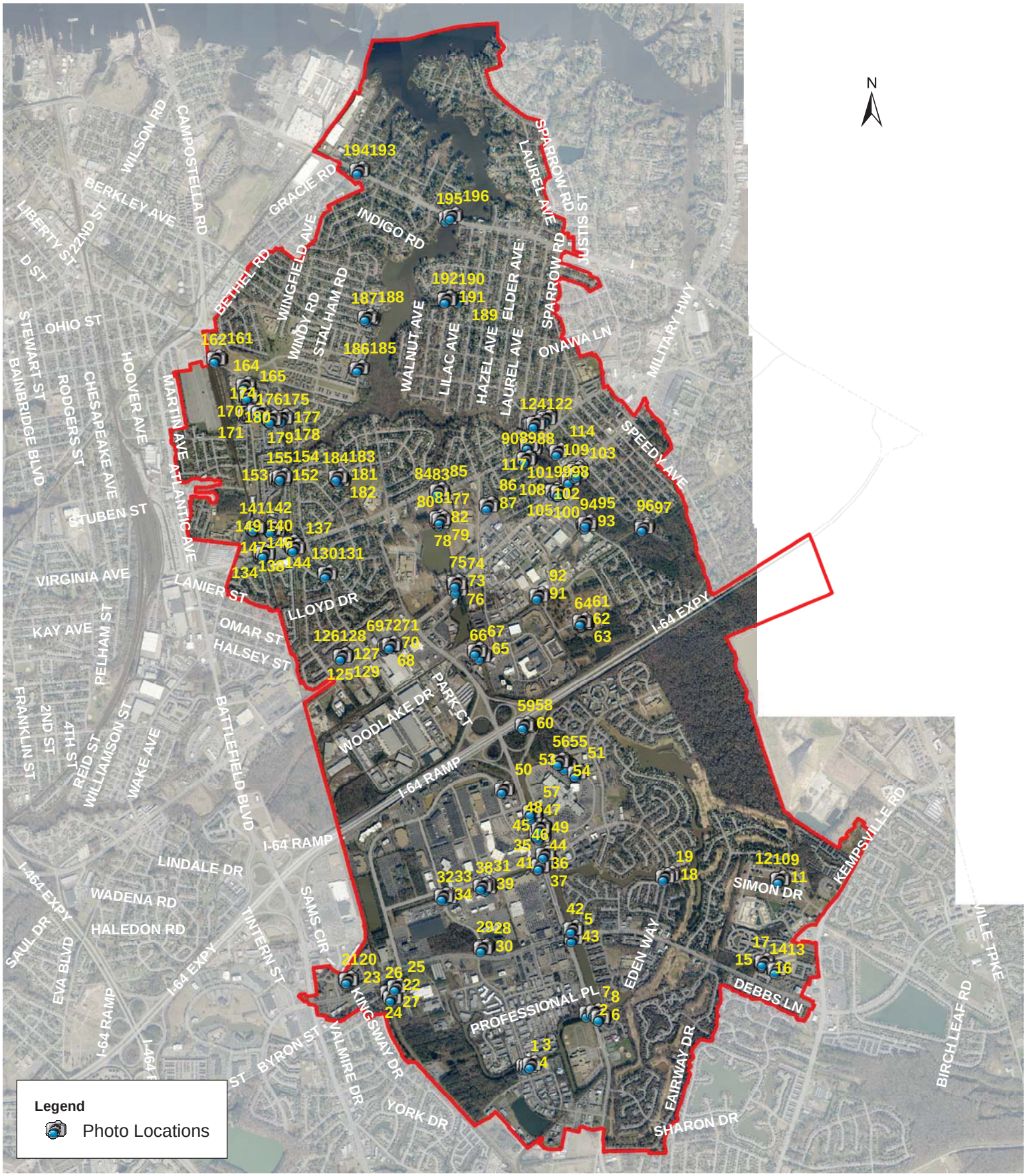
Appendix A
Photographs

US Army Corps
of Engineers
Norfolk District

Chesapeake
VIRGINIA
Department of Public Works

URS



Aerial Imagery @ 2009 Commonwealth of Virginia.

See GIS for Complete Details

Figure A1. Indian River Watershed - Photo Locations

Photo 1. Node 129 - Downstream End Looking Upstream

Photo 2. Node 145 - Downstream End of Pond Looking Upstream

Photo 3. Node 145 - Looking at Upstream Culvert

Photo 4. Node 145 - Upstream End of Pond Looking Downstream

Photo 5. Node 159 - Downstream End of Pond Looking Upstream

Photo 6. Node 159 - Looking at Pipe Coming from Node 145

Photo 7. Node 159 - Looking at Upstream (East)

Photo 8. Node 159 - Upstream End of Pond Looking Downstream

Photo 9. Node 197 - Looking at Outlet Pipe of Pond

Photo 10. Node 197 - Looking at Pond

Photo 11. Node 197 - Looking at Pond (2)

Photo 12. Node 197 - Looking at Pond (3)

Photo 13. Node 222 - Looking at Outlet Pipe

Photo 14. Node 222 - Looking at Pond

Photo 15. Node 223 - Looking at Inlet Pipe

Photo 16. Node 223 - Looking at Outlet Structure

Photo 17. Node 223 - Looking at Pond

Photo 18. Node 241 - Downstream End of Pond Looking Upstream

Photo 19. Node 244 - Upstream End of Pond Looking Downstream

Photo 20. Node 255 - Looking at Pond

Photo 21. Node 255 - Looking at Outlet Pipe of Pond

Photo 22. Node 271 - Looking at Ditch South Side of Pond

Photo 23. Node 271 - Looking at Inlet Pipe

Photo 24. Node 271 - Looking at Outlet Pipe of Pond

Photo 25. Node 271 - Looking at Inlet Pipe

Photo 26. Node 271 - Looking at Pond

Photo 27. Node 271 - Looking at Pond (2)

Photo 28. Node 292 - Looking at Pond

Photo 29. Node 293 - Looking at Pond

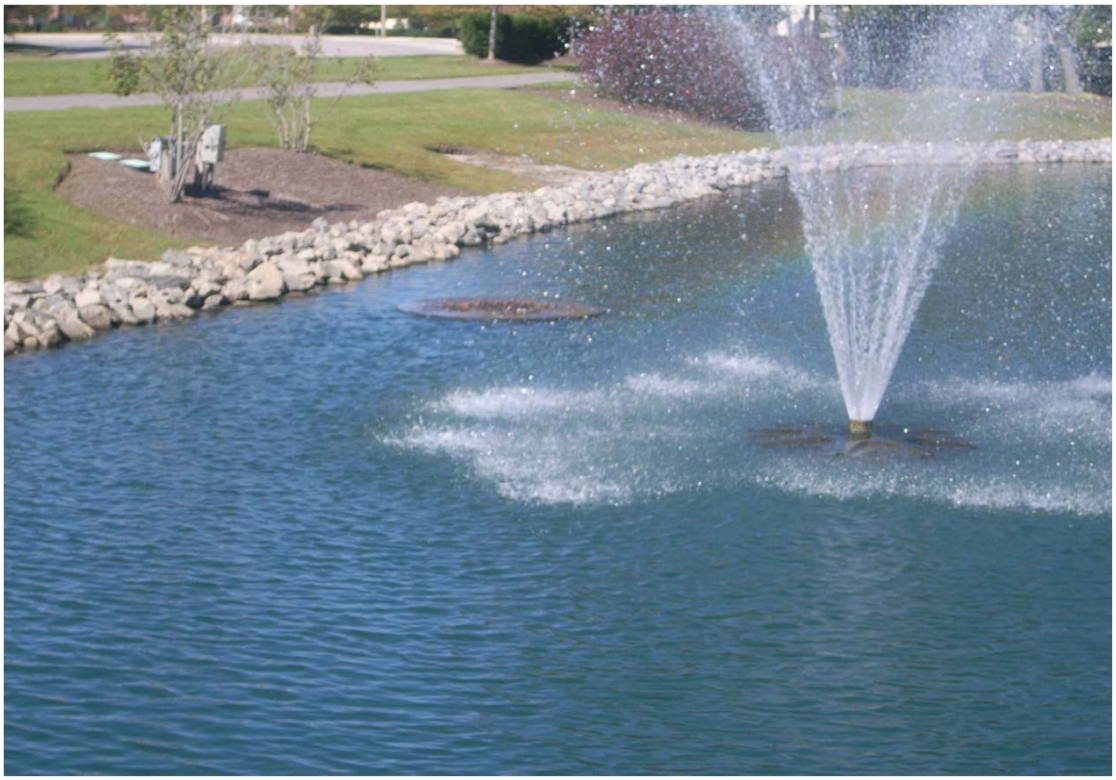


Photo 30. Node 293.1 - Looking at Pond's Outfall Structure

Photo 31. Node 311 - Downstream End of Pond Looking Upstream

Photo 32. Node 311 - Looking at Upstream Culvert

Photo 33. Node 311 - Upstream End of Pond Looking Downstream

Photo 34. Node 311 - Upstream End of Pond Looking Downstream (2)

Photo 35. Node 322 - Downstream End of Pond Looking Upstream

Photo 36. Node 322 - Looking at Outfall Structure (Top View)

Photo 37. Node 322 - Looking at Outfall Structure

Photo 38. Node 322 - Looking at Upstream Culvert

Photo 39. Node 322 - Upstream End of Pond Looking Downstream

Photo 40. Node 323 - Downstream End Looking at Pond

Photo 41. Node 323 - Looking at Outlet Culvert

Photo 42. Node 323 - Looking at Inlet Culvert from Pond Node 159

Photo 43. Node 323 - Looking at Pond from Upstream End

Photo 44. Node 324 - Looking at Pond from Upstream End

Photo 45. Node 324 - Looking at Downstream End Culvert

Photo 46. Node 324 - Looking at Pond from Downstream End

Photo 47. Node 336 - Looking at Pond from Upstream End

Photo 48. Node 336 - Looking at Pond from Downstream End

Photo 49. Node 336 - Looking at Downstream Culvert

Photo 50. Node 346 - Looking at Pond's Outfall Structure

Photo 51. Node 352 - Looking at Structure

Photo 52. Node 354 - Looking at Culvert

Photo 53. Node 354 - Looking Downstream

Photo 54. Node 355 - Looking at Culvert

Photo 55. Node 355 - Looking Downstream

Photo 56. Node 355 - Looking Upstream

Photo 57. Node 357 - Looking at Pond from Upstream

Photo 58. Node 369 - Looking at Outlet Culvert

Photo 59. Node 369 - Looking at Pond

Photo 60. Node 369 - Looking at Inlet Culvert

Photo 61. Node 397 - Looking at Culvert

Photo 62. Node 397 - Looking Upstream

Photo 63. Node 398 - Looking at Culvert

Photo 64. Node 398 - Looking Downstream

Photo 65. Node 423 - Looking at Culvert

Photo 66. Node 423 - Looking Upstream

Photo 67. Node 424 - Looking Downstream

Photo 68. Node 448 - Looking at Culvert

Photo 69. Node 448 - Looking Upstream

Photo 70. Node 449 - Looking at Culvert

Photo 71. Node 449 - Looking at Pipe Entering Side of Ditch

Photo 72. Node 449 - Looking Downstream

Photo 73. Node 462 - Looking Upstream

Photo 74. Node 464 - Looking at Inlet Pipe from Roadside Drainage

Photo 75. Node 464 - Looking at Culvert

Photo 76. Node 464 - Looking Downstream

Photo 77. Node 468.1 - Looking at Lake

Photo 78. Node 468.1 - Looking at Lake (2)

Photo 79. Node 468.1 - Looking at Lake's Outfall Structure

Photo 80. Node 468.1 - Looking at Weir

Photo 81. Node 469 - Looking at Culvert

Photo 82. Node 469 - Looking Downstream

Photo 83. Node 471 - Looking at Culvert

Photo 84. Node 471 - Looking Upstream

Photo 85. Node 476 - Looking Downstream

Photo 86. Node 493 - Looking at Inlet Pipe (North)

Photo 87. Node 493 - Looking at Outlet Pipe

Photo 88. Node 502 - Looking at Culvert

Photo 89. Node 502 - Looking at Culvert (2)

Photo 90. Node 502 - Looking at Downstream Ditch

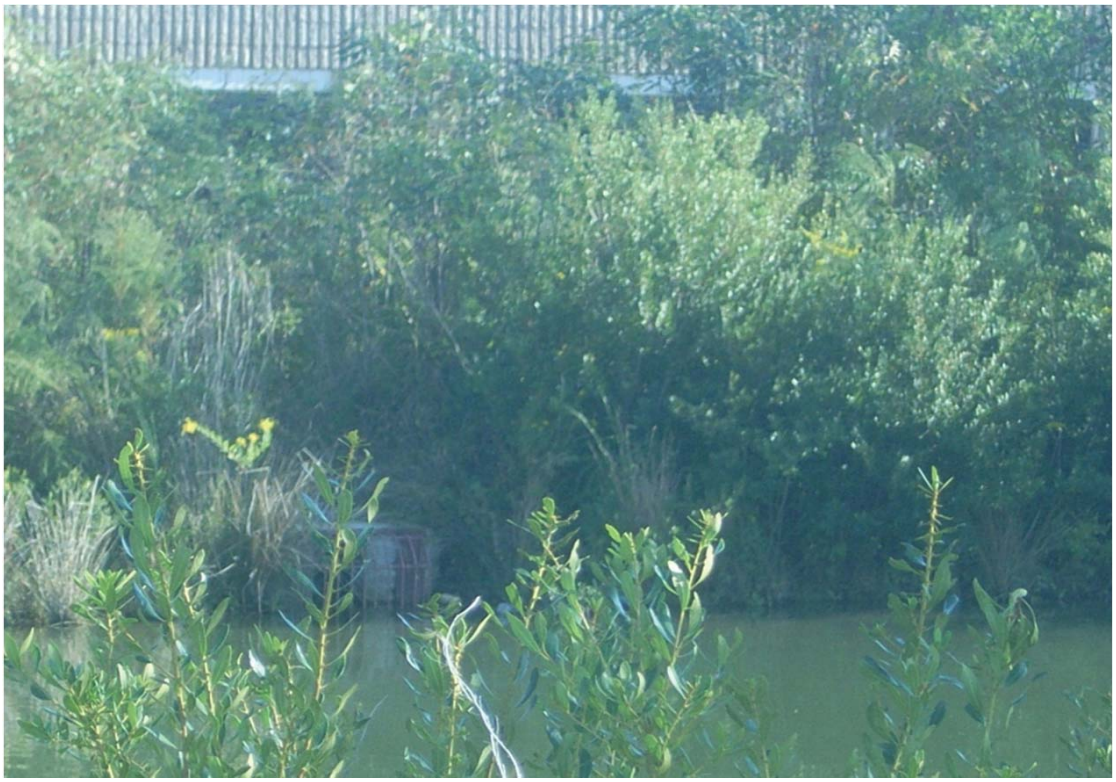


Photo 91. Node 505 - Looking at Pond's Outlet Structure

Photo 92. Node 505 - Looking at Pond

Photo 93. Node 517 - Looking at Culvert

Photo 94. Node 517 - Looking Upstream

Photo 95. Node 518 - Looking Downstream

Photo 96. Node 538 - Looking at Culvert

Photo 97. Node 539 - Looking Downstream

Photo 98. Node 563 - Looking at Culvert

Photo 99. Node 563 - Looking at Culvert (2)

Photo 100. Node 563 - Looking Downstream (Far View)

Photo 101. Node 563 - Looking Downstream

Photo 102. Node 567 - Looking at Culvert

Photo 103. Node 567 - Looking Downstream

Photo 104. Node 568 - Looking Upstream

Photo 105. Node 570 - Looking at Culver (Far View)

Photo 106. Node 570 - Looking at Culvert Blockage

Photo 107. Node 571 - Looking at Culvert

Photo 108. Node 571 - Looking Downstream

Photo 109. Node 577 - Looking into Downstream Structure

Photo 110. Node 577 - Looking into Structure

Photo 111. Node 578 - Looking at Pipe End

Photo 112. Node 579 - Looking Downstream

Photo 113. Node 583 - Looking at Pipe

Photo 114. Node 583 - Looking Downstream

Photo 115. Node 596 - Looking at Culvert

Photo 116. Node 596 - Looking Upstream

Photo 117. Node 597 - Looking Downstream

Photo 118. Node 613 - Collapse in Road

Photo 119. Node 613 - Looking at Pipe End

Photo 120. Node 615 - Looking at Pipe End

Photo 121. Node 615 - Looking Downstream

Photo 122. Node 616 - Looking Upstream

Photo 123. Node 617 - Looking at Culvert

Photo 124. Node 617 - Looking Downstream

Photo 125. Node 636 - Looking at Structure

Photo 126. Node 636 - Looking in Structure (2)

Photo 127. Node 636 - Looking in Structure (3)

Photo 128. Node 636 - Looking in Structure (4)

Photo 129. Node 636 - Looking in Structure (5)

Photo 130. Node 666 - Looking Downstream

Photo 131. Node 666 - Looking Upstream

Photo 132. Intersection of Providence Road and Estella Drive

Photo 133. Intersection of Providence Road and Estella Drive (2)

Photo 134. Intersection of Providence Road and Estella Drive (3)

Photo 135. Intersection of Providence Road and Estella Drive (4)

Photo 136. Node 690 - Looking at Culvert (Side View)

Photo 137. Node 690 - Looking at Culvert

Photo 138. Node 690 - Looking at Aerial Pipe in Front of Culvert

Photo 139. Node 690 - Looking Upstream

Photo 140. Node 691.2 - Looking at Structure (Far View)

Photo 141. Node 691.2 - Looking into Manhole

Photo 142. Node 692 - Looking at Structure

Photo 143. Node 695 - Looking at Pond

Photo 144. Node 695 - Looking at Upstream Culvert

Photo 145. Node 695 - Looking at Pond from Downstream

Photo 146. Node 697 - Looking at Structure (Far View)

Photo 147. Node 697 - Looking at Structures

Photo 148. Node 698 - Looking at Pond

Photo 149. Node 698 - Looking at Inlet Structure

Photo 150. Node 698 - Looking at Inlet Structure (2)

Photo 151. Node 712 - Looking at Inlet Weir

Photo 152. Node 712 - Looking at Outlet Weir

Photo 153. Node 712 - Looking Outlet Culvert

Photo 154. Node 713 - Looking at Culvert

Photo 155. Node 713 - Looking Downstream

Photo 156. Node 764 - Looking at Downstream Side of Culvert

Photo 157. Node 764 - Looking at Upstream Side of Culvert

Photo 158. Node 764 - Looking Downstream Toward Node 765

Photo 159. Node 764 - Looking Upstream

Photo 160. Node 765 - Looking at Culvert

Photo 161. Node 768 - Looking at Pipe End

Photo 162. Node 768 - Looking Upstream

Photo 163. Node 778 - Looking at Culvert

Photo 164. Node 778 - Looking Downstream

Photo 165. Node 780 - Looking at Culvert

Photo 166. Node 780 - Looking Upstream

Photo 167. Node 784 - Looking Downstream

Photo 168. Node 784 - Looking at Culverts

Photo 169. Node 785 - Looking at Culvert

Photo 170. Node 785 - Looking Upstream

Photo 171. Node 785 - Looking Upstream (2)

Photo 172. Node 786 - Looking Downstream

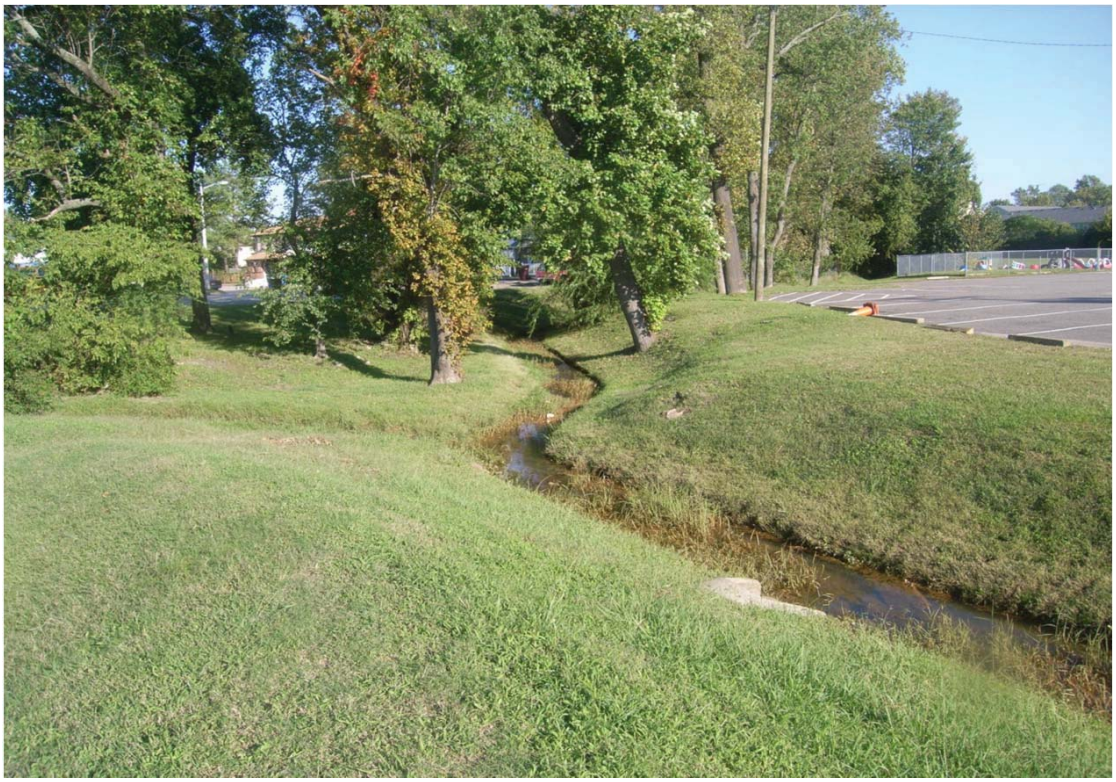


Photo 173. Node 786 - Looking Downstream Toward Node 787

Photo 174. Node 787 - Looking Downstream

Photo 175. Node 789 - Looking Downstream

Photo 176. Node 789 - Looking Upstream

Photo 177. Node 794 - Looking at General Area

Photo 178. Node 794 - Looking at General Area (2)

Photo 179. Node 794 - Looking Downstream

Photo 180. Node 794 - Looking Upstream

Photo 181. Node 807 - Looking at Culvert

Photo 182. Node 807 - Looking Upstream

Photo 183. Node 808 - Looking at Culvert

Photo 184. Node 808 - Looking Downstream

Photo 185. Node 850 - Looking at Culvert

Photo 186. Node 850 - Looking Downstream

Photo 187. Node 888 - Looking at Culvert

Photo 188. Node 888 - Looking Downstream

Photo 189. Node 905 - Looking at Downstream Ditch

Photo 190. Node 907 - Looking at Pipe End

Photo 191. Node 907 - Looking Downstream

Photo 192. Node 907 - Looking Upstream

Photo 193. Node 925 - Looking at Downstream Ditch

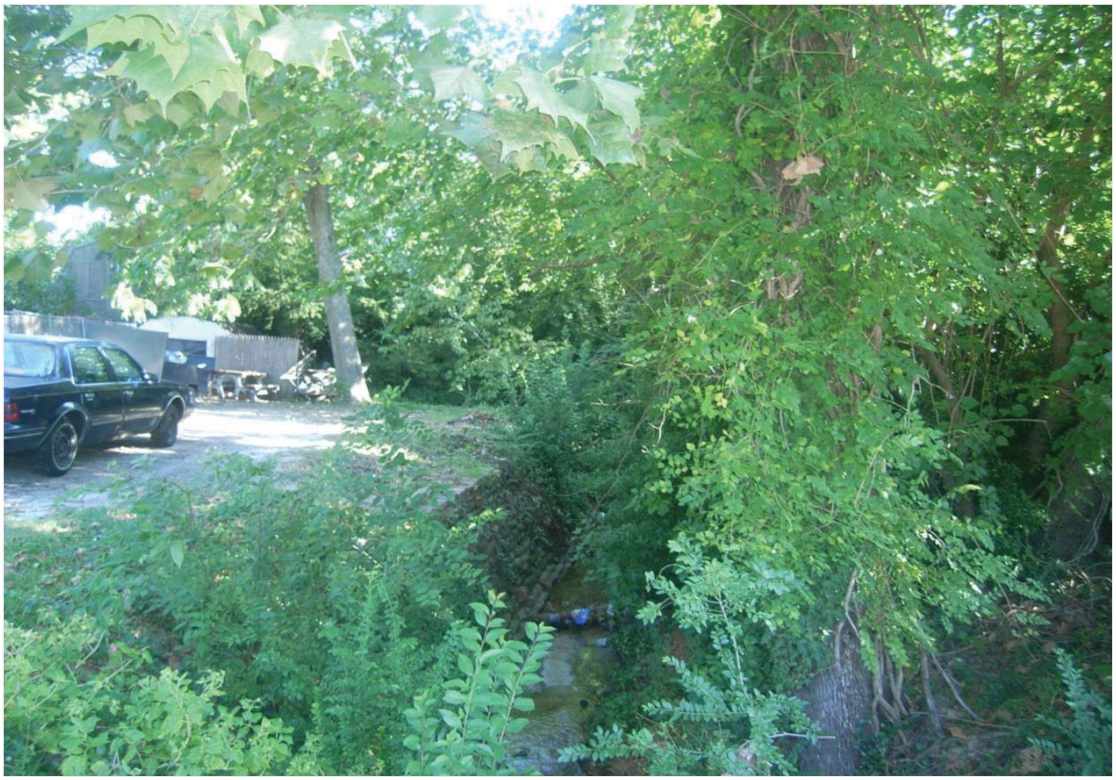


Photo 194. Node 925 - Looking at Downstream Ditch (2)

Photo 195. Node 935 - Looking Upstream

Photo 196. Node 936 - Looking Downstream