

STAFF REPORT

DATE: September 21, 2016

RE: **Pump Station (permit application # T16-8131)**

FROM: Karen DeMaria, City of Key West Urban Forestry Manager

An application was received requesting the removal of **(1) Silver Buttonwood tree**. A site inspection was done on and documented the following:

Tree Species: Silver Buttonwood (*Cononcarus erectus*)





09/20/2016





09/20/2016



Diameter: 19" (total dbh-three trunks)

Location: 80%

Species: 100% (on protected tree list)

Condition: 60% (structural fair, health appears to be ok)

Total Average Value = 80%

Value x Diameter = 15.2 replacement caliper inches

On the original plans this tree was to remain. Some maintenance trimming was done to the tree in preparation for the construction work.

From the contract engineer(CH2M Hill): ...CT&S (Charles Toppino & Sons) are going to need to bypass pump the flows around the pump stations while they make some equipment switch over connections. While reviewing drawings, it was determined that the existing bypasses were installed when this system pumped to a gravity collection system. However, when the city did their extensive rebuild, a lot of the gravity went away, and these stations now pump into forcemains. Because of downstream backpressure, and pumping distances, these bypasses are no longer adequately sized, and MUST be upsized to be of any use now, and later.

Recommendation: Recommend approval of the removal of one (1) Silver Buttonwood tree at Pump Station A located at the corner of Thomas and Amelia Street to be replaced with 15.2 caliper inches of dicot or fruit trees from approved list, FL#1, to be planted on site.

Application

RECEIVED
SEP 14 2016
BY: _____



9-13-16
Need
Access

8131

Tree Permit Application

Date: 9/7/16

Please Clearly Print All Information unless indicated otherwise.

Tree Address 250 CATHERINE ST *Pump station*
Cross/Corner Street THOMAS & AMELIA
List Tree Name(s) and Quantity (1) CAPER & (1) SILVER BUTTONWOOD
Species Type(s) check all that apply () Palm () Flowering () Fruit () Shade (X) Unsure
Reason(s) for Application:

(X) REMOVE () Tree Health () Safety (X) Other/Explain below
(X) TRANSPLANT () New Location (X) Same Property () Other/Explain below
() HEAVY MAINTENANCE () Branch Removal () Crown Cleaning/Thinning () Crown Reduction
Other/Explain BOTH THE CAPER AND THE SILVER BUTTONWOOD IN THE PATH OF THE BYPASS THAT HAS TO BE REMOVED AND REPLACED PER CONTRACT Existing Bypass is undersized, and cannot accept full flow in the event of a pump station malfunction.
Reason for Request

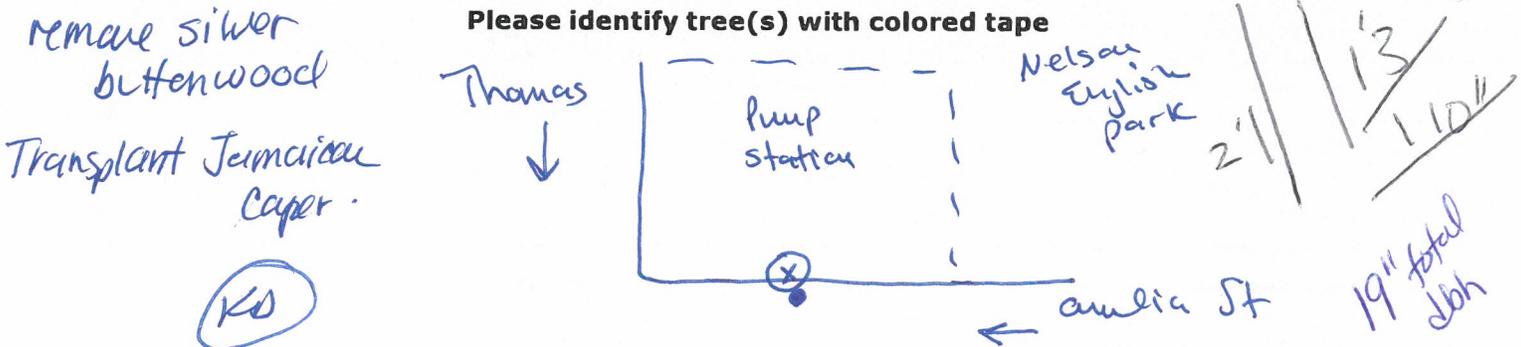
Property Owner Name CITY OF KEY WEST
Property Owner eMail Address c/o John Paul Castro / Utilities Director
Property Owner Mailing Address PO Box 1409
Property Owner Mailing City Key West **State** FL **Zip** 33041
Property Owner Phone Number () - -
Property Owner Signature J. Schall *14 SEPT 2016*

Representative Name Sean McCoy
Representative eMail Address sean.mccoy@ch2m.com
Representative Mailing Address 6410 5th St. Suite 2A
Representative Mailing City Key West **State** FL **Zip** 33040
Representative Phone Number (305) 432 - 9124

NOTE: A Tree Representation Authorization form must accompany this application if someone other than the owner will be representing the owner at a Tree Commission meeting or picking up an issued Tree Permit.
Tree Representation Authorization form attached ()

<<<<< Sketch location of tree in this area including cross/corner Street >>>>>

Please identify tree(s) with colored tape



If this process requires blocking of a City right-of-way, a separate ROW Permit is required. Please contact 305-809-3740.



Remove Palm 7805
Remove canopy 7806
7807 maintenance

Tree Representation Authorization

Date: February 9, 2016

Attendance at the Tree Commission meeting on the date when your request will be discussed is necessary in order to expedite the resolution of your application. This Tree Representation Authorization form must accompany the application if the property owner is unable to attend or will have someone else pick up the Tree Permit once issued.

Please Clearly Print All Information unless indicated otherwise.

Tree Address Pump Station A South East Corner Thomas and Amelia

Property Owner Name Jim Scholl / City Manager City of Key West

Property Owner eMail Address jscholl@cityofkeywest-fl.gov

Property Owner Mailing Address _____

Property Owner Mailing City _____ **State** _____ **Zip** _____

Property Owner Phone Number (305) 809 - 3888

Property Owner Signature _____

Representative Name Sean McCoy

Representative eMail Address sean.mccoy@ch2m.com

Representative Mailing Address 6410 5th St. Suite 2-A

Representative Mailing City Key West **State** FL **Zip** 33042

Representative Phone Number (305) 432 - 1397

I Jim Scholl, hereby authorize the above listed agent(s) to represent me in the matter of obtaining a Tree Permit from the City of Key West for my property at the tree address above listed. You may contact me at the telephone listed above is there is any questions or need access to my property.

Property Owner Signature jscholl

The foregoing instrument was acknowledged before me on this 9th day February 2016.

By (Print name of Affiant) Jim Scholl who is personally known to me or has produced _____ as identification and who did take an oath.

NOTARY PUBLIC
Sign Name: Maria G. Ratcliff
Print Name: Maria G. Ratcliff
My Commission Expires: March 22, 2019

Notary Public - State of Florida (seal)



NEW ABOVE GRADE
12" FLG Bypass Connect
CHAIN-LINK FENCE (At Fence Line)

BEGIN 12" FM
STA 0+00

CAPER

3" ASDN WW

SS

ASF
PAV

NEW 12" RT ~~EX~~ PLUG VALVE

PLANTER
AREA

12" DI FM

48"x48"
OZONATOR
PAD

TJB

METER VAULT
(SEE SHEET D-5)

SILVER
BUTTONWOOD

12"x12" RT
TEE

PVC DRAINS
WITH TRAPS

CONCRETE PAD

10' Dia. WET WELL
(SEE SHEET M-2)

TRANSFER SWITCH

2 INCH WATER

1 INCH WATER

PLANTER
AREA

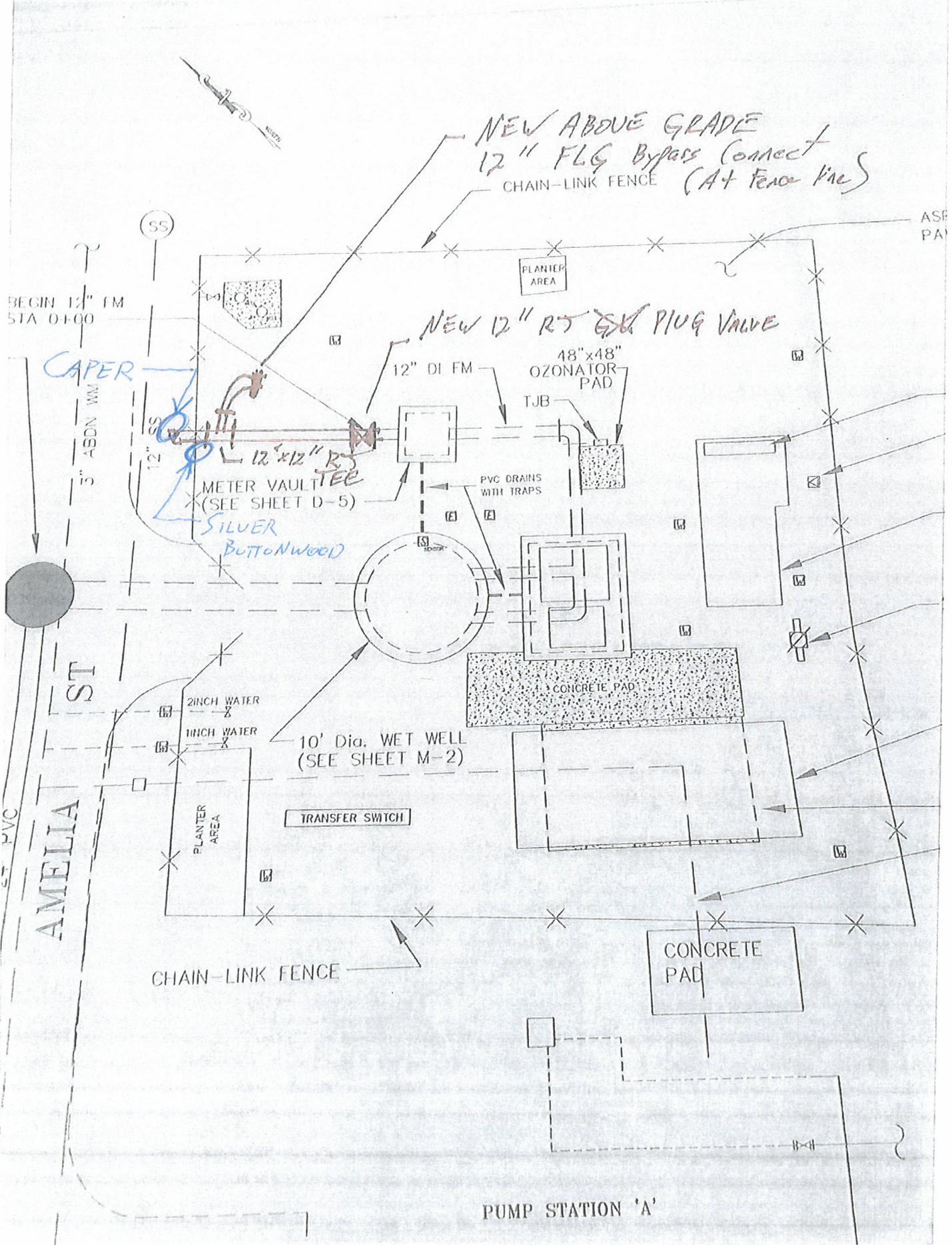
CONCRETE
PAD

CHAIN-LINK FENCE

ST PVC

AMELIA
ST

PUMP STATION 'A'



Karen DeMaria

From: Sean.McCoy@CH2M.com
Sent: Tuesday, September 13, 2016 3:37 PM
To: Karen DeMaria
Cc: mattb@toppkw.com
Subject: VFD Project Tree Removal
Attachments: TREE PERMIT APP - PSA BYPASS CO.pdf

Karen,

I think Matt Bussard/CT&S spoke with you about these remove/relocates, but I'll give some background anyway.

During construction, CT&S are going to need to bypass pump the flows around the pump stations while they make some equipment switch over connections. While reviewing drawings, we determined that the existing bypasses were installed when this system pumped to a gravity collection system. However, when the city did their extensive rebuild to mitigate I&I a lot of the gravity went away, and these stations now pump into forcemains. Because of downstream backpressure, and pumping distances, these bypasses are no longer adequately sized, and MUST be upsized to be of any use now, and later.

I've attached the permit. It does not have John Paul's signature. Would you like me to get that?

Please call with any questions.

Regards,

Sean McCoy

Project Manager

D 305.432.9124

M 305.432.1397

ch2m:

6410 5th St. Suite 2-A

Key West, FL. 33040

www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

NATIONAL
BEST FENCE
800-352-5875

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800-352-5875



J. Capet + Buttonwood



09/06/2016

