

PETITION

TO THE WATER RESOURCES COMMISSIONER OF
WASHTENAW COUNTY

The undersigned public corporation hereby petitions for the cleaning out, relocating, widening, deepening, straightening, tiling, extending or relocating along a highway, constructing branches, relief drains or connections to the Malletts Creek Drain as shown in Exhibit A, to serve the area described in Attachment 1, which storm improvements better described in the attached Memorandum and Resolution, are necessary to prolong the life of the infrastructure and improve the integrity of the stormwater system. The Malletts Creek Drainage District is located within the limits of the City of Ann Arbor, the petitioner herein.

This petition is filed by the City pursuant to the provisions of Section 463 of Chapter 20 of Acts No. 40 of the Public Acts of 1956, as amended.

It is understood that none of the proposed drain project attributable to the part of the project in the City will be paid for by a special assessment levied against persons in the City.

A certified copy of the resolution of the governing body of the City of Ann Arbor authorizing execution of this petition is attached hereto.

CITY OF ANN ARBOR

By: _____
John Hieftje, Mayor

By: _____
Jacqueline Beaudry, City Clerk

Dated: _____

DRAIN NAME
Malletts Creek

PROJECT NAME:
Malletts Creek Streambank Stabilization

PROJECT DESCRIPTION:
Stabilize streambank at 6 locations in Malletts Creek to reduce bank erosion, channel incising, sedimentation and tree fall.

PROJECT LOCATION:

The six segments are:

1. Between Washtenaw Avenue and the downstream crossing of Huron Parkway
2. Between the downstream crossing of Huron Parkway and Chalmers
3. Between Packard and the large outfall at Homestead Commons
4. Between East and West Research Park Drive
5. Between S. State Rd. and Boardwalk
6. Between Eisenhower and Oakbrook

DRAIN ROUTE AND COURSE:

(a) A branch drain along the following described route:

A County Drain commencing at the south side of the Huron River 2800 feet \pm upstream from the centerline of U.S. Hwy. #23, being in the NE 1/4 of Section 35, T2S, R6E, Ann Arbor Township, Washtenaw County, Michigan; thence proceeding southwesterly to a crossing of Washtenaw Avenue, said crossing being 532 feet \pm easterly from the centerline of Huron Parkway to a junction with the Washtenaw County Farm Drain, thence continuing south westerly, crossing Platt Road and Packard Road, thence proceeding southwesterly to a Junction with the Airport Drain, said junction being 1233 feet \pm east of the centerline of Stone School Road and 1100 feet \pm north of the centerline of Interstate Hwy. #94; thence proceeding in a northwesterly direction, crossing Stone School Road, to a junction with the Pittsfield Northwest Branch Drain, said junction being 1150 feet \pm west of the centerline of Stone School Road and 160 feet \pm north of the north line of Section 9, Pittsfield Township, T3S, R6E, Washtenaw County Michigan.

(b) A branch drain along the following described route:

Commencing at the junction with the Pittsfield Ann Arbor Drain, said junction being in the NW 1/4 of Section 10, Pittsfield Township, T3S, R6E, Washtenaw County, Michigan. 1233 feet \pm east of the centerline of Stone School Road and 1100 feet \pm north of the centerline of Interstate Hwy. #94 thence proceeding in a southwesterly direction to a crossing of Interstate Hwy. #94, thence proceeding southwesterly to a crossing of Stone School Road, thence proceeding southwesterly to a crossing of Ellsworth Road, thence proceeding

southwesterly to a crossing of State Street, said crossing-being 2440 feet \pm southeasterly from the centerline of Ellsworth Road, to a termination at the west right-of-way of State Street.

(c) A branch drain along the following described route:

Commencing at the junction with the Pittsfield Ann Arbor Drain, said junction being 1150 feet \pm west of the centerline of Stone School Road and 160 feet \pm north of the North line of Section 9, Pittsfield Township, T3S, R6E, Washtenaw County, Michigan. Thence proceeding westerly and southwesterly crossing the Ann Arbor R. R., thence proceeding westerly and northwesterly crossing South State Street, thence proceeding northwesterly crossing Waters Road, proceeding northerly and westerly crossing South Main Street, thence proceeding northwesterly and northerly crossing the Ann Arbor-Saline Road, thence proceeding northwesterly 4380 feet +/- to junction point No. 1, thence continuing westerly 520 feet +/- to junction point No.. 2, thence continuing northwesterly to a termination point at the intersection of the south right-of-way line of Scio Church Road with the east right-of-way line of Interstate Hwy. #94.

Also beginning at previously described junction point No. 1 and proceeding northwesterly to a termination point at the north right-of-way line of Scio Church Road.

Also beginning at previously described junction point No. 2 and proceeding southwesterly, to a termination point with the west right-of-way line of Interstate Hwy. #94.

(d) A branch drain along the following described route:

Commencing at a junction with the Pittsfield-Airport Branch, said junction. being 600 feet west of the centerline of Stone School Road and 1340 feet south of the centerline of Interstate Hwy. #94, thence westerly to a crossing of Ann Arbor Railroad, which is 1000 feet south of the centerline of Interstate Hwy. #94, thence continuing westerly to a crossing of State Road at its interchange with Interstate Hwy. #94; thence northwesterly crossing Interstate Hwy. #94, 840 feet west of State Road; thence continuing northwesterly crossing Water Road (Eisenhower Pkwy.) 300 feet west of South Main Street; thence continuing northwesterly to a crossing of Lohr Road 600 feet south of the centerline of Ann Arbor-Saline Road; thence northwesterly to a crossing of Ann Arbor-Saline Road 700 feet southwest of the centerline of Lohr Road; thence northwesterly to its crossing with Interstate Hwy. #94 and there terminating.”

DISTRICT BOUNDARY DESCRIPTION:

Beginning at Chalmers and Mallets Creek; Thence S 3-10-47.39 W 141.157 feet; Thence S 0-0-0.00 W 184.78 feet; Thence S 0-33-2.04 W 325.735 feet; Thence S 3-21-59.71 W 266.67 feet; Thence S 4-18-20.63 W 292.094 feet; Thence S 2-58-53.33 W 301.078 feet; Thence S 9-2-47.35 E 69.768 feet; Thence S 2-39-41.12 E 134.815 feet;

Thence S 15-1-3.91 E 132.951 feet; Thence S 3-56-45.40 E 182.082 feet; Thence S 6-52-50.54 E 182.968 feet; Thence S 0-0-0.00 W 216.11 feet; Thence S 4-36-38.68 W 97.405 feet; Thence S 1-2-27.68 W 172.278 feet; Thence S 6-37-58.11 W 135.577 feet; Thence S 17-35-24.90 W 134.709 feet; Thence S 36-52-16.02 W 93.964 feet; Thence S 38-2-47.04 W 91.465 feet; Thence S 28-24-19.84 W 174.476 feet; Thence S 40-18-49.71 W 135.539 feet; Thence S 36-25-52.06 W 163.491 feet; Thence S 43-1-27.11 W 192.787 feet; Thence S 32-50-44.07 W 294.5 feet; Thence S 31-51-7.71 W 121.672 feet; Thence S 38-31-42.98 W 216.197 feet; Thence S 25-12-3.11 W 235.373 feet; Thence S 35-50-19.02 W 347.7 feet; Thence S 24-32-14.53 W 316.745 feet; Thence S 38-9-24.50 W 306.693 feet Thence S 36-59-39.82 W 286.255 feet Thence S 35-14-57.75 W 287.627 feet Thence S 47-4-58.65 W 243.766 feet Thence S 36-51-49.05 W 54.808 feet Thence S 40-36-14.35 W 115.499 feet Thence S 9-9-45.12 W 98.345 feet Thence S 2-9-34.74 W 166.118 feet Thence S 12-43-30.61 E 199.07 feet Thence S 22-8-39.29 E 290.789 feet Thence S 3-17-46.81 W 81.565 feet Thence S 23-57-43.26 W 123.384 feet Thence S 36-12-33.63 W 217.372 feet Thence S 50-11-48.34 W 220.15 feet Thence S 48-58-34.47 W 415.13 feet Thence S 51-20-24.69 W 50.136 feet Thence S 72-49-27.74 W 180.29 feet Thence S 65-10-14.47 W 231.213 feet Thence S 60-45-0.21 W 179.485 feet Thence S 56-34-36.18 W 187.629 feet Thence S 37-37-34.98 W 189.809 feet Thence S 33-5-2.18 W 246.708 feet Thence S 39-58-15.92 W 555.79 feet Thence S 37-59-25.30 W 544.426 feet Thence S 37-38-21.04 W 466.704 feet Thence S 53-7-43.98 W 93.964 feet Thence S 63-26-5.82 W 154.065 feet Thence S 75-7-29.35 W 207.39 feet Thence S 78-47-3.91 W 370.383 feet Thence S 61-23-26.54 W 39.241 feet Thence S 36-52-13.83 W 187.914 feet Thence S 31-7-20.55 W 193.899 feet Thence S 27-40-49.32 W 215.741 feet Thence S 30-37-13.68 W 178.326 feet Thence S 20-29-45.83 W 357.768 feet Thence S 20-33-19.76 W 120.417 feet Thence S 12-36-38.15 W 243.904 feet Thence S 10-18-8.23 W 140.068 feet Thence S 7-59-26.74 W 180.27 feet Thence S 9-41-13.92 W 130.267 feet Thence S 38-27-16.15 W 67.986 feet Thence S 55-0-28.73 W 191.155 feet Thence S 62-47-46.93 W 376.787 feet Thence S 65-13-27.71 W 403.588 feet Thence S 56-30-49.36 W 244.083 feet Thence S 39-12-30.86 W 76.802 feet Thence S 19-13-53.28 W 142.629 feet Thence S 20-53-53.86 W 184.379 feet Thence S 14-8-44.62 W 397.277 feet Thence S 22-37-11.51 W 101.79 feet Thence S 23-25-32.20 W 102.4 feet Thence S 50-11-29.15 W 24.46 feet Thence N 55-0-24.31 W 76.463 feet Thence N 58-8-6.99 W 136.442 feet Thence N 50-35-56.62 W 113.495 feet Thence N 71-33-49.79 W 148.554 feet Thence S 26-35-0.02 W 14.011 feet Thence S 19-26-22.10 E 56.458 feet Thence S 16-51-28.02 E 108.001 feet Thence S 15-38-53.59 E 81.303 feet Thence S 6-14-25.49 E 100.827 feet Thence S 1-23-47.11 E 128.438 feet Thence S 16-30-12.79 W 176.397 feet Thence S 23-57-50.62 W 185.073 feet Thence S 30-27-39.88 W 123.542 feet Thence S 47-40-31.65 W 237.224 feet Thence S 40-32-22.75 W 469.803 feet Thence S 35-16-52.93 W 406.688 feet Thence S 43-57-32.32 W 121.819 feet Thence S 72-47-24.60 W 370.498 feet Thence S 72-21-6.97 W 72.303 feet Thence S 46-50-47.29 W 68.689 feet Thence S 42-26-6.33 W 148.528 feet Thence S 33-41-28.30 W 282.306 feet Thence S 30-29-57.75 W 265.344 feet Thence S 27-23-43.35 W 483.278 feet Thence S 22-37-19.31 W 81.425 feet Thence S 43-39-51.19 W 47.622 feet Thence S 50-49-21.26 W 109.082 feet Thence S 42-42-39.06 W 110.821 feet Thence S 41-37-58.47 W 150.853 feet Thence S 4-4-59.86 E 87.913 feet Thence S 15-7-28.22 E 120.038 feet Thence S 14-49-37.99 E 110.158

feet Thence S 24-18-3.85 E 106.529 feet Thence S 3-56-34.88 W 91.035 feet Thence S 12-48-17.95 W 70.657 feet Thence S 16-41-51.24 W 65.398 feet Thence S 30-34-46.23 W 80.042 feet Thence S 40-35-56.91 W 86.621 feet Thence S 72-1-55.45 W 121.821 feet Thence S 77-44-6.22 W 147.435 feet Thence S 86-52-47.49 W 172.516 feet Thence N 86-6-6.35 W 138.12 feet Thence N 88-34-7.74 W 125.319 feet Thence S 35-32-12.08 W 134.698 feet Thence S 31-36-34.78 W 191.231 feet Thence S 32-0-7.05 W 177.281 feet Thence S 37-8-50.63 W 388.993 feet Thence S 52-23-11.42 W 241.18 feet Thence S 60-48-49.48 W 398.195 feet Thence S 73-55-52.95 W 599.7 feet Thence N 86-18-18.04 W 97.292 feet Thence N 65-54-55.50 W 145.803 feet Thence N 55-33-38.42 W 398.739 feet Thence N 48-17-2.72 W 541.253 feet Thence N 43-4-6.73 W 394.422 feet Thence N 36-45-53.22 W 340.133 feet Thence N 39-49-19.64 W 62.054 feet Thence N 50-23-25.98 W 147.376 feet Thence N 48-54-2.18 W 244.171 feet Thence N 45-33-20.03 W 285.14 feet Thence N 54-9-40.98 W 347.7 feet Thence N 62-47-5.06 W 154.088 feet Thence N 62-45-34.79 W 222.361 feet Thence N 64-17-12.43 W 117.317 feet Thence N 62-56-55.58 W 206.602 feet Thence N 63-26-12.84 W 262.622 feet Thence N 63-5-1.99 W 285.386 feet Thence N 56-18-22.25 W 42.343 feet Thence N 29-2-41.78 W 40.309 feet Thence N 17-58-10.99 W 152.278 feet Thence N 15-9-19.76 W 97.346 feet Thence N 7-56-37.34 W 169.971 feet Thence N 2-0-34.56 W 446.575 feet Thence N 2-48-51.91 W 239.098 feet Thence N 5-31-39.96 E 243.854 feet Thence N 13-47-50.50 E 229.78 feet Thence N 18-58-15.92 E 198.714 feet Thence N 22-37-10.47 E 152.674 feet Thence N 28-26-43.03 E 106.861 feet Thence N 30-4-2.53 E 85.945 feet Thence N 30-22-55.58 E 131.603 feet Thence N 24-6-2.27 E 162.977 feet Thence N 18-53-3.71 E 157.233 feet Thence N 18-26-11.36 E 235.223 feet Thence N 19-53-3.43 E 195.665 feet Thence N 11-46-8.03 E 191.945 feet Thence N 10-18-13.23 E 43.776 feet Thence N 17-55-38.04 W 69.946 feet Thence N 26-33-54.18 W 70.034 feet Thence N 30-28-2.73 W 77.212 feet Thence N 29-21-40.42 W 71.872 feet Thence N 36-52-11.63 W 78.3 feet Thence N 37-24-16.98 W 83.778 feet Thence N 61-41-33.11 W 57.802 feet Thence N 87-42-44.74 W 97.958 feet Thence S 90-0-0.00 W 35.23 feet Thence S 82-24-16.98 W 59.24 feet Thence S 90-0-0.00 W 82.22 feet Thence S 90-0-0.00 W 86.12 feet Thence N 81-15-16.86 W 51.499 feet Thence N 62-26-45.18 W 50.78 feet Thence N 45-0-0.00 W 77.513 feet Thence N 32-0-19.38 W 147.736 feet Thence N 23-33-4.95 W 166.554 feet Thence N 20-16-55.90 W 191.984 feet Thence N 15-56-44.85 W 199.507 feet Thence N 14-37-12.35 W 93.063 feet Thence N 28-14-22.66 W 119.981 feet Thence N 32-49-46.62 W 144.427 feet Thence N 38-9-14.38 W 139.403 feet Thence N 33-57-31.41 W 231.276 feet Thence N 38-31-6.85 W 245.179 feet Thence N 39-22-4.78 W 197.494 feet Thence N 50-39-41.42 W 154.393 feet Thence N 58-43-55.34 W 128.236 feet Thence S 81-28-9.24 W 158.352 feet Thence S 69-51-41.57 W 125.098 feet Thence S 63-46-9.65 W 301.141 feet Thence S 62-14-27.35 W 252.171 feet Thence S 61-39-15.29 W 338.064 feet Thence S 67-3-55.84 W 110.527 feet Thence N 61-23-12.28 W 49.05 feet Thence N 50-11-35.63 W 305.764 feet Thence N 48-9-19.84 W 352.1 feet Thence N 51-28-32.80 W 515.425 feet Thence N 56-18-47.92 W 141.152 feet Thence N 60-15-14.57 W 331.408 feet Thence N 62-12-34.26 W 327.471 feet Thence N 64-21-30.32 W 434.256 feet Thence N 63-39-16.11 W 458.715 feet Thence N 67-59-22.25 W 198.465 feet Thence N 66-8-15.38 W 222.598 feet Thence N 72-53-55.87 W 26.627 feet Thence N 88-31-58.89 W 152.73 feet Thence S 81-5-5.47 W 202.102 feet Thence S 78-18-38.27 W 231.879 feet Thence S 72-35-3.24

W 209.253 feet Thence S 74-53-51.10 W 255.463 feet Thence S 67-53-27.31 W 135.212 feet Thence S 74-38-1.58 W 265.937 feet Thence S 77-54-20.34 W 392.369 feet Thence S 80-38-48.78 W 337.254 feet Thence S 83-17-23.51 W 335.055 feet Thence N 69-33-8.01 W 123.256 feet Thence N 74-55-53.44 W 210.829 feet Thence N 69-13-36.87 W 242.847 feet Thence N 74-19-12.51 W 231.775 feet Thence N 71-33-58.97 W 136.177 feet Thence N 69-26-9.37 W 33.452 feet Thence N 37-18-20.26 W 103.355 feet Thence N 34-52-29.55 W 157.471 feet Thence N 24-13-50.84 W 85.865 feet Thence N 21-26-55.05 W 235.542 feet Thence N 19-5-36.57 W 215.432 feet Thence N 18-0-9.03 W 164.661 feet Thence N 19-39-12.18 W 87.295 feet Thence N 4-14-11.74 E 105.99 feet Thence N 34-30-30.68 E 152.031 feet Thence N 40-14-10.28 E 200.003 feet Thence N 11-18-22.25 E 59.882 feet Thence N 4-23-55.34 W 102.091 feet Thence N 1-26-2.13 E 156.649 feet Thence N 6-57-17.75 W 161.7 feet Thence N 23-57-32.29 W 115.666 feet Thence N 38-30-13.35 W 110.061 feet Thence N 52-41-39.74 W 103.355 feet Thence N 56-18-56.02 W 84.689 feet Thence N 53-20-35.08 W 209.841 feet Thence N 56-43-28.60 W 149.837 feet Thence N 45-0-0.00 W 149.497 feet Thence N 32-0-21.35 W 110.791 feet Thence N 22-14-46.23 W 93.057 feet Thence N 13-8-10.81 W 120.606 feet Thence N 10-29-21.63 W 107.496 feet Thence N 18-42-48.65 W 128.134 feet Thence N 33-13-43.64 W 135.734 feet Thence N 32-11-56.03 W 124.911 feet Thence N 40-27-39.53 W 174.95 feet Thence N 48-39-14.65 W 130.366 feet Thence N 41-11-9.33 W 83.234 feet Thence N 67-54-44.85 W 291.525 feet Thence N 74-52-31.78 W 150.047 feet Thence N 73-36-41.01 W 208.116 feet Thence N 62-26-45.18 W 101.559 feet Thence N 61-49-24.39 W 124.357 feet Thence N 59-44-36.83 W 108.778 feet Thence N 44-59-30.73 W 49.83 feet Thence N 45-0-0.00 W 66.44 feet Thence N 45-51-22.34 W 185.495 feet Thence N 43-36-16.41 W 113.531 feet Thence N 28-36-19.20 W 98.105 feet Thence N 15-9-19.76 W 97.346 feet Thence N 7-21-9.64 E 122.366 feet Thence N 19-44-50.76 E 162.22 feet Thence N 30-57-49.52 E 136.969 feet Thence N 34-9-37.20 E 132.464 feet Thence N 14-2-10.48 E 129.136 feet Thence N 32-54-36.87 W 79.271 feet Thence N 68-32-53.59 W 117.768 feet Thence N 78-41-32.93 W 139.743 feet Thence N 83-12-32.03 W 165.582 feet Thence N 87-52-53.44 W 105.772 feet Thence N 81-28-9.24 W 158.352 feet Thence N 84-33-33.62 W 82.582 feet Thence N 68-11-18.59 W 31.624 feet Thence N 33-6-54.11 W 107.501 feet Thence N 27-20-56.09 W 127.817 feet Thence N 15-42-38.72 W 130.142 feet Thence N 12-31-46.81 W 144.368 feet Thence N 11-37-53.65 W 135.901 feet Thence N 0-0-0.00 E 7.83 feet Thence N 0-0-0.00 E 54.81 feet Thence N 0-0-0.00 E 50.89 feet Thence N 31-36-27.01 E 119.52 feet Thence N 54-27-1.64 E 33.677 feet Thence N 58-40-28.33 E 52.703 feet Thence N 60-25-28.22 E 166.562 feet Thence N 68-33-4.95 E 235.542 feet Thence N 62-29-21.11 E 211.878 feet Thence N 54-7-1.64 E 227.1 feet Thence N 40-36-23.26 E 36.091 feet Thence N 39-16-55.78 E 55.643 feet Thence N 11-2-28.59 E 163.537 feet Thence N 2-7-26.05 W 105.773 feet Thence N 8-44-46.18 W 102.988 feet Thence N 4-23-49.14 W 153.131 feet Thence N 33-41-24.24 E 28.231 feet Thence N 57-43-21.42 E 87.974 feet Thence N 64-43-26.18 E 155.862 feet Thence N 60-31-13.21 E 103.431 feet Thence N 65-33-50.63 E 47.308 feet Thence N 53-48-23.64 E 99.439 feet Thence N 58-46-50.21 E 151.066 feet Thence N 46-50-51.40 E 171.725 feet Thence N 52-7-30.06 E 89.276 feet Thence N 58-10-17.12 E 133.623 feet Thence N 67-15-0.68 E 131.598 feet Thence N 71-1-53.89 E 132.474 feet Thence N 60-15-18.43 E 189.382 feet Thence N 49-23-36.74 E 36.091 feet Thence N 14-44-27.27 E 76.911

feet Thence N 0-0-0.00 E 74.39 feet Thence N 19-10-27.55 W 95.328 feet Thence N 12-20-28.57 W 128.243 feet Thence N 11-45-55.32 W 95.976 feet Thence N 14-49-46.40 W 68.843 feet Thence N 0-0-0.00 E 39.15 feet Thence N 4-5-26.94 W 54.95 feet Thence N 12-31-49.91 E 72.179 feet Thence N 24-26-38.24 E 94.61 feet Thence N 30-34-54.09 E 100.046 feet Thence N 39-28-28.46 E 86.215 feet Thence N 34-41-19.37 E 61.903 feet Thence N 43-1-39.00 E 80.325 feet Thence N 48-48-32.02 E 41.62 feet Thence N 78-41-24.24 E 39.925 feet Thence N 84-17-47.95 E 39.345 feet Thence N 90-0-0.00 E 39.15 feet Thence S 66-30-0.98 E 98.183 feet Thence S 65-13-21.78 E 56.05 feet Thence S 48-34-35.83 E 88.752 feet Thence S 55-0-28.73 E 95.577 feet Thence S 57-39-15.47 E 139.021 feet Thence S 56-18-35.76 E 84.694 feet Thence S 64-47-49.98 E 73.552 feet Thence S 80-31-32.92 E 23.815 feet Thence N 90-0-0.00 E 43.07 feet Thence N 67-44-44.86 E 93.051 feet Thence N 65-5-50.57 E 120.857 feet Thence N 57-43-21.42 E 87.974 feet Thence N 60-15-23.83 E 94.696 feet Thence N 48-48-50.67 E 83.234 feet Thence N 48-0-34.39 E 52.66 feet Thence N 62-56-55.58 E 103.301 feet Thence N 78-41-36.40 E 99.817 feet Thence S 88-40-9.99 E 168.385 feet Thence S 88-41-58.68 E 172.294 feet Thence N 90-0-0.00 E 191.83 feet Thence N 86-25-41.60 E 125.524 feet Thence N 57-59-40.62 E 73.868 feet Thence N 43-36-3.88 E 113.539 feet Thence N 45-0-0.00 E 127.336 feet Thence N 38-55-33.03 E 130.842 feet Thence N 56-19-29.80 E 21.173 feet Thence N 78-41-3.98 E 59.884 feet Thence N 88-27-8.94 E 434.719 feet Thence N 87-6-59.16 E 544.86 feet Thence N 90-0-0.00 E 277.96 feet Thence S 42-42-23.70 E 69.267 feet Thence S 37-34-6.93 E 128.422 feet Thence S 41-14-52.93 E 338.44 feet Thence S 41-59-19.79 E 79.015 feet Thence S 56-18-22.25 E 42.343 feet Thence S 66-22-28.06 E 68.371 feet Thence S 64-13-46.86 E 126.068 feet Thence S 60-15-13.02 E 94.687 feet Thence S 41-38-15.28 E 47.139 feet Thence S 1-16-7.65 E 618.712 feet Thence S 0-32-46.95 E 411.079 feet Thence S 5-7-38.14 E 306.597 feet Thence S 14-55-54.56 E 364.653 feet Thence S 23-37-58.43 E 102.551 feet Thence S 54-27-44.36 E 67.356 feet Thence S 81-19-31.54 E 233.653 feet Thence S 89-42-23.56 E 763.41 feet Thence N 90-0-0.00 E 160.51 feet Thence S 81-11-31.36 E 281.277 feet Thence S 84-58-8.18 E 312.444 feet Thence S 82-45-46.56 E 248.621 feet Thence S 78-23-19.98 E 291.75 feet Thence S 70-42-31.92 E 248.874 feet Thence S 60-22-36.19 E 229.681 feet Thence S 60-56-39.28 E 241.836 feet Thence S 55-45-16.19 E 111.295 feet Thence S 48-0-46.04 E 105.342 feet Thence N 77-28-22.49 E 36.099 feet Thence N 36-15-10.77 E 72.816 feet Thence N 27-18-1.92 E 136.572 feet Thence N 32-49-46.62 E 144.427 feet Thence N 28-44-13.15 E 138.418 feet Thence N 30-44-10.88 E 168.523 feet Thence N 36-1-31.90 E 159.739 feet Thence N 41-11-9.33 E 166.468 feet Thence N 50-11-52.90 E 122.302 feet Thence N 59-39-21.50 E 185.989 feet Thence N 79-41-41.15 E 131.308 feet Thence N 81-52-11.63 E 110.733 feet Thence N 88-39-57.74 E 168.386 feet Thence N 90-0-0.00 E 176.17 feet Thence N 90-0-0.00 E 160.51 feet Thence S 84-55-12.90 E 176.865 feet Thence S 80-8-5.03 E 91.402 feet Thence S 83-28-47.86 E 68.956 feet Thence S 73-44-7.25 E 97.867 feet Thence S 72-53-52.07 E 159.754 feet Thence S 68-41-4.49 E 172.296 feet Thence S 65-53-41.01 E 162.972 feet Thence S 74-50-50.47 E 194.689 feet Thence S 68-23-9.39 E 223.183 feet Thence S 73-50-6.78 E 281.249 feet Thence S 85-25-33.05 E 98.183 feet Thence N 43-18-54.91 E 188.32 feet Thence N 29-28-46.79 E 103.431 feet Thence N 21-47-53.72 E 168.66 feet Thence N 20-11-12.30 E 141.822 feet Thence N 23-48-20.63 E 145.477 feet Thence N 24-22-38.70 E 137.542 feet Thence N 8-58-

10.06 W 75.301 feet Thence N 24-26-47.86 W 141.913 feet Thence N 24-26-38.24 W 189.22 feet Thence N 24-31-4.81 W 245.265 feet Thence N 25-20-51.80 W 246.922 feet Thence N 26-33-54.18 W 236.352 feet Thence 26-33-47.16 W 131.311 feet Thence N 23-12-40.35 W 29.813 feet Thence N 13-34-20.08 E 116.802 feet Thence N 37-28-37.20 E 147.984 feet Thence N 57-39-2.94 E 139.027 feet Thence N 69-56-40.40 E 262.561 feet Thence N 75-9-44.97 E 305.765 feet Thence N 74-32-18.18 E 381.818 feet Thence N 76-58-18.55 E 486.226 feet Thence N 62-19-6.40 E 269.676 feet Thence N 42-30-25.68 E 31.864 feet Thence N 18-2-5.23 E 177.038 feet Thence N 19-34-14.71 E 186.972 feet Thence N 3-12-36.38 E 328.586 feet Thence N 4-14-26.30 E 84.792 feet Thence N 3-27-38.60 W 408.685 feet Thence N 3-39-6.50 W 553.123 feet Thence N 1-59-31.78 W 450.482 feet Thence N 3-34-32.46 W 219.668 feet Thence N 1-31-17.29 W 442.536 feet Thence N 0-43-34.18 E 309.305 feet Thence N 0-0-0.00 E 50.89 feet Thence N 16-8-33.22 E 154.876 feet Thence N 30-57-55.33 E 182.617 feet Thence N 35-32-14.22 E 168.384 feet Thence N 50-37-47.15 E 197.5 feet Thence N 60-27-47.03 E 134.994 feet Thence N 72-53-50.18 E 31.555 feet Thence N 78-19-1.74 E 59.36 feet Thence N 87-36-47.93 E 96.294 feet Thence S 84-26-50.88 E 145 feet Thence N 86-59-39.55 E 38.142 feet Thence S 85-18-54.33 E 122.68 feet Thence S 85-1-57.94 E 138.821 feet Thence S 85-10-6.23 E 142.828 feet Thence S 87-11-9.51 E 122.418 feet Thence N 30-27-50.67 E 39.527 feet Thence S 72-18-50.30 E 72.58 feet Thence S 71-57-8.20 E 187.632 feet Thence S 71-18-24.81 E 281.436 feet Thence S 72-13-29.18 E 275.744 feet Thence S 74-3-17.72 E 248.075 feet Thence S 77-28-9.84 E 277.193 feet Thence S 53-17-24.45 E 73.758 feet Thence S 24-8-49.05 E 63.704 feet Thence S 28-13-9.14 E 93.265 feet Thence S 20-10-12.84 E 104.637 feet Thence S 24-54-7.99 E 123.756 feet Thence S 68-11-54.93 E 70.169 feet Thence S 73-56-29.06 E 137.662 feet Thence S 75-57-49.52 E 165.295 feet Thence S 74-40-6.40 E 128.856 feet Thence S 77-54-18.04 E 172.192 feet Thence S 79-36-39.28 E 122.275 feet Thence S 72-21-7.28 E 46.278 feet Thence S 7-40-15.45 W 52.591 feet Thence S 11-3-29.63 W 177.679 feet Thence S 16-24-40.94 W 269.563 feet Thence S 11-5-8.25 W 53.101 feet Thence S 3-10-58.53 W 112.924 feet Thence S 3-25-53.19 W 156.881 feet Thence S 3-52-34.40 E 185.204 feet Thence S 7-2-16.78 E 255.616 feet Thence S 16-23-24.79 E 332.982 feet Thence S 29-55-52.99 E 119.267 feet Thence S 28-10-45.54 E 149.227 feet Thence S 26-6-45.80 E 177.876 feet Thence S 28-46-49.51 E 253.711 feet Thence S 41-55-20.55 E 206.249 feet Thence S 60-9-13.71 E 220.265 feet Thence S 67-45-6.23 E 223.337 feet Thence S 77-44-6.22 E 147.435 feet Thence S 88-3-23.66 E 184.886 feet Thence N 87-8-10.96 E 188.155 feet Thence N 90-0-0.00 E 184.78 feet Thence S 85-29-11.23 E 238.77 feet Thence S 78-15-40.40 E 246.301 feet Thence S 75-45-39.31 E 216.491 feet Thence S 70-52-50.55 E 248.614 feet Thence S 74-44-38.53 E 178.542 feet Thence S 74-50-21.11 E 251.483 feet Thence S 70-46-20.38 E 142.626 feet Thence S 58-26-52.95 E 209.49 feet Thence S 41-28-3.14 E 179.72 feet Thence S 47-17-20.94 E 221.643 feet Thence S 45-0-7.32 E 199.312 feet Thence S 53-14-22.51 E 162.23 feet Thence S 60-5-59.00 E 144.516 feet Thence S 51-57-11.03 E 182.945 feet Thence S 57-3-36.94 E 264.953 feet Thence S 53-17-58.96 E 214.849 feet Thence S 53-44-23.35 E 58.263 feet Thence S 49-58-14.16 E 102.257 feet Thence S 45-42-33.18 E 89.689 feet Thence S 49-45-35.49 E 53.344 feet Thence N 90-0-0.00 E 153.46 feet Thence N 76-49-26.94 E 151.18 feet Thence N 77-33-45.59 E 218.088 feet Thence N 80-32-11.53 E 247.66 feet Thence N 73-57-3.81 E 237.902 feet Thence

N 64-12-12.53 E 208.72 feet Thence N 62-38-12.99 E 402.021 feet Thence N 58-42-25.80 E 186.923 feet Thence N 54-27-41.39 E 80.826 feet Thence N 53-7-45.60 E 297.528 feet Thence N 54-9-45.12 E 278.161 feet Thence N 48-55-49.70 E 290.803 feet Thence N 50-15-28.70 E 362.503 feet Thence N 50-19-53.10 E 333.628 feet Thence N 79-20-50.75 E 321.877 feet Thence N 85-48-47.68 E 257.507 feet Thence S 88-24-26.06 E 225.577 feet Thence S 85-54-51.78 E 219.799 feet Thence S 81-32-26.93 E 191.564 feet Thence S 55-0-2.21 E 38.234 feet Thence S 26-33-54.18 E 154.065 feet Thence S 27-5-36.65 E 151.281 feet Thence S 42-5-38.35 E 130.827 feet Thence S 61-23-3.47 E 78.487 feet Thence N 84-28-12.03 E 97.544 feet Thence N 75-34-41.69 E 13.187 feet Thence N 80-20-31.63 E 149.316 feet Thence S 3-10-47.39 W 141.157 feet Thence S 0-0-0.00 W 184.78 feet Thence S 0-33-2.04 W 325.735 feet Thence S 3-21-59.71 W 266.67 feet Thence S 4-18-20.63 W 292.094 feet