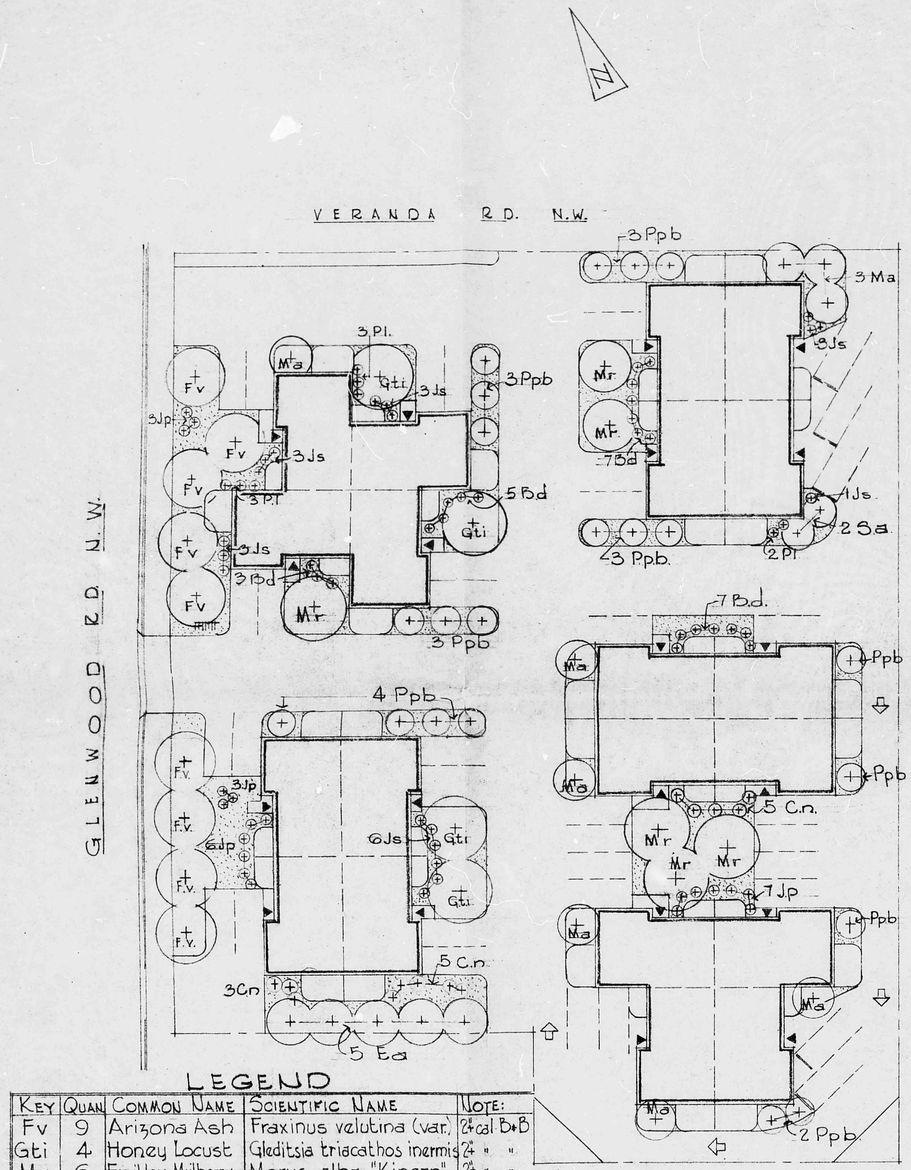
HYDROLOGY

G12/D14

ONE PLAN

NO DOCUMENTS

G12/014 (1)



LANDSCAPING REQUIRED
(7% OF PAVED DRIVE & PARKING AREAS)
25653 x .07 = 1795.71 SQ. FT.
AREA PROVIDED: 13,081 SQ. FT

LEGEND

KEY	QUAN	COMMON NAME	SCIENTIFIC NAME	NOTE:
Fv	9	Arizona Ash	Fraxinus velutina (var.)	2" cal B+B
Gti	4	Honey Locust	Gleditsia triacathos inermis	2" " "
Mr	6	Fruitless Mulberry	Morus alba "Kingan"	2" " "
Ea	5	Russian Olive	Elaeganus angustifolia	1½" " "
Ma	9	Fl. Crabapple	Malus "Almey"	1½" " "
Ppb	21	Purplv. Plum	Prunus pissardi bleriana	1½" " "
Sa	2	Mountain Ash	Sorbus americana	1½" " "
Pl	8	Firethorn	Pyracantha coc. lalandi	5 gal.
Cn	13	Chamisa	Chrysothamnus nauseosus	5 "
Bd	22	Barberry	Berberis Darwini	5 "
Jp	19	Pfitzer Juniper	Juniperus pfitzeriana	5 "
Js	19	Savin Juniper	Juniperus sabina (var.)	5 "

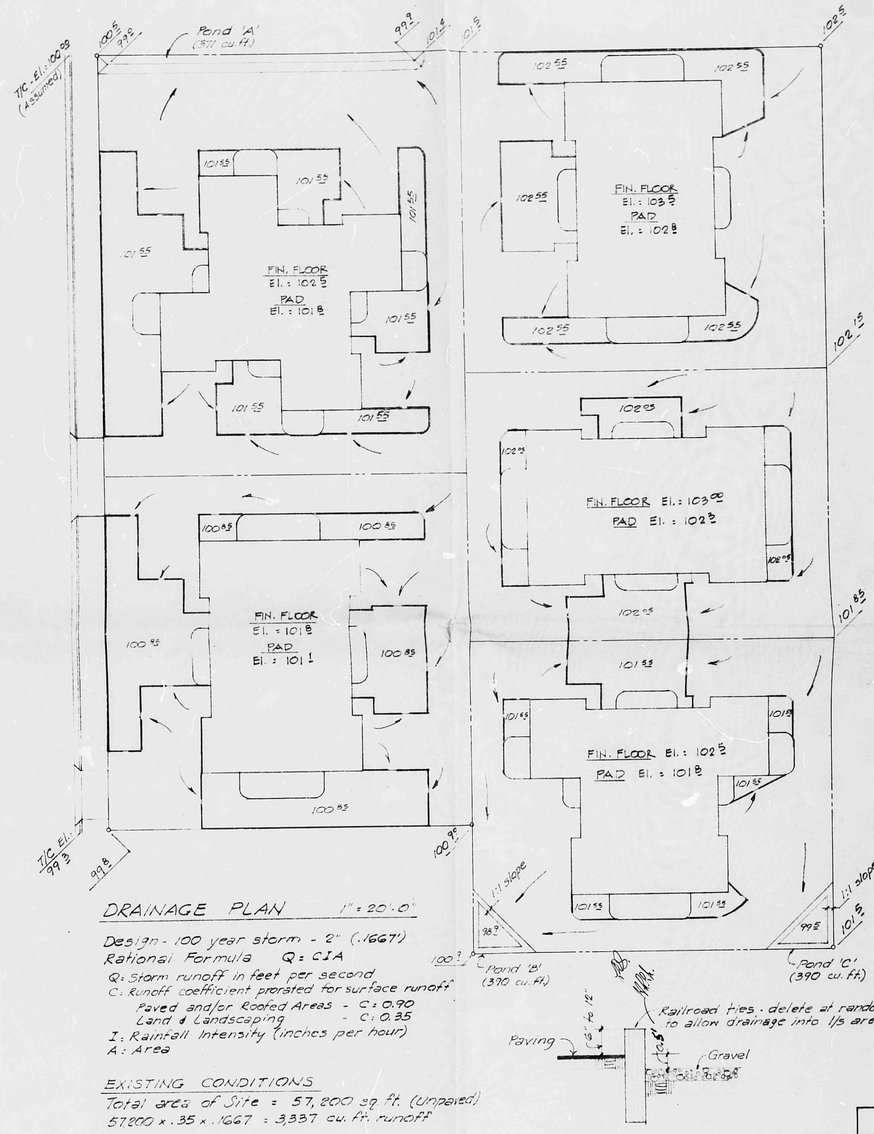
NOTE: "B & B" MAY BE CONTAINER GROWN - MUST NOT BE ROOT BOUND.

LANDSCAPE PLANTING PLAN
FOUR-PLEX APARTMENT COMPLEX
H. L. CLEFF CONS. CO, LTD

6-13-77

V. J. WESTLEY ASLA
LANDSCAPE ARCHITECT

NOTE:
GROUND COVER TO BE 1½ MINUS TO 1" RIVER GRAVEL. ALTERNATE INSIDE (OFF MAIN STREET) AREAS MAY HAVE 2" FIR BARK. ALL DRAINAGE SLOPE TO TREE WELLS. ALL TREES TO BE STAKED AND/OR GUYED. IRRIGATION BY CONTROL VALVES AND BUBBLERS ON RISERS ABOVE POLYETHELENE (TYPE) PIPE.



DRAINAGE PLAN 1" = 20'-0"

Design - 100 year storm - 2" (.1667)
Rational Formula Q = CIA
Q: Storm runoff in feet per second
C: Runoff coefficient prorated for surface runoff
Paved and/or Roofed Areas - C: 0.90
Land & Landscaping - C: 0.35
I: Rainfall Intensity (inches per hour)
A: Area

EXISTING CONDITIONS
Total area of Site = 57,200 sq. ft. (unpaved)
57200 x .35 x .1667 = 3337 cu. ft. runoff

PROPOSED CONDITIONS
Total Area Buildings, paving & walks = 43,224 sq. ft.
43,224 x .90 x .1667 = 6484.89 cu. ft. runoff
Total Area Landscaping & Ponds = 13,976 sq.ft.
13,976 x .35 x .1667 = 815.43 cu. ft. runoff
6,484.89 + 815.43 = 7300.32
7300.42 - 3337 = 3963.32 cu. ft. runoff

Ponding Areas A, B & C: 895 sq. ft. & 1151 cu. ft.
Landscaped Areas = 13,081 sq. ft.
13,081 x 0.25' = 3,270.25 cu. ft.
1151 + 3,270.25 = 4421.25 cu. ft.

4,421.25 > 3963.32 OK

CURB & LANDSCAPED AREAS - TYP.
No Scale

PROFESSIONAL ENGINEER
REGISTERED
JUN 1977

LANDSCAPE PLAN
DRAINAGE PLAN

DRAWN: K+J | DATE - 6.15.77
REVISIONS

SHEET 16 of 16