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EXHIBIT A

The Middle Park Water Conservancy District, General Map of the Troublesome
Project (1959)

HAYPARK CANAL

First:- The Haypark Canal has two points of diversion as follows:
 (1) Headgate No. 1 and point of diversion No. 1 is located at a point on the right bank of the East Fork of Troublesome Creek, whence the Northwest Corner of Section 4, Township 2 North, Range 79 West of the 6th Principal Meridian, bears South 42° 57' East at a distance of 1,344.4 feet.
 (2) Headgate No. 2 and point of diversion No. 2 is located on the right bank of Monument Creek, tributary to East Fork of Troublesome Creek, at a point where said Canal crosses said Monument Creek and whence the Northwest Corner of Section 4, Township 2 North, Range 79 West of the 6th Principal Meridian, bears South 77° 34' East at a distance of 3,549.2 feet.
 The entire flow of said canal empties into Troublesome Creek.
 Second:- The depth of said canal at high water line is 3.8 feet. The width of said canal at high water line is 19.4 feet. The bottom width of said canal is 8.0 feet. The grade of said canal is 0.553 feet per 1000 feet of length. The length of said canal is 33,336 feet or 6.3 miles.
 Third:- The carrying capacity of said canal is 145 cubic feet of water per second of time. The sources of supply of said canal are the following:
 (a) Storage releases from the Haypark Reservoir.
 (b) Direct flow of the East Fork of Troublesome Creek.
 (c) Direct flow of Monument Creek.
 The total capacity of said canal may be derived from any one or all of said sources; and claim is hereby made for said water for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of construction of said canal is \$343,600.
 Fifth:- Said canal is an integral part of the Troublesome Project, on which Project work was commenced by survey therefor, on the Haypark Reservoir of said Project, on August 5, 1959.

KIRTZ No. 2 DITCH ENLARGEMENT

the Kirtz No. 2 Ditch.
 First:- The headgate and point of diversion of said enlarged ditch is located at the right abutment of the existing diversion dam for the Kirtz No. 2 Ditch on Troublesome Creek, located at a point approximately 0.74 miles downstream from the terminus of the Haypark Canal. The said headgate and point of diversion is located at a point whence the North Quarter Corner of Section 26, Township 3 North, Range 80 West of the 6th Principal Meridian, bears North 58° 15' West at a distance of 2,350.8 feet. The said enlarged ditch derives its supply of water from the direct flow of Troublesome Creek and from water delivered to Troublesome Creek through the Haypark Canal previously described.
 Second:- Before enlargement the depth of said ditch at its initial point at high water line is 2.0 feet. The width of said ditch at its initial point at high water line is 15.0 feet. The bottom width of said ditch at its initial point is 11.0 feet. The grade of said ditch is 1.13 feet per 1000 feet of length. The length of said ditch is 91,502 feet or 17.33 miles. With enlargement the depth of said ditch at its initial point at high water line is 4.1 feet. The width of said ditch at its initial point at high water line is 20.3 feet. The bottom width of said ditch at its initial point is 8.0 feet. The grade of said ditch is 0.495 feet per 1000 feet of length. The length of said ditch is 69,702 feet or 13.20 miles. The reduction of the length before enlargement is due to the use of inverted siphons at certain stream crossings and excavated cuts through ridges. Before enlargement the carrying capacity of said ditch is 77.45 cubic feet of water per second of time. With enlargement the carrying capacity of said ditch is 160 cubic feet of water per second of time. Claim is hereby made for the increased carrying capacity of said ditch, or 82.55 cubic feet of water per second of time from the direct flow of Troublesome Creek, for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of enlargement of said ditch is \$329,500.
 Fifth:- Said enlarged ditch is an integral part of the Troublesome Project, on which Project work was commenced by survey therefor on the Haypark Reservoir of said Project on August 5, 1959.

KREMMLING CANAL

First:- The Kremmling Canal has four points of diversion as follows:
 (1) Headgate No. 1 and point of diversion No. 1 of said canal is located at a point on the left bank of Williams River whence the Northeast Corner of Section 26, Township 1 North, Range 79 West of the 6th Principal Meridian, bears North 21° 24' East at a distance of 4,935.2 feet.
 (2) Headgate No. 2 and point of diversion No. 2 of said canal is located at a point on the left bank of Battle Creek, tributary to Williams River, where said canal crosses said Battle Creek, and whence the Northeast Corner of Section 26, Township 1 North, Range 79 West of the 6th Principal Meridian, bears North 53° 58' East at a distance of 5,354.5 feet.
 (3) Headgate No. 3 and point of diversion No. 3 of said canal is located at a point on the left bank of Kinney Creek, tributary to Battle Creek, where said canal crosses said Kinney Creek, and whence the Northeast Corner of Section 26, Township 1 North, Range 79 West of the 6th Principal Meridian, bears North 60° 13' East at a distance of 5,657.3 feet.
 (4) Headgate No. 4 and point of diversion No. 4 of said canal is located at a point on the right bank of Troublesome Creek, tributary to the Colorado River, where said canal crosses said Troublesome Creek, and whence the Northwest Corner of Section 18, Township 2 North, Range 79 West of the 6th Principal Meridian, bears North 64° 37' West at a distance of 1,621.5 feet.

Second:- The depth of said canal at its initial point at high water line is 2.6 feet. The width of said canal at its initial point at high water line is 13.8 feet. The bottom width of said canal at its initial point is 6.0 feet. The grade of said canal at its initial point is 0.677 feet per 1000 feet of length. The length of said canal is 140,470 feet or 26.60 miles.
 Third:- The carrying capacity of said canal at the Williams River, Battle Creek, and Kinney Creek headgates (Headgates Nos. 1, 2, and 3, respectively) is 63 cubic feet of water per second of time, which may be derived from any or all of said sources and for which claim is hereby made for irrigation, domestic, stock watering, and other beneficial uses and purposes. The carrying capacity of said canal at the Troublesome Creek headgate (Headgate No. 4) is 35 cubic feet of water per second of time, to be derived from the direct flow of Troublesome Creek or from above sources, or both, and for which claim is hereby or has hereinbefore been made for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of construction of said canal is \$740,400.
 Fifth:- Said canal is an integral part of the Troublesome Project on which Project work was commenced by survey therefor on the Haypark Reservoir of said Project on August 5, 1959.

WILLIAMS FORK DAM BYPASS TUNNEL

First:- The upstream portal of said tunnel is at a point near the left abutment of the Williams Fork Dam, whence the Northeast Corner of Section 26, Township 1 North, Range 79 West of the 6th Principal Meridian, bears South 32° 21' East at a distance of 2485.8 feet.
 Second:- The maximum clear width of said tunnel is 4.75 feet. The maximum clear height of said tunnel is 6 feet. The thickness of concrete lining of said tunnel is 9 inches. The grade of said tunnel is 0.327 feet per 1000 feet of length. The length of said tunnel is 125 feet. The maximum depth of water in said tunnel is 4.75 feet.
 Third:- The carrying capacity of said tunnel is 63 cubic feet of water per second of time for which claim is hereby made for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of construction of said tunnel is \$11,600.
 Fifth:- Said tunnel is an integral part of the Kremmling Canal and Troublesome Project, on which Project work was commenced by survey therefor on the Haypark Reservoir of said Project on August 5, 1959.

KREMMLING SIPHON

First:- The inlet of said siphon is located at a point on the Kremmling Canal whence the Southwest Corner of Section 10, Township 1 North, Range 79 West of the 6th Principal Meridian, bears South 81° 49' West at a distance of 1,722.5 feet.
 Second:- The inside diameter of said siphon is 42 inches. The hydraulic gradient of said siphon is 3.03 feet per 1000 feet of length. The length of said siphon is 3,488 feet.
 Third:- The carrying capacity of said siphon is 63 cubic feet of water per second of time, for which claim is hereby made for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of construction of said siphon is \$174,400.
 Fifth:- Said siphon is an integral part of the Kremmling Canal and Troublesome Project on which Project work was commenced by survey therefor on the Haypark Reservoir of said Project on August 5, 1959.

ROCK CREEK LATERAL

First:- Said Rock Creek Lateral is a branch of the Kremmling Canal, previously described, from which it receives its supply of water. The headgate and point of diversion is located at the outlet of the Kremmling Siphon, whence the Northwest Corner of Section 10, Township 1 North, Range 79 West of the 6th Principal Meridian, bears North 31° 43' West at a distance of 2,012.6 feet.
 Second:- The depth of said canal at high water line is 0.8 feet. The width of said canal at high water line is 4.4 feet. The bottom width of said canal is 2.0 feet. The grade of said canal is 5.67 feet per 1000 feet of length. The length of said canal is 8049.2 feet or 1.52 miles.
 Third:- The initial carrying capacity of said canal is 7.0 cubic feet of water per second of time, for which claim has hereinbefore been made under the claim for the Kremmling Canal, for irrigation, domestic, stock watering, and other beneficial uses and purposes.
 Fourth:- The estimated cost of construction of said canal is \$14,800.
 Fifth:- Said lateral canal is an integral part of the Troublesome Project, on which Project work was commenced by survey therefor on the Haypark Reservoir of said Project on August 5, 1959.

GENERAL MAP OF THE TROUBLESOME PROJECT GRAND COUNTY, COLORADO IRRIGATION DIVISION NO. 5 WATER DISTRICTS NO. 50 AND 51 COURSES REFERRED TO TRUE MERIDIAN SCALE: 1 INCH = 1 MILE SHEET 1 OF 6 STATEMENT

KNOW ALL MEN BY THESE PRESENTS: That The Middle Park Water Conservancy District, whose post office address is Granby, Colorado, acting by and through its officers thereunto duly authorized, has caused to be located in Grand County, Colorado, in Water Districts Nos. 50 and 51, Irrigation Division 5, State of Colorado, the Troublesome Project, the principal features of which consist of the Haypark Reservoir, the Haypark Canal, the Kirtz No. 2 Ditch Enlargement, the Kremmling Canal, the Williams Fork Dam Bypass Tunnel, the Kremmling Siphon, and the Rock Creek Lateral, all of which are interrelated and comprise integral parts and components of said Project. The general map of said Troublesome Project, together with separate maps relative to each principal feature of said Project and the several statements relative thereto, consisting in all of six (6) sheets, form a part of this filing.

Work on the Troublesome Project was commenced by survey therefor, on the Haypark Reservoir of said Project, on August 5, 1959.

The following statements relative to said Troublesome Project and features thereof, above referred to, set forth the sources, location, dimensions and capacities of said works. The said works were designed for the diversion, storage, transportation, regulation, conservation, and application of water to beneficial uses.

HAYPARK RESERVOIR

First:- The height of dam is 143 feet.
 Second:- The initial point of survey of the high water line of said reservoir is located at a point whence the Northwest Corner of Section 4, Township 2 North, Range 79 West of the 6th Principal Meridian, bears South 26° 13' West at a distance of 2417.5 feet.
 Third:- The area and capacity tables of said reservoir are shown on Sheet 2 of this filing.
 Fourth:- The total capacity of said reservoir is 876,380,591 cubic feet or 20,118.9 acre feet of water, (including 39,534,316 cubic feet or 907.6 acre feet of dead storage, for which claim is hereby made for irrigation, domestic, stock watering and other beneficial uses and purposes.
 Fifth:- The source of supply for said reservoir is the East Fork of Troublesome Creek, tributary to Troublesome Creek.
 Sixth:- The outlet of said reservoir would discharge into the East Fork of Troublesome Creek immediately downstream from the dam forming said reservoir. This outlet would have a capacity of 170 cubic feet of water per second of time and would consist of a circular section of tunnel through the left abutment ending in a high-pressure gate house just upstream of the dam axis and a horseshoe shaped section terminating in a needle-valve house just downstream of the toe of the dam. The horseshoe section would house a 48-inch welded steel outlet pipe, connecting the two control mechanisms.
 Seventh:- The estimated cost of said reservoir is \$3,577,200.
 Eighth:- These works are an integral part of the Troublesome Project, on which work was commenced by a survey therefor on the Haypark Reservoir of said Project on August 5, 1959.
 Statement continued on Sheet 1 in 2nd column to left.

Dated and signed at Granby, Colorado, this 22 day of September, 1959.

THE MIDDLE PARK WATER CONSERVANCY DISTRICT

By: *Carl W. Hanson*
 President
 ATTEST: *Angel A. McLaugh*
 Secretary

STATE OF COLORADO)
 COUNTY OF GARFIELD) ss.

Philip P. Smith, being duly sworn on his oath, deposes and says that he is a registered professional Engineer in the State of Colorado, in charge of field work of the Troublesome Project, consisting of the Haypark Reservoir, the Haypark Canal, the Kirtz No. 2 Ditch Enlargement, the Kremmling Canal, the Williams Fork Dam Bypass Tunnel, the Kremmling Siphon, and the Rock Creek Lateral; that the survey of the same and the maps thereof were made under his supervision and that such survey is accurately represented upon these maps, consisting in whole of six (6) sheets; that he has read the statements hereon and the same are true of his own knowledge.

Philip P. Smith
 Philip P. Smith, Registered Engineer

Subscribed and sworn to before me this 27 day of September, A.D. 1959. My Commission Expires October 22, 1961.

Edith B. Williams
 Notary Public

Accepted for filing in the office of the State Engineer of Colorado on this 30th day of SEPTEMBER, 1959.

By: *J. G. Williams*
 State Engineer
 Deputy 21521

