



Public Notice

**US Army Corps
of Engineers**
Fort Worth District

Applicant: Cherokee Tree Farm Project

Permit Application No.: SWF-2006-00251

Date: February 18, 2009

The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

Regulatory Program

Since its early history, the U.S. Army Corps of Engineers has played an important role in the development of the nation's water resources.

Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the U.S. Army Corps of Engineers Regulatory Program.

Section 10

The U.S. Army Corps of Engineers is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate *all work or structures in or affecting the course, condition or capacity of navigable waters of the United States*. The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

Section 404

The U.S. Army Corps of Engineers is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the *discharge of dredged and fill material into all waters of the United States, including wetlands*. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

Contact

Name: Mr. Wayne Lea

Phone Number: (817) 886-1732

JOINT PUBLIC NOTICE

U.S. ARMY CORPS OF ENGINEERS, FORT WORTH DISTRICT

AND

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUBJECT: Application for a Department of the Army Permit under Section 404 of the Clean Water Act (CWA) and for water quality certification under Section 401 of the CWA to discharge dredged and fill material into waters of the United States associated with the construction of two proposed lakes within the existing Cherokee Tree Farm, located approximately 6.5 miles northeast of the town of Cuney in Cherokee County, Texas.

APPLICANT: H.R.C. Cherokee Tree Farm, L.P.
2100 McKinney Avenue, Suite 700
Dallas, Texas 75201

APPLICATION NUMBER: SWF-2006-00251

DATE ISSUED: February 18, 2009

LOCATION: The project site consists of approximately 7,000 acres located at Latitude 32 degrees 04' 38.43" North and Longitude 95 degrees 21' 17.42" West (approximate center of tract), on both the north and south sides of FM 855, approximately 6.5 miles north-northeast of the town of Cuney, Cherokee County, Texas (Sheet 1 of 26).

OTHER AGENCY AUTHORIZATIONS: State Water Quality Certification. Texas Council on Environmental Quality Water Right Permit (issued).

PROJECT DESCRIPTION: The applicant proposes to discharge approximately 1,199 cubic yards of fill material into approximately 0.50 acre of waters of the U. S. in conjunction with the construction of two dams on Flat Creek, a tributary of the Neches River. The downstream reservoir, referred to as South Lake, would have a surface area of approximately 287 acres and would impound approximately 2,869 acre-feet of water at its normal operating pool level at elevation 340 feet above mean sea level (msl). The upper reservoir, referred to as the North Lake, would have a surface area of approximately 97 acres and a normal operating storage capacity of approximately 980 acre-feet at its normal operating pool level at elevation 370 feet msl. An approximately 6,000 linear feet reach of Flat Creek between the upper end of the South Lake and the North Lake dam would remain undisturbed (Sheet 1 of 26). Collectively the two lake projects would result in impacts to approximately 46 acres of waters of the U. S., including approximately 41,000 feet (12 acres) of streams and 34 acres of forested wetlands.

The purpose of the project, identified as the Cherokee Tree Farm, is to develop a retreat (e.g., corporate, business, and family) within reasonable driving distance from the Dallas/Fort Worth metropolitan area which can be used for conferences and meetings of various sizes, providing limited lodging, and offering team building and recreational activities in an overall, natural setting. An additional purpose is for storage of groundwater for irrigation purposes. The retreat and conference center proposed by the applicant would involve construction of two water features to support a variety of team building and recreational activities. Through the consolidation of large tracts of East Texas timber land previously owned by paper companies, the applicant has obtained at a reasonable price the necessary acreage for such a retreat and conference center. While this property is not developed in the traditional sense, the land has been heavily impacted by timber harvest operations and is not currently suitable for a retreat complex. Effective use of the property would require a substantial ecological uplift with a focus on greater diversity of habitat and wildlife and the addition of improvements. The applicant believes the project would require the development of the lakes and built facilities, together with a shift in management from the maximization of timber income to management for aesthetics, recreational, and wildlife use.

As part of the Cherokee Tree Farm Project, the applicant intends to improve the 7,000-acre site from a number of perspectives ranging from recreational use of the property to the long-term biological enhancement of the site. The applicant has been the long-time owner of the project site compiling contiguous properties over a 25-year period. The site has been professionally managed for timber during that period. A continuation of the extant forestry plan would begin to affect large stands of hardwoods throughout the site. Once cut these hardwoods would be replaced by more economically desirable pine trees, diminishing the nature and ecological value of the site for decades to come. However, under the applicant's preferred alternative the property would be managed to preferentially maintain the hardwood stands as the dominant vegetation type. Site management would entail selective clearing to remove dead or damaged trees and harvest of selected mature trees on a schedule to preserve trees of mature status throughout the site on a continuous basis. The proposed mitigation plan will also add ecological value to over 47,000 linear feet of riparian areas throughout the site.

A decision point has been reached by the applicant wherein two quite different futures are available for the site. The applicant believes that two alternatives are available, continued logging of the site or development of the site as a conference center to be enjoyed by the applicant, family, friends, and business associates. The site topography consists of rolling hills with abundant areas providing panoramic views of the surrounding hills, valleys, and mature forests. The area of the proposed South Lake has an abundance of views overlooking the proposed reservoir area at distances of 3 to 5 miles. These views would be unobstructed by manmade artifacts, but rather would reflect the look of a remote wilderness lake possessing an undeveloped, forested shoreline. Because of the 7,000 acre size of the parcel the core areas of the property are well buffered from adjacent development. A parcel of this size and configuration provides opportunities to carry out large-scale environmental enhancement projects, such as the proposed mitigation plan, which would result in measurable environmental gains. Other long-term gains could result from elective game and vegetation management projects the applicant might undertake over time.

The combination of the low level of site development coupled with the moderate use of those

facilities would insure that the wildlife and vegetation on the site will be less affected. This coupled with the long-term environmental management of the site would ensure the ecological value of the site.

The proposed uses of the property would focus around the retreat and conference center, the South Lake with its lakeside marina facility, the bridge/island area connecting the north and south sides of the South Lake, the system of unobtrusive trail-ways throughout the site connecting all portions of the property and the green-tree North Lake which would be available for fishing and nature exploration.

A system of cleared navigation channels would be available in the proposed North Lake to allow exploring, bird-watching and fishing. Surrounding trails would connect areas of the lake to upland areas for ease of access.

The South Lake would be large enough for simultaneous use by up to 10 power boats. Fishing, water-skiing, wakeboarding, wake-surfing and cruising would all be available. A large boat slip is proposed in the marina to accommodate a large pontoon party boat which would provide cruises, especially in the evenings.

Usual family retreats would accommodate 5 to 15 individuals and business retreats could accommodate as many as 100 attendees.

No natural stream flows would be impounded in either of the two reservoirs. Instead, groundwater from four on-site wells would be used to initially fill the reservoirs and then to maintain them full at their respective operating levels. Hydrologic studies have indicated that groundwater pumpage on the order of 1,900 gallons per minute (gpm) would be required for approximately a month to keep both lakes full under extreme drought conditions consistent with those that actually occurred in the region during the historical 1940-1996 period. To provide this supply of water, three wells in the Queens City aquifer with a combined pumping capacity of 1,600 gpm and one well in the Carrizo aquifer with a capacity of 300 gpm have been installed. Piping would be installed to deliver water from these wells to the two reservoirs, and the wells would be operated automatically to maintain the reservoirs in a full condition. With this mode of operation, natural inflows to the reservoirs during rainfall events would not be stored in the reservoirs, but would be passed directly through the reservoirs and over the spillways that are to be incorporated into the dam designs, with no change in downstream flow volumes in Flat Creek as a result of the reservoirs. Therefore, except during drought conditions, there would be excess pumping capacity available for irrigation of the site. The groundwater is permitted for use in recreation or irrigation by the groundwater conservation district.

Current plans for well water use on the property include its use for crop irrigation on a 270-acre parcel which is being farmed, irrigation of pine seedlings in harvested tracts which are being replanted, and for irrigation of trees proposed for planting in the mitigation plan for the project. The irrigation can more easily be accomplished utilizing mobile watering pumps which can be set up along the lake edge at points close to the area needing watering. This would avoid impacts to the site and the expense of establishing a permanent system of distribution pumps and pipes for the project site. Therefore, water can be metered as pumped from the lake and replaced with an equal amount of groundwater from the wells immediately.

Construction of the North Lake would result in impacts to approximately 16.3 acres of waters of the U.S., including approximately 9,700 linear feet (about 4.5 acres) of intermittent stream, approximately 4,040 linear feet of ephemeral stream (about 0.4 acres), and approximately 11.4 acres of forested wetlands. Construction of the North Lake dam would require the discharge of approximately 318 cubic yards of clay materials, approximately 201 cubic yards of roller compacted concrete, and about 56 cubic yards of rock rip rap into and along approximately 512 linear feet (0.24 acres) of stream channel. The North Lake dam would affect approximately 3.5 acres of wetlands and would impound approximately 980 acre-feet of water with a surface area of 97 acres. The proposed North Lake dam would be constructed to a maximum height of approximately 40 feet, with a maximum width of approximately 418 feet. The maximum water depth in the North Lake at its normal pool level would be approximately 20 feet, with an average depth on the order of 13 feet.

Construction of the South Lake would result in impacts to approximately 29.4 acres of waters of the U.S., including approximately 14,363 linear feet (about 5.9 acres) of intermittent stream, approximately 13,258 linear feet of ephemeral stream (about 1.2 acres), and approximately 22.3 acres of forested wetlands. Construction of the South Lake dam would require the discharge of approximately 294 cubic yards of clay materials, approximately 239 cubic yards of roller compacted concrete, and about 33 cubic yards of rock rip rap into and along approximately 514 linear feet (0.23 acres) of stream channel. The South Lake dam would affect approximately 6.9 acres of wetlands and would impound approximately 2,869 acre-feet of water with a surface area of 287 acres. The proposed South Lake dam would be constructed to a maximum height of approximately 40 feet, with a maximum width of approximately 430 feet. The maximum water depth in the South Lake at its normal pool level would be approximately 24 feet, with an average depth on the order of 14 feet.

The project site encompasses five general habitat types, including approximately 12.0 acres of ephemeral and intermittent streams, approximately 343.4 acres of forested uplands, approximately 143.8 acres of forested riparian areas, and approximately 34 acres of forested wetlands. The proposed dam and reservoir projects would impact intermittent and ephemeral reaches of Flat Creek and Rome Creek and their tributaries. Intermittent stream reaches range in width from 5 to 40 feet, with an overall average width of about 20 feet; while ephemeral stream reaches range in width from 2 to 15 feet, with an overall average width of about 4 feet.

Forested uplands onsite consist of a mix of hardwood and pine stands and are dominated by a canopy of loblolly pine (*Pinus taeda*), shortleaf pine (*Pinus echinata*), post oak (*Quercus stellata*), American elm (*Ulmus americana*), southern red oak (*Quercus falcata*), sweetgum (*Liquidambar styraciflua*), boxelder (*Acer negundo*), sugarberry (*Celtis laevigata*), cherrybark oak (*Quercus pagoda*), and blackjack oak (*Quercus marilandica*). The midstory consists of a variety of species including, eastern red cedar (*Juniperus virginiana*), sparkleberry (*Vaccinium arboretum*), American holly (*Ilex opaca*), rusty blackhaw (*Viburnum rufidulum*), common persimmon (*Diospyros virginiana*), red mulberry (*Morus rubra*), yaupon (*Ilex decidua*), flowering dogwood (*Cornus florida*), black cherry (*Prunus serotina*), and black hickory (*Carya texana*). The understory consists of poison ivy (*Toxicodendron radicans*), muscadine grape (*Vitis rotundifolia*), bracken fern (*Pteridium aquilinum*), Alabama supplejack (*Berchemia virginicus*), Japanese honeysuckle (*Lonicera japonica*), American beautyberry (*Callicarpa americana*), uniola (*Chasmanthium sessiliflorum*), saw greenbrier (*Smilax bona-nox*), and other herbaceous species.

Forested riparian areas onsite associated with intermittent and ephemeral streams are dominated by a canopy of loblolly pine, willow oak (*Quercus phellos*), shortleaf pine, southern red oak, river birch (*Betula nigra*), sweetgum, boxelder, and black walnut. The midstory consists of a variety of species including, black tupelo (*Nyssa sylvatica*), eastern hop hornbeam (*Ostrya virginiana*), winged elm (*Ulmus alata*), and American elm (*Ulmus americana*). Typical understory species include possumhaw (*Ilex decidua*), Virginia wild rye (*Elymus virginicus*), Small's greenbrier (*Smilax smallii*), Alabama supplejack, sea oats (*Chasmanthium latifolium*), grape fern (*Botrychium virginianum*), and Japanese honeysuckle.

Forested wetland areas onsite are dominated by water oak (*Quercus nigra*), boxelder, river birch, black willow (*Salix nigra*), buttonbush (*Cephalanthus occidentalis*), waxmyrtle (*Myrica cerifera*), St. John's wort (*Hypericum nudiflorum*), lizard's tail (*Saururus cernuus*), sensitive fern (*Onoclea sensibilis*), camphorweed (*Pluchea camphorata*), wood's fern (*Woodwardia areolata*), spadeleaf (*Centellata asiatica*), beaked panicum (*Panicum anceps*), climbing hempweed (*Mikania scandens*), plumegrass (*Erianthus strictus*), carex (*Carex crus-corvii*), soft rush (*Juncus effusus*), rush (*Juncus coriaceus*), smartweed (*Polygonum* spp.), buttercup (*Ranunculus* spp.), seedbox (*Ludwigia alternifolia*), and small-spiked false-nettle (*Boehmeria cylindrica*).

The applicant proposes to implement a compensatory mitigation plan in an effort to offset the proposed loss of approximately 41,000 linear feet of stream and approximately 34 acres of forested wetlands. This plan includes the following elements: enhancement and preservation in perpetuity of previously logged riparian areas located along Flat Creek and Rome Creek, along nearby and associated Wolf Hollow Creek and Killough Creek, and along tributaries thereof, as well as by creating forested and emergent wetlands on the upper ends of, and around, the two lakes. Approximately 36,350 linear feet (83.4 acres) of intermittent streams and approximately 9,740 linear feet (22.4 acres) of ephemeral streams, located both above and below the proposed lakes would be enhanced and preserved in perpetuity. Stream enhancement would be accomplished through planting desirable woody species within the previously described areas and would be defined by those areas within 50 feet of each side of intermittent streams and ephemeral drainages. Approximately 16.9 acres of forested wetlands along with 16.9 acres of emergent wetlands would be created on the upper ends of and around the two lakes. Approximately 122.7 acres of upland and riparian areas would be planted with a variety of native tree species to improve habitat quality. The applicant proposes to plant a variety of at least five species of native, mast producing trees at a rate of 302 trees per acre, with no one species comprising greater than 25% of the area. Total number of trees proposed for planting within the mitigation areas is 37,055.

PUBLIC INTEREST REVIEW FACTORS: This application will be reviewed in accordance with 33 CFR 320-332, the Regulatory Program of the U. S. Army Corps of Engineers (USACE), and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U. S. Environmental Protection Agency pursuant to Section 404(b) (1) of the CWA. The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impact, of the proposed activity on the public interest. That decision will reflect the national concerns for both protection and utilization of important resources. The benefits

which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including its cumulative effects. Among the factors addressed are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The USACE is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the USACE in determining whether to issue, issue with modifications, or conditions, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

STATE WATER QUALITY CERTIFICATION: This project would result in a direct impact of greater than three acres of waters of the state or 1,500 linear feet of streams (or a combination of the two is above the threshold), and as such would not fulfill Tier I criteria for the project. Therefore, Texas Commission on Environmental Quality (TCEQ) certification is required. Concurrent with USACE processing of this Department of the Army application, the TCEQ is reviewing this application under Section 401 of the Clean Water Act, and Title 30, Texas Administrative Code Section 279.1-13 to determine if the work would comply with State water quality standards. By virtue of an agreement between the USACE and the TCEQ, this public notice is also issued for the purpose of advising all known interested persons that there is pending before the TCEQ a decision on water quality certification under such act. **Any comments concerning this application may be submitted to the Texas Commission on Environmental Quality, 401 Coordinator, MSC-150, P.O. Box 13087, Austin, Texas 78711-3087.** The public comment period extends 30 days from the date of publication of this notice. A copy of the public notice with a description of the work is made available for review in the TCEQ's Austin Office. The complete application may be reviewed in the USACE's office. The TCEQ may conduct a public hearing to consider all comments concerning water quality if requested in writing. A request for a public hearing must contain the following information: the name, mailing address, application number, or other recognizable reference to the application; a brief description of the interest of the requestor, or of persons represented by the requestor; and a brief description of how the application, if granted, would adversely affect such interest.

ENDANGERED AND THREATENED SPECIES: The USACE has reviewed the U.S. Fish and Wildlife Service's latest published version of endangered and threatened species to determine if any may occur in the project area. The proposed project would be located in Cherokee County where the Louisiana black bear (*Ursus americanus luteolus*) is a threatened species, the red-cockaded

woodpecker (*Picoides borealis*) is an endangered species, and the Louisiana pine snake (*Pituophis Ruthveni*) and Neches River rose-mallow (*Hibiscus dasycalyx*) are candidate species that are known to occur or could occur as migrants. However, on a preliminary basis it appears this tract does not contain habitat for any of these species. Our initial review indicates that the proposed work would have no effect on federally-listed endangered or threatened species.

NATIONAL REGISTER OF HISTORIC PLACES: The areas of the proposed North and South Lakes of the Cherokee Tree Farm Project have been surveyed for the presence of historic and prehistoric sites. The survey identified thirteen sites; one of the sites was the remains of a historic farmstead, while the other twelve sites were prehistoric-age.

The historic farmstead was late 19th-early 20th century in age. There are no standing structures on the site, only refuse and the remains of a well. Most of the prehistoric sites are small scatters of local stone debris with no indication of age. Based on materials identified during the survey, two prehistoric sites (41 CE 354 and 41 CE 356) appear to be associated with the Caddo Tribe (The Caddo Nation of Oklahoma).

Twelve of the thirteen identified sites (including the historic farmstead) have been recommended ineligible for inclusion in the National Register of Historic Places (NRHP). All of the identified sites would be destroyed by the Lakes as currently proposed. Sites would be impacted either through inundation or physical destruction. One of the prehistoric sites associated with the Caddo Tribe, 41 CE 354, has been recommended as eligible for the NRHP. Addressing potential adverse effects to 41 CE 354 would include consultation with the Caddo Tribe and the development of a Memorandum of Agreement.

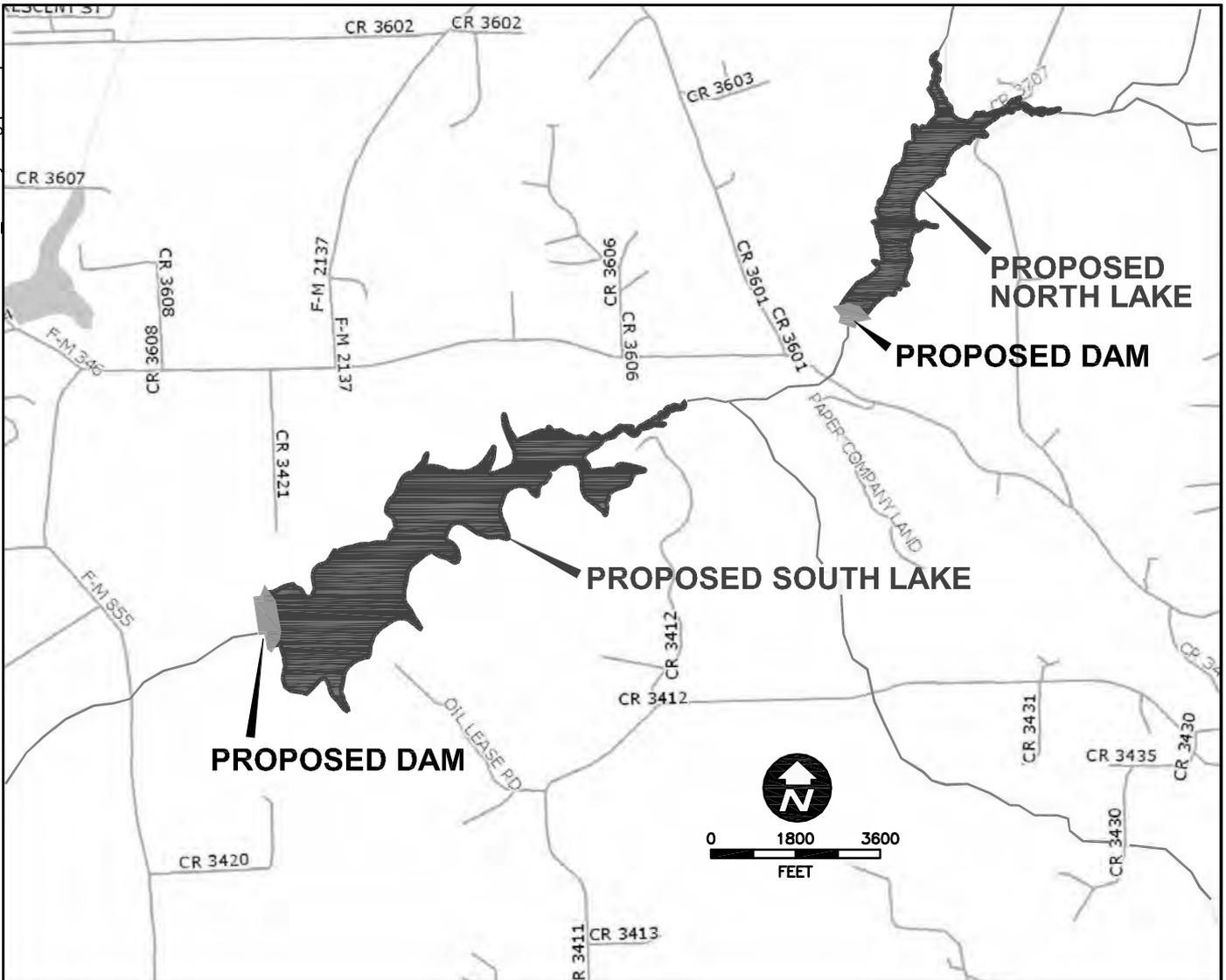
FLOODPLAIN MANAGEMENT: The USACE is sending a copy of this public notice to the local floodplain administrator. In accordance with 44 CFR part 60 (Flood Plain Management Regulations Criteria for Land Management and Use), the floodplain administrators of participating communities are required to review all proposed development to determine if a floodplain development permit is required and maintain records of such review.

SOLICITATION OF COMMENTS: The public notice is being distributed to all known interested persons in order to assist in developing fact upon which a decision by the USACE may be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

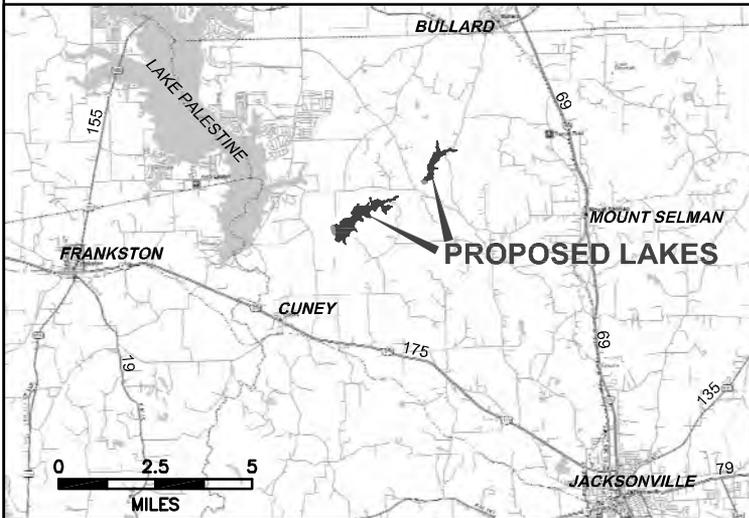
PUBLIC HEARING: Prior to the close of the comment period any person may make a written request for a public hearing setting forth the particular reasons for the request. The District Engineer will determine whether the issues raised are substantial and should be considered in his permit decision. If a public hearing is warranted, all known interested persons will be notified of the time, date, and location.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before **March 20, 2009**, which is the close of the comment period. Extensions of the comment period may be granted for valid reasons provided a written request is received by the limiting date. If no comments are received by that date, it will be considered that there are no objections. Comments and requests for additional information should be submitted to; Regulatory Branch, CESWF-PER-R; U. S. Army Corps of Engineers; Post Office Box 17300; Fort Worth, Texas 76102-0300. You may visit the Regulatory Branch in Room 3A37 of the Federal Building at 819 Taylor Street in Fort Worth between 8:00 A.M. and 3:30 P.M., Monday through Friday. Telephone inquiries should be directed to (817) 886-1731. Please note that names and addresses of those who submit comments in response to this public notice may be made publicly available.

DISTRICT ENGINEER
FORT WORTH DISTRICT
CORPS OF ENGINEERS



MAP SOURCE: DELORME STREET ATLAS USA 2007 (2006)

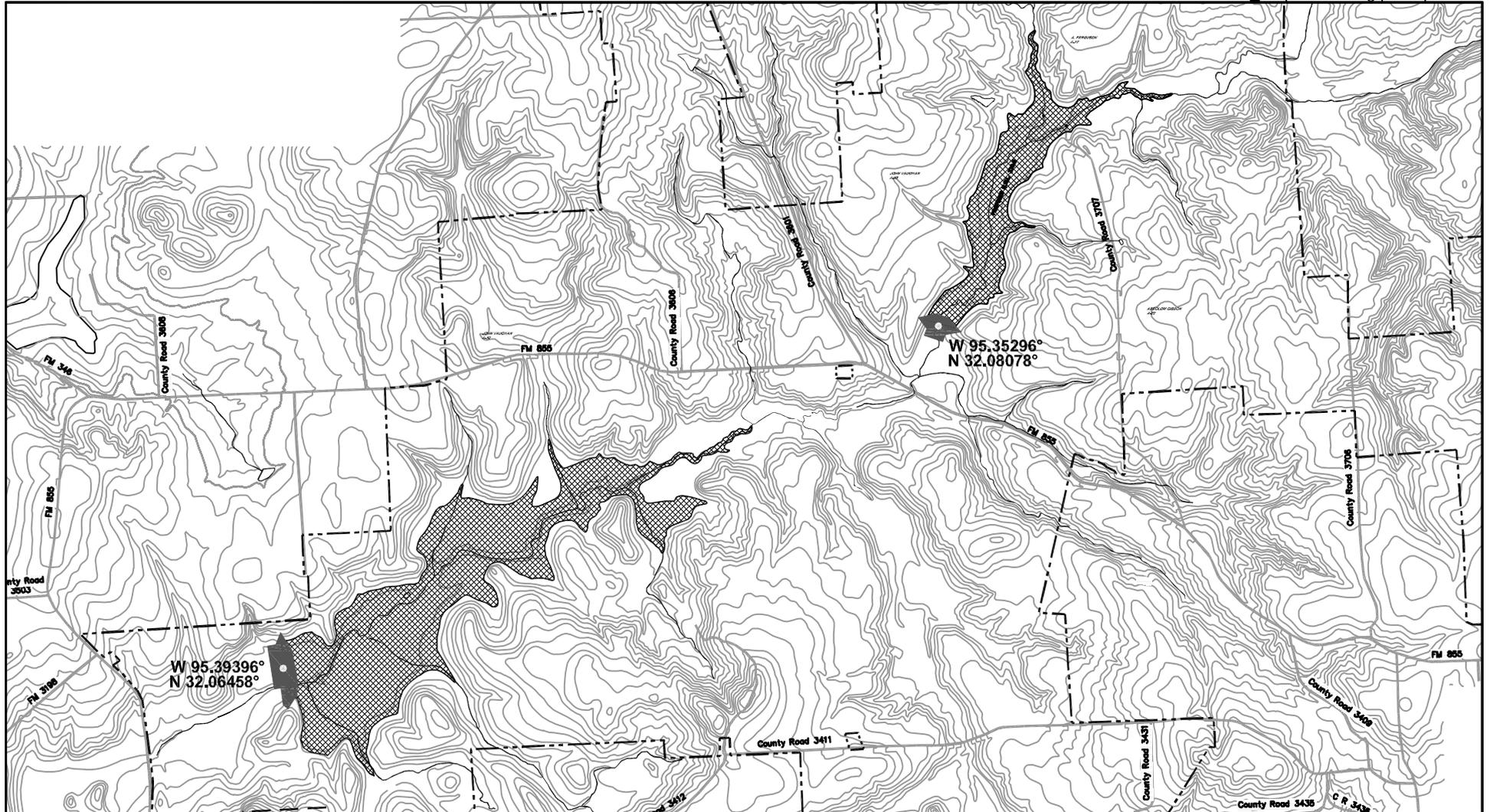


MAP SOURCE: DELORME STREET ATLAS USA 2007 (2006)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.		
PROJECT NAME: CHEROKEE TREE FARM PROJECT		
COUNTY: CHEROKEE COUNTY, TEXAS		
DATE: 9/5/08	REV. DATE:	DATUM: TxSP-CF-83

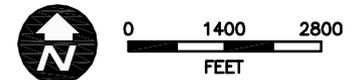
VICINITY MAP
 PROPOSED NORTH AND SOUTH LAKES
 CHEROKEE COUNTY, TEXAS



LEGEND

MAP SOURCE:
LAKE AND PROPERTY BOUNDARIES FROM CLIENT

-  PROPOSED LAKE
-  5-FOOT CONTOUR INTERVAL
-  STREAM CHANNELS DELINEATED FROM USGS QUADRANGLE
-  EXISTING ROAD
-  PROPOSED DAM
-  PROPERTY LINE



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/5/08

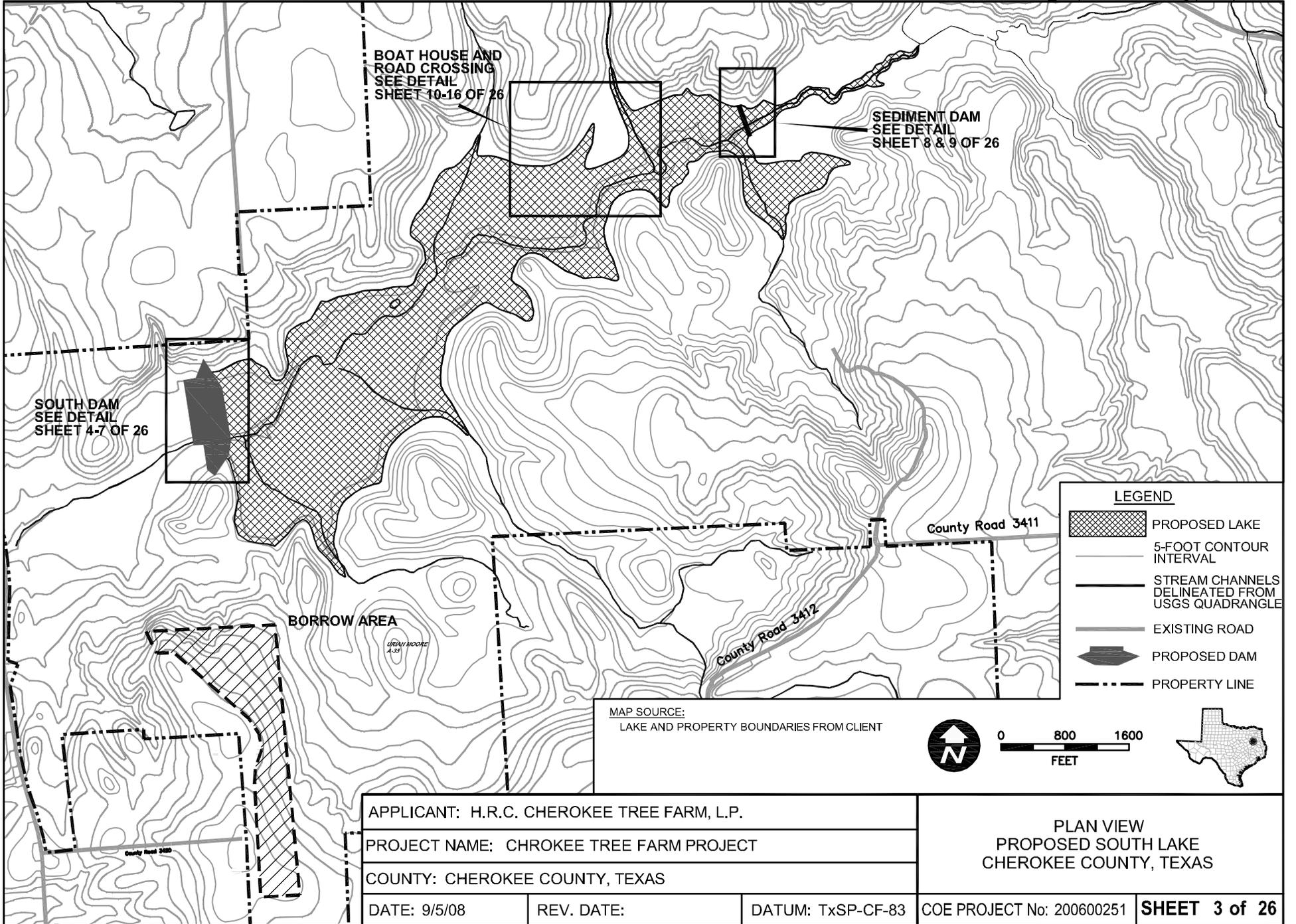
REV. DATE:

DATUM: TxSP-CF-83

COE PROJECT No: 200600251

SHEET 2 of 26

CONTOUR MAPS
PROPOSED LAKES
CHEROKEE COUNTY, TEXAS



BOAT HOUSE AND ROAD CROSSING
SEE DETAIL
SHEET 10-16 OF 26

SEDIMENT DAM
SEE DETAIL
SHEET 8 & 9 OF 26

SOUTH DAM
SEE DETAIL
SHEET 4-7 OF 26

BORROW AREA

URBY MOORE
4-53

County Road 3411

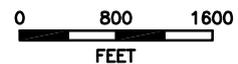
County Road 3412

County Road 3420

LEGEND

-  PROPOSED LAKE
-  5-FOOT CONTOUR INTERVAL
-  STREAM CHANNELS DELINEATED FROM USGS QUADRANGLE
-  EXISTING ROAD
-  PROPOSED DAM
-  PROPERTY LINE

MAP SOURCE:
LAKE AND PROPERTY BOUNDARIES FROM CLIENT



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

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DATE: 9/5/08

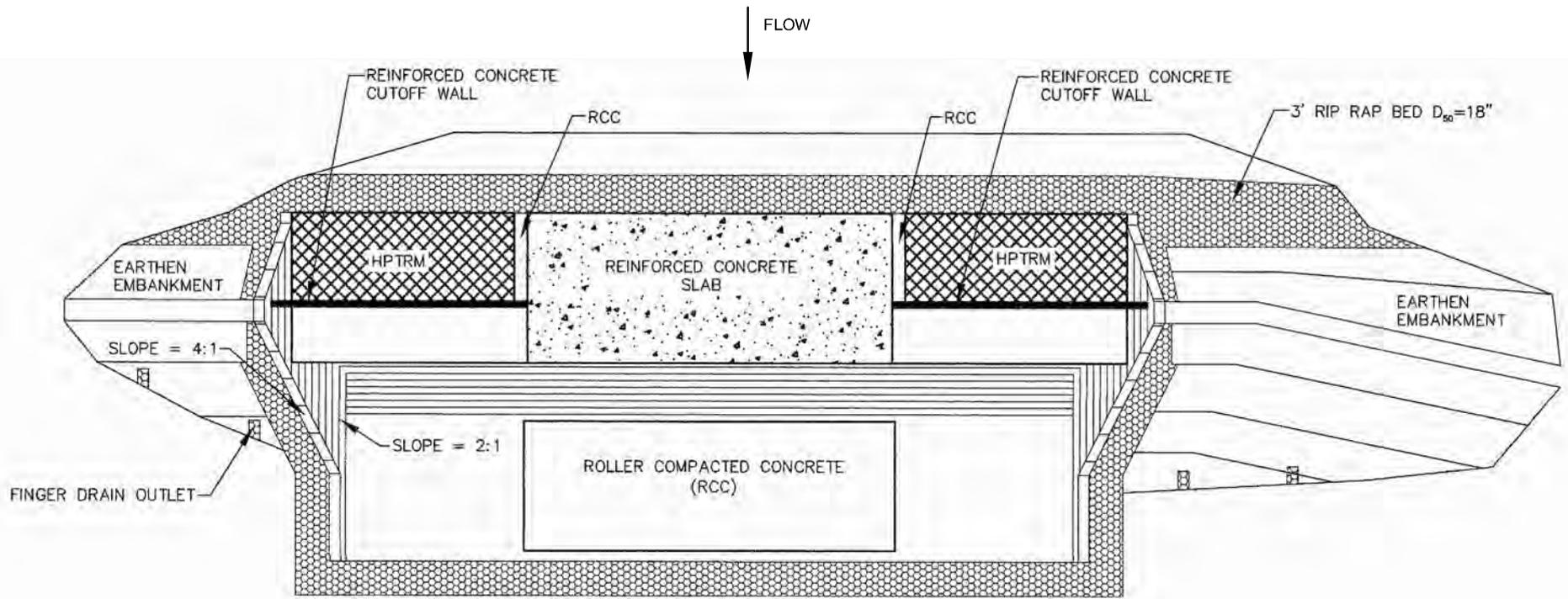
REV. DATE:

DATUM: TxSP-CF-83

COE PROJECT No: 200600251

SHEET 3 of 26

PLAN VIEW
PROPOSED SOUTH LAKE
CHEROKEE COUNTY, TEXAS

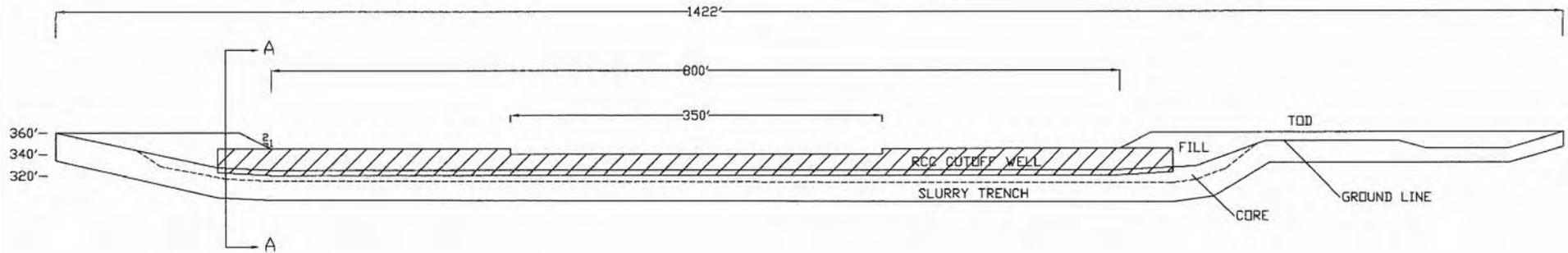


**SOUTH DAM
PLAN VIEW**

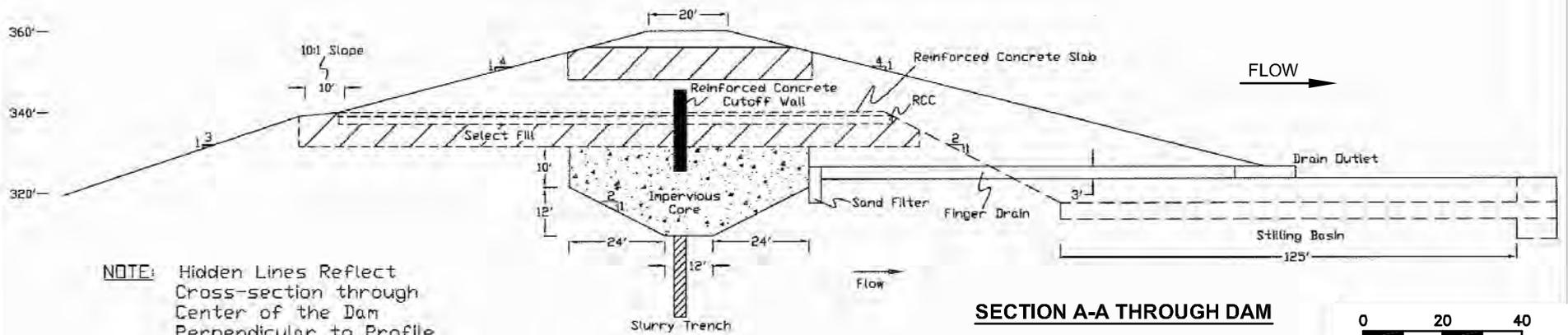
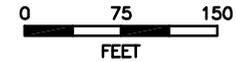
MAP SOURCE:
TRC/BRANDES (AUGUST 2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM PLAN PROPOSED SOUTH LAKE CHEROKEE COUNTY, TEXAS		
PROJECT NAME: CHROKEE TREE FARM PROJECT					
COUNTY: CHEROKEE COUNTY, TEXAS					
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 4 of 26	

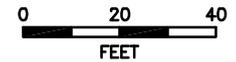


PROFILE C THROUGH DAM



NOTE: Hidden Lines Reflect Cross-section through Center of the Dam Perpendicular to Profile Centerline

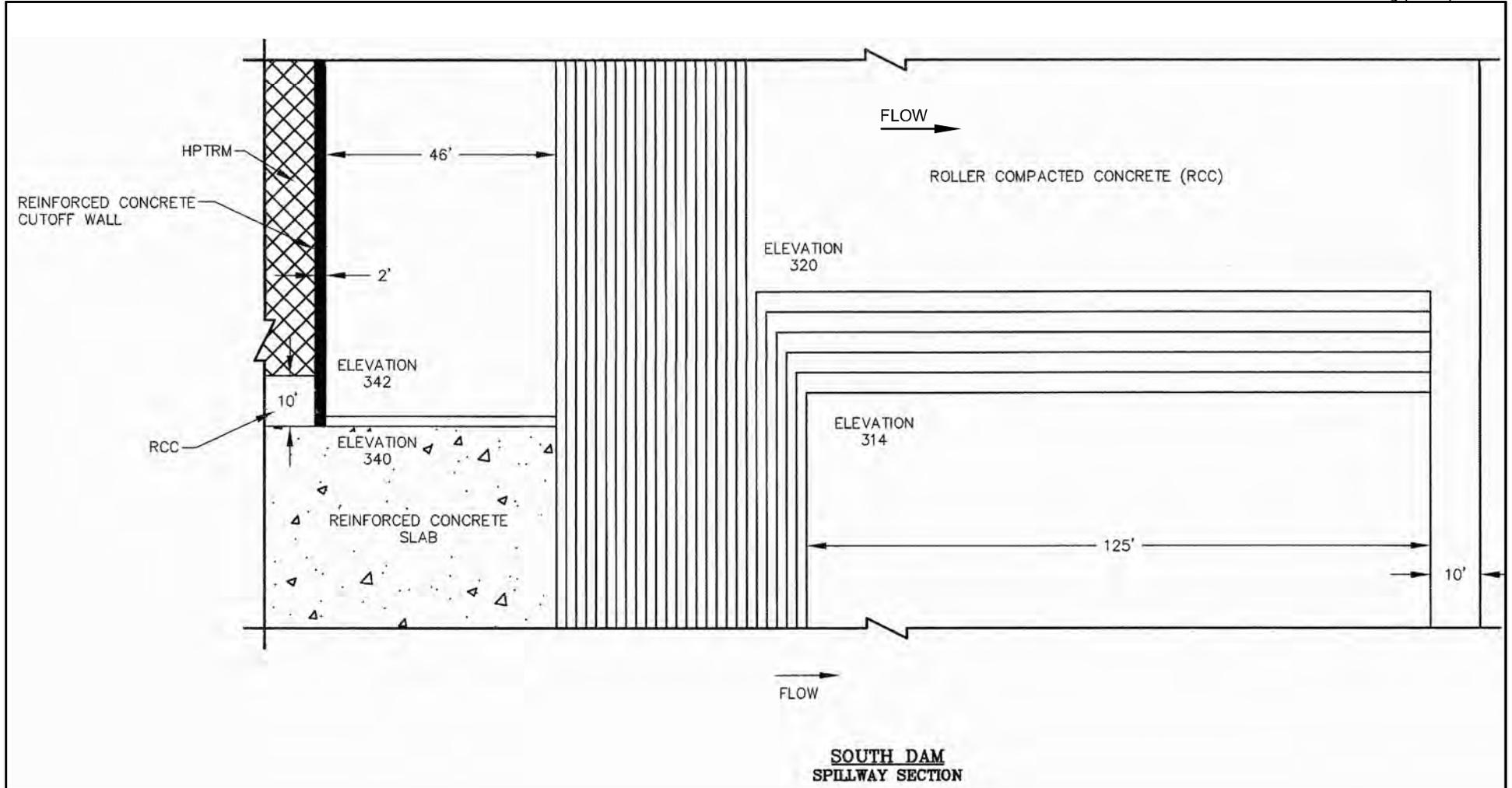
SECTION A-A THROUGH DAM



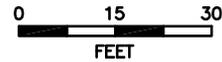
MAP SOURCE:
TRC/BRADES (AUGUST 2008)



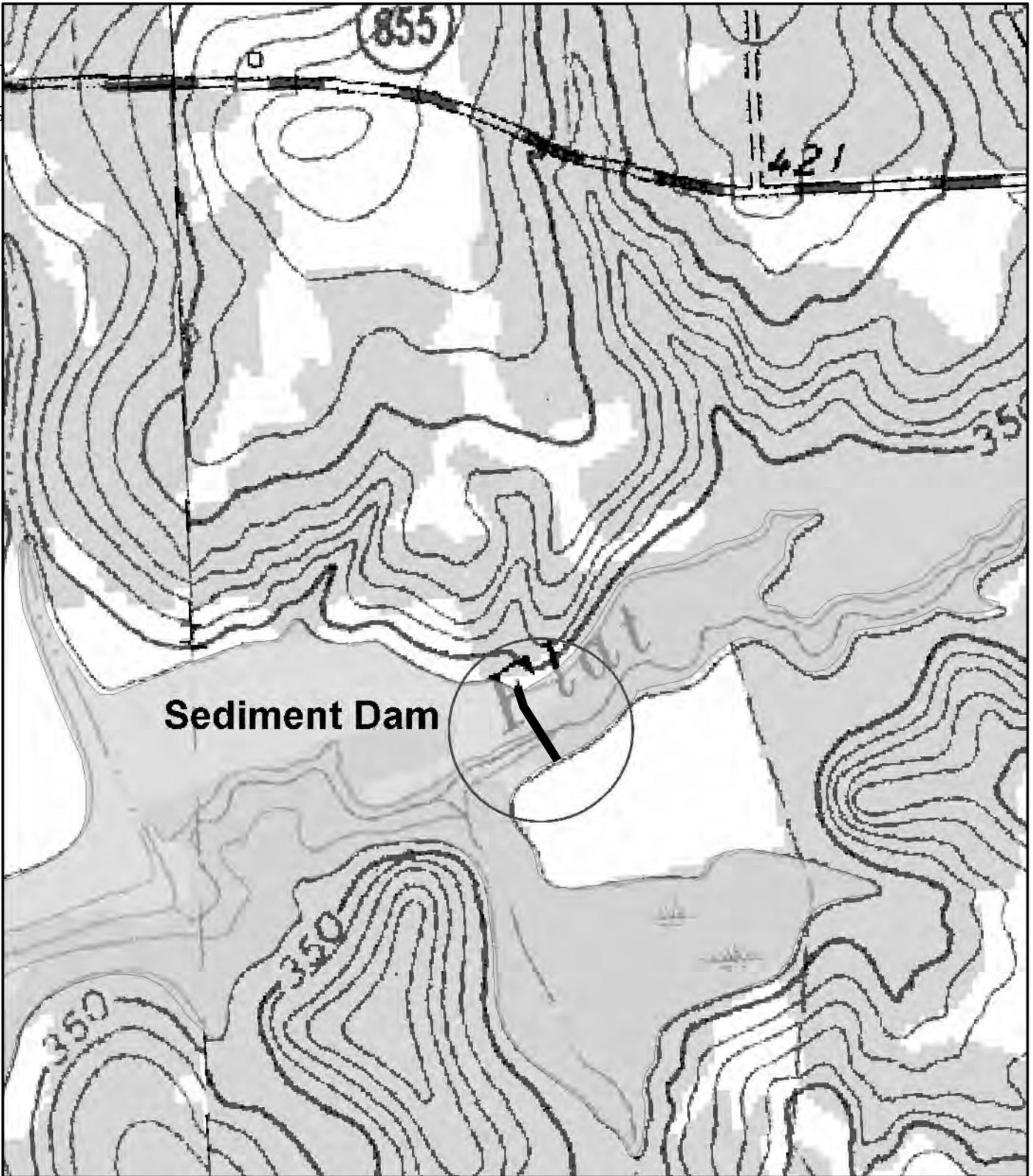
APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM PROFILE AND CROSS-SECTION PROPOSED SOUTH LAKE CHEROKEE COUNTY, TEXAS		
PROJECT NAME: CHROKEE TREE FARM PROJECT					
COUNTY: CHEROKEE COUNTY, TEXAS					
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 5 of 26	



MAP SOURCE:
TRC/BRANDS (AUGUST 2008)

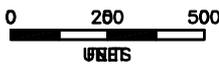
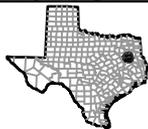


APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM RCC SECTIONAL PLAN VIEW OF STILLING BASIN PROPOSED SOUTH LAKE CHEROKEE COUNTY, TEXAS	
PROJECT NAME: CHROKEE TREE FARM PROJECT				
COUNTY: CHEROKEE COUNTY, TEXAS				
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 7 of 26



Sediment Dam

MAP SOURCE:
TRC/BRANDES (AUGUST 2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHEROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

SEDIMENT DAM LOCATION
PROPOSED SOUTH LAKE
CHEROKEE COUNTY, TEXAS

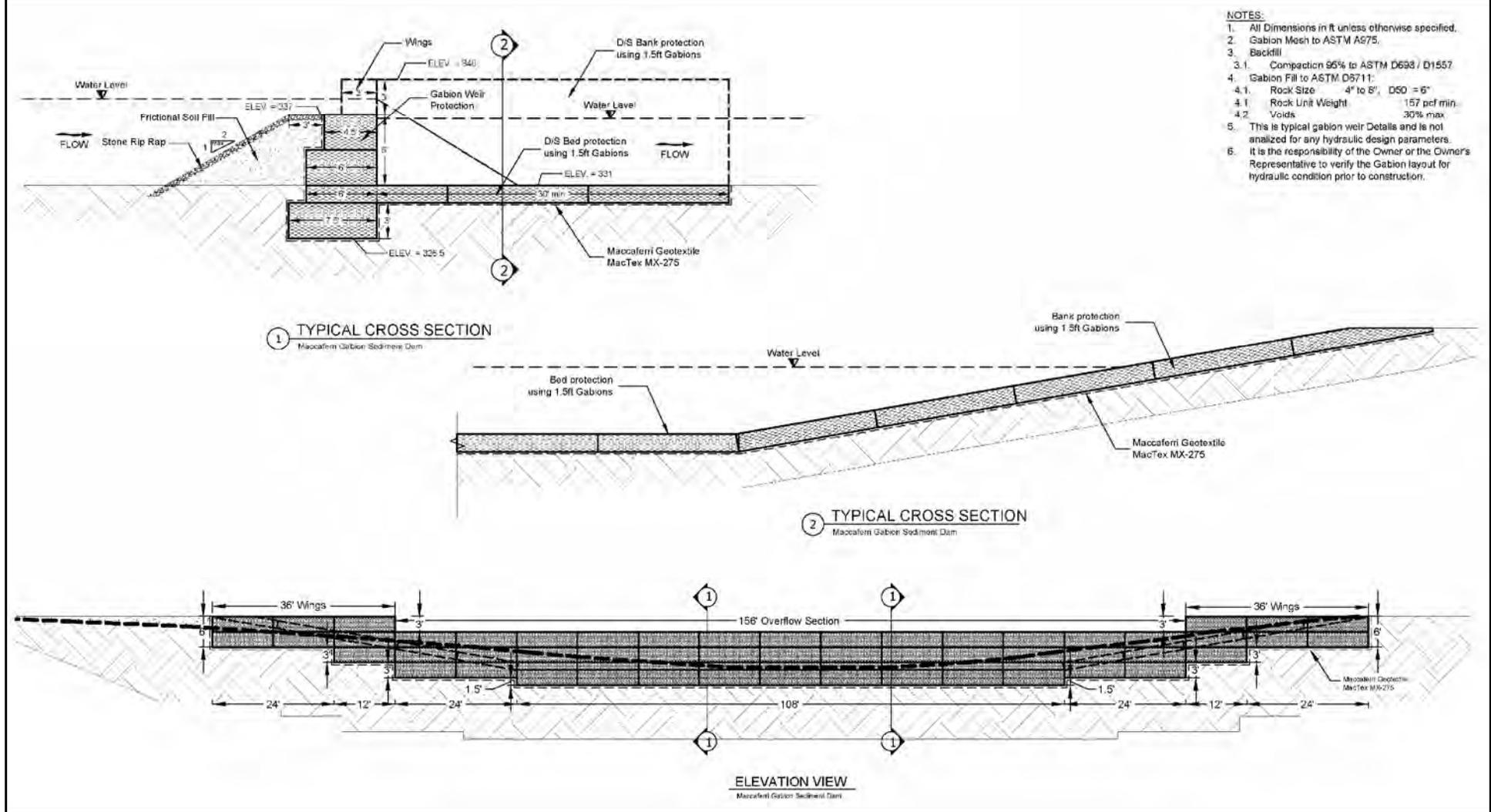
DATE: 8/29/08

REV. DATE:

DATUM: NONE

COE PROJECT No: 200600251

SHEET 8 of 26



MAP SOURCE:
TRC/BRANDS (AUGUST 2008)

NOT TO SCALE



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 8/29/08

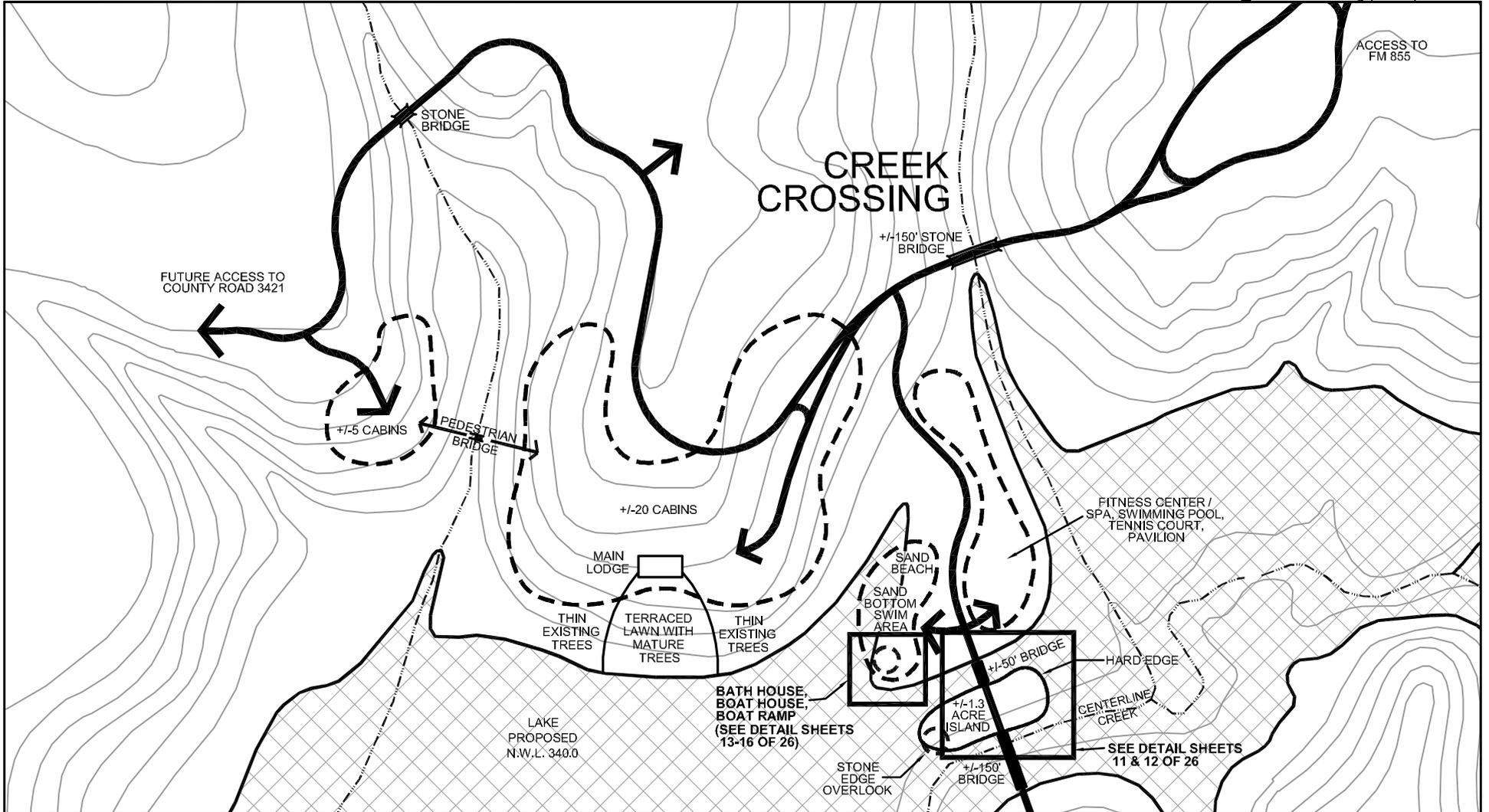
REV. DATE:

DATUM: NONE

COE PROJECT No: 200600251

SHEET 9 of 26

SEDIMENT DAM PROFILE
AND CROSS SECTION
PROPOSED SOUTH LAKE
CHEROKEE COUNTY, TEXAS



LEGEND

- PROPOSED LAKE
- 5-FOOT CONTOUR INTERVAL
- STREAM CHANNELS DELINEATED FROM USGS QUADRANGLE
- EXISTING ROAD
- PROPOSED INTERNAL ROAD
- GENERAL DEVELOPMENT POD



MAP SOURCE:
PROVIDED BY JACOBS
CONSULTANCY



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

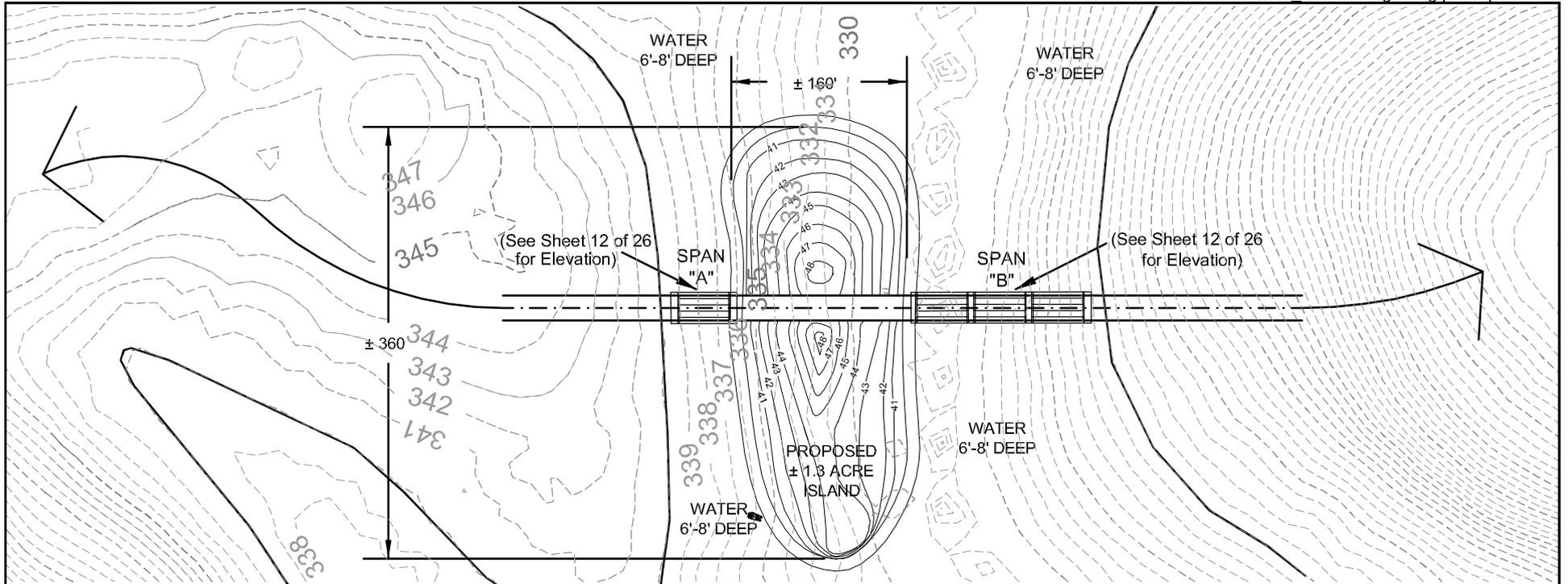
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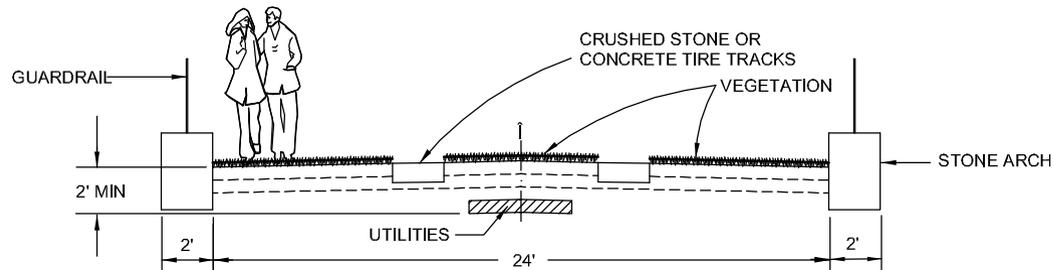
LODGE AND CABIN AREA
DEVELOPMENT DETAIL
FOR SOUTH LAKE
CHEROKEE COUNTY, TEXAS

COE PROJECT No: 200600251

SHEET 10 of 26



TYPICAL BRIDGE SECTION



MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

REV. DATE:

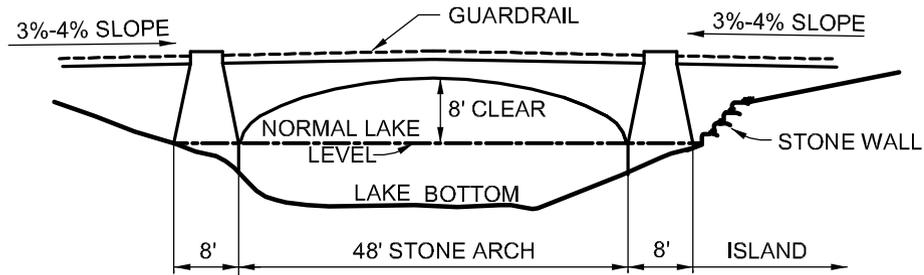
DATUM: -

ISLAND & BRIDGE PLAN/SECTION
PROPOSED SOUTH LAKE
CHEROKEE COUNTY, TEXAS

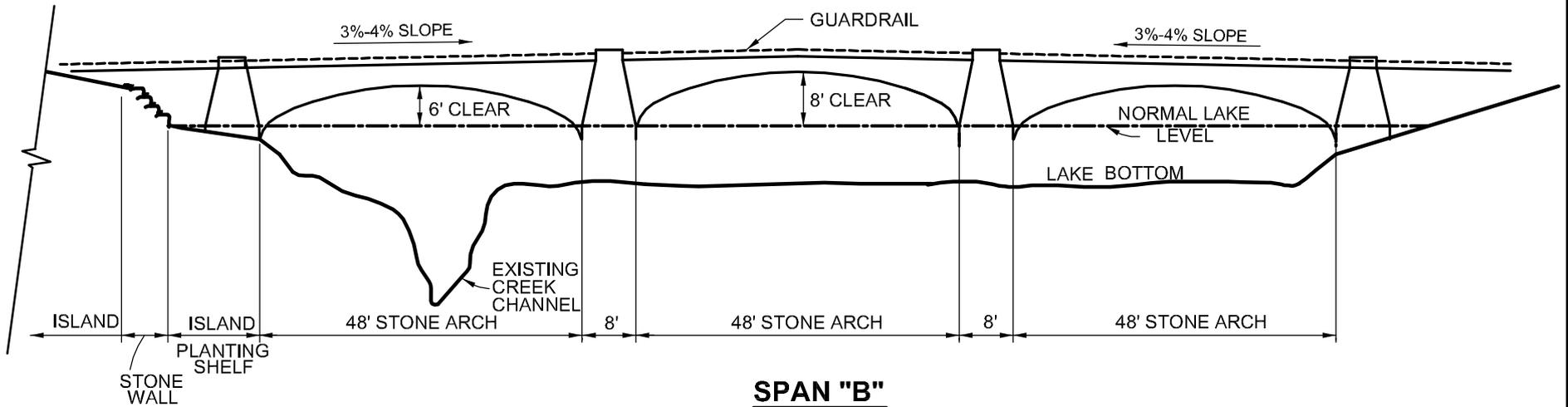
COE PROJECT No: 200600251

SHEET 11 of 26

LOWER LAKE ISLAND BRIDGE ELEVATIONS



SPAN "A"



SPAN "B"

MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

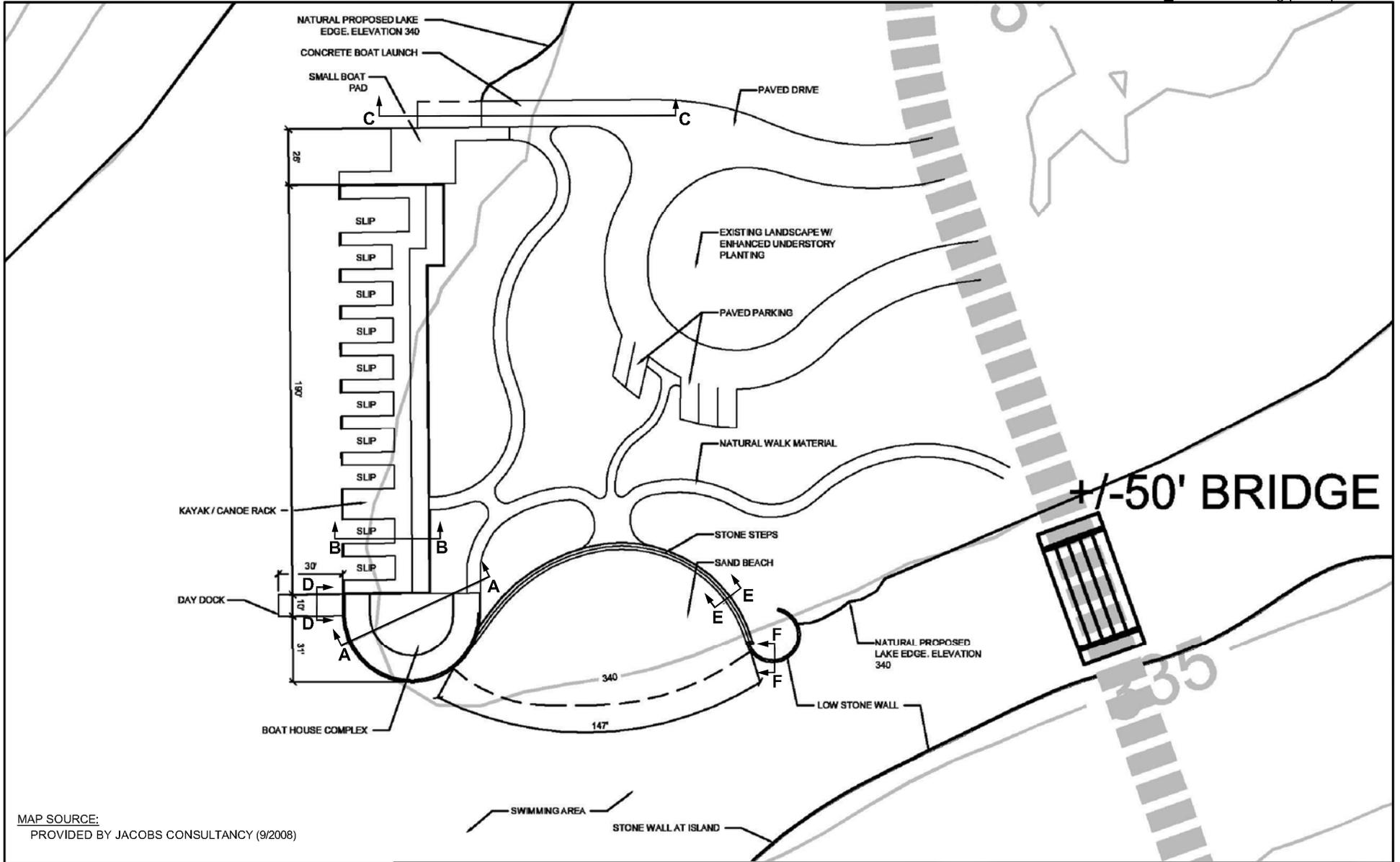
REV. DATE:

DATUM: -

ISLAND BRIDGE ELEVATIONS
PROPOSED LOWER LAKE
CHEROKEE COUNTY, TEXAS

COE PROJECT No: 200600251

SHEET 12 of 26



MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

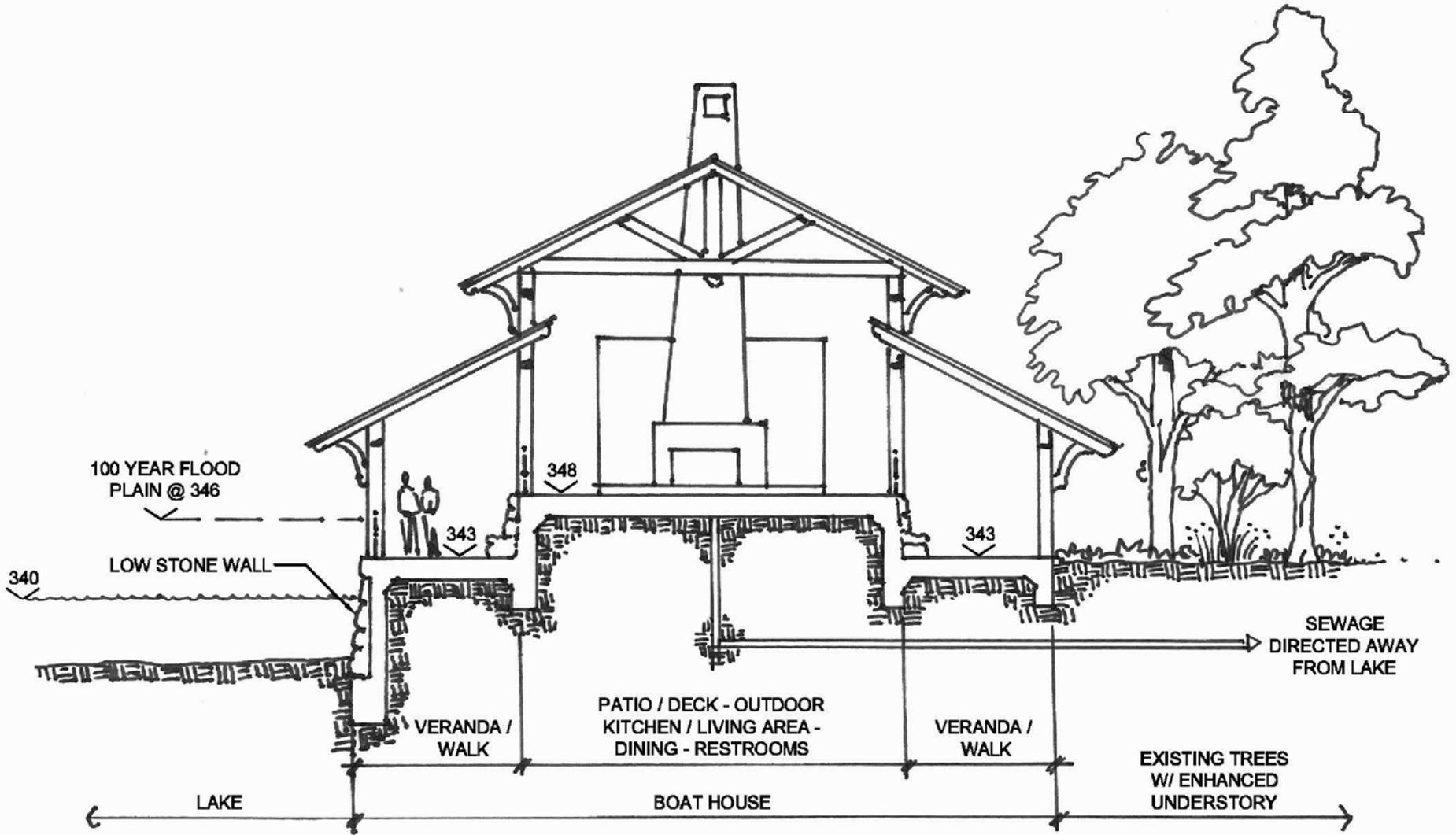
REV. DATE:

DATUM: -

CONCEPT PLAN
BOAT HOUSE COMPLEX
CHEROKEE COUNTY, TEXAS

COE PROJECT No: 200600251

SHEET 13 of 26



BOAT HOUSE - SECTION A-A'

MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

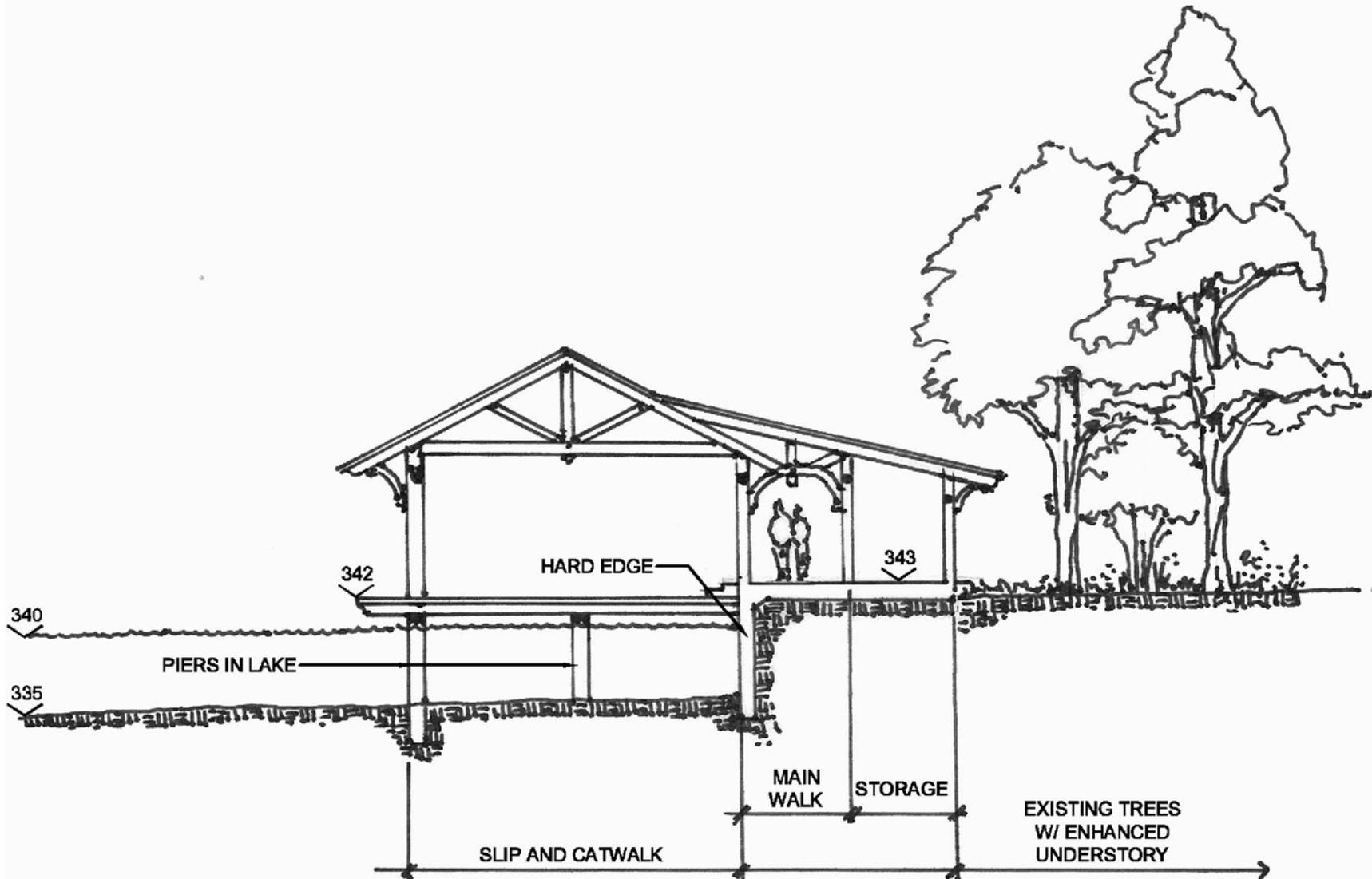
REV. DATE:

DATUM: -

CONCEPT SECTION
BOAT HOUSE COMPLEX
CHEROKEE COUNTY, TEXAS

COE PROJECT No: 200600251

SHEET 14 of 26



BOAT HOUSE - SECTION B-B'

MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

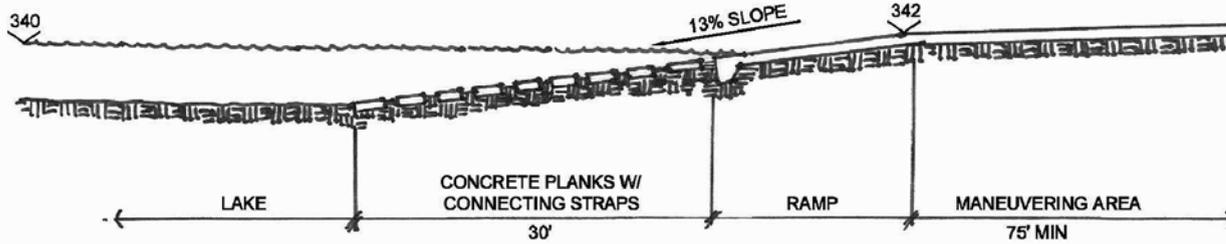
REV. DATE:

DATUM: -

CONCEPT SECTION
BOAT HOUSE COMPLEX
CHEROKEE COUNTY, TEXAS

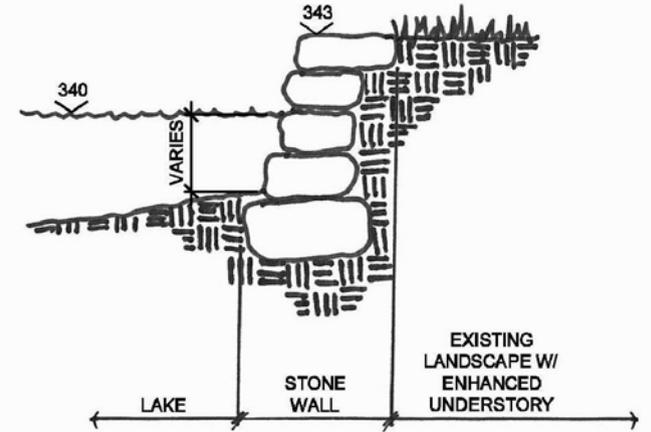
COE PROJECT No: 200600251

SHEET 15 of 26



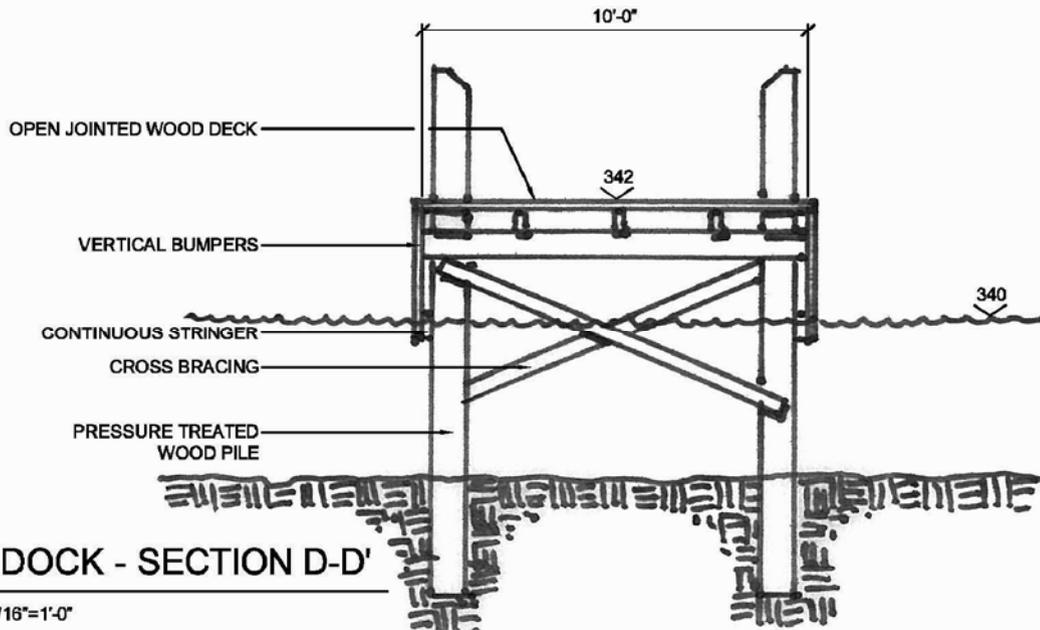
BOAT LAUNCH - SECTION C-C'

SCALE: 1"=16'-0"



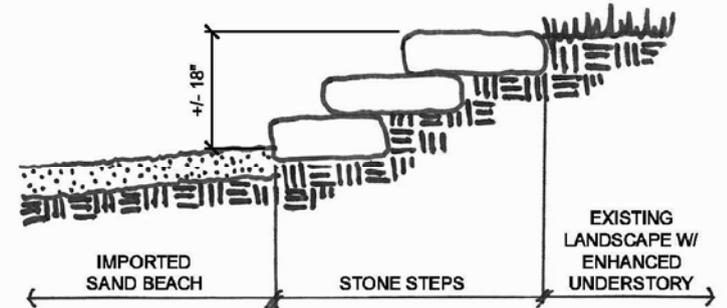
STONE WALL - SECTION F-F'

SCALE: 3/8"=1'-0"



DAY DOCK - SECTION D-D'

SCALE: 3/16"=1'-0"



STONE STEPS - SECTION E-E'

SCALE: 3/8"=1'-0"

BOAT HOUSE - SECTION B-B'

MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

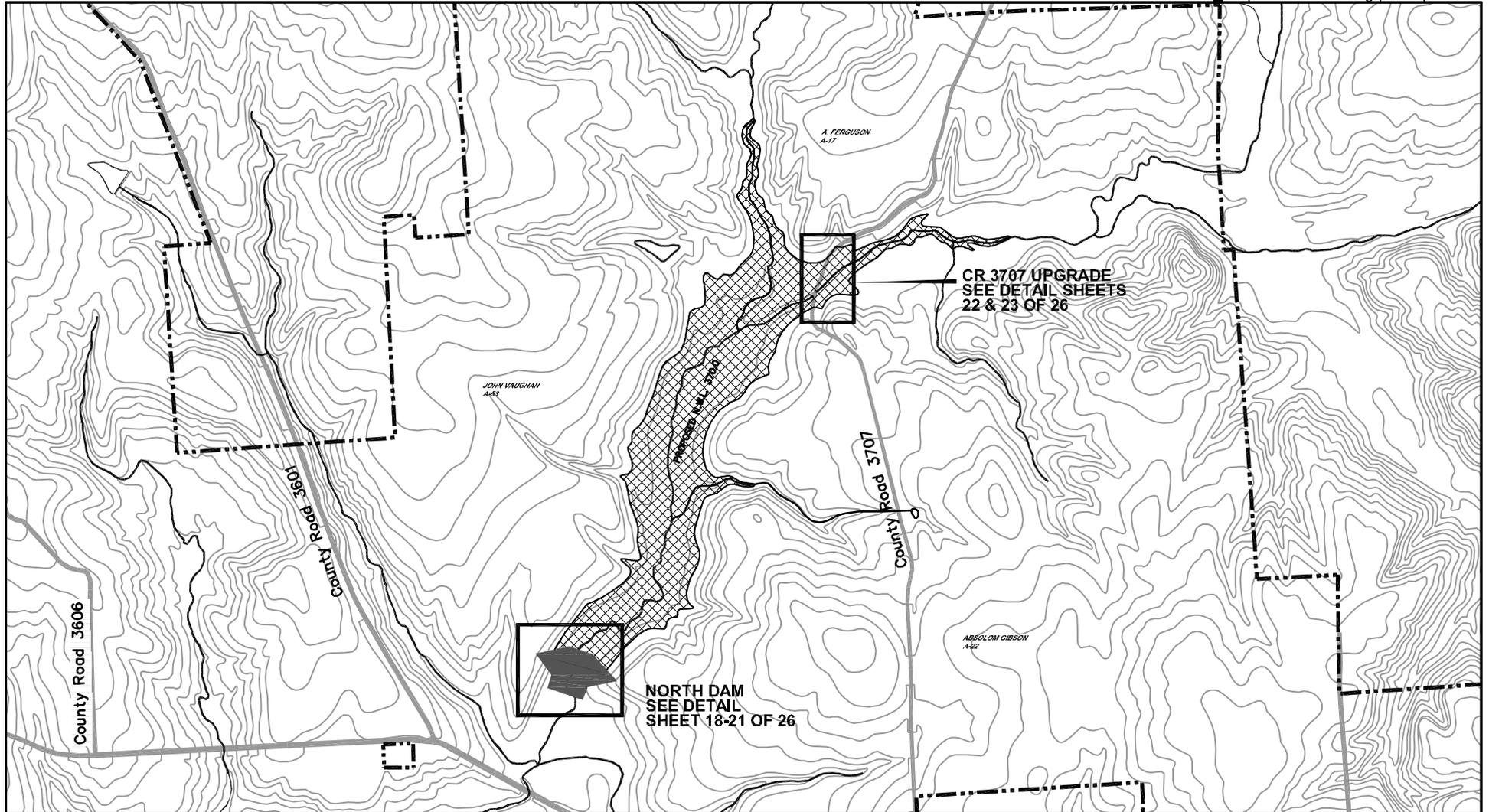
REV. DATE:

DATUM: -

CONCEPT SECTION
BOAT HOUSE COMPLEX
CHEROKEE COUNTY, TEXAS

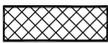
COE PROJECT No: 200600251

SHEET 16 of 26



LEGEND

MAP SOURCE:
LAKE AND PROPERTY BOUNDARIES FROM CLIENT

-  PROPOSED LAKE
-  5-FOOT CONTOUR INTERVAL
-  STREAM CHANNELS DELINEATED FROM USGS QUADRANGLE
-  EXISTING ROAD
-  PROPOSED DAM
-  PROPERTY LINE



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/5/08

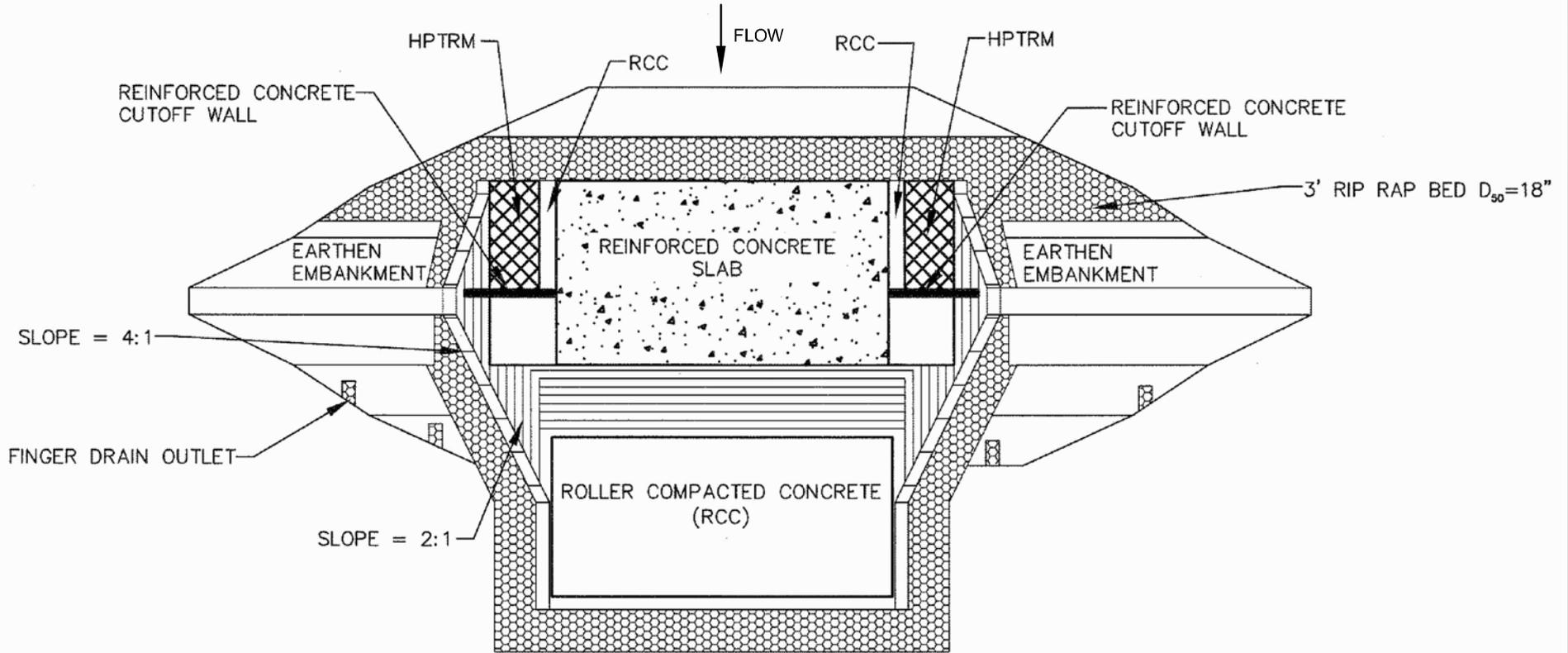
REV. DATE:

DATUM: TxSP-CF-83

COE PROJECT No: 200600251

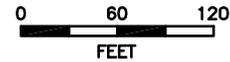
SHEET 17 of 26

PLAN VIEW
PROPOSED NORTH LAKE
CHEROKEE COUNTY, TEXAS

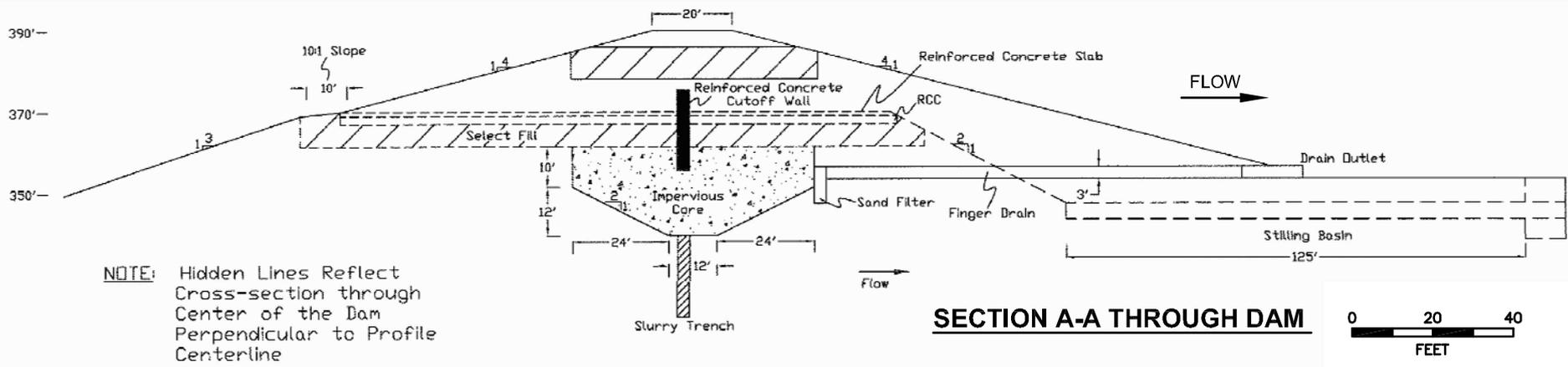
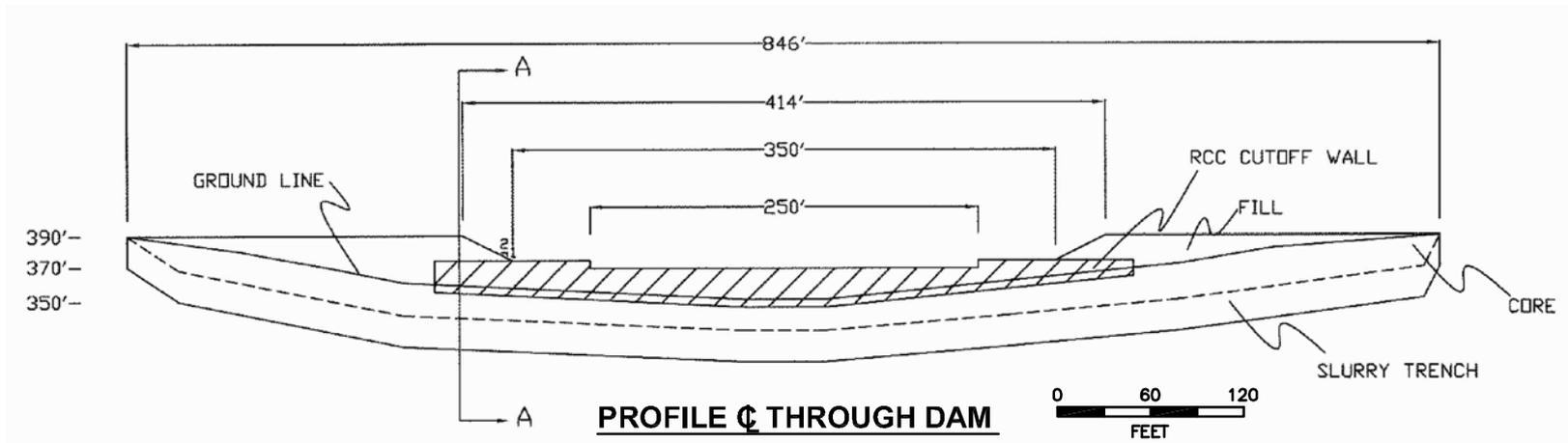


**NORTH DAM
PLAN VIEW**

MAP SOURCE:
TRC/BRANDS (AUGUST 2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM PLAN PROPOSED NORTH LAKE CHEROKEE COUNTY, TEXAS	
PROJECT NAME: CHROKEE TREE FARM PROJECT				
COUNTY: CHEROKEE COUNTY, TEXAS				
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 18 of 26

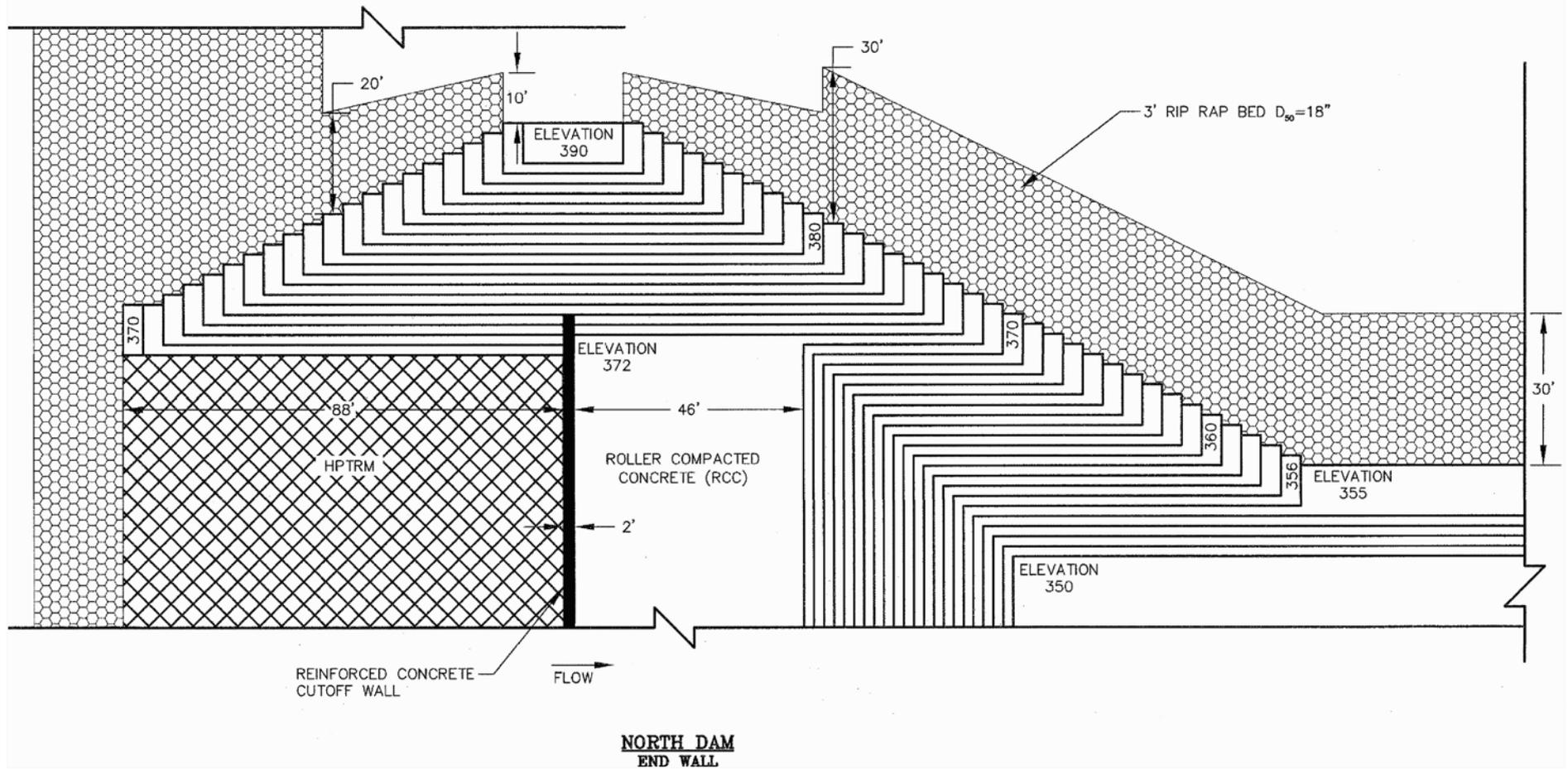


NOTE: Hidden Lines Reflect Cross-section through Center of the Dam Perpendicular to Profile Centerline

MAP SOURCE:
TRC/BRANDS (AUGUST 2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM PROFILE AND CROSS-SECTION PROPOSED NORTH LAKE CHEROKEE COUNTY, TEXAS		
PROJECT NAME: CHROKEE TREE FARM PROJECT					
COUNTY: CHEROKEE COUNTY, TEXAS					
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 19 of 26	

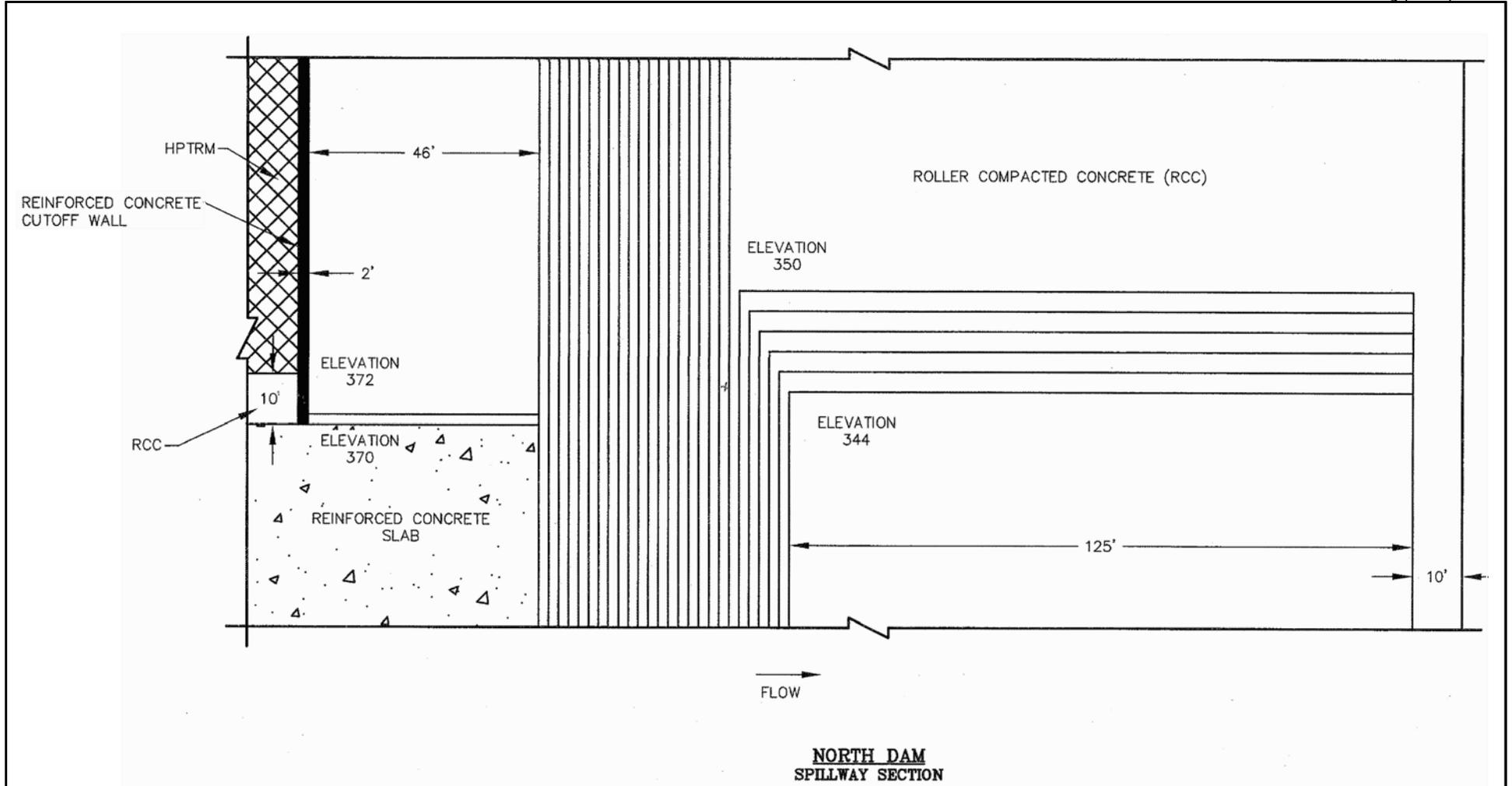


MAP SOURCE:
TRC/BRADES (AUGUST 2008)

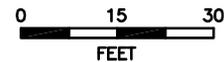


APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.		
PROJECT NAME: CHROKEE TREE FARM PROJECT		
COUNTY: CHEROKEE COUNTY, TEXAS		
DATE: 9/2/08	REV. DATE:	DATUM: NONE

DAM RCC SECTIONAL PLAN VIEW
OF CREST ABUTMENT
PROPOSED NORTH LAKE
CHEROKEE COUNTY, TEXAS

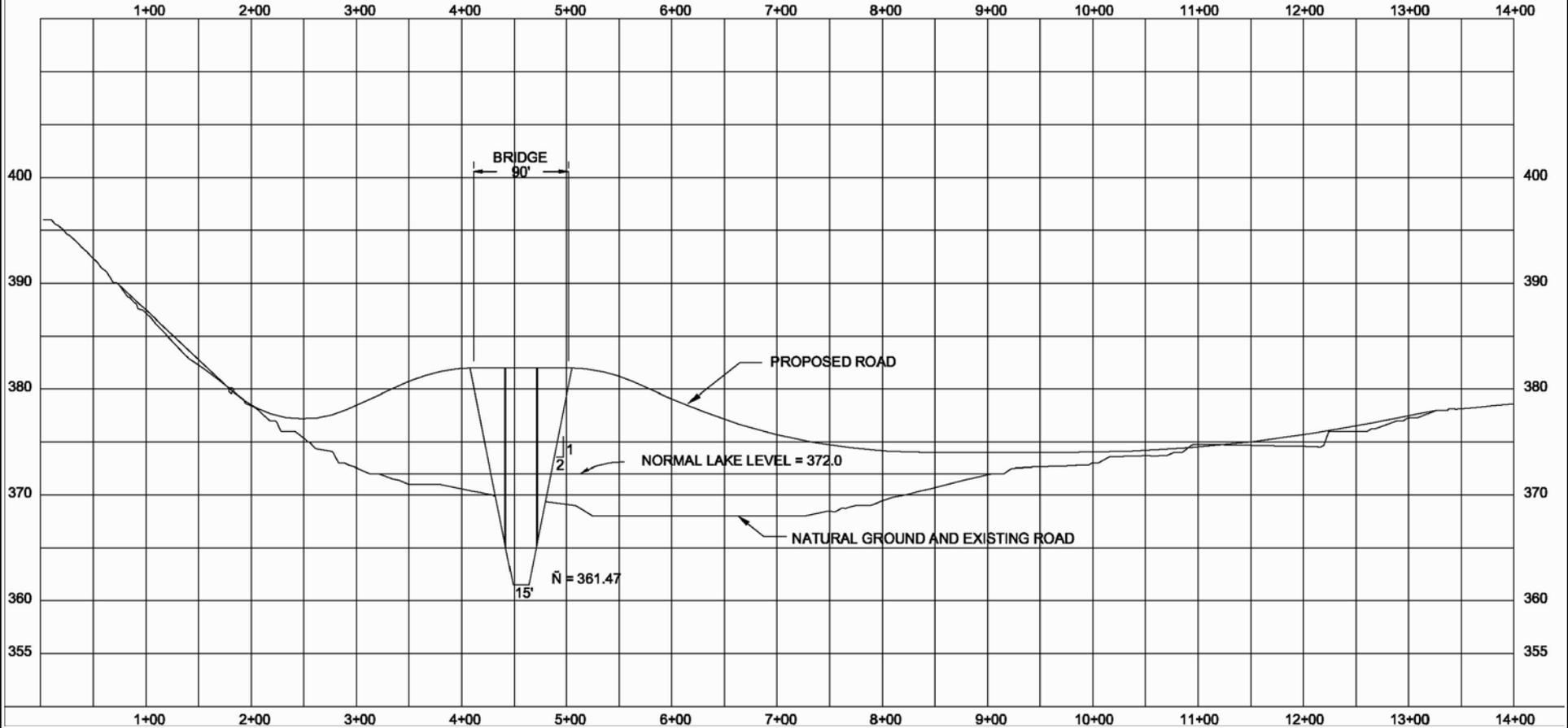


MAP SOURCE:
TRC/BRANDES (AUGUST 2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.			DAM RCC SECTIONAL PLAN VIEW OF STILLING BASIN PROPOSED NORTH LAKE CHEROKEE COUNTY MITIGATION		
PROJECT NAME: CHROKEE TREE FARM PROJECT					
COUNTY: CHEROKEE COUNTY, TEXAS					
DATE: 9/2/08	REV. DATE:	DATUM: NONE	COE PROJECT No: 200600251	SHEET 21 of 26	

CHEROKEE COUNTY ROAD 3707 LAKE CROSSING PROFILE



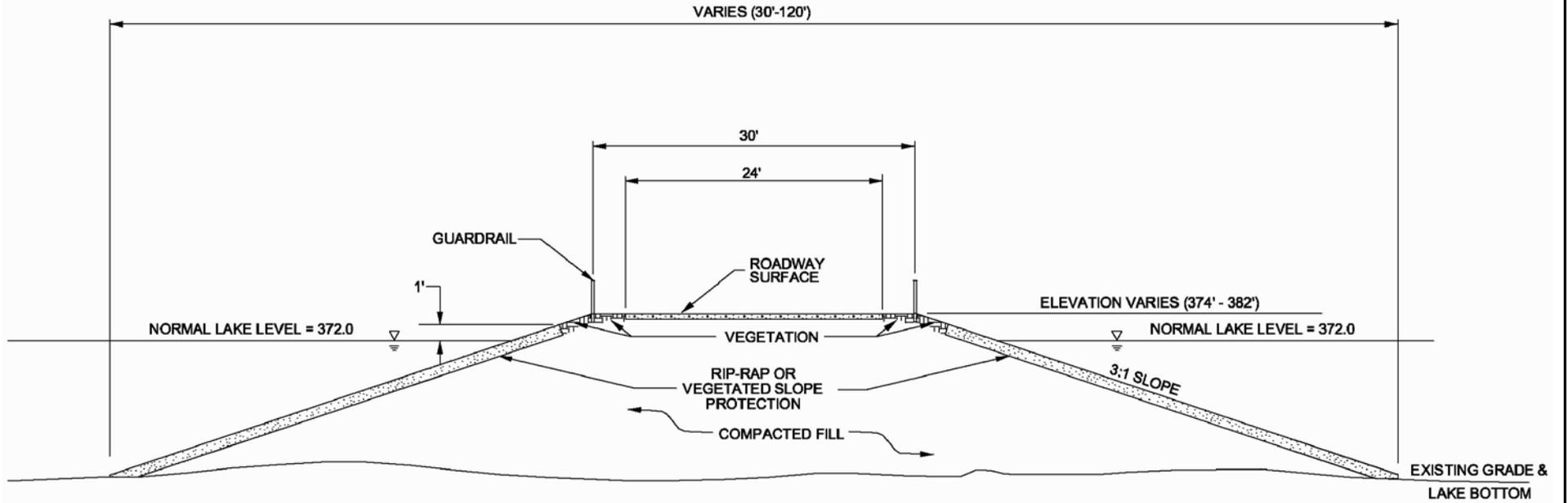
MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.		
PROJECT NAME: CHROKEE TREE FARM PROJECT		
COUNTY: CHEROKEE COUNTY, TEXAS		
DATE: 9/30/08	REV. DATE:	DATUM: -

PROPOSED CR 3707
LAKE CROSSING PROFILE
CHEROKEE COUNTY, TEXAS

CHEROKEE COUNTY ROAD 3707 LAKE CROSSING SECTION



MAP SOURCE:
PROVIDED BY JACOBS CONSULTANCY (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/30/08

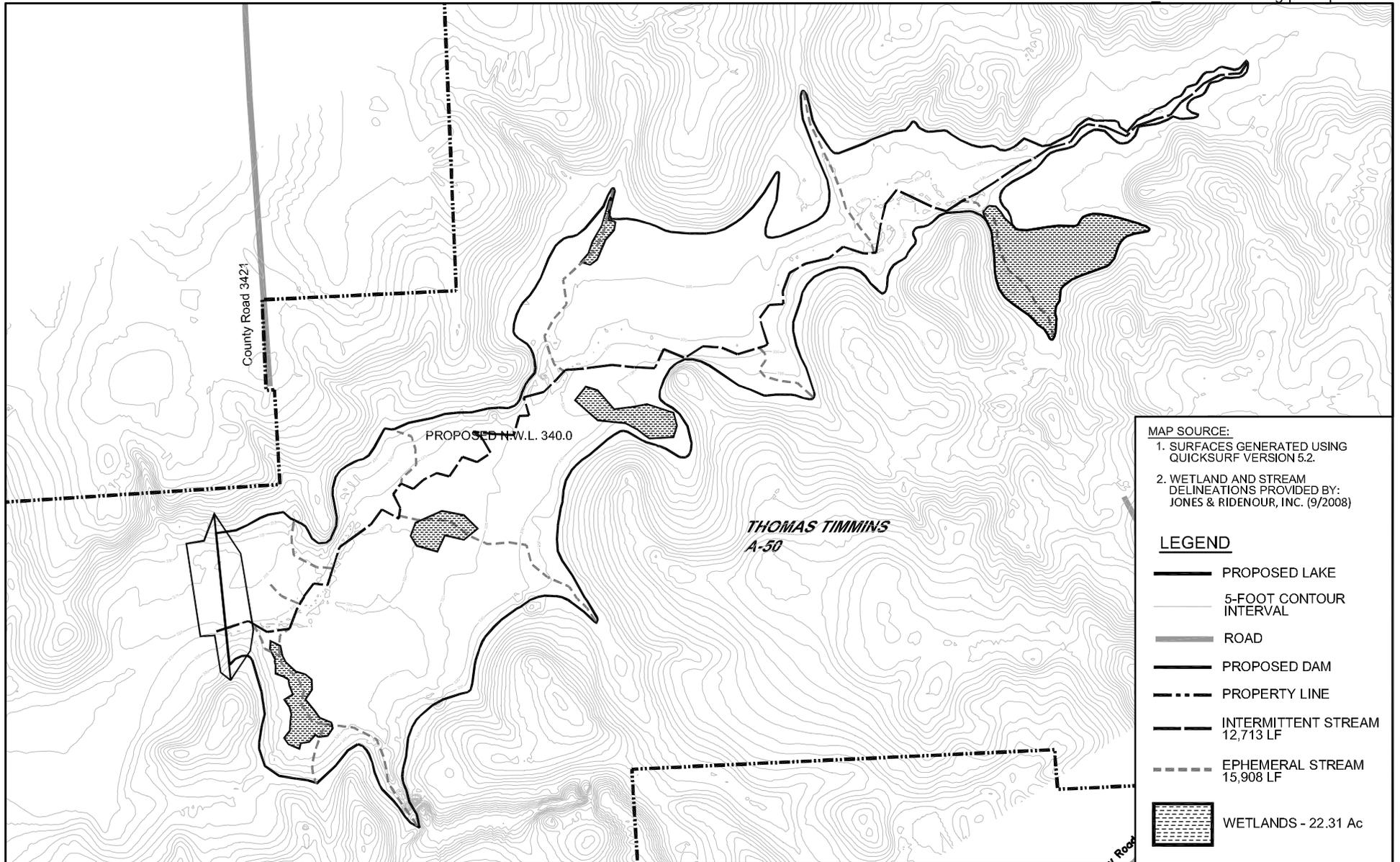
REV. DATE:

DATUM: -

PROPOSED CR 3707
LAKE CROSSING SECTION
CHEROKEE COUNTY, TEXAS

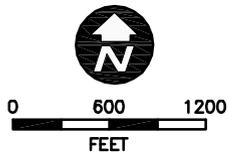
COE PROJECT No: 200600251

SHEET 23 of 26



MAP SOURCE:
 1. SURFACES GENERATED USING QUICKSURF VERSION 5.2.
 2. WETLAND AND STREAM DELINEATIONS PROVIDED BY: JONES & RIDENOUR, INC. (9/2008)

- LEGEND**
-  PROPOSED LAKE
 -  5-FOOT CONTOUR INTERVAL
 -  ROAD
 -  PROPOSED DAM
 -  PROPERTY LINE
 -  INTERMITTENT STREAM 12,713 LF
 -  EPHEMERAL STREAM 15,908 LF
 -  WETLANDS - 22.31 Ac



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/25/08

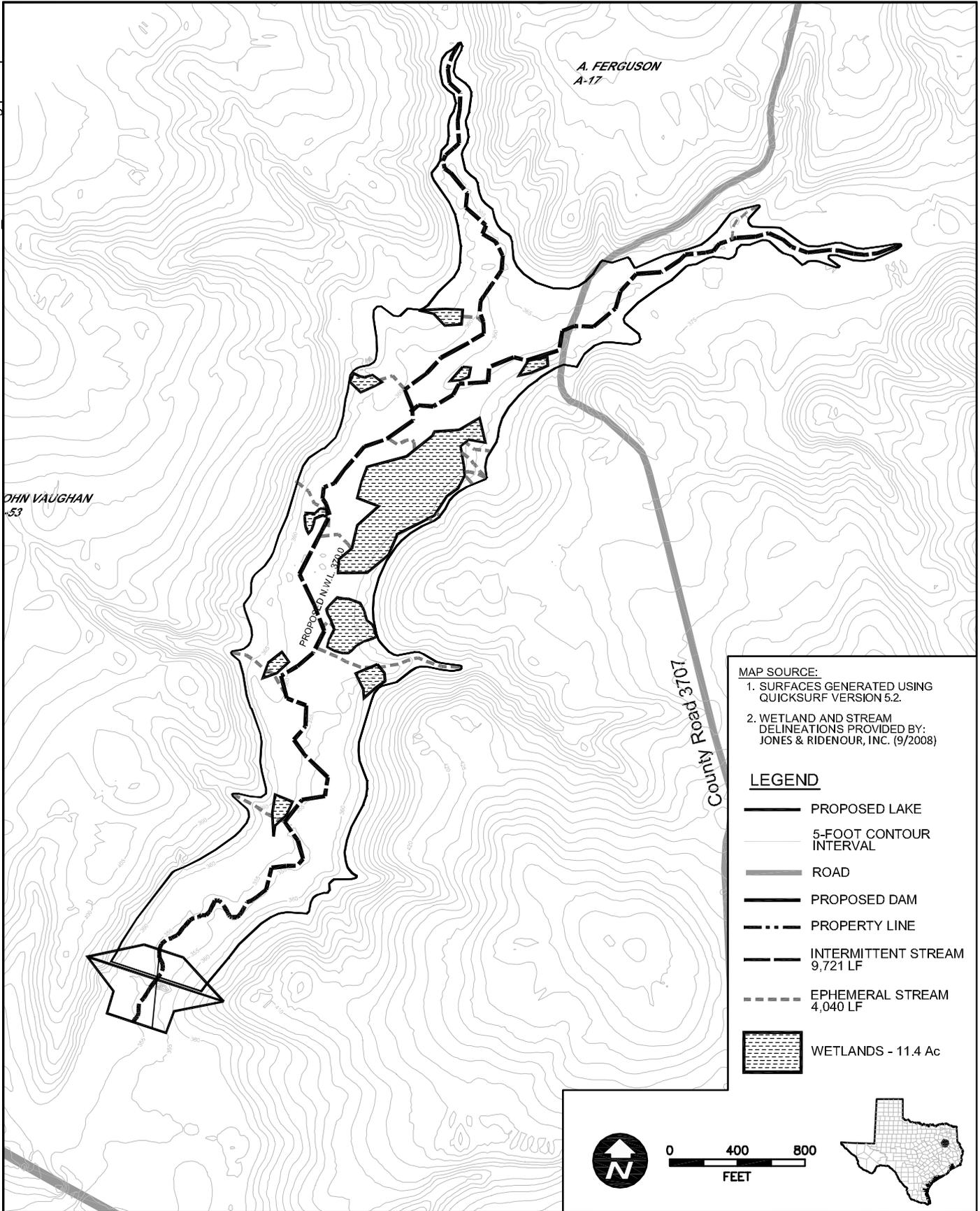
REV. DATE:

DATUM: TxSP-CF-83

COE PROJECT No: 200600251

PROJECT IMPACTS
SOUTH LAKE
CHEROKEE COUNTY, TEXAS

SHEET 24 of 26



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHEROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

PROJECT IMPACTS
 NORTH LAKE
 CHEROKEE COUNTY, TEXAS

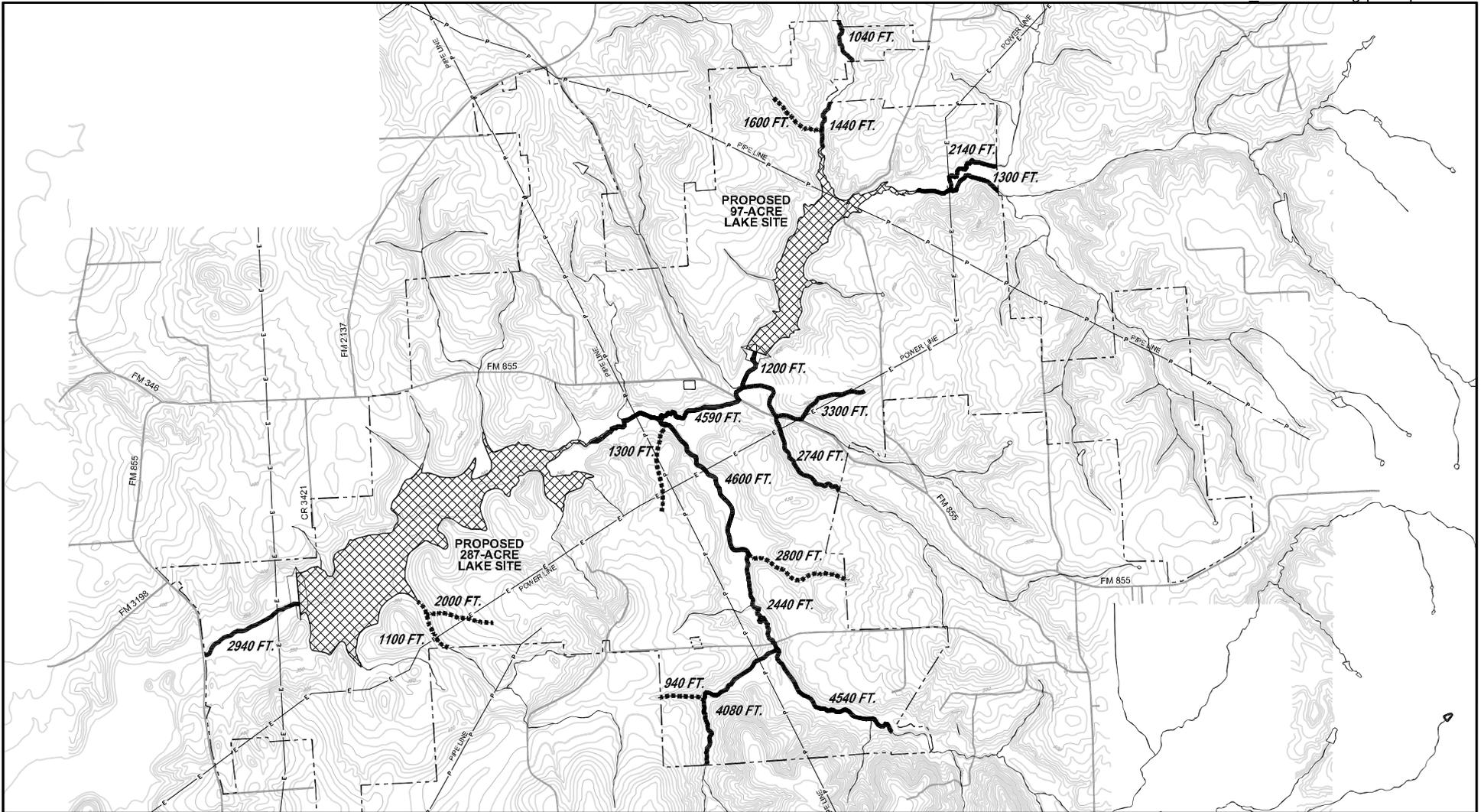
DATE: 9/25/08

REV. DATE:

DATUM: TxSP-CF-83

COE PROJECT No: 200600251

SHEET 25 of 26



LEGEND

- PROPERTY BOUNDARY
- PROPOSED LAKE
- STREAMS AND TRIBUTARIES PER USGS 7.5-MINUTES SERIES QUADRANGLE

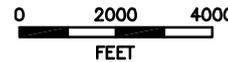
MITIGATION AREAS

- INTERMITTENT CREEKS (36,350 FT)
- EPHEMERAL CREEKS (9,740 FT)
- 4200 FT. MITIGATION LENGTHS***

*** NOTE:**
MITIGATION AREAS ARE 50-FOOT WIDTHS ON EACH SIDE OF CREEK BY LINEAR FOOTAGE INDICATED.

MAP SOURCE:

BASE MAP AND BOUNDARIES SUPPLIED BY CLIENT
MITIGATION AREAS PROVIDED BY JAMES HOUSER CONSULTING FORESTERS (9/2008)



APPLICANT: H.R.C. CHEROKEE TREE FARM, L.P.

PROJECT NAME: CHROKEE TREE FARM PROJECT

COUNTY: CHEROKEE COUNTY, TEXAS

DATE: 9/16/08

REV. DATE:

DATUM: TxSP-CF-83

COMPENSATORY MITIGATION AREAS
MAP FOR PROPOSED
NORTH AND SOUTH LAKES
CHEROKEE COUNTY, TEXAS

COE PROJECT No: 200600251

SHEET 26 of 26