Drainage District:

#48

Investigation Summary:

- Per recommendation of previous investigation summary, performed preliminary survey of existing main open ditch flowline, inventory of main open ditch condition, and found the following issues:
- 6,000± feet of the main open ditch that has silt accumulation of ½± feet to 1½± feet (see attached map for locations).
- 2. 15,460± feet of the main open ditch that has eroded below the original design grade (see attached map
- 8.800± feet of the main open ditch that has a bottom width narrower than the original design (see attached map for locations).
- 4. Erosion around the outlet of the main tile at the upper end of the main open ditch.
- . 10± locations of existing tile outlets that are in disrepair.
- 20± locations of existing surface drains that are in disrepair or a new psurface drain is needed.
 15± locations of sluffing on the banks of the main open ditch.
- 8. 5± patches of trees that could promote beaver activity or root growth that could plug tiles.9. 2± locations of rocks/former crossing remnants in the flowline.

Contractor Time and Materials (spent while CGA was on-site):

None recorded as only visual observation and field survey was performed.

Additional Actions Recommended:

Given all of the above issues that could negatively impact drainage capacity, we would recommend a large scale project to remedy them. Since these issues are spread throughout the length of the main open ditch, the construction cost would be well over \$50,000. This amount is high enough that a hearing and an engineer's report would be required.



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