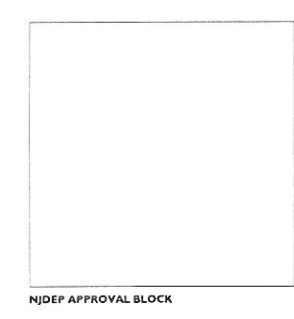




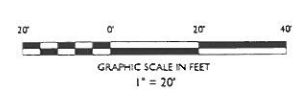
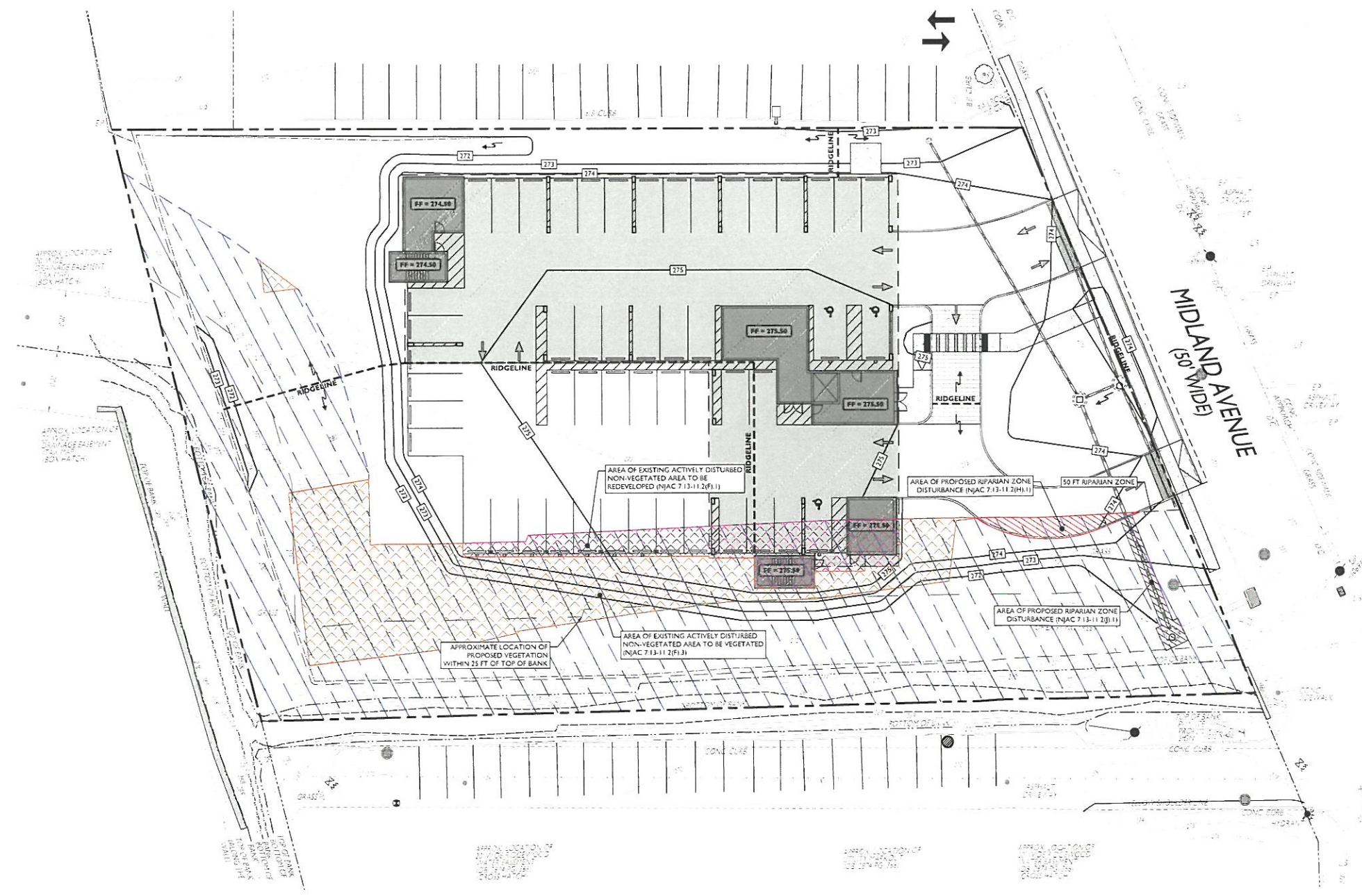
- FLOOD HAZARD AREA NOTES:**
1. ALL OR A PORTION OF THIS SITE LIES IN A FLOOD HAZARD AREA. CERTAIN ACTIVITIES IN FLOOD HAZARD AREAS ARE REGULATED BY THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SOME ACTIVITIES MAY BE PROHIBITED ON THIS SITE OR MAY FIRST REQUIRE A PERMIT. CONTACT THE DIVISION OF LAND USE REGULATION AT (609) 292-0060 FOR MORE INFORMATION PRIOR TO ANY CONSTRUCTION ON SITE.
  2. THERE ARE RIPARIAN ZONES ON SITE.
  3. THERE ARE FLOODWAYS ON SITE.
  4. A PORTION OF THIS SITE IS IN A FLOOD HAZARD AREA.
    - 4.1. NJDEP FLOOD HAZARD ELEVATION DETERMINED USING METHOD 3 - FEMA FLUVIAL METHOD.
    - 4.2. THE FLOOD HAZARD AREA ON SITE IS 273.40 FT.
    - 4.3. THE 10-YEAR FLOOD ELEVATION IS NOT COMPUTED.
  5. ALL ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM.
  6. CONVERSION TO NGVD 29: +0.955 FT.

PROPOSED RIPARIAN ZONE DISTURBANCE KEY			
SYMBOL	DESCRIPTION	PERMITTED	PROPOSED
	DEVELOPMENT OF EXISTING ACTIVELY DISTURBED NON-VEGETATED AREAS TO BE PERMITTED UNDER NJAC 7:13-11.2(F).1	N/A	1,621 SF (0.037 AC)
	VEGETATION OF EXISTING ACTIVELY DISTURBED NON-VEGETATED AREAS TO BE PERMITTED UNDER NJAC 7:13-11.2(F).3	N/A	5,065 SF (0.116 AC)
	AREA OF PROPOSED RIPARIAN ZONE DISTURBANCE TO BE PERMITTED UNDER NJAC 7:13-11.2(H).1 - CONSTRUCTION OF A NEW PRIVATE ROADWAY THAT RESULTS IN CLEARING, CUTTING, AND/OR REMOVAL OF RIPARIAN ZONE VEGETATION	2,000 SF (0.046 AC)	254 SF (0.006 AC)
	AREA OF PROPOSED RIPARIAN ZONE DISTURBANCE TO BE PERMITTED UNDER NJAC 7:13-11.2(I).1 - CONSTRUCTION OF A STORMWATER DISCHARGE, INCLUDING THE STORMWATER PIPE LEADING TO THE DISCHARGE	1,000 SF (0.023 AC)	211 SF (0.005 AC)



**SYMBOL**      **DESCRIPTION**

- PROPERTY LINE
- PROPOSED BUILDING
- 50 FT REGULATED WATERWAY RIPARIAN ZONE
- APPROXIMATE LOCATION OF 25 FT OF VEGETATION FROM TOP OF BANK
- PROPOSED RIPARIAN ZONE DISTURBANCE PERMITTED UNDER NJAC 7:13-11.2(F).1
- PROPOSED RIPARIAN ZONE DISTURBANCE PERMITTED UNDER NJAC 7:13-11.2(F).3
- PROPOSED RIPARIAN ZONE DISTURBANCE PERMITTED UNDER NJAC 7:13-11.2(H).1
- PROPOSED RIPARIAN ZONE DISTURBANCE PERMITTED UNDER NJAC 7:13-11.2(I).1



FOR NJDEP SUBMISSION		DATE	BY	DESCRIPTION
01/19/2017	MAGR			
01		ISSUE		
<b>NOT APPROVED FOR CONSTRUCTION</b>				
<b>STONEFIELD</b> engineering & design Rutherford, NJ · New York, NY · Boston, MA Princeton, NJ · Tampa, FL · Detroit, MI www.stonefielddesign.com Headquarters: 92 Park Avenue, Rutherford, NJ 07070 Phone: 201.340.4468 · Fax: 201.340.4172				
<b>NJDEP LAND USE CONSTRAINTS PLAN SET</b> <b>ZUIDEMA REALTY, LLC</b> <b>PROPOSED MULTI-FAMILY RESIDENTIAL BUILDING</b> BLOCK 45, LOT 9.01 90 MIDLAND AVENUE BOROUGH OF MIDLAND PARK BERGEN COUNTY, NEW JERSEY				
AFTON M. SAVITZ, P.E. NEW JERSEY LICENSE No. 51974 LICENSED PROFESSIONAL ENGINEER				
<b>STONEFIELD</b> engineering & design				
SCALE: 1" = 20' PROJECT ID: RUT-120217				
TITLE: PROPOSED RIPARIAN ZONE DISTURBANCE PLAN				
DRAWING: NJDEP-2				

**PROJECT AREA METES & BOUNDS**

LINE	BEARING	DISTANCE
P-1	N 23°07'16" E	200.00 FT
P-2	S 46°10'34" E	324.68 FT
P-3	S 31°14'54" W	199.65 FT
P-4	N 44°40'44" W	297.54 FT

BEGINNING AT A POINT ON THE SOUTHEASTERN LINE OF MIDLAND AVENUE (117 FEET WIDE) WHERE THE SAID POINT IS INTERSECTED BY THE DIVISION LINE BETWEEN LOTS 918 AND #2, BLOCK 45, SAID BEGINNING POINT HAVING COORDINATES N 799.7117 N, E 587.6453 IN THE NEW JERSEY STATE PLANE COORDINATE SYSTEM - NAD83 AND RUNNING THENCE:

**FHA-1 LINE METES & BOUNDS**

LINE	BEARING	DISTANCE
L1-1	N 36°39'32" E	11.47 FT
L1-2	N 26°19'22" E	25.01 FT
L1-3	N 17°00'42" E	33.41 FT
L1-4	N 14°09'16" W	0.87 FT

BEGINNING AT A POINT ON THE SOUTHEASTERN LINE OF MIDLAND AVENUE (109 FEET WIDE) WHERE THE SAID POINT HAVING COORDINATES N 799.7117 N, E 587.6453 IN THE NEW JERSEY STATE PLANE COORDINATE SYSTEM - NAD83

**FHA-2 LINE METES & BOUNDS**

LINE	BEARING	DISTANCE
L2-1	N 38°29'12" E	17.94 FT
L2-2	N 51°30'55" W	20.04 FT
L2-3	N 38°29'25" E	22.15 FT
L2-4	S 51°34'45" E	20.10 FT
L2-5	S 51°41'12" E	100.00 FT
L2-6	S 40°02'24" W	55.01 FT
L2-7	N 48°49'23" W	98.67 FT

BEGINNING AT A POINT ON THE SOUTHWESTERN OF PROJECT AREA WHERE THE SAID POINT HAVING COORDINATES N 799.6710 N, E 587.6302 IN THE NEW JERSEY STATE PLANE COORDINATE SYSTEM - NAD83

**FHA-3 LINE METES & BOUNDS**

LINE	BEARING	DISTANCE
L3-1	N 08°13'27" E	7.68 FT
L3-2	N 02°31'52" E	10.23 FT
L3-3	N 04°09'14" W	3.29 FT
L3-4	N 05°50'05" E	4.81 FT
L3-5	N 01°31'45" E	8.44 FT
L3-6	N 58°13'13" E	4.57 FT
L3-7	N 57°46'17" W	0.59 FT
L3-8	N 27°36'21" E	26.20 FT
L3-9	N 63°39'52" E	9.24 FT
L3-10	S 53°53'01" E	36.43 FT
L3-11	N 31°55'51" E	4.32 FT
L3-12	S 67°27'49" E	1.80 FT
L3-13	S 10°14'41" E	1.02 FT
L3-14	S 38°32'37" W	2.33 FT
L3-15	S 18°36'54" E	14.33 FT
L3-16	S 00°00'00" W	1.35 FT
L3-17	S 44°12'37" W	4.02 FT
L3-18	S 24°21'27" W	1.49 FT
L3-19	S 17°42'40" W	2.24 FT
L3-20	S 50°42'21" W	1.19 FT
L3-21	S 39°50'18" W	2.55 FT
L3-22	S 39°50'18" W	0.89 FT
L3-23	S 19°42'45" W	0.23 FT
L3-24	S 15°22'03" W	8.71 FT
L3-25	S 16°27'03" W	0.93 FT
L3-26	S 44°38'10" W	4.51 FT
L3-27	S 17°16'02" W	3.86 FT
L3-28	S 28°30'38" W	1.18 FT
L3-29	S 29°04'31" W	13.08 FT
L3-30	S 29°04'31" W	0.87 FT
L3-31	S 36°41'55" W	2.01 FT
L3-32	N 66°37'06" W	1.48 FT
L3-33	N 69°56'23" W	0.56 FT
L3-34	N 61°49'22" W	2.66 FT
L3-35	N 68°41'14" W	34.17 FT
L3-36	N 61°34'49" W	5.66 FT

BEGINNING AT A POINT ON THE SOUTHWESTERN OF PROJECT AREA WHERE THE SAID POINT HAVING COORDINATES N 799.6710 N, E 587.6474 IN THE NEW JERSEY STATE PLANE COORDINATE SYSTEM - NAD83

- FLOOD HAZARD AREA NOTES:**
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  5. ALL ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM.
  6. CONVERSION TO NGVD 29: +0.955 FT



**SYMBOL DESCRIPTION**

---	PROPERTY LINE
---	PROJECT AREA
▭	EXISTING BUILDING
---	EXISTING FLOOD HAZARD AREA (PER FEMA MAPPING)

NO.	DATE	BY	DESCRIPTION
01 <td>01/15/2023 <td>MAGR <td>FOR NJDEP SUBMISSION</td> </td></td>	01/15/2023 <td>MAGR <td>FOR NJDEP SUBMISSION</td> </td>	MAGR <td>FOR NJDEP SUBMISSION</td>	FOR NJDEP SUBMISSION

NOT APPROVED FOR CONSTRUCTION

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Phone: 201.340.4468 Fax: 201.340.4472

**ZUIDEMA REALTY, LLC**  
PROPOSED MULTI-FAMILY  
RESIDENTIAL BUILDING

BLOCK 45, LOT 9.01  
90 MIDLAND AVENUE  
BOROUGH OF MIDLAND PARK  
BERGEN COUNTY, NEW JERSEY

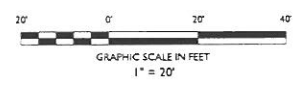
AFTON M. SAVITZ, P.E.  
NEW JERSEY LICENSE No. 37474  
LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
engineering & design

SCALE: 1" = 20' PROJECT ID: RUT-220217

TITLE:  
**EXISTING FLOOD HAZARD AREA PLAN**

DRAWING:  
**NJDEP-3**



NATIONAL FLOODING CORP. (NATIONAL FLOODING CORP.) 10000 W. MIDLAND AVENUE, MIDLAND PARK, NJ 07748  
 10000 W. MIDLAND AVENUE, MIDLAND PARK, NJ 07748  
 10000 W. MIDLAND AVENUE, MIDLAND PARK, NJ 07748

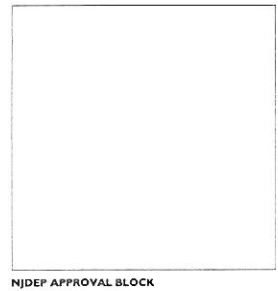
**FHA LINE METES & BOUNDS**

LINE	BEARING	DISTANCE
L-1	S 52° 03' 04" E	37.02 FT
L-2	S 30° 15' 15" E	54.54 FT
L-3	S 84° 46' 19" E	14.88 FT
L-4	S 52° 44' 18" E	20.64 FT
L-5	S 44° 45' 08" E	24.11 FT
L-6	S 35° 25' 47" E	94.51 FT
L-7	S 16° 05' 19" W	38.93 FT
L-8	S 43° 52' 57" W	30.84 FT
L-9	S 33° 11' 37" W	21.70 FT
L-10	S 45° 13' 22" W	14.23 FT
L-11	S 86° 04' 16" W	6.13 FT
L-12	S 45° 48' 19" W	17.05 FT
L-13	S 86° 10' 08" W	3.92 FT
L-14	N 44° 12' 49" W	35.24 FT
L-15	N 44° 46' 15" W	105.22 FT
L-16	N 35° 53' 11" W	49.50 FT

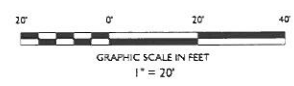
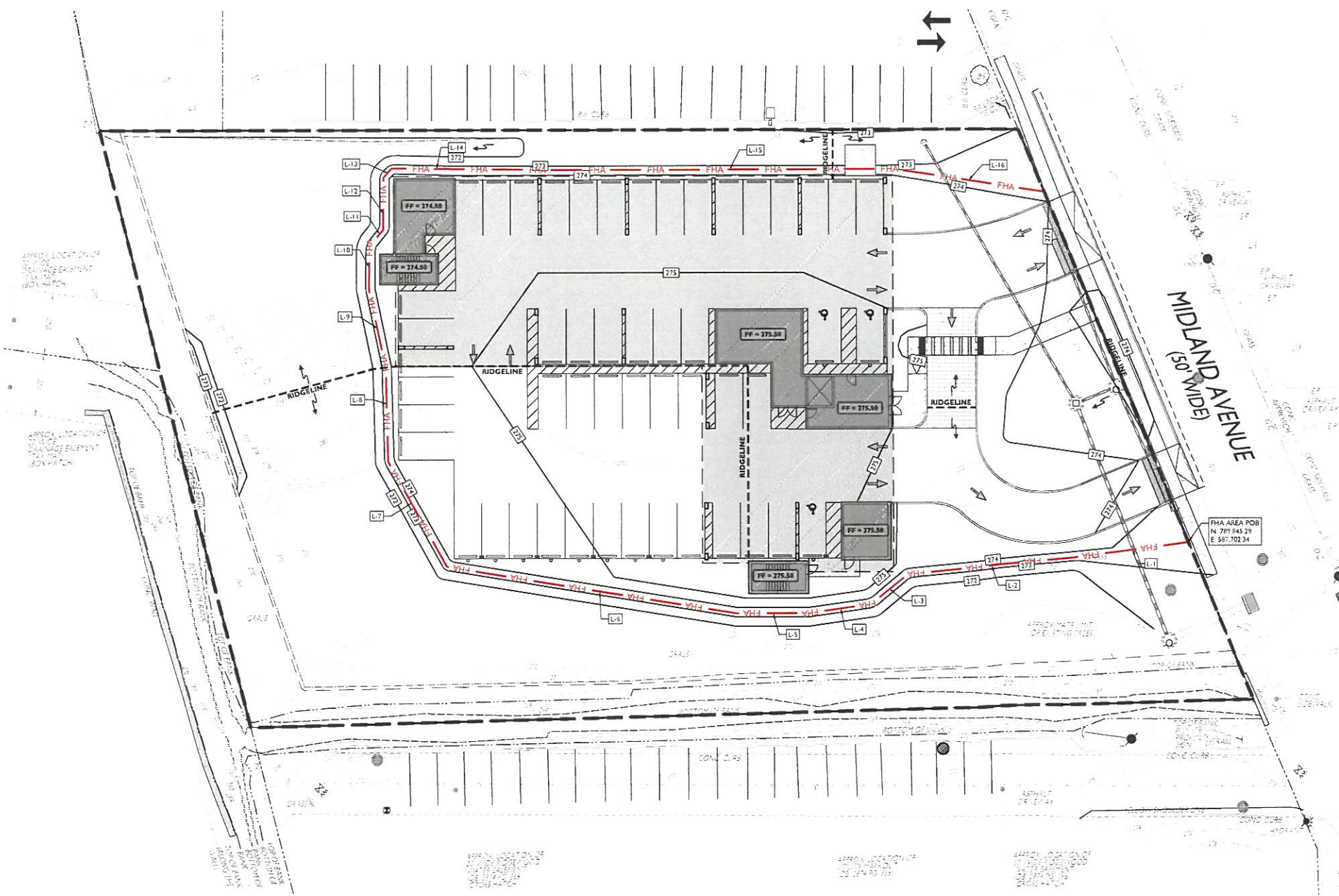
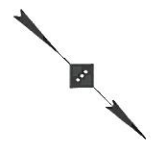
BEGINNING AT A POINT ON THE SOUTHEAST CORNER OF PROJECT AREA, WHERE THE SAID POINT HAVING COORDINATES N 709 748.29 E 587 702.34 IN THE NEW JERSEY STATE PLANE COORDINATE SYSTEM - NAD83

**FLOOD HAZARD AREA NOTES:**

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5. ALL ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM.
6. CONVERSION TO NGVD 29: +0.955 FT



SYMBOL	DESCRIPTION
---	PROPERTY LINE
---	PROJECT AREA
█	PROPOSED BUILDING
---	PROPOSED FLOOD HAZARD AREA



NOT APPROVED FOR CONSTRUCTION

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NJDEP LAND USE CONSTRAINTS PLAN SET

**ZUIDEMA REALTY, LLC**

PROPOSED MULTI-FAMILY  
RESIDENTIAL BUILDING

BLOCK 45, LOT 9.01  
90 MIDLAND AVENUE  
BOROUGH OF MIDLAND PARK  
BERGEN COUNTY, NEW JERSEY

AFTON M. SAVITZ, P.E.  
NEW JERSEY LICENSE No. 51674  
LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
engineering & design

SCALE: 1" = 20' PROJECT ID: RUT-220217

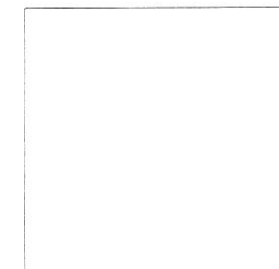
TITLE:  
**PROPOSED FLOOD HAZARD AREA PLAN**

DRAWING:  
**NJDEP-4**

ISSUE	DATE	BY	DESCRIPTION
01	03/11/2023	MAGR	FOR NJDEP SUBMISSION

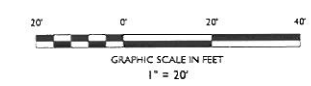
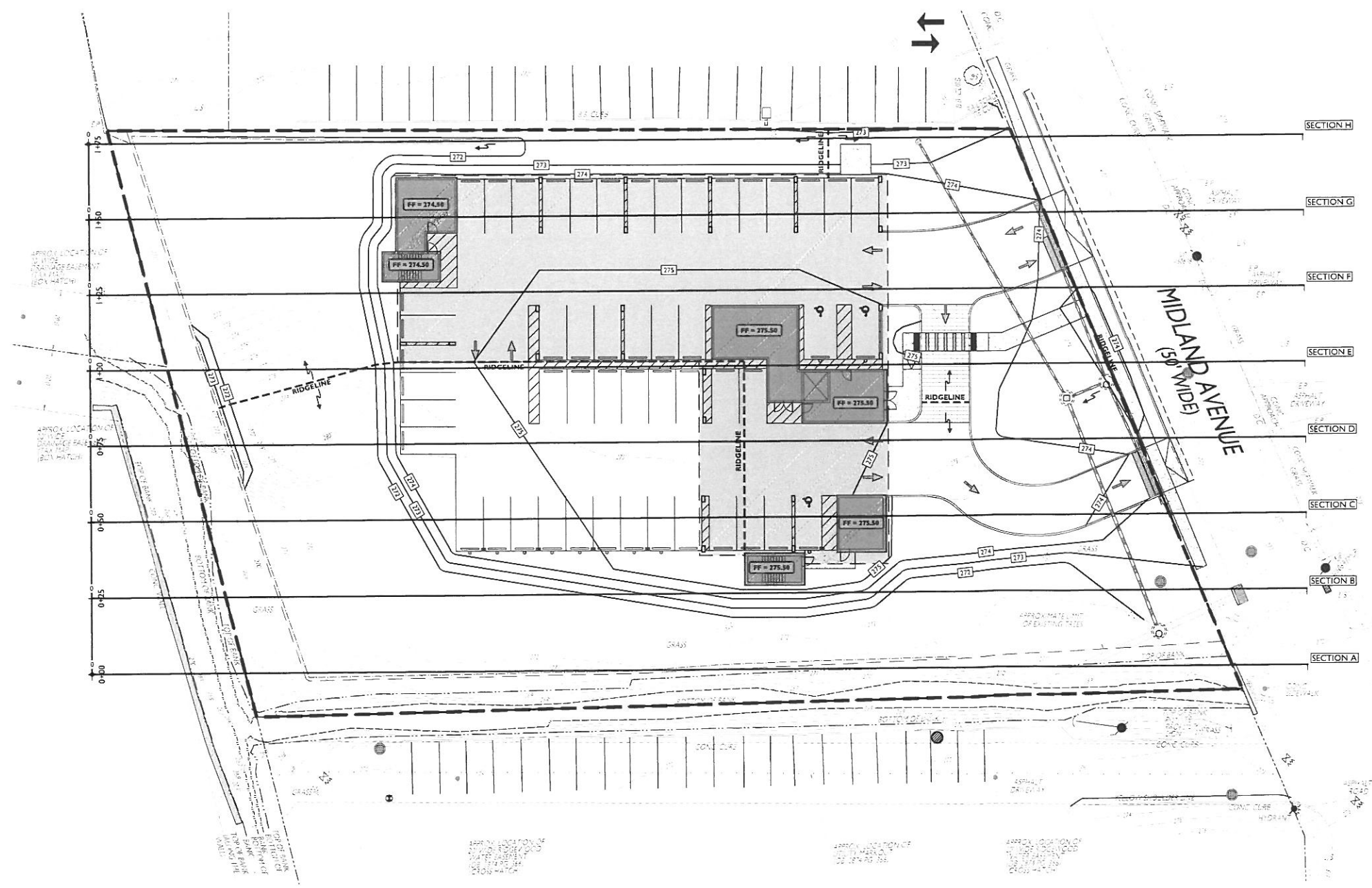
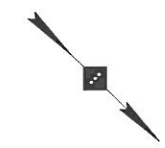
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6. CONVERSION TO NGVD 29: +0.955 FT



NJDEP APPROVAL BLOCK

SYMBOL	DESCRIPTION
---	PROPERTY LINE
- - -	PROJECT AREA
■	PROPOSED BUILDING



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NJDEP LAND USE CONSTRAINTS PLAN SET

**ZUIDEMA REALTY, LLC**

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RESIDENTIAL BUILDING

BLOCK 45, LOT 9.01  
90 MIDLAND AVENUE  
MORRISONVILLE, NEW JERSEY  
BERGEN COUNTY, NEW JERSEY

AFTON M. SAVITZ, P.E.  
NEW JERSEY LICENSE No. 57674  
LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
engineering & design

SCALE: 1" = 20' PROJECT ID: RUT-220217

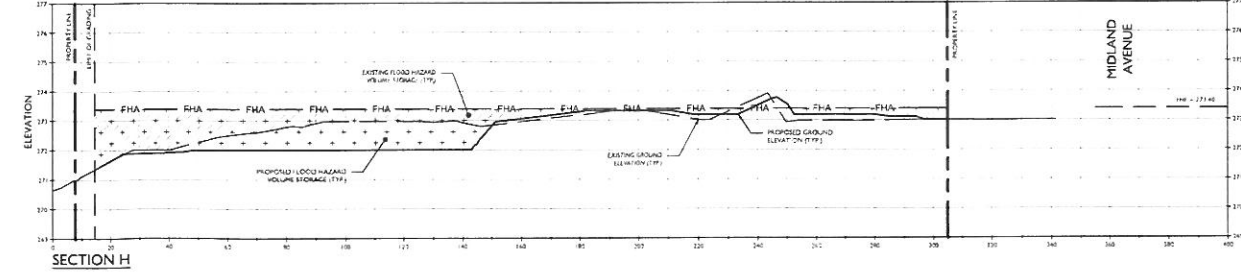
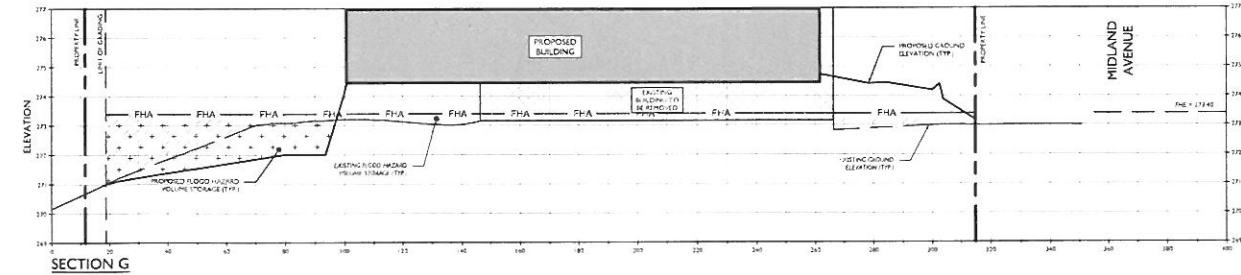
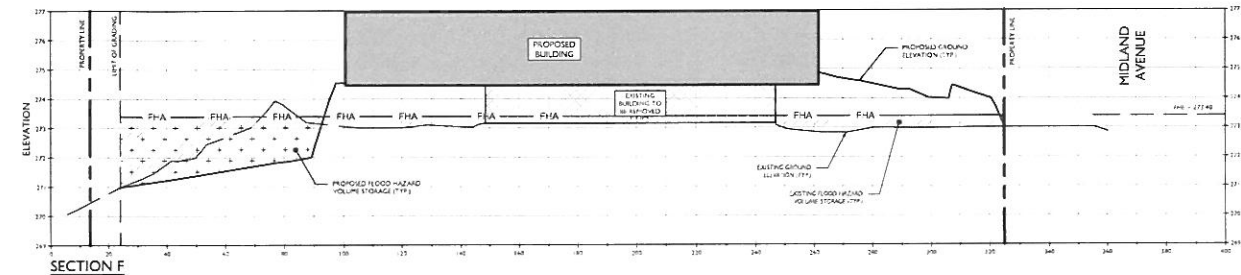
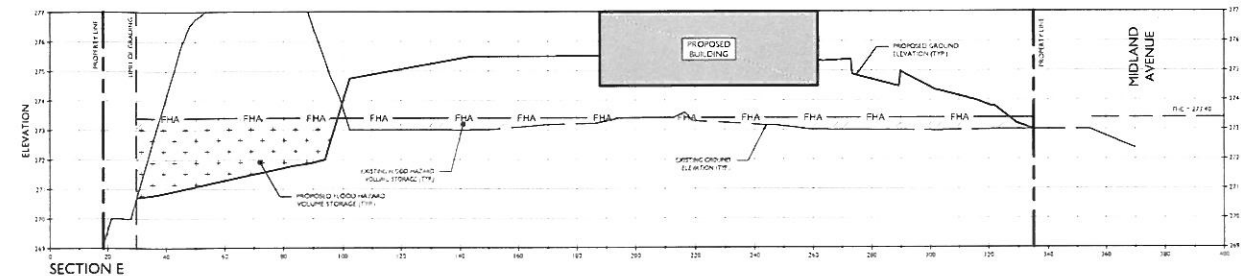
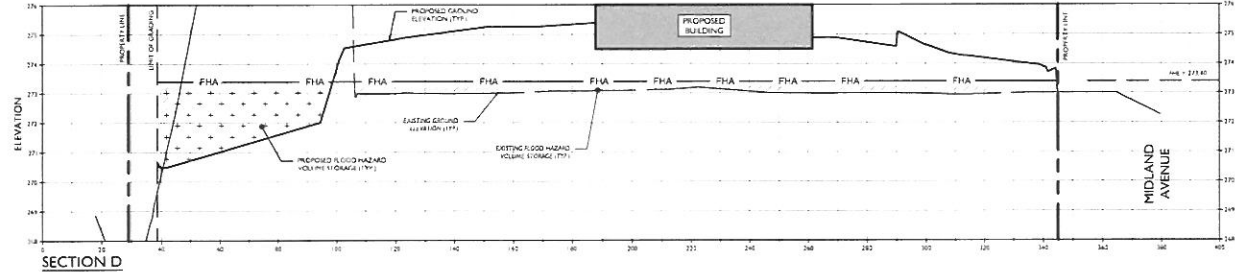
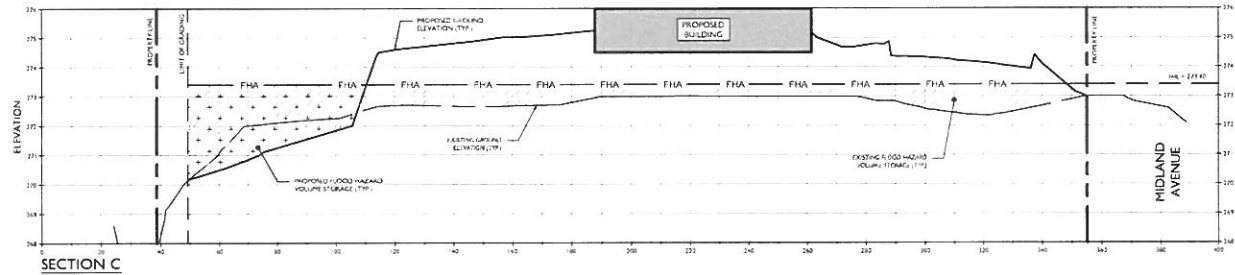
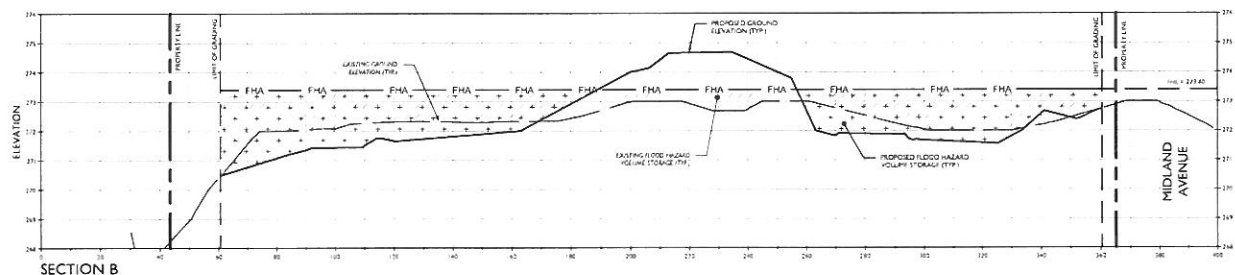
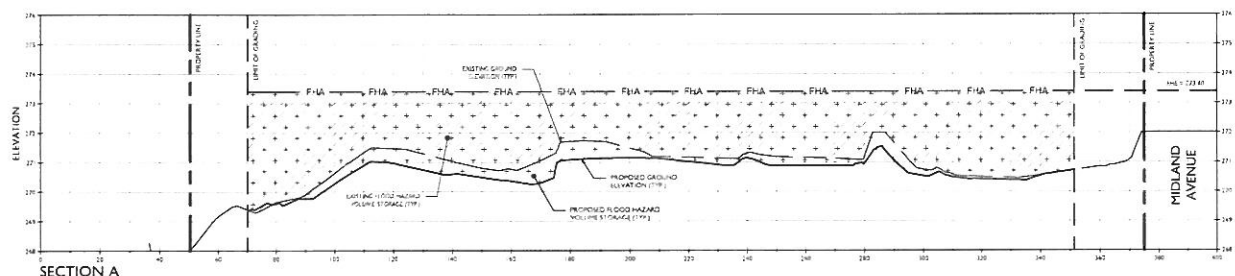
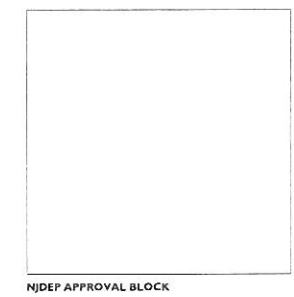
TITLE:  
**FLOOD VOLUME  
SECTIONS PLAN**

DRAWING:  
**NJDEP-5**

ISSUE	DATE	BY	DESCRIPTION
D1	01/10/2023	MAGH	FOR NJDEP SUBMISSION

**FLOOD HAZARD AREA NOTES:**

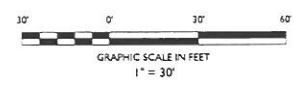
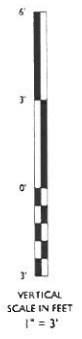
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6. CONVERSION TO NGVD 29 +0.955 FT.



FLOOD HAZARD ELEVATION - INTERPOLATED STORAGE VOLUME								
EXIST FLOOD VOLUMES				PROPOSED FLOOD VOLUMES				
STATION	SECTION	DISTANCE BETWEEN SECTIONS (FT)	CROSS SECTIONAL FLOOD AREA (SF)	INTERPOLATED VOLUME (CY)	CUMULATIVE VOLUME (CY)	CROSS SECTIONAL FLOOD AREA (SF)	INTERPOLATED VOLUME (CY)	CUMULATIVE VOLUME (CY)
0+00.00	SECTION A	0.0	685.89	0.0	0.0	768.56	0.0	0.0
0+25.00	SECTION B	25.0	306.22	459.3	459.3	359.05	522.0	522.0
0+50.00	SECTION C	25.0	247.22	256.2	715.5	133.51	238.0	750.1
0+75.00	SECTION D	25.0	106.86	163.9	879.5	124.89	119.6	899.7
1+00.00	SECTION E	25.0	82.30	87.6	967.0	137.50	121.5	991.2
1+25.00	SECTION F	25.0	118.91	93.2	1,060.2	127.40	122.6	1,113.8
1+50.00	SECTION G	25.0	115.10	108.3	1,168.5	136.97	122.4	1,236.2
1+75.00	SECTION H	25.0	156.73	125.8	1,294.4	222.62	166.5	1,402.7

EXISTING STORAGE VOLUME = 1,294.4 CY  
 PROPOSED STORAGE VOLUME = 1,402.7 CY  
 VOLUME INCREASE = 108.3 CY

THE 15 YEAR FLOOD ELEVATION DOES NOT EXTEND ON TO THE SUBJECT PROPERTY, AS SUCH, NO FLOOD VOLUME STORAGE FOR THE 15-YEAR STORM EVENT IS PROVIDED ON THE PROJECT UNDER EXISTING CONDITIONS.



NOT APPROVED FOR CONSTRUCTION

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 Headquarters: 92 Park Avenue, Rutherford, NJ 07070  
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**ZUIDEMA REALTY, LLC**  
 PROPOSED MULTI-FAMILY  
 RESIDENTIAL BUILDING  
 BLOCK 45, LOT 9.01  
 90 MIDLAND AVENUE  
 BOROUGH OF MIDLAND PARK  
 BERGEN COUNTY, NEW JERSEY

AFTON M. SAVITZ, P.E.  
 NEW JERSEY LICENSE No. 57874  
 LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
 engineering & design

SCALE: AS SHOWN PROJECT ID: RUT-22017

TITLE:  
**FLOOD STORAGE  
 VOLUME SECTIONS**

DRAWING:  
**NJDEP-6**

DATE	BY	DESCRIPTION
01/01/2023	MAGR	FOR NJDEP SUBMISSION

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