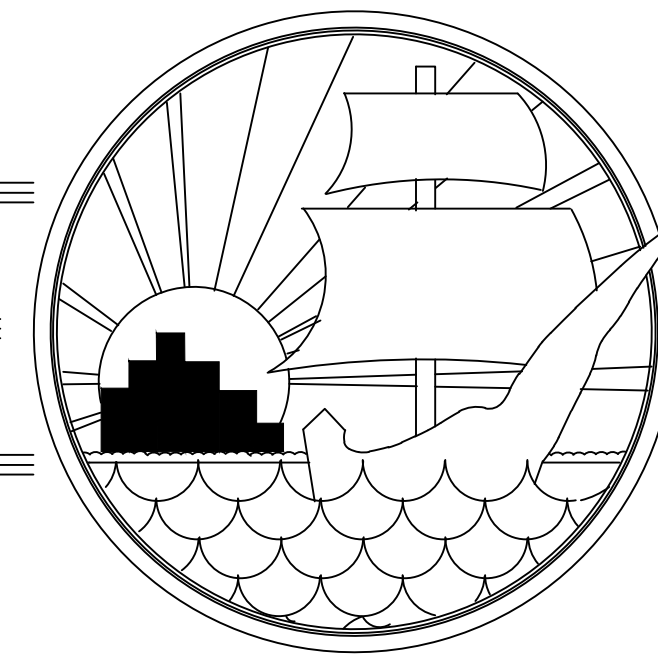


SEWRF / LENA ROAD LANDFILL GENERAL DEVELOPMENT PLAN UPDATE

COUNTY PROJECT #20130123

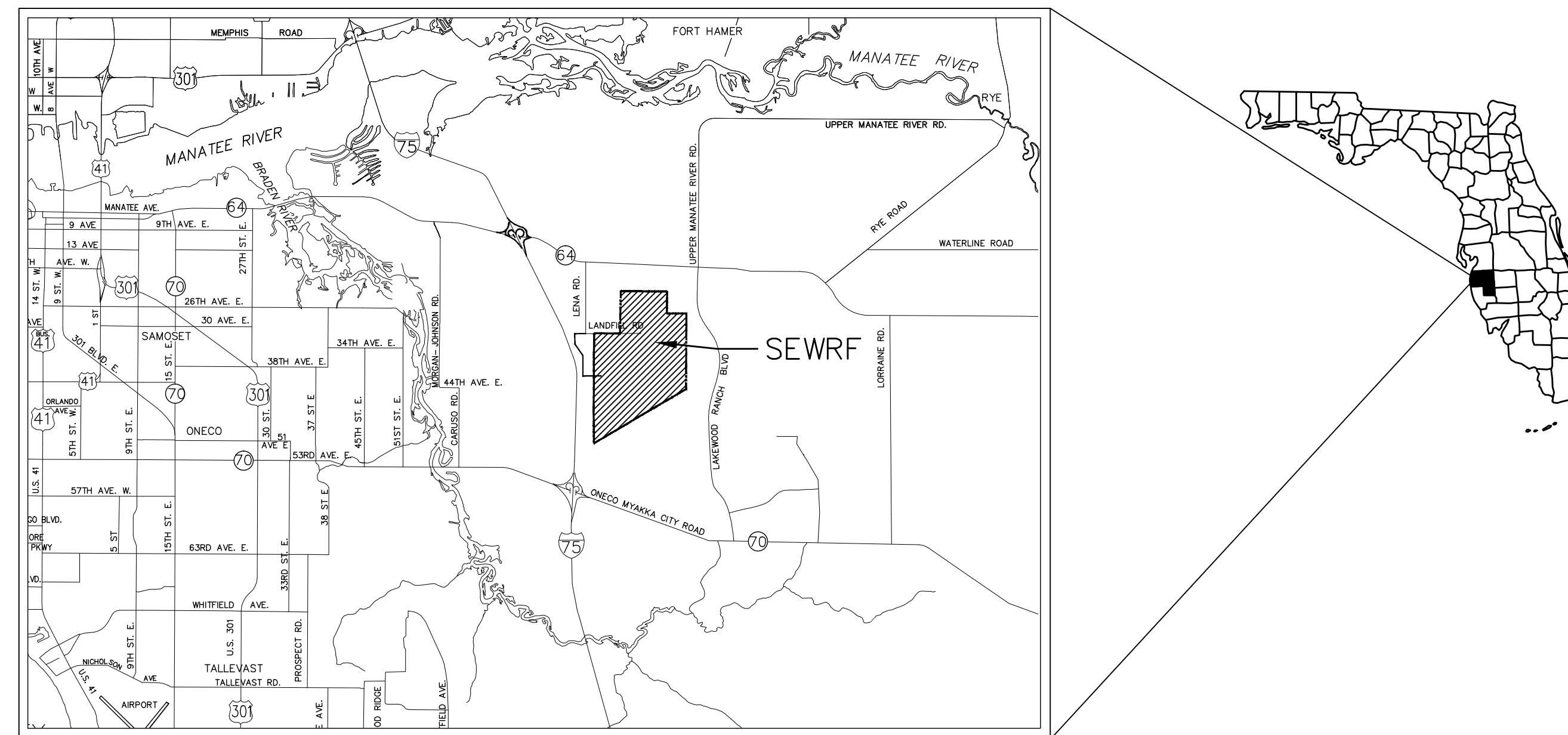
MAY 2013



MANATEE COUNTY, FLORIDA

INDEX OF DRAWINGS

- | | |
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| 2 | SITE INFORMATION AND ABBREVIATIONS |
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| 6 | PROPOSED SITE PLAN |
| 7 | PROPOSED SITE PLAN |



PROJECT VICINITY MAP
SECTION 1,6,7,12,30,31,36, TOWNSHIP 34,35 RANGE 18,19

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BUILDING INFORMATION

DESCRIPTION	PROJECT LIMITS (ACRES)	BUILDING AREA (SF)
CURRENT CIP		
LANDFILL AREA		
PUBLIC RESTROOM FACILITY	0.17	200
STAGE II PREPARATION	120.90	N/A
GAS EXPANSION PHASE III, STAGE III	43.94	N/A
GAS ELECTRIC GENERATION, PHASE I	0.10	2,155
GAS ELECTRIC GENERATION, PHASE II	0.10	2,155
WATER RECLAMATION FACILITY AREA		
LAKE FILTERS	0.74	2,000
SEPTAGE RECEIVING STATION	0.45	9,000
GROUND STORAGE TANK AND HSP	1.36	36,000
GRAVITY BELT THICKENER	0.04	700
MAINTENANCE BUILDING	0.48	14,000
SUBTOTAL	168.28	66,210
FUTURE CIP		
BELT FILTER PRESS EXPANSION	0.29	7,000
OIL STORAGE	0.54	23,400
GROUND STORAGE TANK	1.11	35,000
ADMINISTRATION BUILDING	0.26	3,726
WRF BUILDOUT	18.80	5,060
FLOCCULATOR		1,300
BLOWER BUILDING		684
CHEMICAL BUILDING		1,783
DRYER		5,060
SLUDGE HOLDING TANKS		13,392
SPLITTER BOX		1,425
HEADWORKS		1,906
ANOXIC/AEROBIC TANKS		74,076
MCC		1,268
SPLITTER BOX RAS/WAS PUMP STATION		1,324
FINAL CLARIFIERS		41,259
AUTOMATIC BACKWASH FILTERS		14,742
CHLORINE CONTACT BASINS		2,886
LANDFILL BUILDOUT	0.93	
CUSTOMER SERVICE CENTER		8,360
SCALEHOUSE OFFICE SPACE AND STORAGE		4,396
HHW STORAGE BUILDING		3,000
LANDFILL OPERATIONS STORAGE BUILDING		3,000
SUBTOTAL	21.93	254,047
EXISTING		
LANDFILL ADMINISTRATION AREA		
ADMINISTRATION BUILDING	18.03	4,908
HOME HAZARDOUS WASTE BUILDING		20,493
OPERATIONS BUILDING		8,746
EQUIPMENT MAINTANENCE BUILDING		11,924
LANDFILL SCALE HOUSE AREA		
SCALE HOUSE BUILDING	3.43	2,000
WATER RECLAMATION FACILITY AREA		
OPEN TANK AREA		222,164
CONTROL BUILDING		2,960
ELECTRICAL BUILDING		3,805
CHEMICAL BUILDING		6,311
CHLORINATION BUILDING		1,815
ACCESSORY BUILDINGS AND PADS		8,674
ROADWAY/PARKING (PAVED AND DIRT)	29.98	
OPEN AREA AND LANDFILL CELLS	879.80	
SUBTOTAL	954.42	293,800
TOTAL =	979	614,057
EXISTING F.A.R. = 293,800 EXISTING SQ. FT. / 50,965,200 OVERALL SITE SQ. FT. =		0.00577
PROPOSED F.A.R. = (293,800 EXISTING SQ. FT. + 254,047 TO BE DETERMINED SQ. FT. + 66,210 CIP SQ. FT.) / 50,965,200 OVERALL SITE SQ. FT. =		0.012057

PROPOSED DEVELOPMENT CONSTRUCTION SCHEDULE

LOCATION	PROJECT #	PROJECT NAME	STARTING DATE	COMPLETION DATE
SEWRF	WW00966	10 MG GROUND STORAGE TANK	Oct-15	Mar-17
SEWRF	WW00971	10 MG GROUND STORAGE TANK AND INTERCONNECTION	Oct-14	Mar-16
SEWRF	6073780	LAKE FILTERING SYSTEM	Mar-13	Mar-14
SEWRF	WW01029	MAINTENANCE BUILDING	Oct-16	Sep-18
SEWRF	WW01027	SECOND GRAVITY BELT THICKENER	Oct-16	Sep-17
SEWRF	6083480	SEPTAGE RECEIVING STATION	Oct-13	Mar-15
LANDFILL	6077200	DISPOSAL PREPARATION - STAGE II	Oct-15	Dec-16
LANDFILL	SW00849	GAS COLLECTION EXPANSION - STAGE III, PHASE III	Oct-14	Sep-15
LANDFILL	SW00991	GAS ELECTRIC GENERATION - PHASE II	Oct-14	Sep-16
LANDFILL	6008202	GAS ELECTRIC GENERATION - PHASE I	Jan-13	Jun-14
LANDFILL	6083800	PUBLIC RESTROOM FACILITY	Apr-13	Dec-13
SEWRF	TBD	10 MG GROUND STORAGE TANK	Oct-20	Oct-21
SEWRF	TBD	BELT FILTER PRESS EXPANSION	Oct-15	Oct-16
SEWRF	TBD	ADMINISTRATION BUILDING	Oct-13	Jan-15
SEWRF	TBD	PLANT EXPANSION TO 24 MGD OR INCREMENTAL EXPANSION	Oct-25	Oct-27
		FLOCCULATOR		
		BLOWER BUILDING		
		CHEMICAL BUILDING		
		DRYER		
		SPLITTER BOX		
		HEADWORKS		
		ANOXIC/AEROBIC TANKS		
		MCC/GENERATOR BUILDING		
		SPLITTER BOX RAS/WAS PUMP STATION		
		FINAL CLARIFIERS		
AUTOMATIC BACKWASH FILTERS				
CHLORINE CONTACT BASINS				
SEWRF	TBD	OIL STORAGE	Oct-14	Oct-15
LANDFILL	TBD	CUSTOMER SERVICE CENTER	Oct-17	Sep-18
LANDFILL	TBD	SCALEHOUSE OFFICE SPACE AND STORAGE	Oct-17	Sep-18
LANDFILL	TBD	HHW STORAGE BUILDING	Oct-17	Sep-18
LANDFILL	TBD	LANDFILL OPERATIONS STORAGE BUILDING	Oct-17	Sep-18

GENERAL SITE INFORMATION

SITE ZONING-- PD-PI
 ZONING WITHIN 200FT-- A, A-1, LM, NC-S, PD-C, PD-I, PD-MU, PD-PI, PD-R, PR-M
 LAND USE WITHIN 200FT-- OFFICE BUILDINGS/PRIVATE SCHOOLS/COLLEGES, REPAIR SERVICE SHOPS, SERVICE STATIONS, SINGLE FAMILY RESIDENTIAL, STORES, ONE STORY, UTILITIES, VACANT ACREAGE, NOT AGRI, VACANT COMMERCIAL, VACANT COUNTY, VACANT INDUSTRIAL, VACANT RESIDENTIAL TRACT/UNUSABLE, WAREHOUSING CONDO FLEX, WAREHOUSING, DISTRIBUTION.
 FUTURE LAND USE-- P/SP-1
 PROPERTY AREA-- 1169.20 ACRES
 FEMA FLOOD ZONE-- ZONE X, A, AE
 FEMA 100YR FLOOD EL.-- AE: 28'-31'
 PROPOSED WETLANDS IMPACTS-- N/A
 PROJECT SETBACKS FROM PROPERTY BOUNDARY-- FRONT- 50'
 SIDE- 50'
 REAR- 50'
 WATERFRONT- 30'

ABBREVIATIONS

GST GROUND STORAGE TANK
 RCW RECLAIMED WATER
 HSP HIGH SERVICE PUMPS
 MCC MOTOR CONTROL CENTER
 RAS/WAS RETURNED ACTIVATED SLUDGE/WASTE ACTIVATED SLUDGE
 WRF WATER RECLAMATION FACILITY

GENERAL NOTES

- PARKING CALCULATIONS FOR THE PROPOSED PROJECTS WILL BE SUBMITTED WITH THE FINAL SITE PLANS.
- ACCESS ROADS SUPPORTING THE PROPOSED PROJECTS WILL BE SUBMITTED WITH THE FINAL INDIVIDUAL SITE PLANS.
- ALL PROJECTS WILL COMPLY WITH THE LAND DEVELOPMENT CODE HEIGHT STANDARDS OR BE EXCLUDED PER SECTION 702.5.
- THE PROJECT SITE IS ADJACENT TO THE PERENINIAL STREAM CYPRESS STRAND. THE WATER QUALITY AND QUANTITY OF CYPRESS STRAND WILL NOT BE NEGATIVELY AFFECTED BY THE PROPOSED PROJECTS AS ALL STORM WATER MANAGEMENT WILL COMPLY WITH SWFWMD STANDARDS AND MANATEE COUNTY STANDARDS AS STATED IN SECTION 717 OF THE LAND DEVELOPMENT CODE.
- THE TRAFFIC OPERATIONS AND SAFETY SHALL MEET THE LATEST EDITION OF THE MANATEE COUNTY TRANSPORTATION DEPARTMENT'S HIGHWAY, TRAFFIC AND STORM STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION'S (FDOT) STANDARDS FOR ROAD AND BRIDGE DESIGN, INCLUDING ANY OTHER APPLICABLE FDOT STANDARDS AND SPECIFICATIONS, AND THE FEDERAL HIGHWAY ADMINISTRATION'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

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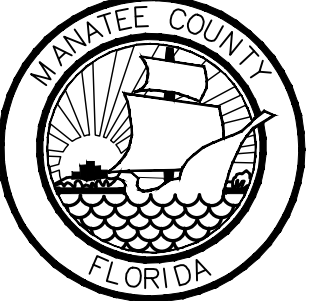
REV. NO.	DESCRIPTIONS	DATE

SEAL
 BLAKE PETERS, P.E.
 No. 64429

SEAL



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MANATEE COUNTY, FLORIDA

SEWRF/LENA ROAD LANDFILL
 GENERAL DEVELOPMENT
 PLAN UPDATE

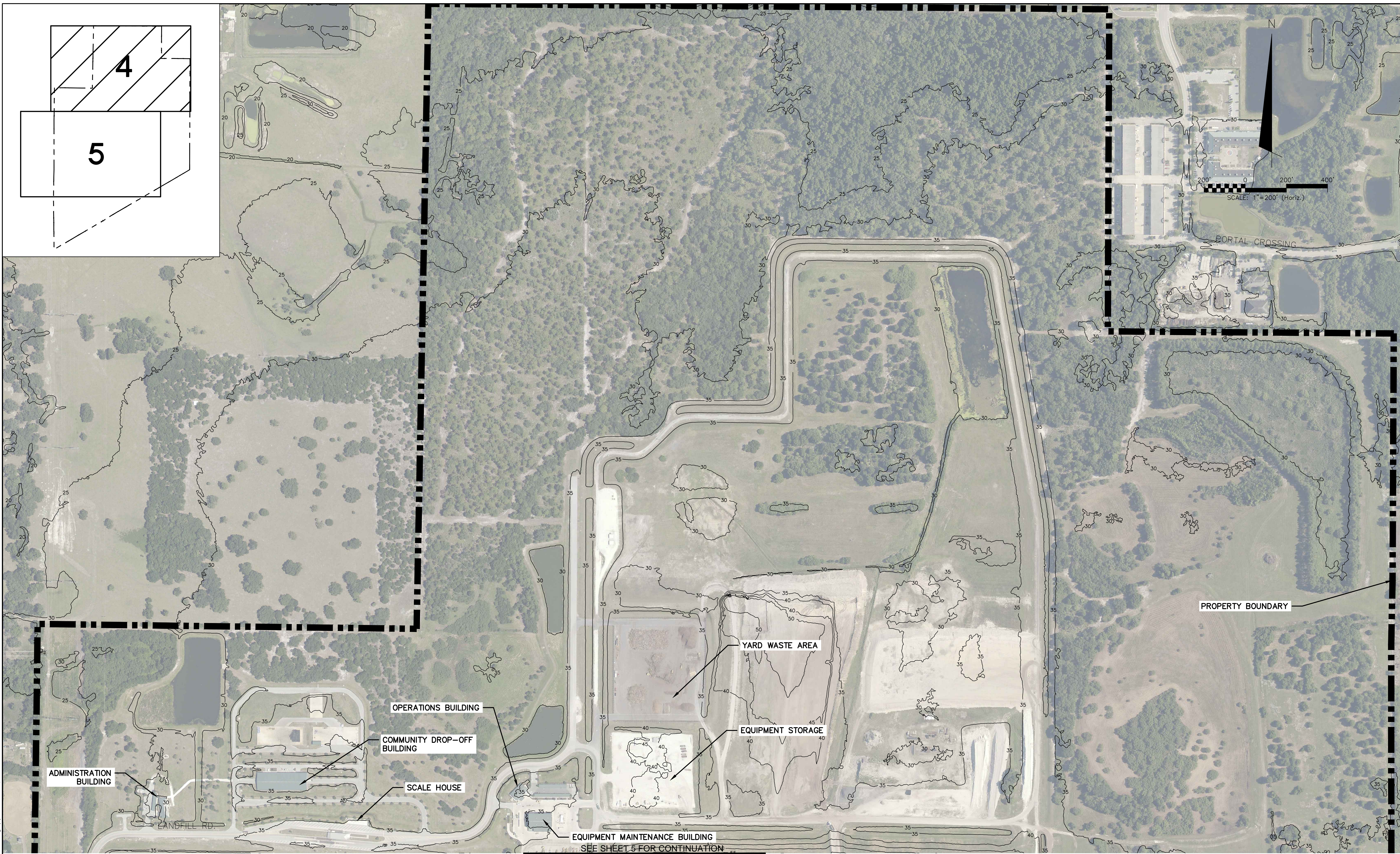
SITE INFORMATION AND
 ABBREVIATIONS

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STATUS: REVISION



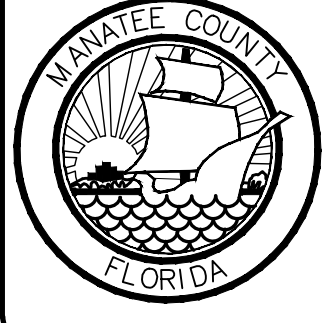
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REV. NO.	DESCRIPTIONS	DATE

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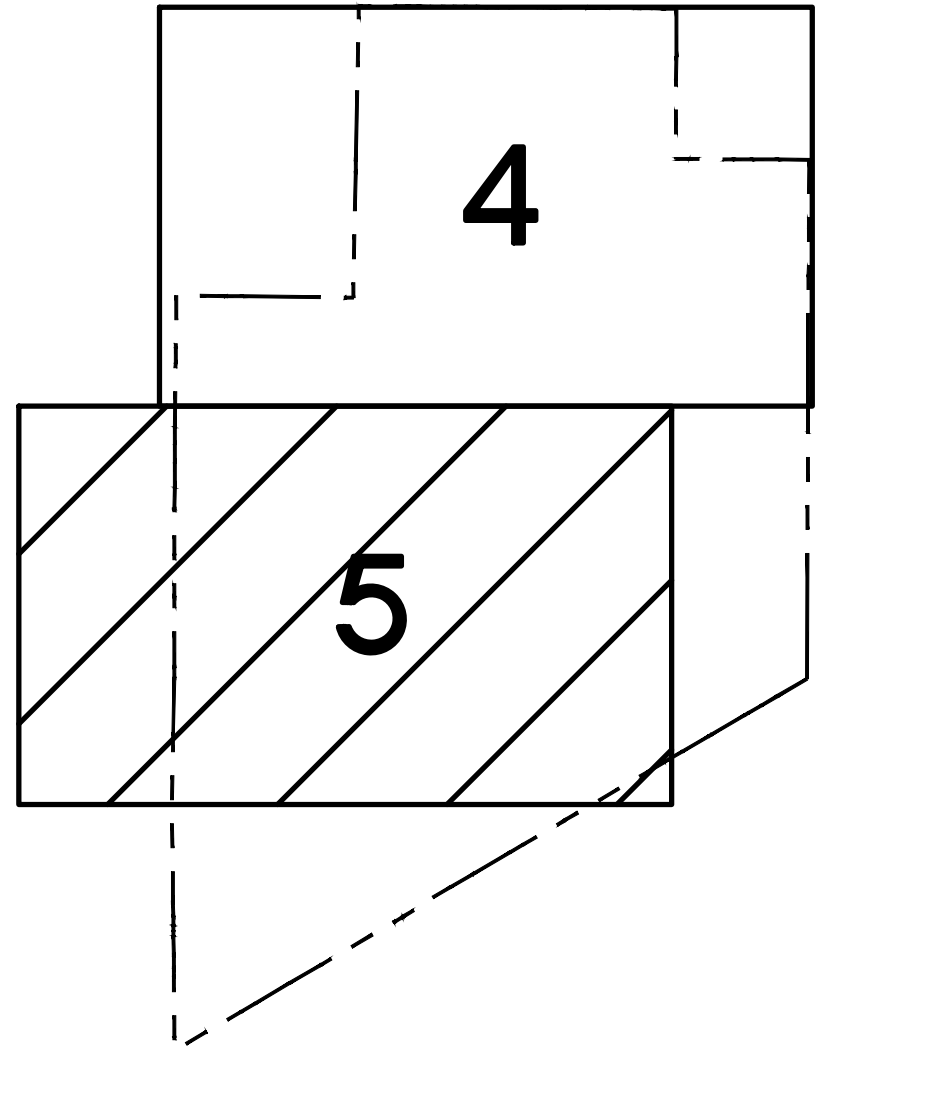
**SEWRF/LENA ROAD LANDFILL
 GENERAL DEVELOPMENT
 PLAN UPDATE**

EXISTING SITE PLAN

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DESIGNED:	
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PROJ. MGR.	MSL
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SEE SHEET 4 FOR CONTINUATION

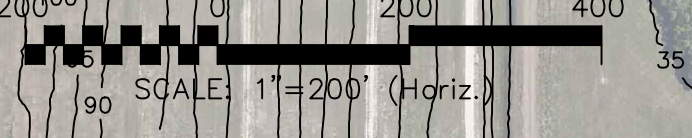


LANDFILL RD

LANDFILL CELL STAGE III

PROPERTY BOUNDARY

LANDFILL CELL STAGE 1



81ST CT. E.

EXISTING WATER RECLAMATION FACILITY

81ST CT. E.

LENA RD.

NORTH LAKE
16 ACRE POND

EAST LAKE
63 ACRE POND

41ST AVE. E.

SOUTH LAKE 2
86 ACRES

PROPERTY BOUNDARY

TECHNOLOGY TERR

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REV. NO.	DESCRIPTION	DATE

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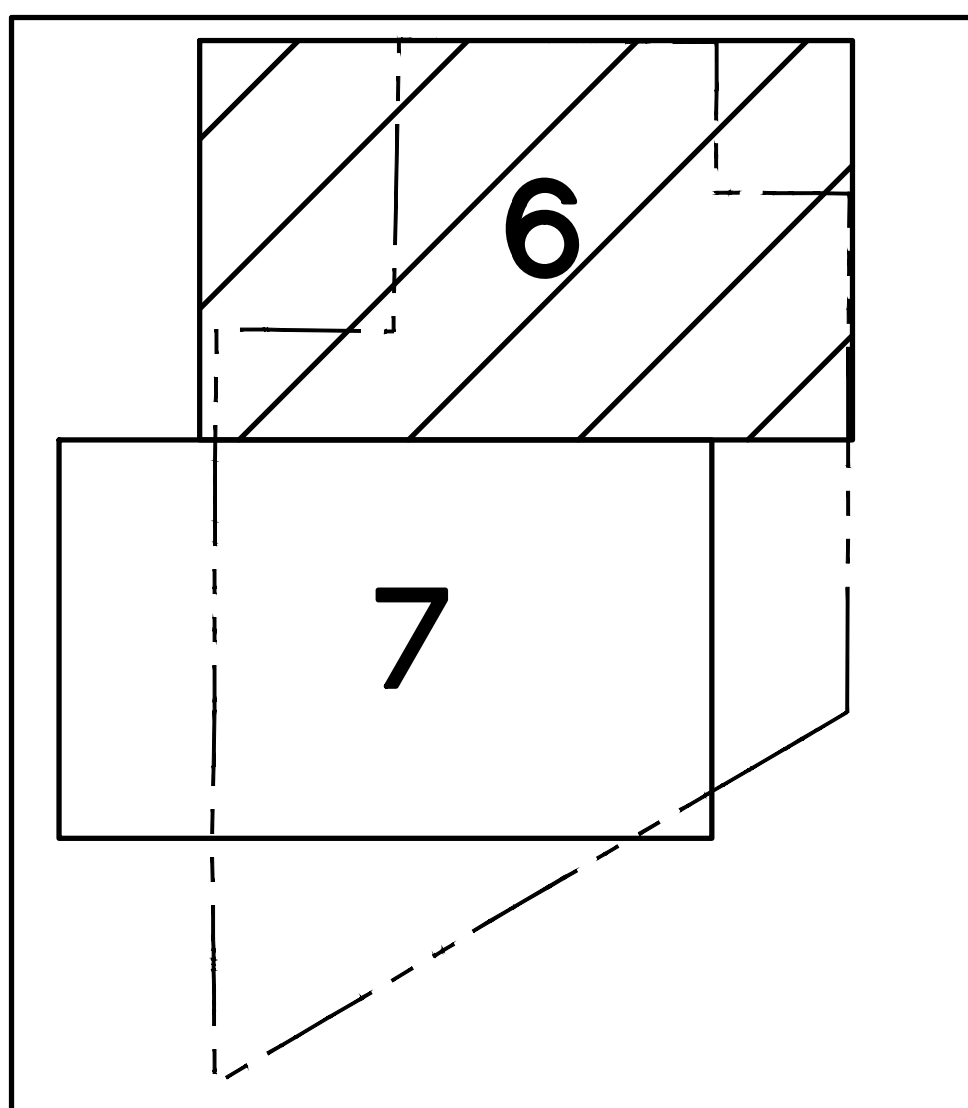
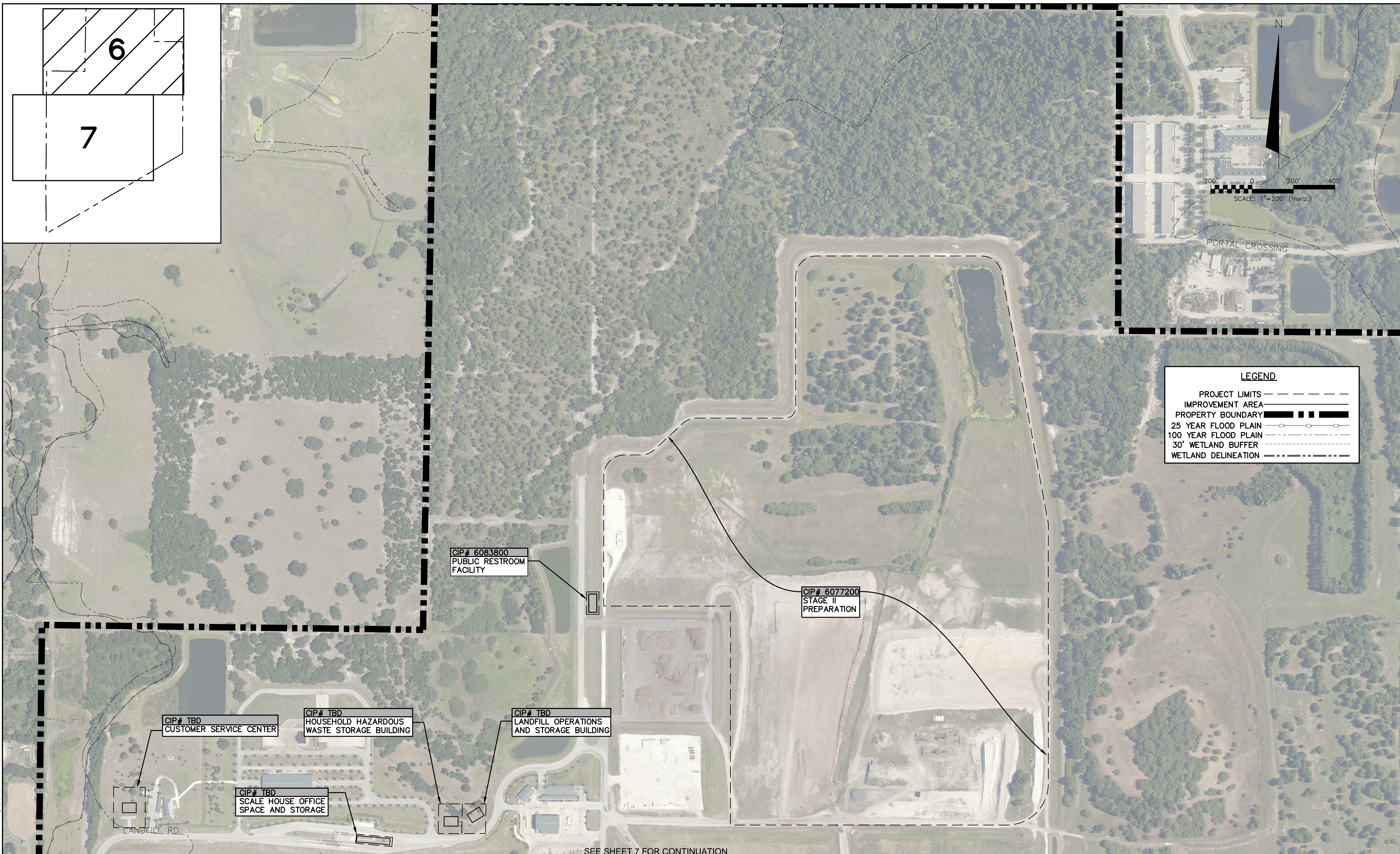
SEWRF/LENA ROAD LANDFILL
GENERAL DEVELOPMENT
PLAN UPDATE

EXISTING SITE PLAN

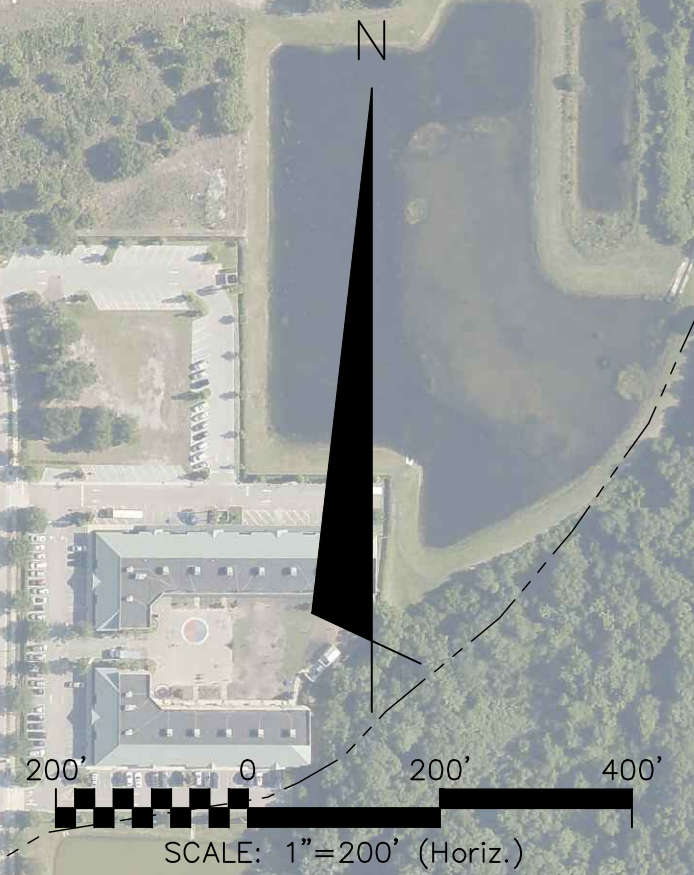
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DESIGNED:
CHECKED:
PROJ. MGR. MSL

SCALE:
HORIZONTAL: AS SHOWN
VERTICAL: NA

DRAWING NUMBER: 5
REVISION



LEGEND	
PROJECT LIMITS	---
IMPROVEMENT AREA	----
PROPERTY BOUNDARY	■■■■
25 YEAR FLOOD PLAIN	◇◇◇◇
100 YEAR FLOOD PLAIN	-----
30' WETLAND BUFFER	-----
WETLAND DELINEATION	-----



CIP# 6083800
PUBLIC RESTROOM
FACILITY

CIP# 6077200
STAGE II
PREPARATION

CIP# TBD
CUSTOMER SERVICE CENTER

CIP# TBD
HOUSEHOLD HAZARDOUS
WASTE STORAGE BUILDING

CIP# TBD
LANDFILL OPERATIONS
AND STORAGE BUILDING

CIP# TBD
SCALE HOUSE OFFICE
SPACE AND STORAGE

SEE SHEET 7 FOR CONTINUATION

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MANATEE COUNTY, FLORIDA

SEWRF/LENA ROAD LANDFILL
GENERAL DEVELOPMENT
PLAN UPDATE

PROPOSED SITE PLAN

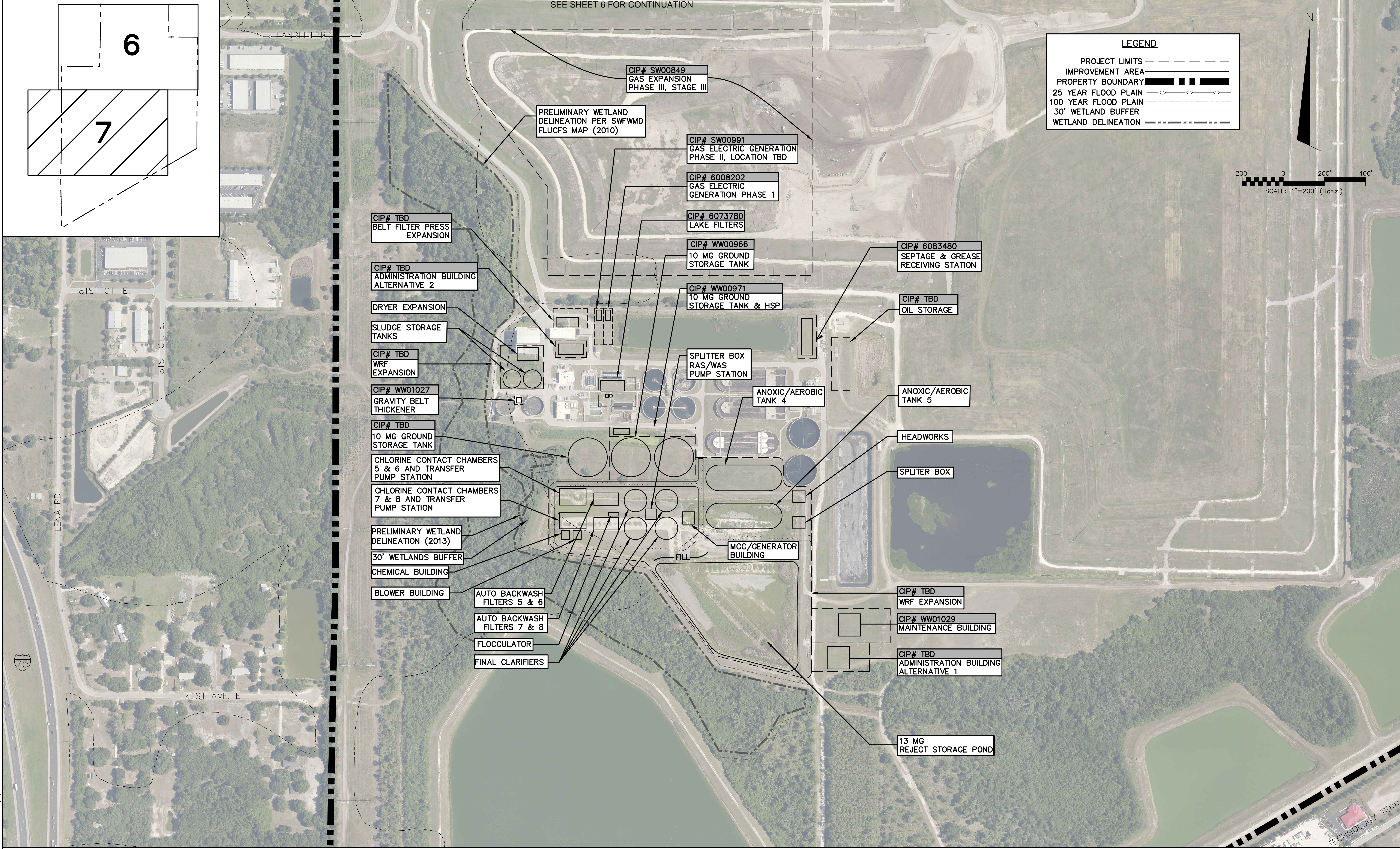
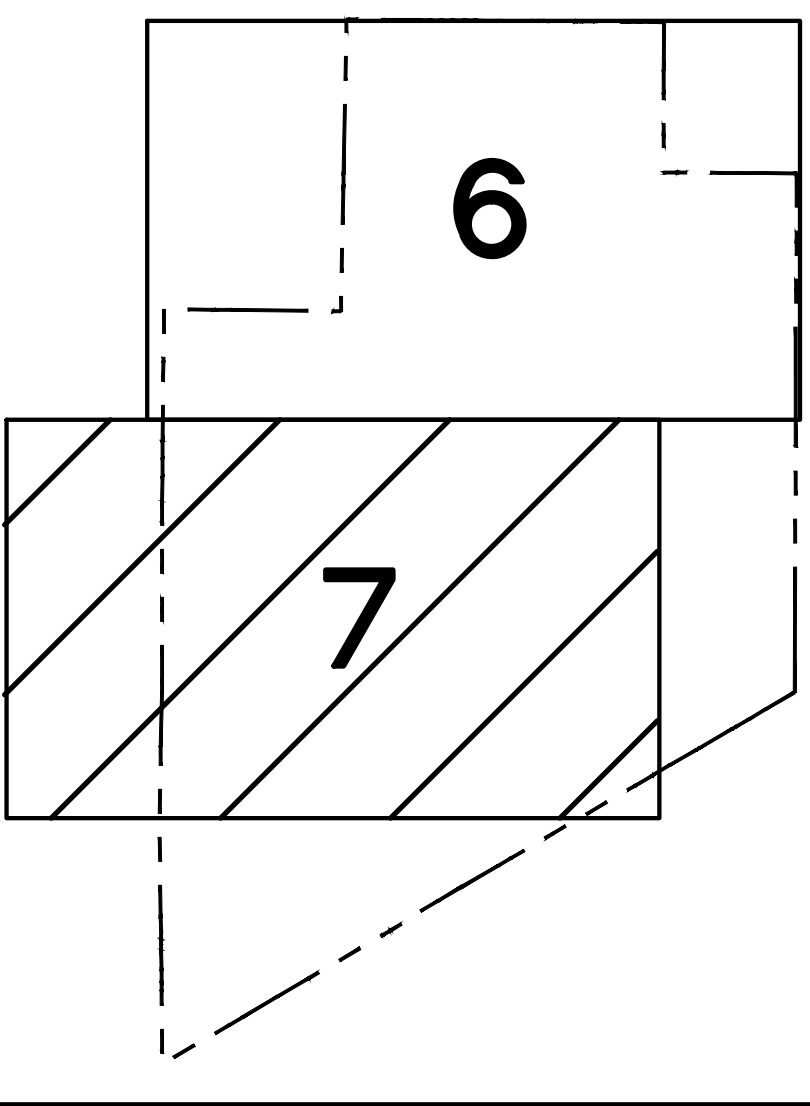
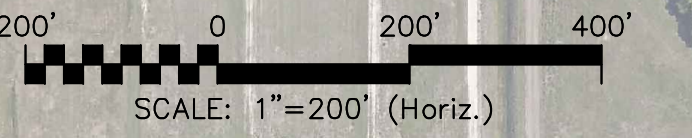
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PROJ. MGR.	MSL
STATUS:	

SCALE:	DRAWING NUMBER
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VERTICAL:	NA
	6

SEE SHEET 6 FOR CONTINUATION

LEGEND

- PROJECT LIMITS - - - - -
- IMPROVEMENT AREA - - - - -
- PROPERTY BOUNDARY - - - - -
- 25 YEAR FLOOD PLAIN - - - - -
- 100 YEAR FLOOD PLAIN - - - - -
- 30' WETLAND BUFFER - - - - -
- WETLAND DELINEATION - - - - -



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MANATEE COUNTY, FLORIDA

**SEWRF/LENA ROAD LANDFILL
GENERAL DEVELOPMENT
PLAN UPDATE**

PROPOSED SITE PLAN

DATE:	MAY 2013
MCE PROJ. #	1024-0159
DRAWN:	QES
DESIGNED:	
CHECKED:	
PROJ. MGR.	MSL
STATUS:	

SCALE:	DRAWING NUMBER:
HORIZONTAL:	AS SHOWN
VERTICAL:	NA
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