

PLANS FOR INSTALLATION of CLUSTERED BOAT

DOCKS

at

2608 SCENIC DRIVE for TARRY TOWN BOAT CLUB

REVISIONS				
NO.	DESCRIPTION	REVISION SHEET NO.	DATE	% SITE APPROVED

CORRECTIONS				
NO.	DESCRIPTION	REVISION SHEET NO.	DATE	% SITE APPROVED

EROSION CONTROL NOTES

Appendix F-1

- The contractor shall install erosion/sedimentation controls and treeshrub area protective fencing prior to any site preparation work (clearing, grubbing or excavation).
  - The placement of erosion/sedimentation controls shall be in accordance with the Environmental Criteria Manual and the approved Erosion and Sedimentation Control Plan.
  - The Placement of treeshrub area protective fencing shall be in accordance with the City of Austin Standard Notes for Tree and Natural Area Protection and the approved Grading/Tree and Natural Area Protection conference shall be held on-site with the contractor, design Engineer/representative, applicant and Environmental Inspector after installation of the erosion/sedimentation controls and treeshrub area protection measures and prior to beginning any site preparation work. The contractor shall notify the Planning & Development Review Department, (512)974-2278, at least three days prior to the meeting date.
  - Any major variation in materials or locations of controls or fences from those shown on the approved plans will require a revision and must be approved by the reviewing Engineer, Environmental Specialist or City Advisor as appropriate. Major revisions must be approved by the Planning & Development Review Department. Erosion and Sedimentation Control Plans may be required by the Environmental Inspector during the course of construction to correct control inadequacies.
  - The contractor is required to inspect the controls and fences at weekly intervals and after significant rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six (6) inches.
  - prior to final acceptance by the City, haul roads and wetway crossings constructed for wetway installation shall be inspected and approved by the City. After construction is complete, the wetway and the area restored to the original grade and revegetated. All land clearing debris shall be deposited in a approved spoil disposal sites.
  - All work must stop if a void in the rock substrate is discovered which is: one square foot in total area; blows air from within the substrate and/or consistently receives water during any rain event. At this time it is the responsibility of the Project Manager to immediately contact a City of Austin Environmental Inspector for further investigation.
  - Temporary and Permanent Erosion Control: All disturbed areas shall be restored as noted below. All disturbed areas to be revegetated are required to place a minimum of six (6) inches of topsoil (see Standard Specification Item No. 601.15 3(A)). Do not add topsoil within the critical root zone of existing trees. The topsoil shall be composed of 3 parts of soil mixed with 1 part compost, by volume. The compost shall be Dillo Dirt or an equal approved by the Engineer, or designated representative. The approved equal, if used, shall meet the definition of compost (as defined by the U.S. Composting Council). The soil shall be locally applied native soil that meets the following specifications:
    - Shall be free of trash, weeds, deleterious materials, rocks, and debris.
    - Shall pass through a 20-mesh (No. 10) screen.
    - Soil known locally as "red dirt" or Austin Sandy Loam in accordance with the USDA texture triangle. Soil known locally as "red dirt" or Austin Sandy Loam is not an allowable soil. Textural composition shall meet the following criteria:

Texture Class	Minimum	Maximum
Clay	5%	25%
Silt	10%	50%
Sand	30%	80%
- Topsoil salvaged from the existing site may often be used, but it should meet the same criteria as the native soil.

TEMPORARY VEGETATIVE STABILIZATION:

The vegetative stabilization of areas disturbed by construction shall be as follows:

- From September 15 to March 1, seeding shall be with cool season cover crops (Wheat at 0.5 pounds per 1000 SF, Oats at 0.5 pounds per 1000 SF, Cereal Rye Grain at 0.5 pounds per 1000 SF) with a total rate of 1.5 pounds per 1000 SF. Cool season cover crops are not permanent erosion control.
- From March 2 to September 14, seeding shall be with hilled Bermuda at a rate of 1 pound per 1000 SF.
  - Seeding shall be with a water soluble, an analysis of 15-15-15 to be applied once at the time of seeding and once during the period of establishment at a rate of 1/2 pound per 1000 SF.
  - Hydromulch shall comply with Table 1, below.
  - Temporary erosion control shall be acceptable when the grass has grown at least 1/4 inches high with 95% coverage, provided no bare spots larger than 16 square feet exist.
  - When required, native grass seedling shall comply with requirements of the City of Austin Environmental Criteria Manual.

Table 1: Hydromulching for Temporary Vegetative Stabilization

Material	Description	Layer/Depth	Typical Applications	Application Rates
70/30 Wood/Celulose Blend	Mulchpaper 3% Tackifier	0-3 months	Moderate Slopes: from flat to 5:1	45.9 lb/1000 SF
Wood Fiber Mulch	96% Wood 3% Tackifier	0-3 months	Moderate slopes: from flat to 3:1	45.9 lb/1000 sf

PERMANENT VEGETATIVE STABILIZATION

- From September 15 to March 1, seeding is considered to be temporary stabilization only, if cool season cover crops exist where permanent vegetative stabilization is desired, the grasses shall mowed to a height of less than one-half (1/2) inch and the area shall be re-seeded in accordance with 2, below.
  - From March 2 to September 14, seeding shall be with hilled Bermuda at a rate of 1 pound per 1000 SF with a purity of 95% with 85% germination. Bermuda grass is a warm season grass and is considered permanent erosion control.
    - Fertilizer shall be a water soluble, an analysis of 15-15-15 to be applied once at the time of seeding and once during the period of establishment at a rate of 1/2 pound per 1000 SF.
    - Hydromulch shall comply with Table 2, below.
    - The planted area shall be irrigated or sprinkled in a manner that will not erode the topsoil, but will sufficiently soak the soil to a depth of six inches. The irrigation shall occur at daily intervals (minimum) during the first two months. Rainfall occurrences of 1/2 inch or more shall postpone the watering schedule for one week, when the grass has grown at least 1/2 inches high with 95% coverage, provided no bare spots larger than 16 square feet exist.
- When required, native grass seedling shall comply with requirements of the City of Austin Environmental Criteria Manual.

Table 2: Hydromulching for Permanent Vegetative Stabilization

Material	Description	Layer/Depth	Typical Applications	Application Rates
70/30 Wood/Celulose Blend (B/M)	80% Internally Refined Wood 30% Tackifier	6 months	On slopes up to 2:1 and erosive soil conditions	65.3 lb/1000SF
	Developer Information			

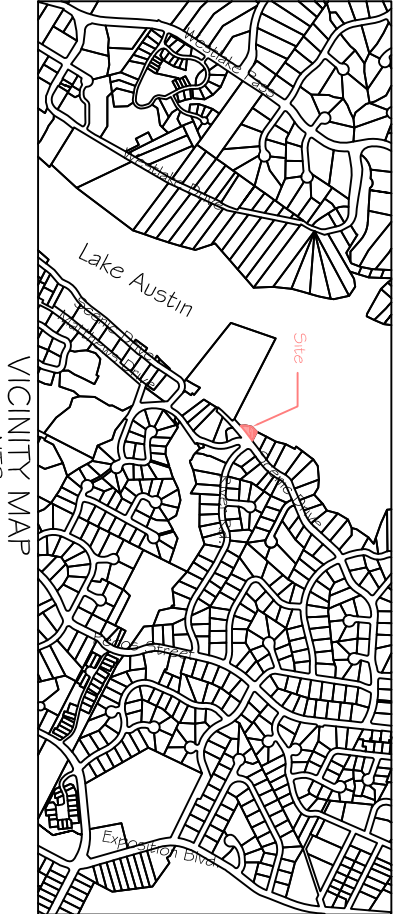
OWNER: Tarry Town Boat Club  
PHONE # (512) 632-7526  
ADDRESS: 2608 SCENIC DRIVE, AUSTIN, TX 78703  
OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:  
NAME: Tarry Town Boat Club  
PHONE # (512) 632-7526  
PERSON OR FIRM RESPONSIBLE FOR TREESHUB AREA PROTECTION MAINTENANCE:  
NAME: Tarry Town Boat Club  
PHONE # (512) 632-7526  
PERSON OR FIRM RESPONSIBLE FOR TREESHUB AREA PROTECTION MAINTENANCE:  
NAME: Tarry Town Boat Club  
PHONE # (512) 632-7526

- The contractor shall not dispose of surplus excavated material from the site without notifying the Planning & Development Review Department at (512)974-2278 at least 48 hours prior with the location and a copy of the permit issued to receive the material.
- CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

- All trees and natural areas shown on plan to be preserved shall be protected during construction with temporary fencing.
- Protective fences shall be erected according to City of Austin Standards for Tree Protection, grading), and shall be maintained throughout all phases of the construction project.
- Erosion and sedimentation control barriers shall be installed or maintained in a manner which does not result in protective fences shall surround the trees or group of trees, and will be located at the outermost limit of branches (drip line), for natural areas, protective fences shall follow the Limit of Construction line, in order to prevent the following:
  - Soil compaction in the root zone area resulting from vehicular traffic or storage of equipment or materials;
  - Root zone disturbances due to grade changes (greater than 6 inches cut or fill), or trenching not reviewed and authorized by the City Advisor;
  - Wounds to exposed roots, trunk or limbs by mechanical equipment;
  - Other activities detrimental to trees such as chemical storage, contact, truck cleaning, and fires.
- Where there is to be an approved grade change, impermeable paving surface, tree well, or other such site development, erect the fence approximately 2 to 4 feet beyond the area disturbed;
- Where permeable paving is to be installed within a trees drip-line, erect the fence at the outer limits of the permeable paving area (prior to site grading so that the area is graded separately prior to paving installation to minimize root damage);
- Where trees are close to proposed buildings, erect the fence to allow 6 to 10 feet of work space between the fence and the building;
- Where there is to be a space constraints due to tract size, or other special requirements, contact the City Advisor at 974-1676 to discuss alternatives.

SPECIAL NOTES: For the protection of natural areas, no exceptions to installing fences at the Limit of Construction line will be permitted.

- Where any of the above exceptions result in a fence being closer than 4 feet to a tree trunk, protect the trunk with strapped-on pinking to a height of 8 feet (or to the limits of lower branching) in addition to the reduced fencing provided.
- Temporary removal shall be removed in a manner which does not impact trees to be preserved.
- Any trees exposed by construction activity shall be pruned flush with the soil. Backfill root areas with good quality top soil as soon as possible. If exposed root areas are not backfilled within 2 days, cover them with organic material in a manner which reduces soil temperature and minimizes water loss due to evaporation.
- Any trenching required for the installation of landscape irrigation shall be placed as far from existing tree trunks



VICINITY MAP

- No undrains topsoil dressing greater than 4 inches shall be permitted within the drip-line of trees. No soil is permitted on the root flare of any tree.
- Fencing to provide clearance for structures, vehicular traffic and equipment shall take place before damage occurs (uprooting of branches, etc.).
- All finished pruning shall be done according to recognized, approved standards of the industry (Reference the National Arborist Association Pruning Standards for Shade Trees available on request from the City Advisor).
- Deviations from the above notes may be considered ordinance violations if there is substantial noncompliance or if a tree sustains damage as a result.

GENERAL NOTES:

- Tree protection fence should be chain link.
- All materials to be used on proposed bikeway shall be approved by FARD.

Site Plan Release Notes: The following site plan release notes are included in accordance with the City of Austin's request: Some of these notes pertain to related permits or site plans, but do not specifically apply to the bikeway site plan. Applicant will comply with all applicable City of Austin requirements.

- All improvements shall be made in accordance with the related site plan. Any additional improvements will require site plan amendment and approval of the Planning & Development Review Department.
- Approval of this Site Plan does not include Building and Fire Code approval nor building permit approval.
- All signs must comply with requirements of the Land Development Code, (Section 13-2, Article VII)
- All existing structures shown to be removed will require a demolition permit from the City of Austin Planning & Development Review Department.
- Construction permit must be issued prior to an application for building permit for non-consolidated or Planning & Development Review Department.
- For driveway construction: The owner is responsible for all costs for relocation of, or damage to utilities.
- For construction within the right-of-way, a concrete permit is required.

CONSTRUCTION SEQUENCE

THE FOLLOWING IS A SEQUENCE OF CONSTRUCTION:

- INSTALL ENVIRONMENTAL SEDIMENTATION CONTROLS
- INSTALL TREE PROTECTION CONTROLS (AS NEEDED)
- INSTALL NATURAL AREA PROTECTION (AS REQUIRED)
- NOTIFY ENVIRONMENTAL INSPECTOR (974-2278) AT LEAST 72 HOURS PRIOR TO PRE-CONSTRUCTION MEETING
- HOLD PRE-CONSTRUCTION MEETING ON SITE
- REMOVE EXISTING DOCKS
- INSTALL NEW BOAT DOCKS, RESTROOM, UTILITY SERVICES AND PARKING
- REPERMUTE EXISTING PAVING SURFACE
- REMOVE EXISTING VEGETATION AND PROTECT EXISTING TREES
- REMOVE TEMPORARY EROSION/SEDIMENTATION AND PROTECTION CONTROLS
- No vegetation within the shoreline setback area shall be removed before the issuance of a building permit, except as may be required for surveying and testing. Areas cleared for surveying or testing shall be no more than 15 feet wide and no trees of six inches or more in diameter shall be removed for surveying or testing.
- WATERSHED STATUS: This site is located in the Lake Austin watershed, is classified as a watershrp Suburban watershed and shall be developed, constructed and maintained in conformance with Chapter 25 of the Land Development Code.
- FLOODPLAIN INFORMATION: Part of this project is within the 100-year flood plain as shown on the F.E.M.A. Flood Insurance Rate Map No. 4845300445H.
- PROJECT ADDRESS: 2608 Scenic Drive
- OWNER: Tarry Town Boat Club
- ENGINEER: Bruce S. Aupperle, P.E.
- DATE: November 3, 2008
- LEGAL DESCRIPTION: Lot 38, less N1/5 95th of Tarrytown River Oaks Sec. 2 Plus 190' of 11/2 Adj Vasc St. and 1.40 acres and 73 acres of ABS 313 SUR 8 Gilbert D.J.
- RELATED CASES: CB-04-0040, CB-54-72

OWNERS:

Tarry Town Boat Club  
2608 Scenic Drive  
Austin, Texas 78703

ENGINEER:

Bruce S. Aupperle, P.E.  
Aupperle Company  
2219 Westlake Dr. Ste. 110  
Austin, Texas 78746  
Office # Fax (512) 329-8241

NO. SHEET TITLE

- COVER, NOTES & DETAILS
- SITE PLAN, DOCK PLAN & ELEVATIONS

Release of this application does not constitute a verification of all data, information and calculations supplied by the applicant and is solely responsible for the completeness, accuracy and adequacy of higher shential, whether or not the application is reviewed for Code compliance by City engineers.

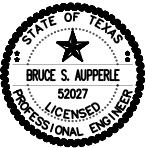
All responsibility for the adequacy of these plans remain with the engineer who prepared them. In approving these plans, the City of Austin must rely upon the adequacy of the work of the design engineer.

APPROVED BY:

Plans & Recreation Board	Date
Austin Water Utility	Date
For the Director, Planning and Development Review Department	Date
SP-2009-0239D	
Site Plan/Development Permit Number	
October 28, 2009	
Submitted Date	

2608 Scenic Drive  
Cover, Notes & Details

AUPPERLE COMPANY  
Engineering, Planning & Development Services  
2219 Westlake Drive #110, Austin, Texas 78746 512 329-8241



NO.	DATE	REVISION	APPROVED

