Presentation to the Bourne Board of Selectmen April 27, 2010 (Amended)

Town of Bourne

Department of Integrated Solid Waste Management

Overview

- Fiscal Years 1999 – 2009 review
- Fiscal 2010 performance & STM request
- Current contracts, pricing, diversification
- FY ‘11 budget & capital requests
- Cell development & site infrastructure
- Pending projects and odor control
- Business plan update

Fiscal Years 1999 - 2009

- Gross revenue for FY ‘ 99 – FY ‘09 equaled $99,621,604 (pending ‘09 audit.)
- All site improvements and equipment funded by ISWM EF.
- Buy-in at transfer station on Otis ANGB funded by regional landfill operation begun in 1996 (precursor to ISWM). MSW sent to SEMASS through this transfer station for 10 years.
- $17.5 million (net of ISWM fringe) in cash and avoided costs to the town
    - Host fee, administrative overhead, SEMASS transfer and disposal costs

Fiscal Year 2009

- Most difficult year in ISWM history
- Revenue about $8.3 M; down over 36% from FY 2007
- Completed the transfer station and new residential recycling center
- Funded closure accounts with restricted cash
- Transferred about $2 million of Net Assets for admin. fee (with fringe) and operating expenses
- Changes made for FY 2010 to better track and plan

Fiscal Year 2010

- Worked with DOR on an modified budget to assure ISWM stability
- $7,361,930 budget (includes host fees) down from previously approved $9,661,930
- Admin Fee of $1,963,815
- Closure contribution of $887,981.17 paid
- Current Net Assets of $5.7 million
  - Approx. $4.2 M restricted; $1.5 M unrestricted
- Better internal analysis of profitability

Fiscal Year 2010

- Revenue through March $7,034,376 with approximately $1,700,000 in receivables.
- On track to meet all requirements even with proposed increase at Special Town Meeting
- Need approximately $21,000 per day for the 66 days in the last quarter

Fiscal Year 2010

- Asking for an approximately $800,000 increase at STM to cover:
  - Increase in leachate disposal costs because of record setting rain ($450,000)
  - Increase in host fee because of increased tonnage ($350,000)

Fiscal Year 2010

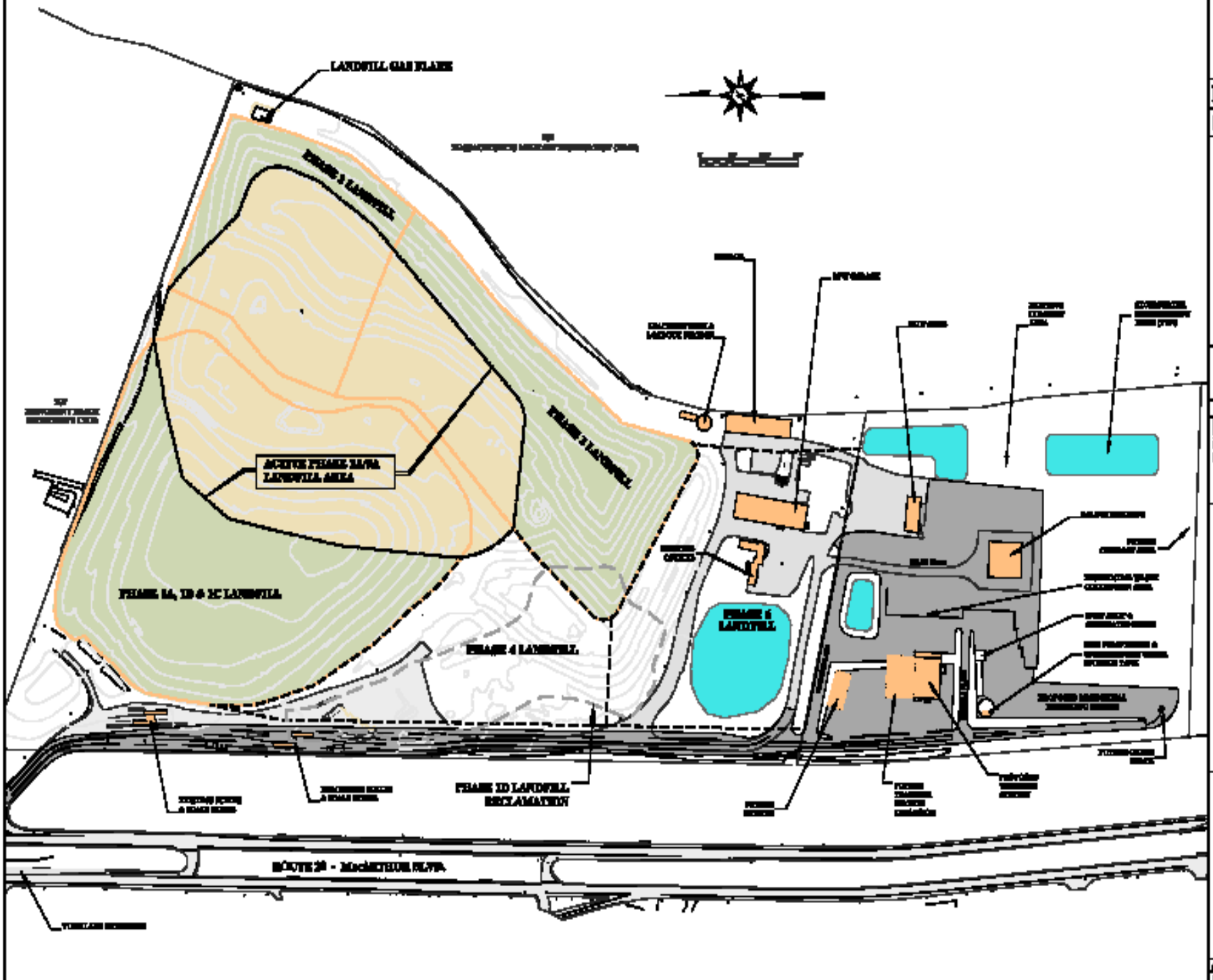
- Currently we have 4 contracts equaling approximately 200 tons per day.
- Short term – max. 2 years out
- Pricing ranges from $45 - $70 per ton; put or pay
- Done to stabilize FY ‘09 revenue and attract waste when market was in the $35/t range
- Feb. 2009 to March 2010 $2.5 million reversal
- Also taking in soils and bottom ash to diversify sources of revenue

Fiscal Year 2011

- Budget request – $7,474,669
- Admin Fee – $1.7 million (down $200k)
- Closure already available - $940,000 est.
- Capital requests: ($2,443,258.87)
  - Cap Phase 2A/3A – 9 new vertical wells
  - Off road truck
  - Flare skid
  - New scales, recycling center

Cell Development

- First lined cell – summer 1999
- Sequencing of landfill phases was to provide option for mining later. Eventually the valley had to be used.
- Phase 4 needed by 2012 and will be on the fall town meeting warrant.


LANDFILL GAS FLARE
PHASE 3 LANDFILL
PHASE 2 LANDFILL
ACTIVE PHASE 2A/2B LANDFILL AREA
PHASE 1A, 1B & 1C LANDFILL
PHASE 4 LANDFILL
PHASE 5 LANDFILL
PHASE 1D LANDFILL RECLAMATION
ROUTE 20 - MacARTHUR BLVD.

Cell Development

- Phases 1, 2, 3 capped w/ active gas system.
- Phase 2 A/3A Valley Fill operational.
  - Stage 1 temporary cap & wells to contain odors
  - Stage 2 current area of operation
- Phase 1D reclamation about 2/3 complete. Reused soils for 2A/3A berm. Final 1/3 summer/fall 2010

2100

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HONDA

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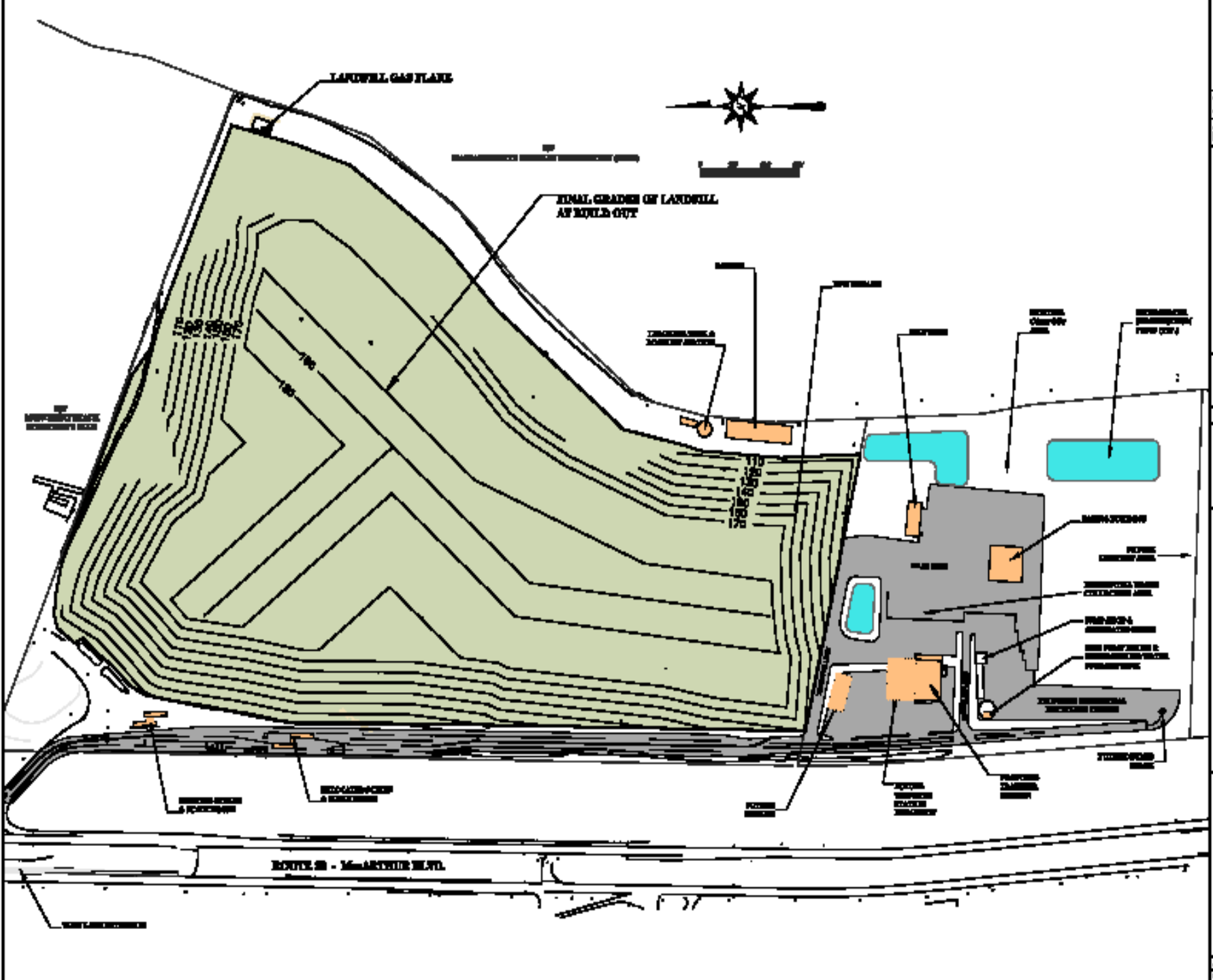
	LANDFILL VOLUME			
TOTAL COMBINED VOLUME		7,569,000	cubic yards	100.00%
LESS UTILIZED VOLUME		3,824,000	cubic yards	50.52%
NET REMAINING VOLUME		**3,745,000**	cubic yards	49.48%
CONSUMPTION RATES			Closure Date	
BASED ON MOST RECENT QUARTER			**July 12, 2028**	
BASED ON MOST RECENT YEAR			**July 21, 2032**	
BASED ON THE FULL LIFE TO DATE			**May 26, 2026**	
BASED ON SURVEY OF	April 1, 2010			


LANDFILL GAS FLARE
FINAL GRADES OF LANDFILL
AT BUILD OUT
ROUTE 30 - MacARTHUR BLVD.

Site Infrastructure Improvements

- Power on site
- New water main on site
- New residential recycling center
- New C&D transfer station
- New leachate storage tank
- New baling facility
- Landfill flare
- Scales (to be updated along with entrance)
- Fire suppression system (250k gallon tank)

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Projects FY 10 - 11

- Phase 1D reclamation
- Cap north slope of P2A/3A
- New flare skid
- Entrance, scales, recycling center
- By mid FY ‘11 major site work done
- Better traffic flow, signage, safety

Odor Management

- Stopped taking C&D fines
- Temporary cap in P2A/3A, Stage 1 and ongoing with Posi Shell
- Biological treatment to address root cause of H2S generation (ceased 2009)
- Increase well placement – 8 new wells 2009; 9 more planned 2010

Hydros, Inc.

- Used for biological treatment (not “bioreactor”) to prevent H2S generation
  - Spent approximately $141,693
- Used for wet scrubber to treat landfill gas (after RFP process) and remove sulfur prior to combustion
  - Capital costs were approximately $612,907
  - Contract to operate $2,000/week
  - Chemicals approximately $50,000/month (will be less with bulk delivery & concentrated formula)

Business Plan Update

- CommonWealth Resource Management Corp. has been hired to help update the business plan
- Phase 1 - Short term options with key questions:
  - Long term contracts, types of wastes, tonnage, revenue goals, landfill life
  - Ability to negotiate 15 year contracts with municipal and commercial entities critical
- Presentation on Phase 1, on or about May 11th
- Recommend a joint BOS, BOH, FC, TA, ISWM meeting to discuss options and next steps

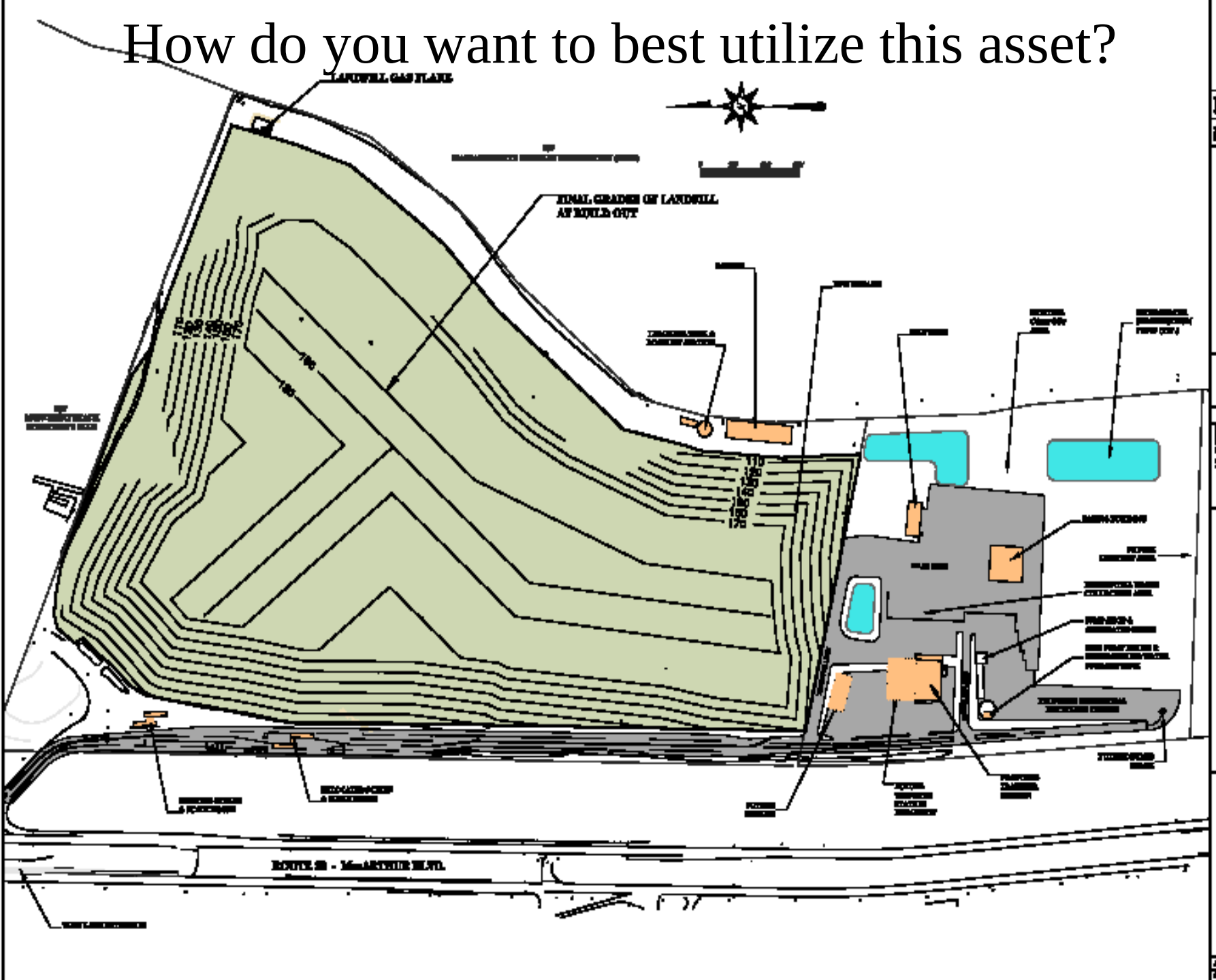
Business Plan Update

- Phase 2 – long term full site usage (25 acre parcel), gas utilization, other technologies, revenue after landfill is closed
- Target completion date of early fall 2010
- Recommend a joint BOS, BOH, FC, TA, ISWM meeting to discuss options and next steps

Closing Thoughts

- ISWM is a tremendous asset
- Major site work will be done in FY ‘11 after 10 years of improvements
- There is site life after the landfill closes
- Critical decisions to be made soon
- All stakeholders must be involved

How do you want to best utilize this asset?



QUESTIONS