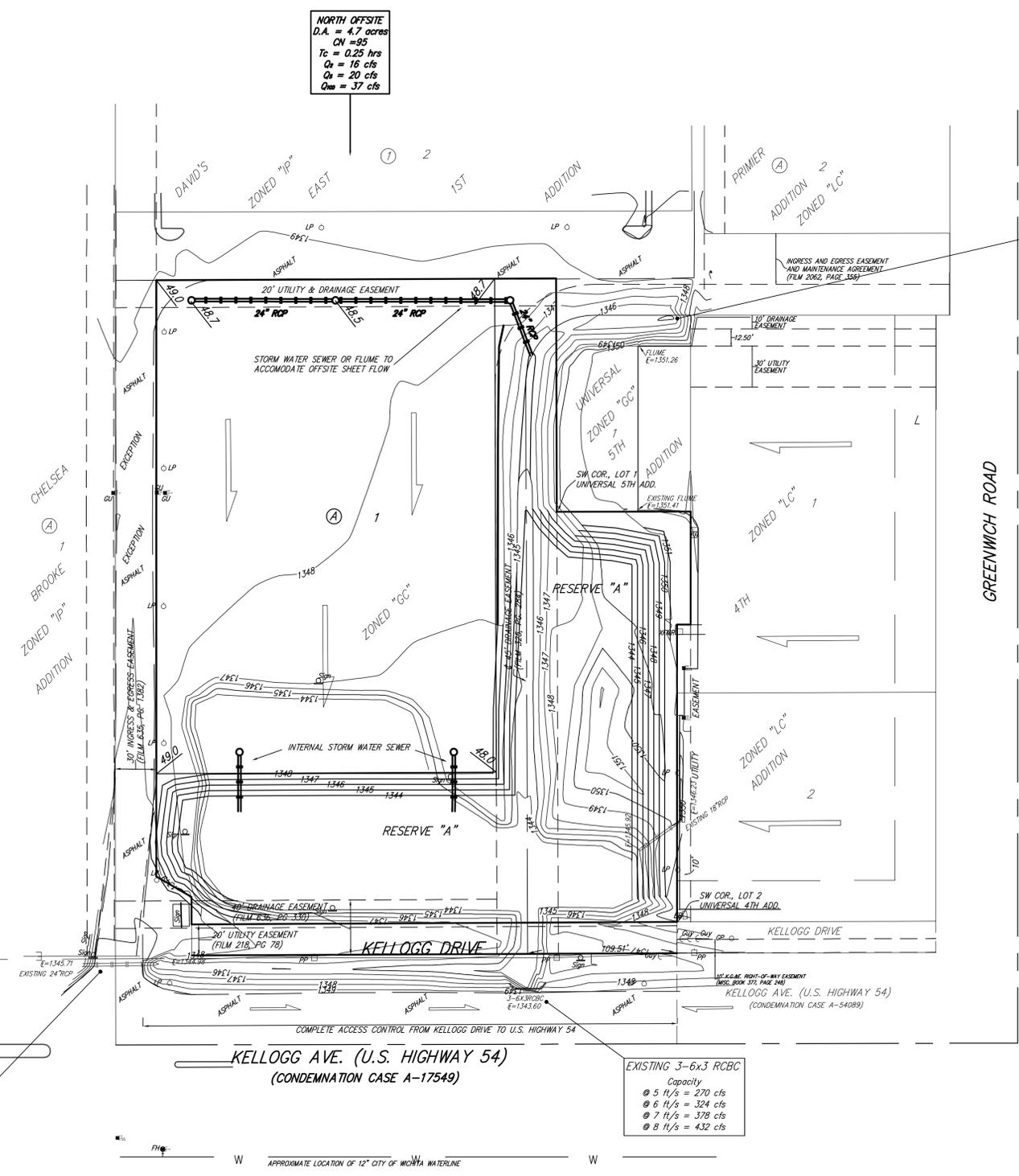


DRAINAGE & GRADING PLAN

GOLDEN CORRAL ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



NORTH OFFSITE
 D.A. = 4.7 acres
 CN = 95
 Tc = 0.25 hrs
 Qs = 16 cfs
 Qs = 20 cfs
 Q100 = 37 cfs

EXISTING 54" RCP
 Capacity
 @ 5 ft/s = 80 cfs
 @ 6 ft/s = 95 cfs
 @ 7 ft/s = 111 cfs
 @ 8 ft/s = 127 cfs

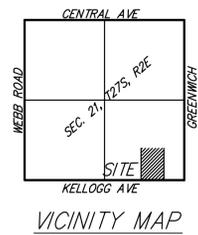
EAST OFFSITE
 D.A. = 51 acres
 CN = 85
 Tc = 0.58 hrs
 Qs = 79 cfs
 Qs = 114 cfs
 Q100 = 235 cfs

24" CMP 5' HEAD
 Capacity of CMP with 5' Head
 Tc = 0.25 hrs
 Qs = 9 cfs
 Qs = 11 cfs
 Q100 = 20 cfs

WEST OFFSITE
 D.A. = 18 acres
 CN = 77
 Tc = 0.40 hrs
 Qs = 24 cfs
 Qs = 38 cfs
 Q100 = 80 cfs

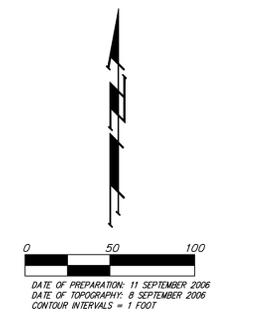
EXISTING 24" RCP
 Capacity
 @ 5 ft/s = 16 cfs
 @ 6 ft/s = 19 cfs
 @ 7 ft/s = 22 cfs
 @ 8 ft/s = 25 cfs

EXISTING 3-6x3 RCBC
 Capacity
 @ 5 ft/s = 270 cfs
 @ 6 ft/s = 324 cfs
 @ 7 ft/s = 378 cfs
 @ 8 ft/s = 432 cfs



MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES

LOT	BLOCK	ELEVATION
1	A	1350.0



OWNER:
 CINEMAS ASSOCIATES
 PO BOX 702560
 WICHITA, KS 67278
 685-3773

CONTRACT PURCHASER:
 CORRAL GROUP, L.P.
 7750 MACARTHUR BLVD.
 SUITE 120-221
 IRVING, TX 75063

BENCHMARK:
 CITY OF WICHITA BENCHMARK - SE. CORNER OF INTERSECTION OF GREENWICH AND KELLOGG, NW. CORNER OF LIGHT POLE BASE, 48.60' NNW. OF C. OF SS MANHOLE, 48.70' S. OF E. OF TRAFFIC SIGNAL MANHOLE IN KELLOGG MEDIAN, 70.50' E. OF BACK OF E. CURB ON E. SIDE OF MEDIAN IN GREENWICH ROAD
 ELEV. = 164.78 CITY DATUM (1352.18 NGVD)

PROPOSED POND (Static = 1343.6)

STAGE	INFLOW	OUTFLOW	ELEVATION
2 yr	127 cfs	106 cfs	1345.4
5 yr	184 cfs	156 cfs	1345.9
100 yr	381 cfs	331 cfs	1347.4

EXISTING POND (Static = 1343.6)

STAGE	INFLOW	OUTFLOW	ELEVATION
2 yr	124 cfs	107 cfs	1345.4
5 yr	180 cfs	159 cfs	1346.0
100 yr	378 cfs	331 cfs	1347.4

PROPOSED POND

ELEVATION	AREA (acres)
1344	0.99
1345	1.12
1346	1.32
1347	1.48
1348	1.61

EXISTING POND

ELEVATION	AREA (acres)
1344	0.77
1345	0.93
1346	1.07
1347	1.39
1348	2.30

EXISTING SITE
 D.A. = 4.8 acres
 CN = 80
 Tc = 0.25 hrs
 Qs = 10 cfs
 Qs = 14 cfs
 Q100 = 31 cfs

DEVELOPED SITE
 D.A. = 4.8 acres
 CN = 93
 Tc = 0.25 hrs
 Qs = 15 cfs
 Qs = 20 cfs
 Q100 = 37 cfs



- EB □ = Electric Box
- GP ○ = Guy Pole
- Guf — = Guy Anchor
- LP ○ = Light Pole
- pp □ = Power Pole
- xmtr □ = Transformer

NOTE: There is no FEMA Floodplain or Floodway located on this property as of September 17, 2006.

NOTE: Storm sewer, flumes, or other approved methods will be utilized to convey storm runoff to the detention facility. Size and location to be determined upon site development.