Path: J:\SpringfieldMetSanDist\110300100 Sugar Creek Disinfection Exemption\Exibits\Exihibit A-1 Plant Site.mxd

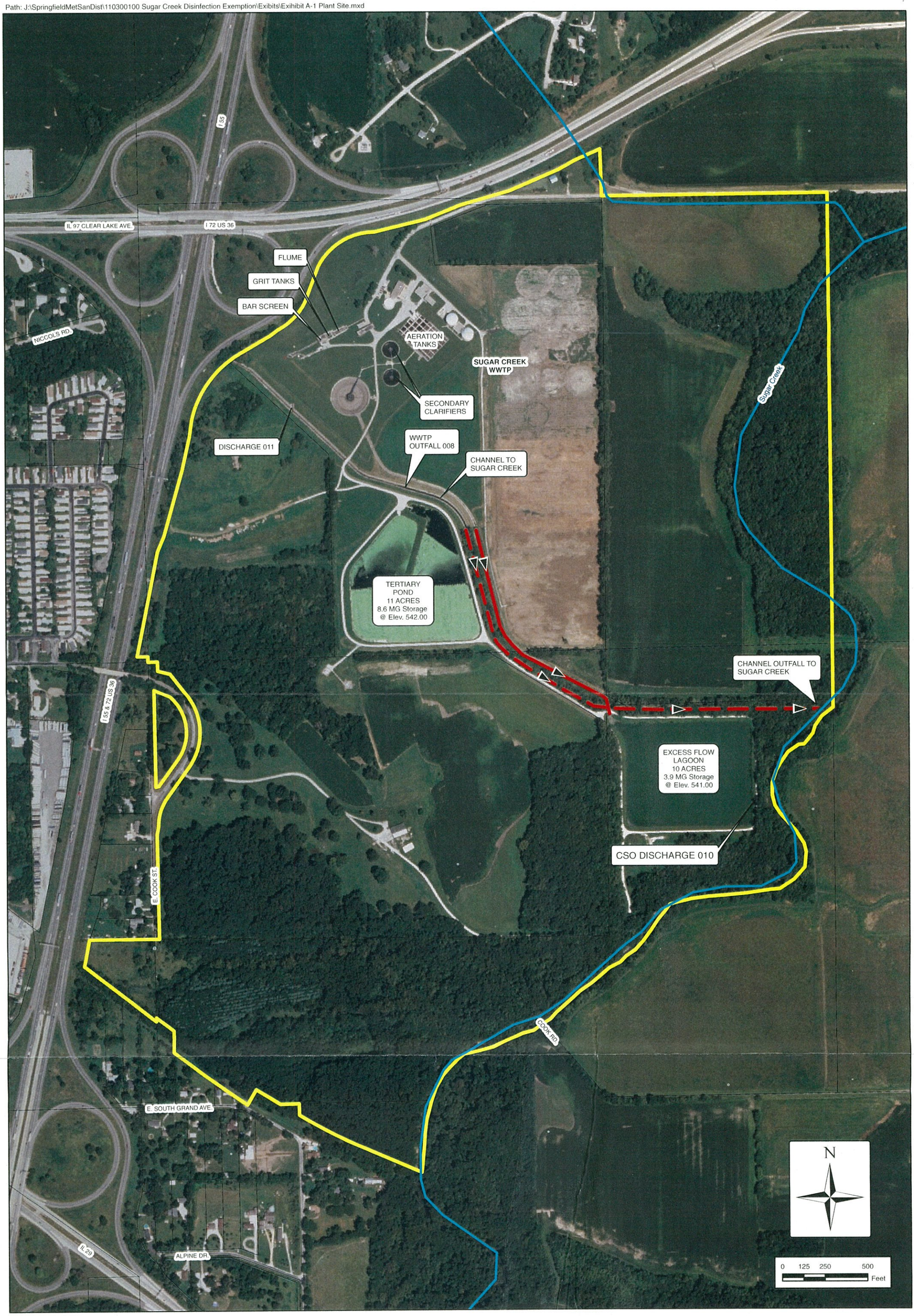

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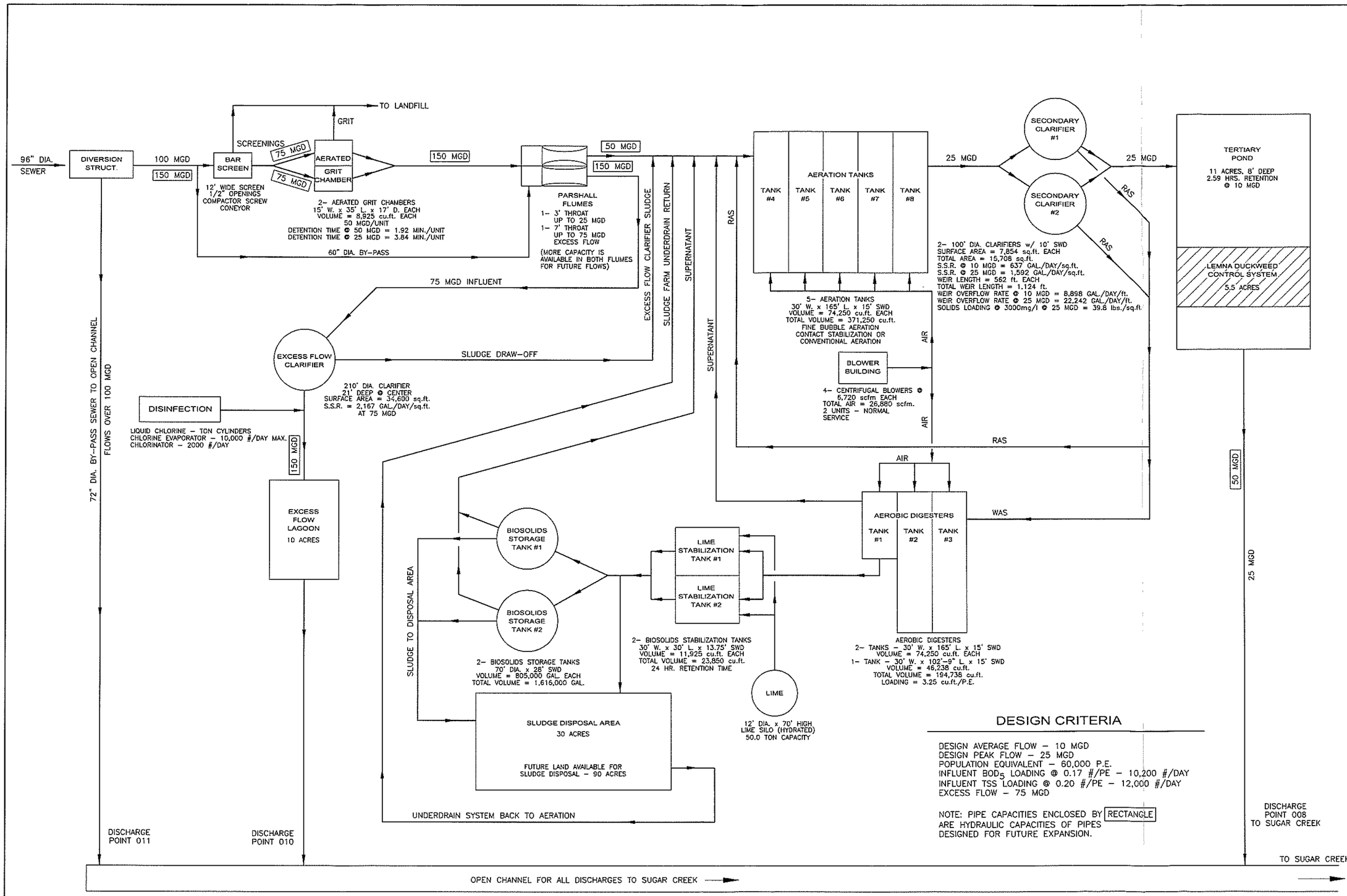
Exhibit A-1



DESIGN CRITERIA

DESIGN AVERAGE FLOW - 10 MGD
DESIGN PEAK FLOW - 25 MGD
POPULATION EQUIVALENT - 60,000 P.E.
INFLUENT BOD_5 LOADING @ 0.17 #/PE - 10,200 #/DAY
INFLUENT TSS LOADING @ 0.20 #/PE - 12,000 #/DAY
EXCESS FLOW - 75 MGD

NOTE: PIPE CAPACITIES ENCLOSED BY RECTANGLE ARE HYDRAULIC CAPACITIES OF PIPES DESIGNED FOR FUTURE EXPANSION.

J:\SpringfieldMetSanDist\110300100 Sugar Creek Disinfection Ex
FILE: EXHIBIT A-2.dwg
LAYOUT: Layout1
UPDATE BY: Don Burris
SURVEY BOOK #
DATE: Monday, June 20, 2011 10:26:45 AM
XREF DWG:

REVISIONS

NUMBER	BY	DATE

0 1 2
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

SPRINGFIELD METRO SANITARY DISTRICT
SPRINGFIELD, ILLINOIS

SUGAR CREEK - WWTP IMPROVEMENTS

EXISTING PROCESS FLOW DIAGRAM

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DESIGN BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	
DATE:	FEBRUARY 27, 2007
JOB No:	06030-01-00

EXHIBIT A-2

SHEET OF SHEET

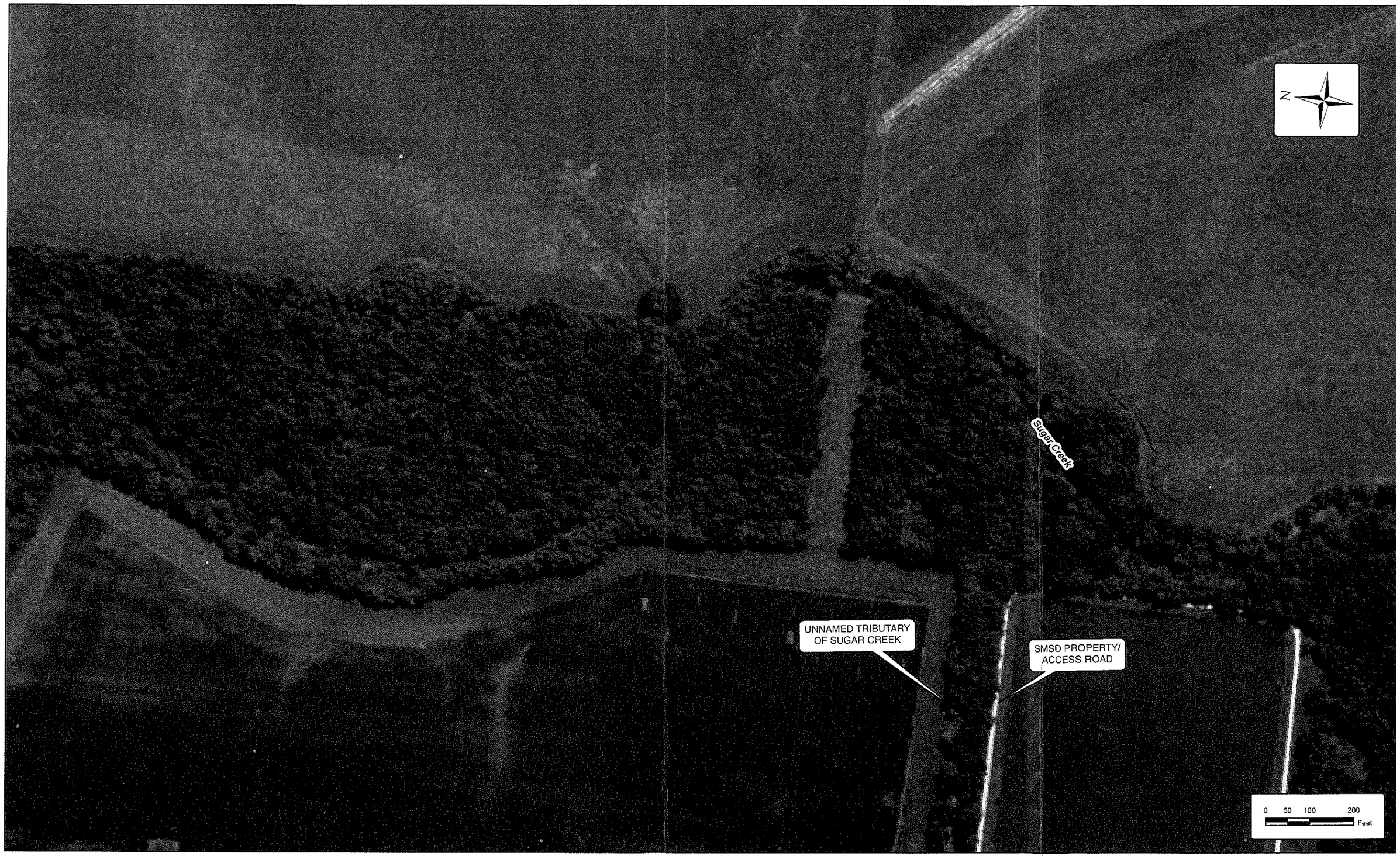

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Exhibit 5

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Disinfection Exemption
Exhibit 6

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Disinfection Exemption
Exhibit 7