



NOTES:

1. Excess runoff from the 100-year design storm will be detained and/or retained on site by means of parking lot and raingarden detention, rooftop or underground storage, or porous pavement.
2. Parking lot detention will be limited to 8" depth, except that every parking space where 8" depth may be exceeded shall have a post-mounted warning sign at the front of the stall, clearly noting: "WARNING - STORMWATER PONDING AREA".
3. Excess runoff will be calculated on the basis of the change in impervious area from the existing (partly residential) land use to the proposed land use as indicated on this plan.
4. Final drainage system design, including runoff and detention calculations, is to be submitted to the Engineering Division for approval, prior to or at the time of building and site plan review by OCI.

EXISTING CONDITIONS

IMPERVIOUS AREA = 52%
 CN = 82
 100-YR 24-HR STORM (7.8")
 RUNOFF FROM CN = 5.6"
 VOLUME OF RUNOFF = 1.4 Ac.-Ft.
 D.A. = 3.0 Acres
 $T_c = 15 \text{ Min.}$ $I_{100} = 7.37/\text{hr}$ $C_{100} = .66$
 $Q_{100} = 14.6 \text{ cfs}$

PROPOSED CONDITIONS

IMPERVIOUS AREA = 80%
 CN = 90
 100-YR 24-HR STORM (7.8")
 RUNOFF FROM CN = 5.6"
 VOLUME OF RUNOFF = 1.65 Ac.-Ft.
 D.A. = 3.0 Acres
 $T_c = 15 \text{ Min.}$ $I_{100} = 7.37/\text{hr}$ $C_{100} = .83$
 $Q_{100} = 18.4 \text{ cfs}$

VOLUME TO BE STORED IF RETAINED = 0.25 Ac.-Ft.
 PEAK DISCHARGE TO BE LIMITED TO = 14.6 cfs



BENCHMARK:

On Site B.M.: "a" Cut Top of curb, S. curb return at N.E. Corner of Central & Spruce
 Elev. = 114.55 (City of Wichita Datum)
 Elev. = 1301.95 (M.S.L.)

SCALE: 1"=40'

REVISED: 1/23/07

HUNTER HEALTH CLINIC 2ND ADDITION DRAINAGE PLAN WICHITA, KANSAS			
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DRAWING FILE Drainage Plan	PROJECT NUMBER	DATE Jan. 22, 2007	DESIGN TCR DRAWN EJB REVIEW UTILITY SHEET 1 OF 1