* CHOMOGRADIAN GROUP - HIGHLAND ESTARS -88 COMPENS WENT, LOT 1) CORDUR HILL PLACE

PART 2. CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

"I/we certify that based upon periodic site observations, the work has been completed in accordance with the ordinance and that the landscape planting and irrigation installation conform with the criteria and specifications of the approved Landscape Documentation Package."

Signature*	Date 12 30 202
Name (print)	Telephona 18 864-1971
THE LONG AND	Fax No. 415 864-4796
Title LANDSCARE ASSETTINECT	Email Addressia VALAHC.Com
License No. or Certification No.	
Combain HEED TRUSTUS BETTU	
City San Parasia	State CA Zip Cod 94103

*Signer of the landscape design plan, signer of the irrigation plan, or a licensed landscape contractor.

PART 3. IRRIGATION SCHEDULING

Attach parameters for setting the irrigation schedule on controller per ordinance Section 492.10.

PART 4. SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE (ATACASE) Attach schedule of Landscape and Irrigation Maintenance per ordinance Section 492.11.

PART 5. LANDSCAPE IRRIGATION AUDIT REPORT

Attach Landscape Irrigation Audit Report per ordinance Section 492.12.

PART 6. SOIL MANAGEMENT REPORT

Attach soil analysis report, if not previously submitted with the Landscape Documentation Package per ordinance Section 492.6.\

Attach documentation verifying implementation of recommendations from soil analysis report per ordinance Section 492.6.

Lot 11 Cobble Hill Place, Highland Estates, San Mateo County CA.

Landscape Maintenance Plan

Overview: Using natural landscaping techniques to maintain this property will create a landscape that is healthy, resource-efficient, sustainable, and cost-effective to manage. When natural landscaping techniques are applied in landscape design, construction, and long-term maintenance, there are many benefits, including easier maintenance, lower costs, and higher property values.

It is the Owner's expectation that the Contractor's proposal will comply with these natural landscaping-based standards and specifications. It should be the Contractor's expectation that the Owner will only consider awarding the contract to a Contractor whose bid shows compliance. The Contractor shall also expect to be held to these standards throughout the course of the contract.

The following standard outlines the scope of maintenances services and responsibilities required of the Contractor but may not be inclusive to the entire scope of services. The specifications outline the quantity and category of work required.

Other parts of the contract (**not included here**) provide definitions of terms used and other contract requirements such as insurance and licensing standards, code enforcement, hours of work, work authorizations, site locations, etc.

1. GENERAL MAINTENANCE STANDARDS

1.1. GUARANTEE AND REPLACEMENT

- 1.1.1.Contractor shall replace, at no additional cost to Owner, any plant materials damaged as a result of improper maintenance attention or procedures. Replacement plant material shall be of the same size and variety as the dead or damaged material. Replacement plant material shall be procured from nurseries that have a Phytophthora management program. Samples of each Plant Material shall be tested for Phytophthora and other pathogens at the nursery prior to ordering and certified by the nursery to be disease free prior to delivery to the job site. Contractor shall reject Plant Materials that are contaminated with Phytophthora and other pathogens. Submit to Landscape Architect and Owner's Representative disease free certifications from nurseries. Replace plant material within two weeks of identification of damage. Alternatives to size, variety and scheduling of replacement only by written permission of Owner.
- 1.1.2.Contractor is not responsible for losses, repair or replacement of damaged work or plant material resulting from theft, extreme weather conditions, vandalism, vehicular incidents (other than Contractor's vehicles) or the acts of others over whom they have no reasonable control.
- 1.1.3. Contractor shall inform Owner on a monthly basis of plant losses not covered by warranty and unrelated to the maintenance activities. Provide Owner with the cause of the plant loss, and provide recommendations for replacement along with pricing for replacement.

1.2. CONTRACTOR STAFF TRAINING AND EXPERIENCE

- 1.2.1.Contractor will provide staff able to perform work at the highest standards of horticultural excellence. Key staff shall have current knowledge of best management practices (BMP's) regarding: safety, hazardous materials spill response, plant health, pruning, integrated pest management, pesticide application, and irrigation maintenance. Owner reserves the right to demand the replacement of Contractor's staff who do not meet the owner's standards for safety, professionalism, or horticultural knowledge.
- 1.2.2.All work shall be performed under the direct on-site supervision of a qualified landscape professional with a minimum of five years combined horticultural education and experience. Preference will be given to an individual with at least a two year horticultural degree or Certified Landscape Technician (CLT), combined with two years work experience, or greater.

- 1.2.3.All irrigation maintenance and repairs shall be performed by, or under the direct supervision of, a Certified Irrigation Technician (CIT) or Certified Irrigation Auditor.
- 1.2.4. All pruning will be performed by, or under the direct on-site supervision of, staff with documented education and training in proper and naturalistic pruning techniques. Pruning of trees greater than six inches DBH will only be performed by an ISA certified Arborist. Regularly decontaminate pruning equipment to prevent spread of disease.

1.3. OWNER/CONTRACTOR COMMUNICATION

- 1.3.1.Contractor to provide a supervisor to act on Owner's behalf regarding all matters pertaining to the performance of the Landscape Maintenance Service. Contractor must notify Owner when the supervisor will be on vacation or other leave of absence and who will serve as a substitute.
- 1.3.2.Provide Owner with an emergency contact list identifying the names, positions held, and phone numbers of key maintenance personnel. Provide mobile and pager numbers for the landscape maintenance manager and site supervisor.
- 1.3.3. Attend meetings and site inspections of the grounds as requested by Owner

1.4. MAINTENANCE RECORD KEEPING

- 1.4.1.Contractor shall maintain a computerized log of activities performed, schedules, additional service repairs, and documentation of each application of fertilizer, pesticide (includes herbicides), and/or other chemicals. Provide a written copy monthly.
- 1.4.2.If Pesticides are determined necessary and only as a last resort, Pesticide application records shall be kept by the Contractor on all pesticide (includes herbicide) applications for a minimum of seven (7) years. Such records shall be completed in accordance with all applicable laws and regulations. The following information shall be recorded at a minimum for each application:
 - The location where the pesticide or herbicide was applied.
 - The year, month, day, and time the pesticide or herbicide was applied.
 - Purpose of application.
 - The person or firm who supplied the pesticide or herbicide which was applied.
 - Trade name of the pesticide or herbicide which was applied, amount and concentration.
 - Method and rate of application.
 - The temperature and direction and estimated velocity of the wind at the time the pesticide or herbicide was applied.
 - The name and license number of the pesticide or herbicide applicator.
 - Applicator apparatus license plate number or equipment number (if applicable).
 - Any other information reasonably required by the Owner.
- 1.4.3. Supply the Owner with written copies of chemical application records monthly.

1.5. LANDSCAPE SERVICE SCHEDULING

1.5.1.Establish a schedule and Gantt (or equal to) chart for regular maintenance activities by area and submit to Owner for review. Contractor to review proposed schedules with Owner at the regularly scheduled meetings and adjust as necessary to avoid conflicts.

2. SCOPE OF WORK

2.1. GENERAL PRACTICE GUIDELINES FOR MATERIALS AND EXECUTION

- 2.1.1.This document is intended as a benchmark of the Owner's minimum standards for maintenance, repair and improvements. However, the Owner respects the Contractor as a professional and as such, will take under consideration, any and all recommendations made by the Contractor.
- 2.1.2.Contractor shall furnish all labor, equipment, and materials necessary to complete the maintenance of plantings, as specified herein. It is the intent of the Owner that this site be maintained in a resource-efficient, sustainable, and cost-effective manner.
- 2.1.3.Maintenance shall consist of soil building, mulch replacement, pruning, irrigation, IPM, weed/ /disease control, litter control and any other procedures consistent with good horticultural practice necessary to ensure normal, vigorous, and healthy growth of landscape plantings and bioswale plantings and functionality.
- 2.1.4. When performing any work requiring subsurface excavation, Contractor shall take care to avoid damage to existing utilities and vegetation, and shall "Call 811-Before You Dig- Safe Digging Partner or Eq local utility.
- 2.1.5.Contractor is encouraged to use non-polluting devices like rakes and brooms when feasible. Owner prefers that blowers and other power equipment are preferably electric, low-decibel, or low-fossil fuel consumption, and low-emissions models.
- 2.1.6.Contractor is encouraged to develop cultural practices which incorporate on-site recycling of organic materials, such as leaves and grass clippings, and the use of recycled materials in its maintenance operations.

3. MATERIALS AND EXECUTION - INTEGRATED PEST MANAGEMENT AND PESTICIDE APPLICATIONS

3.1 INTEGRATED PEST MANAGEMENT:

A. Goals

An integrated pest management program shall be implemented to:

- 1. maintain healthy, attractive plants, maximize resistance to pests and out-compete weeds;
- 2. monitor for presence of pests and to evaluate pest impact to plant health and appearance, and nuisance to the public;
- 3. provide control treatments that have minimal negative effects on all but the pest and that protect air and water quality.

Contractor shall assume pesticides are potentially hazardous to human and environmental health. Preference shall be given to reasonably available non-pesticide alternatives when considering the use of pesticides on Agency property.

B. Insects and diseases

1. Key plant and key pests

Contractor shall identify primary plant species and cultivars in the landscape (key plants) and the pests that commonly cause significant harm to plant health or appearance (key pests).

2. Monitoring

Contractor shall monitor landscape areas to identify presence of beneficial insects and pests, determine populations, life stage, and degree of damage to plants. Key plants:key pests will be monitored closely during normal periods of pest activity. This information will be the basis on which pest control methods are initiated. Records of monitoring activity shall be kept.

3. Controls

"Bay-Friendly Landscaping" seeks to control pests without harming non-target organisms, or negatively affecting air and water quality and public health. It relies on IPM which uses a range of cultural, mechanical, physical, and biological control methods before using pesticides. Chemical controls are applied only when monitoring indicates that preventative and non-chemical methods are not keeping pests below acceptable levels. When pesticides are required, the least toxic and the least persistent pesticide that will provide adequate pest control is applied. Pesticides are not applied on a prescheduled basis.

- a. Cultural/Mechanical/physical methods. A number of maintenance practices or modifications of them can make the environment unfavorable for pest reproduction, movement, or survival. Often simply modifying an existing maintenance practice, such as timing of pruning or fertilization, can produce positive results,. Other mechanical or physical practices may specifically combat plant pests or increase host resistance. Key treatments include:
 - 1) Fostering a healthy soil, judicious fertilization only when needed, and managing irrigation appropriately.
 - 2) Pruning to remove infected or infested branches and shoots. Time pruning to avoid periods of insect infestation. For example prune pines and eucalyptus in the winter (December-February) when bark beetles and borers are inactive.
 - 3) Removing fallen twigs, leaves, and fruit that contains disease inoculum.
 - 4) Mulching soil surface to reduce weeds and to reduce splashing and the drops of mud that would protect spores deposited on plant surfaces.
 - 5) Trapping insects using sticky surfaces (also used for monitoring). Mechanical traps can be used to control rodents.
 - 6) Bringing to attention of Agency plants that are disease or insect prone and suggesting resistant plant replacements or those better suited to the site and microclimate

b. Biological methods

Biological controls are pesticides of natural origin that have limited or no adverse effects on the environment or beneficial organisms. Determining the effective biological control and proper timing of application are critical to success in pest control.

The Contractor shall consider the following biological control methods when cultural/mechanical/physical methods are not adequate to lower pest populations to the target level.

- 1) Bacillus thuringiensis (Bt)
- 2) Parasitic nematodes
- 3) Pheromone traps
- 4) Beneficial insect release and conservation

c. Pesticides

The term pesticide applies to insecticides, fungicides and other substances used to control pests. Antimicrobial agents are not included in this definition of pesticides.

1) Least toxic pesticides

When cultural, mechanical, physical and biological controls have provided inadequate pest control, the Contractor may select and apply an appropriate least-toxic pesticide as a last resort. Least-toxic pesticides have a high LD-50, low residual, and narrow range of toxicity. Application must be timed to the appropriate life stage of the pest.

Examples are:

- a. insecticidal soaps,
- b. horticultural oils.
- c. herbicidal soaps,
- d. neem,
- e. Pyriproxyfen insect growth regulator (e.g. Distance IGR)

2) Restricted chemicals

Organophosphate-containing pesticides have been found to persist in the environment and cause water quality impairment of some creeks, streams, and arroyos in Alameda County. They are restricted from use. Examples include:

- a. diazinon, trade names Spectracide®, Knox-out® and
- b. chlorpyrifos, trade names Dursban®, Pageant®)

c. malathion and carbaryl (trade name Sevin®)

Water quality agencies recommend against using pyrethroids and pyrethrins containing piperonyl butoxide (PBO). These chemicals are restricted from use.

Pyrethrins are toxic to birds, fish, and beneficial insects, should be used only as a last resort, and carefully applied to avoid runoff and contact with non-target plants.

Contractor shall not apply any Toxicity Category I or II Pesticide Product, any pesticide containing a chemical identified by the State of California as a chemical known to the State to cause cancer or reproductive toxicity pursuant to the California Safe Drinking Water and Toxic Enforcement Act of 1986, and any pesticide classified as a human carcinogen, probable human carcinogen or possible human carcinogen by the United States Environmental Protection Agency, Office of Prevention, Pesticides and Toxic Substances.

3) All chemical applications shall be performed by a licensed, trained technician. Contractor must be a licensed Pest Control Operator as required by the State of California, registered in Alameda Co., and strictly adhere to all laws.

4. Notice of pesticide use

- a. Signs shall be posted at least three days before application of the pesticide product and remain posted at least four days after application of the pesticide.
 - Signs shall be posted (i) at every entry point where the pesticide is applied if the
 pesticide is applied in an enclosed area, and (ii) in highly visible locations around the
 perimeter of the area where the pesticide is applied if the pesticide is applied in an open
 area
 - Signs shall be of a standardized design that are easily recognizable to the public and workers.
 - 3) Signs shall contain the name and active ingredient of the pesticide product, the target pest, the date of pesticide use, the signal word indicating the toxicity category of the pesticide product, the date for re-entry to the area treated, and the name and contact number for the City department responsible for the application.
- b. Contractor shall not be required to post signs in right-of-way locations that the general public does not use for recreational purposes. However, Contractor shall notify Agency in writing three days prior to pesticide applications in the right-of-way areas.
- c. Contractor may obtain authorization from the Agency to apply a pesticide without providing a three-day advance notification in the event of a public health emergency or to comply with worker safety requirements. Signs shall be posted for at least four days after application of the pesticide, as described in the Section above, 3.5.B.4.a., *Notice of Pesticide Use*

5. Recordkeeping and reporting

- a. Contractor shall maintain records of all pest management activities. Each record shall include the following information:
 - 1) target pest;
 - 2) type and quantity of pesticide used;
 - 3) site of the pesticide application;
 - 4) date the pesticide was used:
 - 5) name of the pesticide applicator;
 - 6) application equipment used;
 - 7) prevention and other non-chemical methods of control used.
- b. Contractor shall submit the pest management record to Agency on a monthly basis.

C. Weed management

 Landscapes shall be maintained in a healthy and attractive manner using "Bay-Friendly" methods.

2. Identify key weeds

Contractor will identify key weeds present and design weed manage program to target those species.

3. Invasive plants

Invasive plant species may have been included in the plantings inadvertently. Seedlings and/or suckers from those plants shall be removed by the Contractor. Refer to www.bayfriendly.org or www.bayfriendly.org or www.cal-ipc.org for a list of invasive species. Remove all invasive plants are an intended part of the landscape please notify Agency and propose a replacement option.

4. Controls

- a. Cultural/Mechanical/physical methods will be used as the first choice in weed management.
 - 1) Monitor planting areas frequently to identify and eradicate weeds early in the growth stage prior to their setting seed.
 - 2) Cut or pull weeds by hand or using hand operated equipment where possible.
 - 3) Mow large areas to reduce weed growth, and eliminate species that are not tolerant of mowing. Mowing is especially effective when done prior to seed set. Mowing also reduces fire hazard in open spaces.
 - 4) Goats may be used to manage weed growth, where appropriate. Goats must be well managed and plants fenced to avoid damage to non-target plants.
 - 5) Mulches shall be maintained at all times over soil surface that is not covered by vegetation. (see also Section 3.3 E, *Incorporate Organic Soil Amedments*)
 - 6) Sheet mulching, a layered system of non-plastic weed barrier overlain by mulch, shall be employed where possible.
 - 7) Propane-fueled flamers may be used in winter and spring with required permits and approval by the Fire Marshall to kill early-season, non-grass weeds by heating the cells until they burst. The weed quickly wilts and dies.
- b. Least toxic herbicides may be employed by Contractor as a last resort. Examples are:
 - 1) Fatty acid potassium salts (herbicidal soaps e.g. Safer's Superfast Weed and Grass Killer® Dr. Bronner's Peppermint Anti-Bacterial Soap)¹
 - 2) Acetic and citric acids (e.g. Nature's Glory Weed and Grass Killer RTU®)
 - 3) Clove, citrus, mint and thyme oil (e.g. Matran II®, Xpress®)
 - 4) Corn gluten
 - 5) Low-toxic, low-residual herbicide [e.g. glyphosate (Round-up®), glufosinate-ammonium (Finale®), pelargoic acid (Scythe®)
- c. Restricted herbicides that may not be used because they have been identified as ground water contaminants are (trade names in parentheses):
 - 1) Atrazine (Aatrex)
 - 2) Simazine (Princep)
 - 3) Bromacil (Hyvar, Krovar)
 - 4) Prometon (Pramitol)
 - 5) Bentazon (Basagran)
 - 6) Norflurazon (Solicam, Predict, Zorial)
- d. Restricted herbicides that may not be used because they have been identified as a compost contaminant are:
 - 1) Picloram
 - 2) Clopyralid

¹ Trade names are used only as examples and are not intended as an endorsement.

D. Vertebrate pests

- 1. Identify key pests that significantly affect plant health and appearance. Accurate identification is critical to appropriate control. Common vertebrate pests are:
 - a. Rodents including rats, mice, voles, moles, gophers
 - b. Deer
 - c. Rabbits

2. Controls

- a. Mechanical/physical/cultural methods shall be implemented as a first course of action.
 Preferred treatments include:
 - 1) Exclusion Protect plants from damage by grazing animals with fences or cages.
 - 2) Habitat modification Reduce cover at the periphery of the project as needed to solve problem.
 - 3) Application of repellents that are suitable for use in public areas.
 - 4) Traps may be used where mechanical/physical/cultural methods have been insufficient to control moles, voles, gophers, rats and mice.
 - 5) Encouragement of predators owl boxes
- b. Least toxic rodenticides

MATERIALS AND EXECUTION – TREES, SHRUBS, VINES, GROUNDCOVER MAINTENANCE 3.2 TREES, SHRUBS, VINES AND GROUNDCOVER PRUNING

- 3.2.1.Pruning in general should be avoided as planting design is intended to allow plants to grow to mature size. Pruning must only be performed when necessary by trained personnel in accordance with accepted horticultural practices. Prune to enhance the natural growth and shape of plant materials and intended function of the planting. Plantings are designed to grow together and to the edges of the beds to minimize weed infestation and maximize water conservation. Shearing is only permitted for formal hedges. Prune back branches as needed when interfering with walks, buildings, signage, fire control utilities, site lighting, security/safety visibility, site lighting, and vehicular circulation. Prune dead and broken branches quarterly and more frequently as required. Regularly decontaminate pruning equipment to prevent spread of disease.
- 3.2.2.Street trees shall be pruned to maintain adherence to City or County sight distance requirements, to maintain visibility of street name signs, protect trees from vehicle damage, and maintain pedestrian safety.
- 3.2.3. Prune plantings bi-annually (only as necessary) on a rotational basis appropriate to site, need, season and plant species. Discuss significant pruning work with Owner prior to work beginning.
- 3.2.4. Prune clean and just outside the branch collar in accordance with accepted horticultural practices. Pruning must only be performed by trained personnel. Replace plant materials that are disfigured or damaged due to improper pruning at no additional cost to Owner.
- 3.2.5. Periodically inspect and adjust tree staking and guying to prevent damage to the cambium layer. Remove guys and stakes as soon as trees are established and self-supporting (generally two years or less).
- 3.2.6.Prune trees as required and appropriate in compliance with ANSI A300 (Part 1), "Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices (Pruning)."
- 3.2.7. The Additional Services of an ISA-certified arborist are required for pruning on any trees larger than six inches DBH (diameter at breast height as measured at four and one-half feet about the existing grade at the base of the tree) and any branches larger than four inches in diameter. This is considered an additional service.

4. MATERIALS AND EXECUTION - GENERAL AREA MAINTENANCE

4.1 LEAF AND BRANCH REMOVAL

- 4.1.1.Keep walks, patios, planting beds, roadway, gutters and areas free of leaves and branches on a weekly basis throughout the year.
- 4.1.2.Leaves shall be mulch mowed or left in planting areas throughout winter, spring and summer when leaf fall is not excessive and plant health is not adversely affected. As much as possible, leaves can be blown or raked under the shrubs or groundcover and into the wood chip mulch.
- 4.1.3.In autumn leaf removal shall occur at each visit as needed to prevent smothering of turf and groundcovers and excessive clumping when mulch mowing. Owner's preference is that whenever safety and plant health are not compromised that leaves remain on-site and are incorporated into mulch under plantings. Remove leaves from site only as needed to maintain a neat appearance and the health of the planting.
- 4.1.4.Excessive branch and debris cleanup from storm damage is not included in the contract work and is considered an additional service at Owner's request.

4.2. LANDSCAPE DEBRIS REMOVAL

- 4.2.1.Remove biodegradable landscape debris (turf clippings (limited to only those times when mulch mowing is not possible), leaves, branches, annuals, dead plant material, etc.) to yard refuse recycling facility. Acceptable sites include topsoil producing facilities and/or other facilities, which utilize yard waste for landscape purposes. No biodegradable material should be disposed of as garbage, except noxious weed debris.
- 4.2.2. Remove and properly dispose of moss from curbs, stairs and walkways.

4.3. LANDSCAPE TRASH REMOVAL

4.3.1.Remove all trash from landscaping beds, on a weekly basis. For large amounts of trash, or if there is no approved trash container onsite. Contractor shall haul it away for appropriate disposal.

4.4. MULCH REPLACEMENT

- 4.4.1.Once annually Contractor shall replenish mulch to maintain a depth of no less than three inches (3") in all planting areas. All tree wells to be re-mulched annually. Established beds where plant foliage or groundcover completely covers the soil surface require no additional mulch. Keep mulch at least two to three inches (2 3") away from the crown of plants and trees.
- 4.4.2.Mulch shall be medium or fine natural wood chips, clean arborists wood chips. "Red" or dyed bark mulch, "Gorilla Hair" or dust shall not be used.
- 4.5. BIOSWALE MAINTENANCE: Employ Best Management Practices whenever possible:
 - 4.5.1.Monthly: Regularly inspect for signs of erosion, obstructions or unhealthy vegetation
 - 4.5.2. Monthly: Remove Weeds and invasive plants shall be removed
 - 4.5.3.Monthly: Remove trash and debris that has washed into the bioretention area or the inlet channels or pipes
 - 4.5.4.Monthly: Check facility a few days after a rain storm to make sure that there is not standing water after 2 days.
 - 4.5.5.AS-NEEDED basis: Cut back dead stems of herbaceous plants in March and remove from the facility
 - 4.5.6.AS-NEEDED basis: Water new plants during initial establishment of plant growth (first 18 months) and extreme droughts.
 - 4.5.7.AS-NEEDED basis: Remove fallen leaves from the areas and Mulch shall be medium or fine natural wood chips, clean arborists wood chips. "Red" bark mulch or dust shall not be used.

5. MATERIALS AND EXECUTION - IRRIGATION

5.1. GENERAL IRRIGATION SYSTEM OPERATION

- 5.1.1.Contractor is responsible for providing a staff completely trained and familiarized with the setup, monitoring and maintenance of the irrigation system at Owner's sites.
- 5.1.2. Contractor is responsible for understanding the capacities and capabilities of the irrigation system and ensuring that system modifications do not cause landscape water demand to exceed the hydraulic capacity of the system.
- 5.1.3. Contractor will establish appropriate time intervals for each valve zone in the irrigation systems and adjust during the operating season as necessary.
 - Adjustments should be based on local evapo-transpiration (ET) data as much as possible.
 - Operate systems only during night hours. Daytime operation is permitted only when inspecting or testing the system, after fertilizer application, for new installations and during extreme temperatures.
 - Run times shall be sufficient to allow for saturation of the root zone without run off. This may require "cycle and soak" scheduling in spray zones. Allow adequate run times in drip irrigation zones.
- 5.1.4.Contractor will manage all irrigation systems for peak efficiency and water conservation. Check for proper water application rates by inspecting soil moisture and health of plant materials on a weekly basis. Adjust the irrigation frequencies as required to correct over or under watering.
- 5.1.5. Contractor shall manage irrigation schedules so that irrigation is applied more deeply, but less frequently, rather than small amounts on a daily basis.
- 5.1.6.Contractor and Owner will work in collaboration during water supply shortages and under drought conditions to develop an irrigation strategy that best preserves and protects the site's landscape investment.

5.2. IRRIGATION SYSTEM MONITORING

- 5.2.1. Irrigation system monitoring and inspections to include the following:
 - Visually inspect all irrigated landscape areas once weekly from April thru September to identify
 potential leaks as evidenced by water related plant stress, surface water or erosion, broken or
 damaged equipment, and paved surfaces or building walls/windows affected by irrigation.
 - Visually inspect the operation of all irrigation valve zones once monthly from April through September to identify coverage problems, misdirected nozzles, broken or damaged equipment, hard-scape or building overspray, pressure problems and system leaks.
- 5.2.2. Provide the following written irrigation system management reports to Owner's Project Manager.
 - Summary of additional services, system repairs and renovations, general operations and recommendations once monthly from April through September.
 - Summary o major renovations, replacements and equipment changes along with proposed renovations/upgrades and associated budget recommendations once annually.

5.3. IRRIGATION SYSTEM MAINTENANCE, WINTERIZATION AND RE-ACTIVATION

- 5.3.1.Run-off of water from irrigation systems into or onto streets, sidewalks, stairs, or gutters is not permitted. Immediately make adjustments, repairs, or replacements required to correct the source of the run-off.
- 5.3.2.Clean and adjust bubblers and valves as required. Clean drip irrigation valve strainers as required. Properly prune plantings and/or debris affecting access to valves, and reset/raise valve boxes, which have settled during the winter shutdown months.
- 5.3.3. Flush out lateral lines and adjust heads and nozzles at the beginning of each operating season.

- 5.3.4.Contractor shall be responsible for all costs associated with damage resulting from improper irrigation winterization and re-activation procedures, and for all damage resulting from failure to winterize or re-activate in a timely fashion. The Contractor is not responsible for freeze damage to piping left pressurized year around per the direction of Owner.
- 5.3.5. Provide for inspection and testing of backflow prevention valves annually, as required by law.

5.4. IRRIGATION SYSTEM REPAIR AND RENOVATION

- 5.4.1.Provide 24 hour per day, 7 days a week emergency response to immediately replace or repair broken, damaged or inoperable irrigation components which pose damage or safety hazards to persons or property. Prepare Proposals for all other repair or replacement work.
- 5.4.2.All repairs to the system shall be identical to the original installation, unless approved otherwise in advance by the Owner. If a change to the installation will result in lower future maintenance costs, less frequent breakage, or an increase in public safety, request authorization to make the change from the Owner.
- 5.4.3.Replacement of system components shall be the same manufacturer and model as original equipment, or better as authorized by Owner.
- 5.4.4. The following repair activities are considered additional services:
 - Troubleshooting and repair of controller components.
 - Damage by other than Contractor vehicles.
 - Pedestrian or vandalism damage.
 - Special event damage.
 - Construction related damage by other than Contractor's activities.
 - · Storm related damage.
 - Product failure.
- 5.4.5. Provide the following repair or replacement work at no cost to Owner:
 - Damage due to Contractor maintenance activities.
 - Damage due to work by Contractor's construction activities.
- 5.4.6. Inform Owner in shutting off the systems during emergencies.

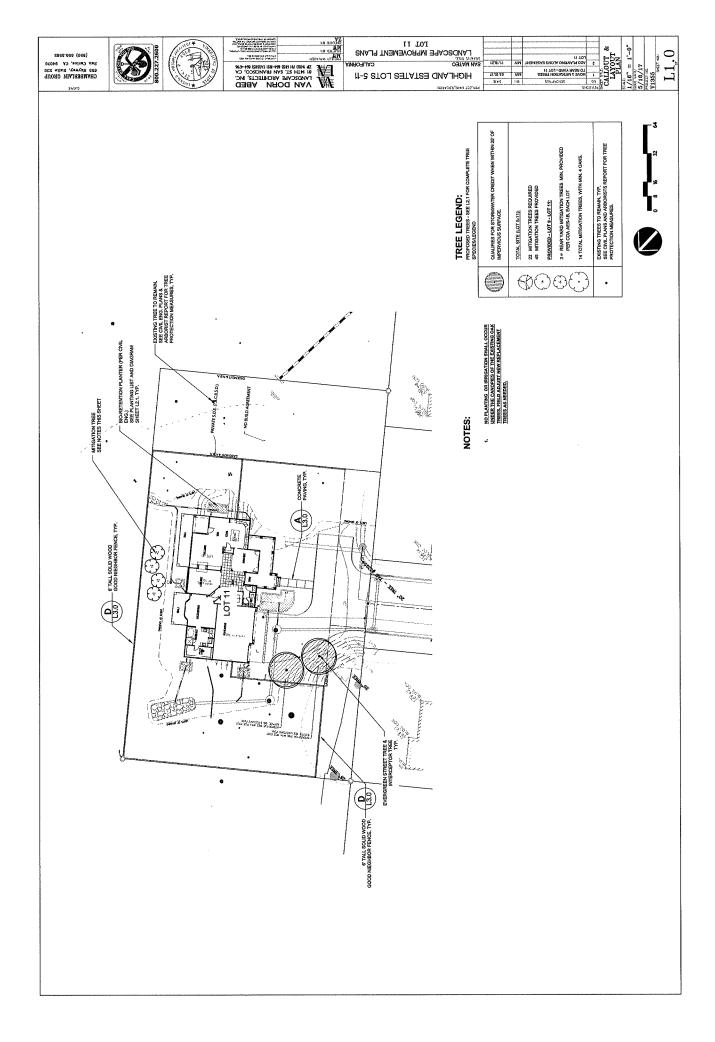
Redline all irrigation repairs or renovations which represent changes to the existing irrigation on current record drawing prints and submit to Owner.

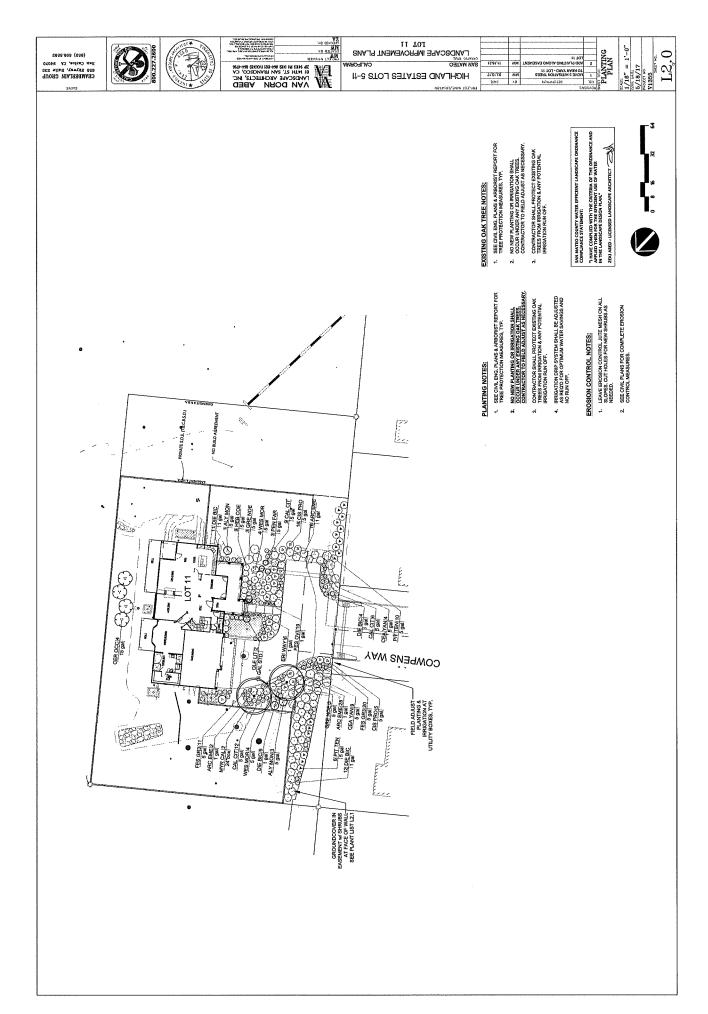
6. MATERIALS AND EXECUTION - EXISTING AND TRANSPLANTED TREES

6.1. LONG TERM MAINTENANCE

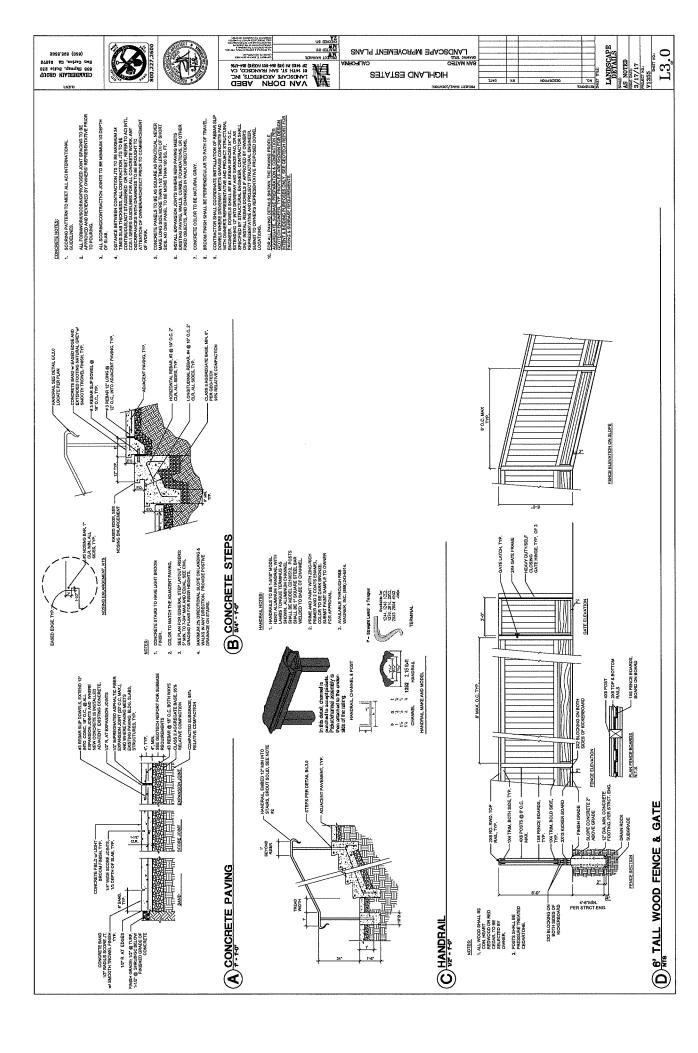
- 6.1.1. Irrigate trees according to species requirements.
- 6.1.2. Where turf is present around trees, establish a turf-free area at least 1-foot from the trunk.
- 6.1.3. Place 4- to 6-inches of wood chips within turf-free area and any landscape beds.
- 6.1.4.Prune trees as required to maintain good structure. All pruning shall be completed by an ISA Certified Arborist or Tree Worker and adhere to the latest editions of the American National Standards for tree work (Z133 and A300) and International Society of Arboriculture Best Management Practices, Pruning.
- 6.1.5. For newly installed trees, loosen the support stake after one year. Remove the support stake at the end of the second growing season.
- 6.1.6. For relocated trees, ensure the surface water drains away from the trunk.

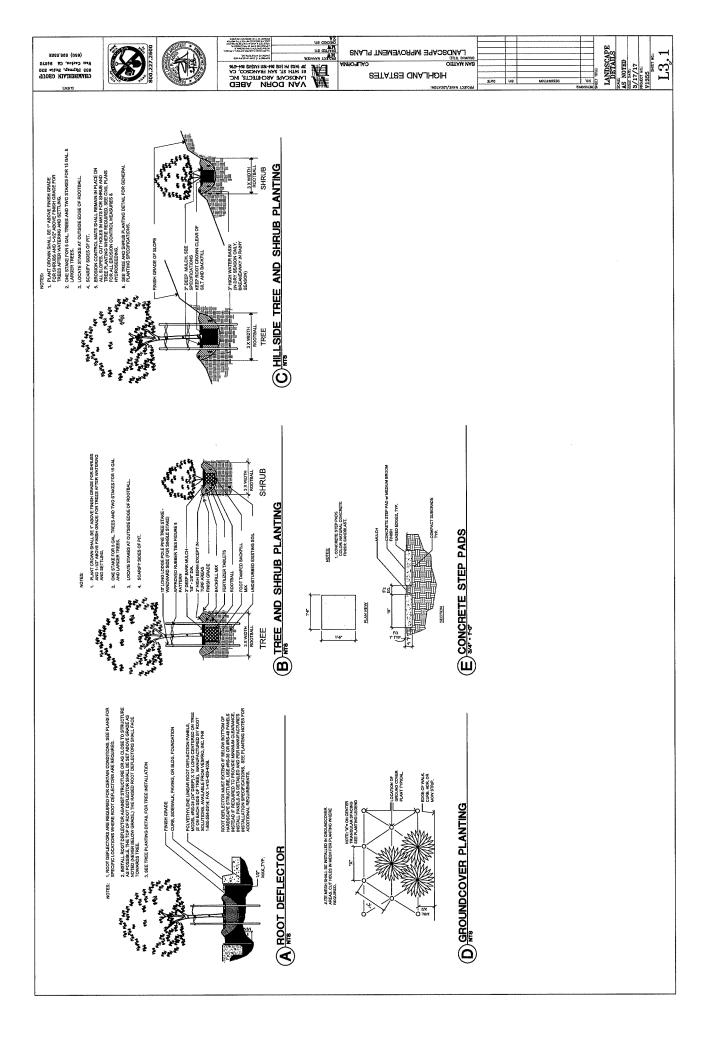
- 6.1.7. For relocated trees, the soil moisture of the rootball and the surrounding backfill shall be monitored during the first growing season following transplanting. The rootball and backfill should remain evenly moist, but never saturated. The tree should be irrigated when the root zone is dry as determined using a soil probe. Irrigation should be sufficient to wet the root zone to the depth of the planting hole. The contractor shall not rely solely on the automatic irrigation system to water the trees, as hand watering may be required to achieve uniform soil moisture.
- 6.1.8.Inspect all trees once per month during the growing season for insect, disease and cultural problems. Treat problems that are severe enough to limit performance.
- 6.1.9. Maintain 1-foot wide clear zone around the trunk of all trees.
- 6.1.10. Avoid herbicide use in the vicinity of trees. Applicators should check the label for potential movement of the active ingredient to non-target plants such as trees.
- 6.1.11. Inspect the lower trunk and base following storms and periods of high wind. Look for changes in orientation, soil mounding, and the appearance of cracks in the lower trunk.





AIN GRO	Skyway Carlos,	EAS EAS					800.227.2600		migation 8	E C T)	;c.∧	-190 kg 'CO'S	нше с	HOORY SANS SANS SANS SANS SANS SANS SANS SAN	CVL	ND2	46 T	LE GE	ereo ereo ereo ereo ereo ereo ereo ereo			TOT.			D E	NA.J	HOH L nyney	Н	71,0	A0 II,50	PAN PAN PAN	S3	ALONG EA	IABITIM C ORAY PA	3VON 1	Sect me.	LEGEND SEAUE NTS NTS ISSUE ONTE	5/18/17 PROJECT NO.
	REMARKS							2'-3' tall x 6'-8'	6' tell tolerates summer														Stondard							ground cover 18" x 6" wide					REMARKS	15 sf					
1)	क्षेत्र :	2	6	60	21		3	96	4	ì	5	*	113		*	32	: 5		19	25	a		ē.	60	a	\$5	28	3	120	a	98	35	E	60	SPACING	8*0.5. 1,845			5-11.		
ots 5-1	SIZE	age of	5 gal	5 gal	1 gal	į	ie0°c	5 gel	Sgal	į	188 c	598	5 gal	5 98	1 ga	į	, i		t get	5 gal	S gai	5 gal	15 GAL STD.	S gal	5 904	Orange 5 gad	ige 5 gal	res S gal	5 gal	5 gal	2 gal	2 gai	15 gal	ary 5 gal	CONT	4" pot			S FOR LOTS		
NG LIST (L	COMMON NAME	Kwer Walle	Blue Hibiscus	Dwarf Strawberry Tree	Emerald Cerpet Manzanta		Owart Bottle Brush	ní Celifornia Litec	California Lilac		Cimson spot Koperoso	Rockrose	Sagelanf Rockrose	Meyer Lemon	Fortnight Lity	September 2	Granden Alles Farms		Eljah Blue Festue	Gravillea	Coad Habe	Mallow	Little Oille Office	Everginen Fountain Grass	Tawhhvhi	Cream De Mint Dwarf Mock Orang	Wheeler's Dwarf Mock Oran	Bright 'N Tight Carolina Lou	California Coffeeberry	California Coffoe Berry	Amber Carpel Rose	Ross	Star Jasmina	Moming Light Coast Rosem	COMMON NAME	Sanddune Sedge			TOTAL QUANTITIE	LANS.	
VER PLANTI	BOTANICAL NAME	Acach cognete 'Count It'	Alyogyne huegeili Monterey Bay'	Arbutus unedo 'Elfa King'	vetostaphylos x 'Ernerald Carpet'		Calistamon clinnus 'Utila John	Coanothus grisous horizonialla "Yankao Po	Ceanothus x 'Concha'	:	cates fadurated	Clatus pulverulentus 'Sunsat'	Cistus salvilfollus "Prostratus"	Cirus x mayeri	Dietes bicolor	Totaline Bodado	James Commission (Commission Commission)		Festuca ovina glauca 'Elijah Blue'	Srevilles x 'Noelli'	lebe x 'Coed'	avalena assurgandilora	Oles europses 'Little Oille' TM	Pernisetum x 'Falry Talls'	Pitasparum tenuitolium "Merjario Channon"	Ritosporum tobira "Cream De Mint" TM	Wheelers Dwarf	Prunus caroliniana 'Bright' 'N Tight' TM	Ramnus californica 'Mound San Bruno'	Rhamnus californica 'Scaviow'	Rosa x "Flower Carpet Amber"	Ross x 'Flower Carpet Red'	Trachelospermum Jasminoldos	Wasiringia frultosa "Moming Light"	BOTANICAL NAME	Cafex pansa			PLANTING QUANTITIES SHOWN 12.1 ARE TOTAL QUANTITIES FOR LOTS 5-11.	SEE 12.0 FOR INDIVIDUAL LOT PLANTING PLANS.	
JNDCO			ALY MON	ARB ELF	ARCEME		CAL CIT	CEAYAN	CEACON	!	SS CAD	CIS PUL	CIS PRO	CITMEY	DIEBIC	Nepi was	5	3	FES OVI	GRENOE	HEB COE	LAV ASS	OLE UT	PEN FAR	PIT TEN	PITCRE	PIT WHE	PRU BRI	RHA MOU	RHASEA	ROS AMB	ROS RED	TRAJAS	WES MOR	S	CAR PAN			3 QUANTIT	OR INDIVII	
SHRUB/GROUNDCOVER PLANTING LIST (Lots 5-11)	SHRUBS	Ð	0	③	C) (3	0	e	•	Ð	⊙	@) (8	Ş	· () () 1	&	0	0	O	0	0	• ⊙	•	0	•	•	•	•	•		• ③	GROUND COVERS						
																		!	XIM III	CD TUE	EN INE										BEMABKS		Multi-Trunk/Native Mitigation free		Mutti-trunk/Native Mttgation Tree	Evergreen/Native Mitigation Tr	(Interceptor Tree) Min. install size 9' tall x 5' wide	Evergreen/Native Tree	Evergreen Tree/Native Tree (Interceptor Tree)	Min. install size 9' tall x 5' widd Single-Trunk/Native	
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		į	QIY: 1	QTY: CAN-TO-CAN FULL		QTY: 1	OTV. CAN. TO CAN FILL	לון: כאוא-וס-כיון ויסרני				OTV: 1	7.1.7	REX PRAEGRACILUS QTY: CAN-TO-CAN FULL			S IN BIO-RETENTION P		TEICATIONS FOR RIO-F	STONE FOR THE IN BIG	ROVED FOR USE IN BIN MEASURES PLANT LIST				TYPICAL 5 GALLON PLANT - QTY 1		CAN-TO-CAN FULL				PACO BANGA MONANCO		Manzanita 15 gaí		Western Redbud 15 gai	Toyon 24"bax		Pacific Wax Myrtle 15 gal	Pacific Wax Myrite 24"box	Coast Live Oak 15 gal	
BIO-RETENTION PLANTERS ON THE	NORTH & NORTHEAST SIDES OF BUILDINGS			CAREX PRAEGRACILUS C	,t:	CARPENTERIA CALIFORNICA C				BIO-RETENTION PLANTERS ON THE	SOUTH & SOUTHWEST SIDES OF BUILDINGS	MIHIENBERGIA BIGENS	NOTICE INDENDED	MIMULUS AURAN HACUS & CAREX PRAEGRACILUS (ALTERNATING)			CONTRACTOR TO HAND WATER PLANTS IN BIO-RETENTION PLANTERS UNTIL	ISHED.	SEE CIVII ENGINEER'S DI ANS AND SPECIFICATIONS FOR BIO-RETENTION SOIL MIX	DE CONTENTO DE LO CONTENTO DE CONTENTO DE LO CONTENTO DE LO CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DEL CONTENTO DEL CONTENTO DE LA CONTENTO DE LA CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DE LA CONTENTO DE LA CONTENTO DEL CONTENTO DE LA CONTENTO DEL CONTENTO DE	PLAN I SPECIES LISTED ABOVE ARE APPROVED FOR USE IN BI SAN MATEO COUNTY STORMWATER MEASURES PLANT LIST		AGRAM:	To a state of the						TREE PLANTING LIST (lots 5-11)	BOTANICAL MAME	BO LAWICAL MAINE	ARC MAN Arctostaphylos manzanita MULTI-TRUNK Manzanita		C Cercis occidentalis - MULTI-TRUNK	2. Heteromeles arbuifolia		A2 Myrica californica	AL Myrica californica	QUE AGR Quercus agrifolia	
BIO-RETENTIL	NORTH & NC			1 GAL C	ALTERNATIVE:	5 GAL C				BIO-RETENTI	SOUTH & SO	A 145 2		1 GAL N	•	NOTES	CONTR) SEE CIV				PLANTING DIAGRAM:							EE PLANTIN	TOCO STORY		ARC M)	CER OCC	· HET AR2) .	MYR CA2	. MYR CAL	αυΕ AG	ξ.





1. Contractor shall verify all existing site conditions prior to derenance.	Contractor shall verify all existing site conditions prior to beginning construction. Notify Owner's Representative of any discrete and an expension of any	
2. The design provide all maletals, labor and eq.	una operance. Confedere shall provide all materials, labor and equipment to complete all bandscape work as shown on the plans and	
specimousnys. 3. If there is a conflict with the utilities and the planting, the	speciarcatories. If thore is a conflict with the utilities and the planting, the Owner's Representative is to be responsible for spotting new plant	Concrete finishes shall be even surfaces of uniform leature and appearance, free of unsightly bulges, depressions and other importections and as follows:
locations prior to the planting process, 4. The Contractors shall be responsible for any damage to	te to existing utilities, pavement or improvements. All reports shall be made	Modulum broom finish: Broom with coarso bristled broom across width of fathwork to a uniformly roughened surface. Flisished surface and edges shall be clean with uniform and resconably straight lines. Submit Sampie.
	at no expense to the Owner.	Light broam finlaix: Broom with Janiar's push broom type, with eath bristles, across width to a unitamity roughened suffice. There shall be no decepty forbed or obvivus fires. Submit sample.
 Ilsa Contractor shall solidly the Chimer's Kepresentiative alterned of progress of work throughout 	The Contractor shall solily the Owner's Keprosonalitive prior to beginning construction and shall keep the Owner's Representative bitemed of progress of work throughout landscape construction.	Steet trowel linish: After Ibading, and no the water is evident and/or no cement etizis to the linger when butching
 All work chall be treatified in conformation with all applied licented Contractor who shall obtain all necessary perm 	All work shall be installed in conformance with all applicable local codes and orbitances by experienced workmen and a licensed Contractor who shall obtain all necessary permits and pay all required foes.	cias, stok lower until nata, All dwei marks simenated. Fras towering oone when a frightly sound is produced as the tower is moved over the surface.
7. Any requirement in the Plans and 1 or Noles and Specific Owner's Representative shall be contracted formediately.	Any requirement in the Plans and / or Notes and Specifications shall be considered binding. In case of discrepancies, the Owner's Representative stial be contacted immediately	Joints: Joints shall be tooled with one-quarter trich (147) readus edging tool or as shown on plans.
8. It is the Contractor's responsibility to actuable regularists	It is the Contractor's responsibility to echadule regular site visits by the Owner's Representative Landscape Architect throughout	
entracepor conservant, et en organisa ya o no menezante. 9. Exercite weekkiy desnino of the site firstuchout the confe	satistication consequent, at any organisms of mainwaterior parter, and real satisfactors with organisms. Secure Execute weeky detention of the site throughout the contract period to remove all waste materials, rutables, other contrables, etc.	 Remove dange marker; Remove dange marke resulting from tooling of edges by carefully trowelling out, unless specifically detailed in plans.
	erel grading information and notes.	CARPENTRY NOTES:
11 All written dimonsions supersorie scaled distances. All festion dimonsions supersorie scaled distances. All	All written dinnensions suppresode scaled distances. All dinnensions are taken from back of curb, tuce of building, face of well festion of lence.	A. Wood malarials: See details for type of wood for each liem.
12. Upon award of list and phor to any constitucion, the Co	e Contractor shall perform the Percolation and Solis Testing as apacified in bean and comed at Ambient to the Institute and the Ambient to the Comedian and the	1. Wood shall be aelected for straightness and smoothness, size and grade as shown in plans.
tanishy conditions required to condition to conditions are conditions recorded to the conditions required to conditions required to conditions required to conditions required to conditions and conditions of conditions and conditions of conditions and conditions of conditions are conditions and conditions are conditions and conditions are conditions and conditions are conditions and conditions are conditional are conditions are conditions are conditional are conditions are conditional are condit	ne kan sy thous not a construction of the cons	B. Workmandig: Caretify plan and layout the work as neutried. Properly accommodate the work of other the uters. Accomply served, and fill unless the bits the separate beautiant, the lark grafts, and fewel, as inclinated or required, and permanently section (proper position with spectra online) by accomply section (proper position with spectra online) by accomply the proper position with spectra online).
GRADING NOTES:		Rubbashutal and night an an parta and convectors.
1. See Chil Engineers Grading & Erabien Control Plans.	UNG. Proposated actor (c) and consists unde Vocale (c) in soleting a Paracodilises and	controllers, was controllers as adversariation by all, accurated because the controllers are controllers, and controllers are some size as the set from the controllers are controllers and the controllers are controllers are some controllers and page and page and page are controllers are controllers and page are controllers and page are controllers are controllers and page are controllers and p
	report any discrepandes to Owner's Representative.	
Committee what he received the first property of the region of the received th	Contractor deal to wespoonligh for fielding grating. Verify positive detainage at a mirknum 7% skipse in bandscapes arress away from buildings and gened suifeces. The based shall be 1-15° believ top of diglicant pearing, headers, or curbs. No low spots witch that desarring water with the porntiard.	 relating As put pair. Reference of the factor of sections shall be smooth and continuous. Layout shall be approved by Owner's representable.
4. All salvageable, clean top soil from areas to be paved s	All sahvageable, clean top soll from areas to be paved shall be atcckpflied to be used as f3 in planting areas.	2. Насимате:
 Avoid coll compartion in existing and proposed landscaping to reduce compaction. 	Avoid soil compaction in existing and proposed landscaped areas. All equipment or stockpiling shoust be localed away from all proposed landscaping to reduce compaction.	A. All mated botts, seller, acrevys and other hardware shall be galventred steel, sized as shown on the plans.
SELON NOTIFICATION		 All viable hurdware shall be painfed with two coats of black nationof paint or to match and licedural colors. Color to be approved by Owner's representative.
1. Centralia morte la destala del Javo	Concesse work: Install concesses work as detailed. I secus of concesses work shall be as shown on construction plans and as	C. All hardware for metal gates to be approved by Owner's representative.
	en pun praed l'appropriée de l'appropriée de la	
A. Layout shall be approved by Owner's represental Representake two days in advance. Representake two days in advance.	Layout shall be approved by Owner's representative/Landscape Architect prior to concrete pour. Contact Owner's Representative two days in advance.	
2. Paving Installation:		 Fabritatie all oxforto stool work in shop, including all woking. All motal work shall conform to ASTM specifications. After connent and angless of moldings or frames unless otherwise noted.
Concrete Materials: For paving, concrete shall be than 2500 pal. For walls concreto shall be 8 sack	 Concrete Materials: For paving, concrete shall be a 5 seck mix producing concrete having a 28 day strength not less than 2500 pai. For walls concrete shall be 8 sack mix. 	C. Shop primer. One coat of primer, semi-quick drying. Painling: After material has been property cleaned apply shop primer post of paint to all surfaces. Apply all paint to accordance with manufacturer's directors. Spot paint all abrestons.
1. Partland cement: Conforming to ASTM. C150, Type I on mandwidth to tabuland unconnected controlland	Portland coment. Conforming to ASTM, C150, Type I or II. Total silvell content not to exceed 0.50%. Deliver cement and sill materials is labeled uncomend containers.	and field connections after salesmay. D. Instateston: Set all work closes. Ever field and neatly stremed out as detailed. Previde all necessary connections.
Term consists Special resistance School resistance on the form of or service consistence on seasons.	. Do not use form oil or any oil-bearing material.	
	xi/murn 3/4" size aggrapate.	E. Protect all mobal from damage to surface, profile or to shape from shop through construction to final acceptance of protect.
4. Buso course aggregatos; Conform to ASTM C33, Maximum 244* alox aggregatos	Maximum 3.44" size aggragato,	F. Color: Color to be approved by Owner's representative, submil sample for approval.
5. Water Clean and potable.		 All defective work ahali be repaired or replaced as directed Owner's representative.
6. Forms: Form material is Sub-contractor's option.		 All exposed alte metal for utilities, irrigation, etc., shall be partied with one cost brown rustoreof paint.
7.	Admixtures or fishs natardants: For workshilly, where approved by Ownor's representative, and admixture may be added in accordance with manufacturer's recommendations. Obtain approved of material prior to use.	
8. Espansion (but materials 38º thick pre-molded John Illian, conforming to ASTM 01782 or 01782.	nt illier, conforming to ASTM D1751 or D1752.	
Reinfording steel:		
a. Barz: Delomed, Intermediate grado	Barz: Deformed, intermediate grade, conforming to ASTIA A615, Grade 40 for sizes #5 and smaller.	
b. Taw Mire, Armaeled coppier-Deating steel wire, mizimum 16 gauga. 10. Waddad wiro mesh: 8"x 5"x #10.	nfling steet wfre, minimum 16 gauge.	
	Licual curing compound as required. Thempson's approved standard product lugitive reals type, or equal conforming to ASTM CAGG, free of wax or oil, compatible with subsequently expited finishes or coverings, not deletarisus to band of commetabous	
(2. Palking process) of personal process of personal process of personal process of personal	The property of the part Pediand centered or equal (part Wille and part gary adjusted to match color of surrounding contents) and 3-1/2 patts and with the feath and required to produce a workable maste. Rowerk this mortar unit is its the earliest constitutory that will permit placing.	
C, Concrete tratification:		
 Constouct bis subgrade true to grade and detail as sho content. 	Combuct. In autograde line to grade and detail as shown. Compact subgrade to 90% maximum density at oplinum moltune content.	
2. Sail forms with proper date the lite has depth. Prog. forms with proper date has left has depth. Prog. forms and transfer than 12 forms after inhibiting that beaus controlled to the proper depth forms after inhibiting that have present owners of representative's appropriate to pound accorded.	sal forms with upper degas than the form experience for proper present in the construction of the construc	
3. Embedded lentas: Do not place any experient all ter installed in their proper installed, a neutrel applient deput entalled in their proper installed.	Enbedded lenns. Do not place any controle until all fraended llenns such as sleeves, ancher bolls, weed, nails, dowest, otte, are installed in their proper locations, assured applied displacement, cleaned, hapected and approved. Furnish lies and supports	
incoosary a weep miceocae listins in placa wrain Lonz. 4. Weather: Ob not place concrete duting allo unless app	ilencassary us week minoecoec lumis all place minal cursava es placeas. Weekber: Do not place zoncrete during sell curless approved measures are laken to prevent damage to contrete.	

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GENERAL NOTES:
1. Contractor shall verify all existing site conditions
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		1 io. non xuitaté
+	Submittabs: Contractor shall submit the following items to Owner's Representative and Landscape Architect for reviewlapproval prior to Degithing planting matallation operations:	(Applied rates of soil amendment and commercial fartilizar shall be used for bidding purpose until determined by soil tests)
	A. Solis tasts: hildel site solis test & post amendment installation test.	F. Fertilize plants at the time of planting with Agriform 21-gram fertilizer packets, 20-10-5: 2 per 1 getten can; 3 per 5 gallon pack 4 per 15 million pack a produced from the of pulling
	 Vandor data for landscape products, including: bark mulch, root barriers, (ertilizers, sail amendments, and soil conditioners. 	cent, 4 pai 10 yellion cent, apprentions acces of pai instruct campes. G. Planto shall be erect after planting, and staked or guyed as detailed at the time of planting. Remove numery stakes.
	C. Written results of percolablen tests.	
ย์	The Contractor shall verify the availability of all fendscape plents within 10 days following award of the contract, Discrepancies or other problems and all plant substitutions shall be resolved at this time, if a substitute is surjointed by the Owner's	
*	Representative, it must be of the same size, velue and quality set the original plant. All reset and representative and originated of scheduledrycurd covers shall be inspected at the site for approved by the Owner's forecasterative and more about decoration scheduled covers shall be inspected at the site for approved by the Owner's	 All where shall be latered to postly known which by type specific indeptial branches with placks covered wive less as follows: Use shall be attached to wach suitces with 3VF plantabat inn stappes and attached to stucco or masonry suirloss with group as recommended by minufactures. See planting default.
	 Challip and state shall confirm to this State of California Conding Cocke of Verangy Stock Vio. I grade and to the current brained of the American State and of State of California Conding Cocke of Verangy Stock Vio. I grade and to the correct brained of the American State and of State of California Conding Cocke of California Challegorem. List outly instructives and California Cal	K. All trees tail by paper of 10°C minimum for the highly paper and of 2°C melouse from cate, paring the case, of 10°C conference of the same yield minimum for the paper of the paper of the paper of the end patelly plant exact Oner's Repositority. All these decident has 5°C minimum cate the interded selected on the patellogical plant categories with their repositority and their conference or the patellogical plant is not one the patellogical plant categories.
		other, minimaling profiles, interesting the minimal profiles of the minimal pr
		printe on women All trace shall be signated a minimum of \$1,4" swaw from shore draft or other undermeand tallite less (or not note) and
	 Pleast makefulls will not be accepted that are overgrown, reck-bound, or too recently canned so that the root system is not introughly existationed throughout the can. Pruning shalf not be done price to otherwy except as authorized by the Own'c's Roprocentation. 	
ທີ	Soll, Mulch, Ameniornentic:	M. All planting arone to rocche 3º layer of bark mulch, natural color, no dyea. Maintain a 6º clear area enound base of trees and shrubs to allow for air flow and not lo suffocsit the now planting with reuich.
	A. Soil Test: Contractor shall submit three (3) representative soil semplee to Soil and Plant Laboratory, Sama Clara or approved usual to be outself for applications adultability with prophist and optophist incommendations, immediately collections are considered by an adultability and immediately collections to strong the contract of the contrac	N. All trass and shrubs shall have watering bashn: around them. Besin dismeters shall be the same size as the free or shrub's rootball. Bashns shall be formed with level boltsms and 3 bitch high walls.
	entreaction on many transfer of the production o	 Soil smendments shall have been incorporated into the soil prior to planting.
	health, respect but not limited to the olderlyding. High of low still shall be seen construction of the seen of seen seen seed the seen of see	
	elements and compounds toxic to plants, etc., Submit report to Landscape Arthitect and Owner's Representative for provide and approxis prior to beginning work. Do not proceed with any amending operations until soits report has been resolved and represent	
	B. Compast be used for soil amendment at the rate indicated by the coll analysis to thing the soil orgents matter content to a rate internet of 3.2% by day weight on 2" of compost. Contractor may 1) impost topool lie meast orgents matter content is not, or 2) submit soils impost has familiar the season of the content of the population or proper institution.	 Thing (30) days after planting, replace all dead plants and fill in bare areas. Top dress with 16.4-8 fartilizar at 7 las /1000 sq. ft, when ground is dry and thoroughly trigate promptly after application
	(Bay-Friendly score card liem C.7.a.l.)	(Applied rates of sell amendment and commercial fertilizer shall be used for bidding purpose until determined by sell tests)
	Chapped to be added set follower his iglanding press at a rate of a trainbirrant of four captering they to lob equate bod of permeabile area shall be horspreaded to a deplo of at brinse this like old. Solic with greater than 5% cigable mailer in the lob of the thinks this like old. Solic with greater than 5% cigable mailer in the lob of the thinks they be the proposed that they are solic with a solic which they are solic with the solic which they are solic with the solic which they are solic with the solic with the solic which they are solic with the solic which they are solic with the solic which they are solic with the solic with the solic which they are solic with the solic which they are solic with the solic with the solic which they are solic with the solic which they are solic with the solic with the solic which they are solic with the solic which they are solic with the solic with the solic which they are solic with the solic with the solic with the solic with the solic which they are solic with the soli	NOT
	לימונונים לחים להיים לימונים מספר בת מנותות לימונים מספר מינים מספר בת מונים מספר מינים מינ	8. Workhanship.
	Amburit par 1000 square foot	Precautions shall be taken to avoid damage to existing plants, furl and structures. Any ereas damaged shall be restored to their original condition.
	The second state of the second	9. Сманчр:
	As the Control to the	Keep all gross of work clean, neat and orderly at all times. Keep all paved areas clean during planting and maintenance
	10 bs. tron sultato	operatories. 10. Slin Vielle and Americale:
	 Soli amendment in all planting areas shell be uniformly spread and thoroughly incorporated to a soil depth of 6" minimum 	
	 Post Amendment Instalation Soil Testing for Congisioner, After incorporating amendments fertitiens and conditioners, Contractor shall selv there (3) Proposomation soil sangless and have samples trated for Agricultural Salabality and Fertility by an approved soils analysis laboratory for compliance with original self left inport recommendations. Add any 	 Mandenance: Absolutemence after each plant is installed and continue until Final Acceptance.
	oddiloval monomenest, kelligizar sat condiçiones recommended by ciles samaya biolomicaje ni o cost lo Owner. Nesty Owner's Representative of dany potential sodis potential colds in the report. Schrift report for an amenderentative of conditional conspilators to Landscape Architect and Owner's Representative prix to beginning nemeron monomions.	
	E. Ambhum Rine hat hay of mich also be appled on all reposed soll authors of parting areas except in the farea, granufover, and that the state of parting areas except the fareas, approximent that except applications of parting and applications of the parting of parting and applications over properties of any parting of parting and applications over properties of parting of parting of parting and parting any parting any parting any parting and parting and parting any parting any parting and parting any parting and parting any parting any parting and parting and parting and parting any parting any parting and parting and parting any parting and parting any parting and parting any parting and parting any parting and parting	C. Makatomara of swe placing that leadered of restrance, pullenting, sweeting, stressing, suppliesing and motaling of adjustment of the pullenting of the pu
	products are not uptary available. Urganut muches are not required where promoted by local rulet Modelication Man Guidofinos or other applicable local ordinances.	D. Protect planifing areas and plants at all times against damage of all kinds, including frost, for duration of maintenance
.	Tree and Shub Planling:	ponto, Mattenhance includes temporary protection tendes, Latriest, covers during frees and egyte as required for protection. If any plants become demaged or fejurad, frest or replace as directed by Landscape Auchlisct at no additional cost to Owner.
	Prior to digging holes for final planting, the Contractor shall spot all trees as shown on the Drawings for approval by the Landscape Architect.	13. Guarantoc.
	A. Soil amondments and fortilizer shall have been incorporated into the soil prior to tree and shrub planting.	A. Replacement trees shall be in thriving condition 3 years from the date of final acceptance. Any replacement trees which have lost at least 30% of their normal follage or are not in vigorous growing condition shall be replaced.
		B. All other trees, structs, grasses, ground covers shall be in blyking condition if year from the date of final acceptance, Replace any trees which have lost at least 30% of their normal follage or are not in vigorous growing condition.
	D. Processing in Card, Alpanting and that subsets or estimates category for the service processing and an expension of the service of the ser	
	E. Planting backfill mix for trees and shrubs shall be:	

NAME OF THE PROPERTY OF THE PR (Se Filtre Artistere) 441 (-) in 4400 teacher are 100-res (-) 00 teacher ar BAN MATEO CALIFORM LANDSCAPE IMPROVEMENT PLANS DEVINED. HIGHLAND ESTATES

PLANTING NOTES:

CHAMBERIAIN GROUP SES SITTES, SMILE 250 Sen Cerlos, CA 94070 Cerlos, CA 94070