PROJECT DESCRIPTION

INSTALLATION OF (2) OMNI ANTENNAS, (3) ENCLOSED DIPOLE ANTENNAS, (2) MICROWAVE DISHES, COAXÍAL CABLES, AND ASSOCIATED MOUNTS ON A NEW 195' MONOPOLE.

INSTALLATION OF A 11'-8" \times 30'-0" unmanned equipment shelter with an internal diesel generator on concrete foundation and NEW CABLE ICE BRIDGE TO NEW MONOPOLE.

NEW ELECTRIC SERVICE TO SITE AND EQUIPMENT SHELTER. NO WATER SUPPLY OR SEWAGE TO/FROM THE SITE.

SITE NAME:

FIRE STATION 16

SITE ADDRESS: 111 E UNIVERSITY BLVD SILVER SPRING, MD 20901

SITE COORDINATES

LATITUDE - APPROX. N 39° 01' 0.63" LONGITUDE - APPROX. W 77° 00' 25.38"

SITE INFORMATION

<u>LANDLORD</u>

SILVER SPRING VOLUNTEER FIRE DEPARTMENT INC

111 E UNIVERSITY BLVD SILVER SPRING, MD 20901

<u>APPLICANT</u>

JUDY MILLER PSSM RADIO SYSTEM INFRASTRUCTURE PROJECT DEPARTMENT OF TECHNOLOGIES SERVICES

MONTGOMERY COUNTY PH: (240) 773-7214

CONTACT

RYAN GLOVER MOTOROLA SOLUTIONS PH: (443) 250-6085

PROJECT MANAGER

PYRAMID NETWORK SERVICES, LLC RUSSELL BLACK

PH: (404) 394-4445 EMAIL: RBLACK@PYRAMIDNS.COM

ARCHITECTURAL AND ENGINEERING

MISSION 1 COMMUNICATIONS SCOTT HARTMAN 6202 CONSTITUTION DRIVE, SUITE C FORT WAYNE, IN 46804 EMAIL: SHARTMAN@M1COMM.COM

CONSULTANT TEAM

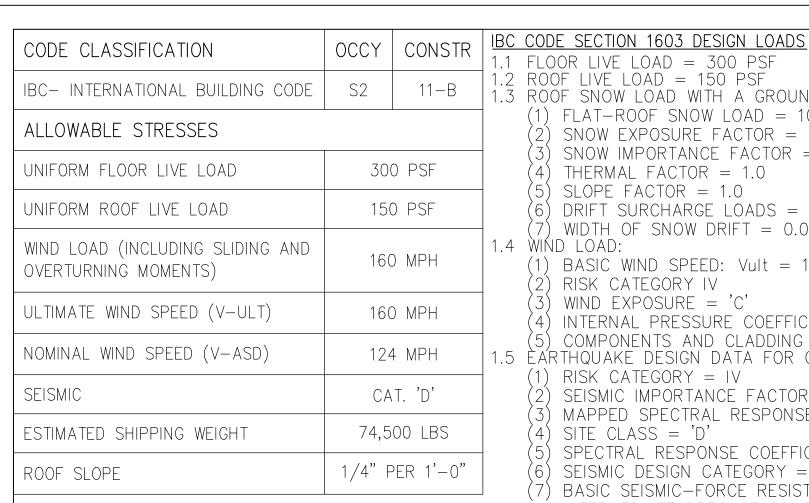
MONTCOMEDY COUNTY	RECEIVED :
MONTGOMERY COUNTY REPRESENTATIVE :	ACCEPTED :
MOTOROLA :	RECEIVED :
	ACCEPTED :
PROPERTY OWNER:	RECEIVED :
	ACCEPTED :

RECEIVED AND ACCEPTED



DIRECTIONS TO SITE

1	01-31-20	FOREST CONSERVATION PLAN	SAH	SAH	
0	12-16-19	CONSTRUCTION DRAWINGS	JRF	SAH	
F	12-16-19	CONSTRUCTION DRAWING REVIEW	JRF	SAH	
Е	11-26-19	CONSTRUCTION DRAWING REVIEW	JRF	SAH	
D	10-11-19	REVISED ZONING DRAWING REVIEW	JRF	SAH	
NO.	DATE	REVISIONS	BY	CHK	APP'D



DOOR HAS A MANUFACTURER FIRE RATING OF 3 HOURS & LEVEL 4 BULLET RESISTANT.

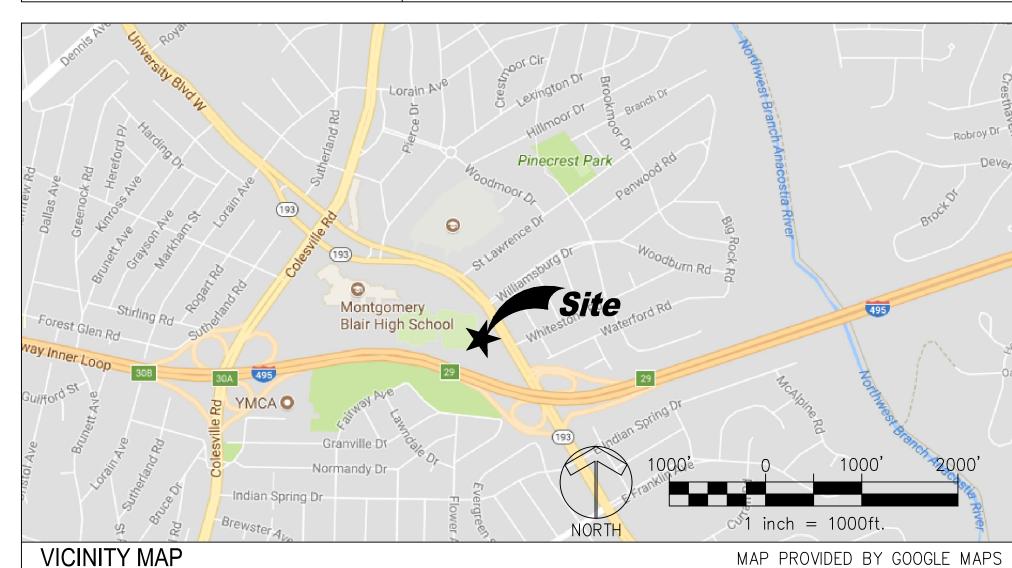
FLOOR LIVE LOAD = 300 PSF ROOF LIVE LOAD = 150 PSF

- ROOF SNOW LOAD WITH A GROUND SNOW LOAD OF 119 PSF
- (1) FLAT-ROOF SNOW LOAD = 100 PSF
- SNOW EXPOSURE FACTOR = 1.0SNOW IMPORTANCE FACTOR = 1.2
-) THERMAL FACTOR = 1.0
-) SLOPE FACTOR = 1.0 DRIFT SURCHARGE LOADS = 0.0
- WIDTH OF SNOW DRIFT = 0.0
- BASIC WIND SPEED: Vult = 160 MPH (3 SECOND GUST) Vasd = 124 MPH RISK CATEGORY IV
- WIND EXPOSURE = 'C'
- $\frac{1}{2}$ INTERNAL PRESSURE COEFFICIENT = N/A COMPONENTS AND CLADDING = -57.9 PSF, +47.4 PSF (USD) ÈÁRTHQUAKE DESIGN DATA FOR CONCRETE SHÉLTERS
- RISK CATEGORY = IVSEISMIC IMPORTANCE FACTOR = 1.5
- MAPPED SPECTRAL RESPONSE ACCELERATIONS, SS = 1.85 AND S1 = 0.5
-) SITE CLASS = 'D' SPECTRAL RESPONSE COEFFICIENTS SDS = 1.24, SD1 = 0.5
- SEISMIC DESIGN CATEGORY = DBASIC SEISMIC-FORCE RESISTING SYSTEM = (BEARING WALL SYSTEM W/
- 8) DESIGN BASE SHEAR = 49.1 KIPS SEISMIC RESPONSE COEFFICIENT, CS = .465 FOR Ie=1.5

INTERMEDIATE PRECAST CONCRETE SHEAR WALLS)

- 0) RESPONSE MODIFICATION FACTOR, R. = 4.0 1) ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE 1.9 ROÓF RAIN LOAD DATA
- (1) RAIN INTENSITY = N/APRIMARY DRAINAGE IS SHEET FLOW OVER EAVES, NOT SUBJECT TO BLOCKAGE. ROOF IS NOT SUSCEPTIBLE TO PONDING.

SHELTER CODE SPECIFICATIONS







FIRE STATION 16

FOREST CONSERVATION PLAN AMENDMENT PLAN NUMBER MR1995007

> 111 E UNIVERSITY BLVD. SILVER SPRING, MD 20901 MONTGOMERY COUNTY

DRAWING INDEX

MR1995007 T-1 PROJECT INFORMATION, LOCATION MAPS, AND DRAWING INDEX

SITE LOCATION PLAN MR1995007 C-1 MR1995007 C-2 OVERALL SITE PLAN MR1995007 C-3 **ENLARGED SITE PLAN**

DEVELOPER'S CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest including, financial bonding, Conservation Plan No. forest planting, maintenance, and all other applicable agreements.

Printed Company Name

Developer's Name:

Contact Person or Owner:

Address:

Phone and Email

Signature:



811 CALL MISS UTILITY TOLL FREE 1-800-257-7777 OR OUTSIDE MARYLAND

T-1

'ROFESSIONAL CERTIFICATION: I HEREBY CERTIF HAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY ICENSED AND PROFESSIONAL ENGINEER UNDER HE LAWS OF THE STATE OF MARYLAND, ICENSE NO. 48984, EXPIRATION DATE 03/14/20

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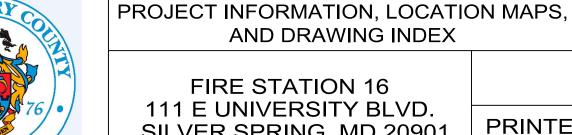
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FIRE STATION 16 111 E UNIVERSITY BLVD.

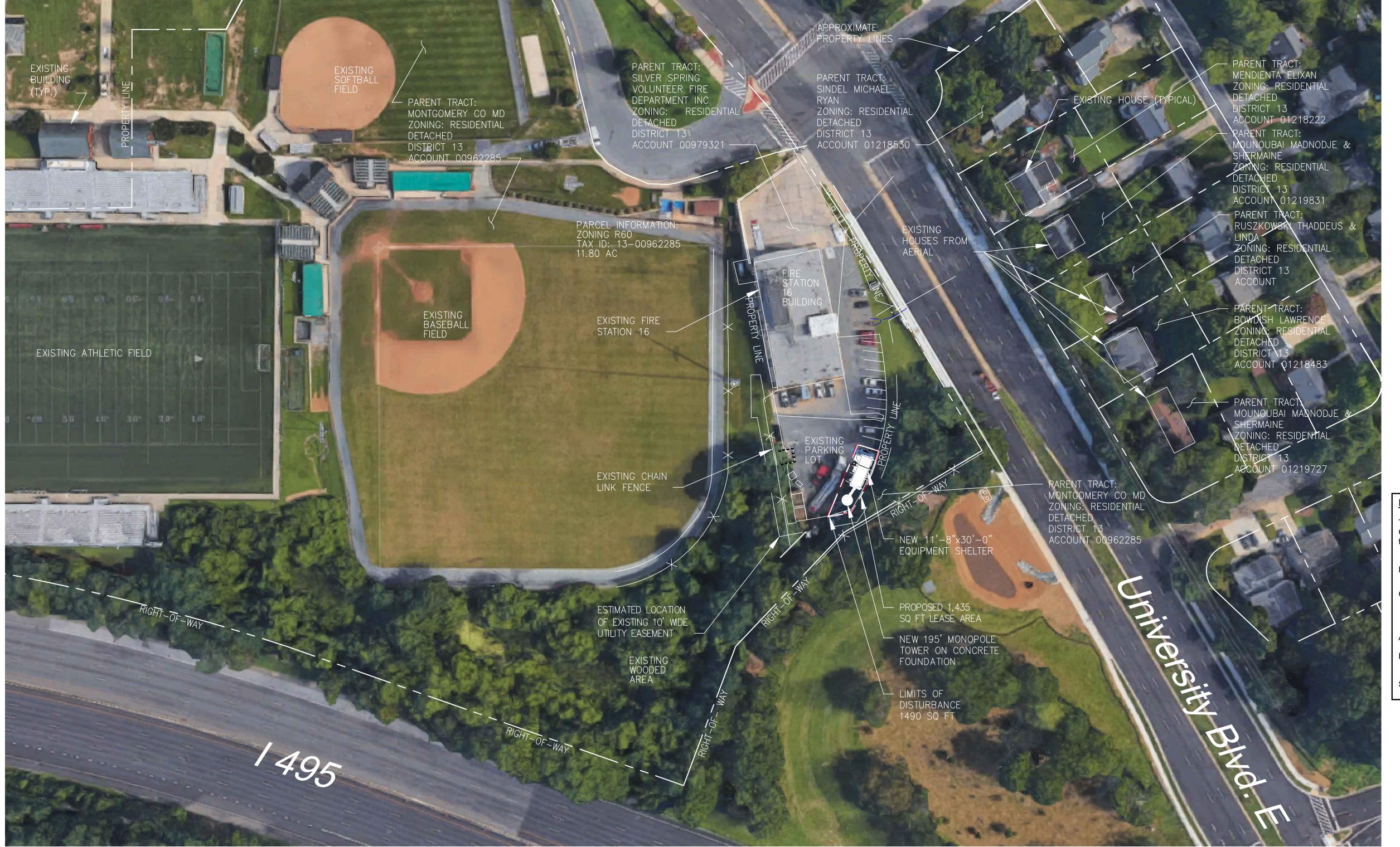
SILVER SPRING, MD 20901

AND DRAWING INDEX

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HIS DOCUMENT.



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DEVELOPER'S CERTIFICATE

The Undersigned agrees to execute all the features of the Approved Final Forest Conservation Plan No. ______ including, financial bonding, Conservation Plan No. forest planting, maintenance, and all other applicable agreements.

Developer's Name: Printed Company Name

Contact Person or Owner: Printed Name

Address:

Phone and Emai

Signature:

Know what's below.

Call before you dig.

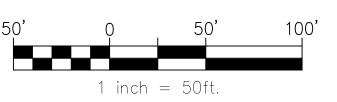
811 CALL MISS UTILITY TOLL FREE 1-800-257-7777 or outside maryland

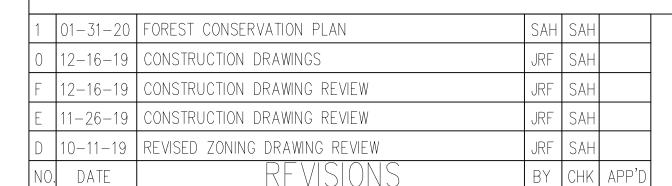
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LICENSED AND PROFESSIONAL ENGINEER UNDER
THE LAWS OF THE STATE OF MARYLAND,

LICENSE NO. 48984, EXPIRATION DATE Ó3/14/20

Site Location Plan















SITE LOCATION PLAN

FIRE STATION 16

111 E UNIVERSITY BLVD.

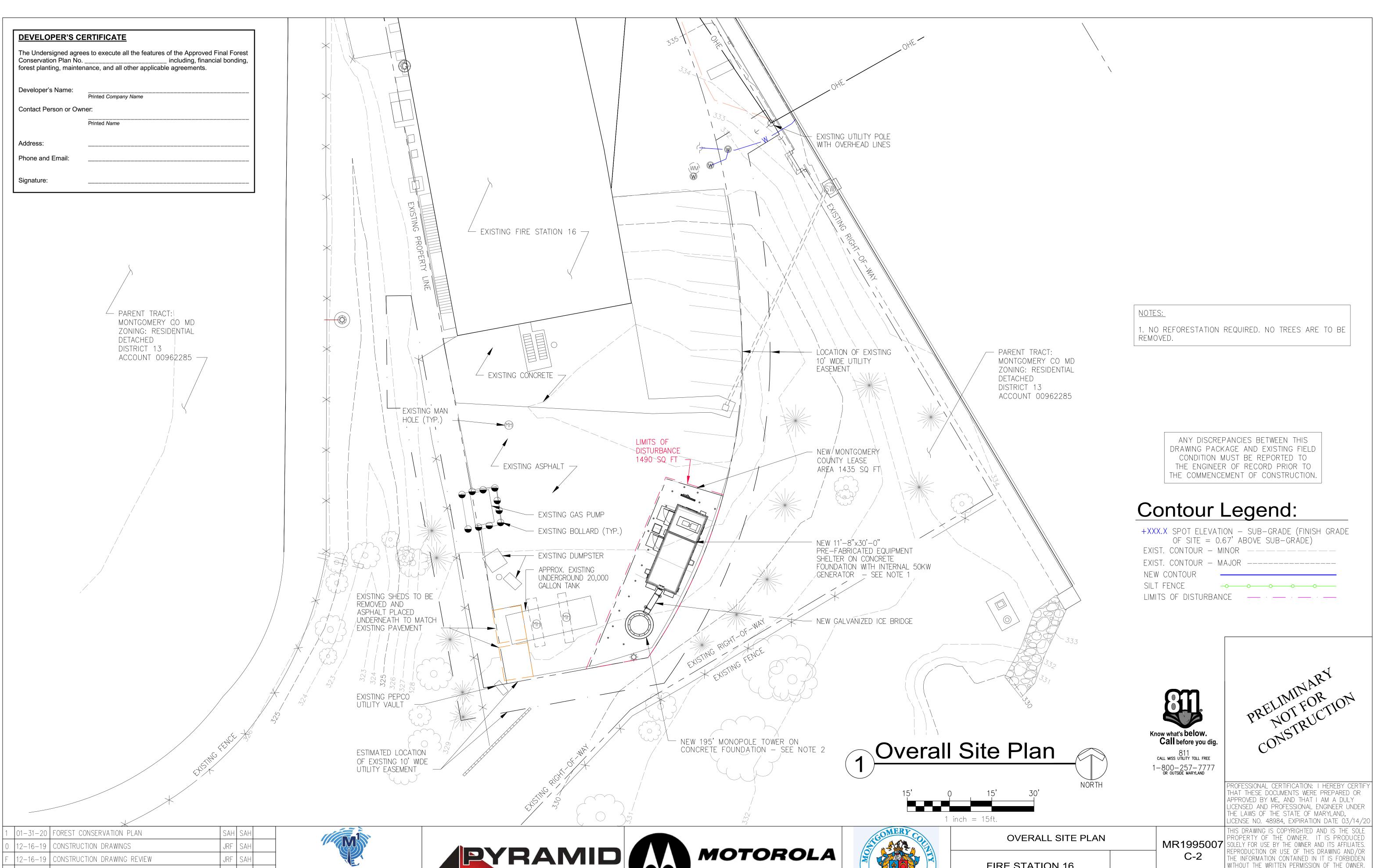
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6202 Constitution Drive, Suite C

MISSION 1

11-26-19 | CONSTRUCTION DRAWING REVIEW

10-11-19 REVISED ZONING DRAWING REVIEW

REVISIONS





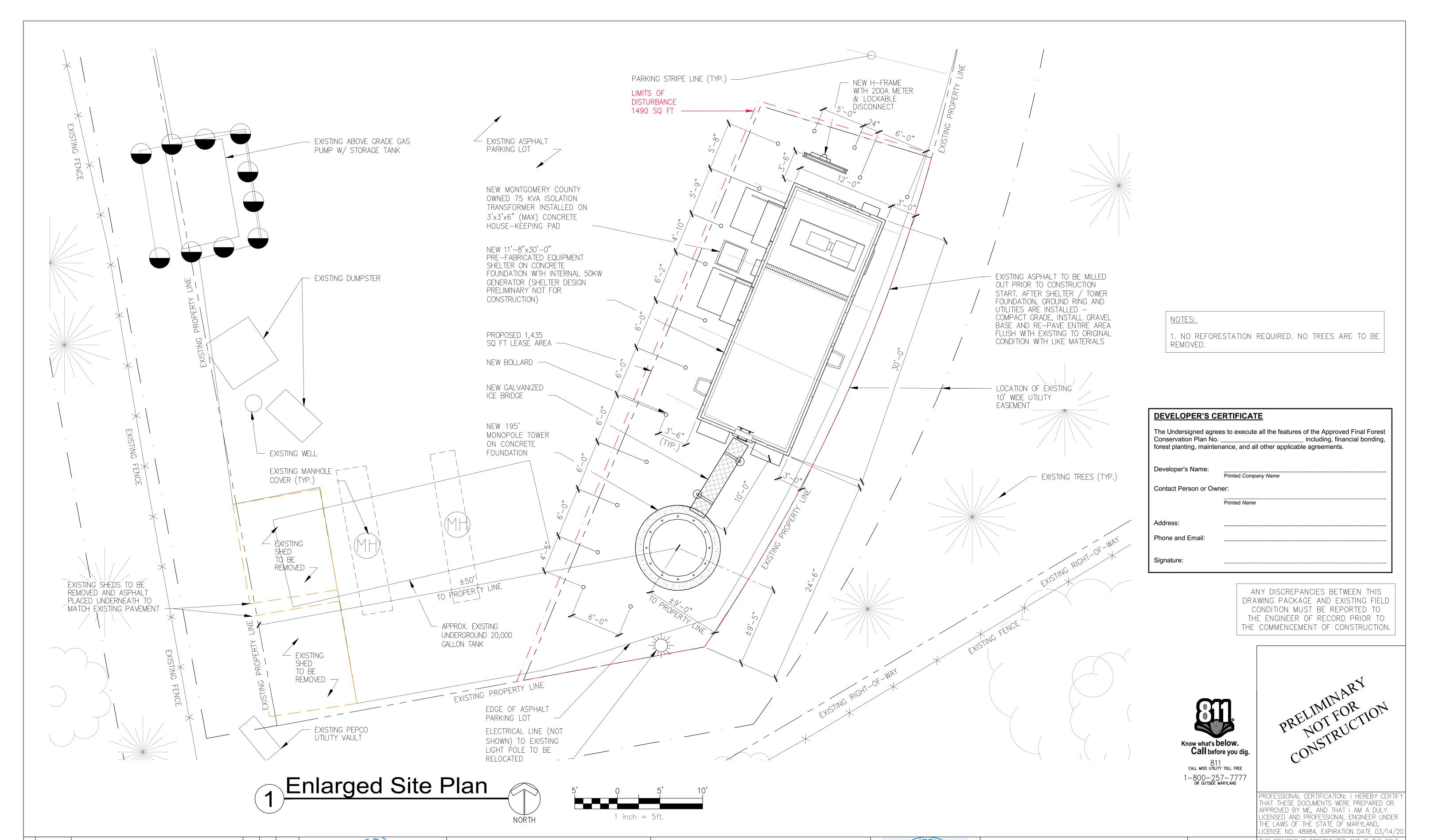


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1 01-31-20 FOREST CONSERVATION PLAN

0 12-16-19 CONSTRUCTION DRAWINGS

F 12-16-19 CONSTRUCTION DRAWING REVIEW

E 11-26-19 CONSTRUCTION DRAWING REVIEW

D 10-11-19 REVISED ZONING DRAWING REVIEW

D TO THE DEVISED TO THE









ENLARGED SITE PLAN

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