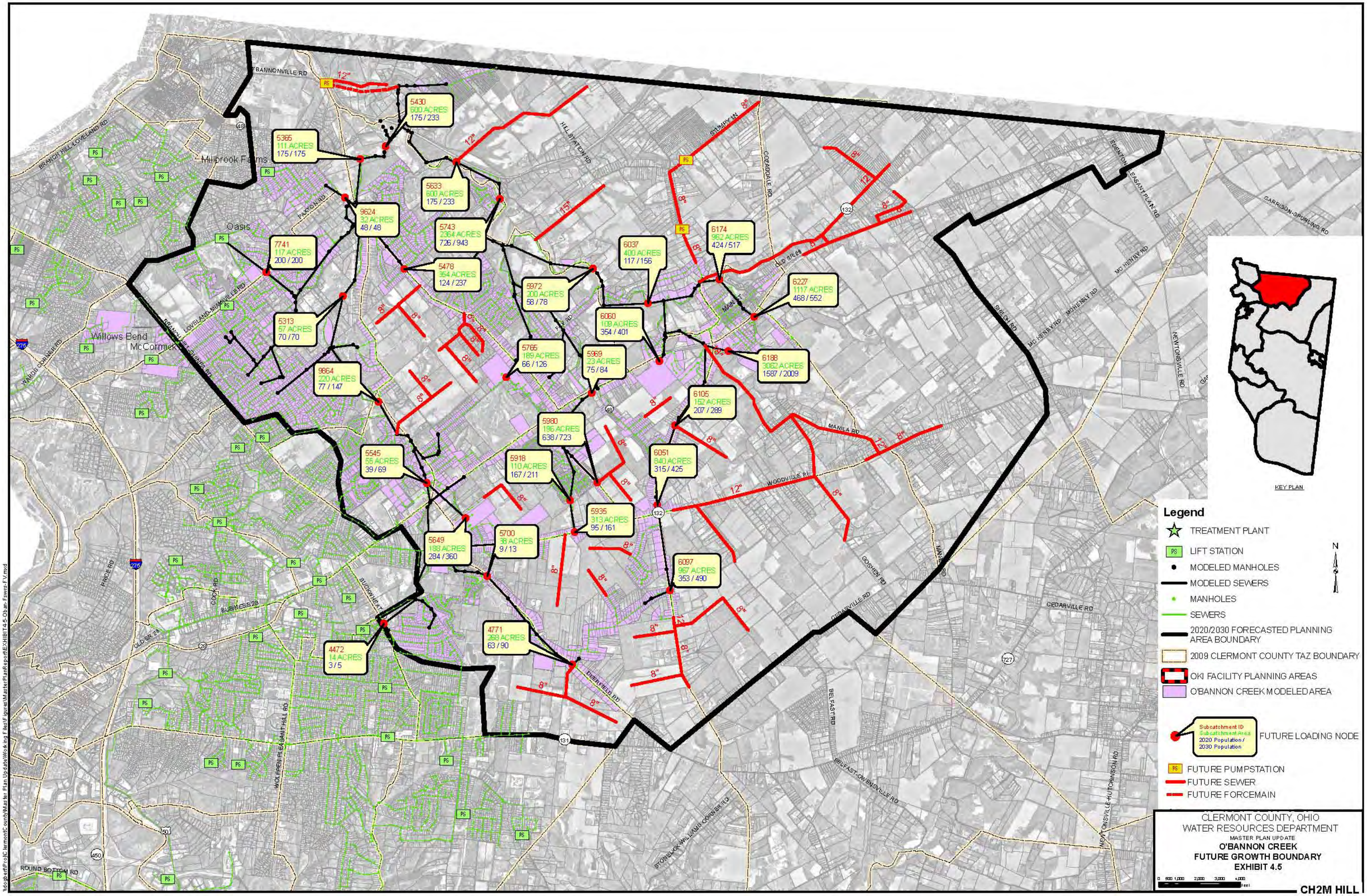
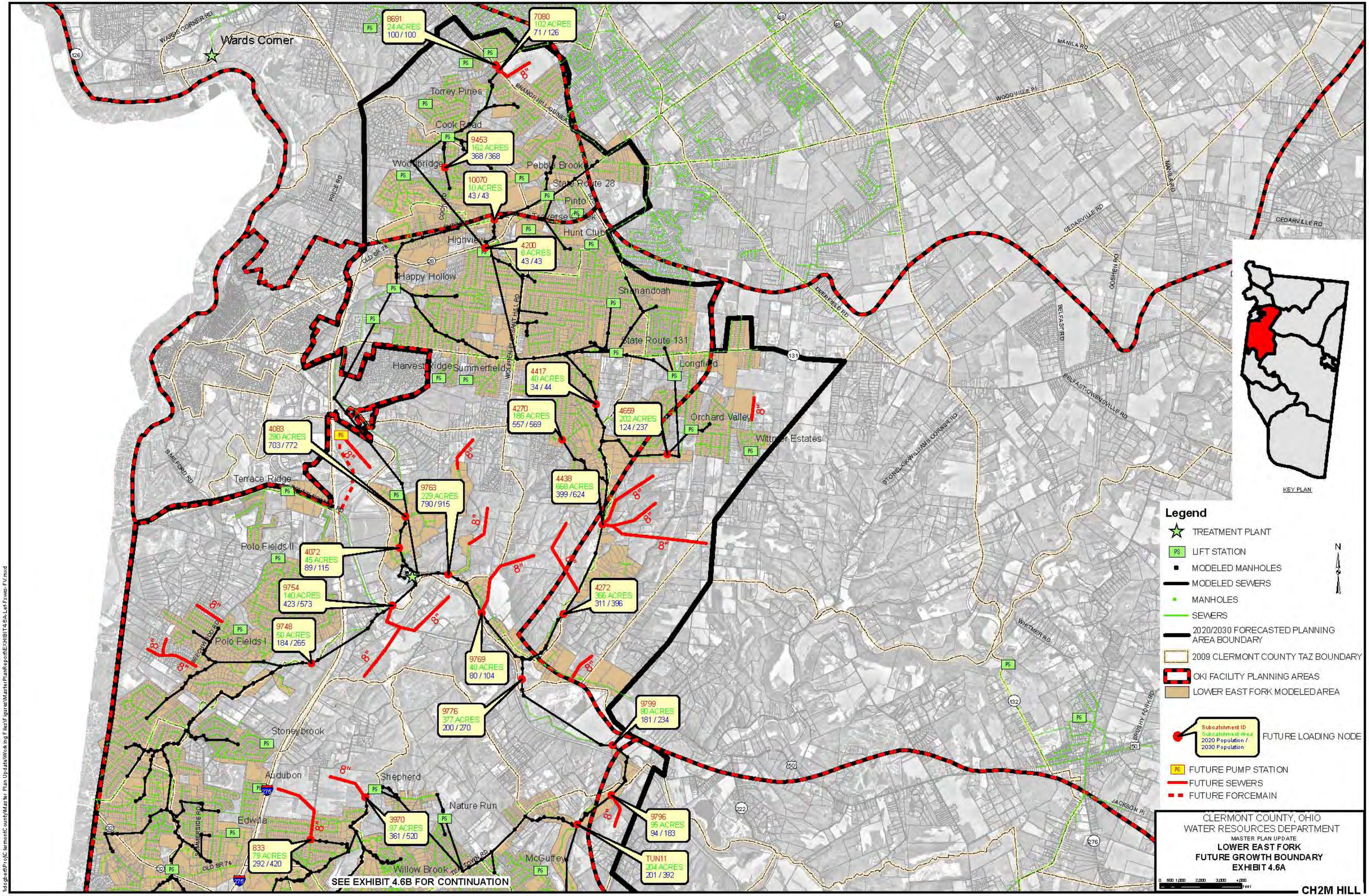
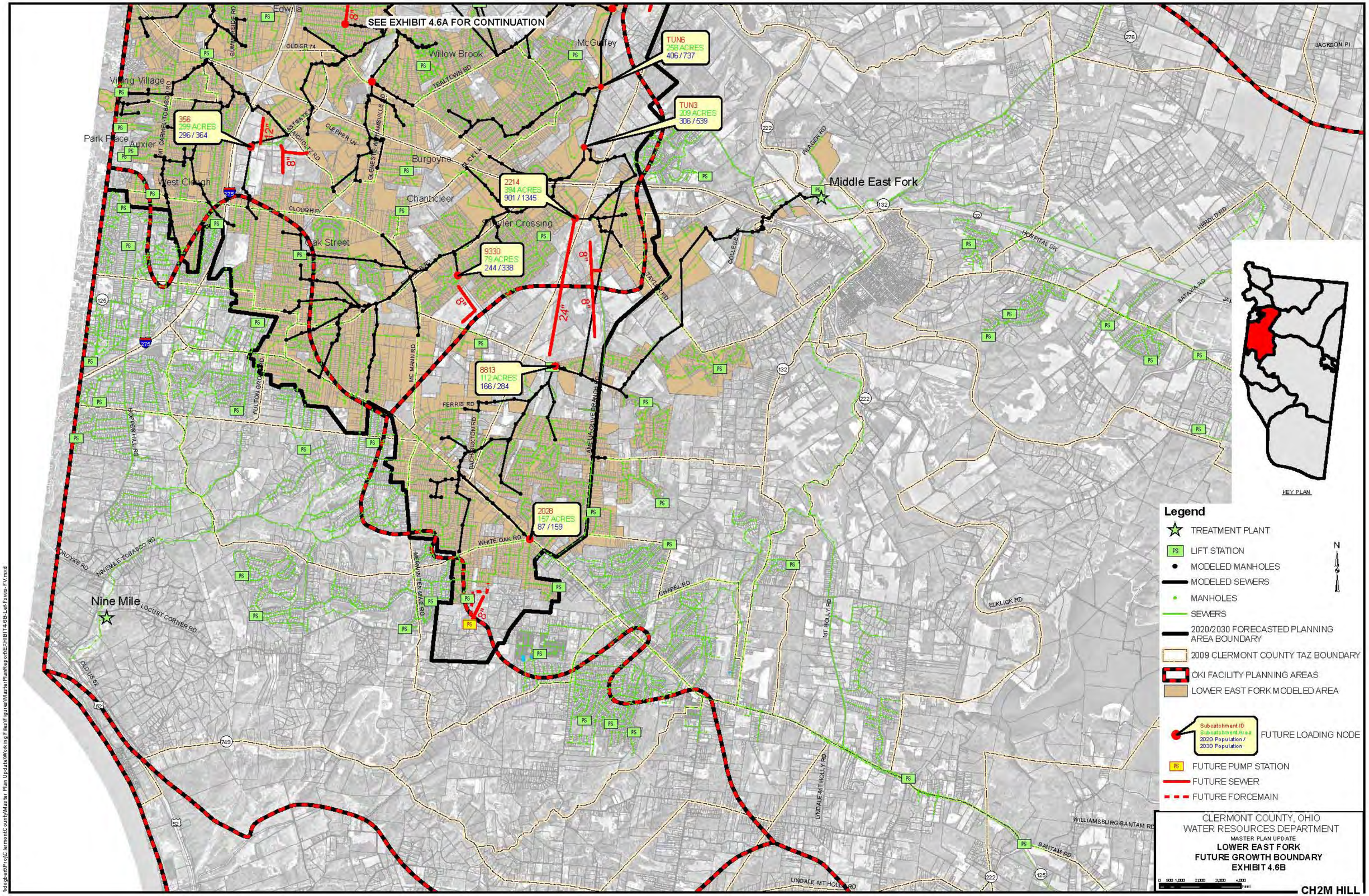


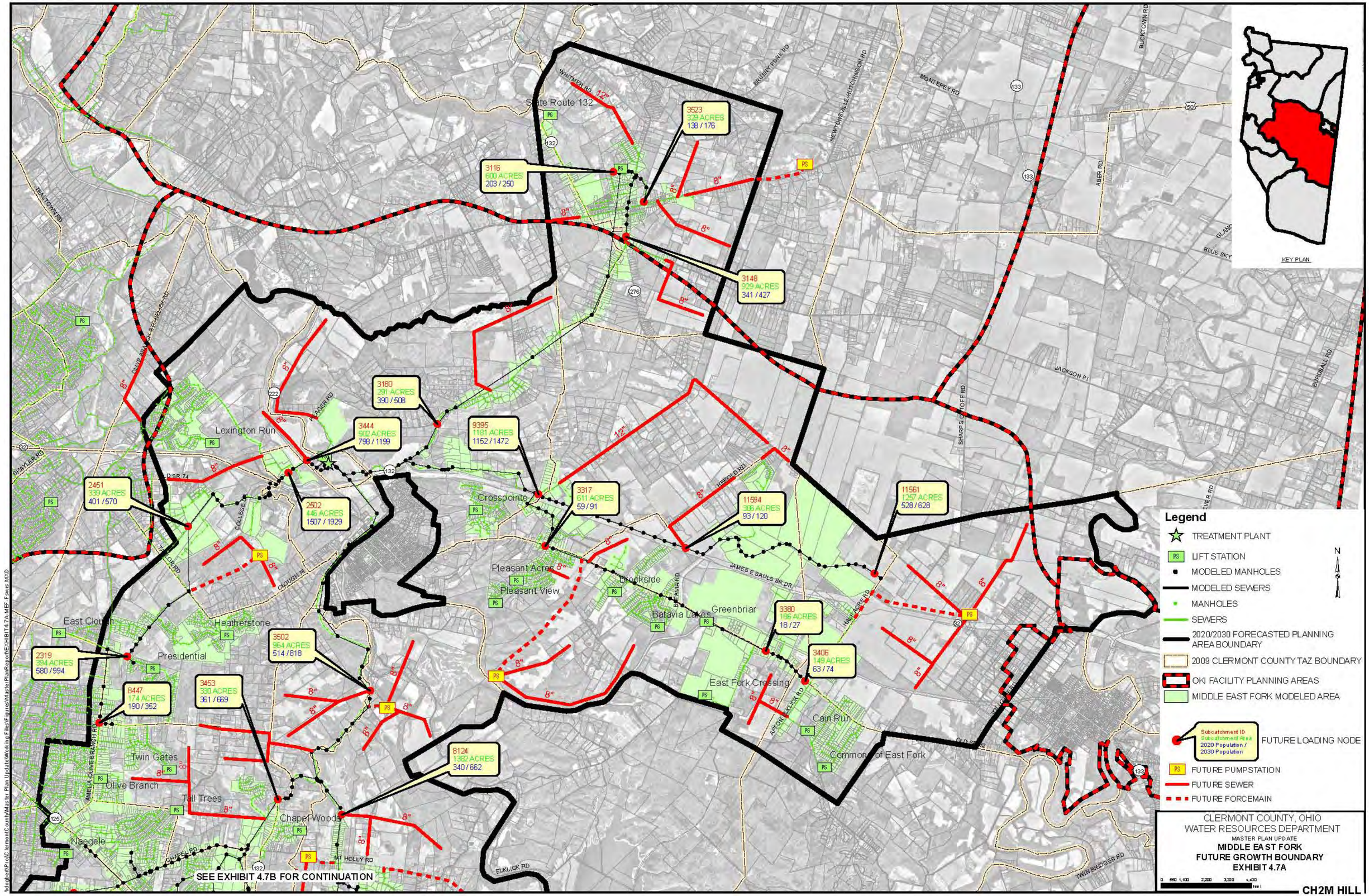
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
2020/2030 FORECASTED PLANNING AREA BOUNDARY
2009 CLERMONT COUNTY TAZ BOUNDARY
OKI FACILITY PLANNING AREAS
O'BANNON CREEK MODELED AREA
Subcatchment ID
Subcatchment Area
2020 Population / 2030 Population
FUTURE LOADING NODE
FUTURE PUMPSTATION
FUTURE SEWER
FUTURE FORCEMAIN
KEY PLAN
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
O'BANNON CREEK
FUTURE GROWTH BOUNDARY
EXHIBIT 4.5
CH2M HILL
Millbrook Farms
Oasis
Willows Bend
McCormick
5430 600 ACRES 175 / 233
5365 111 ACRES 175 / 175
5633 600 ACRES 175 / 233
9624 32 ACRES 48 / 48
5743 2364 ACRES 726 / 943
7741 117 ACRES 200 / 200
5478 354 ACRES 124 / 237
5972 200 ACRES 58 / 78
6037 400 ACRES 117 / 156
6174 962 ACRES 424 / 517
6227 1117 ACRES 468 / 552
5313 57 ACRES 70 / 70
6060 109 ACRES 354 / 401
5765 189 ACRES 66 / 126
5969 23 ACRES 75 / 84
6188 3062 ACRES 1587 / 2009
9864 220 ACRES 77 / 147
6105 152 ACRES 207 / 289
5980 196 ACRES 638 / 723
5545 55 ACRES 39 / 69
5918 110 ACRES 167 / 211
6051 840 ACRES 315 / 425
5935 313 ACRES 95 / 161
5649 188 ACRES 284 / 360
5700 38 ACRES 9 / 13
6097 967 ACRES 353 / 490
4771 268 ACRES 63 / 90
4472 14 ACRES 3 / 5

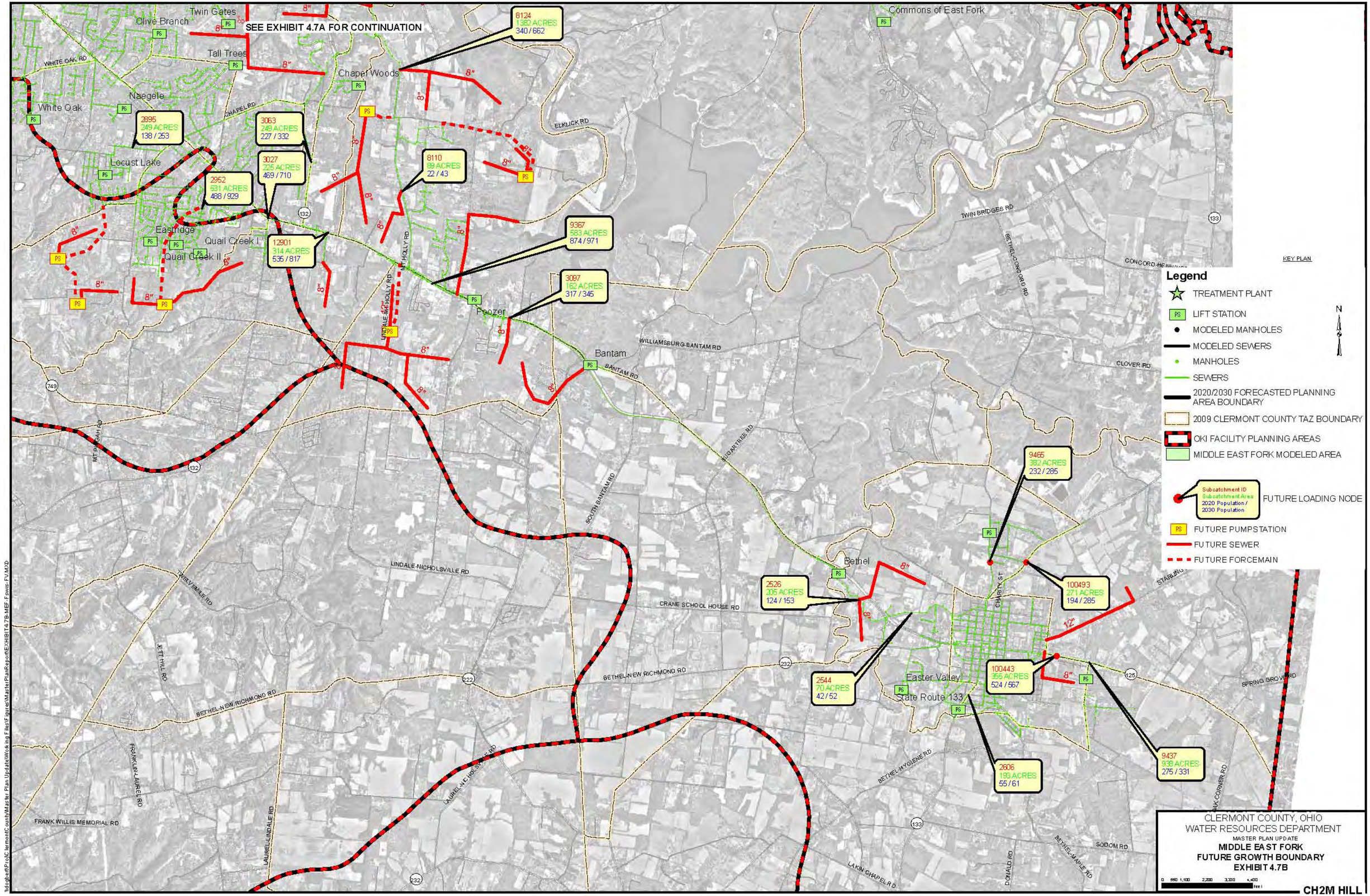


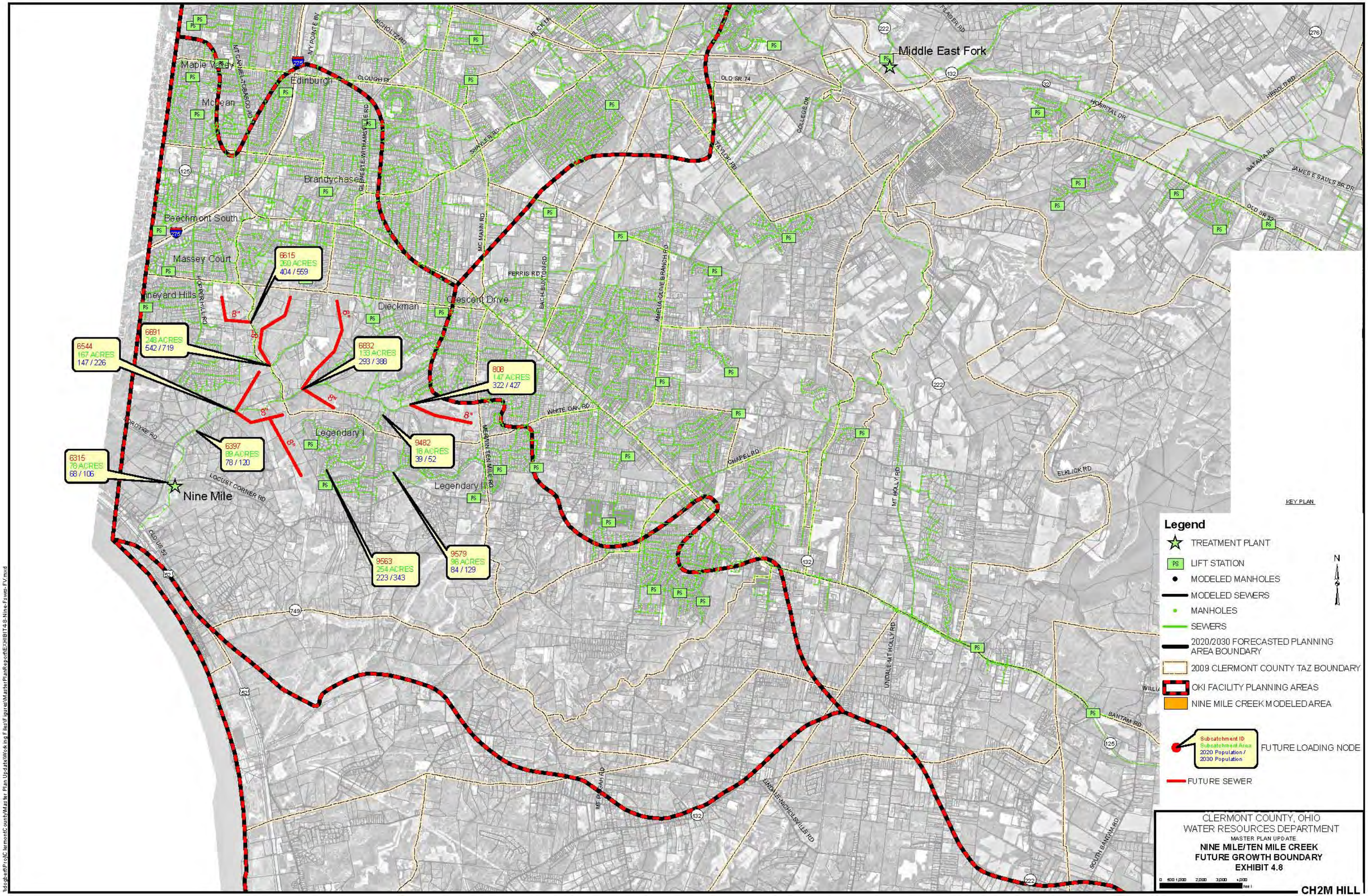
\\dogbert\Pro\ClermontCounty\Master Plan Update\Working Files\Figures\MasterPlanReport\EXHIBIT4.6A-LefFswsp-FV.mxd

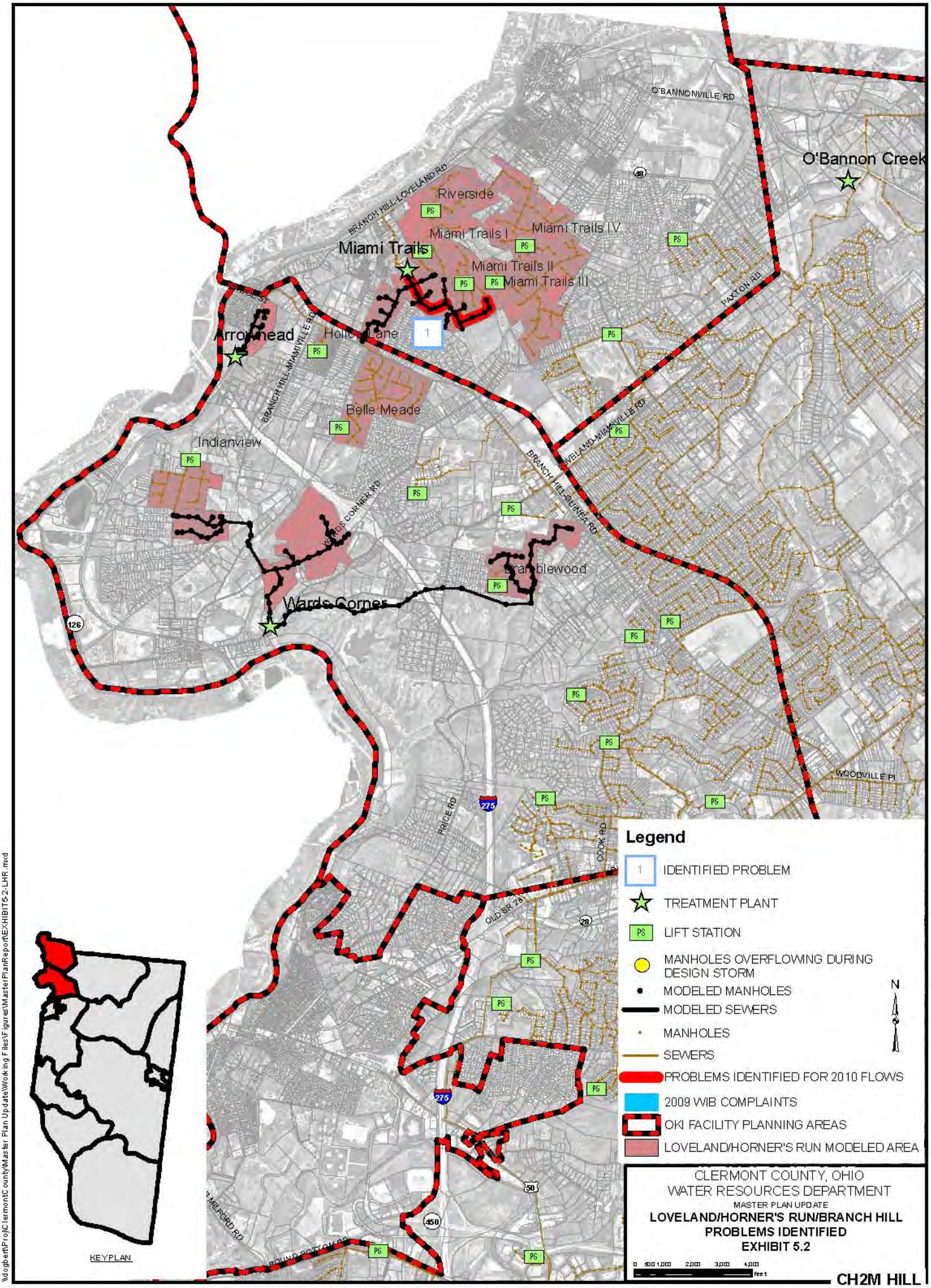


%dogbertProj0:lermontCounty\Master Plan UpdateWorkingFiles\Figures\MasterPlanReport\EXHIBIT4-6B-LetFsews-FV.mxd

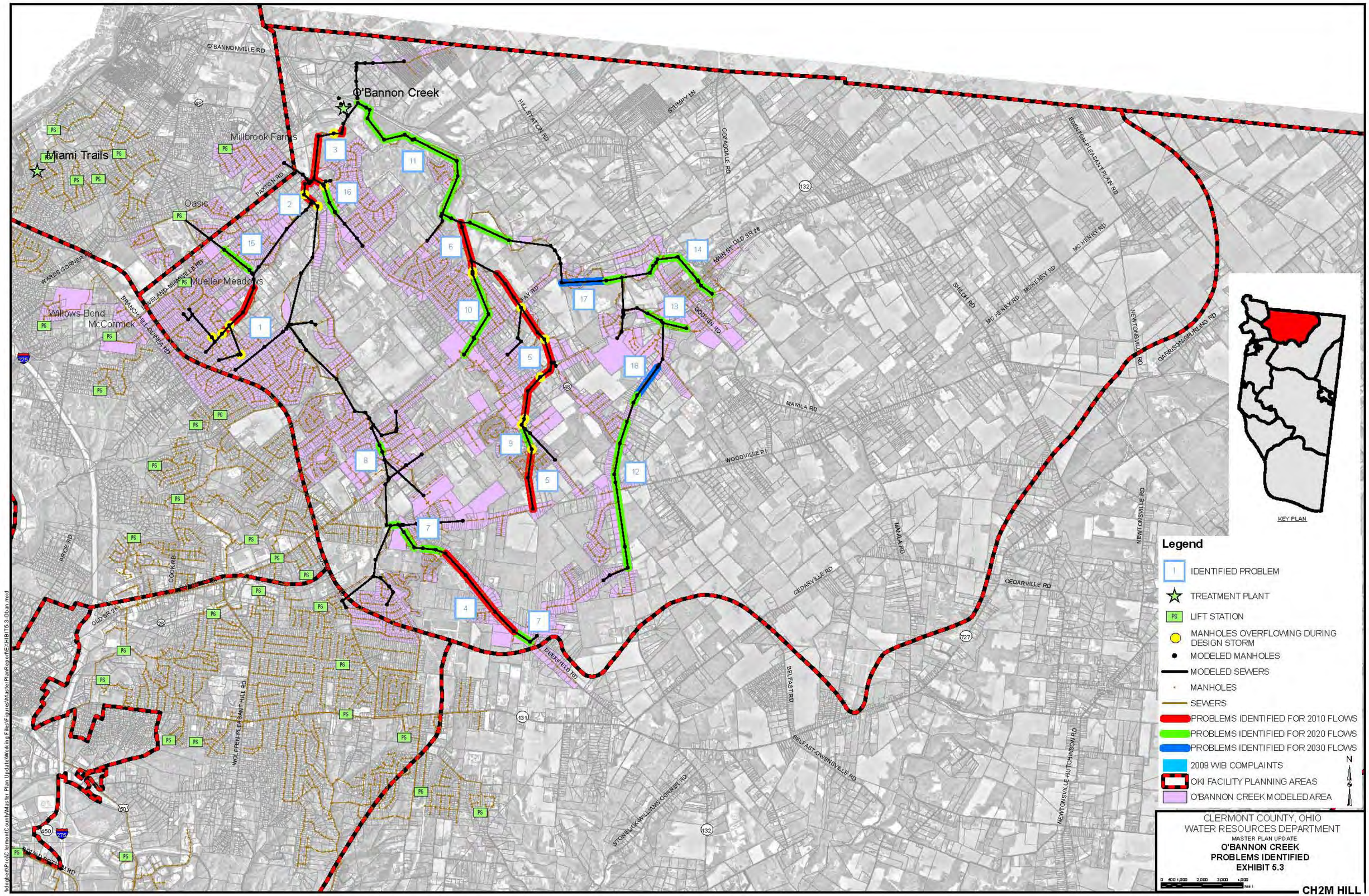

State Route 132
Lexington Run
Crosspointe
Pleasant Acres
Pleasant View
Brookside
Batavia Lakes
Greenbriar
East Fork Crossing
Cain Run
Common of East Fork
East Clough
Heatherstone
Presidential
Twin Gates
Olive Branch
Tall Trees
Chapel Woods
Naegele
3523
229 ACRES
138 / 176
3116
600 ACRES
203 / 250
3148
929 ACRES
341 / 427
3180
291 ACRES
390 / 508
3444
502 ACRES
798 / 1199
9395
1181 ACRES
1152 / 1472
2451
339 ACRES
401 / 570
2502
446 ACRES
1507 / 1929
3317
611 ACRES
59 / 91
11594
306 ACRES
93 / 120
11561
1257 ACRES
528 / 628
3380
186 ACRES
18 / 27
3406
149 ACRES
63 / 74
2319
394 ACRES
580 / 994
8447
174 ACRES
190 / 352
3453
330 ACRES
361 / 669
3502
964 ACRES
514 / 818
8124
1362 ACRES
340 / 662
SEE EXHIBIT 4.7B FOR CONTINUATION
KEY PLAN
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
2020/2030 FORECASTED PLANNING AREA BOUNDARY
2009 CLERMONT COUNTY TAZ BOUNDARY
OKI FACILITY PLANNING AREAS
MIDDLE EAST FORK MODELED AREA
Subcatchment ID
Subcatchment Area
2020 Population /
2030 Population
FUTURE LOADING NODE
FUTURE PUMPSTATION
FUTURE SEWER
FUTURE FORCEMAIN
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
MIDDLE EAST FORK
FUTURE GROWTH BOUNDARY
EXHIBIT 4.7A
CH2M HILL

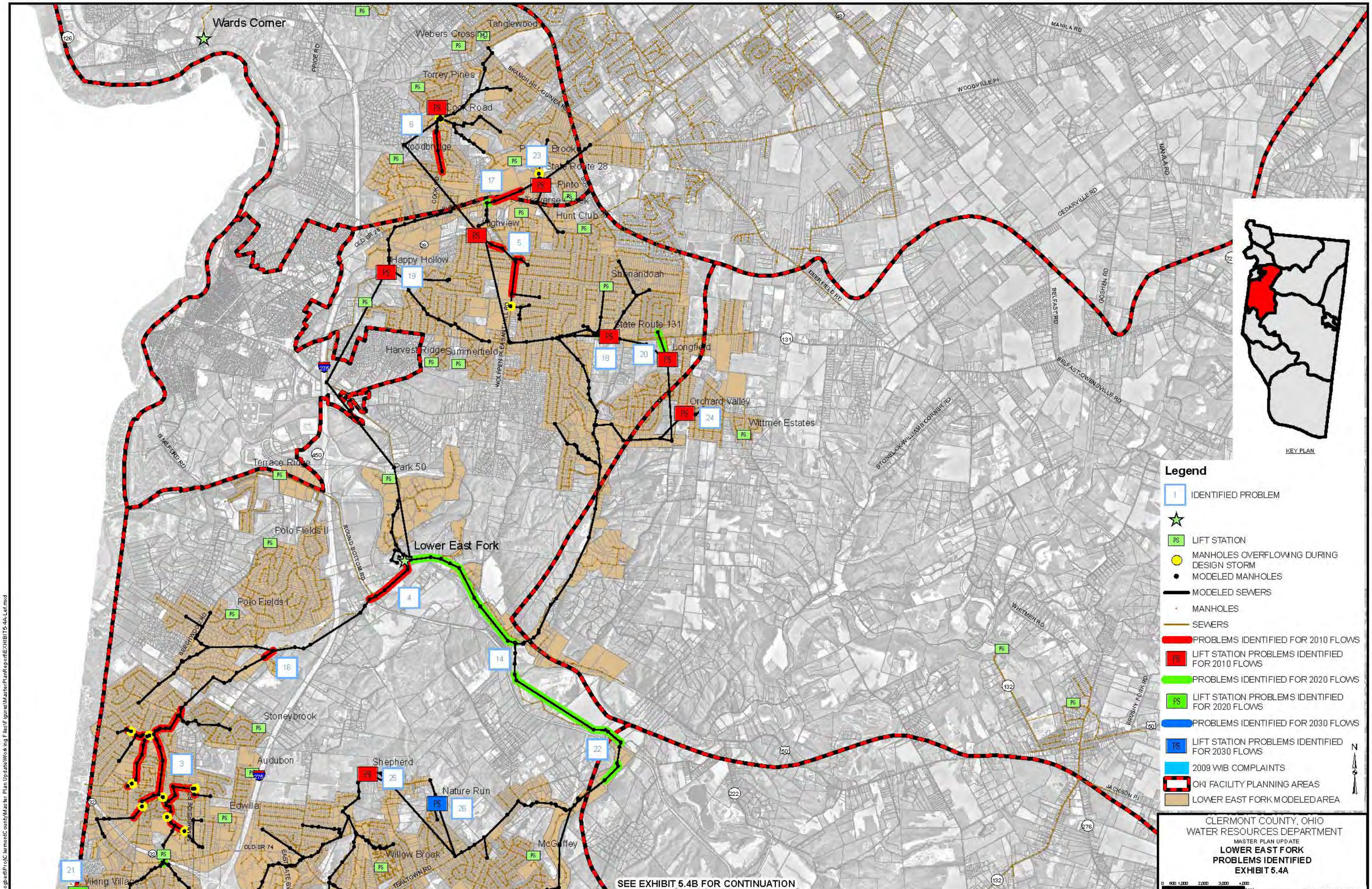

SEE EXHIBIT 4.7A FOR CONTINUATION
Olive Branch
Twin Gates
Tall Trees
Chapel Woods
Commons of East Fork
White Oak
Naegele
Locust Lake
Eastridge
Quail Creek I
Quail Creek II
Frozer
Bantam
Bethel
Easter Valley
State Route 133
8124
1382 ACRES
340 / 662
2895
249 ACRES
138 / 253
3063
249 ACRES
227 / 332
3027
225 ACRES
469 / 710
2952
531 ACRES
468 / 929
12901
314 ACRES
535 / 817
8110
89 ACRES
22 / 43
9367
583 ACRES
874 / 971
3097
162 ACRES
317 / 345
9466
382 ACRES
232 / 285
2526
205 ACRES
124 / 153
2544
70 ACRES
42 / 52
100493
271 ACRES
194 / 285
100443
355 ACRES
524 / 567
2606
199 ACRES
55 / 61
9437
938 ACRES
275 / 331
KEY PLAN
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
2020/2030 FORECASTED PLANNING AREA BOUNDARY
2009 CLERMONT COUNTY TAZ BOUNDARY
OKI FACILITY PLANNING AREAS
MIDDLE EAST FORK MODELED AREA
Subcatchment ID
Subcatchment Area
2020 Population /
2030 Population
FUTURE LOADING NODE
FUTURE PUMPSTATION
FUTURE SEWER
FUTURE FORCEMAIN
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
MIDDLE EAST FORK
FUTURE GROWTH BOUNDARY
EXHIBIT 4.7B
CH2M HILL

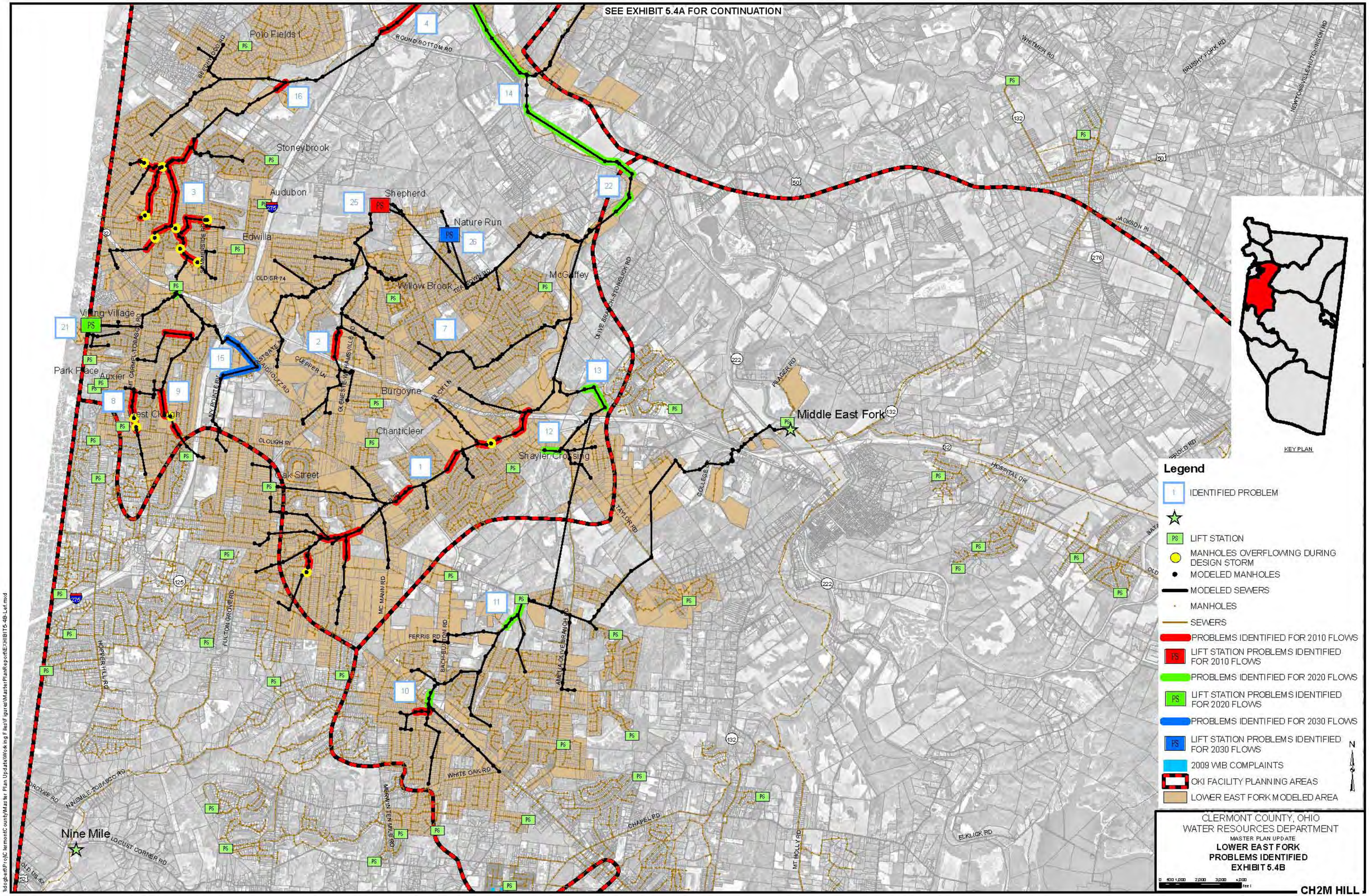

Middle East Fork
Nine Mile
Maple Valley
Edinburgh
McDean
Brandychase
Beechmont South
Massey Court
Vineyard Hills
Dieckman
Crescent Drive
Legendary I
Legendary II
6615
260 ACRES
404 / 559
6691
248 ACRES
542 / 719
6544
167 ACRES
147 / 226
6832
133 ACRES
293 / 388
808
147 ACRES
322 / 427
6397
88 ACRES
78 / 120
6315
78 ACRES
68 / 106
9482
18 ACRES
39 / 52
9563
254 ACRES
223 / 343
9579
96 ACRES
84 / 129
8"
6"
KEY PLAN
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
2020/2030 FORECASTED PLANNING AREA BOUNDARY
2009 CLERMONT COUNTY TAZ BOUNDARY
OKI FACILITY PLANNING AREAS
NINE MILE CREEK MODELED AREA
Subcatchment ID
Subcatchment Area
2020 Population /
2030 Population
FUTURE LOADING NODE
FUTURE SEWER
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
NINE MILE/TEN MILE CREEK
FUTURE GROWTH BOUNDARY
EXHIBIT 4.8
CH2M HILL

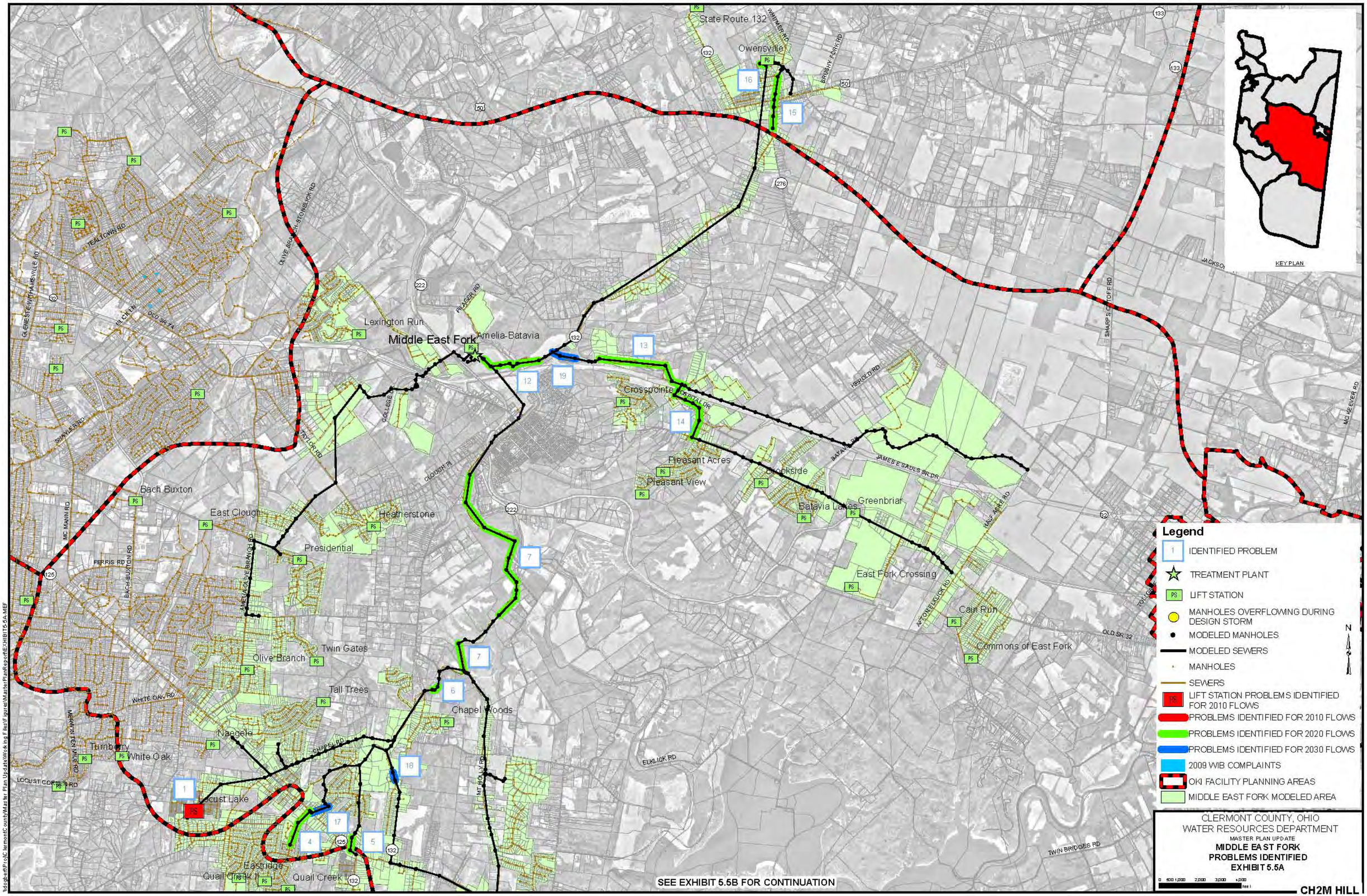


\\dogbert\Proj\ClermontCounty\Master Plan Update\Working Files\Figures\MasterPlanReport\EXHIBIT5-2-LHR.mxd

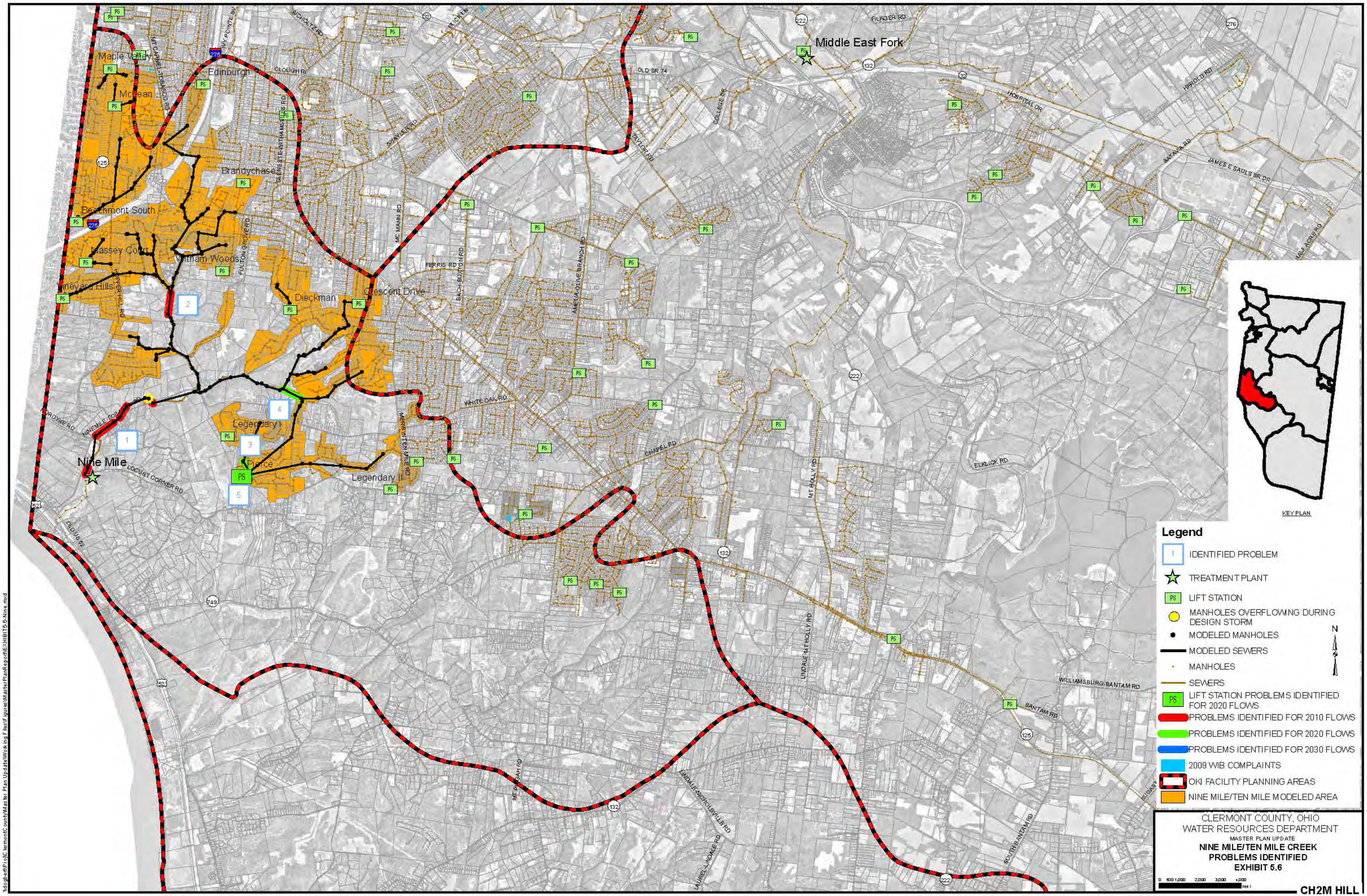

O'Bannon Creek
Miami Trails
Millbrook Farms
Oasis
Mueller Meadows
Willows Bend
McCormick
O'BANNONVILLE RD
PAXTON RD
WARDS CORNER RD
BRANCH HILL-GUINEA RD
HILL STATION RD
STUMPY LN
COZADDALE RD
MAIN ST OLD SR 28
GOSHEN RD
MANILA RD
WOODVILLE PI
CEDARVILLE RD
BELFAST RD
BELFAST-OWENSVILLE RD
STONELICK-WILLIAMS CORNER RD
DEERFIELD RD
WOLFFEN-PLEASANT HILL RD
OLD SR 28
COOK RD
PRICE RD
EDENTON-PLEASANT PLAIN RD
MC HENRY RD
SHILOH RD
NEWTONSVILLE RD
GARRISON-SPURLING RD
NEWTONSVILLE-HUTCHINSON RD
KEY PLAN
Legend
IDENTIFIED PROBLEM
TREATMENT PLANT
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
O'BANNON CREEK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
O'BANNON CREEK
PROBLEMS IDENTIFIED
EXHIBIT 5.3
CH2M HILL

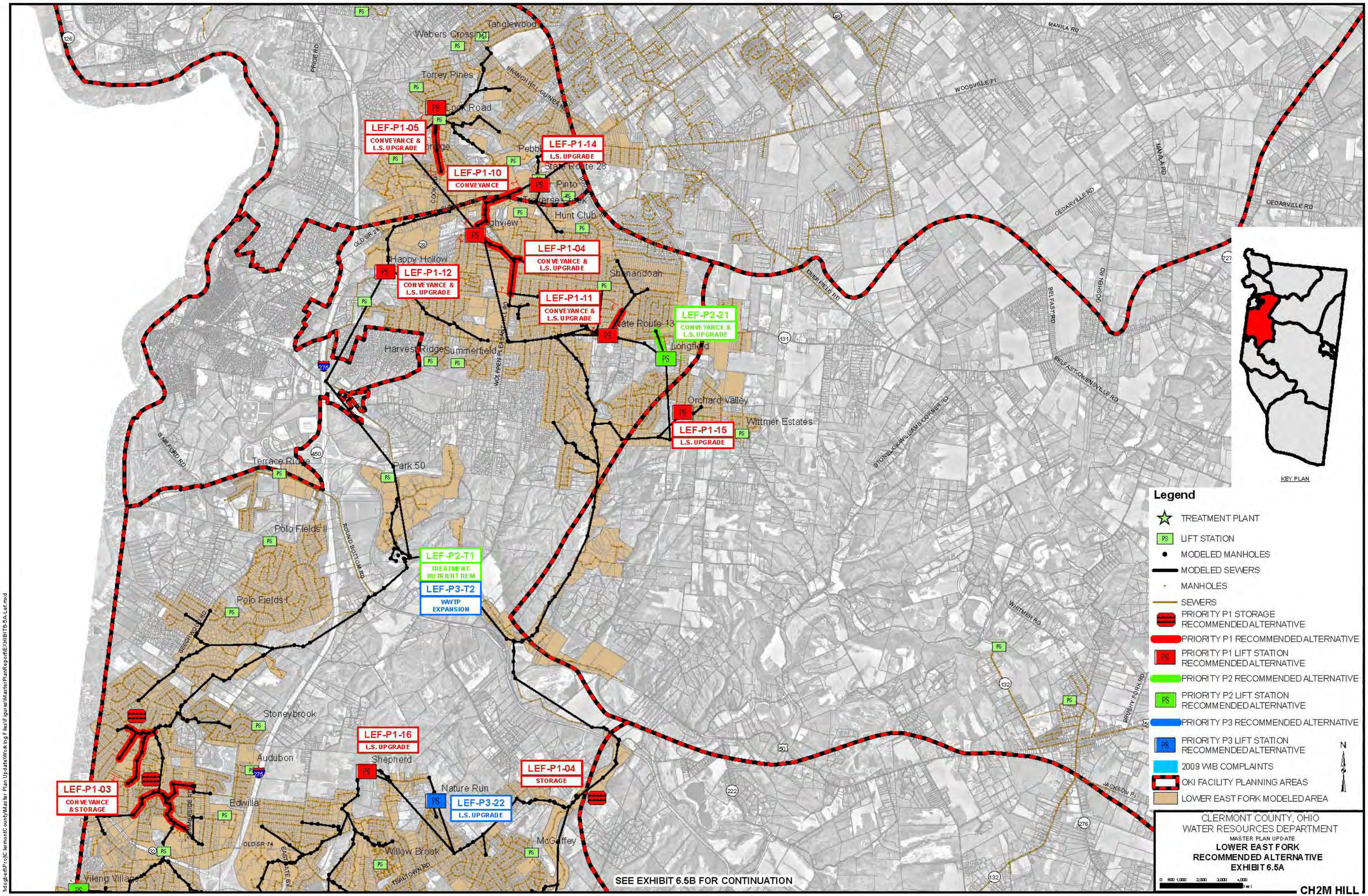

Wards Corner
Webers Cross
Tanglewood
Torrey Pines
Cook Road
Woodbridge
Brookside
State Route 28
Pinto
Hunt Club
Highview
Happy Hollow
Shenandoah
State Route 131
Longfield
Harvest Ridge
Summerfield
Orchard Valley
Wittmer Estates
Terrace Ridge
Park 50
Polo Fields II
Lower East Fork
Polo Fields I
Stoneybrook
Audubon
Shepherd
Nature Run
Edwilla
Willow Brook
McGuffey
Viking Village
SEE EXHIBIT 5.4B FOR CONTINUATION
KEY PLAN
Legend
IDENTIFIED PROBLEM
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
LOWER EAST FORK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
LOWER EAST FORK
PROBLEMS IDENTIFIED
EXHIBIT 5.4A
CH2M HILL

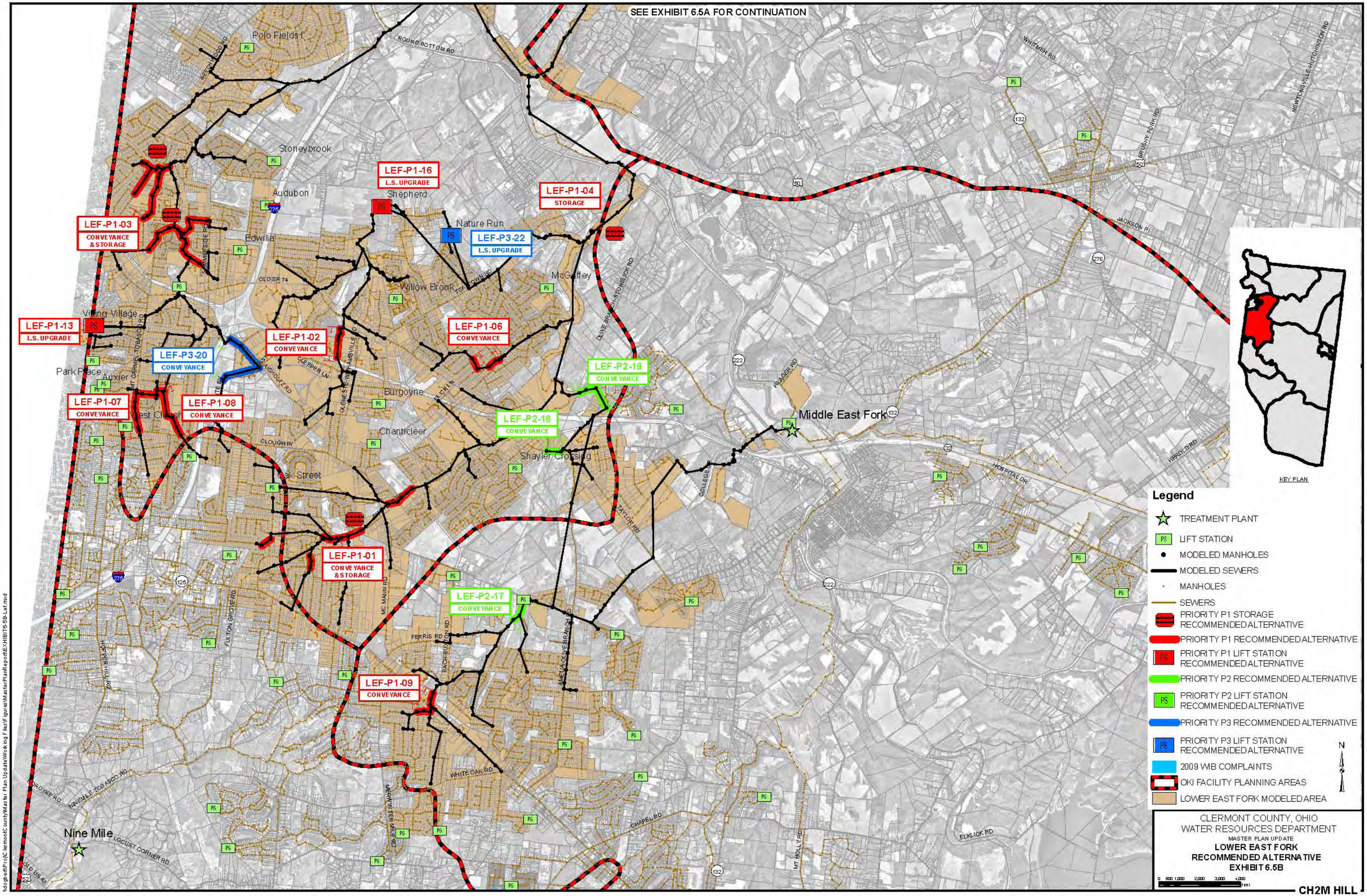

SEE EXHIBIT 5.4A FOR CONTINUATION
Polo Fields 1
Stoneybrook
Audubon
Shepherd
Nature Run
Edwilla
Willow Brook
McGuffey
Villing Village
Park Place
Auxier
West Clough
Burgoyne
Chanticleer
Shayler Crossing
Oak Street
Middle East Fork
Nine Mile
KEY PLAN
Legend
IDENTIFIED PROBLEM
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
LIFT STATION PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
LOWER EAST FORK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
LOWER EAST FORK
PROBLEMS IDENTIFIED
EXHIBIT 5.4B
CH2M HILL


State Route 132
Owensville
Lexington Run
Middle East Fork
Amelia-Batavia
Crosspointe
Pleasant Acres
Pleasant View
Brookside
Batavia Lakes
Greenbriar
East Fork Crossing
Cain Run
Commons of East Fork
Bach Buxton
East Clough
Heatherstone
Presidential
Twin Gates
Olive Branch
Tall Trees
Chapel Woods
Naegele
Turnberry
White Oak
Locust Lake
Eastridge
Quail Creek
KEY PLAN
Legend
IDENTIFIED PROBLEM
TREATMENT PLANT
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
LIFT STATION PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
MIDDLE EAST FORK MODELED AREA
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
MIDDLE EAST FORK
PROBLEMS IDENTIFIED
EXHIBIT 5.5A
CH2M HILL
SEE EXHIBIT 5.5B FOR CONTINUATION

SEE EXHIBIT 5.5A FOR CONTINUATION
Locust Lake
Eastridge
Quail Creek I
Quail Creek II
Foozer
Bantam
Bethel
Concord
Easter Valley
State Route 133
Airport
TWIN BRIDGES RD
BETHEL-CONCORD RD
CONCORD-HENNINGS MILL RD
BOOTJACK CORNER RD
WILLIAMSBURG-BANTAM RD
BANTAM RD
CLOVER RD
LINDALE-MT HOLLY RD
SOUTH BANTAM RD
SUGARTREE RD
LINDALE-NICHOLSVILLE RD
CRANE SCHOOL HOUSE RD
BETHEL-NEW RICHMOND RD
SWINGS CORNER-PT ISABEL RD
STARLING RD
AIRPORT RD
SODOM RD
LAKIN CHAPEL RD
DONALD RD
OAK CORNER RD
BETHEL-HYGIENE RD
JONES-FLORER RD
BETHEL-MAPLE RD
TWELVEMILE RD
JETT HILL RD
LAUREL-LINDALE RD
LAUREL-NICHOLSVILLE RD
MT PISGAH RD
KEY PLAN
Legend
IDENTIFIED PROBLEM
TREATMENT PLANT
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
LIFT STATION PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
MIDDLE EAST FORK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
MIDDLE EAST FORK
PROBLEMS IDENTIFIED
EXHIBIT 5.5B
CH2M HILL


Middle East Fork
Nine Mile
Maple Valley
Edinburgh
Mclean
Brandychase
Beechmont South
Massey Court
Witham Woods
Vineyard Hills
Dieckman
Crescent Drive
Legendary I
Legendary II
Pierce
KEY PLAN
Legend
IDENTIFIED PROBLEM
TREATMENT PLANT
LIFT STATION
MANHOLES OVERFLOWING DURING DESIGN STORM
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
LIFT STATION PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2010 FLOWS
PROBLEMS IDENTIFIED FOR 2020 FLOWS
PROBLEMS IDENTIFIED FOR 2030 FLOWS
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
NINE MILE/TEN MILE MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
NINE MILE/TEN MILE CREEK
PROBLEMS IDENTIFIED
EXHIBIT 5.6
CH2M HILL


LEF-P1-05
CONVEYANCE & L.S. UPGRADE
LEF-P1-14
L.S. UPGRADE
LEF-P1-10
CONVEYANCE
LEF-P1-04
CONVEYANCE & L.S. UPGRADE
LEF-P1-12
CONVEYANCE & L.S. UPGRADE
LEF-P1-11
CONVEYANCE & L.S. UPGRADE
LEF-P2-21
CONVEYANCE & L.S. UPGRADE
LEF-P1-15
L.S. UPGRADE
LEF-P2-T1
TREATMENT-NUTRIENT REM
LEF-P3-T2
WWTP EXPANSION
LEF-P1-16
L.S. UPGRADE
LEF-P1-04
STORAGE
LEF-P3-22
L.S. UPGRADE
LEF-P1-03
CONVEYANCE & STORAGE
Tanglewood
Webers Crossing
Torrey Pines
Cook Road
Pebble
State Route 28
Pinto
Hunt Club
Highview
Happy Hollow
Shenandoah
State Route 131
Longfield
Harvest Ridge
Summerfield
Orchard Valley
Wittmer Estates
Terrace Ridge
Park 50
Polo Fields II
Polo Fields I
Stoneybrook
Audubon
Shepherd
Nature Run
Edwilla
Willow Brook
McGuffey
Viking Village
MANILA RD
WOODVILLE PI
CEDARVILLE RD
GOSHEN RD
BELFAST RD
BELFAST-OWENSVILLE RD
DEERFIELD RD
STONELICK-WILLIAMSCORNER RD
WHITMER RD
BRUSHY FORK RD
JACKSON PI
PRICE RD
BRANCH HILL-GUINEA PIKE
COOK RD
OLD SR 28
WOLFPER-PLEASANT HILL RD
3 MILFORD RD
ROUND BOTTOM RD
BEECHWOOD RD
SUMMERSIDE RD
OLD SR 74
EASTGATE BV
TEALTOWN RD
SEE EXHIBIT 6.5B FOR CONTINUATION
KEY PLAN
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
PRIORITY P1 STORAGE RECOMMENDED ALTERNATIVE
PRIORITY P1 RECOMMENDED ALTERNATIVE
PRIORITY P1 LIFT STATION RECOMMENDED ALTERNATIVE
PRIORITY P2 RECOMMENDED ALTERNATIVE
PRIORITY P2 LIFT STATION RECOMMENDED ALTERNATIVE
PRIORITY P3 RECOMMENDED ALTERNATIVE
PRIORITY P3 LIFT STATION RECOMMENDED ALTERNATIVE
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
LOWER EAST FORK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
LOWER EAST FORK
RECOMMENDED ALTERNATIVE
EXHIBIT 6.5A
CH2M HILL


SEE EXHIBIT 6.5A FOR CONTINUATION
LEF-P1-16
L.S. UPGRADE
LEF-P1-04
STORAGE
LEF-P1-03
CONVEYANCE & STORAGE
LEF-P3-22
L.S. UPGRADE
LEF-P1-13
L.S. UPGRADE
LEF-P1-02
CONVEYANCE
LEF-P1-06
CONVEYANCE
LEF-P3-20
CONVEYANCE
LEF-P2-19
CONVEYANCE
LEF-P1-07
CONVEYANCE
LEF-P1-08
CONVEYANCE
LEF-P2-18
CONVEYANCE
LEF-P1-01
CONVEYANCE & STORAGE
LEF-P2-17
CONVEYANCE
LEF-P1-09
CONVEYANCE
Polo Fields
Stoneybrook
Audubon
Shepherd
Nature Run
Edwilla
McGuffey
Willow Brook
Viring Village
Park Place
Auxier
West Chester
Burgoyne
Chanticleer
Shayler Crossing
Oak Street
Middle East Fork
Nine Mile
KEY PLAN
Legend
TREATMENT PLANT
LIFT STATION
MODELED MANHOLES
MODELED SEWERS
MANHOLES
SEWERS
PRIORITY P1 STORAGE RECOMMENDED ALTERNATIVE
PRIORITY P1 RECOMMENDED ALTERNATIVE
PRIORITY P1 LIFT STATION RECOMMENDED ALTERNATIVE
PRIORITY P2 RECOMMENDED ALTERNATIVE
PRIORITY P2 LIFT STATION RECOMMENDED ALTERNATIVE
PRIORITY P3 RECOMMENDED ALTERNATIVE
PRIORITY P3 LIFT STATION RECOMMENDED ALTERNATIVE
2009 WIB COMPLAINTS
OKI FACILITY PLANNING AREAS
LOWER EAST FORK MODELED AREA
N
CLERMONT COUNTY, OHIO
WATER RESOURCES DEPARTMENT
MASTER PLAN UPDATE
LOWER EAST FORK
RECOMMENDED ALTERNATIVE
EXHIBIT 6.5B
CH2M HILL