



Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

October 11, 2006

L-2006-237
10 CFR 50.4
EPP 3.2.2

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Environmental Protection Plan Report
316(b) Related Documentation

Pursuant to section 3.2.2 of the St. Lucie Environmental Protection Plan, FPL is forwarding the attached copy of 316(b) related documentation. The matter pertains to inspection activities for the St. Lucie intake piping velocity caps.

Please contact Vince Munne at (772) 467-7453 if there are any questions on this matter.

Very truly yours,

Gordon L. Johnston
Vice President
St. Lucie Plant

GLJ/KWF

Attachment

IE25



Florida Power & Light Company, 6351 South Ocean Drive, Jensen Beach FL 34957

October 11, 2006

Mr. Eric Shea
1801 SE Hilmoor Drive
Suite C-204
Port St. Lucie, FL 34952-1801

**RE: FPL St. Lucie Nuclear Power Plant
Application for Exemption from Environmental Resource Permitting
Preparation Intake Pipe Velocity Cap Survey**

Dear Mr. Shea:

Attached please find, as discussed in various telephone conversations between you, Thad Greer of the St. Lucie Plant and Ron Hix of FPL Corporate Environmental, an application for an exemption from permitting (due to de minimus activity) for partial cleaning of the facility's intake velocity cap. This exemption will allow FPL to remove material that is currently restricting flow through the velocity cap. Removal of this material will result in reduced velocity at the face of the velocity cap and decreased differential in head pressure between the intake and discharge canals. Decreasing this pressure differential will result in improved thermal efficiency and more megawatts being produced for the same amount of fuel. In addition, it will allow a survey for determining any damage that may have occurred to the velocity cap during the hurricanes of 2004/2005.

It is FPL understanding that by filing for this exemption, we will have obtained all of the regulatory approvals we need to conduct this work.

If you have any questions or need additional information on this application, please contact Vince Munne at (772) 467-7453.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Gordon L. Johnston' or similar.
Gordon L. Johnston
Site Vice President
FPL - St. Lucie Nuclear Plant
vpsl028

an FPL Group company

SECTION A

FOR AGENCY USE ONLY	
ACOF Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat	Fee Received \$
Proposed Project Long	Fee Receipt #

PART 1:

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters? ☒ yes ☐ no

Is this application being filed by or on behalf of a government entity or drainage district? ☐ yes ☒ no

PART 2:

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

- ☒ Exemption - include applicable information requested in Section D.
- ☐ Noticed General - include information requested in Section B.
- ☐ Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- ☐ Standard General (all other Standard General projects) - include information requested in Sections C and E.
- ☐ Individual (Single Family Dwelling) - include information requested in Sections C and D.
- ☐ Individual (all other Individual projects) - include information requested in Sections C and E.
- ☐ Conceptual - include information requested in Sections C and E.
- ☐ Mitigation Bank Permit (construction) - include information requested in Sections C and F.
- ☐ Mitigation Bank (conceptual) - include information requested in Sections C and F.

B. Type of activity for which you are applying (check at least one).

- ☐ Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
- ☐ Construction, expansion or modification of a solid waste facility.
- ☐ Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
- ☐ Modification of a system previously permitted by a WMD or DEP. Provide previous permit numbers:
 - ☐ Alteration of a system ☐ Extension of permit duration
 - ☐ Abandonment of a system ☐ Construction of additional phases of a system
 - ☐ Removal of a system

* See Foot Note

C. Are you requesting authorization to use Sovereign Submerged Lands? ☐ yes ☐ no N/A
(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:

- ☐ Individual ☐ Programmatic General ☐ General
- ☐ Nationwide ☒ Not Applicable

E. Are you claiming to qualify for an exemption? ☒ yes ☐ no
If yes, provide rule number if known. _____

* Foot note: Applicant is requesting an exemption to allow minor cleaning and inspection of the 16' intake pipe velocity cap to ascertain the amount of hurricane damage to intake structure.

PART 3:		B. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)	
A. OWNER(S) OF LAND			
Name		Name Gordon L. Johnston	
Title and Company		Title and Company Site Vice President , FPL – St. Lucie Nuclear Plant	
Address		Address 635 South Ocean Beach Drive	
City, State, Zip		City, State, Zip Jensen Beach Fl. 34957	
Telephone and Fax		Telephone and Fax 772-467-7100 / 772-467-7199	
C. AGENT AUTHORIZED TO SECURE PERMIT		D. CONSULTANT (IF DIFFERENT FROM AGENT)	
Name Vince Munne		Name	
Title and Company Sr. Plant Supervisor , FPL – St. Lucie Nuclear Plant		Title and Company	
Address 635 South Ocean Beach Drive		Address	
City, State, Zip Jensen Beach Fl. 34957		City, State, Zip	
Telephone and Fax 772-467-7453		Telephone and Fax	
<p>PART 4: (Please provide metric equivalent for federally funded projects):</p> <p>A. Name of Project, including phase if applicable: <u>Cleaning of 16' intake pipe Velocity cap.</u></p> <p>B. Is this application for part of a multi-phase project? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>C. Total applicant-owned area contiguous to the project? <u>N/A</u> ac.; _____ ha.</p> <p>D. Total area served by the system: <u>N/A</u> ac.; _____ ha.</p> <p>E. Impervious area for which a permit is sought: <u>N/A</u> ac.; _____ ha.</p> <p>F. Volume of water that the system is capable of impounding: <u>N/A</u> ac. ft.; _____ m</p> <p>G. What is the total area of work in, on, or over wetlands or other surface waters? _____ ac.; _____ ha.; <u>estimated 22638</u> sq. ft.; _____ sq. m.</p> <p>H. Total volume of material to be dredged: <u>N/A</u> cubic yd; _____ cubic m</p> <p>I. Number of new boat slips proposed: <u>N/A</u> wet slips; <u>N/A</u> dry slips</p>			

PART 5:		
Project location (use additional sheets if needed):		
County(ies) <u>St. Lucie County</u>		
Section(s) <u>15</u>	Township <u>36 South</u>	Range <u>41 East</u>
Section(s) _____	Township _____	Range _____
Section(s) _____	Township _____	Range _____
Latitude: <u>27° 20' 52" N</u>	Longitude: <u>80° 14' 00" W</u>	Waterbody: <u>Atlantic Ocean</u>
Land Grant name, if applicable: <u>N/A</u>		
Tax Parcel Identification Number: _____		
Street Address, Road or other location: <u>635 South Ocean Beach Drive</u>		
City, Zip Code, if applicable: <u>Jensen Beach, FL 34957</u>		
PART 6: Describe in general terms the proposed project, system, or activity.		
As shown on the attached sketches, clean by pressure washing enough of the velocity cap to: 1) reduce restriction in flow (current restriction is increasing head pressure and reducing plant megawatt output) and; 2) expose enough surface area to allow hurricane damage inspections, as follows:		
1	Clean by pressure washing 4 areas, 1 on each corner of the top of the velocity cap as shown on sketch 3. Total area approx. 36 square feet.	
2	Clean flow areas to include areas between each of the pilings beneath the velocity cap. This will include the areas under the velocity cap top and on the tremie concrete block and the sides of the pilings as shown on sketch 1 and 2. Total area approx. 784 square feet.	
3	Clean 1 foot around periphery of contact point both top and bottom where piling contacts tremie block and velocity cap top underside as shown on sketch 4. Total area approx. 753 square feet.	
The total area of the 16' intake velocity cap is 22,638 square feet, (not including the tremie block/sheet pile sides). The total area to be cleaned is approximately 1573 square feet. This equates to approximately 7% of the total area. Note: There are two (2) additional velocity caps located next to the 16' intake cap (they are associated with 12' diameter intake pipes) that will also not be impacted.		
The cleaning is estimated to create 120 cubic yards of debris. The debris will be directed so that large debris is prevented from entering the intake flow stream and will be placed at the base of the velocity cap next to the sheet piling, as shown on sketch 5.		
After cleaning is complete, a topographical and benthic survey will be performed to determine existing coverage of the buried pipes and the structures to determine amount of movement of the velocity cap resulting from the 2004/2005 hurricane seasons.		

PART 7:			
A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.			
<u>Tele-conferences have been held between Eric Shea of the FDEP-St. Lucie office and Ron Hix and Thad Greer of FPL Environmental and Site Projects. The dates of the teleconferences were 9/22/06, 9/29/06 and 10/2/06.</u>			
B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.			
Agency	Date	No./Type of Application	Action Taken
N/A			
C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.			
1.	2.		
N/A			
3.	4.		
5.	6.		
7.	8.		

PART 8:

A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand that this application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relieve me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Vince Munne

Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

Vince Munne 10-10-06
Signature of Applicant/Agent Date

Sr. Plant Supervisor, Maintenance Support, FPL - St. Lucie Nuclear Plant
(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Gordon L. Johnston

Typed/Printed Name of Applicant

Gordon L. Johnston for SUP 10/11/06
Signature of Applicant Date

Site Vice President, FPL - St. Lucie Nuclear Power Plant
(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

Gordon L. Johnston

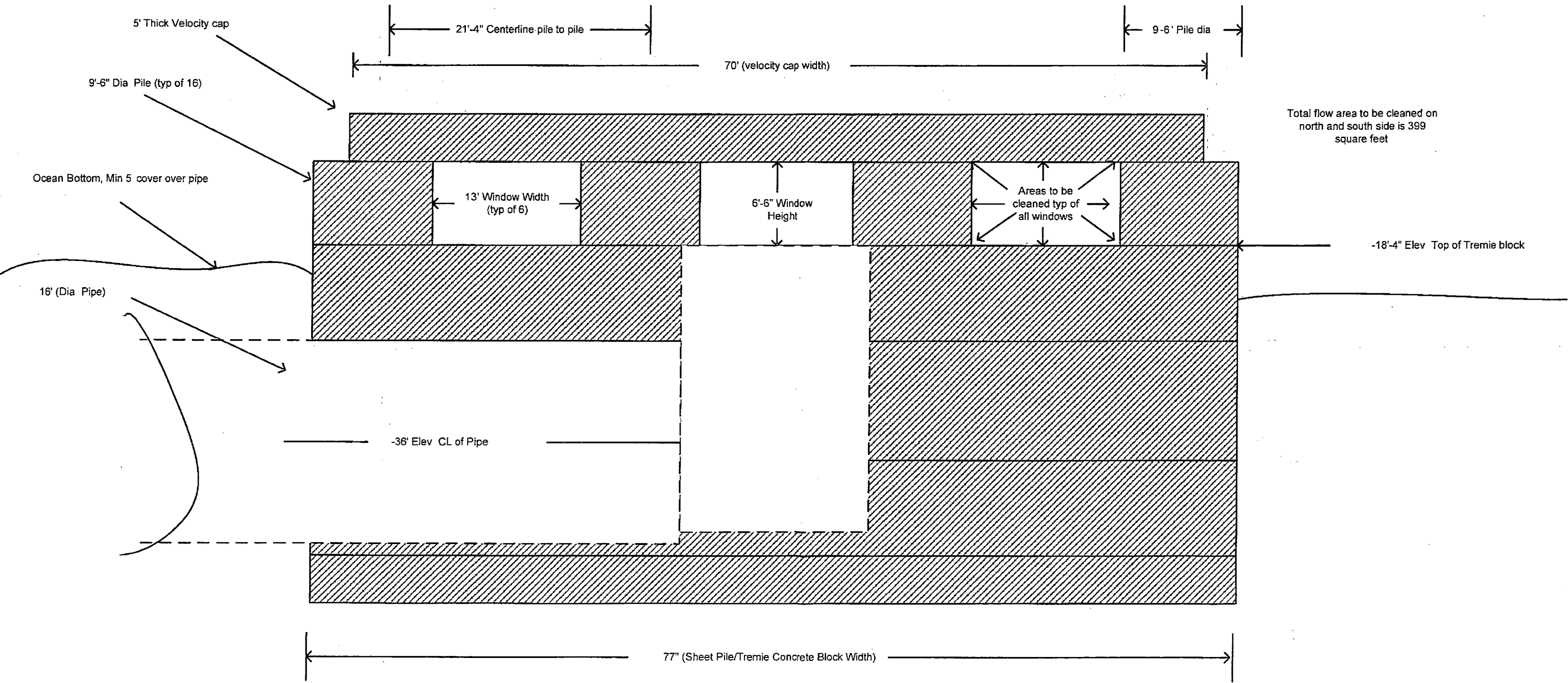
Typed/Printed Name of Applicant

Gordon L. Johnston for SUP 10/11/06
Signature of Applicant Date

Site Vice President, FPL - St. Lucie Nuclear Power Plant
(Corporate Title if applicable)

Sketch 1

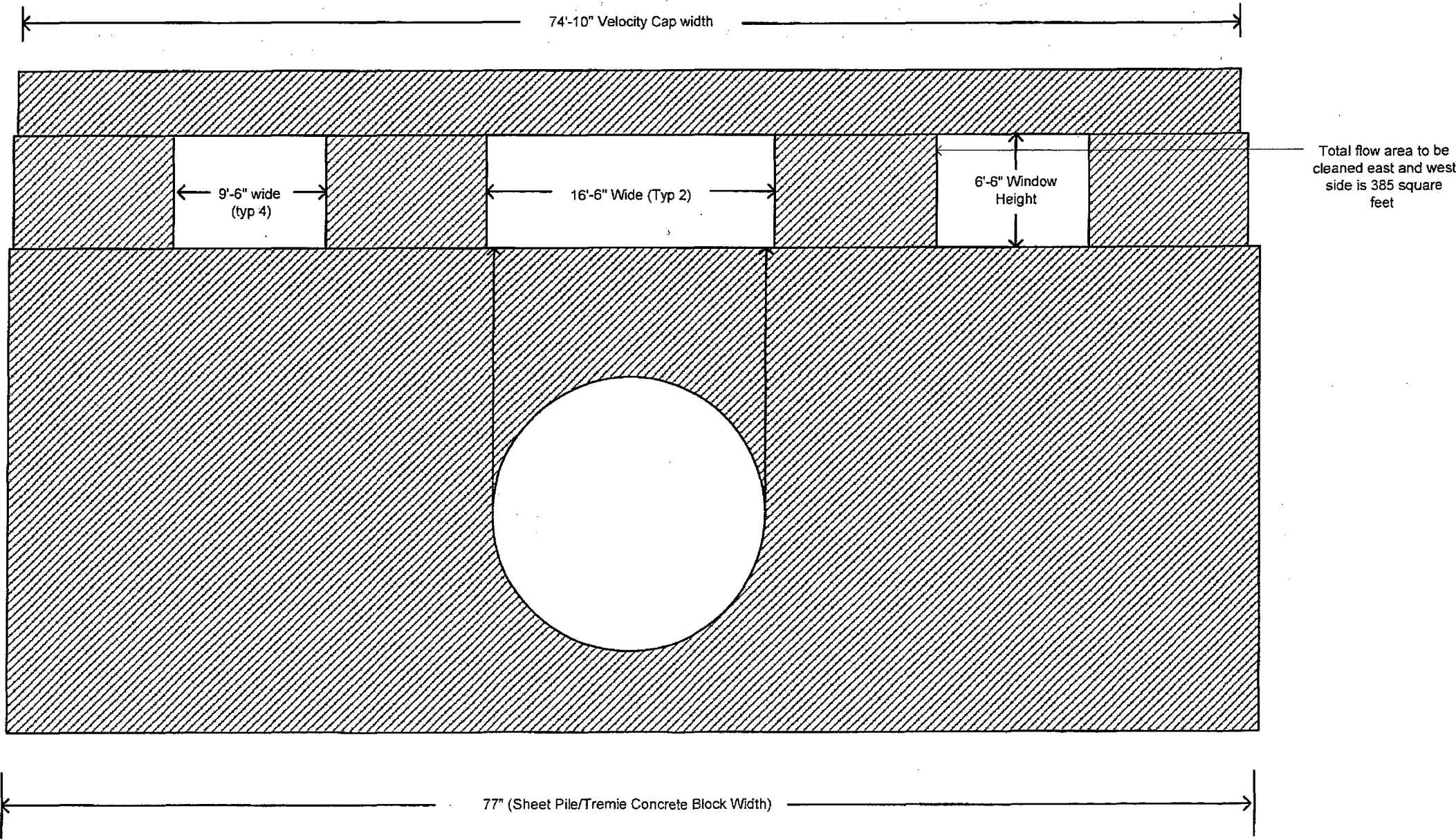
16' Intake Velocity Cap Elev View Facing North



Sketch 2

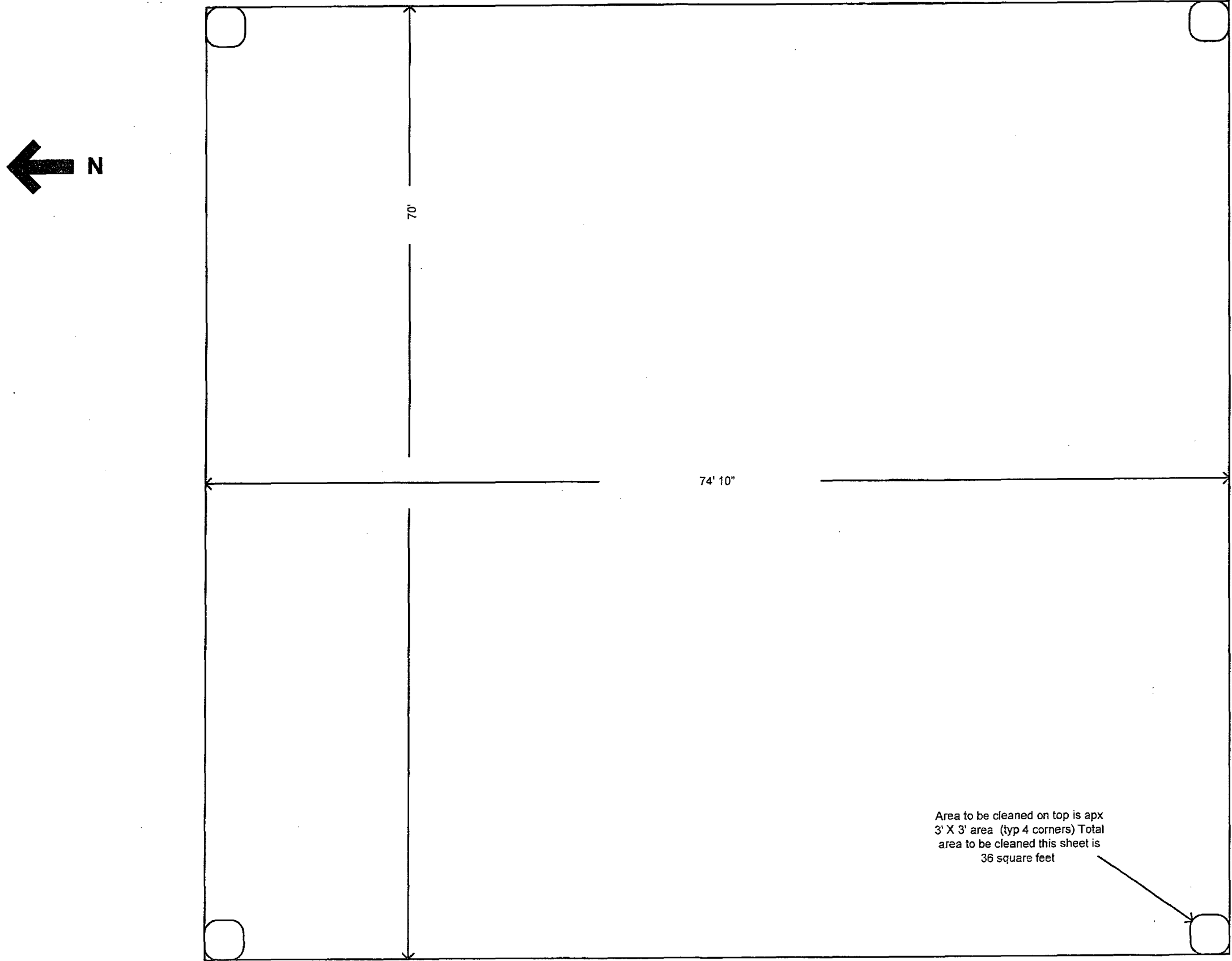
16' Intake Velocity Cap Elev View Facing East

Note: Elevations and piling dimensions are identical to those
on the north facing sketch



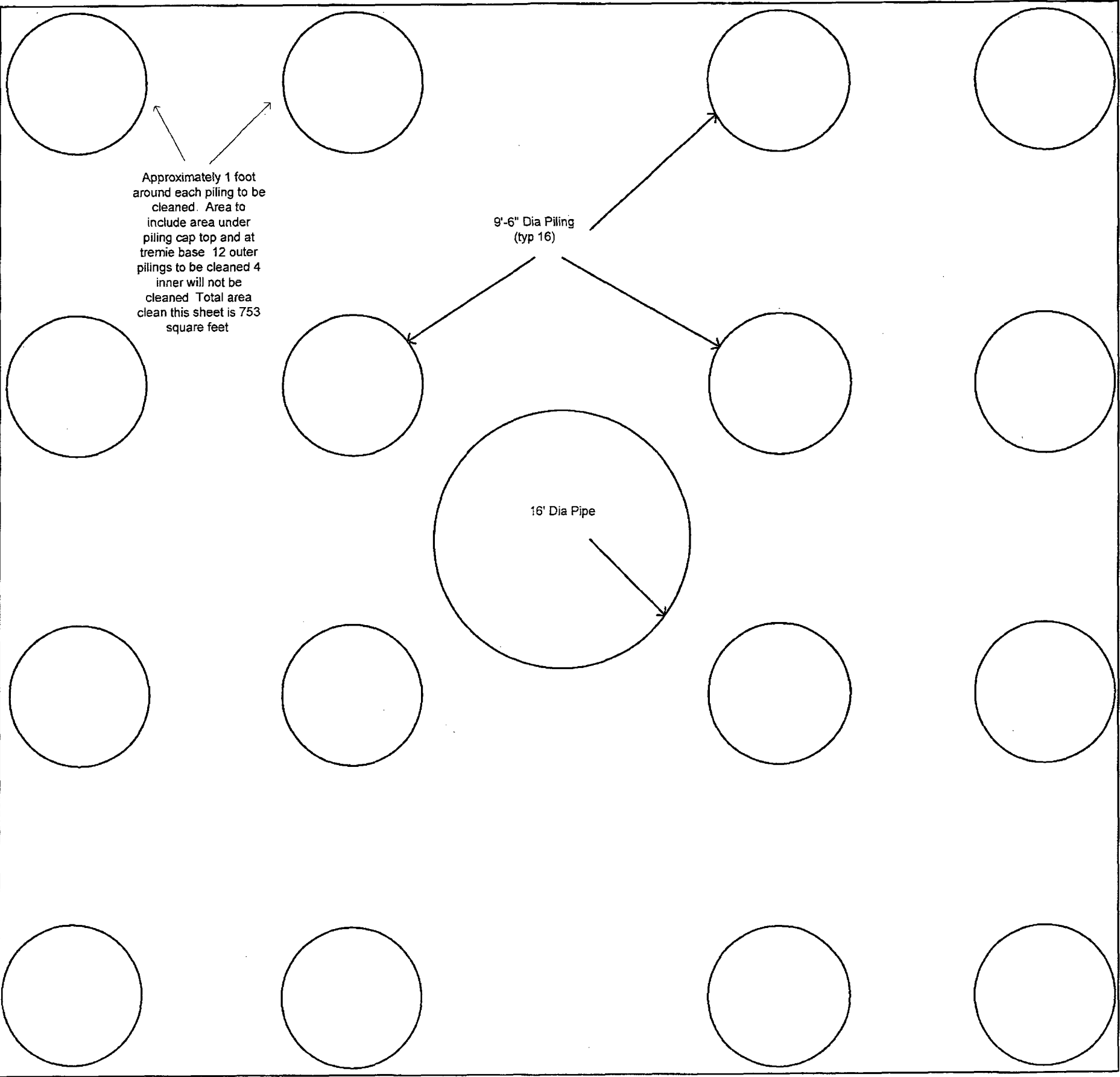
Sketch 3

16' Intake Velocity Cap Plan View



Plan view 16' Intake Velocity Cap Showing Cap Removed

Sketch 4



Sketch 5

16' Intake Velocity Cap Elev View Facing North

