

# Procurement of the Fauquier Co VA C&D Processing/Recycling System

Presented: SWANA Blue Box Feb. 5. 2008  
Corpus Christi, Texas

Presentation by: Bob Brickner Executive V-P  
Gershman, Brickner & Bratton, Inc.  
Fairfax, VA

# Fauquier Co. Team...Contract Signed (Mike Dorsey [ES Dir.] & Sue Monaco [Purchasing])



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# Why am I here?

- In Jan. 2006 and March 2006 the County BOS voted to endorse the development of a C&D recycling facility at the County solid waste management complex
- GBB was hired (mid-March 2006) by County to lead the C&D recycling system procurement & negotiations effort (incl. Acceptance Testing of the System)



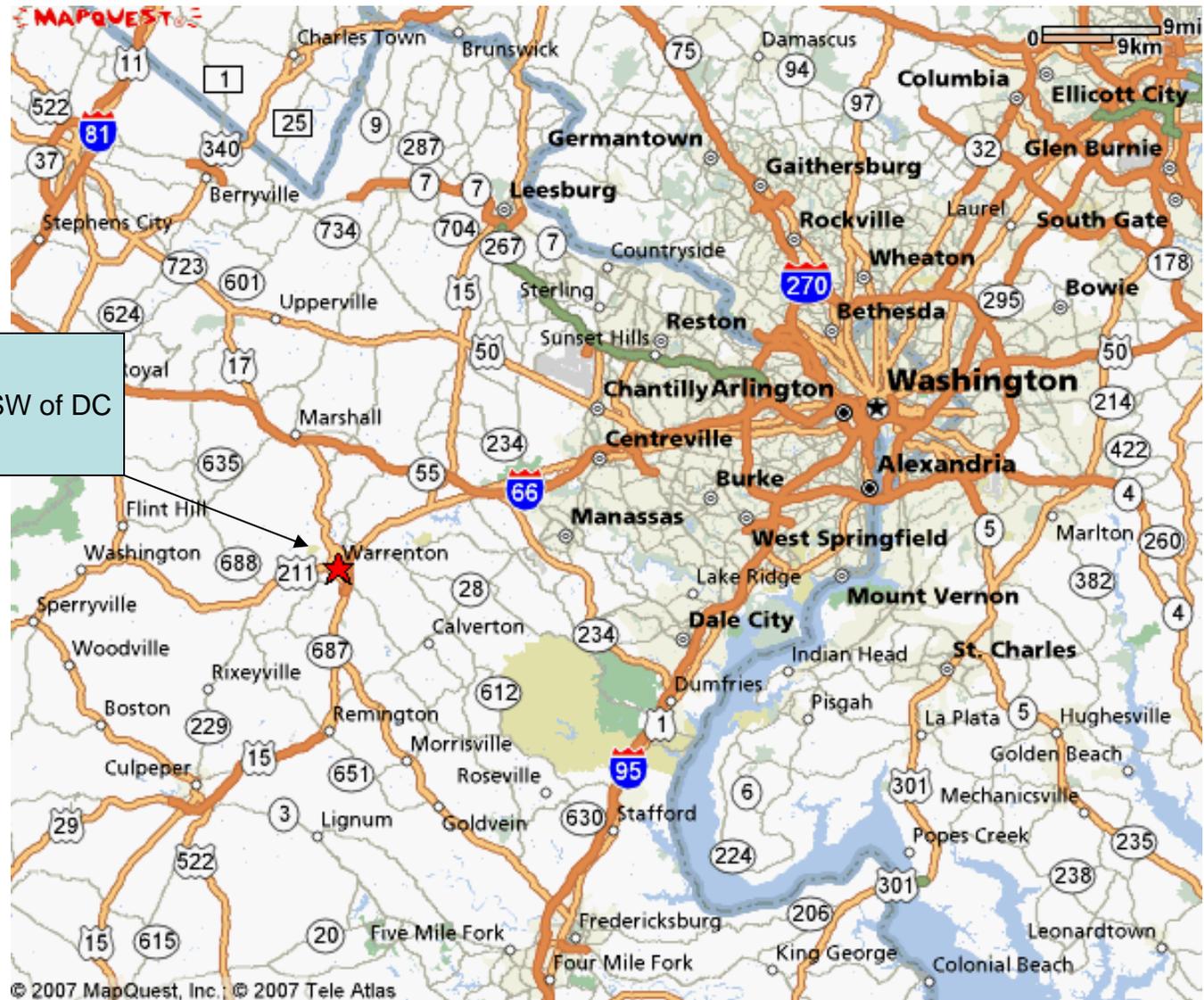
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- Bob Brickner was GBB's Project Manager for the overall effort
- Items to be covered in this talk will include:
  - Review of the Project Needs & Specifications
  - RFP Process & Evaluation of Proposals
  - Vendor Interview Process, Short listing & Field Trips
  - Final Selection & Contracting
  - Current Status of Project



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# Where is Fauquier County?



45 miles SW of DC

# County Solid Waste Complex

- The County owns a 250-acre solid waste complex and has operated the site since 1990
- Currently has several private sector contractors providing services at the complex
- This complex includes, amongst other functions:
  - a MSW Landfill (Permit 575)
  - a C&D Landfill (Permit 149)



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# Synergy of Fauquier Co. System

- Operates a MSW landfill – 70,000 tons in 2005
- Operates of a C&D Landfill - 112,000 tons in 2005 from the County and out-of-County sources.
- Operates the scale house
- Receives & recycles of scrap metal & white goods
- Receives and mulches of yard waste at the site.
- Brush & pallet drop-off area w/ grinding operation
- Receives tires for further processing/recycling.
- Accepts clean soils for use at the landfills
- Operates the MRF & citizens drop-off area
- Operates a reuse center
- Privatized LFG recovery system w/power production.



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# Fauquier Co. Solid Waste Complex



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# C&D Landfill – Nearing Capacity



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# Why County Issued the RFP

- Less than one year of C&D waste disposal capacity existed within the C&D Landfill
- The disposal of C&D Waste within the MSW Landfill) was not deemed in the County's best interests.



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# Scope of Basic Services

- The County sought Proposals for:  
Design, Supply, Installation, Startup and Acceptance Testing of a C&D Waste processing/recycling System to demonstrate the ability of the turnkey equipment system to handle the level of C&D Waste throughput capacity proposed/contracted, on a cubic yards per hour basis;

Note: The County took responsibility for the marketing of the recovered/processed C&D Waste constituents and ultimate disposal of any non-recovered Residuals.

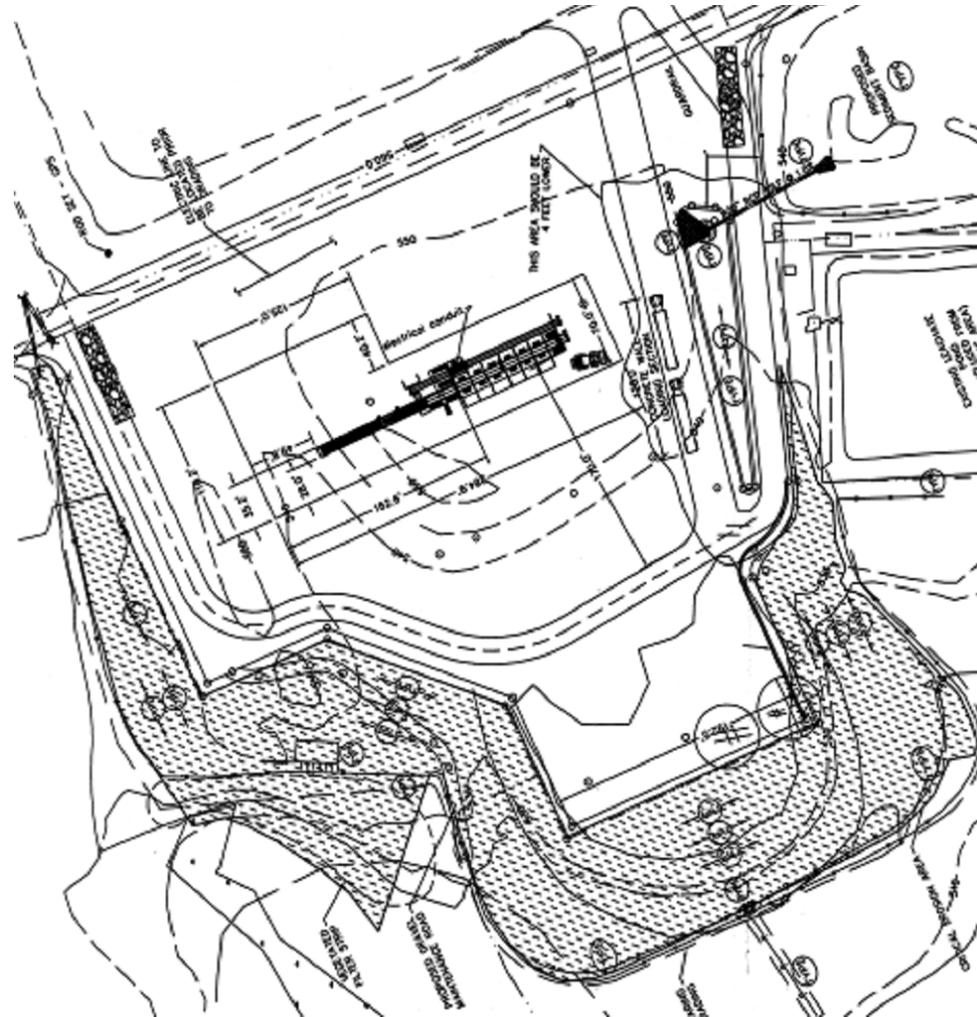


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# Site Plan w/Equipment Layout



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# Key “Front-End” Project Dates

- GBB was interviewed by County, selected, and the March 16, 2006 GBB Proposal to County stated “GBB expects to have private-sector proposals within 75 days of GBB’s formal Notice-to-Proceed”
- RFP Issued by County: April 4, 2006
- Proposals Received: May 18, 2006 (63 days!)
- Proposer Interviews: May 24, 2006
- Facility Tours: May 31 & June 1, 2006
- Contractor Selection Approval by County Board of Supervisors: originally scheduled for June 8 but changed to July 13, 2006



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# Permit Requirements

- Commonwealth of Virginia --- Permit by Rule, Materials Recovery Facility

Permit application documents Include:

- Certificate of Design
- O&M Plan
- Unauthorized Waste Program
- Closure Plan

- Fauquier Co. Building Department

- Local Zoning Approval
- Land Disturbance Permit
- Detailed Site Approval
- Construction Permit



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## Commencement Date of Work

- As of the release of the RFP, the County had already set aside capital funds for the site improvements and the purchase of the C&D System equipment described herein.



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## An Alternative Proposal for O&M

An Alternative Proposal was solicited for the Operation and Maintenance (O&M) of the proposed C&D System for two (2) years after the System Acceptance Date, with up to three (3) additional one (1) year options at the sole election of the County.

Note: The County would not accept a proposal solely for the private operation of an C&D System as generally described in the RFP.



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## The new C&D System would potentially consist of the following:

- Site management equipment (front-end loader and an excavator with a bucket and thumb)
- Excavator (or alternative feed system conveyor) load the C&D Waste to a screen used for separation of Fines;
- Screen which separates the Fines and distributes the waste materials before discharging the mixed C&D waste materials onto a sorting conveyor.
- Sorting conveyor with a minimum of seven (7) stations per side
- Possibility of a grinding operation to grind the C&D residuals (possibly into an ADC) to conserve space in the MSW Landfill.
- The separated materials will be chute loaded into containers and hauled to other appropriate storage locations within the complex



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# System Design Capacity

- The monthly C&D Wastes received during 2005 was 9,134 tons, about 435 tons per day; based on an average 21 days per month operating period (i.e., a five-day work week, M-F)
- Based on these receipts, the County required proposals to be a C&D System with the design capacity of at least 470 cubic yards per hour of mixed C&D waste.



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# Permits, Licenses and Certificates

- The Contractor shall, as part of their contract cost, work with the County as the Owner of the C&D System to obtain all required permits, licenses, certificates and inspections, both permanent and temporary.



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# C&D Facility as Constructed (System is outside at LF, no building)



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# C&D Feed Conveyor



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# Finger Screen & Fe Magnet



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# “Overs” & “Unders” Conveyors



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# Collection of Recovered Materials



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# Finger Screen In Action



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# Added Creature Comforts (Wind Protection, Heaters & Lights)



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# Wood Discharge Zone



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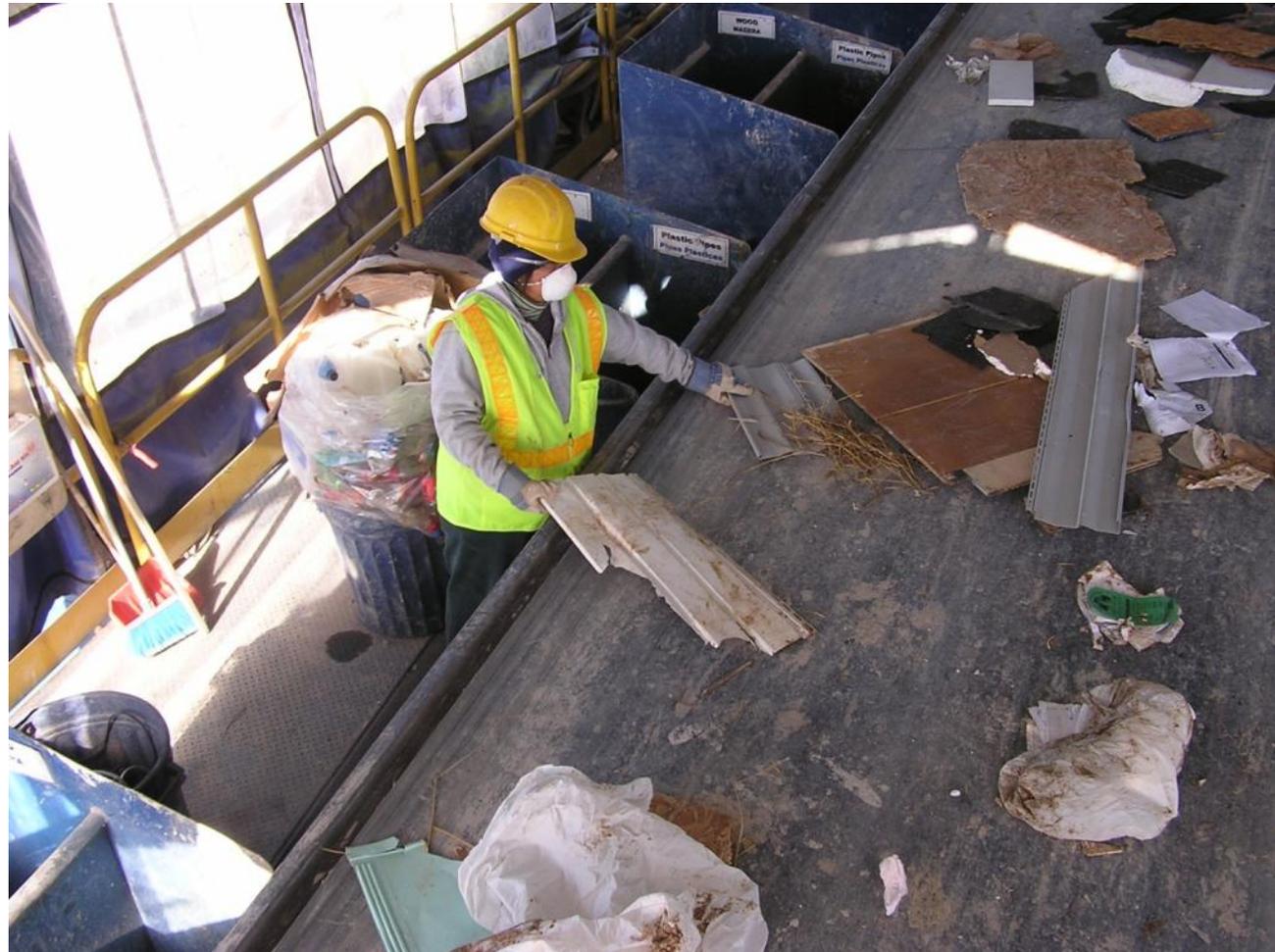
# Recovered Inerts Container



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# Vinyl Siding Being Sorted



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# Separated Carpet & Padding



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# Recovered Glass & Inerts

## Awaiting Crushing into Fines Aggregate Products



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# C&D Materials Marketed

## Startup – July 1, 2007

- July: 19%
- August: 21%
- September: 30%
- October: 39%
- November: 38%
- December: 46%

6-Month Ave. ending Dec. 31, 2007: 32%

(thus, Residue to Landfill = 68%)

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**Thank You....any f/u questions**

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