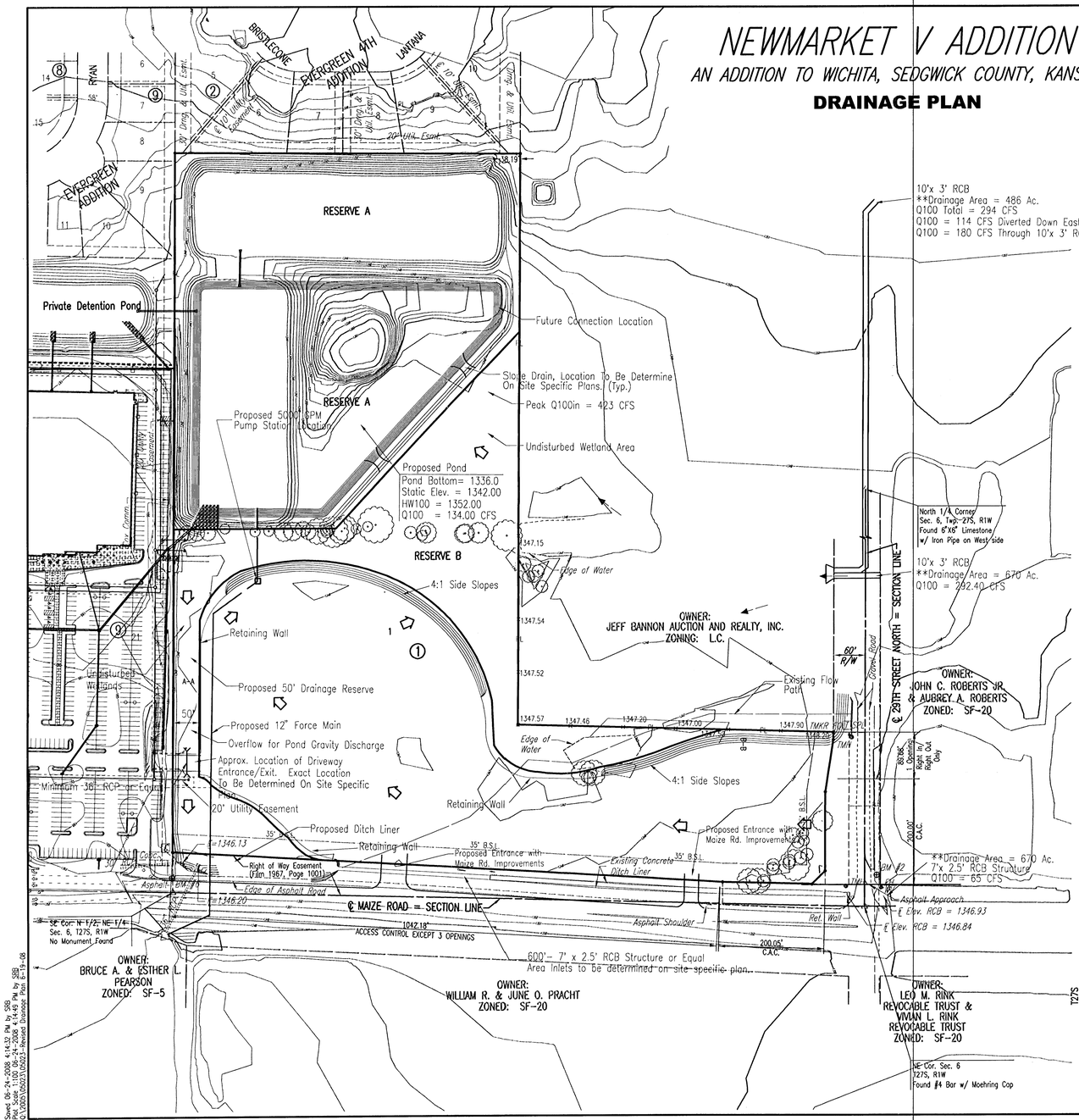
NEWMARKET V ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

DRAINAGE PLAN



NOTE:

Minimum Pad = 167.5 City Datum or 1354.9 NGVD
Total inflow, Q, into the detention pond is based upon a fully developed basin.

The 7'x 2.5' RCB can only handle a portion of the total flow down the Maize Rd. ditch. Currently the rest of the flow is diverted to the west.

Property is located within a FEMA Flood Zone A.

BFE = ELEVATION: 164.1 CITY DATUM
1351.5 N.G.V.D.

*Once a final wetland determination has been done on the property to the west, then the ditch slopes can be adjusted accordingly.

** Total Drainage Area = 670 Acres which drains to 10'x3 & 7'x 2.5' RCB's.

All Elevations in NGVD.

Box Culvert Along Maize Rd. will be installed to meet the requirements of City of Wichita, Traffic Engineering Department.

The drainage plan meets the COE404 Permit Requirements for wetland reduction.

PEC

SCALE: 1" = 100'

BENCHMARKS ⊕ BM

BM #2
CITY OF WICHITA BM DISC 63.4' WNW OF NE COR., SEC. 6, T27S, R1W

ELEVATION: 161.92 CITY DATUM
1349.32 N.G.V.D.

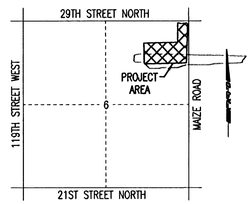
BM #6
CHISELED "d" ON TOP BACK CURB, W. CURB LINE OF MAIZE RD. AT BEGINNING OF CURB ± 1/4 MILE S. OF 29TH ST. N.

ELEVATION: 164.52 CITY DATUM
1351.92 N.G.V.D.

Reserve A – Drainage & Storm Water Detention
Reserve B – Wetland Perservation & Drainage

LEGEND

- Sign
- Flow Arrow– Very Low Flows
- Flowline Of Ditch
- Flow Arrow– Normal Flows
- Existing Flow Path



VICINITY MAP

Revised 6/19/08

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