Revised 11-17-09, 1-7-10

City of North Ridgeville
STORM WATER STORAGE BASIN INVENTORY
(CONSTRUCTED PRIOR TO 2010)

Water quality treatment provided unless noted otherwise.

Location	Project
34640 Center Ridge Rd. near Denise Dr.	**Advance Auto Parts.** Wetland area of 2.23 acres to be donated to city. Extended detention water quality basin at northeast corner of 7.06 acre site with one-inch dia. water quality orifice inv. 712.33, six-inch dia. design storm rectangular orifice inv. 713.50, 2-2 CB window overflow elev. 715.52. Basin discharge to Denise Dr. storm sewer.
Off Case Road (includes Avalon Dr. and Weatherstone Drive)	**Avalon Estates Subdivision No. 1.** Water quality treatment not provided. Detention basin outlet structure = 6' x 4' box culvert at north end of basin invs. 684.22/684.15. Eight-foot wide ditch meanders through. Top/bank 692.0. 50-yr. storm elev. 689.51. Reinforced concrete weir wall located in basin south of Avalon Dr. Weir inv. 684.08. Top/weir 692.50.
South of Avalon Estates No. 1 (includes Weatherstone Dr., Park Tr., Springdale Dr., Windsor Dr., Ravenway Dr. and Millenium Ct.)	**Avalon Estates Subdivision No. 2.** Storm water directed to Avalon Estates Subdivision No. 1 detention basin.
Off Island Rd. on east side (includes Braemore Dr. and Kenmore Way)	**Braemore Subdivision.** Retention basins located on north side of Braemore Dr. West retention basin normal water elev. 774.50. Top/bank 779.0. Bottom/basin 767.0. Outlet structure water quality orifice 1.25-inch dia. inv. 774.50, design storm 27" dia. orifice inv. 775.23 to 30" dia. pipe to existing ditch. East retention basin normal water elev. 775.0. Top/bank 780.0. Bottom/basin 767.0. Outlet structure water quality orifice 3.5-inch dia. inv. 775.0, design storm 27" dia. orifice inv. 775.36 to 30" dia. pipe to existing ditch.
Off Lorain Road east of Island Road (includes Plantation Place and Walnut Court)	**Butternut Grove Subdivision Phase 1.** Twin retention basin located south of Plantation Place. Normal water elev. 772.0. Outlet structure located at west end of basin near Island Road with a weir top elev. 772.50 with two four-inch dia. water quality orifices at inv. 772.0 located inside the 15" dia. outlet pipe. Twelve-inch dia. inlet provided for design storm control at inv. 772.0. Bottom/basin 757.0/766.0. Top/bank 775.0.
South of Butternut Grove 1 (includes Hardwood Dr., Ridgeview Ct., Plantation Place and Buttercup Ct.)	**Butternut Grove Subdivision Phase 2.** Storm water storage provided in Butternut Grove 1 retention basin.

Location	Project
South of Mills Rd. between Avon Belden Rd. and Jaycox Rd. (includes Westminster Ave. and Greenwich Ave.)	**Canterbury Village (Muirwood Village).** Water quality treatment not provided. V-shaped detention swale along north and south property lines. Swale 48 to 50 feet wide at top of bank. Swale depth varies from 2 to 7 feet. Swale flows to French Creek. Outlet structures not shown on plan. French Creek widened to 75 feet at top of bank and 14-foot wide bottom with 5:1 bank slopes.
South of Chestnut Ridge Rd. and east of Root Rd. (includes Rachel Lane and Halle Circle)	**Chestnut Grove Subdivision.** Water quality treatment not provided. Detention basin on southeast corner of Chestnut Ridge and Root Rd. Outlet = 21" dia. storm sewer inv. 745.75 on west side of basin which flows to existing ditch on Root Rd. Emergency overflow elev. approx. 748. Top/bank 750. Bottom/basin approx. 746. City maintained. Detention basin on east side of Root Rd. and north of S.R. 10. Plans not located. City maintained.
North of Center Ridge Rd. and East of Stoney Ridge Rd. (includes Savannah Circle, Chapel Lane and Cottage Circle)	**The Cottages at Savannah.** Detention basin at north end of Cottage Circle. Water quality treatment not provided. Outlet structure at west end of basin = concrete chamber with 18" by 18" square opening (steel grate over opening) inv. 710.0 which flows to a 42" dia. storm sewer to Stoney Ridge Rd. storm sewer system. Emergency overflow elev. 719.10. Top/bank 719. Bottom/basin approx. 710.
East of Lear Nagel Rd. and north of I-480 (includes Cypress Ave., Glen Dr. and Nations Circle)	**Cypress Subdivision.** Water quality treatment not provided. Detention Basin A located on south side of Cypress Ave. Outlet structure located at north end of basin adjacent to Mills Creek = six-inch dia. orifice inv. 751.25 and V-shaped Weir #1 (reinforced concrete wall) inv. 752.25 (top of weir 756.0) and flows to Mills Creek. Weir #2 (reinforced concrete wall) located downstream just prior to Cypress Ave. crossing with ?? width inv. 749.0 and rectangular opening 18" high by eleven feet wide inv. 750.0 (top of weir 753.0). Top/bank approx. 757. Bottom/basin 752.0. Detention Basin B located on north side of Cypress Ave. adjacent to Chestnut Ridge Rd. Outlet structure at west end of basin = 48" dia. storm sewer inv. 749.25 which flows south through a 48-inch diameter storm sewer to Mills Creek
North of Bagley Rd. and south of Lorain Rd. and Railroad (includes Depot St., Chesapeake Dr., Burlington Dr., Pennsylvania Dr. and Reading Way)	**Cypress Station Subdivision.** Retention Basin 1 (water quality pond) located north of end of Chesapeake Dr. normal water elev. 771.0. Outlet structure at northeast end of basin = 2-2B catch basin with 3.5-inch dia. orifice inv. 771.0 (with reverse flow pipe with 90-deg. elbow) and 15" dia. orifice inv. 772.0 to 18" dia. storm to existing ditch. Top/bank 776.5. Bottom/basin 760.0. Emergency overflow 775.5. Retention Basin 2 located north of Reading Way normal water elev. 772.50. Outlet structure = 24" dia. storm sewer at northwest end of basin inv. 772.5 to Retention Basin 1. Top/bank 777.5. Bottom/basin 762.0. Emergency overflow 776.5. Retention Basin 3 located between Burlington Dr. and Depot St. normal water elev. 775.0. Outlet structure at south end of basin = 12" dia. storm

Location	Project
	sewer inv. 775.0 which flows to Retention Basin 2. Top/bank 780. Bottom/basin 764.0. Emergency overflow 779.2. Detention Basin 4 (water quality pond) located at southwest corner of site behind Chesapeake Dr. Outlet structure at south end of basin = 2-2B catch basin with one-inch dia. orifice inv. 775.25 (with reverse flow pipe with 90-deg. elbow) and 15" dia. orifice 776.65 which flows to 12" dia. storm sewer under Bagley Rd. Top/bank 781.5. Bottom/basin 775.25. Emergency overflow 780.5. Detention Basin 5 (water quality pond) located located north of Pennsylvania Dr. Outlet structure at west end of basin = 2-2B catch basin with 1.5-inch dia. orifice inv. 771.50 (with reverse flow pipe with 90-deg. elbow) and 10" dia. orifice inv. 773.20 which flows to existing ditch. Top/bank 777.5. Bottom/basin 771.5. Emergency overflow 776.55. Retention Basin 6 located south of Reading Way between Depot St. and Chesapeake Dr. normal water elev. 774.0. Outlet structure at north end of basin = 12" dia. storm sewer inv. 774.0 which flows to Retention Basin 2. Top/bank approx. 777.5. Bottom/basin 763.0. Emergency overflow 777.36.
North of Lorain Rd. between Island Rd. and Root Rd. (includes Deer Run Dr., Antlers Trail, Honeycut Dr., Little Flower Circle, Deerfield Meadows and Hamker Court)	**Deerfield Subdivision.** Detention basin at end of Deer Run Drive and north of Antlers Trail. Water quality treatment not provided. Outlet structure = 30" dia. storm sewer at east end of basin inv. 752.60 which flows east to existing ditch. Top/bank 760.0. Bottom/basin 752.60.
On east and west side of Dyke Ave. south of Simon Street (paper street).	**Dyke Avenue Vegetated Swale Basins**. West basin 13' x 61' at bottom of bank. East basin 20' x 58' at bottom of bank. Water quality elevation = one foot above bottom of basin. Four-inch underdrain in 27" deep gravel bed below basin. Seven inch deep loamy soil planting mix on bottom of basin above gravel bed. Basin bank side slopes 3:1. Outlet structures drain to 15" storm sewers on Dyke Ave. and then to north. West outlet 2' x 2' catch basin rim 713.37, invert 711.11. East outlet 2' x 2' catch basin rim 713.35, invert 711.38. City Maintained.
Off Meadow Lakes Blvd. near Center Ridge Road	**Eagle Lake Condominiums**, Retention basin outlet structure at north end of Pond 5 with 4.5" water quality orifice inv. 711.50, 12" design storm orifice inv. 712.20, and a rim overflow elevation of 714.50. Retention Pond 6 flows to Pond 5 via double 48" dia. culverts under Eagle Lake Drive A.
36100 Center Ridge Rd.	**Enger Automotive (Goodyear).** Dry extended detention basin with 4,885 cf storage with 2.25 inch dia. water quality orifice inside conc. box outlet structure at northwest corner of basin. Orifice inv. 721.75. Outlet to 12-inch pipe to rigid lip level spreader to spread flow to north. Weir elev. 723.1 Sediment storage provided = 550 cf, dewatering storage provided = 2329 cf.
West of Reed Rd. (includes Brian St., Katherine St., Gregory Ave., Donna St. and Shelly Ave.)	**Fields Corners Subdivision No. 3.** Water quality treatment not provided. Detention Basin west of Brian St. Outlet structure = 48" dia. pipe on west side of basin inv. 777.6 flows to existing ditch. City to maintain after property transfer.
Off Lorain Rd. (south side) east of storage buildings.	**Fields Store Storage Building Detention Basin.** Plans not located. Includes concrete paved channel through basin.
38819 Taylor Parkway	**Frito-Lay Bldg., (MMCA / Nick Abraham)**. East detention basin six-inch dia. orifice inv. 728.79 in CB at north end of basin, rim elev. 731.57. West detention basin six-inch dia. orifice inv. 729.65 in CB at north end of basin, rim elev. 731.74. Both basins outlet to Taylor Parkway storm sewer system.

Location	Project
Schoolhouse Lane (located off Jaycox Rd.)	**Gardner Estates Subdivision.** Retention basin near Jaycox Rd. Normal water elev. 693.51. Top/bank 696. Bottom/basin 690. Outlet through 24" dia. pipe to outlet structure manhole at northeast corner of basin. Four-inch dia. orifice inv. 690.36 in standpipe in manhole which flows to 30" dia. storm sewer to Jaycox Rd. east roadside ditch. Storm water must back up into basin.
Off Avon Belden Rd. north of Mildred St. (includes Atlantic Ave. and Harbor Dr.)	**Hampton Place Subdivision Phase 1**, Avon Belden Road, Slater ditch watershed (west) 10.5 acres + 2.1 acres offsite. Avon Belden Road watershed (east) 7 acres + 1.6 acres offsite. Avon Belden Rd. water quality retention basins 1, 2 and 3 are designed for 10-year storm and connected in series. Slater ditch extended detention basins 4, 5 and 6 have no design year. Half-round CMP hoods provided for protection of water quality orifices. Basin 1 max. storage approx. 13,000 cu. ft. Outlet structure: 1.5 inch inv. 700.00, 15-inch inv. 700.25. Basin 2 max. storage approx. 9,000 cu. ft. Outlet structure: one-inch inv. 702.00, 15-inch inv. 702.12. Basin 3 max. storage approx. 29,000 cu. ft. Outlet structure: two-inch inv. 702.50, 18-inch inv. 702.61. Basin 4 max. storage approx. 8,500 cu. ft. Outlet structure: one-inch inv. 704.00, 12-inch inv. 705.15. Basin 5 max. storage approx. 5,000 cu. ft. Outlet structure: one-inch inv. 703.00, two 18-inch inv. 704.55. Basin 6 max. storage approx. 8,200-+ cu. ft. Outlet structure: one-inch inv. 702.50, two nine-inch by 12-inch rect. inv. 702.80.
East off Jaycox Rd. between Deborah Dr. and Highland Dr.	**Heatherwood Estates (Shawn Drive).** In-line detention basins located along rear property lines of homes on the south and north side of Shawn Dr. and south of Robert Ct. Basins drain to Culvert Ditch Main Branch. South basins bottom 10' wide with 5:1 or 10:1 bank slope and approx. 2 to 3 feet deep. North basins 2' wide with 8:1 bank slope and approx. 2 to 3 feet deep. North swale includes six-inch underdrains adjacent to Culvert Ditch Main Branch approx. inv. 1.5 feet below swale flow line. City maintained.
West of Jaycox Rd. and south of Chaucer Dr. (includes Jason Dr., Amanda Ct. and Diana Pl.)	**Homestead Vineyards II (aka CEI Detention Basins).** Water quality treatment not provided. City maintained. Detention Basin 1 located west of Manning St. in CEI easement. In line with French Creek and no outlet structure provided. Top/bank 696.0. Bottom/basin 689.47. Detention Basin 2 located west of Manning St. and south of CEI easement. In line with French Creek and no outlet structure provided. Top/bank 697.0. Bottom/basin 691.0. Detention Basin 3 located east of Manning St. in CEI easement. Outlet structure at west end of basin = 24" dia. storm sewer inv. 689.98 to Basin 1. Top/bank 698.0. Bottom/basin 689.98.
West of Jaycox Rd. and south	**Homestead Vineyards V (aka CEI Detention Basins).** Water quality

Location	Project
of Sullivan Dr. (includes Sullivan Dr., Grace Circle and Chaucer Dr. extension)	treatment not provided. City maintained. Detention Basin 1 south of Sullivan Dr. near Grace Circle. Outlet structure at west end of basin = 24" dia. storm sewer inv. 693.05 to Basin 2. Top/bank 699.0. Bottom/basin 693.05. Detention Basin 2 south of Chaucer Dr. and west of Basin 1. Outlet structure at west end of basin = 30" dia. storm sewer inv. 691.50 to Homestead Vineyards II Basin 3. Top/bank 699.0. Bottom/basin 691.50.
36700 Sugar Ridge Rd.	**Kalt Manufacturing.** 36700 Sugar Ridge Rd. Wet extended retention basin with 13,986 c.f. storage at 100-year elev. 734.50. Outlet structure = 2-2B CB with 15" tee and 1-1/2" dia. water quality orifice inv. 731.50 and eight-inch dia. design storm orifice inv. 731.9. Water quality volume – 4857 c.f. and sediment storage = 971 c.f.
North of Bainbridge Rd. and east of Root Rd. (includes Kenssington Dr. and York Crescent)	**Kenssington Subdivision.** Water quality treatment not provided. Retention basin located east of York Crescent on city property. Normal water elev. 727.73. Outlet structure on west bank = concrete box chamber (with sump) with 24" dia. storm sewer inv. 727.73. Outlet storm sewer flows west to 27" dia. storm sewer under York Crescent. City maintained.
NE corner of Lorain Rd. and Lear Rd.	**Kindercare Learning Center, 7171 Lear Rd.** Detention basin 1 located on east side of site. Outlet structure at southwest corner of basin with rim elev. 759.25, perforated six-inch dia. riser pipe and one-inch dia. water quality orifice inv. 757.50, and flows through 12-inch storm sewer west to Lear Rd. roadside ditch. Invert at ditch 755.08. Detention basin 2 located at northwest corner of site. Outlet structure at northwest corner of basin with rim elev. 757.40, perforated six-inch dia. riser pipe and one-inch dia. water quality orifice inv. 753.75, and flows through 12-inch storm sewer west to Lear Rd. roadside ditch. Invert at ditch 753.67.
32528 Lorain Rd.	**McDonald's Restaurant Remodel**, Redevelopment and expansion of site. Relocated dry extended detention basin located at north end of site. Outlet structure at northeast corner of basin with one-inch dia. water quality orifice inv. 756.75 and five-inch diameter design storm inv. 757.75 located in trap of 18-inch dia. storm sewer outlet pipe. McDonald's Corp. (via restaurant operator) to provide annual basin inspection reports prepared by a registered engineer to the City Engineering Dept.
East of Case Rd. and north of Barres Rd. (includes Misty Meadow Trail, Country Meadow Way, Sun Meadow Court, Fountain Circle, Rain Tree Circle, Autumn Lane and Lavender Court)	**Meadow Lakes Subdivision No. 1**. Water quality treatment not provided. Retention Basin No. 1 (located behind Fountain Circle, Sun Meadow Court, Misty Meadow Trail and Country Meadow Way). Normal water elev. 693.50. Various inlet pipes at inv. 693.50. Outlet structure = 12' x 4' box culvert under Country Meadow Way invs. 693.50/693.18. Top/bank 697.0. Bottom/basin 687.0. Retention Basin No. 2 (located behind Rain Tree Circle and Lavender Court). Normal water elev. 691.0. Various inlet pipes at inv. above normal water. Outlet structure = 4' x 4' box culvert under Country Meadow Way invs. 691.00/690.50. Top/bank 698.0. Bottom/basin 686.0.
North of Barres Rd. and east of Meadow Lakes Subd. No. 1 (includes Meadow Lakes Blvd., Stoney Lake Dr., Pebble Lake	**Meadow Lakes Subdivision No. 2**. Water quality treatment not provided. Retention basin located behind Meadow Lakes Blvd. and Pebble Lake Trail near their intersection. Normal water elev. 695.00. Various inlet pipes at inv. above normal water. Outlet structure = 54" dia. pipe culvert under

Location	Project
Trail, Deer Lake Drive, Otten Rd., Timber Lake Trail, Mallard Way and Barres Rd.	Meadow Lakes Blvd. invs. 695.00/694.20 and flows to M. Lakes Subd. No. 1 retention basin no. 2. Top/bank 700. Bottom/basin 692.
South of Barres Rd. near Stoney Ridge Rd. (includes Meadow Lakes Blvd., Overlook Way and E. Breezeway Drive)	**Meadow Lakes Subdivision No. 3**. Water quality treatment not provided. North Retention Basin (at Meadow Lakes Blvd. / Barres Rd. intersection). Normal water elev. 707.50. Various inlet pipes at inv. above normal water. Outlet structure = 36" dia. pipe culvert under E. Breezeway Dr. inv. 707.50 and flows to South Retention Basin. Top/bank 712. Bottom/basin 700.0. South Retention Basin (along east side of M. Lakes Blvd.). Normal water elev. 707.50. Various inlet pipes at inv. above normal water. Outlet structure = 6' x 3' box culvert under Meadow Lakes Blvd. invs. 707.50/707.27 and flows to west. Top/bank 712. Bottom/basin 700.0
South of Barres Rd. and west of Meadow Lakes Blvd. (includes West and East Breezeway Drives, Overlook Way and Meadow Lakes Blvd.)	**Meadow Lakes Subdivision No. 4**. No storm water storage provided but flows through Meyers Ditch to Retention Basin No. 1 in M. Lakes Subdivision No. 1.
South of Meadow Lakes Subd. Nos. 3 and 4 (includes Meadow Lakes Blvd. and W. Breezeway Drive)	**Meadow Lakes Subdivision No. 5**. Water quality treatment not provided. Retention basin located on east side of Meadow Lakes Blvd. Normal water elev. 707.50. Various inlet pipes at inv. above normal water. Outlet structure = twin 30" dia. pipe culverts under Overlook Way invs. 707.50 and flows to north. Top/bank 712. Bottom/basin 700.0
North of Meadow Lakes Subd. No. 2 (includes Otten Rd., Pelican Lake Drive, Vista Lake Way, Springwood Court and Edge Meadow Court)	**Meadow Lakes Subdivision No. 6**. Water quality treatment not provided. Retention basin located on north side of intersection of M. Lakes Blvd. and Pelican Lake Drive. Normal water elev. 693.80. 36" dia. pipe inlet inv. 694.0. 12" dia. pipe inlet inv. 695.5. Outlet structure = ODOT 2-3 CB with 15" dia. inv. 693.80 to 27" dia. pipe, rectangular orifice inv. 696.50 and overflow rim 698.90. Outflow to M. Lakes No. 1 Retention Basin No. 2. Top/bank 699. Bottom/basin 684.0.
South of Meadow Lakes Subd. No. 3 and east of Meadow Lakes Blvd. (includes Greenview Trail)	**Meadow Lakes Subdivision No. 7**. Storm water storage provided in Meadow Lakes No. 5 Retention Basin.
South of Meadow Lakes Subd. No. 4 (includes Meadow Lakes Blvd., Freedom Ave., Tail Feather Dr. and Sandy Ridge Dr.)	**Meadow Lakes Subdivision No. 8**. Retention Basin No. 1 (located between Tail Feather Drive and Golden Eagle Drive). Normal water elev. 710.05. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-3 CB at west end of pond with two one-inch dia. water quality orifice invs. 710.05, 14" dia. orifice inv. 710.70 and rim overflow elev. 713.50. Outflow to Retention Basin No. 2. Top/bank 714.0. Bottom/basin 699.0. Retention Basin No. 2 (located between M. Lakes Blvd. and Sandy Ridge Dr.). Normal water elev. 708.0. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-5 CB at north end of pond with two-inch dia. water quality orifice inv. 708.0, three 36" dia. orifice inv. 708.50 and rim overflow elev. 712.50. Top/bank 714.0. Bottom/basin 699.0. Outflow to 42-inch dia. pipe under Sandy Ridge Dr. to M. Lakes Subd. No. 5 Retention Basin.

Location	Project
	Retention Basin No. 3 (located west of M. Lakes Blvd. and Majestic Dr.). Normal water elev. 708.78. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-4 CB at east side of pond with two-inch dia. water quality orifice inv. 708.78, 24" dia. orifice inv. 709.25 and rim overflow elev. 712.78. Top/bank 713.75. Bottom/basin 698.0. Outflow to 36-inch dia. pipe under Meadow Lakes Blvd. to Retention Basin No. 2. Retention Basin No. 4 (located east of M. Lakes Blvd. south of Basin No. 2). Normal water elev. 708.50. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-5 CB at north end of pond with two-inch dia. water quality orifice inv. 708.50, 34" dia. orifice inv. 709.00 and rim overflow elev. 713.00. Top/bank 714.0. Bottom/basin 699.0. Outflow to 42-inch dia. pipe to Retention Basin No. 2. Retention Basin No. 7 (located on west side of M. Lakes Blvd. across from Soaring Court). Normal water elev. 710.50. Outlet structure = ODOT 2-3 CB at north end of pond with two-inch dia. water quality orifice inv. 710.50, 12" dia. orifice inv. 711.00 and rim overflow elev. 713.00. Top/bank 714.0. Bottom/basin 700.0. Outflow to 24-inch dia. pipe under M. Lakes Blvd. to Retention Basin No. 4.
North of Center Ridge Rd. and west of Meadow Lakes Blvd. (includes Majestic Dr. and Wildlife Trail)	**Meadow Lakes Subdivision No. 9**. Retention Basin No. 1 (located on the west side of Majestic Drive south of Wildlife Trail). Normal water elev. 710.0. Various inlet invs. at normal water elev. Outlet structure = ODOT 2-4 CB at north end of pond with two-inch dia. water quality orifice inv. 710.0, 27" dia. inv. 710.50 and rim overflow elev. 714.0. Top/bank 714.0. Bottom/basin 704.0. Outflow to 36-inch dia. pipe under Wildlife Trail to Retention Basin No. 2. Retention Basin No. 2 (located on the west side of Majestic Drive north of Wildlife Trail). Normal water elev. 709.53. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-4 CB at north end of pond with one-inch dia. water quality orifice inv. 709.53, 30" dia. orifice inv. 710.0 and rim overflow elev. 713.53. Top/bank 714.20. Bottom/basin 704.0. Outflow to 36-inch dia. pipe under Hunter Lake Drive to Retention Basin No. 3 in M. Lakes Subd. No. 8.
North of Center Ridge Rd. and east of Meadow Lakes Blvd. (includes Soaring Court, Amber Way, High Perch Dr., Talon Way and Tail Feather Dr.)	**Meadow Lakes Subdivision No. 10**. Retention Basin No. 1 (located east of Tail Feather Drive and north of Hunter Lake Drive). Normal water elev. 709.10. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-4 CB at north end of pond with one-inch water quality orifice inv. 709.10, 12" dia. orifice inv. 709.50 and rim overflow elev. 712.60. Top/bank 713.0. Bottom/basin 693.0. Outflow to 30-inch dia. pipe under Tail Feather Drive to Retention Basin No. 2 in M. Lakes Subd. No. 8. Retention Basin No. 2 (located at east end of Tail Feather Drive). Normal water elev. 708.90. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-4 CB at east side of pond with two-inch dia. water quality orifice inv. 708.90, 30" dia. orifice inv. 709.30 and rim overflow elev. 712.90. Top/bank 713.0. Bottom/basin 693.0. Outflow to 36-inch dia. pipe to Retention Basin No. 4.

Location	Project
	Retention Basin No. 3 (located between Tail Feather Drive and High Perch Drive). Normal water elev. 709.50. Various inlet invs. above normal water elev. Outlet structure = ODOT 2-4 CB at west side of pond with one-inch dia. water quality orifice inv. 709.50, 12" dia. orifice inv. 710.0 and rim overflow elev. 712.75. Top/bank 713.0. Bottom/basin 693.0. Outflow to 24-inch dia. pipe to Retention Basin No. 4 in M. Lakes Subd. No. 8. Retention Basin No. 4 (located east of Retention Basin No. 2). Normal water elev. 708.00. Inlet inv. 708.00. Outlet structure = ODOT 2-5 CB at east end of pond with two-inch dia. water quality orifice inv. 708.00, three 12" x 18" rect. orifice invs. elev. 708.50 and rim overflow elev. 712.50. Top/bank 713.0. Bottom/basin 693.0. Outflow to 42-inch dia. pipe to existing ditch. Retention Basin No. 5 (located on the northeast corner of the intersection of Talon Way and High Perch Drive). Normal water elev. 708.00. Inlet inv. 708.00. Outflow/outlet structure = 36?-inch dia. pipe to Retention Basin No. 4. Top/bank 713.0. Bottom/basin 702? Retention Basin No. 6 (located south of Retention Basin No. 5). Normal water elev. 708.50. Inlet inv. 708.50. Outlet structure = ODOT 2-4 CB at north end of pond with two-inch dia. water quality orifice inv. 708.50, 12" dia. orifice inv. 709.00 and rim overflow elev. 712.0. Top/bank 713.0. Bottom/basin 700.0. Outflow to 30-inch dia. pipe to Retention Basin No. 5.
Off Stoney Ridge Dr. north of Schaefer Dr.	**Meadow Lakes Subdivision No. 11A**, water quality treatment not provided. Storm water to discharge to existing pond number 1 in Subdivision No. 8 (which has water quality treatment). Pond number 1 to be expanded in Subdivision No. 11.
East side of Mills Industrial Parkway	**Mills Rd. Industrial Parkway Storage Units (Keith Jones)**, PPN 07-00-018-101-214 on Mills Industrial Pkwy., three detention basins (two of which are extended detention). Basins at front of property outlet through a 12-inch dia. storm sewer to an outlet structure catch basin 2-2 with a one-inch dia. water quality orifice inv. 695.26 and a 3.5 inch dia. design storm orifice inv. 696.68 which flow to a 12-inch dia. storm sewer to the Mills Rd. Ind. Pkwy. storm sewer system. Rear basin outlets to a 12-inch dia. storm sewer to an outlet structure catch basin 2-2 with a one-inch dia. water quality orifce inv. 695.20 and a two inch dia. design storm orifice inv. 696.46 which flow to a 12-inch dia. storm sewer to Falkner Ditch Main Branch.
Behind shopping center at 34800 Center Ridge Rd.	**North Ridge Plaza (Marc's) Detention Basin.** Water quality treatment not provided. Detention basin 80' x 650' x 5.5' deep outlet = 12" dia. storm sewer inv. 707.00 which flows to northwest corner of site to 24" dia. storm sewer to north. As of July 2008, basin is not being maintained by the property owner or city.
West of Avon Belden Rd. and south of Mills Rd. (includes private streets Westminster Rd. and Bridgeport Dr.)	**Northborough.** Retention Basin north of Westminster Rd. normal water elev. 692.5 and flows to detention basin. Detention Basin parallel and south of Mills Rd. ditch. Outlet structure 1 (east) = one-inch dia. orifice inv. 691.25, 10" dia. orifice and 15" dia. orifice. Outlet structure 2 (next west) = one-inch dia. orifice inv. 692.0, 10" dia. orifice and 15" dia. orifice. Outlet structure 3 (next west) = one-inch dia. orifice inv. 692.0, 8" dia. orifice and 15" dia. orifice. Outlet structure 4

Location	Project
	(next west) = one-inch dia. orifice inv. 692.0, 8" dia. orifice and 15" dia. orifice. Basin outlets flow to Mills Rd. ditch.
East of Bender Road and Saw Mill Drive (includes Grist Mill Drive, Drury Way, Norwich Place, Kingsbury Drive, Revere Drive, Saw Mill Drive, Kingsbury Drive, Westcott Way, Asbury Lane, Chatham Circle, Harvard Drive, Princeton Drive, Berkshire Court, Unionville Drive, Dakota Drive and Reddington Drive)	**Pioneer Ridge Phases 1, 2, 3, 4 and 5.** Storm water storage provided downstream in Waterbury Subdivision and expanded ditch cross section.
West side of Pitts Blvd. and north of the Board of Education property	**Pitts Blvd. Detention Basin**. Plans not located. Water quality treatment not provided. Basin is in line with Robinson Ditch. City maintained.
34139 Center Ridge Road (behind shopping center and west of Debbie Drive)	**Providence Shopping Center Detention Basin.** Water quality treatment not provided. Basin in-line with Robinson Ditch. Outlet structure located at southwest corner of basin = 15" dia. pipe inv. ?? which flows to a 36" dia. pipe which outlets into Robinson Ditch. Outlet structure rim elev. 726.5.
East of Race Rd. and south of Ohio Turnpike and north of railroad	**Race Road Retention Basin.** Normal water elev. 722.3. Outlet structure located at west end of basin in 2-3 catch basin with seven-inch dia. orifice inv. 722.3 and three 20" dia. orifice inv. 723.4 which flows through 30" dia. storm sewer to existing ditch. Top/bank 729.0. Bottom/basin 717.0.
West side of Race Road	**Race Road Storage Units** (Azac Properties, Ltd.), 7410 Race Rd., 11,730 cu. Ft. extended detention water quality volume in basin for 5.61 acre watershed. Detention basin outlet structure is a double chamber which has a 1.5" orifice on the wall between chambers at elevation 718.00, a design storm 6" orifice at elevation 720.71 and a rim overflow elevation of 725.00.
Located off Bagley Rd. (includes Gatestone Rd., Gatewood Dr., Woodspring Circle, Woodstone Circle, Woodhaven Circle, Hidden Hollow Court, Pineview Circle and Glenwood Court)	**Ridgefield Phase 2.** Water quality treatment not provided. Riser pipes were for temporary sediment control. Detention Basin A located west of Gatewood Dr. near Woodstone Circle. Top/bank 780.0. Bottom/basin 772.0. Outlet structure = 18" dia. pipe at northwest corner of basin inv. 772.17 which flows to ditch along west property line. Spillway elev. 778.0. Basin includes a concrete-filled geoweb-lined channel. Detention Basin B located south of Gatewood Dr. and west of Gatestone Rd. Top/bank 782.0. Bottom/basin 776.5. Outlet structure = 42" dia. pipe at northwest corner of basin inv. 776.50 which flows to ditch along west property line. Spillway elev. 781.0. Basin includes a concrete-filled geoweb- lined channel.
Off Bagley Rd. and east of Gatestone Rd. (includes Bridgestone Dr., Mallard Circle, Mosswood Circle and Timber Edge Drive)	**Ridgefield Phase 4.** Detention basins located north of Bridgestone Drive. Top/bank approx. 785. Bottom/basin approx. 779/780. Basins include a concrete-lined channel and flow to west. Detention Basin 1 located east of Timber Edge Drive outlet structure = 12" underdrain inv. 777.23 and 12" dia. culvert inv. 782.0 under Timber Edge Drive. Detention Basin 2 located between Mosswood Cir. And Timber Edge Dr.

Location	Project
	outlet structure = 12” underdrain inv. 776.82 and 12” dia. culvert inv. 782.0 under Mosswood Circle. 12” underdrain includes eight-inch dia. orifice on west side of Mosswood. Detention Basin 3 located between Mosswood Cir. And Mallard Cir. outlet structure = 12” underdrain inv. 776.41 and 15” dia. culvert inv. 782.0 under Mallard Circle. 12” underdrain includes eight-inch dia. orifice on west side of Mallard Circle. Detention Basin 4 located west of Mallard Circle outlet structure = catch basin at west end of pond to 30-inch dia. storm sewer to west.
	Ridgefield Phase 4/5. Detention Basin C located east of Gatestone Rd. and north of Longbrook Dr. Plans not located.
East of Root Rd. and South of Bagley Rd. (includes Longbrook Dr., Rock Creek Circle, Pebble Brook Ln. and When Haven Court)	**Ridgefield Phase 9.** Detention Basin D located south of Pebble Brook Ln. Top/bank 789.0. Bottom/basin 780. Outlet structure = 15” dia. culvert under Longbrook Dr. invs. 779.45/779.34 which flows to Detention Basin C east of Longbrook Dr. Basin includes a concrete channel at 0.09 percent at the flow line.
On east side of Root Rd. (includes Meadows Edge Ln., Next Haven Way, Quail Court and Gatestone Rd.)	**Ridgefield Phase 10.** Detention Basin E located east of Root Rd. and south of Meadows Edge Ln. top/bank 791.0. Bottom/basin approx. 787. Outlet structure = eight-inch dia. orifice inv. 787.64 to 12” dia. culvert under Root Rd. to existing roadside ditch on west side of Root Rd.
South side of Center Ridge Road just west of Jaycox Rd.	**Ridgeville Center Outlot Commercial Building**, PPN 07-00-021-119-131 Center Ridge Road. Detention Basin located at rear of property, 2 year critical storm, 100 year water surface elev. 729.98, outlet structure on west side rim elev. 730.0, 5-5/8” orifice inv. elev. 726.87, 6” window elev. 728.75 discharges to 12” storm sewer to 18” storm sewer on Akin property to west. Water quality treatment not provided since property less than one acre.
Behind shopping center at 34273 Center Ridge Rd.	**Rini Realty Co. Shopping Center Detention Basin.** Plans not located. Water quality treatment not provided. City maintained.
Off Center Ridge Road east of Case Road (includes Fowlers Run, Song Bird Lane, Quails Nest Lane and Warbler Lane)	**Sandy Ridge Subdivision.** Retention basin on west side of site. Normal water elev. 706.0. Bottom/basin 696.0. Top/bank 711.0. Outlet structure at northwest corner of pond = 4.25-inch dia. water quality orifice invs. 706.0, 30” dia. design storm orifice inv. 707.0 to 36”dia. storm sewer to ditch. Emergency spillway elev. 710.0.
South of Lorain Rd.and west of Bliss Parkway	**Sports Zone Roadway (Victory Lane).** Two water quality retention basins. City Maintained. Water Quality Pond No. 1 located on southwest corner of intersection of Lorain and Victory. Outlet structure on north side of basin with 1 inch dia. orifice inv. 768.0, rim elev. 771.50, which flows north and then west through 12-inch dia. storm sewer to curb inlet on Lorain Road. Emergency spillway elev. 772.0. Basin volume 6,549 cf for water quality at elev. 771.20. Water Quality Pond No. 2 located on west side of site. Outlet structure at northwest corner of basin with four-inch dia. orifice inv. 762.5, rim elev. 767.75, which flows to 24-inch dia. storm sewer to northwest to existing 30-inch dia. storm sewer. Window elev. 766.20. Emegency spillway elev. 770.0. Basin volume 103,072 cf at water quality elev. 766.0.
Off Stoney Ridge Road (includes Stone Creek Drive and Pebble Court (south))	**Stone Creek Estates Subdivision No. 1.** Retention basins on south side of Stone Creek Drive. Water quality treatment not provided. Normal water elev. 707.00. Bottom/basin elev. 689.0. Outlet = 24” dia. pipe at east end of

Location	Project
	ponds to Lickorish Ditch. Outlet pipe invs. 707.00/706.95. Emergency spillway 30 feet wide at elev. 710.00.
Off Stoney Ridge Road and north of Stone Creek Drive (includes Sugar Creek Lane, Pebble Court (north) and Granite Lane)	**Stone Creek Estates Subdivision No. 2 and 3.** Water quality treatment not provided. West retention basin (on Villas of Stone Creek Ph. 2 property) normal water elev. 709.50. Outlet = 24" dia. pipe to north inlet inv. 709.50. Top/bank 712.75. Bottom/basin elev. 697.00. Emergency spillway elev. 712.00. East retention basin normal water elev. 708.00. Outlet = 30" dia. pipe at south end of pond and 24" dia. pipe at north end of pond to Lickorish Ditch. Top/bank 712.00 Bottom/basin elev. 700.00.
South of Lorain Rd. and west of Island Rd.	**Stonebriar Subdivision.** Retention Pond A on north side of ditch. Normal water elev. 768.68. Top/bank 773. Bottom/basin 765. Outlet = 12" dia. storm inv. 768.68 at west end of pond to ditch with control manhole rim 773.96 with 1-1/2" dia. orifice inv. 768.68 and six-inch dia. orifice 770.02 inside 12" dia. standpipe top elev. 772.0 in manhole. Retention Pond B on south side of ditch. Normal water elev. 768.45. Top/bank 773. Bottom/basin 764. Outlet = 12" dia. storm inv. 768.40 at west end of pond to ditch with control manhole rim 773.64 with 1-1/2" dia. orifice inv. 768.54 and six-inch dia. orifice 769.80 inside 12" dia. standpipe top elev. 772.0 in manhole.
South of Bagley Rd. adjacent to County line (includes Timber Ridge Ave., Rose Wood Pl., Hill Crest St., Walnut Ct., Wood Crest Way, Oak Point Rd., Pine Forest Ln., Mahogany Cir. and Lakeview Circle)	**Timber Ridge Subdivision.** All outlet structures to be protected by half-round CMP hood. Detention Basin 1 (west of Timber Ridge Ave. near Bagley Rd.) outlet on south side = 18" dia. storm with 0.5-inch dia. orifice inv. 775.13 and 4.5-inch dia. orifice inv. 775.96 to 15" dia. storm to existing ditch. Basin overdug two feet for sediment storage. Retention Basin 2 (north of Timber Ridge Ave. near Bagley Rd.) normal water elev. 774.87. Outlet on north side = 18" dia. storm with 2.7-inch dia. orifice inv. 774.87 and 8.5-inch dia. orifice 776.49 to 24" dia. storm to existing ditch. Retention Basin 3 (south of Timber Ridge Ave. and east of Hill Crest St.) normal water elev. 781.0. Outlet on north side = 18" dia. storm with 2.1-inch dia. orifice inv. 781.0 and five-inch dia. orifice inv. 781.86 to 15" dia. storm sewer to Hill Crest St. storm sewer system. Retention Basin 4 (behind Lakeview Circle) normal water elev. 781.0. Outlet at north end of pond = 36" dia. storm with 2.2-inch dia. orifice inv. 781.0 and seven-inch dia. orifice inv. 783.20 to 18" dia. storm to north.
North of Avalon Dr. near Case Rd. (includes Somerset Court)	**Villas at Avalon.** Storm water directed to Avalon Estates Subdivision No. 1 detention basin.
Off Stone Creek Drive in Stone Creek Estates (includes Dogwood Lane)	**Villas of Stone Creek Subd. No. 2.** Retention basin part of Stone Creek Estates No. 2 and 3 basin.
Off Terrell Dr. and south of Humphrey Circle (new	**Waterside Place at Waterbury**, water quality treatment not provided. Storm water to discharge downstream to existing water quality pond in

Location	Project
streets include Noah Lane and Lyman Court)	Waterbury Phase 3.
Off Chestnut Ridge Road across from Archer Road (includes Victoria Lane, Elizabeth Lane, Calista Drive, Briggs Circle, Minott Court and Terrell Drive)	**Waterbury Subdivision Phases 1 and 2.** Water quality treatment not provided. South Calista Drive Retention Basin. Normal water elev. 739.0. Outlet = 54" dia. pipe at north end of pond under Calista Drive to North Calista Drive Retention Basin. Inlet inv. below normal water elevation. Semi-circular weir wall top elev. 739.0. North Calista Drive Retention Basin. Normal water elev. 738.50. Outlet = 60" dia. pipe at north end of pond on the west side of Victoria Lane. Inlet inv. below normal water elevation. Semi-circular weir wall top elev. 738.50.
Intersection of Terrell Drive and Victoria Lane	**Waterbury Subdivision Phase 3A.** Water quality treatment not provided. Storm water storage not provided but flows via ditch to Phase 3B storage basins.
Terrell Drive east of Bender Road (includes Terrell Drive, Terrell Court, Bauer Circle, Franklin Drive and Winson Circle)	**Waterbury Subdivision Phase 3B.** Water quality treatment provided. West Retention Basin (located south of Terrell Drive and west of Bauer Circle). Normal water elev. 732.5. Top/bank approx. 739. Outlet structure = 12' x 4' box culvert under Terrell Drive which directs flow to north to Ridgeway Ditch. Box Culvert invs. 732.50 / 731.85. Extended detention provided by weir wall downstream of box culvert. Weir inv. elev. 732.20, trapezoid bottom 2' wide / top 3' wide (flow line elev. 732.0). North/South Twin Retention Basin (located north/south of Terrell Drive and east of Franklin Drive). Normal water elev. 730.0. Top/bank approx. 739.0. Outlet structure = weir north and downstream of north retention basin. Outflow to Ridgeway Ditch. Extended detention weir inv. elev. 730.1, weir 16 inches wide.
Terrell Drive from Terrell Court to Beatrice Court (also including Lydia Circle, Colley Circle and Humphrey Circle)	**Waterbury Subdivision Phases 4/5.** West Retention Basin of Phase 3B expanded for these phases.
Franklin Drive east of Humphrey Circle (includes Ichabod Drive, Franklin Drive, Wyllys Drive and Elva lane)	**Waterbury Subdivision Phase 6.** Storm water storage provided in Waterbury Phase 3 B retention basins.
North of Ohio Turnpike and south of West Point Dr.	**West Point Detention Basin.** Outlet structure located in Dixon Ditch. Outlet structure is a concrete weir 60 feet wide. Top weir elev. approx. 740.76. Weir opening below steel plate inv. approx. 7346.76 and 4 feet high by 4 feet wide. Channel banks upstream and downstream and a length of 25 feet in ditch from east have concrete retaining walls. City maintained.
North side of Center Ridge Rd.	**Wildflower.** Plans not located.
West of Root Rd. and south of Chestnut Ridge Rd. (includes Forest Glen Way, Clear Creek Dr., Seneca Place and Cambridge Dr.)	**Wildwood Estates.** Water quality treatment not provided. Storm water storage provided in swales north and south of subdivision which drain to Root Rd. ditch. Bottom swale width = eight feet. South bank slope = 4:1. North bank slope = 5:1 near side and 1.5:1 far side. North swale begins 7 homes west of Forest Glen Way flows east. South swale begins at end of Seneca Place and ends at behind Cambridge Dr. horizontal bend. There is no homeowners' association.
Midway between Stoney Ridge	**Windsor Point Subdivision No. 1.** Retention basin on north side of

Location	Project
Rd. and Case Rd. (includes Avalon Dr., Windsor Dr., Overlook Ct. & Ravenway Dr.)	Avalon Dr. Normal water elev. 687.0. Top/bank 693.0. Bottom/basin 680.0. Outlet structure = 48" dia. pipe at west end of pond inv. 687.0 and water quality weir 0.33' wide x 0.65' ht. elev. 687.65. Water quality treatment provided in 2009 during construction of Windsor Point Subd. No. 5.
Midway between Stoney Ridge Rd. and Case rd. south of Avalon Dr. (includes Windsor Dr., Ravenway Dr. and Kingston Dr.)	**Windsor Point Subdivision No. 2.** Storm water storage provided in Windsor Point Subdivision No. 1.
Off Stoney Ridge Rd. near Mills Rd. (includes east end of Avalon Dr.)	**Windsor Point Subdivision No. 3.** Retention basin on north side of Avalon Dr. Normal water elev. 697.0. Outlet structure = three 24 dia. pipes inv. elev. 697.20 on north side of basin. Water quality structure = rectangular weir 0.10 feet wide by 0.77 feet high (per storm water report) but record plans show a weir at elev. 698.67.
South of Windsor Point No. 3 (includes Rocky Run Ct. and Otten Rd.)	**Windsor Point Subdivision No. 4.** Storm water storage provided in Windsor Point No. 3 retention basin.
North of Avalon Dr. between Ravenway Dr. and Otten Rd.	**Windsor Point Subdivision No. 5**, Water quality treatment added to retention basin in Windsor Point Subd. No. 1. Retention basin on north side of Avalon Dr. Normal water elev. 687.0. Top/bank 693.0. Bottom/basin 680.0. Outlet structure = 48" dia. pipe at west end of pond inv. 687.0 with water quality weir 0.33' wide x 0.65' ht. elev. 687.65 provided by half round protective shield.
South of Mills Rd. and east of N. Barton Rd. (includes Stradford Court)	**Woods of Stradford.** Retention basin located on west side of Stradford Ct. near Mills Rd. normal water elev. 710.0. Outlet structure = 2-2B catch basin at north end of basin 15-inch dia. orifice inv. 710.0 and flows through 18-inch dia. storm sewer to Stradford Ct. roadway drainage system. Pocket wetland in sublot 1. Outlet structure six-inch pipe with 9/16 inch dia. orifice inv. 709.50 which flows to catch basin adjacent to north property line. Bottom of wetland elev. 707.0.