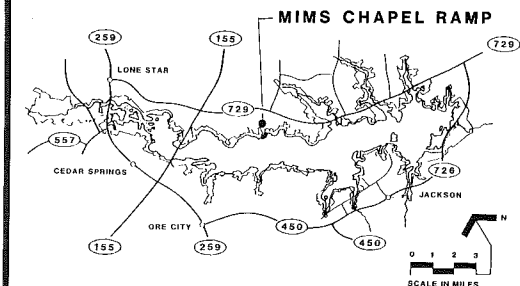


VICINITY MAP



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- .-.- EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- PROPOSED UNSURFACED ROAD
- [] EXISTING PARKING
- [] PROPOSED PARKING
- /// ROAD DELETION

BUILDINGS

- [CT] COMPOSTING TOILET
- [FV] FRAME VAULT TOILET
- [FW] FRAME WATERBORNE TOILET
- [MV] MASONRY VAULT TOILET
- [MW] MASONRY WATERBORNE TOILET
- [MS] MASONRY WATERBORNE WITH SHOWERS
- [FS] FEE CONTROL STATION
- [] EXISTING BUILDING
- [] PROPOSED BUILDING

MISCELLANEOUS

- [E] [P] PICNIC UNIT (E-EXISTING), (P-PROPOSED)
- [E] [P] TENT CAMPSITE (E-EXISTING), (P-PROPOSED)
- [E] [P] GROUP SHELTER (E-EXISTING), (P-PROPOSED)
- [] AMPHITHEATER
- [] PLAYGROUND
- [] FISHING PIER
- [] COURTESY DOCK
- [] TRAIL-(A) ACCESS, (H) HIKING, (W) WALKING
- [] (E) EQUESTRIAN, (I) INTERPRETIVE
- [E] [P] SANITARY DUMP STATION (E-EXISTING), (P-PROPOSED)
- [] FISH CLEANING STATION

- PROJECT BOUNDARY
- RECREATION SITE BOUNDARY

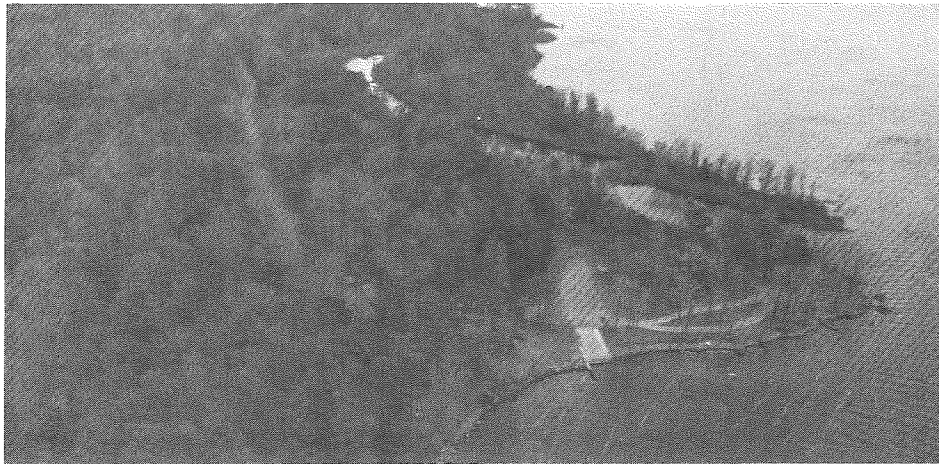
U. S. ARMY ENGINEER DISTRICT, FORT WORTH
 CORPS OF ENGINEERS
 FORT WORTH, TEXAS

LAKE O' THE PINES
 CYPRESS RIVER, TEXAS

MIMS CHAPEL RAMP

DESIGNED BY:
 DRAWN BY:
 REVIEWED BY:

INVITATION NO. DATE:
 CONTRACT NO. SHEET NO. SEQUENCE NO.
 DRAWING NUMBER 1 OF 1 6-09



OAK VALLEY PARK

6-16 OAK VALLEY PARK

I. GENERAL DESCRIPTION

A. SIZE: 15 acres.

B. LOCATION / ACCESS: The site is located on the north western portion of the lake 1 mile west of Highway 729 and approximately 1 1/2 miles east of the intersection of Highways 729 and 155.

C. OPERATION: The site is currently operated and maintained by the Corps of Engineers.

D. PARK USE: The park serves as a free 24-hour access area which offers opportunities for tent camping, a picnic area with a restroom, and a 2 lane boat ramp.

II. SITE ANALYSIS:

A. TERRAIN: This area is relatively flat except for a 5-10 percent sloping area at the east and west sides of the site.

B. VEGETATION: The site is composed primarily of pine-hardwood stands except for a wetland area parallel to the shore line.

C. SITE USE / IMPACT CONCERNS:

1. In the tent camping area, the roadway is unimproved and undefined, allowing random parking and compaction of surface vegetation. The amount of tent sites is inadequate for user needs.

2. The parking area is surfaced with no delineated spaces.

3. The picnic area adjacent to the boat ramp is located on a sloped site and is highly compacted. Areas around individual picnic units are severely eroded and the exposed concrete footings present hazard to users.

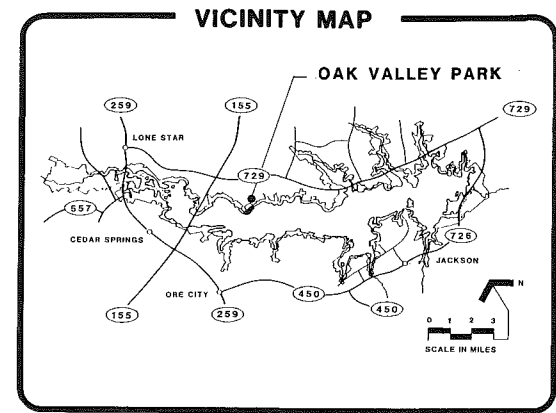
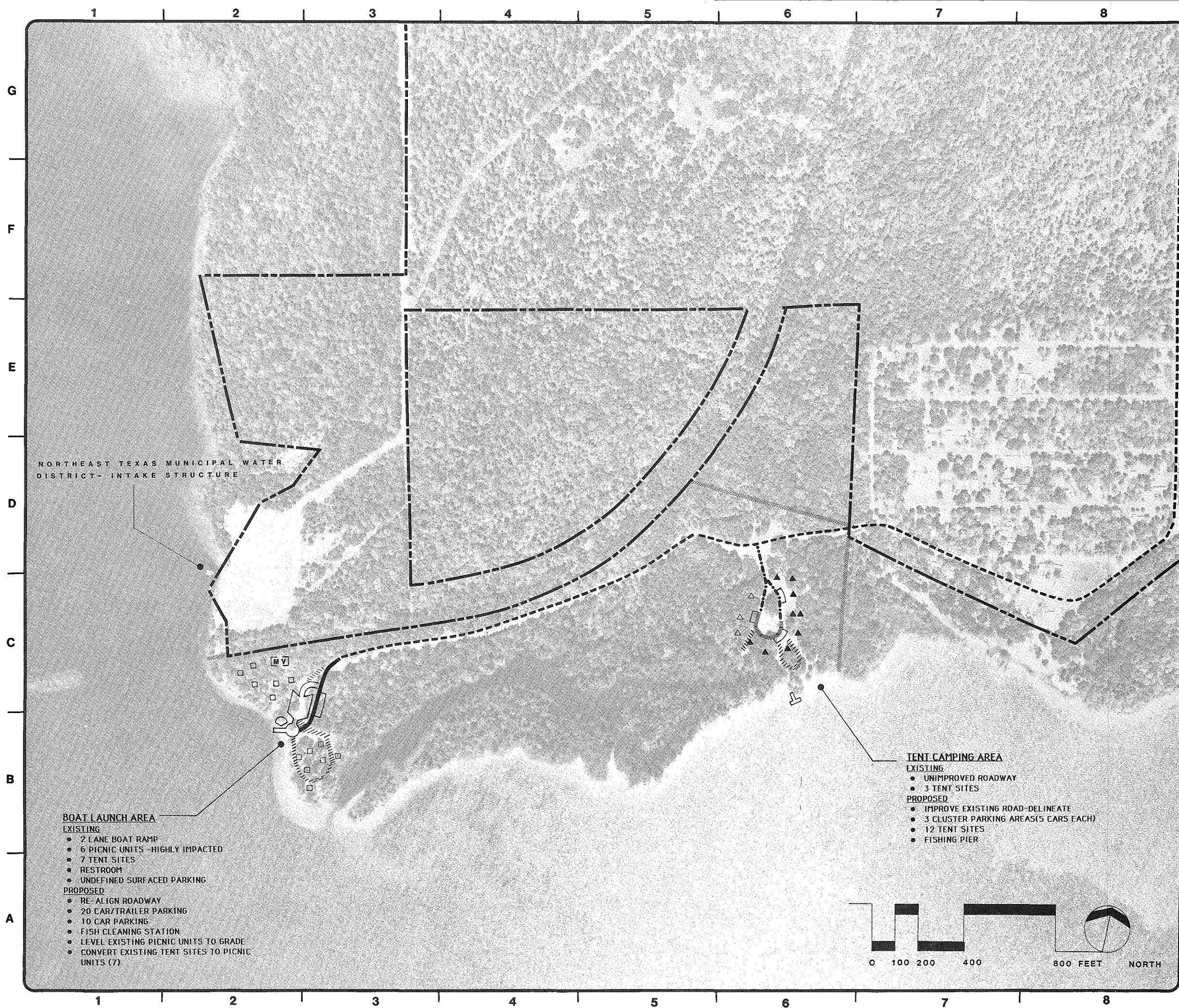
4. In the second tent camping area adjacent to the boat launch area, the roadway is unimproved and in an eroded condition. There is no defined parking and vehicles are parked at random, denuding the site of surface vegetation.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information is to serve as a guideline as to the action required to enhance the current site feature to meet the estimated user needs in the year 2005. A description of these project feature are as follow:

A. TENT CAMPING AREA: Upgrade the roadway surface and add post and cable to prevent random vehicle access. Provide 3 cluster parking areas. Upgrade existing sites and add 9 tent pad sites. Provide a fishing pier. Reclaim all compacted and eroded areas.

B. BOAT LAUNCH AREA: Provide a turn-around at the ramp area for greater vehicle maneuverability. Provide surfaced parking for 20 car/trailer spaces and for 10 car spaces. Convert the existing tent area to a picnic area. Level and stabilize all eroded picnic sites and reclaim all eroded areas. Renovate the existing restroom.



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- PROPOSED UNSURFACED ROAD
- EXISTING PARKING
- PROPOSED PARKING
- ROAD DELETION

BUILDINGS

- COMPOSTING TOILET
- FRAME VAULT TOILET
- FRAME WATERBORNE TOILET
- MASONRY VAULT TOILET
- MASONRY WATERBORNE TOILET
- MASONRY WATERBORNE WITH SHOWERS
- FEE CONTROL STATION
- EXISTING BUILDING
- PROPOSED BUILDING

MISCELLANEOUS

- PICNIC UNIT(E-EXISTING), (P-PROPOSED)
- TENT CAMPSITE(E-EXISTING),(P-PROPOSED)
- GROUP SHELTER(E-EXISTING),(P-PROPOSED)
- AMPHITHEATER
- PLAYGROUND
- FISHING PIER
- COURTESY DOCK
- TRAIL-(A) ACCESS,(H) HIKING,(W) WALKING
- (E) EQUESTRIAN,(I) INTERPRETIVE
- SANITARY DUMP STATION(E-EXISTING)
- (P-PROPOSED)
- FISH CLEANING STATION

PROJECT BOUNDARY

RECREATION SITE BOUNDARY

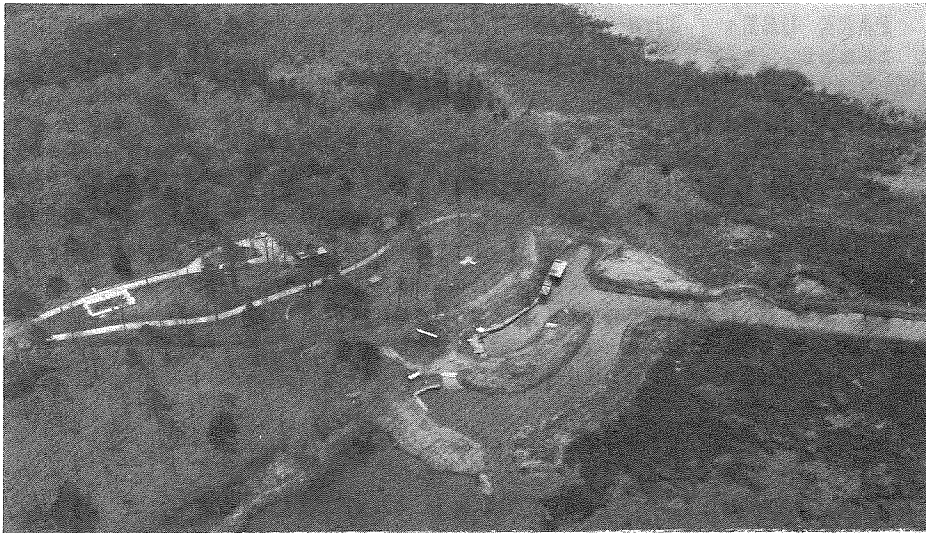
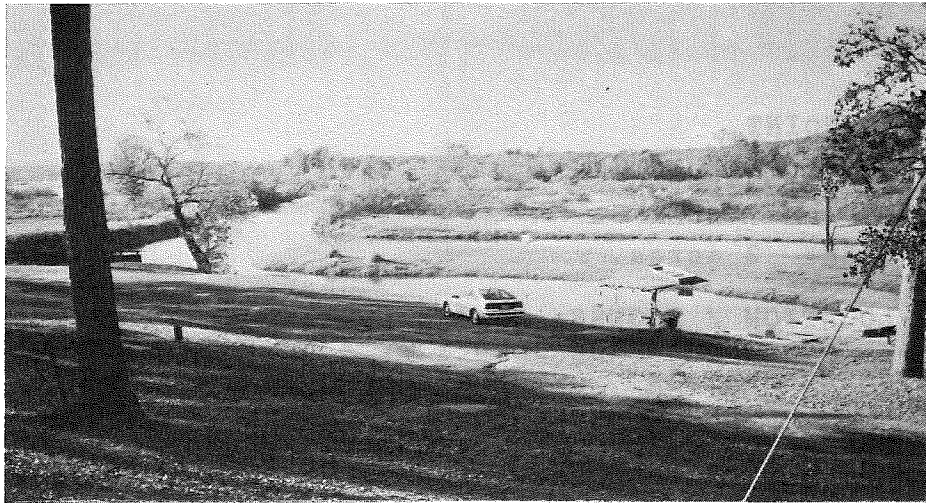
U. S. ARMY ENGINEER DISTRICT, FORT WORTH
CORPS OF ENGINEERS
FORT WORTH, TEXAS

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS

OAK VALLEY PARK

INVITATION NO. _____ DATE: _____
CONTRACT NO. _____ SHEET NO. _____ SEQUENCE NO. _____
DRAWING NUMBER 1 OF 1 6-10



WILLOW POINT

6-17 WILLOW POINT

I. GENERAL DESCRIPTION

A. SIZE: 2 acres.

B. LOCATION / ACCESS: The site is located on the northwestern portion of the lake 1 mile north of the intersection of Highways 729 and 155.

C. OPERATION: The area is currently operated and maintained by a private concessionaire under a lease agreement with the Corps of Engineers.

D. PARK USE: The area serves as a private recreation area with boat ramps, a picnic area, and sites for camping.

II. SITE ANALYSIS:

A. TERRAIN: The site consists of rolling hills with a 10-15 percent slope from the shoreline to the upper inland areas.

B. VEGETATION: The predominant tree cover is a pine-hardwood mix with dominantly pine cover along the lower shoreline area. The tree cover is of moderate density and understory vegetation consists of grasses.

C. SITE USE / IMPACT CONCERNS:

1. The general condition of the site consists of a compacted unimproved road and areas of limited activity use. Compaction of surface vegetation occurs but erosion is slight.

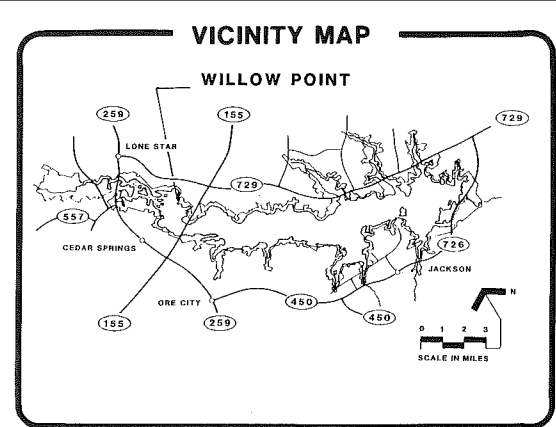
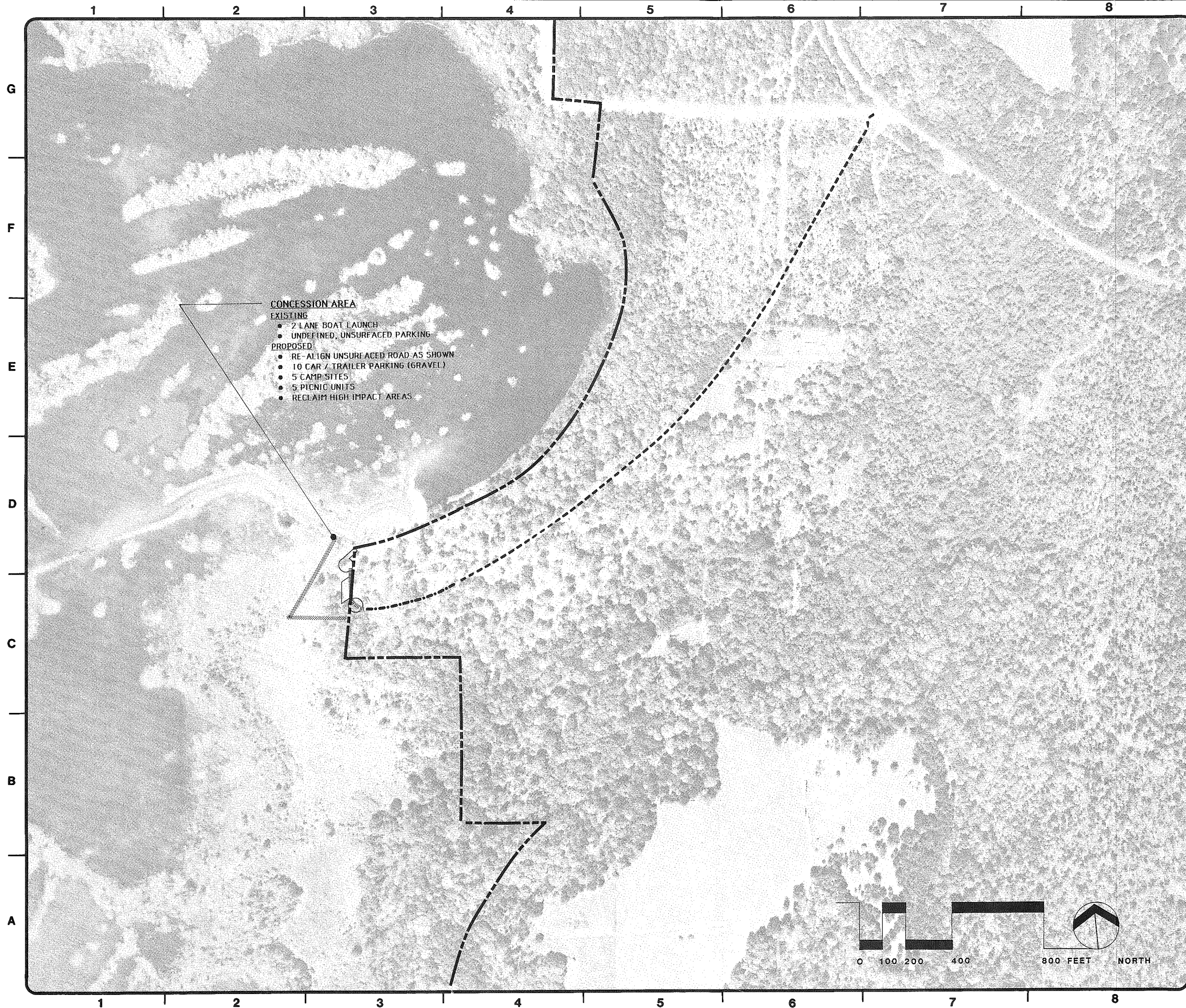
2. Each of 2 boat launching areas consists of 1 lane. Vehicle maneuverability is limited due to lack of open space.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these feature follows:

A. BOAT LAUNCH AREA: Additional area should be cleared at the western ramp to allow for a turn-around for greater vehicle maneuverability. Upgrade this ramp from 1 lane to 2 lane capability. Provide a defined parking area for 10 cars/trailers. Delete eastern 1 lane ramp and restore the site to natural conditions.

B. OTHER SITE IMPROVEMENT: Improve the existing roadway surface from the site entry to the boat ramp area. Define parking areas to prevent random parking and prevent further compaction. Add 3 additional camp sites to the 2 existing sites.



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- - - EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- - - PROPOSED UNSURFACED ROAD
- [] EXISTING PARKING
- [] PROPOSED PARKING
- /// ROAD DELETION

BUILDINGS

- [CT] COMPOSTING TOILET
- [FY] FRAME VAULT TOILET
- [FW] FRAME WATERBORNE TOILET
- [MV] MASONRY VAULT TOILET
- [MW] MASONRY WATERBORNE TOILET
- [MS] MASONRY WATERBORNE WITH SHOWERS
- [FS] FEE CONTROL STATION
- [] EXISTING BUILDING
- [] PROPOSED BUILDING

MISCELLANEOUS

- [E] [P] PICNIC UNIT(E-EXISTING), (P-PROPOSED)
- [E] [P] TENT CAMPSITE(E-EXISTING),(P-PROPOSED)
- [E] [P] GROUP SHELTER(E-EXISTING),(P-PROPOSED)
- [] AMPHITHEATER
- [] PLAYGROUND
- [] FISHING PIER
- [] COURTESY DOCK
- [] TRAIL-(A) ACCESS,(H) HIKING,(W) WALKING
- [] (E) EQUESTRIAN,(I) INTERPRETIVE
- [E] [P] SANITARY DUMP STATION(E-EXISTING) (P-PROPOSED)
- [] FISH CLEANING STATION

--- PROJECT BOUNDARY

/// RECREATION SITE BOUNDARY

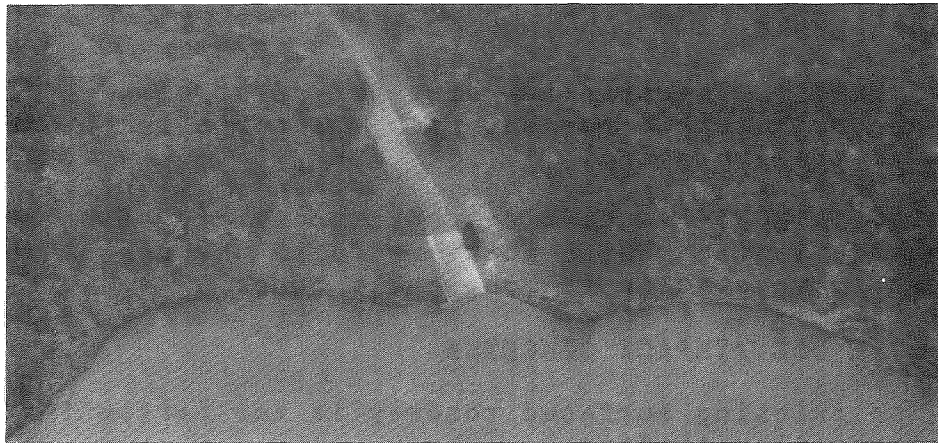
U. S. ARMY ENGINEER DISTRICT, FORT WORTH
CORPS OF ENGINEERS
FORT WORTH, TEXAS

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS

WILLOW POINT

INVESTIGATION NO. _____ DATE: _____
CONTRACT NO. _____ SHEET NO. 1 OF 1 SEQUENCE NO. 6-11
DRAWING NUMBER _____



LONE STAR PARK

I. GENERAL DESCRIPTION

A. SIZE: 7 acres

B. LOCATION / ACCESS: Lone Star Park is located on the northwest section of the lake on Texas Highway 259, south of the town of Lone Star.

C. OPERATION: The park is operated and maintained by the Corps of Engineers.

D. PARK USE: The park serves as a free 24 hour access 2 lane boat launch area.

II. SITE ANALYSIS

A. TERRAIN: The area is relatively flat with a slight slope of approximately 5 percent from the northern portion of the park down to the shoreline.

B. VEGETATION: Vegetation consists mainly of hardwood (Oaks, Sweetgum) stands with scattered pine throughout the area. The understory vegetation is moderately dense.

C. SITE USE /IMPACT CONCERNS

1. The existing surfaced roadway is too narrow for safe two-way car/trailer traffic.

2. The roadway runs directly to the shoreline with no safeguard provided to prevent vehicles from driving into the water.

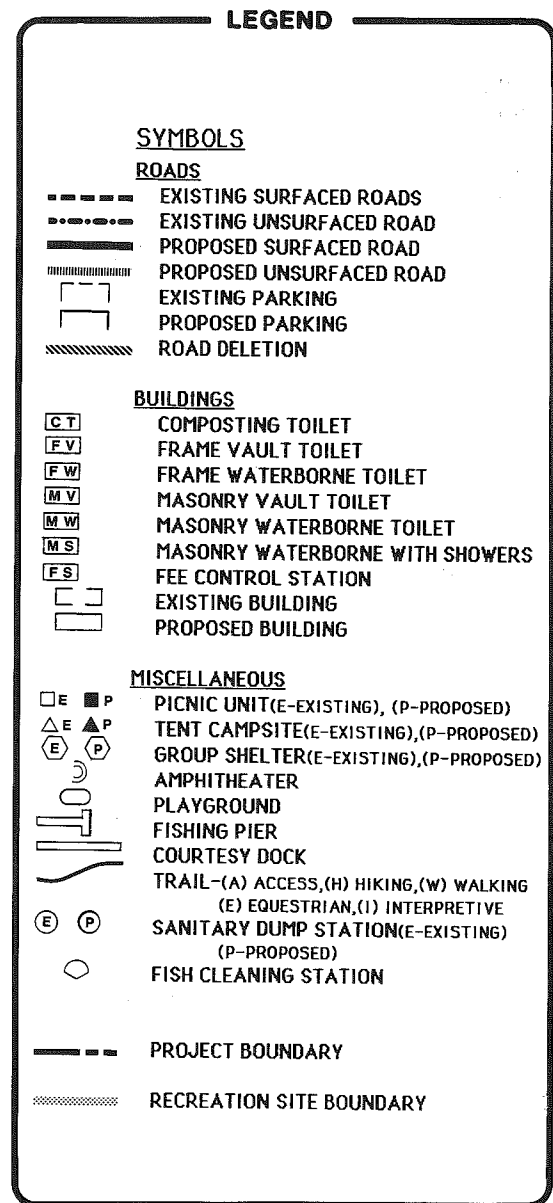
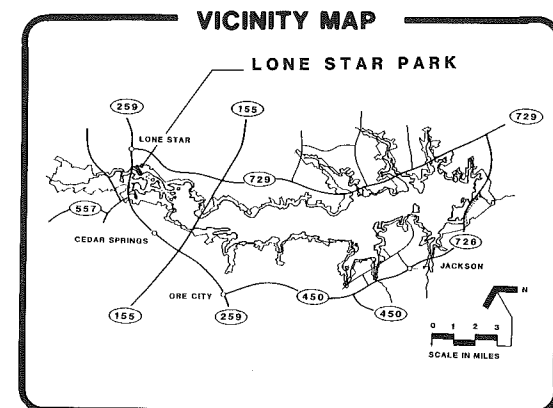
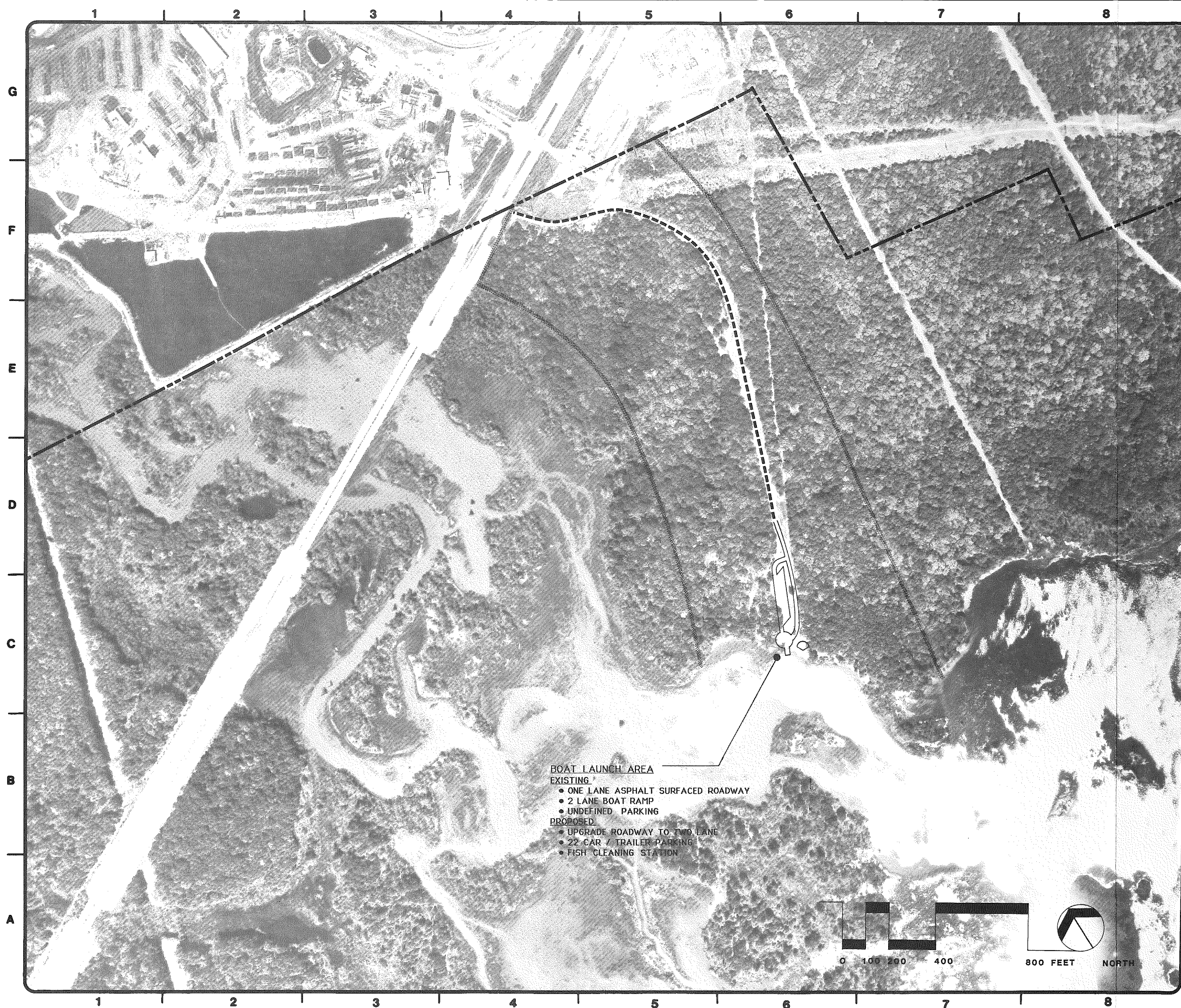
3. There is no defined, surfaced parking at the site. Vehicles are currently parking along the side of the road, creating soil compaction and erosion problems.

III. FUTURE DEVELOPMENT/ RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

A. ROADWAY CIRCULATION: Upgrade the roadway width to accommodate two way traffic. Realign the roadway to avoid straight line access into the lake.

B. BOAT LAUNCH AREA: Provide a turn-around adjacent to the boat ramp for vehicle maneuverability. Provide a defined, delineated, and surfaced parking area for 22 car/trailer spaces.



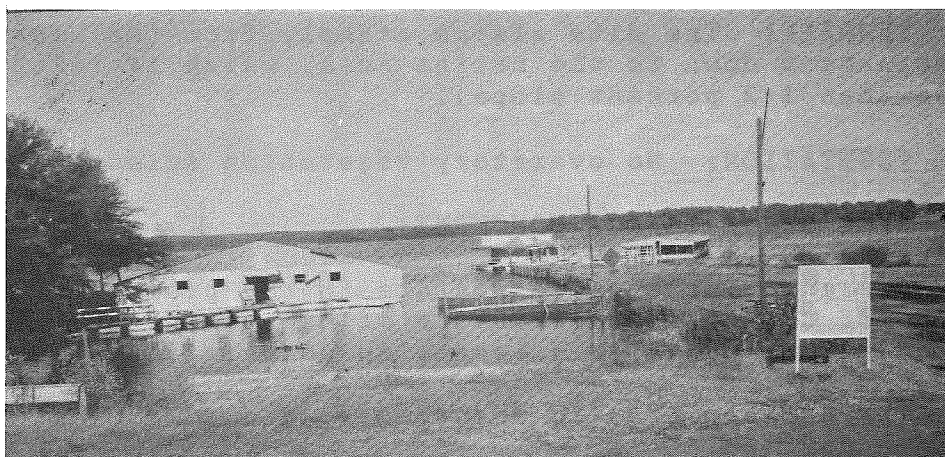
U. S. ARMY ENGINEER DISTRICT, FORT WORTH
CORPS OF ENGINEERS
FORT WORTH, TEXAS

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS

LONE STAR PARK

INVITATION NO. _____ DATE: _____
CONTRACT NO. _____ SHEET NO. _____ SEQUENCE NO. _____
DRAWING NUMBER 1 OF 1 6-12



HIGHWAY LANDING

6-19 HIGHWAY LANDING

I. GENERAL DESCRIPTION

- A. SIZE:** 1 acre.
- B. LOCATION / ACCESS:** This site is located on the western edge of the lake, adjacent to Highway 155 approximately 1 mile east of the intersection of Highways 155 and 259.
- C. OPERATION:** The area has been operated and maintained by a private concessionaire under lease agreement with the Corps of Engineers.
- D. PARK USE:** The area is used as a private marina with a 1 lane boat ramp and a picnic area.

II. SITE ANALYSIS

- A. TERRAIN:** The site slopes steeply from the highway bridge embankment down to the marina area, which is relatively flat (less than 1-2 percent slope).
- B. VEGETATION:** No overstory vegetation exists.
- C. SITE USE / IMPACT CONCERNS:**
1. Currently, the buildings are in the process of being dismantled for use in reconstruction of new buildings. In its present condition, the site presents an undesirable view.
 2. The parking area is unsurfaced, and compacted. Parking spaces are undefined.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

MARINA AREA: At this time, the operation / maintenance status of the marina is unclear. However, there are certain features to be considered for proposed development to meet future user needs. Provide a surfaced, defined 40 car / trailer parking area. Provide a 2 lane boat ramp with a turn-around for vehicle maneuverability. Develop an area for 7 overnight camping spaces with electrical/water hook-ups and 8 picnic units. Reclaim compacted areas and revegetate the site.



CEDAR SPRINGS PARK

6-20 CEDAR SPRINGS PARK

I. GENERAL DESCRIPTION

A. SIZE: 48 acres.

B. LOCATION / ACCESS: The park is located on the southwestern portion of the lake with access from Highway 259, approximately 1 mile south from the intersection of Highways 259 and 155.

C. OPERATION: The park is maintained and operated by the Corps of Engineers.

D. PARK USE: The park is a free access area which offers a 3 lane boat launching facility. Overnight tent camping/picnic areas, and restroom facilities are available.

II. SITE ANALYSIS

A. TERRAIN: The area consists of rolling terrain with steeper slopes of 10-20 percent grade along the southern portion of the park decreasing to grades of 0-10 percent to the north. Government property adjacent to the northern park boundary is predominantly level due to earlier borrow activity.

B. VEGETATION: The area has a predominant, dense hardwood cover with scattered pine standing throughout the site. Understory vegetation in the area is sparse due to heavy site use. In areas of little activity, understory vegetation is dense.

C. SITE USE / IMPACT CONCERNS:

1. In the day use picnic area, random roadways have been created due to placement of picnic sites close to the shoreline without defined access to the sites. Soils have been compacted and surface vegetation has been destroyed due to uncontrolled access. The site is severely eroded.

2. In the tent camping area, uncontrolled vehicle parking has compacted the soil and surface vegetation, and caused erosion problems. All sites require upgrading for continued use.

3. The roadway has a straight alignment onto the ramp down to the shoreline with no safeguard provided to prevent water entry by vehicles. Parking is surfaced but undefined.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the

estimated user needs in the year 2005. In addition to meeting future use needs, this area has the potential to be leased, operated, and maintained as a local municipal park due to the sites use potential and location. A description of these are as follows:

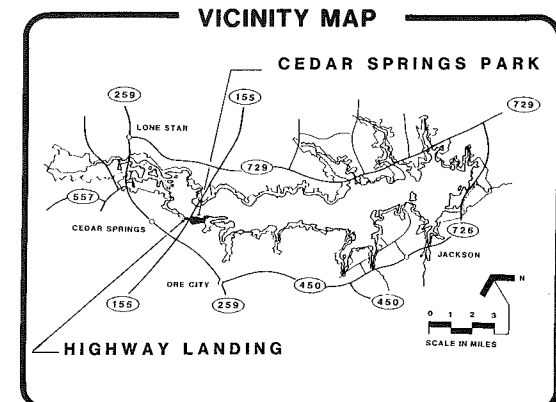
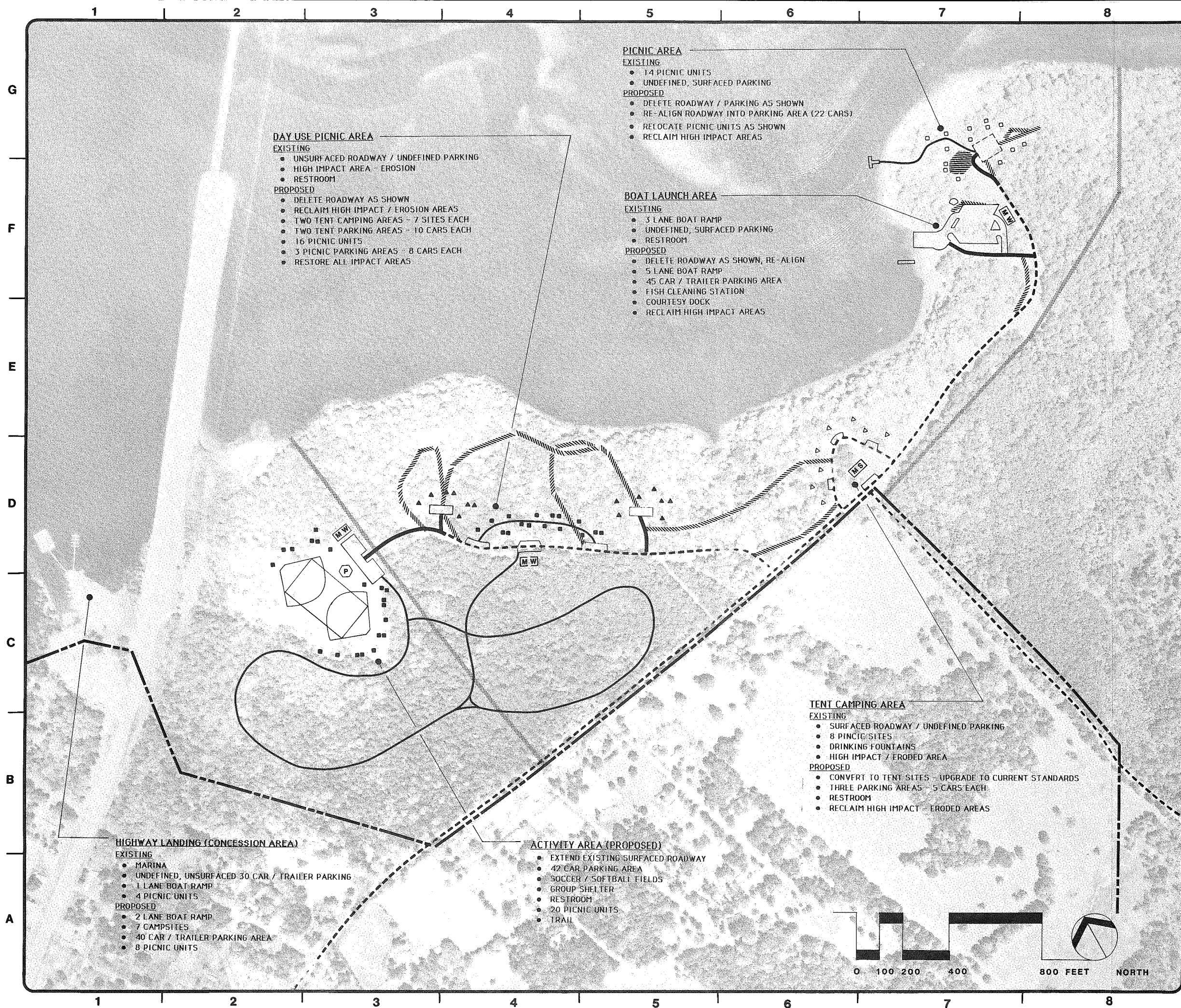
A. BOAT LAUNCH AREA: Realign the roadway to delete the existing split road entry. Upgrade the existing 3 lane ramp to 5 lanes to accommodate future needs. Provide a turn-around at the ramp to allow greater vehicle maneuverability. Provide a defined, surfaced 45 car/trailer parking area. Provide a fish cleaning station and a courtesy dock.

B. PICNIC AREAS: Install traffic barriers in picnic areas to prevent further vehicular access onto park land. Reclaim unsurfaced roads and restore them to natural conditions. Define proposed parking areas in both picnic sites. Extend the roadway and add cluster parking along both sides of the picnic areas. Provide 8 walk-in impact resistant tent under tent sites adjacent to each cluster parking area. Relocate all existing and proposed picnic units (16 total) to less sloping terrain and adjacent to the main park roadway. In the picnic area adjacent to the boat launch area, realign the existing roadway and define the existing surfaced parking area for 22 cars. Relocate the 14 existing picnic units along the bluff to take advantage of the aesthetically pleasing views. Provide a trail from the parking area to the proposed fishing pier at the base of the bluff. Reclaim all compacted and eroded areas back to its natural conditions.

C. TENT CAMPING AREA: Define cluster parking areas along the existing roadway and install barriers to prevent random vehicle access. Upgrade the 8 existing picnic sites to impact resistant tent sites as per Corps of Engineers standards. Provide a restroom.

D. PROPOSED ACTIVITY AREA: Expand the park to the west in the vicinity of the borrow area (34 acres), bringing the total park acreage to 82 acres. Prepare the site and develop the following facilities:

1. Extend the existing roadway and provide a surfaced, defined 42 car parking area.
2. Develop a multi-use softball/soccer area.
3. Provide 20 picnic units, a group shelter, and restroom facilities.
4. Develop a nature trail linking the activity area to the day use picnic area.



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- PROPOSED UNSURFACED ROAD
- EXISTING PARKING
- PROPOSED PARKING
- ROAD DELETION

BUILDINGS

- COMPOSTING TOILET
- FRAME VAULT TOILET
- FRAME WATERBORNE TOILET
- MASONRY VAULT TOILET
- MASONRY WATERBORNE TOILET
- MASONRY WATERBORNE WITH SHOWERS
- FEE CONTROL STATION
- EXISTING BUILDING
- PROPOSED BUILDING

MISCELLANEOUS

- PICNIC UNIT(E-EXISTING), (P-PROPOSED)
- TENT CAMPSITE(E-EXISTING), (P-PROPOSED)
- GROUP SHELTER(E-EXISTING), (P-PROPOSED)
- AMPHITHEATER
- PLAYGROUND
- FISHING PIER
- COURTESY DOCK
- TRAIL-(A) ACCESS, (H) HIKING, (W) WALKING
- (E) EQUESTRIAN, (I) INTERPRETIVE
- SANITARY DUMP STATION(E-EXISTING)
- (P-PROPOSED)
- FISH CLEANING STATION

PROJECT BOUNDARY

RECREATION SITE BOUNDARY

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

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS
CEDAR SPRINGS PARK
HIGHWAY LANDING

INVITATION NO. _____ DATE: _____
CONTRACT NO. _____ SHEET NO. _____
DRAWING NUMBER _____ 1 OF 1 6-13



SUNRISE COVE

6-21 SUNRISE COVE

I. GENERAL DESCRIPTION

- A. SIZE:** 10 acres.
- B. LOCATION / ACCESS:** The area is located on the southwestern portion of the lake with access approximately 1 1/2 miles east of Highway 450 and 2 1/2 miles from the junction of Highways 450 and 259.
- C. OPERATION:** The area is operated and maintained by a private concessionaire under a lease agreement with the Corps of Engineers.
- D. PARK USE:** The area serves as a privately operated recreation area, providing a 2 lane boat launch facility, fishing pier, 4 site camping area, 9 picnic areas, and a concession building.

II. SITE ANALYSIS

- A. TERRAIN:** The area is relatively level, with slopes ranging from 0-5 percent.
- B. VEGETATION:** The area adjacent to the boat ramp is an open space with a grass groundcover. The southern portion of the site consist of low density stands of mixed pine-hardwood cover with grass ground cover.
- C. SITE USE / IMPACT CONCERNS:**

1. The general condition of the site is good with some erosion problems and only slight compaction problems.

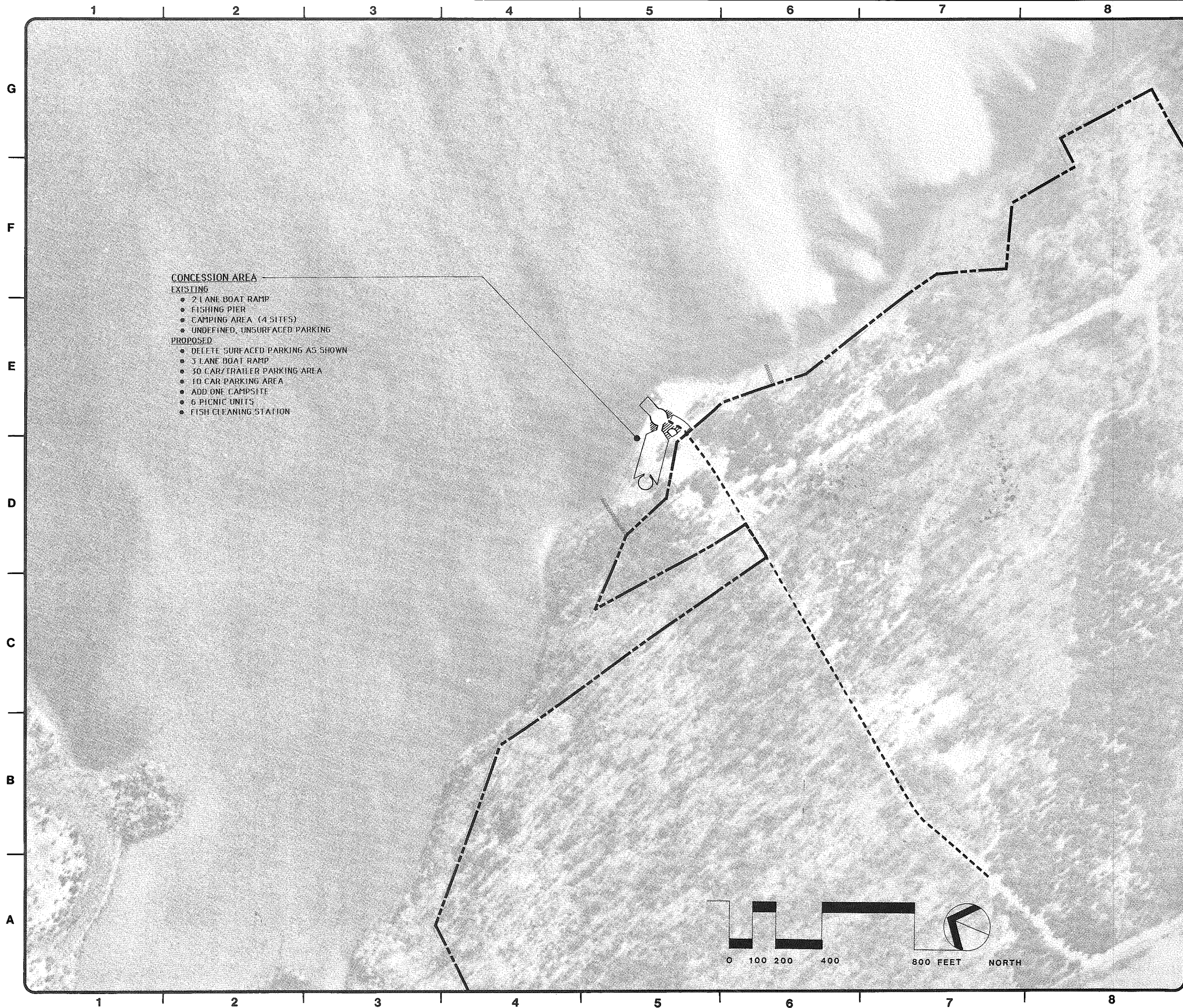
2. The roadway has a straight alignment to the ramp with no safeguard to slow vehicle approach to the lake. The parking area is surfaced but undefined.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

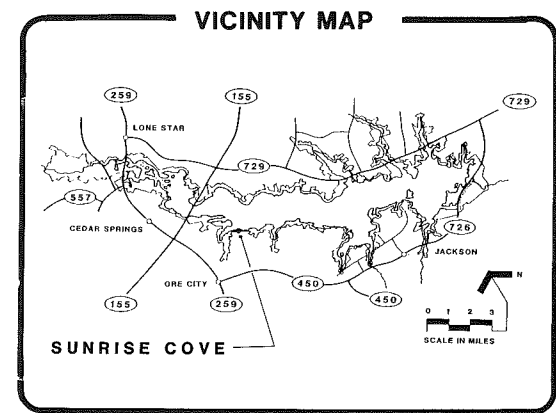
The following information is to provide a guideline as to the action required to enhance the current site features to meet the estimated user needs in the year 2005. A description of these features are as follows:

A. BOAT LAUNCH AREA: Realign the roadway to prevent straight line access to the ramp. Provide a turn-around for greater vehicle maneuverability. Provide a 30 car / trailer surfaced, defined parking area. Add a fish cleaning station.

B. SITE IMPROVEMENTS: Provide 10 car parking area. Add one extra campsite to the existing sites, and provide for a 6 unit picnic area. Reclaim all areas where asphalt is to be removed and restore areas where compaction and erosion occurs.



- CONCESSION AREA**
- EXISTING**
- 2 LANE BOAT RAMP
 - FISHING PIER
 - CAMPING AREA (4 SITES)
 - UNDEFINED, UNSURFACED PARKING
- PROPOSED**
- DELETE SURFACED PARKING AS SHOWN
 - 3 LANE BOAT RAMP
 - 50 CAR/TRAILER PARKING AREA
 - 10 CAR PARKING AREA
 - ADD ONE CAMPSITE
 - 6 PICNIC UNITS
 - FISH CLEANING STATION



- LEGEND**
- SYMBOLS**
- ROADS**
- EXISTING SURFACED ROADS
 - - - - EXISTING UNSURFACED ROAD
 - PROPOSED SURFACED ROAD
 - - - - PROPOSED UNSURFACED ROAD
 - [] EXISTING PARKING
 - [] PROPOSED PARKING
 - ||||| ROAD DELETION
- BUILDINGS**
- [CT] COMPOSTING TOILET
 - [FV] FRAME VAULT TOILET
 - [FW] FRAME WATERBORNE TOILET
 - [MV] MASONRY VAULT TOILET
 - [MW] MASONRY WATERBORNE TOILET
 - [MS] MASONRY WATERBORNE WITH SHOWERS
 - [FS] FEE CONTROL STATION
 - [] EXISTING BUILDING
 - [] PROPOSED BUILDING
- MISCELLANEOUS**
- [E] [P] PICNIC UNIT(E-EXISTING), (P-PROPOSED)
 - [E] [P] TENT CAMPSITE(E-EXISTING), (P-PROPOSED)
 - [E] [P] GROUP SHELTER(E-EXISTING), (P-PROPOSED)
 - [] AMPHITHEATER
 - [] PLAYGROUND
 - [] FISHING PIER
 - [] COURTESY DOCK
 - [] TRAIL-(A) ACCESS, (H) HIKING, (W) WALKING
 - [] (E) EQUESTRIAN, (I) INTERPRETIVE
 - [E] [P] SANITARY DUMP STATION(E-EXISTING), (P-PROPOSED)
 - [] FISH CLEANING STATION
- PROJECT BOUNDARY
- ||||| RECREATION SITE BOUNDARY

U. S. ARMY ENGINEER DISTRICT, FORT WORTH CORPS OF ENGINEERS FORT WORTH, TEXAS			
DESIGNED BY:	LAKE O' THE PINES CYPRESS RIVER, TEXAS		
DRAWN BY:	SUNRISE COVE		
REVIEWED BY:			
INVESTIGATION NO.	DATE:		
CONTRACT NO.	SHEET NO.	SEQUENCE NO.	
DRAWING NUMBER	1 OF 1	6-14	



PINE HILL PARK

6-22 PINE HILL PARK

I. GENERAL DESCRIPTION

A. SIZE: 38 acres.

B. LOCATION / ACCESS: The park is located on the southwest portion of the lake with access 2 miles east from the county road junction at Highway 450, 1 1/2 miles south of Ore City.

C. OPERATION: The park is operated and maintained by the Corps of Engineers.

D. PARK USE: The park was previously developed as a free use camping area with boat launching facilities but the camping area was closed down in the early 1980s as part of the Corps of Engineers park closure program. The 2 lane boat ramp is still available for the public use with free 24 hour access.

II. SITE ANALYSIS

A. TERRAIN: A level grade of 0-2 percent slope prevails on the majority of the site but a significant grade change (20-30 percent) occurs within 100 feet of shoreline. The steepest slopes occur along the northwestern portion of the shoreline and gradually decrease southward. Shoreline erosion problems exists along most of the shoreline.

B. VEGETATION: The area is a dense mix of pine-hardwood stands with hardwoods being predominant along the shoreline area. Understory vegetation is dense throughout much of the site.

C. SITE USE / IMPACT CONCERNS

1. In the boat launch area, the existing roadway alignment allows for straight vehicle access to the ramp with no safeguard to slow vehicle approach to the lake. There is no defined surfaced parking available and random parking is compacting and eroding existing turf areas.

2. Circulation within the closed portion of the park consists of narrow, one lane roadways unsuitable for future use.

3. The overall condition of the site is good due to the current low density use and the opportunity for natural re-vegetation to occur.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

A. **BOAT LAUNCH AREA:** Realign the roadway to prevent straight line access to shoreline and provide a turn-around to the existing ramp for greater vehicle maneuverability. Provide a 15 car / trailer defined, surfaced parking area.

B. **SITE IMPROVEMENTS:** During the master planning process citizen interest was expressed in establishing an equestrian camping area at some location on the lake. Pine Hill Park offers the greatest potential for this type of development for the following reasons: the area is isolated from other heavy recreational use sites therefore eliminating conflicts of use; the shoreline topography offers some of the finest, most aesthetically pleasing areas for a trail system; and enough Government land is available in both directions from the park site to provide a trail system of sufficient length to attract equestrian groups. It is recommended that Pine Hill Park be reopened for the establishment of a fee use/group equestrian campground area. The area would also be good for primitive camping for special groups like church's, Boy Scouts, etc.. The facilities needed to establish this area are as follows:

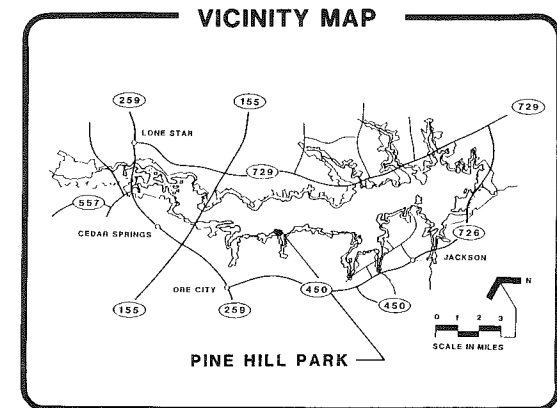
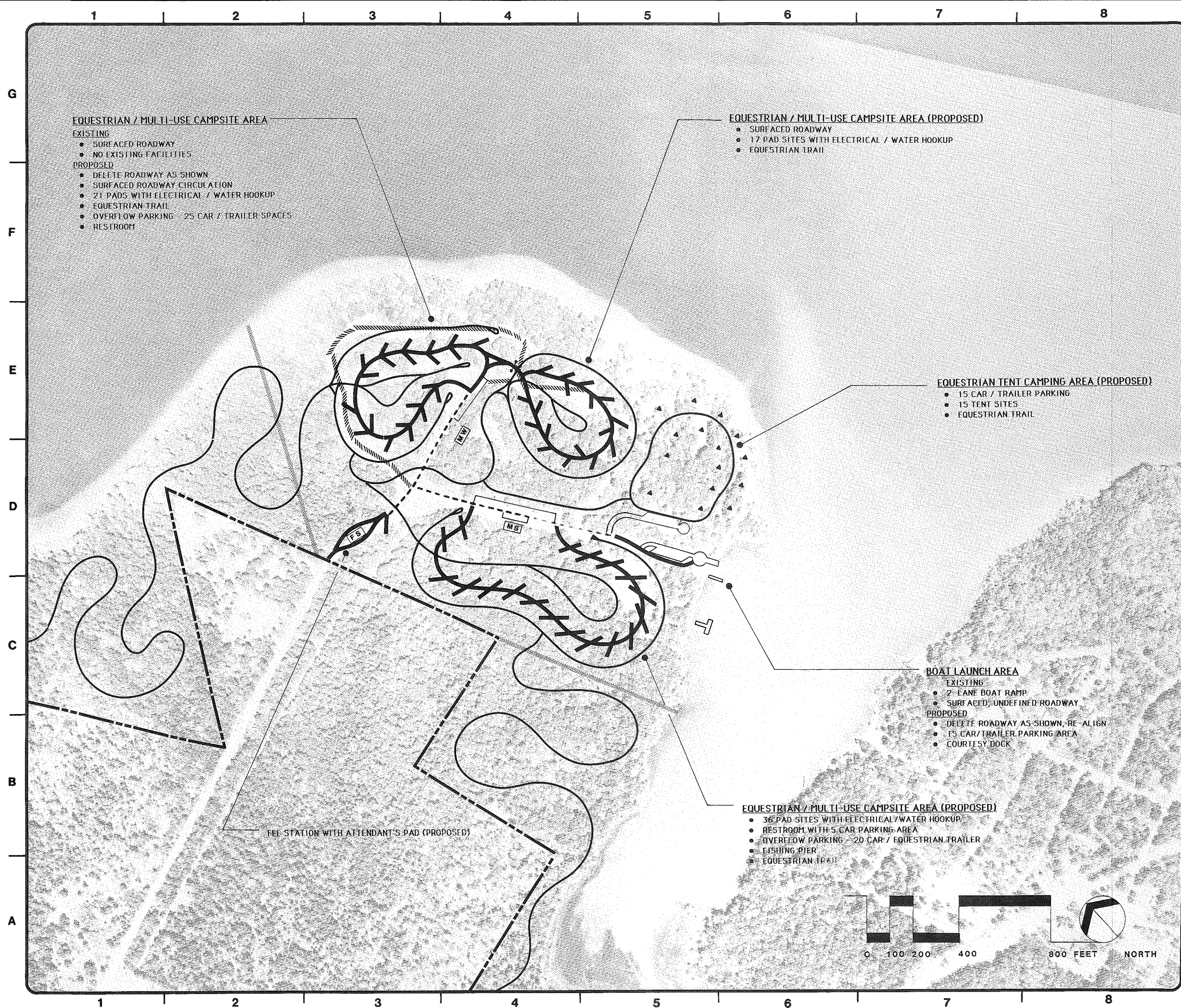
1. Three group multi-use camping areas, totaling 74 pad sites, complete with electrical/water hook-ups. Each camp site should have access to the main equestrian trail. Restroom facilities are to be provided for camping areas.

2. One group walk-in tent camping area with 15 tent pad sites.

3. Overflow car/equestrian trailer parking areas within each campground area.

4. A fishing pier.

5. Areas of erosion should be stabilized, and other non-use eroding areas within the site should be returned to natural conditions.



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- PROPOSED UNSURFACED ROAD
- EXISTING PARKING
- PROPOSED PARKING
- ROAD DELETION

BUILDINGS

- COMPOSTING TOILET
- FRAME VAULT TOILET
- FRAME WATERBORNE TOILET
- MASONRY VAULT TOILET
- MASONRY WATERBORNE TOILET
- MASONRY WATERBORNE WITH SHOWERS
- FEE CONTROL STATION
- EXISTING BUILDING
- PROPOSED BUILDING

MISCELLANEOUS

- PICNIC UNIT(E-EXISTING), (P-PROPOSED)
- TENT CAMPSITE(E-EXISTING),(P-PROPOSED)
- GROUP SHELTER(E-EXISTING),(P-PROPOSED)
- AMPHITHEATER
- PLAYGROUND
- FISHING PIER
- COURTESY DOCK
- TRAIL-(A) ACCESS,(H) HIKING,(W) WALKING
- (E) EQUESTRIAN,(I) INTERPRETIVE
- SANITARY DUMP STATION(E-EXISTING) (P-PROPOSED)
- FISH CLEANING STATION

PROJECT BOUNDARY

RECREATION SITE BOUNDARY

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

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS

PINE HILL PARK

INVITATION NO. _____ DATE: _____
CONTRACT NO. _____ SHEET NO. 1 OF 1 SEQUENCE NO. 6-15
DRAWING NUMBER _____



POP'S LANDING RAMP

6-23 POP'S LANDING RAMP

I. GENERAL DESCRIPTION

- A. SIZE:** 1 acre.
- B. LOCATION / ACCESS:** The site is located on the west central portion of the lake with access 2 1/2 miles east from the county road junction with Highway 450, 3 1/2 miles south of Ore City.
- C. OPERATION:** The site is maintained and operated by Marion County under a lease agreement with the Corps of Engineers.
- D. PARK USE:** The site is operated as a free 24 hour access 2 lane boat launch area.

II. SITE ANALYSIS

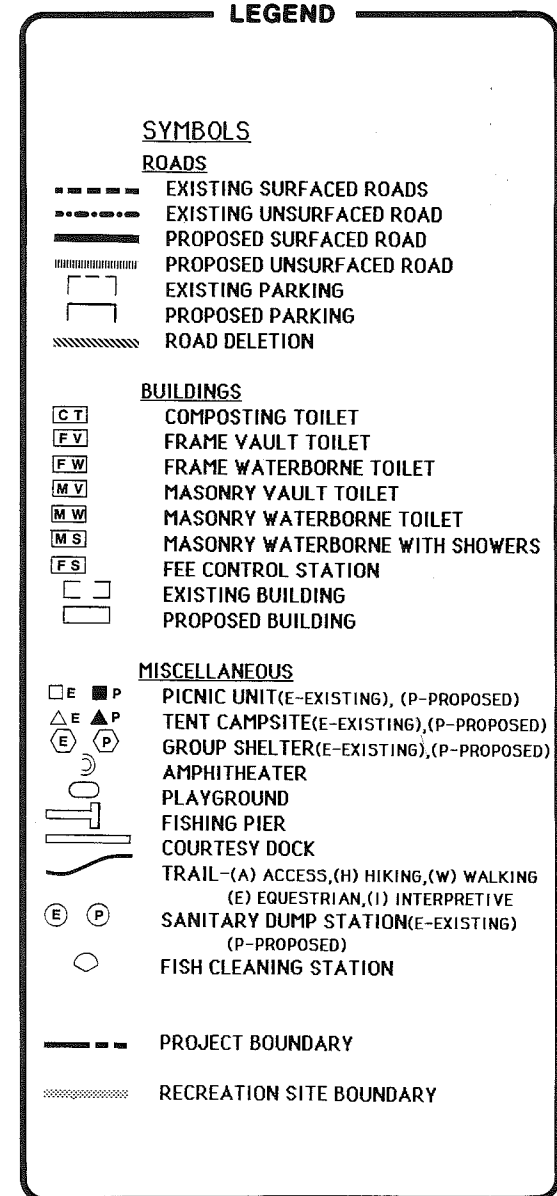
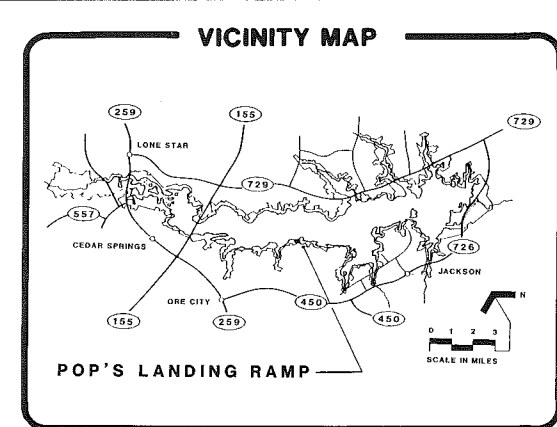
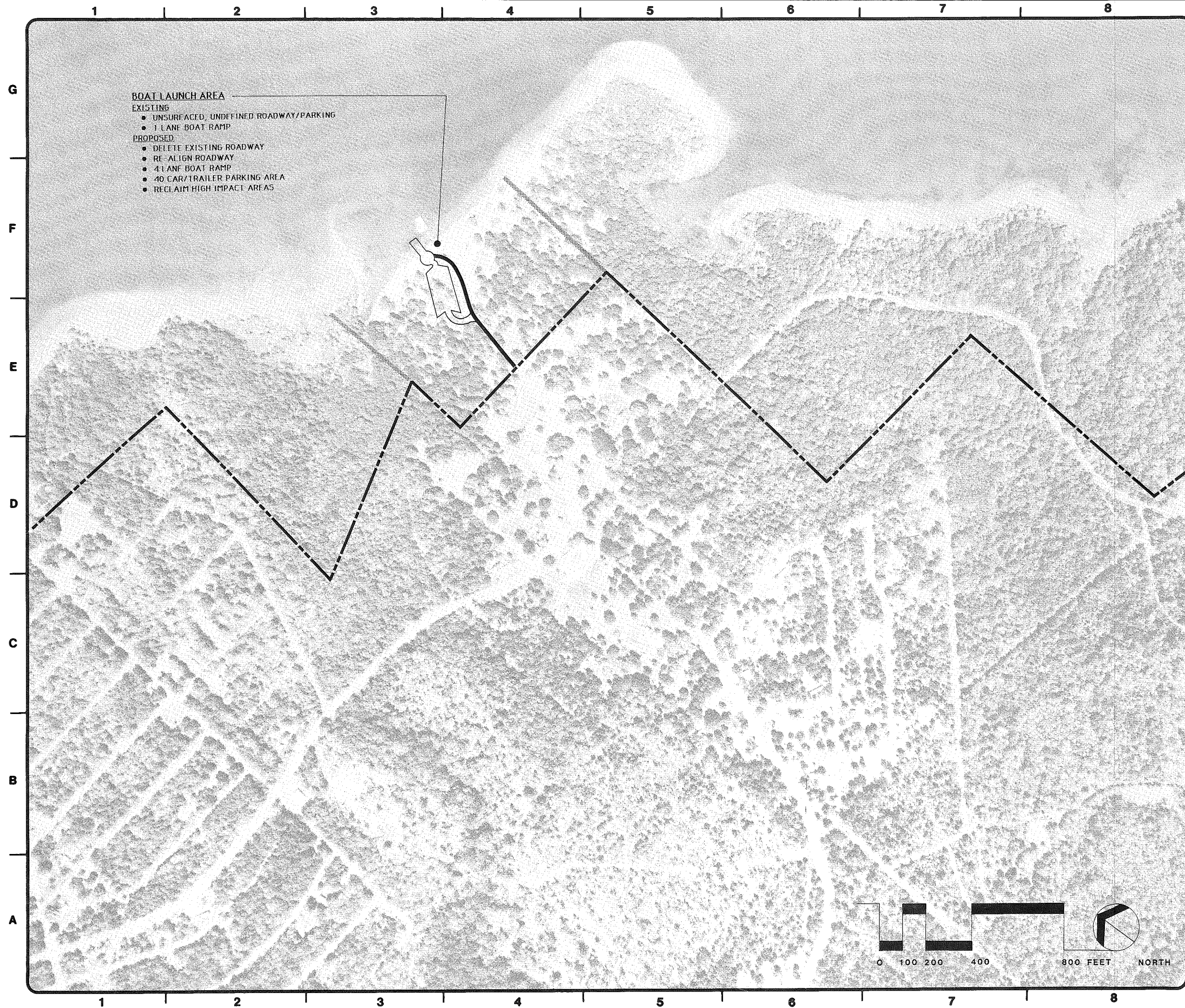
- A. TERRAIN:** The area is rolling hills which level out to a 1-3 percent slope toward the ramp area.
- B. VEGETATION:** A large portion of the site is covered with grasses in the flat area around the ramp. As elevations rise, mixed stands of pine-hardwood cover occur. Understory vegetation is dense.
- C. SITE USE / IMPACT CONCERNS:**

1. The roadway entry into the site is unimproved and in poor condition. There is no defined parking area and soil compaction and erosion problems exists due to random parking.
2. The roadway into the area has a straight alignment to the ramp with no safeguard to slow vehicle approach to the lake.

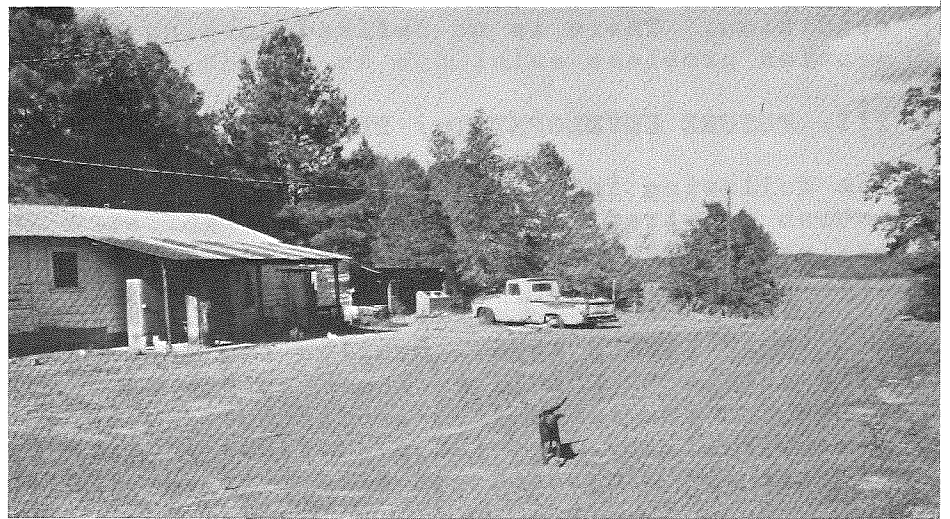
III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide as guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

- A. ROADWAY ALIGNMENT:** Realign the roadway to prevent straight line vehicle access to the lake.
- B. BOAT LAUNCH AREA:** Expand the existing 2 lane ramp to 4 lanes and provide a turn-around for greater vehicle maneuverability. Provide a surfaced 40 car/trailer parking area. Reclaim all areas previously surfaced. Restore all compacted and eroded areas to natural conditions.



U. S. ARMY ENGINEER DISTRICT, FORT WORTH CORPS OF ENGINEERS FORT WORTH, TEXAS			
DESIGNED BY:	LAKE O' THE PINES CYPRESS RIVER, TEXAS		
DRAWN BY:	POP'S LANDING RAMP		
REVIEWED BY:			
INVIATION NO.	DATE:		
CONTRACT NO.	SHEET NO.	SEQUENCE NO.	
DRAWING NUMBER	1 OF 1	6-16	



WOODIES RAMP

6-24 WOODIES RAMP

I. GENERAL DESCRIPTION

A. SIZE: 1 acre.

B. LOCATION / ACCESS: This site is located on the south central portion of the lake with access 1 mile north from the county road junction with Highway 726, 1 mile east of the intersection of Highways 726 and 450.

C. OPERATION: The site is maintained and operated by Marion County under a lease agreement with the Corps of Engineers.

D. PARK USE: The site is operated as a free 24 hour access 1 lane boat ramp.

II. SITE ANALYSIS

A. TERRAIN: The land is gently rolling, becoming level (1-3 percent) toward the ramp area.

B. VEGETATION: Grasses cover the level clearing surrounding the boat ramp. Mixed stands of pine-hardwood exist on the higher terrain.

C. SITE USE / IMPACT CONCERN:

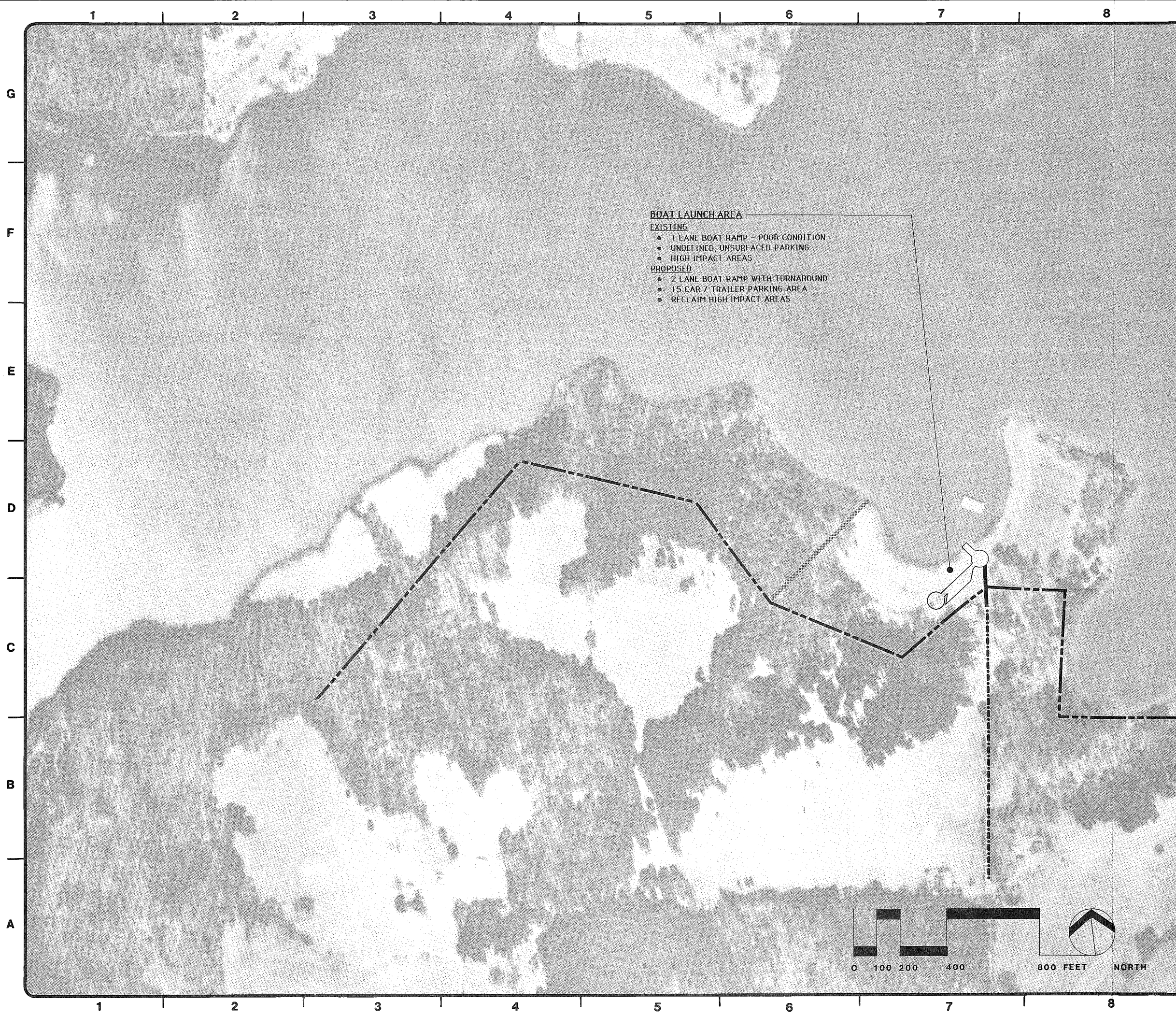
1. The roadway into the area has a straight alignment to the ramp with no safeguard to slow vehicle approach to the lake.

2. Roadway entry into the site is unimproved and in poor condition. There is no defined parking area and compaction and erosion problems exist due to random parking.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

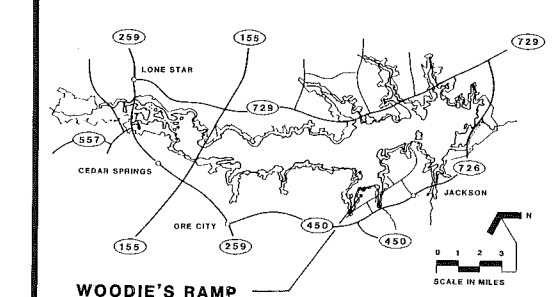
The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

BOAT LAUNCH AREA: Realign the roadway to prevent straight line access to the lake. Increase the existing 1 lane ramp to 2 lanes and provide a turn-around for greater vehicle maneuverability. Provide a surfaced 15 car/trailer parking area. Reclaim all compacted and eroded areas.



- BOAT LAUNCH AREA**
- EXISTING**
- 1 LANE BOAT RAMP - POOR CONDITION
 - UNDEFINED, UNSURFACED PARKING
 - HIGH IMPACT AREAS
- PROPOSED**
- 2 LANE BOAT RAMP WITH TURNAROUND
 - 15 CAR / TRAILER PARKING AREA
 - RECLAIM HIGH IMPACT AREAS

VICINITY MAP



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- .-.- EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- ||||| PROPOSED UNSURFACED ROAD
- EXISTING PARKING
- PROPOSED PARKING
- ||||| ROAD DELETION

BUILDINGS

- CT COMPOSTING TOILET
- FV FRAME VAULT TOILET
- FW FRAME WATERBORNE TOILET
- MV MASONRY VAULT TOILET
- MW MASONRY WATERBORNE TOILET
- MS MASONRY WATERBORNE WITH SHOWERS
- FS FEE CONTROL STATION
- EXISTING BUILDING
- PROPOSED BUILDING

MISCELLANEOUS

- E ■ P PICNIC UNIT (E-EXISTING), (P-PROPOSED)
- △ E ▲ P TENT CAMPSITE (E-EXISTING), (P-PROPOSED)
- E ○ P GROUP SHELTER (E-EXISTING), (P-PROPOSED)
- AMPHITHEATER
- PLAYGROUND
- FISHING PIER
- COURTESY DOCK
- TRAIL-(A) ACCESS, (H) HIKING, (W) WALKING
- (E) EQUESTRIAN, (I) INTERPRETIVE
- SANITARY DUMP STATION (E-EXISTING), (P-PROPOSED)
- FISH CLEANING STATION

- PROJECT BOUNDARY
- ||||| RECREATION SITE BOUNDARY

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

DESIGNED BY: _____
DRAWN BY: _____
REVIEWED BY: _____

LAKE O' THE PINES
CYPRESS RIVER, TEXAS

WOODIE'S RAMP

INVITATION NO.	DATE:
CONTRACT NO.	SHEET NO. SEQUENCE NO.
DRAWING NUMBER	1 OF 1 6-17



COPELAND CREEK PARK

6-25 COPELAND CREEK PARK

I. GENERAL DESCRIPTION

A. SIZE: 18 ACRES.

B. LOCATION / ACCESS: The site is located on the southeast portion of the lake with access 1 mile north of the town of Jackson, on Highway 726.

C. OPERATION: The park is operated and maintained by the Corps of Engineers.

D. PARK USE: The park serves as a free 24 hour access 2 lane boat ramp with surfaced, undefined parking.

II. SITE ANALYSIS

A. TERRAIN: The land area is steeply rolling with 20-30 percent slopes. There is an approximate 75-100 foot change in grade from the shoreline to the upper inland areas of the site.

B. VEGETATION: The site is heavily wooded with a dominant stand of hardwood and scattered stands of pine. The ground surface is covered by grasses.

C. SITE USE / IMPACT CONCERNS:

1. The general condition of the area is good with few compaction problems. There is a problem with shoreline erosion.

2. In the boat launch area, the existing roadway alignment allows for straight access to the ramp with no safeguard to slow vehicle approach to the lake. The existing surfaced parking area is in good condition but spaces are undefined.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

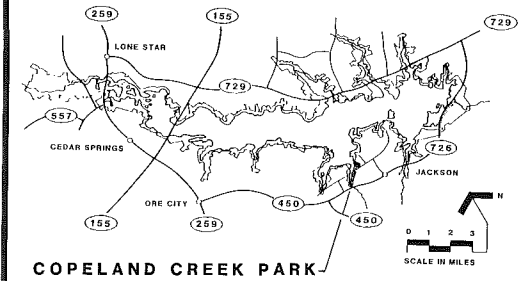
The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

BOAT LAUNCH AREA: Realign the roadway to prevent straight line access to the ramp. Provide a turn-around for greater vehicle maneuverability. Resurface and redefine the existing parking area for 20 car/trailer spaces. Reclaim previously surfaced areas and restore to natural conditions.



- BOAT LAUNCH AREA**
- EXISTING**
- 2 LANE BOAT RAMP
 - 10 CAR PARKING
 - 6 CAR / TRAILER PARKING
- PROPOSED**
- RE-ALIGN ROADWAY
 - PROVIDE TURNAROUND
 - 20 CAR / TRAILER PARKING

VICINITY MAP



LEGEND

SYMBOLS

ROADS

- EXISTING SURFACED ROADS
- - - EXISTING UNSURFACED ROAD
- PROPOSED SURFACED ROAD
- - - PROPOSED UNSURFACED ROAD
- [] EXISTING PARKING
- [] PROPOSED PARKING
- /// ROAD DELETION

BUILDINGS

- [CT] COMPOSTING TOILET
- [FV] FRAME VAULT TOILET
- [FW] FRAME WATERBORNE TOILET
- [MV] MASONRY VAULT TOILET
- [MW] MASONRY WATERBORNE TOILET
- [MS] MASONRY WATERBORNE WITH SHOWERS
- [FS] FEE CONTROL STATION
- [] EXISTING BUILDING
- [] PROPOSED BUILDING

MISCELLANEOUS

- [E] [P] PICNIC UNIT(E-EXISTING), (P-PROPOSED)
- [E] [P] TENT CAMPSITE(E-EXISTING), (P-PROPOSED)
- [E] [P] GROUP SHELTER(E-EXISTING), (P-PROPOSED)
- [] AMPHITHEATER
- [] PLAYGROUND
- [] FISHING PIER
- [] COURTESY DOCK
- [] TRAIL-(A) ACCESS, (H) HIKING, (W) WALKING
- [] (E) EQUESTRIAN, (I) INTERPRETIVE
- [E] [P] SANITARY DUMP STATION(E-EXISTING), (P-PROPOSED)
- [] FISH CLEANING STATION

--- PROJECT BOUNDARY

/// RECREATION SITE BOUNDARY

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

DESIGNED BY:

DRAWN BY:

REVIEWED BY:

LAKE O' THE PINES
CYPRESS RIVER, TEXAS
COPELAND CREEK PARK

INVITATION NO.

DATE:

CONTRACT NO.

SHEET NO. SEQUENCE NO.

DRAWING NUMBER

1 OF 1 6-18



ISLAND VIEW MARINA

6-26 ISLAND VIEW MARINA

I. GENERAL DESCRIPTION

- A. SIZE:** 13 acres.
- B. LOCATION / ACCESS:** The area is located on the southwestern portion of the lake, with access approximately 3 miles northeast of the town of Jackson, on Highway 726.
- C. OPERATION:** Island View Marina is currently operated and maintained by a private concessionaire under a lease agreement with the Corps of Engineers.
- D. PARK USE:** Island View Marina serves as a private marina / recreation area, providing docks for boat mooring, a 2 lane boat ramp, and a 5 site camping area. a bait shop and general store.

II. SITE ANALYSIS

- A. TERRAIN:** The marina area is at level grade with 0-2 percent slope.
- B. VEGETATION:** The marina area vegetation consists only scattered individual trees due to extensive development.
- C. SITE USE / IMPACT CONCERNS:**
The marina area is extensively developed with roadways and parking areas which are unsurfaced and undefined. Vehicle circulation and parking is random throughout the site. Surface compaction is severe.

III. FUTURE DEVELOPMENT / RESOURCE USE OBJECTIVES

The following information will provide guidelines about the action required to enhance the current site features and meet the estimated user needs in the year 2005. A description of these features follows:

ISLAND VIEW MARINA: Upgrade the existing 5 site camping area to 11 sites. Enhance the camping area by using vegetation to separate and visually screen other areas/activities occurring in the marina. Provide an 11 unit picnic site. Define all roadway/parking areas.