

ARDAMAN & ASSOCIATES, INC. PROGRESS MEETING REPORT FOR PINEY POINT GYPSUM STACK SYSTEM CLOSURE		File No.: 06-110A	Page 1 of 4
		Meeting Date: <u>7/6/06</u>	
		Report No: <u>68</u>	Report Date: <u>7/11/06</u>
Project Name:	CLOSURE CONSTRUCTION - OGS SLOPES, TOP CAPS & RELIEF DITCH, SCP-S AND PHASE II - NGS SLOPES		Project Address: 13300 U.S. Highway 41 North Palmetto, Florida 34221 Manatee County
ATTENDEES: Ardaman: Rob Werner, John Cameron, Tony Deatherage FDEP: CDM: Steve Solters, George Curry, Jean Wilson Moretrench: Paul Davis, Ralph Remmert Comanco: Paul Moore Compass: Tim Morrow, Jeremy Giles			

COPY TO: FDEP: Phil Coram, Sam Zamani, John Coates
 Ardaman: Nadim Fuleihan, Rob Werner, Tom Leto, John Cameron, Tony Deatherage
 CDM: Steve Solters, Dean Carter, Michael Edgar, Michael Cruz, Dick Slovarp
 Moretrench: Al Schuman, Steve Voytko, Mike Panny, Nick Haddon, Ralph Remmert
 Comanco: Tom Topp, Paul Moore
 Compass: Tim Morrow, Jeremy Giles, Tom McSweeney

Next Meeting is Scheduled for Thursday, July 13, 2006
Site Tour at 8:00 am followed by
Construction/Engineering & CDM Operations Meetings

1.0 REVIEW MINUTES OF PREVIOUS MEETING

No corrections were noted.

2.0 SAFETY

No safety incidents were reported.

3.0 SUMMARY OF WORK PERFORMED

Moretrench:

- Continued work on Phase II Slope Closure - removed top sections and capped existing manholes on the south slope, continued finish grading the east slope including fine grading washouts, installed structure #3 in the east ditch, and started fusing pipe for the seepage collection header pipe.
- Completed repairs to existing crack in the dike between the NGS-S and NGS-S Cap.
- Well Water usage this report - 5,000 gallons used for dust control since last report.
- Equipment: 5 D-6 dozers, 1 D-8 dozer, 1 compactor, 2 excavators, 1 water wagon, 1 loader, one 6-inch hydraulic pump - 13 personnel.

Comanco:

- Completed deployment of the Phase I OGS stormwater ditch 80-mil liner - grand total was reported at 524,547 sf (contract amount), and continued detail work.
- Received 15 additional rolls of 80-mil smooth liner (45 total) and 26 rolls of 80-mil textured liner for the SCP-S Process Water Sump. It was noted that 42 "old" rolls of 80-mil textured liner are still in inventory for the Phase II Slope Closure stormwater ditches.
- Equipment: 1 excavators, 2 3-inch pumps, 1 loader, 1 track crawler dump, 1 4x4 Honda 350 w/trailer, 2 pick-up trucks, 1 QC trailer, 5 generators - 13 personnel

Compass:

- Continued irrigation on the OGS-S slopes and watering for dust control, and completed mowing OGS-S slopes and cap areas.

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- Resumed hauling fill from the SCP-S west dike to the Process Water Sump north and east dikes; 1,430 cy was hauled since last report; 5,830 cy total (by truck load estimate) as of 7/5/06.
- Continued grading the SCP-S Process Water Sump pond bottom, and hauling and placing fill to cover the sludge; 3,520 cy was hauled since last reported; 30,976 cy total (by truck load estimate) as of 7/5/06.
- Well Water usage this report - 115,000 gallons.
- Equipment: 2 dump trucks, 1 water wagon, 2 D-6 dozers, 2 excavators, 1 compactor, 1 Case dozer - 6 operators.

CDM

- Continued receiving soil fill material from L.A. Enterprises for construction of the Phase II Slope Closure perimeter dike - 18,921 cy total as of 7/5/06, and gravel for drain construction - 4,609.22 tons for the Phase II Slope Closure, and 1,000 tons for the SCP-S Closure - cumulative totals reported by CDM as of 7/5/06.
- Also received 1 manhole sump for the SCP-S PWS.

4.0 PROJECTED WORK FOR NEXT WEEK

Moretrench:

- Continue work on Phase II Slope Closure - constructing and grading the stormwater pond and perimeter dikes, fine grading the south and east crest roads, fine grading the south ditch, and start installing the seepage collection drain in the east ditch.

Comanco:

- Continue liner detail work in the Phase I Slope Closure south and west stormwater ditches.
- Continue receiving liner rolls for the SCP-S PWS and the Phase II Slope Closure.
- Resume modifications to the NGS-N spray evaporation system.
- Start liner deployment on the SCP-S partition dike, and/or the Phase II Slope Closure stormwater ditch, pending subgrade acceptances.

Compass:

- Continue irrigating OGS grassed slopes and watering for dust control.
- Continue grading the SCP-S Process Water Sump dikes and bottom, and placing fill to cover the sludge; also install inlet structure 1.
- Resume grassing remedial work (subcontractor Tate Environmental) on the NGS-N Relief Ditch slopes; also start remedial grading on the OGS-Cap slopes.

5.0 SURVEY NOTES

- A final composite as-built drawing needs to be submitted by Moretrench/Edgemon for the Phase I Slope Closure stormwater ditches.
- Compass/Edgemon surveyed the SCP-S Process Water Sump grades on 6/28/06, and the south and west borrow dikes on 6/29/06; drawing is in progress. Ardaman also requested take-up quantities.
- Compass/Edgemon as-built surveyed the SCP-S PWS relief drain on 6/16/06 - the survey drawing was provided to Ardaman at the 6/29/06 construction meeting.
- Moretrench/Edgemon performed an as-built and take-up survey on the Phase II Slope Closure slopes on 6/29-30/06; survey drawing is in progress. This survey may be used to document as-built grades for the Phase II north slope above the 1:1 cut and for final quantity determinations along "fattened" areas on the south and east slopes, providing all grading work in those areas is complete.

6.0 PROJECT SCHEDULE

- No workdays were lost to weather this reporting period.
- The project schedule will be updated by CDM and distributed by email on Wednesday, 7/12/06.
- Weekend work schedule: Moretrench and Compass will work on Saturday, Compass will work on Sunday.

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7.0 SHOP DRAWINGS and SUBMITTALS

All shop drawings and submittals should be submitted to Rob Werner (Ardaman) for approval, with transmittals only copied to John Cameron (Ardaman) and Steve Solters (CDM).

- Split samples of soil fill from L.A. Enterprises were taken by CDM and FDEP on 6/15/06 for testing. CDM distributed analytical results to FDEP and Ardaman by email on 6/29/06.
- An official submittal/proposal by CDM for the gravel erosion protection yet to be installed along the inboard slope of the access road at the toe of the OGS-S slope cover is forthcoming pending internal review.
- CDM indicated that rolls of woven geotextile, originally purchased for use as reinforcement on the SCP-S Pond Water Sump pond bottom, have been moved indoors to the DAP storage building

8.0 TECHNICAL ITEMS/CLARIFICATIONS AND QUALITY ASSURANCE

Updated drawing sets, dated 9/28/05, were distributed at the 9/29/05 meeting for the NGS-S Cap and NGS-N Relief Ditch and the Phase I Slope Closure. Revised Phase I Slope Closure drawing Nos. C-2, C-5, C-6, D-6, D-9, D-10, D-11), dated 2/15/06 (various revision nos.) were distributed at the 2/16/06 construction meeting to reflect changes related to lowering the OGS south stormwater ditch seepage collection drain. Electronic (ACAD) are available for download from Ardaman's ftp web site. Current drawings, dated 12/16/05, were distributed at the 12/16/05 meeting for Slope Cover Construction - OGS Ponds. Current drawings (including all detail drawings for structures, drains, etc.), dated 12/22/05 (various revision nos.), for the Phase II Slope Closure were delivered to CDM at the site on 12/23/05. Current drawings (including all detail drawings for structures, drains, etc.), dated 1/11/06 (various revision nos.), for the SCP-South Compartment Closure were distributed on 1/12/06, along with CD's containing ACAD files for all current for the SCP-South and Phase II slope Closure drawings. Revised SCP-South Compartment Closure Drawing No. D-6, dated 2/15/06 (Rev. 1), was distributed at the 2/16/06 construction meeting to reflect changes related to the lowered the OGS south seepage collection drain - an electronic version (ACAD) was emailed to CDM and Moretrench on 2/28/06.

Regarding specifications for the OGS Slopes, Top Cap Areas and NGS-N Relief Ditch, pertinent NGS-S Reservoir, Phase II OGS Compartment Closure and ITN specification documents shall be used. Pertinent specification sections from the Phase II and ITN sources, along with specifications for HDPE panel drains and concrete erosion control mats, were issued in a preliminary specification document (Sections 24, 25, 26, 27, 28, 29 and 30, all revision 0, dated 7/6/05) on 7/7/05. Additional supplemental specifications for "Woven Geotextile" and "General Earthwork Using Soil" (Sections 31 and 32, both revision 1, dated 1/4/06) were distributed at the meeting on 1/5/06.

- Preliminary drawings and CD's were distributed at the 9/15/05 meeting for the NGS-S Soil Slope Cover Construction, C-1 through C-5 for Contractor's use in estimating take-off quantities.
- Regarding finish grades for the SCP-S Process Water Sump, Ardaman distributed a drawing (attached) at the meeting indicating proposed optional design grades for the pond bottom area which may be used at CDM's discretion to expedite completion of rough grading in light of the successful densification of the sediment/slduge. In general, design grades along the western side of the pond bottom remain unchanged while optional grades within the eastern portion of the pond bottom are up to 1 foot lower. CDM/Compass indicated at the meeting that the optional grades would be adopted.

Quality Control Activities

- Ardaman had 5 technicians on site this reporting period.
- Phase 1 slope closure in-place gypsum/soil density tests - no change - 943 tests passing, none failing, none pending.
- Phase 2 slope closure in-place gypsum/soil density tests - 65 tests passing, none failing, none pending.
- SCP south compartment in-place gypsum/soil density tests - 92 tests passing, none failing, none pending.
- OGS-S slope cover in-place soil fill density tests - no change - 59 passing, none failing, none pending.
- Phase I stormwater ditch liner seam destructive testing (DT's) - 54 marked, 46 passing, none failing, 8 pending. A summary of DT testing (revision 5, dated 6/28/06) was last distributed at the 6/29/06 construction meeting.
- Phase I stormwater ditch liner anchor trench density tests - 47 tests passing, 1 failing, 4 pending.
- SCP-S PWS 80-mil smooth liner conformance testing: a summary of testing status report (Table 1a), was updated on 7/6/06 (revision 1) and was distributed at the meeting.
- SCP-S PWS 80-mil textured liner conformance testing: a summary of testing status report (Table 1b), was updated on 7/6/06 (revision 1) and was distributed at the meeting.

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- Phase II Slope Closure 80-mil textured liner conformance testing: a summary of testing status report (Table 2) for 5 additional rolls, was updated on 7/6/06 (revision 1) and was distributed at the meeting.
- Phase II Slope Closure 60-mil textured liner conformance testing: a summary of testing status report (Table 3), was updated on 7/6/06 (revision 1) and was distributed at the meeting.

Miscellaneous

- Rainfall: CDM reported 1.99 inches from 6/28/06 through 7/4/06.
- Regarding status of the Gulfstream II borrow pit, Gulfstream was to submit the application package this week to SWFWMD and to Manatee County Planning and Environmental Departments.
- Regarding consideration of the Port Manatee dredge disposal borrow area, Compass indicated at the Program Manager's meeting on 6/29/06 that additional discussions will be held with GeoSyntec to determine potential use.

Acceptances

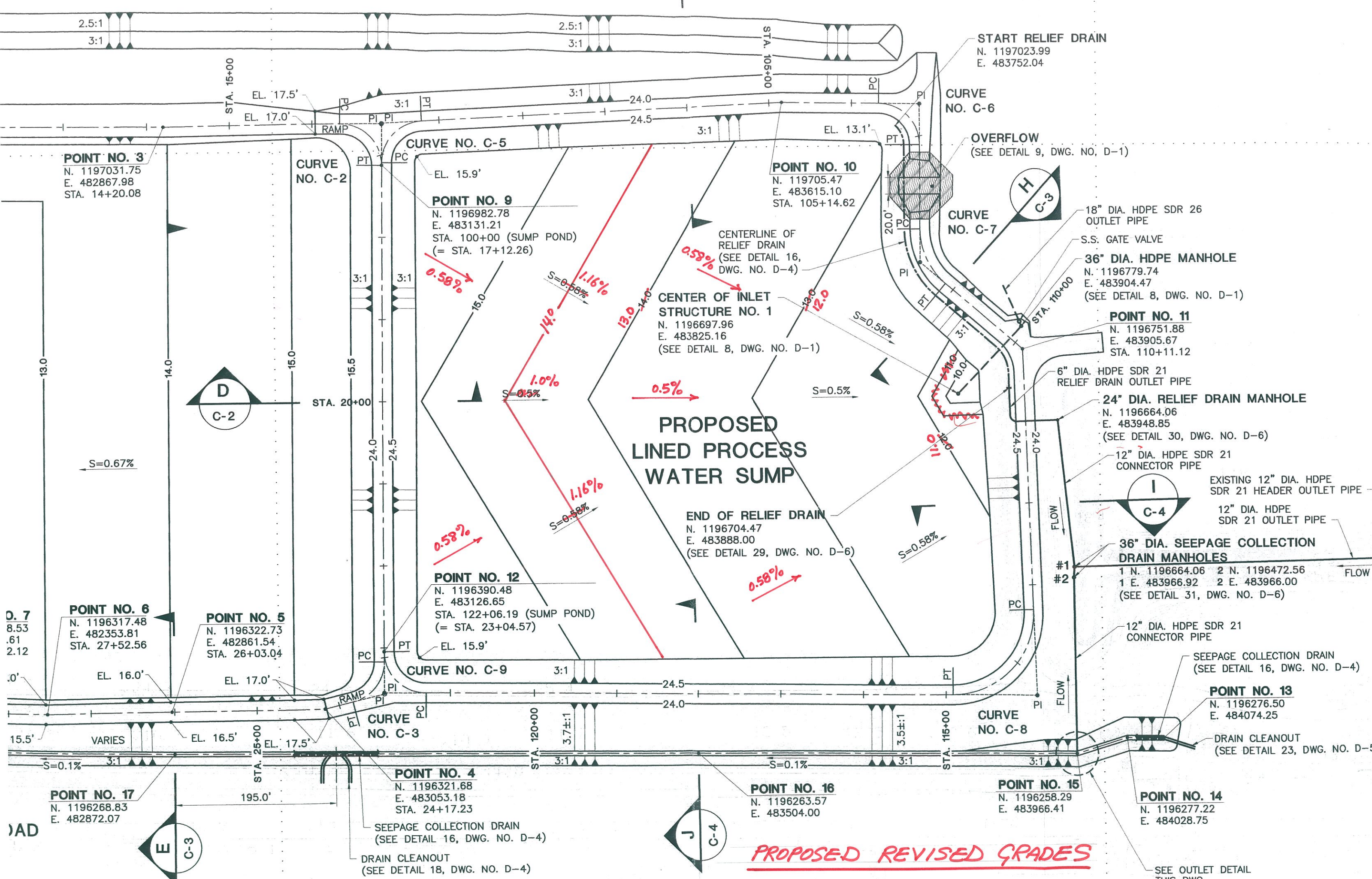
- On 6/29/06 for gypsum amendment and grassing, the NGS Phase II slopes above the 1:1 cut, pending completion of finish grading and correction of crest road grades where applicable.

9.0 COMMENTS by PROGRAM MANAGER

- Change order requests related to Phase I closure gypsum quantity adjustments and Phase I south seepage collection drain lowering are in progress.
- As requested last meeting, CDM received drawings and specifications from Ardaman regarding planned modifications to the NCP perimeter dike and slurry wall.
- Comanco was directed to coordinate all final inspections of completed lined areas with CDM.

10.0 COMMENTS by FDEP

- FDEP was not represented at the meeting.



PROPOSED REVISED GRADES

AD

SEE OUTLET DETAIL
THIS DWG.