

YOUNGSVILLE DAIQUIRI

FOR

COPELL PROPERTIES

JANUARY 2025

CODE CONFORMANCE

SITE DESIGN CRITERIA

Applicable Codes:
IBC 15, ASCE 7-10

Loads:
Roof Live Load: 20 psf (IBC Table 1607.1, reducible per 1607.12)
Roof Snow Load: 0 psf (IBC Figure 1608.2)
Floor Live Load: 100 psf business/mercantile/assembly, 40 psf vehicular (IBC Table 1607.1)
Collateral Load: 3 psf

Risk Category
ASCE 7-10 (Table 1.5.1-1): Risk Category II

Seismic Design Data (does not govern design):
Site Class: D
Seismic Importance Factor: 1.00
Mapped Spectral Response for 30.0/75° N, -92.1229°W: S_s = .089g, S₁ = .049g
Spectral Response and Site Coefficients: F_p=1.6, F_v=2.4, S_{ds}=.095, S_{d1}=.079

Seismic Design Category: B
Seismic Force-Resisting System: Light-Frame (wood) w/wood shear panels exterior WSP, gypsum board panels
Base Shear: 3.350V (R=6.5 WSP/2 GB, C=0.0475, I=1, S_{ds}=.095) – Equivalent Lateral Force Procedure
Analysis Procedure Utilized: Alternative Simplified Design (ASCE 12.14)

Wind Design Data (governs design):
IBC and ASCE 7-10 MWFRS – Envelope Procedure
Vel: 135* mph (basic wind speed 3-sec peak gust)
Vel: 105 mph (basic wind speed 3-sec peak gust)
Exposure: C (all directions)
Internal Pressure Coefficients (Enclosed Building) = +/-0.18
Roof Pitch: 4:12 (18.4°)

Flood Hazard Zone:
This building is to be located in Zone X (DFIRM 22113C0223F), defined as areas outside the 500-year flood plain.
The Local Flood Plain Administrator shall verify*.

Flood Zone Documentation:
N/A

* Local permit authority having jurisdiction shall verify. More stringent shall apply.

BUILDING COMPONENTS AND CLADDING												
WIND ZONE	4:12		10		20		50		100		500	
	Roof	Walls	Roof	Walls	Roof	Walls	Roof	Walls	Roof	Walls	Roof	Walls
1	+23	+21	+19	+16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2	+23	+21	+19	+16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	+23	+21	+19	+16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4	+40	+38	+36	+34	+30	+30	+30	+30	+30	+30	+30	+30
5	+54	+50	+46	+42	+33	+33	+33	+33	+33	+33	+33	+33

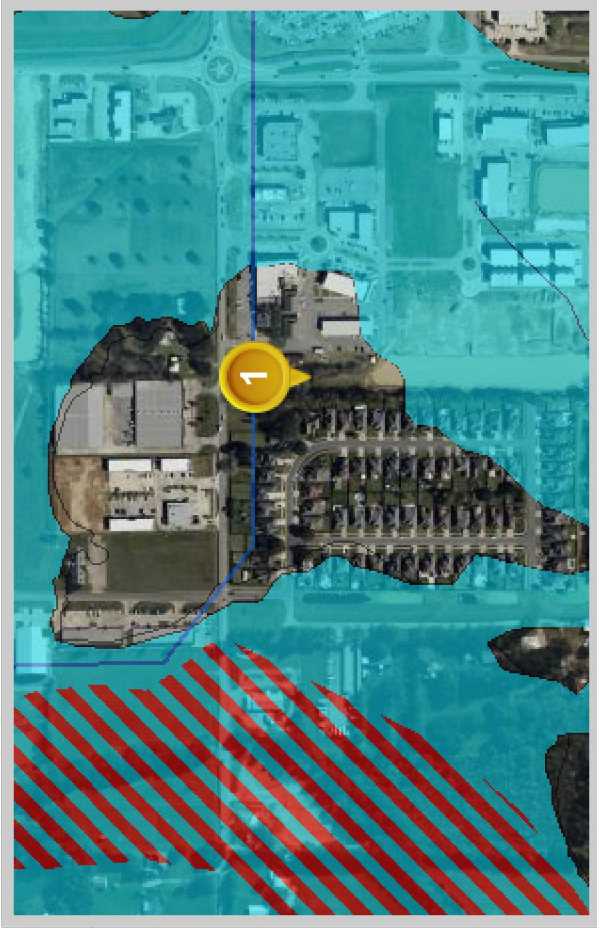


PLANS FOR

FOR



Louisiana Flood Map Copell Properties



Flood information in this table is from the: Effective FIRM

Point	Panel ID	Flood Zone	BFE	Ground Elevation	LOWR
1	220550Q250J 12212018	X-AREA OF MINIMAL FLOOD HAZARD	out	24.7	N/A

FEMA FIRM PANEL
N.T.S.

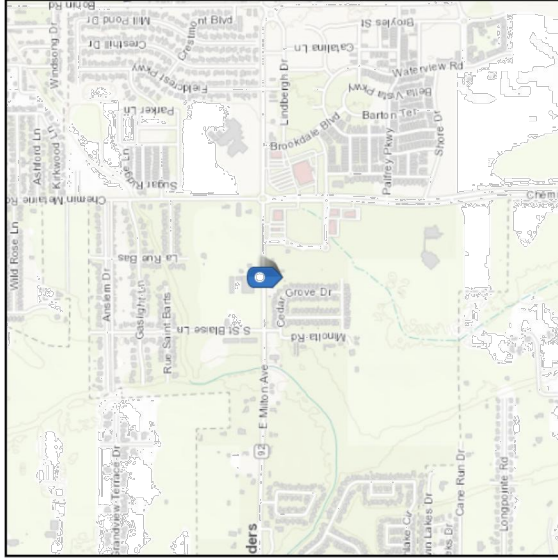
THIS SET OF PLANS SHALL NOT BE UTILIZED FOR CONSTRUCTION OR ACQUISITION OF MATERIALS OR PROPERTY PRIOR TO THE G.C./OWNER OBTAINING ALL NECESSARY STATE AND LOCAL PERMITS (LOCAL, STATE, FEDERAL, DOT, AISC, ASEA, ETC).

STAPLES ENGINEERING & CONSULTING, L.L.C.
CIVIL ENGINEERING, PROJECT MANAGEMENT & SITE SERVICES



ASCE Hazards Report

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)
Latitude: 30.108472
Longitude: -92.018695
Elevation: 24.88967378160042 ft (NAVD 88)



Wind

Results:	Wind Speed	133 Vmph
	10-year MRI	76 Vmph
	25-year MRI	87 Vmph
	50-year MRI	98 Vmph
	100-year MRI	107 Vmph

Data Source: Mon Feb 03 2025
Date Accessed: Mon Feb 03 2025
Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-16 Standard. Wind speeds are provided for a 10% probability of exceedance in 2 years (annual exceedance probability = 0.00143, MRI = 700 years).

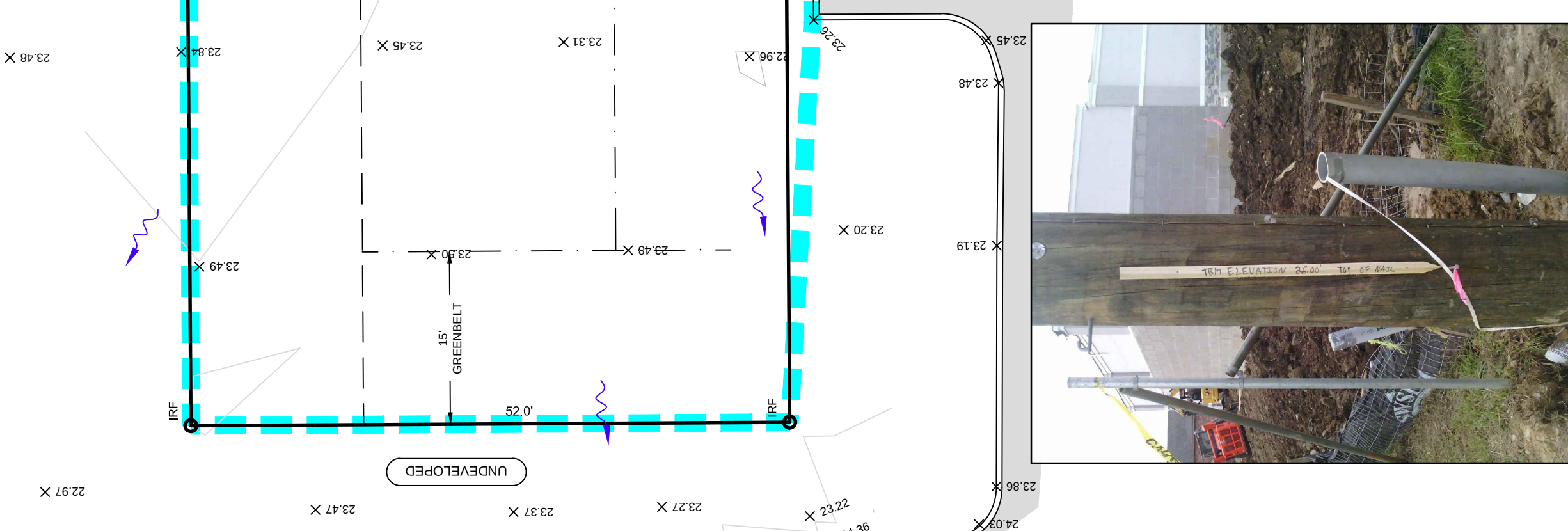
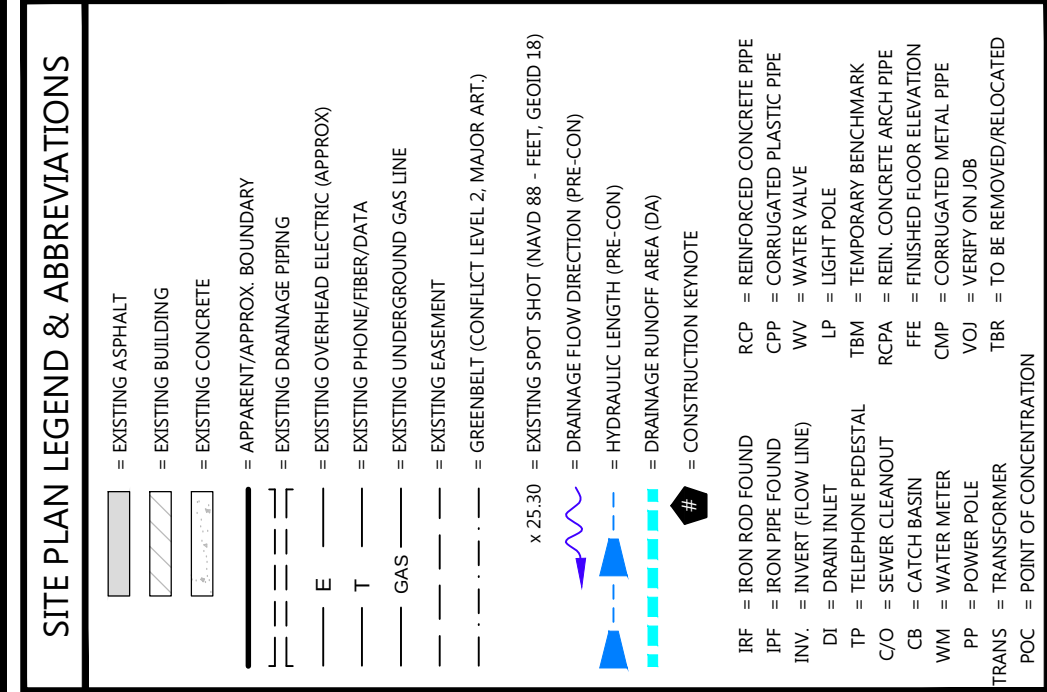
Site is in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

WIND SPEED MAP

LOCAL WIND LOADING CRITERIA SHALL BE USED WHEN IT EXCEEDS ASCE 7-16 DEPICTED HERE (PER LOCAL PERMITTING AUTHORITY)

VICINITY MAP
SCALE = N.T.S.





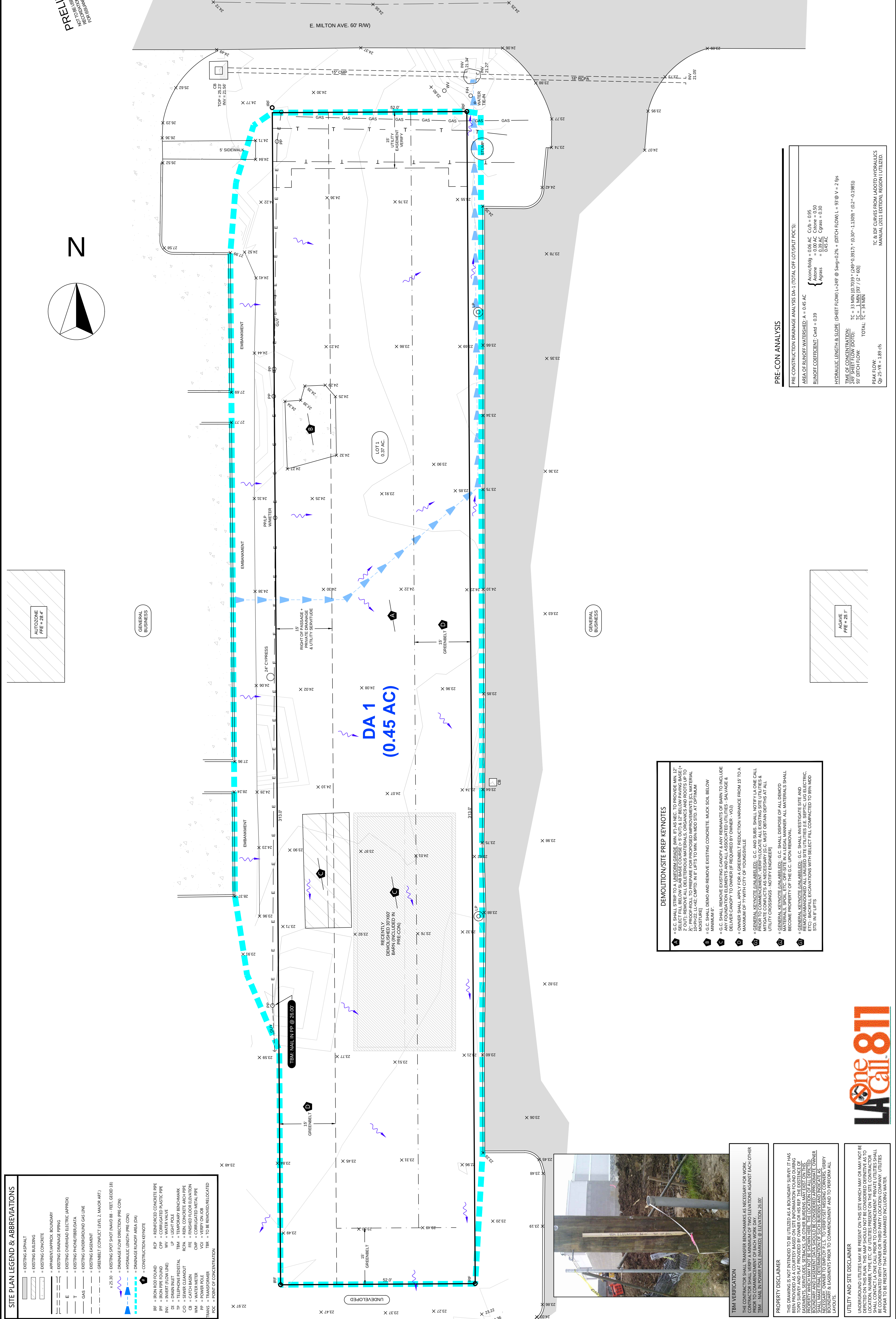
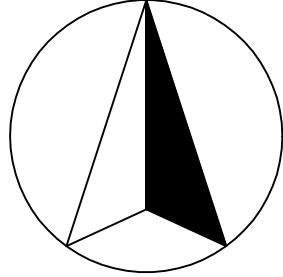
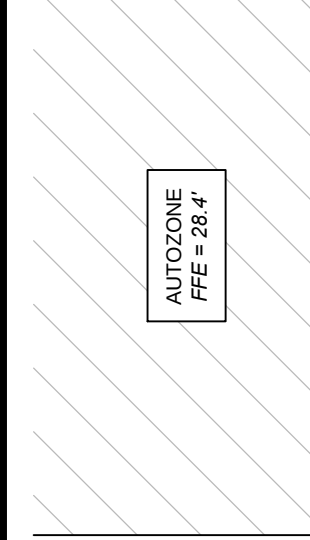
THE CONTRACTOR SHALL TRANSFER BENCHMARKS AS NECESSARY FOR WORK.
CONTRACTOR SHALL VERIFY A MINIMUM OF TWO ELEVATIONS AGAINST EACH OTHER
PRIOR TO COMMENCEMENT OF EACH WORK DAY.
TBM - NAIL IN POWER POLE (MARKED) @ ELEVATION 26.00'

PROPERTY DISCLAIMER

THIS DRAWING IS NOT INTENDED TO BE UTILIZED AS A BOUNDARY SURVEY. IT HAS BEEN PROVIDED AS A COURTESY BASED ON THE INFORMATION FURNISHED DURING THE COURSE OF THE SURVEY. THE INFORMATION FURNISHED MAY BE SUBJECT TO CHANGE. THE INFORMATION FURNISHED IS NOT TO BE USED FOR EASEMENTS, SERVITUDES, SETBACKS, OR OTHER PURPOSES MAY EXIST ON THE PROPERTY WHICH MAY NOT BE SHOWN HERE. THE LOCATION OF ALL DEPICTED BOUNDARY AND EASEMENT DATA SHOULD BE CONSIDERED APPROXIMATE. OWNERS SHALL MAKE FINAL DETERMINATION OF SUCH BOUNDARIES AND INDICATE AS NECESSARY. OWNER TO EMPLOY P.L.S. TO VERIFY/SET MISSING CORNERS, VERIFY BOUNDARY & EASEMENTS PRIOR TO COMMENCEMENT AND TO PERFORM ALL LAYOUTS.

UTILITY AND SITE DISCLAIMER

UNDERGROUND UTILITIES MAY BE PRESENT ON THIS SITE WHICH MAY OR MAY NOT BE DEPICTED ON THIS PLAN. THIS MAP SHOULD NOT BE CONSIDERED DEFINITIVE AS TO LOCATION, NUMBER, TYPE ETC. OF UTILITIES PRESENT ON THE SITE. CONTRACTOR SHALL CONTACT LA ONE CALL PRIOR TO COMMENCEMENT. PRIVATE UTILITIES SHALL BE COORDINATED WITH OWNER OR THIRD PARTY LOCATION COMPANY. UTILITIES APPEAR TO BE PRESENT THAT REMAIN UNMARKED INCLUDING WATER.



DEMOLITION/SITE PREP KEYNOTES

- [illegible]

PRE-CON ANALYSIS

PRE-CONSTRUCTION DRAINAGE ANALYSIS DA-1 (TOTAL OFF LOT SPLIT POC'S):

AREA OF RUNOFF WATERSHED: A = 0.45 AC

$\left\{ \begin{array}{l} \text{Aconc/bldg} = 0.06 \text{ AC} \\ \text{Astone} = 0.00 \text{ AC} \\ \text{Agrass} = 0.39 \text{ AC} \end{array} \right. \quad \begin{array}{l} \text{C/b} = 0.95 \\ \text{Cstone} = 0.50 \\ \text{Cgrass} = 0.30 \end{array}$

RUNOFF COEFFICIENT: Cwtd = 0.39

0.45 AC

HYDRAULIC LENGTH & SLOPE: (SHEET FLOW) L=249' @ Savo=0.2% + (DITCH FLOW) L = 93' @ V = 2 ft/s

TIME OF CONCENTRATION:
249' SHEET FLOW (DOTD):
 $TC = 33 \text{ MIN } [(0.7039 * (249^{0.6} \cdot 0.3917) * (0.30^{0.4} \cdot 1.1309) * (0.2^{0.4} \cdot 0.1985))]$
93' DITCH FLOW:
 $TC = 1 \text{ MIN } (0.3^{1/3} / (2 * 60))$

PEAK FLOW:
Qp 25-YR = 1.89 cfs

TOTAL TC = 34 MIN

TC & IDF CURVES FROM LADOTD HYDRAULICS
MANUAL (2011 EDITION), REGION I UTILIZED.

PROJECT NO.
25-00x

DATE 1/10/25

SCALE
3/32" = 1'

EXISTING
SITE

20

YOUNGSVILLE DAQUIRI
FOR
JENNIFER COPELL

STAPLES ENGINEERING & CONSULTING, L.L.C.
CIVIL ENGINEERING, PROJECT MANAGEMENT & SITE SERVICES

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PHONE: (337) 446-1071
EMAIL: CHANDLERSTAPLES@GMAIL.COM

2800 E. MILTON AVENUE, YOUNGSVILLE, LA 70592

[illegible]

YOUNGSHVILLE DAQUIRI
FOR
JENNIFER COPELL

2800 E. MILTON AVENUE, YOUNGSHVILLE, LA 70592

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STATE OF LOUISIANA
PROFESSIONAL ENGINEER
JENNIFER COPELL
NO. 1314
EXPIRATION DATE 12/31/2025
NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF THE ENGINEER
FOR SIGNATURE OF PROJECT

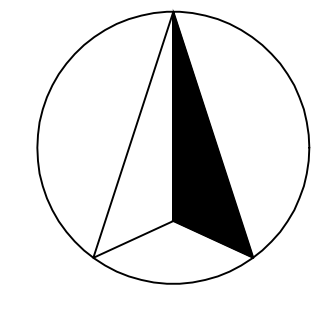
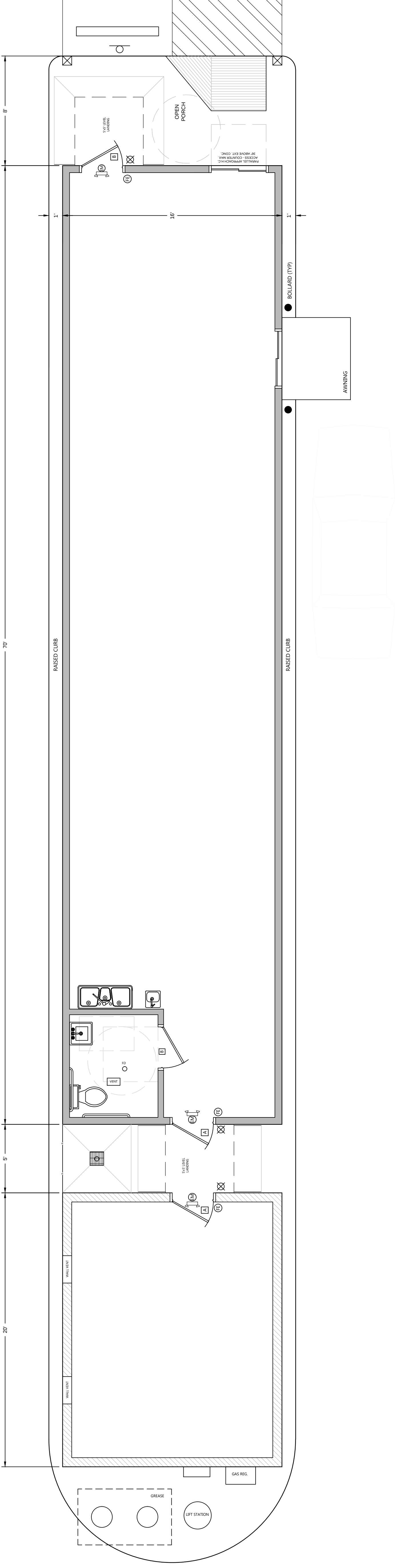
1/10/25

PRELIMINARY

NOT TO BE USED FOR CONSTRUCTION

FOR REFERENCE OF PROJECT

PROJECT NO.	25-00x
DATE	1/10/25
SCALE	1/4" = 1'
WHEN PRINTED @ 24x36"	
FLOOR PLAN	C6



- FLOOR PLAN LEGEND**
- ☑ = PROPOSED 5# FIRE EXTINGUISHER (2A:10B:C)
 - ☑ = PROPOSED EXIT MARKER W/DIRECTION ARROWS
 - ☑ = PROPOSED DUAL EXIT MARKER & EMER. FLOOD LIGHTS
 - ☑ = NEW STUD WALL (2X6 WOOD STUDS @ 16")
 - ☑ = COOLERS (VERIFY PRIOR)
 - ☑ = 1-HR FIRE BARRIER (UL 0379)
 - ☑ = PROPOSED INTERIOR EMERGENCY LIGHT
 - ☑ = OPENING DESIGNATION
 - ☑ = NEW H/L/O BOLLARD (ADA)
 - ☑ = RESTROOM
 - ☑ = FLOOR DRAIN WITH ADA SWEEP
 - ☑ = FLOOR SINK (PER LPH)
 - ☑ = PIPE BOLLARD