





REGION 2000 SERVICES AUTHORITY

LANDFILL MASTER PLANNING LIVESTOCK ROAD FACILITY

PREPARED FOR:

CAMPBELL COUNTY

BOARD OF SUPERVISORS

OCTOBER 7, 2014





AGENDA



Part 1 – Lateral Expansion

- Permitting update
- Schedule

Part 2 – Master Planning

- Area under consideration
- Concepts
- ▶ Schedule





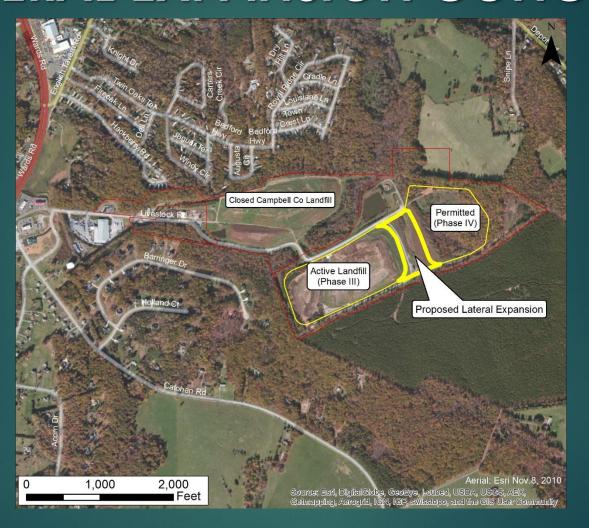


LATERAL EXPANSION





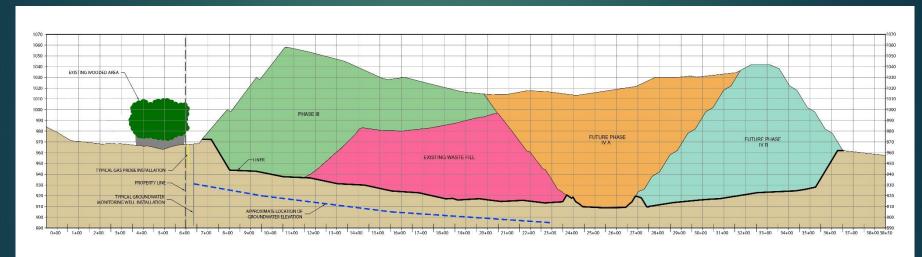
LATERAL EXPANSION CONCEPT







CROSS SECTION - CONCEPT

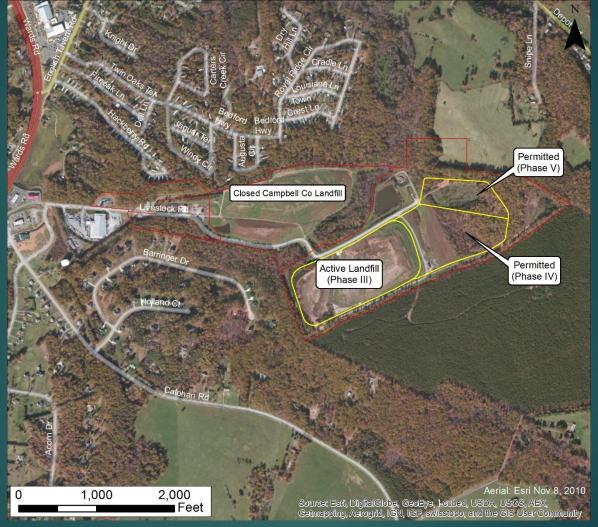


CROSS SECTION 1 - Scale: H: 1"=150', V: 1"=30' (5 TIMES VERTICAL EXAGGERATION)



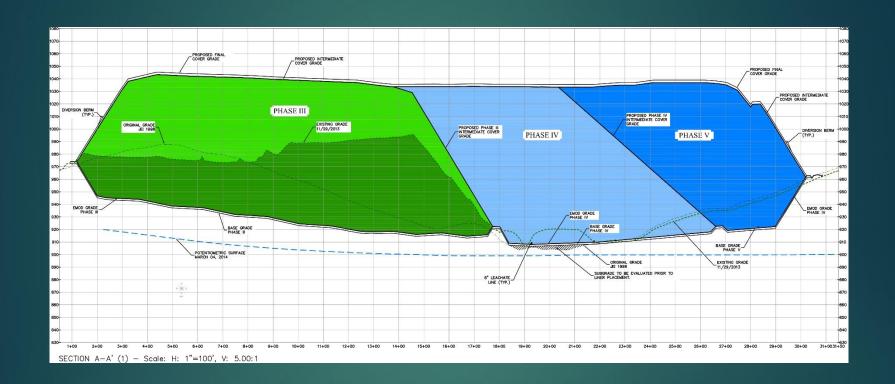


LATERAL EXPANSION FINAL DESIGN





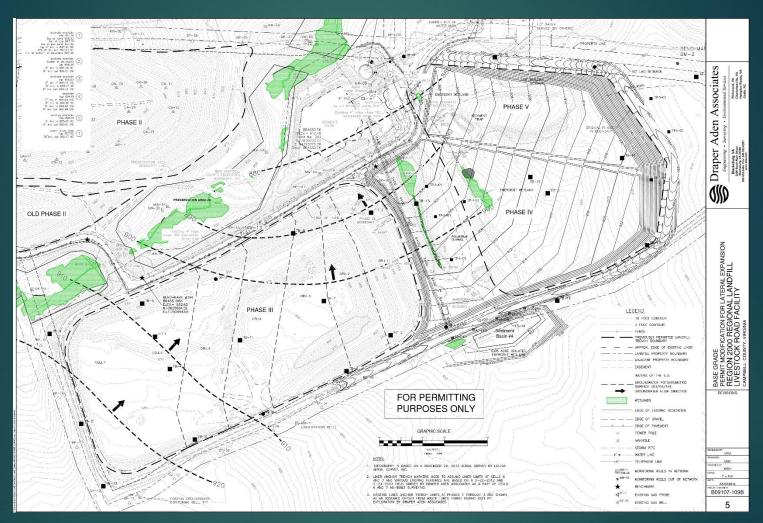








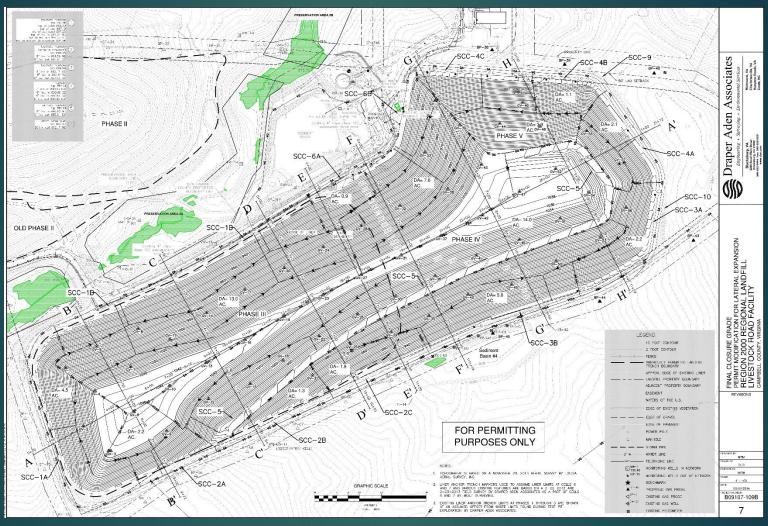
LATERAL EXPANSION BASE GRADE







LATERAL EXPANSION FINAL GRADE







LATERAL EXPANSION SCHEDULE

						- 111 -																							
		FY 2015						FY 2016						İ	FY 2017														
				20						15				20				2016)16										
ACTIVITY	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	M	Α	М	J	Α	S	0	N	D
REMAINING LIFE IN PHASE III (3/4/14 letter)																													
PERMITTING																								i					
Lateral Expansion Permitting																								I I					
Solid Waste Management Plan																													
Wetland permitting																								I I					
Air permitting																								į					
Groundwater monitoring - well installation/sampling																								į					
PHASE IV CONSTRUCTION																								į					
Loan application and funding approval																								İ					
Phase IV - Liner construction (17.9 acres)																								I					
Identify borrow site on Bennett Property and permit																								į					
Construction document preparation - Phase IV																								i					
E&S plan and storm water management submittals																								Ī					
Bidding																								ļ					
Construction																								ĺ					
Certificate to operate																													



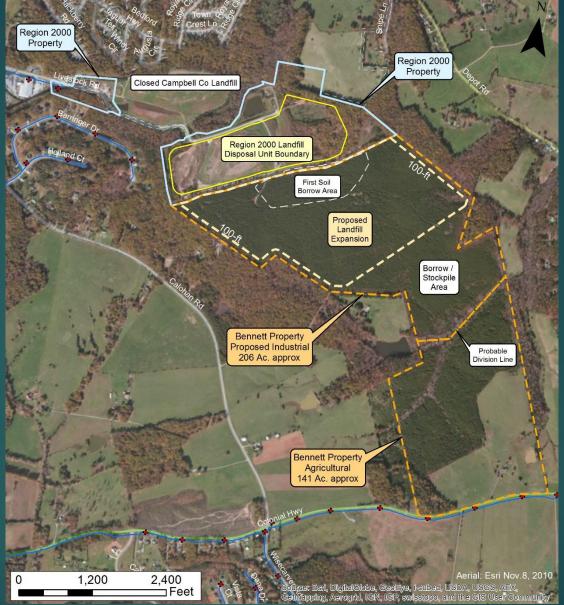




LANDFILL MASTER PLANNING

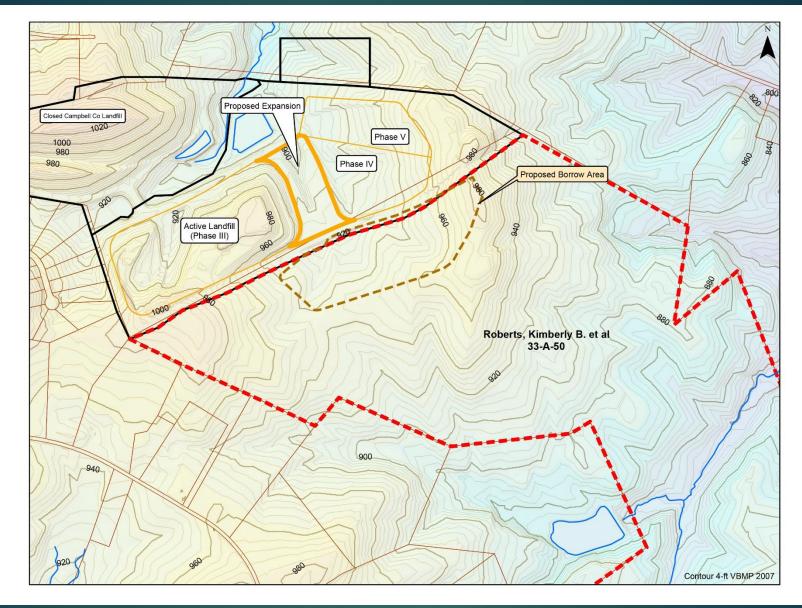






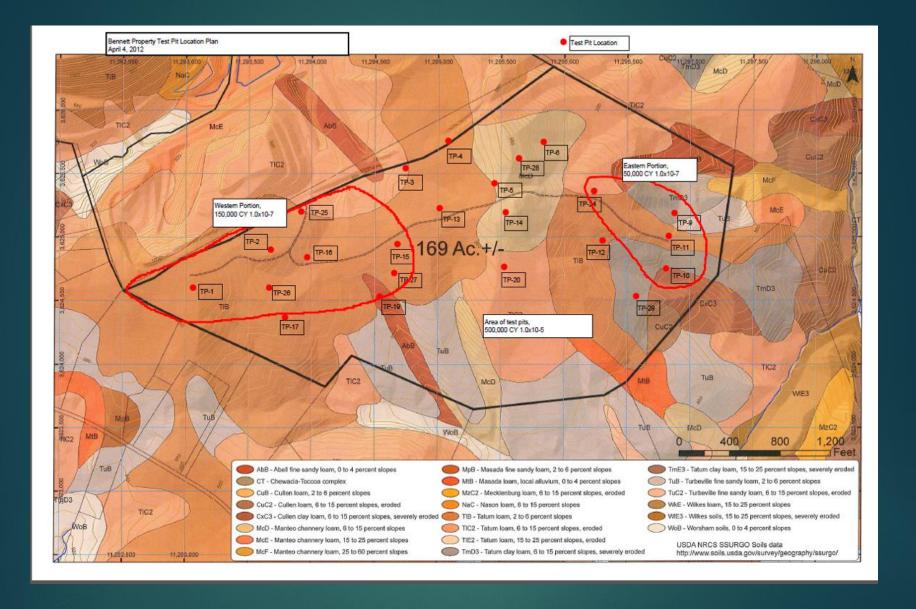






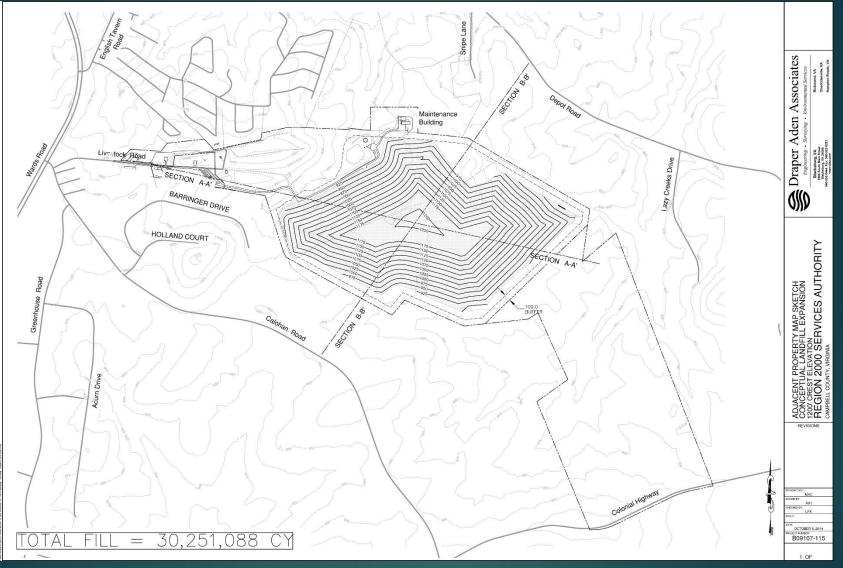








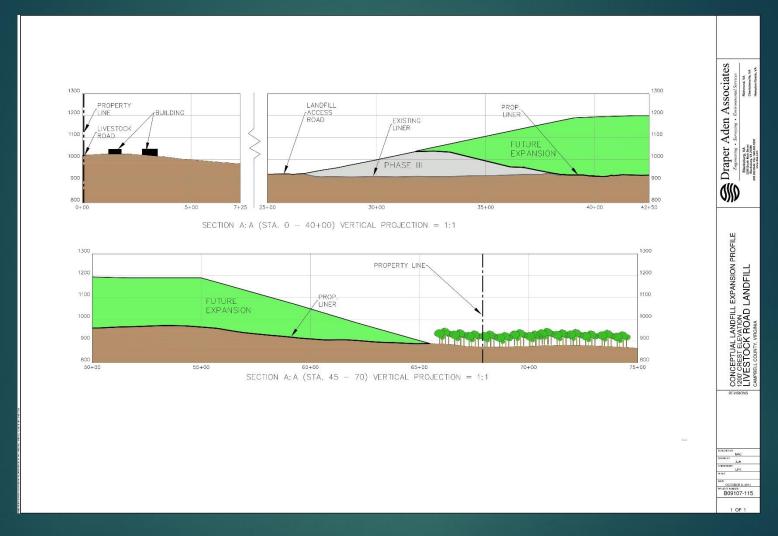








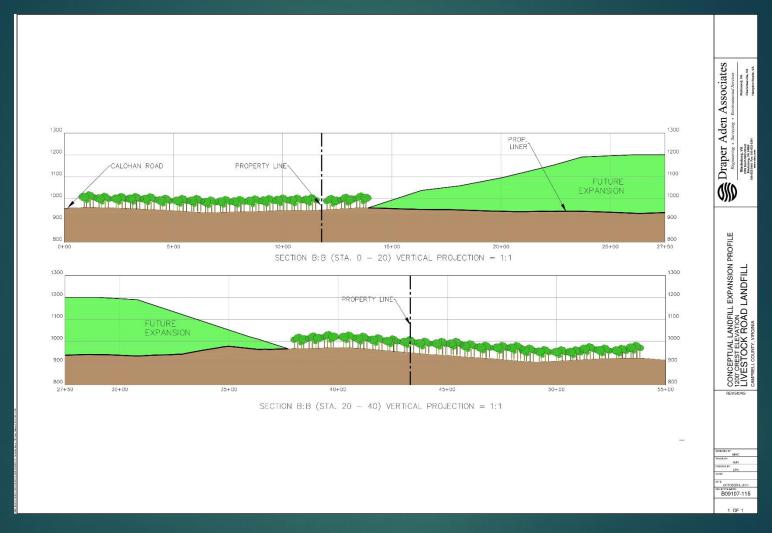
PROFILE A-A'







PROFILE B-B'







MASTER SCHEDULE

REGION 2000 SERVICES AUTHORITY LIVESTOCK ROAD FACILITY MASTER DEVELOPMENT SCHEDULE ACTIVITY FY 2015 FY 2016 FY 2017 FY 2018 FY 2019 FY 2020 FY 2021 FY 2022 FY 2023 FY 2024 FY 2025 FY 2026 FY 2027 Life of Phase III Permitting Lateral Expansion Construction Phase IV Operation Phase IV Construction Phase V Operation Phase V PERMITTING PHASE VI Local landuse planning Part A - Hydro-geo evaluation Part B - Design Air permitting Storm water Construction next phase



Operation next phase



NEXT STEPS

- Neighborhood meetings
 - ▶ Completed.
- Region 2000 Quarterly Board meeting
 - ▶ October 22, 2014 2:00 PM Bank of the James
 - Board authorization to proceed with re-zoning and special use permitting with Campbell County.
- Submission of applications to Campbell County
 - Planning Commission meeting
 - Board of Supervisor meeting





BENEFITS TO CAMPBELL COUNTY

- Low tipping fees
- Excess Revenue Sharing: Average \$ 818,000 annual payment to Campbell County
- Reduced construction costs (overlays, adjacent soil, use of existing infrastructure)
- Economies of scale
- Shared liability for closure and post closure





SAMPLE TIPPING FEES

Tipping Fee Comparison 2014

Locality	Type of Landfill or	Tonnage 2013	Tipping Fee 2013						
	Facility	(SWIA forms)	(\$/ton)						
Amherst County Landfill	Subtitle D	22,199.51	\$53/\$44						
Augusta Regional Landfill	Subtitle D	114,529.00	\$45						
Bedford County Sanitary Landfill	Subtitle D	37,769.00	\$57/\$38						
Carroll Grayson Galax Regional Landfill	Subtitle D	36,218.12	\$50						
Franklin County Sanitary Landfill	Subtitle D	48,492.00	\$43						
Pittsylvania County Sanitary Landfill	Subtitle D	38,157.31	\$60						
Region 2000 Services Authority	Subtitle D	207,628.76	\$28.75/\$38.75						
Rockingham County Sanitary Landfill	Subtitle D	103,073.35	\$50 county /\$69 city						
Roanoke Valley Resource Authority	Subtitle D	149,495.00	\$48/\$58						
Spotsylvania County Livingston Sanitary Landfill	Subtitle D	101,799.48	\$45						
SRPSA - Butcher Creek Sanitary Landfill	Subtitle D	65,650.94	\$40						
Prince Edward County Sanitary Landfill	Subtitle D	22,805.94	\$38.50						
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Note: Tipping fee information taken from web research. For those with two fees, the first value represents the fee to the locality; the second fee represent the fee to commercial. Single fees usually represent just the commercial rates. These have not been verified with the localities.



