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Clean Closure of the NTC Landfill
San Diego, CA

CIWMB LEA 12th Annual

Technical Training Series

Richard Gilb

SDCRAA

October 20, 2009

Agenda

- Incredibly Brief History of the NTC Landfill and the San Diego County Regional Airport Authority (SDCRAA)
- Planning, Approvals, Execution
- Issues and Numbers
- Lessons Learned

History of NTC Landfill

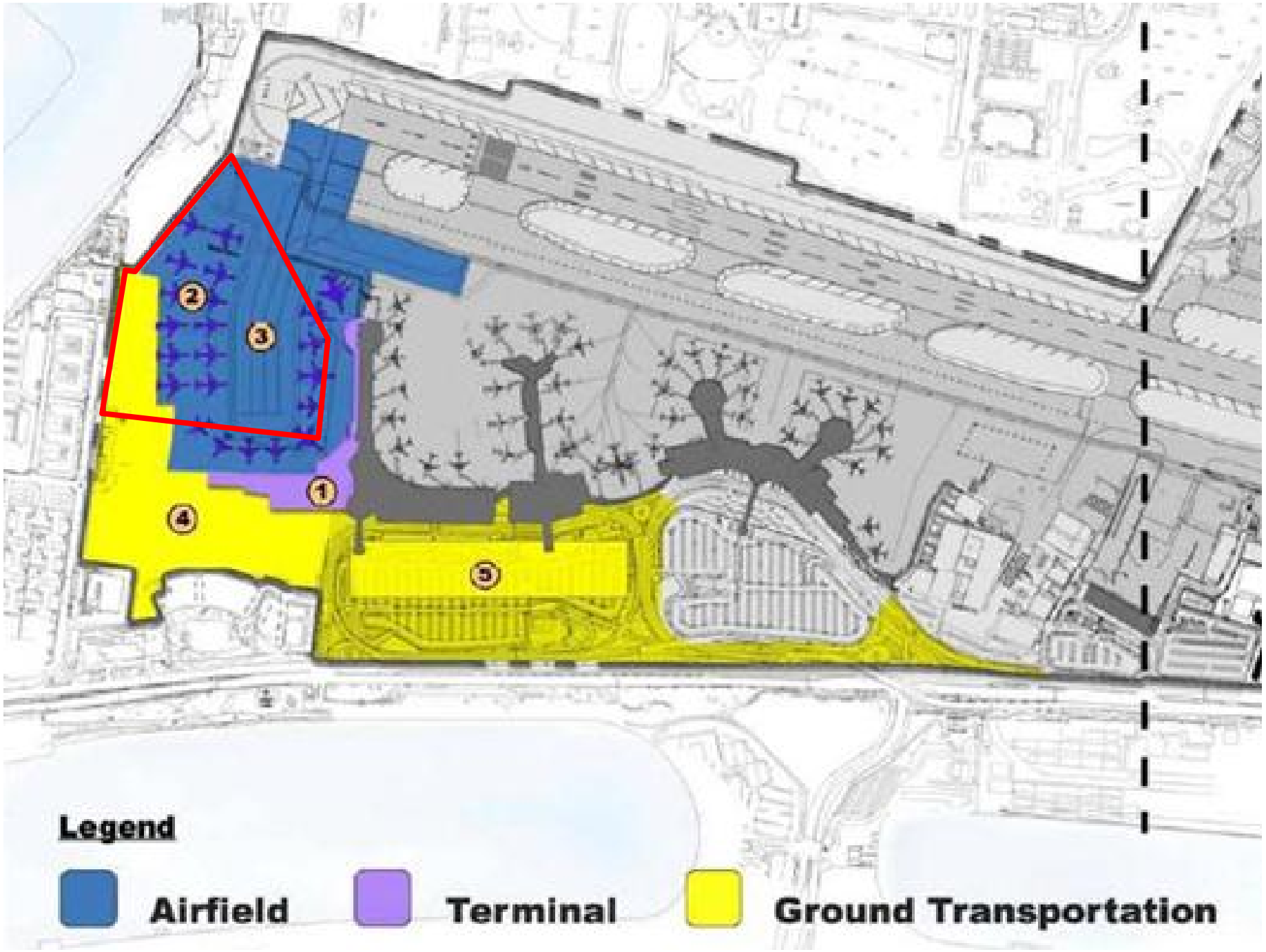
- NTC Landfill – 32-acre site at what was once Naval Training Center, San Diego. Landfill located in what was once an inter-tidal marsh area.
- Operated by the Marines and Navy from 1950 to 1971.
- Training Center waste generally consisted of ordinary MSW.
  Anecdotal information suggested 20,000 gallons liquid Haz Waste disposed.
- Random disposal methods, including burning trash, evolved into “trench & fill.”
- Nearly 15 years of study – Navy CLEAN / SWAT / BRAC / Remediation Planning
- Waste Quantities – in place estimates as of 2007:

  120,000 cy of MSW
  25,000 cy of Burn Ash

0 1,250 2,500 5,000 Feet

History of SDCRAA

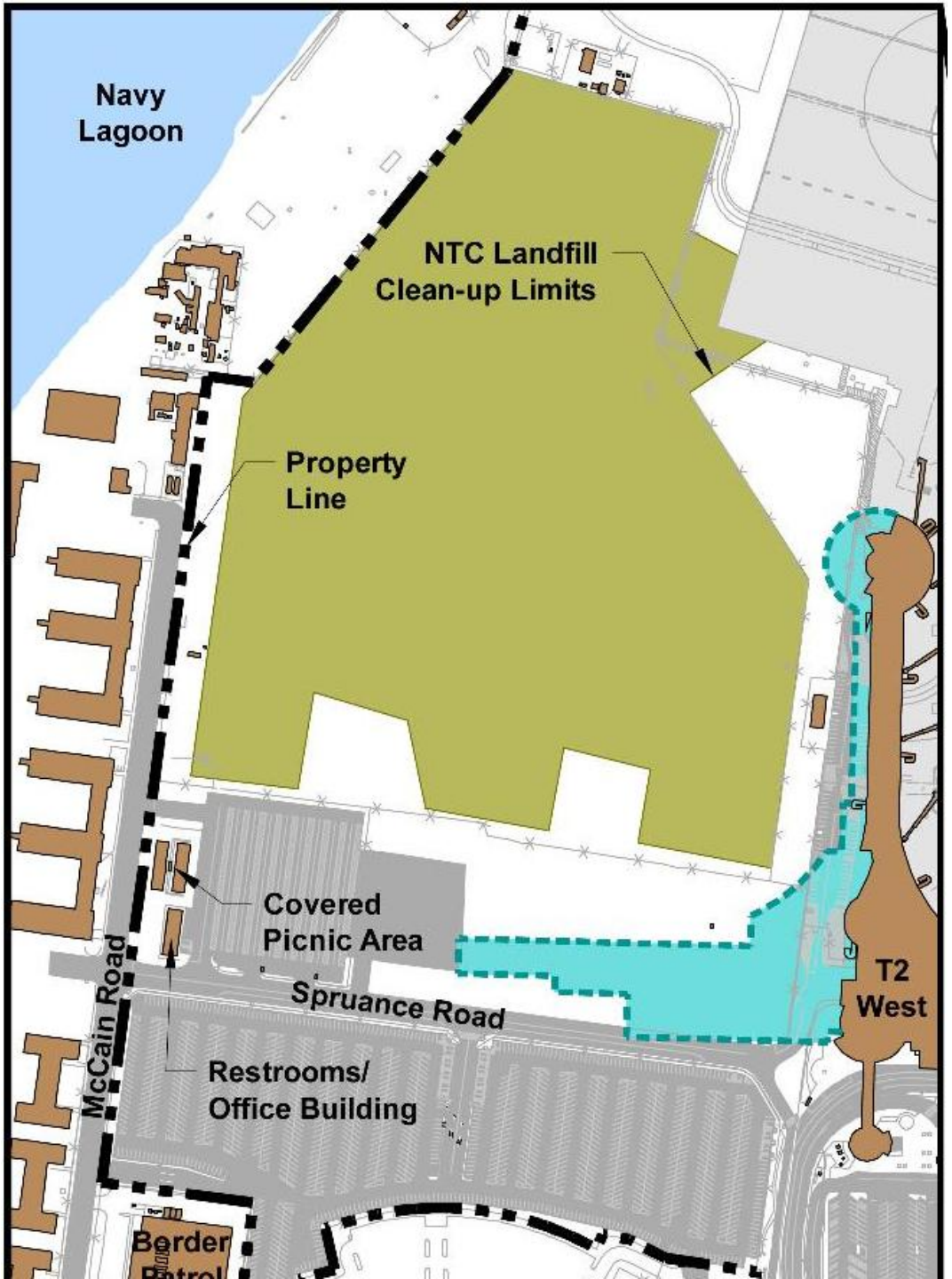
- San Diego County Regional Airport Authority (SDCRAA) was created by State Legislature in 2001 and assumed ownership and operation of San Diego International Airport on Jan. 1, 2003.
- NTC Landfill came with the ownership transfer, because Airport/Airline $$$$ had been used to remove endangered species habitat designation from the site.
- Early master planning suggested that NTC Landfill site might be converted to airport uses. Staff began planning landfill remediation options in 2005. Excavation and bridging were considered. First met with LEA/RWQCB in 2006.
- Adopted an Airport Master Plan in 2008, after 5 years of study and analysis. Master Plan proposes 30 acres of airport tarmac on the NTC Landfill Site.


2
3
1
4
5
Legend
Airfield
Terminal
Ground Transportation

Planning, Approvals, Execution

- Regulatory landscape – RWQCB General WDRs; LEA Closed Site.
- Plans, timing, phasing – some things are going to happen anyway.
- NTC Landfill Closure Plan – March 1, 2007, revised Oct. 19, 2007.
- CEQA and Community Interest.
- Contracting and contractors – Work contracted in two major phases. Two different (unknown to us) contractors selected for each phase.
- Project management – Essentially in-house, flat-work construction staff.

EMAS
FORMER PLAYING COURT


Navy
Lagoon
NTC Landfill
Clean-up Limits
Property
Line
Covered
Picnic Area
Spruance Road
McCain Road
Restrooms/
Office Building
T2
West
Border

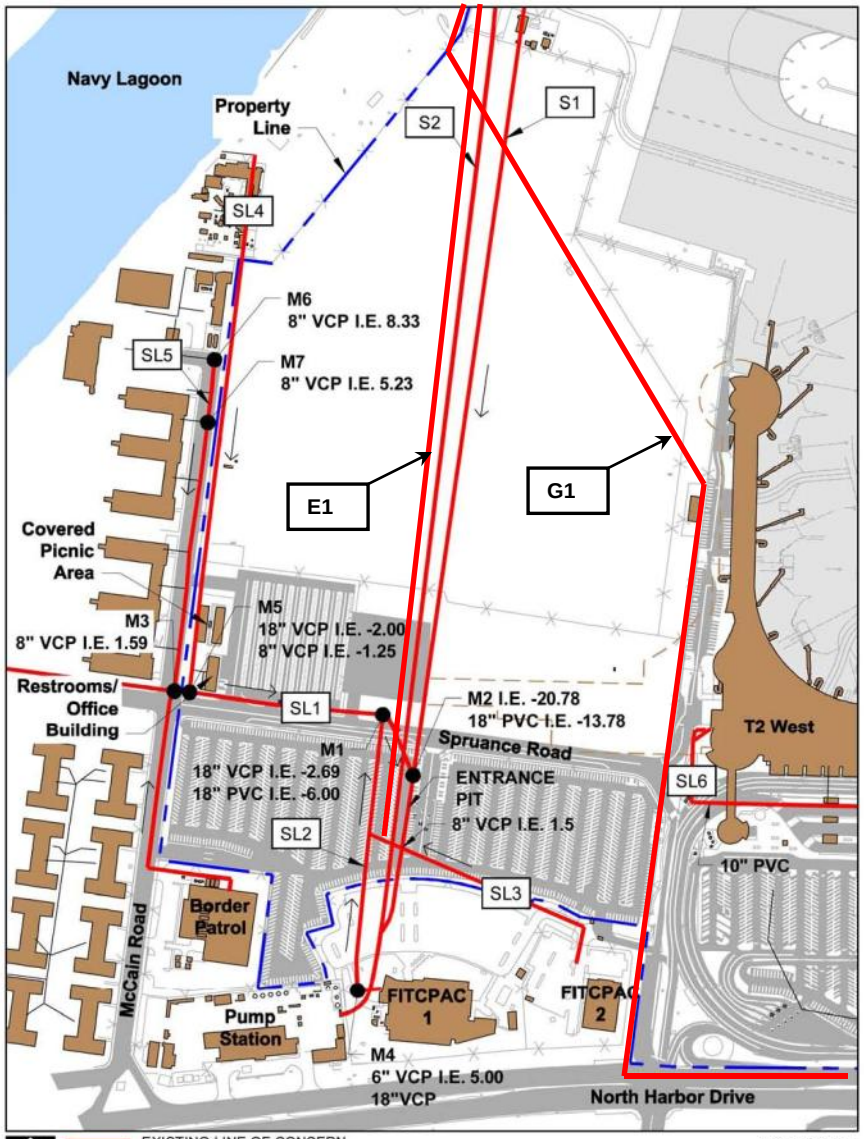
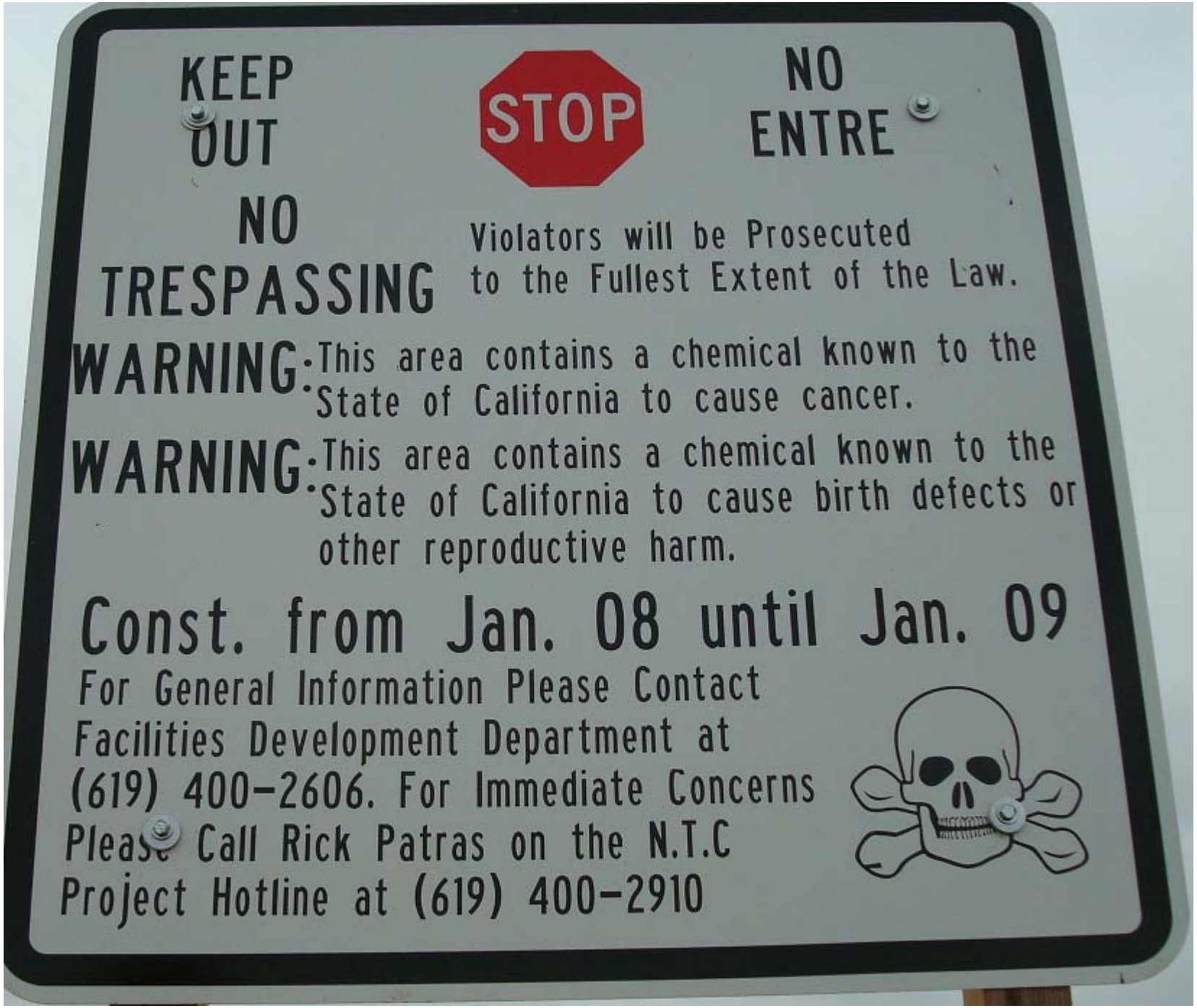


Figure 4.4-1
Sanitary Sewer – Existing Plan

3
4
2
FORMER
PLAYING
COURT


KEEP OUT
STOP
NO ENTRE
NO TRESPASSING
Violators will be Prosecuted to the Fullest Extent of the Law.
WARNING: This area contains a chemical known to the State of California to cause cancer.
WARNING: This area contains a chemical known to the State of California to cause birth defects or other reproductive harm.
Const. from Jan. 08 until Jan. 09
For General Information Please Contact Facilities Development Department at (619) 400-2606. For Immediate Concerns Please Call Rick Patras on the N.T.C Project Hotline at (619) 400-2910

Link-Belt
800LX
Link-Belt

Link-Belt

SDCRAA

LEA Inspections

Issues and Incidents

09/08/2008

NBC
SIGNAL AHEAD
Downtown
PETCO Park
LEFT LANE
ROAD WORK AHEAD
END FREEWAY 1/4 MILE

10/08/2008

10NEWS.com

The Numbers

- Total Duration: 18 months
- Total number of In-house Project Staff: 12 crucial, 20 total
- Total Number of Trucks Leaving the Site: 11,000
- Average Number of Trucks Leaving the Site per Day: 40
- Maximum Number of Trucks Leaving the Site per Day: 100 per CEQA
- Total Number of Trucks Hauling CA-only Haz Waste Burn Ash to Arizona: 2,400

The Numbers

- Total Quantity of MSW Disposed: 134,000 tons
- Total Quantity of Non-Haz BA/Soil Disposed: 75,000 tons
- Total Quantity of CA-only Haz BA/Soil Disposed: 61,000 tons
- Total Quantity of RCRA Haz BA/Soil Disposed: 0 tons
- Total Quantity of Water Dewatered from the Site: 19,000,000 gal
- Rate of Dewatering Disposal initially Authorized: 50 gal per minute
- Rate of Dewatering Disposal Authorized later in Project: 1,000 gal per minute
- Dewatering Disposal required sampling for Suspended Solids only.

The Dollars

- Total Cost: $42 Million (including elements beyond LF Excavation)
- Initial Budget: $67 Million, including a 33% contingency
- Total Amount Paid to Excavation Contractors: $24 Million
- Total Amount Paid to Dispose of MSW: $1.6 Million
- Total Amount Paid to Dispose of Non-Haz Burn Ash/Soil: $2.3 Million
- Total Amount Paid to Dispose of CA-Haz Burn/Soil Ash: $2.6 Million
- Total Amount Paid for Dewatering Site to Sanitary Sewer: $1 million

Lessons Learned

- The Assumptions:
- The Gambles:
- The Hard Realities:
- What could have been:

Status and Outcomes

- Today: Submit a Closure Report to RWQCB and LEA by the end of November.
  - Report will request Clean Closure for the area of work, which represents the majority of the Site.
  - Report will include proposed monitoring programs for GW & LFG.
- Tomorrow: Continue to remediate “off-site portions of the site” (which consists of areas of known Burn Ash) as part of Airport Expansion Plans.
- Tomorrow: Resolve issues related to Construction C&D in the southern portion of the Site.