

**CITY OF CARMEL-BY-THE-SEA
FOREST AND BEACH COMMISSION**

REGULAR MEETING AGENDA

**Thursday, 7 June 2012
Tour of Inspection – 1:30 p.m.
Regular Meeting – 2:00 p.m.**

City Hall, Council Chambers
East side Monte Verde St. between Ocean & 7th Avenues
Carmel, California

I. CALL TO ORDER AND ROLL CALL

COMMISSION MEMBERS: TOM LEVERONE, CHAIRPERSON
LESLIE KADIS
LISA BOARDMAN
DAVID REFUERZO

II. PLEDGE OF ALLEGIANCE

III. APPEARANCES

Thank you for attending the meeting. Anyone wishing to address the Commission on matters within the jurisdiction of the Commission may do so now. Please state the matter on which you wish to speak. Matters not appearing on the Commission's agenda will not receive action at this meeting but may be referred to staff for a future meeting. Presentations will be limited to three minutes, or as established by the Commission. Persons are not required to give their name or address, but it is helpful for speakers to state their name in order that the Secretary may identify them.

IV. CONSENT AGENDA

1. Consideration of the minutes for the 3 May 2012 regular meeting. Page 1.

V. APPLICATIONS/PUBLIC HEARINGS

IF YOU CHALLENGE THE NATURE OF THE PROPOSED ACTION IN COURT, YOU MAY BE LIMITED TO RAISING ONLY THOSE ISSUES YOU OR SOMEONE ELSE RAISED AT THE PUBLIC HEARING DESCRIBED IN THIS NOTICE, OR IN WRITTEN CORRESPONDENCE DELIVERED TO THE FOREST AND BEACH COMMISSION, OR PRIOR TO DELIBERATION OF THE ITEMS ON THE TOUR OF INSPECTION/PUBLIC HEARING.

1. Consideration of an application to remove three Monterey pines (36", 24", and 23" diameter) with root damage on a construction site for a new single family home. The site is located on the west side of Santa Rita St., 2 north of 6th Ave. The applicant and property owner is Corey McMills. Page 4.
2. Consideration of an application to remove one Monterey pine (30" diameter) due to damage to a driveway and safety and liability concerns. The site is located on the east side of Torres St., 2 south of 5th Ave. The applicant and property owners are Marcia Stewart for Steve and Ann Kenfield. Page 15.

VI. ORDERS OF BUSINESS

1. Review and discuss a revision to the tree permit ordinances and procedures. Page 19.
2. Review and comment on a modified beach proposal from Sustainable Carmel. Page 30.
3. Review and provide a recommendation to the City Council regarding a request from a resident for extending the Scenic Road dogs on-leash requirement to the North Dunes boardwalk. Page 31.
4. Consideration of Developing an Arbor Day Event for 2012. Page 38.

VII. REPORTS FROM STAFF AND COMMISSION

1. Receive verbal report from the Ad hoc Beach Committee. No Page.
2. Forester's report. Page 39.

VIII. ADJOURNMENT

Any writings or documents provided to a majority of the Forest and Beach Commission regarding any item on this agenda will be made available for public inspection in the Planning and Building Department located at City Hall, on Monte Verde between Ocean and 7th Avenues during normal business hours.

If there is not a special meeting, the next regular meeting of the Forest and Beach Commission will be:

5 July 2012
1:30 p.m. – Tour of Inspection
2:00 p.m. - Regular Agenda

The City of Carmel-by-the-Sea does not discriminate against persons with disabilities. The City of Carmel-by-the-Sea Telecommunication's Device for the Deaf /Speech Impaired (TDD) number is 1-800-735-2929.

**CITY OF CARMEL-BY-THE-SEA
FOREST AND BEACH COMMISSION**

REGULAR MEETING MINUTES

Thursday, May 3, 2012
1:30p.m.

I. CALL TO ORDER AND ROLL CALL

The regular meeting of the Forest and Beach Commission of the City of Carmel-by-the-Sea, California was held on the above date at the hour of 1:32 p.m. The meeting was adjourned to the tour of inspection and reconvened the meeting at 2:37p.m.

PRESENT: Lisa Boardman
Les Kadis
Tom Leverone - Chairperson
David Refuerzo

ABSENT: None

STAFF PRESENT: Mike Branson, City Forester
Margi Perotti, Secretary to the Forest and Beach Commission

II. PLEDGE OF ALLEGIANCE

Members of the audience joined the Commission in the Pledge of Allegiance.

III. APPEARANCES

No appearances.

IV. CONSENT AGENDA

1. Consideration of the minutes for the 5 April 2012 regular meeting.

It was moved by KADIS and seconded by LEVERONE to approve the consent calendar. The motion passed by the following roll call vote:

AYES: COMMISSION MEMBERS: BOARDMAN, KADIS, REFUERZO, LEVERONE
NOES: COMMISSION MEMBERS: NONE
ABSTAINED: COMMISSION MEMBERS: NONE
ABSENT: COMMISSION MEMBERS: NONE

V. APPLICATIONS/PUBLIC HEARINGS

1. Consideration of an application to remove one Monterey pine (36" diameter) due to damage to a walkway. The site is located on the north side of 10th Avenue, 2 west of Camino Real Street. The applicant and property owners are Iverson Tree Service for Mr. Chris Callero.

Mike Branson, City Forester presented his staff report and addressed questions of the Commission.

Chairperson LEVERONE opened the public hearing at 2:42 p.m. Richie Dunn; Leslie Dunn, and Mike Iverson, appeared before the Commission. The public hearing was closed at 2:59 p.m.

It was moved by BOARDMAN and seconded by KADIS to deny the application for removal. The motion carried by the following roll call vote:

AYES: COMMISSION MEMBERS: BOARDMAN, KADIS, REFUERZO, LEVERONE
NOES: COMMISSION MEMBERS: NONE
ABSTAINED: COMMISSION MEMBERS: NONE
ABSENT: COMMISSION MEMBERS: NONE

V. ORDERS OF BUSINESS

1. Report and discussion on root removals on the McMills construction project located on the west side of Santa Rita, 2 north of sixth.

Mike Branson, City Forester presented his staff report.

Chair LEVERONE opened the public hearing at 3:05 p.m. Steve Brooks and Karen Ferlito appeared before the Commission. The public hearing was closed at 3:42 p.m.

No action taken.

2. Review and comment on a proposed installation of a wood split-rail fence in Mission Trail Nature Preserve.

Mike Branson, City Forester presented his staff report.

Chair LEVERONE opened the public hearing at 3:46 p.m. Karen Ferlito appeared before the Commission. The public hearing as closed at 3:47 p.m.

Following discussion, it was moved by LEVERONE and seconded by REFUERZO to forward a recommendation to the Planning Commission to leave the area natural and do not install a fence. The motion carried by the following roll call vote:

AYES: COMMISSION MEMBERS: BOARDMAN, REFUERZO, LEVERONE
NOES: COMMISSION MEMBERS: KADIS
ABSTAINED: COMMISSION MEMBERS: NONE
ABSENT: COMMISSION MEMBERS: NONE

3. Review and discuss a revision to the tree permit ordinances and procedures.

Mike Branson, City Forester presented his staff report.

Chair LEVERONE opened the public hearing at 3:58 p.m. Karen Ferlito and Steve Brooks appeared before the Commission. The hearing was closed at 3:59 p.m.

This item was continued to the next meeting to finalize the tag design and language to be on the tag.

VII. REPORTS FROM STAFF AND COMMISSION

1. Receive verbal report from the Ad Hoc Beach Committee.

No report – continued to the next month.

2. Forester's Report.

Mike Branson City Forester presented his report.

Chairperson LEVERONE opened and closed the public hearing at 4:11 p.m.

IV. ADJOURNMENT

There being no further business, Chairperson LEVERONE adjourned the meeting at 4:12 p.m.

Approved,

Respectfully submitted,

Tom Leverone, Chairman

Margi Perotti, Secretary

MEMORANDUM

TO: Chairperson Tom Leverone
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 31 May 2012

SUBJECT: Consideration of an application to remove three Monterey pines (36", 24", and 23" diameter) with root damage on a construction site for a new single family home. The site is located on the west side of Santa Rita St., 2 north of 6th Ave. The applicant and property owner is Corey McMills.

This tree removal application is a result of the cutting of several significant roots on three Monterey pine on the McMills construction site on the west side of Santa Rita St., 2 north of 6th Ave. Details of the project and circumstances along with corrective actions by the city are addressed in the attached incident report.

Due to the elevated risk posed by the three trees to this property and neighboring properties, staff recommended the trees be removed and asked the owner to submit a removal application for review by the Forest and Beach Commission.

Carmel Municipal Code section 17.48.150 states that damage to trees can result in citation, permit suspension, and a monetary penalty for damaged trees on a construction site if the work is done without a permit. In this case the project had a permit to build a home and remove some non-significant trees. No permit was issued for major root pruning and unauthorized root pruning has led to the need to remove the three pine trees.

Using the tree valuation criteria and formula of the International Society of Arboriculture, staff had determined a dollar value for each of the tree pine trees:

Pine #1	\$ 8,000
Pine #2	\$ 2,300
<u>Pine #3</u>	<u>\$ 1,990</u>
Total	\$12,290

The commission can determine the appropriate penalty for the tree damage. It should be noted that the work that was done was following the plans that were approved by the city but there was not any hand digging for the foundations near the trees nor was the city forester notified when roots were encountered. Staff does not believe there was any malicious forethought to damage the trees to require their removal.

I recommend allowing the trees to be removed for safety reasons, assessing an appropriate monetary penalty, and requiring replanting of three new pines on the site.

APPLICATION FOR PERMIT TO REMOVE OR PRUNE TREES FOR THE PURPOSES OF CONSTRUCTION/DEMOLITION

Location of property: SANTA RITA of 6TH 2/3 dw
Block: 61 Lot: APN 010-038-005/006 (15/17)
Name of Property Owner: MARIE & COREY McMILLS Name of Applicant/Contractor: McMILLS CONSTRUCTION
Mailing Address 105 FOX HOLLOW RD. Mailing Address: SAME
WOODSIDE, CA. 94062
Phone #: 415-999-2657 cell Phone #: 650-367-0946 OFFICE

(PLEASE NOTE IF TREE(S) ARE ON CITY OR PRIVATE PROPERTY)

Number, size and species of tree(s) to be removed: 3 PINES:
1-36" ; 1-23" ; 1-24"

Number, size and species of limbs/or roots to be removed: _____

Reason for removal or Pruning: STRESS ISSUES W/ NEIGHBOR & STRESS
DUE PROXIMITY TO NEW & APPROVED FOUNDATION.

Company Removing Tree/Limbs: _____ City Business License # _____

You will be notified in writing the date and time that your request is scheduled for a hearing. If you or your representative is unable to attend the hearing, your application will be tabled. You may reschedule by contacting the Secretary to the Forest and Beach Commission at (831) 620-2070. You may waive your right to speak at the hearing and authorize the Forest and Beach Commission to act on your request in your absence by signing on the following line: _____ Date: _____

A SITE PLAN MUST ACCOMPANY THIS APPLICATION AND SHOW THE FOLLOWING:

1. Location, size and species of ALL trees on the lot.
2. Location and species of tree(s)/limb(s) to be removed or pruned
3. Footprint of the structure/proposed structure.
4. Existing and proposed site coverage.
5. ALL areas that are to remain for landscaping and the total square feet of openspace.
6. Location of areas for tree replanting - The City has adopted Design Review Guidelines which include a minimum tree density per lot. Please review the attached Policy and indicate on the site plan where you intend to plant trees necessary to comply with this guideline.
7. Will excavation other than standard footings be required as part of your construction? YES, NO. If Yes, you **MUST** show the area of cut, its depth and total cubic yards to be removed.

> In order to properly consider your application it is necessary that the footprint of your proposed construction be clearly defined on the lot and height poles are installed prior to the Commission's Tour of Inspection. Any decision of the Forest and Beach Commission is based on information submitted with this application. If the design is altered or the location of the structure changed, another application for a tree permit is required.

> **NO WORK IS PERMITTED** until you have received project approval through the Planning Commission and the issuance of a valid building permit. The Permit to remove trees must be posted on the job site when work is being performed.

Owner's Signature: [Signature] Date: 9/18/12
Agent for Owners: _____ Date: _____

INCOMPLETE APPLICATIONS WILL BE RETURNED

Incident Review on the McMills Project

Tree root severing

May 31, 2012

Narrative

The McMills development is located on the west side of Santa Rita St., 2 north of Sixth Ave. This residential project began design review in spring 2008 and was approved by the Design Review Board in 2009. The site is a double lot proposed for a new 3,200 square-foot two-story home which also includes a below grade living area (bonus area). A building permit was issued in March 2011. Demolition of the old building, located primarily on the northern portion of the property, occurred shortly after the issuance of the building permit. Construction of the new home did not begin until 2012.

The site slopes down from east to west with an average slope around 20%. There are 9 coast live oaks and 6 Monterey pines on the property along with 3 oaks on the Santa Rita St. right-of-way. All of the trees are to be retained on the property during and post construction. There is also a large 38" diameter Monterey pine growing on the property to the north that partially straddles the northern property line onto the McMills site.

Three pines located on the western side of the new home had several roots cut during excavation for the foundation and perimeter walls of the lower level of the home. For discussion, they are identified as pine #1, #2, and #3. Pine #1 is approximately 36" in diameter and 90 feet tall, pine #2 is 24" in diameter and 102 feet tall, and pine #3 is 23" in diameter and 80 feet tall. Excavation was approved for the site and the roots that were severed would have extended through the walls into the living space of the lower level of the approved home. Pine # 1 had one large 14" diameter root cut; this is the only significant root on the east side of this tree. The finished soil cut near this tree is about 4 feet deep and about 3 feet from the base of the tree. Pines # 2 and #3 had 15 roots cut ranging from 2-6 inches in diameter. These two trees originate within two feet of each other with an interlocking root system making it difficult to determine which root belongs to which tree. It is probable that the trees may have a shared root system with root grafts and a degree of reliance on one another for physical support. The soil cut near these trees is about 4 feet deep on the east side of pine #2 and about 3 feet deep to the north of both trees. The excavation is within 3 feet and 4 feet of the trees on the east and north respectfully.

A standard condition of issuance of a building permit for construction is all excavation within 15 feet of a significant tree requires hand digging and contact with the City Forester if roots larger than 2" are discovered. The contractor did not hand-dig in the area near the trees for the required cut. The condition for hand digging is attached to the approved project plans when the building permit is issued. When staff contacted the site foreman and excavation contractor, neither was aware of the condition for hand digging near significant trees. The foreman works for McMills Construction and had not worked in Carmel before. The excavation contractor is a relatively new company that also had not worked around significant trees in Carmel before.

Conclusion

Three Monterey pines are affected by the root cutting incident. The trees appear to be stable at the current time. However due to the extent their root systems have been compromised their long-term retention is in doubt. Trees rely on their larger structural roots to provide support of the above ground portions of the tree. While some root pruning can be accommodated if done appropriately and with professional direction, the roots removed on these trees exceed what would be acceptable for the size and location of the trees. Any wound whether above or below ground is a potential entry point for decay fungi which can over time weaken a trees vitality and

structural integrity. The large below ground cut on tree #1 is a specific spot of concern for decay fungi affecting the long-term viability of this tree.

With the close proximity of several targets (homes and people) and the elevated level of risk due to the root cutting, these trees should be removed. Mediation of the root loss via thinning the canopy, anchoring and guying with cables, or other means will not provide the level of risk reduction for the safety of this property and neighboring properties into the future. The neighbor to the west is very concerned about the long term viability of the three trees and the possibility they may fall and hit his property. Other properties may not be aware of the situation but may have similar concerns.

Staff has recommended removal of the trees to the property owner and an application has been submitted for a hearing by the Forest and Beach Commission. Staff is assessing a value to each tree which the commission can require the property owner to pay for the damage and resulting loss of the trees.

Corrective Action

Forestry and planning staff continue to make efforts to prevent this type of event from occurring on future projects and will continue to refine the review process. A challenge with this incident is the roots, even if hand dug at this time, would be well into the living space of the lower level, not just through the foundation. Not removing them would require a complete redesign of the home three and a half years later after approval. Another issue is the standard practice of over excavation extending out from the building footprint by about 1.5 to 2 feet to allow for the construction of the building walls and installation of drainage pipes along the perimeter of the walls

Some items that are now in place for project review and construction management:

- Include over-cuts when evaluating grade cuts and sub-level spaces.
- Meet with designers prior to design submittal to discuss site specific tree issues as part of the Preliminary Site Assessment.
- Planning and Building Services Managers letter on important issues to consider for construction professionals working in Carmel (Attachment A).
- Exploratory trenching before design review to evaluate potential tree root conflicts.
- Notices that hand digging is required attached to the foundation sheets of construction plans.
- Establish larger tree protection zones as appropriate for each site.
- Post-approval design changes are evaluated for possible new or cumulative effects on trees.

Several relevant sections of the Municipal Code (Attachment B) apply to construction activities around trees. Suspension of a building permit may be the heaviest blow as all work must stop until the situation is resolved. Fines for the tree value can also be a significant monetary impact but some people can absorb the fines as a cost of doing business. In the end the most effective resolution is for developers, builders, residents and the city to be sure trees are properly considered and appropriately protected prior to issuing a building permit and during the actual construction.

In this incident, an approved plan was in hand and a permit was issued. It does not appear to staff that there was any deliberate intent to get rid of the pines. An unscrupulous builder who diverts from an approved plan or has intent to damage a significant tree should be subject to the most severe enforcement and heaviest penalties.

ATTACHMENT A: Planning and Building Services Manager Letter

City of Carmel-by-the-Sea

COMMUNITY PLANNING AND BUILDING DEPARTMENT

POST OFFICE DRAWER G
CARMEL-BY-THE-SEA, CA 93921
(831) 620-2010 OFFICE
(831) 620-2014 FAX

23 April 2012

Dear Construction Professional:

Carmel-by-the-Sea is world renowned for its unique village in a forest character. Maintaining this unique character is a community wide effort. The City thanks you for the part you play in constructing high quality buildings and maintaining the urban forest.

The City understands that the development rules can be complicated and difficult to balance with the sometimes competing desires of your clients. While the majority of projects are processed without any significant problems, there are occasions when projects are delayed due to failure to follow proper procedures. These delays can be costly for construction professionals and their clients, and add an unnecessary burden on City resources. For these reasons, the City would like to remind you of some important issues:

- Almost all exterior site changes require some level of design review. Please contact City staff to determine what review might be required for your project.
- Most building alterations require a building permit of some kind. Please contact the City's Building Official if you are unsure whether your project will require a permit.
- Revisions to approved plans must be authorized by the City prior to implementing the revisions.
- Read and comply with all special conditions associated with project approvals (typically attached to the job site plans).
- Construction projects often occur around trees. All excavations within 15 feet of significant trees shall be excavated by hand. If any tree roots larger than two inches (2") are encountered during construction, the City Forester shall be contacted before cutting the roots.
- When using stone on walls and on buildings, please be sure to avoid the uncoursed cobweb pattern. It is helpful to install a small portion and call staff to verify that the pattern is appropriate before proceeding with the rest of the installation.
- Follow the site plan with regards to site coverage (decks, patios, walkways, driveways, gravel, etc.). Any changes require approval by the City prior to implementation.
- The public right-of-way (the space between the street edge and the property line, usually between 10-15 feet wide) should be maintained in an informal, forested appearance. Gravel, boulders, landscape rocks, and paving (except for driveway and a 3' wide DG pathway), are prohibited unless authorized by an encroachment permit. Landscape improvements in this area require review by the City Forester.

City staff is committed to being responsive to your requests and ensuring that your projects are processed in an efficient manner. Please do not hesitate to contact staff at the number listed above. Thank you for your cooperation in ensuring that the character of the City is maintained.

Sincerely,

Sean Conroy

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ATTACHMENT B: Relevant Municipal Code Sections.

17.48.050 Required Permits.

A. Trees on Private Property.

1. Trees on Vacant Lots or Lots Planned for New Construction, Alterations, or Rebuilding. If remodeling, rebuilding or new construction is undertaken within six months from the cutting down of a tree, it shall be presumed that the tree was removed for remodeling or rebuilding. On a vacant lot or any lot on which any existing building is to be altered, rebuilt or demolished and replaced, a tree removal permit shall be required for the following trees.

a. Removal, replacement, cutting down, or destruction of any tree identified on the Carmel-by-the-Sea Recommended Tree List (see LUP Appendix G²: Forest Management Plan) having:

- i. An average diameter of greater than two inches; or
- ii. A circumference greater than six and one-fourth inches, measured at a point four and one-half feet above the ground level.

b. Any alteration of a tree that would remove:

- i. Roots greater than two inches in diameter; or
- ii. Live limbs greater than four inches in diameter.

17.48.110 Protection of Trees During Construction.

For the purpose of safeguarding trees during construction, demolition or tree removal, the following conditions shall apply to all trees other than trees for which a removal permit has been issued:

A. Protection of Existing Trees.

1. Prior to the commencement of construction, demolition or tree removal, all trees on the building site shall be inventoried by the owner or contractor as to size, species and location on the lot, and the inventory shall be submitted on a topographical map to the Building Official. This condition may be waived by the Building Official for tree removal and minor demolition.

2. Damage to any tree during construction, demolition or tree removal shall be immediately reported by the person causing the damage, the responsible contractor or the owner to the City Forester, and the contractor and/or owner shall treat the tree for damage in the manner specified by the City Forester.

3. Oil, gasoline, chemicals and other construction materials shall not be stored within the dripline of any tree. All compaction of soils, construction of building walls, or placement of impermeable surfaces must be setback a minimum of six feet from all significant trees. Grading ruts and fills around significant trees shall be limited to areas outside the root projection zone identified by the

City Forester in any preliminary site assessment (see Chapter 17.58 CMC, Design Review.) Drains shall be installed according to City specifications so as to avoid harm to trees due to excess watering or ponding. No wires, signs or other similar items shall be attached to trees. Cutting and filling around the base of trees shall be done only after consultation with the City Forester, and then only to the extent authorized by the City Forester. No paint thinner, paint, plaster or other liquid or solid excess or waste construction materials or wastewater shall be dumped on the ground or into any grate between the dripline and the base of the tree, or uphill from any tree where such substance might reach the roots through a leaching process.

4. The property owner/contractor shall erect protective barricades around all trees on a private building site. These barricades shall be in place prior to the start of any construction or demolition activities. Barricades shall be upright, two-inch by four-inch planks standing a minimum of eight feet vertically, conforming to the tree, tied with wire or rope forming a maximum of one-inch space between the planks. If the tree's configuration or site conditions do not lend themselves to the installation of this type barricade, the City Forester will designate alternate tree protection methods. Under certain conditions where soil compaction is probable, fences may also be required around a tree or grouping of trees. The use of recycled lumber, synthetic lumber or similar materials approved by the City Forester for tree protection is encouraged.

5. Wherever cuts are made in the ground near the roots of trees, appropriate measures shall be taken to prevent exposed soil from drying out and causing damage to tree roots.

6. Trimming cuts shall conform to arboricultural standards and shall be made along the branch bark ridge.

7. Prior to the start of any construction or demolition activities, the property owner/contractor is required to spray or have a certified applicator spray the lower six feet of all pine tree trunks with a pesticide approved by the California Department of Food and Agriculture for the treatment of bark beetles.

8. The property owner is responsible for care of all trees that are to remain on the site. This includes the treatment of bark beetles as designated by the City Forester.

9. Failure to protect or maintain trees on construction/demolition sites is a violation of the municipal code and grounds for suspension of the building permit.

17.48.150 Enforcement.

A. Violations. It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this chapter. A violation of any of the provisions or failure to comply with any of the mandatory requirements of this chapter shall constitute an infraction.

B. Penalties. Any person convicted of an infraction under the provisions of such sections shall be punishable by fine only as follows: Upon a first conviction, by a fine not exceeding \$250.00, and for a second conviction or any subsequent conviction within a period of one year, by a fine not exceeding \$500.00.

1. Cutting, removing, or pruning of trees on public property without a permit shall be a misdemeanor.

2. In addition to the penalties provided for herein, any violation of such sections may be addressed by civil action.

C. Suspension of Permit. Removal of trees, pruning or root removal without a permit shall be grounds for suspension of any permits granted for construction or demolition for a period of up to 90 days, said period of time to be determined by the City Forester. During the suspension period, the property owner or her/his designee shall make application to the Forest and Beach Commission to obtain the necessary permit. Upon the review of the application, the Forest and Beach Commission:

1. May require replacement trees to be planted upon completion of construction;
 2. May require an amount of money equal to the value of the lost tree(s) to be deposited in a deposit account to be used for reforestation;
 3. May, in the event a tree is damaged and the City Forester determines that it may die within one year, require a sum of money equal to the tree's value to be deposited with the City in a deposit account for a period of time not exceeding one year. If the tree dies during that period the City shall use the money for restoration. The City Forester shall determine the tree's value using criteria established by the International Society of Arboriculture. (Ord. 2004-02 § 1, 2004; Ord. 2004-01 § 1, 2004).
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Trunk Formula Method Work Sheet

Case # _____ Property McMills Date May 25, 2012
 Appraiser M. Branson

Field Observations

1. Species Monterey pine #1
2. Condition 80 %
3. Trunk Circumference _____ in./cm Diameter 36 @/cm
4. Location % = [Site 75 % + Contribution 70 % + Placement 70 %]
 $\div 3 = \underline{71}$ %

Regional Plant Appraisal Committee and/or Appraiser-Developed or -Modified Information

5. Species rating 40 % (+ 10%)
6. Replacement Tree Size (diameter) 2.46 in./cm
 (Trunk Area) 4.75 in²/cm² TA_R
7. Replacement Tree Cost \$ 172.73
 (see Regional Information to use Cost selected)
8. Installation Cost \$ 172.73
9. Installed Tree Cost (#7 + #8) \$ 345.46
10. Unit Tree Cost \$ 36.36 per in²/cm²
 (see Regional Information to use Cost selected)

Calculations by Appraiser using Field and Regional Information

11. Appraised Trunk Area:
 (TA_A or ATA_A; use Tables 4.4-4.7)
 or c² (#3) _____ × 0.08
 or d² (#3) _____ × 0.785
 = 974 in²/cm² from Table 4.4 ATA
12. Appraised Tree Trunk Increase (TA_{INCR}) =
 TA_A or ATA_A 974 in²/cm² (#11) - TA_R 4.75 in²/cm² (#6) = 969.25 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 969.25 in²/cm² × Unit Tree Cost (#10) \$ 36.36
 per in²/cm² + Installed Tree Cost (#9) \$ 345.46 = \$ 35587.30
14. Appraised Value = Basic Tree Cost (#13) \$ 35587.30 × Species rating
 (#5) 40 % × Condition (#2) 80 % × Location (#4) 71 % = \$ 8085.45
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it is less, round to the nearest \$10.
16. Appraised Value = (#14) \$ 8000

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#9) divided by the Replacement Tree Size (#6) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

Trunk Formula Method Work Sheet

Case # _____ Property M. Mills Date May 25, 2012
 Appraiser M. Branson

Field Observations

1. Species Monterey pine # 2
2. Condition 68 %
3. Trunk Circumference _____ in./cm Diameter 24 in./cm
4. Location % = [Site 75 % + Contribution 40 % + Placement 40 %]
 $\div 3 = \underline{51}$ %

Regional Plant Appraisal Committee and/or Appraiser-Developed
 or -Modified Information

5. Species rating 40 % (+ 10%)
6. Replacement Tree Size (diameter) 2.46 in./cm
 (Trunk Area) 4.75 in²/cm² TA_R
7. Replacement Tree Cost \$ 172.73
 (see Regional Information to use Cost selected)
8. Installation Cost \$ 172.73
9. Installed Tree Cost (#7 + #8) \$ 345.46
10. Unit Tree Cost \$ 36.36 per in²/cm²
 (see Regional Information to use Cost selected)

Calculations by Appraiser using Field and Regional Information

11. Appraised Trunk Area:
 (TA_A or ATA_A; use Tables 4.4-4.7)
 or c² (#3) _____ × 0.08
 or d² (#3) _____ × 0.785
 = 452 in²/cm² from table 4-4
12. Appraised Tree Trunk Increase (TA_{INCR}) =
 TA_A or ATA_A 452 in²/cm² (#11) - TA_R 4.75 in²/cm² (#6) = 447.25 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 447.25 in²/cm² × Unit Tree Cost (#10) \$ 36.36
 per in²/cm² + Installed Tree Cost (#9) \$ 345.46 = \$ 16607.47
14. Appraised Value = Basic Tree Cost (#13) \$ 16607.47 × Species rating
 (#5) 40 % × Condition (#2) 68 % × Location (#4) 51 % = \$ 2303.78
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it
 is less, round to the nearest \$10.
16. Appraised Value = (#14) \$ 2300

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#9) divided by the Replacement Tree Size (#6) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

Trunk Formula Method Work Sheet

Case # _____ Property McMills Date May 25, 2012
 Appraiser M. Branson

Field Observations

1. Species Monterey pine #3
2. Condition 68 %
3. Trunk Circumference _____ in./cm Diameter 23 @ /cm
4. Location % = [Site 75 % + Contribution 30 % + Placement 40 %]
 $\div 3 = \underline{48}$ %

Regional Plant Appraisal Committee and/or Appraiser-Developed or -Modified Information

5. Species rating 40 % (+ 10%)
6. Replacement Tree Size (diameter) 2.46 in./cm
 (Trunk Area) 4.75 in²/cm² TA_R
7. Replacement Tree Cost \$ 172.73
 (see Regional Information to use Cost selected)
8. Installation Cost \$ 172.73
9. Installed Tree Cost (#7 + #8) \$ 345.46
10. Unit Tree Cost \$ 36.36 per in²/cm²
 (see Regional Information to use Cost selected)

Calculations by Appraiser using Field and Regional Information

11. Appraised Trunk Area:
 (TA_A or ATA_A; use Tables 4.4-4.7)
 or c² (#3) _____ × 0.08
 or d² (#3) _____ × 0.785
 = 415 in²/cm² from table 4-4
12. Appraised Tree Trunk Increase (TA_{INCR}) =
 TA_A or ATA_A 415 in²/cm² (#11) - TA_R 4.75 in²/cm² (#6) = 410.25 in²/cm²
13. Basic Tree Cost = TA_{INCR} (#12) 410.25 in²/cm² × Unit Tree Cost (#10) \$ 36.36
 per in²/cm² + Installed Tree Cost (#9) \$ 345.46 = \$ 15262.15
14. Appraised Value = Basic Tree Cost (#13) \$ 15262.15 × Species rating
 (#5) 40 % × Condition (#2) 68 % × Location (#4) 48 % = \$ 1992.6
15. If the Appraised Value is \$5,000 or more, round it to the nearest \$100; if it
 is less, round to the nearest \$10.
16. Appraised Value = (#14) \$ 1990

Items 5 through 10 are determined by the Regional Plant Appraisal Committee. The Wholesale Replacement Tree Cost, the Retail Replacement Tree Cost, or the Installed Tree Cost (#9) divided by the Replacement Tree Size (#6) can be used for the Unit Tree Cost (#10), or it can be set by the Regional Plant Appraisal Committee.

MEMORANDUM

TO: Tom Leverone, Chairperson
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 31 May 2012

SUBJECT: Tree Removal (Private)
Block: 60 Lot: 6
E/ Torres St., 2 south of 5th Ave.
Applicant/Owner: Marcia Stuart / Stephen and Ann Kenfield

Site Condition:

This site is a level 4000 square-foot lot with single-family home and cobble paver driveway and parking pad along the southern property line at the front of the property. The tree is located in the front yard of the property adjacent to the north edge of the 8' 6" wide driveway/parking pad.

Size and species of trees(s) requested for removal/pruning:

Remove one Monterey pine – 30" diameter.

Health and condition of tree requested for removal:

This appears to be healthy without any significant disease or structural problems. The cobble parking area is placed right up to the base of the tree where trunk diameter expands (root collar) as the roots enter the ground. It appears that at time vehicles actually drive over the root collar due to the narrowness of the parking pad near the tree.

Previous requests and decisions:

None.

Reason for request - Description of Project:

The applicant is concerned about roots lifting the pavers causing the driveway to be dangerous and unusable, roots damaging their water service to the house, damage to the house and car, and safety and liability of their family and guests.

The importance of the tree(s) to the urban forest in the area:

The tree contributes to the upper canopy of the urban forest in this neighborhood.

Size and species of tree(s) that are to be preserved:

Coast live oak – 4”, 15” multi-stem, 12” multi-stem, and 9” diameters

Monterey pine – 15” diameter

Japanese maple – 3” diameter

Impacts construction may have on trees that are to be preserved and suggested mitigation:

N/A

Options:

1. Approve the application.
2. Do not approve the application.
3. Postpone consideration.

Staff Recommendations:

Option #3. Postpone consideration. The tree appears to be without any significant factors that necessitate removal of the tree at the current time except for the damage described by the applicant. The damage to the driveway/parking pad is obvious and in need of some corrective action. In order to make an informed decision about the size and extent of roots that appear to be the cause of the uplifting I recommend asking the applicant to arrange for the removal of the cobbles so the roots can be seen and appraised as to their significance. At that time a determination can be made regarding removal or retention of the tree.

If the application is approved, I recommend planting one upper canopy replacement tree in the front yard of the site.

CITY OF CARMEL-BY-THE-SEA

P.O. Box "SS"
Carmel, CA
Ph: (831) 620-2070/FAX: 831-624-2132

Date Received 5/24/12
Application Fee: \$ 25-
Receipt # 47733

APPLICATION FOR PERMIT TO REMOVE OR PRUNE TREES
NO CONSTRUCTION

Location of property: TORRES 2 SE of 5th
Block: 60 Lot: 6

Name of Property Owner: STEPHEN & ANN KENFIELD Name of Applicant/Contractor: MARCIA STUART

Mailing Address P.O. Box 541 Mailing Address: 3775 Via Nona Marie
CARMEL, CA 93921 CARMEL, CA 93923

Phone #: 559.707.7244 Phone #: 831.241.4744

WHO WILL BE REMOVING/PRUNING THE TREE(S): _____
(PLEASE NOTE IF TREE(S) ARE ON CITY OR PRIVATE PROPERTY)

Number, size and species of tree(s) to be removed: ONE MATURE MONTEREY PINE

Number, size and species of limbs to be removed: _____

Number, size and species of roots to be removed: _____
Reason for removal or pruning: WATER OWNERS HAVE PREVIOUSLY REMOVED DRIVEWAY & CUT ROOTS TO PINE DUE TO MAIN RUPTURE & UNUSABLE DRIVEWAY. CURRENT NEW DAMAGE MORE SEVERE. DRIVEWAY CAR, HOUSE DAMAGE. CONCERNS FOR FUTURE SAFETY & LIABILITY.

You will be notified in writing the date and time that your request is scheduled for a hearing. If you or your representative is unable to attend the hearing, your application will be tabled. You may reschedule by contacting the Secretary to the Forest and Beach Commission at (831) 620-2070. You may waive your right to speak at the hearing and authorize the Forest and Beach Commission to act on your request in your absence by signing on the following line:

Date: _____

A SITE PLAN MUST ACCOMPANY THIS APPLICATION AND SHOW THE FOLLOWING:

1. Location, size and species of ALL trees on the lot.
2. Location and species of tree(s)/limb(s) to be removed or pruned
3. Footprint of the structure.
4. Location of areas for tree replanting – The City has adopted Design Review Guidelines which include a minimum tree density per lot. Please review the attached Policy and indicate on the site plan where you intend to plant trees necessary to comply with this guideline.

- > Any decision of the Forest and Beach Commission is based on information submitted with this application – PLEASE BE ACCURATE.
- > NO WORK IS PERMITTED until you have picked up your permit for tree work – The Permit must be posted on the job site when work is being performed.

Owner's Signature Steve Kenfield Date: 5/24/12
Agent for Owners: Marcia Stuart Date: 5/24/12

INCOMPLETE APPLICATIONS WILL BE RETURNED

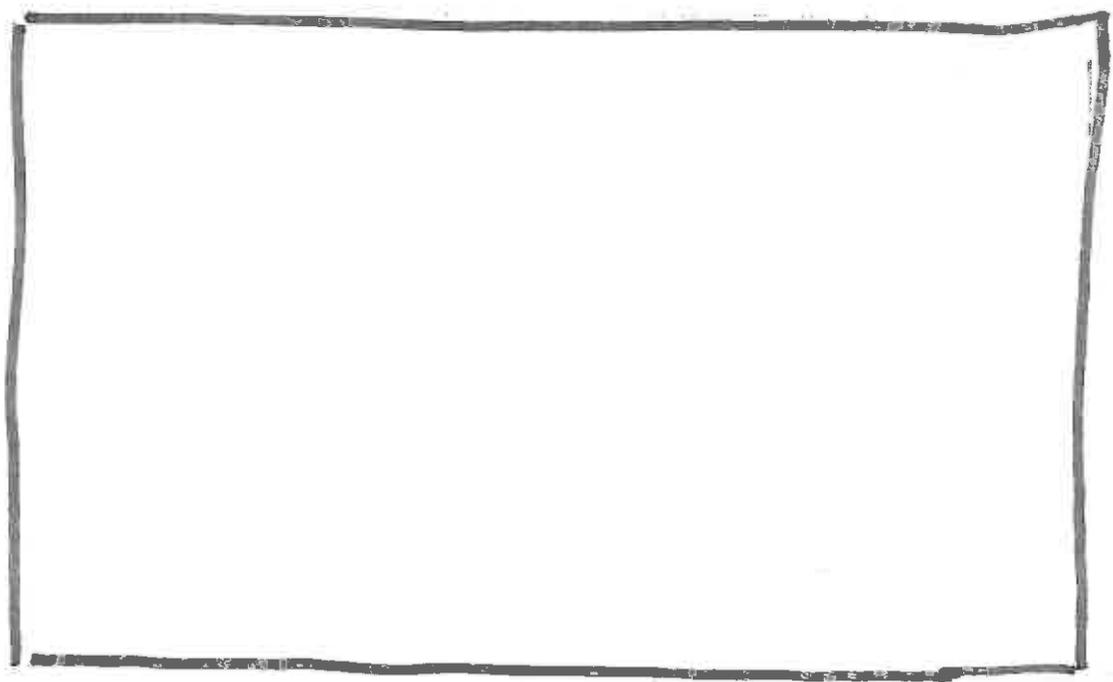
TORRES 2 SE of 5th

Trees?
SHRUBS

○
○
○

○ OAK

○ OAK



○ OAK

← WATER MAIN

○ OAK

○ MD
X

○ MD

○ MAKE

○ OAK

○ MD
○ OAK

○ OAK

○ OAK

○ 18

○ OAK

MEMORANDUM

TO: Chairperson Tom Leverone
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 30 May 2012

SUBJECT: Consideration of revising the tree removal permit ordinance to include the requirement for a planting location map, date for planting, an identification tag, and a date for city inspection.

This item is continued from the May meeting

After a presentation by City Attorney Don Freeman and a report by the Ad hoc committee on tree replacement at the March meeting, and further discussion at the April meeting, the commission decided to revise the tree removal/pruning permit process. The revisions the commission decided to make are: 1) require the applicant to include a specific replanting map with their application; 2) require a specific date for planting any tree(s) that are a condition of the tree permit; 3) have a specific date for the city to inspect the tree planting, 4) a letter to the property owner identifying the conditions of the removal permit, and perhaps two paths – one for non-construction permits and one for construction permits – due to their usually different time lines.

The commission determined that these new requirements should be incorporated into the tree ordinances of the municipal code.

After a review of the following amended code sections at the May meeting, the commission decided to add an identification tag so the trees would be recognized as replacement planting that are to be retained on a property.

I have included the tag element into relevant sections of the code relating to permits, replanting, and tree maintenance with suggested revision language in bold italics. Catalog pages with examples of the various types of tags available are attached for suggestions on the appropriate tagging system; a copy of the current city ID tag for newly planted city trees is also included. A draft letter to property owners, copies of the city application, permit, and planting return form also follow..

17.48.080 Tree Removal and Replacement.

A. Tree Replacement. When tree replacement is required by this chapter, the following requirements apply.

1. Location. Replacement trees shall be planted on-site unless the City Forester recommends that replacement trees be located in the public right-of-way or in an adjacent park/open space area. **All trees shall be planted within 30 days of tree removal or before final inspection if a construction permit. All trees will be identified with a tag provided by the city which will remain attached to the tree until the required annual inspection period has expired.**

2. Tree Quantity. The number of replacement trees required when approving tree removals shall be based on the size of the lot, as listed in Table 17.48-A, the characteristics of the surrounding neighborhood and protection of significant public views, scenic routes and corridors. In some areas fewer trees or only lower canopy trees may be most appropriate.

Table 17.48-A: Recommended Tree Densities		
Lot Size (Square Feet)	Upper Canopy Trees	Lower Canopy Trees
0 – 4,000	3	1
4,001 – 6,000	4	3
6,001 – 8,000	5	4
Over 8,000	As determined by the Forest and Beach Commission	As determined by the Forest and Beach Commission

3. Tree Species. Replacement trees shall be the same species as the removed tree or another species listed on the Tree Species List and as approved by the City Forester except that particular emphasis shall be placed on maintaining a significant population of native Monterey Pine, coast live oaks and Monterey Cypress on a City-wide basis. Replacement Monterey Pine trees shall be of local genetic stock.

4. Tree Quality. Replacement trees shall be of substantial size, caliper, and height to produce an immediate visual impact and reduce the incidence of unauthorized removal. Replacement trees shall be a minimum 24-inch box size except for Monterey Pines, which shall be a minimum 15-gallon size. Larger sizes may be required by the Forest and Beach Commission, or the Planning Commission based in specific design considerations applicable to the project. The City Forester may authorize the use of smaller sizes when trees meeting these standards, or meeting specific conditions of approval, are unavailable.

5. Monitoring and Maintenance. Replacement trees shall be recorded and monitored for at least five years to ensure their establishment and growth to maturity. **The City will inspect the replacement trees annually each October, with proper notification,** ~~and may be inspected by the City to ensure adequate maintenance.~~ Replacement trees that do not survive or are removed shall be

replaced at the owner's expense. (Ord. 2009-07 Att. A, 2009; Ord. 2004-02 § 1, 2004; Ord. 2004-01 § 1, 2004).

12.28.350 Safeguarding Trees That are Required to be Planted as a Condition of Tree-Removal Permit Approval.

A. All trees shall be planted within 30 days of tree removal or before final inspection if a construction permit. All trees will be identified with a tag provided by the city which will remain attached to the tree until the required annual inspection period has expired. Trees required to be kept on a building site and trees required to be planted as a condition of tree-removal permit approval shall be maintained according to accepted arboricultural practices for a minimum of five years from the completion of construction or the date that the tree is planted. **The City will inspect the replacement trees annually each October, with proper notification.**

B. At no time shall these trees be moved without the issuance of a valid permit.

C. Nothing contained in this section shall be deemed to replace or revoke any requirements for the safeguarding of trees found elsewhere in this municipal code or in the ordinances and procedures of the City. (Ord. 95-10 § 1, 1995; Ord. 84-6 § 1, 1984; Code 1975 § 1238).

12.28.180 Permit for Removing Trees, Pruning or Removing Roots on Private Property – Application.

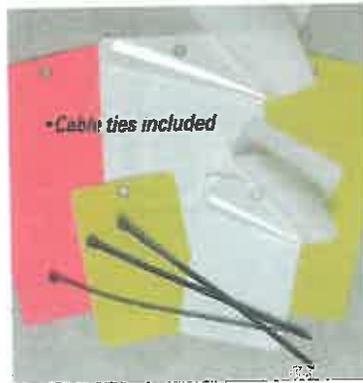
Applications for permission to cut or remove a tree or trees under this chapter shall be submitted to the Director of Forest, Parks and Beach on forms provided by her/him. There shall be a fee for this permit as established by resolution of the City Council. **The application shall include a site map identifying all of the trees on the site, the tree(s) to be removed, and the replacement tree planting location(s).** The Forest and Beach Commission may approve or deny the application and require as a condition on which a permit is granted that replacement trees be planted at a place, of a species and of a size designated by the commission on public or private property. The person requesting the permit may also be required to pay the cost of obtaining and planting the replacement trees. (Ord. 95-3 § 1, 1995; Ord. 88-13 § 2, 1988; Ord. 81-4 § 5, 1981; Ord. 75-10 § 3, 1975; Ord. 236 C.S. § 1, 1971; Code 1975 § 1232.01).

Tree/Plant Tags & Markers

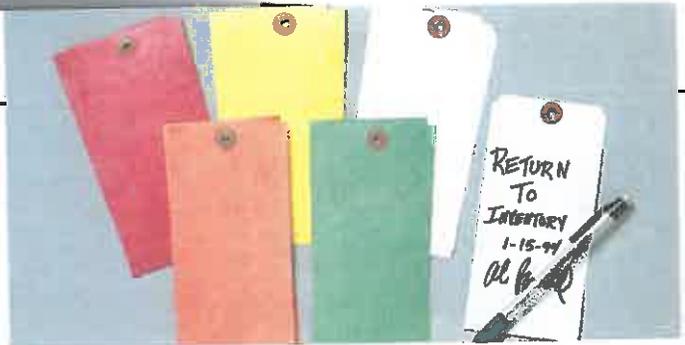
Blank Self-Laminating Tags

Combine the convenience of personalized tags with the added durability of a protective laminate. Self-adhesive plastic overlay on Blank Tags protects your writing against dirt, grease and a variety of chemicals.

Fluorescent Tags get even more attention with their color and larger size. Tear-free brass eyelet extends Tag's useful life. Include cable ties. Choice of colors. Pkg. of 25.



No.	Description	Dim. (in.) H x W	Each Pkg.
9JB-48484	White Tags	5 3/4	\$26.10
9JB-22344	White Tags	8 5	43.50
9JB-48485	Yellow Tags	5 3/4	26.10
9JB-22345	Fluorescent Yellow Tags	8 5	43.50
9JB-22346	Fluorescent Pink Tags	8 5	43.50



Blank Tyvek® Tags

Durable Enough for Use in the Toughest Environments

Customize Tags with specific messages. Super-strong, weatherproof Tyvek withstands tearing and resists water and chemicals. Grommet stands up to repeated pulls and strains.

Choose **Colored** or **White Tags**. Cable ties are included. Order 12" L **Wires** if you need stronger attachments.

Please Specify Color for No. 24635: G (green), OR (orange), R (red), Y (yellow).

No.	Description	Dim. (in.) H x W	Qty / Pkg.	Each Pkg. 1-4 5+
9JB-24635	Colored Tags	6 1/2 3 1/2	100	\$57.70 \$55.10
9JB-24636	White Tags	6 1/2 3 1/2	100	34.60 33.20
9JB-5983-1	12" L Wires		1000	16.90

order online
BENMEADOWS.COM



Vinyl Tag Protectors

Keep Critical Messages Readable

Protect your tag and the written message to make sure your workers get the information they need to stay safe. Ideal for use anywhere, even in high-humidity areas.

Durable vinyl material protects tags and helps them last longer. Flap closure overlaps opening to help keep moisture out. Reinforced eyelet prevents tearing. Pkg. of 100.

No.	Dim. (in.) H x W	Qty./ Pkg.	Each Pkg.
9JB-62635	5 1/2 3	100	\$116.00
9JB-62637	11 9	100	329.00
9JB-41917	4 1 1/2	100	99.20
9JB-41920	7 1/2 4	100	168.00

Colored Vinyl Tags

An easy, effective way to identify equipment, leave instructions and more.

Durable 10-mil plastic stock accepts handwriting or typing. Perfect for a color-coding system—available in five sizes and colors. Order with or without attachment wires. Pkg. of 25.

Please Specify Color: OR (orange), R (red), S (silver), W (white), Y (yellow).



No.	Dim. (in.) H x W	1-9	10-24	25+
WITH WIRES				
9JB-48487	2 1/2 1 1/2	\$20.70	\$19.70	\$19.00
9JB-48489	3 1/2 1 1/2	28.40	26.90	25.80
9JB-48491	4 1/2 2 1/2	37.50	35.60	34.40
9JB-48493	5 1/2 2 1/2	41.00	39.20	37.20
9JB-48495	6 1/2 3 1/2	47.80	45.50	43.10
WITHOUT WIRES				
9JB-48486	2 1/2 1 1/2	15.90	15.30	14.50
9JB-48488	3 1/2 1 1/2	23.60	22.70	21.50
9JB-48490	4 1/2 2 1/2	33.60	32.10	30.70
9JB-48492	5 1/2 2 1/2	37.30	35.70	34.40
9JB-48494	6 1/2 3 1/2	42.90	41.00	39.20

Markal® Pro-Wash™ Washable Markers

Washable Ink is Ideal for Temporary Marking Jobs

Markers use real paint to make marks that wash off quickly and easily with water or mild detergent. Paint dries in just 30-60 seconds

and can be used on metal, glass, plastic, ceramic and other nonporous surfaces. Paint will not ghost or bleed through when removed or when painted over. Use in temperatures of 0°-150°F (-18° to 66°C).

Pro-Wash W Marker washes off with plain water.

Pro-Wash D Marker removes with a mild detergent with a pH of 10 or greater.

Please Specify Color: B (blue), BL (black), GRN (green), R (red).



No.	Description	Specify Color	Each Pkg.
9JB-152463	Pro-Wash W Marker	B, BL, GRN, R	\$3.00
9JB-152465	Pro-Wash D Marker	B, BL, GRN, R	3.00



Forestry Suppliers, Inc.

Forestry Suppliers "Al Tag" Double Faced Aluminum Tag
1178

Write with pencil, pen or pointed instrument on front or back without show-through. Debossed mark remains visible, regardless of weather, grease, pitch or dirt. Aluminum sheet wrapped around tagboard. 3/4" x 3". Hole diameter 1/8". Comes with 9" wire (not inserted).

Box of 1,000 tags	3.25 lbs.	79500	\$94.50
		5+	\$87.25

Aluminum Tags With Cardboard Backing
1181

Sturdy cardboard backing allows you to permanently emboss aluminum front. Write on cardboard with pen or pencil. 9" Copper wire inserted. Box of 500.

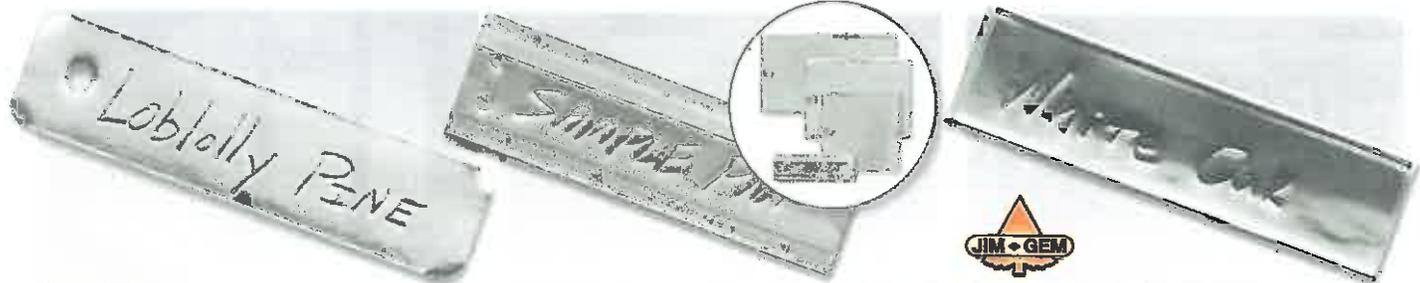
3/4" x 3-1/2", Box of 500	2.75 lbs.	79201	\$58.95
1-1/2" x 3-1/2", Box of 500	4.75 lbs.	79234	\$79.95

PermaTags

1179

Aluminum tags, 1" x 3-1/2". Write or emboss on one side. To attach, bend attached strip around, insert in hole and crimp. Box of 500.

PermaTags, Box of 500	1 lb.	79118	\$29.50
		5+	\$25.25



Scot Tags
1180

Tagboard laminated between two layers of aluminum. 5/32" Diameter hole. Emboss permanently on both sides. Box of 100.

Tag Size	Weight	Tag	Each	100	1000
1-3/8" x 3-1/8"	8 oz.	79271	\$40.00	\$37.00	—
3/4" x 3"	4 oz.	79272	\$27.25	\$24.50	—

Tag Size	Weight	Tag	Each	5+	10+
2" x 4"	15 oz.	79274	\$44.50	\$40.75	\$36.25
3" x 6"	1.75 lbs.	79275	\$66.75	\$62.95	—

Double-Faced Aluminum Tags
1182

Aluminum wrapped cardboard, write or emboss on either side. 6" wire. Wire not inserted. Box of 500.

Tag Size	Weight	SN	Box	10+	20+
7/8" x 3"	3 oz.	79260	\$4.90	\$4.50	\$4.00

Tag Size	Weight	SN	Box	10+	
3" x 3"	10 oz.	79261	\$32.00	\$29.00	\$26.50
3" x 4"	12 oz.	79262	\$34.00	\$30.90	\$28.00
3" x 5"	1 lb.	79263	\$36.00	\$32.65	\$29.85



JIM-GEM® Aluminum Tags
1183

Aluminum tags, 1" x 3-1/2". Write on or emboss with pencil or pointed instrument. Attach with nail, tack or staple. Box of 500.

JIM-GEM Aluminum Tags	1.25 lbs.	79170	\$29.50
		5+	\$25.25



Wood Pot and Garden Stakes
1825

Ideal for labeling plants in nurseries, horticulture labs, and research plots!

Made from top-quality birch. Can be written on with ballpoint pen, pencil, markers, and crayons.

5/8" x 6", Pack of 1,000	7 lbs.	79494	\$41.95
1-1/8" x 12", Box of 250	6.5 lbs.	79495	\$37.90
		3+	\$34.80



"Perfect" Plastic Pot Labels
1824

Plastic labels will not curl, crack, or fade. Easily marked - can be washed and re-marked. Box of 500.

3/4" x 4", Box of 500	2 lbs.	79496	\$27.95
		5+	\$25.50
1" x 6", Box of 500	2.75 lbs.	79497	\$35.50
		5+	\$31.75
1-1/4" x 8", Box of 500	4.5 lbs.	79498	\$46.50



Weatherproof Sealable Tags
1189

Customize your own weatherproof tags!

Write on the tag, remove the backing, and press both sides together to seal. Four styles are available, each style comes in a pack of 100 tags. Hi-vis yellow.

2" x 2-1/2" with 2 holes	15 oz.	79604	\$46.50
		5+	\$43.95
1-1/2" x 3" with 1 hole	8 oz.	79605	\$41.95
		5+	\$38.75
3-1/4" x 5-1/2" with eyelet & wire attachment	2.25 lbs.	79606	\$89.95
		5+	\$82.00
2-1/2" x 5" with 1 hole	1.25 lbs.	79608	\$59.95
		5+	\$56.50



18" Tag Stake
8007

Great for tagging seedling plots! 0.115 brite wire, these stakes measure 18" long and feature a wire loop at the top for securing an identification tag. Tags are sold separately.

18" Tag Stake, Box of 500 36 lbs.	79202	\$87.25
	3+	\$78.75



Haglöf Long Tag Hammer page 93

Numbered Actual Size

Unnumbered Actual Size



Round Aluminum Tags
1186

1-1/4" and 1-1/2" diameter tags are made of 0.05" thick aluminum with 0.125" hole diameter.

For quotes on runs over 1,000 - call toll-free 1-800-647-5368 or see our web site - www.forestry-suppliers.com.

Note: The only aluminum nails which can be used with the round aluminum tags are 79120 and 79121.

Numbered Tags

Dia.	Weight	1-100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000	1-1000	1-1/2"	3+*
1-1/4"	10 oz.	79366	79367	79368	79369	79370	79372	79373	79374	79375	79376		\$13.40	\$12.20
	6 lbs.											79377	\$112.50	
1-1/2"	9.5 lbs.											79389	\$149.95	

Unnumbered Tags

Dia.	Weight	Box of	SN	1-1	10+		
1-1/2"	13 oz.	100		79363	\$17.95	\$16.40	\$15.00
1-1/4"	10 oz.	100		79360	\$13.40	\$12.20	\$11.00



Numbered Actual Size

Unnumbered Actual Size

Racetrack-Shaped Aluminum Tags
1187

2-3/4" long x 1" wide tags are made of 0.025" thick aluminum. 0.187" diameter hole. 100 tags.

Numbered Tags

LxW	Weight	1-100	101-200	201-300	301-400	401-500	501-600	601-700	701-800	801-900	901-1000	1-1000	3+*
2-3/4" x 1"	11 oz.	79142	79196	79197	79198	79199	79265	79266	79267	79268	79269		\$11.20
	6.25 lbs.											79184	\$93.50

Unnumbered Tags

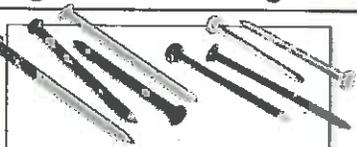
LxW	Weight	Box of	SN	1-1	10+	
2-3/4" x 1"	11 oz.	100		79182	\$11.20	\$10.15

DREMEL Engraver
1177

Writes like a pencil on aluminum tags, metals, plastic, glass and many other materials.

Stroke adjustment regulates depth of engraving. 115V, 0.2 Amps, 60 Hz, AC only. Includes power cord and one carbide point.

Dremel Engraver 13 oz.	37229	\$26.50
Replacement Carbide Point 1 oz.	37231	\$6.75
Optional Diamond Point for hard steel 1 oz.	37232	\$18.65



Wood Siding Sinker Head Style Aluminum Nails
1185

Won't Harm Trees or Saws!

2-1/8" Long
0.109" diameter shank,
17/64" diameter head.

Slightly over 1 lb. box, contains approximately 575 nails. 1.5 lbs.	79120	\$8.90
	10+	\$7.85

50 lb. Bulk Box, contains approximately 446 nails per pound. 52.75 lbs.	79121	\$245.00
--	--------------	-----------------

2-7/8" Long
0.145" diameter shank,
5/16" diameter head.

Slightly over 1 lb. box, contains approximately 290 nails. 1.5 lbs.	79280	\$9.90
	10+	\$9.10

50 lb. Bulk Box, contains approximately 204 nails per pound. 52.75 lbs.	79281	\$245.00
--	--------------	-----------------

Aluminum Siding Plain Shank Style Nails
1185

2-1/4" Long
0.128" diameter shank, 3/8" diameter head. Approximately 333 nails per pound. Used by U.S. Forest Service in permanent sample plots.

1 lb. Box	1.25 lbs.	79285	\$6.75
	10+		\$5.95
50 lb. Box	52.5 lbs.	79284	\$209.00

3" Long
0.128" diameter shank,
3/8" diameter head. Approximately 254 nails per pound.

1 lb. Box	1.25 lbs.	79286	\$6.75
	10+		\$5.95
50 lb. Bulk	51.75 lbs.	79287	\$209.00



Hand Stamp Steel Dies
5789

1/4" Short face Gothic type. All sets supplied in wooden box.

Number Set, 1 through 0 1.25 lbs.	57490	\$23.75
Combination Letter and Number Set 4.25 lbs.	57522	\$85.95

24

THIS TREE IS PUBLIC PROPERTY IN PUBLIC RIGHT OF WAY



You may be cited under Municipal Code, Chapter 12.28 if you remove, prune, or damage this tree. If you question this tree's location or health, contact the City Forester at 620-2070. DO NOT take action on your own !

City of Carmel-by-the-Sea

FOREST AND BEACH DEPARTMENT

POST OFFICE BOX "55"

CARMEL-BY-THE-SEA, CA 93921

(831) 620-2070 OFFICE

(831) 624-2132 FAX

25 April 2012

Mr. John Doe
P.O. Box XXX
Carmel, CA 93921

SUBJECT: PERMIT FOR TREE REMOVAL
N/ XXXXX AVE., 2 WEST OF YYYYYY ST.
CARMEL-BY-THE-SEA, CA

Dear Mr. Doe:

The City of Carmel-by-the-Sea has issued a permit (#1234) on DATE to remove a XXXX tree on your private property at the above location.

This letter is to notice you of the following permit conditions:

1. **Plant one XXX tree on your property within 30 days in the location identified by the City Forester from the site map provided with the removal application.**
2. **Maintain the planted tree in a healthy condition for five years.**
3. **City staff will inspect your tree planting annually during October – you will receive notice prior to the inspection.**

Replanting new trees after a tree is removed is essential for the long term sustainability of Carmel's signature urban forest. Your cooperation and stewardship is extremely important to maintain and enhance this vital community asset.

Failure to abide by these conditions is a violation of the Carmel-by-the-Sea Municipal Code (C.M.C. 12.28.185) and subject to issuance of a citation.

If you have any questions or require additional information, please phone our office at (831) 620-2010.

Sincerely,

Mike Branson
City Forester

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**APPLICATION FOR PERMIT TO REMOVE OR PRUNE TREES
NO CONSTRUCTION**

Location of property: _____
Block: _____ Lot: _____

Name of Property Owner: _____ Name of Applicant/Contractor: _____

Mailing Address _____ Mailing Address: _____

Phone #: _____ Phone #: _____

WHO WILL BE REMOVING/PRUNING THE TREE(S): _____
(PLEASE NOTE IF TREE(S) ARE ON CITY OR PRIVATE PROPERTY)

Number, size and species of tree(s) to be removed: _____

Number, size and species of limbs to be removed: _____

Number, size and species of roots to be removed: _____

Reason for removal or pruning: _____

You will be notified in writing the date and time that your request is scheduled for a hearing. If you or your representative is unable to attend the hearing, your application will be tabled. You may reschedule by contacting the Secretary to the Forest and Beach Commission at (831) 624-3543. You may waive your right to speak at the hearing and authorize the Forest and Beach Commission to act on your request in your absence by signing on the following line _____
Date: _____

A SITE PLAN MUST ACCOMPANY THIS APPLICATION AND SHOW THE FOLLOWING:

1. Location, size and species of ALL trees on the lot.
2. Location and species of tree(s)/limb(s) to be removed or pruned
3. Footprint of the structure.
4. Location of areas for tree replanting - The City has adopted Design Review Guidelines which include a minimum tree density per lot. Please review the attached Policy and indicate on the site plan where you intend to plant trees necessary to comply with this guideline.

Any decision of the Forest and Beach Commission is based on information submitted with this application --
PLEASE BE ACCURATE.

NO WORK IS PERMITTED until you have picked up your permit for tree work -- The Permit must be posted on the job site when work is being performed.

Owner's Signature _____ Date: _____
Agent for Owners: _____ Date: _____

INCOMPLETE APPLICATION WILL BE RETURNED



Post Office Box SS
 Carmel, CA 93921
 Ph: (831) 620-2070 FAX: 831-624-2132

Permit # 2362

Date: _____

Receipt #: _____

Exact location of property: _____ Block: _____ Lot: _____

Name of Property Owner: _____ Phone: _____

Owner's Mailing Address: _____

Contractor: _____ Phone: _____

Mailing Address: _____

City Lic. No.: _____ State Lic. No /Type: _____

Approved for removal or pruning: _____

Replant: _____ upper / lower canopy trees // species: _____ // _____ gallon / box size

Additional Conditions: _____

Conditions/Requirements:

1. ALL Permits must be obtained before any tree is removed or pruned, i.e. Building, Demolition, Coastal Comm., etc.
2. The City Forester must be contacted two days before tree work commences.
3. All tree work must be done by a tree service company currently licensed by the City of Carmel-by-the-Sea.
4. When grading for building foundations or footings, any roots larger than 2" in diameter must NOT be cut unless approved by the City Forester.
5. Mechanical equipment for grading operations will NOT be permitted within the root zones of any tree(s) unless approved by the City Forester.
6. A tree's root zone that has been exposed to the air due to grade cuts; this area must be covered with a moist tarpaulin to prevent drying of the root zone. This cover must be kept wet.
7. All trees retained on the site that are in danger from construction must have wood bumper protection surrounding tree trunks during the project. (The protection shall be 2" x 4", 8' high on the tree, no more than 1" apart).
8. All tree(s) required to be planted, shall be installed prior to the final building inspection or 30 days after the issuance of this permit.
9. All replacement trees must be maintained in a healthy condition for a minimum of 5 years
10. I will return the attached page within 30 days, and indicate where and when the replacement trees were planted.

I understand and agree to comply with all pertinent conditions, standards and requirements as specified by the Carmel Municipal Code. I understand that the issuance of a permit is based upon plans and specifications attached hereto shall not prevent the Building Official or the City Forester from thereafter requiring the correction of errors in said plans and permits when in violation of any City Code and/or Ordinance. Any deviation and/or change in these plans shall be approved by the City Forester or the Forest and Beach Commission. I agree to properly execute the subject work at no expense to the City and to indemnify the City from any liability arising from the permit issued. Acceptance by the City of the work described hereon is not a waiver of my obligations as stated herein.

Expiration of Permit: This permit expires if the work is not performed within 1 year of issuance. This permit must be renewed before the work may be commenced again.

This permit must be posted on the job site when work is being performed.

Agent/Property Owner's signature: _____ Date: _____

Approved by _____ Date: _____

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Date: _____

Receipt #: _____

Exact location of property: _____ Block: _____ Lot _____

Name of Property Owner: _____ Phone: _____

Owner's Mailing Address: _____

Contractor: _____ Phone _____

Mailing Address: _____

City Lic. No.: _____ State Lic. No /Type: _____

Approved for removal or pruning: _____

Replant _____ upper / lower canopy trees // species: _____ // _____ gallon / bc

Additional Conditions: _____

Your permit for tree removal/pruning has been issued to you by the City of Carmel-by-the-Sea with the condition that a tree(s) be planted in replacement. It is the intent of the City of Carmel-by-the-Sea to fully implement its reforestation policy as outlined in the City of Carmel-by-the-Sea's Municipal Code (Chapter 12.28.180 and Chapter 17).

Tree replacement is vital to the health and continuance of your urban forest and is one of the conditions that have been agreed to by your signature on the tree removal permit. Please return this page with a sketch showing what species and location of the replacement planting(s). You are required to return this form to the Forest Parks and Beach Department within 30 days at the above address.

Area for sketch:

Random inspection will be scheduled, at which time, if the replanting requirements are not satisfied, appropriate action will result. This may lead to an issuance of a citation for an infraction, punishable by a fine as stated in Municipal Code, Section 12.28.185.

29

MEMORANDUM

TO: Tom Leverone, Chairperson
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 30 May 2012

SUBJECT: Discussion and review of a revised proposal by Sustainable Carmel for a public education program at Carmel Beach.

Sustainable Carmel has proposed a public education and recycling program for visitors to Carmel Beach on the July 4, 2012 holiday. The commission gave their approval of the program spelled out below during the February 2012 meeting.

A Sustainable Carmel representative will outline revisions to expand their program at this meeting.

The following email presents the basic idea for the 4th of July program:

From: Margaret Eaton [maggie@ronandmaggie.com]
Sent: Wednesday, January 18, 2012 11:36 AM
To: Mike Branson
Subject: request to be on your agenda

Hello--I am a representative of Sustainable Carmel, part of Sustainable Monterey County, a 501(c)(3) dedicated to making our communities environmentally sustainable. I'd like to present a project for your consideration at your next commission meeting. We propose to partner with Waste Management to set up recycle bins and people (from our group, the high school, and Waste Management) at the top of all of the steps to Carmel Beach this coming July 4th to give beach users information about how to responsibly picnic and use the beach. We will hand out bags to bring trash and recycles to our stations and help people sort what goes into what bins.

Our goals-- to reduce the large amounts of trash that get left on the beach; to reduce the eating of leftover food that the gulls, crows and dogs eat; to instruct on how to build and leave bonfires; to reduce garbage and plastic that gets into the ocean; to educate people about responsible use of the beach; to include high school kids in this education and help them fulfill their community service obligations.

Please let me know if we can present this project to your commission.

Thank you,
Maggie Eaton
Sustainable Carmel

MEMORANDUM

TO: Tom Leverone, Chairperson
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 30 May 2012

SUBJECT: Review and provide a recommendation to the City Council regarding a request from a resident for extending the dogs on-leash requirement to the North Dunes boardwalk.

Sandra Berris has submitted a letter to the city requesting the North Dunes boardwalk be considered for the dogs on-leash requirement similar to the rule in effect for the Scenic Rd. (C.M.C. 6.08.031). Her reasoning is spelled out in her letter which is attached. Relevant sections of the Municipal Code follow.

Currently dog activity in this area of Carmel Beach is covered by C.M.C. 6.08.030 which allows off-leash activity under voice command as defined in C.M.C. 6.08.015 (B). There are roped off areas with sensitive plants adjacent to the boardwalk that are probably not impacted by a single dog off-leash. Many dogs running or digging in the sensitive areas could potentially damage the dune plants and degrade their habitat. These plants typically do not endure with heavy foot traffic – man or dog.

The city adopted the Del Mar Master Plan in 2009 as a guide for the management of the various issues related to this area of Carmel-by-the-Sea. The plan addresses parking, traffic flow, public access, and environmental resources of the parking area and the dune area north of Ocean Ave. The master plan addresses dogs in the dune area in a general manner (pages attached) but mentions keeping dogs on leash and/or possibly additional fencing around sensitive plant areas.

Although the Ms. Berris's letter refers to the boardwalk area, the commissioners should consider this request and the overall dune environment to provide a recommendation to the city council regarding a possible change to the applicable code section(s) for the boardwalk or the entire North Dunes area.

6.08.015 Animals in Residential Districts.

A. Running at Large Unlawful. It is unlawful within the residential zones of the City (R-4 and R-1 districts) for the owner of any dog or other animal, or person having charge or control over said dog or animal, whether licensed or unlicensed, to suffer, permit or allow said dog or other animal to run at large on any

public street, alley, park, square or place, or on any vacant or unenclosed lots or land, or on any developed private property without the consent of the owner, occupant or tenant of the property.

B. Running at Large Defined. A dog or other animal shall be deemed "running at large" within the meaning of this chapter unless under voice command as defined herein, or led or restrained by a chain, strap or cord attached to its collar and which is actually held by some person or made fast to some stationary object. A dog shall be deemed "under voice command" only if: 1) the owner of the dog or person having charge or control over the dog has on her/his person or attached to the dog a chain, strap or cord enabling the person to quickly put the dog on leash; 2) the dog is not more than 25 feet from the person at any time; 3) the dog will return to within three feet of the person upon command; and 4) the dog will remain within three feet of the person when other persons or animals are present. If any of these four criteria are not met, a dog shall not be deemed under voice command and, unless on leash, shall be deemed to be running at large.

C. Exclusions From Prohibition. Domestic cats are excluded from the applicability of this section.

"Domestic cats" means cats of species which are customarily tame and kept as pets. "Domestic cats" shall not mean any members of the cat family which are tamed but are customarily wild or are big cats such as bobcats, mountain lions, lions, ocelots, leopards or the like. (Ord. 82-10 § 1, 1982; Code 1975 § 630.01).

6.08.030 Dogs on Public Beach and Park Land.

It is unlawful for the owner or person having charge of any dog to permit the dog to run at large on any City-owned beachlands or on any City-owned park lands unless the owner or person having charge is also present and in control of the dog at such time as it is running loose. (Ord. 77-1 § 1, 1977; Ord. 201 C.S. § 1, 1969; Code 1975 § 630.2).

6.08.031 Dogs on Scenic Road.

On Scenic Road from its eastern property edge to the base of the beach embankment between Eighth Avenue and the south City limits, all dogs and other animals shall be deemed running at large within the meaning of this chapter unless led or restrained by a chain, strap, or cord attached to their collars which is actually held by a person or made fast to a stationary object. (Ord. 89-25 § 1, 1989).

Sandra Berris
P.O. Box 523
Carmel-by-the-Sea, CA 93921

May 11, 2012

Carmel-by-the-Sea City Council,
c/o Mayor Jason Burnett
P.O. Box CC
Carmel-by-the-Sea, CA 93921

Dear Council Members,

We respectfully encourage the Town of Carmel to consider extending the application of Municipal Code 6.08.031 (dogs on Scenic Road) to include the North Dunes Boardwalk.

As my husband and I were enjoying a walk along the new North Dunes Boardwalk that provides beach access near the Carmel Gate, we were shocked to see several large dogs running wild along the boardwalk and through the areas clearly marked as protected zones for certain endangered plant and animal species. Our request to the owners to please put their dogs on leash until they got down the narrow stairway to the beach below was met with icy stares and a reply that there was no town code that required them to do so.

We had no idea about the town code governing this area, but as frequent walkers along the beach path adjacent to Scenic Road we assumed the same rules (Municipal Code 6.08.031 - Dogs on Scenic Road) would apply. The small signs that are posted along the Scenic Road beach path serve as an effective reminder that dogs in this area must be leashed. The logic behind the Code is common sense and the great majority of dog owners respect this requirement, not just for the safety of the many pedestrians that use this shared space, but also to enable small children and our elderly residents and visitors to enjoy the beauty of the Carmel Beach without worrying that a loose, bounding dog may be just around the corner.

As we now have learned from a review of Carmel's Municipal Codes, the North Boardwalk beach access is not specifically referenced in Code 6.08.031. For the sake of consistency in the rules that apply to similar shared-use space, the preservation of the protected areas delineated on the dunes themselves, and the safety of the pedestrians (including many elderly and small children) that have to navigate the narrow, steep stairway down to the beach, it would seem sensible to apply the same Municipal Code to the North Dunes Boardwalk that applies to the Scenic Road beach path. Signage similar to that used on the Scenic beach path would serve as a reminder to everyone that this beautiful access path is shared

space to be enjoyed in a safe and respectful manner, as well as the importance of protecting the delicate dunes ecosystem.

Thank you for your consideration of this suggestion.

Sincerely,

A handwritten signature in cursive script that reads "Sandra Berris".

Sandra Berris
(cell: 914.391.4099)

cc: Mike Branson, Forest & Beach Department
Forest & Beach Commissioners, c/o Les Kadis
Michael Calhoun, Interim Police Chief

sider constructing an ADA compliant boardwalk in North and Del Mar Dunes.

12. Through information panels, interpret the natural and cultural history of the dunes and Carmel Bay.
13. Consult with the CA Department of Fish and Game for plan review and approval. Obtain a permit from CA Fish and Game for collection, propagation and planting of a State Listed plant species. Submit special status species information to CA DFG on Tidestrom's lupine population surveys and any sightings of Black legless lizards.

Restoration Implementation Methods

Access

Presently, all foot traffic through the dunes is uncontrolled, and is negatively impacting the native dune scrub and sensitive species. The dunes, designated as ESHA, are subjected to a high concentration of human use due to the proximity of the Del Mar parking lot and the beach. By designating trails, people and their leashed dogs can visit the dunes or pass through on their way to the beach with only a minimal impact, if any.

The size of the North Dunes presents the opportunity to provide a loop trail for viewing the dune habitat, access to the beach from San Antonio Ave. and a vista point of the Carmel Bay and Point Lobos. Providing a ADA compliant boardwalk on some of the North Dunes trails would open the dunes to disabled persons and others not inclined to trudge through the sand. Coastal dune boardwalks have proven to not only provide access to those not able to physically maneuver in the sand but many people who bypass sand dunes for an easier path. Coupling the boardwalk with interpretive panels or programs will increase the general understanding and appreciation of the very special habitat found in the City of Carmel's dunes.

The Del Mar Dunes, although limited in size could provide an exciting addition to the assets of Carmel Beach. An ADA compliant boardwalk leaving the south end of the parking lot, running south into the Del Mar dunes, would provide an avenue for the disabled, seniors and visitors not prepared for deep sand walking to experience views of the ocean, the Carmel Bay, Point Lobos, Pebble Beach and of course the beach strollers and their dogs. Extending this trail with a sand path to the Eighth Ave. stairs would complete the City of Carmel's portion of the California Coastal Trail, a statewide endeavor to provide a public coastal trail from Oregon to Mexico.

The sand trails and the boardwalk should be fenced to delineate the pathway and to keep people on the designated trail. One of the most unobtrusive methods of fencing is the eye rod and cable fence shown in the pictures below. Boardwalks can be constructed of a natural wood such as redwood or a recycled material such as Treks. The width of the trails should be at least 4 ft to allow easy passing. Sand trails can be made wider to provide the City's maintenance staff easy access and to give visitors a spacious feeling. However, the wider the trail, the greater amount of bare sand that will blow with the prevailing winds, especially in the spring. Blowing sand is a major cause of plant seedling mortality in the late spring, which limits reproduction and establishment of the native dune scrub.

ing should follow the methods outlined in the previous section.

The locations of Tidestrom's lupine plants on the North Dunes are being negatively impacted by human and pet trampling. Fencing the plant locations may be necessary to protect the endangered species from disturbance, especially near the volleyball courts. However, if the proposed trail system is installed, and hikers are respectful of the dunes and stay on the designated trails, fencing of the lupine may not be needed. As a part of the annual monitoring of the lupine population, the need for fencing will be considered and if deemed necessary will be added. A simple plastic coated cable and steel eye rod style of fence should be sufficient to give visitors the message to avoid the area and only create a minimal visual impact.

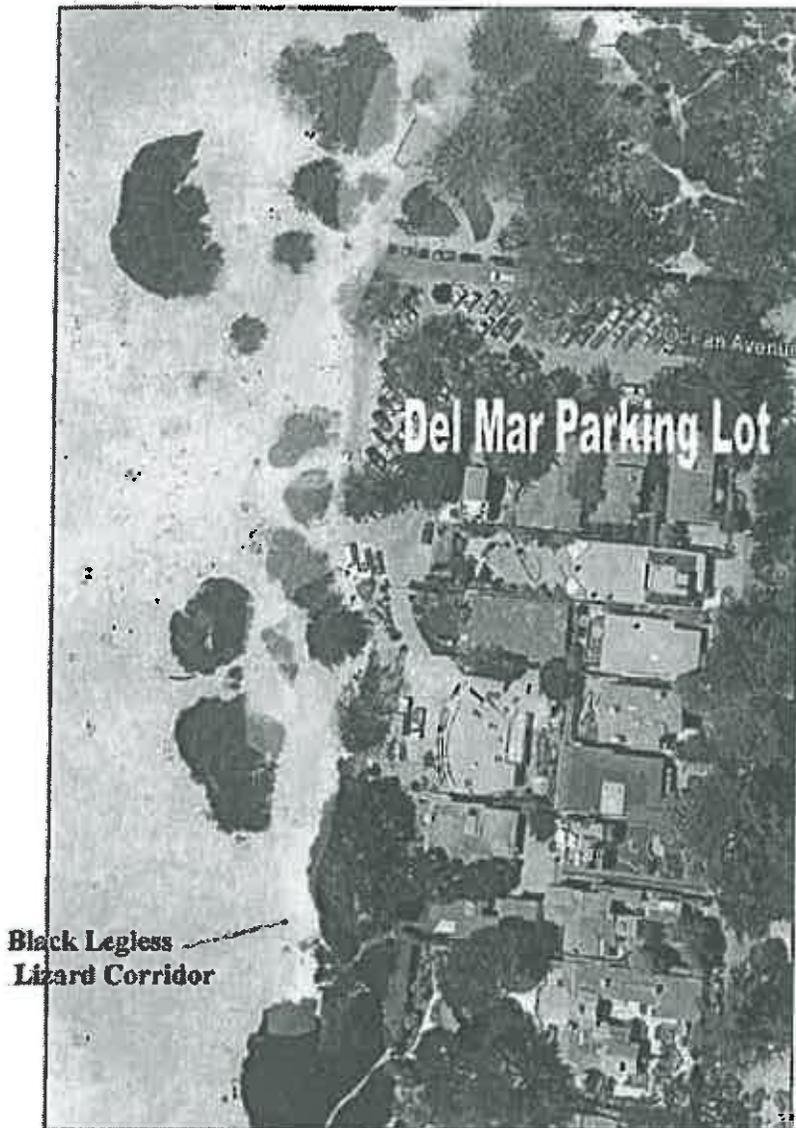


Photo 13: Proposed Black Legless Lizard Corridor.

Black Legless Lizard: The historic photographs of the original dunes behind Carmel Beach (Photo 6) show large expanses of dune scrub that appears to be ideal habitat for the black legless lizards. Today, their habitat is limited to North and possibly Del Mar Dunes. A goal of this restoration program is to improve the quality of habitat for the black legless lizard by establishing large stands of native dune scrub, and creating a habitat corridor between North Dunes and Del Mar Dunes for lizards to be able to move between the two areas.

The restoration methods outlined in the section above will be used to restore the dune scrub to the bare sand areas and where non-native plants are removed. In addition, a habitat corridor between North Dunes and Del Mar Dunes shall be established with some specific planting of *Ericameria ericoides*, *Eriogonum parvifolium*, *Lotus scoparius*, *Lupinus arboreus*, and *Phacelia ramosissima*. These plant species create especially good habitat for the legless lizards due to the size and shading ability of their canopy, and the large amount of annual leaf litter that collects under the shrubs. The litter attracts insects which the legless lizards feed upon. Large bare sand pathways will be necessary to allow visitors to move easily from the Del Mar

- Removal of aggressive exotic plants on the project site, including any live sprigs of iceplant.
- Replant vegetation if necessary until the site is stabilized. Planting should be limited to winter and spring months.
- Addition of organic fertilizer around plantings that have not shown typical growth.
- Repair or adjusting the irrigation system and/or schedule. Inspect the irrigation system during a watering cycle to detect any leaks or malfunctions. Evaluate the emitter placement and the adequacy of the sphere of water delivered at each plant.
- If animal browse is heavy, caging Tidestrom's lupine or fencing the site may be considered.
- Replacement of jute netting or their stakes if used.
- Re-apply straw planting in disturbed areas or areas where new sand deposition has occurred.
- Addition of segments of wind fencing to break up strong wind patterns.
- Consider the addition of fencing around any Tidestrom's lupine locations that are being impacted by foot traffic.
- Other actions identified during the monitoring, necessary to meet the success criteria.

Monitoring Methods

To insure the long-term protection and maintenance of the Tidestrom's lupine and Black Legless Lizard within the dunes in the City of Carmel, on-going monitoring of the populations should be implemented.

Tidestrom's lupine should be monitored annually by a qualified biologist. The information collected each year should include:

1. Direct count of individuals, noting number of mature blooming plants, and number of non-blooming seedlings. These numbers should be compared with previous surveys to determine whether the population is stable, increasing, or declining.
2. Note any impact from human use of the dunes. Considered fencing as a protection measure.
3. Note encroachment from non-native plant species and trigger maintenance actions to remove the weeds.
4. Map locations in North Dunes, analyze reasons for any changes from previous years.
5. Submit annual data collected to CA Department of Fish & Game's CA Natural Diversity Data Base.

Black Legless Lizards are difficult to assess both the population size or population stability. As more information is developed for the species, including what constitutes a viable population, and established methods to estimate population size and stability, these endeavors should be undertaken. In the interim, once every 5 years, a survey for presence/absence should be undertaken to confirm the continued presence of the lizards.

Restoration Program Success Criteria

MEMORANDUM

TO: Tom Leverone, Chairperson
Members of the Forest and Beach Commission

FROM: Mike Branson, City Forester

DATE: 31 May 2012

SUBJECT: Consideration of Developing an Arbor Day Event for 2012

The City of Carmel does not have an officially designated "Arbor Day". A day to recognize and promote the value of trees to the community fulfills a duty and responsibility of the Forest and Beach Commission, as well as, meeting one of the requirements for designation as a Tree City USA.

Previous "Arbor Day" events:

2005 - Tree seedling giveaway in December at Devendorf Park.

2006, 2007, and 2008 - Guest speaker presentations on tree care, pruning, and landscaping were co-sponsored with the Friends of Carmel Forest at Sunset Center.

2009 – Tree care workshop in February at Vista Lobos. Presentations were made by the City Forester and arborist Peter Quintanilla from the Friends of Carmel Forest.

2010 – Trees and Art event at the Sunset Center, Carpenter Hall. Guest speakers on the Carmel forest management plan and the use of local trees in the art history of Carmel and the Monterey Peninsula. The event also featured a juried art and photo competition. This event was co-sponsored with the Friends of Carmel Forest.

2011 – Tree forum featuring local architect Paul Byrne speaking on sustainable building, Monterey Pine Watch presented an overview of their new book on the Monterey pine forest, .Sustainable Carmel introduced their organization and their plans for the future, and the city forester spoke about Carmel's tree rules.

Notes from the critique of the 2011 event during the January commission meeting are:

- to bring this matter to the commission in early 2012
- Start planning in June/July and set a date as early as possible.
- Consider a Saturday program.
- Attract a more diverse audience.
- Possible children's program; more interactive and hands-on.
- Maximum of 2.
- Get press release and advertising out 4 weeks prior and run advertising over 2-3 weeks.
- Use Sunset Center Studio 105 rather than Carpenter Hall.
- Program geared on care of trees with an environmental component.

FORESTER REPORT

2011												
	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT,	NOV.	DEC.
Trees removed			2 (10 - storm loss)	12	6	13	2	0	2	20	12	8
Trees planted			15	11	7	5	4	0	2	3	3	5

Note: several of the plantings in June and July were replacements of recently planted trees that died or were damaged in the storm in June, not new planting locations.

2012												
	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT,	NOV.	DEC.
City trees removed 1-storm	10	10	20*	2	5							
City trees planted	5	7	8	12	2							
Private trees removed	9	4	4	4	2							
Private trees removed - const.	5	3	3	9	0							

* Six eucalyptus trees and four dead pines removed on Ocean Ave.