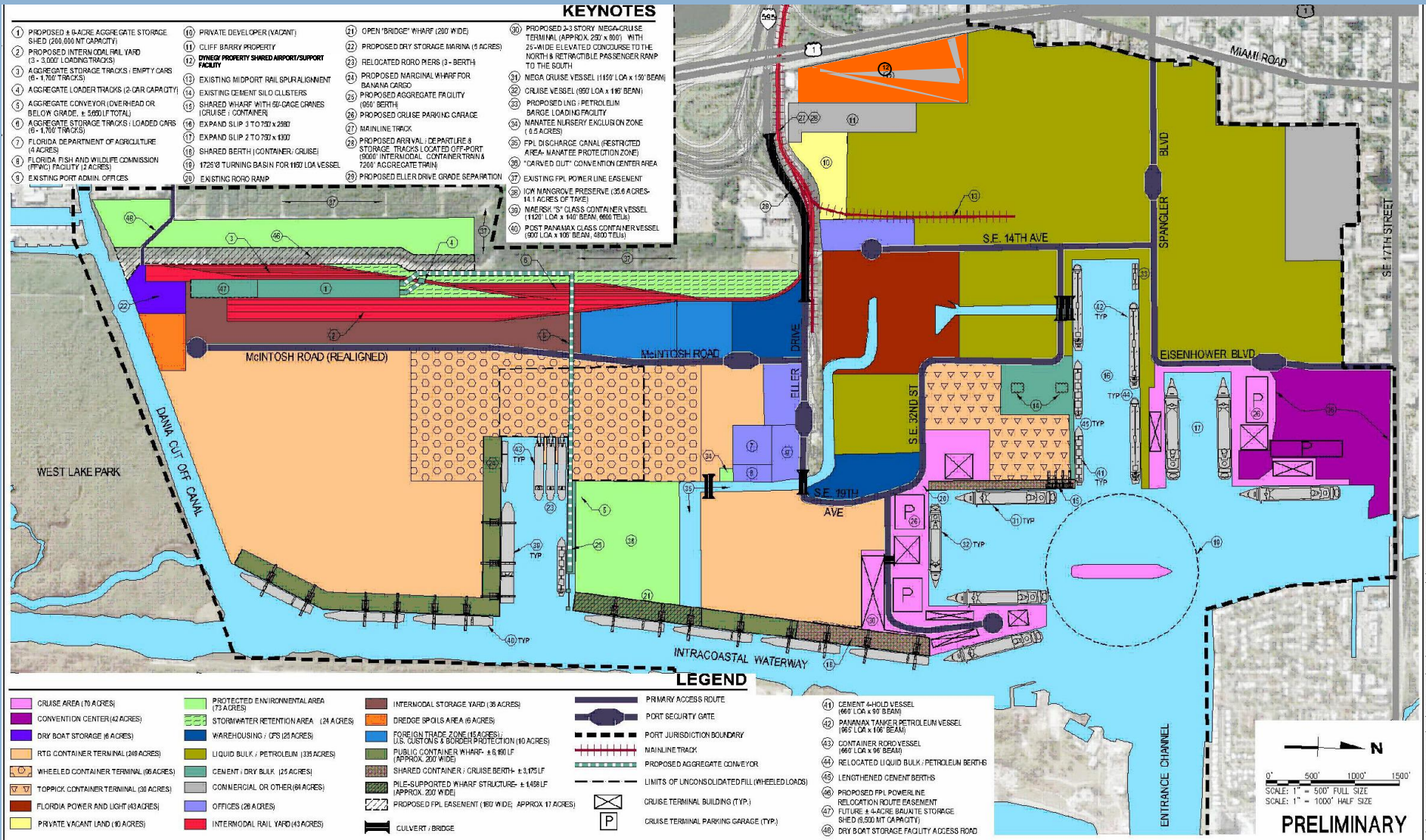




Port Everglades Master Plan Update 2006 Tenant Workshop

July 12, 2007

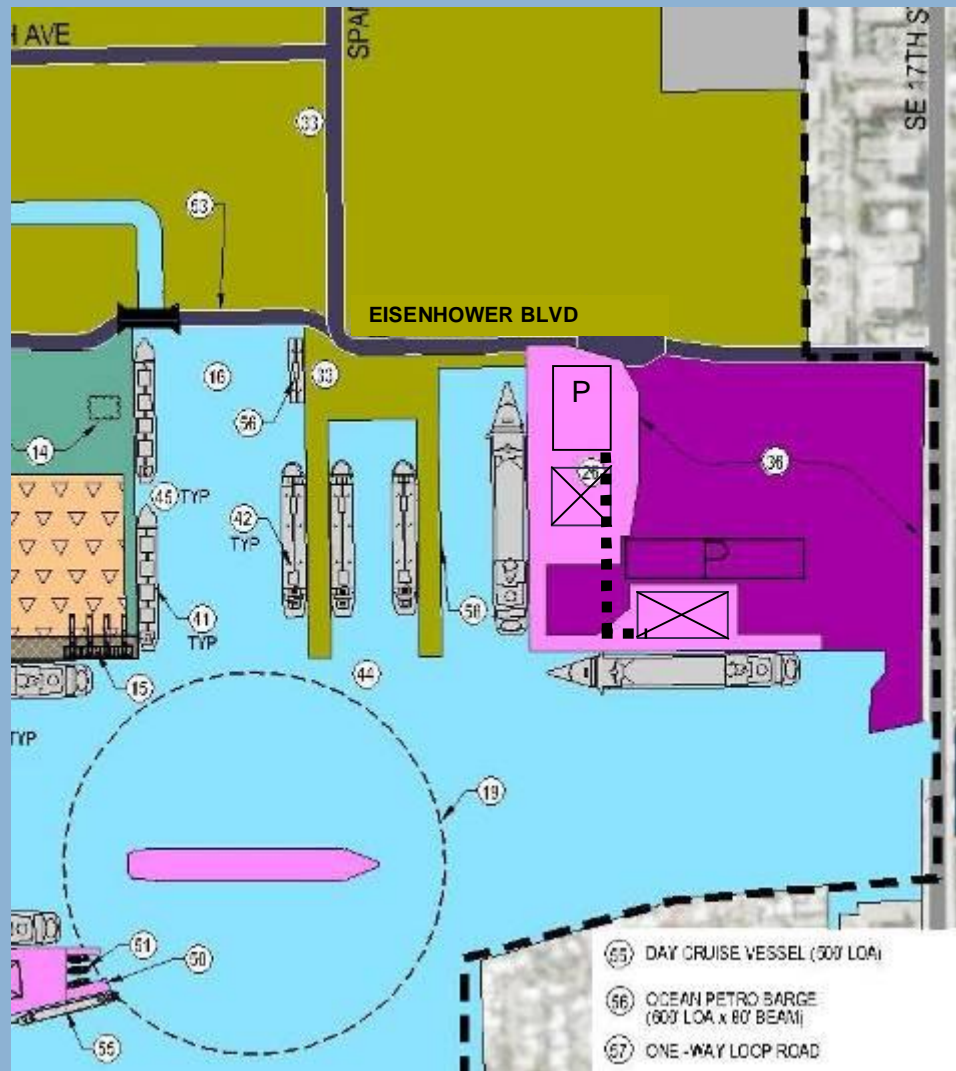
“Original” 2026 Year Vision Plan



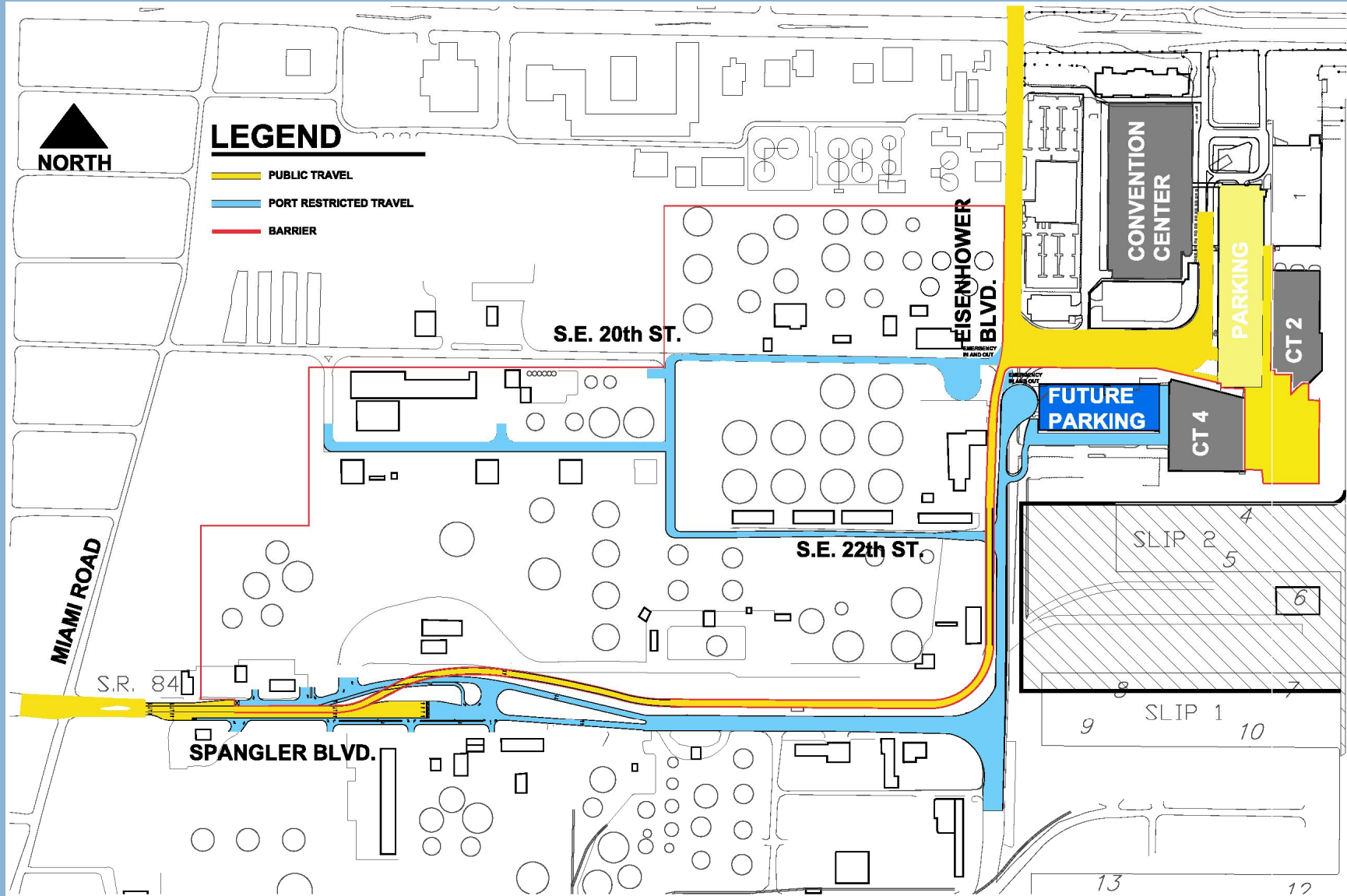
Input from Tenants - Northport

- Convention Center carve-out
- Expanded cruise berth at Berth 4
- Maintain 3 slips
 - These will be developed in a phased 5-, 10-, 20-year program to accommodate larger ships and improve navigational safety
 - Perhaps move Berth 5 to the south to serve general cargo ship, but provide lay-down area elsewhere
- Modify Eisenhower to accommodate increased slip length

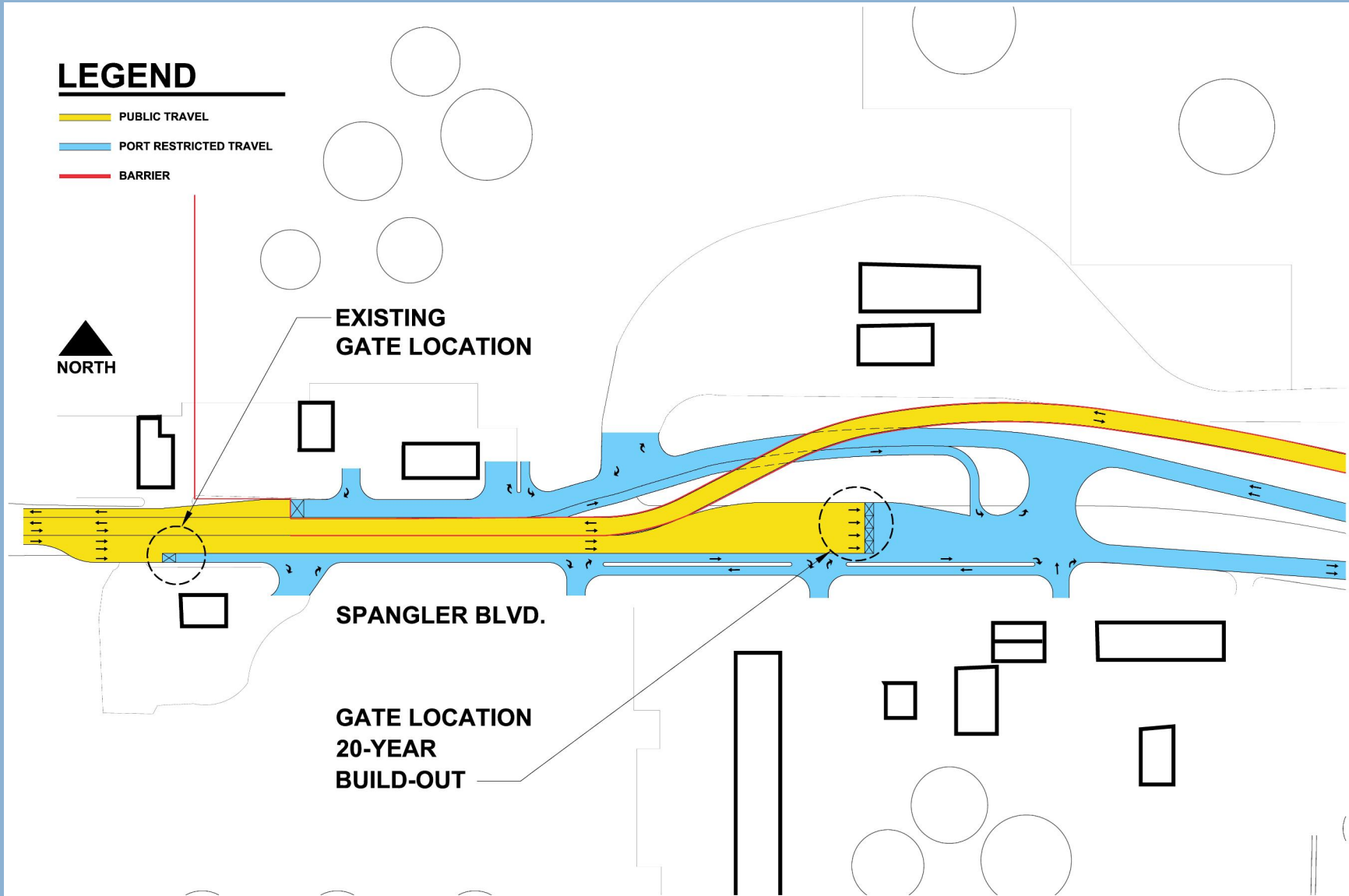
Northport – 20 Year Vision Plan (ALT L)



Conceptual By-Pass Road



By-Pass Road at Spangler Boulevard



Input from Tenants - Midport

- Cruise Terminal 18 Expansion
- Passenger Intermodal Center and passenger transport connectors to cruise terminals
- Extend Berth 24 for day cruise
- Tugs at Berth 23
- Fill Tracor Basin
- Long continuous wharf on Intracoastal Waterway
- Maintain “finger pier” berth
- Provide McIntosh loop road
- Shared cargo/cruise at Berths 16, 17, 18, and 27
- Demolish Cruise Terminal 29

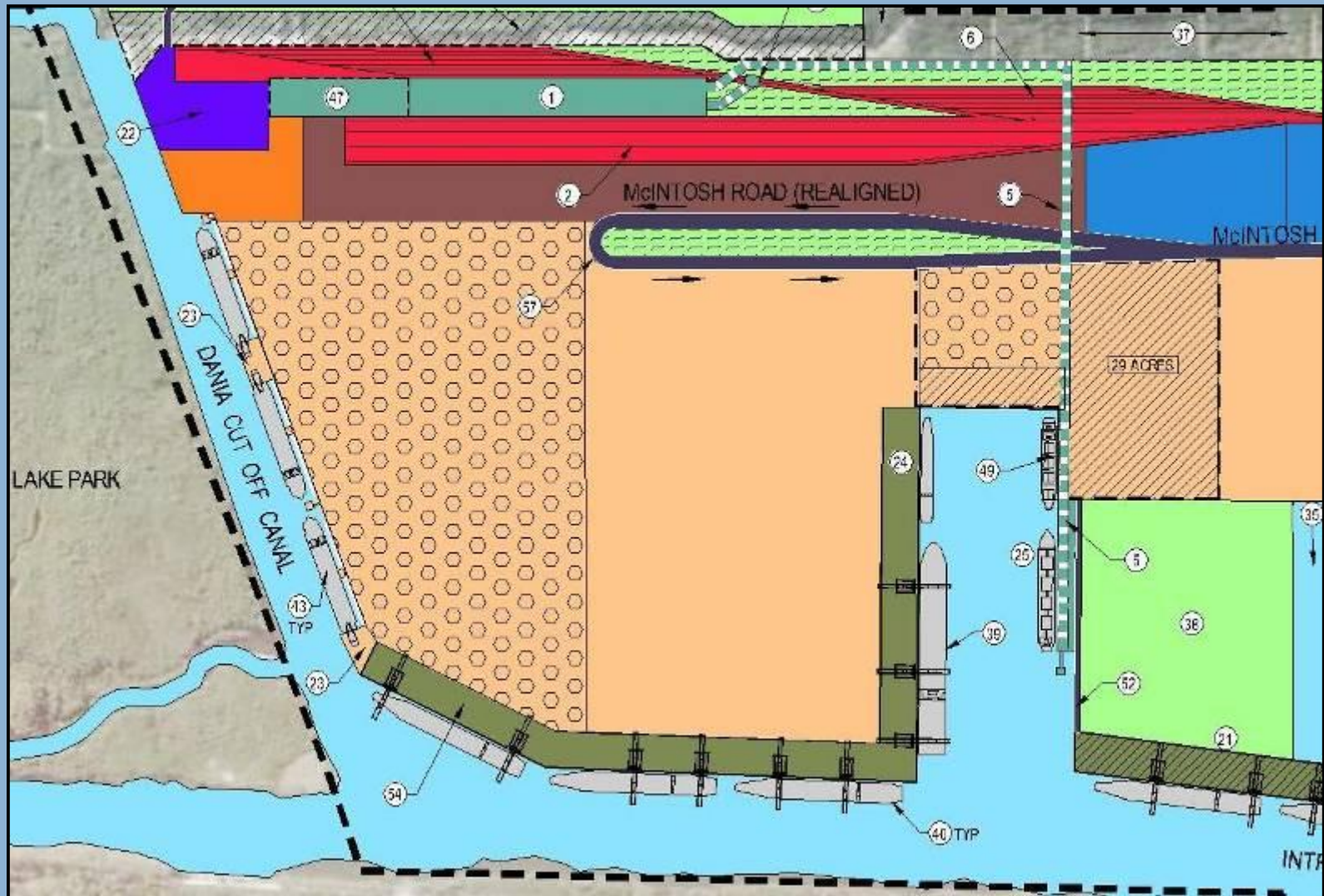
Midport – 20 Year Vision Plan (ALT L)



Input from Tenants - Southport

- Develop McIntosh loop road (right turns into terminals), also near term improvements on existing alignment
- Phased ICTF and aggregate facility development
- Extend container terminals westward
- Expand turning notch (provide opportunity for bulk, break-bulk ship – imported aggregate, other cargoes, wheeled operations)
- Develop DCC for RORO cargo
- Extend Berth 33A to 1,100 feet

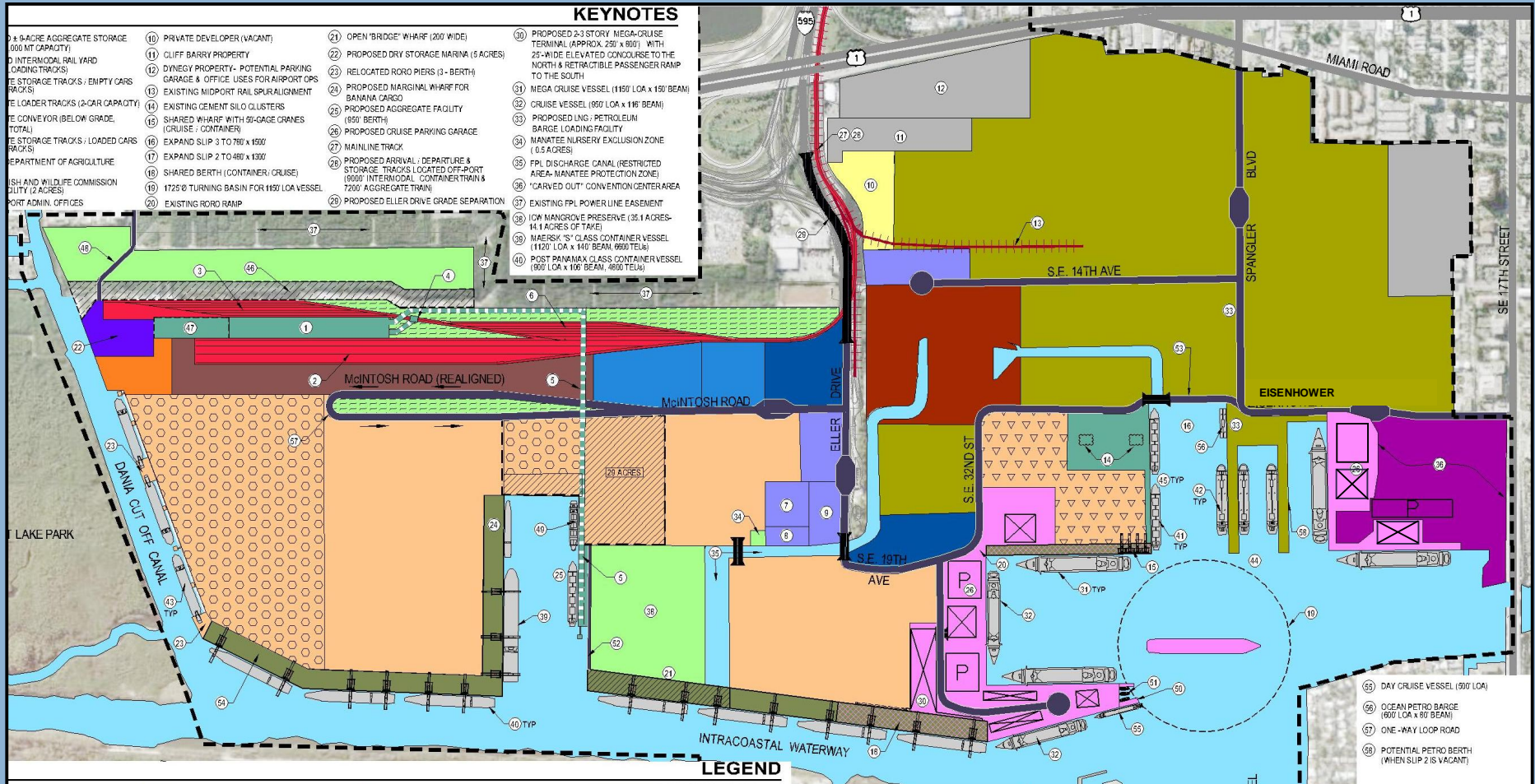
Southport – 20 Year Vision Plan (ALT “L”)



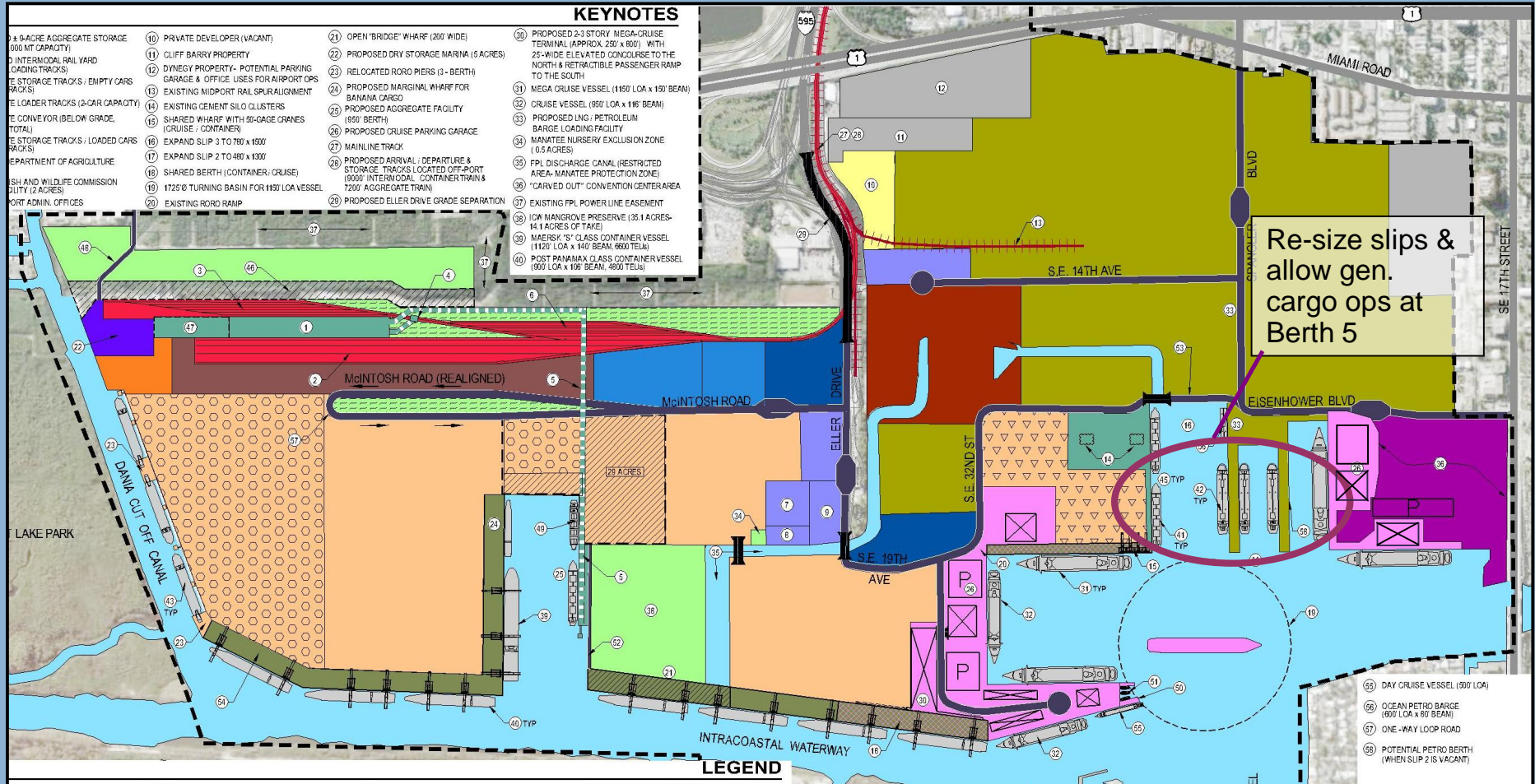
Results of Market Based Needs Assessment (20-Yr Plan)

	Berth Length (FT)	Berths Required (rounded)	Gross Area (acres)
Container Terminals			
RTG Operations	1100	5.6 (6)	140
RORO	700	2.9 (3)	89
Bananas (wheeled)	650	0.5 (1)	6
Non-Container Cargo Terminals			
Steel	700	0.8 (1)	7.7 (8)
Lumber	900	0.7 (1)	1.1
Cement	750	1.7 (2)	8.3 (10)
Aggregate	900	0.9 (1)	4.2 (6)
Cruise Terminals	1100-1300	8-10	NA
Petroleum Terminals	3 vessel/1 barge		292

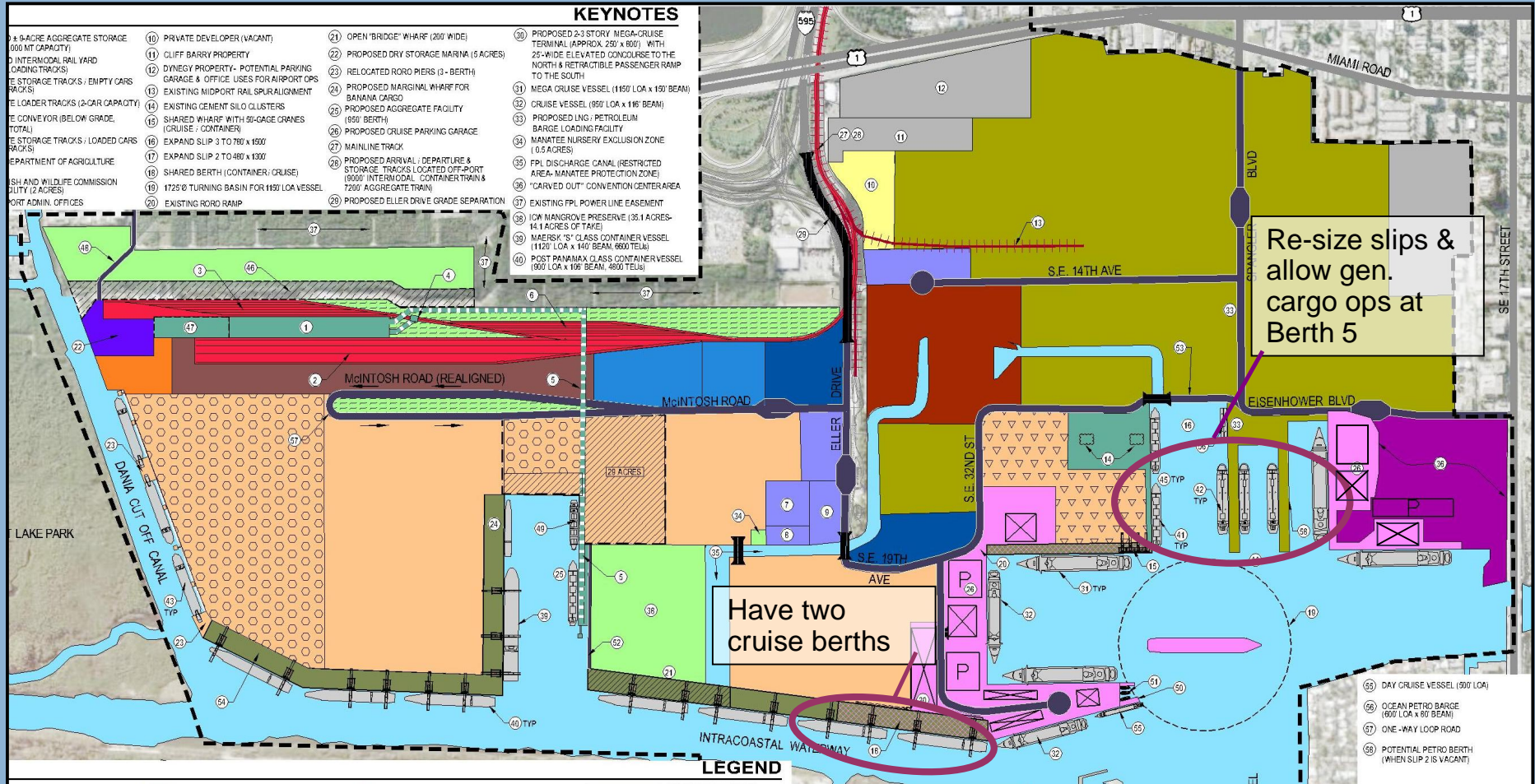
20-Year Vision Plan (ALT "L")



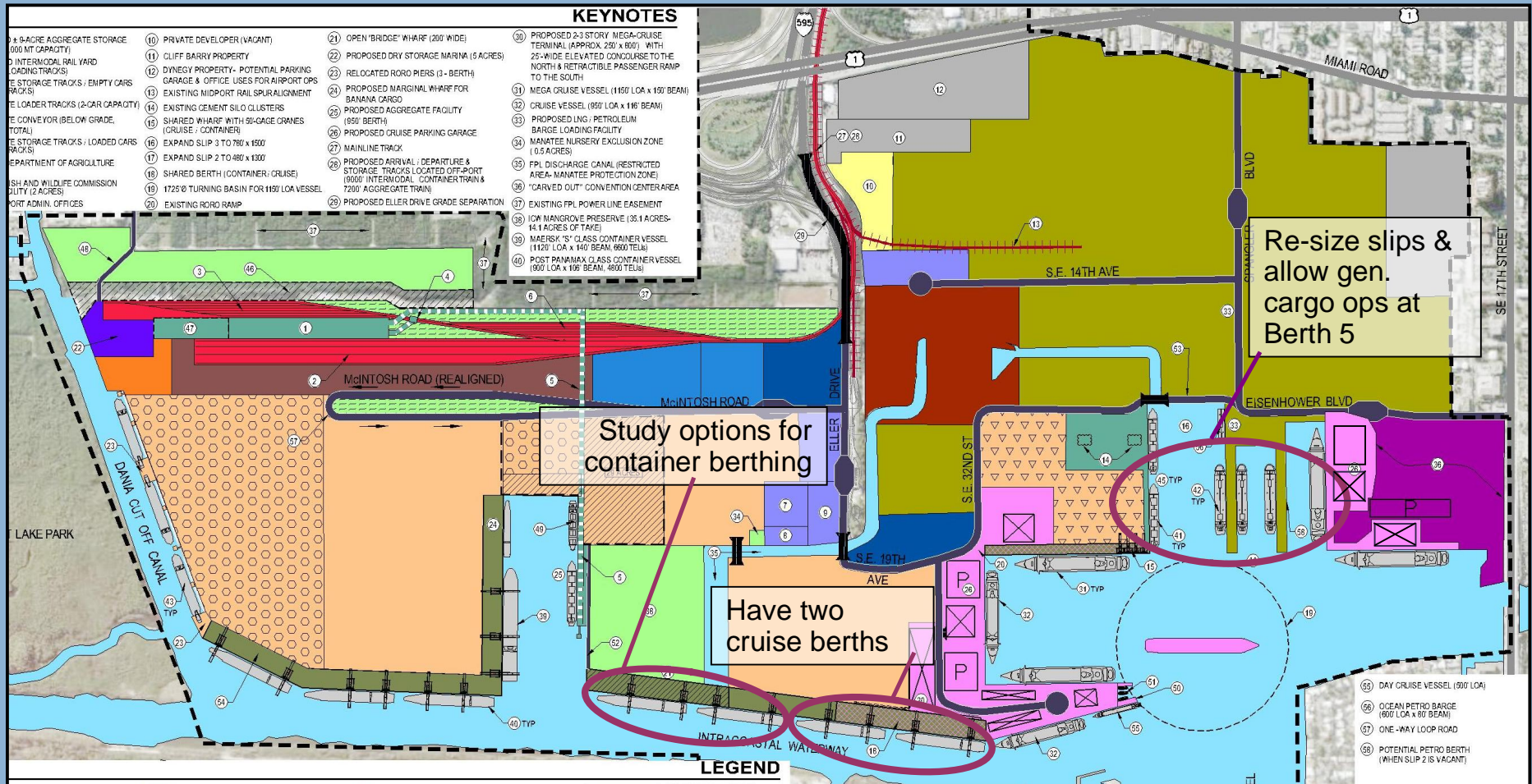
20-Year Vision Plan (ALT "L") – Comments



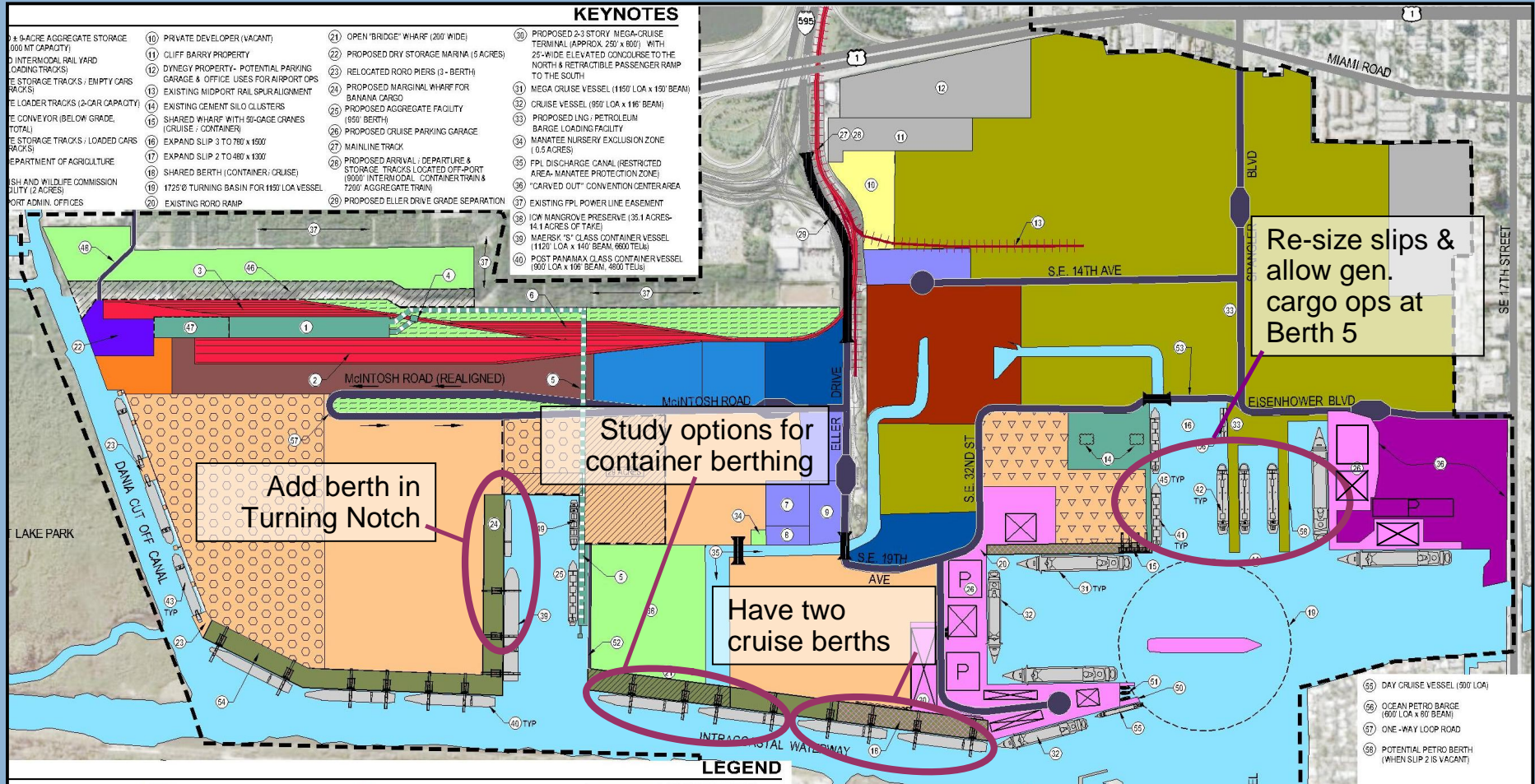
20-Year Vision Plan (ALT "L") – Comments



20-Year Vision Plan (ALT "L") – Comments



20-Year Vision Plan (ALT "L") – Comments



Slip Width Analysis - Review

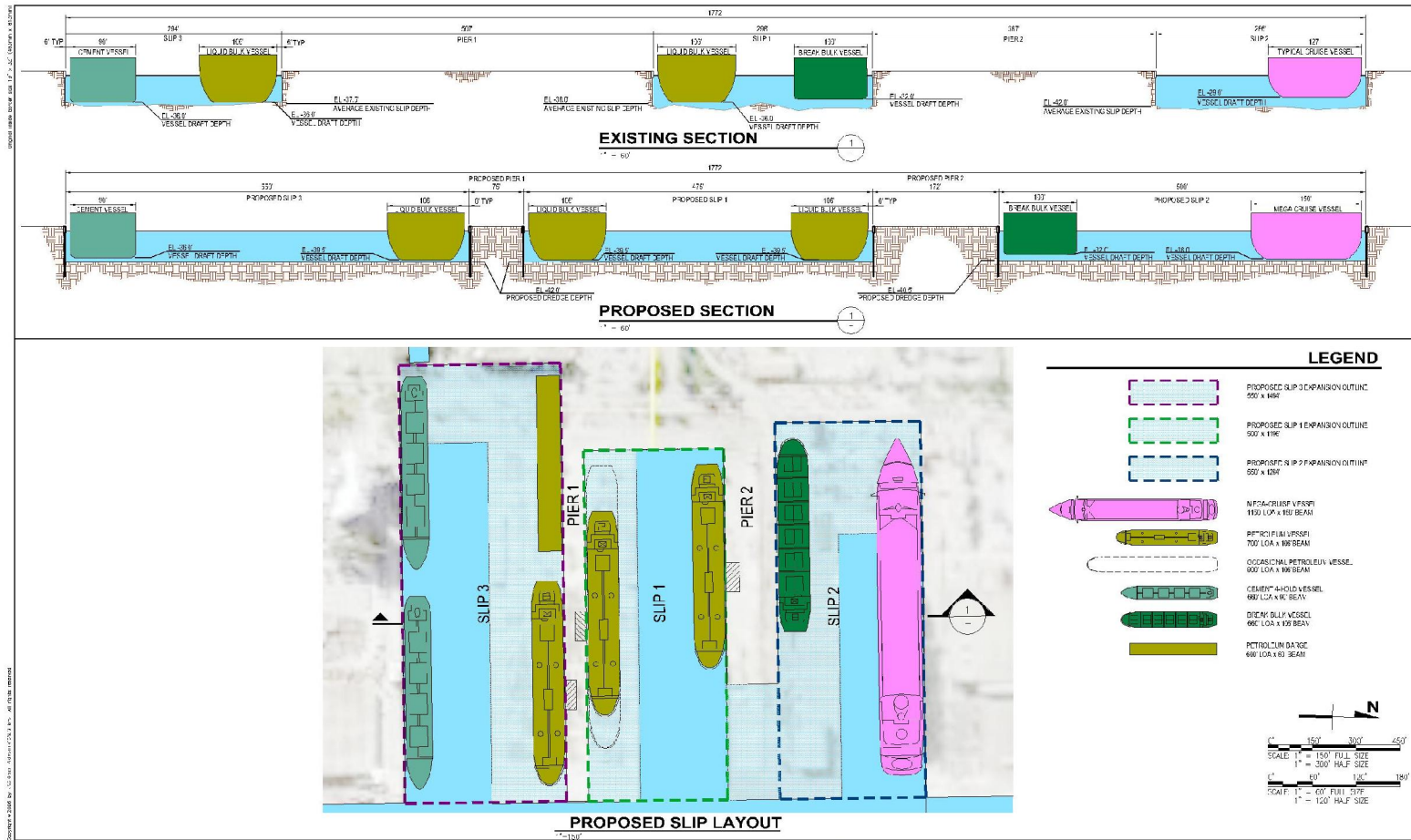
- Minimize slip widths to allow general cargo and cruise berthing in Slip 2
- Re-evaluated vessel navigation estimates
- Defined vessel operations
 - Slip 1 Cement Vessel (tandem) / Petroleum Vessel
 - Slip 2 Petroleum Vessel / Petroleum Vessel
 - Slip 3 Mega Cruise / General Cargo (Panamax)
- Assume that Berths 14/15 and 4 are in fixed position

Slip Width Analysis - Review

– Vessel Design Criteria Assumptions

Ship Type	LOA	Beam
Mega Cruise	1150	150
Petroleum	700	106
Petro Barge	600	80
Bulk - Cement	660	90
Bulk – General Cargo	660	106
Tug (5000 bhp)	100	

Slip Width Study – Revised Plan View A



Revision	By	Approved	Date

Portions of plans shown are property not owned or located by Port Everglades. Schemata are for information purposes only and do not constitute an offer of insurance. This plan is intended merely as a planning device and is in no way intended to limit the rights of property owners in each area.

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Drawn By: JH
Approved By: RE
Date: 7/7/07
Meeting: Meeting 0

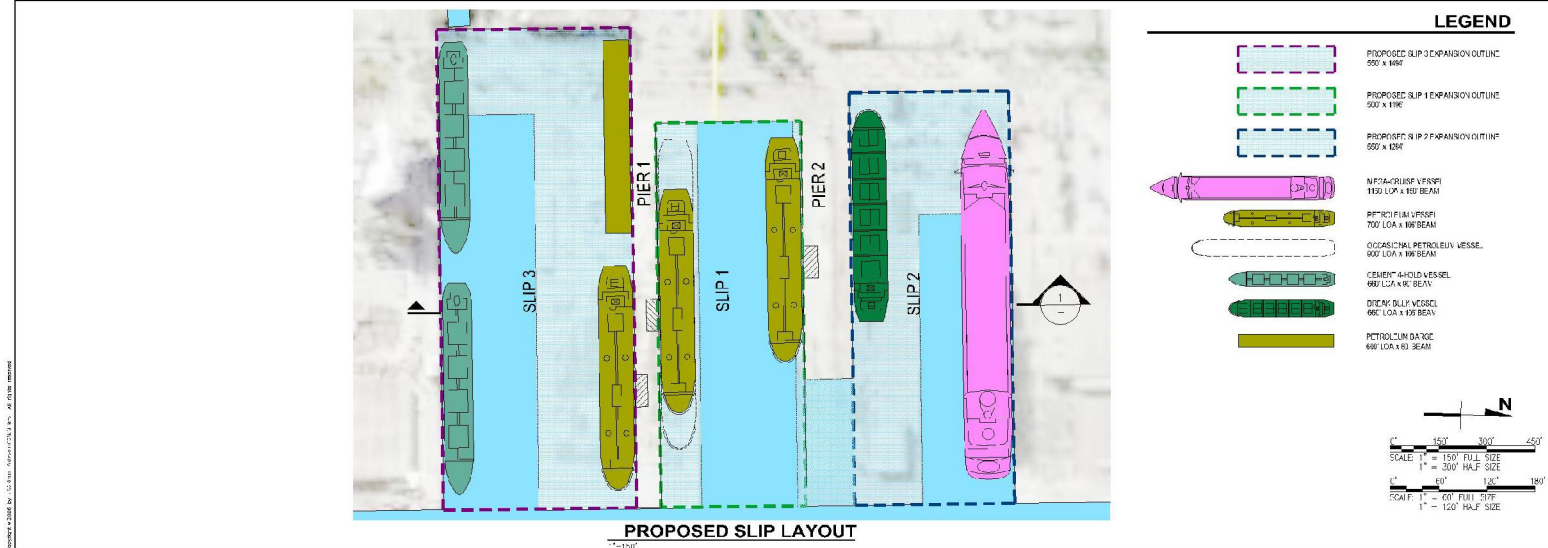
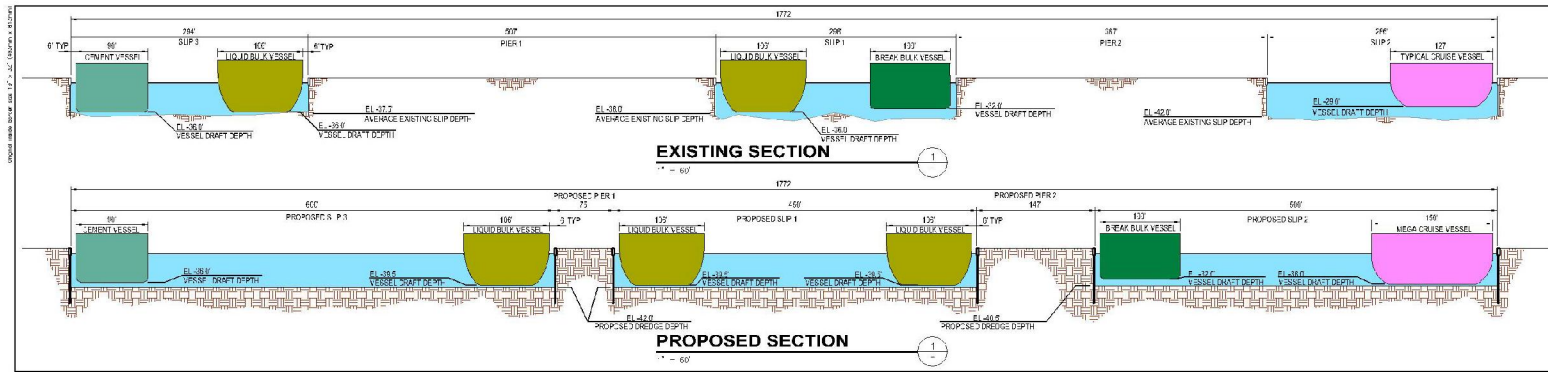


**PORT EVERGLADES
2006 MASTER PLAN UPDATE
CONCEPTUAL PLANNING**

Sheet Title: **SLIP EXPANSION STUDY
OPTION 1 – SR STAFF**

Project Number: 60018185 Sheet Number: 20

Slip Width Study – Revised Plan View B



Revision	Dr.	Approved	Date

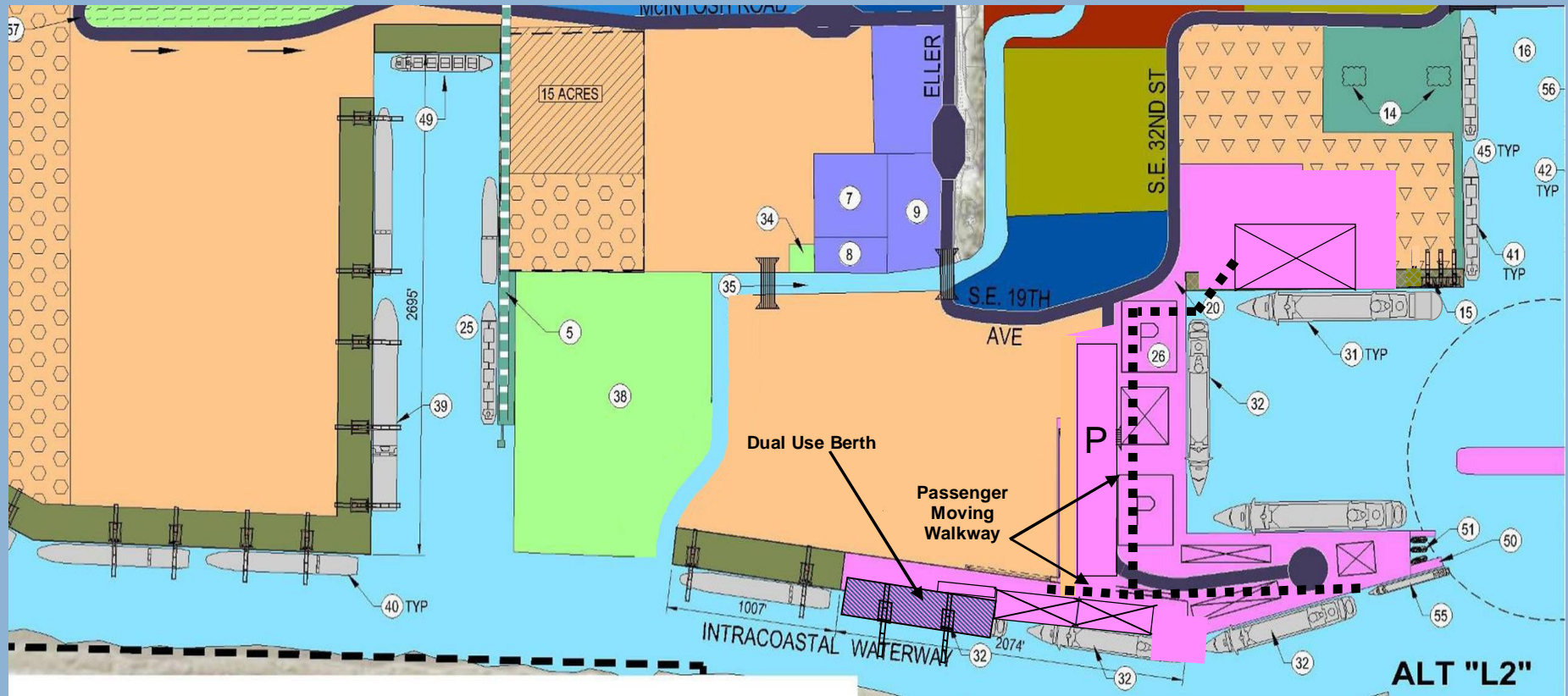
Portions of plans shown are of property not owned or leased by Port Everglades. Schemes are for design on purpose only and do not intend to be used as a basis for any other action. This plan is intended merely as a planning device and is not to be used as a basis for any other action.

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Date: 7/7/07
Meeting: Meeting
Review: Meeting

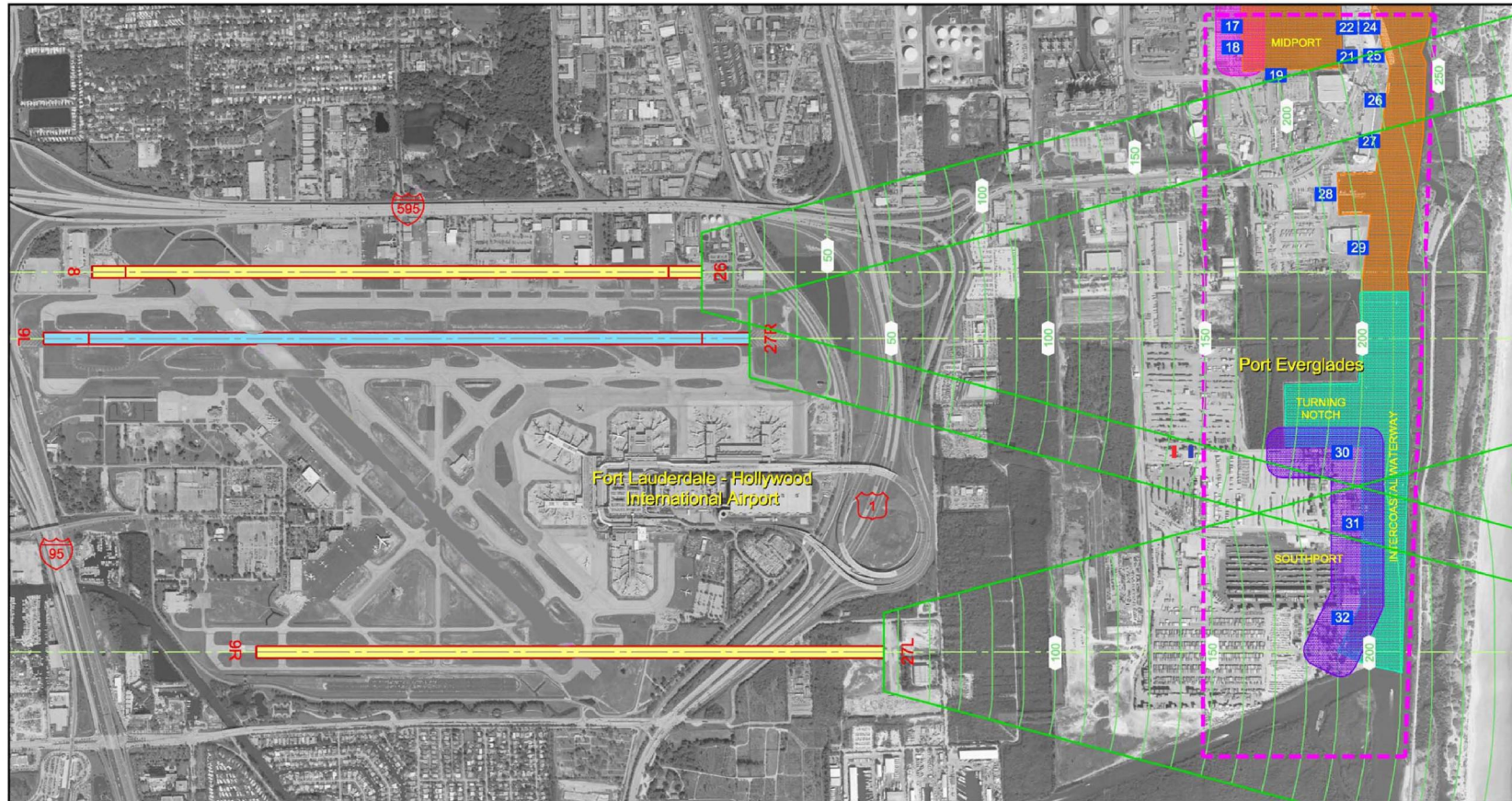
ICW / Turning Notch Berthing Option



ICW / Turning Notch Berthing Options

- 6 Container Berths
- 8 Cruise Berths (mixed lengths)
- Potential airport flight path issues
- Redirects FPL Outfall Canal to south at ICW
- Un-balanced wharf-backlands operations (long drays)
- Evaluating mangrove impact

Impact of FLL Flight Surfaces



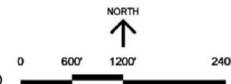
AIRPORT

- Existing runway
 - Proposed new runway / runway extension (1)
 - Decommissioned runway
 - Extended runway centerline
 - IFR departure obstacle clearance surface (TERPS)
 - Elevation contour of above-named surface, feet AMSL
- Note: where overlap occurs, contours are for lowest surface.

SEAPORT

- Study area
- Berth number
- Crane envelope of operation, approximately 160 feet AMSL
- Crane envelope of operation, approximately 280 feet AMSL
- Cargo ships, up to 55m (180 feet) above waterline
- Cruise ships, up to 62m (203 feet) above waterline

- WESTERN LIMIT OF CRANE W / SUSAN MAERSK
- WESTERN LIMIT OF CRANE W / O SUSAN MAERSK

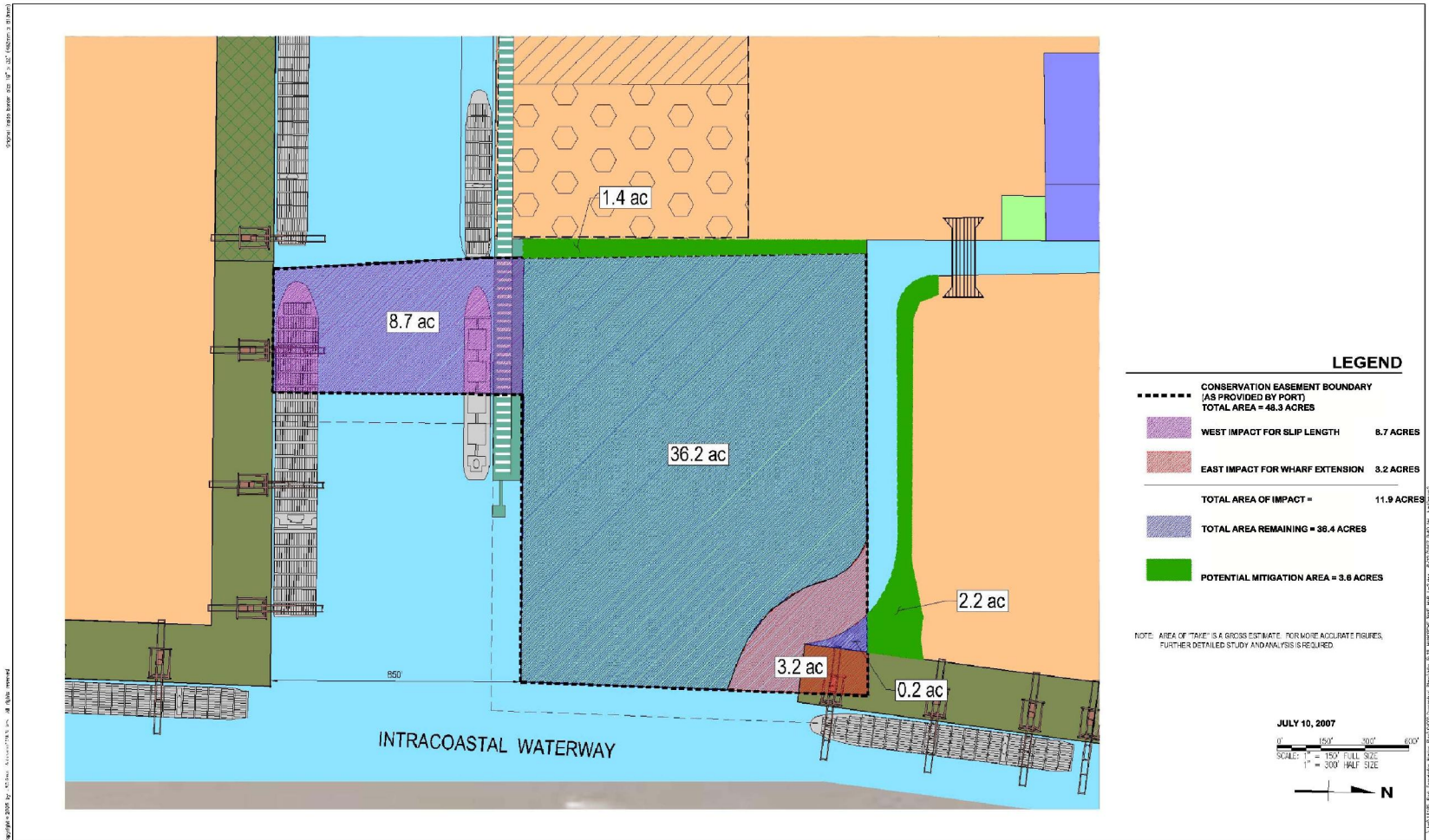


DRAFT
November 16, 2006

Figure 6
CRITICAL TERPS DEPARTURE SURFACES OVER STUDY AREA PROPOSED AIRFIELD DEVELOPMENT
Airspace Obstruction Study
Port Everglades Cranes and Ships
Fort Lauderdale-Hollywood International Airport
November 2006
JACOBS CONSULTANCY
Airport Management Consulting

(1) Scaled South Runway (SR-2L) from EIS team, Alternative B1; New North Parallel Runway (N-2R) from EIS team, Alternative D1.

Conservation Easement Impact



Revision	By	Approved	Date	Portions of plans shown are on property not owned or leased by Port Everglades. See discussion for discussion of Port Everglades and any other information of Port Everglades. This plan is intended to provide a preliminary conceptual illustration of the rights of property owners in all areas.

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Meeting: Meeting 10
Review: Meeting 10



**PORT EVERGLADES
2006 MASTER PLAN UPDATE
CONCEPTUAL PLANNING**

Sheet Title	
MANGROVE TAKE MAP 20 YEAR VISION PLAN ALTERNATIVE "M"	
Project Number	Sheet Number
60018185	28.2

20-Year Vision Plan Goals

	Berth Length (FT)	Berths Provided (rounded)	Terminal Area (gross acres)
Container Terminals			
RTG Operations	1000	6	198
RORO	700	3	89
Top-Pick Terminal	800	1+	30
Bananas (wheeled)	650	1	10
Non-Container Cargo Terminals			
General Bulk Cargo	900	1+	---
Cement	750	1.7 (2)	10
Aggregate	900	0.9 (1)	10
Cruise Terminals	1000-1200	8	64
Petroleum Terminals	3 vessel/1 barge		357

PROJECT DECISION MATRIX

Project Description	1-5 Years	6-10 Years	11-20 Years	Total Construction Cost	ROI	Net Present Value
<u>Example</u> CT 18 Phase 1	\$			\$		
Phase 2	\$			\$		
Total Project	\$			\$	%	\$

Project Description	Economic Impact			Environmental Impact				Customer / Regulatory Need		
	Local	Jobs	Taxes	High	Mid	Low	Permit Required	High	Mid	Low
<u>Example</u> CT 18 Phase 1										
Phase 2										
Total Project	\$	Quantity	\$			X		X		

Development of CIP

	08	09	10	11	12	Total
01 – General Infrastructure Improvements						
02 – Master Plan Projects						
03 – ACOE Dredging Project						
04 – Other Port Capital Improvements						
Funding of Capital						
By Internal (I)						
By Grants (G)						
By Debt Funding (U)						
By Public/Private Partnership						
By Design/Build/Finance						
Total Capital Budget						500+/-

Note: Year 2016 is 10-Year Planning Horizon

Year 2026 is 20-Year Planning Horizon