

ESTATES AT CATHEDRAL PINES

STOPPING SIGHT DISTANCE

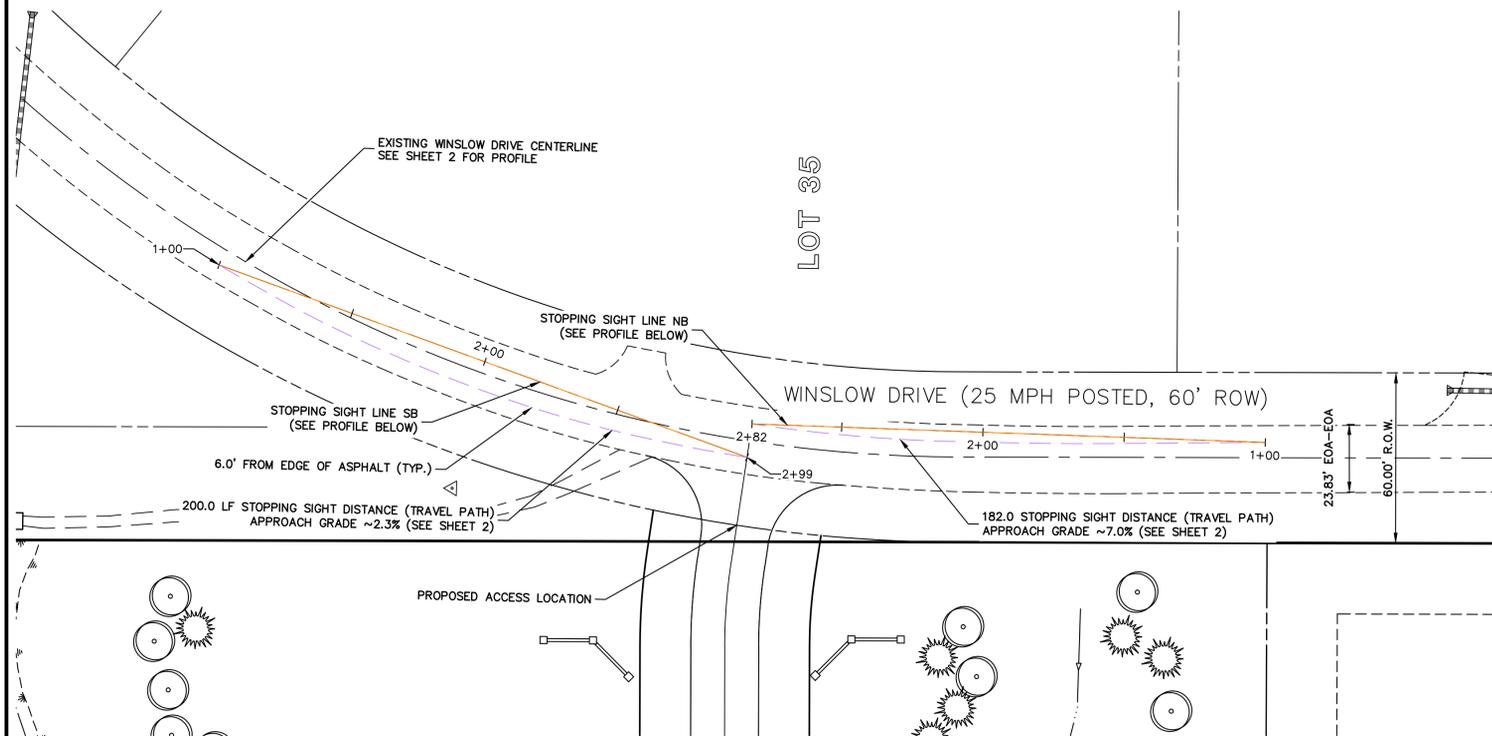


Table 2-17. Stopping Sight Distances

Design Speed (MPH)	Brake Reaction Distance (feet) ¹	Braking Distance on Level (feet)	Stopping Sight Distance	
			Calculated (feet)	Design (feet)
25	91.9	60.0	151.9	155
30	110.3	86.4	196.7	200
40	147.0	153.6	300.6	305
50	183.8	240.0	423.8	425
60	220.5	345.5	566.0	570
70	257.3	470.3	727.6	730

¹ Brake reaction distance predicted on a time of 2.5 seconds; deceleration rate of 11.2 feet/second used to determine calculated sight distance.

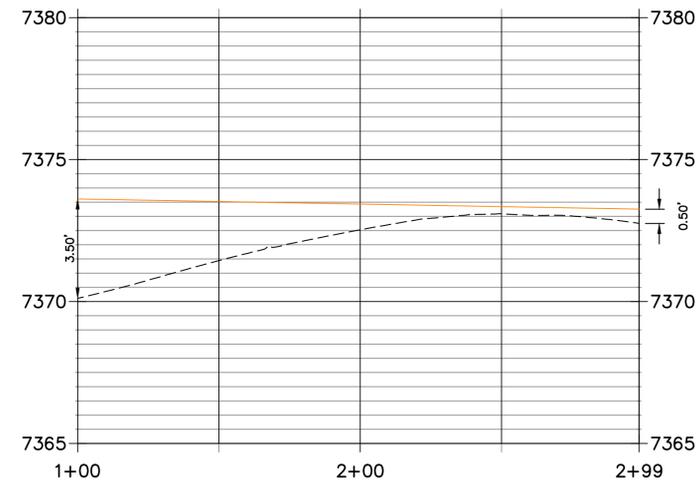
Table 2-18. Stopping Distance at Grade

Design Speed (MPH)	Downgrades			Design Speed (MPH)	Upgrades		
	Stopping Distance (feet)				Stopping Distance (feet)		
	3%	6%	9%		3%	6%	9%
25	158	165	173	25	147	143	140
30	205	215	227	30	200	184	179
40	315	333	354	40	289	278	269
50	446	474	507	50	405	388	375
60	598	638	686	60	538	515	495
70	771	825	891	70	690	658	631

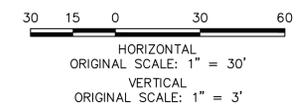
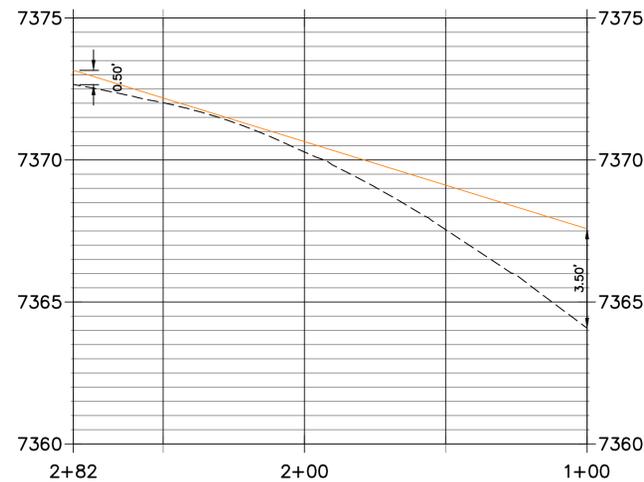
NOTES

- POSTED SPEED ON WINSLOW DRIVE IS 25 MPH. A DESIGN SPEED OF 30 MPH WAS USED IN SIGHT DISTANCE ANALYSIS.

STOPPING SIGHT SB PROFILE STA 1+00.00 TO 2+98.67



STOPPING SIGHT NB PROFILE STA 1+00.00 TO 2+81.77



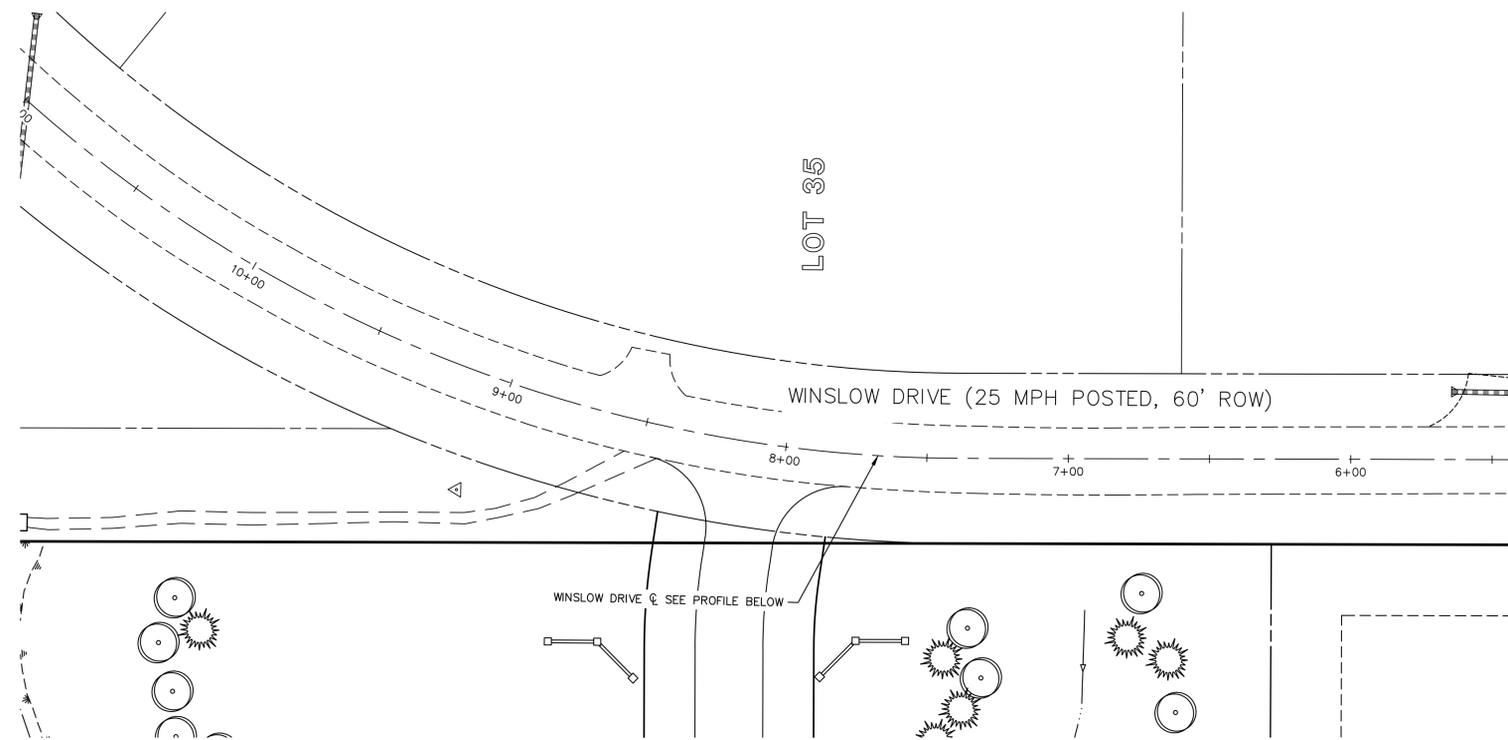
STOPPING SIGHT DISTANCE
ESTATES AT CATHEDRAL PINES
JOB NO. 25260.00
8/22/2023
SHEET 1 OF 3



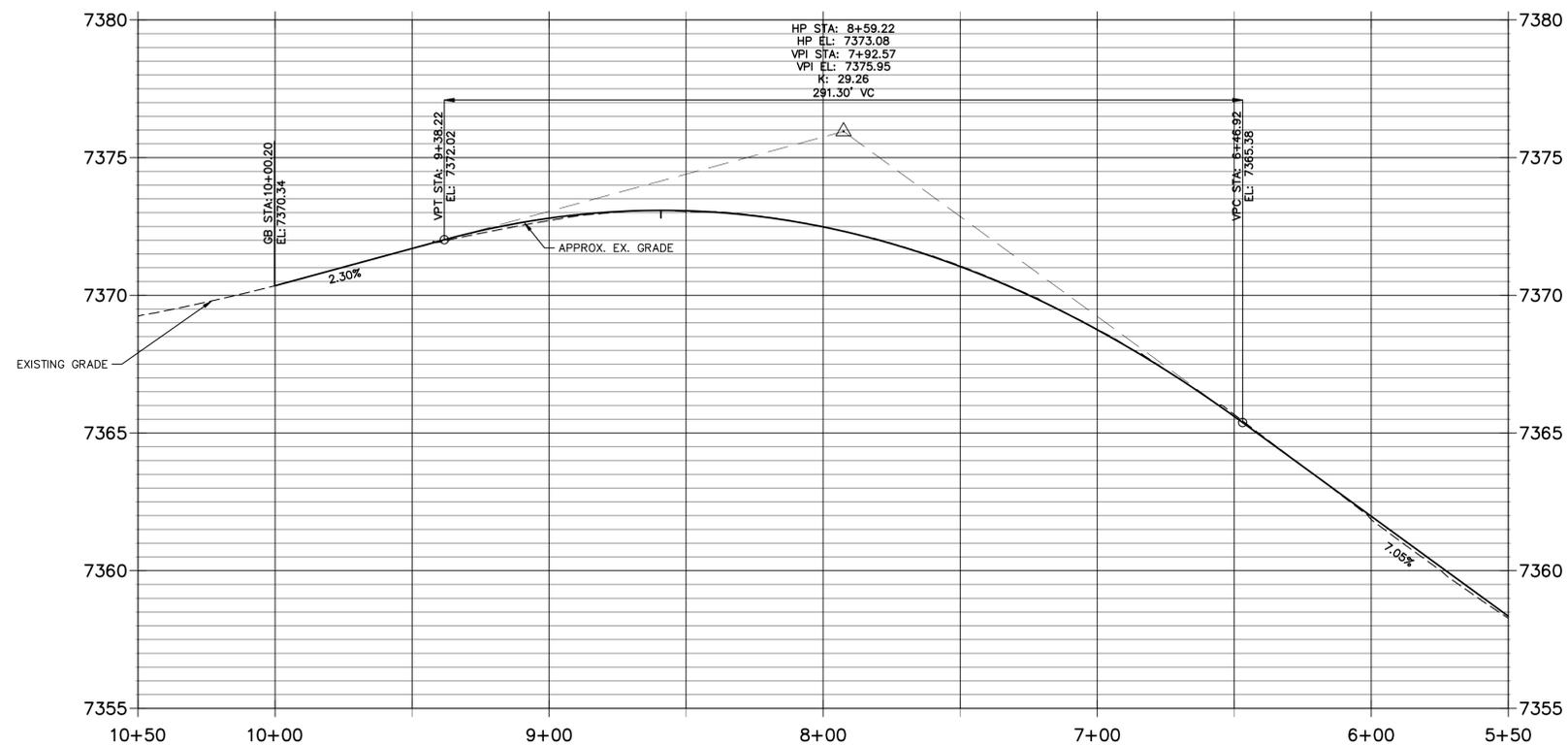
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ESTATES AT CATHEDRAL PINES

STOPPING SIGHT DISTANCE



**WINSLOW DR PROFILE
STA 5+50.00 TO 10+50.00**



30 15 0 30 60
 HORIZONTAL
 ORIGINAL SCALE: 1" = 30'
 VERTICAL
 ORIGINAL SCALE: 1" = 3'

STOPPING SIGHT DISTANCE
 ESTATES AT CATHEDRAL PINES
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 8/18/2023
 SHEET 1 OF 1



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