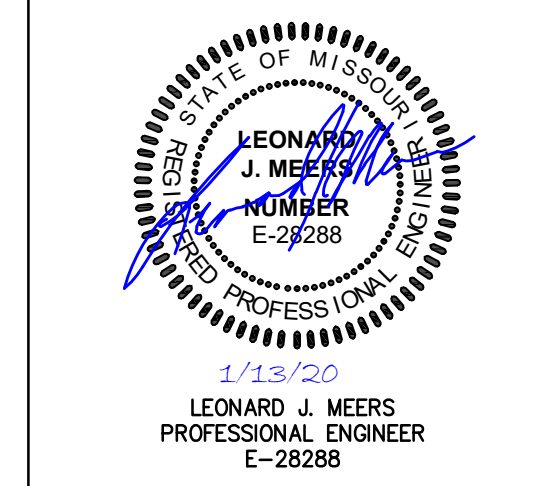


NO.	DESCRIPTION	DATE
1	REV 1	7-24-2019
2	REV 2	8-23-2019
3	REV 4	10-25-2019
4	REV 5	11-26-2019

**PROJECT TITLE**  
**THE JEWEL**  
**15 CASTLE LANE**  
**O'FALLON, MO 63366**

**GRIMES CONSULTING, INC.**  
 Civil Engineering & Surveying Services  
 12300 OLD TESSON ROAD  
 ST. LOUIS, MO 63128  
 PH. (314) 849-6100  
 FAX (314) 849-6010  
 www.grimesconsulting.com

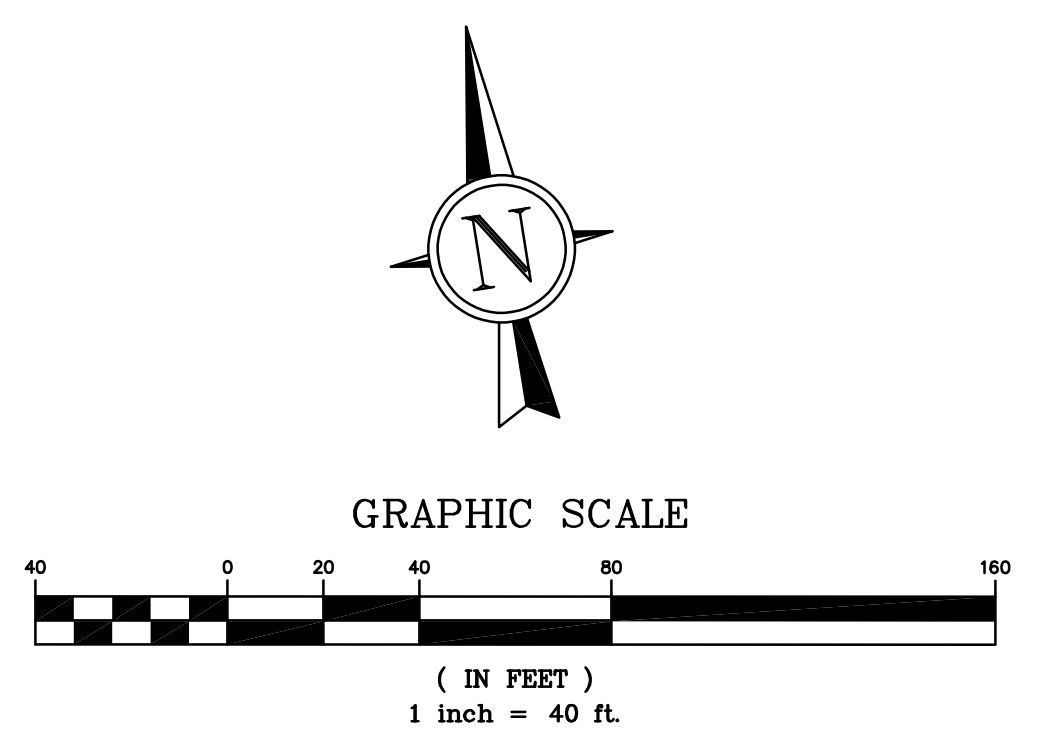
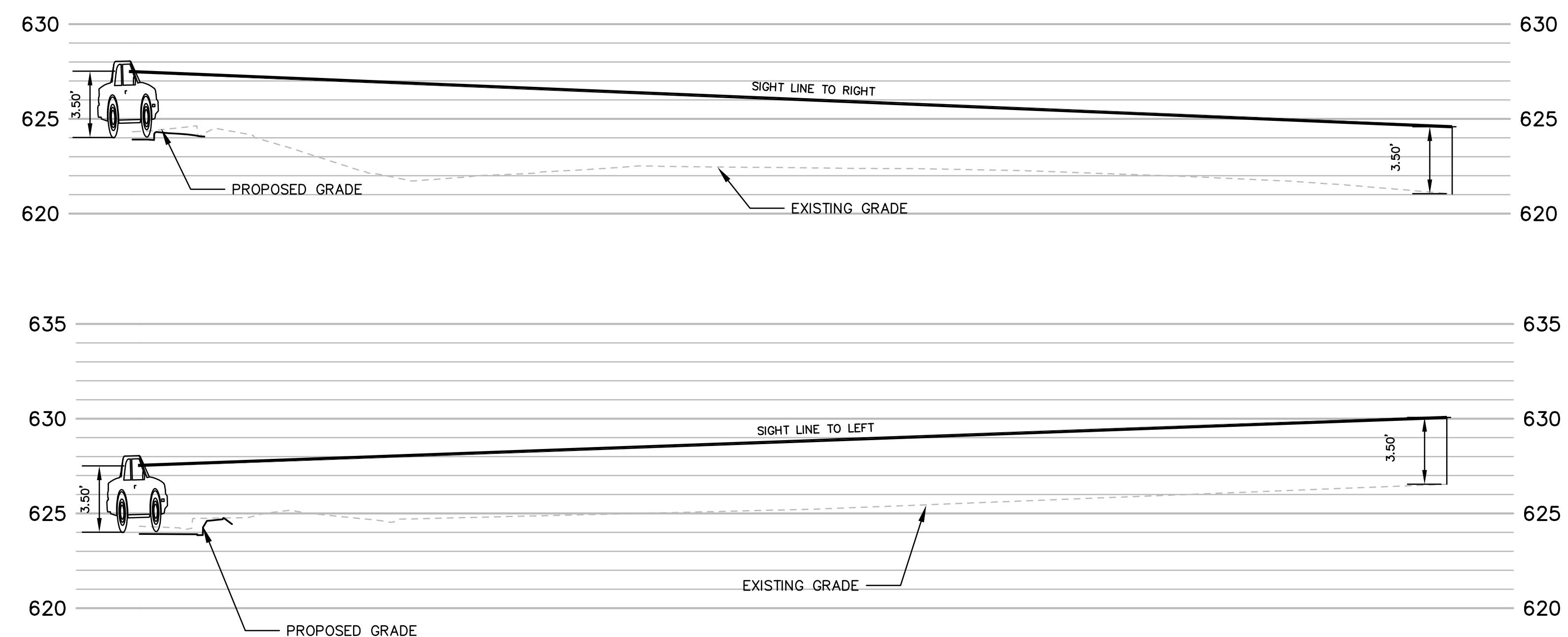
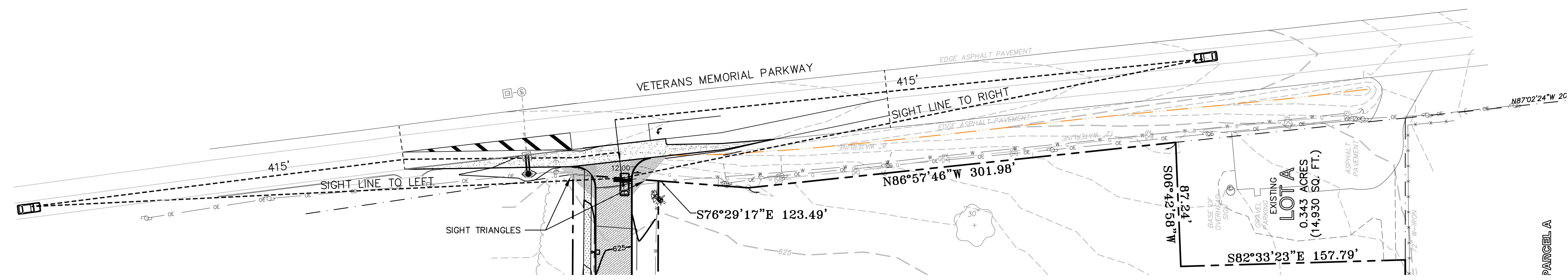


**Developer / Owner Information**  
**VITA Residential**  
 CONTACT: Steve Sisson  
 3333 Aspen Grove Dr  
 Franklin, TN 37067  
 Email: steve@vitapmg.com

P+Z No. 19-001400  
 Approval Date: 6/6/2019

City No.

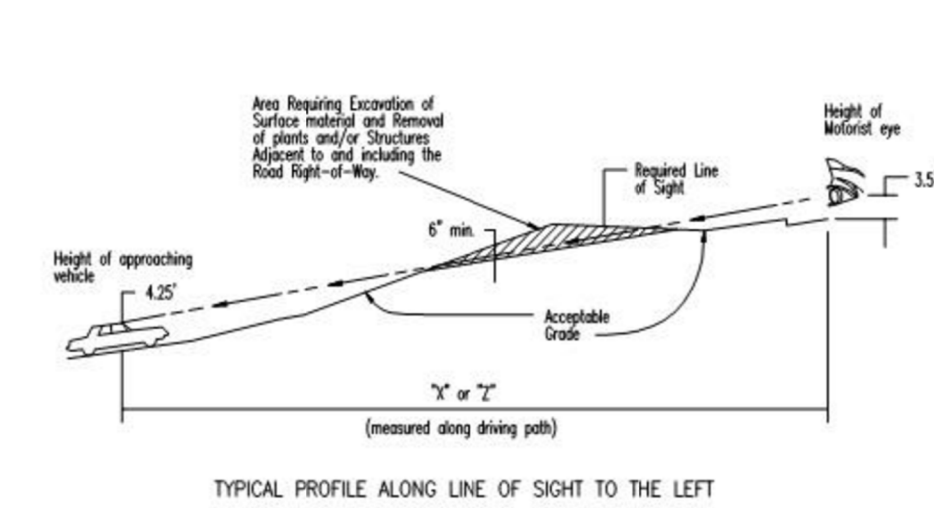
Page No.  
**C8.10**



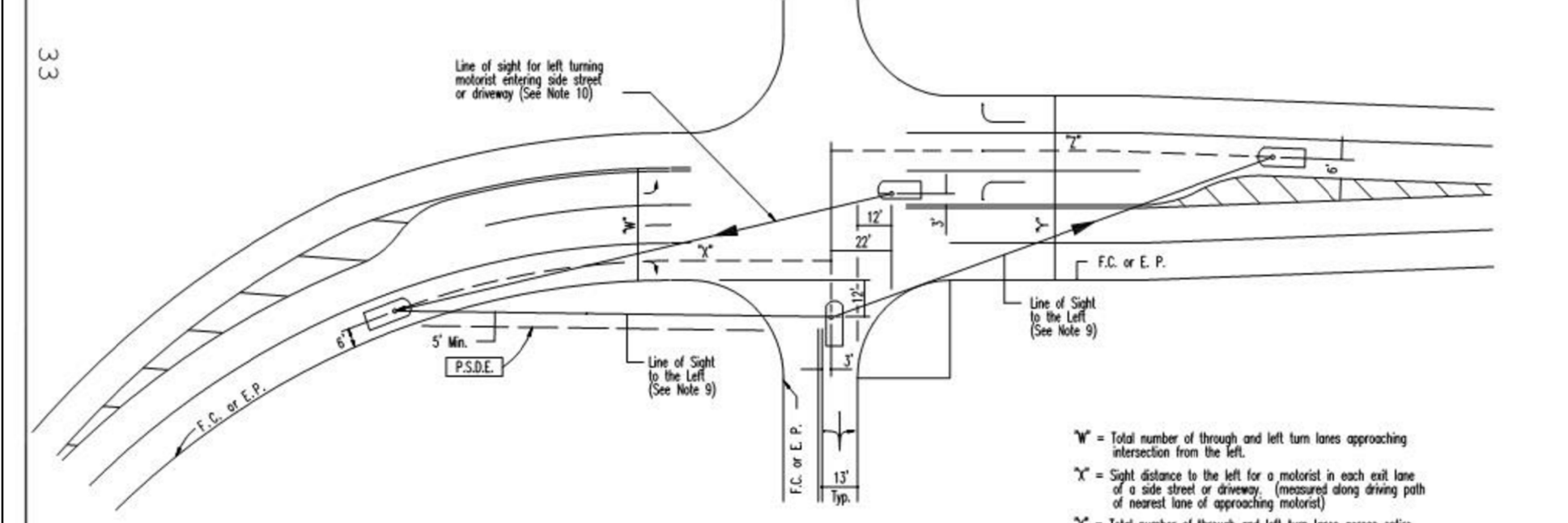
POSTED SPEED ON  
 VETERANS MEMORIAL  
 PKWY.



Design Speed of the Roadway (M.P.H.)	Sight Distance to the Left (Y')					Sight Distance to the Right (Z')				
	Y' = 1 Lane	Y' = 2 Lanes	Y' = 3 Lanes	Y' = 4 Lanes	Y' = 5 Lanes	Z' = 1 Lane	Z' = 2 Lanes	Z' = 3 Lanes	Z' = 4 Lanes	Z' = 5 Lanes
15	150'	155'	165'	155'	185'	180'	190'			
20	200'	210'	225'	210'	225'	235'	250'			
25	250'	260'	280'	260'	280'	295'	315'			
30	300'	310'	335'	310'	335'	355'	375'			
35	350'	360'	390'	360'	390'	415'	440'			
40	400'	415'	445'	415'	445'	470'	500'			
45	450'	465'	500'	465'	500'	530'	565'			
50	500'	515'	555'	515'	555'	580'	625'			
55	550'	570'	610'	570'	610'	650'	690'			
60	600'	620'	665'	620'	665'	710'	750'			
65	650'	670'	720'	670'	720'	765'	815'			
70	700'	720'	775'	720'	775'	825'	875'			

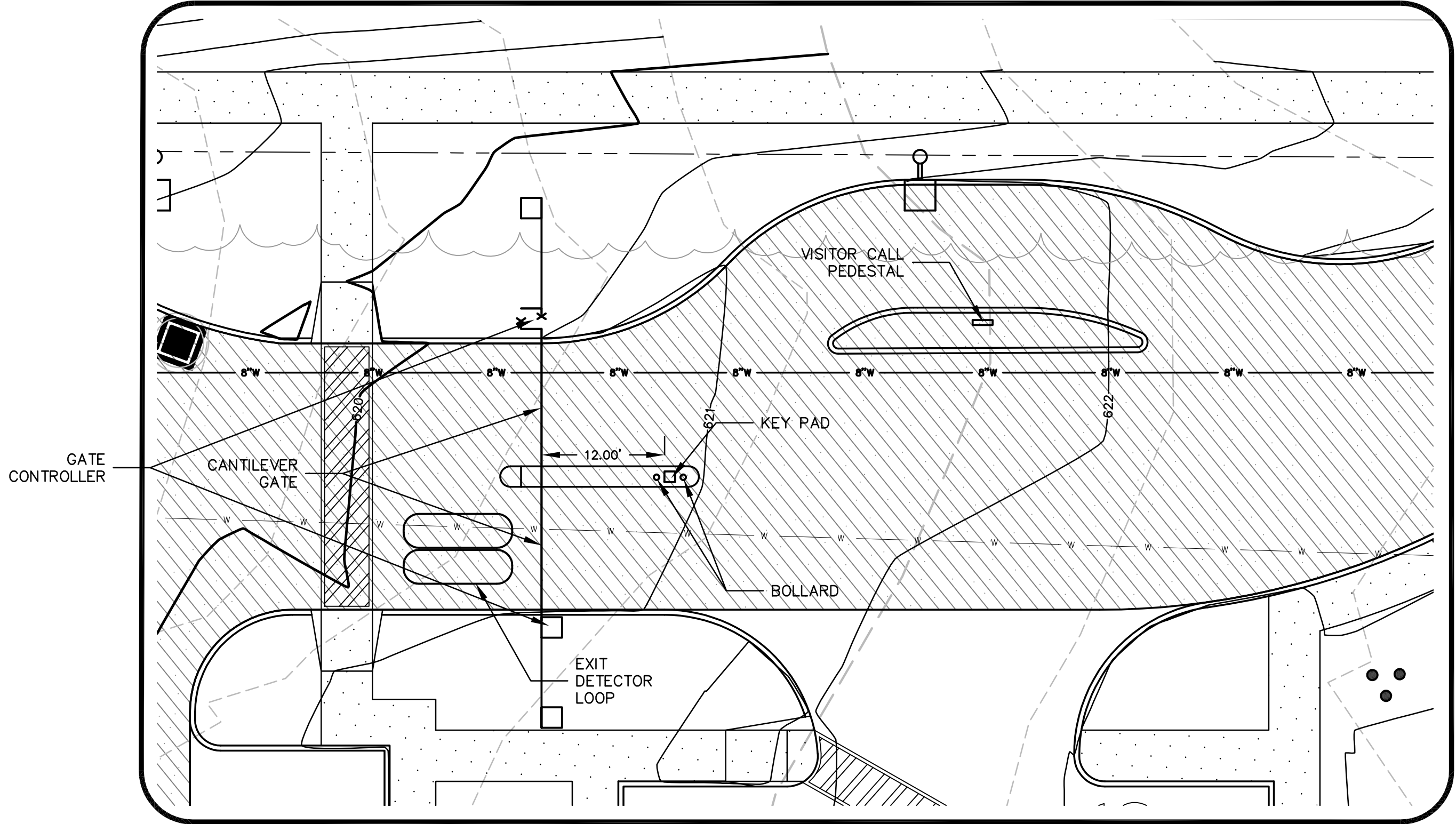


- GENERAL NOTES**
- Do not scale drawing. Follow dimensions.
  - Sight distance design criteria shall be based upon the number of lanes of the ultimate roadway.
  - On existing roadways the design speed shall be the 85th percentile speed of motorists on the roadway as established by motor studies, or 5 m.p.h. greater than the posted speed limit, whichever is greater.
  - On new roadways the design speed shall be 5 m.p.h. greater than the anticipated posted speed limit.
  - For residential and non-residential roadways, other existing or new, with a pavement width of 32' or less, the design speed shall be the anticipated posted speed limit.
  - If "Y" is greater than 3 lanes or "Z" is greater than 3 lanes sight distance data shall be increased by extrapolating from values on the chart.
  - If "Y" or "Z" include a median, sight distance data shall be increased by interpolating between values shown on the chart.
  - Height of motorist eye in stopped vehicle = 3.50'. Height of approaching vehicle = 4.25'.
  - Sight distance requirements shall be satisfied looking left and right for a motorist in each exit lane of a side street or driveway.
  - Sight distance requirement for left turning motorist on the through roadway attempting to enter a side street or driveway shall be the same as that required for "Y" in the nearest exit lane plus an additional 22 feet of sight distance.



Y' = Total number of through and left lanes approaching intersection from the left.  
 Z' = Sight distance to the left for a motorist in each exit lane of a side street or driveway. (measured along driving path of nearest lane of approaching motorist).  
 Y'' = Total number of through and left lanes across entire pavement leading to the right.  
 Z'' = Sight distances to the right for a motorist in each exit lane of a side street or driveway. (measured along driving path of nearest lane approaching motorist).  
 [Symbol] = Permanent Sight Distance Comment, if required, must extend a minimum of 5 feet beyond the line of sight.

SAINT CHARLES COUNTY  
 HIGHWAY DEPARTMENT  
 ST. CHARLES, MISSOURI  
**SIGHT-DISTANCE  
 AT INTERSECTIONS**  
 DATE: JUNE, 2008



**VEHICLE GATE DETAIL**  
 1 INCH = 10 FEET