

RESOLUTION NO. 2009-10

A RESOLUTION OF THE BOARD OF DIRECTORS OF
BIG BEAR MUNICIPAL WATER DISTRICT
AMENDING RESOLUTION NO. 2009-01 AS IT RELATES TO HEADWALKS

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE BIG BEAR MUNICIPAL WATER DISTRICT as follows:

1. Purpose and Scope.

This resolution amends regulations for the placement of headwalks on Big Bear Lake.

2. Amendment: Definitions.

Section 2 of Resolution No. 2009-01 is amended and reenacted to read as follows:

“2. Definitions.

The following terms are defined for the purposes of this resolution, unless otherwise apparent from context:

- (a) Adjacent Property: Property above the high water line of Big Bear Lake adjacent to and abutting the shorezone.
- (b) CEQA: California Environmental Quality Act.
- (c) District: Big Bear Municipal Water District.
- (d) Headwalk or headpier: An uncovered raised walkway constructed on pilings and installed in the Lake bottom to provide pedestrian access to a dock gangway.
- (e) High Water Line or HWL: Historic contour line within Bear Valley at the Bear Valley Dam spillway elevation of 6743.25' (NGVD-29) mean sea level.
- (f) Lake: Big Bear Lake.
- (g) Ministerial: Permits associated with the following projects:
 - (1) the placement of up to 50 cubic yards of sand or gravel below the high water line, proof of an equal amount of material has been removed, the removal of vegetation and/or willows, the planting of vegetation for slope protection, and the removal of 100 cubic yards of material;
 - (2) the placement of up to 50 cubic yards of riprap below the high water line for shoreline erosion control, may or may not require an equal amount of removal depending upon the District's environmental review of the project;
 - (3) installation of footing protection for construction of a seawall on private property; and
 - (4) construction and installation of a head walk on District property. The standard drawings for the above activities are included in Section XII, Exhibits.
- (h) MSL: mean sea level.
- (i) Seawall: shoreline retaining wall.
- (j) Shorezone: lake bottom area below and including elevation 6743.25' (NGVD-29). In some cases, the shorezone may be above elevation 6743.25' (NGVD-29) due to fill, accretion, land subdivisions or other natural or manmade activities.”

3. Amendment: Shorezone Classifications.

Section 3 of Resolution No. 2009-01 is amended and reenacted to read as follows:

“3. Shorezone Classifications.

- (a) Described below are the three shorezone classifications and the types of alterations permitted within each classification:
 - (1) R-Shorezones: are typically adjacent to privately owned residential lakefront property. Motels, hotels, dock clubs or similar residential-oriented lake facilities shall be considered in this classification. No fences, piers, decks, seawalls, headwalks or other permanent structures

may be placed within the shorezone and no part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(2) CR-Shorezones: are commercial recreation areas which shall be dedicated to providing water-oriented recreation facilities to the general public. Specifically included in this zone are the seventeen commercial boat landing licenses. No fences, piers, decks, seawalls, headwalks or other permanent structures may be placed within the shorezone, and no part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(3) PR-Shorezones: shall be dedicated to the construction and maintenance of public facilities. Shorezone areas in this classification are typically located adjacent to lakefront property owned and maintained by a public agency. Permanent docks, piers, headwalks, seawalls or other permanent structures, with size and other restrictions to be determined on a case by case basis may be allowed within this class. No part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(4) In each of the above classifications, the following projects shall be allowed:

- (a) Ministerial projects;
- (b) Dredging per attached drawings and specifications;
- (c) Docks or mooring buoys in accordance with dock standards; and
- (d) Steps constructed of reinforced concrete or other District

approved material.”

4. Amendment: General Specification and Regulations.

Section 5 of Resolution No. 2009-01 is amended and reenacted to read as follows:

“5. General Specifications and Regulations

(a) No work shall be authorized between December 1st and March 31st of any year in compliance with eagle habitat restrictions, unless otherwise authorized by the appropriate regulatory agency. On any project not completed by November 30th, project proponent shall have implemented District approved erosion control measures as applicable.

(b) Discharge into the Lake or on the Lake bottom of oil, grease or other lubricants, hydraulic fluid or similar chemicals is specifically prohibited. All appropriate measures shall be taken to prevent such substances from reaching the Lake.

(c) Use of herbicides or other toxic substances as part of a shorezone alteration project is prohibited.

(d) The District’s routine lake maintenance activities shall be exempt from the provisions of these standards. Routine lake maintenance activities include but are not limited to: aquatic weed management, debris removal, emergency erosion control, beach replenishment, dock removal and removal of hazards to navigation.

(e) No project shall be considered that results in a net loss of lake storage capacity or surface acres, unless the District determines there is an overriding public benefit.

(f) Any material placed as part of any shorezone alteration shall not contain asphalt, toxic substances, excessive organic material or any substance that would adversely affect the water quality.

(g) During construction, shorezone alteration projects may be required to provide access to the shoreline for lake maintenance vehicles and equipment.

(h) The applicant for a shorezone alteration permit may be required to present a legal record of survey showing the lakeside boundary of the property to be altered. In these cases, permanent monuments shall be set for the lakeside boundaries by a licensed civil engineer or surveyor.

(i) In an emergency situation, shoreline protection may be accomplished only through the temporary placement of sandbags or other District approved means until such time as an appropriate project can be developed and approved.

(j) In many reaches of the shorezone of Big Bear Lake, sewer systems owned by public agencies exist. The design of any shorezone alteration project shall consider the location and depth of any sewer line and or manholes when designing a project.

(k) A prime concern of the District is a workable compromise between the private property rights of the lake front property owner and the right of access to the lake by the general public. Public accessibility to the particular stretch of shoreline before and after a project will be evaluated. No shorezone alteration project shall be approved if it results in a significant reduction in access by the general public to the affected portion of the Lake.”

5. Amendment: Specifications and Standard Drawings

Section 6 of Resolution No. 2009-01 is amended and reenacted to read as follows:

“6. Specifications and Standard Drawings

(a) Dredging and Erosion Control:

(1) Dredge projects shall typically be designed in conformance with the attached Exhibit “A”, in which dredging to the finish elevation of 6728’ (NGVD-29) is recommended. However, projects shall be evaluated on a case-by-case basis, taking into consideration the topography and geography of the area, economics and access. Dredging to elevation 6728’ (NGVD-29) or any other elevation does not guarantee the ability to navigate in perpetuity due to historic fluctuations of the Lake level;

(2) The quantity of all material either placed in or removed from the Lake shall be recorded daily and reported in writing to the District weekly;

(3) The recommended slopes are 3:1. However, other slopes will be considered after reviewing the direction of the prevailing winds and topography. The final protective covering shall be placed as soon as possible after the final slope is established. Slope protection shall be placed before December 1st of each year;

(4) Each applicant shall be given the most recent contour map of Big Bear Lake for use as a guideline to design the project. However, it is the responsibility of the applicant to verify the current depths and distances in the project area when designing the project;

(5) Exhibit “B” is a typical drawing of a dredge project in an area where sewer facilities exist. Generally the manholes are set at elevation 6744’ (NGVD-29) plus. The topography over the sewer line and around the manholes is often below elevation 6744’ (NGVD-29). The project may be designed to fill the that area to a distance of five feet into the Lake from the centerline of the manhole or sewer line, providing property is protected with rock riprap as per Exhibit “B” and also provided no permanent structures are installed on fill area. The fill area shall remain open for public access and may be planted with natural vegetation to protect against erosion. As per the drawing, the top of the dredged slope shall begin a minimum of five feet toward the Lake from the sewer line or center line of the manhole;

(6) Rock riprap, 12” or greater in diameter, or District approved substitute, shall be placed as shown on Exhibit “ A ” over an approved filter fabric material stapled in place, to elevation 6744’ (NGVD-29). The bottom elevation shall be 6728’ (NGVD-29), or the finish grade of dredging;

(7) No work shall be allowed in the water until a satisfactory silt curtain is installed in place surrounding that portion of the project within the Lake. This restriction shall apply during the construction and the removal of coffer dams. The silt curtain shall be capable of withstanding wind and wave action reasonably expected at the site. The silt curtain shall be inspected in place by District personnel prior to the start of construction and prior to its removal upon final acceptance of a project;

(8) Any material removed from dredge site shall be transported in such a manner as to preclude leakage of material onto roadway;

(9) Construction of new private launch ramps or reconstruction of existing private launch ramps is prohibited.

(b) Seawall footing protection specifications (Typical drawing shown on Exhibit “D”):

(1) Seawalls constructed on private property for the purpose of keeping that property from eroding into the Lake shall be built per applicable building codes;

(2) The footing of the wall shall be constructed below elevation 6743.25' (NGVD-29) and on original or compacted ground;

(3) The protection shall consist of two feet by two feet (2' X 2') minimum excavation at the bottom of the wall adjacent to the footing. After lining the excavation with an approved filter material, it shall be backfilled with twelve inch or larger rock.

(c) Head Walk specifications (Typical drawing shown on Exhibit "E")

(1) Class "PR" shorezone areas:

(a) A head walk shall be no more than 8 feet in width, shall be placed perpendicular to the shore, and shall extend no more than 24 feet beyond the lakeside boundary of applicant's property. In the event the applicant's lakeside property boundary is located below the existing high water line, the head walk shall not extend more than 24 feet beyond the existing high water line;

(b) Any access steps to the head walk shall be included in the calculation of the 24 feet maximum;

(c) Steel pilings or plastic pilings with a steel core, approved by the District, shall be driven into the Lake bottom and shall not be anchored in concrete;

(d) A head walk shall have guardrails;

(e) The opening to the gangway shall be gated whenever the dock system is removed;

(f) A head walk shall be uncovered;

(g) The deck portion of the head walk shall be no higher than elevation 6,745' (NGVD-29);

(h) A head walk shall meet applicable building code requirements."

6. Amendment: Violations.

Section 12 is added to Resolution No. 2009-01 to read as follows:

"12. Violations

Any person who violates any provisions of this resolution is guilty of an infraction. Such person is guilty of a separate offense for each and every day during any portion of which any violation of these standards is committed, or continued by such person, firm or corporation, and shall be punishable. The District may also seek civil remedies including any injunctive relief which might be appropriate."

7. Amendment: Exhibits.

Section 13 is added to Resolution No.2009-01 to read as follows:

"13. Standard Drawings.

Standards for shorezones alteration are shown on attached Exhibits. "

8. Other

Except as provided herein, Resolution No. 2009-01 is affirmed and readopted.

APPROVED AND ADOPTED on August 6, 2009.


Paula Fashempour, Vice President

ATTEST:

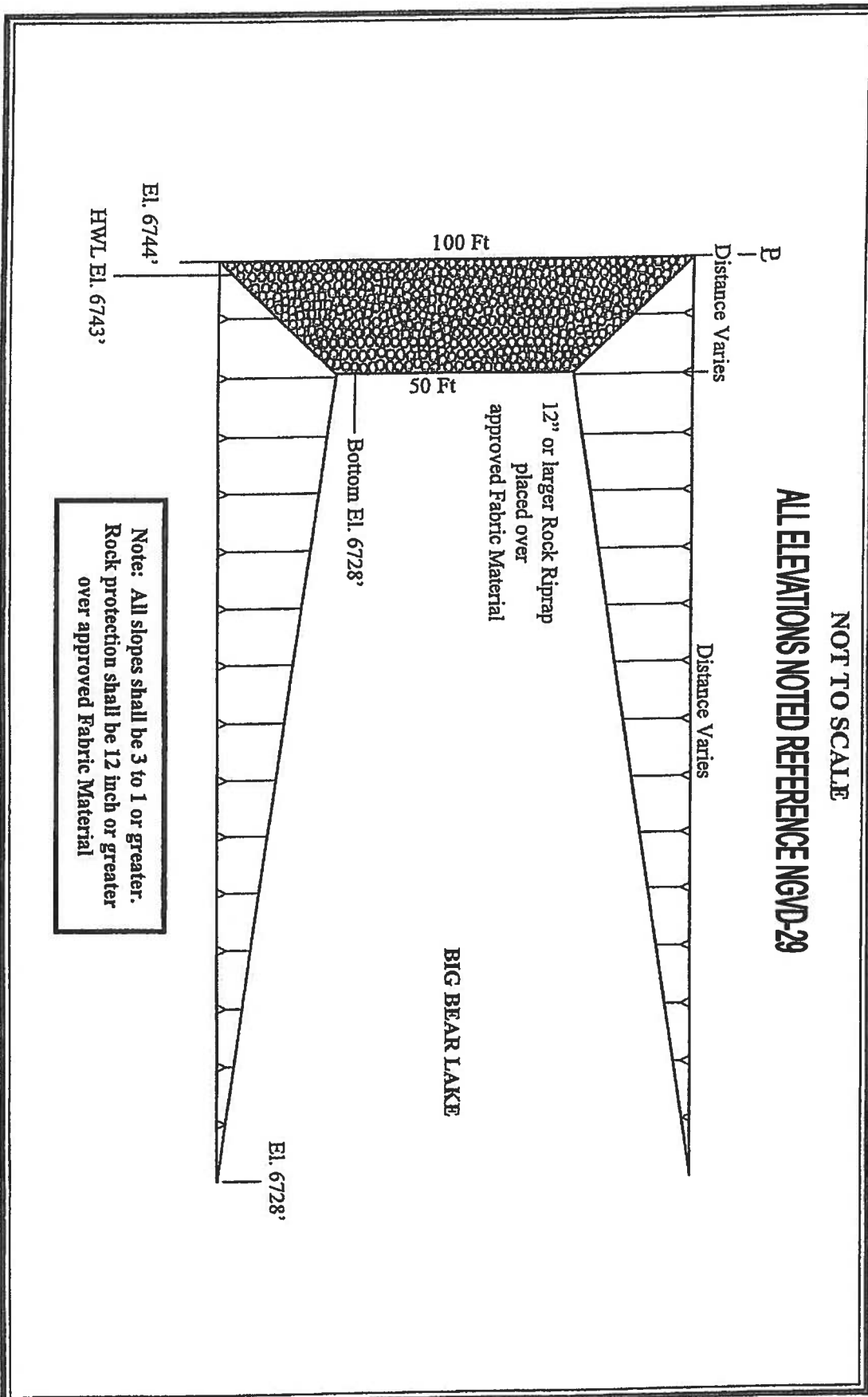

Vicki Sheppard, Secretary to the Board

(Seal)

EXHIBIT A
 PLAN VIEW
 TYPICAL DREDGE PROJECT

ALL ELEVATIONS NOTED REFERENCE NGVD-29

NOT TO SCALE



Note: All slopes shall be 3 to 1 or greater.
 Rock protection shall be 12 inch or greater
 over approved Fabric Material

**EXHIBIT A Cont.
TYPICAL PROFILE SECTION
OF DREDGE PROJECT**

**NOT TO SCALE
ALL ELEVATIONS NOTED REFERENCE NGVD-29**

Note: Example shows water level at El. 6733' Water Level

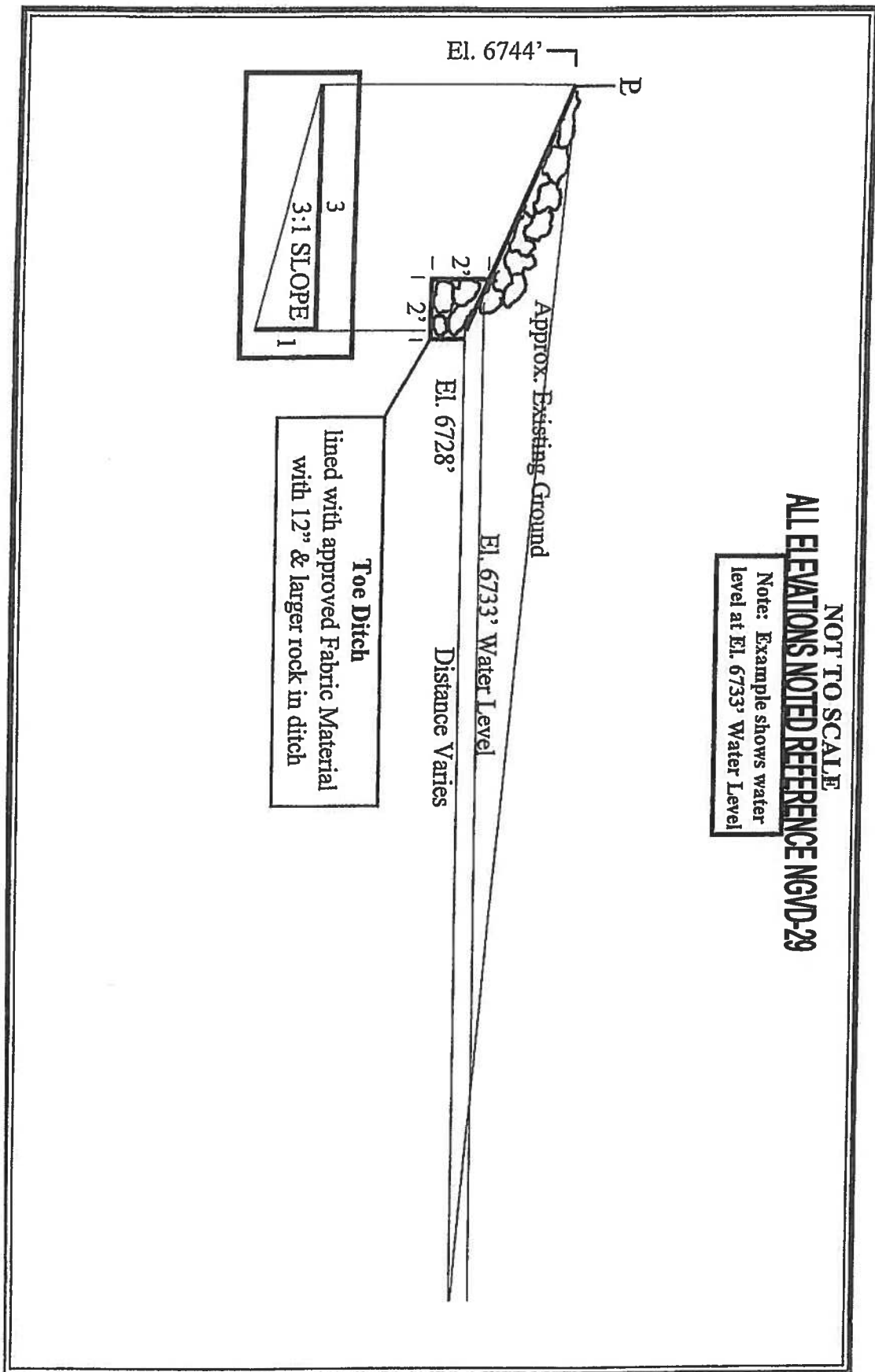


EXHIBIT B
TYPICAL PROFILE SECTION
OF DREDGE PROJECT
WITH SEWER FACILITY

NOT TO SCALE

Note: Example shows water level at El. 6733' Water Level

ALL ELEVATIONS NOTED REFERENCE NGVD-29

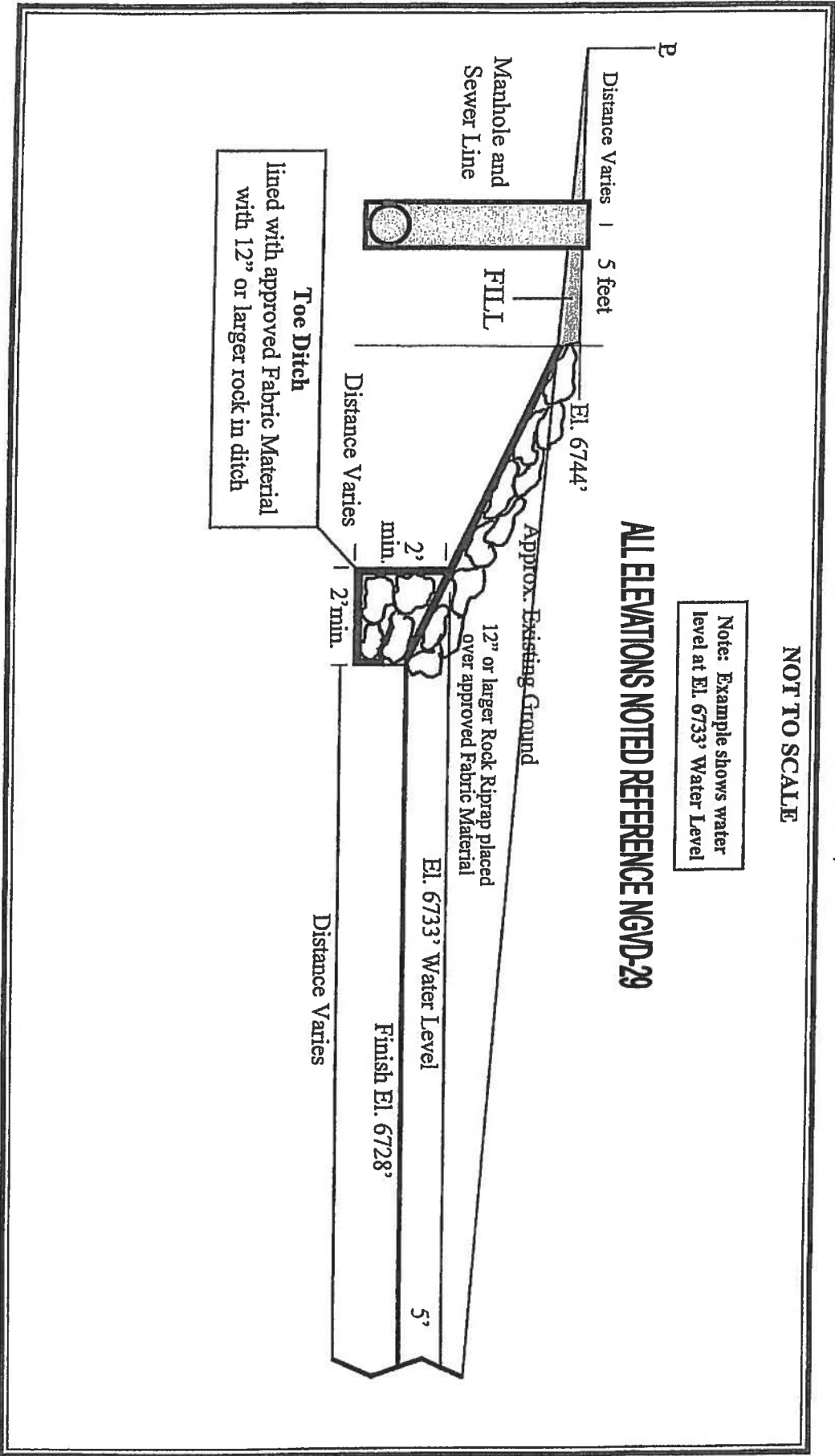
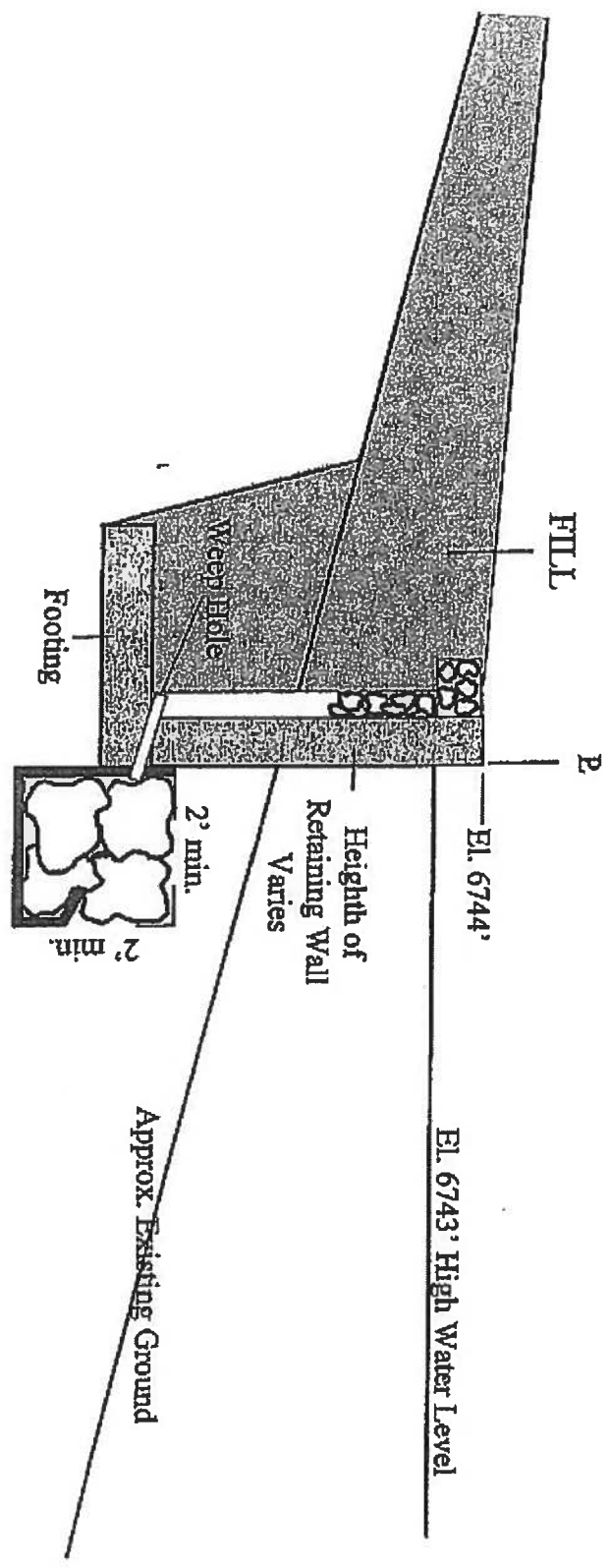


EXHIBIT C
TYPICAL PROFILE SECTION
OF RETAINING WALL ON PRIVATE PROPERTY
WITH FOOTING PROTECTION

NOT TO SCALE
ALL ELEVATIONS NOTED REFERENCE NGVD-29



Toe Ditch
 lined with approved Fabric Material
 with 12" or larger rock in ditch

Owner shall Provide for Clean Drainage into Lake

EXHIBIT D
TYPICAL HEAD WALK
PLAN VIEW

NOT TO SCALE
ALL ELEVATIONS NOTED REFERENCE NGVD-29

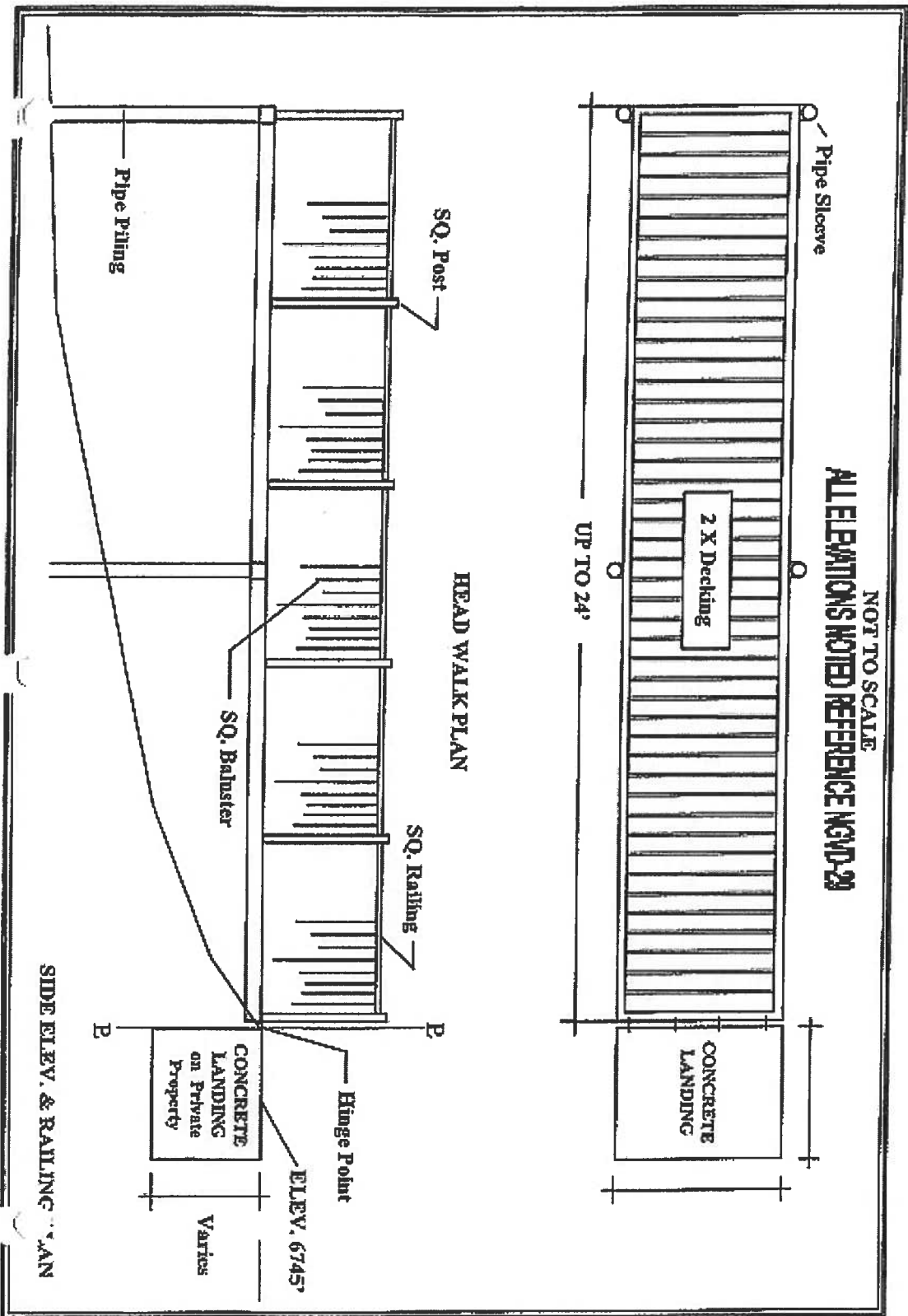
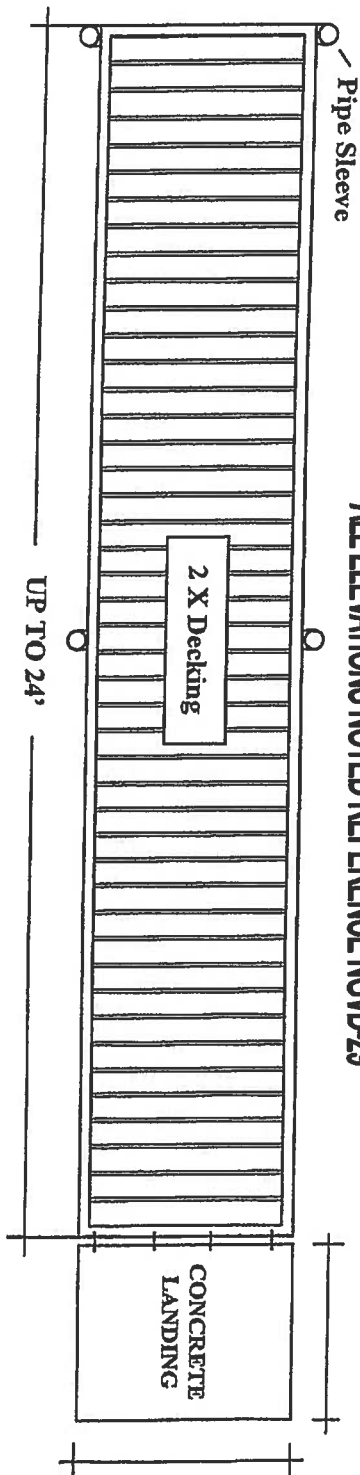
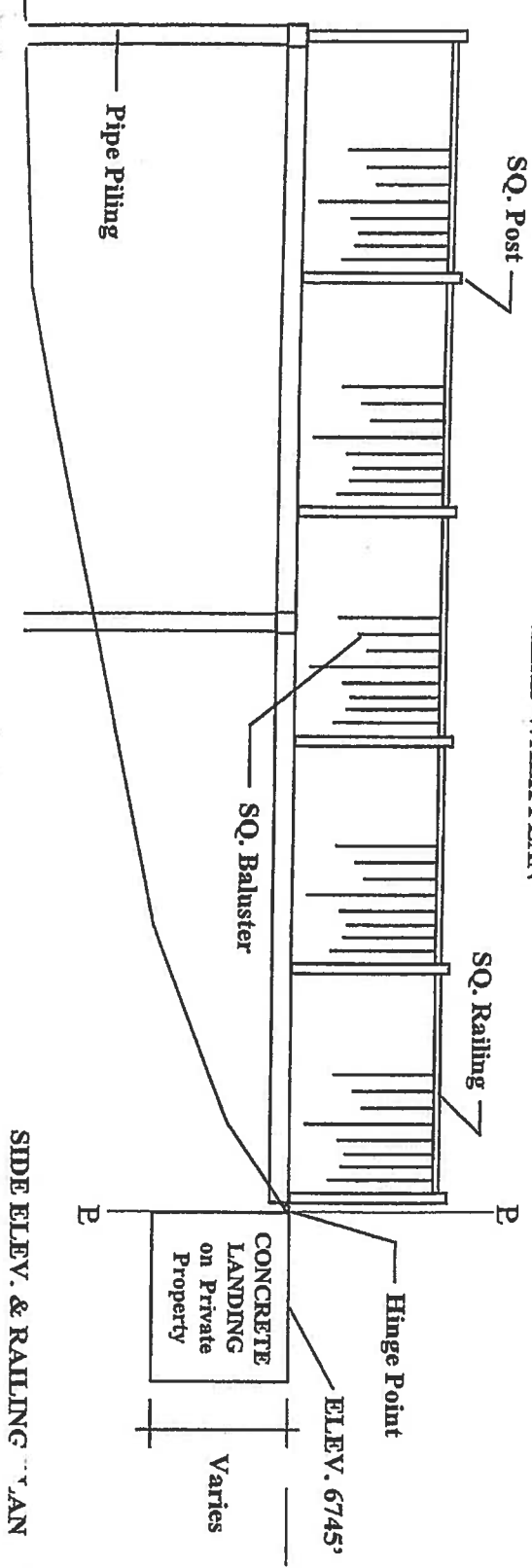


EXHIBIT E
 TYPICAL HEAD WALK
 PLAN VIEW

NOT TO SCALE
 ALL ELEVATIONS NOTED REFERENCE NGVD-29



HEAD WALK PLAN



RESOLUTION NO. 2009-01

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
BIG BEAR MUNICIPAL WATER DISTRICT
AS IT RELATES TO SHOREZONE PROJECTS
AND REPEALING RESOLUTION NO. 2008-02**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE BIG BEAR MUNICIPAL WATER DISTRICT as follows:

1. Purpose and Scope.

This resolution establishes rules and regulations, construction specifications, standard drawings, application process, permit procedures, and District policies with regard to any alterations of the shorezone areas of Big Bear Lake.

2. Definitions.

The following terms are defined for the purposes of this resolution, unless otherwise apparent from context:

- (a) Adjacent Property: Property above the high water line of Big Bear Lake adjacent to and abutting the shorezone.
 - (b) CEQA: California Environmental Quality Act.
 - (c) District: Big Bear Municipal Water District.
 - (d) Headwalk: An uncovered raised walkway constructed on pilings and installed in the Lake bottom to provide pedestrian access to a dock gangway.
 - (e) High Water Line or HWL: Historic contour line within Bear Valley at the Bear Valley Dam spillway elevation of 6743.25' (NGVD-29) mean sea level.
 - (f) Lake: Big Bear Lake.
 - (g) Ministerial Permits associated with the following projects:
 - (1) the placement of up to 50 cubic yards of sand or gravel below the high water line, proof of an equal amount of material has been removed, the removal of vegetation and/or willows, the planting of vegetation for slope protection, and the removal of 100 cubic yards of material;
 - (2) the placement of up to 50 cubic yards of riprap below the high water line for shoreline erosion control, may or may not require an equal amount of removal depending upon the District's environmental review of the project;
 - (3) installation of footing protection for construction of a seawall on private property; and
 - (4) construction and installation of a head walk on District property.
- The standard drawings for the above activities are included in Section XII, Exhibits.
- (h) MSL: mean sea level.
 - (i) Seawall: shoreline retaining wall.
 - (j) Shorezone: lake bottom area below and including elevation 6743.25' (NGVD-29). In some cases, the shorezone may be above elevation 6743.25' (NGVD-29) due to fill, accretion, land subdivisions or other natural or manmade activities

**SECTION 2 AMENDED
RES. NO. 2009-01**

3. Shorezone Classifications.

(a) Described below are the three shorezone classifications and the types of alterations permitted within each classification:

(1) R-Shorezones: are typically adjacent to privately owned residential lakefront property. Motels, hotels, dock clubs or similar residential-oriented lake facilities shall be considered in this classification. No fences, piers, decks, seawalls or other permanent structures may be placed within the shorezone and no part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(2) CR-Shorezones: are commercial recreation areas which shall be dedicated to providing water-oriented recreation facilities to the general public. Specifically included in this zone are the seven-day commercial standing licenses. No fences, piers, decks, seawalls or other permanent structures may be placed within the shorezone, and no part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(3) PR-Shorezones: shall be dedicated to the construction and maintenance of public facilities. Shorezone areas in this classification are typically located adjacent to lakefront property owned and maintained by a public agency. Permanent docks, piers, head walks, seawalls or other permanent structures, with size and other restrictions to be determined on a case-by-case basis may be allowed within this class. No part of any structure on the adjacent lakefront property may be cantilevered beyond the high water line.

(4) In each of the above classifications, the following projects shall be allowed:

- (a) Ministerial projects;
- (b) Dredging per attached drawings and specifications;
- (c) Docks or mooring buoys in accordance with dock standards; and
- (d) Steps constructed of reinforced concrete or other District approved material.

4. Permit Application

(a) An applicant for shorezone alteration project shall complete an application form provided by the District that contains at least the following information:

(1) Name, address, and phone number of applicant
(2) Name address, phone number, and when applicable, appropriate contractor's license number, of the person or company completing the project and responsible for the construction site.

(3) A site/plot plan that includes a drawing of the proposed project (a drawing to scale may be required depending on the complexity of the project) and any of the following as applicable:

(a) Quantity of material being removed or placed
(b) Description of the existing shorezone conditions no less than 100 feet on either side of the alteration project

(c) Head Walk engineering
(d) Steps or seawall design
(4) Shorezone alteration fees shall be paid at the time application is made. The fees are adopted in the District's annual fee resolution.

(5) A photo of project area shall be submitted with the application

(b) Application Review and Permit Approval:

(1) Staff will review and discuss the plan with the applicant suggesting any modifications to assist in completing the project. Before any permit is issued, copies of required permits from other regulatory agencies shall be provided to the District.

(2) All non-ministerial projects shall be approved by the General Manager and the decision of the Board of directors shall be final.

(3) Ministerial projects shall be approved by the General Manager and the decision of the General Manager shall be final.

(4) All non-ministerial projects shall require the appropriate C.E.Q.A review. This may involve adoption of a negative declaration, mitigation negative declaration or preparation of an environmental impact report or supplemental environmental impact report.

(c) Additional Permits:

In addition to the District's Shorezone Alteration Permit, all projects shall require a permit from the California Department of Fish and Game. Non-ministerial projects may also require a permit from the Army Corps of Engineers and Santa Ana Regional Water Quality Control Board. District Staff shall assist the project applicant with these permit applications. All fees for additional permits shall be paid by project applicant. For head walks, proof that a building permit has been issued by the authority having jurisdiction (City of Big Bear Lake or County of San Bernardino) shall be provided to the District prior to District's issuance of a shorezone alteration permit and installation of the head walk. A copy of the final inspection shall also be provided to the District. For projects involving sewer facilities, proof the project approval has been obtained from the agency having jurisdiction shall be provided.

5. General Specifications and Regulations

(a) No work shall be authorized between December 1st and March 31st of any year in compliance with eagle habitat restrictions, unless otherwise authorized by the appropriate regulatory agency. On any project not completed by November 30th, project proponent shall have implemented District approved erosion control measures as applicable.

(b) Discharge into the Lake or on the Lake bottom of oil, grease or other lubricants, hydraulic fluid or similar chemicals is specifically prohibited. All appropriate measures shall be taken to prevent such substances from reaching the Lake.

(c) Use of herbicides or other toxic substances as part of a shorezone alteration project is prohibited.

(d) The District's routine lake maintenance activities shall be exempt from the provisions of these standards. Routine lake maintenance activities include but are not limited to: aquatic weed management, debris removal, emergency erosion control, beach replenishment, dock removal and removal of hazards to navigation.

(e) No project shall be considered that results in a net loss of lake storage capacity or surface acres, unless the District determines there is an overriding public benefit.

(f) Any material placed as part of any shorezone alteration shall not contain asphalt, oil, substances, excessive organic material or any substance that would adversely affect the water quality.

(g) During construction, shorezone alteration projects may be required to provide access to the shoreline for lake maintenance vehicles and equipment.

(h) The applicant for a shorezone alteration permit may be required to present a legal record of survey showing the lakeside boundary of the property to be altered. In these

cases, permanent monuments shall be set for the lakeside boundaries by a licensed civil engineer or surveyor.

(i) In an emergency situation, shoreline protection may be accomplished only through the temporary placement of sandbags or other District approved means until such time as an appropriate project can be developed and approved.

(j) In many reaches of the shorezone of Big Bear Lake, sewer systems owned by public agencies exist. The design of any shorezone alteration project shall consider the location and depth of any sewer line and of manholes when designing a project.

(k) A prime concern of the District is a workable compromise between the private property rights of the lake front property owner and the right of access to the lake by the general public. Public accessibility to the particular stretch of shoreline before and after a project will be evaluated. No shorezone alteration project shall be approved if it results in a significant reduction in access by the general public to the affected portion of the Lake.

6. Specifications and Standard Drawings

(a) Dredging and Erosion Control:

(1) Dredge projects shall typically be designed in accordance with the attached Exhibit "A", in which dredging to the finish elevation of 6728' (NGVD-29) is recommended. However, projects shall be evaluated on a case-by-case basis, taking into consideration the topography and geography of the area, economics, and access. Dredging to elevation 6728' (NGVD-29) or any other elevation does not guarantee the ability to navigate in perpetuity due to historic fluctuations of the Lake level;

(2) The quantity of all material ever placed in or removed from the Lake shall be recorded daily and reported in writing to the District weekly;

(3) The recommended slopes are 3:1. However, other slopes will be considered after reviewing the direction of the prevailing winds and topography. The final protective covering shall be placed as soon as possible after the final slope is established. Slope protection shall be placed before December 1st of each year;

(4) Each applicant shall be given the most recent contour map of Big Bear Lake for use as a guideline to design the project. However, it is the responsibility of the applicant to verify the current depths and distances in the project area when designing the project;

(5) Exhibit "B" is a typical drawing of a dredge project in an area where sewer facilities exist. Generally the margins are set at elevation 6744' (NGVD-29) plus. The topography over the sewer line and across the manholes is often below elevation 6744' (NGVD-29). The project may be designed to extend that area to a distance of five feet into the Lake from the centerline of the manhole or sewer line, providing property is protected with rock riprap as per Exhibit "B" and also provided permanent structures are installed on fill area. The fill area shall remain open for public access and may be planted with natural vegetation to protect against erosion. As per the drawing, the top of the dredged slope shall begin a minimum of five feet toward the Lake from the sewer line or center line of the manhole;

(6) Rock riprap, 12" or greater in diameter, or District approved substitute, shall be placed as shown on Exhibit "A" over an approved filter fabric material stapled in place, to elevation 6744' (NGVD-29). The bottom elevation shall be 6728' (NGVD-29), or the finish grade of dredging;

(7) No work shall be allowed in the water until a satisfactory silt curtain is installed in place surrounding that portion of the project within the Lake. This restriction shall apply during the construction and the removal of coffer dams. The silt curtain shall be capable of withstanding wind and wave action reasonably expected at the site. The silt curtain shall be

inspected in place by District personnel prior to the start of construction and prior to its removal upon final acceptance of a project;

(8) Any material removed from dredge site shall be transported in such a manner as to preclude leakage of material onto roadway;

(9) Construction of new private launch ramps or reconstruction of existing private launch ramps is prohibited.

(b) Seawall footing protection specifications (Typical drawing shown on Exhibit "D"):

(1) Seawalls constructed on private property for the purpose of keeping that property from eroding into the Lake shall be built per applicable building codes;

(2) The footing of the wall shall be constructed below elevation 6743.25' (NGVD-29) and on original or compacted ground;

(3) The protection shall consist of two feet by two feet (2' X 2') minimum excavation at the bottom of the wall adjacent to the footing. After digging the excavation with an approved filter material, it shall be backfilled with twelve inch larger rock.

(c) Head Walk specifications (Typical drawing shown on Exhibit "E")

(1) Class "R" shorezone areas:

(a) A head walk shall be no more than 4 feet in width, shall be placed perpendicular to the shore, and shall extend no more than 24 feet beyond the lakeside boundary of applicant's property. In the event the applicant's lakeside property boundary is located below the existing high water line, the head walk shall not extend more than 24 feet beyond the existing high water line;

(b) Any access steps to the head walk shall be included in the calculation of the 24 feet maximum;

(c) Steel pilings or plastic pilings with a steel core, approved by the District, shall be driven into the lake bottom and shall not be anchored in concrete;

(d) A head walk shall have guardrails;

(e) The opening to the gangway shall be gated whenever the dock system is removed;

(f) A head walk shall be uncovered;

(g) The deck portion of the head walk shall be no higher than elevation 6,745' (NGVD-29);

(h) A head walk shall meet applicable building code requirements.

(2) Class "PR":

Standards shall be the same as for Class "R", except size which shall be determined on a case-by-case basis;

(3) Class "CR":

Standards shall be the same as for Class "R", except the head walk shall be no more than 8 feet in width.

7. Insurance Requirements

Contractor or project applicant shall maintain minimum limits of general liability insurance of no less than \$1,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit. Contractor shall also provide proof of workers' compensation coverage when applicable.

Certificates of insurance executed by a carrier(s) acceptable to the agency and naming the District as additional insured shall be filed with the agency prior to the commencement of the work.

8. Bonding Requirements

On any project where the total volume of material moved is 2,500 cubic yards or more, or for which the project cost exceeds \$35,000, contractor shall deliver to the District for its approval and acceptance a performance bond in the amount of one-hundred percent (100%) of the contract price. The bond shall be payable by surety or sureties to the District in the event contractor fails to fully perform his obligations under the shorezone alteration permit. The bond shall be in substantially the form of the performance bond attached hereto. The bond shall be equivalent quality to a Standard & Poor's rating of AAA or higher. Contractor shall pay all District costs, including attorneys' fees, incurred by the District in handling, responding to, or litigating stop notice claims or other demands against the contractor. Certified funds may be placed with the District in lieu of a performance bond.

9. Inspection

District staff shall have the responsibility to regularly inspect all shorezone alteration projects to see that all requirements of the plans and permits are being met, and staff shall make a final inspection before the project is accepted by the District.

10. Wildlife Mitigation Fund Area

(a) In 1982, the area of Big Bear Lake between Stanfield Cutoff and Division Road was dedicated as a wildlife preserve to be known as Stanfield Marsh. Stanfield Marsh shall be improved as described in the Wildlife/Waterfowl Habitat Improvement Project adopted in 1993.

(b) A separate fund is hereby established entitled, "Wildlife Mitigation Fund", wherein all funds contributed as mitigation shall be deposited into an account for the wildlife management plan in the Stanfield Wildlife Preserve.

(c) Fees for mitigation shall be adopted from time to time by resolution as part of the fee structure adopted annually.

11. Annexation of Shorezone Property

The District shall support the annexation of property to the City of Big Bear Lake when the property is contiguous to the existing territory of the City of Big Bear Lake and the property consists of fill material placed in the Lake prior to May 21, 1998. The District shall also require annexation of the property contiguous to the territory of the City of Big Bear Lake when the property consists of fill material placed in the Lake at any time pursuant to a shorezone alteration permit issued by the District.

12. Violations

Any person who violates any provisions of this resolution may be fined on a per person basis, or a separate fine for each violation, or both. Any person who commits a violation of these standards is committed, or continued by such person, firm or corporation, and shall be liable. The District may abate such violations including any injunctive relief which may be appropriate.

SECTION 12 AMENDED
RES. NO. 2009-10

SECTION 12 AMENDED

13. Standard Drawings.

Standards for shore zone configuration are shown on attached Exhibits.

RES NO. 2009-10

14. Repeals.

Resolution No. 2008-02 is hereby repealed.

APPROVED AND ADOPTED on February 5, 2009.



Todd Murphy, President

ATTEST:

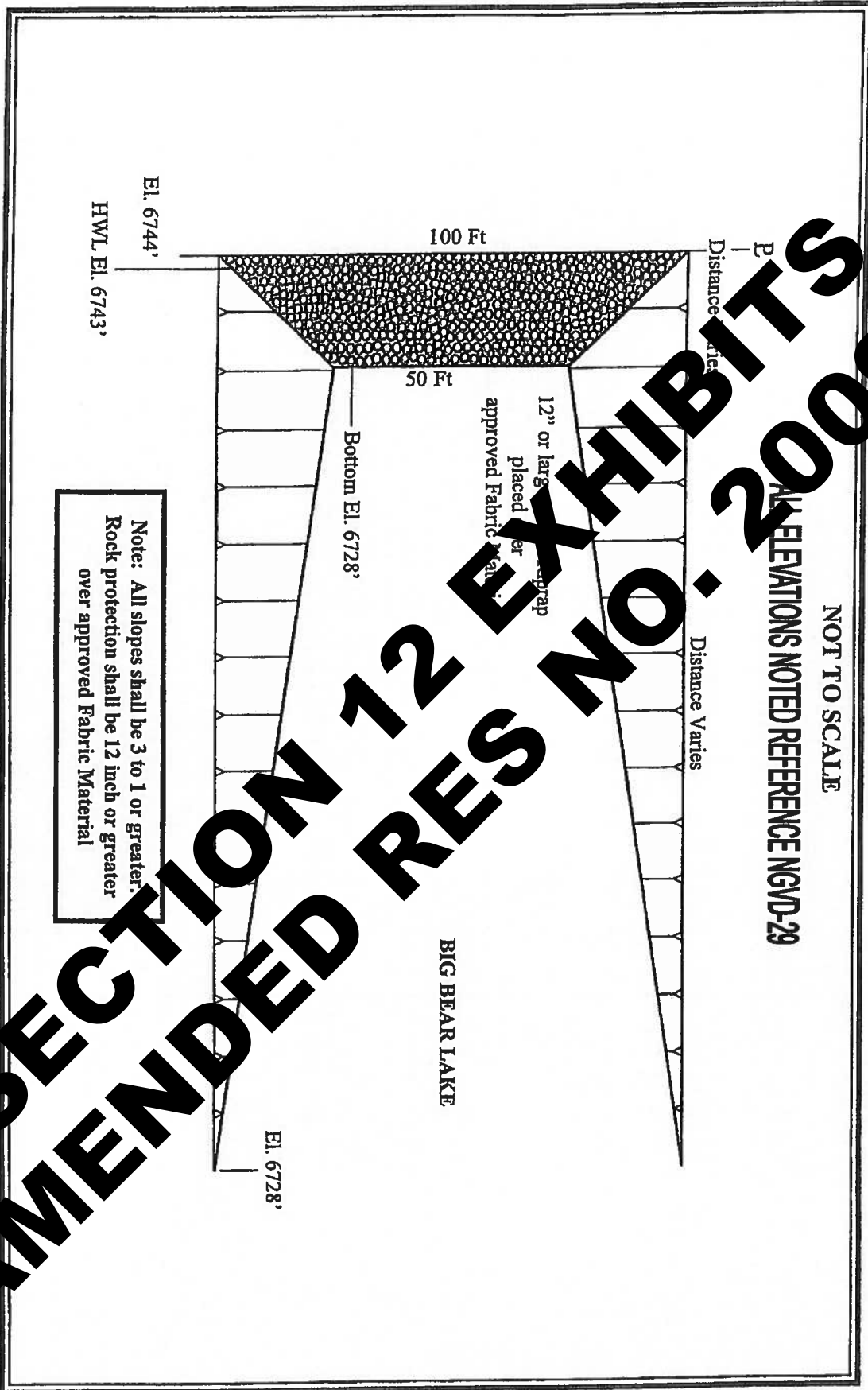


Vicki Sheppard, Secretary to the Board

EXHIBIT A
 PLAN VIEW
 TYPICAL DREDGE PROJECT

NOT TO SCALE

ELEVATIONS NOTED REFERENCE NGVD-29



Note: All slopes shall be 3 to 1 or greater.
 Rock protection shall be 12 inch or greater
 over approved Fabric Material

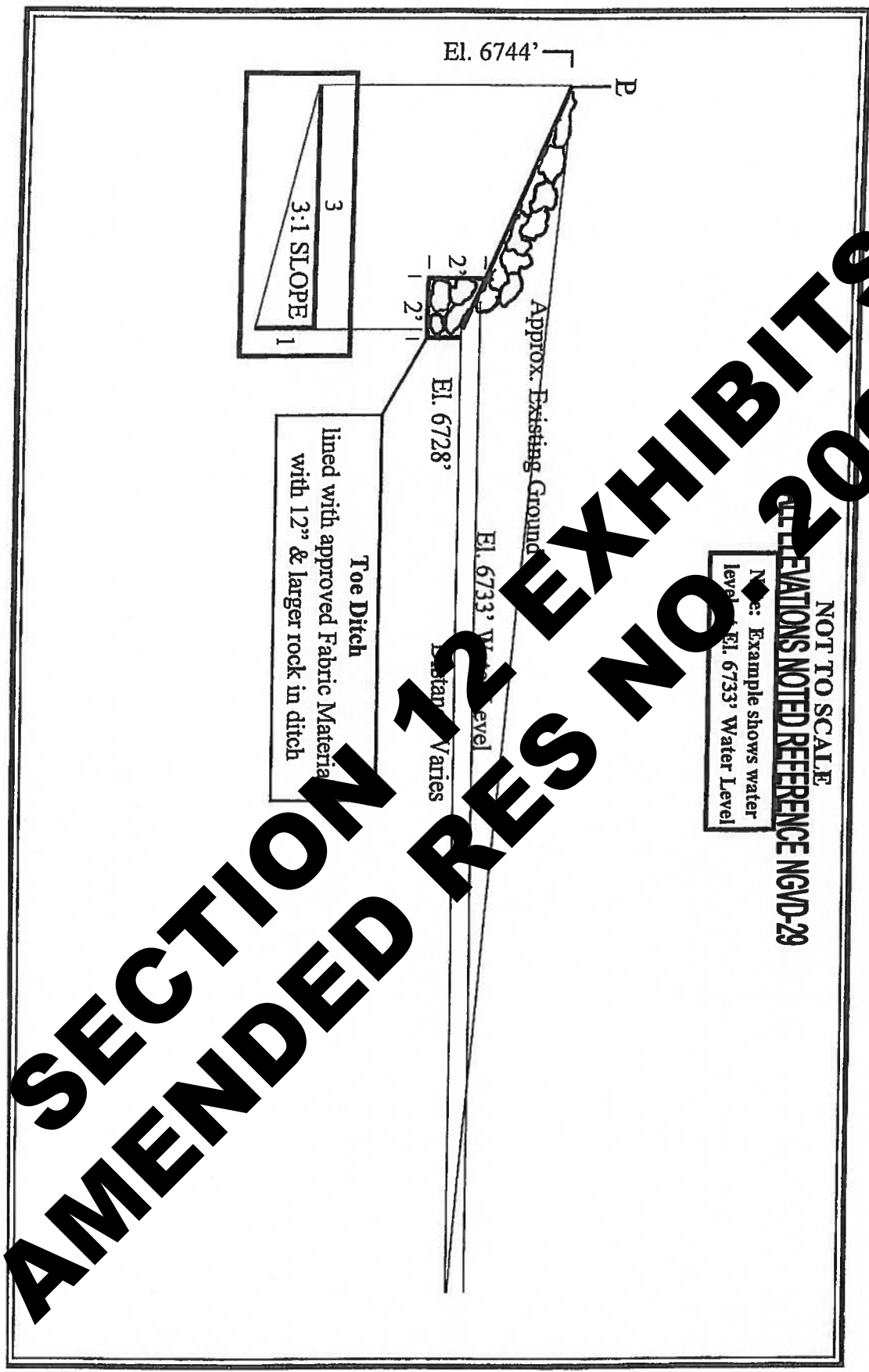
SECTION 12 EXHIBITS
 AMENDED RES NO. 2009-10

BIG BEAR LAKE

EXHIBIT A Cont.
 TYPICAL PROFILE SECTION
 OF DREDGE PROJECT

NOT TO SCALE
 ELEVATIONS NOTED REFERENCE NGVD-29

Note: Example shows water level at El. 6733' Water Level

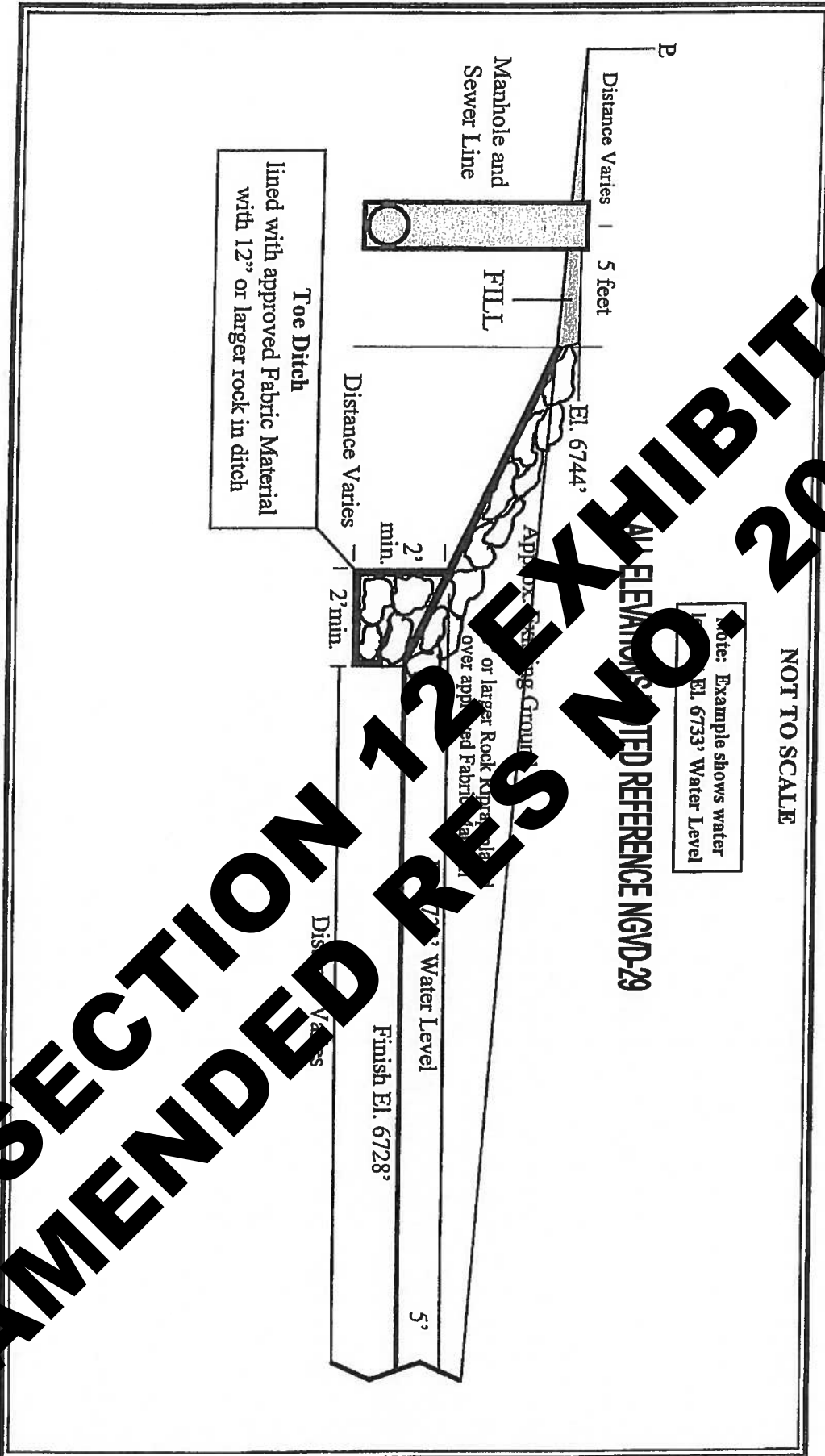


SECTION 12 EXHIBITS
 AMENDED RES NO. 2009-10

SECTION 12 EXHIBITS
AMENDED RES NO. 2009-10

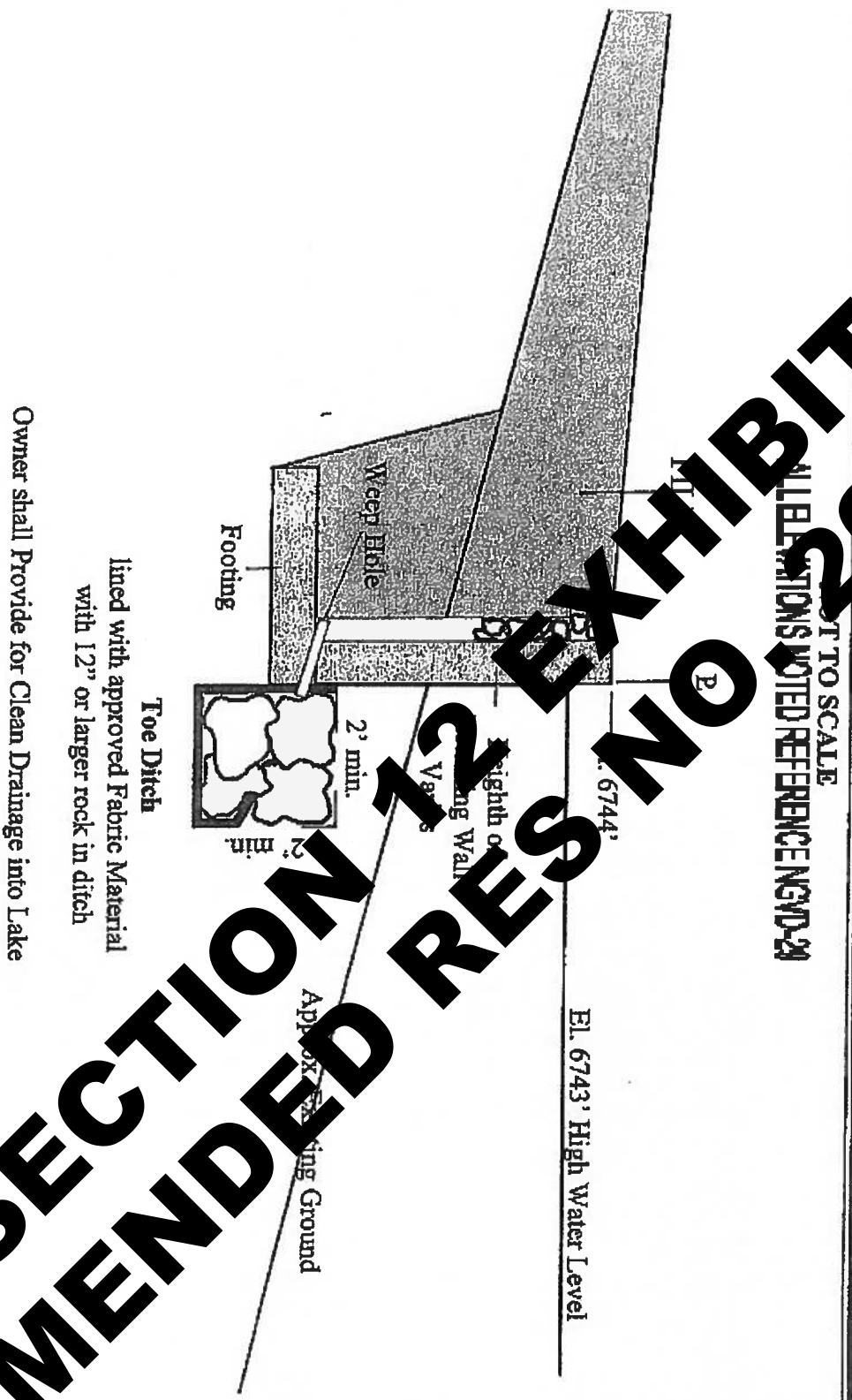
EXHIBIT B
TYPICAL PROFILE SECTION
OF DREDGE PROJECT
WITH SEWER FACILITY

NOT TO SCALE



SECTION 12 EXHIBITS
AMENDED RES NO 2009-10

EXHIBIT C
TYPICAL PROFILE SECTION
OF RETAINING WALL ON PRIVATE PROPERTY
WITH FOOTING PROTECTION



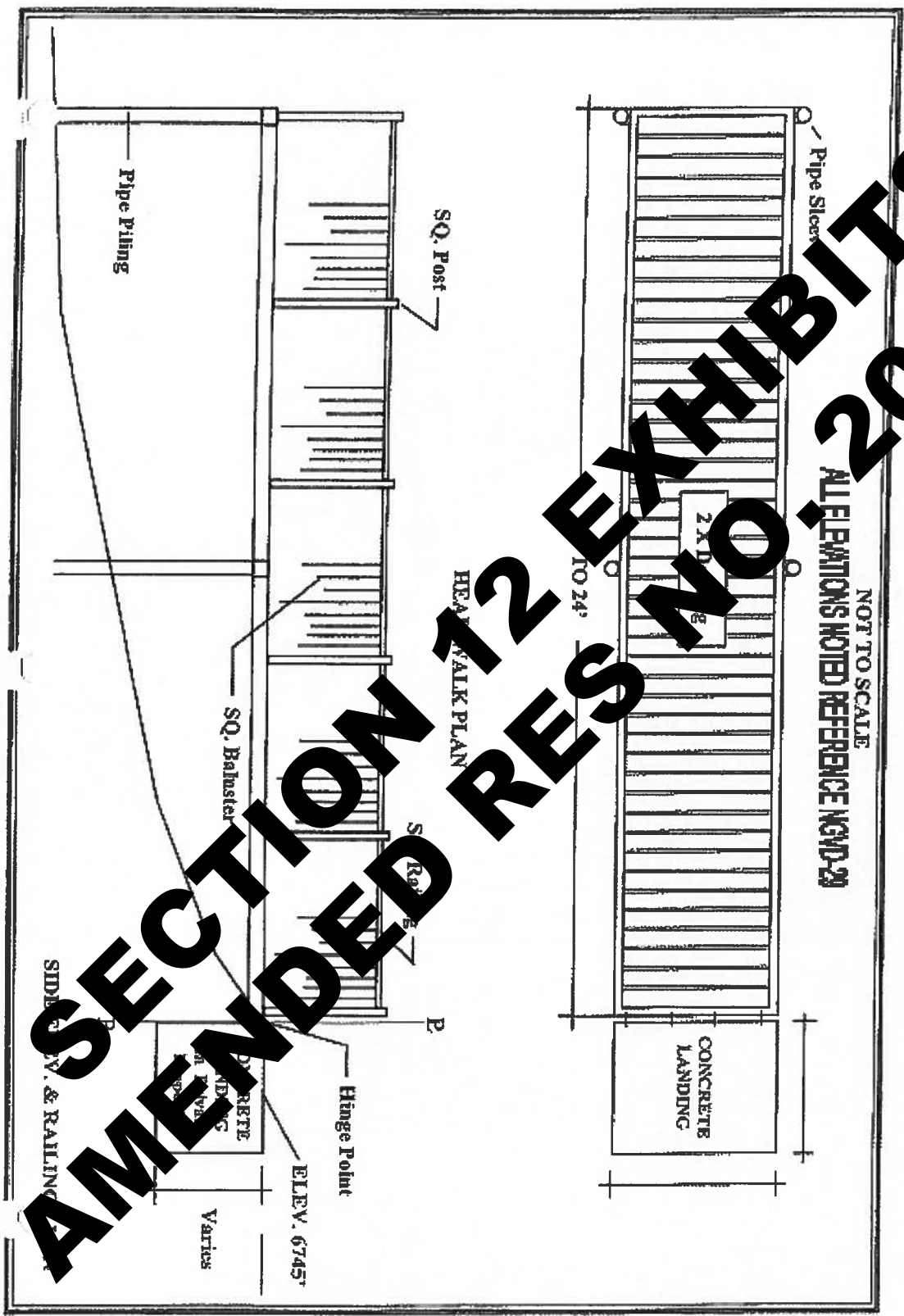
Owner shall Provide for Clean Drainage into Lake

NOT TO SCALE
 ALL ELEVATIONS NOTED REFERENCE NGVD-29

SECTION 12 EXHIBITS
AMENDED RES NO. 2009-10

EXHIBIT D
TYPICAL HEAD WALK
PLAN VIEW

NOT TO SCALE
ALL ELEVATIONS NOTED REFERENCE NSVD-20



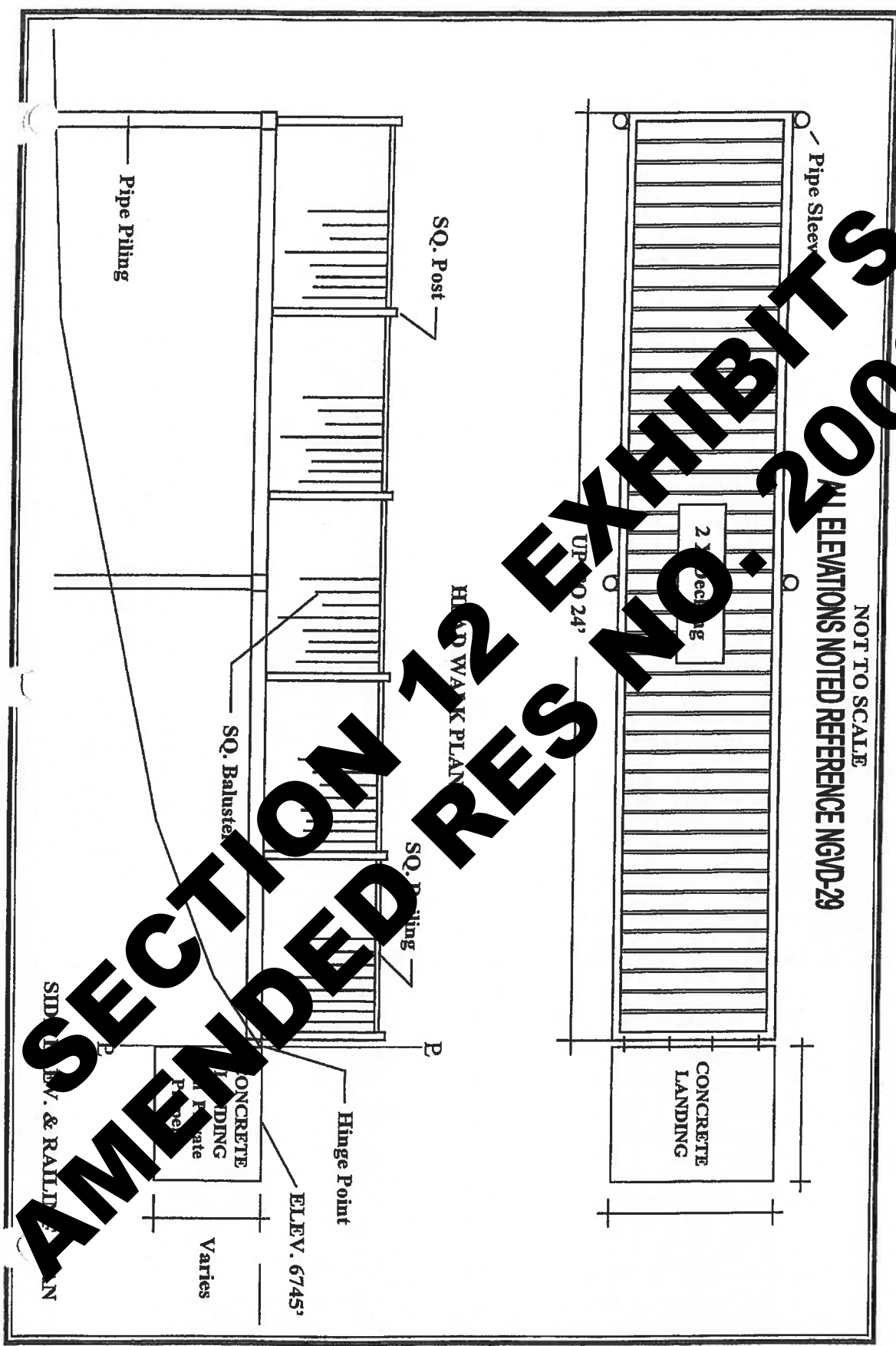


EXHIBIT E
 TYPICAL AD WALK
 PLAN VIEW

NOT TO SCALE
 ALL ELEVATIONS NOTED REFERENCE NGVD-29

SECTION 12 EXHIBITS NO. 2009-10
AMENDED RES