



KENT COUNTY DRAIN COMMISSIONER

**ORDER FOR LAYING OUT AND DESIGNATING
A DRAINAGE DISTRICT**

SIERRA ESTATES DRAIN

WHEREAS, an application, dated August 29, 2023, has been made and filed with me, the Kent County Drain Commissioner, for the Laying Out and Designating of a Drainage District; and

WHEREAS, the County Treasurer has provided a statement that less than 33 1/3% of the lands in the proposed drainage district owe taxes and special assessments over the preceding three years; and

WHEREAS, a competent engineer has performed a survey of the proposed drain and drainage district.

NOW, THEREFORE, I do hereby determine:

1. The name of the drain is the Sierra Estates Drain.
2. The Drainage District boundaries are as described in the attached *Exhibit A*.
3. The following public corporations liable for an assessment are as follows:

Plainfield Charter Township, Kent County, Kent County Road Commission

4. A description of the proposed drain as provided in MCL 280.54, including the type of construction and estimated cost of construction is attached as *Exhibit B*.

Dated: 12-15-23

A handwritten signature in black ink, appearing to read "Ken Yonker", is written over a horizontal line.

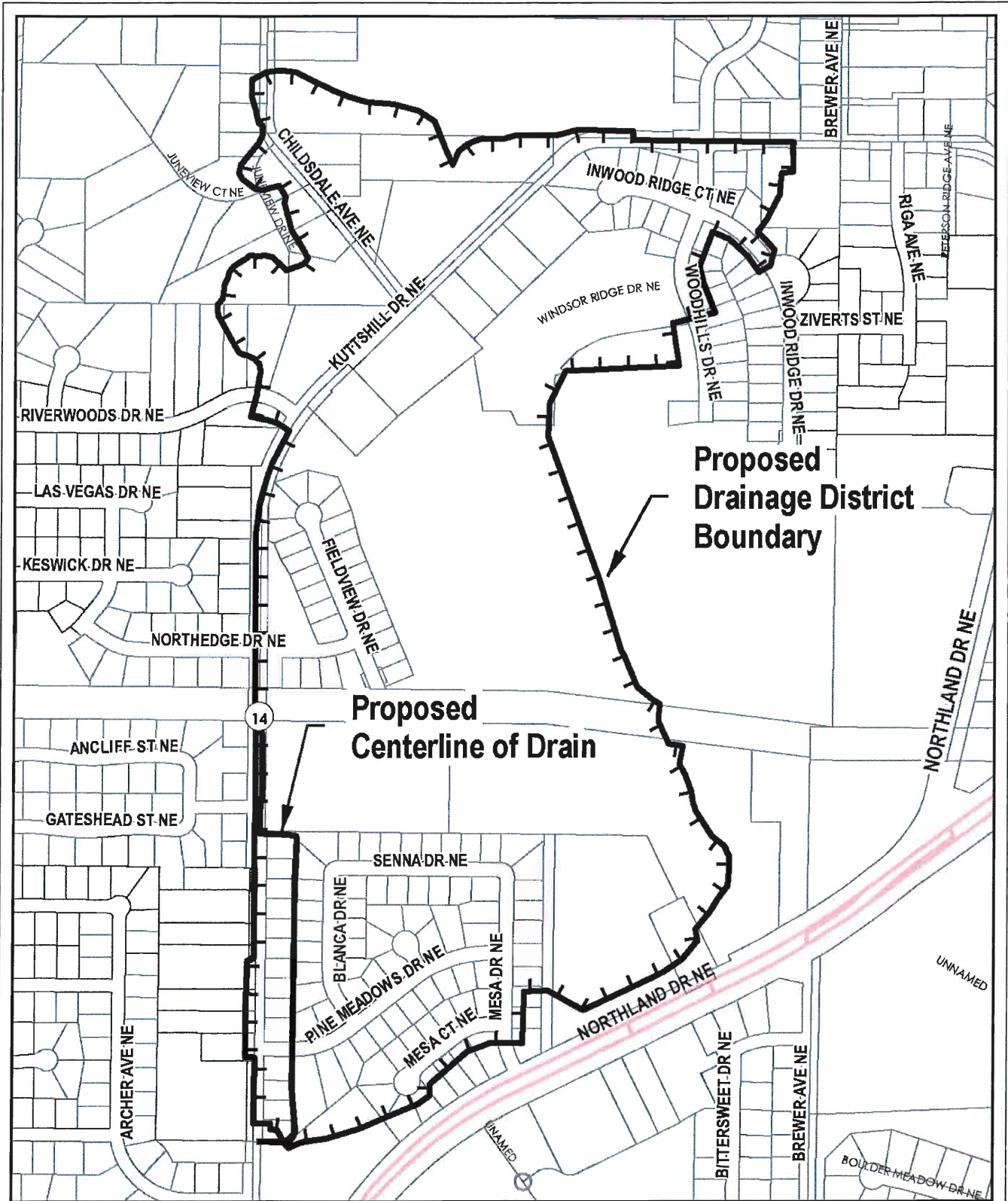
Ken Yonker
Kent County Drain Commissioner

EXHIBIT "A"

Section 11 and 14, T.8N., R.11W., Plainfield Charter Township Kent County, Michigan

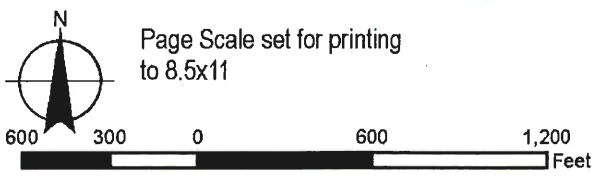
Commencing at the S $\frac{1}{4}$ Corner of Section 14, T.8N., R.11W., Plainfield Charter Township, Kent County, Michigan, thence 822.72 north along the west section line of the SE $\frac{1}{4}$ section to the point of the beginning of the district boundary, thence N 0.49 degrees E, 157.99 feet thence, N 0.49 degrees E, 59.92 feet thence, N 0.49 degrees E, 83.56 feet thence, N 88.52 degrees W, 41.74 feet thence, N 0.4 degrees W, 225.01 feet thence, N 2.49 degrees E, 212.69 feet thence, N 63.08 degrees E, 31.09 feet thence, N 0.17 degrees E, 358.96 feet thence, N 0.33 degrees E, 270.94 feet thence, N 0.15 degrees W, 203.33 feet thence, N 0.17 degrees E, 306.82 feet thence, N 0.48 degrees W, 362.46 feet thence, N 0.08 degrees E, 373.96 feet thence, N 1.46 degrees E, 61.48 feet thence, N 7.98 degrees E, 120.02 feet thence, N 14.69 degrees E, 133.53 feet thence, N 21.3 degrees E, 65.96 feet thence, N 27.2 degrees E, 161.56 feet thence, N 57.12 degrees W, 64.99 feet thence, N 72.78 degrees W, 42.79 feet thence, N 77.07 degrees W, 62.81 feet thence, N 79.72 degrees W, 16.89 feet thence, N 14.48 degrees E, 100.97 feet thence, N 9.09 degrees E, 34.45 feet thence, N 7.96 degrees E, 39.2 feet thence, N 11.04 degrees E, 32.67 feet thence, N 5.46 degrees W, 24.23 feet thence, N 18.29 degrees W, 12.97 feet thence, N 48.15 degrees W, 12.54 feet thence, N 37.8 degrees W, 17.17 feet thence, N 65.93 degrees W, 21.45 feet thence, N 68.44 degrees W, 19.75 feet thence, N 77.08 degrees W, 13.77 feet thence, N 65.18 degrees W, 23.77 feet thence, N 29.89 degrees W, 72.18 feet thence, N 29.92 degrees W, 112.69 feet thence, N 38.35 degrees W, 8.66 feet thence, N 3.85 degrees W, 11.41 feet thence, N 3.93 degrees W, 35.92 feet thence, N 40.82 degrees E, 15.14 feet thence, N 40.01 degrees E, 25.82 feet thence, N 6.98 degrees E, 21.58 feet thence, N 6.77 degrees E, 42.46 feet thence, N 24.34 degrees E, 35.07 feet thence, N 15.58 degrees E, 24.66 feet thence, N 38.58 degrees E, 29.11 feet thence, N 53.26 degrees E, 25.72 feet thence, N 60.64 degrees E, 42.74 feet thence, N 50.08 degrees E, 24.14 feet thence, S 85.28 degrees E, 37.81 feet thence, N 82.92 degrees E, 32.84 feet thence, S 76.89 degrees E, 34 feet thence, S 46.56 degrees E, 87.87 feet thence, N 70.46 degrees E, 85.66 feet thence, N 34.99 degrees E, 31.79 feet thence, N 29.85 degrees W, 91.57 feet thence, N 33.01 degrees W, 53.75 feet thence, N 15.38 degrees W, 130.16 feet thence, N 12.33 degrees E, 28.46 feet thence, N 30.66 degrees W, 58.8 feet thence, S 75.75 degrees W, 77.83 feet thence, N 81.59 degrees W, 33.48 feet thence, N 54.11 degrees W, 74.03 feet thence, N 27.63 degrees W, 31.49 feet thence, N 10.98 degrees E, 38.06 feet thence, N 39.25 degrees E, 124.64 feet thence, N 28.68 degrees E, 40.33 feet thence, N 0 degrees E, 48.18 feet thence, N 57.65 degrees W, 20.66 feet thence, N 12.87 degrees W, 56.02 feet thence, N 15.79 degrees W, 69.79 feet thence, N 1.53 degrees E, 72.79 feet thence, N 61.97 degrees E, 75.13 feet thence, N 82.81 degrees E, 63.72 feet thence, S 84.04 degrees E, 66.96 feet thence, S 63.83 degrees E, 196.25 feet thence, S 68.43 degrees E, 73.49 feet thence, S 73.98 degrees E, 83.31 feet thence, S 85.15 degrees E, 126.54 feet thence, S 74.64 degrees E, 118.39 feet thence, S 58.53 degrees E, 85.23 feet thence, S 21.52 degrees E, 136.85 feet thence, S 24.36 degrees E, 76.71 feet thence, N 25.44 degrees E, 67.07 feet thence, N 51.47 degrees E, 50.52 feet thence, N 67.57 degrees E, 60.17 feet thence, N 89.12 degrees E, 110.56 feet thence, N 73.41 degrees E, 60.94 feet thence, N 89.97 degrees E, 186.39 feet thence, N 76.04 degrees E, 97.14 feet thence, S 88.31 degrees E, 170.88 feet thence, S 89.1 degrees E, 76.08 feet thence, S 7.22 degrees E, 40.27 feet thence, S 88.85 degrees E, 143.29 feet thence, S 89.26 degrees E, 586.03 feet thence, S 1.22 degrees W, 135.09 feet thence, S 83.07 degrees W, 52.02 feet thence, S 5.33 degrees W, 98.08 feet thence, S 28.3 degrees W, 121.23 feet thence, S 33.75 degrees W, 50.86 feet thence, S 40.79 degrees W, 23.77 feet thence, S 43.73 degrees E, 113.58 feet thence, S 16.11 degrees W, 74.66 feet thence, S 60.85 degrees W, 58.96 feet thence, N 34.93 degrees W, 87.68 feet thence, N 47.67 degrees W, 115.77 feet thence, N 67.15 degrees W, 80.24 feet thence, S 20.78 degrees W, 165.12 feet thence, S 13.13 degrees E,

80.22 feet thence, S 21.48 degrees E, 95.99 feet thence, S 21.69 degrees E, 46.02 feet thence, S 76.18 degrees W, 177.36 feet thence, S 73.91 degrees W, 21.88 feet thence, S 8.8 degrees E, 194.44 feet thence, S 87.3 degrees W, 519.08 feet thence, S 26.19 degrees W, 161.62 feet thence, S 2.52 degrees W, 151.65 feet thence, S 19.9 degrees E, 699.91 feet thence, S 17.06 degrees E, 331.81 feet thence, S 31.73 degrees E, 22.73 feet thence, S 23.18 degrees E, 154.22 feet thence, S 50.23 degrees E, 80.38 feet thence, S 56.88 degrees E, 51.54 feet thence, S 8.91 degrees W, 31.05 feet thence, S 2.14 degrees W, 47.09 feet thence, S 25.37 degrees E, 112.25 feet thence, S 81.09 degrees E, 65.81 feet thence, S 9.77 degrees W, 84.21 feet thence, S 28.32 degrees E, 55.76 feet thence, S 20.27 degrees E, 76.68 feet thence, S 10.74 degrees E, 58.59 feet thence, S 19.11 degrees E, 36.75 feet thence, S 33 degrees E, 29.8 feet thence, S 32.58 degrees E, 105.39 feet thence, S 52.08 degrees E, 68.82 feet thence, S 24.72 degrees E, 11.55 feet thence, S 24.72 degrees E, 41.52 feet thence, S 0.36 degrees W, 57.04 feet thence, S 4.66 degrees W, 77.45 feet thence, S 35.72 degrees W, 69.8 feet thence, S 31.39 degrees W, 72.33 feet thence, S 39.44 degrees W, 101.84 feet thence, S 9.23 degrees E, 52.7 feet thence, S 39.54 degrees W, 108.46 feet thence, S 56.27 degrees W, 101.47 feet thence, S 64.55 degrees W, 405.8 feet thence, N 61.1 degrees W, 185.78 feet thence, S 86.95 degrees W, 104.75 feet thence, S 1.48 degrees W, 234.32 feet thence, N 88.96 degrees W, 144.12 feet thence, S 69.47 degrees W, 114.68 feet thence, S 49.06 degrees W, 228.09 feet thence, S 1.18 degrees E, 50.32 feet thence, S 53.6 degrees W, 63.63 feet thence, S 67.76 degrees W, 167.18 feet thence, S 66.45 degrees W, 127.77 feet thence, S 73.38 degrees W, 152.07 feet thence, S 81.87 degrees W, 106.52 feet thence, S 66.84 degrees W, 30.98 feet thence, S 66.84 degrees W, 40.83 feet thence, N 42.06 degrees W, 37.83 feet thence, N 26.14 degrees W, 58.31 feet thence, N 82.52 degrees W, 34.67 feet thence, N 0 degrees E, 28.13 feet thence, S 88.41 degrees W, 75.43 feet to the point of beginning and the end of the description



**Proposed
Drainage District
Boundary**

**Proposed
Centerline of Drain**



Page Scale set for printing
to 8.5x11



**SIERRA ESTATES
DRAIN**
District Map
Plainfield Township
Kent County, MI

EXHIBIT "B"

SIERRA ESTATES ROUTE AND COURSE DESCRIPTION

Section 14, T.8N., R.11W., Plainfield Charter Township, Kent County, Michigan

Commencing at the NW1/4 corner of the SE ¼ of Section 14, T.8N., R.11W., Plainfield Charter Township, Kent County, Michigan, thence south along the west section line 24.266 feet, thence N 90.00 E 13.14 feet to the point of the beginning of the route and course at the upper most point, thence S 11.52 degrees E, 42.17 feet thence, S 0.48 degrees E, 61.98 feet thence, S 0.79 degrees E, 150.56 feet thence, S 1.2 degrees W, 61.99 feet thence, S 10.27 degrees W, 45.26 feet thence, S 3.01 degrees W, 24.77 feet thence, S 0.15 degrees W, 102.34 feet thence, S 87.89 degrees E, 127.17 feet thence, S 78.84 degrees E, 39.02 feet thence, S 10.5 degrees E, 17.45 feet thence, S 2.77 degrees W, 176.83 feet thence, S 0.49 degrees W, 374.24 feet thence, S 0.49 degrees W, 255.75 feet thence, S 0.49 degrees W, 321.15 feet thence, S 4.83 degrees E, 199.37 feet thence, S 24.25 degrees W, 30.26 feet thence, S 44.22 degrees W, 24 feet thence, N 89.83 degrees W, 146.37 feet to the point of ending at the manhole structure in Kuttshill Drive ROW to a point that is 740.19 feet north of the S ¼ corner of Section 14 and thence 15.95 feet N 90.00 E.

The route is 2,200.7 linear feet and runs through a detention facility.

The estimate cost of construction ranges from \$52,000 to \$390,000.