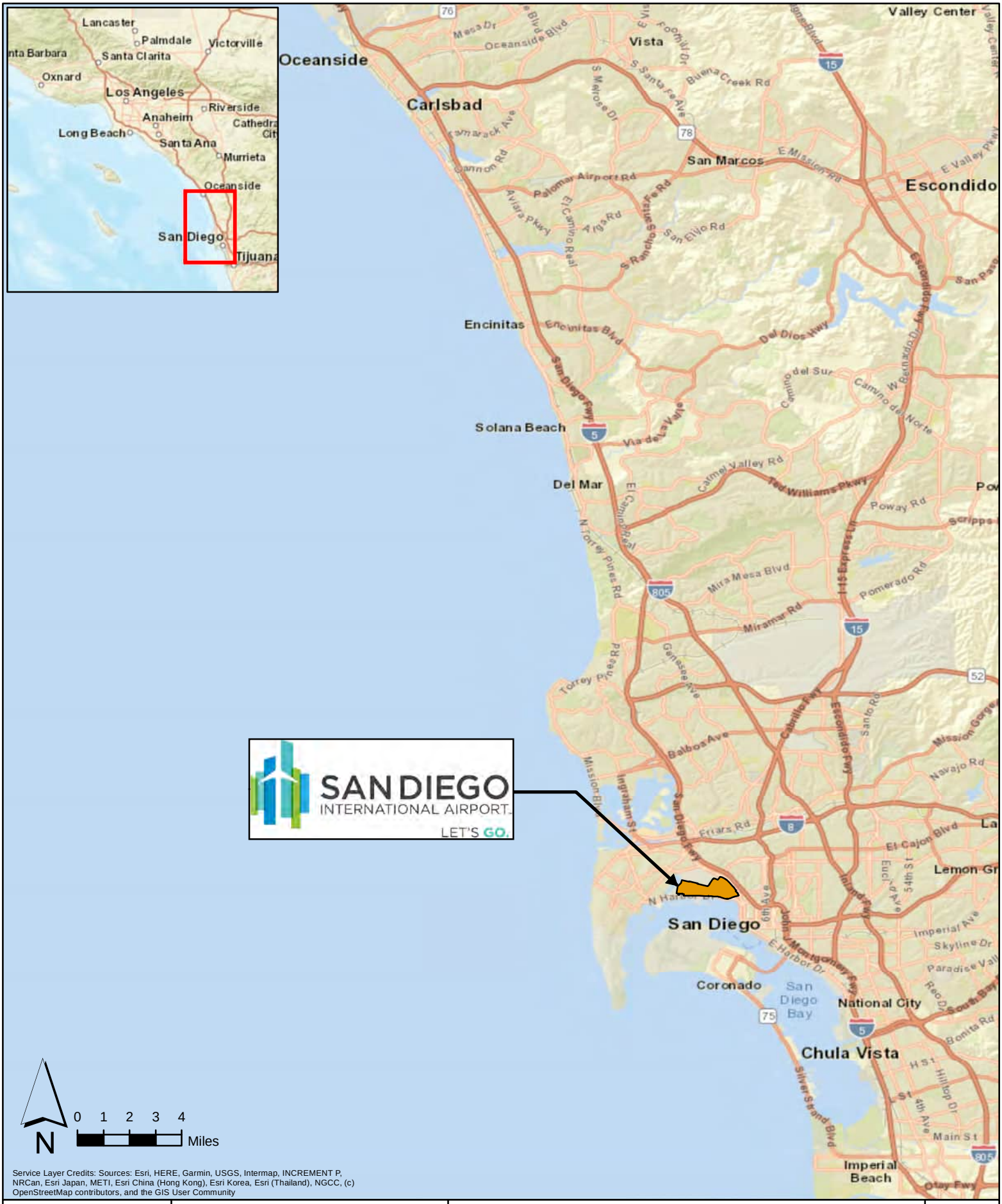
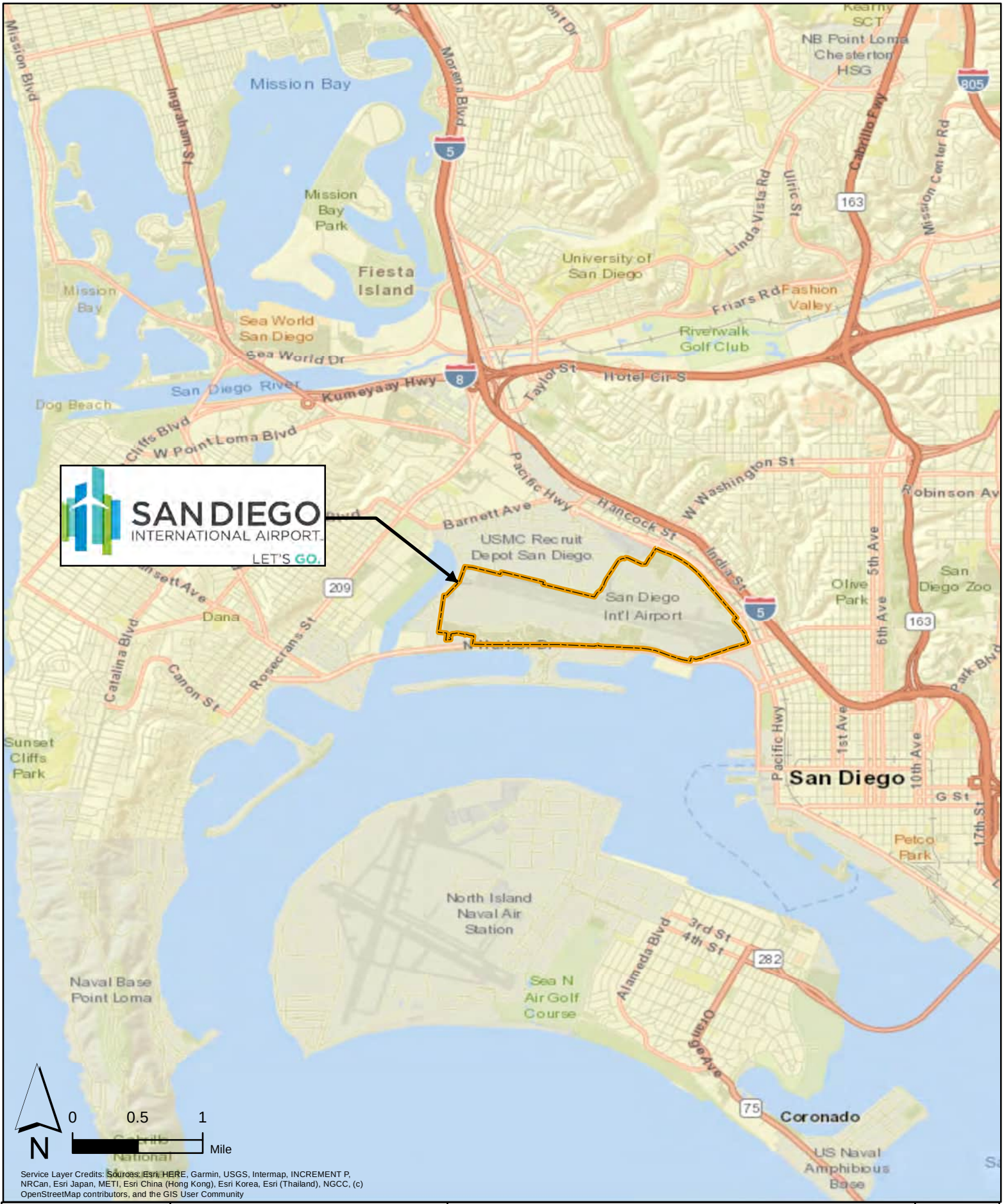
FIGURES

Intentionally Left Blank



Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

SAN Stormwater Management Plan **September 2023**	wsp	**Regional Location Map** **San Diego International Airport**	FIGURE **1**



Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

SAN Stormwater Management Plan **September 2023**	wsp	**General Vicinity Map** **San Diego International Airport**	FIGURE 2

Notes:

1. Areas impacted by storm water run-on from surrounding areas include the eastern portion of Drainage Basin (DB) 1 and the northern portions of DB 5, 6, and 13.
2. Most storage areas are under cover, apart from the boneyard area and some equipment storage areas outside some maintenance shops in DB 5A.
3. All areas are paved apart from the erodible areas, the Least Tern ovals, and the landscaped areas in the parking lots.
4. Shipping and receiving areas are located at Bradford's facility (DB 6) and the Airline Support Building (DB 5A).
5. Equipment maintenance/storage areas are mainly inside, and at the Airline Support Building in DB 5A. Minor maintenance is also performed in ramp areas.
6. There was one significant spill incident on 8/19/2022 where a fuel truck tipped over near Gate 5 and spilled 1,400 gallons onto the ramp and into a storm drain inlet. Spill contained and fuel removed.
7. Storm drain inlets are shown on map attached to SC01 in Appendix B.

Sample Locations
Inlet
Outfall
Stormwater Pipe
Trench Drain
Direction of Surface Flow
Permeable Strip

Aircraft Lavatory Disposal
Composting
Dumpster
Fuel Storage
Fueling

Grease Trap
Industrial Waste
Loading
Material Storage
Metal Storage

Oil Storage
Portable Toilet
Recycling
Underground Storage Tank
Wash Area

Artificial Turf
Erodible Area
Least Tern Nesting Area
Pervious Pavement
Building/Other Roofed Structures
Drainage Basin and Number
Airport Boundary
Off-Airport Leased Parcels

A Inlet Filter
B Permeable Surface
C OldCastle FloGuard Trench Drain Filter
D Bio Clean Grate Inlet Skimmer Box
E Bio Clean Curb Inlet Skimmer Box
F Infiltration Trench
G Contech StormFilter
H Contech CDS
I ClearWater Solutions BMP Unit
J BioClean Modular Wetland System
K Detention Basin
L Bioswale
M Artificial Turf Infiltration
N AquaShield HDS
O Highland Tank Oil Water Separator
P Pervious Gravel
Q Bioretention Basin
R Subsurface Infiltration Basin below Permeable Surface
S Cleanway Curb Inlet Box
U OldCastle/Kristar Perkfilter Unit
V Contech Jellyfish Unit
W CleanWay MetalZorb
X BioClean Water Polisher
Z Revel Environmental Manufacturing (REM) Inlet Filter
AA Cistern
AB HFF Oil Stop Valve
AC Activated Alumina Filter Bags
AD Containment Basin
AE Underground Infiltration Basin

PROJECT NO.:	5025-22-2002
DATE:	SEPTEMBER 2023
DRAWN BY:	PM
CHECKED BY:	AA/NP

N

0 250 500 1,000 1,500 2,000
Feet

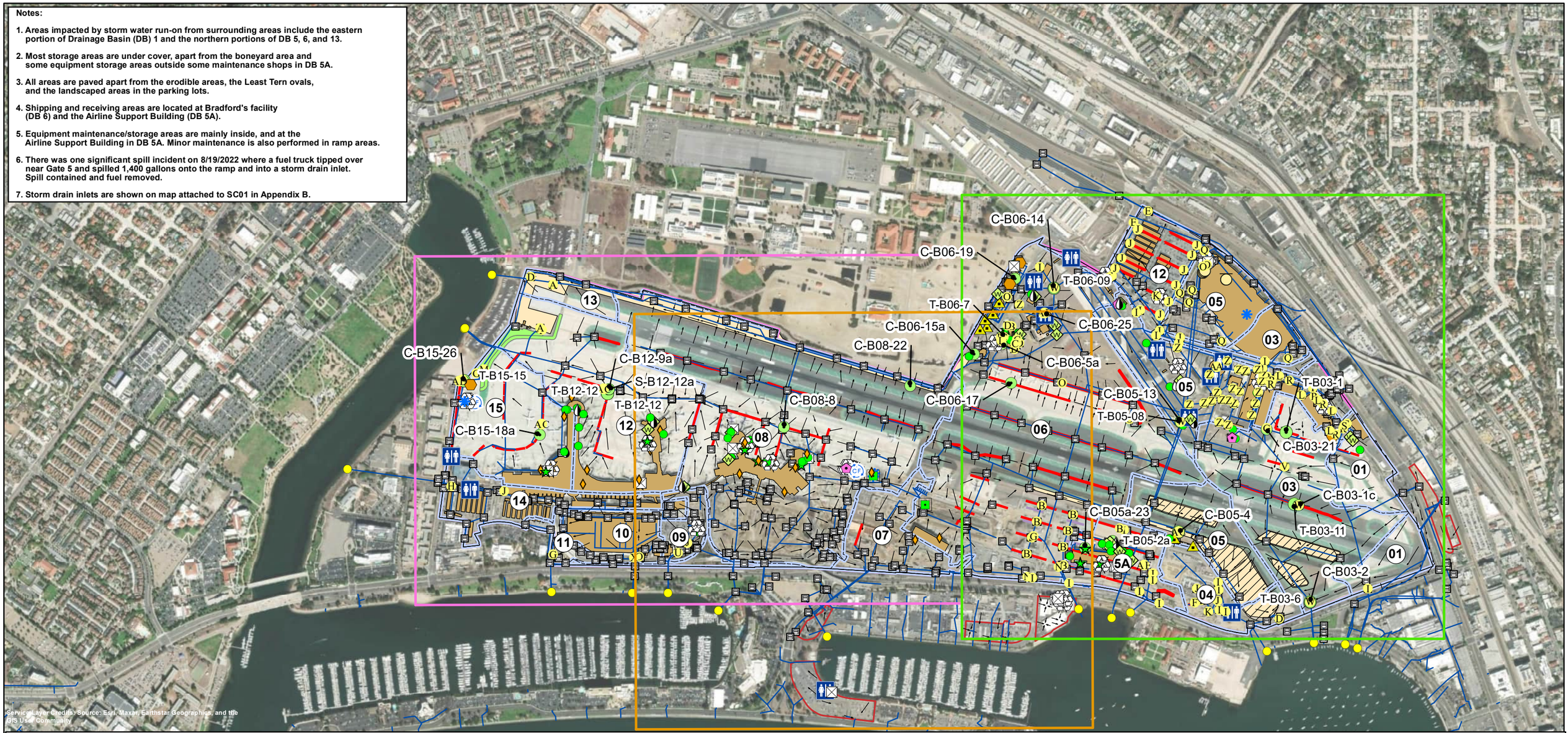
SAN DIEGO INTERNATIONAL AIRPORT
San Diego, California

STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT

FIGURE 3

Notes:

1. Areas impacted by storm water run-on from surrounding areas include the eastern portion of Drainage Basin (DB) 1 and the northern portions of DB 5, 6, and 13.
2. Most storage areas are under cover, apart from the boneyard area and some equipment storage areas outside some maintenance shops in DB 5A.
3. All areas are paved apart from the erodible areas, the Least Tern ovals, and the landscaped areas in the parking lots.
4. Shipping and receiving areas are located at Bradford's facility (DB 6) and the Airline Support Building (DB 5A).
5. Equipment maintenance/storage areas are mainly inside, and at the Airline Support Building in DB 5A. Minor maintenance is also performed in ramp areas.
6. There was one significant spill incident on 8/19/2022 where a fuel truck tipped over near Gate 5 and spilled 1,400 gallons onto the ramp and into a storm drain inlet. Spill contained and fuel removed.
7. Storm drain inlets are shown on map attached to SC01 in Appendix B.



- Sample Locations
- Inlet
- Outfall
- Stormwater Pipe
- Trench Drain
- Direction of Surface Flow
- Permeable Strip
- Aircraft Lavatory Disposal
- Composting
- Dumpster
- Fuel Storage
- Fueling
- Grease Trap
- Industrial Waste
- Loading
- Material Storage
- Metal Storage
- Oil Storage
- Portable Toilet
- Recycling
- Underground Storage Tank
- Wash Area
- Artificial Turf
- Erodible Area
- Least Tern Nesting Area
- Pervious Pavement
- Building/Other Roofed Structures
- Drainage Basin and Number
- Airport Boundary
- Off-Airport Leased Parcels

- A Inlet Filter
- B Permeable Surface
- C OldCastle FloGuard Trench Drain Filter
- D Bio Clean Grate Inlet Skimmer Box
- E Bio Clean Curb Inlet Skimmer Box
- F Infiltration Trench
- G Contech StormFilter
- H Contech CDS
- I ClearWater Solutions BMP Unit
- J BioClean Modular Wetland System
- K Detention Basin
- L Bioswale
- M Artificial Turf Infiltration
- N AquaShield HDS
- O Highland Tank Oil Water Separator
- P Pervious Gravel
- Q Bioretention Basin
- R Subsurface Infiltration Basin below Permeable Surface
- S Cleanway Curb Inlet Box
- U OldCastle/Kristar Perkfilter Unit
- V Contech Jellyfish Unit
- W CleanWay MetalZorb
- X BioClean Water Polisher
- Z Revel Environmental Manufacturing (REM) Inlet Filter
- AA Cistern
- AB HFF Oil Stop Valve
- AC Activated Alumina Filter Bags
- AD Containment Basin
- AE Underground Infiltration Basin

PROJECT NO.:	5025-22-2002
DATE:	SEPTEMBER 2023
DRAWN BY:	PM
CHECKED BY:	AA/NP

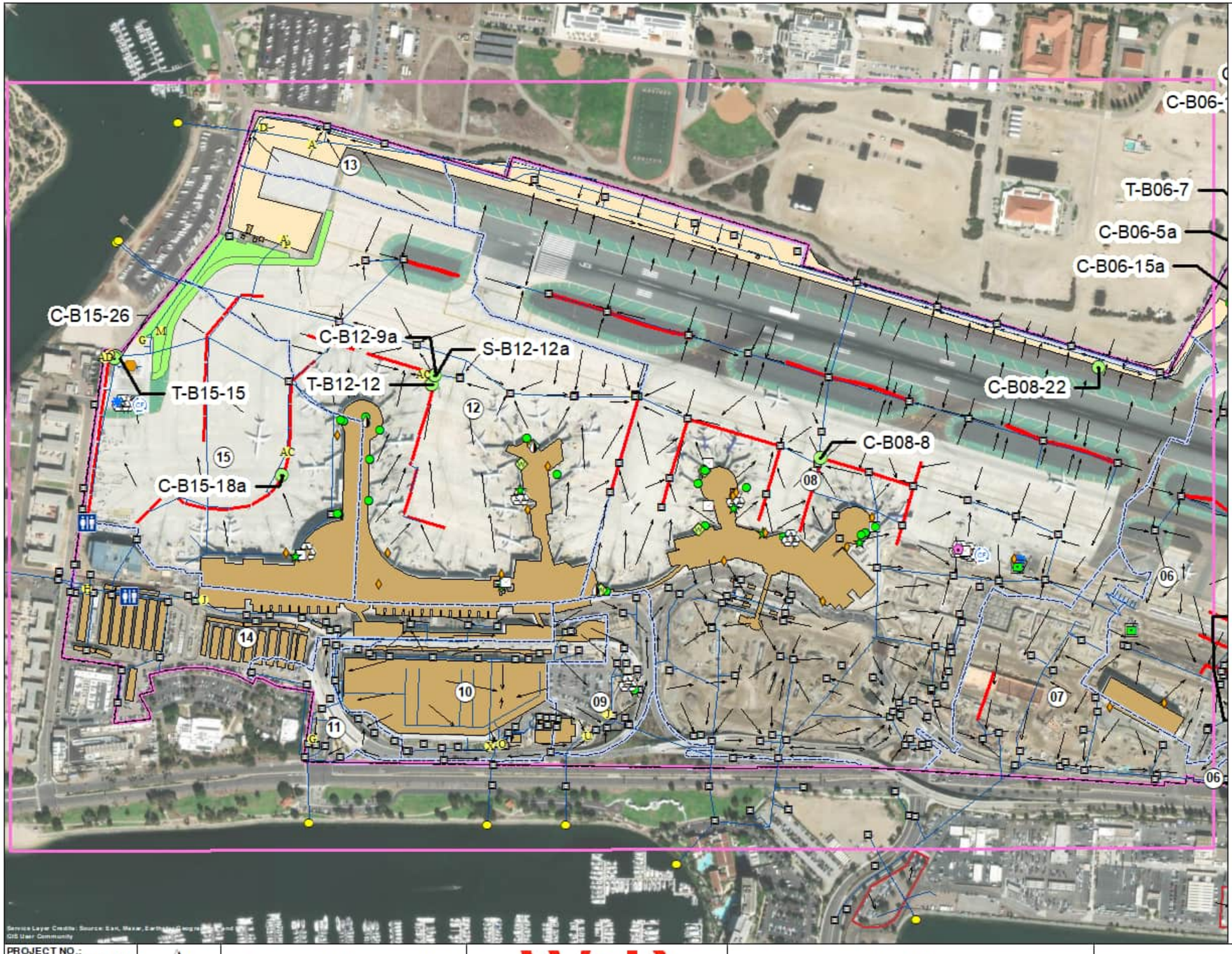
N

0 250 500 1,000 1,500 2,000
Feet

SAN DIEGO INTERNATIONAL AIRPORT
San Diego, California

STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT

FIGURE
4



Legend

- Inlet
- Outfall
- Stormwater Pipe
- Trench Drain
- Direction of Surface Flow
- Permeable Strip
- Aircraft Lavatory Disposal
- Composting
- Dumpster
- Fuel Storage
- Fueling
- Grease Trap
- Industrial Waste
- Loading
- Material Storage
- Metal Storage
- Oil Storage
- Portable Toilet
- Recycling
- Underground Storage Tank
- Wash Area
- Artificial Turf
- Erodible Area
- Least Tern Nesting Area
- Pervious Pavement
- Building/Other Roofed Structures
- Drainage Basin and Number
- Airport Boundary
- Off-Airport Leased Parcels

- A Inlet Filter
- B Permeable Surface
- C OldCastle FloGuard Trench Drain Filter
- D Bio Clean Grate Inlet Skimmer Box
- E Bio Clean Curb Inlet Skimmer Box
- F Infiltration Trench
- G Contech StormFilter
- H Contech CDS
- I ClearWater Solutions BMP Unit
- J BioClean Modular Wetland System
- K Detention Basin
- L Bioswale
- M Artificial Turf Infiltration
- N AquaShield HDS
- O Highland Tank Oil Water Separator
- P Pervious Gravel
- Q Bioretention Basin
- R Subsurface Infiltration Basin below Permeable Surface
- S Cleanway Curb Inlet Box
- U OldCastle/Kristar Perkfilter Unit
- V Contech Jellyfish Unit
- W CleanWay MetalZorb
- X BioClean Water Polisher
- Z Revel Environmental Manufacturing (REM) Inlet Filter
- AA Cistern
- AB HFF Oil Stop Valve
- AC Activated Alumina Filter Bags
- AD Containment Basin
- AE Underground Infiltration Basin

PROJECT NO.:	5025-22-2002
DATE:	SEPTEMBER 2023
DRAWN BY:	PM
CHECKED BY:	AA/NP

N

0 250 500 1,000

Feet

SAN DIEGO INTERNATIONAL AIRPORT

San Diego, California

STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT

FIGURE 5

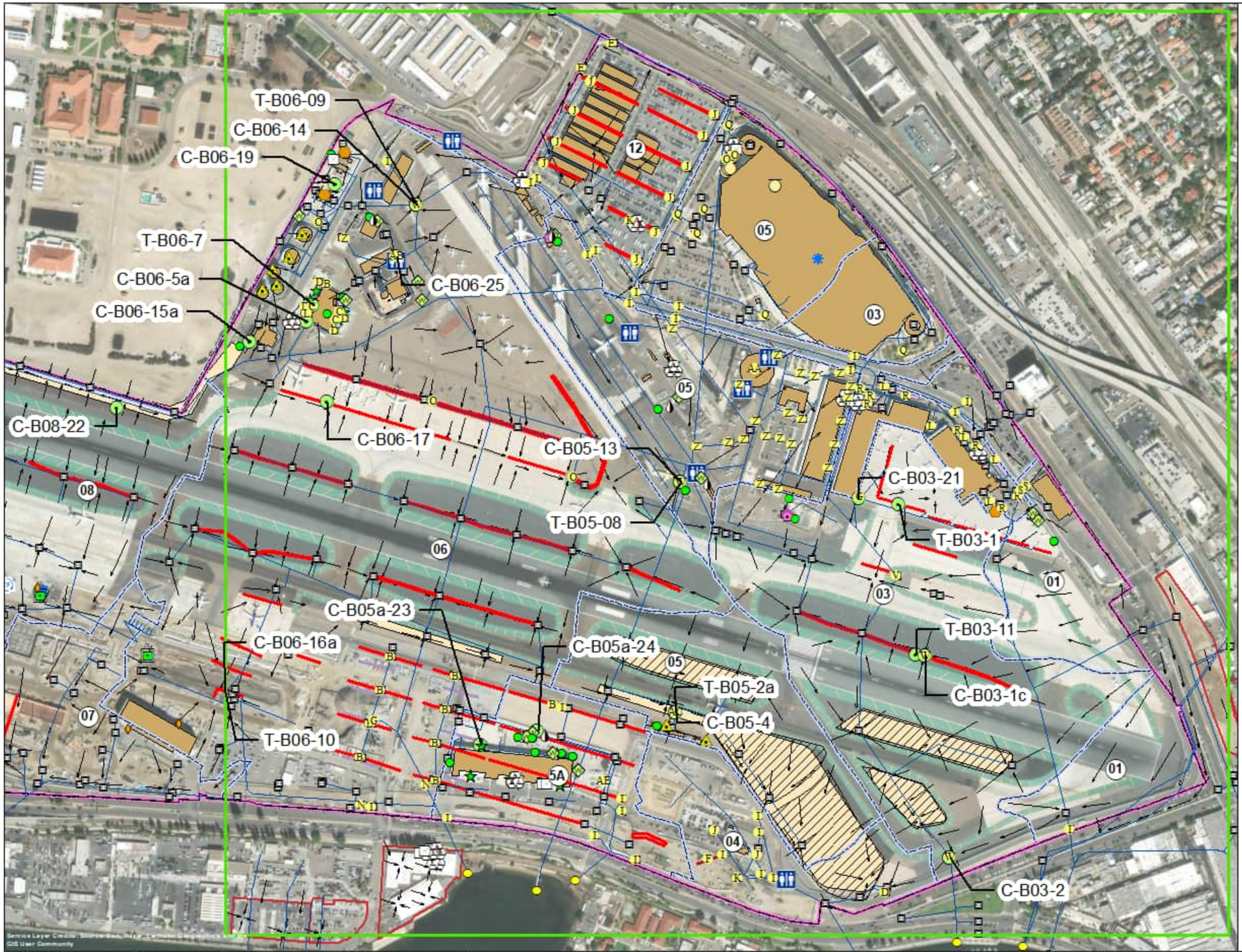
Legend

- Inlet
- Outfall
- Stormwater Pipe
- Trench Drain
- Direction of Surface Flow
- Permeable Strip
- Aircraft Lavatory Disposal
- Composting
- Dumpster
- Fuel Storage
- Fueling
- Grease Trap
- Industrial Waste
- Loading
- Material Storage
- Metal Storage
- Oil Storage
- Portable Toilet
- Recycling
- Underground Storage Tank
- Wash Area
- Artificial Turf
- Erodible Area
- Least Tern Nesting Area
- Pervious Pavement
- Building/Other Roofed Structures
- Drainage Basin and Number
- Airport Boundary
- Off-Airport Leased Parcels

- A Inlet Filter
- B Permeable Surface
- C OldCastle FloGuard Trench Drain Filter
- D Bio Clean Grate Inlet Skimmer Box
- E Bio Clean Curb Inlet Skimmer Box
- F Infiltration Trench
- G Contech StormFilter
- H Contech CDS
- I ClearWater Solutions BMP Unit
- J BioClean Modular Wetland System
- K Detention Basin
- L Bioswale
- M Artificial Turf Infiltration
- N AquaShield HDS
- O Highland Tank Oil Water Separator
- P Pervious Gravel
- Q Bioretention Basin
- R Subsurface Infiltration Basin below Permeable Surface
- S Cleanway Curb Inlet Box
- U OldCastle/Kristar Perkfilter Unit
- V Contech Jellyfish Unit
- W CleanWay MetalZorb
- X BioClean Water Polisher
- Z Revel Environmental Manufacturing (REM) Inlet Filter
- AA Cistern
- AB HFF Oil Stop Valve
- AC Activated Alumina Filter Bags
- AD Containment Basin
- AE Underground Infiltration Basin

Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

PROJECT NO.: 5025-22-2002 DATE: SEPTEMBER 2023 DRAWN BY: PM CHECKED BY: AA/NP	N	0 250 500 1,000 Feet	wsp	SAN DIEGO INTERNATIONAL AIRPORT San Diego, California	STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT	FIGURE 6



Legend

- Inlet
- Outfall
- Stormwater Pipe
- Trench Drain
- Direction of Surface Flow
- Permeable Strip
- Aircraft Lavatory Disposal
- Composting
- Dumpster
- Fuel Storage
- Fueling
- Grease Trap
- Industrial Waste
- Loading
- Material Storage
- Metal Storage
- Oil Storage
- Portable Toilet
- Recycling
- Underground Storage Tank
- Wash Area
- Artificial Turf
- Erodible Area
- Least Tern Nesting Area
- Pervious Pavement
- Building/Other Roofed Structures
- Drainage Basin and Number
- Airport Boundary
- Off-Airport Leased Parcels

- A Inlet Filter
- B Permeable Surface
- C OldCastle FloGuard Trench Drain Filter
- D Bio Clean Grate Inlet Skimmer Box
- E Bio Clean Curb Inlet Skimmer Box
- F Infiltration Trench
- G Contech StormFilter
- H Contech CDS
- I ClearWater Solutions BMP Unit
- J BioClean Modular Wetland System
- K Detention Basin
- L Bioswale
- M Artificial Turf Infiltration
- N AquaShield HDS
- O Highland Tank Oil Water Separator
- P Pervious Gravel
- Q Bioretention Basin
- R Subsurface Infiltration Basin below Permeable Surface
- S Cleanway Curb Inlet Box
- U OldCastle/Kristar Perkfilter Unit
- V Contech Jellyfish Unit
- W CleanWay MetalZorb
- X BioClean Water Polisher
- Z Revel Environmental Manufacturing (REM) Inlet Filter
- AA Cistern
- AB HFF Oil Stop Valve
- AC Activated Alumina Filter Bags
- AD Containment Basin
- AE Underground Infiltration Basin

PROJECT NO.: 5025-22-2002 DATE: SEPTEMBER 2023 DRAWN BY: PM CHECKED BY: AA/NP	N	0 250 500 1,000 Feet	wsp	SAN DIEGO INTERNATIONAL AIRPORT San Diego, California	STORM WATER MANAGEMENT PLAN AT SAN DIEGO INTERNATIONAL AIRPORT	FIGURE 7