-84° 35' 40.587"			
GR178A	Moores River Dr near Mt Hope Avenue	Culvert	8"	13061811.173000	442567.030000	Grand River	42° 42' 51.086"	-84° 35' 44.507"			
GR178D	Moores River Dr near Mt Hope Avenue	Culvert	8"	13061630.410000	442410.642000	Grand River	42° 42' 49.536"	-84° 35' 46.923"			
GR178F	Moores River Dr near Mt Hope Avenue	Culvert	12"	13061521.781000	442260.020000	Grand River	42° 42' 48.045"	-84° 35' 48.373"			
GR180	Mt. Hope	Closed Storm Drain	30"	13061077.271000	441833.879000	Grand River	42° 42' 43.824"	-84° 35' 54.312"			
GR181	Moores River Dr near Dora Dr	Closed Storm Drain	30"	13060879.741000	441519.025000	Grand River	42° 42' 40.708"	-84° 35' 56.946"			
GR181A	Horne Drain	Closed Storm Drain	12"	13060829.417000	441450.801000	Grand River	42° 42' 40.033"	-84° 35' 57.618"			
GR181C	Moores River Dr near Mt	Closed Storm Drain	12"	13060722.182000	441327.005000	Grand River	42° 42' 38.807"	-84° 35' 59.050"			
GR181D	Moores River Dr at Dora	Closed Storm Drain	24"	13060375.378000	440953.091000	Grand River	42° 42' 35.103"	-84° 36' 3.681"			
GR181I	Moores River Dr near Waverly Rd.	Closed Storm Drain	10"	13060002.717000	440607.073000	Grand River	42° 42' 31.675"	-84° 36' 8.660"			
GR183	Blue River Dr at Seaway Dr	Closed Storm Drain	27"	13057913.507000	436480.226000	Grand River	42° 41' 50.849"	-84° 36' 36.485"			
GR184	Smith & Evans	Open Channel		13057668.514000	436650.551000	Grand River	42° 41' 52.525"	-84° 36' 39.773"			
GR185	Seaway	Closed Storm Drain	12"	13056899.926000	435286.083000	Grand River	42° 41' 39.024"	-84° 36' 50.012"			
GR186	Sheffield	Closed Storm Drain	24"	13056929.840000	434962.733000	Grand River	42° 41' 35.830"	-84° 36' 49.599"			
GR187	Seaway	Closed Storm Drain	42"	13056728.630000	434500.844000	Grand River	42° 41' 31.262"	-84° 36' 52.275"			
GR188	Keller Drain	Open Channel		13055594.368000	433353.413000	Grand River	42° 41' 19.894"	-84° 37' 7.418"			
JD1	At Conrail Railroad Crossing	Closed Storm Drain	27"	13066636.071000	437211.830000	Johnson's Drain	42° 41' 58.309"	-84° 34' 39.693"			
JL1	N of Terminal Rd, E of MLK	Closed Storm Drain	18"	13070944.110000	462636.508000	Jones Lake	42° 46' 9.569"	-84° 33' 42.786"			
JL2	N of Terminal Rd, E of MLK	Closed Storm Drain	21"	13070246.886000	462026.793000	Jones Lake	42° 46' 3.530"	-84° 33' 52.115"			
JL3	N of Terminal Rd, E of MLK	Closed Storm Drain	15"	13070747.125000	461510.677000	Jones Lake	42° 45' 58.443"	-84° 33' 45.392"			
LK1	Tecumseh River and Reynolds Drain	Closed Storm Drain	24"	13066573.123000	459307.161000	Unlabeled Lake	42° 45' 36.576"	-84° 34' 41.280"			
LK2	Tecumseh River Rd and Reynolds Drain	Closed Storm Drain	24"	13066394.473000	459130.751000	Unlabeled Lake	42° 45' 34.829"	-84° 34' 43.669"			
LK3	Tecumseh River Rd N of Forest Glen St	Closed Storm Drain	12"	13066404.594000	459165.701000	Unlabeled Lake	42° 45' 35.174"	-84° 34' 43.534"			
ML1	At Aurelius Crossing	Closed Storm Drain	12"	13081160.754000	428435.167000	Mud Lake Drain	42° 40' 31.922"	-84° 31' 24.947"			
ML2	At Aurelius Crossing	Closed Storm Drain	42"	13081159.019000	428410.640000	Mud Lake Drain	42° 40' 31.680"	-84° 31' 24.969"			
ML3	Enterprise Dr Crossing	Closed Storm Drain	36"	13079997.921000	427801.244000	Mud Lake Drain	42° 40' 25.638"	-84° 31' 40.498"			
ML4	Enterprise Dr Crossing	Closed Storm Drain	42"	13080019.418000	427780.363000	Mud Lake Drain	42° 40' 25.432"	-84° 31' 40.210"			
ML5	Commerce St Crossing	Closed Storm Drain	48"	13078949.870000	427773.303000	Mud Lake Drain	42° 40' 25.342"	-84° 31' 54.528"			
ML6	Miller Road Crossing	Closed Storm Drain	27"	13078149.431000	426169.997000	Mud Lake Drain	42° 40' 9.488"	-84° 32' 5.201"			
ML7	Miller Road Crossing	Closed Storm Drain	60"	13078150.979000	426117.437000	Mud Lake Drain	42° 40' 8.969"	-84° 32' 5.179"			
ML8	Miller Road Crossing	Closed Storm Drain	24"	13078165.605000	426118.397000	Mud Lake Drain	42° 40' 8.979"	-84° 32' 4.983"			

MS4 NPDES Application; Table 1 - Lansing MS4 Outfalls

Outfall ID#	Location Description	Discharge Type	Pipe Size	Easting	Northing	Receiving	Latitude	Longitude	GPS X	GPS Y	GPX Z
ML9	S of Miller Rd	Closed Storm Drain	24"	13078303.290000	425528.508000	Mud Lake Drain	42° 40' 3.154"	-84° 32' 3.124"			
ML10	Waycross Rd Crossing	Closed Storm Drain	36"	13078465.098000	424979.507000	Mud Lake Drain	42° 39' 57.734"	-84° 32' 0.944"			
ML11	E of Cedar St Exit Ramp	Closed Storm Drain	90"	13078508.235000	424256.633000	Mud Lake Drain	42° 39' 50.594"	-84° 32' 0.347"			
ML12	E of Cedar St Exit Ramp	Closed Storm Drain	36"	13078621.060000	424073.301000	Mud Lake Drain	42° 39' 48.785"	-84° 31' 58.832"			
ML13	S of I-96	Closed Storm Drain	48"	13078518.453000	423004.811000	Mud Lake Drain	42° 39' 38.228"	-84° 32' 0.177"			
ML14	S of I-96	Closed Storm Drain	18"	13078553.039000	422690.059000	Mud Lake Drain	42° 39' 35.119"	-84° 31' 59.706"			
ML15	S of I-96	Closed Storm Drain	24"	13078547.881000	422404.178000	Mud Lake Drain	42° 39' 32.295"	-84° 31' 59.767"			
ML16	Old Mill Rd	Closed Storm Drain	42"	13078801.707000	421419.008000	Mud Lake Drain	42° 39' 22.568"	-84° 31' 56.344"			
ML17	Old Mill Rd	Closed Storm Drain	18"	13078918.548000	421144.679000	Mud Lake Drain	42° 39' 19.860"	-84° 31' 54.773"			
RC1N	Platt St	Closed Storm Drain	8"	13074405.868000	445870.848000	Red Cedar River	42° 43' 24.026"	-84° 32' 55.884"			
RC1T	E Hazel St	Closed Storm Drain	15"	13074408.651000	445797.935000	Red Cedar River	42° 43' 23.306"	-84° 32' 55.845"			
RC2	Hazel St	Closed Storm Drain	8"	13074528.043000	445792.003000	Red Cedar River	42° 43' 23.250"	-84° 32' 54.245"			
RC4	Elm St	Closed Storm Drain	20"	13074301.510000	445370.915000	Red Cedar River	42° 43' 19.086"	-84° 32' 57.268"			
RC5	Elm St	Closed Storm Drain	8"	13074413.472000	445334.395000	Red Cedar River	42° 43' 18.727"	-84° 32' 55.767"			
RC6	Platt St near E South St	Closed Storm Drain	8"	13074398.876000	444917.540000	Red Cedar River	42° 43' 14.609"	-84° 32' 55.950"			
RC7A	River St	Closed Storm Drain	48"	13074883.866000	444674.962000	Red Cedar River	42° 43' 12.223"	-84° 32' 49.446"			
RC7B	Cedar	Closed Storm Drain	54"	13075068.858700	444655.395052	Red Cedar River	42° 43' 12.034"	-84° 32' 46.967"			
RC8	E South St near S Cedar St	Closed Storm Drain	8"	13075191.414000	444690.455000	Red Cedar River	42° 43' 12.383"	-84° 32' 45.326"			
RC9	E South St at City of Lansing Maintenance Yard	Closed Storm Drain	18"	13075420.009000	444838.878000	Red Cedar River	42° 43' 13.854"	-84° 32' 42.268"			
RC10	Beech St	Closed Storm Drain	12"	13075371.081000	444999.123000	Red Cedar River	42° 43' 15.435"	-84° 32' 42.928"			
RC11	Beech St	Closed Storm Drain	15"	13075509.023000	445120.051000	Red Cedar River	42° 43' 16.633"	-84° 32' 41.083"			
RC12	Beech St S of River	Closed Storm Drain	12"	13075595.173000	445038.580000	Red Cedar River	42° 43' 15.830"	-84° 32' 39.926"			
RC13	Beech St at Elm St	Closed Storm Drain	18"	13075692.304000	445256.903000	Red Cedar River	42° 43' 17.989"	-84° 32' 38.631"			
RC13F	City Maintenance Yard E of Beech St	Closed Storm Drain	18"	13075936.509000	445145.831000	Red Cedar River	42° 43' 16.897"	-84° 32' 35.356"			
RC13J	RR E of Beech St and N of River	Closed Storm Drain	36"	13076003.169000	445223.873000	Red Cedar River	42° 43' 17.669"	-84° 32' 34.465"			
RC14	Grand Trunk Western Railroad	Closed Storm Drain	8"	13076838.356000	444582.562000	Red Cedar River	42° 43' 11.351"	-84° 32' 23.258"			
RC15	Nask-Kelvinator Drain	Closed Storm Drain	15"	13076938.123000	444203.127000	Red Cedar River	42° 43' 7.605"	-84° 32' 21.911"			
RC16	Beulah St at Fayette St	Closed Storm Drain	8"	13077130.000000	443997.000000	Red Cedar River	42° 43' 5.572"	-84° 32' 19.335"			
RC17	Beulah St at Fayette St	Closed Storm Drain	12"	13077156.204000	443967.704000	Red Cedar River	42° 43' 5.283"	-84° 32' 18.983"			
RC18	S Pennsylvania Ave at Beulah St	Closed Storm Drain	30"	13077233.059000	443981.220000	Red Cedar River	42° 43' 5.418"	-84° 32' 17.954"			
RC19	Lindbergh Dr at Pennsylvania Ave	le Barrel Closed Storm	30"	13077378.934000	443900.101000	Red Cedar River	42° 43' 4.620"	-84° 32' 15.997"			
RC20	Potter Park	Closed Storm Drain	10"	13077694.969000	443925.782000	Red Cedar River	42° 43' 4.880"	-84° 32' 11.764"			
RC20F	Potter Park	Closed Storm Drain	12"	13077857.428000	443736.687000	Red Cedar River	42° 43' 3.015"	-84° 32' 9.583"			
RC20J	Potter Park	Closed Storm Drain	6"	13077943.642000	443861.748000	Red Cedar River	42° 43' 4.252"	-84° 32' 8.431"			
RC20M	Potter Park	Closed Storm Drain	10"	13078004.759000	443835.125000	Red Cedar River	42° 43' 3.991"	-84° 32' 7.612"			
RC20P	Shubel Ave	Closed Storm Drain	21"	13078043.640000	443672.222000	Red Cedar River	42° 43' 2.382"	-84° 32' 7.086"			
RC20T	Lindbergh Dr E of Shubel Ave	Closed Storm Drain	8"	13078161.383000	443630.273000	Red Cedar River	42° 43' 1.970"	-84° 32' 5.508"			
RC21A	Potter Park	Closed Storm Drain	27"	13078401.164000	443730.159000	Red Cedar River	42° 43' 2.962"	-84° 32' 2.298"			
RC21E	Lindbergh Dr	Closed Storm Drain	10"	13078540.136000	443498.936000	Red Cedar River	42° 43' 0.680"	-84° 32' 0.430"			
RC21J	Lindbergh Dr	Closed Storm Drain	12"	13078654.348000	443460.443000	Red Cedar River	42° 43' 0.302"	-84° 31' 58.899"			
RC21M	Potter Park	Closed Storm Drain	8"	13078907.414000	443573.639000	Red Cedar River	42° 43' 1.425"	-84° 31' 55.512"			
RC22	Harding Ave	Closed Storm Drain	18"	13079084.596000	443198.654000	Red Cedar River	42° 42' 57.724"	-84° 31' 53.129"			
RC22D	Potter Park	Closed Storm Drain	8"	13079540.209000	443426.981000	Red Cedar River	42° 42' 59.989"	-84° 31' 47.031"			
RC22G	Potter Park	Closed Storm Drain	15"	13079715.000000	443468.000000	Red Cedar River	42° 43' 0.397"	-84° 31' 44.690"			
RC22J	Potter Park	Closed Storm Drain	8"	13079867.789000	443395.278000	Red Cedar River	42° 42' 59.682"	-84° 31' 42.642"			
RC25	Potter Park	Closed Storm Drain	12"	13080762.238000	443325.718000	Red Cedar River	42° 42' 59.011"	-84° 31' 30.657"			

MS4 NPDES Application; Table 1 - Lansing MS4 Outfalls

Outfall ID#	Location Description	Discharge Type	Pipe Size	Easting	Northing	Receiving	Latitude	Longitude	GPS X	GPS Y	GPX Z
RC30	Harton St	le Barrel Closed Storm	72"	13084027.704000	446129.159000	Red Cedar River	42° 43' 26.764"	-84° 30' 46.977"			
RC35	Harton St	Closed Storm Drain	72"	13084198.268000	446273.372000	Red Cedar River	42° 43' 28.191"	-84° 30' 44.695"			
RC40	Homer St	Closed Storm Drain	54"	13085008.306000	447164.361000	Red Cedar River	42° 43' 37.006"	-84° 30' 33.862"			
RC45	S Clippert St	Closed Storm Drain	54"	13085296.472000	447394.591000	Red Cedar River	42° 43' 39.286"	-84° 30' 30.006"			
RD7	At CSX Railroad	Closed Storm Drain	36"	13066865.525000	461931.887000	Reynolds Drain	42° 46' 2.511"	-84° 34' 37.448"			
RD9	Grand River Ave	Closed Storm Drain	12"	13066394.614500	460649.983957	Reynolds Drain	42° 45' 49.836"	-84° 34' 43.718"			
RD10	Grand River Ave	Closed Storm Drain	18"	13066332.165000	460436.717000	Reynolds Drain	42° 45' 47.728"	-84° 34' 44.548"			
SYC1	Pershing Ave	Closed Storm Drain	24"	13079412.009000	442559.339000	Sycamore Creek	42° 42' 51.415"	-84° 31' 48.726"			
SYC2	Mt. Hope	Closed Storm Drain	24"	13079679.707000	441616.175000	Sycamore Creek	42° 42' 42.103"	-84° 31' 45.115"			
SYC3	Pacific Ave	Closed Storm Drain	45"	13079855.089000	440640.460000	Sycamore Creek	42° 42' 32.468"	-84° 31' 42.741"			
SYC4	Lincoln Ave	Closed Storm Drain	20"	13079415.836000	439405.011000	Sycamore Creek	42° 42' 20.255"	-84° 31' 48.592"			
SYC5	Willard St	Closed Storm Drain	24"	13079747.424000	438711.340000	Sycamore Creek	42° 42' 13.409"	-84° 31' 44.133"			
SYC7	Alpha St	Closed Storm Drain	21"	13078614.192000	437301.106000	Sycamore Creek	42° 41' 59.456"	-84° 31' 59.274"			
SYC8	Holmes Drain	Open Channel		13077962.280000	436420.630000	Sycamore Creek	42° 41' 50.746"	-84° 32' 7.981"			
SYC10	Cavanaugh Rd.	Closed Storm Drain	42"	13078701.699000	433781.839000	Sycamore Creek	42° 41' 24.693"	-84° 31' 58.009"			
SYC11	Pawlowski Creek	Closed Storm Drain	24"	13079522.993000	433730.430000	Sycamore Creek	42° 41' 24.201"	-84° 31' 47.010"			
SYC11T	Contec Dr	Closed Storm Drain	24"	13080054.316000	431705.943000	Sycamore Creek	42° 41' 4.212"	-84° 31' 39.843"			
SYC12	Bear Swamp Drain	Closed Storm Drain	24"	13080714.567300	431581.749811	Sycamore Creek	42° 41' 2.997"	-84° 31' 31.000"			
SYC12N	Aurelius Rd N of Sycamore Creek	Closed Storm Drain	24"	13081211.000000	431673.000000	Sycamore Creek	42° 41' 3.908"	-84° 31' 24.355"			
SYC13	Jolly Road	Closed Storm Drain	30"	13081774.208000	431158.975000	Sycamore Creek	42° 40' 58.840"	-84° 31' 16.801"			