

NOTES:

- 1) Offsite Drainage will be accepted onto the site and conveyed either overland or by storm sewer to the drainage ditches or ponds.
- 2) The HW100 for the existing west pond is from record information provided by the City of Wichita dated March 27, 1990 and prepared by MKEC.
- 3) Basins C, F, K & L will most likely be picked up by storm sewer and piped to the ponds and drainage ditches. The exact size and location will be determined when the lots are developed.
- 4) Basins G & H will either be picked up by storm sewer and piped to the existing ponds or KDOT will need to be contacted to request permission to release stormwater into their ditch when the site is developed.
- 5) It may be beneficial to remove the sump in Toben Road at Nodes 290 & 300 and carry the flow to the sump at Nodes 200 & 210. If this option is explored, the road designer will need to evaluate the inlet and SWS at this location to accommodate the additional flow.
- 6) Since the storm sewer is sized for the 5 Yr event, the road designer will need to accommodate major storm event flows at Node 200 to prevent the right of way and adjacent pond slopes from erosion.

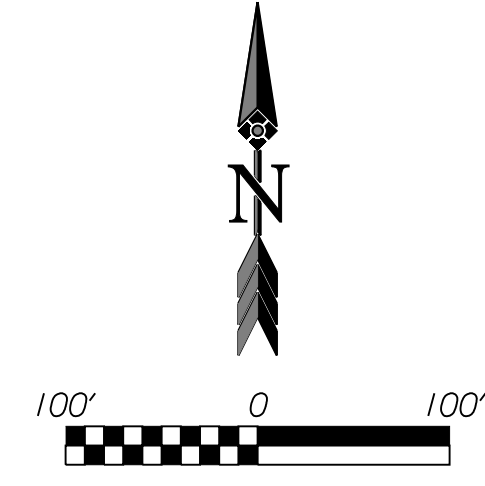
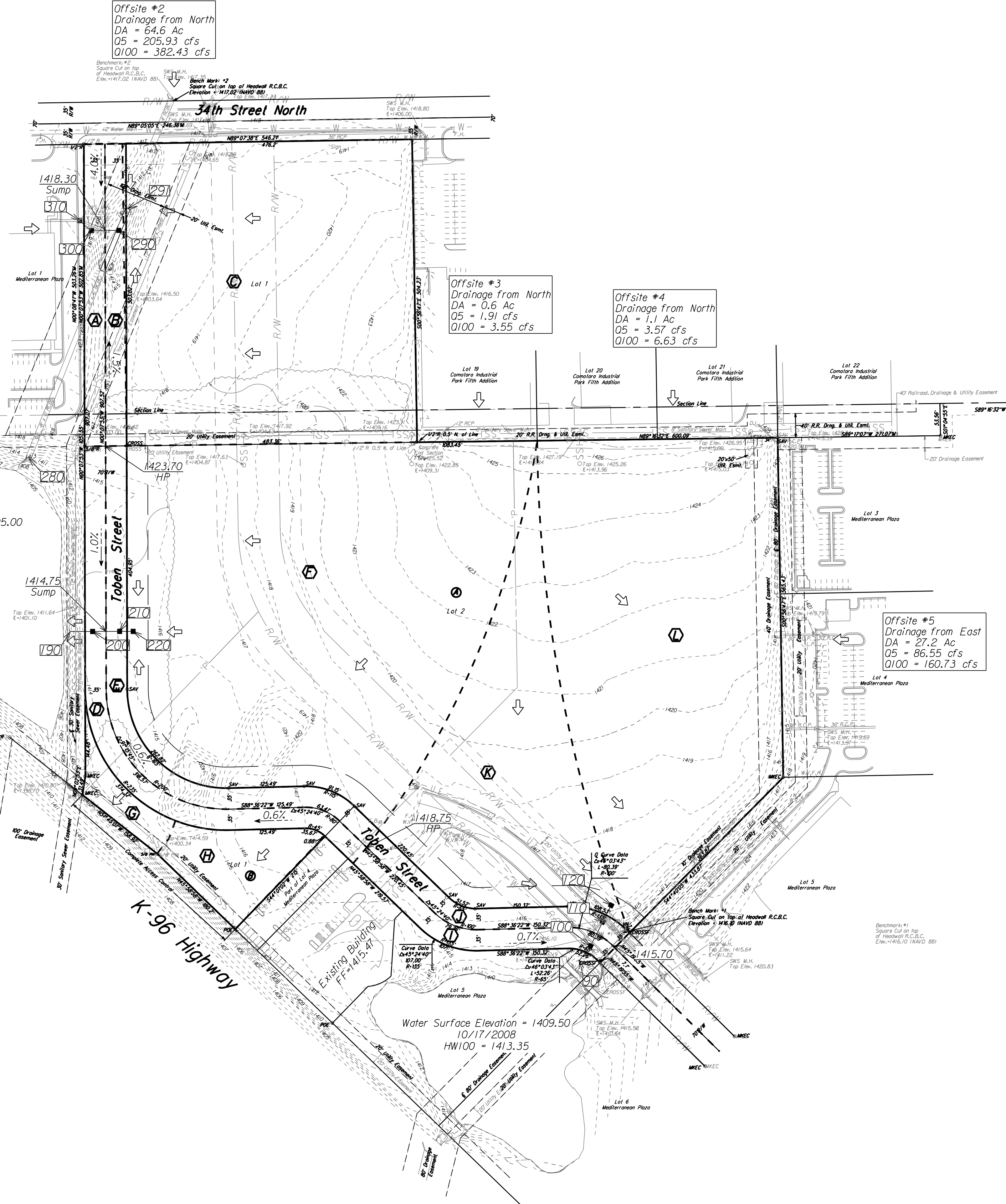
Offsite #1
Drainage from West
DA = 1.0 Ac
Q5 = 3.16 cfs
Q100 = 5.86 cfs

Offsite #2
Drainage from North
DA = 64.6 Ac
Q5 = 205.93 cfs
Q100 = 382.43 cfs

Offsite #3
Drainage from North
DA = 0.6 Ac
Q5 = 1.91 cfs
Q100 = 3.55 cfs

Offsite #4
Drainage from North
DA = 1.1 Ac
Q5 = 3.57 cfs
Q100 = 6.63 cfs

Offsite #5
Drainage from East
DA = 27.2 Ac
Q5 = 86.55 cfs
Q100 = 160.73 cfs



- Basin Boundary
- Proposed Storm Sewer
- ⇒ Direction of Storm Water Flow
- ⓐ Basin Identification
- 120 Storm Sewer Node

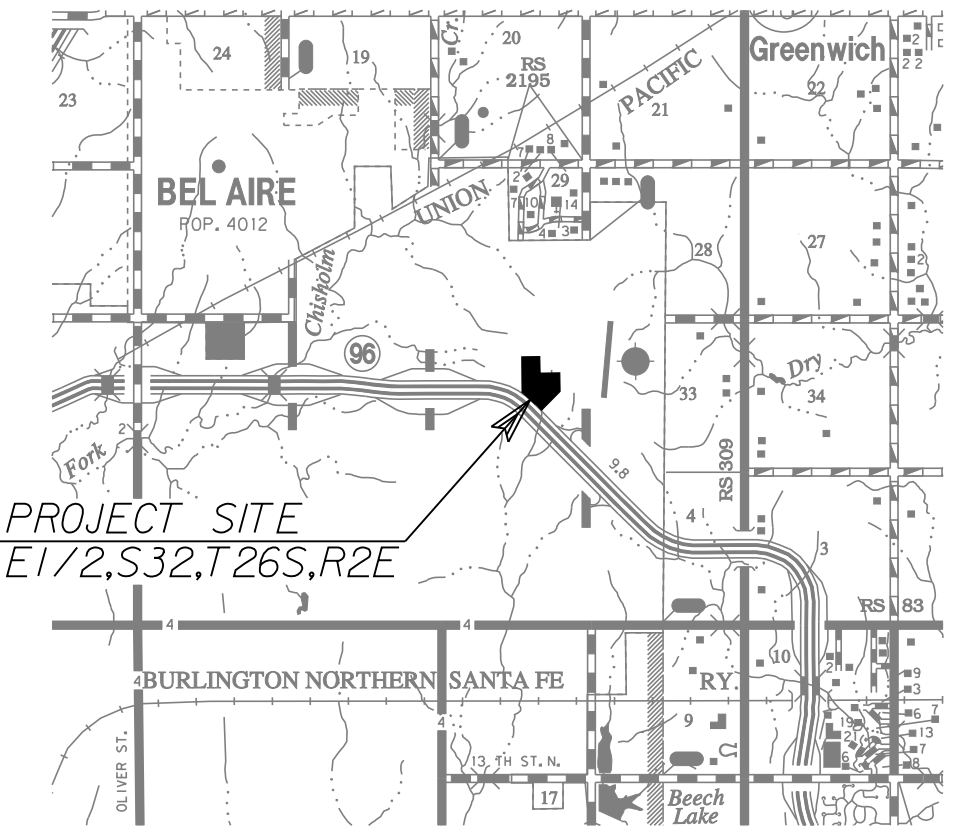
All elevations shown are in NAVD 88 Datum
Minimum Pad (Lowest Opening)
Lot 1, Block B
Elevation = 225.5 (City Datum)
Elevation = 1412.9 (U.S.G.S.) 1413.4 (NGVD88)

Bench Mark: #1
Square Cut top of NW end
Headwall of R.C.B.C. 96'W. & 71'
N. of the SE. (Southerly) Corner of
Lot 2, Block 4, Mediterranean
Plaza Addition.
Elevation = 1416.10 (NAVD88)

Bench Mark: #2
Square Cut top of E. end
Headwall of R.C.B.C. 96'W. & 71'
N. of the NE. Corner of Lot
2, Block 3, Mediterranean Plaza
Addition.
Elevation = 1417.02 (NAVD88)

Basin	IMPERVIOUS AREAS (Ac)	
	Existing	Proposed*
Basin A	0.0	0.4
Basin B	0.0	0.4
Basin C	0.0	4.7
Basin D	0.0	0.8
Basin E	0.0	0.8
Basin F	0.0	6.7
Basin G	0.0	0.2
Basin H	0.0	0.5
Basin I	0.0	0.4
Basin J	0.1	0.4
Basin K	0.3	2.5
Basin L	0.0	5.0
TOTAL	0.4	22.8

*Assumed 100% for street basins and 85% for all others



VICINITY MAP

POE & ASSOCIATES OF KANSAS, INC. CONSULTING ENGINEERS 5940 E. Central, Suite 200 • Wichita, KS 67208-4292 Phone 316865-4114 • FAX 316865-4444	
	FINAL
Designed By: BLB Drawn By: BLB Drawing: 463-Drainage Plan- Revised.dgn Date: February 22, 2010	FIREPOINT ADDITION DRAINAGE PLAN WICHITA, KANSAS JIM ARMOUR, P.E. - CITY ENGINEER
Ameritrack WEST Ameritrack West, Inc.	12469 SW 15th Benton, KS 67015 O: 316-778-2215 F: 316-778-1204