






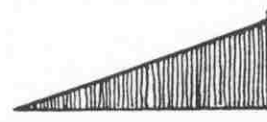
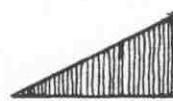


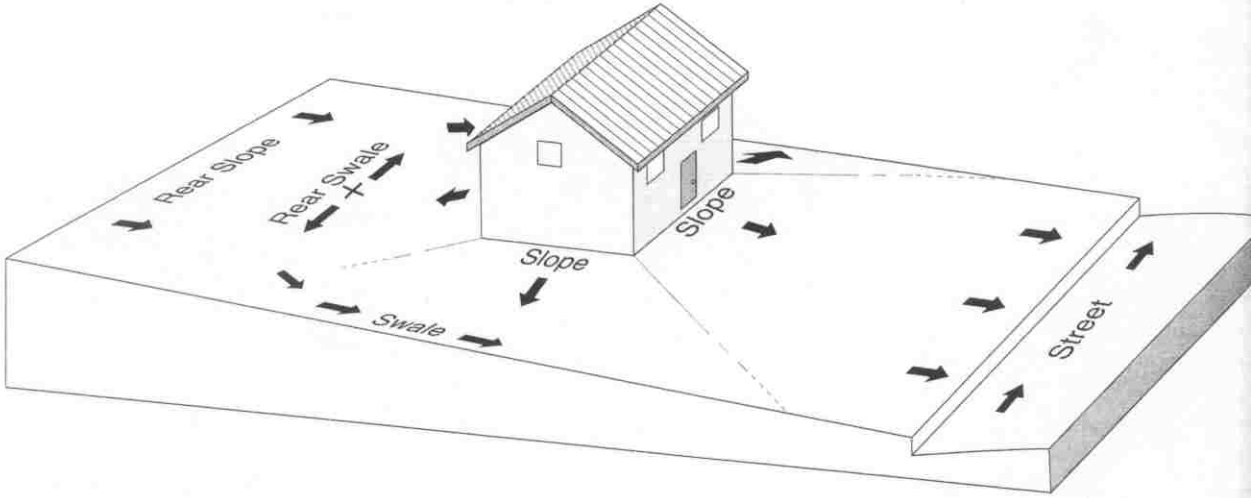
AREA	FUNCTION	SLOPE IN PERCENT	
		MAX.	MIN.
Streets & Drives		5%	1% ^a
		8%	.05% ^b
Ramps		10%	1% ^a
		15%	NA ^b
Walkways Approaches and Entrances		4%	1% ^b
		5%	0.5% ^a
Service Areas and Collector Walks		8%	0.5% ^a
		10%	0.5% ^b
Terrace and Sitting Areas		2%	1%
		2%	0.5% ^b
Lawn Area and Playgrounds		3%	2% ^a
		4%	0.5% ^b
Swales		10%	1% ^a
Grassed Banks		33% [3:1] ^a	NA
		25% [4:1] ^b	NA
Planted Banks (unmowed vines or ground cover)		50% ^a	NA
		2:1 ^b	NA

^a Richard Untermaun, *Grade Easy* (Washington, D. C.: Landscape Architecture Foundation, 1973), p. 73.

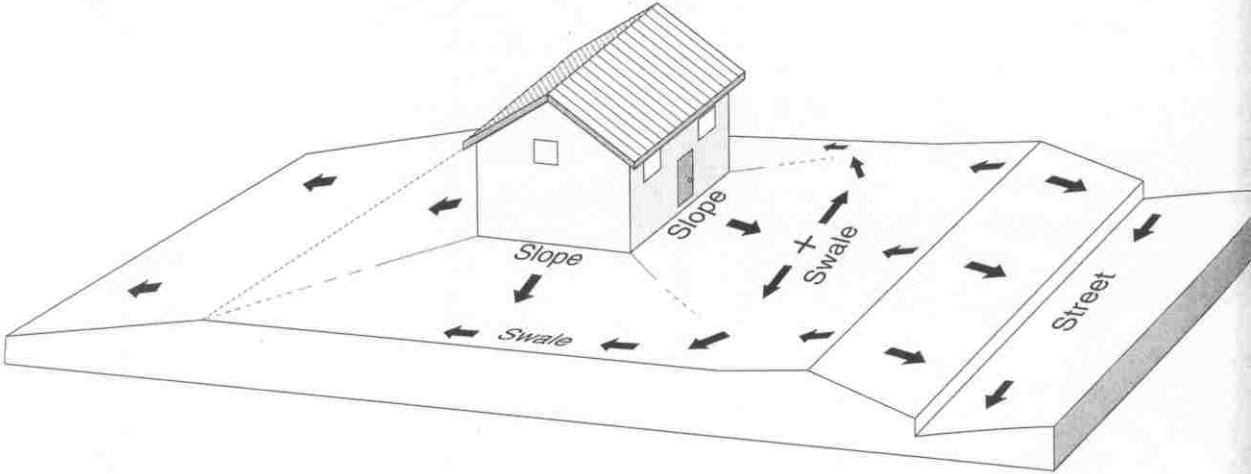
^b Public Housing Design, National Housing Agency (Washington, D. C.: Federal Public Housing Agency, 1946).

Figure 9-16 Slope criteria.

a) Lot Grading: Drainage Directed Toward Front of Dwelling



b) Lot Grading: Drainage Directed Toward Rear of Dwelling



c) Lot Grading: Drainage Directed Toward Front and Rear of Dwelling

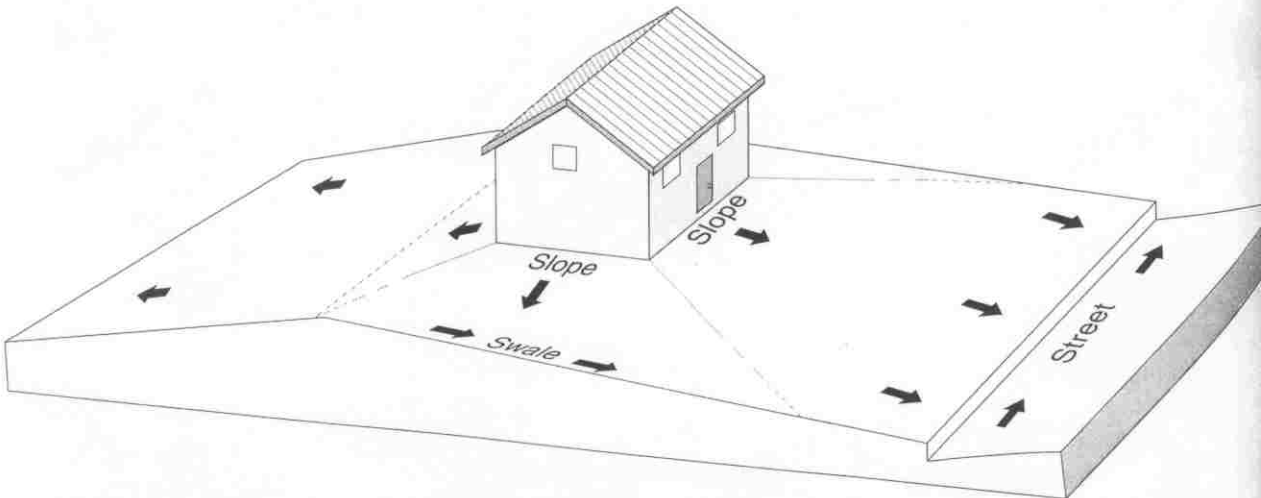
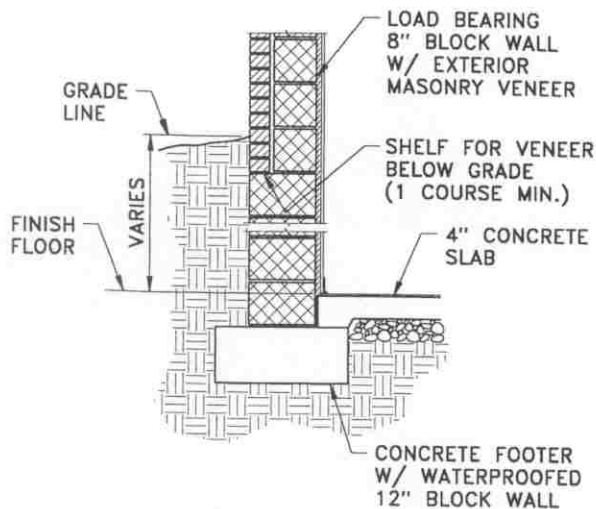
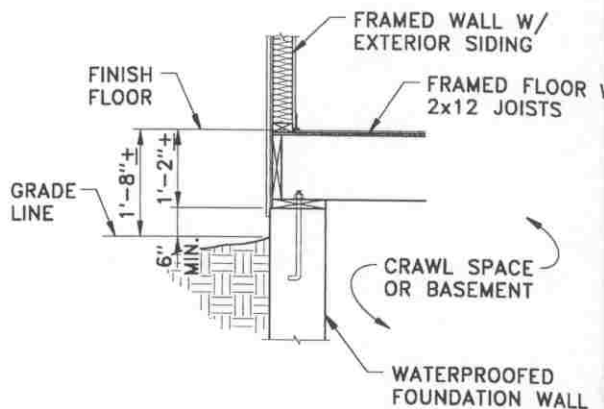


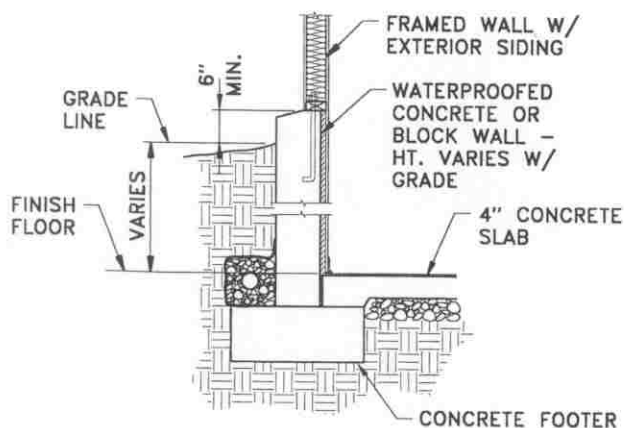
FIGURE 10.17 Three basic grading schemes.



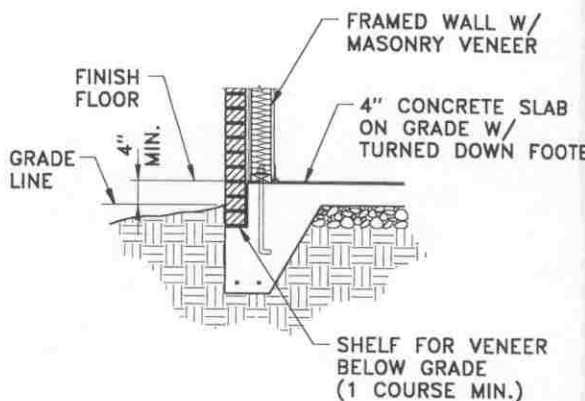
Typical Masonry Veneer-type Exterior Wall



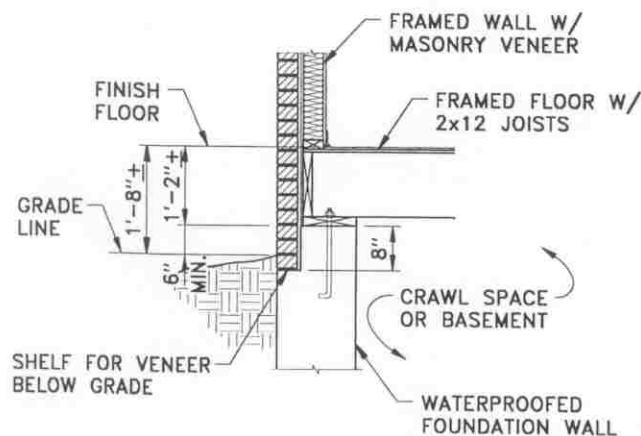
Typical Wood-Framed and -Sided Wall with Crawl Space or Basement



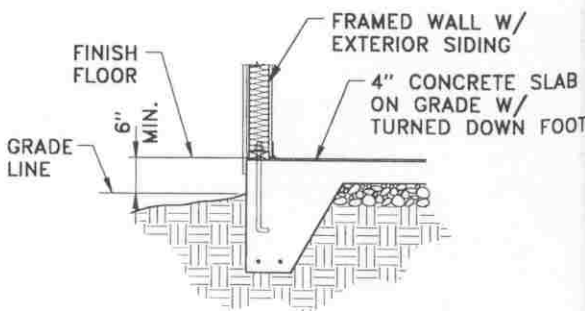
Typical Wood-Framed Wall With Exterior Siding Set Into a Slope



Typical Slab Construction With Masonry Exterior Wall



Typical Veneered Wall With Crawl Space or Basement



Typical Slab Construction With Frame Wall and Siding

Grading Strategy

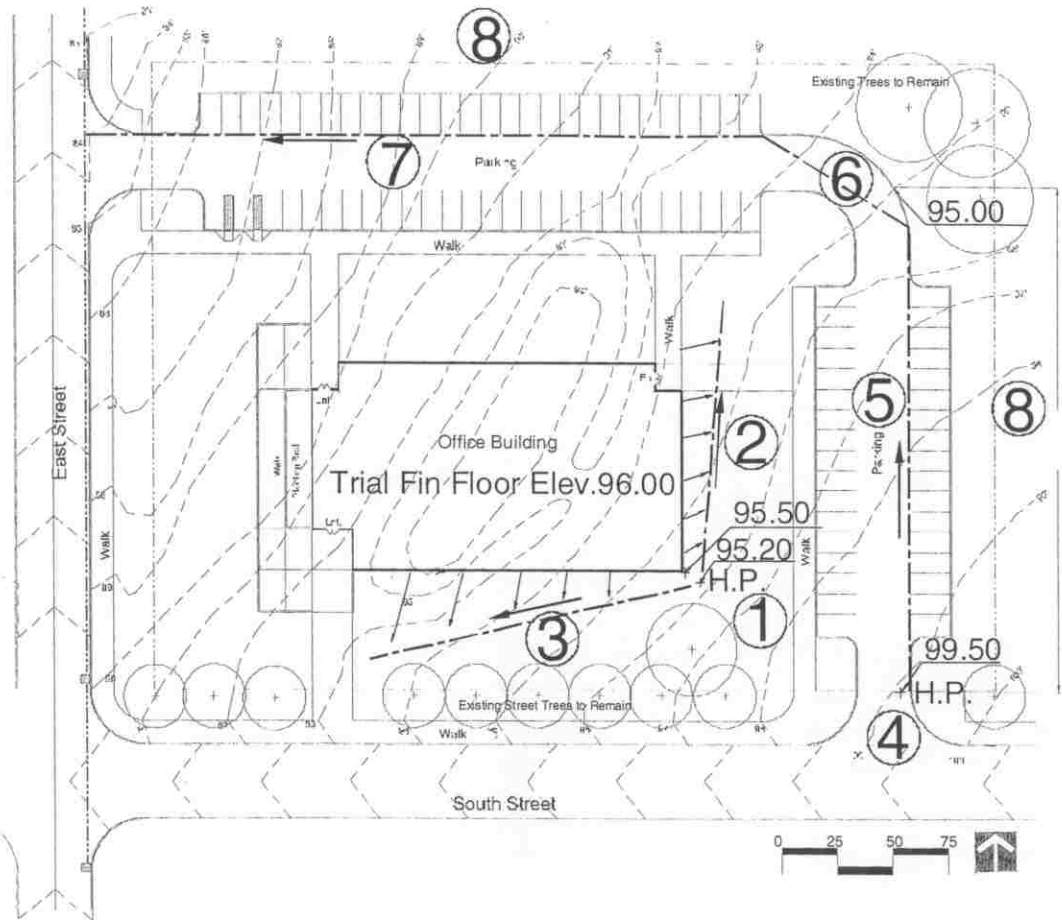


FIGURE 3-41 Strategy for Approaching the Grading of the Site

- 1) Establish a high point on the site that coincides with the existing high elevation on the site.
- 2 & 3) Swale runoff around the high sides of the proposed building.
- 4) Retain the high point in the street to prohibit runoff from leaving the public right-of-way.
- 5, 6 & 7) Route water through the parking lots to the site low point.
- 8) Maintain grades at property lines and grade back onto site .