

2/8/23 Mitigation Options for Reducing Risk of South H Street Italian Stone Pines

Yellow highlight indicates current recommendations. Orange highlight indicates replacement or vacant tree sites

ID	Species	DBH	Date Surveyed	Drip Radius	Height	Main Concern Crown	Main Concern Roots	Main Concern Trunk	Risk Condition	Consequences	Failure	Impact	Residual Risk	Risk Rating	Notes	Mitigation Options	
1	Italian Stone Pine Pinus pinea	49	11/10/2015	73	35	crown growing into tree 2 north canopy but not touching east tree 61 canopy. No tree to south	natural mulch around base, roots over curb, roots raising sidewalk	1. Central scaffold 2. E 35% 3 removed non-calloused branches	overextended	Severe	Possible	High	Low	Moderate	439 H St. sw corner house with locust	1. Reduce branches over street 20' 2. Reduce branches towards house 20' Expand curb 12" out for 10' 2 flexible sidewalk panels Remove black plastic in parkway Clear collar	
			09/13/2016						Overextended	Severe	Possible	High					
			10/29/2017														
			09/24/2018														
			09/28/2018														
			08/17/2020										Moderate	Moderate	rocks around root crown removed at my recommendation by renter no irrigation, no mulch	E 35% scaffold-5' crown tip reduction East and South, remove northern fork of lowest branch over street (E) Central scaffold-5' crown tip reduction over house (W) Root collar and crotches cleared	
													01/24/2023	Moderate	Moderate	no irrigation, lawn or mulch. 2 trunks: Central, E-35% extended over street center line	E-6" tip, S-4" tip, W-4" tip, N-x
1																	
2	Italian Stone Pine Pinus pinea	52	11/12/2015	73	35	crown growing into north and south tree canopies but not touching east	grass at base, moss, excessive watering by sprinkler 4' from trunk	1. nw 2. se 3. e	Nw leaning	Severe	Possible	High	Low	Moderate	435 H St. Review sw scaffold canopy leaning on tree 1 canopy for stabilization. Also review base where overwatered	1 reduce nw scaffold 20' 2 reduce se scaffold 20' 3 reduces e scaffold 20' Convert spray to drip irrigation and separate from lawn watering Clear root collar, expand mulch instead of grass 3 panel flexible sidewalk 5' curb bump in future	
			10/29/2017						Se leaning	Severe	Possible	High					
			09/24/2018						East leaning	Severe	Possible	High					
			09/28/2018														
			08/17/2020										Moderate	Moderate	irrigation off	NW scaffold-no recommendation SE scaffold-5' E. crown tip reduction S scaffold- 5' E. Crown tip reduction Clear root collar	
													01/24/2023	Moderate	Moderate	Irrigation capped. Trunks E-20%, S 45%. Trunk flare rising at west base	E-6" tip, S-in canopy, N-in canopy, W-x
2																	
3	Italian Stone Pine Pinus pinea	48	11/12/2015	75	35	crown growing into north and south canopies, crown not touching east	natural mulch and some non irrigated grass up to edge,	two major scaffolds one with ne lean to street and one se. multiple unsealed branch removals	S leaning	Severe	Possible	High	Low	Moderate	429 H St. review crotch at scaffolds and base	1 reduce branches towards house 15' and street 20' 2 reduce branches towards house 15' and street 25'. Remove for low risk Clear collar, expand mulch instead of grass. 2 sidewalk panels flexible sidewalk	
			10/29/2017						Se leaning	Significant	Possible	High					
			09/24/2018														
			09/28/2018														
			08/17/2020										Moderate	Moderate	No irrigation, no mulch	NE Scaffold- 5' E. crown tip reduction SE scaffold - 5' E. crown tip reduction No pruning on house side Clean crotches and collar	
													01/24/2023	Moderate	Moderate	No irrigation or mulch. @	E-4" tip, S-in canopy, N-in canopy, W-x
3																	

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4	Italian Stone Pine Pinus pinea	57	11/12/2015	73	35	crowns growing into n and south canopies, crown just touching east canopy	substantial surface roots at curb and sidewalk. natural mulch on base,	4 major scaffolds one se one central one ne and one nw	northwest leaning	Significant	Possible	High	Low	Moderate	423 H St south tree on boundary with 429	1. Reduce 15' towards parking & 15' towards house. Remove for low risk 2. Reduce 20' towards street. Remove for low risk 3. Reduce 20' towards street. Remove for low risk 4. Reduce 115' towards house and 15' towards street Clear collar and crotch, expand mulch instead of grass Reduce sidewalk by root, 2 flexible sidewalk panels Future 5' curb bump
			10/29/2017						Ne leaning	Significant	Possible	High				
			09/24/2018						Se leaning	Severe	Possible	High				
			09/28/2018						Central	Significant	Possible	High				
			08/17/2020										Moderate	Moderate		NW scaffold - 5' W crown tip reduction NE scaffold - 5' E crown tip reduction SE scaffold - 5' E crown tip reduction Central scaffold - 5' E. crown tip reduction Clear crotches and root collar
			01/24/2023										Moderate	Moderate	No irrigation or lawn, some mulch. Trunks SE 45%, W 45%, E 45%	E-6" tip, S-x, N-in canopy, W-4" tip
5	Italian Stone Pine Pinus pinea	55	11/12/2015	75	35	4 major scaffolds, multiple pruning cavities, shear planes at base of 3 leaning scaffolds, crown growing into n,s canopies, crown touching east canopy	surface roots buckling curb, no mulch. irrigation sprinklers present but not being used	4 major scaffolds se sw nw and central/s multiple pruning cavities	Se leanin	Significant	Possible	High	Low	Moderate	423 H St north tree, check junctures for cracks	1. Reduce se 20' towards street. Remove for low 2, reduce sw 15' towards houses 3. Reduce nw 20' towards street & houses. Remove for low. 4. Reduce central south by 15'. Remove for low Clear collar and crotch, remove broken concrete in parkway Convert spray emitters to drip.
			10/29/2017						Sw leaning	Significant	Possible	High				
			09/24/2018						Nw leaning	Significant	Possible	High				
			09/28/2018						Central-south	Significant	Possible	High				
			08/17/2020										Moderate	Moderate	No irrigation, no mulch	SE scaffold-5' E. crown tip reduction SW scaffold-no recommendation NW scaffold-5' NW crown tip reduction Central scaffold-5' E crown tip reduction. Clear crotches and root collar.
			01/24/2023										Moderate	Moderate	No irrigation, lawn or mulch. Irrigation heads not used? Trunks NW 45%, SE 45%, S 45%, Central 15%	E-6" tip, S in canopy, N- in canopy, W-4" tip
5	Italian Stone Pine Pinus pinea	60	11/12/2015	75	35	3 major scaffolds, multiple pruning cavities, crown growing into n,s, and e canopies	extensive surface roots uplifting pavement and curb girdling of one scaffold, No irrigation Sufficient natural mulch	codominant crack between two scaffolds from juncture to base, se 45 degree lean S 25 degree lean Ne 45 degree lean	ne leaning	Significant	Possible	High	Low	Moderate	415 H St 2013 resistograph	1. ne leaning 20' reduction towards street. Remove for low risk 2. S leaning. 10' reduction 3. Se leaning. 10' reduction Clear collar and crotch 5' curb bump
			10/29/2017						South leaning	Significant	Possible	High				
			10/30/2017						se leaning	Severe	Possible	High				
			09/24/2018													
			09/28/2018													

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			08/17/2020										Moderate	Moderate	No irrigation, no mulch	SE scaffold-5' to 10' E. crown tip reduction S. scaffold-5' W. crown tip reduction NE scaffold-5' to 10' E. crown tip reduction Clear crotches and root collar
			11/12/2021										Moderate	Moderate		Tip reduction as recommended
			01/24/2023										High	High	Irrigation heads working? Lawn, no mulch. Trunks Center leans W, E-45%, NE 45%	E-6" tip, S-in canopy, N-in canopy, E-x
6																
7	Italian Stone Pine Pinus pinea	50	11/12/2015	64	35	, reduction of end branches in crown, third scaffold removed, crown touching adjacent north and south tree canopies but not to east	natural mulch against trunk and black plastic underneath-remove	E 25 degree lean S 25 degree lean	E leaning	Significant	Possible	High	Low	Moderate	411 H St south tree 013 resistograph?	1. E leaning. Reduce 20' towards street & 10' towards 411 s. H street 2. S leaning. Reduce 20' over parkway. Clear collar and crotch Remove black plastic under mulch
			10/29/2017						S leaning	Severe	Possible	High				
			09/24/2018													
			09/28/2018													
			08/17/2020										Moderate	Moderate	No irrigation	E scaffold- 5'-10' E crown tip reduction W scaffold-5' W crown tip reduction Clear root crown and crotches, remove black plastic under mulch
			11/10/2021										Moderate	Moderate		Tip reduction as recommended
			01/24/2023										Moderate	Moderate	no irrigation, some mulch. Trunkd E-45%, S-50%	E-4" tip, N-x, S-in canopy, W-x
7																
8	Italian Stone Pine Pinus pinea	59	11/12/2015	67	35	4 major scaffolds, one previously removed leaning 45 degrees se and sw, crown growing into north and south tress, crown just touching east tree	black plastic at base covered by natural mulch-remove plastic and mulch against base	Sw 35 lean Nw 45 lean E 45 lean Se 45 lean one previously removed. shear planes at juncture of two scaffold leaning towards house	Sw lean	Severe	Possible	High	Low	Moderate	411 H St south tree - 2009 reduction, 2013 branches with twisted defects over street. Review juncture with 2 west scaffolds	1. Sw lean reduce 15' towards house. Remove for low risk. 2. Nw lean. Reduce 15' towards house. Remove for low risk. 3. E lean reduce 25'. Remove for low risk 4. Se lean. Reduce 10' Clear collar and crotch. Remove black plastic under mulch 5' curb bump
			10/29/2017						Nw lean	Severe	Possible	High				
			09/24/2018						E. 45 lean	Significant	Possible	High				
			09/24/2018						Se lean	Significant	Possible	High				
			09/28/2018													
			08/17/2020										Moderate	High	No irrigation, mulch covering	Clean crotches and root crowns. Failed branch on southeast scaffold. City crews conducted crown weight reductions to reduce upper load. Followup Resistograph test recommended
			08/19/2020										Moderate	High	Resistograph results NW scaffold- moderate wood density at max load point at base of 26" crotch	NW scaffold-remove W. 12" fork over house plus branch below
			08/19/2020												SW scaffold- moderate wood density at max load point at base of 22" crotch	SW scaffold - remove W 10" branch back to E. curving branch

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			08/19/2020														NE scaffold-moderate wood density at max load point at base of 29" crotch	NE scaffold- remove E 8" branch back to W. branch crotch and upper E 8" branch approximately 8-10'
			11/09/2021										Moderate	Moderate				Modified Tip reduction as recommended
			01/24/2023														No irrigation, some mulch. Main branch failed in rainstorm 1/23. treeremoved by City. No central trunk decay.	Grind stump, replant
8													Low	Low				
9	Italian Stone Pine Pinus pinea	56	11/12/2015	66	35	five major scaffolds, a sixth and seventh ones removed, additional tip reductions could occur on selected branches next to house, scaffolds leaning 45 degrees e,se,sw,nw	surface roots visible, natural mulch sparsely at base-	S 45 lean Se 45 lean E 45 lean Central 20 east lean Nw 45 lean	S lean	Significant	Possible	High	Low	Moderate			403 H St south tree	1 s lean reduce 20' towards 411 s h st. Remove for low risk 2. Se lean reduce 20' towards street. Remove for low risk 3 e lean. Reduce 10' towards street. Remove for low risk. 4 central no rec 5 nw lean. Reduce 15' towards 203 s h st. Remove for low risk Clear collar and crotch. Future 10' curb bump
			10/29/2017						Se lean	Significant	Possible	High						
			11/07/2017						E lean	Significant	Possible	High						
			09/24/2018						Central	Severe	Possible	High						
			09/28/2018						Nw lean	Severe	Possible	High						
			08/17/2020										Moderate	Moderate			No irrigation, root collar cleared	S scaffold-5'W crown tip reduction SE scaffold-5'-10' E crown tip reduction E Scaffold-5'-10' E crown tip reduction Central Scaffold- no recommendations NW scaffold-5'-10' E crown tip reduction
			11/10/2021										Moderate	Moderate				Modified Tip reduction as recommended
			01/24/2023										Moderate	Moderate			No irrigation, little mulch.	
9																		
10	Italian Stone Pine Pinus pinea	44	11/12/2015	53	35	2 major scaffolds, one leaning south, other east, canopy growing into tree to south. no north or west trees	irrigated from adjacent lawn sprinklers? natural mulch/lawn sparsely up to base	Se 45 lean W 45 lean Ne 45 lean E 45 lean Central no recommendations	Se lean	Significant	Possible	High	Low	Moderate			403 H St north tree. corner, no tree to north	1. Se lean 20' reduction towards street, 15' reduction towards 403 h st.. remove for low risk 2. W lean 10-15' reductions towards 403 s h st. Remove for low risk. 3. Ne lean20' reduction. Remove for low risk. 4, e lean. Selected end branch removal. Remove for low risk Clean root collar and crotches Redirect lawn sprinklers from irrigating parkway lawn
			10/29/2017						W lean	Severe	Possible	High						
			09/24/2018						Ne lean	Severe	Possible	High						
			09/28/2018						e lean	Severe	Possible	High						
			08/17/2020										Moderate	Moderate			No irrigation	SE scaffold-3' W crown tip reduction W Scaffold-no recommendations NE scaffold-5' E and N crown tip reduction E scaffold-5' E and N crown tip reduction Central scaffold-no recommendations Clean root collar and crotches.

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01/24/2023										Moderate	Moderate	No irrigation, no mulch. Trunks SE & W-45%,NW-45%, NE-45%, E-NE &NW 45%, NE 45%, NE &E-45%	E-4" tip, N-4" tip, S-in canopy, W-x			
10	Italian Stone Pine Pinus pinea	49	11/12/2015	79	30	4 15" cavities from pruned branches plus other smaller cavities. crown is freestanding, not touching any other tree. no tree to south, new tree to north scheduled in November 2015, shear plane crack on west scaffold	base covered rd in rocks around trunk with ground cloth underneath-suggest replacing with natural mulch	Nw 35 lean Ne 45 lean Se 35 lean Sw 45 lean	Nw lean	Significant	Possible	High	Low	Moderate	335 H St corner house .	1. Nw reduce 15' towards 335 h st 2. Ne lean reduce 20' towards street 3. Se lean reduce 20' towards street 4. Sw lean. Reduce 10'. Remove for low risk clear crotches remove rocks around collar, parkway, and add mulch
			10/29/2017													
			09/24/2018													
			09/28/2018													
			08/17/2020										Moderate	Moderate	No irrigation, large rock mulch and plants	NW scaffold-5' E crown tip reduction NE scaffold-5' E crown tip reduction SE scaffold-5' E crown tip reduction SW scaffold-5' W crown tip reduction Clear root collar and crotches, remove rocks and black plastic against base
			11/09/2021										Moderate	Moderate		Tip reduction as recommended
01/24/2023										Moderate	Moderate	Irrigation from adjacent sprayers? Large rock and plants. Trunks-NE 45%NW-35%,SE-45%, SW-	e-4"tip, N-4" tip, S-4"tip, W-x			
11	Italian Stone Pine Pinus pinea		11/12/2015							Negligible	Improbable	Very Low	Low	Low	331 h st south - new tree site	remove rocks and ground cloth, root grinding
			10/29/2017													
			09/24/2018													
			09/28/2018													
			08/17/2020										Low	Low		Raise crown 2' off street and sidewalk
01/24/2023										Low	Low/High		Tip reduce 5 competing leaders by 6			
12	Italian Stone Pine Pinus pinea	47	11/12/2015	67	35	one 20" branch removed 5' up, canopy is freestanding.	surface roots visible and lifting sidewalk and expanding curb, natural mulch up to base, tree base than surrounding are by 5"	Nw 15 lean Ne 25 lean Sw 25 lean	Sw lean	Significant	Possible	High	Low	Moderate	331 H St. north	1. Nw 15 lean reduce 20' towards 331 h & 327 s h st 2 ne lean. Reduce 10' towards street 3. Sw lean. Reduce 10' towards houses. Remove foe low risk Clear collar and crotches Bump curb 10', Flexible sidewalks 2 panels
			10/29/2017													
			09/24/2018													
			09/28/2018													
			08/17/2020										Moderate	Moderate	No irrigation	NW scaffold-10' W crown tip reduction NE scaffold-10' E crown tip reduction SW scaffold-5' W crown tip reduction Clear root crown and crotches
			11/09/2021										Moderate	Moderate		Tip reduction as recommended
01/24/2023										High	High	Irrigation? Lawn, no mulch. Trunks S-45%,NE-45%,NC-45% 327 H St.	E-4"tip, N-4"tip, S-4" tip W-x			
13	Italian Stone Pine Pinus pinea															

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14	Italian Stone Pine Pinus pinea		11/12/2015									Low	Low	323 h st tree not replaced-previous tree removed after 2009 report recommendations and August 2009 scaffold failure	root grinding	
			10/29/2017													
			09/24/2018													
			08/17/2020									Low	Low		Raise crown 1'	
14			01/24/2023									Low	Low/High	Mulch, rosemary	Tip reduce 4 competing leaders	
15	Italian Stone Pine Pinus pinea	37	11/12/2015	75	35	two major scaffolds, canopy growing into north and east trees, new south tree scheduled for November 2015. no reductions	driveway one foot north of tree and rising. 1' x 2' concrete slab not part of sidewalk should be removed. Rosemary planted in parkway, otherwise natural mulch up to tree base	Se 25 Nw 45	Se lean	Severe	Possible	High	Low	Moderate	323 H st north tree	1. Se reduce 10' towards houses and 20' towards street. 2. Nw lean. Reduce 10' towards houses and 20' towards street Clear collar and crotches 5' curb bump Consider reducing 319 s h st driveway by one foot on south side
			10/29/2017						Nw lean	Significant	Possible	High				
			11/02/2017													
			09/24/2018													
			09/28/2018													
			10/15/2018													
			08/17/2020										Moderate	Moderate	No irrigation	SE scaffold-5'-10' E crown tip reduction NW scaffold- 10' E crown tip reduction Clear collar and crotches
			11/09/2021										Moderate	Moderate		Modified Tip reduction as recommended
15			01/24/2015										Moderate	Moderate	Mulch, rosemary. Trunks SE-45%, NE-45%	E-4" tip, N-in canopy, S-4" tip, W-4" tip
16	Italian Stone Pine Pinus pinea	42	11/12/2015	70	35	side branches all removed, no reductions, canopy growing into north and south trees, not touching east tree	black plastic with rocks around base should be replaced with natural mulch, and remove concrete in parkway to allow roots to receive air, minerals and water	one trunk multiple pruning cavities	overextended	Minor	Possible	High	Low	Low	319 H	10' reductions around entire crown remove concret and black plastic, replace with mulch
			10/29/2017													
			11/07/2017													
			09/24/2018													
			09/28/2018													
			%												No irrigation, concrete in parkway	Single trunk-5' E crown tip reduction
16			01/24/2023											No irrigation, concrete in parkway. Trunk- SE-10%	E-4" tip,N-x,S-in canopy,W-4" tip	
17	Italian Stone Pine Pinus pinea	52	11/12/2015	72	35	2 major canopies leaning east and west, canopy growing into north and south trees and touching east tree. canopy reduced in 2009	concrete driveway cutting 4-6 inches l into base of tree- remove to one foot away from tree and reform curb and driveway. stem girdling base of western trunk/scaffold but too	Se 20 lean E 25 lean seam runs between two scaffolds, good candidate for bracing	Se lean	Severe	Possible	High	Low	Moderate	311 H street south tree- 2009 reduction, 2013 low vigor continues, check seam for decay	1. se lean reduce 10' towards houses 2. E lean reduce 25' towards street and 10' towards houses see root section and trunk section, additional reductions?
			10/29/2017													
			09/24/2018													
			09/28/2018													

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			08/17/2020										Moderate	Moderate	Grass, hand irrigation. Potential resistograph review of seam between two scaffolds	SW scaffold-5' W crown tip reduction E scaffold-5' W and E crown tip reduction clear root crown and crotches. Remove concrete against base of trunk.	
01/24/2023													High	High	Hand irrigation, lawn, no mulch. Trunks- NE 45%, N-45%, Central balanced	E-4" tip,N-in canopy, S-x, W-x	
17	18	Italian Stone Pine Pinus pinea	53	11/12/2015	76	35	canopy growing into north and south trees but not touching east tree. no reductions	bulge on north side of tree base. roots pushing up asphalt in street ne of tree	Ne 15 lean Se 15 lean 4 major scaffolds, 2 previously removed with lots of bleeding	east, coming off at right angle to parent	Significant	Possible	High	Low	Moderate	311 H St. north tree - review scaffold heading towards house	1. Nw red-4" tipuce 20' towards houses 2. Se reduce 15' towards street and parkway Add mulch
			10/29/2017							twisted juncture. from east scaffold	Significant	Possible	Medium				
			09/24/2018							twisted juncture with western parent	Significant	Possible	High				
			09/28/2018														
			08/17/2020										Moderate	Moderate	Grass, hand irrigation	NW scaffold-5'-10' W crown tip reduction SE scaffold-10' E crown tip reduction clear root collar and crotches	
			11/09/2021										Moderate	Moderate		Modified tip reduction as recommended	
01/24/2023													Moderate	Moderate	Grass, hand irrigation on the south side Trunks East-30%, NW35%	E-4" tip, N and S- in canopy, W-4" tip	
18	19	Italian Stone Pine Pinus pinea	46	11/12/2015		30	reductions on house side only, canopies growing into south and east trees, new north tree scheduled for November 2015. most branch attachments look strong	walkway over roots, no mulch	W 35 lean E 25 lean two large scaffolds removed previously 4 feet from base	west	Severe	Possible	High	Low	Moderate	307 H St.- check juncture of scaffold leaning towards house as precautionary measure	1. W 35 lean. Reduce 20' towards house 2. E 25 lean reduce 20' towards street
			10/29/2017							E 25 lean	Severe	Possible	High				
			09/24/2018														
			09/28/2018														
			08/17/2020										Moderate	Moderate	No irrigation, no mulch	W scaffold-5'-10' W and N crown tip reduction E scaffold-5'-10' E and N crown tip reduction Clear root collar and crotches	
			11/09/2021										Moderate	Moderate		Modified tip reduction as recommended	
01/24/2023													Moderate	Moderate	No irrigation, no mulch. Trunks NE45% curved NW tip and NE, S-45%,E-45%	E-4" tip, N-4" tip, S-in canopy, W-4"	
19	20	Italian Stone Pine Pinus pinea		11/12/2015						Planted 2016	Negligible	Improbable	Very Low	Low	Low	303 h st. new tree - previous tree identified in 2003 report as one with issues failed around 2009	Structural pruning
			10/29/2017								Negligible	Improbable	Very	Low	Low		
			09/24/2018														
			10/15/2018														
			08/17/2020										Low	Low		Raise canopy 1'	
01/24/2023													Low	Low/High	Spray irrigation	Tip reduce one competing leader	

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21	Italian Stone Pine Pinus pinea	57	11/12/2015	63	35	no trees south, crown intertwined with tree 22, not touching tree across street but close	parkway grass irrigated by above ground sprayers hitting trunk? grass green but not overwatered	Central East 25% lean E 45% lean 3 20"+ lower branches removed	leaning over street	Significant	Possible	High	Low	Moderate	237 H St. nw corner at hickory st	1: central 2.e 25% lean. Reduce 20' towards street . Remove lowest 15' scaffold for low risk 3. E 45% lean. Remove 12" , note collar and horizontal crack at base
			10/29/2017						central	Significant	Possible	High				
			09/24/2018						e	Significant	Possible	High				
			10/15/2018													
			08/17/2020										Moderate	Moderate	No irrigation or grass, minimal mulch	Central scaffold-5' W crown tip reduction E 25 degree scaffold-5' E crown tip reduction E 45 degree scaffold-5' E crown tip reduction Clear root collar and crotches
			01/24/2023										Moderate	Moderate	No irrigation, no grass, minimal mulch. Trunks SE- tip 25%, NE 45%, NW-45% split, S-45%	E-4" tip, N-in canopy, S- 4" tip, W-4"
21																
22	Italian Stone Pine Pinus pinea	58	11/12/2015	68	35	intertwined with tree 21 to south, no tree north or east	candy Apple vine covering trunk base, driveway and curb lifting due to 1' to 5' from trunk	S 25% lean E 20% lean third scaffold removed between 2009 and 2013	S 25% lean	Severe	Possible	High	Low	Moderate	231 h st south tree-2013 decay in crotch 12", one scaffold failed in April 2013. Resistograph 2009? 48" southeast side showed a cavity at 16" with several rings of compartmentalized wood just before the entry. Review crotch	1 S 25% lean 25% lean reduce W 20', S15' 2 e 20% lean reduce E 20', N 15'
			10/29/2017						East 20% lean	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/17/2020										Moderate	Moderate	Hedges on north, no irrigation or mulch	South scaffold-5' W crown tip reduction where possible E scaffold-remove 45 degree 12" branch back to upright crotch-see report
			11/09/2021										Moderate	Moderate		Tip reduction as recommended
			01/24/2023										Moderate	Moderate	Hedges on north, no irrigation or mulch. Trunks South-35%, NE 25%	E-4" tip, N-4" tip, S-in canopy, W-X
22																
23	Italian Stone Pine Pinus pinea		11/12/2015										Low		231 h st - tree removed after 2003 and 2009 reports - tree not replaced, no risk	root grinding
			10/29/2017													
			09/24/2018													
			10/15/2018													
			08/17/2020													vacant site
			01/24/2023										Low	Low/High	Irrigation on south side of new tree. Site is actually 227 H street	Tip reduce most branches to promote one central leader and avoid current shrub tree.
23																

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24	Italian Stone Pine Pinus pinea	58	11/12/2015	83	35	branches intertwine with tree to north. no tree to south. branches touch tree to ears at 224 h street		3 scaffolds, fourth scaffold removed	Ne 25% lean twisted branch leaning over house 223	Severe	Possible	High	Low	Moderate	223 h st south - review branch leaning towards 223 h st	1. Ne 25% lean. Reduce 20' towards house 2. E 25% lean. Reduce 25% towards house or remove for low risk 3. W 45% lean . Reduce 20' towards street review codominant base of 3 scaffolds
			10/29/2017						e 25%	Significant	Possible	High				
			09/24/2018						w 45%	Significant	Possible	High				
			10/15/2018										Moderate	Moderate	No irrigation, little mulch	NW scaffold-5'-10' W crown tip reduction W scaffold-5'-10' W crown tip reduction E scaffold-5' E crown tip reduction Clear root collar and crotches
			08/17/2020													
			11/09/2021										Moderate	Moderate		Modified tip reduction as recommended
			01/24/2023										Moderate	Moderate	Site is actually 227 H Street. No irrigation or mulch, driveway on north side. Trunks W-45%, NE split 45%, SE-30%	E-x, N-in canopy, S-x, W-4" tip
24																
25	Italian Stone Pine Pinus pinea	63	11/12/2015	72	35	crowns intertwined with tree 24 to south and tree 26 to north. no tree to east	surface roots showing, response wood on north side	1. W 25 degree lean 2. S 25 degree lean 3. S 45 degree lean	south 45 degree lean	Severe	Possible	High	Low	Moderate	223 h st north tree - crack where south scaffold is attached 223 h st	1. W 25 lean. Reduce 25' towards house 2. S. 25 degree lean. Red10' to street 3. S 45 degree lean. Remove for low risk rating
			10/29/2017						W 25 degree lean	Severe	Possible	High				
			09/24/2018						S 25 degree lean		Possible					
			10/15/2018										Moderate	Moderate	No irrigation, dead grass, no mulch	W scaffold-5' W crown tip reduction S 25 degree scaffold-5' E crown tip reduction S 45 degree scaffold-Remove 12"SW leaning branch at joint with 75 degree east leaning 2' branch -see report
			08/17/2020													
			11/09/2021										Moderate	Moderate		Tip reduction as recommended
			01/24/2023										Moderate	High	No irrigation, hand watered grass, no mulch. Trunks S- 45%, S-20%, NW-30%	E-4" tip, N-in canopy, S- in canopy-possible removal, W-4" tip
25																
26	Italian Stone Pine Pinus pinea	51	11/12/2015	70	35	crowns intermingled with tree to east at 214 h st, and south tree 25 and north tree 27	roots lifting sidewalk on response side	1. E 35 degrees 2: e 15 degrees 3. S 35 degrees 3 other 15" removed, one branch towards house failed	E 35 degree lean	Severe	Probable	High	High	High	review crotch? 215 h st south tree	1: e 35 lean. Reduce 25' towards street 2. E 15 lean no rec 3. S 35 lean reduce 20' or remove for low risk rating remove girdling roots
			10/29/2017						E 15 degree lean	Significant	Probable	Medium				
			11/02/2017						S 35 degree lean	Severe	Probable	High				
			11/07/2017													
			09/24/2018													
			10/15/2018													

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			08/17/2020										Moderate	Moderate	No irrigation	E 35 degree lean scaffold-10' E crown tip reduction E 15 degree lean scaffold-10' S crown tip reduction South scaffold-10' S and W crown tip reduction Clear root collars and crotches
			11/09/2021										Moderate	Moderate		Modified tip reduction as recommended
			01/24/2023										Moderate	Moderate	No irrigation, hand watered grass? Trunks E-35%, E-15%, S-35%	E-4" tip, N-in canopy, S-in canopy-possible reduction/removal, W-x
26	Italian Stone Pine Pinus pinea	48	11/12/2015	67	35	crow intertwined with tree 26 to south, tree 28 to north but not touching tree to east at 214 h street	surface routes visible, pushing curb out	Se 45 degree lean Central no lean 3 15"+ branches removed. some inclusion on street side	Se 45 degree leaning towards 211 h st	Severe	Possible	High	Low	Moderate	215 h st- north tree. - review crotch	1. Se 45 degree lean. Reduce 20' towards houses. Remove for low risk 2 central. Reduce 10' on street and house side
			10/29/2017						central	Severe	Possible	High				
			09/24/2018													
			10/15/2018													
			08/17/2020										Moderate	Moderate	No irrigation	SE scaffold-5' W crown tip reduction Central scaffold-5' W crown tip reduction, nothing on street side Clear root collar, and crotches
			01/24/2023										Moderate	Moderate	No irrigation, grass on north side (211 H). Trunks SE-45%, Central-	E-x, N-x, S-reduce 10' to upright, W-4" tip
27	Italian Stone Pine Pinus pinea	61	11/12/2015	71	35	crow intertwined with tree 27 south, tree 29 north, no tree to the east	surface roots, 3' from uplifted driveway to north	W 20% lean Ne 20% lean Center /e 15% lean 2 major lower branches removed. scaffold leaning west towards 211 needs review ar base, lots of dead branches at top	west 20% lean	Severe	Possible	High	Low	Moderate	211 h st. - review leaning scaffolds at base	1. W 20% lean. 20' reduction towards house. Remove for low risk. 2. N 15% learn. 15' reduction towards street. Remove for low risk 3. C/e 15% lean. 10' reduction on house and stree side
			10/29/2017						N 15% lean	Severe	Possible	High				
			09/24/2018						Center/e 15% lean	Severe	Possible	High				
			10/15/2018													
			08/17/2020										Moderate	Moderate	No irrigation, dead grass, no mulch	W scaffold-5'-10' W crown tip reduction NE scaffold-5'-10' E crown tip reduction Center scaffold-5' E crown tip reduction clear root collar and crotches
			11/09/2021										Moderate	Moderate		Modified tip reduction as recommended
			01/24/2023										Moderate	Moderate	No irrigation, or mulch, grass. Trunk W-20%, NE-20%, Center/E-15%	E-4" tip, N-4" tip, S-x, W-4" tip
28	Italian Stone Pine Pinus pinea	60	11/12/2015	70	35	reduced in 2009 towards church only. crown I tertwined with tree 30 to north, tree 28 to south and tree to east at 200 h st	natural mulch not irrigated	S 35% lean N 35% lean Se 45% lean Central- nw 45% lean 4 15" + branches removed previously	Se 45% lean	Severe	Possible	High	Low	High	201 h street south tree - check cracks at base of east leaning scaffold	1. S lean. Reduce 20'. Remove for low risk 2. N lean Reduce 20'. Remove for low risk 3. Central reduce nw 15' 4. Se reduce 20' remove for low risk. 2' cavity at base
			10/29/2017						South 35% lean	Severe	Possible	High				
			11/07/2017						North 35% lean	Significant	Probable	High				

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			03/12/2018						Center west	Significant	Possible	High						
			09/24/2018															
			10/15/2018															
			08/17/2020															Vacant site
			01/24/2023															Irrigation?, grass, no mulch.
																		Codominant, reduce shorter branch below multiple juncture of branches
29																		
30	Italian Stone Pine Pinus pinea	54	11/23/2015	66	35	reduced in 2009 on church side. crown intertwined with south tree 29, east tree 31, no tree to north on cypress	surface roots but more room, no irrigation or duff	1. Central-sw 45% lean 2. Ne 45% lean 3. We 45% lean fungal growth on straight scaffold on street side 10' up , horizontal seam next to burl	Central-se	Severe	Possible	High	Moderate	Moderate				201 h street north tree next to church, check seam next to burl, suspect decay
			10/29/2017						Ne	Significant	Possible	High						
			11/02/2017						Se	Severe	Possible	High						
			09/24/2018															
			10/15/2018															
			08/17/2020										Moderate	Moderate				Grass, no irrigation
			08/19/2020										Moderate	High				Test 1-N to S indicates low to medium density wood in horizontal crack at 54" Test 2-W to E indicates low to medium density wood in horizontal crack at 54"
			11/09/2021										Moderate	Moderate				Trunk removed as recommended
			01/24/2023										Moderate	Moderate				Grass-hand irrigation? Central/SW 45%, NE-45%, WE-45%
																		E-4" tip, N-4" tip, S-x, W-S" tip
30																		
31	Italian Stone Pine Pinus pinea	44	11/23/2015	57	35	reduced on north side next to street light. crown intertwined with tree 30 to west, tree 32 to south, no tree on north side	natural non irrigated parkway with accumulated natural mulch. girdling route on sidewalk side	1.n 35% lean 2. S 35% lean two scaffolds both twisted and with burls. 20" scaffold at base removed	N	Severe	Possible	High	Low	Moderate				200 h street museum north tree.. check burls at base of scaffolds
			10/29/2017						S	Severe	Possible	High						
			09/24/2018															
			10/15/2018															
			08/17/2020										Moderate	Moderate				No irrigation, good mulch base
			01/24/2023										Moderate	Moderate				Mulch, no irrigation. Trunk N-35%, S-35%
																		E-4" tip, N-x, S-4" tip, W-4" tip
31																		
32	Italian Stone Pine Pinus pinea	45	11/23/2015	59	35	crown intertwined with tree 31 to north, tree 29 to west, no tree to south. partially reduced towards museum	natural non irrigated duff, girdling root on south side	1. Central /north 45% 2. N 45% 3 w 45% two others removed. twisted, ridged scaffolds	north leaning	Significant	Possible	High	Low	Moderate				200 h street south tree.check base of two north leaning limbs. see site pictures
			10/29/2017						Central/ north	Significant	Possible	High						
			09/24/2018						w 45%	Severe	Possible	High						
			10/15/2018															

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			08/17/2020										Moderate	Moderate	No irrigation	N scaffold- 5' W crown tip reduction Central scaffold- 5' E crown tip reduction Clear root collar and crotches	
			01/24/2023										Moderate	Moderate	No irrigation. Trunk	E-4" tip, N-reduction to upright, D-4" tip	
32	Italian Stone Pine Pinus pinea		11/23/2015						Negligible	Improbable	Very Low	Low	Low	Low	210 h street new tree site - tree removed in 2013 due to decay at base of scaffolds		
			10/24/2017														
			10/29/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020									Low	Low			Raise crown 1'	
			01/24/2023									Low	Low/High			Tip reduce competing laterals at top 10% of the tree.	
33	Italian Stone Pine Pinus pinea	63	11/23/2015	66	35	crowns intertwined with tree 27 to west, tree 35 to south, no tree to north	grass growing up to base of tree irrigated twice a week and probably hitting trunk, excessive irrigation since 2003	1. E 25% lean 2. central/ se 10% 3. N 10% 2 others removed	east leaning	Severe	Possible	High	Low	Moderate	No irrigation or mulch	214 h street-check base of east leaning scaffold and effects of long term excessive irrigation at base. 2013 rec additional reduction after limb failure. 2009? resistograph 36" up south side found decay 14.3" into trunk	1. E reduce 10'. Remove for low risk 2., Central/se E reduce 20' change irrigation 3. N - reduce n and West 15'
			10/29/2017						Central/ se	Severe	Possible	High					
			09/24/2018						N	Significant	Possible	High					
			10/15/2018														
			08/17/2020									High	High		Fully irrigated parkway with lawn. Dr. Daniel Hyun provided flyer with care recommendations	Central scaffold-5' E crown tip reduction North scaffold-5' S, W crown tip reduction Cap all irrigation emitters in parkway	
			01/24/2023									High	High		Fully irrigated parkway with lawn. Trunk N-10%, S-25% SW 45%	Stop irrigation. E-4" tip, N-4" tip, S-4" tip-possible removal, W-4" tip	
34	Italian Stone Pine Pinus pinea	43	11/23/2015	74	35	crowns intertwined with tree 34 to north and tree 26 to west. no tree to south	irrigated grass, emitter 3' from trunk, hitting trunk?	2 major scaffolds, one leaning east, the other northwest. nw scaffold has horizontal seam at base	nw	Negligible	Improbable	Very Low	Low	Low	220 h st -check seam on nw scaffold - tree failed 8-10-17 due to overextended limb failure -no tree at site		
			10/29/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020													vacant site	
			01/24/2023										Low/High	Low/High	Irrigated lawn, no mulch	Retain largest western trunk, reduce 8 branches at juncture for lone leader, reduce codominant	
35	Italian Stone Pine Pinus pinea		11/23/2015										Low	Low	222/224 h st new tree Previous tree failed around 2009 did not have any issues in 2003 report - no tree at site	root grinding	
			10/29/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020													Vacant site	

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01/24/2023														222H Street is actually site. Irrigated lawn, no mulch.	Start reducing multiple branches and institute alternative spacing of branches		
36																	
37	Italian Stone Pine Pinus pinea	52	11/23/2015	78	35	crowns touching tree 24 to west, no tree to north, not touching tree 38 to south	irrigated lawn with emitters 3' from trunk on both sides. water hitting trunk?	1. Se 10% lean 2. W 35% leantwo 20" + scaffold removed	se	Severe	Possible	High	Low/High Moderate	Low/High High	224 h st. review crotch of east leaning trunk	1. se reduce e 10', reduce se 10' 2. W reduce w, n', s 15' 3. roots -reduce 1 and 2	
			10/29/2017						W	Significant	Probable	High					
			11/02/2017						soft	Severe	Probable	High					
			11/07/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020										High	High	Entire parkway irrigated with grass. Cleared root collar filled with mulch	SE scaffold-5' E crown tip reduction W scaffold- 5' W crown tip reduction Cap all irrigation emitters in parkway, clear root collar of mulch.	
01/29/2023														Low	Low	Tree failed at roots in 1/23 in irrigated parkway with grass. No internal decay base.	Grind out stump and replant. Remove irrigation and replace with mulch.
37																	
38	Italian Stone Pine Pinus pinea	20	11/23/2015	33	25		mineral deposits on lower 2 feet of trunk from irrigation hitting trunk on both sides of grass irrigated parkway	developing se lean		Significant	Improbable	Medium	Low	Low	228 h st- planted in 2002	structural pruning to offset se lean and growth, remove overhead emitters hitting trunk	
			10/29/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020										High	High	Entire parkway irrigated with grass	No pruning recommended. Cap all irrigation emitters in parkway Clear root collar	
01/29/2023														High	High	Parkway irrigated with grass. West side of tree damaged by the failure of tree 37 15% South lean	S-4" tip, E-4" tip, N-x, W-x
38																	
39	Italian Stone Pine Pinus pinea		11/23/2015										Low	Low	236 h st. south new tree site-recommended for removal in 2003. tree removed in 2013 due to 5' deep cavity in center of 4 (previously 5) scaffold tree. Not on new tree list	root grinding	
			10/29/2017														
			09/24/2018														
			10/15/2018														
			08/17/2020													Vacant site	
01/29/2023																No irrigation, mulch or lawn. North lean of leader	Offset northern lean by putting stake on the south side and pulling leader to straight position.
39																	
40	Italian Stone Pine Pinus pinea	50	11/23/2015	69	45	crowns touching tree to west at 237 h but otherwise freestanding	irrigation heads on both sides of grass parkway	1. Se50% 2. Sw45% 3. E45%	Se	Negligible	Improbable	Very Low	Low	Low	238 h st ne corner with hickory. check gall?	8-31-17 whole tree root failure - not replaced	
			10/29/2017						Sw	Negligible	Improbable	Very					
			09/24/2018						E	Severe	Possible	High					
			10/15/2018														
			08/17/2020										Low	Low	Parkway fully irrigated with grass	Raise canopy 1'. Cap all irrigation emitters in parkway, or convert to drip irrigation around tree only.	
01/29/2023														Low/High	Low/high	Parkway fully irrigated with grass	Cap spray irrigation
40																	

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41	Italian Stone Pine Pinus pinea	52	11/23/2015	75	35	crowns intertwined with tree 42 to south, no tree to west or north	surface roots, natural duff parkway, non irrigated grass	scaffolds east and west. canopy over 302 h st, 2 15" branches removed, seam at base	se	Significant	Possible	High	Low	Moderate	302 se north h st hickory corner check codominant seam at south leaning scaffold	1. SE reduce e, s 20' 2. sw reduce 15' or remove for low risk
			10/29/2017						sw	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020										Moderate	Moderate	Manually irrigated grass	SE scaffold- 5' E crown tip reduction SW scaffold- 5' W crown tip reduction
			01/29/2023										Moderate	Moderate	Manually irrigated grass. Trunk W-45%, E-45%	S-4", E-4", N-4", W-4"
41																
42	Italian Stone Pine Pinus pinea	46	11/23/2015	66	35	crowns intertwined with tree 19 to west and tree 42 to north, no tree to south	non irrigated, duff removed	3 scaffolds, one west, one south, and one se.	south	Significant	Possible	High		Moderate	306 north h st. review south scaffold seam 2009? resistograph 36" up on the southwest side thru a seam showed no indication of deterioration.	remove south scaffold, which will interfere with new tree 44
			10/29/2017										Low	Low		Tree failed 2/22/17 whole tree root failure, saturation and wind No tree at site currently
			09/24/2018													
			10/15/2018													
			08/19/2020										Low	Low	No irrigation or mulch	Raise canopy 1'
			01/29/2023										Low/High	Low/High	No irrigation or mulch, grass hand watered? Gophers in the area. Central leader topped	New leader needs staking . Remove/tips competitors to the central leader.
42																
43	Italian Stone Pine Pinus pinea		11/23/2015										Low	Low	310 h st new tree - Previous tree, one of 4 scaffolds failed in June 2009 and tree was removed	No tree at site
			10/29/2017													
			09/24/2018													
			10/15/2018													
			08/19/2020										Low	Low	No irrigation or mulch	Raise tree canopy 1'
			01/25/2023										Low/High	Low/High	Irrigation, grass, no mulch.	No central leader. Reduce 3 or 4 competitors to the a central leader and stake the primary leader so that it is straight.
43																
44	Italian Stone Pine Pinus pinea	62	11/23/2015	75	35	crowns touching east tree at 311 h st, and with tree 47 to south, no tree to north	brick parkway on north, driveway on south. curb and driveway lifted	1. Ne 45% 2. E 35% 3. Se 35% 4. Nw 35% one scaffold removed	ne	Significant	Possible	High	Low	Moderate	310 h st south tree- scaffolds moving in different directions. verify base joints	1. Ne. Reduce e 15', e 15'. Remove for low risk 2. E Reduce e 15'. Remove to 12" upright for low 3. Se reduce east 10'. Remove for low risk 4. Nw reduce w 15', reduce s 15' 5. Remove vegetation at base.
			10/29/2017						E	Severe	Possible	High				
			11/07/2017						Se	Severe	Possible	High				
			09/24/2018						Nw	Severe	Possible	High				
			10/15/2018													

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			08/19/2020										Moderate	Moderate	No irrigation or mulch. Paving stones within 5' of trunk, tripping hazard	NE scaffold- 5' E crown tip reduction E scaffold- 5' E crown tip reduction SE scaffold- 5' E crown tip reduction NW scaffold-5' W crown tip reduction Remove paving stones within 5' of trunk Clear root collar and remove poison oak in crotch	
			01/25/2023										Moderate	Moderate	310/318 H St.border tree. No irrigation or mulch. Trunk NE-45%, E-35%, SE-35%, NW-35%,	S-x, E-4", N-4", W-4"	
44	45	Italian Stone Pine Pinus pinea	58	11/23/2015	75	35	crowns intertwined with tree 45 to north and tree 47 to south, almost touching tree to west at 319 h st., canopy over houses	native duff in parkway mostly removed, curb and pavement lifted	1. S 10% 2. Ne 45% 3.Se 35%	ne	Severe	Possible	High	Moderate	Low	318/320 h st - check base due to house proximity. 2009? resistograph 40" up on the north side into old stub showed no significant decay	3. Se Reduce 15' east and s 2. Ne - reduce 15' e an n and w 1. S. Reduce w 15', 4., Clear collar, remove flowers
			10/29/2017							S e	Severe	Possible	High				
			09/24/2018							S							
			10/15/2018														
			08/19/2020											Moderate	Moderate	No irrigation, good mulch	SE scaffold-5' E and S crown tip reduction NE scaffold-5' E, W, N crown tip reduction S scaffold-5' W crown tip reduction Clear root collar and crotches
			01/25/2023											Moderate	Moderate	318 H St. tree. No irrigation, good mulch. Trunk SW-10%, NE-45%, SE-35%	S-in canopy, E-4", N-4", W-4"
45	46	Italian Stone Pine Pinus pinea	62	11/23/2015	71	35	crowns intertwined with tree 46 to north, touching tree to east at 319/323, no tree to south	mineral deposits 2 feet from base of trunk. irrigation emitters surrounding grass parkway	1. Sw 20% 2. Nw 20% 3. Central / sw 10% 4. E 15% 5. Se 35% six major branches removed	Sw 20%	Severe	Possible	High	Low	Moderate	322 h st- 2009 reduction, 2013 resistograph results, no issues at 4' up(decay at 13"), check at base	1. Sw 20% 15' reduction 2. Nw 20%. 15' reduction 3. Central/sw 10%. No recommendations 4. E 15% 15' reduction 5. Se 35% 15' reduction or remove for low risk 6. Cap irrigation/
			10/29/2017							Nw 20%	Significant	Possible	High				
			11/07/2017							Central/sw 10%	Significant	Possible	High				
			09/24/2018							E 15%	Severe	Possible	High				
			10/15/2018							Se 35%	Significant	Possible	Medium				
			08/19/2020											High	High	Full irrigation of parkway with grass	SW scaffold-5' W crown tip reduction NW scaffold-5' NW crown tip reduction Central scaffold-no recommendation E scaffold-reduce weak crotches SE scaffold-5' S and E crown tip reduction Clear root collar and crotches Cap all emitters in parkway
													High	High	No grass or mulch. Irrigation still on? Trunk SW-35%, NW-20%, Central/SW-10%, E-20%	S-4",E-4",N-in canopy, W-4"	
46																	

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47	Italian Stone Pine Pinus pinea		11/23/2015									Low	Low	326 h st new tree - Previous tree recommended for removal in 2003, tree removed in 2013 due to multiple codominant trunks with deep cavity in between. Not on new tree list.	Structural pruning of tree. Reduce soil height	
			10/29/2017													
			09/24/2018													
			10/15/2018													
			08/19/2020									Low	Low	No irrigation , no grass, no mulch	Raise crown 1'	
			01/25/2023									Low	Low	No irrigation , no grass, no mulch.	Tip codominant 2/3 up the trunk	
47																
48	Italian Stone Pine Pinus pinea	53	11/23/2015	75	35	crowns reduced on side of house, intertwined with tree 49 to south, no tree to north, just touching tree to west at 331	natural duff mostly removed, surface roots	1. east 75% 2. Nw 35% 3. Nw 35% 4 sw 35% 5 se 25%	east	Severe	Probable	High	Moderate	High	330 h street - verify east scaffold ok?	1. E. Reduce e, n, s 15' 2. Ne 35%. Reduce w15' 3. Nw 35% reduce w 10' or remove 4. Sw 35% reduce w, s 15' 5. Se 45% Reduce s, e 15' Bump curb Reduce parkway soil height by 6-12"
			10/29/2017						Nw 35%	Significant	Probable	High				
			11/07/2017						Nw 35%	Significant	Probable	High				
			09/24/2018						Sw 35%	Significant	Probable	High				
			10/15/2018						Se 25%	Severe	Probable	High				
			08/19/2020										Moderate	Moderate	No irrigation, sparse grass and sparse mulch	E scaffold- Remove lowest 10' to 2nd upright-see report, 5' E, W, N crown tip reduction NE scaffold-5' NW crown tip reduction SW scaffold-5' SW crown tip reduction SE scaffold-5' SE crown tip reduction Clear root collar and crotches
			01/25/2023										Moderate	Moderate	No irrigation, sparse grass, sparse mulch. Trunk E-45%, NW-35%, NW-35%, SW-35%, SE-	S-4", E-4", N-4", W-4"
48																
49	Italian Stone Pine Pinus pinea	71	11/23/2015	83	35	crowns intertwined with tree 49 to north, and tree 50 to south, no tree to west	native duff mostly removed	4 scaffolds, one se, one sw, one east and north, one straight/east, 2 15" branches removed at base	se	Significant	Possible	High	Low	Low	330 h st - check se scaffold junction?	Tree failed, no replacements
			10/24/2017													tree failed 5-23-16 overextended limb failure no tree at site
			09/24/2018													
			10/15/2018													
			08/19/2020										Low	Low	no irrigation or mulch	Raise crown 1'
			01/25/2023									low/high	low/high	No irrigation or mulch.	Reduce one of the codominants, and stake the other to be a straight leader	
49																
50	Italian Stone Pine Pinus pinea	54	11/23/2015	60	35	reduced on house side. crown intertwined with tree 50 to north, almost touching east tree on opposite corner, no tree to south. most of growth south	moss growing on ground from overwatering by spray irrigation on both sides of grass parkway. stones at base of tree touching trunk	1. Se 35% 2. Sw 45% 3. Nw 45% 2 scaffolds missing	se	Significant	Possible	High	Low	Moderate	105 e olive, me corner. check se scaffold for possible problems, potential root failure	1. Se. reduce e, s, 10-15' 2. Sw reduce s,e 15' 3. Nw reduce s, w 15' Cap irrigation, Remove rocks and bricks around tree Reduce parkway height soil 6-12"
			10/29/2017						Sw	Severe	Possible	High				
			09/24/2018						Nw	Significant	Possible	High				

2/8/23 Mitigation Options for Reducing Risk of South H Street Italian Stone Pines

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			10/15/2018 08/19/2020										Moderate	High	Rocks and weed cloth at base, full irrigation of parkway with grass. Resistograph candidate	SE scaffold-10' E, S crown tip reduction SW scaffold-10' S, W crown tip reduction NW scaffold-no recommendations Remove rocks and cloth within 5' of root collar and clear collar Clear crotches Cap all emitters in parkway
			11/12/2021										Moderate	Moderate		Modified tip reduction as recommended
			01/25/2023										High	High	full irrigation of parkway with grass. Trunk SE-35%,SW-45%, NW-45%	S-4", E-4", N-x, W-4"
50	Italian Stone Pine Pinus pinea		11/23/2015		1								Low	Low	400 h st - new tree planted in 2016	Structural pruning Reduce parkway height
			10/29/2017													
			09/24/2018													
			10/15/2018													
			08/19/2020										Low	Low	Grass but no irrigation or mulch	Raise crown 1'
			01/25/2023										low/high	low/high	New irrigation installed.	Reduce codominant. Remove competing branches at sam level of attachment.
51	Italian Stone Pine Pinus pinea	70	11/25/2015	66	35	red on hose side, no tree n, s inter with tree 54 and e tree 411/401	moss, overwatered grass irrigated	1. Ne 25% 2. S 45% 3.se 45% 3 scaffolds removed	Ne	Severe	Possible	High	Low	Moderate	404 h st- check me juncture.	1. Ne . Reduce n, w, e, 15' 2. S. Reduce s, w, e 10-15' 3. Sw. reduce w,s 15' Cap irrigation Remove parkway soil level 6-12"
			10/29/2017						S 45%	Significant	Possible	High				
			11/07/2017						Se	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020										High	High	Fully irrigated parkway with grass	NE scaffold--5' N, E,W crown tip reduction S scaffold-5' S, E crown tip reduction SW scaffold-5' S, W crown tip reduction Clear root collar and crotches Cap all emitters in parkway
			08/19/2020										High	High	Test 1 SE to NW 45 degree into roots shows low density wood Test 2 N to S 45 degree into roots show low density wood Test 3 N to S 6" above base show low to medium density wood	Stop all irrigation
			01/25/2023										High	High	Irrigation, grass, no mulch. Trunk NE-25%, SW-45%, SE-45%	stop irrigation. S-4", E-4", N-4", W-5"
52	Italian Stone Pine Pinus pinea	49	11/25/2015	70	35	reduced on house side, inter with tree 53 to n, 55 to s , and east tree 411 touch	native duff mostly removed no irrigation	1. Central 2. Sw 45% one scaf removed	Sw 45	Significant	Possible	High	Low	Moderate	408h st.- 2013 end weight concern and vigor issue. Check east scaffold juncture.	1. Central. Reduce n, s, e w, 15' 2. Sw 45%. Reduce e, s, w 15' or remove for low risk Reduce parkway height 6-12" Cap irrigation
			10/29/2017						Central	Severe	Possible	High				
			09/24/2018													
			10/15/2018													

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			08/19/2020										Moderate	Moderate	Irrigation off, dead grass, some mulch	Central scaffold-5' E, S crown tip reduction SW scaffold- 5' S, W crown tip reduction Clear root collar and crotches
													Moderate	Moderate	irrigation off, dead grass, no mulch. E-45%, W-45%, SW-45%	S-in canopy, E-4", N-in canopy, W-4"
53																
54	Italian Stone Pine Pinus pinea	46	11/25/2015	65	35	reduced on house side. inter with tree 54 to n, 56 to south, not touching tree to east at 415/411	moss overwatered grass spray irrigation 1 one side of lparkway	1. Central/ne 45% 2. Sw 45% 2 old branches removed, burl, sw scap twisted	se	Significant	Possible	High	Low	Moderate	412 h st. - check base of se scap	1. Central/ne . Reduce n,e, s, w 15' 2. Sw . Reduces, w 15' Reduce parkway level 6-12" Cap irrigation
			10/29/2017						Central /se	Severe	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020										Moderate	High	Active irrigation, some grass and mulch	Central scaffold-5' E crown tip reduction SW scaffold-5' W crown tip reduction Clear root collar and crotches Cap all emitters in parkway
													high	high	Active irrigation, some grass and mulch. Trunk Central/ne-45%, sw-45%, ne 45%	S-4", E-4", N-4", W-4"
54																
55	Italian Stone Pine Pinus pinea	51	11/25/2015	68	35	inter tree 55 to n, tree 57 to s, and touching east tree at 415	414 side over irrigated with toadstools., 420 side native duff	1. Central/10% e 2. W 35% 3. Sw 35% cavity at base, decay suspected	Central/10% e	Significant	Possible	High	Low	Moderate	414/420 h st - check decay at base	1. Central/ e 10%. Reduce n, e, 15' 2. W 35%. Reduce 15' w,n., s or remove for low risk 3. Sw 35%. Reduce 10' n,s,w, or remove for low risk Reduce parkway 6-12"
			10/26/2017						W 35%	Significant	Possible	High				
			10/29/2017						Dead 35%	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020										Moderate	High	irrigated parkway with grass	Central scaffold-no recommendation W scaffold- 5' W crown tip reduction Clear root collar and crotches Cap all emitters in parkway
													High	High	irrigated parkway with grass. trunk-central 10%e,W-35%	S-in canopy, E-4", N-x, W-4"
55																
56	Italian Stone Pine Pinus pinea	47	11/25/2015	70	35	inter tree 56 to n, tree 58 to s, touching west tree at 423 h reductions n house side	broken concrete around base	1. E35% 2. N 35% 3. Central 2 old removed	e 35%	Severe	Possible	High	Low	Moderate	426 h st - check e scap juncture	1. E 35%. Reduce n, e 15', or remove for low risk 2. N 35%. Reduce n, w 15' or remove for low risk 3. Central. Reduce n,w,e,s 10' Remove concrete in parkway Reduce soil height 6-12"
			10/29/2017						N 35%	Significant	Possible	High				
			11/07/2017						Central	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020										Moderate	High	No irrigation or mulch	E scaffold- 5' N, E crown tip reduction S scaffold-5' N crown tip reduction Central scaffold- 5' W crown tip reduction Clear root collar and crotches.

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01/25/2023										High	High	no irrigation or mulch. E scaffold lean. E-35%, N-35%, central	S-x,E-reduce to last upright, N-in canopy, W-4"			
56																
57	Italian Stone Pine Pinus pinea	61	11/25/2015	69	35	reduced on house side, inter with tree 57 on north, tree 59 on s, not touching e tree at 429	surface roots, bare ground	1. Se 15% 2. S 35% 3. Sw 35% 4. Nw 10% one scaf removed	Se 15%	Severe	Probable	High	Moderate	High	430 h st - check base of e scaf. 2009? resistograph 4' up the east side angled into the crotch showed no indications of decay	1. Se 15%. Reduce n,e,s 15' 2. S 35%. Reduce s, e 15' 3. Sw 35%. Reduce s, w 15' 4. Nw 10%. Reduce w 10' Reduce soil level 4"
			10/29/2017						S 35%	Significant	Possible	High				
			11/07/2017						Sw 35%	Severe	Possible	High				
			09/24/2018						Nw 10%	Significant	Possible	High				
			10/15/2018													
			08/19/2020									Moderate	High	no irrigation or mulch	SE scaffold-5' S, E crown tip reduction S scaffold-5' S crown tip reduction SW scaffold-5' S crown tip reduction NW scaffold-no recommendations Clear root collar and crotch	
01/25/2023										high	High	no irrigation or mulch, eastern scaffold issue. SE-25%, S-35%, SW35%, ne-10%	S-4",E-reduce to sidewalk, N-x, W4"			
57																
58	Italian Stone Pine Pinus pinea	46	11/25/2015	67	35	inter tree 58 to n,tree 60 to s, not touching e tree at429 h. canopy over house	juniper against trunk, otherwise bare soil	1. Central 2. Ne 45% one scaf removed	ne	Severe	Possible	High	Low	Moderate	434 h st - check se scaf juncture	1. Central. Reduce w 15' 2. Ne 45%. Reduce e 20', remove for low risk 3. Remove junipers at base 4. Reduce soil 6"
			10/29/2017						Central	Significant	Possible	High				
			09/24/2018													
			10/15/2018													
			08/19/2020									Moderate	High	Junipers, no irrigation or mulch	Central scaffold-5'W crown tip reduction NE scaffold-15' E crown tip reduction Clear root collar and remove adjacent junipers, clear crotch	
			11/12/2021												Modified tip reduction as recommended	
01/25/2023										high	high	no irrigation or mulch. . no junipers. Trunk central, NE 45%	S-in canopy, E-reduce to sidewalk, n-in canopy, W-4'			
58																
59	Italian Stone Pine Pinus pinea	45	11/25/2015	70	35	inter tree 59 n, touching tree 2 to east, not touching tree 61 s.	surface roots, native duff in parkway	1. Ne 15% 2. Se 15% one scaf removed	Ne	Severe	Possible	High	Low	Moderate	436 h st - check jncture, planted 1985-95	1. Ne 15%. n and e reduce 10' 2. Se 15% s and e reduce 15' 3. Remove parkway soil to base of tree 4, remove 2' of sidewalk for roots
			10/29/2017						Se	Severe	Possible	High				
			11/07/2017													
			09/24/2018													
			10/15/2018													
			08/19/2020									Moderate	Moderate	No irrigation or mulch	NE scaffold-5' N crown tip reduction SE scaffold- 5' S, E, crown tip reduction Clear root collar and crotches	
01/25/2023										Moderate	Moderate	No irrigation or mulch. NE-30%, SE 30%	S-4",E-back to sidewalk, N-in canopy, W-4"			
59																
60	Italian Stone Pine Pinus pinea	36	11/25/2015	55	25	not touching any other canopies	native duff not irrigated	2. se 15% 1. Se 45%	Se 45%	Severe	Possible	Medium	Low	Low	review juncture 436 h st.	1. Se 45%.. 15' reduction. Remove for low risk 2. Se 15%. No recommendations if se 45% recommendations implemented.
			10/29/2017						Se 15%	Severe	Possible	Medium				
			09/24/2018													

