

WILDLAND HAZARD ASSESSMENT SURVEY - Neighborhood

Community: Watersmark		Date Surveyed: March 16, 2005		
County: Travis		FD: Oak Hill Fire Department		
# acres	Assessment Completed by:	Lexi Maxwell & Jan Fulkerson		
Total Subdivision Lots:	65	Vacant Lots:	28	
Total Homes: 37	Complete: 37	Under Construction:		
Survey Categories			Eval #	Comments
ACCESS				
Main road access: (to driveway)	Good Access (Hard surface > 30 feet)	0		
	Medium Access (Gravel > 30 feet)	1		
	Poor Access (Dirt < 30 feet)	2		
Secondary road access:	Two or more primary roads	0		
	One primary road plus alternate access	1		
	No secondary road	2		
Road width: (to driveway)	Good two-way road	0	Inadequate turn-arounds for emergency vehicles	
	Narrow two-way road	1		
	One-way road	3		
Maximum grade: (of route to driveway)	0 - 2.5	0		
	3 - 4	1		
	4.5 - 6	2		
	Greater than 6	4		
Protection Response Time: (from the fire station)	Within 15 minutes	0		
	Within 16 to 30 minutes	2		
	Greater than 30 minutes	4		
	No organized fire district	5		
Gate(s):	No Gates/Unlocked Gate(s)	0	Coded	
	Locked Gate(s)	2		
	Narrow Gate Entrance and/or Cattle Guard	4		
LOT IDENTIFICATION				
Street Name Readable:	Yes	0		
	No	2		
Lot Identification Visible:	Name AND number displayed	0	Non-reflective. Rusty. Hard to read #s.	
	Name OR number displayed	1		
	No name or address displayed	2		
WATER SUPPLY				
Distance to closest Hydrant:	Less than 1000 feet away	1		
	Greater than 1000 feet away	2		
	Flush valves available (low flow)	3		
	No hydrants	4		
Closest Draft Source: (1500+ gallons)	On site and easily available	1		
	Within 20 minutes roundtrip	2		
	Within 21-45 minutes roundtrip	3		
	Greater than 46 minutes roundtrip	4		

Not available to determine		2	
UTILITIES			
Electric Line(s) to Structure:	All Underground	0	
	Part Underground & Above Ground	1	
	All Above Ground	2	
Electric Line(s) to Subdv: (main feed into area)	All Underground	0	
	Part Underground & Above Ground	1	
	All Above Ground	2	
Propane Gas:	None present	0	
	> 50 feet Downhill from house	1	
	> 50 feet Uphill or Even from house	2	
	< 50 feet from house	3	
LANDSCAPING			
Fuel Model near Residence: (1ft. or less in height) (> 2.5 ft. in height) (ht. 2 ft., dead fuels sparse) (ht. 2-4 ft. light loading dead fuels) (ht. 6 ft., heavy loading dead fuels)	No Fuels	0	Heavy use of clump grasses such as pampas grasses.
	Short Grass	1	
	Tall Grass	2	
	Coastal Grass	4	
	Light Brush	2	
	Medium Brush	3	
	Thick Brush	4	
	Open Hardwood	2	
	Hardwood/Brush Combination	3	
	Open Pine/Grass Combination	2	
	Closed Pine/Brush Combination	4	
	Plantation Pine	5	
Fuel Model in Area:	No Fuels	0	
	Short Grass	1	
	Tall Grass	2	
	Coastal Grass	4	
	Light Brush	2	
	Medium Brush	3	
	Thick Brush	4	
	Open Hardwood	2	
	Hardwood/Brush Combination	3	
	Open Pine/Grass Combination	2	
	Closed Pine/Brush Combination	4	
	Plantation Pine	5	
Closest Wildland Fuel:	More than 300 Feet	0	
	100 to 300 Feet	2	
	30 - 100 Feet	3	
	Less than 30 Feet	4	
TOPOGRAPHIC FEATURES			
Predominant Slope of Lot: (degree of decline)	0-5	1	
	5.5-15	2	
	15.5-22.5	3	
	More than 22.5	4	

Predominant Aspect of Lot: (direction slope is facing)	Level	0	
	N (NW - NE)	1	
	E (NE - SE)	2	
	S (SE - SW)	3	
	W (SW - NW)	4	
Dangerous Features:	More than 300 feet	0	
	100 - 300 Feet	1	
	30 - 100 Feet	2	
	Less than 30 Feet	3	
<u>CONSTRUCTION</u>			
Manufactured Housing:	Not manufactured	0	
	Skirting and Protective Roofing	1	
	ONLY skirting	2	
	No skirting	3	
Roofing Material:	Unable to determine	1	Only one.
	Tile	0	
	Metal	1	
	Composite/Asphalt	2	
	Forest Litter on Roof	3	
	Shake Shingles	4	
Siding Material:	Unable to determine	1	
	Masonry/Brick	0	
	Full Logs	1	
	Composite, Metal, Tile	1	
	Fiberglass/ Wood Sheet	2	
	Rough Planking	3	
	Cedar Shake	4	
Additional Comments:			
<p>Concern: Narrow roads and inadequate cul-de-sacs, and locations for large vehicles to turn-around, will limit the capability of emergency response vehicles.</p> <p>Recommendation: Develop comprehensive evacuation plan to include all elderly and disabled residents and pets.</p> <p>Concern: Excessive use of clump grasses in landscaping will contribute to spread and intensity of fire in neighborhood.</p> <p>Recommendation: Reduce amount of clump grasses, and position remaining grasses away from structure and other highly flammable vegetation.</p> <p>Concern: Address numbers extremely hard to read (rusty, etc.) and non-reflective.</p> <p>Recommendation: Alter current numbers to make them reflective or add reflective numbers to lots. Position all address numbers where they can be easily readable from both directions on the streets.</p> <p>Concern: One house has a wood shake shingle roof. This house will probably not survive a major wildfire event, and the fire department will be forced to focus their efforts on more defensible homes.</p> <p>Recommendation: Replace roof with a fire-resistant roofing material such as ceramic or concrete tile, or metal roofing. There are masonry products on the market that strongly resemble the appearance of wood shake roofs, but are much less flammable.</p> <p>If "fake shakes" are installed to replace current roof, Oak Hill Fire Department should be made aware of the change.</p>			