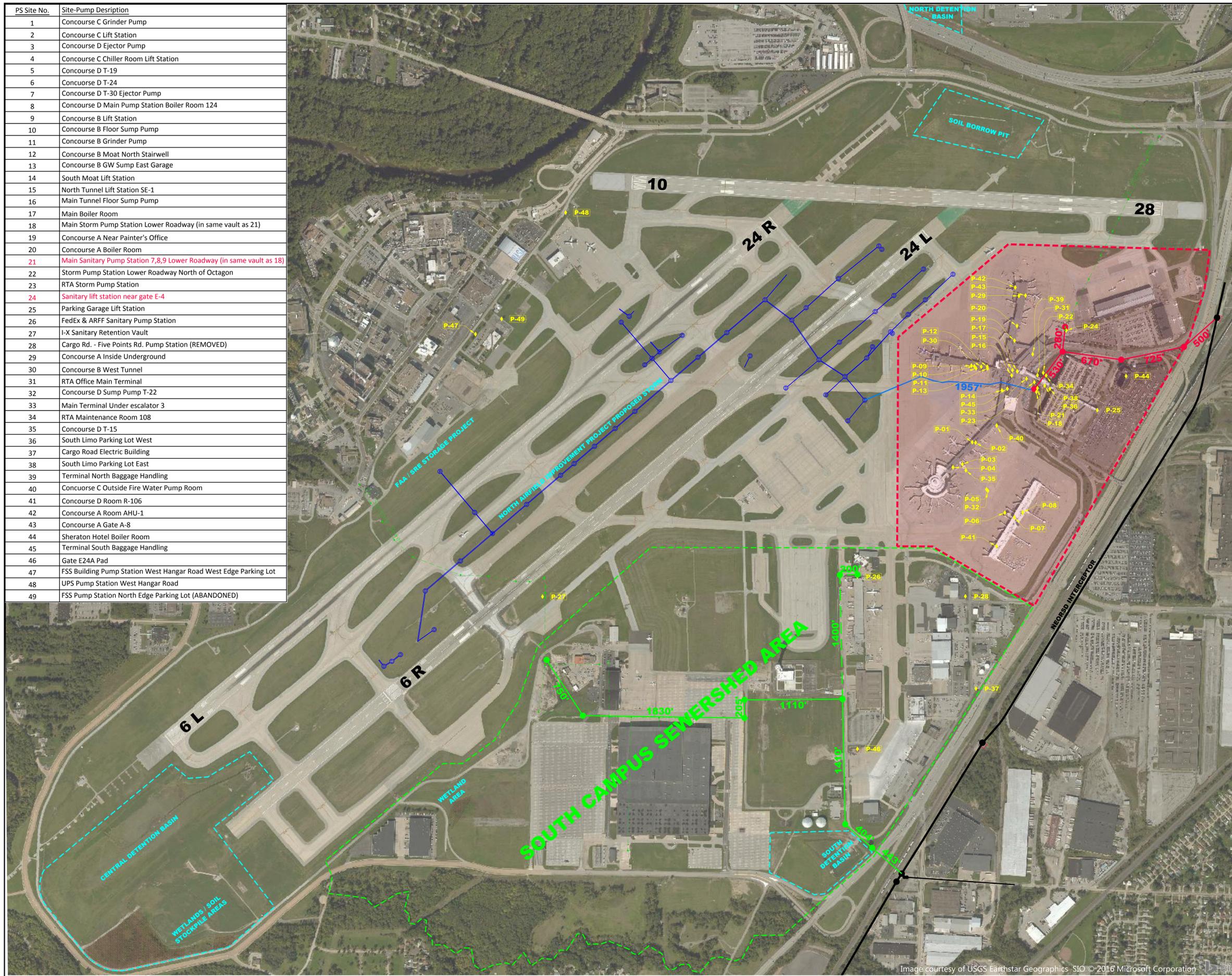


PS Site No.	Site-Pump Description
1	Concourse C Grinder Pump
2	Concourse C Lift Station
3	Concourse D Ejector Pump
4	Concourse C Chiller Room Lift Station
5	Concourse D T-19
6	Concourse D T-24
7	Concourse D T-30 Ejector Pump
8	Concourse D Main Pump Station Boiler Room 124
9	Concourse B Lift Station
10	Concourse B Floor Sump Pump
11	Concourse B Grinder Pump
12	Concourse B Moat North Stairwell
13	Concourse B GW Sump East Garage
14	South Moat Lift Station
15	North Tunnel Lift Station SE-1
16	Main Tunnel Floor Sump Pump
17	Main Boiler Room
18	Main Storm Pump Station Lower Roadway (in same vault as 21)
19	Concourse A Near Painter's Office
20	Concourse A Boiler Room
21	Main Sanitary Pump Station 7,8,9 Lower Roadway (in same vault as 18)
22	Storm Pump Station Lower Roadway North of Octagon
23	RTA Storm Pump Station
24	Sanitary lift station near gate E-4
25	Parking Garage Lift Station
26	FedEx & ARFF Sanitary Pump Station
27	I-X Sanitary Retention Vault
28	Cargo Rd. - Five Points Rd. Pump Station (REMOVED)
29	Concourse A Inside Underground
30	Concourse B West Tunnel
31	RTA Office Main Terminal
32	Concourse D Sump Pump T-22
33	Main Terminal Under escalator 3
34	RTA Maintenance Room 108
35	Concourse D T-15
36	South Limo Parking Lot West
37	Cargo Road Electric Building
38	South Limo Parking Lot East
39	Terminal North Baggage Handling
40	Concourse C Outside Fire Water Pump Room
41	Concourse D Room R-106
42	Concourse A Room AHU-1
43	Concourse A Gate A-8
44	Sheraton Hotel Boiler Room
45	Terminal South Baggage Handling
46	Gate E24A Pad
47	FSS Building Pump Station West Hangar Road West Edge Parking Lot
48	UPS Pump Station West Hangar Road
49	FSS Pump Station North Edge Parking Lot (ABANDONED)



City of Cleveland  
**FRANK G. JACKSON**  
 MAYOR

Department of Port Control  
**FRED SZABO**  
 INTERIM DIRECTOR

**LEGEND**

- ▼ P-XX = PUMP/LIFT STATION SITE
- PROJECT 1 - TERMINAL SANITARY GRAVITY LINE  
2700'± DEEP SANITARY
- PROJECT 2 - SOUTH CAMPUS SANITARY GRAVITY LINE  
6150'± DEEP SANITARY  
1600'± ALTERNATE 1 EXTENSION
- PROJECT 3 - TERMINAL STORM EXTENSION  
2000'± STORM EXTENSION
- PROJECT 4 - CAMPUS WIDE STORM WATER ANALYSIS
- EXISTING NEORSD SANITARY INTERCEPTOR

**RATIONALE**

**PROJECT 1 - Terminal Deep Sanitary Sewer**

All of the terminal sanitary effluent leaves through P-21 and P-24. The elimination of these facilities by installing a gravity line will save the City of Cleveland hundreds of thousands of dollars in annual maintenance costs (and staffing) as well as reduce the risk of flooding and sewer backup that recently disabled electrical vault 6, shutting down the airport.

Subsequent projects can extend this sewer and eliminate the remaining pump stations over time.

The existing infrastructure, both pumps and sanitary sewers, are past their useful life and require replacement.

**PROJECT 2 - South Campus Deep Sanitary Sewer**

The Airport Layout Plan (ALP) calls for development in the south campus area but presently no infrastructure exists to handle this development. In addition, the I-X Center, CHIA Vehicle Maintenance, and Atlantic Aviation all flow through a failing sewer under the runways and through NASA. ARFF, FedEx and the US Postal Service utilize pump stations.

**PROJECT 3 - Terminal Storm Extension**

The North Airfield Improvement project has planned to install a storm sewer in proximity to the concourses that may be deep enough to eliminate the storm pump stations in and around the terminal.

**PROJECT 4 - Regional Storm Analysis**

Cleveland Hopkins International Airport covers roughly 2157 acres and generates a substantial amount of storm water runoff. For detention, storm water quality and airport functionality, regional solutions are the most efficient and beneficial options.



REVISIONS	DATE	DESCRIPTION	BY

Sheet Title: <b>NEORSD COLLABORATION OVERALL MAP</b>			
Designed: <b>N/A</b>	Drawn: <b>LUSTRI</b>	Checked: <b>HOLLEY</b>	Approved: <b>CAMACHO</b>
Scale: <b>1"=500'</b>		WBS No.: <b>N/A</b>	
Date: <b>August 5, 2016</b>	Sheet: <b>1 of 1</b>		

Image courtesy of USGS Earthstar Geographics. SIO © 2016 Microsoft Corporation