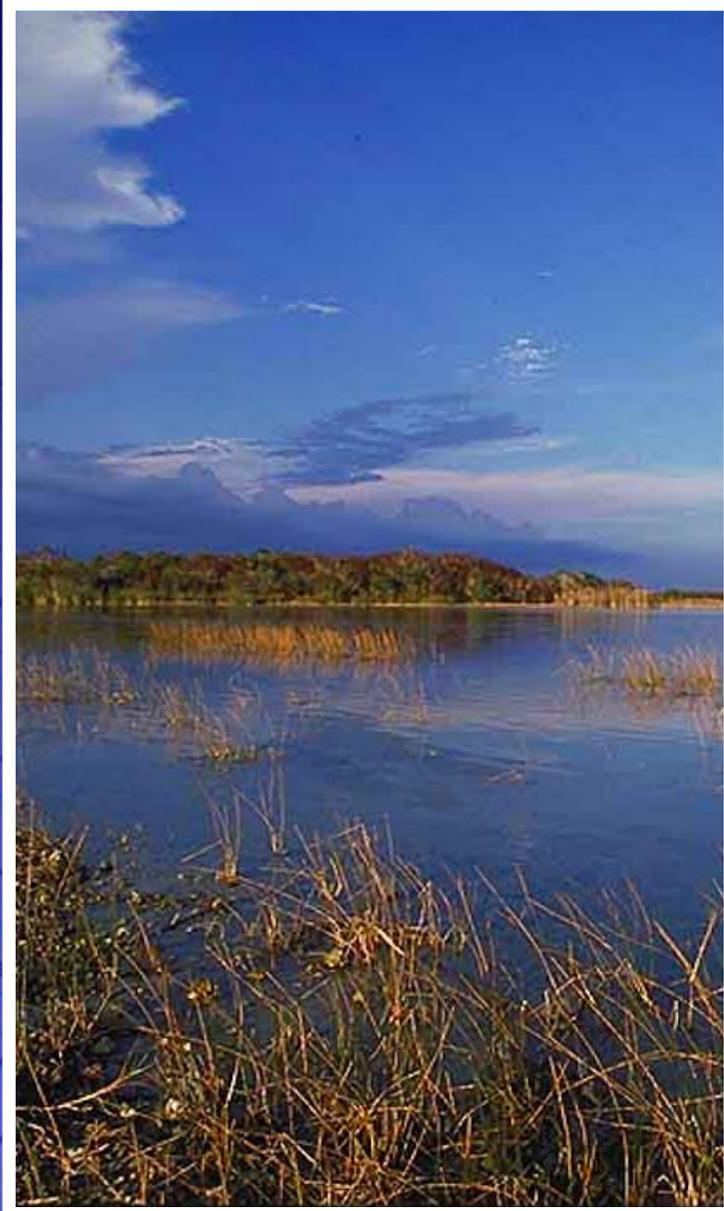




Modified Water Deliveries to Everglades National Park
8.5 Square Mile Area

**Public Meeting
December 20, 2005**

**U.S. Army Corps of Engineers
Jacksonville District**





WCA-3A

Miccosukee Reserved Area

3 Weirs

8.5 Square Mile Area Project Milestone



EVERGLADES NATIONAL PARK

Construction Phase

Shark River Slough

Tieback Levee

Taylor Slough Headwaters

ISOP/IOP Water Detention Areas

S-332B Tieback

L-34W

S-332A

S-332C

S-174

S-332D

S-176

S-179

S-165

S-166

S-167

S-194

S-149

S-118

S-119

S-121

S-120

S-122

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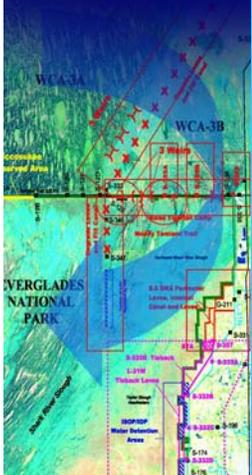
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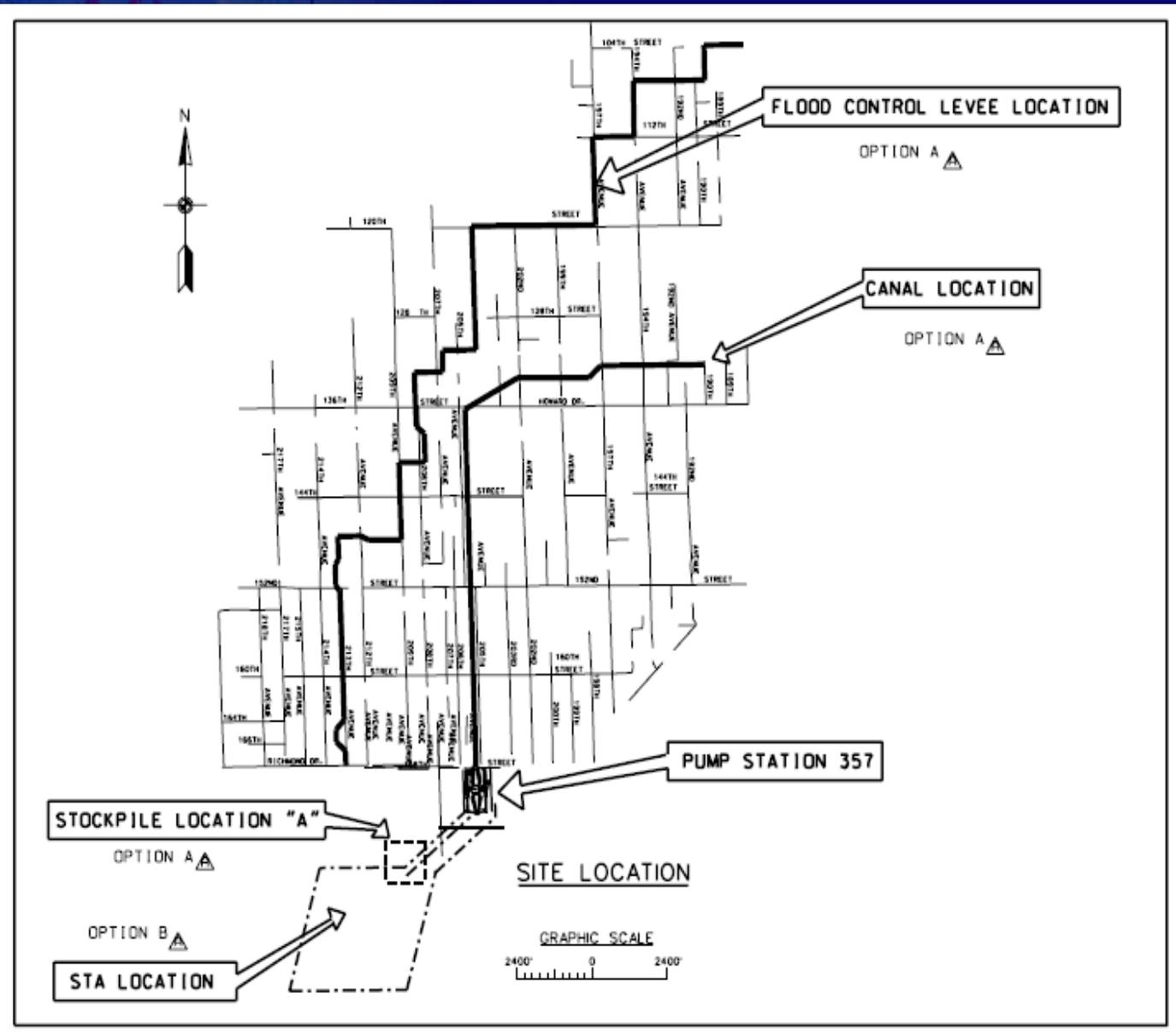
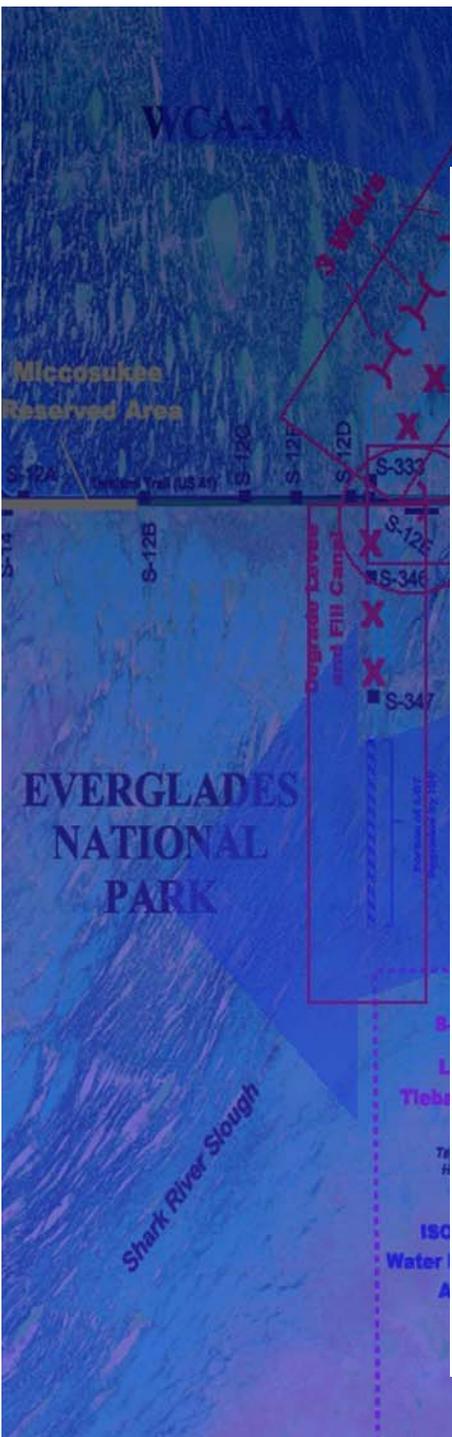
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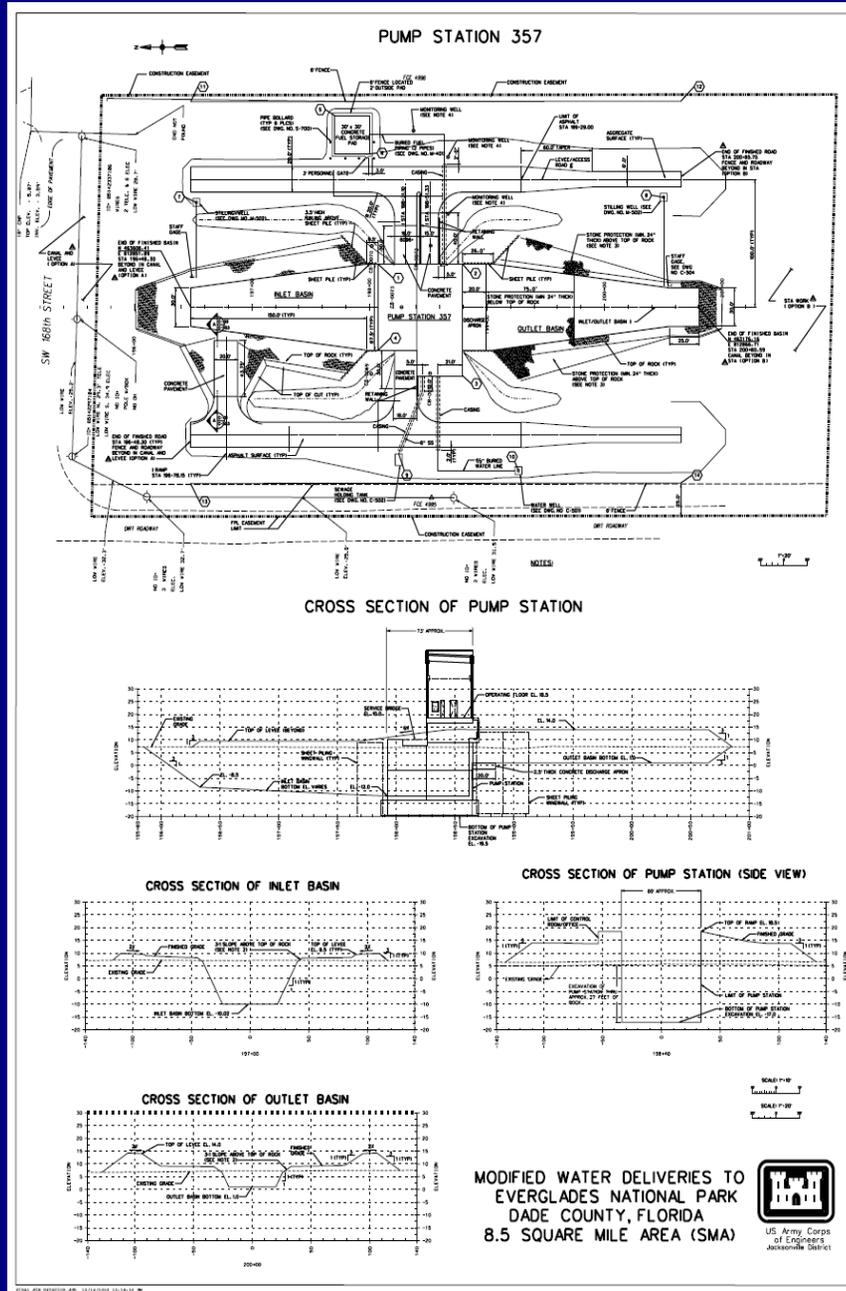
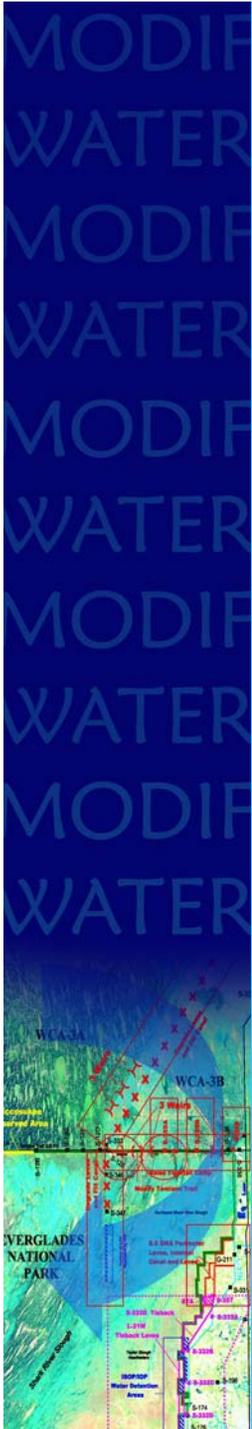
8.5 Square Mile Area Project includes:

- A 575 cubic feet per second (cfs) pump station
- A seepage collection canal through the middle of the area
- Construction of a perimeter levee around the area
- A stormwater treatment area SW of the pump station



8.5 Square Mile Area Site Map





8.5 Square Mile Area

Pump Station

foundation excavation:

73 feet by 89 feet

27 feet deep

MODIFIED WATER DELIVERIES TO
EVERGLADES NATIONAL PARK
DADE COUNTY, FLORIDA
8.5 SQUARE MILE AREA (SMA)



US Army Corps
of Engineers
Jacksonville District

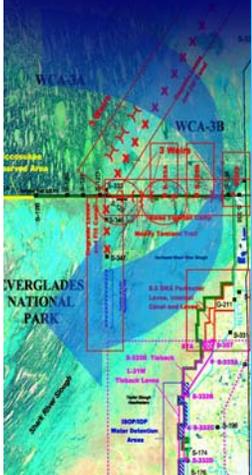
Controlled blasting is a common construction procedure for large excavation projects such as:

- **the foundation of Pump Station 357**
- **the seepage canal**



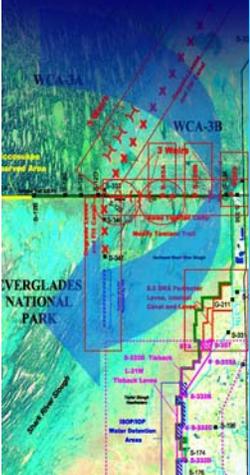
Why blast?

- South Florida's limestone bedrock is close to the surface and has holes and cracks
- Not a suitable foundation for a large structure like Pump Station 357
- Pump station excavation will be large - approximately 27' deep for the main building
- Seepage canal excavation will be approximately 3.5 miles long
- Mechanical excavation for large projects is not practical or cost effective
- Blasting is a standard construction procedure for large projects in South Florida



What can I expect?

- Blasting is done in limited areas, under very controlled conditions.
- If your home or business is near the controlled blasting, you will be notified in advance.
- Vibration Energy Services, Inc. will be notifying landowners and doing pre-blast inspections on structures near the blast area.
- If traffic is affected, the area should not be affected for more than 5 minutes.



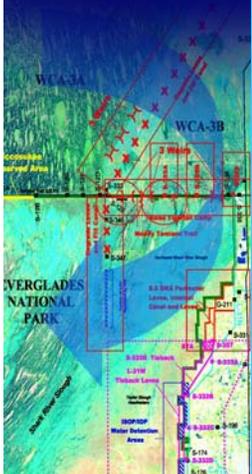
When will blasting occur?

- Pre-blast inspections are scheduled to begin in January 2006 for the pump station area. Blasting will occur after Vibration Energy Services, Inc. completes the necessary inspections.
- Blasting will be done during daylight hours.
- Blasting will not be done on weekends or holidays.
- Only one or two blasts should occur per day.
- Inspections and blasting for the seepage canal will begin after the contract is awarded.



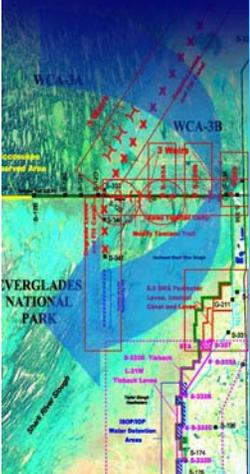
What will the blasting be like?

- Blasting is done in limited areas, under very controlled conditions, with as little explosive as possible.
- Holes will be drilled in the target area, and the blasting agent will be put in the holes.
- Warning sirens will be heard and access to the blast site will be restricted by a flag person.
- You may hear a noise, see a small cloud of dust or feel a slight vibration, but you should be surprised at how minimal it is.
- Blasting will be monitored and must meet strict regulations for noise and vibration levels, including those for Miami-Dade County.



How will I know when a blast will occur?

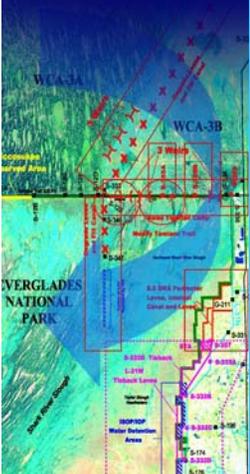
- A flag person will stop traffic near the area and at all access points.
- 5 minutes before blast - warning siren (one minute series of loud signals)
- 1 minute before the blast - blast signal (a series of short signals).
- After inspection of blast area - all-clear signal (a long signal)



Will I have to leave my home or business during the blasting?

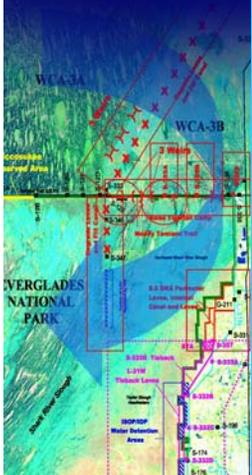
No!

If the contractor determines that your home or business is too close to the blast area, they will use mechanical excavation in that area only, rather than ask you to leave.



What if there is a problem during the pump station blasting?

- First contact is the vibration monitoring contractor, Vibration Energy Services, Inc. (Bill Kleinert at 954-741-5953)
- Or, call the blasting contractor, Florida Energy Services, Inc. (Rory Simons at 239-777-8529)
- If the problem is not resolved, see an Atlantic Skanska (the Prime Contractor) representative or Tony Jettinghoff with the U.S. Army Corps of Engineers, at the Atlantic Skanska office trailer at the pump station site at the corner of SW 168th Street and SW 205th Avenue.



Contractors:

**Prime Contractor: Atlantic Skanska
Office trailer will be onsite near pump station**

**Vibration Monitoring:
Vibration Energy Services, Inc.
Bill Kleinert 954-741-5953**

**Blasting:
Florida Energy Services, Inc.
Rory Simons 239-777-8529**

**Earthwork:
Civil Construction Technologies, Inc.**



**For additional information
regarding this project,
visit our website at:**

www.saj.usace.army.mil

**Modified Water Deliveries
8.5 Square Mile Area**



Questions?



Thank you!