

Appendix 4

VTrans IDDE - Outfall Photographs



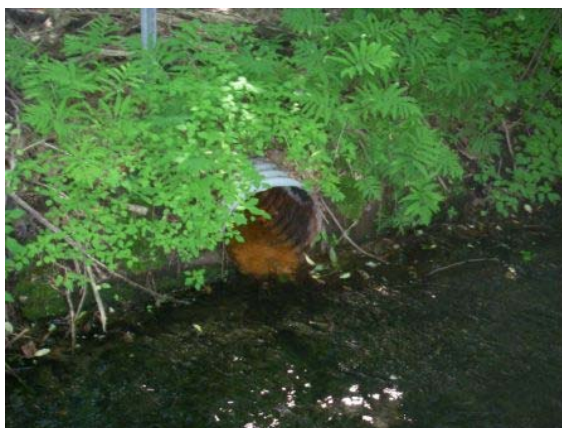
Outfall 1: 18" CMP



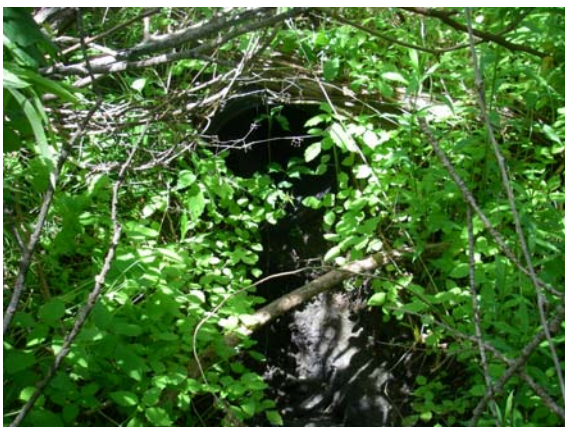
Outfall 4: 18" CMP



Outfall 2: 18" CMP



Outfall 5: 18" CMP



Outfall 3: 15" HDPE



Outfall 6: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 7: 240" CMP



Outfall 10: 18" RCP



Outfall 8: 18" CMP



Outfall 11: 18" HDPE



Outfall 9: 18" CMP



Outfall 13: 48" RCP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 14: 18" CMP



Outfall 17: 36" RCP



Outfall 15: 4" PVC



Outfall 18 : 24" CMP



Outfall 16: 36" CMP



Outfall 19: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 20: 36" CMP



Outfall 24: 24" CMP



Outfall 21: 18" CMP



Outfall 25: 60" CMP



Outfall 23: 24" RCP



Outfall 26: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 27: 18" CMP



Outfall 30: 60" CMP



Outfall 28: 18" CMP



Outfall 31: 24" HDPE



Outfall 29: 18: CMP



Outfall 32: 12" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 33: 18" CMP



Outfall 36: 18" CMP



Outfall 34: 0" Other



Outfall 37: 24" RCP



Outfall 35: 18" CMP



Outfall 38: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 39: 66" RCP



Outfall 43: 24" CMP



Outfall 41: 12" HDPE



Outfall 44: 18" RCP



Outfall 42: 18" CMP



Outfall 45: 0" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 46: 36" CMP



Outfall 49: 24" RCP



Outfall 47: 18" CMP



Outfall 50: 12" CMP



Outfall 48: 72" RCP



Outfall 51: 12" PVC

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 51A: 24" RCP



Outfall 56: 18" HDPE



Outfall 53: 18" CMP



Outfall 57: 18" HDPE



Outfall 55: 24" CMP



Outfall 58: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 59: 18" HDPE



Outfall 63: 48" CMP



Outfall 61: Other



Outfall 64: 24" HDPE



Outfall 62: 18" HDPE



Outfall 65: 12" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 66: 15" HDPE



Outfall 69: 36" CMP



Outfall 67: 24" HDPE



Outfall 70: 60" CMP



Outfall 68: 30" Other



Outfall 71: Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 72: 30" Steel



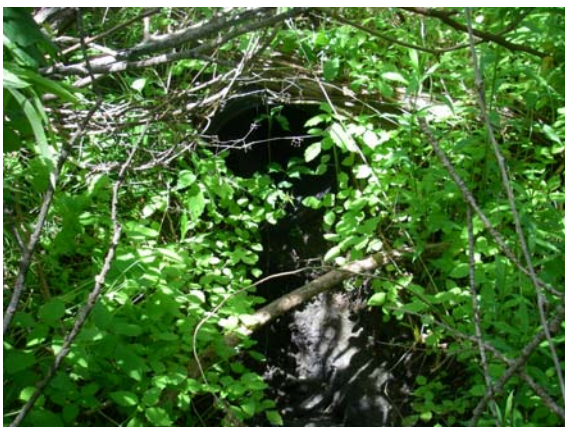
Outfall 75: 12" CMP



Outfall 73: 18" Other



Outfall 76: 15" HDPE



Outfall 74: 12" CMP



Outfall 77: 16" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 78: 16" CMP



Outfall 81: 15" HDPE



Outfall 79: 500" Other



Outfall 82: 36" CMP



Outfall 80: 12" CMP



Outfall 83: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 84: 24" HDPE



Outfall 87: 16" HDPE



Outfall 85: 24" CMP



Outfall 88: 15" CMP



Outfall 86: Other



Outfall 89: 15" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 90: 26" Other

Photograph Missing

Outfall 93: 28" RCP



Outfall 91: 48" CMP



Outfall 94: 12" HDPE



Outfall 92: 36" CMP



Outfall 95: 12" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 96: 15" CMP



Outfall 102: 12" CMP



Outfall 97: 15" CMP



Outfall 103: 18" CMP



Outfall 99: 15" CMP



Outfall 104: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 106:: 0" Other



Outfall 113: 12" PVC



Outfall 111:18" CMP



Outfall 114: 12" PVC



Outfall 112: 36" RCP



Outfall 115: 48" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 116: 12" PVC



Outfall 119: 12" HDPE



Outfall 117: 18" RCP



Outfall 120: 18" HDPE



Outfall 118: 24" Other



Outfall 121: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 122: 12" CMP



Outfall 125: 12" HDPE



Outfall 123: 12" CMP



Outfall 126: 15" HDPE



Outfall 124: 24" RCP



Outfall 127: 24" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 128: 12" HDPE



Outfall 131: 18" CMP



Outfall 129: 24" HDPE



Outfall 132: 18" CMP



Outfall 130: 18" RCP



Outfall 133: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 134: 18" RCP



Outfall 137: 18" RCP



Outfall 135: 18" RCP



Outfall 138: 18" HDPE



Outfall 136: 24" RCP



Outfall 139: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 140: 18" CMP



Outfall 147: 12" CMP



Outfall 145: 18" CMP



Outfall 148: 72" CMP



Outfall 146: 18" CMP



Outfall 149: 72" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 150: 72" CMP



Outfall 154: 18" CMP



Outfall 152: 12" CMP



Outfall 155: 18" CMP



Outfall 153: 18" CMP



Outfall 156: 0" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 157: 18" CMP



Outfall 160: 24" RCP



Outfall 158: 18" RCP



Outfall 161: 6" CMP



Outfall 159: 24" RCP



Outfall 162: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 163: 12" CMP



Outfall 166: 24" CMP



Outfall 164: 18" RCP



Outfall 167: 30" CMP



Outfall 165: 48" CMP



Outfall 168: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall169: 18" CMP



Outfall 172: 18" CMP



Outfall 170: 18" CMP



Outfall 173: 18" CMP



Outfall 171: 12" CMP



Outfall 174: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 175: 30" CMP



Outfall 178: 60" RCP



Outfall 176: 36" CMP



Outfall 179: 18" CMP



Outfall 177: 18" CMP



Outfall 180: 12" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 181: 18" CMP



Outfall 184: 60" RCP



Outfall 182: 18" CMP



Outfall 185: 18" CMP



Outfall 183: 36" CMP



Outfall 186: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 187: 0" Other



Outfall 190: 36" CMP



Outfall 188: 105" RCP



Outfall 191: 9" RCP



Outfall 189: 12" CMP



Outfall 192: 0" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 193: 0" Other



Outfall 196: 60" CMP



Outfall 194: 12" CMP



Outfall 194: 164" RCP



Outfall 195: 15" CMP



Outfall 199: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 200: 24" CMP



Outfall 203: 24" CMP



Outfall 201: 48" RCP



Outfall 204: 24" CMP



Outfall 202: 0" Other



Outfall 205: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 206: 18" RCP



Outfall 209: 15" CMP



Outfall 207: 12" CMP



Outfall 210: 24" CMP



Outfall 208: 18" CMP



Outfall 211: 0" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 212: 18" HDPE



Outfall 215: 15" CMP



Outfall 213: 12" HDPE



Outfall 216: 24" RCP



Outfall 214: 24" CMP



Outfall 217: 24" RCP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 218: 18" CMP



Outfall 223: 18" RCP



Outfall 219: 18" HDPE



Outfall 224: 18" RCP



Outfall 222: 18" CMP



Outfall 225: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 226: 60" CMP



Outfall 229: 24" CMP



Outfall 227: 12" CMP



Outfall 230: 24" CMP



Outfall 228: 48" CMP



Outfall 232: 18" RCP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 233: 12" CMP



Outfall 236: 15" CMP



Outfall 234: 15" CMP



Outfall 237: 15" CMP



Outfall 235: Other



Outfall 238: Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 239: 36" CMP



Outfall 242: 72" CMP



Outfall 240: 36" CMP



Outfall 243: 12" CMP



Outfall 241: 42" Other



Outfall 244: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 245: 30" RCP



Outfall 249: 18" HDPE



Outfall 246: 12" PVC



Outfall 250: 24" CMP



Outfall 247: 36" RCP



Outfall 251: 36" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 252: 0" Other



Outfall 254: 30" CMP



Outfall 252A: 24" CMP



Outfall 255: 30" CMP



Outfall 253: 0" Other



Outfall 256: 18" Steel

Appendix 4

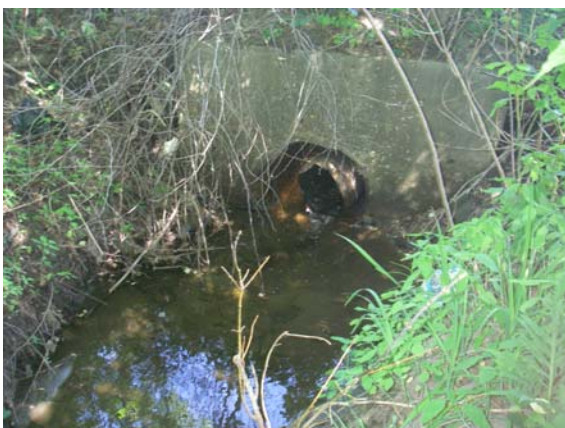
VTrans IDDE - Outfall Photographs



Outfall 257: 18: HDPE



Outfall 260: 24" HDPE



Outfall 258: 18" CMP



Outfall 261: 32" HDPE



Outfall 259: 18" HDPE



Outfall 262: 24" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 263: 24" HDPE



Outfall 266: 24" HDPE



Outfall 264: 15" HDPE



Outfall 267: 24" RCP



Outfall 265: 24" HDPE



Outfall 268: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 269: 18" RCP



Outfall 272: 48" CMP



Outfall 270: 18" CMP



Outfall 273: 18" CMP



Outfall 271: 24" RCP



Outfall 274: 0" Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 275: 36" CMP



Outfall 278: 18" CMP



Outfall 276: 18" CMP



Outfall 279: 24" CMP



Outfall 277: 24" CMP



Outfall 280: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 281: 0" Other



Outfall 285: 18" HDPE



Outfall 283: 12" CMP



Outfall 286: 18" RCP



Outfall 284: 24" RCP



Outfall 287: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 288: 15" RCP



Outfall 291: 18" CMP



Outfall 289: 18" CMP



Outfall 292: 24" CMP



Outfall 290: 18" CMP



Outfall 293: 24" RCP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 294: 18" CMP



Outfall 296: 0" Other



Outfall 294: 18" CMP



Outfall 297: 18" CMP



Outfall 295: 18" CMP



Outfall 298: 18" CMP

Appendix 4

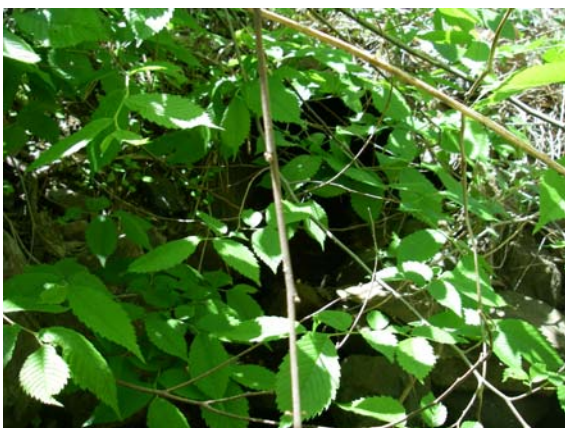
VTrans IDDE - Outfall Photographs



Outfall 300: 30" CMP



Outfall 303: 18" CMP



Outfall 301: 24" CMP



Outfall 304: 18" CMP



Outfall 302: 18" CMP



Outfall 305: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 306: 18" CMP



Outfall 309: 18" CMP



Outfall 307: 18" CMP



Outfall 310: 18" CMP



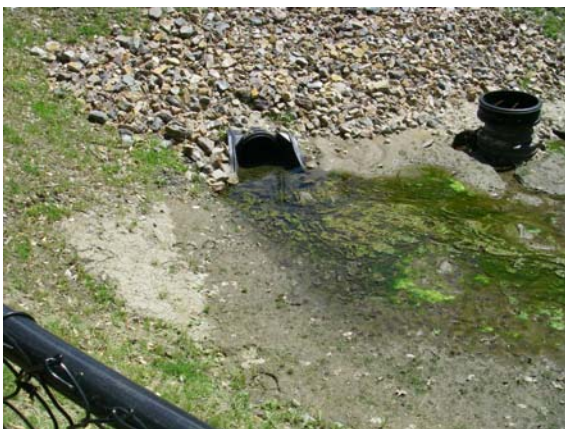
Outfall 308: 18" CMP



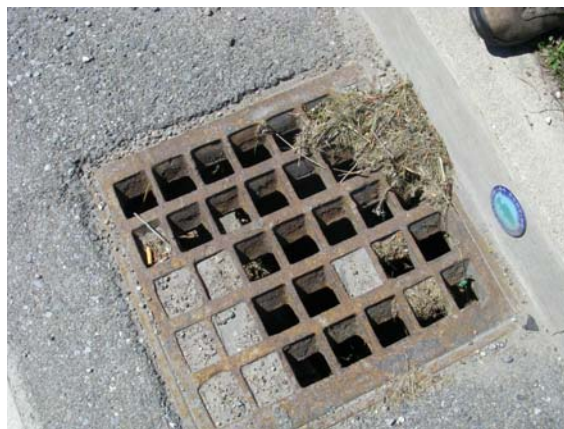
Outfall 311: 18" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 312: 24" HDPE



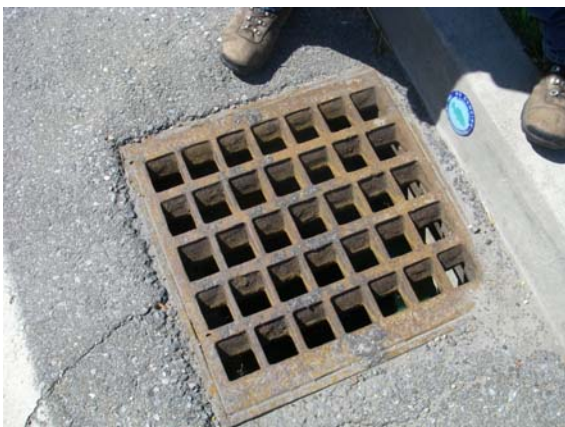
Outfall 315: 15" PVC



Outfall 313: 16" PVC



Outfall 316: 18" PVC



Outfall 314: 12" PVC



Outfall 317: 12" PVC

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 318: 15" PVC



Outfall 321: 18" CMP



Outfall 319: 30" CMP



Outfall 323: 30" HDPE



Outfall 320: 24" CMP



Outfall 324: 24" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 325: 12" CMP



Outfall 328: 24" RCP



Outfall 326: 15" HDPE



Outfall 329: 24" RCP



Outfall 327: 15" HDPE



Outfall 330: 30" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 331: 18" HDPE



Outfall 420: 24" CMP



Outfall 332: 36" HDPE



Outfall 532: 24" CMP



Outfall 333: 24" CMP



Outfall 533: Other

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 534: 24" HDPE



Outfall 537: 24" HDPE



Outfall 535: 24" CMP



Outfall 538: 24" CMP



Outfall 536: 24" HDPE



Outfall 539: 24" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 540: 24" HDPE



Outfall 543: 18" HDPE



Outfall 541: 24" CMP



Outfall 544: 15" Other



Outfall 542: 24" CMP



Outfall 645: 18" RCP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 646: 12" RCP



Outfall 649: 18" HDPE



Outfall 647: 15" CMP



Outfall 650: 15" CMP



Outfall 648: 24" CMP



Outfall 651: 0" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 652: 96: CMP



Outfall 656: 0'' CMP



Outfall 653: Other



Outfall 705: 12'' CMP



Outfall 655: 12'' CMP



Outfall 709: 24'' CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 710: 15" CMP



Outfall 748: 15" HDPE



Outfall 746: 15" HDPE



Outfall 823: 18" HDPE



Outfall 747: 15" HDPE



Outfall 824: 18" HDPE

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 826: 18" HDPE



Outfall 829: 15" CMP



Outfall 827: 18" HDPE



Outfall 830: 18" RCP



Outfall 828: 18" CMP



Outfall 831: 24" CMP

Appendix 4

VTrans IDDE - Outfall Photographs



Outfall 832: 18" CMP



Outfall 833: 18" RCP