

NOTES:

The site is located in the NW quarter of Section 30, Township 28 South, Range 1 West. It is currently cultivated agricultural field and generally slopes from northwest to southeast and has a small pond that collects runoff. The soils onsite are Tabler silty clay loam. Approximately 19.1 acres and 2.6 acres drains onto the property from the west and north, respectively.

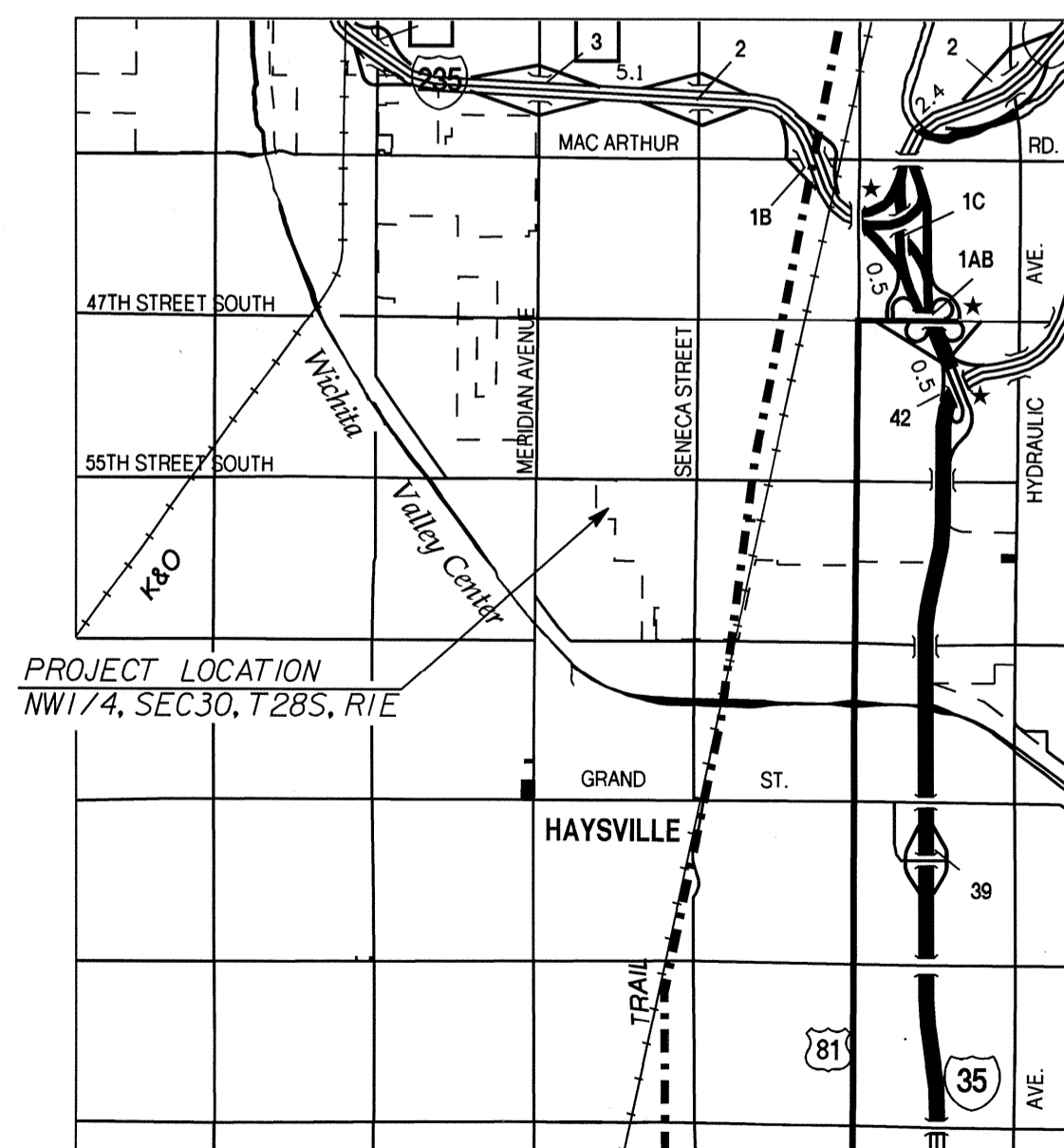
The Owner intends to construct a 4 acre recreational pond on the property that will have a static pool level equal to the ground water elevation (± 1260). An 8' ditch and landscape berm will be constructed along the west and south ends of the property to direct surface runoff from offsite drainage around the ground water pond. The remainder of the site, as well as, the offsite property to the north will drain to the pond. The runoff from these areas will drain across an erosion control blanket before entering the pond. No surface runoff will leave the pond once it enters; therefore, we will be detaining runoff from approximately 18.1 acres that today flows south and east of this site.

The water surface will be atleast 125 feet from all property boundaries.

No additional buildings or pavement are proposed for this property at this time; therefore, the impervious area will remain unchanged.

The Owner shall install Best Management Practices (BMPs) to ensure that erosion is deterred during construction activities. Ditch checks will be used in the diversion ditch along the west and south property lines and an erosion control blanket will be placed along the pond bank. All other disturbed areas will be reseeded by the Owner with grasses of his choosing.

The Existing Runoff values leaving the site assumes no detention in the existing pond.



VICINITY MAP

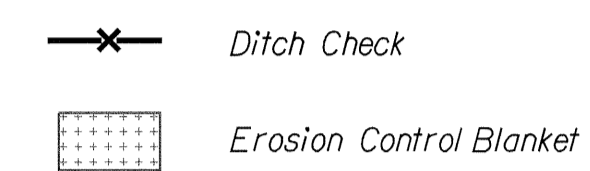
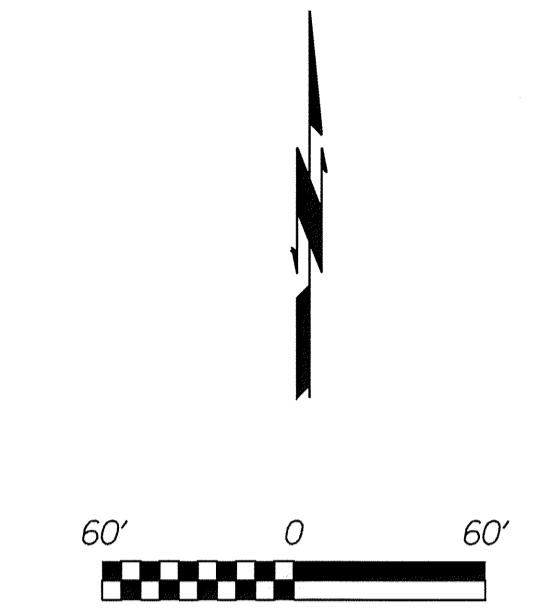
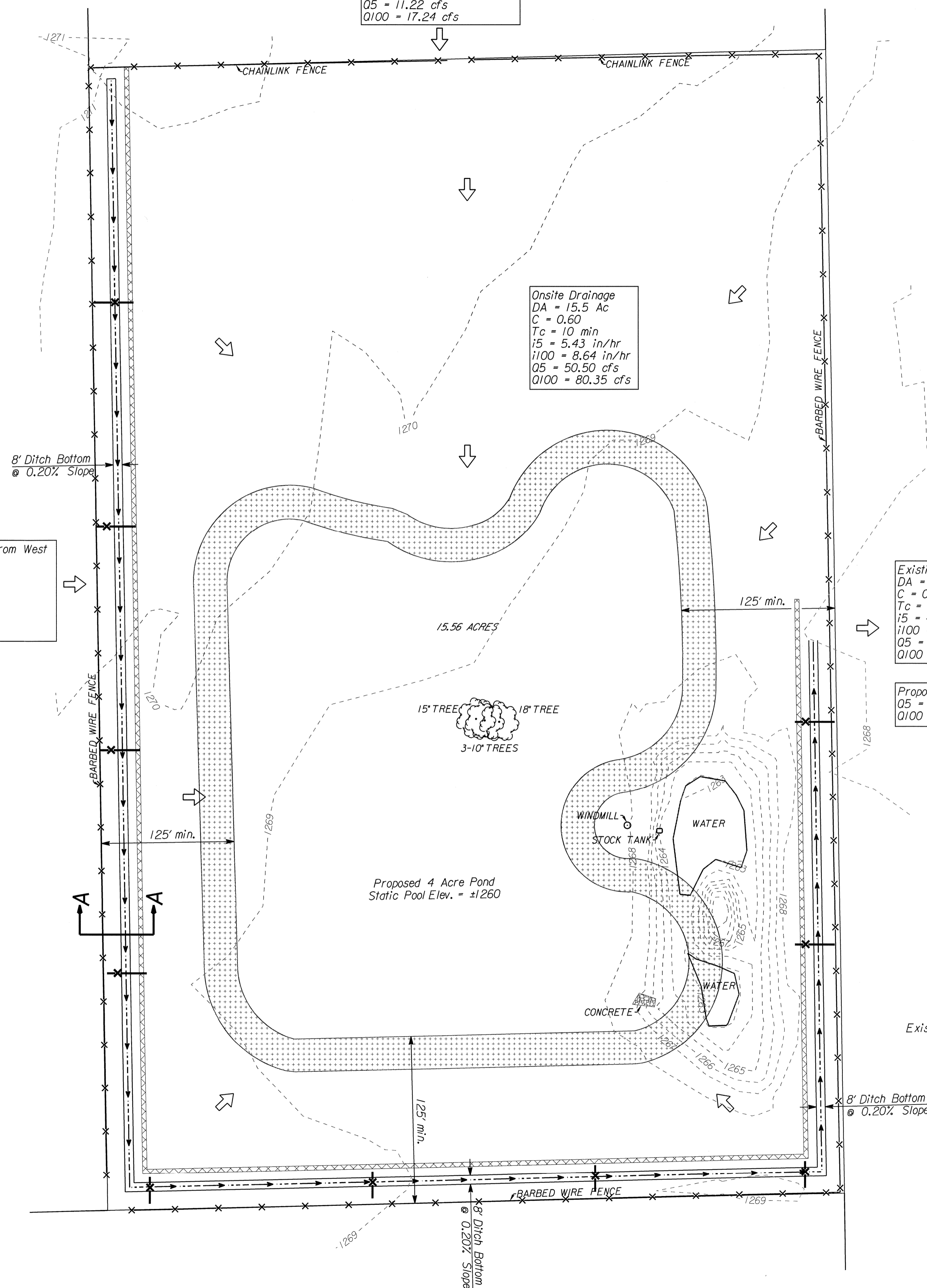
Offsite Drainage from West
 DA = 19.1 Ac
 C = 0.60
 Tc = 10 min
 i5 = 5.43 in/hr
 i100 = 8.64 in/hr
 Q5 = 62.23 cfs
 Q100 = 99.00 cfs

Offsite Drainage from North
 DA = 2.6 Ac
 C = 0.65
 Tc = 5 min
 i5 = 6.64 in/hr
 i100 = 10.20 in/hr
 Q5 = 11.22 cfs
 Q100 = 17.24 cfs

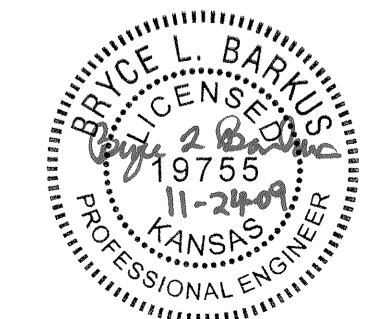
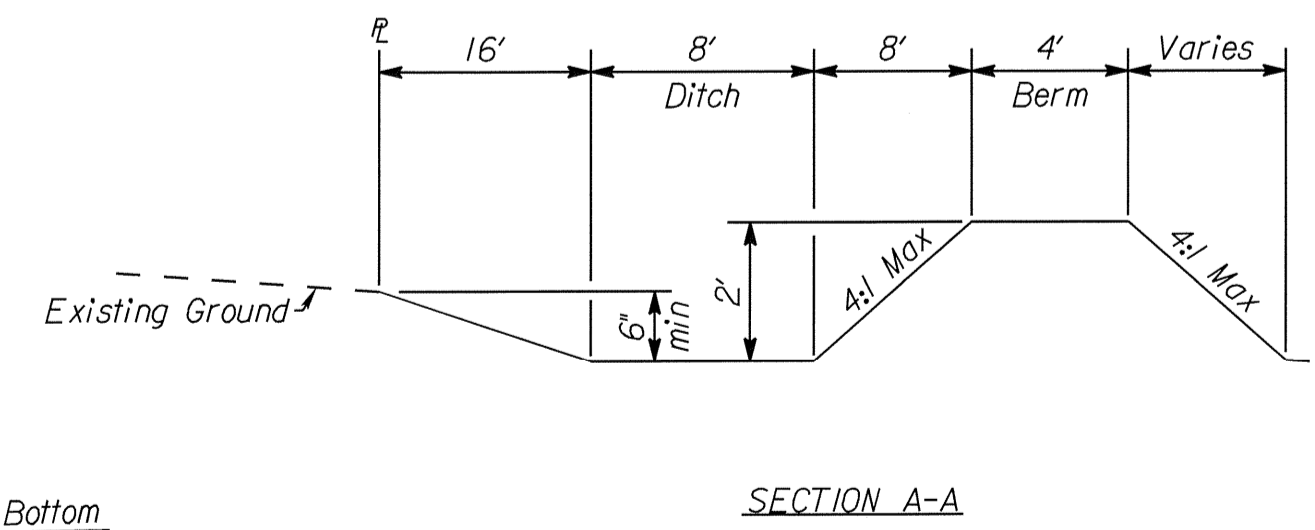
Onsite Drainage
 DA = 15.5 Ac
 C = 0.60
 Tc = 10 min
 i5 = 5.43 in/hr
 i100 = 8.64 in/hr
 Q5 = 50.50 cfs
 Q100 = 80.35 cfs

Existing Runoff Leaving the Site
 DA = 37.3 Acres
 C = 0.60
 Tc = 20 min
 i5 = 4.62 in/hr
 i100 = 7.40 in/hr
 Q5 = 103.40 cfs
 Q100 = 165.61 cfs

Proposed Runoff Leaving the Site
 Q5 = 62.23 cfs
 Q100 = 99.00 cfs



- HORIZONTAL CONTROL**
- CP #50 = 1/2" x 24" rebar w/ plastic cap stamped "Alpha Control"
 N=1650646.4167, E=1642313.4052
 Elevation = 1269.07 (NGVD29)
 - CP #52 = 1/2" x 24" rebar w/ plastic cap stamped "Alpha Control"
 N=1650632.9320, E=1641785.8371
 Elevation = 1269.93 (NGVD29)
 - CP #54 = 1/2" x 24" rebar w/ plastic cap stamped "Alpha Control"
 N=1651638.8447, E=1641722.5229
 Elevation = 1270.09 (NGVD29)
 - CP #56 = 1/2" x 24" rebar w/ plastic cap stamped "Alpha Control"
 N=1651665.8246, E=1642312.9090
 Elevation = 1270.07 (NGVD29)
- VERTICAL CONTROL**
- Benchmark - City of Wichita Brass Disk approximately 1/4 mile west of Meridian on 55th Street South in center of RCB on north side at south face of walk.
 N=1651909.5112, E=1638424.2858
 Elevation = 1273.93 (NGVD29)



Rev.	Date	By	Description

Designer: BLB	Date: 11/24/2009
Drawn By: BLB	Revision No.

Ameritrack WEST CIVIL ENGINEERS & RAILROAD CONTRACTORS 12469 SW 15th Benton, KS 67017 Office: 316-778-2215 Fax: 316-778-1204	Client: Fremar Corporation McClure Property
Project No. 421x	Drainage Plan