

BCPeabody

Veteran Owned and Operated

✓General Contractor License #CGC1515086

✓Bonded

✓Insured





Company Operating Principles

- Military Culture
 - Prepared to do what it takes to get the mission done
 - Flexible solution with consideration for future contingencies
 - Thorough planning, aggressive execution
 - Low tolerance for excuses
- Values based
- Integrity - Committed to doing the right thing
- Use the military training and experience to solve problems
- Earn trust through action
- Back up words with results



Hernando Beach Dredge Project

- We will hire local qualified firms and services and individuals (estimate 90% will live within 45 miles)
- Our bid is comprehensive
- Open communication with County leadership
- Partner with client project managers
- SunWest (John Gary Grubbs) is no longer a major sub



BCPeabody Senior Leadership



Andrew Goetz
President



Erik Stor
Sr. Vice President
(Operations)

- 5-years of documented history and project management in the private sector
- 65 years combined military experience
- 3 Bronze Stars
- 1 Purple Heart



Purpose

**To present a Comprehensive, Turn-Key Solution
for the Completion of the Hernando County
Channel Dredging Project**



Mission

BCPeabody team will dredge the Hernando Beach Channel in accordance with current plans and specifications.

We will accomplish this by assembling a team of experts in the fields of engineering, environmental science, construction, and dredging to design, construct, execute and monitor an operation that deepens and widens the beach channel while simultaneously ensuring compliance with FDEP and USACE permit requirements including turbidity and water quality standards.



Project Key Leadership



Dr. John Hall
Senior Environmental
Expert



Bob Carpenter
Owner/CEO



Richard Bonner
Senior Project Mgmt.
Expert



Larry Evans
Senior Environmental
Expert



Andrew Goetz
President



Erik Stor
Sr. Vice President
(Operations)



Harley Hartley
Senior Procurement
Expert



The Project Team



BCPeabody
Construction Services, Inc



**Rain
For
Rent**



**Piedroba
Marine
Construction**

BCPeabody Key Subcontractor

Piedroba Marine Construction

Dr. Prieto-Portar, P.E. CEO of Piedroba Marine Construction: Thirty-four years of experience working in the fields of structural and geotechnical engineering and is a PH.D. Dr Prieto-Portar was the former director of public works for the City of Miami and a Professor in the Department of Civil and Environmental Engineering at Florida International University. He performed the finite element structural analysis for the Tampa Bay Skyway Bridge; Was responsible for the design and foundation investigation of the ten mile South Corridor segment of the Miami-Dade County's METRORAIL System (\$1.1 Billion); Dr. Prieto-Portar is a pioneer in the use of HydroCyclone technology for dredging operations.

Education:

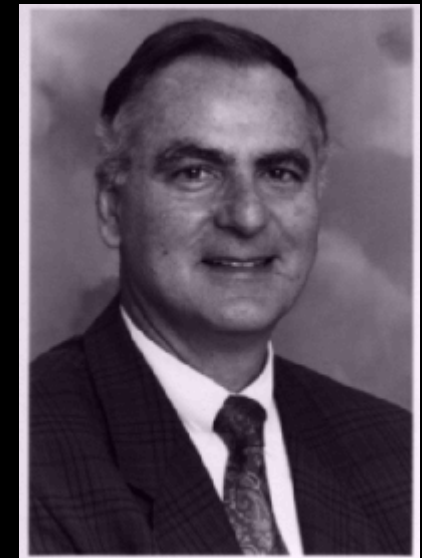
Ph.D. Theoretical and Experimental Mechanics, Princeton University, 1972.

M.A.Eng. Geotechnical, Princeton University, 1971.

M.Sc. Structural Engineering and Water Resources Programs, Department of Civil Engineering, Princeton University, 1970.

M.Sc. Gravitational and High-Energy Physics, Dartmouth College, 1964.

B.Sc. Honors Mathematics-Physics, Université de Montreal, Magna Cum Laude, Canada, 1963.



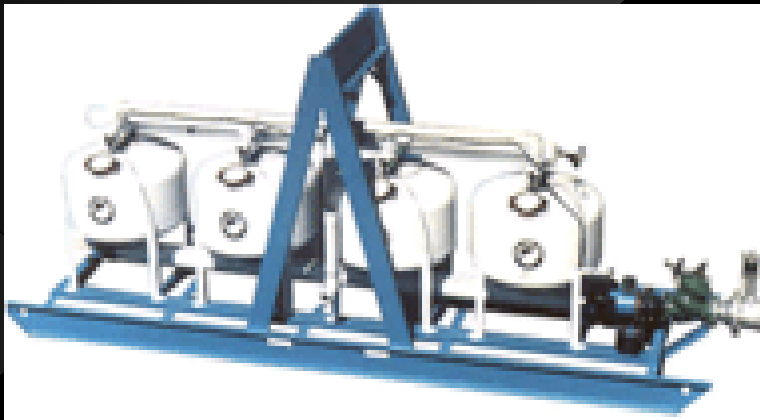
BCPeabody Key Subcontractor

Rain for Rent

- Rain for Rent is a highly regarded and well known in the dewatering industry.
- Have been setting the performance standard for complete liquid handling solutions since 1934.
- Experienced professionals who designed and will install a custom system for the final treatment step at the Waste Water Treatment Site.



48-4 Sand Media Filter



BF 1000 Bag Filter Housing





Special Skills/Capabilities of the Team

- State of Florida Certified General Contractor
- Two registered Professional Engineers in State of Florida
- Two Former Heads of Regulatory Division, USACE
- Local knowledge
- In-House Environmental Expertise
- Experts in Hydro-Cyclone Operations for Dredging
- Experienced in Rapid Response & Mobilization
- Technologically advanced and proven equipment

Hernando Beach Dredge Project

Concept of the Operation





Constraints

- Insufficient time for Major Modification of FDEP & Corps Permits
- Sediment must be dredged with hydraulic dredge
- Dewatering will be accomplished at the Waste Water Treatment Plant site
- Dredging restricted to daylight hours
- Minimize quality of life impacts to surrounding community



Facts

- All spoil material removed from channel is owned by County
- Options for location of temporary disposal of material stipulated in permit / solicitation
 - 40,000 cy to a third party
 - Spoil Islands for rock (12 inches in size and larger)
 - SunWest Mine
 - Other site(s) require FDEP/Corps approval
- FDEP must approve Dewatering & Disposal Plan
- There will be intense interest from Media, Regulatory Agencies and Local Residents



Assumptions

- County will approve Dewatering & Disposal Plan within 3 (three) days of receipt
- FDEP will approve the Dewatering & Disposal Plan within 30 days of submission
- SunWest lease will be renewed or another site a similar distance will be provided by the county at NTP.
- Engineering Drawings will be made available to contractor (in CAD)



Concept of the Operation

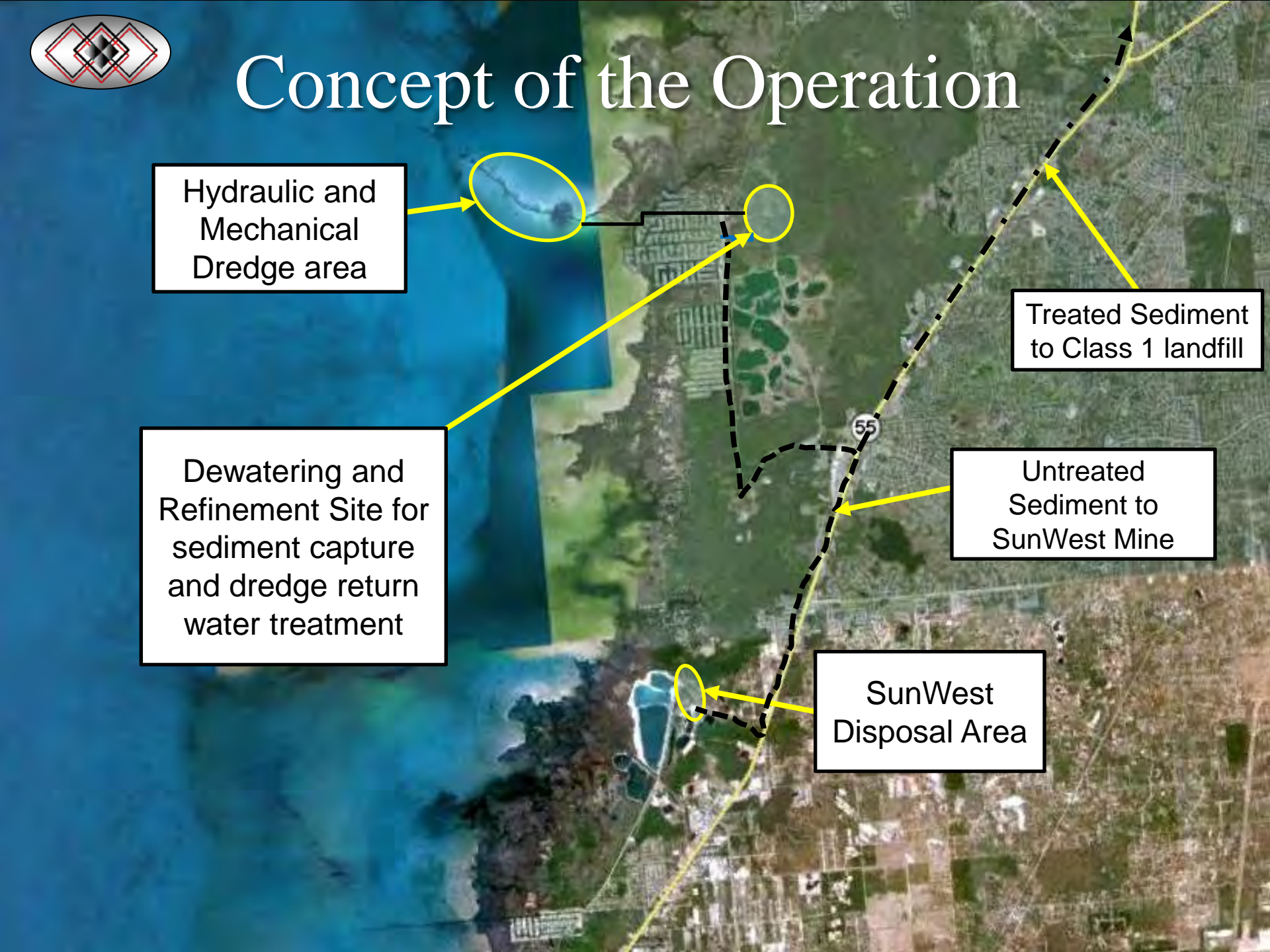
Hydraulic and Mechanical Dredge area

Dewatering and Refinement Site for sediment capture and dredge return water treatment

Treated Sediment to Class 1 landfill

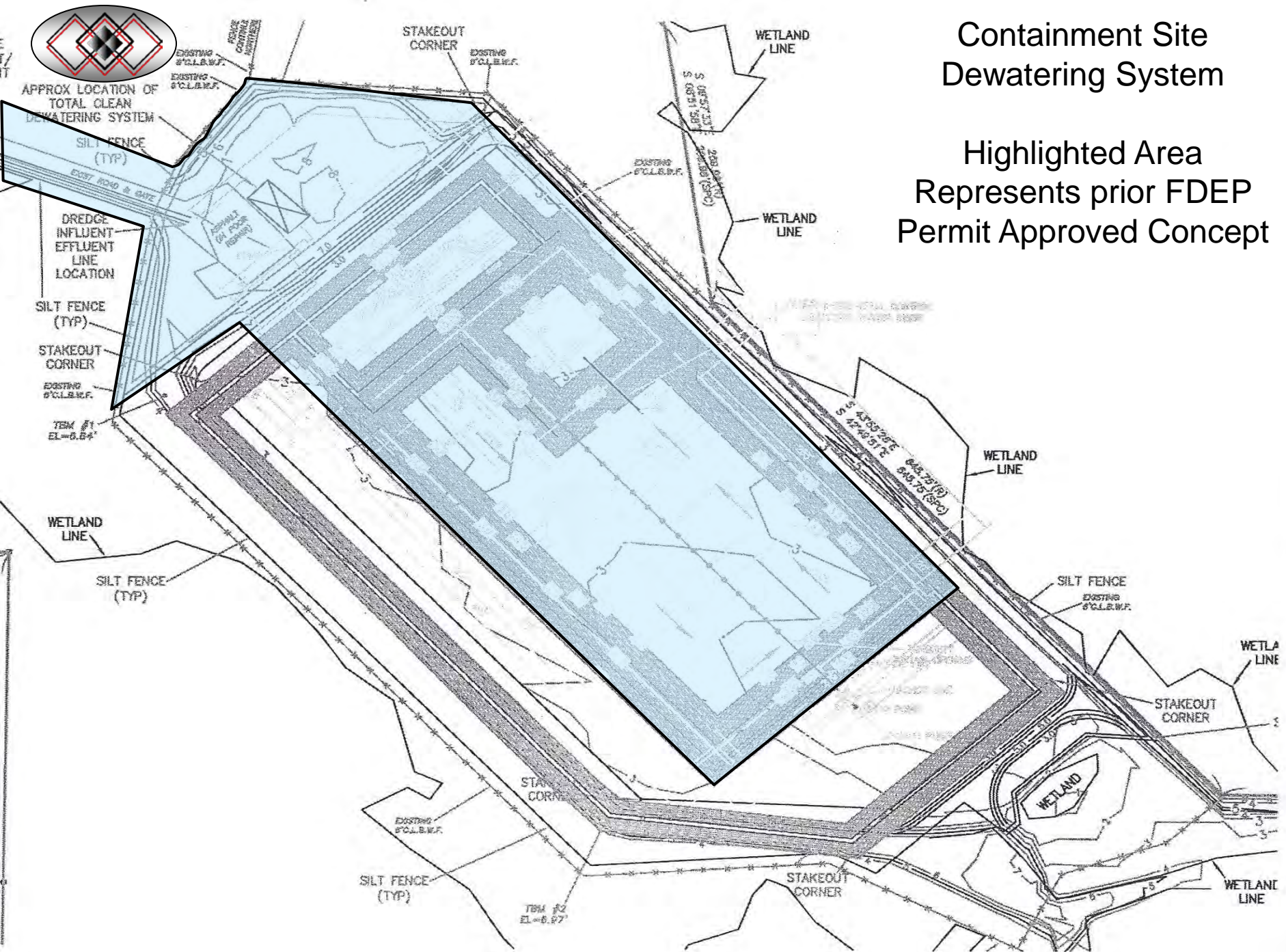
Untreated Sediment to SunWest Mine

SunWest Disposal Area

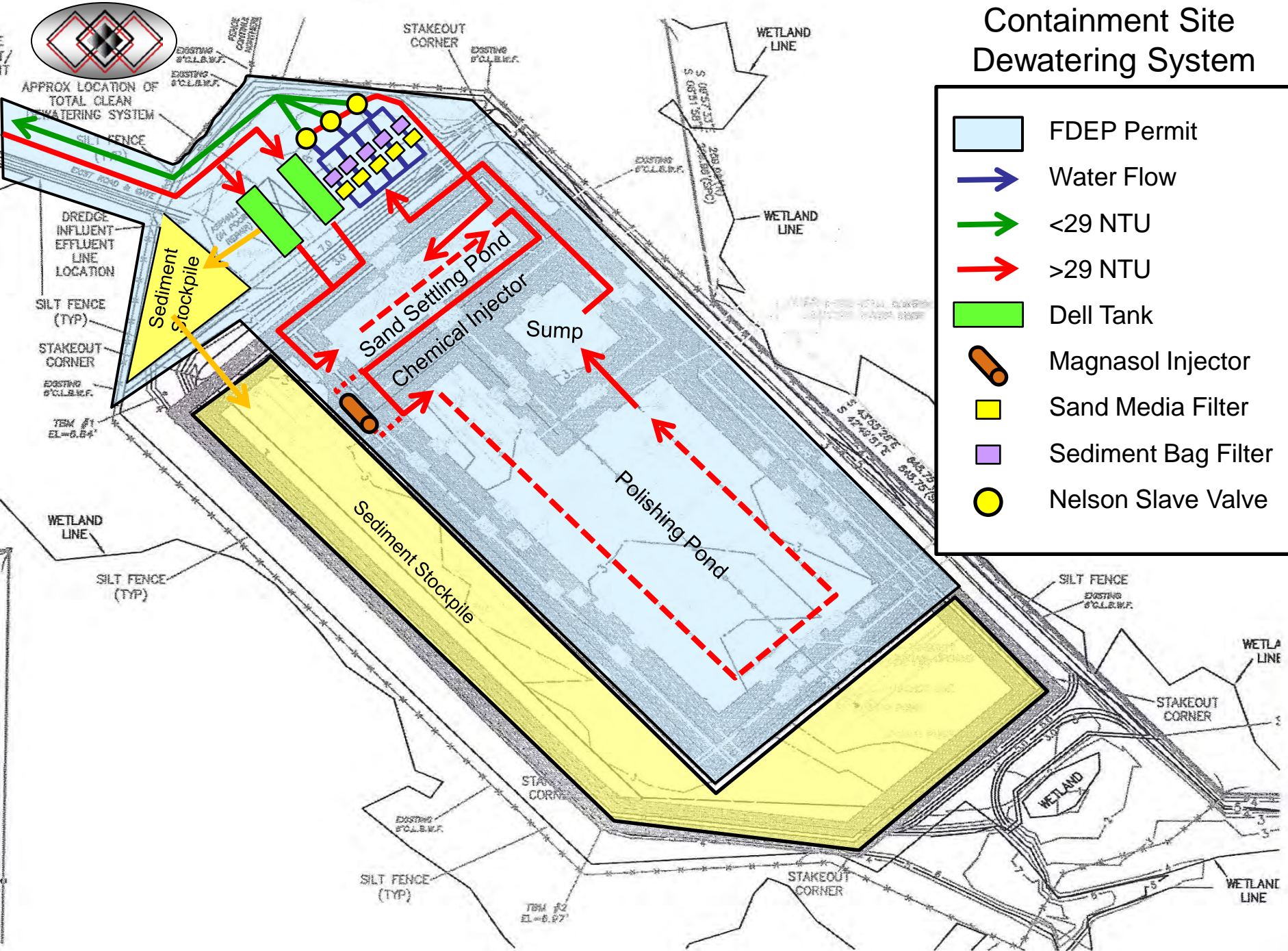


Containment Site Dewatering System

Highlighted Area
Represents prior FDEP
Permit Approved Concept

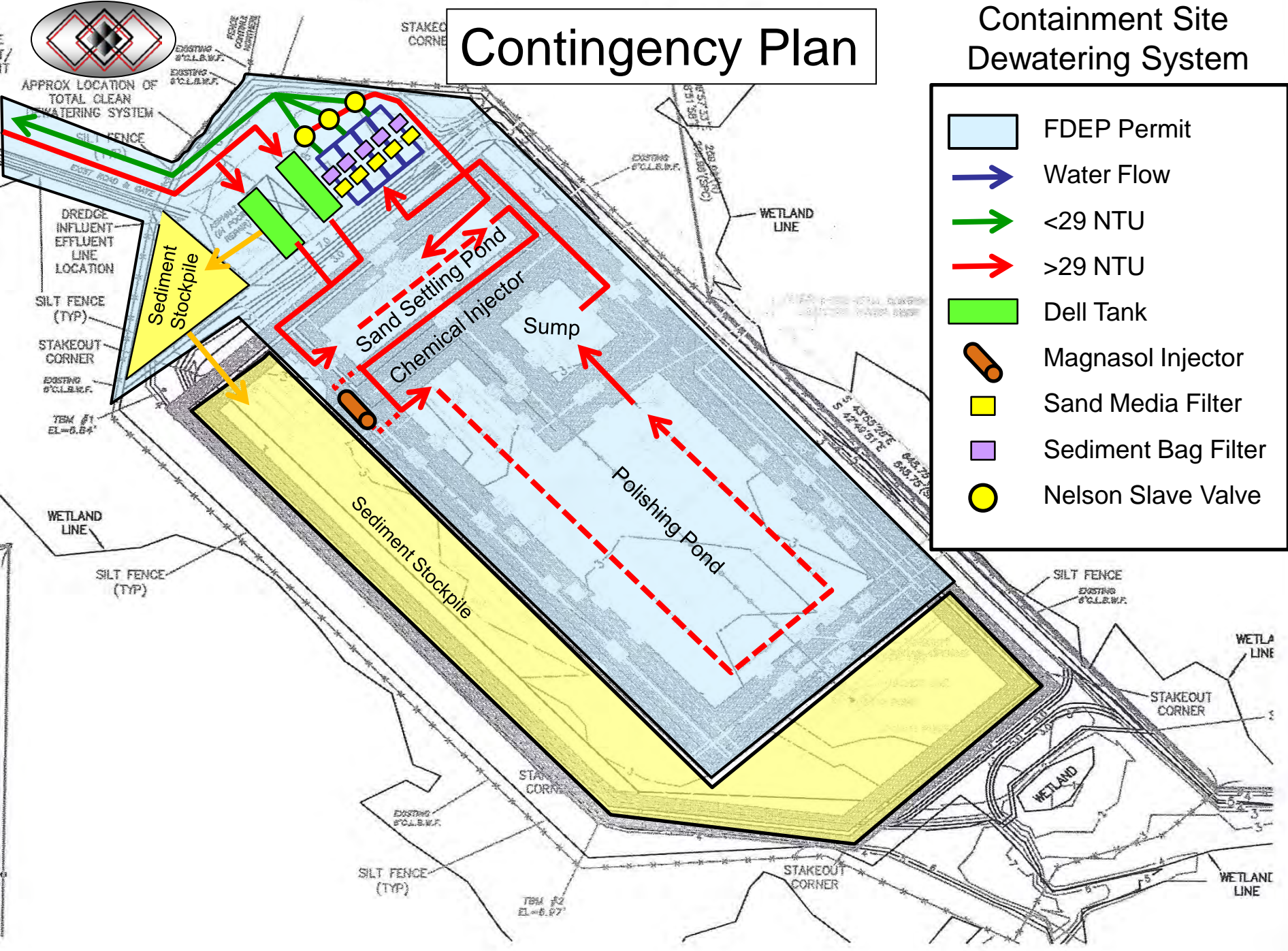


Containment Site Dewatering System



Contingency Plan

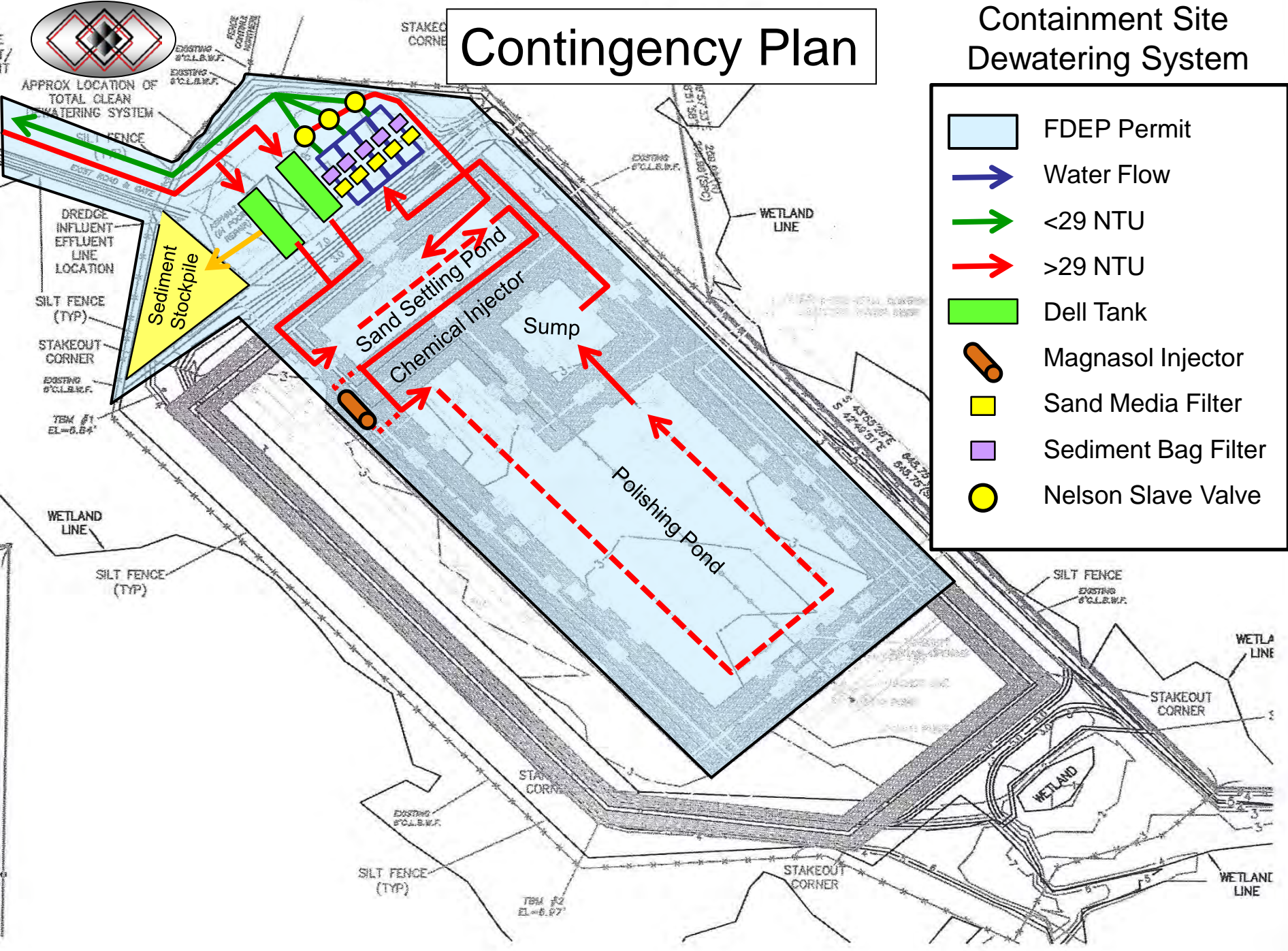
Containment Site Dewatering System












- FDEP Permit
- Water Flow
- <math>< 29 \text{ NTU}</math>
- >math>> 29 \text{ NTU}</math>
- Dell Tank
- Magnasol Injector
- Sand Media Filter
- Sediment Bag Filter
- Nelson Slave Valve

Contingency Plan

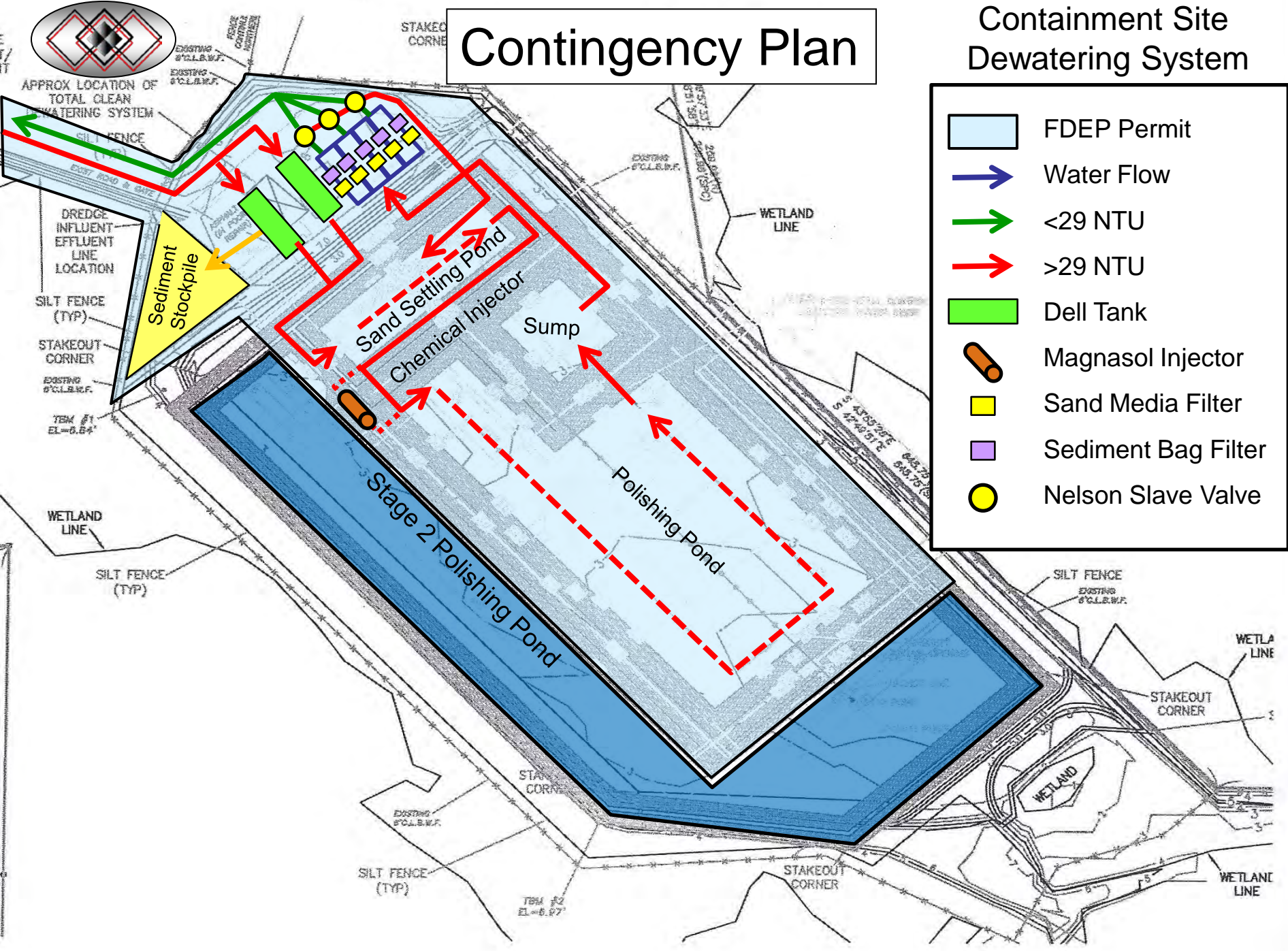
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










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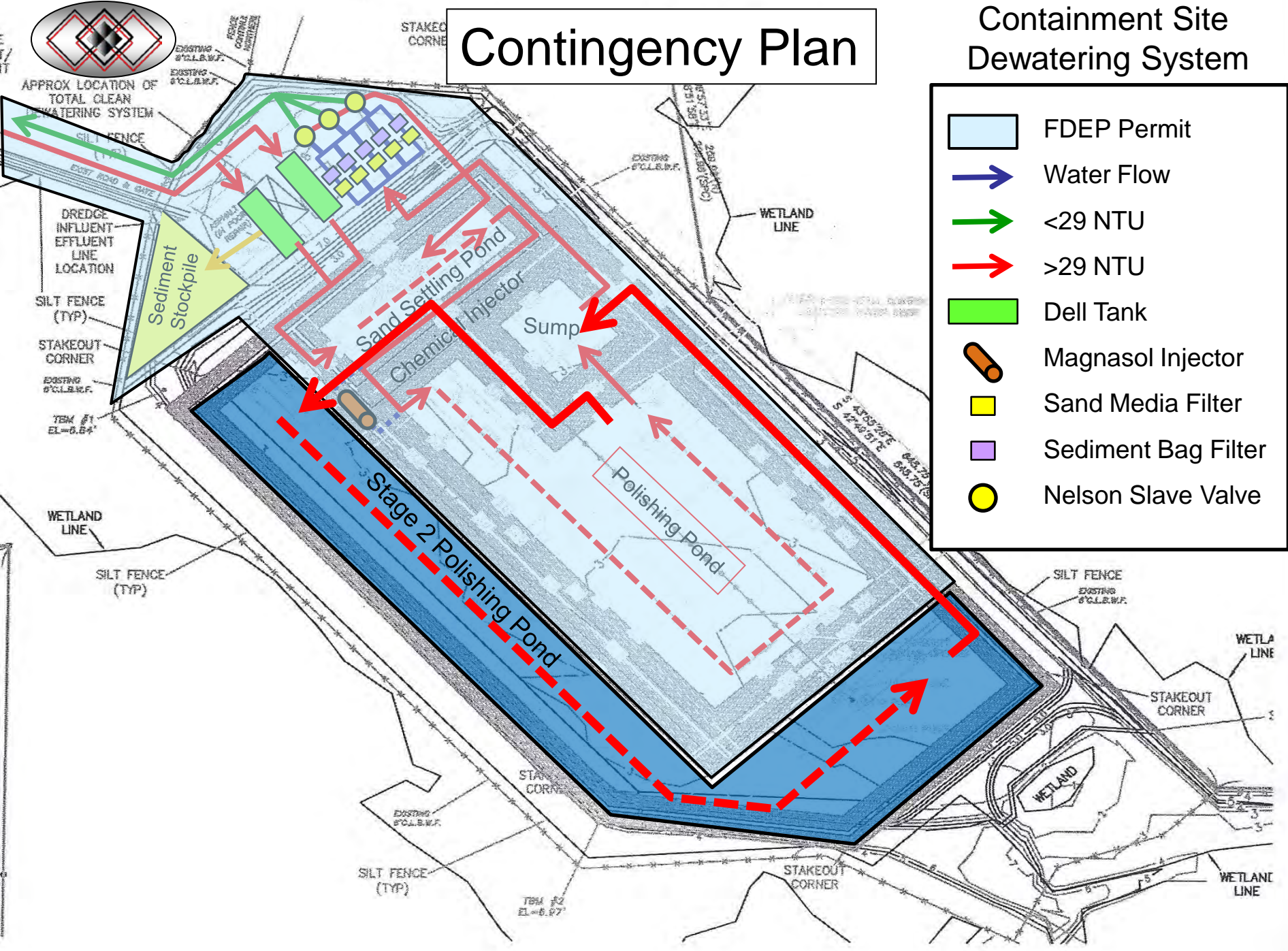
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Contingency Plan

Containment Site Dewatering System



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Hydraulic Dredge Ops

Dredge Sediment Pipeline

Dewatering and Refinement Site

Treated Water Return Pipeline



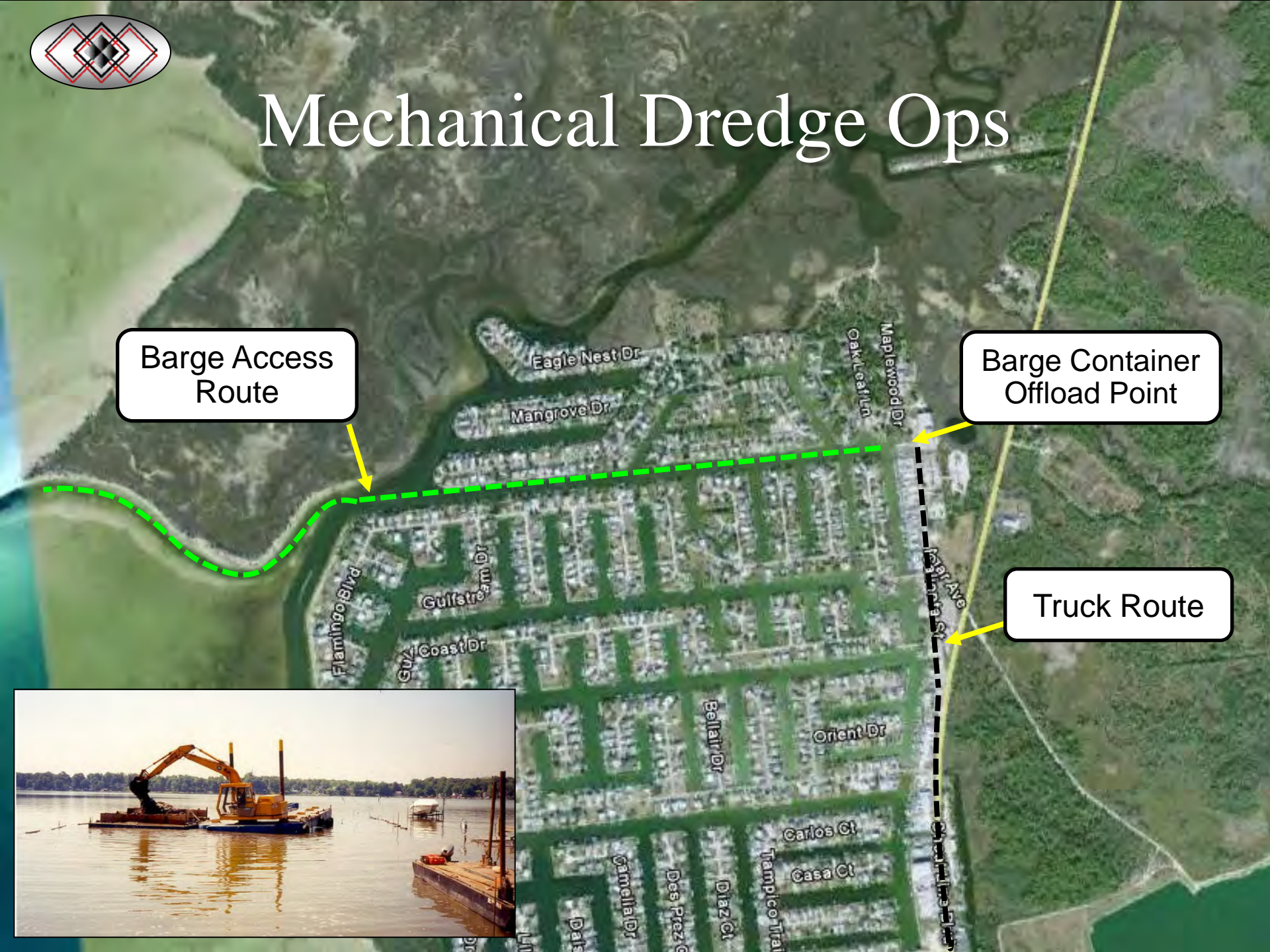


Mechanical Dredge Ops

Barge Access Route

Barge Container Offload Point

Truck Route





Material Disposal Plan



Rock Loading Point

Sediment Loading Point

Treated Material Truck Route To Class I Landfill

Clean Material Truck Route Shoal Line – US 19

SunWest Disposal Area





Project Timeline

Activity	Duration (Days)	NTP +30	NTP+60	NTP+90	NTP +120	NTP +150	NTP +180	NTP +210	NTP +240	NTP +270	NTP +300	NTP +330
Receive Notice to Proceed (15 March)	0											
Dewater & Disposal Plan	47											
Mobilize to WWTP Site	7											
Construct WWTP & Startup	45											
Hydraulic Dredging	184											
Mechanical Dredging	105											
Restore WWTP	30											
Demobilize	14											

NTP on 15 March 2011 = Completion on 27 January 2012



Plan Highlights

- Focused on solving the problem - turbidity.
- Proven method when managed and operated professionally
- Turbidity solution is at the Treatment Site.
 - Plan for every inch of available land to hold water and let fines settle
 - Build the Treatment Site as fast as possible (24/7)
 - Build in Flexibility of Operations
 - Build in Redundancy at all critical treatment mechanisms
 - Make sure FDEP will be able to approve the plan without RAI's
 - Must have automated assurance of compliance (Nelson Slave Valve)
- Unity of Effort between Dredge and Treatment
 - Direct link between Dredge Operator and WWTP site
 - Don't invite risk by trying to segregate 12" rock
 - Fail safes in place to prevent permit violation and FDEP shutdown



Conclusion

- We understand the Problem.
- We've assembled a First Class Team to solve that Problem.
- We will put our company leadership on this job, this job is our top priority
- We will complete this project on time and on budget.
- We are local, leadership all lives within 45 miles of channel, we will put Hernando County back to work
- We have a Comprehensive, Turn-Key Solution.
- We are prepared to negotiated and are prepared to start work immediately