**HELIX Environmental Planning, Inc.** 

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July 14, 2021

Project 00022.00008.001

Mr. Michael D'Ambrosia Alexandria Real Estate Equities 10996 Torreyana Road, Suite 250 San Diego, CA 92121

Subject: Tree Survey Report for the One Alexandria North Project (PTS-0691942)

Dear Mr. D'Ambrosia:

At the request of Alexandria Real Estate Equities and on behalf of the City of San Diego (City), HELIX Environmental Planning, Inc. (HELIX) has prepared this report to document the results of a tree survey for the One Alexandria North Project (project), which is proposed in the City of San Diego, San Diego County, California. The purpose of the survey was to inventory all of the Torrey pine (*Pinus torreyana*) trees with a trunk diameter of at least 4 inches at 54 inches above natural grade occurring within, directly abutting, and adjacent to the property to determine tree health, impact, and retention potential as it relates to the project.

This letter report summarizes the methods and results; the report includes a figure that depicts the location for the trees surveyed along with recommendations for avoidance and tree protection measures to abate and/or remove potential impacts to arboricultural resources.

## PROJECT LOCATION AND DESCRIPTION

The approximately 11.4-acre One Alexandria North project site is located in the Torrey Pines community in the City of San Diego, San Diego County, California (Figure 1, *Regional Location*). It lies within an unsectioned portion of Township 14 South, Range 4 West of the Del Mar U.S. Geological Survey (USGS) 7.5-minute quadrangle map (Figure 2, *USGS Topography*). The site is generally located east of the Pacific Ocean, west of Interstate 5, south of Del Mar, and north of La Jolla (Figure 1). The site is specifically located at 11255 and 11355 North Torrey Pines Rd, La Jolla, CA 92037 (Accessor's Parcel Numbers [APNs] 310-110-13-00 and 310-110-14-00), west of Torrey Pines State Reserve (Figure 3, *Aerial Photograph*). The project consists of the redevelopment of the current National University - La Jolla, California Academic Headquarters into a two-building research and development campus, with supporting amenity uses and parking structure.

#### **METHODS**

HELIX International Society of Arboriculture (ISA) Certified Arborist, Alexander Walsh (WE-12997A) completed the tree survey between January 4 and January 6, 2021. All Torrey pines surveyed had a trunk diameter of at least 4 inches at 54 inches above natural grade and are occurring within, directly abutting, and adjacent to the project footprint. Each tree was located with sub-meter accuracy using a Global Positioning System unit.

The following data was collected for each tree:

- Average tree canopy spread;
- Tree height;
- Tree trunk diameter at 54" above natural grade; diameter at breast height (DBH); and
- Tree health and vigor.

### **RESULTS**

During the arborist survey, 213 Torrey pines were mapped within, directly abutting, and adjacent to the project footprint (Figure 4, *Tree Locations*). Of the 213 Torrey pines that were surveyed within, directly abutting, and adjacent to the project footprint, 101 are categorized as ornamental trees, based on a review of historic aerial photographs (Historic Aerials 2021), that show that the majority of the site was graded between 1978 and 1980. As shown in Figure 5, *1980 Aerial*, the majority of the site was graded and devoid of vegetation, specifically trees. HELIX mapped the areas within Figure 5 that were devoid of vegetation and compared them to the location of the mapped trees in Figure 4.

The remaining 112 trees are considered naturally occurring Torrey pine trees as these trees occur outside of the limits of disturbance shown in Figure 5. Of the 112 remaining Torrey pine trees, 22 are determined to be irrigated due to their proximity to the project site, while the remaining 90 are not irrigated. These naturally-occurring Torrey pines, irrigated and not irrigated, occur along the northwestern portion of the project site. A map depicting the location of each tree and whether it is categorized as natural (including irrigated) or ornamental is included in Figure 4. A health rating was given to each tree. The four categories used include: Good, Fair, Poor, or Dead. All trees were determined to be in good health. None of the trees surveyed exhibited signs of stress, such as wilting or yellowing and browning of the needles. The results of the tree survey are included as Attachment A, *Tree Survey Results*. Representative site and tree photographs are included as Attachment B, *Representative Site Photos*.

#### IMPACTS AND RETENTION POTENTIAL

The 101 ornamental Torrey pines are not considered sensitive resources, and thus project-related impacts to these trees do not require mitigation. The 112 naturally occurring Torrey pines are considered sensitive resources; however, the majority occur outside of the property boundary in the northwestern portion of the study area. Figure 4 depicts a cluster of eight naturally occurring trees in the central northern portion of the project site that fall within the project boundary. These trees occur



above the grade of the adjacent developed area and are contained by a large retaining wall. The project has been specifically planned to avoid impacts to naturally-occurring (including irrigated) Torrey pines within the project site and vicinity; therefore, the project does not anticipate impacts to any of the naturally-occurring Torrey pine trees.

### RECOMMENDATIONS FOR AVOIDANCE AND PROTECTION

It has been determined that the eight naturally occurring trees that occur on-site would be avoided during project construction. In order to protect trees within the vicinity of a construction site, it is recommended to avoid the critical root zone (CRZ) of each naturally occurring (including irrigated) Torrey pine. The CRZ is also known as the Tree Protection Zone (TPZ), which is typically defined as a circle on the ground corresponding to the dripline of the tree. In the TPZ, the soil will be protected from compaction, critical roots are not damaged by pruning, trenching, or excessive grade changes, and trunk and branches are not damaged by equipment or workers. A TPZ helps ensure that a tree is protected during construction, has enough space for root and branch growth, and will receive adequate supplies of soil nutrients, air, and water.

Although the dripline can be irregular and hard to define, an alternative method for determining the CRZ is to multiply the diameter (DBH) of the tree (in inches) by 12. A common practice for construction projects with trees designated for preservation is to place orange snow fencing approximately 6 to 10 feet out from the dripline, as an additional buffer since the CRZ can actually extend well beyond the canopy dripline, depending on tree size.

In addition, instead of raking up the fallen needles, allow them to lie where they fall on top of the ground surrounding the tree. This long-lasting, natural mulch helps to preserve moisture in the soil, hinders weeds, and is beneficial to the Torrey pine.

## CONCLUSION

In conclusion, a tree survey was completed to document existing Torrey pine trees within, directly abutting, and adjacent to the project footprint for the One Alexandria North Project. The tree location, health, trunk diameter, and canopy spread were inventoried to help determine impact and retention potential as it relates to the project. All 213 Torrey pines surveyed were determined to be in good health, 112 trees were determined to be naturally occurring, while 101 trees were determined to be ornamental landscaped trees according to a review of historical aerial imagery, including a 1980 aerial photograph that showed that the majority of the site had been graded and was devoid of vegetation.

The project has been specifically designed to avoid impacts to all naturally occurring (including irrigated) Torrey pines. In order to protect the native trees during construction, it is recommended that orange snow fencing be installed around the TPZ, extending 6 to 10 feet beyond the dripline in a circle around the avoided naturally-occurring trees.



We appreciate the opportunity to provide you with this tree survey. Should you have any questions or require additional information, please do not hesitate to contact me at (619) 730-5780 or <a href="mailto:AlexanderW@helixepi.com">AlexanderW@helixepi.com</a>, or Katie Bellon at (858) 395-7397 or <a href="mailto:KatieB@helixepi.com">KatieB@helixepi.com</a>.

Sincerely,

Alexander Walsh

ISA Certified Arborist (WE-12997A)

**Biologist** 

#### **Attachments:**

Figure 1: Regional Location
Figure 2: USGS Topography
Figure 3: Aerial Photograph
Figure 4: Tree Locations
Figure 5: 1980 Aerial

Attachment A: Tree Survey Results

Attachment B: Representative Site Photos



## **REFERENCES**

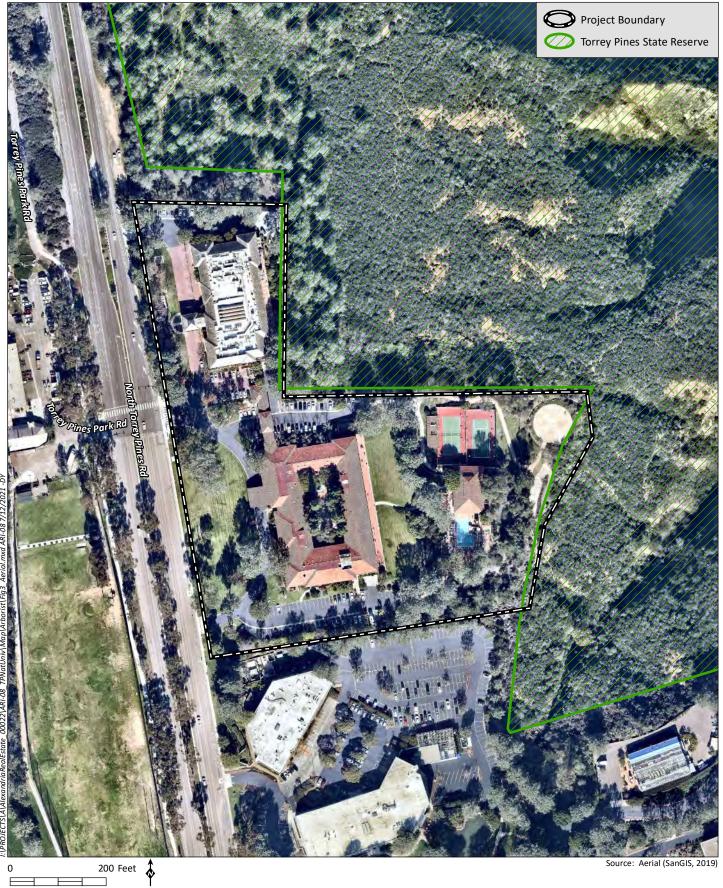
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- International Society of Arboriculture. International Society of Arboriculture, P.O. Box GG, Savoy, IL 61874-9902. (217) 355-9681. 1998. *Trees in Development*. (A professional's guide to preserving trees in development.)
- HistoricAerials.com. 2021. <a href="https://www.historicaerials.com/">https://www.historicaerials.com/</a>. 1980. 11255 and 11355 North Torrey Pines Road, San Diego, CA 92121.

History and Care of the Torrey Pine. Pat Welsh, Organic and Southern California Gardening.

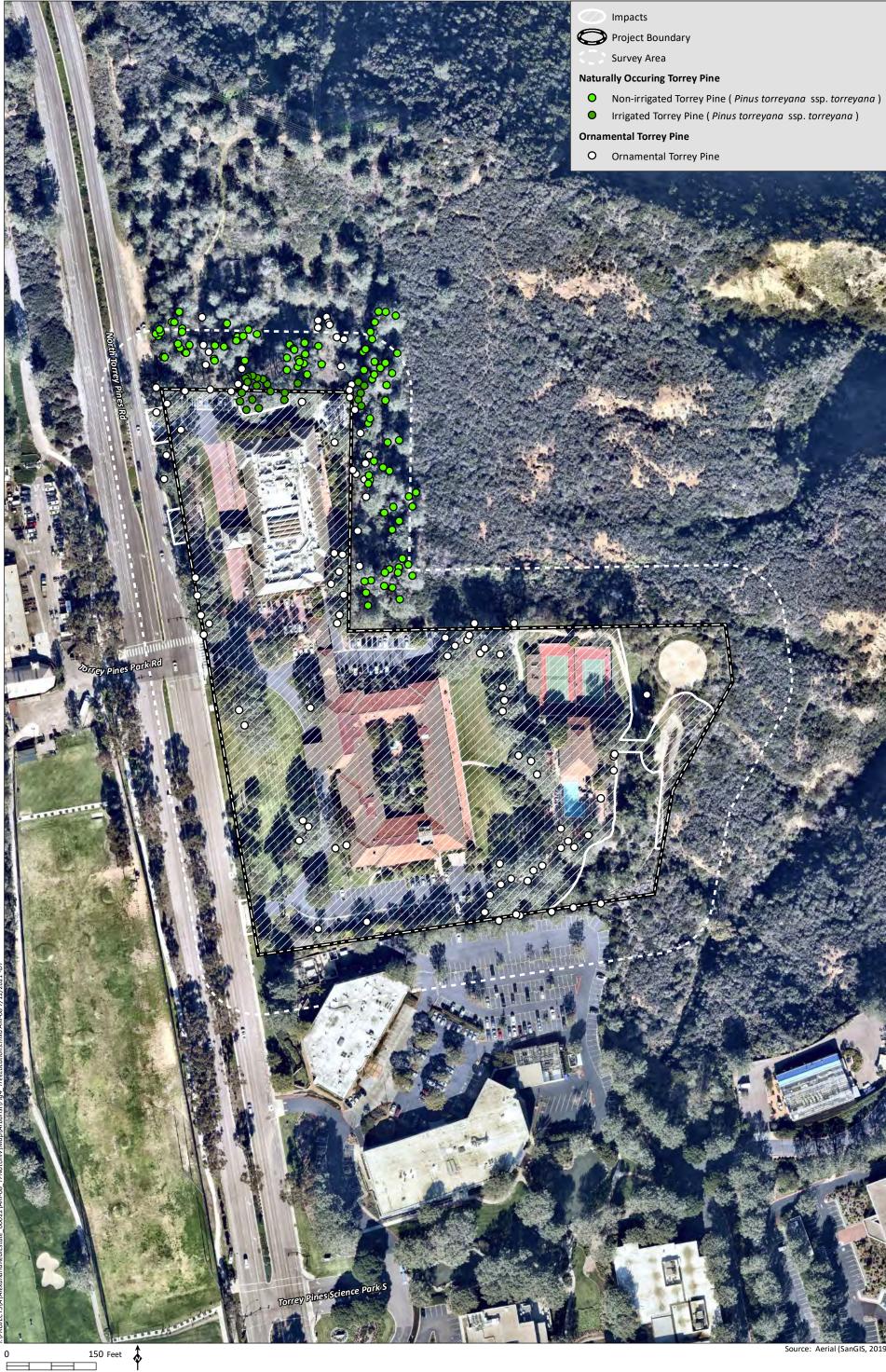




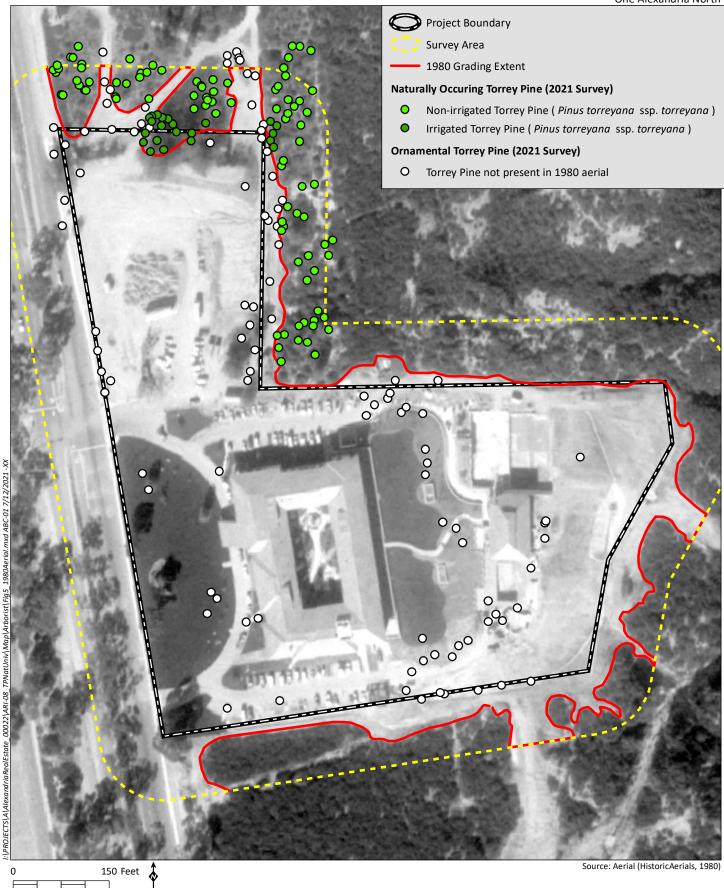








HELIX Environmental Plan



# Appendix A Tree Survey Results

Tree ID #	CommonNamo	SciNamo	DateObs I	DBU (inches	\ Hoight (ft)	Drinling (canony width)	Health/Vigor (Good Fair Boor Dood)
	CommonName Torrey pine	SciName Pinus Torreyana	1/4/21	DBH (inches 24.5	Height (ft)	Dripline (canopy width) 20	Health/Vigor (Good, Fair, Poor, Dead) good
	Torrey pine	Pinus Torreyana	1/4/21	23	50	25	good
	Torrey pine	Pinus Torreyana	1/4/21	24	50	30	good
	Torrey pine	Pinus Torreyana	1/4/21	24.5	50	40	good
	Torrey pine	Pinus Torreyana	1/4/21	31	50	40	good
	Torrey pine	Pinus Torreyana	1/4/21	22.5	45	30	good
	Torrey pine	Pinus Torreyana	1/4/21	11.5	25	20	good
	Torrey pine	Pinus Torreyana	1/4/21	22	60	30	good
	Torrey pine	Pinus Torreyana	1/4/21	11	45	20	good
10	Torrey pine	Pinus Torreyana	1/4/21	21	55	30	good
11	Torrey pine	Pinus Torreyana	1/4/21	13.5	50	25	good
12	Torrey pine	Pinus Torreyana	1/4/21	14.5	50	25	good
13	Torrey pine	Pinus Torreyana	1/4/21	28.5	45	50	good
14	Torrey pine	Pinus Torreyana	1/4/21	13	50	25	good
15	Torrey pine	Pinus Torreyana	1/4/21	11.5	55	20	good
16	Torrey pine	Pinus Torreyana	1/4/21	10.5	50	15	good
	Torrey pine	Pinus Torreyana	1/4/21	7.5	45	10	good
	Torrey pine	Pinus Torreyana	1/4/21	22	50	40	good
	Torrey pine	Pinus Torreyana	1/4/21	21	55	30	good
	Torrey pine	Pinus Torreyana	1/4/21	19	55	30	good
	Torrey pine	Pinus Torreyana	1/4/21	13	50	20	good
	Torrey pine	Pinus Torreyana	1/4/21	15	55	15	good
	Torrey pine	Pinus Torreyana	1/4/21	18.5	45	30	good
	Torrey pine	Pinus Torreyana	1/4/21	9.5	25	25	good
	Torrey pine	Pinus Torreyana	1/4/21	20	50	35	good
	Torrey pine	Pinus Torreyana	1/4/21 1/4/21	15.5 13.5	55 45	30 25	good
	Torrey pine	Pinus Torreyana				30	good
	Torrey pine Torrey pine	Pinus Torreyana Pinus Torreyana	1/4/21 1/4/21	20 5.5	50 20	10	good good
	Torrey pine	Pinus Torreyana	1/4/21	28.5	55	40	good
	Torrey pine	Pinus Torreyana	1/4/21	16.5	40	30	good
	Torrey pine	Pinus Torreyana	1/4/21	6	35	10	good
	Torrey pine	Pinus Torreyana	1/4/21	28	50	30	good
	Torrey pine	Pinus Torreyana	1/4/21	10.5	40	20	good
		Pinus Torreyana	1/4/21	25.5	60	30	good
	Torrey pine	Pinus Torreyana	1/4/21	12.5	50	20	good
	Torrey pine	Pinus Torreyana	1/4/21	15.5	50	20	good
	Torrey pine	Pinus Torreyana	1/4/21	9.5	40	15	good
	Torrey pine	Pinus Torreyana	1/4/21	6	30	15	good
40	Torrey pine	Pinus Torreyana	1/4/21	22	50	20	good
41	Torrey pine	Pinus Torreyana	1/4/21	17	48	22	good
42	Torrey pine	Pinus Torreyana	1/4/21	15.5	45	15	good
43	Torrey pine	Pinus Torreyana	1/4/21	7.5	30	15	good
44	Torrey pine	Pinus Torreyana	1/4/21	22	50	30	good
45	Torrey pine	Pinus Torreyana	1/4/21	14.5	40	30	good
	Torrey pine	Pinus Torreyana	1/4/21	17.5	45	25	good
	Torrey pine	Pinus Torreyana	1/4/21	20	50	25	good
	Torrey pine	Pinus Torreyana	1/4/21	14	50	20	good
	Torrey pine	Pinus Torreyana	1/4/21	12.5	45	20	good
	Torrey pine	Pinus Torreyana	1/4/21	20.5	50	25	good
	Torrey pine	Pinus Torreyana	1/4/21	11.5	45	12	good
	Torrey pine	Pinus Torreyana	1/4/21	13	50	15	good
	Torrey pine	Pinus Torreyana	1/4/21	23	50	30	good
	Torrey pine	Pinus Torreyana Pinus Torreyana	1/4/21	19	50 50	25	good
	Torrey pine Torrey pine	Pinus Torreyana Pinus Torreyana	1/4/21 1/4/21	14.5 29.5	55	20 45	good good
	Torrey pine Torrey pine	Pinus Torreyana Pinus Torreyana	1/4/21	29.5 15	50	45 15	good
	Torrey pine	Pinus Torreyana	1/4/21	16	40	15	good
	Torrey pine	Pinus Torreyana	1/4/21	18	45	25	good
	Torrey pine	Pinus Torreyana	1/4/21	9	40	10	good
	Torrey pine	Pinus Torreyana	1/4/21	16.5	40	30	good
	Torrey pine	Pinus Torreyana	1/4/21	11	40	15	good
	Torrey pine	Pinus Torreyana	1/4/21	10	50	20	good
	Torrey pine	Pinus Torreyana	1/4/21	19.5	45	30	good
	Torrey pine	Pinus Torreyana	1/4/21	10	40	15	good
	Torrey pine	Pinus Torreyana	1/4/21	12	40	30	good
	Torrey pine	Pinus Torreyana	1/4/21	13	15	20	good
	Torrey pine	Pinus Torreyana	1/4/21	11	45	20	good
	Torrey pine	Pinus Torreyana	1/4/21	11.5	45	20	good
70	Torrey pine	Pinus Torreyana	1/4/21	10	45	20	good
71	Torrey pine	Pinus Torreyana	1/4/21	15	45	12	good
72	Torrey pine	Pinus Torreyana	1/4/21	16	40	15	good
	Torrey pine	Pinus Torreyana	1/4/21	17.5	40	20	good
	Torrey pine	Pinus Torreyana	1/4/21	20	35	40	good
	Torrey pine	Pinus Torreyana	1/4/21	14.5	40	25	good
	Torrey pine	Pinus Torreyana	1/4/21	19	40	30	good
77	Torrey pine	Pinus Torreyana	1/4/21	13.5	37	15	good
	i <del>-</del>	IDiana Tamana	1/4/21	13	40	20	good
	Torrey pine Torrey pine	Pinus Torreyana Pinus Torreyana	1/4/21	6	20	15	good

# Appendix A Tree Survey Results

19	Troo ID #	CommonNamo	SciNamo	DateObs	DBU (inches	\ Hojaht (ft)	Drinling (canony width)	Health/Vigor/Good Fair Boor Doad)
St.   Torrey pine   Private Torreyants   14/421   7.3   3.0   15   200	Tree ID #	CommonName	SciName Pinus Torrevana		DBH (inches	<u>,                                      </u>	Dripline (canopy width)	Health/Vigor (Good, Fair, Poor, Dead)
Best   Correy pine   Power Torreyand   14421   21   40   26   20   20   20   20   34   35   35   35   35   35   35   35								
64  Torrey pine   Pinus Torreyann   1462  6   30   10   10   10   10   10   10   10								
Best   Torrey price   Prices   Torreyann   14/22    Best   10				1/4/21	12.5	40	20	
Bell Torrey pine   Polius Torreyann   14(2)   8 5   30   15   9   90	84	Torrey pine	Pinus Torreyana	1/4/21	6	30	10	good
APT TOTYPY prince   Prince Torreyman   1,4201   7   35   15   30   30   30   30   30   30   30   3	85	Torrey pine	Pinus Torreyana					good
Best   Terresport   Prince   Terresport   14/21   21   50   40   900d								
Bell Torrey pine		· ' '						
Section   Sect								
Section   Sect								
Sections   Prince		- '						
SST Torsey pine   Pinus Torreywant   15/21   10   50   20   990d   SST Torrey pine   Pinus Torreywant   15/21   10   50   20   990d   SST Torrey pine   Pinus Torreywant   15/21   14   50   15   990d   SST Torrey pine   Pinus Torreywant   15/21   14   50   15   990d   SST TORREY PINE   Pinus Torreywant   15/21   14   50   15   990d   SST TORREY PINE   Pinus Torreywant   15/21   14   50   12   990d   SST TORREY PINE   Pinus Torreywant   15/21   14   50   12   990d   SST TORREY PINE   Pinus Torreywant   15/21   13   5   60   12   990d   SST TORREY PINE   Pinus Torreywant   15/21   15   5   20   990d   SST TORREY PINE   Pinus Torreywant   15/21   15   5   5   20   990d   SST TORREY PINUS P								
Section   Part   Torreyand   15/21   10   50   20   50   50   50   50   50   5		- '						
Sept   Torrey pine   Pinus Torreyana   15/21   14   50   15   50   50   50   50   50   50								
Forey pine   Pinus Torreyana   15921   9   45   10   900d						50		· ·
September   Parts Torregana   15/21   13.5   60   22   990d	96	Torrey pine	Pinus Torreyana	1/5/21	14	50	25	good
Part   Part   Part   Torreyane   1/521   11   55   20   20   20   20   20   20   20	97	Torrey pine	Pinus Torreyana	1/5/21	9	45		good
100   Torrey pine   Prius Torreyana   1/521   12.5   55   18   8   good   101   Torrey pine   Prius Torreyana   1/521   27.5   70   40   9.00d   102   Torrey pine   Prius Torreyana   1/521   27.5   70   40   9.00d   103   Torrey pine   Prius Torreyana   1/521   27.5   70   40   9.00d   104   Torrey pine   Prius Torreyana   1/521   15   55   30   9.00d   104   Torrey pine   Prius Torreyana   1/521   15   55   20   9.00d   105   Torrey pine   Prius Torreyana   1/521   21.5   65   30   9.00d   106   Torrey pine   Prius Torreyana   1/521   21.5   65   30   9.00d   107   Torrey pine   Prius Torreyana   1/521   21.5   65   30   9.00d   108   Torrey pine   Prius Torreyana   1/521   21.5   65   30   9.00d   108   Torrey pine   Prius Torreyana   1/521   18   60   30   9.00d   108   Torrey pine   Prius Torreyana   1/521   18   60   22   9.00d   108   Torrey pine   Prius Torreyana   1/521   18   60   22   9.00d   109   100		Torrey pine						good
101   Torrey pine   Pinus Torreyana   1/521   27.5   70   40   9.00								
102   Torrey pine   Pinus Torreyans   1/621   27.5   70   40   900d     104   Torrey pine   Pinus Torreyans   1/621   15   55   30   900d     105   Torrey pine   Pinus Torreyans   1/621   15   55   20   900d     106   Torrey pine   Pinus Torreyans   1/621   20.5   60   20   900d     107   Torrey pine   Pinus Torreyans   1/621   21.5   65   30   900d     108   Torrey pine   Pinus Torreyans   1/621   21.5   65   30   900d     109   Torrey pine   Pinus Torreyans   1/621   18   60   30   900d     109   Torrey pine   Pinus Torreyans   1/621   18   60   30   900d     109   Torrey pine   Pinus Torreyans   1/621   18   60   30   900d     109   Torrey pine   Pinus Torreyans   1/621   2   6   60   40   900d     110   Torrey pine   Pinus Torreyans   1/621   2   6   60   40   900d     111   Torrey pine   Pinus Torreyans   1/621   2   6   60   40   900d     112   Torrey pine   Pinus Torreyans   1/621   17   60   16   900d     113   Torrey pine   Pinus Torreyans   1/621   15   5   60   20   900d     114   Torrey pine   Pinus Torreyans   1/621   15   5   60   20   900d     115   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     116   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     117   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     118   Torrey pine   Pinus Torreyans   1/621   11   45   15   900d     119   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     119   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     119   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     119   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     119   Torrey pine   Pinus Torreyans   1/621   10   5   45   15   900d     119   Torrey pine   Pinus Torreyans   1/621   10   5   45   15   900d     120   Torrey pine   Pinus Torreyans   1/621   10   5   45   15   900d     121   Torrey pine   Pinus Torreyans   1/621   10   40   20   900d     122   Torrey pine   Pinus Torreyans   1/621   10   40   25   900d     123   Torrey pine   Pinus Torreyans   1/621   1								· ·
103  Torrey pine   Pinus Torreyans   19521   23   55   30   30   30   30   30   30   3		· ' '						
105  Torrey pine   Pinus Torreyans   15/21   15   55   20   good   106  Torrey pine   Pinus Torreyans   15/21   21.5   65   30   good   106  Torrey pine   Pinus Torreyans   15/21   21.5   65   30   good   20   good   108  Torrey pine   Pinus Torreyans   15/21   18   60   20   good   20   goo								· ·
105  Torrey pine   Pinus Torreyans   15/21   20.5   60   20   30   30   30   30   30   30   3		7 1						
100   Torrey pine   Pinus Torreyane   1/5/21   21.5   65   30   30   30   30   30   30   30   3								
107   Torrey pine   Pinus Torreyana   115/21   20   60   20   900d   900d   108   Torrey pine   Pinus Torreyana   115/21   18   60   25   900d   900d   110   Torrey pine   Pinus Torreyana   115/21   18.5   60   25   900d   9		· ' '						
108  Torrey pine   Pinus Torreyana   115/21   18.5   60   25   900d   109  Torrey pine   Pinus Torreyana   115/21   27   60   40   900d   900d   112  Torrey pine   Pinus Torreyana   115/21   27   60   40   900d   900d   112  Torrey pine   Pinus Torreyana   115/21   17   60   15   900d   900d   112  Torrey pine   Pinus Torreyana   115/21   17   60   15   900d   900d   114  Torrey pine   Pinus Torreyana   115/21   15   50   60   20   900d   900d   114  Torrey pine   Pinus Torreyana   115/21   16   25   10   900d   900d   115  Torrey pine   Pinus Torreyana   115/21   10   40   20   900d   116  Torrey pine   Pinus Torreyana   115/21   10   40   20   900d   116  Torrey pine   Pinus Torreyana   115/21   11   45   15   900d   118  Torrey pine   Pinus Torreyana   115/21   11   45   15   900d   118  Torrey pine   Pinus Torreyana   115/21   11   45   15   900d   118  Torrey pine   Pinus Torreyana   115/21   14   45   20   900d   119  Torrey pine   Pinus Torreyana   115/21   14   45   20   900d   120  Torrey pine   Pinus Torreyana   115/21   16   45   15   900d   122  Torrey pine   Pinus Torreyana   115/21   18   55   20   900d   122  Torrey pine   Pinus Torreyana   115/21   8   55   20   900d   122  Torrey pine   Pinus Torreyana   115/21   10   40   25   900d   122  Torrey pine   Pinus Torreyana   115/21   10   40   25   900d   123  Torrey pine   Pinus Torreyana   115/21   10   40   25   900d   124  Torrey pine   Pinus Torreyana   115/21   17   45   25   900d   124  Torrey pine   Pinus Torreyana   115/21   17   45   25   900d   125  Torrey pine   Pinus Torreyana   115/21   17   45   25   900d   126  Torrey pine   Pinus Torreyana   115/21   17   45   25   900d   126  Torrey pine   Pinus Torreyana   115/21   13   45   25   900d   128  Torrey pine   Pinus Torreyana   115/21   15   55   20   900d   128  Torrey pine   Pinus Torreyana   115/21   15   55   20   900d   128  Torrey pine   Pinus Torreyana   115/21   15   55   20   900d   129  Torrey pine   Pinus Torreyana   115/21   15   55   25   900d   129  Torrey pine   Pinus								
100   Torrey pine   Pinus Torreyana   115/21   18.5   60   25   900d   900d   110   Torrey pine   Pinus Torreyana   115/21   27   60   40   900d   900d   111   Torrey pine   Pinus Torreyana   115/21   17   60   15   900d   900d   112   Torrey pine   Pinus Torreyana   115/21   15.5   60   40   900d		· ' '						
111   Torrey pine	109	Torrey pine	Pinus Torreyana	1/5/21	18.5	60	25	good
112   Torrey pine	110	Torrey pine	Pinus Torreyana	1/5/21	27	60	40	good
113   Torrey pine	111	Torrey pine	Pinus Torreyana					good
114  Torrey pine								,
115  Torrey pine		• • •						
116   Torrey pine   Pinus Torreyana   115/21   77   40   15   500   500   118   117   Torrey pine   Pinus Torreyana   115/21   11   45   55   500   500   118   Torrey pine   Pinus Torreyana   115/21   14   45   20   500   500   119   Torrey pine   Pinus Torreyana   115/21   10.5   45   115   500   500   121   Torrey pine   Pinus Torreyana   115/21   18.5   45   12   500   500   121   Torrey pine   Pinus Torreyana   115/21   10   40   25   500								
11/1   Torrey pine								
118   Torrey pine   Pinus Torreyana   115/21   14   45   20   good								,
119  Torrey pine								Ÿ
120 Torrey pine								,
122   Torrey pine   Pinus Torreyana   115/21   10   40   25   good   123   Torrey pine   Pinus Torreyana   115/21   10   30   15   good   124   Torrey pine   Pinus Torreyana   115/21   17   45   25   good   125   Torrey pine   Pinus Torreyana   115/21   22   50   30   good   126   Torrey pine   Pinus Torreyana   115/21   22   50   30   good   126   Torrey pine   Pinus Torreyana   115/21   22.5   45   25   good   127   Torrey pine   Pinus Torreyana   115/21   23.5   50   30   good   127   Torrey pine   Pinus Torreyana   115/21   23.5   50   30   good   128   Torrey pine   Pinus Torreyana   115/21   23.5   50   30   good   129   Torrey pine   Pinus Torreyana   115/21   33   60   40   good   130   Torrey pine   Pinus Torreyana   115/21   15.5   50   30   good   131   Torrey pine   Pinus Torreyana   115/21   15.5   50   30   good   131   Torrey pine   Pinus Torreyana   115/21   17.5   55   25   good   132   Torrey pine   Pinus Torreyana   115/21   17.5   55   25   good   133   Torrey pine   Pinus Torreyana   115/21   18   55   25   good   133   Torrey pine   Pinus Torreyana   115/21   12   40   18   good   134   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   136   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   136   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   137   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   137   Torrey pine   Pinus Torreyana   115/21   14   40   16   good   138   Torrey pine   Pinus Torreyana   115/21   13   45   12   good   140   Torrey pine   Pinus Torreyana   115/21   14   40   16   good   140   Torrey pine   Pinus Torreyana   115/21   14   45   12   good   141   Torrey pine   Pinus Torreyana   115/21   14   45   12   good   141   Torrey pine   Pinus Torreyana   115/21   14   45   12   good   141   Torrey pine   Pinus Torreyana   115/21   14   45   15   good   141   Torrey pine   Pinus Torreyana   115/21   15   45   14   good   148   Torrey pine   Pinus Torreyana   115/21   15   45   22   good   148   Torrey pine   Pinus T								=
123   Torrey pine   Pinus Torreyana   115/21   10   30   15   30   30   30   30   30   30   30   3	121	Torrey pine	Pinus Torreyana	1/5/21	8	35	20	good
124   Torrey pine   Pinus Torreyana   1/5/21   17   45   25   good   125   Torrey pine   Pinus Torreyana   1/5/21   22   50   30   good   30   good   126   Torrey pine   Pinus Torreyana   1/5/21   20.5   45   25   good   127   Torrey pine   Pinus Torreyana   1/5/21   23.5   50   30   good   30   good   128   Torrey pine   Pinus Torreyana   1/5/21   23.5   50   30   good   30   good   328   Torrey pine   Pinus Torreyana   1/5/21   33   60   40   good   30   good   30   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   30   good   30   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   30   good   313   Torrey pine   Pinus Torreyana   1/5/21   15.5   55   25   good   328   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   33   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   33   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   33   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   33   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   313   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   313   Torrey pine   Pinus Torreyana   1/5/21   17   15   15   35   20   good   313   Torrey pine   Pinus Torreyana   1/5/21   17   17   17   17   17   17   17	122	Torrey pine	Pinus Torreyana	1/5/21	10	40		good
125   Torrey pine   Pinus Torreyana   1/5/21   22   50   30   good   126   Torrey pine   Pinus Torreyana   1/5/21   20.5   45   25   good   30   good   127   Torrey pine   Pinus Torreyana   1/5/21   23.5   50   30   good   30   good   128   Torrey pine   Pinus Torreyana   1/5/21   21.5   55   20   good   30   good   312   Torrey pine   Pinus Torreyana   1/5/21   33   60   40   good   30   good   3130   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   3131   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   3131   Torrey pine   Pinus Torreyana   1/5/21   17.5   55   25   good   3137   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   3137   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good   3131   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good   313   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   3136   Torrey pine   Pinus Torreyana   1/5/21   9   40   25   good   3136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   3137   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   3137   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   3138   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   3138   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good   3138   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good   3140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   12   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   10   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   10   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   10   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   10   good   3141   Torrey pine   Pinus Torreyana   1/5/21   34   45   10   good   3143   Torrey pine   Pinus Torreyana   1/5/21   34   45   12   good   3143   Torrey pine   Pinus Torreyana   1/5/21   34   45   12   good   3143   Torrey pine   Pinus Torr								good
126   Torrey pine   Pinus Torreyana   11/5/21   20.5   45   25   300		· ' '						ÿ
127   Torrey pine   Pinus Torreyane   115/21   23.5   50   30   good   128   Torrey pine   Pinus Torreyana   115/21   21.5   55   20   good   129   Torrey pine   Pinus Torreyana   115/21   13.3   60   40   good   130   Torrey pine   Pinus Torreyana   115/21   15.5   50   30   good   131   Torrey pine   Pinus Torreyana   115/21   15.5   50   30   good   131   Torrey pine   Pinus Torreyana   115/21   18   55   25   good   132   Torrey pine   Pinus Torreyana   115/21   18   55   25   good   133   Torrey pine   Pinus Torreyana   115/21   12   40   18   good   134   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   135   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   136   Torrey pine   Pinus Torreyana   115/21   15   35   20   good   136   Torrey pine   Pinus Torreyana   115/21   12   50   15   good   137   Torrey pine   Pinus Torreyana   115/21   12   50   15   good   137   Torrey pine   Pinus Torreyana   115/21   13   45   12   good   138   Torrey pine   Pinus Torreyana   115/21   13   45   12   good   140   Torrey pine   Pinus Torreyana   115/21   14   40   16   good   140   Torrey pine   Pinus Torreyana   115/21   14   45   20   good   141   Torrey pine   Pinus Torreyana   115/21   14   45   20   good   142   Torrey pine   Pinus Torreyana   115/21   14   45   10   good   142   Torrey pine   Pinus Torreyana   115/21   14   45   10   good   143   Torrey pine   Pinus Torreyana   115/21   14   45   15   good   145   Torrey pine   Pinus Torreyana   115/21   17   45   12   good   145   Torrey pine   Pinus Torreyana   115/21   17   45   22   good   146   Torrey pine   Pinus Torreyana   115/21   17   45   22   good   148   Torrey pine   Pinus Torreyana   115/21   17   45   22   good   148   Torrey pine   Pinus Torreyana   115/21   17   45   22   good   149   Torrey pine   Pinus Torreyana   115/21   16   40   20   good   149   Torrey pine   Pinus Torreyana   115/21   17   45   22   good   150   Torrey pine   Pinus Torreyana   115/21   15   5   30   30   30   30   30   30   30		, ,						
128   Torrey pine   Pinus Torreyana   1/5/21   21.5   55   20   good   129   Torrey pine   Pinus Torreyana   1/5/21   33   60   40   good   30   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   313   Torrey pine   Pinus Torreyana   1/5/21   17.5   55   25   good   32   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   32   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   33   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good   34   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   34   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   36   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   36   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   37   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   37   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   38   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good   39   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good   39   Torrey pine   Pinus Torreyana   1/5/21   11   40   45   20   good   30   30   30   30   30   30   30   3		71						
129   Torrey pine   Pinus Torreyana   1/5/21   33   60   40   good   30   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   good   30   good   31   Torrey pine   Pinus Torreyana   1/5/21   17.5   55   25   good   32   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   33   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   33   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good   34   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   33   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   36   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   36   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   37   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   38   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   38   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   39   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good   30   30   30   30   30   30   30   3		- '						=
130   Torrey pine   Pinus Torreyana   1/5/21   15.5   50   30   30   30   30   30   30   3								ÿ
131   Torrey pine   Pinus Torreyana   1/5/21   17.5   55   25   good   132   Torrey pine   Pinus Torreyana   1/5/21   18   55   25   good   133   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good   134   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   134   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good   135   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good   137   Torrey pine   Pinus Torreyana   1/5/21   14   45   12   good   138   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   139   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good   140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good   141   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good   142   Torrey pine   Pinus Torreyana   1/5/21   14   45   10   good   142   Torrey pine   Pinus Torreyana   1/5/21   14   45   10   good   143   Torrey pine   Pinus Torreyana   1/5/21   14   45   10   good   143   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good   144   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good   144   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good   145   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   145   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good   146   Torrey pine   Pinus Torreyana   1/5/21   13   45   14   good   146   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good   148   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good   150   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good   151   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good   151   Torrey pine   Pinus Torreyana   1/5/21   14.5   45   24   good   152   Torrey pine   Pinus Torreyana   1/5/21   15.5   30   10   good   153   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   20   good   153   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good   155   Torrey pine   Pinus Torreya								=
132   Torrey pine   Pinus Torreyana   1/5/21   18   56   25   good     133   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good     134   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good     135   Torrey pine   Pinus Torreyana   1/5/21   9   40   25   good     136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     137   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     138   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     139   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     139   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good     140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good     141   Torrey pine   Pinus Torreyana   1/5/21   8   45   10   good     142   Torrey pine   Pinus Torreyana   1/5/21   10   45   10   good     143   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     144   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     145   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     146   Torrey pine   Pinus Torreyana   1/5/21   13   45   15   good     147   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     148   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     149   Torrey pine   Pinus Torreyana   1/5/21   13   45   14   good     140   Torrey pine   Pinus Torreyana   1/5/21   13   45   14   good     147   Torrey pine   Pinus Torreyana   1/5/21   16   40   20   good     148   Torrey pine   Pinus Torreyana   1/5/21   16   40   20   good     149   Torrey pine   Pinus Torreyana   1/5/21   15.5   30   10   good     140   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   20   good     150   Torrey pine   Pinus Torreyana   1/5/21   12   40   20   good     151   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good     152   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good     153   Torrey pine   Pinus Torreyana   1/5/21   15.5   30   8   good     155   Torrey pine   Pinus Torreyana   1/5/21   5.								ÿ
133   Torrey pine   Pinus Torreyana   1/5/21   12   40   18   good     134   Torrey pine   Pinus Torreyana   1/5/21   15   35   20   good     135   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     137   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     138   Torrey pine   Pinus Torreyana   1/5/21   6   40   10   good     139   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     139   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good     140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good     141   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good     142   Torrey pine   Pinus Torreyana   1/5/21   10   45   10   good     143   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     144   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     145   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     146   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     146   Torrey pine   Pinus Torreyana   1/5/21   13   45   14   good     147   Torrey pine   Pinus Torreyana   1/5/21   16   40   20   good     148   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     140   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     141   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     150   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     151   Torrey pine   Pinus Torreyana   1/5/21   17   45   25   24   good     152   Torrey pine   Pinus Torreyana   1/5/21   18   40   20   good     153   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   20   good     153   Torrey pine   Pinus Torreyana   1/5/21   15.5   30   8   good     155   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good     156   Torrey pine   Pinus Torreyana   1/5/21		· ' '						
135   Torrey pine   Pinus Torreyana   1/5/21   9   40   25   good     136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good     137   Torrey pine   Pinus Torreyana   1/5/21   6   40   10   good     138   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     139   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good     140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good     141   Torrey pine   Pinus Torreyana   1/5/21   8   45   10   good     142   Torrey pine   Pinus Torreyana   1/5/21   10   45   10   good     143   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     144   Torrey pine   Pinus Torreyana   1/5/21   14   45   15   good     145   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good     146   Torrey pine   Pinus Torreyana   1/5/21   13   45   14   good     146   Torrey pine   Pinus Torreyana   1/5/21   16   40   20   good     147   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     148   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   17   45   22   good     149   Torrey pine   Pinus Torreyana   1/5/21   14.5   45   24   good     150   Torrey pine   Pinus Torreyana   1/5/21   11   40   15   good     151   Torrey pine   Pinus Torreyana   1/5/21   12   40   20   good     152   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   20   good     153   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good     154   Torrey pine   Pinus Torreyana   1/5/21   15.5   40   25   good     155   Torrey pine   Pinus Torreyana   1/5/21   5.5   5   5   5   5   5   5   5   5	133	Torrey pine	Pinus Torreyana		12			
136   Torrey pine   Pinus Torreyana   1/5/21   12   50   15   good								
137   Torrey pine   Pinus Torreyana   1/5/21   6   40   10   good		· ' '						ÿ
138   Torrey pine   Pinus Torreyana   1/5/21   13   45   12   good								
139   Torrey pine   Pinus Torreyana   1/5/21   11   40   16   good		7 1						
140   Torrey pine   Pinus Torreyana   1/5/21   14   45   20   good								Ÿ
141 Torrey pine         Pinus Torreyana         1/5/21         8         45         10         good           142 Torrey pine         Pinus Torreyana         1/5/21         10         45         10         good           143 Torrey pine         Pinus Torreyana         1/5/21         14         45         15         good           144 Torrey pine         Pinus Torreyana         1/5/21         13         45         12         good           145 Torrey pine         Pinus Torreyana         1/5/21         13         45         14         good           146 Torrey pine         Pinus Torreyana         1/5/21         16         40         20         good           147 Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12.5 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
142 Torrey pine         Pinus Torreyana         1/5/21         10         45         10         good           143 Torrey pine         Pinus Torreyana         1/5/21         14         45         15         good           144 Torrey pine         Pinus Torreyana         1/5/21         13         45         12         good           145 Torrey pine         Pinus Torreyana         1/5/21         13         45         14         good           146 Torrey pine         Pinus Torreyana         1/5/21         16         40         20         good           147 Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           150 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         <		, ,						=
143 Torrey pine         Pinus Torreyana         1/5/21         14         45         15         good           144 Torrey pine         Pinus Torreyana         1/5/21         13         45         12         good           145 Torrey pine         Pinus Torreyana         1/5/21         13         45         14         good           146 Torrey pine         Pinus Torreyana         1/5/21         16         40         20         good           147 Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         15.5         <								
144         Torrey pine         Pinus Torreyana         1/5/21         13         45         12         good           145         Torrey pine         Pinus Torreyana         1/5/21         13         45         14         good           146         Torrey pine         Pinus Torreyana         1/5/21         16         40         20         good           147         Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148         Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149         Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150         Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151         Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152         Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153         Torrey pine         Pinus Torreyana         1/5/21         5.5         30 <t< td=""><td>143</td><td>Torrey pine</td><td>Pinus Torreyana</td><td></td><td></td><td>45</td><td></td><td></td></t<>	143	Torrey pine	Pinus Torreyana			45		
146 Torrey pine         Pinus Torreyana         1/5/21         16         40         20         good           147 Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5			Pinus Torreyana	1/5/21	13		12	good
147 Torrey pine         Pinus Torreyana         1/5/21         17         45         22         good           148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5								
148 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         10         good           149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								=
149 Torrey pine         Pinus Torreyana         1/5/21         14.5         45         24         good           150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								
150 Torrey pine         Pinus Torreyana         1/5/21         11         40         15         good           151 Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152 Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								=
151         Torrey pine         Pinus Torreyana         1/5/21         12         40         20         good           152         Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153         Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154         Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155         Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156         Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157         Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good		· ' '						
152         Torrey pine         Pinus Torreyana         1/5/21         12.5         40         20         good           153         Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154         Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155         Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156         Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157         Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								~
153 Torrey pine         Pinus Torreyana         1/5/21         15.5         40         25         good           154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good		· ' '						
154 Torrey pine         Pinus Torreyana         1/5/21         5.5         30         8         good           155 Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								=
155         Torrey pine         Pinus Torreyana         1/5/21         18         40         25         good           156         Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157         Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								
156 Torrey pine         Pinus Torreyana         1/5/21         5.5         15         14         good           157 Torrey pine         Pinus Torreyana         1/5/21         7.5         25         15         good								
157 Torrey pine <i>Pinus Torreyana</i> 1/5/21 7.5 25 15 good								
		· ' '						
	158	Torrey pine	Pinus Torreyana	1/5/21	13	45	20	good

# Appendix A Tree Survey Results

Tree ID #	CommonName	SciName	DateObs	DBH (inches)	Height (ft)	Dripline (canopy width)	Health/Vigor (Good, Fair, Poor, Dead)
159	Torrey pine	Pinus Torreyana	1/5/21	13.5	40	15	good
160	Torrey pine	Pinus Torreyana	1/5/21	13	50	18	good
161	Torrey pine	Pinus Torreyana	1/5/21	38	50	35	good
162	Torrey pine	Pinus Torreyana	1/5/21	30	70	25	good
163	Torrey pine	Pinus Torreyana	1/5/21	44	65	40	good
	Torrey pine	Pinus Torreyana	1/5/21	33.5	40	30	good
165	Torrey pine	Pinus Torreyana	1/5/21	23	50	20	good
	Torrey pine	Pinus Torreyana	1/5/21	32	55	40	good
	Torrey pine	Pinus Torreyana	1/5/21	33	65	30	good
	Torrey pine	Pinus Torreyana	1/5/21	26.5	60	25	good
	Torrey pine	Pinus Torreyana	1/5/21	33.5	50	40	good
	Torrey pine	Pinus Torreyana	1/5/21	36.5	50	40	good
	Torrey pine	Pinus Torreyana	1/5/21	17.5	25	20	good
	Torrey pine	Pinus Torreyana	1/5/21	31	60	30	good
	Torrey pine	Pinus Torreyana	1/5/21	26	60	25	good
	Torrey pine	Pinus Torreyana	1/5/21	28.5	60	30	good
	Torrey pine	Pinus Torreyana	1/5/21	16	45	15	good
	Torrey pine	Pinus Torreyana	1/5/21	26.5	45	30	good
	Torrey pine	Pinus Torreyana	1/5/21	24	40	25	Ÿ
	Torrey pine	Pinus Torreyana	1/5/21	23.5	50	26	good
	Torrey pine		1/5/21	33	50	40	good
		Pinus Torreyana		20	50	20	good
	Torrey pine	Pinus Torreyana	1/5/21	29	55	30	good
	Torrey pine	Pinus Torreyana	1/5/21				good
	Torrey pine	Pinus Torreyana	1/5/21	36	50	40	good
	Torrey pine	Pinus Torreyana	1/5/21	29	50	35	good
	Torrey pine	Pinus Torreyana	1/5/21	29.5	55	25	good
	Torrey pine	Pinus Torreyana	1/5/21	21.5	45	30	good
	Torrey pine	Pinus Torreyana	1/5/21	26	40	30	good
	Torrey pine	Pinus Torreyana	1/5/21	6	20	15	good
	Torrey pine	Pinus Torreyana	1/5/21	6	25	15	good
	Torrey pine	Pinus Torreyana	1/6/21	8.5	30	18	good
	Torrey pine	Pinus Torreyana	1/6/21	9	28	16	good
	Torrey pine	Pinus Torreyana	1/6/21	6.5	25	20	good
	Torrey pine	Pinus Torreyana	1/6/21	24.5	35	30	good
	Torrey pine	Pinus Torreyana	1/6/21	16	45	25	good
	Torrey pine	Pinus Torreyana	1/6/21	15.5	45	25	good
195	Torrey pine	Pinus Torreyana	1/6/21	28.5	50	30	good
	Torrey pine	Pinus Torreyana	1/6/21	18.5	40	20	good
	Torrey pine	Pinus Torreyana	1/6/21	32.5	50	40	good
	Torrey pine	Pinus Torreyana	1/6/21	34.5	60	50	good
199	Torrey pine	Pinus Torreyana	1/6/21	45	60	45	good
200	Torrey pine	Pinus Torreyana	1/6/21	41.5	55	50	good
201	Torrey pine	Pinus Torreyana	1/6/21	23	45	25	good
202	Torrey pine	Pinus Torreyana	1/6/21	26	45	25	good
203	Torrey pine	Pinus Torreyana	1/6/21	22.5	45	30	good
204	Torrey pine	Pinus Torreyana	1/6/21	19.5	45	20	good
205	Torrey pine	Pinus Torreyana	1/6/21	29	50	40	good
	Torrey pine	Pinus Torreyana	1/6/21	23	50	35	good
	Torrey pine	Pinus Torreyana	1/6/21	21.5	50	25	good
	Torrey pine	Pinus Torreyana	1/6/21	33	50	45	good
	Torrey pine	Pinus Torreyana	1/6/21	32	50	35	good
	Torrey pine	Pinus Torreyana	1/6/21	38	52	44	good
	Torrey pine	Pinus Torreyana	1/6/21	20	55	36	good
2111				_~			. 3
	Torrey pine	Pinus Torreyana	1/6/21	12	20	20	good

Photograph 1: A mixture of native and landscaped Torrey pines along the northern boundary of the project. Facing north; 01/04/2021.



Photograph 2: A landscaped Torrey Pine growing along the boundary of the project site. Facing east; 01/06/2021.

Photograph 4: A cluster of native Torrey pines immediately outside the project boundary. Facing west; 01/05/2021.



Photograph 5: A landscaped Torrey pine along the southeastern portion of the project site. Facing north; 01/06/2021.