

- NOTES:**
- UNIFIED CIRCULATION AND GENERAL CROSSOVER ACCESS TO BE ESTABLISHED WITH PROPERTIES TO THE NORTH AND REDVELOPMENT OF THESE PROPERTIES.
 - THIS PROJECT DOES NOT REQUIRE MSD SANITARY SEWER OR CAPACITY. NO SANITARY SEWER FIXTURES TO BE INSTALLED. BOARD OF HEALTH APPROVAL REQUIRED PRIOR TO MSD CONSTRUCTION PLAN APPROVAL.
 - MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN CONSTRUCTION TO PREVENT FUGITIVE EMISSIONS REACTING WITH ADJACENT PROPERTIES.
 - TOTAL SITE AREA = 0.51 ACRE
NO SITE DETENTION REQUIRED.
 - SURFACE DRAINAGE FLOW # PATTERNS REMAIN UNCHANGED. EXISTING SITE DRAINAGE IS BY SHEET DRAINAGE TO THE EAST AND WEST PROPERTY LINES AND WILL REMAIN AS SHEET DRAINAGE TO THE EAST AND WEST PROPERTY LINES AFTER CONSTRUCTION OF NEW BUILDING.
 - CONSTRUCTION PLANS AND DOCUMENTS SHALL COMPLY WITH LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT DESIGN MANUAL AND SPECIFICATIONS AND OTHER LOCAL, STATE AND FEDERAL ORDINANCES.
 - NO INCREASE IN PEAK FLOW OR VOLUME ONTO THE ADJACENT RESIDENTIAL PROPERTIES. INCREASED RUN OFF SHALL BE DIRECTED EAST OR WEST TOWARDS NATIONAL TURNPIKE. KYC APPROVAL REQUIRED FOR INCREASED RUNOFF VOLUME AND SITE IS SUBJECT TO THE REGIONAL FACILITY FEE X 1.5.

- LEGEND**
- APPROXIMATE PROPERTY LINE
 - SETBACK/ENCROACHMENT
 - TREE PROTECTION FENCE
 - DRAINAGE FLOW DIRECTION
 - 1 DOWNSPOUT LOCATION WITH 90° TURN OUT ELBOW TO A SPLASH BLOCK TO SHEET DRAINAGE PER FLOW ARROWS
 - 2 DOWNSPOUT LOCATION WITH ABOVE GROUND PIPE DIRECTED TO THE FRONT OF BUILDING
 - 3 DISCHARGE LOCATION FOR PIPES FROM REAR DOWNSPOUTS
- TREE TYPE LEGEND**
- COTTONWOOD
 - HACKBERRY
 - MAPLE
 - ASH

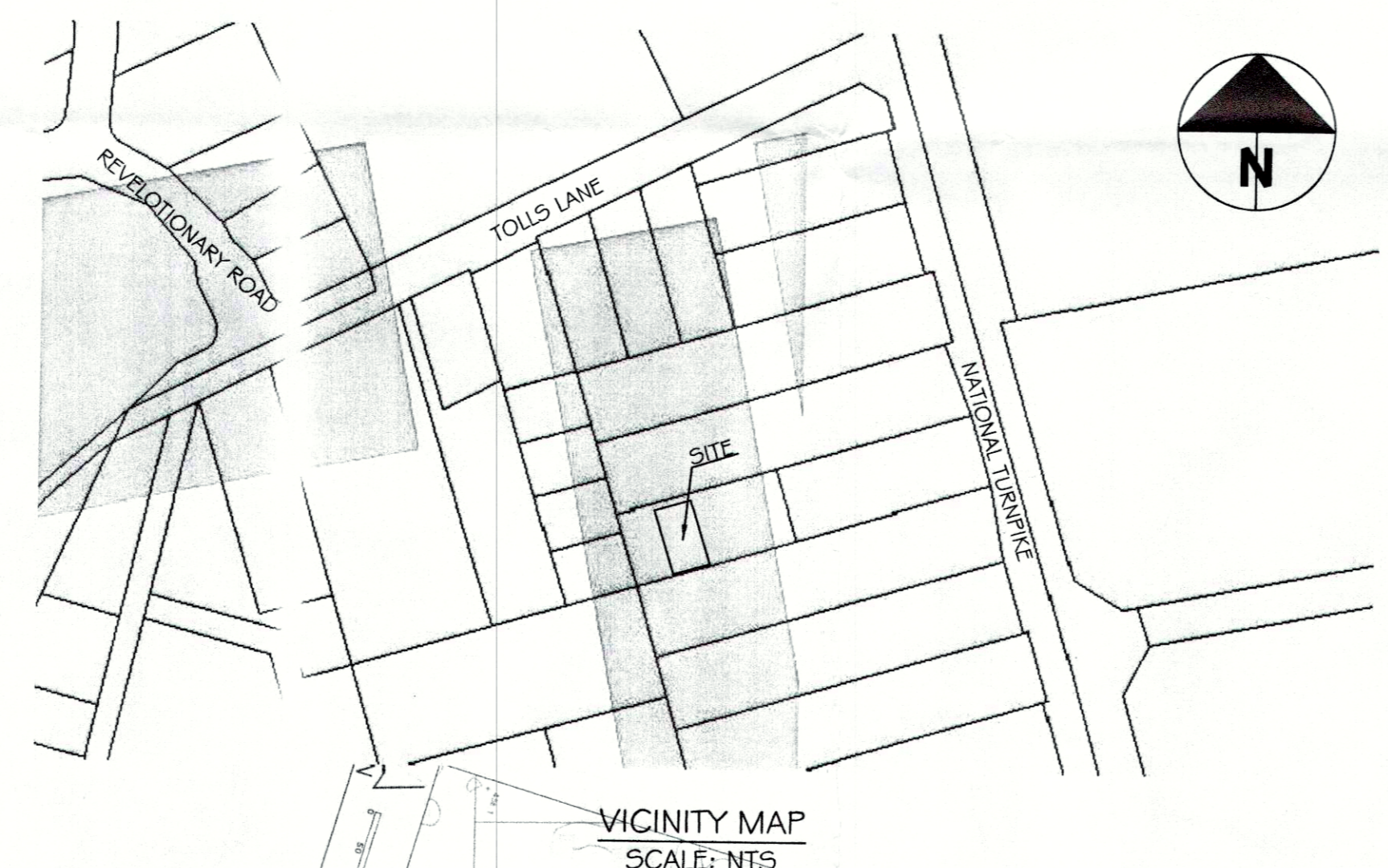
OWNER: JJJ ENTERPRISES, LLC
3529 GRAHAM ROAD
LOUISVILLE, KY 40207

DEVELOPER: AD GENERAL CONTRACTING, LLC
P.O. BOX 379
MT. WASHINGTON, KY 40047

ENGINEER: RENAISSANCE DESIGN BUILD, INC.
1012 S. 4TH STREET
LOUISVILLE, KY 40203

SITE ADDRESS: 8012 NATIONAL TURNPIKE
LOUISVILLE, KY 40214

TAX BLOCK: 1045
LOT NUMBER: 0000
ZONING: CM
FORM DISTRICT: SUBURBAN WORKPLACE
EXISTING USE: UNDEVELOPED LAND
PROPOSED USE: STORAGE BUILDING
AGREEMENT: 0.51
HEIGHT OF STRUCTURE: 25' - 6"
PARKING CALCULATIONS:
MINIMUMS: 1 SPACE/1.5 EMPLOYEES = 2 SPACES
MAXIMUMS: 1 SPACE/1 EMPLOYEES = 2 SPACES
PROPOSED: 1 PARKING SPACE + 1 HANDICAPPED SPACE = 2 SPACES
BUILDING SETBACKS:
FRONT = 0'
REAR = 50'
SIDES = 0'
FAR = 21 (4600/22351)
NUMBER OF DWELLING UNITS = 0



TREE CANOPY CALCULATIONS:

- 2 - 10" CALIPER MAPLE @ 1200 SF OF CREDIT EACH = 2400 SF
- 2 - 12" CALIPER MAPLE @ 1200 SF OF CREDIT EACH = 2400 SF
- 2 - 10" CALIPER MAPLE @ 1200 SF OF CREDIT EACH = 2400 SF
- 1 - 6" CALIPER MAPLE @ 720 SF OF CREDIT EACH = 720 SF
- 5 - 10" CALIPER HACKBERRY @ 1200 SF OF CREDIT EACH = 6000 SF
- 1 - 14" CALIPER HACKBERRY @ 1200 SF OF CREDIT EACH = 1200 SF
- 2 - 10" CALIPER HACKBERRY @ 1200 SF OF CREDIT EACH = 2400 SF
- 1 - 8" CALIPER HACKBERRY @ 720 SF OF CREDIT EACH = 720 SF
- 1 - 24" CALIPER COTTONWOOD @ 1200 SF OF CREDIT EACH = 1200 SF
- 1 - 10" CALIPER COTTONWOOD @ 1200 SF OF CREDIT EACH = 1200 SF
- 2 - 10" CALIPER ASH @ 1200 SF OF CREDIT EACH = 2400 SF

GROSS SITE AREA = 22,351 SF
TOTAL TREE CANOPY PRESERVED = 23,040 SF (103% OF TOTAL SITE)
TOTAL TREE CANOPY REQUIRED = 3,353 SF (15% OF TOTAL SITE ON A SITE THAT HAS 76% - 100% EXISTING CANOPY COVERAGE)
TOTAL REQUIRED NEW CANOPY = 0 SF (PRESERVED TREE CANOPY EXCEEDS REQUIRED TREE CANOPY)
TOTAL CANOPY PROVIDED = 23,040 SF (103%)

HYDROLOGY NOTES

TOTAL AREA 22,351 SF 0.51 ACRES
SITE DISTURBANCE AREA 22,351 SF 0.51 ACRES

PRE-CONSTRUCTION

EXISTING IMPERVIOUS AREA 10,822 SF 0.20 ACRES
EXISTING PERVIOUS AREA 13,529 SF 0.31 ACRES
2-YEAR STORM 1.03 CFS 0.08 AF
10-YEAR STORM 1.67 CFS 0.14 AF
100-YEAR STORM 2.88 CFS 0.24 AF

POST CONSTRUCTION

IMPERVIOUS AREA 16,145 SF 0.37 ACRES
PERVIOUS AREA 6,206 SF 0.14 ACRES
2-YEAR STORM 1.20 CFS 0.10 AF
10-YEAR STORM 1.84 CFS 0.16 AF
100-YEAR STORM 3.01 CFS 0.26 AF
REQUIRED DETENTION 0.00 AF

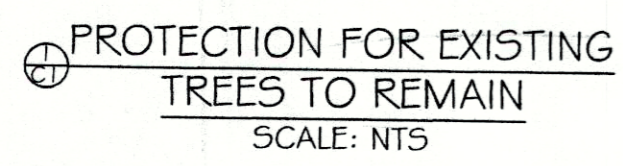
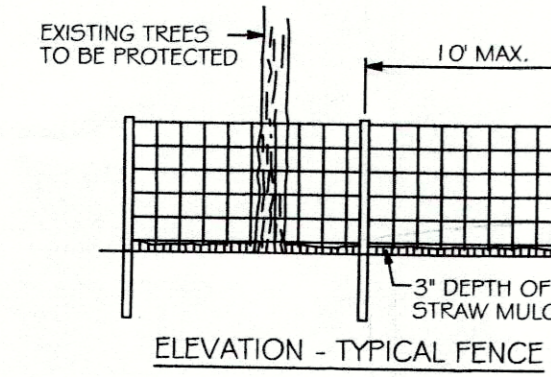
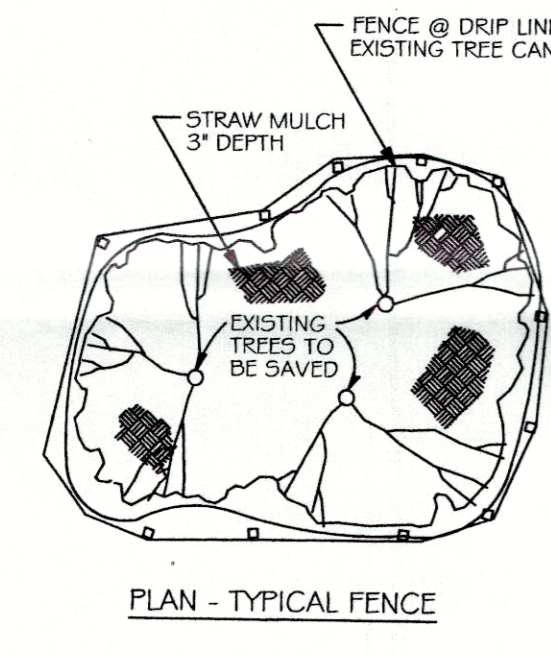
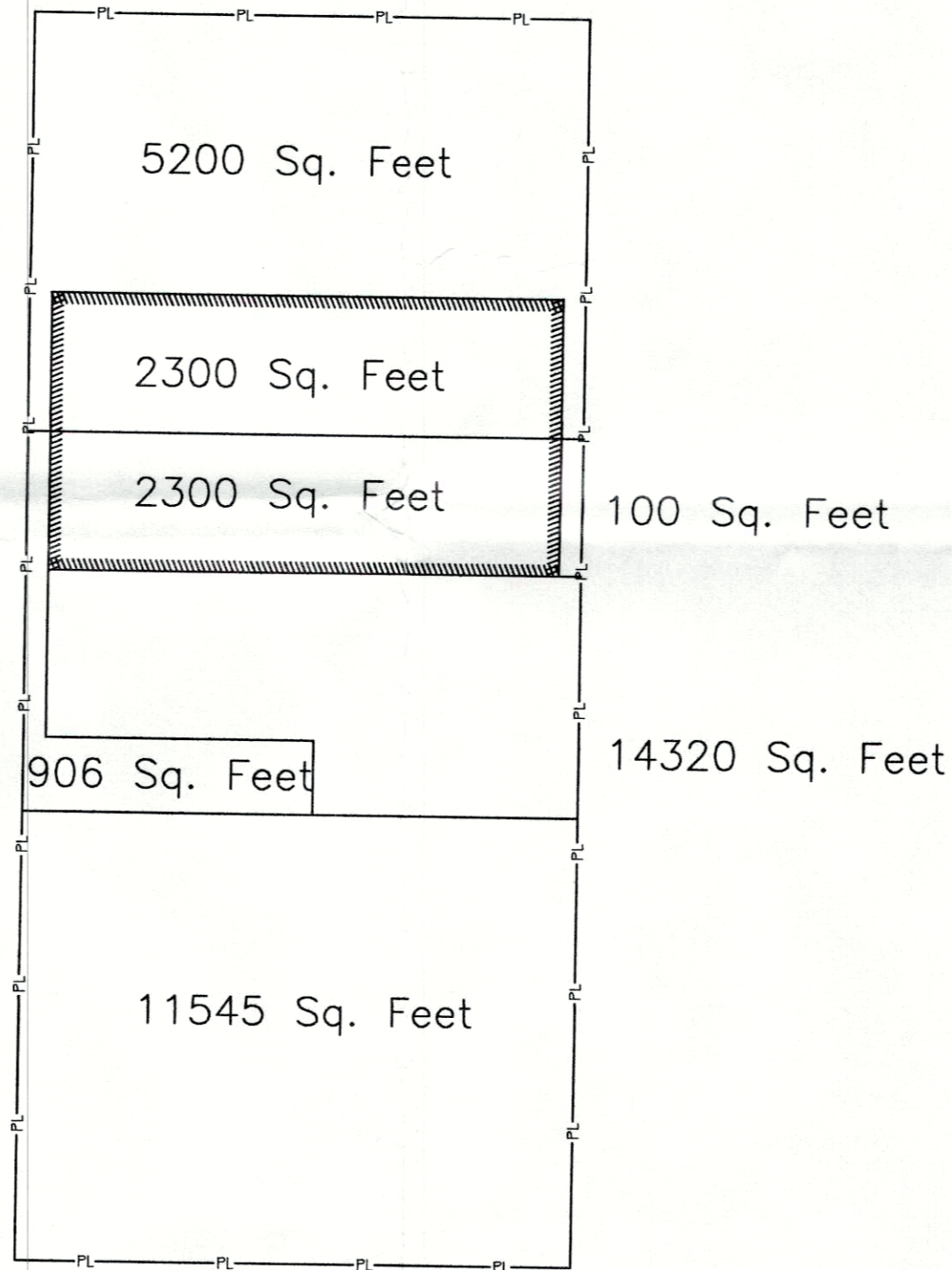
SEE HYDROCAD REPORT FOR MORE DETAILS

PRE vs. POST RUNOFF COMPARISON

DESCRIPTION	2-YR		10-YR		100-YR	
	FLOW (cfs)	VOLUME (ac-ft)	FLOW (cfs)	VOLUME (ac-ft)	FLOW (cfs)	VOLUME (ac-ft)
PRE	1.03	0.083	1.67	0.136	2.88	0.235
POST	1.02	0.102	1.84	0.156	3.01	0.258
DIFFERENCE	0.17	0.019	0.17	0.020	0.13	0.023

HYDROLOGY NOTES

TOTAL AREA 22,351 SF 0.51 ACRES
PRE-CONSTRUCTION
EXISTING IMPERVIOUS AREA 10,822 SF 0.20 ACRES
EXISTING PERVIOUS AREA 13,529 SF 0.31 ACRES
10-YEAR STORM 1.67 CFS 0.136 AF
100-YEAR STORM 2.88 CFS 0.235 AF
POST CONSTRUCTION
IMPERVIOUS AREA 11,503 SF 0.26 ACRES
PERVIOUS AREA 10,848 SF 0.25 ACRES
10-YEAR STORM 1.84 CFS 0.156 AF
100-YEAR STORM 3.01 CFS 0.258 AF
REQUIRED DETENTION 0.00 AF



NOTES:

REMOVE ALL EXISTING CONCRETE OR ASPHALT PAVING WITHIN THE LIMITS OF THE FENCED AREA. IF REMOVAL CREATES A POTENTIAL WATER POCKET, IT SHALL BE FILLED TO PROVIDE POSITIVE DRAINAGE.

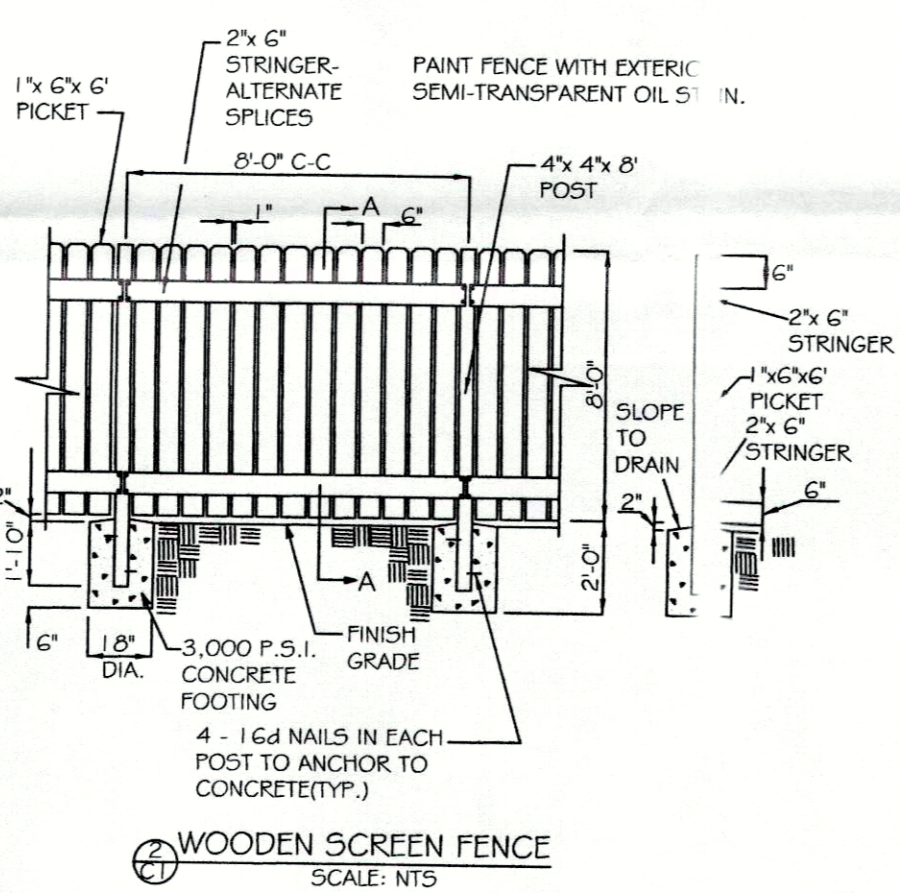
REMOVE ALL VINES FROM TREES IN BARRICADED AREA.

REMOVE DEAD OR DAMAGED LIMBS AND PAINT ALL WOUNDS WITH TREE WOUND PAINT.

FENCE SHALL BE PLACED NO MORE THAN 6" INSIDE CANOPY LINE OF EXISTING TREES.

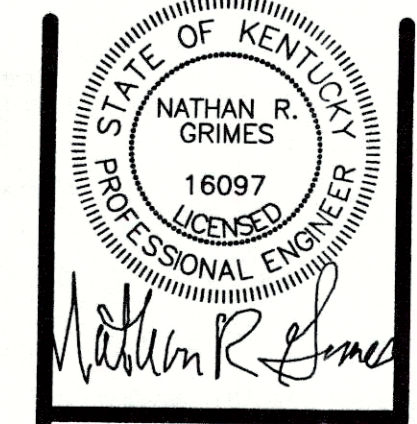
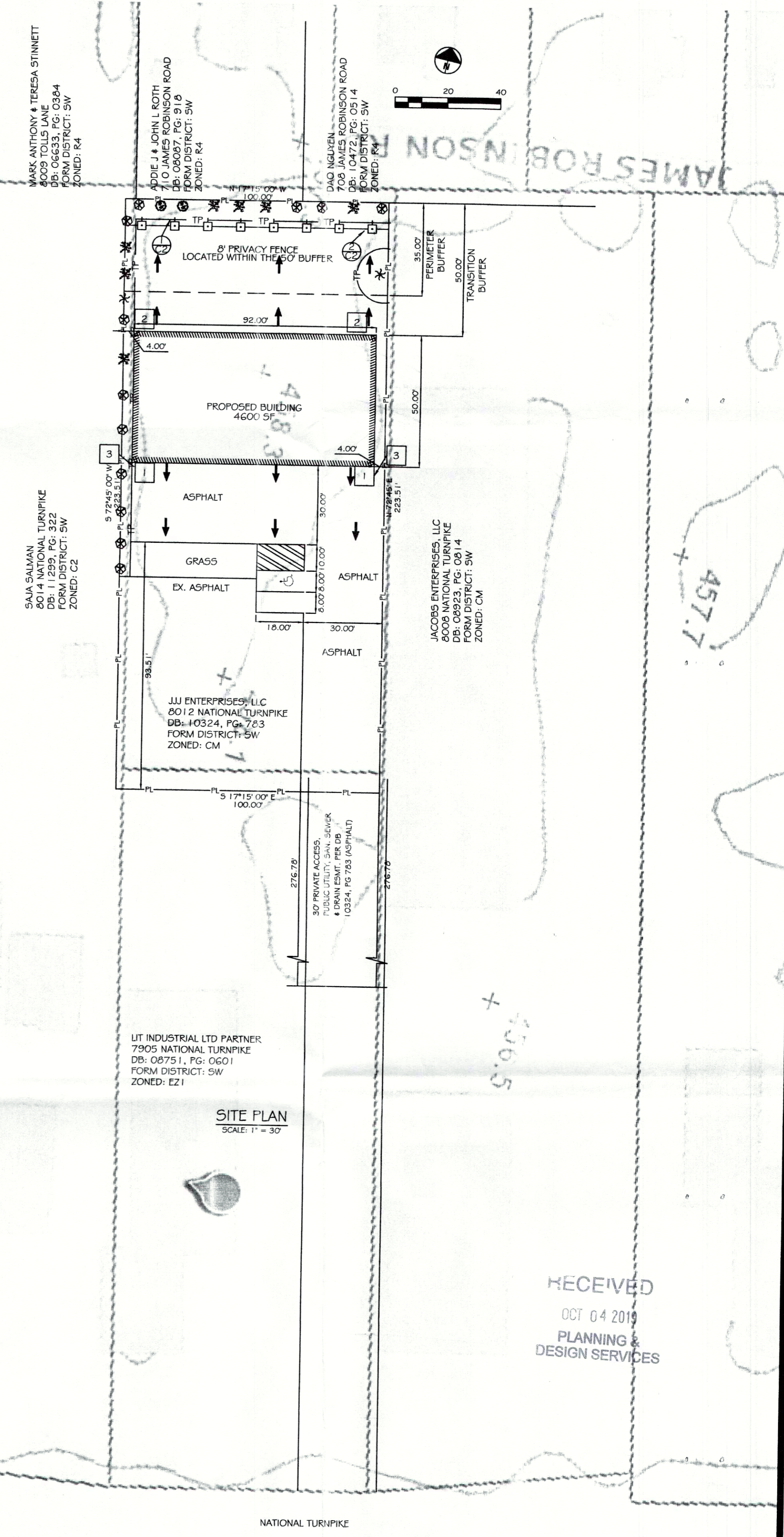
ALL TREES DESIGNATED TO BE SAVED SHALL BE PROTECTED FROM EXCAVATION FOR UNDERGROUND UTILITIES.

NO EXCAVATION SHALL TAKE PLACE WITHIN THE CANOPY LINE OF EXISTING TREES TO BE SAVED. PAINT ALL CUT ROOTS (1" DIA. AND LARGER) WITH ASPHALT BASE TREE WOUND PAINT.

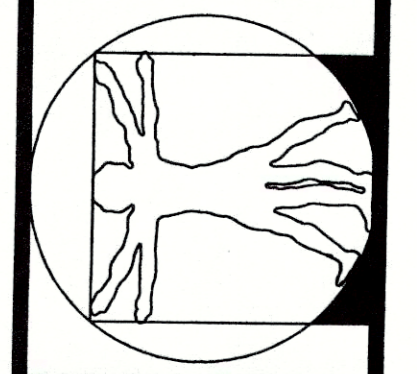


NOTICE:

The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices and quotations.



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REVISED DISTRICT DEVELOPMENT PLAN
POLE-BARN STORAGE
8012 NATIONAL TURNPIKE
LOUISVILLE, KY 40214

RECEIVED
OCT 04 2019
PLANNING & DESIGN SERVICES

DATE: 06-07-2019
DRAWN BY: BAS
CHECKED BY: N. GRIMES
APPROVED BY: N. GRIMES

REVISIONS:
* 07-19-2019
* 08-03-2019
* 09-24-2019

SCALE: AS NOTED
JOB NO.: 2019-364

SHEET NUMBER:
CI
19-DDP-0022
WM#9999