

STORM SEWER SCHEDULE

| No. | STRUCTURE PT. - PT. | RUBBER GASKET, CLASS A, TYPE 1 | | | | | WATER MAIN REQUIREMENTS | | | | TRENCH BACKFILL (CU YD) |
|--------|---------------------|--------------------------------|------------|------------|------------|------------|-------------------------|------------|------------|------------|-------------------------|
| | | 12" (FOOT) | 15" (FOOT) | 18" (FOOT) | 24" (FOOT) | 36" (FOOT) | 12" (FOOT) | 15" (FOOT) | 18" (FOOT) | 21" (FOOT) | |
| 1 | 3 - DITCH | | | | 104 | | | | | | 0 |
| 3 | 4 - 3 | | | | 77 | | | | | | 11 |
| 4 | 5 - 4 | 32 | | | | | | | | | 4 |
| 5 | 6 - 4 | | | 173 | | | | | | | 24 |
| 6 | 7 - 6 | 40 | | | | | | | | | 5 |
| 7 | EX1 - 6 | | | | | | 102 | | | | 11 |
| 8 | 8 - EX2 | | | | | 23 | | | | | 6 |
| 9 | 9 - 8 | | 128 | | | | | | | | 42 |
| 10 | 10 - 9 | 43 | | | | | | | | | 6 |
| 11 | 12 - 11 | 38 | | | | | | | | | 5 |
| 12 | 11 - 13 | | | | | 122 | | | | | 39 |
| 13 | 14 - 13 | | 16 | | | | | | | | 0 |
| 14 | 15 - 14 | | 34 | | | | | | | | 8 |
| 15 | 16 - 14 | | 126 | | | | | | | | 38 |
| 16 | 17 - 16 | 31 | | | | | | | | | 4 |
| 17 | 19 - 18 | 31 | | | | | | | | | 4 |
| 18 | 18 - 21 | | | | | | 177 | | | | 21 |
| 19 | 21 - 20 | | | | 7 | | | | | | 0 |
| 20 | 22 - 21 | | | | | | | | 36 | | 7 |
| 21 | 23 - 22 | | | | | | 38 | | | | 5 |
| 22 | 25 - 22 | | | | | | | 113 | | | 27 |
| 23 | 26 - 25 | | | | | 38 | | | | | 2 |
| 24 | 27 - 28 | | 157 | | | | | | | | 19 |
| 25 | 28 - 29 | | | | 7 | | | | | | 0 |
| 26 | 30 - 28 | | | | 31 | | | | | | 8 |
| 27 | 30 - 29 | | | | 22 | | | | | | 0 |
| 28 | 31 - 28 | | | 173 | | | | | | | 31 |
| 29 | 32 - 31 | 31 | | | | | | | | | 4 |
| 30 | 33 - 29 | | 140 | | | | | | | | 31 |
| 31 | 34 - 33 | 31 | | | | | | | | | 4 |
| 32 | 36 - 35 | 47 | | | | | | | | | 6 |
| 33 | 35 - 37 | | 145 | | | | | | | | 34 |
| 34 | 37 - 38 | | 18 | | | | | | | | 0 |
| 35 | 39 - 34 | | 46 | | | | | | | | 5 |
| 36 | 40 - 39 | 105 | | | | | | | | | 25 |
| 37 | 40 - 41 | 43 | | | | | | | | | 6 |
| 38 | 43 - 42 | | | 104 | | | | | | | 0 |
| 39 | 44 - 43 | 36 | | | | | | | | | 5 |
| 40 | 45 - 43 | | 140 | | | | | | | | 34 |
| 41 | 46 - 45 | | 31 | | | | | | | | 4 |
| 42 | 47 - 45 | 35 | | | | | | | | | 5 |
| 43 | 48 - 46 | 35 | | | | | | | | | 7 |
| TOTALS | | 578 | 981 | 450 | 188 | 60 | 183 | 317 | 113 | 36 | 494 |

STORM SEWER & DRAINAGE STRUCTURE SCHEDULE

| PT | LOCATION STATION / OFFSET | DESCRIPTION | TOP MASONRY (1) | FLOWLINE | | | |
|------|---------------------------|--------------------------------------|-----------------|----------|--------|--------|--------|
| | | | | N | S | E | W |
| 3 | 3+37.00 17.5'R | INLET SPECIAL - 4'X4' | 546.92 | 543.44 | 543.24 | | |
| 4 | 4+18.00 17.5'R | INLET SPECIAL - 4'X4' | 546.65 | 543.87 | 543.67 | | 543.77 |
| 5 | 4+18.00 18.5'L | INLET SPECIAL - 4'X4' | 546.63 | | | 544.12 | |
| 6 | 5+95.00 17.5'R | INLET SPECIAL - 4'X4' | 547.95 | 544.94 | 544.74 | | 544.84 |
| 7 | 5+95.00 24.3'L | INLET SPECIAL - 4'X4' | 547.84 | | | 545.33 | |
| EX 1 | 6+99.27 26.4'R | EXISTING INLET | | 546.93 | 546.83 | | |
| EX 2 | 7+43.21 27.0'R | EXISTING INLET | | 547.26 | 547.16 | | |
| 8 | 7+67.64 17.5'R | INLET SPECIAL - 4'X4' | 551.43 | 547.83 | 547.63 | | |
| 9 | 9+00.00 17.5'R | INLET SPECIAL - 4'X4' | 554.34 | | 550.54 | | 550.74 |
| 10 | 9+00.00 29.5'L | INLET SPECIAL - 4'X4' | 554.16 | | | 551.17 | |
| 11 | 12+66.00 17.5'R | INLET SPECIAL - 4'X4' | 557.03 | 553.23 | | | 553.43 |
| 12 | 12+66.00 24.8'L | INLET SPECIAL - 4'X4' | 556.92 | | | 553.81 | |
| 13 | 13+82.00 26.4'R | 15" END SECTION | | | | 550.00 | |
| 14 | 13+95.00 17.5'R | INLET SPECIAL - 4'X4' | 555.38 | 550.68 | 550.68 | 550.78 | 550.58 |
| 15 | 13+95.00 20.6'L | INLET SPECIAL - 4'X4' | 555.33 | | | 551.73 | |
| 16 | 15+25.00 17.5'R | INLET SPECIAL - 4'X4' | 556.24 | | 553.24 | | 553.44 |
| 17 | 15+25.00 17.5'L | INLET SPECIAL - 4'X4' | 556.24 | | | 553.72 | |
| 18 | 18+39.00 17.5'R | INLET SPECIAL - 4'X4' | 555.72 | 552.12 | | | 552.32 |
| 19 | 18+39.00 17.5'L | INLET SPECIAL - 4'X4' | 555.72 | | | 552.63 | |
| 20 | 20+19.27 32.0'R | EXISTING 36" CMP PIPE CULVERT | | | | | 550.66 |
| 21 | 20+20.10 22.5'R | MANHOLE, T A, 5' DIA., TYPE 24 F&G * | 553.13 | 550.86 | 550.86 | 550.76 | |
| 22 | 20+58.00 24.5'R | INLET SPECIAL - 4'X4' | 554.32 | 551.33 | 551.13 | | 551.23 |
| 23 | 20+58.00 17.5'L | INLET SPECIAL - 4'X4' | 554.43 | | | 551.71 | 551.91 |
| 24 | 21+75.00 24.5'R | INLET SPECIAL - 4'X4' | 554.59 | | 551.90 | | 552.00 |
| 25 | 21+75.00 17.5'L | INLET SPECIAL - 4'X4' | 554.70 | | | 552.19 | |
| 26 | 23+56.84 24.5'R | INLET SPECIAL - 4'X4' | 554.33 | 550.73 | | | |
| 27 | 25+17.17 17.5'R | INLET SPECIAL - 4'X4' | 552.66 | 548.47 | | 548.37 | 548.57 |
| 28 | 25+16.00 25.4'R | 36" END SECTION | | 548.33 | | | |
| 29 | 25+23.00 15.5'L | MANHOLE, T A, 5' DIA., TYPE 24 F&G * | 551.90 | | | 548.67 | 548.87 |
| 30 | 25+43.21 30.3'L | PIPE ELBOW 36" - 22W BEND | | 550.50 | 550.47 | | |
| 31 | 26+97.50 17.5'R | INLET SPECIAL - 4'X4' | 554.83 | 551.43 | 551.23 | | 551.33 |
| 32 | 26+97.50 17.5'L | INLET SPECIAL - 4'X4' | 554.83 | | | 551.74 | |
| 33 | 28+38.50 17.5'R | INLET SPECIAL - 4'X4' | 557.55 | | 553.95 | | 554.15 |
| 34 | 28+38.50 17.5'L | INLET SPECIAL - 4'X4' | 557.52 | | | 554.46 | |
| 35 | 31+77.00 27.2'R | INLET SPECIAL - 4'X4' | 557.80 | 555.11 | | | 555.21 |
| 36 | 31+77.00 23.5'L | INLET SPECIAL - 4'X4' | 557.86 | | | 555.35 | |
| 37 | 33+20.00 27.1'R | INLET SPECIAL - 4'X4' | 558.43 | 554.58 | 554.78 | 554.68 | |
| 38 | 33+17.93 46.9'R | 15" END SECTION | | 554.43 | | | |
| 39 | 33+20.00 23.5'L | INLET SPECIAL - 4'X4' | 558.48 | | | 555.29 | 555.49 |
| 40 | 34+35.00 23.4'L | INLET SPECIAL - 4'X4' | 559.77 | 556.74 | | | 556.54 |
| 41 | 34+35.00 23.3'R | INLET SPECIAL - 4'X4' | 559.77 | | 557.17 | | |
| 42 | 34+75.00 36.5'R | 18" END SECTION | | 557.78 | | | |
| 43 | 35+70.00 19.9'R | INLET SPECIAL - 4'X4' | 561.47 | | 558.56 | 558.66 | 558.46 |
| 44 | 35+70.00 20.0'L | INLET SPECIAL - 4'X4' | 561.47 | 558.89 | | | |
| 45 | 37+12.50 17.4'R | INLET SPECIAL - 4'X4' | 563.25 | | 559.85 | 560.05 | 559.95 |
| 46 | 37+12.50 17.5'L | INLET SPECIAL - 4'X4' | 563.25 | 560.25 | | 560.45 | |
| 47 | 37+50.00 17.5'R | 12" END SECTION | | | | | 561.74 |
| 48 | 37+50.00 17.5'L | 12" END SECTION | | | | | 561.59 |

(1) - INCLUDES LID FOR INLET SPECIAL NOTE: OFFSETS TO ALL INLETS ARE TO THE CENTER OF THE DRAINAGE STRUCTURE. A CONCENTRIC CENTER STRUCTURE WAS USED TO CALCULATE THIS DISTANCE.
 (*) - DENOTES FLAT SLAB TOP

| | | | | |
|---------------------|------------------------|------------------|-----------------|----------------|
| ROUTE 9170 | SECTION 03-00054-00-RP | COUNTY ST. CLAIR | TOTAL SHEETS 41 | SHEET NUMBER 6 |
| STA. 2+22.78 | | TO | STA. 37+18.35 | |
| FEDERAL AID PROJECT | | CONTRACT 97335 | | |

DRAINAGE REMOVAL SCHEDULE

| LOCATION | DESCRIPTION | PIPE CULVERT REMOVAL | REMOVING INLETS |
|----------------|-----------------|----------------------|-----------------|
| | | FOOT | EACH |
| STA. 3+54 RT. | 15" CMP | 24 | |
| STA. 5+45 LT. | 18" CMP | 20 | |
| STA. 6+85 RT. | 12" CMP | 27 | |
| STA. 7+58 RT. | 12" CMP | 28 | |
| STA. 8+25 RT. | 12" CMP | 24 | |
| STA. 9+58 RT. | 12" CMP | 30 | |
| STA. 11+65 RT. | 12" CMP | 56 | |
| STA. 12+38 RT. | 12" CMP | 20 | |
| STA. 13+80 C | 18" CMP | 40 | |
| STA. 14+87 LT. | 12" CMP | 20 | |
| STA. 14+99 RT. | 12" CMP | 20 | |
| STA. 19+14 LT. | 12" RCCP | 26 | |
| STA. 20+20 RT. | | | 1 |
| STA. 20+31 RT. | 24" CMP | 22 | |
| STA. 20+43 RT. | | | |
| STA. 20+43 C | 24"X42" CMP | 36 | 1 |
| STA. 20+90 RT. | 12" CMP | 22 | |
| STA. 21+10 LT. | 12" CMP | 20 | |
| STA. 21+49 RT. | 8" CMP | 14 | |
| STA. 24+13 LT. | 12" RCCP | 26 | |
| STA. 25+17 C | 28"X40" CMP | 36 | |
| STA. 25+42 LT. | 36" END SECTION | 5 | |
| STA. 25+45 RT. | 12" CMP | 40 | |
| STA. 26+65 RT. | 12" CMP | 49 | |
| STA. 27+16 RT. | 12" RCCP | 25 | |
| STA. 33+18 RT. | 18" CMP | 43 | |
| STA. 34+97 RT. | 18" CMP | 24 | |
| STA. 51+26 C | 12" CMP | 49 | |
| STA. 60+67 LT. | 18" CMP | 21 | |
| TOTAL | | 767 | 2 |

EARTHWORK SCHEDULE

| STAGE | LOCATION | EARTH EXCAVATION | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) | FURNISHED EXCAVATION |
|-------|-------------------|------------------|---|------------|---|----------------------|
| | | CU YD | CU YD | | | |
| 1 | 39+18.35 TO 30+30 | 718 | 539 | 642 | -103 | 0 |
| 1 | 60+20 TO 61+50 | 440 | 330 | 10 | +320 | 0 |
| 1a | 50+20 TO 52+20.88 | 14 | 11 | 82 | -71 | 0 |
| 2 | 30+30 TO 20+15 | 505 | 379 | 602 | -223 | 77 |
| 3 | 20+15 TO 11+30 | 597 | 448 | 348 | +100 | 77 |
| 4 | 11+30 TO 7+25 | 171 | 128 | 353 | -225 | 125 |
| 5 | 7+25 TO 2+22.78 | 294 | 221 | 177 | +44 | 125 |
| TOTAL | | 2,739 | 2,056 | 2,214 | -158 | 125 |

SEEDING / EROSION CONTROL SCHEDULE

| STAGE | LOCATION | SEEDING CLASS 1 ACRE | MULCH METHOD 2 ACRE | FERTILIZER NUTRIENTS | | | TEMPORARY EROSION CONTROL SEEDING POUND | PERIMETER EROSION BARRIER FOOT | INLET AND PIPE PROTECTION EACH | TEMPORARY DITCH CHECKS EACH |
|-------|-------------------|----------------------|---------------------|----------------------|------------------|-----------------|---|--------------------------------|--------------------------------|-----------------------------|
| | | | | NITROGEN POUND | PHOSPHORUS POUND | POTASSIUM POUND | | | | |
| 1 | 37+18.35 TO 30+30 | 0.63 | 0.63 | 56.7 | 56.7 | 56.7 | 83 | | 4 | |
| 2 | 30+30 TO 20+15 | 0.49 | 0.49 | 44.1 | 44.1 | 44.1 | 49 | 200 | | |
| 3 | 20+15 TO 11+30 | 0.46 | 0.46 | 41.4 | 41.4 | 41.4 | 46 | 200 | | |
| 4 | 11+30 TO 7+25 | 0.18 | 0.18 | 16.2 | 16.2 | 16.2 | 18 | | | |
| 5 | 7+25 TO 2+22.78 | 0.17 | 0.17 | 15.3 | 15.3 | 15.3 | 17 | | 1 | |
| TOTAL | | 1.93 | 1.93 | 173.7 | 173.7 | 173.7 | 193 | 400 | 4 | |

PAVING SCHEDULE

| STAGE | LOCATION | PROCESSING MODIFIED SOIL 12" | LIME | SUB-BASE GRANULAR MATERIAL, TYPE A | HMA BINDER CRSE. IL-19.0, N70-4" | BIT. MATERIALS (PRIME COAT) GALLON | AGGREGATE (PRIME COAT) TON | HMA SURFACE CRSE., MIX "D", N70-2" TON | COMB. CONC. C&G B-6.24 FT |
|-------|---------------------|------------------------------|------|------------------------------------|----------------------------------|------------------------------------|----------------------------|--|---------------------------|
| | | SO YD | TON | TON | TON | | | | |
| 1 | 37+18.35 TO 30+30 | 3,052 | 59 | | 598 | | | | 1,119 |
| 1 | 60+20 TO 61+50 | 850 | 16 | | 53 | | | | 217 |
| 1a | 50+20 TO 52+20.88 | | | | 90 | | | | 177 |
| 2 | 30+30 TO 20+15 | | | 2,576 | 740 | | | | 2,034 |
| 3 | 20+15 TO 11+30 | 3,359 | 65 | | 641 | | | | 1,760 |
| 4 | 11+30 TO 7+25 | 1,940 | 37 | | 384 | | | | 693 |
| 5 | 7+25 TO 3+19.26 | 1,609 | 31 | | 311 | | | | 788 |
| 6 | 2+22.78 TO 37+18.35 | | | | | 1,015 | 20.4 | 1,658 | |
| TOTAL | | 10,810 | 208 | 2,576 | 2,817 | 1,015 | 20.4 | 1,658 | 6,788 |