Section III – Part L Water Rights
Dear Mr. Kimm,

Thank you for the opportunity to speak with the Board of the Low Line Canal recently. As a result of this meeting, it became apparent that our engineering calculations were not corresponding to the actual water rights owned by the Ecton Ranch.

After an exhaustive review of the original bylaws of the Low Line Canal and our calculations we determined that we greatly underestimated our actual water rights. The following is an analysis of our actual water rights:

- 1 Share of Low Line Canal = 1 Miner’s Inch
- 260 Shares of Low Line Canal associated with Ecton Ranch = 260 Miner’s inches of water available at Ecton Ranch
- 40 Miner’s inches = 1 Cubic Foot/Second
- \( \frac{260}{40} = 6.5 \) Cubic Feet/Second (as) water available at Ecton Ranch
- 1 CFS = 1.93 Acre-Feet Per Day (AF/Day)
- \( 1.98 \) AF/Day x 6.5 CFS = 12.87 AF/Day available water at Ecton Ranch
- Assume water available from Low Line Canal – April 15 through July 1 each year – 77 days
- \( 12.87 \) AF/Day x 77 Days = 991 AF of water available at Ecton Ranch
- Assume only 75% availability averaged out over 77 Day period (75% x 991 AF = 743 AF)
- 1 AF = 325,851 gallons
325,851 gallons x 743 AF = 242,127,293 gallons available annually at Ecton Ranch

It is the desire of the Ownership Group of Ecton Ranch to utilize 78 million gallons or 234 Acre Feet of Low Line Water per year. This is derived from the following analysis:

- 21 Million Gallons for irrigation (261,000 GPD x 77 Days)
- 40 Million Gallons of water for Emergency Fire Water and Water Features
- 15 Million Gallons of water for Groundwater Recharge

Assuming this conservative estimate of water-needs, Amsterdam Village would be able to return 509 Acre Feet of water to the other users of the Low Line Canal. The reality of this analysis indicates only a 32% use of Low Line Canal Water given an average of 75% availability over a 77 day season.

Obviously water is not a guaranteed commodity. We would be willing to further restrict our water use to less than 50% of our shares on any given day throughout the irrigation season. We hereby request that the Low Line Canal consider changing its bylaws allowing for alternative use of irrigation water. We are willing to pay reasonable attorney fees to achieve such a change. We also agree to continue to pay for our full 260 shares of the Low Line Canal.

Please contact me should you have any further questions about this request.

Sincerely,

Wayne Freeman, Director
CTA Landworks
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