



Metro South Station Workshop 2

Metro South Station Assessment Project
February 26, 2014



Agenda

- Purpose/objective
- Introductions and project background
- Present updated facility concepts:
 - Updated site plans and floor plans
 - Preliminary performance results
- BREAK
- Summarize concept comparison
 - Cost estimates
 - Confirm ratings
- Closing comments and Next steps

Solid Waste Roadmap

- *Pathway for making decisions that affect how we handle our garbage and other discarded materials*
- Objectives of Metro's Solid Waste Roadmap:
 - protect human health
 - protect the environment
 - get good value for the public's money
 - get the most out of the materials collected (the solid waste management hierarchy)
 - stay responsive to changes in the waste stream
 - ensure there are services for all types of customers, e.g., self-haul.

Solid Waste Roadmap Questions

1. Long-term Management.

2. Metro South Station.

What service alternatives should Metro pursue at Metro South and in the vicinity to provide for the full suite of needed services?

3. Foundational Work.

4. Organics Capacity.

5. Transfer System Configuration.

6. Fee & Tax Policies.

Project Background

Stakeholder Outreach

Outreach method to 6 primary stakeholder groups:

Stakeholders	Outreach Method				
	Phone interviews	Individual meetings	Group meetings	On-site surveys	Email surveys
Commercial haulers	X	X	X		X
Self-haul customers	X			X	X
Local governments	X	X	X		X
Internal Metro staff		X	X		
Operations staff (Allied and Metro)			X		X
Other (Miscellaneous)	X		X		X

Stakeholder Workshop 1

- Introduced existing Metro South Station site, customers, operations, and challenges
- Provided 2019 projected tonnages and diverted material composition
- Introduced Project Needs
- Identified space requirements
- Presented four conceptual site options

Stakeholder Workshop 1 Highlights

- Stakeholders would like to see robust approach to MSS upgrade, not limited solutions
- ***“Whatever you do, it should be efficient and safe”***
- Focus on whatever best meets 2019 projections and beyond
- Consider sustainability and environmental sensitivity
- Maximize the opportunities for waste diversion
- Want to see more details – e.g. costs, parking
- Emphasize cost/benefits, economic growth and environmental benefits
- Reuse, reuse, reuse!
- Like offsite self-haul but concerns about political acceptance
- Consider new option: Bay 3/4 transfer and Bay 1/2 self-haul

Metro Workshop Highlights

- Ability to operate in some capacity during construction is critical
- Need to provide flexibility to continue meeting a wide range of needs
- Important that development of this facility, if it moves forward, is considered in context of the Metro Roadmap projects and the overall regional solid waste system

Facility Options

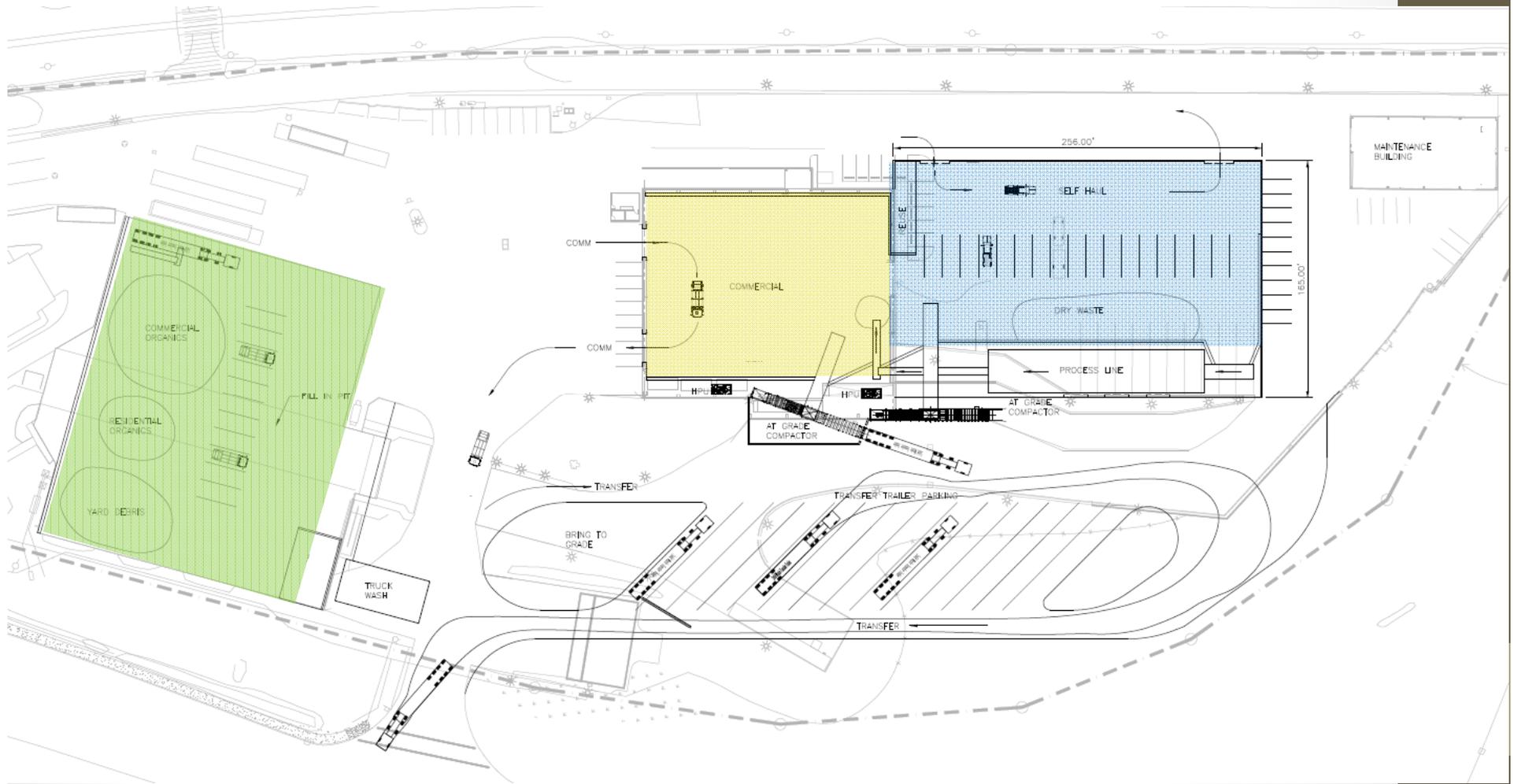
Prioritized Needs

RANK	PRIORITIZED LIST OF FACILITY NEEDS
1	Household Hazardous Waste
2	Commercial Organics
3	Residential Organics and Yard Debris
4	Self-haul Waste
5	Space for Sorting Recyclables & Wood Waste
6	Commercial Waste Deliveries
7	Provide Customer Education
8	Minimize Queue Times and Provide Wayfinding
9	Source Separated Recyclables

OPTION 1 – All Functions At Grade



Option 1 – Site Plan



Option 1 Preliminary Results

CRITERIA		Option 1 – All Functions at Grade
A	Residential (self-haul) <ul style="list-style-type: none"> • Waste • Organics & Yard Debris • Space • Access • Customer Education 	
B	Commercial Customers <ul style="list-style-type: none"> • Waste • Organics • Space • Access 	
C	Household Hazardous Waste <ul style="list-style-type: none"> • Space • Access 	
D	Site Operations <ul style="list-style-type: none"> • Safety • Efficiency • Flexibility 	
E	Recoverables Sorting <ul style="list-style-type: none"> • Tipping floor • Source-separated recyclables 	

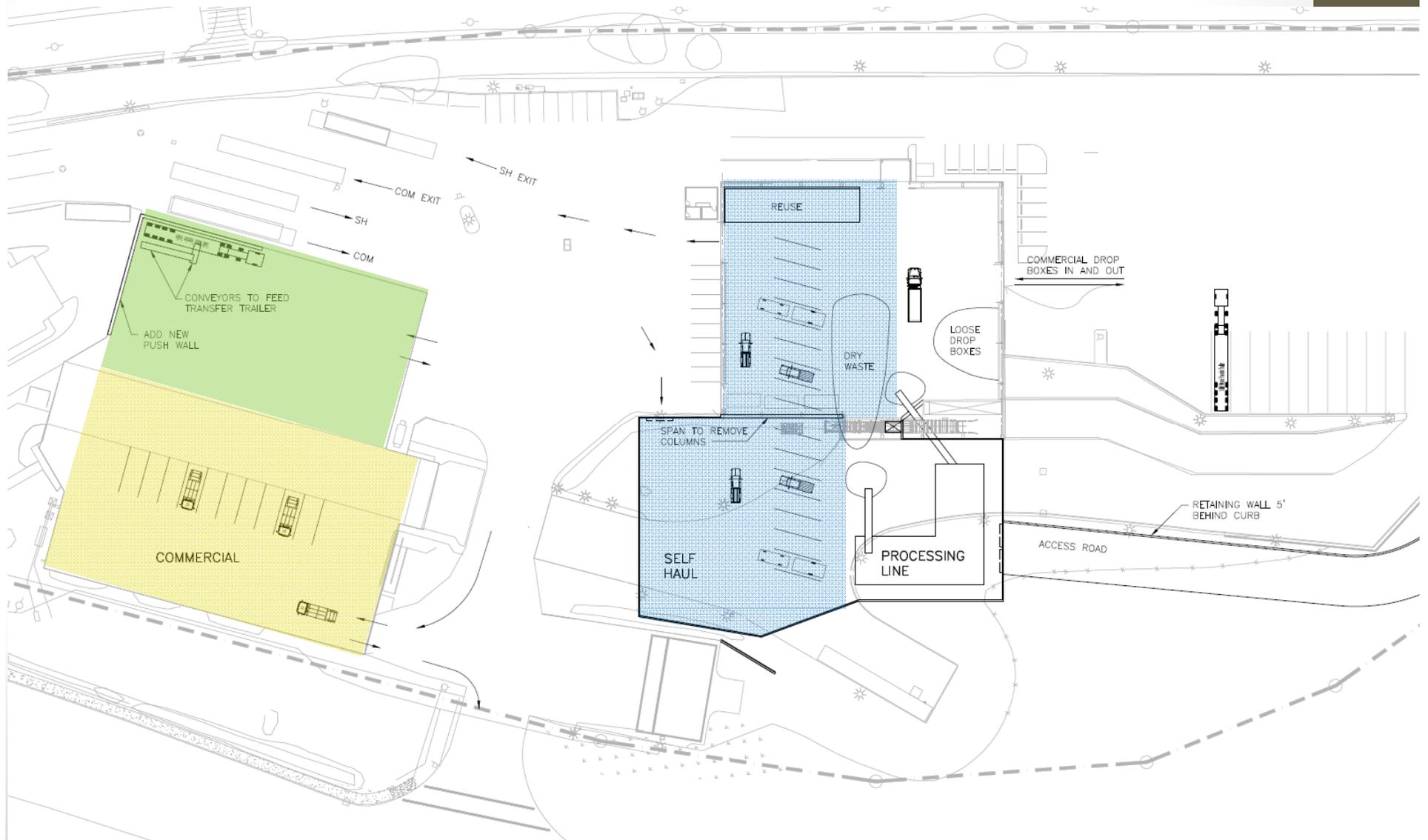
CRITERIA		Option 1 – All Functions at Grade
F	General Site <ul style="list-style-type: none"> • Safety • Efficiency • Traffic separation • Minimal queuing • Wayfinding 	
G	Cost <ul style="list-style-type: none"> • Capital • Operations 	
H	Sustainability	
I	Constructability <ul style="list-style-type: none"> • Construction methods • Impacts to operations 	
J	Feasibility <ul style="list-style-type: none"> • Potential political and other challenges 	

Orange Highlight – indicates criteria is identified as a Project Need

OPTION 2 – Elevated Processing Line



Option 2 – Site Plan



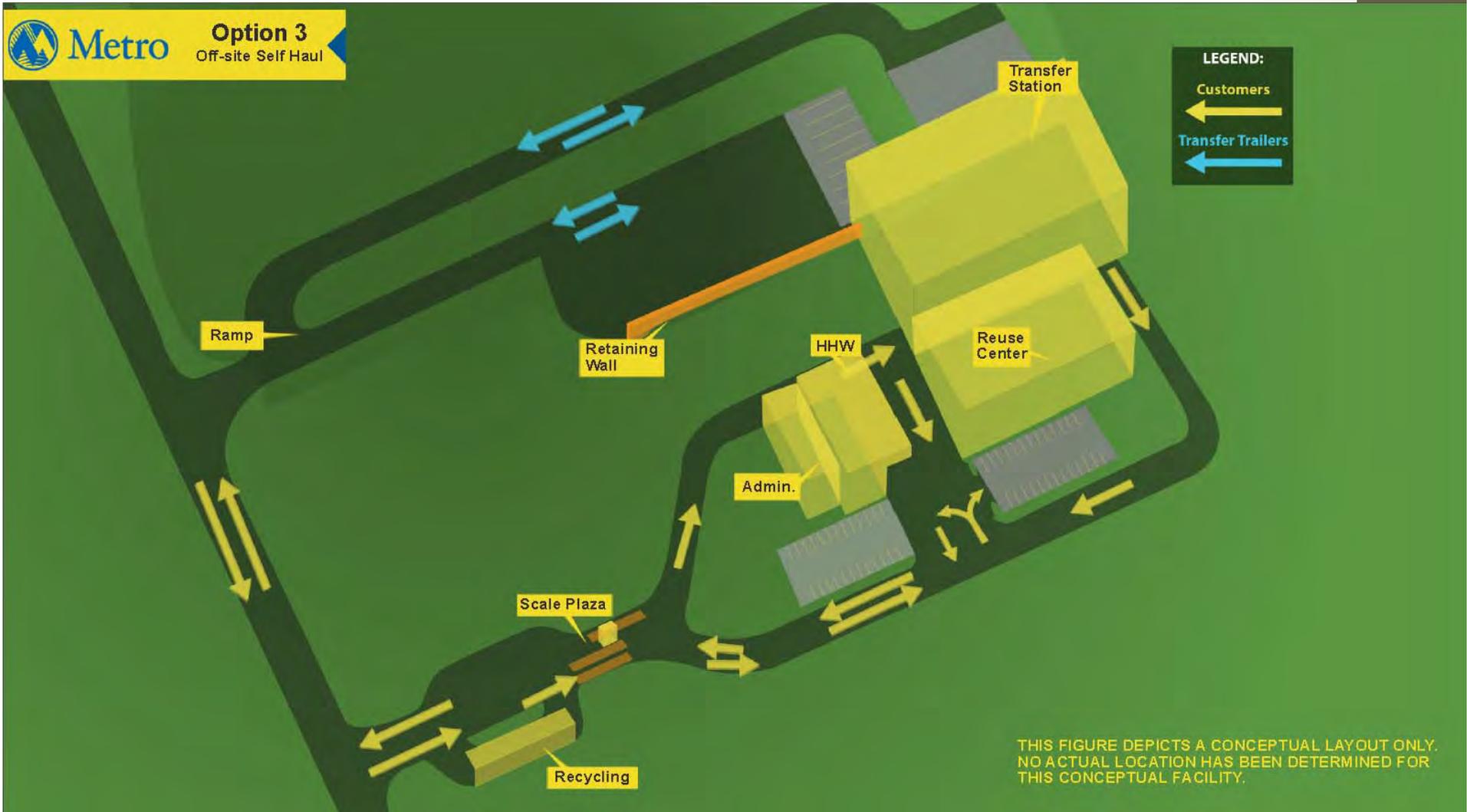
Option 2 Preliminary Results

CRITERIA		Option 2 – Elevated Processing Line
A	Residential (self-haul) <ul style="list-style-type: none"> • Waste • Organics & Yard Debris • Space • Access • Customer Education 	
B	Commercial Customers <ul style="list-style-type: none"> • Waste • Organics • Space • Access 	
C	Household Hazardous Waste <ul style="list-style-type: none"> • Space • Access 	
D	Site Operations <ul style="list-style-type: none"> • Safety • Efficiency • Flexibility 	
E	Recoverables Sorting <ul style="list-style-type: none"> • Tipping floor • Source-separated recyclables 	

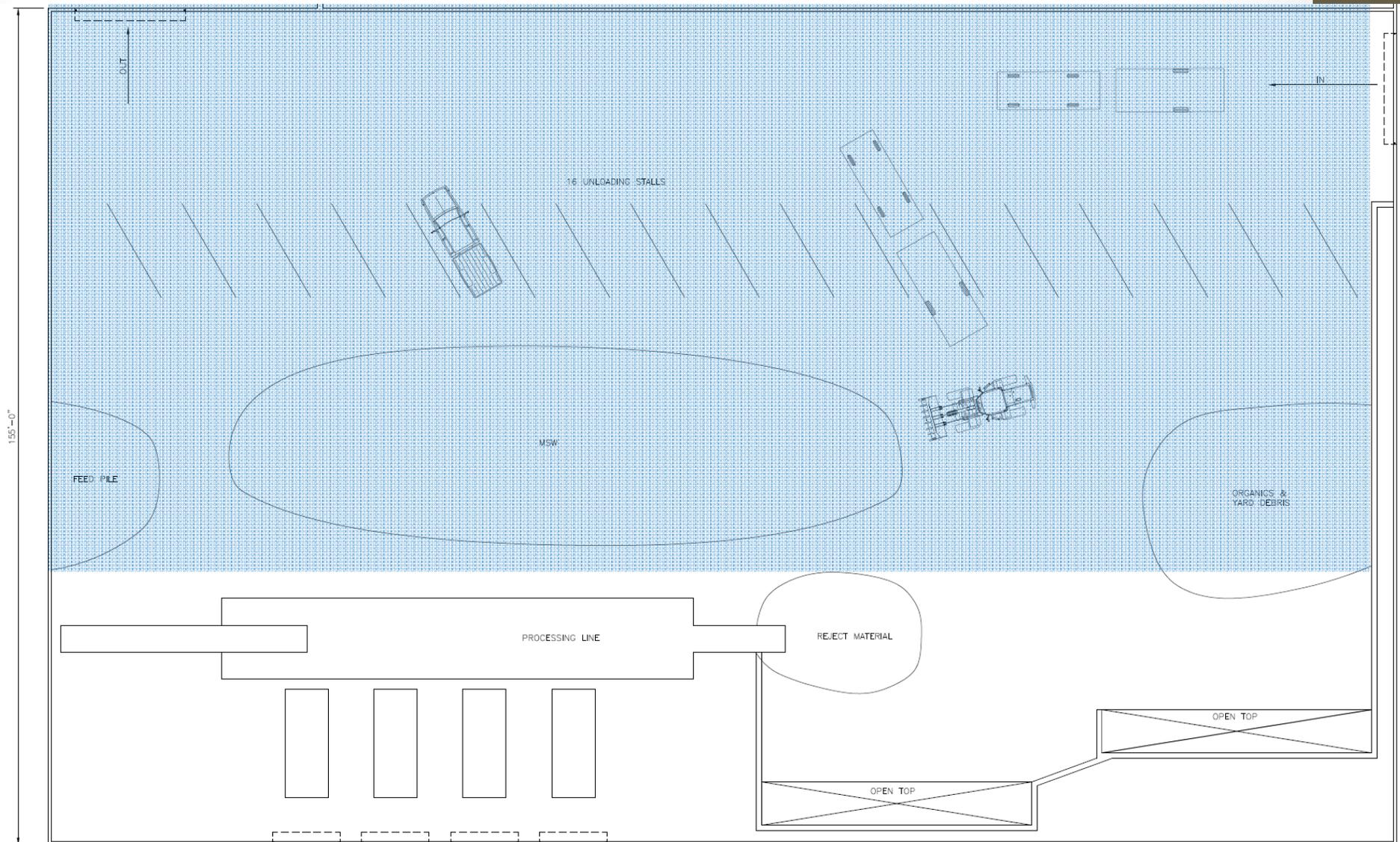
CRITERIA		Option 2 – Elevated Processing Line
F	General Site <ul style="list-style-type: none"> • Safety • Efficiency • Traffic separation • Minimal queuing • Wayfinding 	
G	Cost <ul style="list-style-type: none"> • Capital • Operations 	
H	Sustainability	
I	Constructability <ul style="list-style-type: none"> • Construction methods • Impacts to operations 	
J	Feasibility <ul style="list-style-type: none"> • Potential political and other challenges 	

Orange Highlight – indicates criteria is identified as a Project Need

Option 3 – Offsite Self Haul



Option 3 – Transfer Station Floor Plan



Option 3 Preliminary Results

CRITERIA		Option 3 – Offsite Self Haul
A	Residential (self-haul) <ul style="list-style-type: none"> • Waste • Organics & Yard Debris • Space • Access • Customer Education 	
B	Commercial Customers <ul style="list-style-type: none"> • Waste • Organics • Space • Access 	
C	Household Hazardous Waste <ul style="list-style-type: none"> • Space • Access 	
D	Site Operations <ul style="list-style-type: none"> • Safety • Efficiency • Flexibility 	
E	Recoverables Sorting <ul style="list-style-type: none"> • Tipping floor • Source-separated recyclables 	

Orange Highlight – indicates criteria is identified as a Project Need

CRITERIA		Option 3 – Offsite Self Haul
F	General Site <ul style="list-style-type: none"> • Safety • Efficiency • Traffic separation • Minimal queuing • Wayfinding 	
G	Cost <ul style="list-style-type: none"> • Capital • Operations 	
H	Sustainability	
I	Constructability <ul style="list-style-type: none"> • Construction Methods • Impacts to Operations 	
J	Feasibility <ul style="list-style-type: none"> • Potential political and other challenges 	

BREAK

Conceptual Capital Costs

ITEM DESCRIPTION	Option 1	Option 2	Option 3
Property Acquisition	\$ 0	\$ 0	\$14,400,000
Buildings	\$13,320,000	\$11,660,000	\$16,370,000
Site Work	\$4,230,000	\$1,750,000	\$4,770,000
Equipment	\$7,700,000	\$5,030,000	\$2,560,000
TOTAL	\$25,250,000	\$18,440,000	\$38,100,000

Conceptual capital pricing is for estimated construction costs only and includes 25% contingency, 10% design fee, and 8% construction administration.

		SITE LAYOUT OPTIONS			
CRITERIA		Option 1 – All Functions at Grade	Option 2 – Elevated Processing Line	Option 3 – Off Site Self Haul	Existing Facility
A	Residential (self-haul) <ul style="list-style-type: none"> • Waste • Organics & Yard Debris • Space • Access • Customer Education 				
B	Commercial Customers <ul style="list-style-type: none"> • Waste • Organics • Space • Access 				
C	Household Hazardous Waste <ul style="list-style-type: none"> • Space • Access 				
D	Site Operations <ul style="list-style-type: none"> • Safety • Efficiency • Flexibility 				
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		SITE LAYOUT OPTIONS			
CRITERIA		Option 1 – All Functions at Grade	Option 2 – Elevated Processing Line	Option 3 – Off Site Self Haul	Existing Facility
F	General Site				
	<ul style="list-style-type: none"> • Safety • Efficiency • Traffic separation • Minimal queuing • Wayfinding 				
G	Cost				
	<ul style="list-style-type: none"> • Capital • Operations 				
H	Sustainability				
I	Constructability				N/A
	<ul style="list-style-type: none"> • Construction methods • Impacts to operations 				
J	Feasibility				
	<ul style="list-style-type: none"> • Potential political and other challenges 				

Orange Highlight – indicates criteria is identified as a Project Need

Final Comments

- Questions
- Comments
- Likes
- Dislikes
- Suggestions
- Observations relative to needs and additional criteria

Next Steps

- Develop Final Report
- Present at Council Work Session – Summer 2014
- Tie Back to Roadmap Context

Thank You!

Questions?

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