

Proposal

**Armada Systems Proposal
Design Build Criteria for Underwater Cleaning
Of Barton Springs, City of Austin
Aquatics Department**



Farhad Madani
Aquatic Program Manager
City of Austin
Austin Parks and Recreation
P.O. Box 1088
Austin, Texas 78767

Armada Systems is the world leader in underwater cleaning equipment. Armada's patented system is the only true environmentally safe cleaning system. This system utilizes tap water with no lubricates or additives, making this equipment the number one choice in Aquariums and Sea Parks. Armada Systems design build capabilities on site consultation, insures customers needs for unique cleaning solutions.

Armada Systems has a proven track record of on time delivery, customer satisfaction and reliable design. This system is environmentally safe and economically feasible.

Armada Systems design and manufacture underwater equipment for over 40 facilities worldwide. Example, facilities with sensitive marine life that requires daily cleaning includes, Monterey Bay Aquarium-Monterey, CA Living Seas/Epcot Center-Orlando, FL and Shedd Aquarium-Chicago, IL. Cleaning is accomplished with Armada Systems diver operated water powered cleaning equipment, without dropping or draining pools. Also without disturbing or relocating Marine Life.

After consulting with The City of Austin, Aquatics Dept. Staff, we purpose the following design build equipment for the underwater cleaning and maintenance of Barton Springs.

(2) AS W12 Hydro Heads

Diver operated cleaning heads that will except 8", 12" & 14" OD underwater cleaning brushes.

Each unit produces 3.5 HP

Equipped with diver on/off switch

Diver control buoyancy collar with underwater inflation connector and

Air bleed off valve

Stainless steel universal drive head with magna pattern brush attachment

Coated bright yellow in color for visibility and corrosion resistance.

Unit is constructed using aluminum, stainless steel and titanium.

#1 Vacuum/Shroud Assembly

Maximum brush diameter is 12" OD when using vacuum/shroud

Contour conforming skirt assembly

2" Vacuum/Hose attachment point aids in 98% recovery of dislodged algae and debris up to 1.5" in diameter

Diver controlled variable suction flow control

Constructed of marine grade aluminum coated yellow in color

#2 Vacuum/Shroud Assembly

Vacuum/Shroud assembly is to be constructed with a design build walk behind handle assembly.

This attachment can be removed for regular cleaning application

This attachment is designed for a diver to walk behind in an upright position

For cleaning in water of 4 Ft. in depth or less

This expedites cleaning in shallow areas and can be accomplished by non-diver personnel

Diver control on/off switch and pressure gauge

Diver control buoyancy compensator

(1) Design build tool-Hydro Pressure Water Jetting Tool

Designed for deep indentations with 90% recovery of dislodged algae and sediment material.

4" Vacuum/Shroud assembly with rotor jet head

Diver control trigger assembly

2" Vacuum/Hose hookup connection

(1) Design build tool-Deep Crevice Tool

Designed for cleaning deep crevices or ledge areas.

(1) Design build tool-Rolling Vac Head Assembly Diver Operated

Designed for pre-cleaning of heavy sediment deposits after heavy rains or flood.

(12) Underwater Cleaning Brushes 12" OD

Brush material to be determined by Aquatics staff before delivery.

Number 1 Cart Assembly (See Blueprint)

The following equipment will be mounted on design build cart assembly.

Lockable storage area to house Hydro Heads, Brushes and Spare Parts.

Tow Hitch

Oversized wheels for unimproved terrain-Max. cart speed 10 MPH

(2) Commercial Continuous Duty High Pressure Water Pumps to power AS W12 Hydro Heads.

Pumps are equipped with liquid fill PSI gauge and thermo relief valve

(2) 5 HP Commercial continuous duty electric motors O.D.P.

3 phase 460 volts 20 Amp intergraded ground fault circuit breaker (GFI)

All electrical connections are fitted with water tight connectors.

(2) High Pressure Hose Reels

(2) 150 Ft. 3/8" Hydro Hoses with stainless steel ends and marine brass Quik Disconnects (QD)

(2) Pre-Water Filters -10 Micron Absolute Filter with acrylic housing and differential liquid fill pressure gauges

(2) 100 Ft. Power Cords with water tight lock connectors

*Diving Compressor

(1) Diving Compressor mounted on top of cart with protective cover
(See Blueprint)

3 Phase electric motor 460 volts with intergraded Ground Fault Circuit Breaker (GFI) All connections are water tight

Produces 4 CFM @ 115 PSI breathable air 100% oil-less

9 Gallon stainless steel Volume Tank with safety check valve and air gauge

(2) 150 Ft. Surface Supplied Dive Hose connected to hose reels

(2) Commercial Twin Shoulder Style Harnesses

(2) Full Face Mask

(2) Second Stage Regulators

(2) BC Hose Whip Connectors (Vest not included)

(1) 100 Ft. Power Cable with water tight twist lock connectors

Number 2 Cart Assembly for Trash Pump

Trash Pump powered by 10 HP 3 Phase 460 volts 20 AMPs, Electric Motor O. D. P.

4" Trash Pump mounted and intergraded with Ground Fault Circuit Breaker (GFI) assembly all connections are water tight

100 Ft. Power Cable with water tight twist lock connectors

(8) 50 Ft. 2" Suction Hoses

(2) 100 Ft. 4" Discharge Hoses

(1) "T" Valve Assembly for using 2 Vacuum/Shroud Assemblies

*Spare Parts

- (1) Regulator
- (1) Face Mask
- (2) Face Mask Spider Tightening Assemblies
- (4) Pre Pump Water Filters-10 Micron
- (4) Water Filter Gasket Assemblies for water filter housing
- (2) Pressure and Suction Liquid Fill Gauges
- (2) High Pressure Liquid Fill PSI Gauges
- (2) Dive Hose Splice Kits
- (1) Dive Compressor Unloader Valve
- (12) Male Stainless Steel QD's Hose Connectors
- (12) Female Brass QD's Hose Connectors
- (12) Male Brass Hose Connectors
- (2) Bronze Check Valve Assemblies for case drain on cleaning heads
- (1) Unloader Pump Assembly for high pressure pump
- (1) Marine Male Electric Cord Connector for High Pressure Pump
- (1) Marine Male Connector for Dive Compressor
- (1) Marine Male Connector for Trash Pump
- Assortment of wrenches required in maintenance tasks

(2) Operational Manuals

1 Case High Pressure Pump Lubricating Oil (12 Quarts)

It is the responsibility of The City of Austin , Aquatics Dept. for the distribution of power to all desired working locations. To install water tight distribution boxes that would contain outlets for power distribution to the various cleaning equipment. Plug type will be specified by Armada Systems, but not furnished.

FOB (Freight Out Bound) Mary Esther, Fl

\$46,767.00

Warranty: 90 Days Parts & Labor

Some components maybe covered by original manufactures warranty, ie. electric motors, switches and etc.

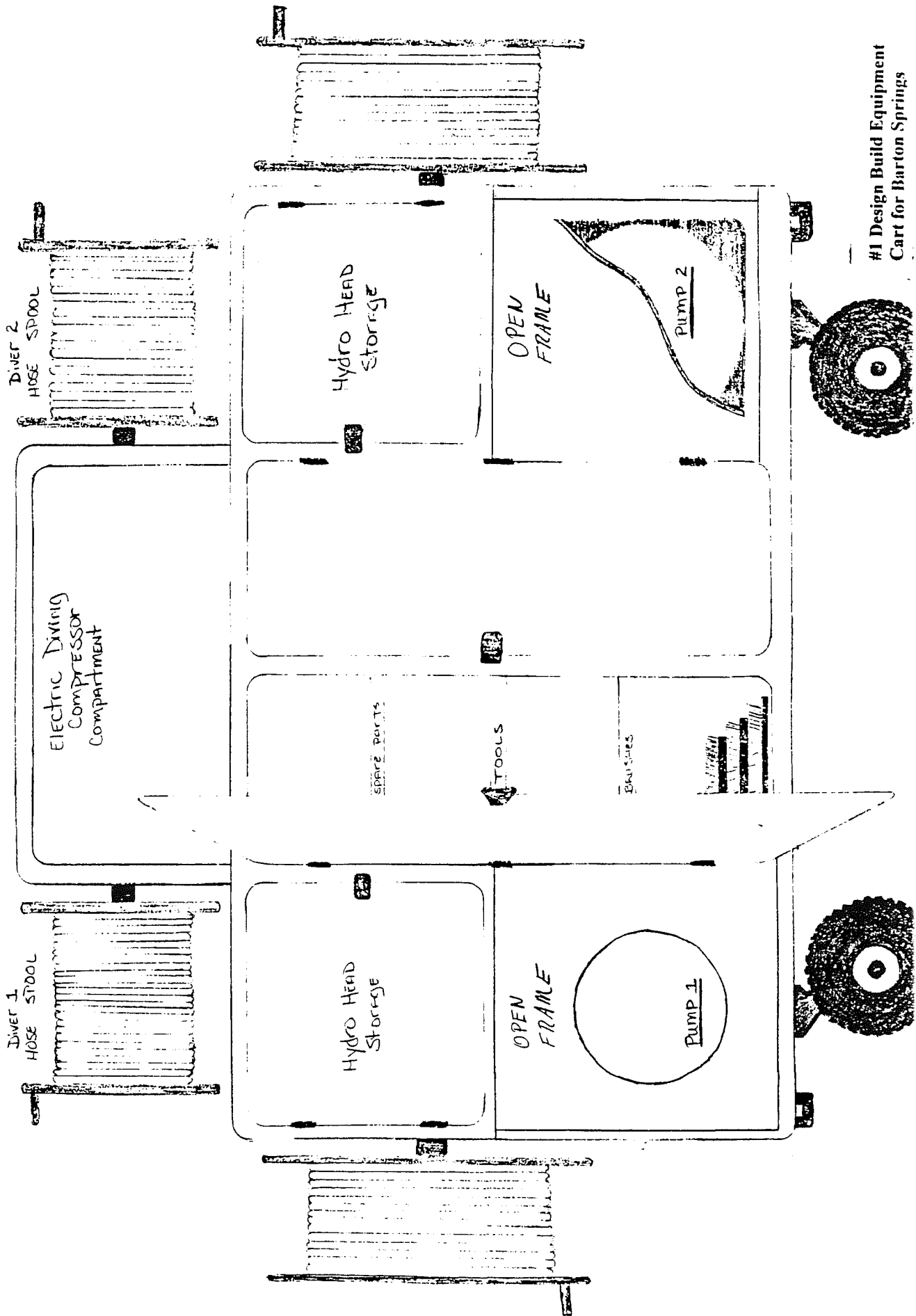
Armada's obligations under this warranty are limited to the repair of or Replacement of materials, at Armada's option. This warranty shall not Cover defects which are the result of misuse, negligence, accident, repair Or alterations.

Extended warranty to 12 months
(\$306.66 per month)

\$3,680.00

3 Day on site set up, operation , maintenance
procedures and delivery of equipment to City of Austin,
Barton Springs. Austin, Texas

\$1,837.00



#1 Design Build Equipment
Cart for Barton Springs



MEMORANDUM

To: Parks and Recreation Board

From: Jesus M. Olivares, Director
Parks and Recreation Department

Date: February 9, 1999

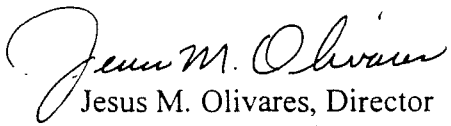
Subject: Construction of Leonard Boat dock and Deck at 2801 River Hills Dr.
File No. SP-99-0023DS

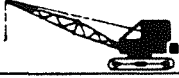
A request has been received from Signor Enterprises on behalf of Laura Leonard to construct a boat dock and deck at 2801 River Hills Dr. on Lake Austin.

The Parks and Recreation Department (PARD) staff has reviewed plans for the proposed project and finds they meet the requirements of Article VI, Part E, (Requirements for the Construction of Boat Docks) of the Land Development Code.

RECOMMENDATION:

I recommend approval of the above request as detailed in the attached site plan.


Jesus M. Olivares, Director
Parks and Recreation Department



Signor Enterprises, Inc.

512) 264-8300

Fax: 512) 264-8301

17912A Hamilton Pool Road, Austin, Texas 78738

Date: December 6, 1998
To: City of Austin
From: Signor Enterprises Inc.
Subject: Summary letter for the Leonard Laura Trustee boatdock at 2801 River Hills Road.

This project is in the Lake Austin Watershed as the average lake level at the proposed location is 492.8.

No impervious cover is to be proposed.

All of the project will be constructed by a barge based crain and pile driver, so no trees will be cleared.

The construction process will be: first the pre-constructoin meeting, then the steel pilings are painted with Red Iron Prime #P524, then driven, the lower boathouse deck and side deck will be built then the roof structure and Navigation lights will be installed

Thank you,

Terry Holley,
Office Manager

cc: file

Small Project Determination

Department of Development Review and Inspection

Address: 2801 River Hills Road

Owner: Leonard Laura Trustee

Project Description/Activity: Boatdock

(If the above project description is not accurate, upon staff field review, this determination may be voided.)

Reviewer: _____

It appears that the construction activity at the above address fits the following small project criteria as defined in Section 13-1-604 (a) (1) through (9) of the Land Development Code (LDC). Compliance would be under Section 13-1-604 (a) (____).

Program Manager: _____

- () It appears that the construction activity at the above address qualifies as a minor site activity as authorized under Section 13-1-604 (a) (10) of the LDC.
- () It appears that the following submittal requirement (s) is/are not essential to demonstrate compliance with the LDC as authorized under Section 13-1-604 (b).

Department of Development Review and Inspection:

DETERMINATION FORM FOR APPLICABLE REGULATIONS

(Under Ordinance # 970905-A)

This completed form must accompany all subdivision and site plan application submittals.

DEPARTMENTAL USE ONLY

File # Assigned: SP-99-002305 Date Filed: 01/20/99

First Application Filing Date: _____ File #: _____

Staff Signature: _____ Decision Date: _____

Comments: Shain

Project Name on Application: Leonard Laura Boutdock

Application Type: ☐ Subdivision ☒ Site plan

Project Address / Location: 2801 River Hills Rd.

Legal Description: Lot 1, Block A, River Terrace III

Proposed Land Use (in acres): _____ Total acres 1794 ID

Single Family/Duplex _____ MF/Townhouse/Condo _____ Office _____

Commercial _____ Industrial/R&D _____ Other (specify) _____

Located in: ☒ Drinking Water Protection Zone (DWPZ) ☐ Desired Development Zone (DDZ)

Watershed(s): LAKE AUSTIN Classification(s): RURAL

If more than one Classification, give acreage in each Classification.

Submitted under Watershed Ordinance: _____

SECTION I. DECLARATIONS Check one in this Section.

☒ A. The attached application is to be reviewed under current regulations.

☐ B. The attached application will voluntarily comply with current regulations as a non-exempt project pursuant to PART 10 of Ordinance # 970905-A. Accompanying this application is the withdrawal of the previously approved application: _____ (No filing fee, excluding notice and inspection fees, is required.)

File #: _____ Filing Date: _____ Approval Date: _____

☐ C. The attached application is subject to a Council approved agreement under Part 15(B) of Ord. # 970905-A. NOTE: Council approved Site Plans approved prior to 1/1/88 may be subject to Section 13-1-615(b)(2).

File #: _____ Filing Date: _____ Approval Date: _____

If A, B, or C is checked above, then proceed to signature block.

☐ D. The attached application is to be reviewed under the original regulations applied to the First Application for a subdivision or site plan:

File #: _____ Filing Date: _____ Approval Date: _____

If D is checked above, then proceed to Section II.

(continued on 2)

SECTION II. ONE-YEAR GRACE PERIOD EXCEPTIONS under Part 5., Ord. # 950905-A. (Building Permit must be approved and/or NOC filed before 9/6/98.)

- ☐ A. In DWPZ, First Application was filed before 9/1/87, excluding small projects and non-profit corporations.
- ☐ B. In DWPZ & DDZ, First Application was filed on or after 9/1/87 and before 9/6/97, and was exempt under Section 13-2-502 of the City Code.

If A or B is checked above in Section II, at least one box below must be checked to show that the project has:

- ☐ 1. had approval(s) of final subdivision plat(s) (including construction plans) for at least 50% of the land area within the project between 9/1/92 and 9/6/97.
- ☐ 2. had site plan approval(s) for at least 30% of the land area within the project between 9/1/92 and 9/6/97.
- ☐ 3. since 9/1/92 had costs for development of at least 10% of the current appraised value, or at least \$1 million, excluding land, taxes, interest, attorney's fees, and allocated corporate overhead.

SECTION III. EXCEPTIONS TO THE GENERAL RULES under Part 6., Ord. # 950905-A. Check one box in this section only if the application does not fall into SECTION II.A. or II.B. categories above:

This application is for a project within the DWPZ and:

- ☐ A. is a single family subdivision with First Application filed on or after 9/1/87 and before 9/6/97 with no Section 13-2-502 exemption. (Notice of Construction (NOC) must be filed before 9/6/99.)
- ☐ B. is other than a single family subdivision with First Application filed on or after 9/1/87 and before 9/6/97 with no Section 13-2-502 exemption. (Site Plan must be approved before 9/6/98, & Building Permit must be approved and/or NOC filed before 9/6/99.)
- ☐ C. is a Small Project (as defined in Ord. # 970905-A), or is owned by a non-profit corporation for which a First Application was filed before 9/6/97. (Building Permit must be approved and/or NOC filed before 9/6/2000.)
- ☐ D. First Application was filed on or after 9/6/97. (Building Permit must be approved and/or NOC filed within 3 years of First Application filing date.)

This application is for a project within the DDZ and:

- ☐ E. First Application was filed before 9/1/87. (Building Permit must be approved and/or NOC filed before 9/6/99.)
- ☐ F. First Application was filed on or after 9/1/87 and before 9/6/97. (Building Permit must be approved and/or NOC filed before 9/6/2002.)
- ☐ G. First Application was filed on or after 9/6/97. (Building Permit must be approved and/or NOC filed within 5 years of First Application filing date.)

Attach to a summary letter all documentation necessary to support any claim on this form to the exemptions within, or the non-applicability of, Ordinance # 970905-A, including, but not limited to, a complete application history from the FIRST APPLICATION to the present, with copies of the APPROVED FIRST APPLICATION and subsequent application approvals, or if applicable, a copy of the approved site plan approved before 9/6/97 or of the Council approved agreement.

Signature of Property Owner or Agent: Terry Holley

Date: 1/6/99

Printed Name Terry Holley

Phone: 264-8300

Fax: 264-8301

File # Assigned _____



MEMORANDUM

To: Parks and Recreation Board

From: Jesus M. Olivares, Director
Parks and Recreation Department

Date: February 9, 1999

Subject: Construction of Swisher Boat dock at 1216 Bruton Springs Rd.
File No. SP-99-0022DS.

A request has been received from Signor Enterprises on behalf of Richard Swisher to construct a boat dock at 1216 Bruton Springs Rd.

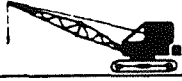
The Parks and Recreation Department (PARC) staff has reviewed plans for the proposed project and finds they meet the requirements of Article VI, Part E, (Requirements for the Construction of Boat Docks) of the Land Development Code.

RECOMMENDATION:

I recommend approval of the above request as detailed in the attached site plan.

A handwritten signature in cursive script that reads "Jesus M. Olivares".

Jesus M. Olivares, Director
Parks and Recreation Department



Signor Enterprises, Inc.

512) 264-8300

Fax: 512) 264-8301

17912A Hamilton Pool Road, Austin, Texas 78738

Date: December 6, 1998
To: City of Austin
From: Signor Enterprises Inc.
Subject: Summary letter for the R. Swisher boatdock at 1216 Bruton Springs Road.

This project is in the Lake Austin Watershed as the average lake level at the proposed location is 492.8.

No impervious cover is to be proposed.

All of the project will be constructed by a barge based crane and pile driver, so no trees will be cleared.

The construction process will be: first the pre-construction meeting, then the steel pilings are painted with Red Iron Prime #P524, then driven, the lower boathouse deck and side deck will be built then the roof structure and Navigation lights will be installed

Thank you,

Terry Holley,
Office Manager

cc: file

DETERMINATION FORM FOR APPLICABLE REGULATIONS

(Under Ordinance # 970905-A)

This completed form must accompany all subdivision and site plan application submittals.

DEPARTMENTAL USE ONLY

File # Assigned: SP-99-002205 Date Filed: 01/20/99
First Application Filing Date: _____ File #: _____
Staff Signature: _____ Decision Date: _____
Comments: SP

Project Name on Application: R. Scott Swisher Dock
Application Type: ☐ Subdivision ☒ Site plan
Project Address / Location: 1216 Bruton Springs Rd.
Legal Description: Lot. 18, Bruton Springs Subdivision
Proposed Land Use (in acres): _____ Total acres 600 ☒
Single Family/Duplex _____ MF/Townhouse/Condo _____ Office _____
Commercial _____ Industrial/R&D _____ Other (specify) Boat dock
Located in: ☒ Drinking Water Protection Zone (DWPZ) ☐ Desired Development Zone (DDZ)
Watershed(s): LAKE AUSTIN Classification(s): RURAL
If more than one Classification, give acreage in each Classification.

Submitted under Watershed Ordinance: _____

SECTION I. DECLARATIONS Check one in this Section.

- ☒ A. The attached application is to be reviewed under current regulations.
- ☐ B. The attached application will voluntarily comply with current regulations as a non-exempt project pursuant to PART 10 of Ordinance # 970905-A. Accompanying this application is the withdrawal of the previously approved application: _____ (No filing fee, excluding notice and inspection fees, is required.)
File #: _____ Filing Date: _____ Approval Date: _____
- ☐ C. The attached application is subject to a Council approved agreement under Part 15(B) of Ord. # 970905-A.
NOTE: Council approved Site Plans approved prior to 1/1/88 may be subject to Section 13-1-615(b)(2).
File #: _____ Filing Date: _____ Approval Date: _____

If A, B, or C is checked above, then proceed to signature block.

- ☐ D. The attached application is to be reviewed under the original regulations applied to the First Application for a subdivision or site plan:
File #: _____ Filing Date: _____ Approval Date: _____

If D is checked above, then proceed to Section II.

(continued on 2)

SECTION II. ONE-YEAR GRACE PERIOD EXCEPTIONS under Part 6., Ord. # 950905-A. (Building Permit must be approved and/or NOC filed before 9/6/98.)

- ☐ A. In DWPZ, First Application was filed before 9/1/87, excluding small projects and non-profit corporations.
- ☐ B. In DWPZ & DDZ, First Application was filed on or after 9/1/87 and before 9/6/97, and was exempt under Section 13-2-502 of the City Code.

If A or B is checked above in Section II, at least one box below must be checked to show that the project has:

- ☐ 1. had approval(s) of final subdivision plat(s) (including construction plans) for at least 50% of the land area within the project between 9/1/92 and 9/6/97.
- ☐ 2. had site plan approval(s) for at least 30% of the land area within the project between 9/1/92 and 9/6/97.
- ☐ 3. since 9/1/92 had costs for development of at least 10% of the current appraised value, or at least \$1 million, excluding land, taxes, interest, attorney's fees, and allocated corporate overhead.

SECTION III. EXCEPTIONS TO THE GENERAL RULES under Part 6., Ord. # 950905-A. Check one box in this section only if the application does not fall into SECTION II.A. or II.B. categories above:

This application is for a project within the DWPZ and:

- ☐ A. is a single family subdivision with First Application filed on or after 9/1/87 and before 9/6/97 with no Section 13-2-502 exemption. (Notice of Construction (NOC) must be filed before 9/6/99.)
- ☐ B. is other than a single family subdivision with First Application filed on or after 9/1/87 and before 9/6/97 with no Section 13-2-502 exemption. (Site Plan must be approved before 9/6/98, & Building Permit must be approved and/or NOC filed before 9/6/99.)
- ☐ C. is a Small Project (as defined in Ord. # 970905-A), or is owned by a non-profit corporation for which a First Application was filed before 9/6/97. (Building Permit must be approved and/or NOC filed before 9/6/2000.)
- ☐ D. First Application was filed on or after 9/6/97. (Building Permit must be approved and/or NOC filed within 3 years of First Application filing date.)

This application is for a project within the DDZ and:

- ☐ E. First Application was filed before 9/1/87. (Building Permit must be approved and/or NOC filed before 9/6/99.)
- ☐ F. First Application was filed on or after 9/1/87 and before 9/6/97. (Building Permit must be approved and/or NOC filed before 9/6/2002.)
- ☐ G. First Application was filed on or after 9/6/97. (Building Permit must be approved and/or NOC filed within 5 years of First Application filing date.)

Attach to a summary letter all documentation necessary to support any claim on this form to the exemptions within, or the non-applicability of, Ordinance # 970905-A, including, but not limited to, a complete application history from the FIRST APPLICATION to the present, with copies of the APPROVED FIRST APPLICATION and subsequent application approvals, or if applicable, a copy of the approved site plan approved before 9/6/97 or of the Council approved agreement.

Signature of Property Owner or Agent: Terry D. Holley Date: 1/6/99
Printed Name Terry Holley Phone 264-8300 Fax: 264-8301
File # Assigned _____



MEMORANDUM

To: Parks and Recreation Board

From: Jesus M. Olivares, Director
Parks and Recreation Department

Date: February 9, 1999

Subject: Construction of Furgerson Boat dock and Deck at 3011 Brass Buttons Trl.
Drive File No. SP-99-0024DS

A request has been received from Dennis Furgerson to construct a boat dock and deck at 3011 Brass Buttons Trl. on Lake Austin.

The Parks and Recreation Department (PARC) staff has reviewed plans for the proposed project and finds they meet the requirements of Article VI, Part E, (Requirements for the Construction of Boat Docks) of the Land Development Code.

RECOMMENDATION:

I recommend approval of the above request as detailed in the attached site plan.

Jesus M. Olivares, Director
Parks and Recreation Department

D I S T R I B U T I O N M E M O R A N D U M 22-JAN-1999

TO:
FROM: SITE PLAN REVIEW DIVISION
SUBJECT: DEVELOPMENT PERMIT ONLY

COMMENT DUE DATE: 27-JAN-1999

SP-99-0024DS

PROJECT: FURGERSON BOAT DOCK

3011 BRASS BUTTONS TRL

CASE MANAGER: PERRYMAN, DON 499-2786

APPLICATION DATE: 20-JAN-1999

ZIP: 78734 LIM. PURPOSE
WATERSHED: Lake Austin RURAL WATER SUPPLY SUBJ TO COMP WATERSHED ORD

OWNER: FURGERSON, DENNIS
3011 BRASS BUTTON TRAIL AUSTIN, TX 78734
CONTACT: DENNIS FURGERSON (512)266-1503

SITE PLAN AREA: 0.014 ACRES (625 SQ FT)
UTILITY OR STORM SEWER LENGTH: 0 LINEAR FEET

EXISTING ZONING: N/A
EXISTING USE: VACANT

TRACT	ACRES/SQ FT	PROPOSED USE
	0.014/ 625	BOAT DOCK

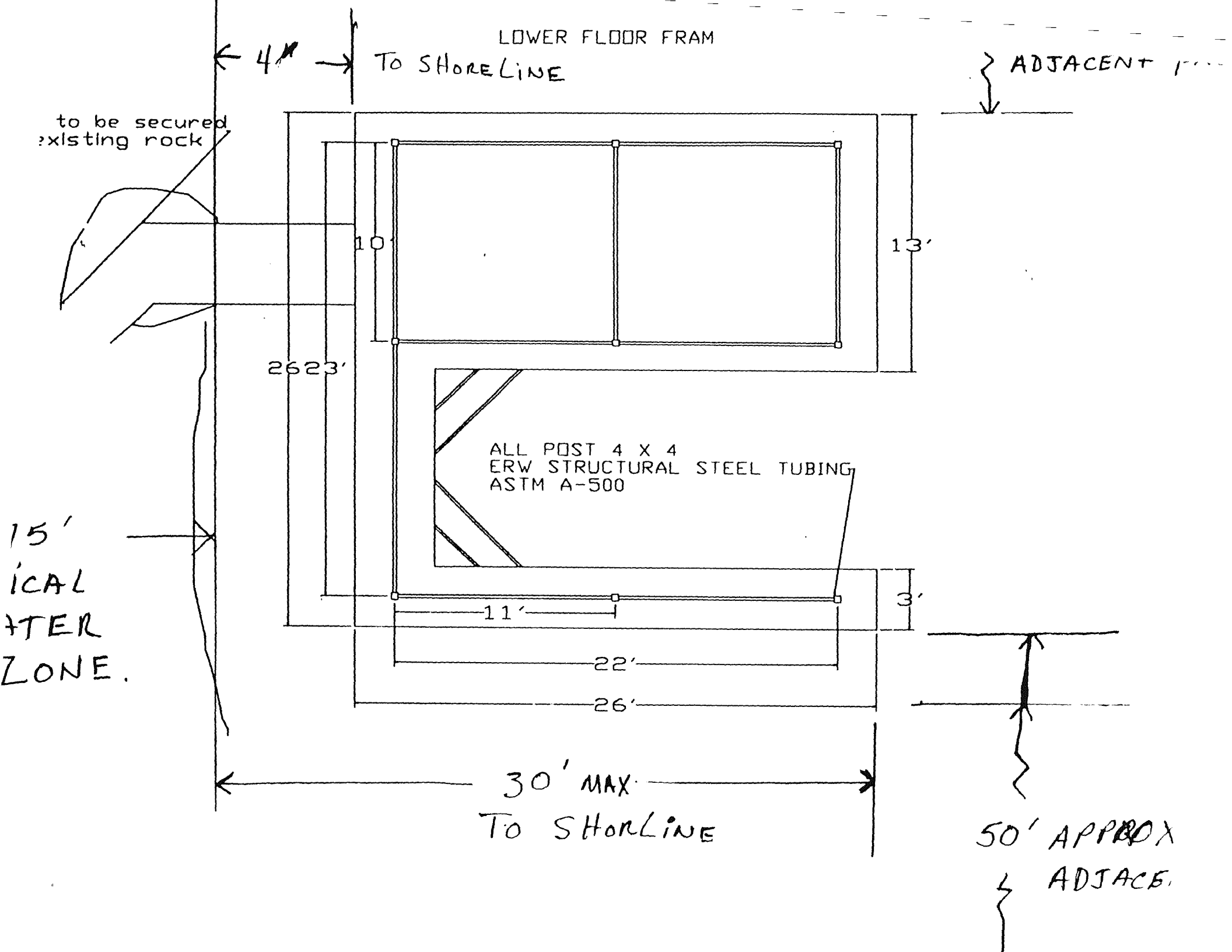
RELATED CASE NUMBERS (IF ANY):

OTHER PROVISIONS:
QUALIFIES AS A SMALL PROJECT
TIA IS NOT REQUIRED
FEE RECEIPT #: 2259085

PROPERTY DESCRIPTION:
SUBD NAME: FIRST INSTALLMENT APACHE SHORES
BLOCK/LOT:
PLAT BOOK/PAGE: BOOK 43, PAGES 88 & 89

VARIANCES/WAIVERS, BONUSES: PARCEL #: 0147550413

**** REVIEWERS - PLEASE USE NEW COMMENTS TRACKING SYSTEM ****





MEMORANDUM

To: Parks Board Members

From: Jesus M. Olivares, Director
Parks and Recreation Department

Subject: Request for Use Agreement across Parkland for William Cannon Drive
Improvement Project

Date: February 5, 1999

The Public Works and Transportation Department (TPWD), in cooperation with the County and State, has a construction project for William Cannon Drive that will require a Use Agreement on parkland.

The project is to raise the road and bridge out of the floodplain, increase the width from two to six traffic lanes and extend the road from Pleasant Valley Road to Scenic Loop. The project crosses the Onion Creek Greenbelt east of the Onion Creek Bridge. Sidewalks will be placed on both sides of the road, giving access to the new Hillcrest Elementary School near Scenic Loop. The new road will provide improved access to a tract of land planned for acquisition for a soccer complex.

The .473 acre tract of parkland affected by the Use Agreement is part of the Onion Creek Greenbelt but is not developed and has no utility for active park use. Trails and neighborhood park improvements are across the creek, adjoining the neighborhood. There is no neighborhood near the .473 acre tract.

PARD staff will coordinate the location of driveways into the soccer complex and minimize the impact upon the .473 acre tract through re-vegetation with native grasses.

Recommendation

I recommend approval of the proposed Use Agreement on Parkland for the William Cannon Drive project.

Contact me if you require additional information.

Jesus M. Olivares, Director
Parks and Recreation Department



MEMORANDUM

TO: Jesus Olivares, Director
Parks and Recreation Department

FROM: Peter Rieck, Director
Public Works and Transportation Department

DATE: January 11, 1999

SUBJECT: Request for Use Agreement Across Parkland
William Cannon Drive Improvement Project
CIP No. 825-607-2056

gmo-cc-1000
cc-1000

(PARKS BOARD FILE)
MANY/KIM-FRE

473 ac

600' in Onm CKGB

The Department of Public Works and Transportation hereby requests one (1) permanent use agreement for the construction, operation, and maintenance of the proposed reconstruction of East William Cannon Drive from Pleasant Valley Road to Scenic Loop (McKinney Falls Parkway). This is a joint City, Travis County, and State Project. The Texas Department of Transportation (TxDOT) is implementing the project. Park issues were addressed by TxDOT in the environmental assessment. Parks and Recreation Department approval of this use of parkland was provided in a letter from you to Mike Walker of TxDOT dated March 11, 1997. The required public hearing was conducted by TxDOT on September 11, 1997.

The near-term construction will construct the north one-half of a divided six-lane roadway. The design and right-of-way are being performed to include the construction of the south half of the divided six-lane roadway when additional funding becomes available. The project will include bridges over Onion Creek, the drainage relief channel across the Onion Creek oxbow and Marble Creek. The design includes sidewalk on both sides, though only the north sidewalk will be constructed initially. This project will greatly enhance accessibility in the area for residents and emergency vehicles by removing the low water crossing of Onion Creek, which floods every one to two years. It will provide access to Hillcrest Elementary School, being constructed east of Running Water Drive to open in August 1999. It will also generally improve the transportation network in the southeast sector of Austin.

Attached are the following documents for your use and consideration to support this request:

1. General Location Map;
2. Information Packet;
3. Tree Survey, Tree Replacement Calculations;
4. Field Note Descriptions Approved by Technical Writing Section;
5. Strip Map with List of Parcels Involved;
6. Engineer Drawings for All Phases.

14 1999

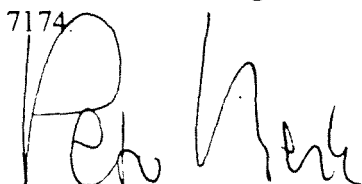
From these documents, you will note that the permanent use portion of the proposed agreement contains a total of 0.473 acres (approximately 20,602 square feet).

The William Cannon Drive Improvement Project will include the construction of William Cannon Drive in two sections, 4072 linear feet from Pleasant Valley Road to Dixie Drive and 3609 linear feet from Running Water Drive to McKinney Falls Parkway. The project will be constructed in three phases. Phase I will include construction of the north half of the divided roadway from Running Water Drive to McKinney Falls Parkway. Phase II will construct the north half of the divided roadway from Pleasant Valley Road to Dixie Drive. Phase III will construct the south half of the divided roadway when funding becomes available. Construction of Phases I and II are expected to begin approximately in March 1999. The project will connect the current terminus of William Cannon Drive to McKinney Falls Parkway and ultimately improve William Cannon Drive to a six-lane divided roadway, including bridges over Onion Creek, the drainage relief channel across the Onion Creek oxbow, and Marble Creek. The project routing and design documents were prepared by the Texas Department of Transportation, and the proposed routing is shown on the general Location Map. Approximately 600.83 linear feet of the project is located within parkland which is identified as the Onion Creek District Park. The area affected in the Onion Creek District Park is within the 100-year flood plain of Onion Creek. Public Works, in cooperation with the Utility, PARD, ECSD, and others, have agreed that the proposed alignment is the most feasible and prudent alternative to crossing this parkland. All reasonable planning efforts have been taken to minimize harm to the area. All construction and site restoration for the project will be completed in accordance with the *Standard Specifications and Construction Standards* of the Texas Department of Transportation.

This project also includes other real estate acquisitions which will improve the transportation network in east Austin.

We request that the necessary documentation be prepared for consideration of this request by the Parks and Recreation Board. If you have any questions or need any additional information, please feel free to contact Richard Kroger, P.E., Project Manager at 499-7219 or Connie Real, Property Agent III, at 499-

7174



Peter Rieck, Director
Department of Public Works and Transportation

Attachments

cc: Richard Kroger, P.E., Project Manager
Connie Real, Property Agent III, w/ attachments
Stuart Strong, Division Manager
Matthew Kite, P.E.

EXHIBIT _____

County: Travis
Parcel No.: 3
Highway: William Cannon Drive
Limits: From: Pleasant Valley Road
 To: Scenic Loop
CSJ: 8050-14-003

FIELD NOTE DESCRIPTION FOR PARCEL 3

DESCRIPTION OF A 0.1913 HECTARE (0.473 ACRE) TRACT OF LAND LOCATED IN THE SANTIAGO DEL VALLE GRANT, ABSTRACT NO. 24, TRAVIS COUNTY, TEXAS, BEING A PORTION OF THAT CALLED 5.594 ACRE TRACT OF LAND DESCRIBED IN THE DEED TO THE CITY OF AUSTIN RECORDED IN VOLUME 6502, PAGE 1034 OF THE DEED RECORDS OF TRAVIS COUNTY, TEXAS; SAID 0.1913 HECTARE (0.473 ACRE) TRACT, AS SHOWN ON A RIGHT-OF-WAY SKETCH PREPARED BY SAM, INC. FOR THIS PARCEL, BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING at a ½-inch iron rod set at the most easterly south corner of Lot 2, Onion Creek Forest, Section 3 as recorded in Volume 68, Page 48 of the Plat Records of Travis County, Texas, said corner being common with the most easterly south corner of a called 0.87 acre tract of land described in Exhibit "B" in the deed from Onion Creek Forest Developers to the City of Austin as recorded in Volume 5057, Page 152, of the Deed Records of Travis County, Texas and the most northerly east corner of a called 62.33 acre tract of land described in Exhibit "A" in said deed of record in Volume 5057, Page 152, said common corner also lying in the most northwesterly line of said called 5.594 acre tract;

THENCE N 20° 11' 46" E, with said common line between said Lot 2, said called 0.87 acre tract, and said 5.594 acre tract, a distance of 28.849 meters (94.65 feet) to a ½-inch iron rod with TxDOT aluminum cap set for the **POINT OF BEGINNING** of the tract herein described and the most easterly corner of said Lot 2, being the most easterly corner of said called 0.87 acre tract, also being in the south existing right-of-way line of William Cannon Drive and being 21.686 meters (71.15 feet) right of Engineers Centerline "A" station 1+437.693;

THENCE with said south existing right-of-way line of William Cannon Drive and with northwestern and northeastern lines of said called 5.594 acre tract for the following five (5) calls numbered 1 through 5:

- 1) N 20° 11' 46" E, a distance of 12.030 meters (39.47 feet) to a calculated angle point in said common line,
- 2) S 38° 06' 14" E, a distance of 16.078 meters (52.75 feet) to a calculated angle point in said common line,
- 3) S 32° 34' 14" E, a distance of 29.380 meters (96.39 feet) to a calculated angle point in said common line,
- 4) S 24° 55' 01" E, a distance of 62.795 meters (206.02 feet) to a 3/4-inch iron pipe found for angle point in said common line, and

- 6) N 34° 17' 42" W, at a distance of 59.977 meters (196.76 feet) passing a ½-inch iron rod with TxDOT aluminum cap set 37.142 meters (121.86 feet) left of Engineers Centerline "A" PT station 1+554.451, and continuing for a total distance of 83.221 meters (273.03 feet) to a ½-inch iron rod with TxDOT aluminum cap set for the point of curvature of a curve to the left and being 37.446 meters (122.85 feet) right of Engineers Centerline "A" station 1+530.232,
- 7) with the arc of said curve to the left, an arc distance of 53.736 meters (176.30 feet) through a central angle of 03° 28' 08", having a radius of 887.547 meters (2911.89 feet) and a chord that bears, N 36° 01' 47" W, a distance of 53.728 meters (176.27 feet) to a ½-inch iron rod with TxDOT aluminum cap set for corner in said proposed right-of-way line and being 37.446 meters (122.85 feet) right of Engineers Centerline "A" PC station 1+474.228,
- 8) N 52° 14' 09" E , a distance of 15.701 meters (51.51 feet) to a ½-inch iron rod with TxDOT aluminum cap set for corner in said proposed right-of-way line and being 21.746 meters (71.35 feet) right of Engineers Centerline "A" PC station 1+474.228, and
- 9) N 37° 40' 14" W , a distance of 36.536 meters (119.87 feet) to the **POINT OF BEGINNING** and containing 0.1913 hectare (0.473 acre) of land, more or less.

Note: English units, shown in parenthesis herein, are provided for information only.

COUNTY OF TRAVIS

WITNESS MY HAND AND SEAL at Austin, Travis County, Texas this the 5th day of August, 1997 A.D.

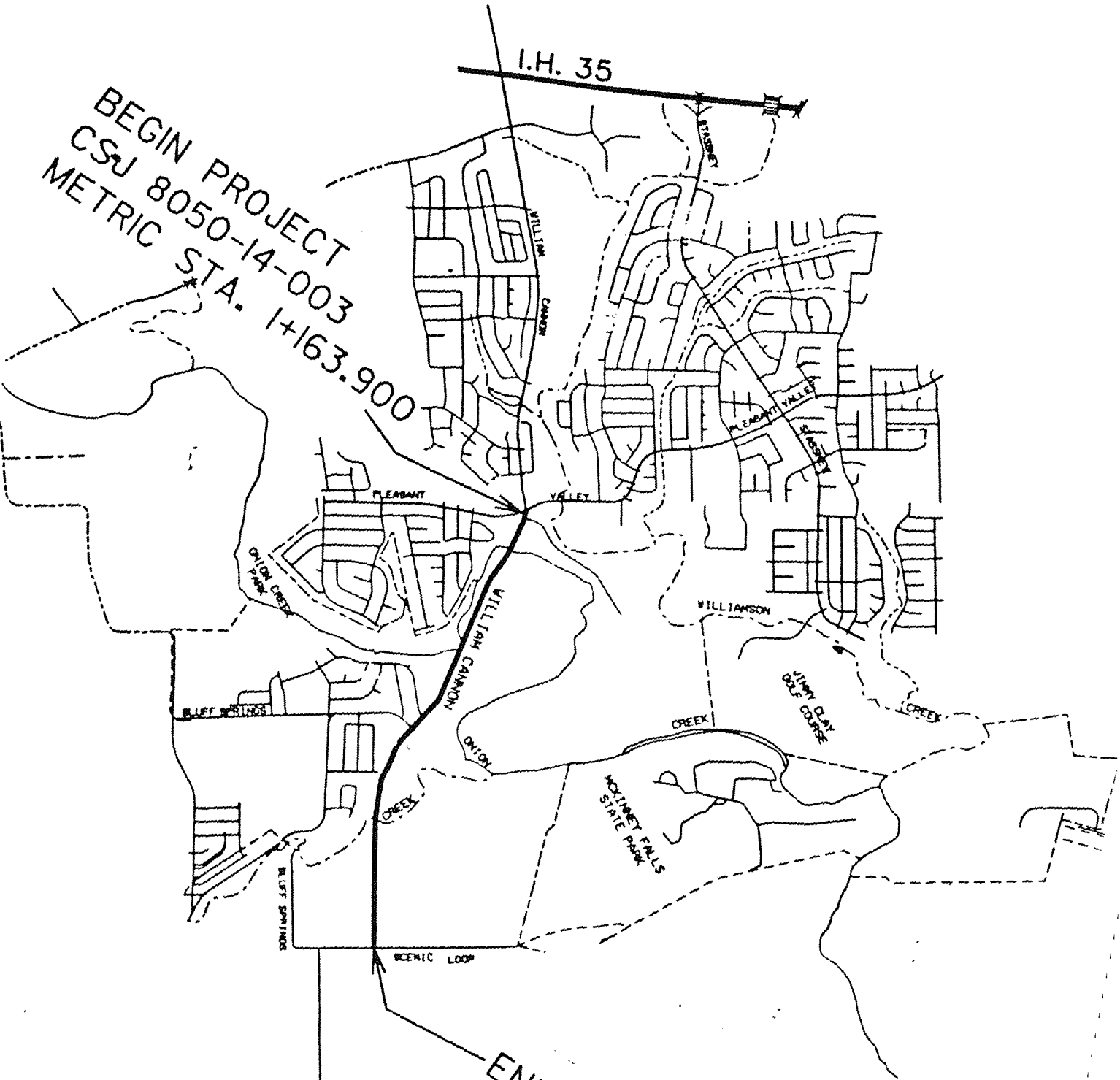
STATE OF TEXAS
REGISTERED
MICHAEL R. HATCHER
4259
PROFESSIONAL
LAND SURVEYOR

FIELD NOTES REVIEWED
By AKH Segura Date 8/11/97
Arch./Eng. Services Division

9491.48

I.H. 35

BEGIN PROJECT
CSJ 8050-14-003
METRIC STA. 1+163.900



END PROJECT
CSJ 8050-14-003
METRIC STA. 1+163.900



MEMORANDUM

To: Parks Board Members

From: Jesus M. Olivares, Director
Parks and Recreation Department

Subject: Request for License Agreement for Natural Gas Pipeline Across Parkland

Date: February 16, 1999

A new subdivision, The Enclave at Spicewood, is in construction next to an undeveloped branch of the Bull Creek Greenbelt and requires natural gas service from a gas service pipe across the greenbelt. Extending the new service pipe across the greenbelt will require review by the Parks Board.

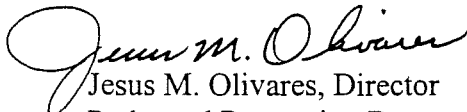
The 2" gas pipeline is to be buried in a trench approximately 3' deep. Laying the flexible pipe will necessitate entering the park with a small trenching machine, installing the pipe, replacing soils and re-vegetating with native grasses.

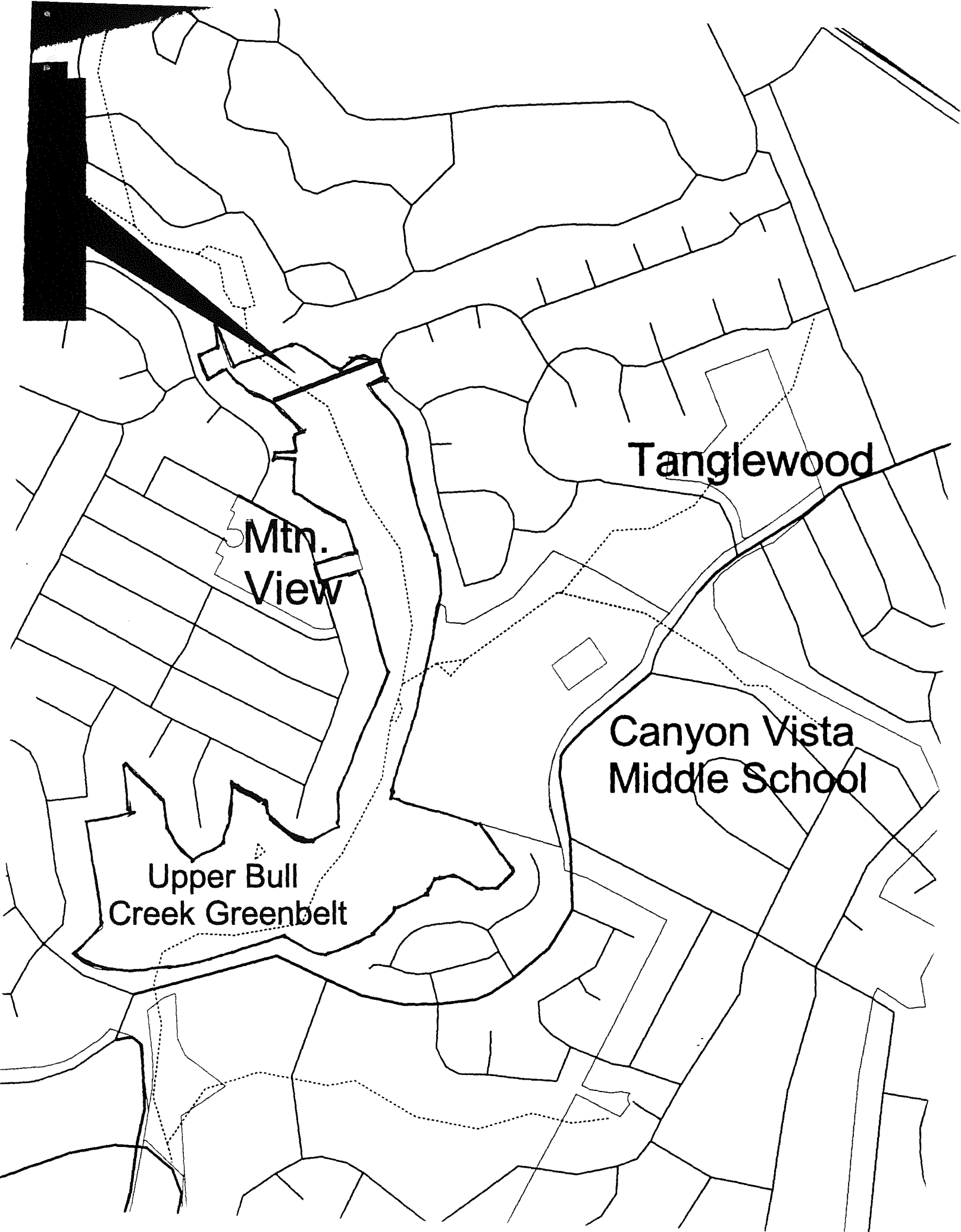
No machinery or materials will be stored on parkland.

This branch of the greenbelt does not have an existing trail but the pipeline will not prohibit construction of a trail in the future.

Recommendation

I recommend approval of the pipeline construction, with the requirement that the area be fully restored and re-vegetated with native grasses.


Jesus M. Olivares, Director
Parks and Recreation Department



Mtn.
View

Tanglewood

Canyon Vista
Middle School

Upper Bull
Creek Greenbelt

**Parks and Recreation Board
Land and Facilities Committee
February 1, 1999 – Noon
PARD Main Office – Conference Room
Meeting Notes**

1. Overview of Park Police – Warren Struss

Warren Struss and Mike Hargett gave an overview including the statutory authority for having park police, preventive role of the officers, and training. Park Police also assist with boater education and cash handling issues. Sgt. Hargett gave an explanation of his personal experience with the Austin Police Association having worked on the police force at Brackenridge Hospital.

2. Gas Pipeline Access across Bull Creek

Staff recommended approval. Project is a 3' deep trench across the greenbelt and a 25 foot wide use area. Revegetation will be required. Mary Ruth moved recommending approval to the full board.

3. Barton Springs Projects Overview

Stuart gave an explanation of the projects currently pending in the Barton Springs Pool area including the ADA work.

4. Cleaning of Barton Springs – Farhad Madani

Farhad Madani and Robert Hanson showed a brief video of a new pool cleaning device that works underwater and has been ordered for Barton Springs Pool.

5. William Cannon Drive License Agreement

Staff recommended approval. Stuart Strong gave the overview of the TxDot request for ROW to use in road widening and elevating the current roadway to help prevent flooding. Mary Ruth recommended approval and taking the issue to the full board. Mike Librik had unresolved concerns. Elaine broke the tie and the issue will go to the full board.

6. Naming of Park for Willie Nelson – status report

This issue is still under study. The Airport redevelopment folks did not act on the idea to name the park for Willie. Staff will need to provide some alternative sites to look at before the idea is ready to go forward. Issues of Willie's character and his past brushes with the law were discussed.