

#### Construction

Silt Fence should be placed on the contour. On slopes with grades greater than 7%, the silt fence should be located at least 5 to 7 feet beyond base. Turn the ends of the silt fence upslope so that a certain depth storm water may be retained in front of the silt fence. The impounded depth should be at least 12 inches, but no more than the height of the silt fence. Hay or straw bales should be staked in place at the end of the row of silt fence as an emergency overflow. This will allow detained water, exceeding the capacity of the silt fence, to be filtered and released equidly.

The silt fence should be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are unavoidable, filter cloth should be spliced together only at a supporting post, with a minimum 6 inch overlap and securely sealed.

Post installation should start at the center of the low point (if applicable) with remaining posts spaced 8 feet apart for Type A and B silt fences and 4 feet apart for Type C silt fence. While Type A and B silt fences can be used with both wood and steel posts, only steel posts should be used with Type C silt fence due to the flow capacity of the fabric.

#### Inspection

Inspect silt fence before anticipated storm events (or series of storm events such as intermittent showers over one or more days) and within 24 hours after the end of a storm event of 0.5 inches or greater, and at least once every fourteen calendar days. Where sites have been finally or temporarily stabilized, such inspections may be conducted only once per month.

#### Maintenance

Sediment should be removed once it has accumulated to one-half the original height of the barrier. Filter fabric should be replaced whenever it has deteriorated to such an extent that the effectiveness of the fabric is reduced (approximately six months). Silt fence should remain in place until disturbed areas have been permanently stabilized. All sediment accumulated at the fence should be removed and properly disposed of before fence is removed.

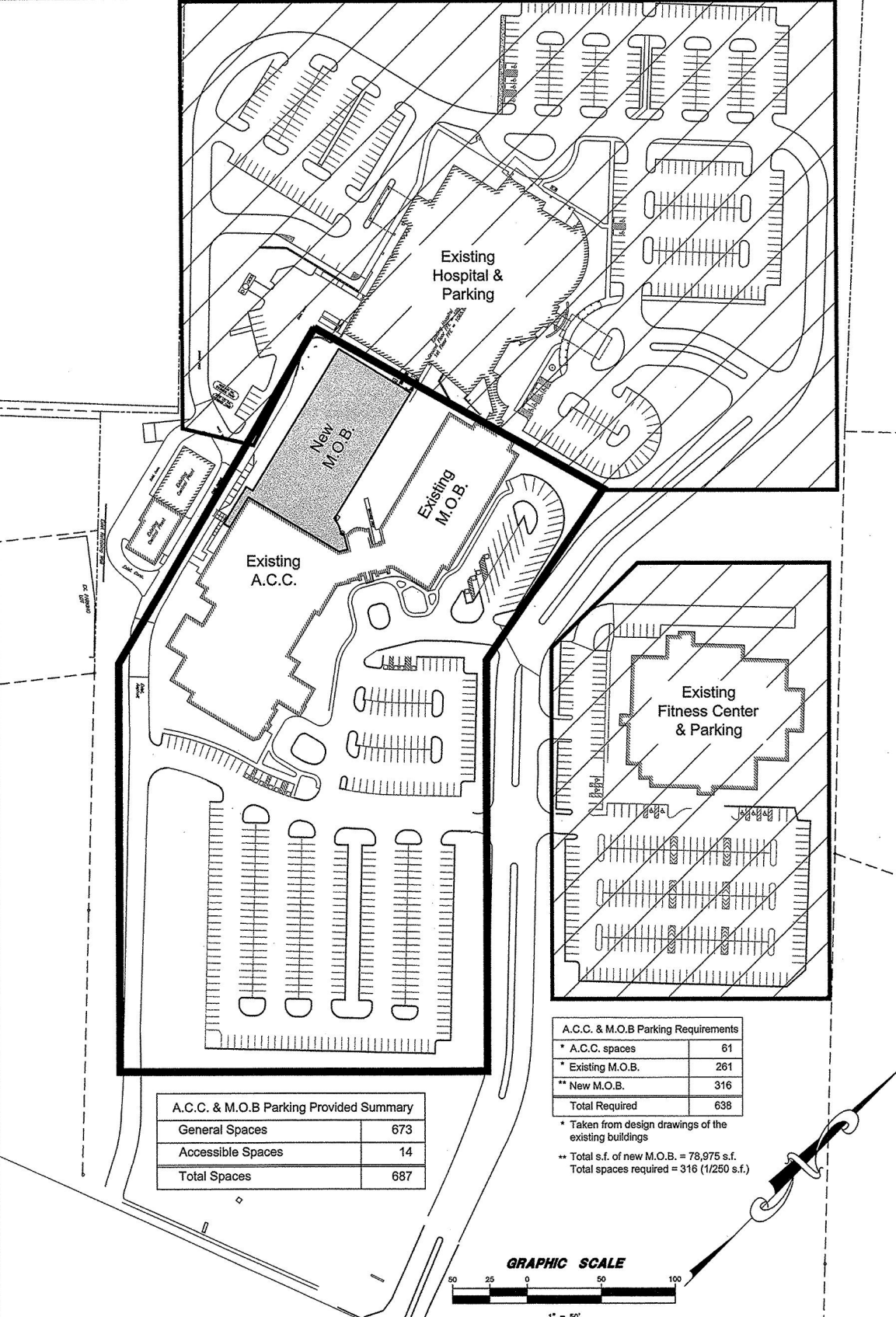
Silt Fence Specifications			
Type Fence	A	B	C
Tensile Strength (Lbs. Min.) (1)	Warp - 120 Fill - 100	Warp - 120 Fill - 100	Warp - 260 Fill - 180
Elongation (% Max.)	40	40	40
AOS (Apparent Opening Size)	#30	#30	#30
Flow Rate (Gal/Min/Sq. Ft.)	25	25	70
Ultraviolet Stability (2)	80	80	80
Bursting Strength (PSI Min.)	175	175	175
Bursting Strength (Diagram)			
Minimum Fabric Width (inches)	36	22	36

(1) Minimum roll average of five specimens.  
(2) Percent of required initial minimum tensile strength.

Post Size & Fastener Requirements			
Post Size			
Type	Minimum Length	Type of Post	Size of Post
Type A	4'	Soft Wood Oak Steel	3" dia. or 2x4 1.5"x1.5" 1.3 blt. min.
Type B	3'	Soft Wood Oak Steel	2" dia. or 2x2 1"x1" 0.75 blt. min.
Type C	4'	Steel	1.3 blt. min.
Post Size			
Wire Staples	Gauge	Crown	Legs
	17 Min.	3/4" wide	1/2" long
	14 Min.	1"	3/4"

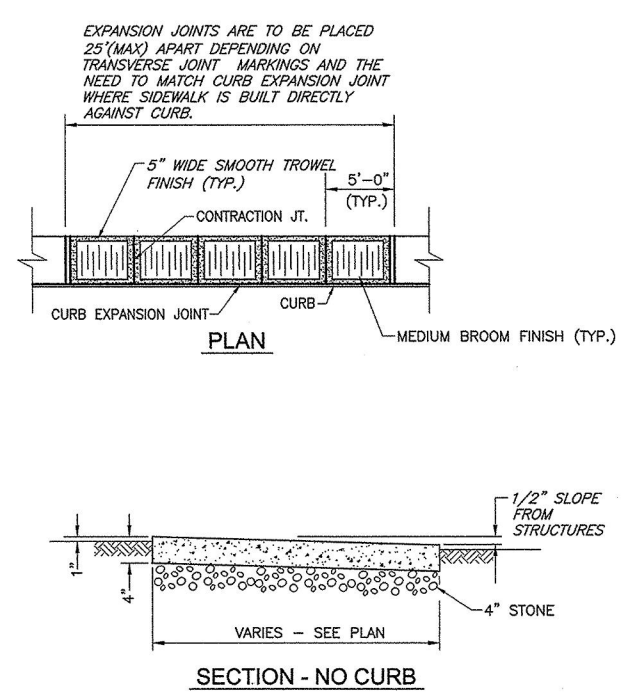
Note: Filter fabric may also be attached to the post by wire, cord, and pockets.

### 1 Silt Fence

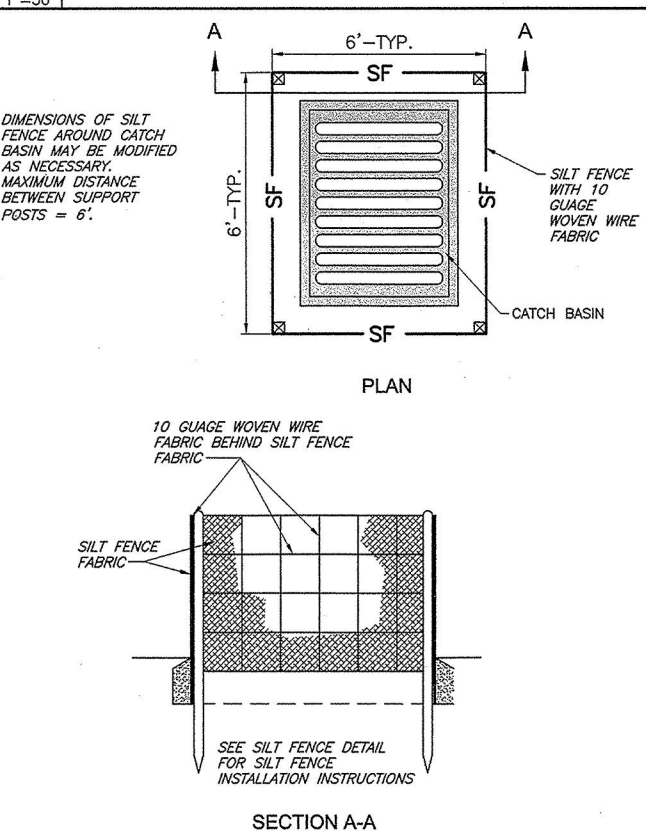


A.C.C. & M.O.B. Parking Provided Summary	
General Spaces	673
Accessible Spaces	14
Total Spaces	687

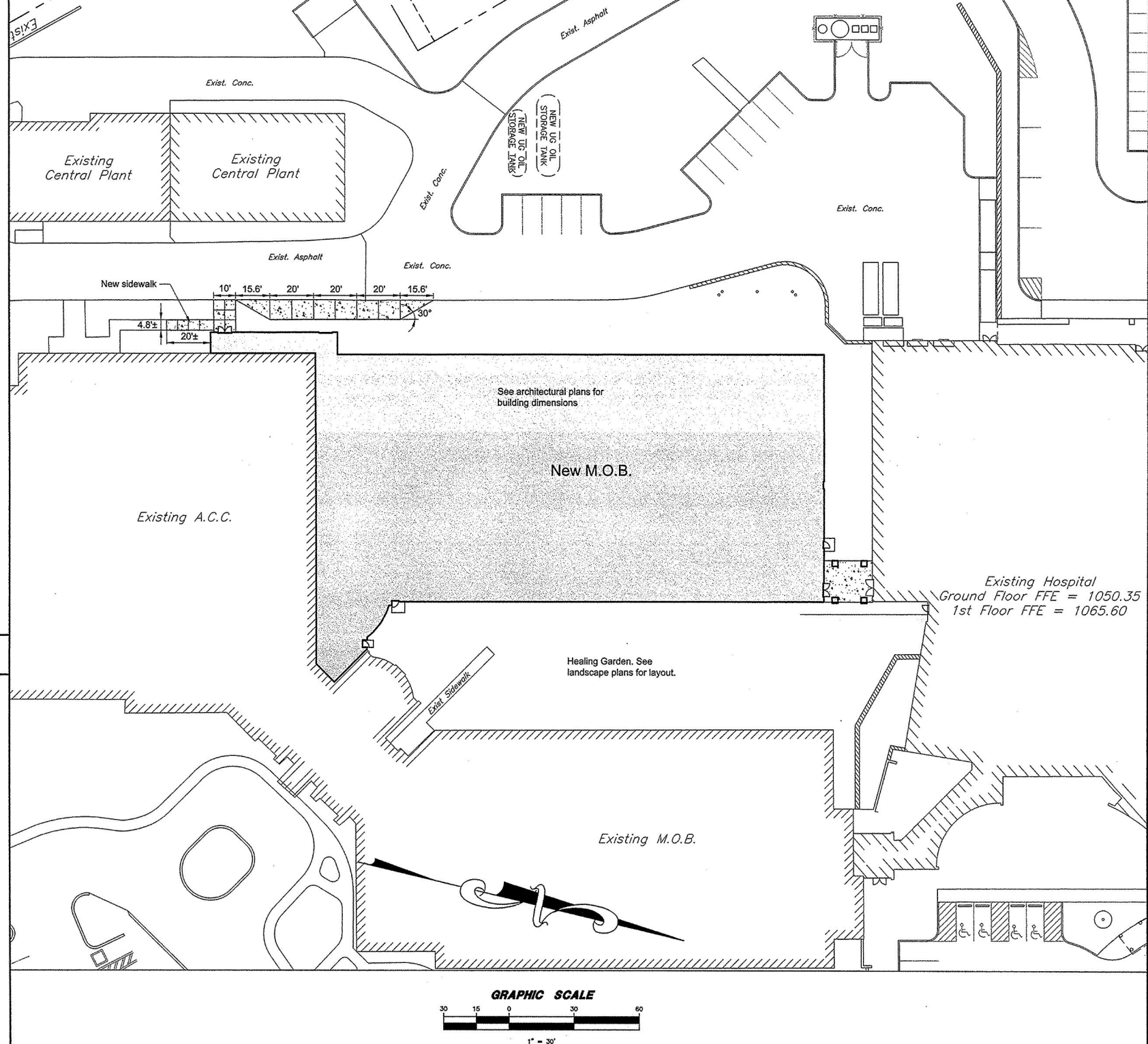
A.C.C. & M.O.B. Parking Requirements	
* A.C.C. spaces	61
* Existing M.O.B.	261
** New M.O.B.	316
Total Required	638
* Taken from design drawings of the existing buildings	
** Total s.f. of new M.O.B. = 78,975 s.f.	
Total spaces required = 316 (1/250 s.f.)	



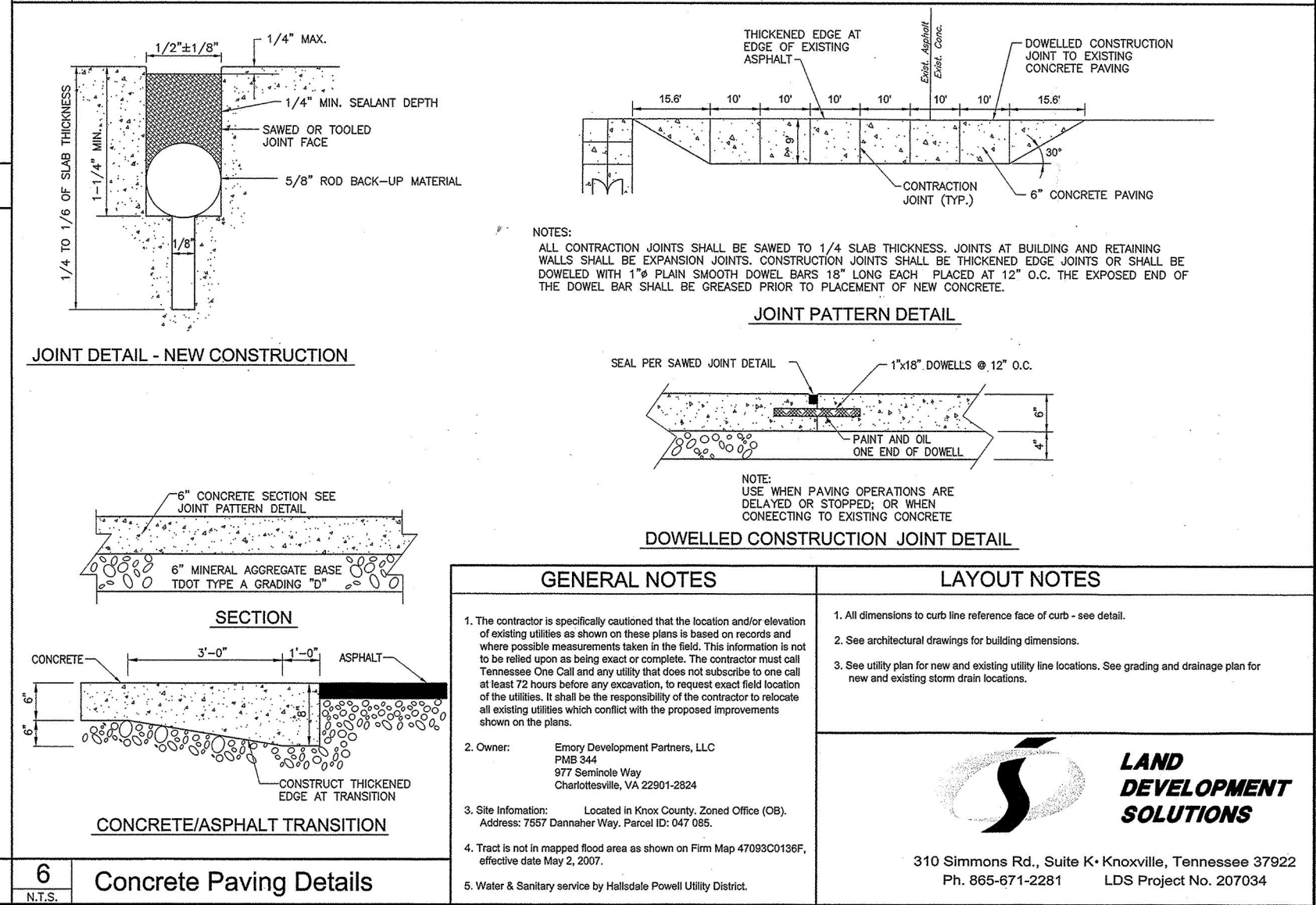
### 4 Sidewalk Detail



### 5 Inlet Protection



### 2 Site Layout Plan



### 6 Concrete Paving Details

St. Mary's North MOB  
Knoxville Equity Partners, L.L.C.

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Project Number  
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05/18/07  
C101

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