



The Port of San Diego

A Port as a City

Malcolm Meikle – GIS Supervisor

Pet Peeves

- GIS System
- This is Malcolm, He's in charge of making our maps.
- The new business system is up and running... let's integrate with the GIS.

Port of San Diego

- Established in 1962
 - Tidelands Trust Doctrine
- Five member cities:
 - Chula Vista
 - Coronado
 - Imperial Beach
 - National City
 - San Diego
- Area Covered – 5998 Acres (2427 Hectares)
 - Land area - 2464 Acres (997 Hectares)
 - Water area - 3534 Acres (1430 Hectares)
- 550+ Employees
- Approximately private sector 23,627 jobs located on the tidelands

GIS Background

- Established in 1998
- Challenged with the organizing disparate tabular and spatial data in to a central repository from multiple departments.
- Acquired SDE in 2006
- Implemented web viewers in 2008
- Established a internal GIS portal in 2010 for a true enterprise experience

GIS Current State

- GIS serves six different departments directly
 - Environmental
 - Engineering
 - General Services
 - Harbor Police
 - Real Estate
 - Planning
- Currently one fulltime GIS staff member and six power users
- Standard viewers are a hybrid between Flex and Portal
- Custom Applications
- Indirect connection with other existing business systems.
- Geoevent Server

GIS Intro Page

One stop spatial shopping

San Diego Unified Port District - Geographic Information System

[Home](#) [Contact Us](#)

GIS Publications

Order the latest Tidelands Map Book or the Pier and Slip Diagrams.

[Click here to order](#)



2018 Tidelands Map Book

Additional Links

- SDUPD Geographic Information**
 - Land / Water Calculation
 - Geographic Definitions
- SDUPD Spatial Publications**
 - 2018 Pier and Slip Map Book (.pdf)
 - 2015 Port Master Plan (.pdf)
 - 2018 Tidelands Map Book (.pdf)
- GIS Application Help**
 - How to - GIS Widget Docs & Demos
- Other Regional Data Sources**
 - SD County Survey Record System
 - California State Lands Commission
 - NOAA - Current Tides and Conditions

Featured GIS Applications

LAST



SDUPD Property & Easement Locator
[View Tutorial](#) (22:59)



Locate Engineering Drawings
[View Tutorial](#) (20:26)



Design an Exhibit
[View Tutorial](#) (32:36)



Aerial Imagery - by year
[View Tutorial](#) (16:07)



Pier and Slip Locator
[View Tutorial](#) (07:16)

NEXT



Real Estate Asset Awareness

SDUPD Property Locator
SDUPD Geographic Information Systems

Locate Street Address: [GIS Application Help](#)

Search Parcels or Easements

Features Selected: 5 [Zoom](#) [Clear](#)

San Diego, City of (The)
Master Tenant Mail Address: 1200 Third Avenue, Ste 1700, San Diego, California
SAP Lease Out Number: 0003.0078.001
Parcel Number: 019-005
Jurisdiction: San Diego Unified Port District
Entitlement: Granted Tidelands
Contract Type: Operating contract
Usage Type: Convention Center
Occupancy: Third-party use
Active From: Sat May 31 2003 05:00:00 PM
Rental Start Date: Wed Sep 16 1998 05:00:00 PM
Rental End Date: Sun Apr 9 2028 05:00:00 PM
End Date: Sun Apr 9 2028 05:00:00 PM
Old Contract Reference: 173-17
Acres: 11.05703752
Master Planning District: CENTRE CITY EMBARCADERO

Ace Parking Management, Inc.
Master Tenant Mail Address: 645 Ash St, San Diego, California
SAP Lease Out Number:
Parcel Number: 019-046
Jurisdiction: San Diego Unified Port District
Entitlement: Granted Tidelands
Contract Type: Operating Agreement
Usage Type: Parking Garage
Occupancy: Third-party use

019-003 Pacific Gateway, Ltd.

019-005 Convention Ctr. Expansion Financing Authority City of (The)

019-017 Convention Ctr. Expansion Financing Authority City of (The)

019-062 San Diego Unified Port District

019-018 San Diego Unified Port District

019-064 Fifth Avenue Landing, LLC

019-044 One Park Blvd

500 ft

Data Layers

- Property and Street Labels
- Easements
- Dedicated Right-of-Way

Part of San Diego

Document Retrieval

The screenshot displays a GIS application interface for locating engineering drawings. The main map shows an aerial view of Harbor Drive with a red crosshair indicating a specific location. A search results panel on the left provides the following details for the selected drawing:

- DRAWING NUMBER: 87-D-1
- DRAWING TITLE: LANE FIELD - BALL PARK
- IO_WBS_NO: N/A
- FACILITY TYPE: Center City Embarcadero (General)
- INF. CATEGORIES: Facility Structures
- INF. SYSTEMS: Baseball/Softball Field
- PROJECT_SPECNO: N/A
- PLANNING DISTRICT: CENTER CITY/EMBARCADERO
- PROJECT MANAGER: N/A
- D2_NUMBER: 937116
- Jurisdiction: San Diego
- DRAWING STATUS:
- Issue Date: 01/00/1936

The right side of the interface includes a 'Feature Layer List' with the following visibility settings:

- Engineering Record Drawings:
- Post-1990:
- Pre-1900:
- All years:

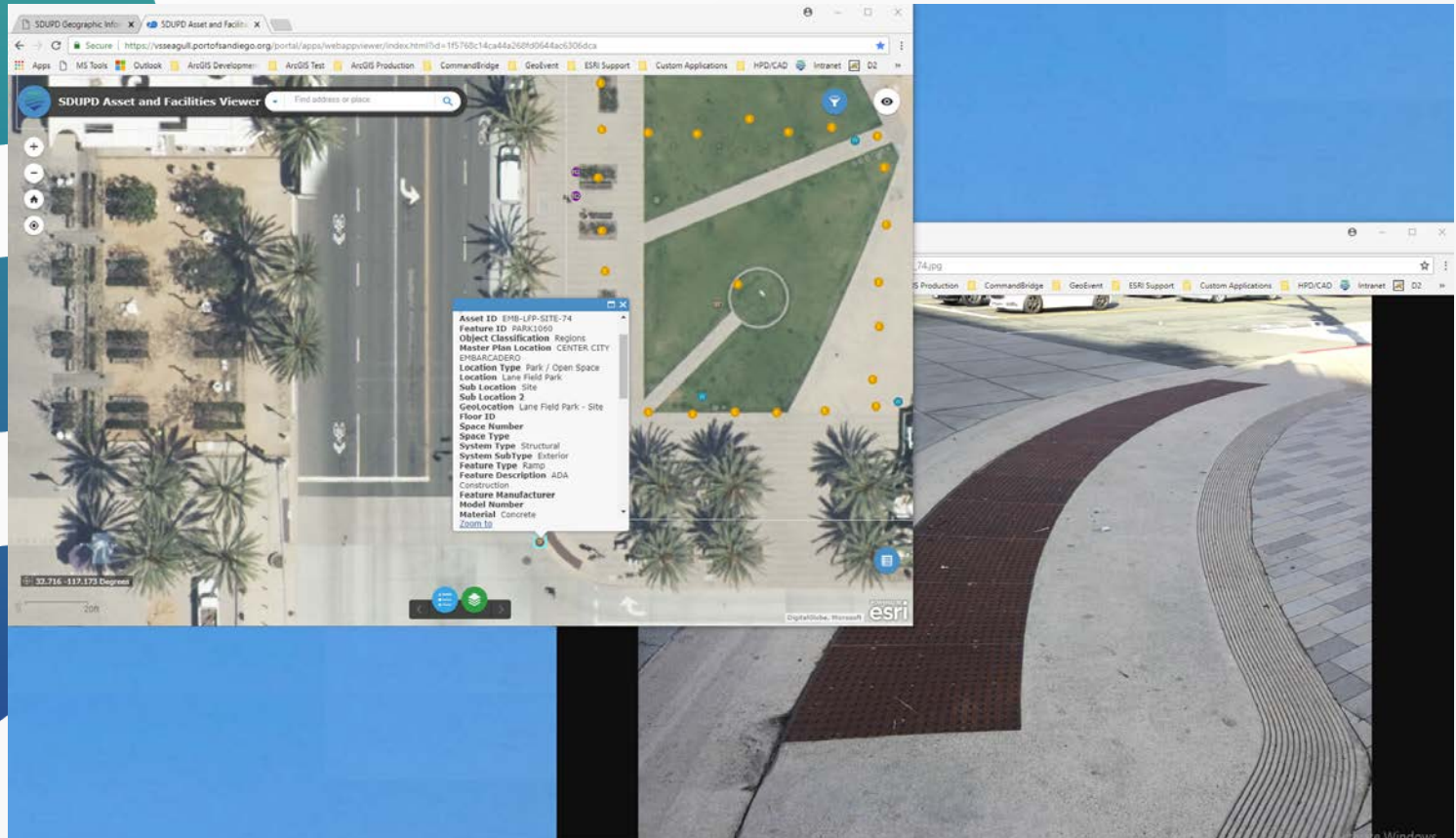
Overlaid on the map is a detailed architectural drawing titled '87-D-1.pdf'. The drawing shows a plan view of bleachers and associated facilities. Key features include:

- BLEACHERS 1980 CAPACITY
- ENTRANCE
- HARBOR STREET
- BROADWAY
- HARBOR DRIVE
- Various structural and utility annotations.

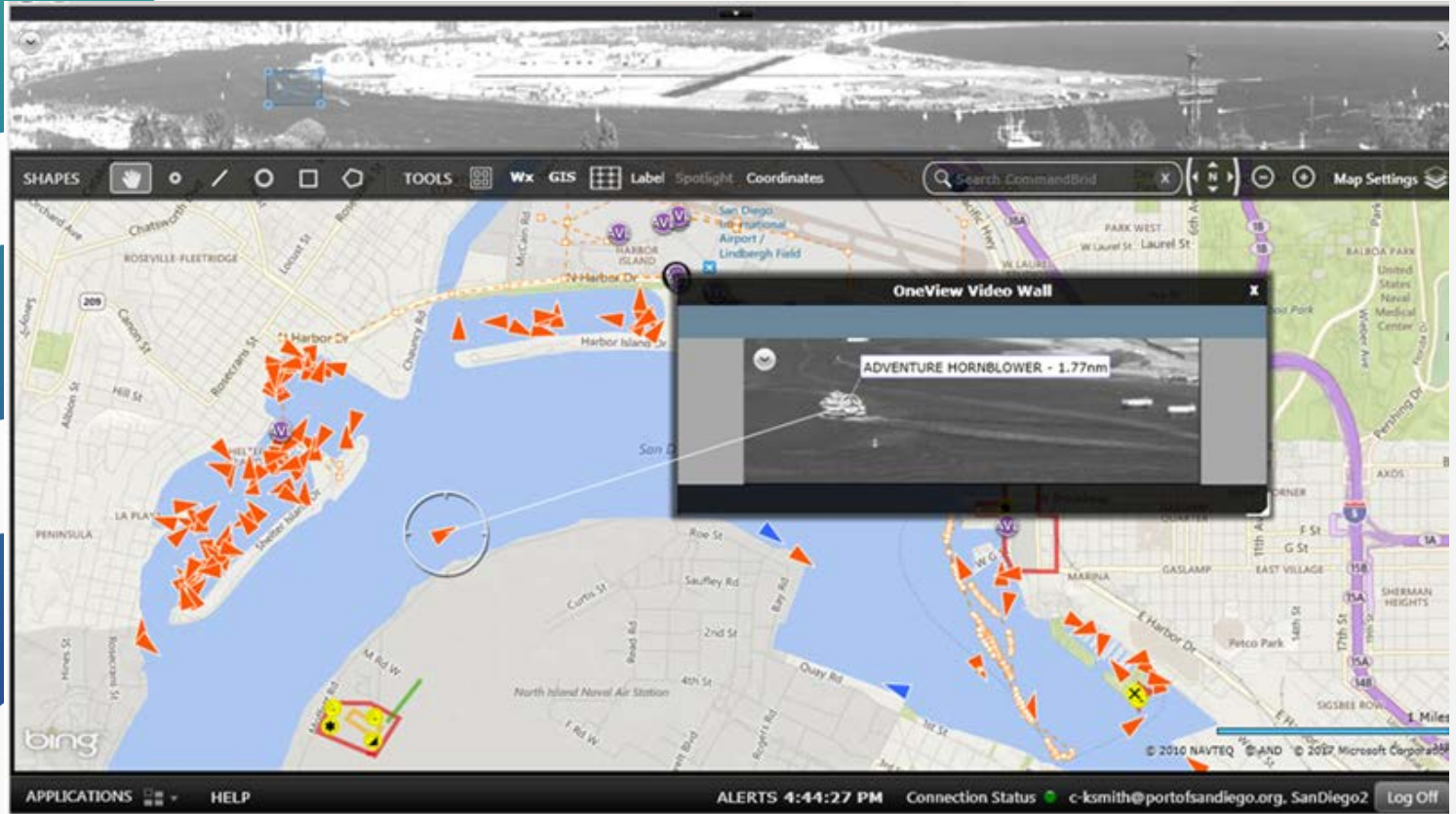
The drawing also includes a title block with the following information:

SHEET	CITY OF SAN DIEGO	SHEETS
	HARBOR DEPARTMENT	
GRAND STAND, BLEACHERS AND FACILITIES		
APPROVED	PORT DIRECTOR	DATE: JAN 31, 1987
DRAWN BY: CAK	CHANGED	SCALE: 1" = 30'
TRACED BY:		DRAWING NO.: 87-D-1

Asset and Facilities



Port Security





Lessons learned and observations

- The Port is not an island nor is each discipline within the Port
- Department specific data is not always a singular need
- The truth is out there – external resources
- Guidance of expectations
- Be at the front of the line

The Road Ahead

- 10.6 implementation
- Move remaining Flex applications to Portal.
- External web site
- Full SAP integration
- Field applications
- ArcGIS Pro

Thank you



**Special Achievement in GIS
2018 Award Winner**

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