

1. PROPOSED 372' OF 15" ADS N-12 @ 1.00%
2. PROPOSED 175' OF 15" ADS N-12 @ 1.21%
3. PROPOSED 273' OF 15" ADS N-12 @ 2.00%
4. PROPOSED 65' OF 18" ADS N-12 @ 1.15%
5. PROPOSED 260' OF 18" ADS N-12 @ 1.15%
6. PROPOSED 300' OF 18" ADS N-12 AND
FLARED END SECTION @ 2.50%
7. PROPOSED 50' OF 15" ADS N-12 @ 0.20%
8. PROPOSED 253' OF 15" ADS N-12 @ 0.20%
9. PROPOSED 375' OF 24" ADS N-12 @ 0.20%
10. PROPOSED 54' OF 12" ADS N-12 @ 1.00%
11. PROPOSED 253' OF 15" ADS N-12 @ 1.22%
12. PROPOSED 200' OF 15" ADS N-12 @ 0.76%
13. PROPOSED 165' OF 24" ADS AND
FLARED END SECTION @ 0.28%
15. PROPOSED 23' OF 36" RCP @ 0.50% W/ FLARED END SECTION
17. PROPOSED 100' OF 24" RCP FLARED END SECTION
18. PROPOSED 100' OF 48" RCP @ 0.20%
19. PROPOSED 13' OF 15" RCP @ 5.15% (FOUR LENGTHS)
20. PROPOSED 100' OF 48" RCP @ 0.20%
21. PROPOSED 50' OF 15" ADS N-12 @ 0.50%
22. PROPOSED 253' OF 18" ADS N-12 @ 0.40%
23. PROPOSED 435' OF 18" ADS N-12 @ 0.84% W/ FLARED END SECTION
24. PROPOSED 105' OF 15" ADS N-12 @ 0.09% W/ FLARED END SECTION
25. PROPOSED 278' OF 12" ADS N-12 @ 1.08%
26. PROPOSED 50' OF 15" ADS N-12 @ 0.40%
27. PROPOSED 200' OF 15" ADS N-12 @ 1.30%
28. PROPOSED 50' OF 12" ADS N-12 @ 0.40%
29. PROPOSED 210' OF 15" ADS N-12 @ 2.08%
30. PROPOSED 320' OF 15" ADS N-12 @ 1.66%
31. PROPOSED 268' OF 18" ADS N-12 @ 2.25%
32. PROPOSED 380' OF 24" ADS N-12 @ 0.60%
33. PROPOSED 425' OF 24" ADS N-12 @ 0.87% W/ FLARED END SECTION
35. PROPOSED 105' OF 38"X 60" RCP @ 0.40% (TWO LENGTHS)
36. PROPOSED 15' OF 15" RCP @ 1.00% (FOUR LENGTHS)
37. PROPOSED 50' OF 18" ADS N-12 @ 0.50%
38. PROPOSED 258' OF 18" ADS N-12 @ 1.06%
39. PROPOSED 130' OF 24" ADS N-12 @ 0.80%
40. PROPOSED 350' OF 12" ADS N-12 @ 0.44%
41. PROPOSED 238' OF 24" ADS N-12 @ 0.95% W/
FLARED END SECTION
42. PROPOSED 50' OF 15" ADS N-12 @ 0.34%
43. PROPOSED 258' OF 15" ADS N-12 @ 0.70%
44. PROPOSED 251' OF 24" ADS N-12 @ 1.01%
W/ FLARED END SECTION
45. PROPOSED 148' OF 30" ADS N-12 @ 0.40% W/ FLARED END
SECTION
46. PROPOSED 253' OF 18" ADS N-12 @ 0.47%
47. PROPOSED 50' OF 15" ADS N-12 @ 2.24%
48. PROPOSED 42' OF 15" ADS N-12 @ 0.55%
49. PROPOSED 250' OF 15" ADS N-12 @ 0.52%
50. PROPOSED 435' OF 24" ADS N-12 @ 0.30%
51. PROPOSED 198' OF 24" ADS N-12 @ 0.30%
52. PROPOSED 50' OF 12" ADS N-12 @ 1.00%
53. PROPOSED 175' OF 24" ADS N-12 @ 0.62%
54. PROPOSED 240' OF 24" ADS N-12 @ 0.55%
55. PROPOSED 305' OF 15" ADS N-12 @ 0.40%
56. PROPOSED 230' OF 15" ADS N-12 @ 1.62%
57. PROPOSED 15' OF 12" RCP @ 4.60% W/ FLARED END SECTION
W/ RESTRICTOR
58. PROPOSED 75' OF 21" RCP @ 3.70% W/ FLARED END SECTION
59. PROPOSED 12' OF 12" RCP W/ FLARED END SECTION W/ RESTRICTOR
60. PROPOSED 100' OF 15" ADS N-12 @ 0.30%
61. PROPOSED 50' OF 18" ADS N-12 @ 0.50%
62. PROPOSED 260' OF 18" ADS N-12 @ 0.54%
W/ FLARED END SECTION
63. PROPOSED 50' OF 12" ADS N-12 @ 1.12%
64. PROPOSED 253' OF 18" ADS N-12 @ 0.30%
65. PROPOSED 160' OF 24" ADS N-12 @ 0.40%
W/ FLARED END SECTION
66. PROPOSED 200' OF 18" ADS N-12 @ 0.33%
67. PROPOSED 175' OF 18" ADS N-12 @ 0.32%
68. PROPOSED 253' OF 15" ADS N-12 @ 0.41%
69. PROPOSED 50' OF 15" ADS N-12 @ 0.40%
70. PROPOSED 188' OF 36" ADS N-12 @ 0.20%
W/ FLARED END SECTION
71. PROPOSED 190' OF 18" ADS N-12 @ 0.20%
72. PROPOSED 70' OF 15" ADS N-12 @ 0.20%
73. PROPOSED 150' OF 8" PVC @ 1.21%
74. PROPOSED 10' OF 18" ADS N-12 @ 0.20%
75. PROPOSED 150' OF 36" ADS N-12 @ 0.20%
76. PROPOSED 130' OF 30" ADS N-12 @ 0.30%
77. PROPOSED 100' OF 24" ADS N-12 @ 0.33%
78. PROPOSED 12' RCP FLARED END SECTION
79. PROPOSED 253' OF 15" ADS N-12 @ 0.60%
80. PROPOSED 50' OF 12" ADS N-12 @ 0.50%
81. PROPOSED 354' OF 24" ADS N-12 @ 0.20%
W/ FLARED END SECTION
82. PROPOSED 10' OF 12" ADS N-12 @ 5.7% (2 LENGTHS)
83. PROPOSED 234' OF 15" ADS N-12 @ 1.16%
84. PROPOSED 45' OF 24" ADS N-12 @ 0.65%
W/ FLARED END SECTION
85. PROPOSED 305' OF 12" ADS N-12 @ 0.20%
86. PROPOSED 230' OF 24" ADS N-12 @ 0.32%
87. PROPOSED 85' OF 24" ADS N-12 @ 0.32%
88. PROPOSED 250' OF 15" ADS N-12 @ 0.84%
89. PROPOSED 218' OF 18" ADS N-12 @ 0.24%
91. PROPOSED 50' OF 12" ADS N-12 @ 0.28%
92. PROPOSED 162' OF 36" ADS N-12 @ 0.20%
W/ FLARED END SECTION
93. PROPOSED 140' OF 36" ADS N-12 @ 0.20%
94. PROPOSED 253' OF 15" ADS N-12 @ 0.40%
95. PROPOSED 50' OF 12" ADS N-12 @ 1.00%
96. PROPOSED 335' OF 30" ADS N-12 @ 0.39%
97. PROPOSED 290' OF 30" ADS N-12 @ 0.63%
98. PROPOSED 250' OF 24" ADS N-12 @ 1.20%
99. PROPOSED 40' OF 36" RCP @ 0.50% W/ FLARED END SECTION
100. PROPOSED FIRE PROTECTION MAIN #1, 60" OF 12" PVC
PRESSURE PIPE (Inv. in lake 524.00)

103. PROPOSED 10' OF 24" W/ FLARED END SECTION
104. PROPOSED VEGETATED DITCH
105. PROPOSED 370' OF 36" ADS N-12 @ 0.20%
106. PROPOSED 10' OF 12" ADS N-12 @ 5.00% (TWO LENGTHS)
107. PROPOSED 24"X12" TEE ADS N-12 (TWO)
108. PROPOSED 30' OF 12" ADS N-12 @ 7.5% W/ FLARED END SECTION
109. PROPOSED 30' OF 12" ADS N-12 @ 8.3% W/ FLARED END SECTION
110. PROPOSED 30' OF 12" ADS N-12 @ 9.1% W/ FLARED END SECTION
111. PROPOSED 30' OF 12" ADS N-12 @ 7.5% W/ FLARED END SECTION
112. PROPOSED 10' OF 12" ADS N-12 @ 4.0%

CATCH BASIN #1, 48" DIAM., (T2)
RIM = 548.50
INV = 543.88
CATCH BASIN #2, 48" DIAM., (T2)
RIM = 553.00
INV = 547.60
CATCH BASIN #3, 48" DIAM., (T2)
RIM = 547.00
INV = 542.74
CATCH BASIN #4, 60" DIAM., (T2)
RIM = 545.50
INV = 541.99
CATCH BASIN #5, 36" DIAM., (T8)
RIM = 546.50
INV = 543.50
CATCH BASIN #6, 72" DIAM., (T8)
RIM = 541.75
INV = 541.75
CATCH BASIN #7, 48" DIAM., (T7)
RIM = 529.75
INV = 526.92
CATCH BASIN #8, 36" DIAM., (T7)
RIM = 545.25
INV = 543.00
CATCH BASIN #9, 48" DIAM., (T7)
RIM = 519.70
INV = 515.46
CATCH BASIN #10, 48" DIAM., (T7)
RIM = 519.50
INV = 516.50
CATCH BASIN #11, 48" DIAM., (T7)
RIM = 519.50
INV = 517.00
CATCH BASIN #12, 48" DIAM., (T2)
RIM = 520.00
INV = 514.28
CATCH BASIN #13, 60" DIAM., (T2)
RIM = 521.50
INV = 517.28
CATCH BASIN #14, 60" DIAM., (T2)
RIM = 547.50
INV = 543.97
CATCH BASIN #15, 48" DIAM., (T7)
RIM = 547.00
INV = 544.36
CATCH BASIN #16, 48" DIAM., (T2)
RIM = 555.00
INV = 551.00
CATCH BASIN #17, 60" DIAM., (T7)
RIM = 551.00
INV = 548.00
CATCH BASIN #18, 60" DIAM., (T2)
RIM = 552.00
INV = 546.17
CATCH BASIN #19, 60" DIAM., (T2)
RIM = 549.50
INV = 543.78
CATCH BASIN #20, 60" DIAM., (T2)
RIM = 548.00
INV = 543.43
CATCH BASIN #21, 48" DIAM., (T7)
RIM = 532.20
INV = 529.20
CATCH BASIN #22, 48" DIAM., (T2)
RIM = 548.00
INV = 543.68
CATCH BASIN #23, 60" DIAM., (T2)
RIM = 547.50
INV = 542.49
CATCH BASIN #24, 48" DIAM., (T2)
RIM = 550.50
INV = 545.02

INLET #1, 48" DIAM., (T2)
RIM = 545.50
INV = 538.40
INLET #2, 48" DIAM., (T2)
RIM = 545.60
INV = 537.65
INLET #3, 24" DIAM., (T7)
RIM = 548.50
INV = 546.00
INLET #4, 24" DIAM., (T7)
RIM = 545.20
INV = 543.35
INLET #5, 24" DIAM., (T7)
RIM = 545.20
INV = 543.25
INLET #6, 24" DIAM., (T7)
RIM = 550.15
INV = 547.15
INLET #7, 24" DIAM., (T7)
RIM = 549.95
INV = 546.61
INLET #8, 24" DIAM., (T7)
RIM = 546.50
INV = 543.30
INLET #9, 24" DIAM., (T7)
RIM = 546.50
INV = 543.30
INLET #10, 24" DIAM., (T7)
RIM = 546.70
INV = 543.50
INLET #11, 24" DIAM., (T7)
RIM = 546.70
INV = 543.50
INLET #12, 24" DIAM., (T7)
RIM = 545.25
INV = 543.25
INLET #15, 24" DIAM., (T7)
RIM = 547.00
INV = 544.36
INLET #16, 24" DIAM., (T7)
RIM = 546.46
INV = 544.50
INLET #17, 24" DIAM., (T7)
RIM = 546.46
INV = 544.30
INLET #18, 36" DIAM., (T7)
RIM = 544.43
INV = 541.70
INLET #19, 24" DIAM., (T7)
RIM = 544.43
INV = 541.90
INLET #20, 36" DIAM., (T7)
RIM = 537.73
INV = 535.23
INLET #21, 36" DIAM., (T7)
RIM = 545.70
INV = 540.35
INLET #22, 36" DIAM., (T7)
RIM = 521.50
INV = 519.50
INLET #23, 36" DIAM., (T7)
RIM = 521.50
INV = 519.25
INLET #24, 24" DIAM., (T7)
RIM = 520.00
INV = 517.00
INLET #25, 24" DIAM., (T7)
RIM = 520.90
INV = 518.94
INLET #26, 24" DIAM., (T7)
RIM = 520.90
INV = 518.77
INLET #27, 24" DIAM., (T7)
RIM = 520.65
INV = 517.45
INLET #28, 24" DIAM., (T7)
RIM = 520.65
INV = 517.45
INLET #29, 24" DIAM., (T7)
RIM = 520.45
INV = 517.45
INLET #30, 24" DIAM., (T7)
RIM = 520.45
INV = 517.45

INLET #31, 36" DIAM., (T2)
RIM = 522.15
INV = 517.15
INLET #32, 36" DIAM., (T2)
RIM = 520.87
INV = 515.62
INLET #33, 36" DIAM., (T2)
RIM = 520.87
INV = 514.50
INLET #34, 24" DIAM., (T7)
RIM = 519.50
INV = 517.50
INLET #35, 48" DIAM., (T2)
RIM = 519.50
INV = 514.87
INLET #36, 24" DIAM., (T7)
RIM = 522.20
INV = 518.50
INLET #37, 24" DIAM., (T7)
RIM = 547.18
INV = 545.00
INLET #38, 36" DIAM., (T7)
RIM = 547.00
INV = 544.70
INLET #39, 36" DIAM., (T7)
RIM = 547.00
INV = 544.45
INLET #40, 24" DIAM., (T7)
RIM = 547.00
INV = 545.00
INLET #41, 36" DIAM., (T7)
RIM = 547.00
INV = 544.44
INLET #42, 24" DIAM., (T7)
RIM = 548.40
INV = 546.15
INLET #43, 24" DIAM., (T7)
RIM = 548.40
INV = 545.95
INLET #44, 24" DIAM., (T7)
RIM = 547.35
INV = 545.35
INLET #45, 24" DIAM., (T7)
RIM = 547.35
INV = 545.10
INLET #46, 24" DIAM., (T7)
RIM = 550.00
INV = 547.50
INLET #47, 24" DIAM., (T7)
RIM = 547.50
INV = 545.50
INLET #48, 24" DIAM., (T7)
RIM = 547.50
INV = 545.50
INLET #49, 24" DIAM., (T7)
RIM = 550.00
INV = 547.50
INLET #50, 24" DIAM., (T7)
RIM = 547.80
INV = 545.80
INLET #51, 24" DIAM., (T7)
RIM = 547.80
INV = 545.80
INLET #52, 36" DIAM., (T7)
RIM = 548.35
INV = 545.93
INLET #53, 24" DIAM., (T7)
RIM = 548.15
INV = 546.07
INLET #54, 24" DIAM., (T7)
RIM = 547.00
INV = 545.03
INLET #55, 24" DIAM., (T7)
RIM = 547.00
INV = 543.50
INLET #56, 36" DIAM., (T7)
RIM = 547.00
INV = 543.00

INLET #57, 24" DIAM., (T7)
RIM = 547.35
INV = 545.35
INLET #58, 24" DIAM., (T7)
RIM = 545.55
INV = 543.54
INLET #59, 36" DIAM., (T7)
RIM = 545.50
INV = 543.40
INLET #60, 24" DIAM., (T7)
RIM = 547.30
INV = 545.30
INLET #61, 24" DIAM., (T7)
RIM = 547.30
INV = 544.80

MANHOLE #1, 48" DIAM., (T1)
RIM = 548.00
INV = 534.65
MANHOLE #2, 108" DIAM., (T1)
RIM = 550.00
INV = 545.10
MANHOLE #3, OUTLET POND #1, (T8)
SEE SHEET 24 OF 31 - 60" DIA.
RIM = 547.00
INV(NW) = 542.70
INV(SE) = 542.22
MANHOLE #4, 48" DIAM., (T2)
RIM = 547.00
INV = 541.99
MANHOLE #5, OUTLET POND #5, (T8)
SEE SHEET 24 OF 31 - 24" DIA.
RIM = 551.00
INV = 547.50
MANHOLE #6, OUTLET POND #2, (T8)
SEE SHEET 24 OF 31 - 24" DIA.
RIM = 544.00
INV = 540.50
MANHOLE #7, 48" DIAM., (T2)
RIM = 522.20
INV = 515.85
MANHOLE #8, 60" DIAM., (T2)
RIM = 520.50
INV = 513.31
MANHOLE #9, 60" DIAM., (T2)
RIM = 521.80
INV = 515.96
MANHOLE #10, OUTLET POND #3B, (T8)
SEE SHEET 24 OF 31 - 48" DIA.
RIM = 527.00
INV(S) = 521.00
INV(N) = 521.50
MANHOLE #11, OUTLET POND #3A, (T8)
SEE SHEET 24 OF 31 - 48" DIA.
RIM = 531.60
INV(S) = 525.00
INV(N) = 526.00
MANHOLE #12, OUTLET POND #4, (T8)
48" DIAM., SEE SHEET 24
RIM = 518.80
INV(N) = 512.80
INV(E) = 512.50
MANHOLE #13, 36" DIAM., (T7)
RIM = 549.00
INV = 544.35
MANHOLE #14, 36" DIAM., (T7)
RIM = 549.50
INV = 544.91
MANHOLE #15, 60" DIAM., (T2)
RIM = 549.50
INV = 543.58
MANHOLE #16, 48" DIAM., (T8)
RIM = 549.00
INV(N) = 544.70
INV(S) = 544.30
MANHOLE #17, 36" DIAM., (T7)
RIM = 549.50
INV = 543.58
FIRE PROTECTION MANHOLES
FP MH #1, 48" DIAM., (T1)
RIM = 535.00
INV = 529.67

MANHOLE #18, 48" DIAM., (T1)
RIM = 550.80
INV = 545.40
MANHOLE #19, 48" DIAM., (T2)
RIM = 550.00
INV = 545.10
MANHOLE #20, 60" DIAM., (T1)
RIM = 551.50
INV = 543.23

SURFACE WATER DRAINAGE STATEMENT

IN CONFORMANCE TO THE REQUIREMENTS OF CHAPTER 109, SECTION 2 OF THE ILLINOIS REVISED STATUTES, WE THE UNDERSIGNED HEREBY STATE THAT, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, REASONABLE PROVISION HAS BEEN MADE FOR THE COLLECTION AND DIVERSION OF SURFACE WATER DRAINAGE INTO DRAINS OR PUBLIC AREAS WHICH THE SUBDIVIDER HAS A RIGHT TO USE AND THAT SUCH SURFACE WATER WILL BE PLANNED FOR IN ACCORDANCE WITH THE DIRECTIONS AND REVISIONS OF THE COUNTY ENGINEER AND GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBJECT SUBDIVISION, KNOWN AS _____

DATED THE _____ DAY OF _____ 19 _____

ENGINEER: _____ PROPERTY OWNER OR OWNER ATTORNEY: _____

Signature _____ Signature _____

RAYMOND DERBAS, IL#23083 Name and P.E.# _____ Name _____

NOTES:

- For detailed geometrics, dimensions, etc. of roadways, property lines, lots, and easements refer to the project subdivision plat prepared by Area Survey Company.
- For sanitary sewer and water main system layouts and and information refer to the project plans prepared by Metro Utility Company.

NETTLE CREEK GOLF COURSE
STOCKDALE RD. & SARATOGA RD.
ERIENNA TOWNSHIP, ILLINOIS

PROJECT NOTES

SCALE	APPROVED BY	DRAWN BY
DATE 3/20/90		
RAYMOND E. DERBAS & ASSOCIATES CONSULTING CIVIL ENGINEERS 7222 WEST 127TH STREET PALOS HEIGHTS, IL 60463 (708) 448-1044		
DRAWING NUMBER 3 OF 31		