



The 40-year Planning Evolution of Global Terminal

AAPA Marine Terminal Management Training Seminar
September 17-21, 2012
Baltimore, Maryland

Jim Devine
President & CEO
Global Container Terminal

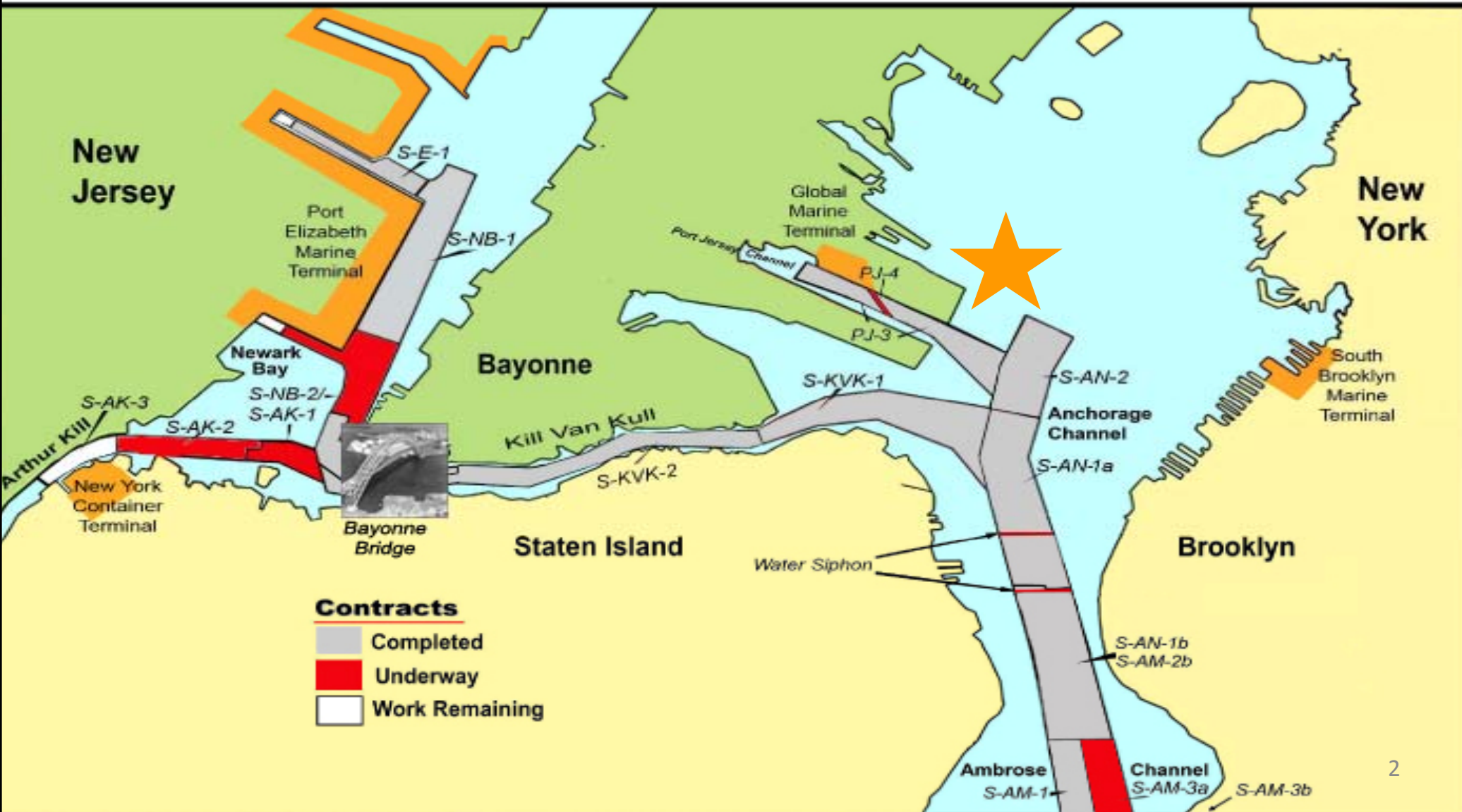


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Port of New York & New Jersey

General Map of NY & NJ Harbor Deepening Contract Areas (50 ft)

As of March 12, 2012



1956 - Birth of an industry in NJ





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1960's - "A chassis for every box"





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1970's - Creating a landfill



1980's – Chassis & 50-ft Cranes





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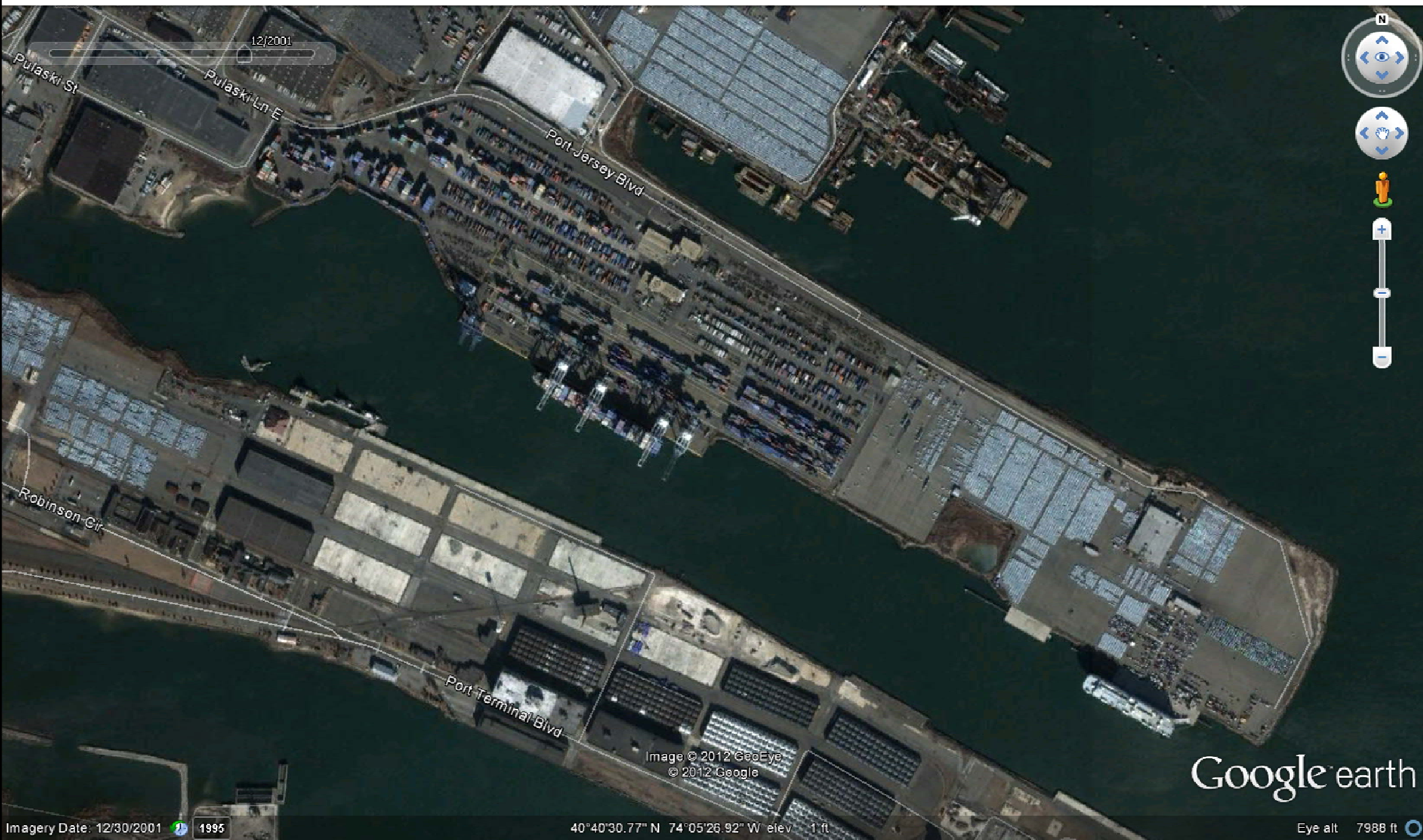
1990's – RTG transition & 100' Cranes



1997 – The next 10-year reality



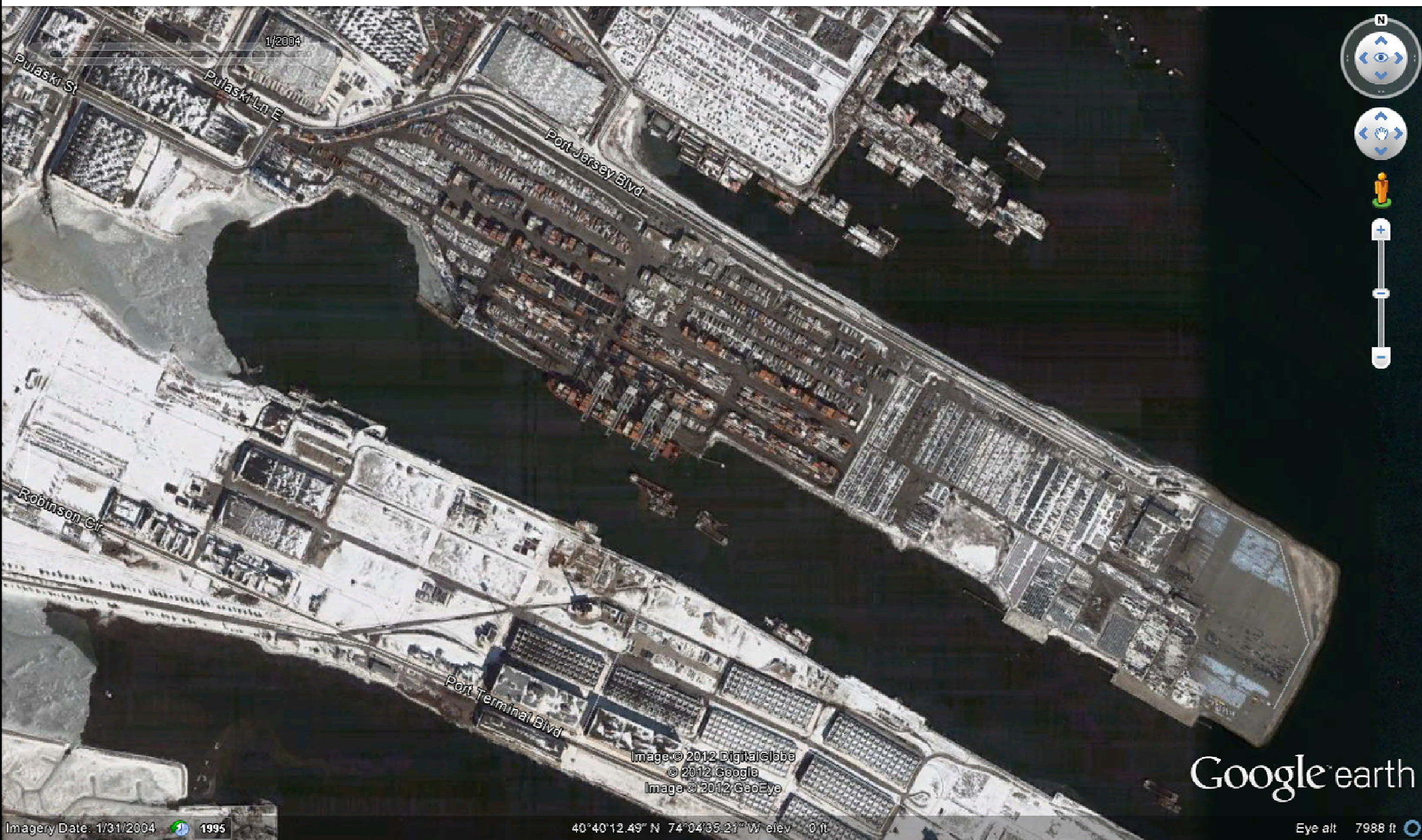
2002 – The next 10-year reality



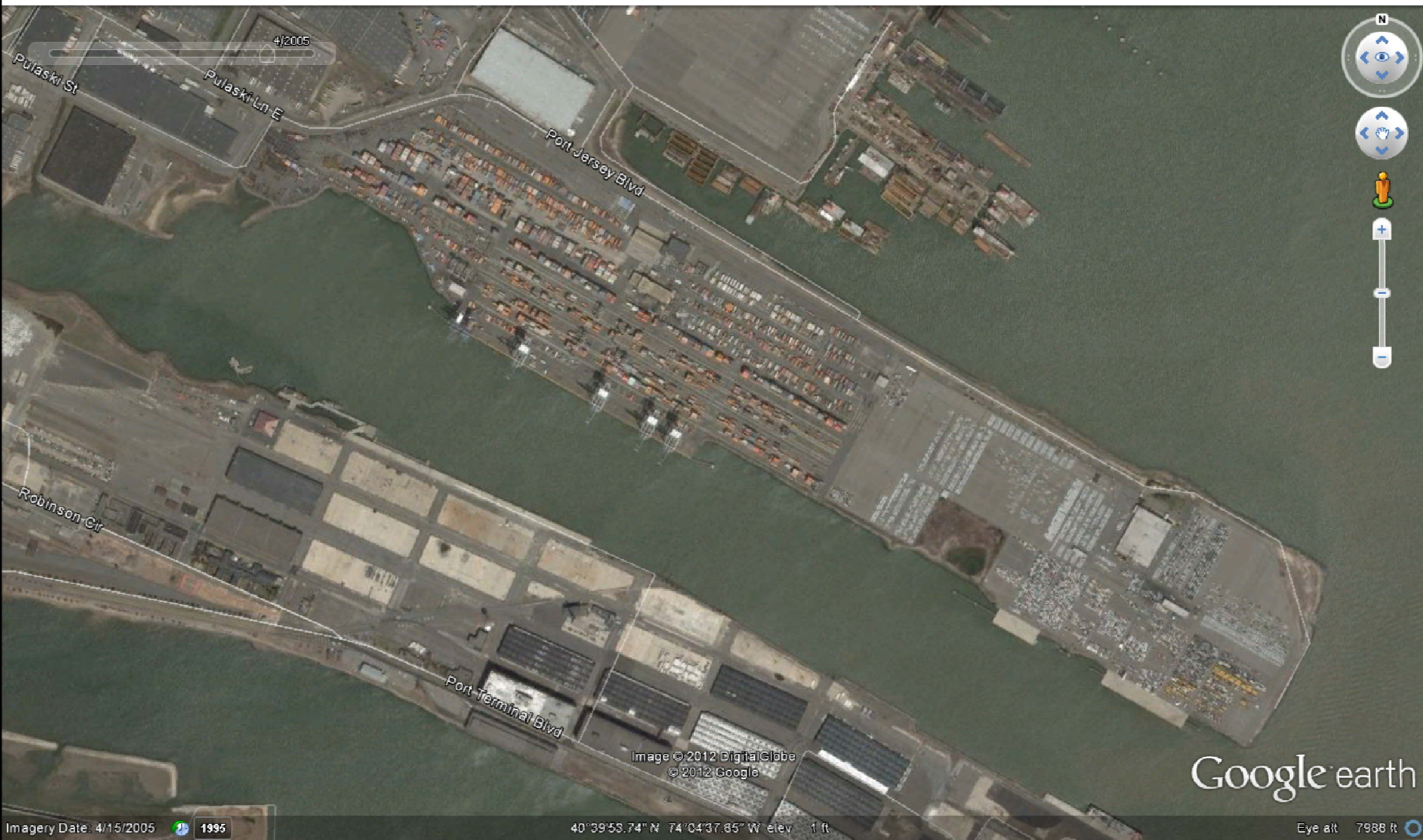
2003 – The next 10-year reality



2004 – The next 10-year reality



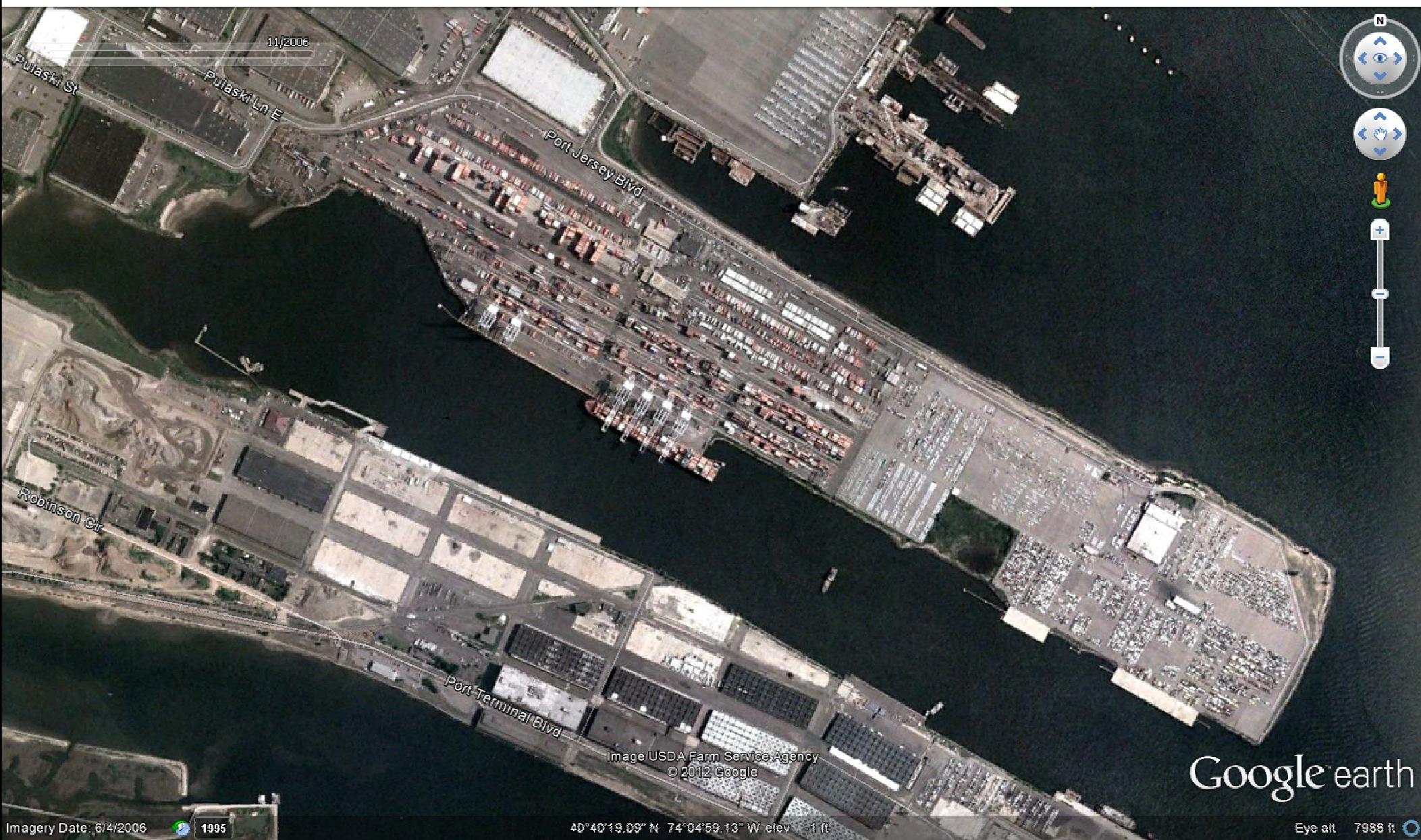
2005 – The next 10-year reality



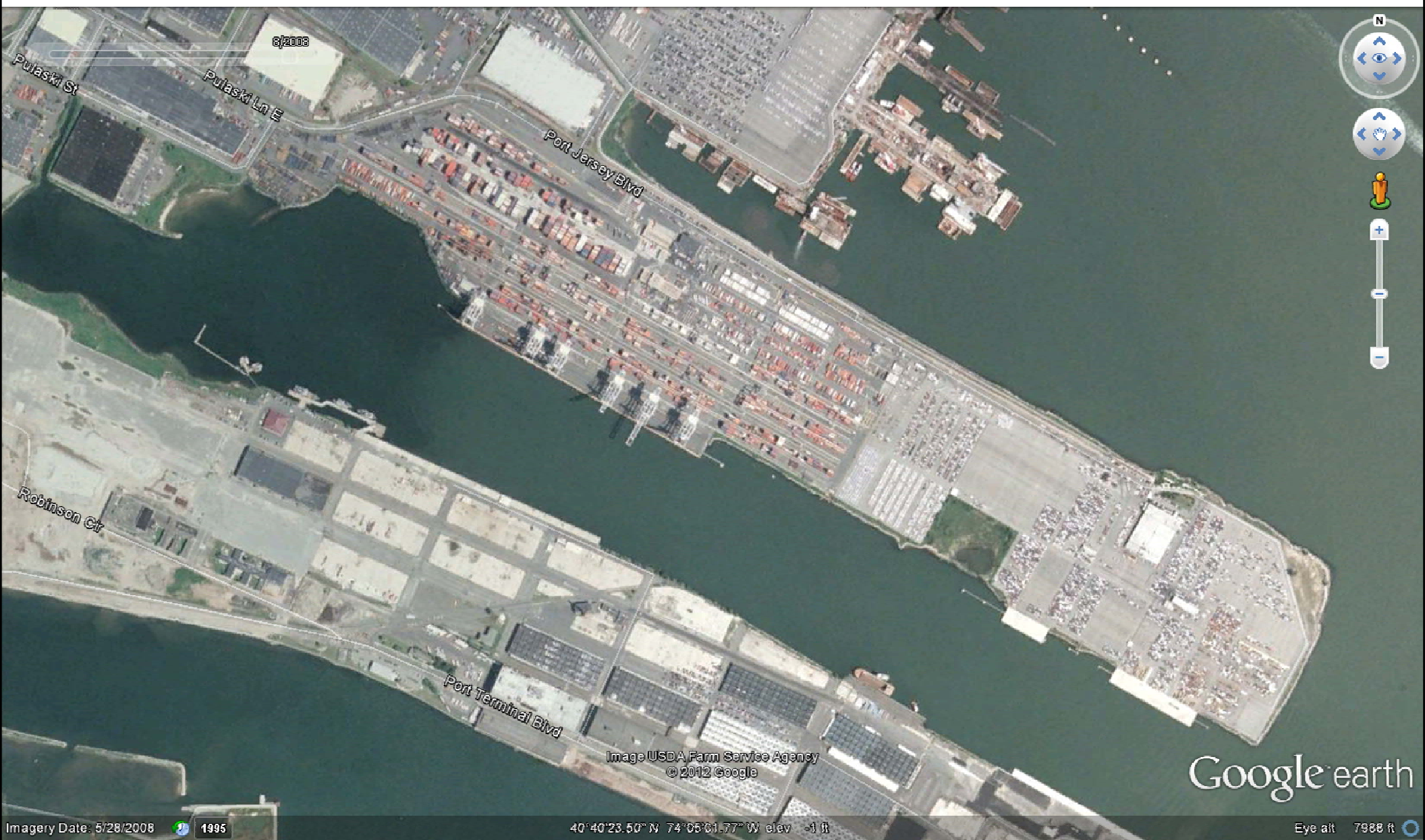
2006 – The next 10-year reality



2007 – The next 10-year reality



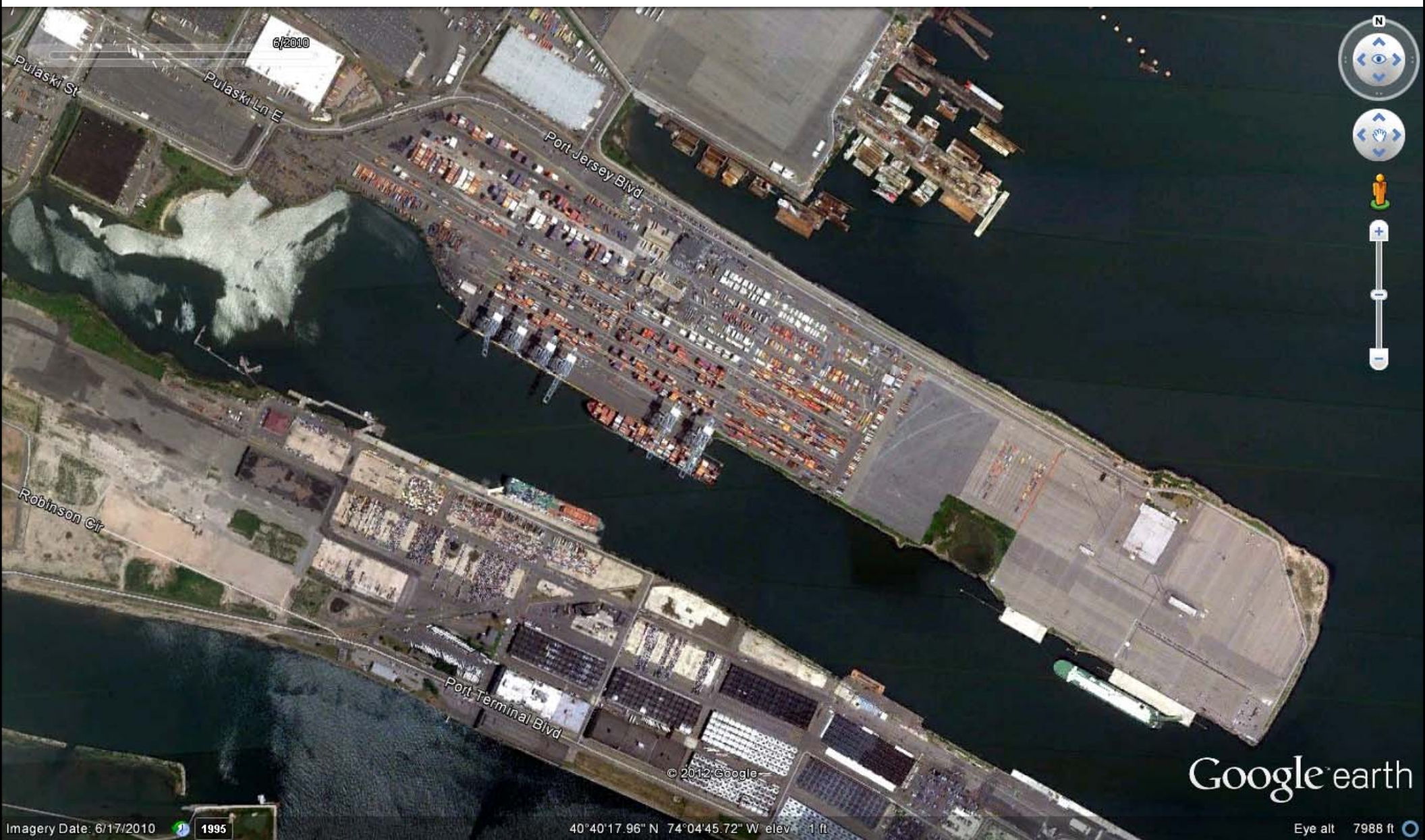
2008 – The next 10-year reality



2009 – The next 10-year reality



2010 – The next 10-year reality



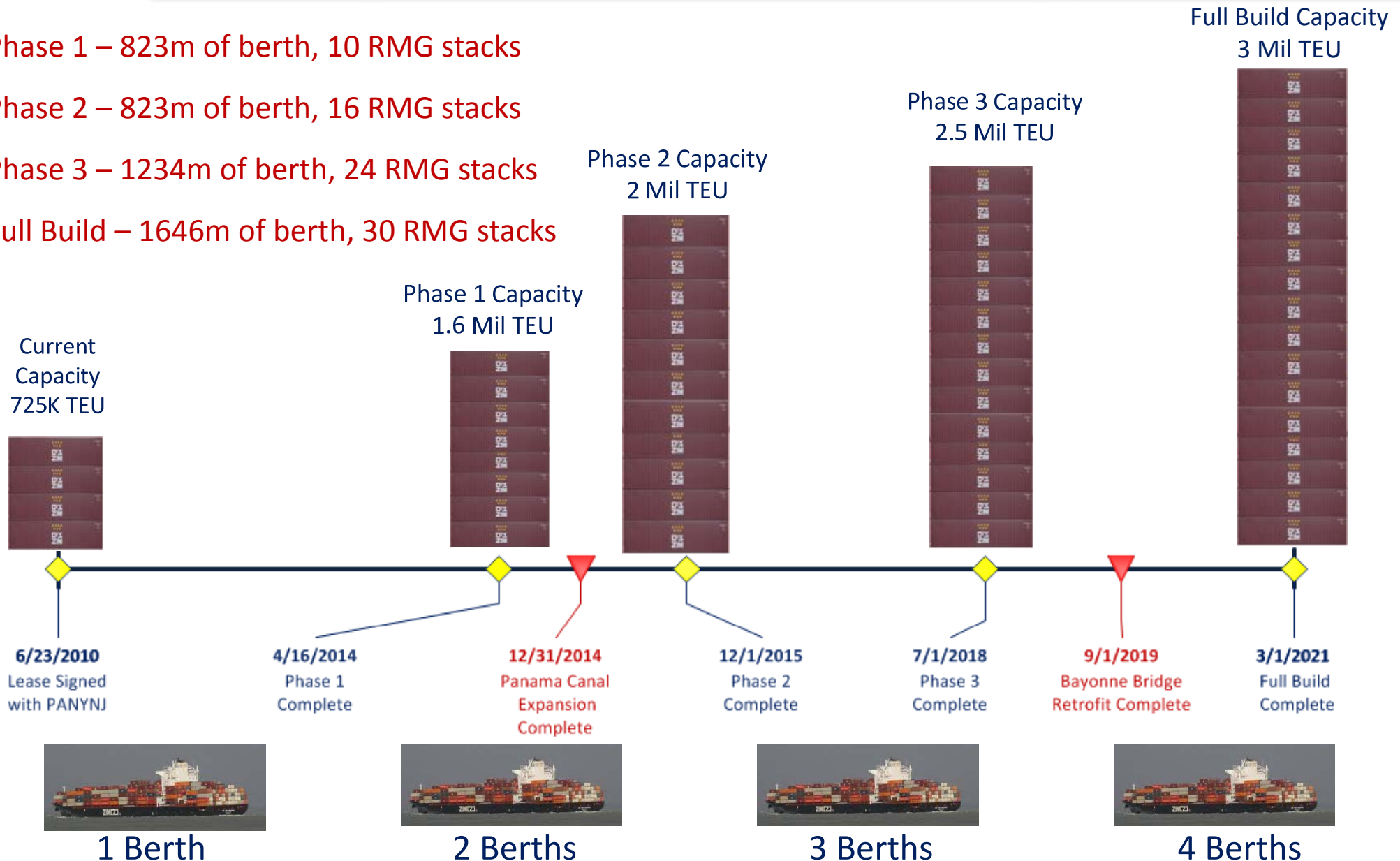
2010 – Sale-lease-back to PANYNJ & Start of the Expansion Project

Phase 1 – 823m of berth, 10 RMG stacks

Phase 2 – 823m of berth, 16 RMG stacks

Phase 3 – 1234m of berth, 24 RMG stacks

Full Build – 1646m of berth, 30 RMG stacks



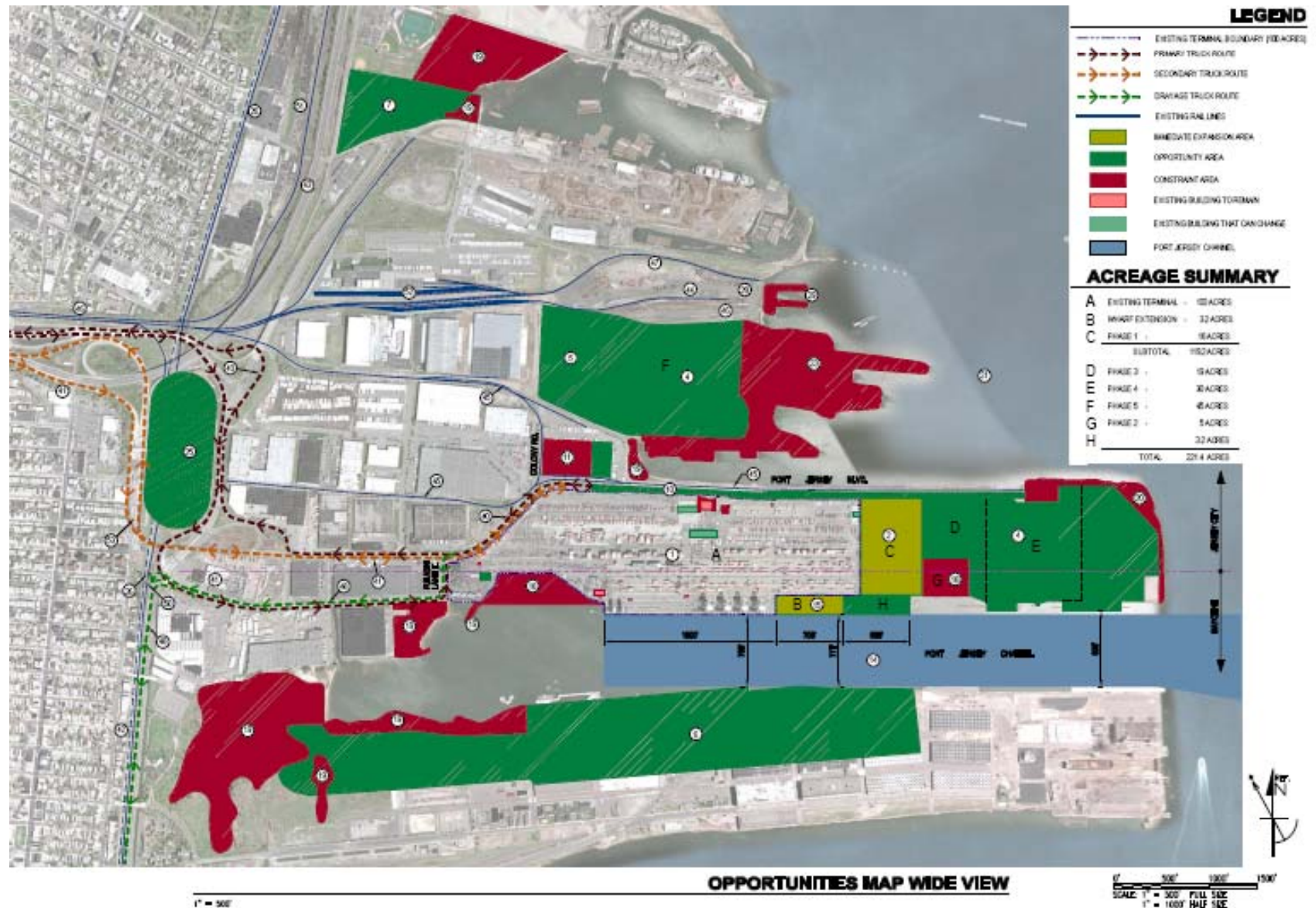
2003 – 1st Conceptual Master Plan



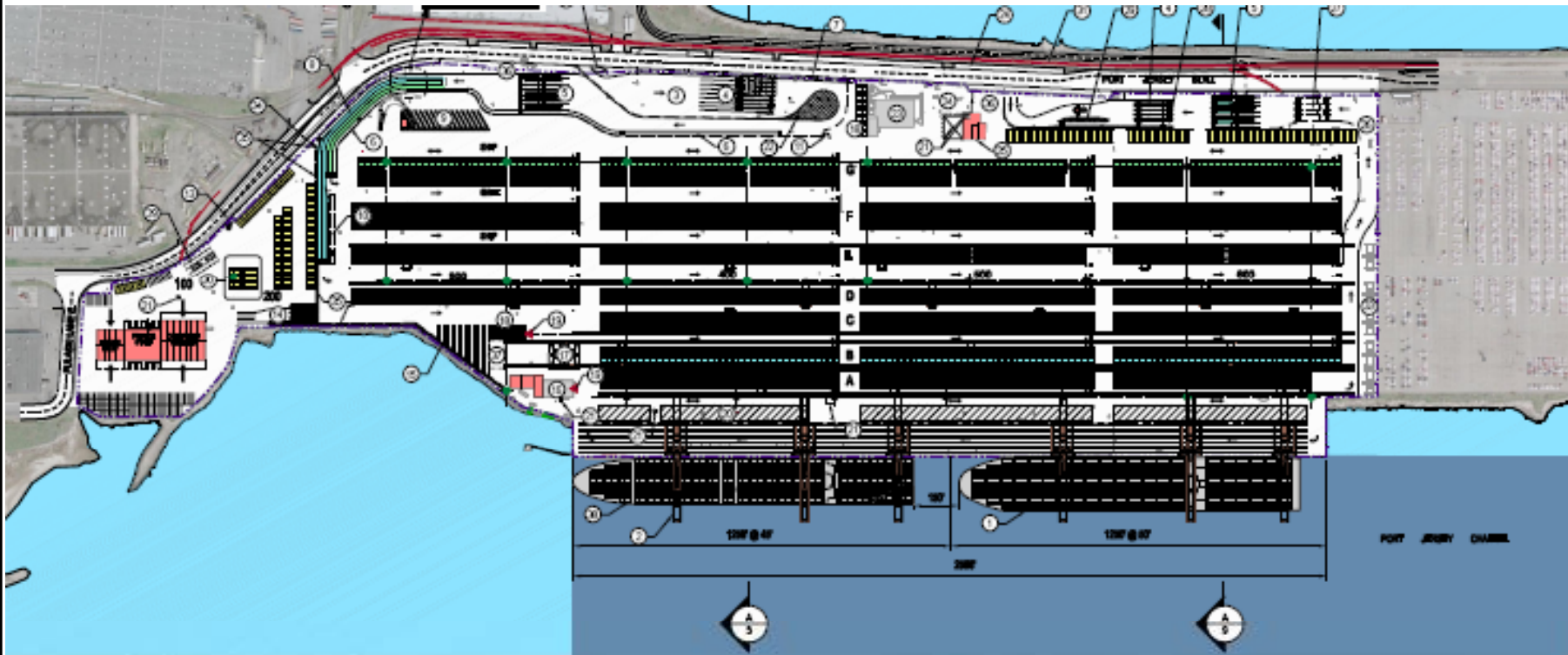


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2007 – 2nd Conceptual Master Plan



2007 – 2nd Conceptual Master Plan



CONTAINER YARD PLAN - 104 ACRES - HIGH DENSITY

1" = 400'

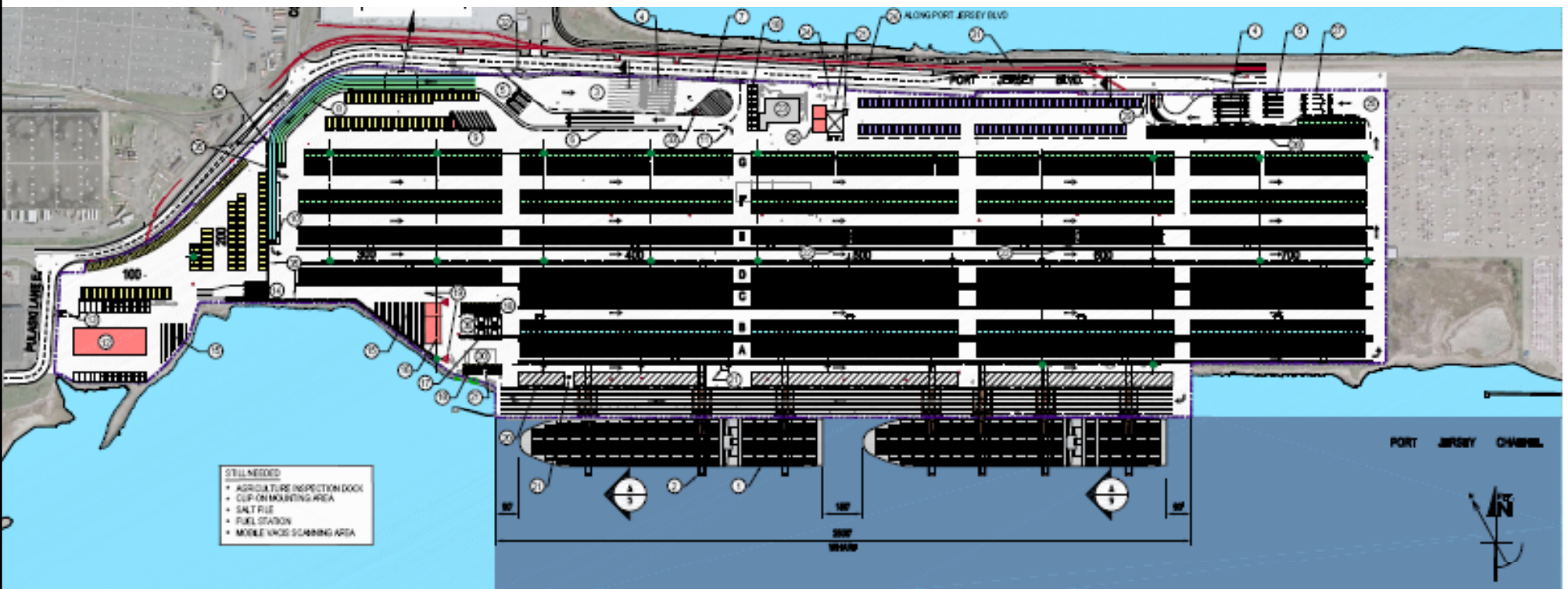
1" = 300' FULL SIZE
1" = 400' HALF SIZE

PRELIMINARY



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2007 – 2nd Conceptual Master Plan

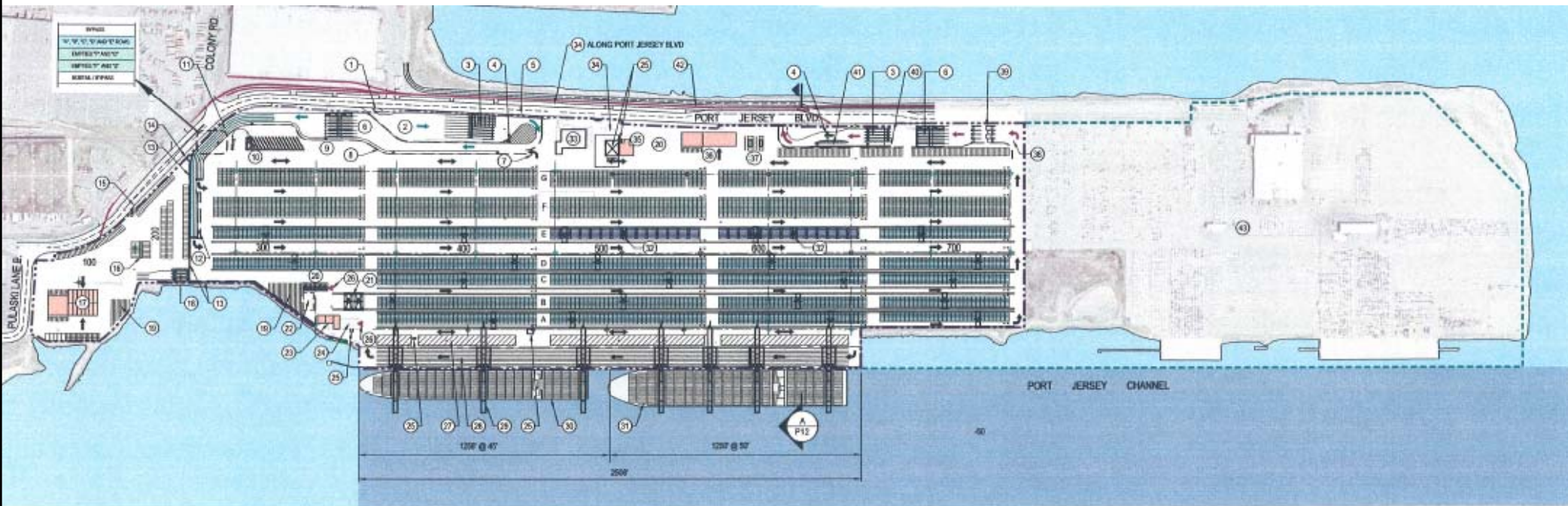


1" = 100'

CONTAINER YARD PLAN - 120 ACRES - HIGH DENSITY

1" = 200' FULL SIZE
1" = 400' HALF SIZE
PRELIMINARY

2008 – 3rd Conceptual Master Plan



CONTAINER YARD PLAN - 120 ACRES - HIGH DENSITY - RTG PARALLEL

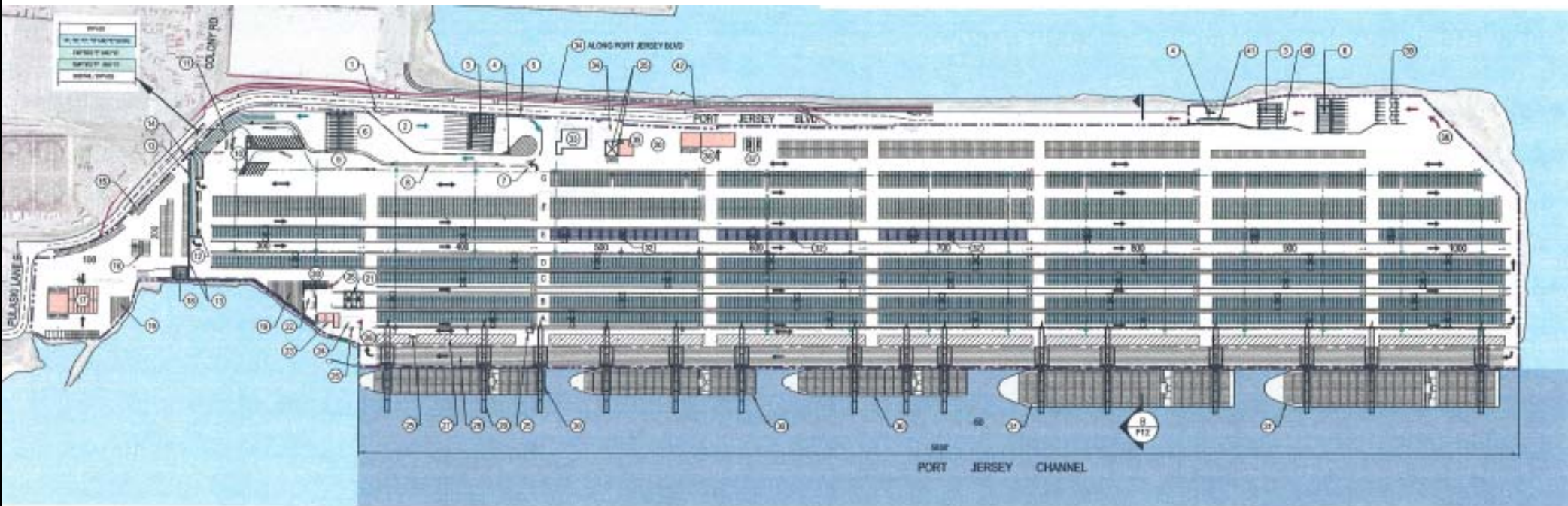
1" = 250'



0' 250' 500' 750'
SCALE: 1" = 250' FULL SIZE
1" = 500' INSET SIZE

PRELIMINARY

2008 – 3rd Conceptual Master Plan



CONTAINER YARD PLAN - WHOLE PENINSULA - RTG PARALLEL



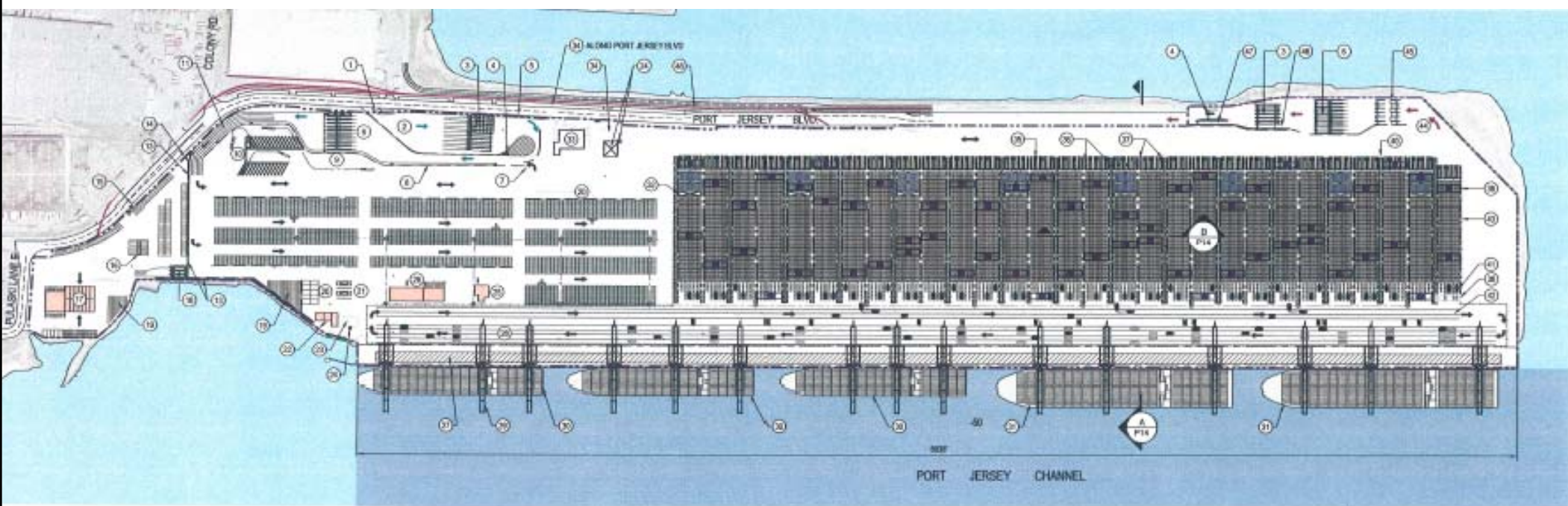
SCALE: 1" = 200' FULL SIZE
1" = 500' HALF SIZE

PRELIMINARY



PRELIMINARY

2008 – 3rd Conceptual Master Plan



CONTAINER YARD PLAN - WHOLE PENINSULA - ASC / SHUTTLE CARRIER - PERPENDICULAR

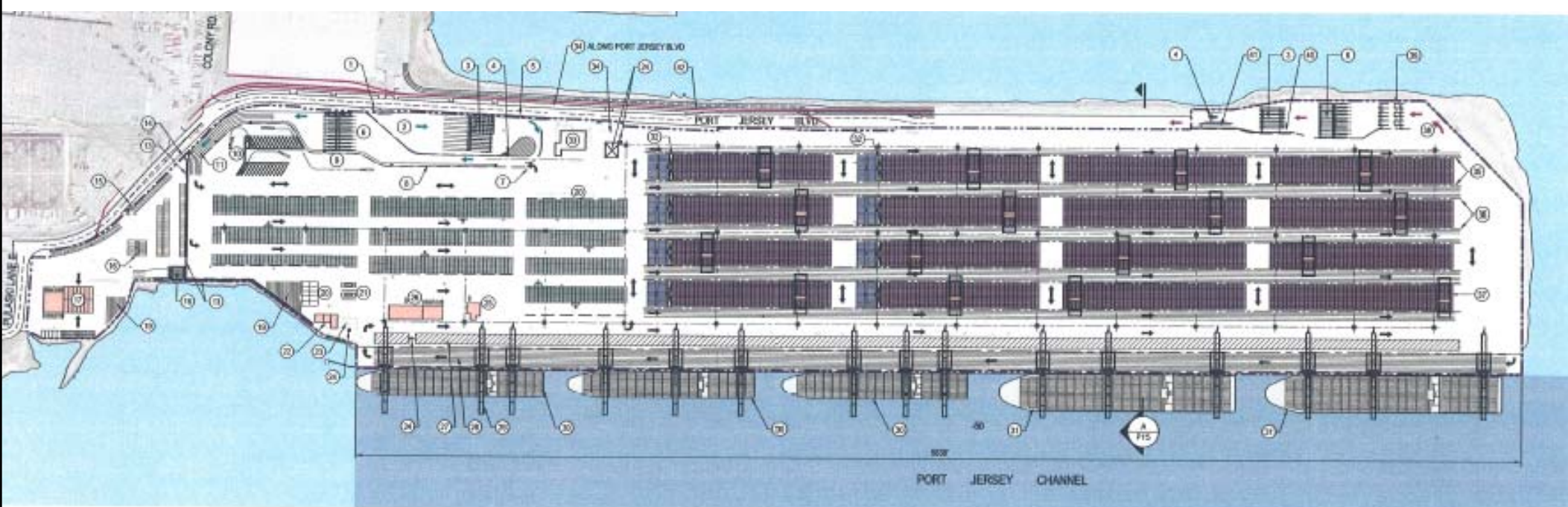
1" = 500'



0' 250' 500' 750'
SCALE: 1" = 250' FULL SIZE
1" = 500' HALF SIZE

PRELIMINARY

2008 – 3rd Conceptual Master Plan



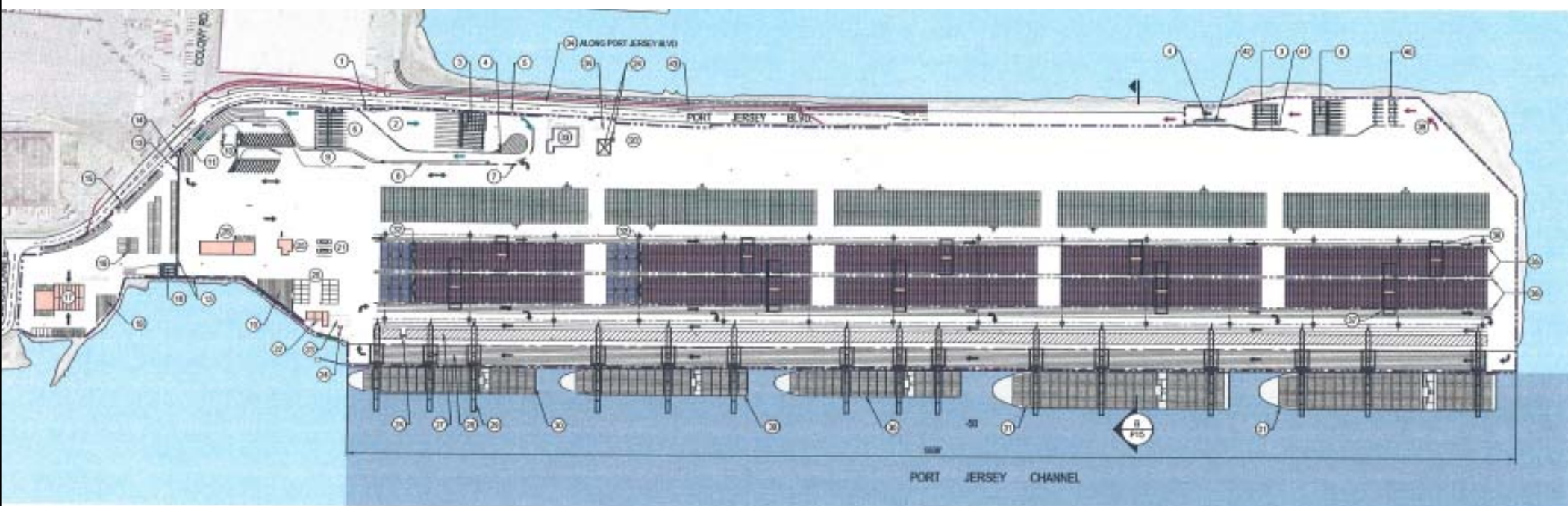
CONTAINER YARD PLAN - WHOLE PENINSULA - DOUBLE CANTILEVER RMG - PARALLEL

1" = 250'



0' 250' 500' 750'
SCALE: 1" = 250' FULL SIZE
1" = 500' HALF SIZE
PRELIMINARY

2008 – 3rd Conceptual Master Plan



CONTAINER YARD PLAN - WHOLE PENINSULA - NESTED RMGS - PARALLEL

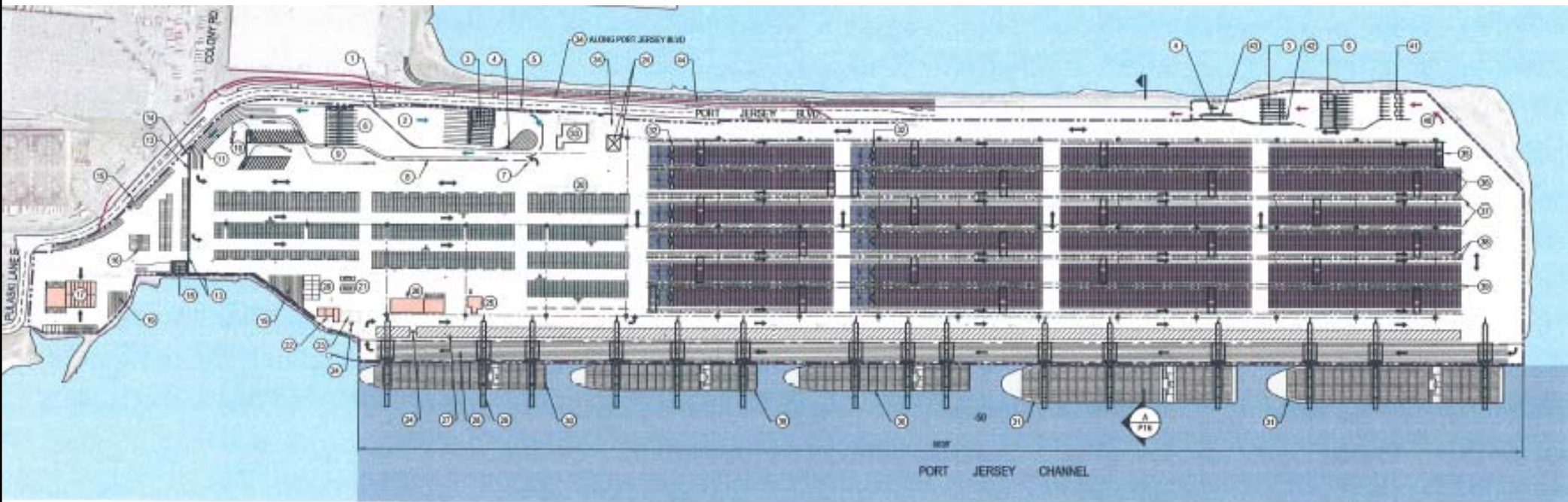
1" = 250'



0' 250' 500' 750'
SCALE: 1" = 250' FULL SIZE
1" = 500' HALF SIZE

PRELIMINARY

2008 – 3rd Conceptual Master Plan



CONTAINER YARD PLAN - WHOLE PENINSULA - PORTAL RMG - PARALLEL

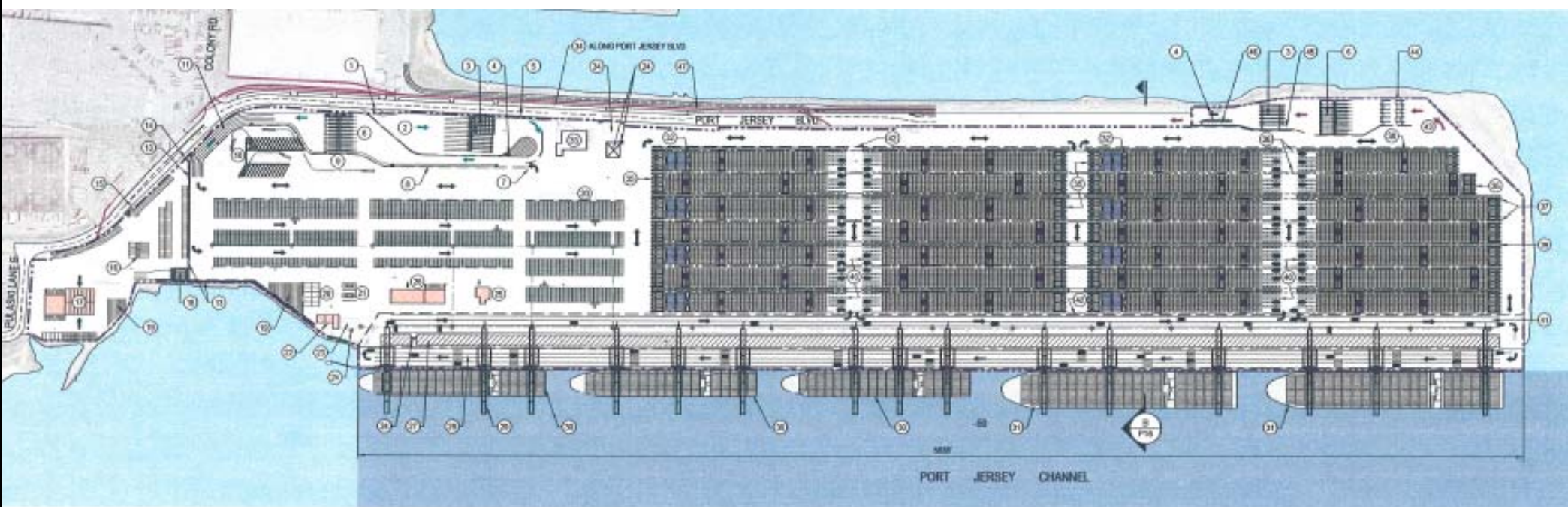
1" = 500'



0' 250' 500' 750'
SCALE: 1" = 250' FULL SIZE
1" = 500' HALF SIZE

PRELIMINARY

2008 – 3rd Conceptual Master Plan

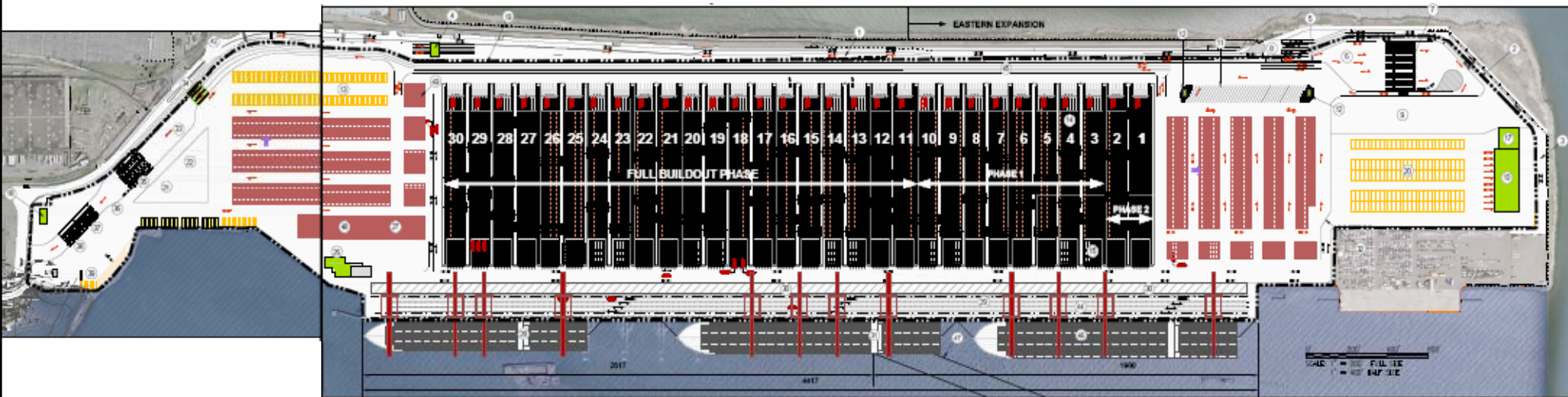


CONTAINER YARD PLAN - WHOLE PENINSULA - ASC / SHUTTLE CARRIER - PARALLEL

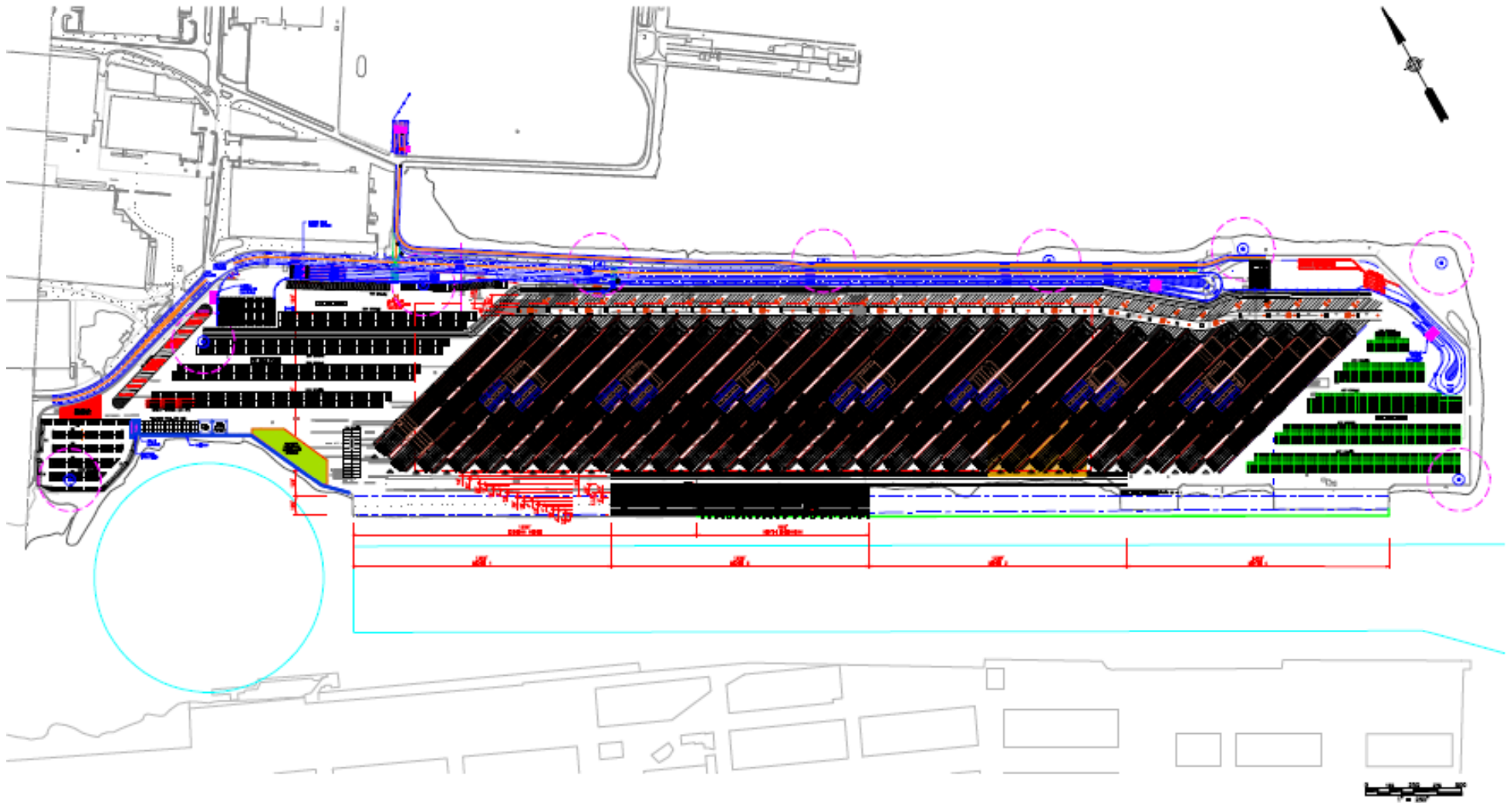
1" = 250'



2009 – 4th Conceptual Master Plan



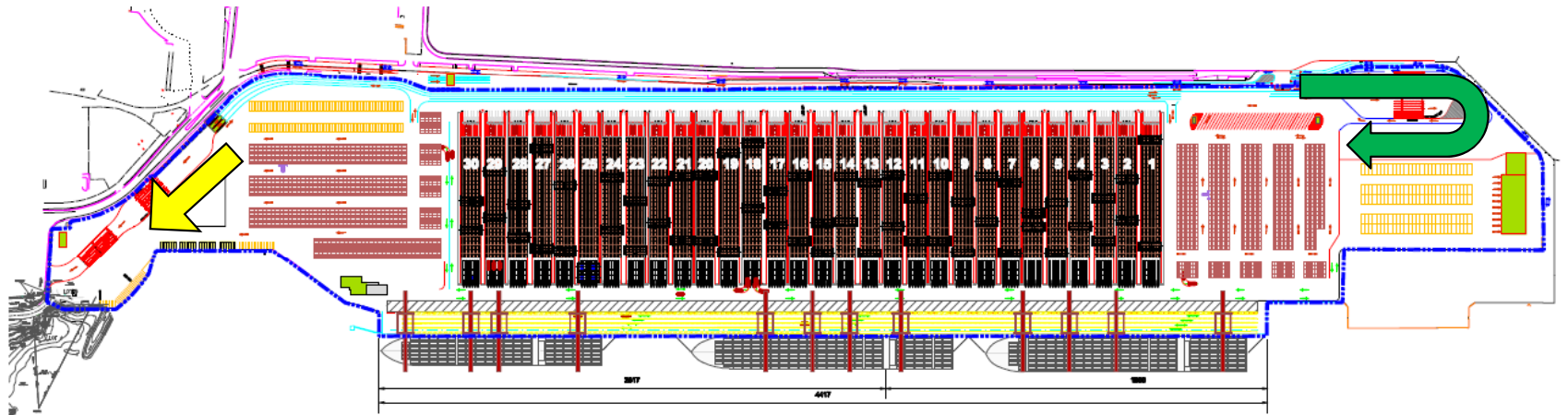
2010 – 5th “FINAL” Master Plan





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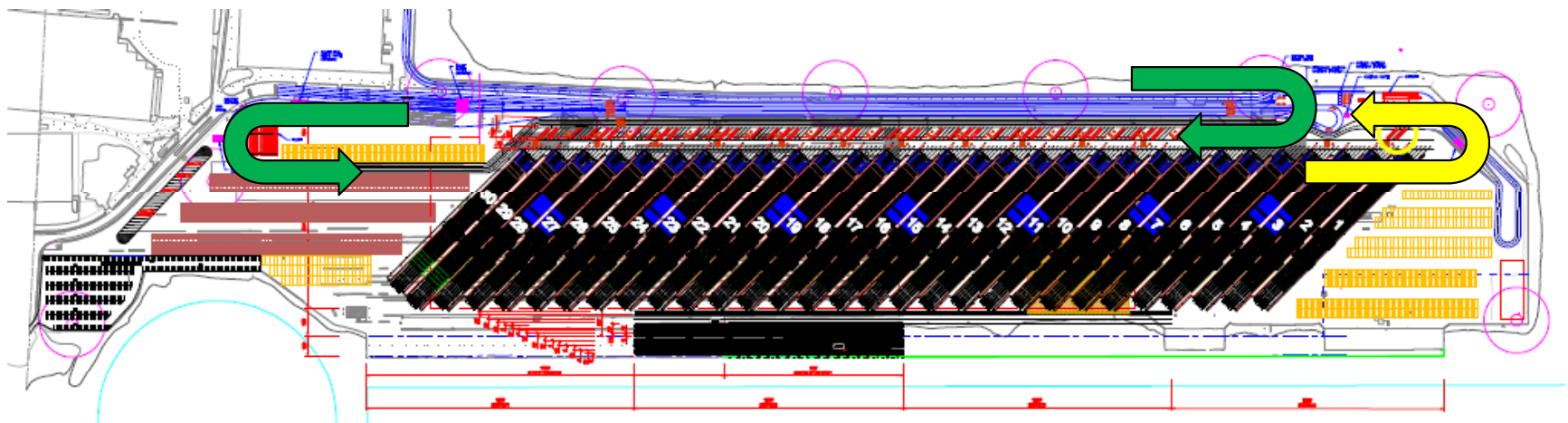
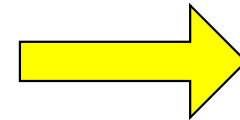
2010 – Final Refinements



In-Gate =



Out-Gate =



2010 – Final Refinements

30 Stacks x 9 Wide x 39 TEU long
= 10,530 GS

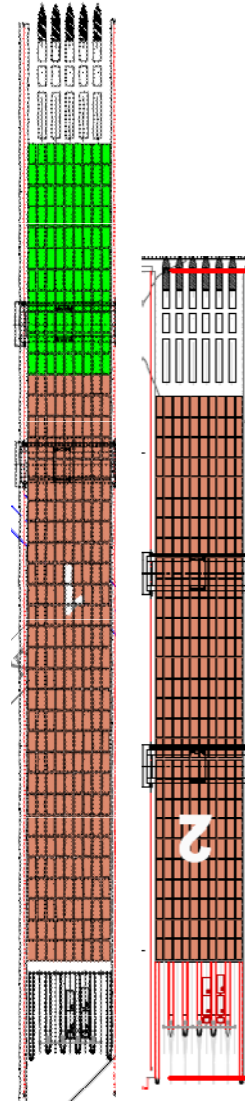
→ *+30% more container RMG storage capacity*

Land Area = 89 Acres

→ *+27% more terminal acreage*

RMG annual throughput
capacity = 1.95 M lifts

→ *+20% more RMG throughput capacity*



30 Stacks x 10 Wide x 27 TEU
long = 8,100 GS

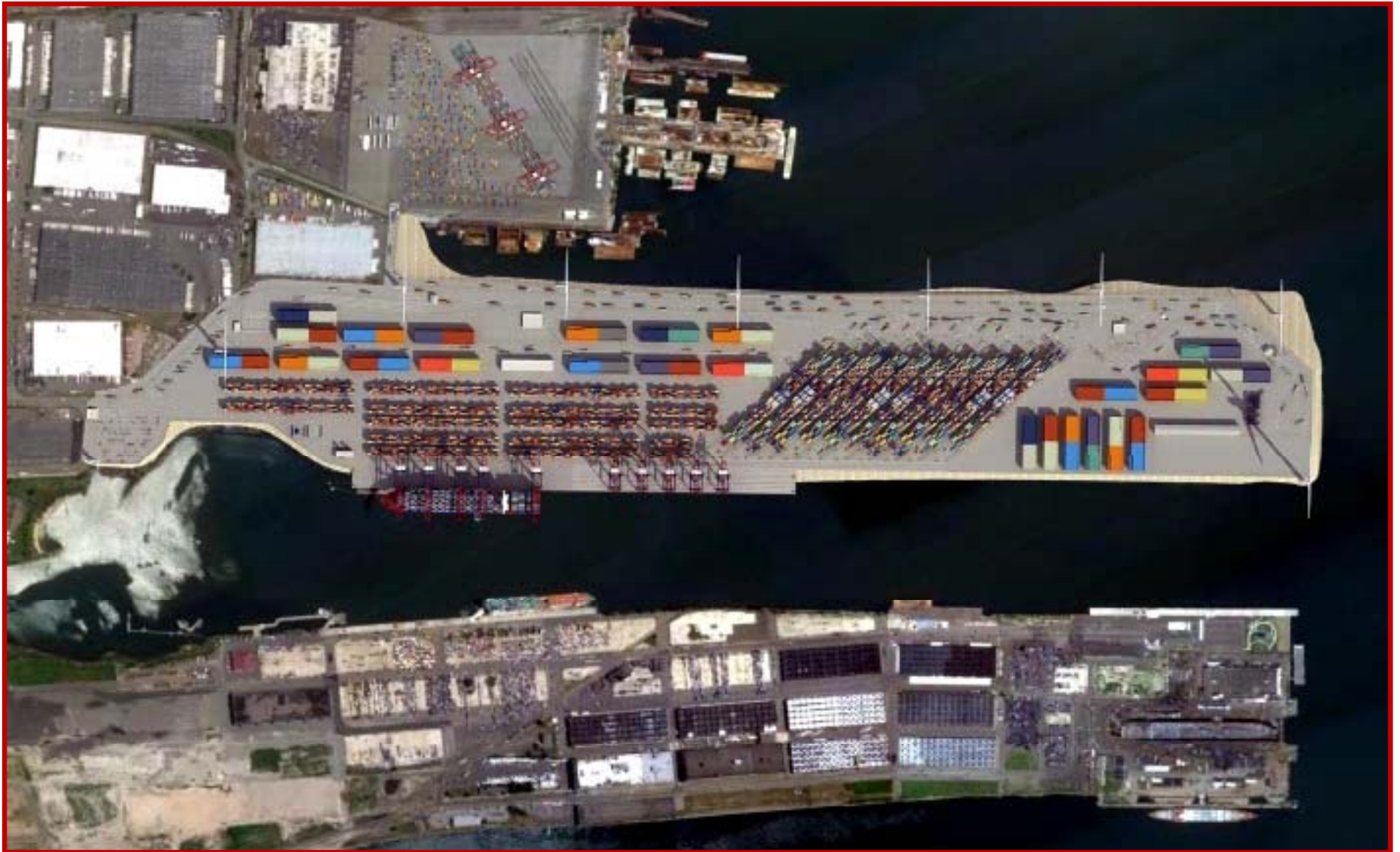
Land Area = 70 Acres

RMG annual throughput
capacity = 1.62 M lifts



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574 days to completion of the initial phase in 2014







**HISTORY IS LITTERED WITH
EXAMPLES OF THOSE
WHO FAILED TO ADAPT TO NEW OPERATING
ENVIRONMENTS.**



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Thank You