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21 January 1991
File No. 442-119

Mr. David Bock
Harris Corporation
1025 W. Nasa Boulevard
Melbourne, FL 32919

Re: Additional Lagoon Area Remediation
Harris Corporation Brault Lagoons

Dear Mr. Bock:

Enclosed are seven copies of the final plans and specifications for the above referenced project:

Drawing 442-119-1 - Additional Lagoon Area Remediation Plan (1" = 20)

Technical Specifications

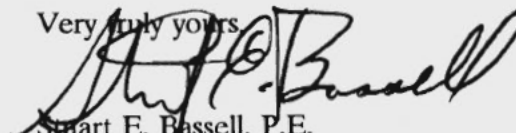
Section 02000	Section 02002
Section 02001	Section 02003

Details

D-1, D-2, D-3, D-4, D-5

Please call me or Harvey Goldberg if there are any questions.

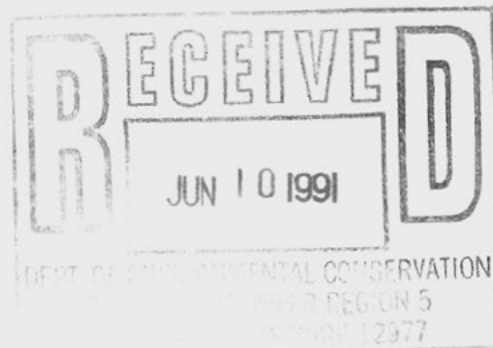
Very truly yours,


Stuart E. Bassell, P.E.
Project Manager

SEB/mb

enc.

cc: Robert Morgan (1)
Kevin Young (1)





June 4, 1991

Mr. Dan Steenburg
New York DEC
Route 86 - DEC Building
Ray Brook, NY 12977

SUBJECT: Brault Lagoons

Dear Mr. Steenburg

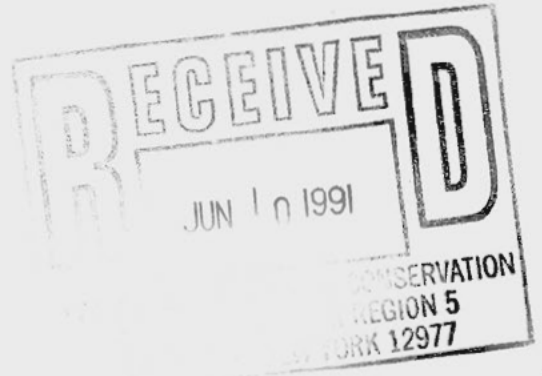
Enclosed are the technical specifications and construction drawings for the excavation of materials from the lagoon area at the Brault Lagoons Remedial Site. As we have discussed, this activity is to commence as soon as possible after July 1, 1991. Qualified contractors are currently being identified so that the bid process may begin. As soon as a contractor is selected and a detailed project schedule is established it will be forwarded to you for your information. If you have any questions or comments regarding this matter please contact me at (407) 724-3605.

Sincerely,

A handwritten signature in cursive script, appearing to read 'David W. Bock'.

David W. Bock
Project Manager
Environmental Programs

cc: R. Morgan w/o enclosure
K. Young w/o enclosure
R. Sands w/o enclosure
D. Erdley w/o enclosure
S. Bassell w/o enclosure



SECTION 02000

DEWATERING, EXCAVATION AND LAND SPREADING

Part 1 - GENERAL

10.1 Work Included

- A. The work included under this Section shall consist of but not be limited to dewatering, excavating, stripping of topsoil, stockpiling, sediment removal, dike construction, land spreading, pumping, decontamination, transporting and disposing of contaminated disposable items, etc, as shown on the Plans, Details and as specified.

Part 2 - DEWATERING

- 2.01 The Contractor shall remove the liquid contents of Lagoons Nos. 1 and 2 and dewater the excavation as shown on the Plans, Details and as specified.

Part 3 - EXCAVATION AND LAND SPREADING

- 3.01 After the standing water in the lagoons has been dewatered to the extent practical, the Contractor shall excavate the soil from Lagoons Nos. 1 and 2 according to the attached Plans, Details, and specifications. The excavated material shall be tested with an OVA meter to determine whether or not it is contaminated and shall be either stockpiled or land spread so as to contain and capture any residual soil water. All contaminated soil shall be land spread in the recapture zone of PW-11 as shown on the Plans, Details and as specified. All non-contaminated soil shall be stockpiled at the location shown on the Plans.
- 3.02 The Contractor shall construct a 1 ft high earthen berm around the recapture zone of PW-11 to eliminate the surface runoff from entering this area and to prevent contaminated water from leaving it.

SECTION 02001

DECONTAMINATION OF EQUIPMENT

Part 1 - GENERAL

10.1 Work Included

- A. The work included under this section consists of decontaminating all personal and earth moving or handling equipment used by the Contractor. Decontamination of the equipment is necessary to prevent the spread of contaminated soil.

Part 2 - EXECUTION

2.01 Equipment Clean Up

- A. All decontamination work shall be conducted within the berm and recapture zone of PW-11 as shown on the Plans, Details and as specified.
- B. The Contractor shall decontaminate all of the equipment used to handle the contaminated soil. Decontamination procedures will consist of, first, mechanically removing the soil from the equipment. Mechanical removal is defined as any method used to brush or, scrape loose soil particles from the equipment.
- C. Following mechanical removal of the soil the Contractor shall use a steam cleaner to steam the equipment. All equipment shall be high pressure washed and steam cleaned prior to removal from the site.
- D. All contaminated disposables (i.e. any equipment or materials that cannot be decontaminated and reused) shall be disposed of offsite in accordance with applicable laws and regulations. Copies of all hazardous waste manifests shall be provided to the Owners Representative.

SECTION 02002

SNOW FENCE

Part 1 - GENERAL

1.01 Scope of Work

The work included under this section includes all labor, equipment, materials and supervision necessary to construct the snow fence around the entire perimeters of lagoons Nos. 1 and 2 as shown on the drawings and as specified. This snow fence will be left in place after completion of the project.

Part 2 - MATERIALS AND INSTALLATION

- 2.01 The Contractor shall submit with his bid catalog sheets of the snow fence proposed for installation, and details on how he proposes to install the fence including dimension, supports, etc.

SECTION 02003

FIELD OFFICE

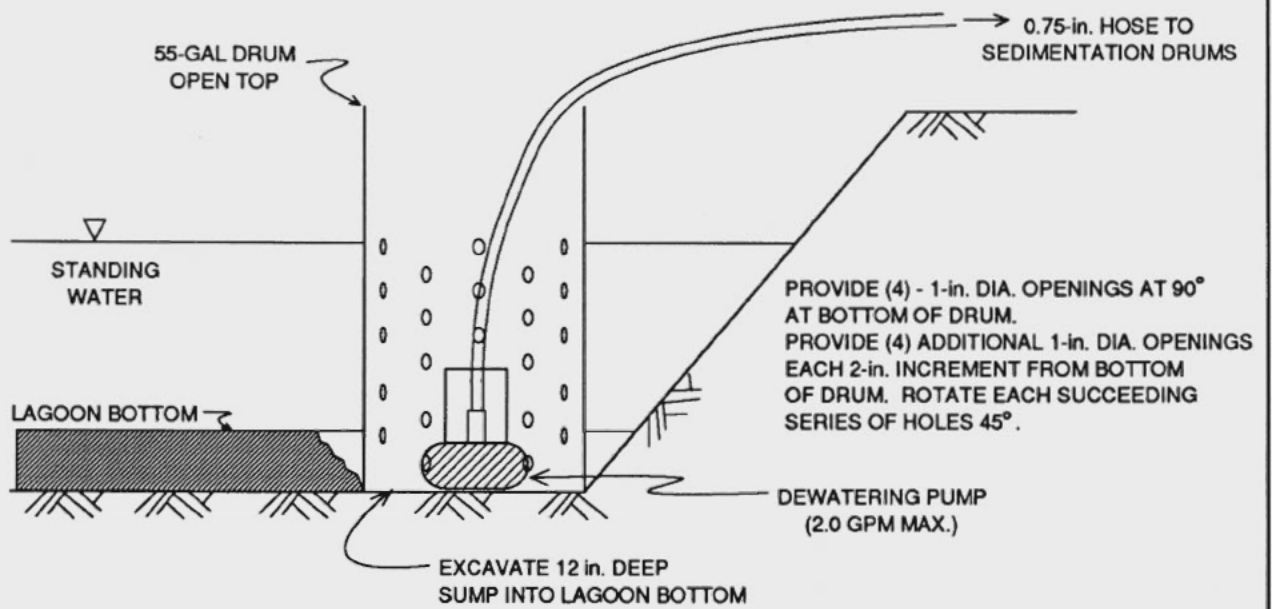
The Contractor under this Contract shall supply a field office to be shared with the Owners Representative. The space provided shall consist of one room with a total floor area of 200 square feet, not including space required for the toilet room and heating room. The construction shall be adequate throughout, well insulated, and with adequate windows and doors. One door shall be an exterior door with a "storm" entrance.

The Contractor may, at his option, furnish a trailer of equivalent floor area, suitably appointed.

Heat shall be provided by a propane heating system and shall be capable of maintaining inside temperature at 68°F. Toilet facilities shall also be provided.

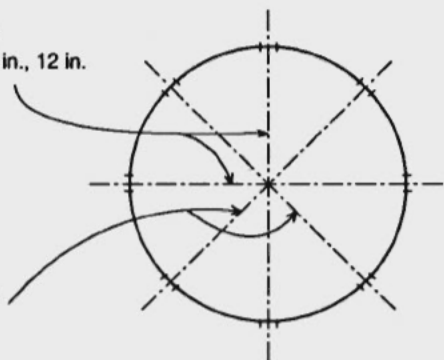
The Contractor shall furnish and install furniture and equipment which need not be new, but which must be in first-class usable condition. This furniture and equipment shall include:

- One 3' x 7'-6 in. Plan Table with Drawers
- Three Straight-Back Chairs
- One Steel Waste Basket



(4) 1-in. DIA. HOLES
AT BOTTOM, 4 in., 8 in., 12 in.

(4) 1-in. DIA. HOLES
AT 2 in., 6 in., 10 in.

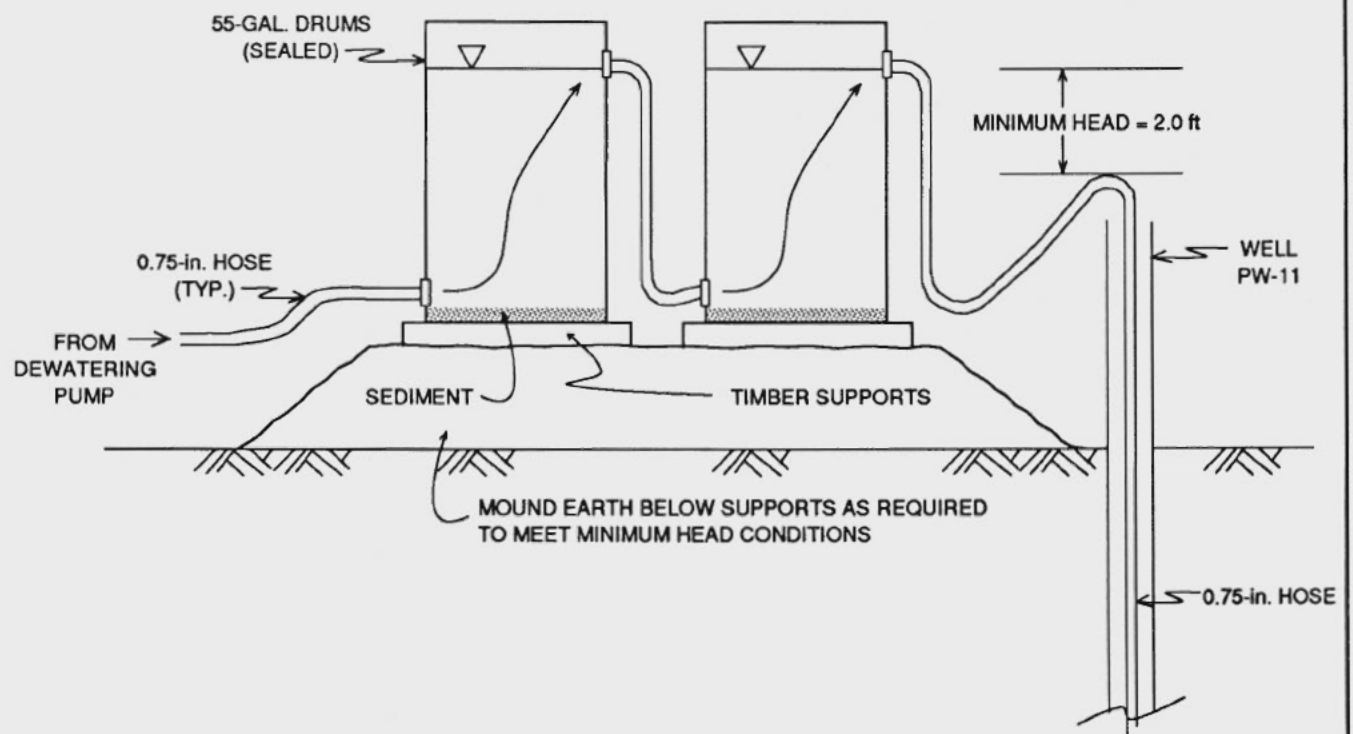


NOT TO SCALE

FIGURE D-1

DEWATERING PUMP DETAIL

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Pearl River, New York



- MAX. PUMPING RATE = 2.0 GPM
- SEDIMENTS IN DRUMS ARE TO BE LAND SPREAD IN PW-11 RECAPTURE ZONE
- DRUMS AND PIPING ARE TO BE REMOVED FROM SITE AND DISPOSED OF IN APPROVED MANNER

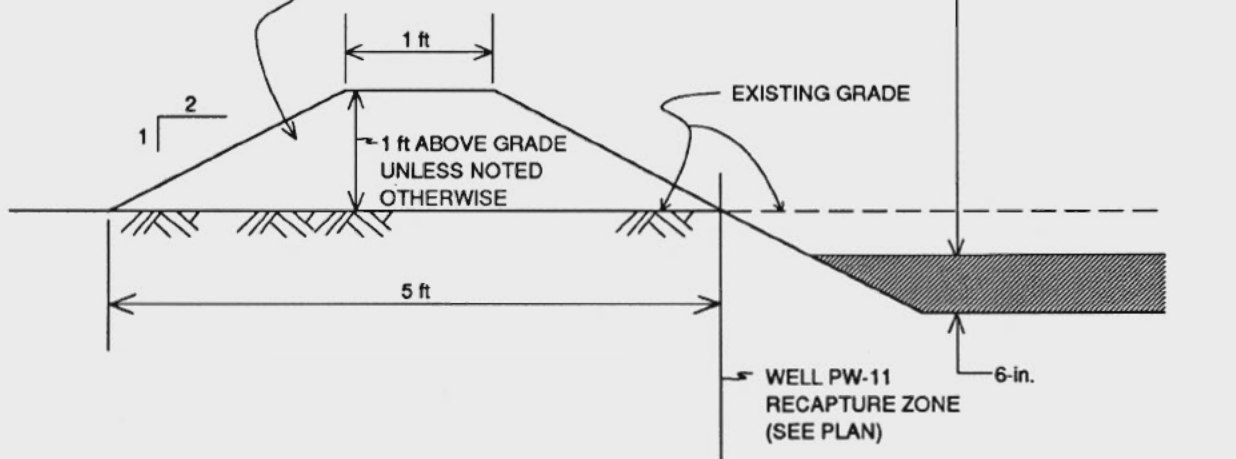
NOT TO SCALE

FIGURE D-2

SEDIMENTATION DRUM DETAIL

LAWLER, MATUSKY & SKELLY ENGINEERS
Pearl River, New York

COMPACTED TOPSOIL
STRIPPED FROM WELL PW-11
RECAPTURE ZONE

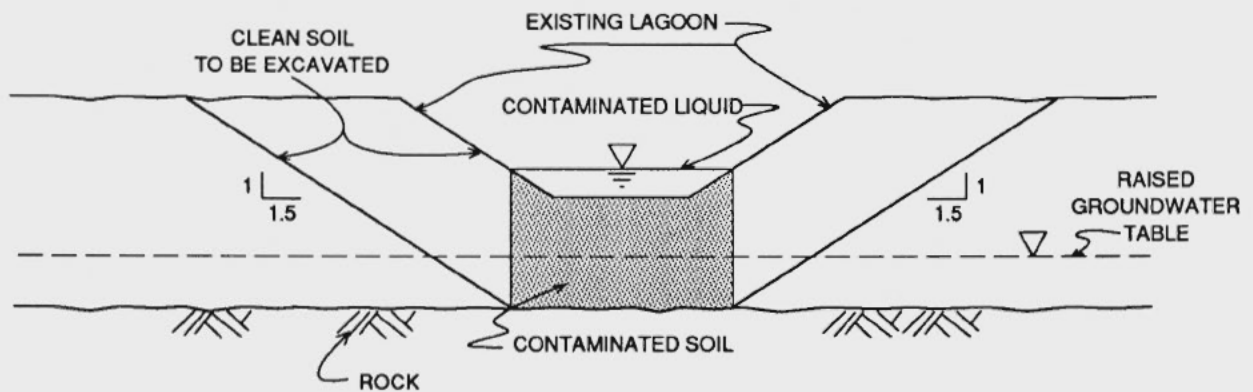


NOT TO SCALE

FIGURE D-3

DIVERSION/CONTAINMENT DIKES

LAWLER, MATUSKY & SKELLY ENGINEERS
Pearl River, New York



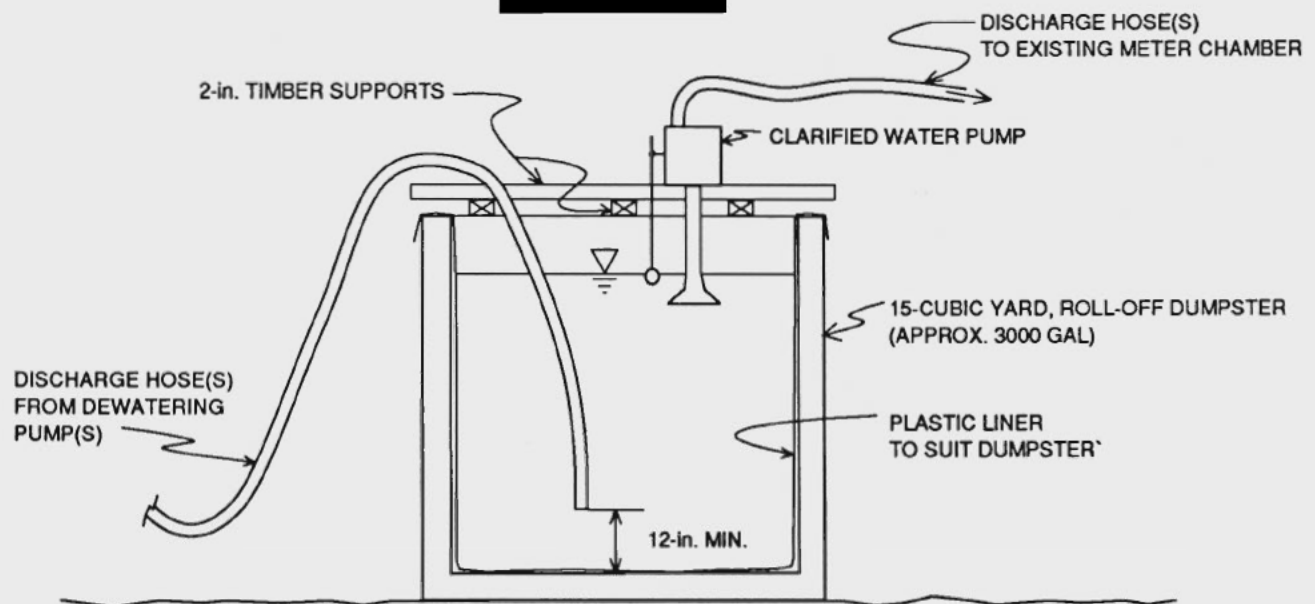
- CONTAMINATED LIQUID TO BE PUMPED THROUGH SEDIMENTATION DRUMS AND DISCHARGED TO WELL PW-11 (SEE DETAIL).
- CONTAMINATED SOIL TO BE LAND SPREAD IN 6-in. LAYER INSIDE DIKE OF WELL PW-11 RECAPTURE ZONE.
- CLEAN SOIL TO BE REMOVED AND STOCKPILED AT LOCATION SHOWN ON PLAN.
- THE DETERMINATION OF WHETHER OR NOT SOIL IS CONTAMINATED SHALL BE MADE BY OWNER'S REPRESENTATIVE.
- IF GROUNDWATER IS ENCOUNTERED CONTRACTOR SHALL DEWATER EXCAVATION AND REMOVE SEDIMENT FROM WATER PRIOR TO DISPOSAL. ALL GROUNDWATER SHALL BE CONSIDERED CONTAMINATED AND MUST BE DISCHARGED TO THE EXISTING AIR-STRIPPING SYSTEM VIA PW-11 OR THE CONNECTION IN THE EXISTING METER CHAMBER. SEE SEDIMENTATION TRAP DETAIL.

NOT TO SCALE

FIGURE D-4

EXCAVATION DETAIL

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Pearl River, New York



- CONTRACTOR SHALL PROVIDE DEWATERING PUMP(S) AND HOSES TO ADEQUATELY DEWATER EXCAVATION.
- CLARIFIED WATER SHALL BE PUMPED INTO THE 2-in. PE LINE TO THE AIR-STRIPPING TOWER VIA THE TWO 1-in. SPARE CONNECTION IN THE METER CHAMBER. A BALL CHECK VALVE SHALL BE INSTALLED IN THE CHAMBER ON EACH 1-in. CONNECTION TO PREVENT BACKFLOW WHEN PUMP PW-11 IS RUNNING. THE CLARIFIED WATER PUMP SHALL HAVE A GREATER CAPACITY THAN THE TOTAL CAPACITY OF THE DEWATERING PUMPS. THIS PUMP SHALL BE CONTROLLED BY AN ON/OFF FLOAT SWITCH. ON/OFF LEVEL SETTINGS SHALL BE FIELD ADJUSTABLE FROM 0-5 ft.

NOT TO SCALE

FIGURE D-5

SEDIMENTATION TRAP DETAIL

LAWLER, MATUSKY & SKELLY ENGINEERS
Pearl River, New York