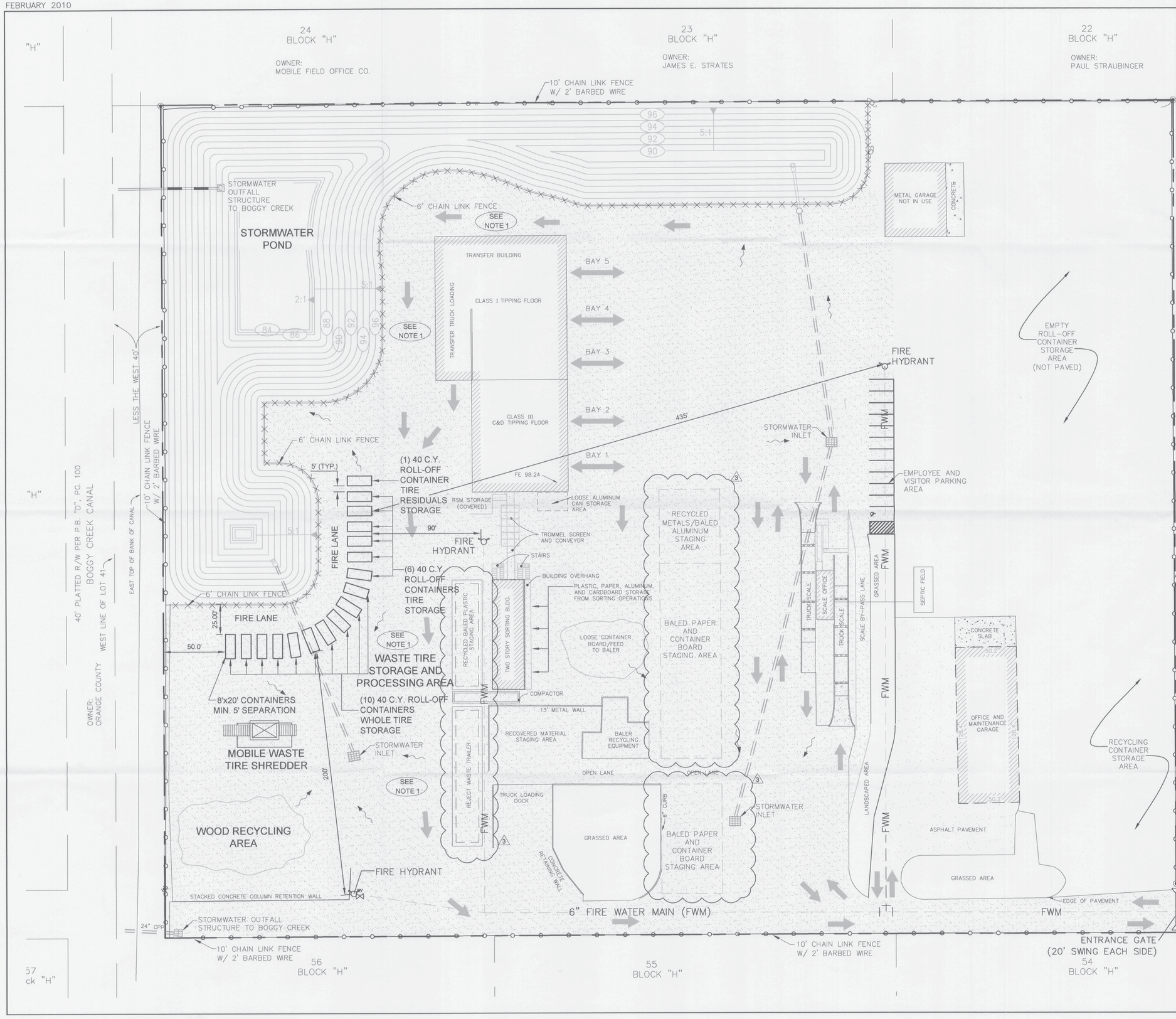
FEBRUARY 2010



RECEIVED
FEB 18 2011
DEP, Central Dist.

0 20 40
DISTANCE IN FEET

LEGEND

- PROPERTY BOUNDARY
- BELOW GRADE STORMWATER PIPING
- BELOW GRADE FIRE WATER MAIN
- 8 FT. TALL PERIMETER FENCE WITH 2 FT. BARBED WIRE
- 6 FT. TALL CHAIN LINK FENCE AROUND STORMWATER POND
- TRAFFIC FLOW DIRECTION
- STORMWATER FLOW DIRECTION
- ASPHALT PAVED AREA

NOTES: 1. PAVED AREA KEPT CLEAR FOR TRANSFER TRUCKS AND EMERGENCY VEHICLE TRAFFIC.

2. PROPERTY BOUNDARY SHOWN ON SOUTH SIDE OF 7TH STREET PER VACATE AGREEMENT.

FIRE FLOW CALCULATIONS

NFF = $18 \times \sqrt{A} \times (0.8) \times (1.15)$
= $18 \times \sqrt{18600} \times (0.8) \times (1.15)$
= 2258.5 G.P.M.

CREDIT ALLOWED = 1 EXISTING FIRE HYDRANT WITHIN 300'
+ 1 EXISTING FIRE HYDRANT WITHIN 600'
= 1000 G.P.M. + 670 G.P.M.
= 1670 G.P.M.

ADDITIONAL FIRE FLOW REQUIRED = 2258.5 G.P.M. - 1670 G.P.M.
= 588.5 G.P.M.

PROPOSED FIRE HYDRANT CREDIT = 1000 G.P.M.
THEREFORE FIRE FLOW REQUIREMENT MET.

hsagolden engineering environmental solutions
100 EAST PINE STREET, SUITE 605
ORLANDO, FL 32801
P: 407.649.5475 F: 407.649.6582
HSAGOLDEN.COM

DATE: 2-24-11 1:26 P.M.
Donald Jay Haggett
FLORIDA LICENSED PROFESSIONAL ENGINEER
HSA GOLDEN PROJECT No. 06-404.010

	BY	DATE
DESIGNED	JG	10/09
DRAWN	TS	10/09
CHECKED	DL	10/09
FILE: 06-404.016-SITE-2.dwg		

REVISED	CHECKED
JG	JW
JG	JW
JG	DL
JG	JW

DATE	REVISIONS
02/11	3 UPDATED BALED & PAPER AREA
	3 UPDATED RECYCLED BALED PLASTIC AREA
02/10	PER OCFRD COMMENTS, DATED 1/19/10
12/09	UPDATED FOR OCFRD FIRE SURVEY AS PER
	FDEP RAI, DATED 11/17/2009

SITE PLAN

TAFT RECYCLING, INC. CLASS I & CLASS III
WASTE PROCESSING FACILITY
AND TRANSFER STATION
ORANGE COUNTY, FLORIDA

PROJECT NO.
06-404.010

SHEET
1