

- GENERAL NOTES:**
1. NO FENCE OF BARBED WIRE, RAZOR WIRE, OR SIMILAR MATERIAL IS PERMITTED.
 2. NO CONSTRUCTION ACTIVITY SHALL BEGIN PRIOR TO 8:00 AM, AND NO LATER THAN 5:00 PM.
 3. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE APPLICANT SHALL CALL FOR A UTILITIES SERVICE MARKOUT.
 4. ORDINANCE SECTION 26-5.11.F ~ NO PRIVATE SWIMMING POOL SHALL HAVE ANY CONNECTION WHATSOEVER TO THE SANITARY SEWER SYSTEM OF THE BOROUGH OF ALLENHURST, AND NO WATER SHALL BE DISCHARGED FROM SUCH SWIMMING POOL INTO THE SANITARY SEWER SYSTEM. POOL WATER MAY NOT BE DISCHARGED AT THE CURB, OR UPON THE SURFACE OF ANY STREET, OR INTO THE STORM SEWER.
 5. ANY AND ALL POOLS SHALL BE SUBJECT, AT ALL TIMES, TO INSPECTION BY THE POLICE DEPARTMENT, THE BOARD OF HEALTH, PLUMBING SUBCODE OFFICIAL, ZONING OFFICER AND THE CONSTRUCTION OFFICIAL.
 6. THE CONSTRUCTION, MAINTENANCE AND OPERATION OF ALL SWIMMING POOLS SHALL BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE SWIMMING POOL CODE OF NEW JERSEY PROMULGATED BY THE NEW JERSEY DEPARTMENT OF HEALTH, EXCEPT WHERE SAID CODE DIFFERS IN ANY RESPECT FROM THE PROVISION OF THIS SUBSECTION. IN SUCH EVENT, THE MORE RESTRICTIVE PROVISIONS SHALL CONTROL.
 7. ALL MATERIALS USED IN THE CONSTRUCTION OF PRIVATE SWIMMING POOLS SHALL BE WATERPROOFED AND EASILY CLEANED. THE BOTTOM AND SIDES OF THE POOL SHALL BE EITHER WHITE OR A LIGHT COLOR. SAND OR EARTH BOTTOMS SHALL NOT BE USED. (ORD. 6 / 26 / 79 ~ 511; ORD. NO. 2011-13)
 8. THE EXISTING CURB AND SLATE WALK ALONG THE PROPERTY FRONTAGE WILL BE REPLACED IF FOUND IN POOR CONDITION IN FRONT OF THE TEMPORARY CONSTRUCTION ENTRANCE.
 9. ORDINANCE 26-10 - "NO BUILDING, CONSTRUCTION, RECONSTRUCTION, REMODELING OR REPAIRS SHALL BE MADE, UNDERTAKEN OR CONTINUED WITHIN THE LIMITS OF THE BOROUGH BETWEEN JUNE 30 AND LABOR DAY, AND ON THE FOLLOWING HOLIDAYS: THANKSGIVING DAY AND CHRISTMAS DAY. NO POWER TOOLS SUCH AS POWER SANDERS, CHAIN SAWS, NAIL GUNS, ETC. SHALL BE ALLOWED DURING THIS MORATORIUM."
 10. THE HOMEOWNER SHALL SUPPLY AN ASBUILT PLAN WITH CALCULATIONS TO CONFIRM THE PROJECT'S IMPERVIOUS COMPLIANCE PRIOR TO A FINAL C.O. FROM THE ZONING DEPARTMENT.
 11. POOL EQUIPMENT SHALL BE LOCATED WITHIN THE PROPOSED GARAGE.
 12. THE SUBJECT PROPERTY IS LOCATED APPROXIMATELY 1,400 FEET FROM THE MEAN HIGH WATER LINE OF THE ATLANTIC OCEAN.
 13. PROPERTY IS LOCATED IN F.E.M.A. FLOOD HAZARD ZONE 'X' AS INDICATED ON FLOOD INSURANCE RATE MAPS PANELS #34025C0332F (EFFECTIVE DATE 9-25-2009) AND PANEL #34025C0332G (PRELIMINARY DATE 1-31-2014).

SITE PLAN APPROVAL
BOROUGH OF ALLENHURST
PLANNING BOARD

PLANNING BOARD CHAIRMAN

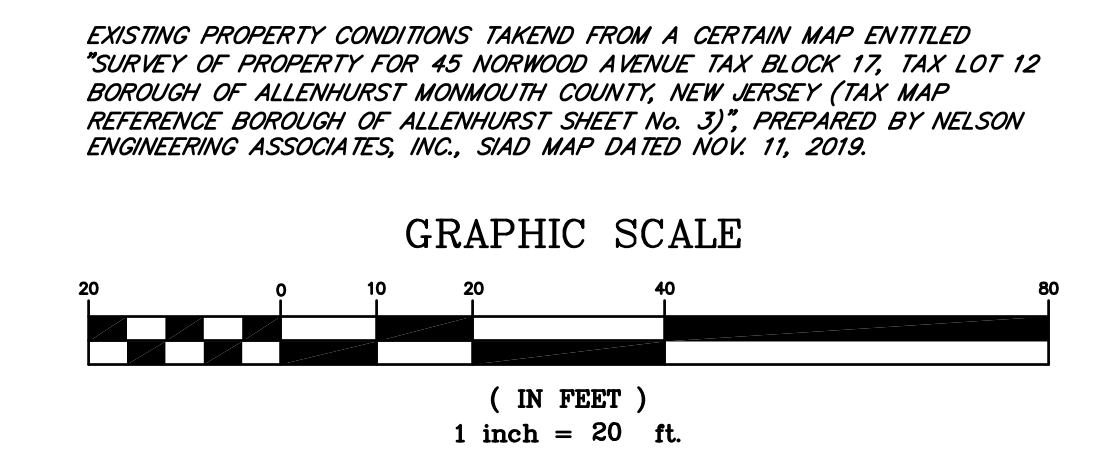
SECRETARY

ENGINEER

ZONING INFORMATION: R-1 RESIDENTIAL ZONE

BULK CRITERIA	REQUIRED	EXISTING
LOT AREA	-----	38,537 SQ. FT.
LOT FRONTAGE	100 FEET	173.07 FEET
LOT DEPTH	140 FEET	215.58 FEET
FRONT SETBACK ~ NORWOOD AVENUE	50 FEET	100.2 FEET
FRONT SETBACK ~ ELBERON AVENUE	50 FEET	53.0 FEET
SIDE YARD	10 % LOT WIDTH ~ 17.2 FEET	36.8 FEET TO PORTE COCHERE
REAR YARD	20 % LOT DEPTH ~ 43.12 FEET	46.4 FEET
PRINCIPAL BUILDING HEIGHT	35 FEET ~ 2.5 STORIES	42.7 FEET ~ 2 1/2 STORIES **
PRINCIPAL BUILDING COVERAGE	20 % ~ 7,707 SQ. FT.	10.69 % ~ 4,118 SQ. FT.
IMPERVIOUS COVERAGE	40 % ~ 15,414 SQ. FT.	33.56 % ~ 12,932 SQ. FT.
ACCESSORY BUILDING FRONT SETBACK	50 FEET	138.9 FEET
ACCESSORY BUILDING SIDE SETBACK	3.5 FEET	4.0 FEET
ACCESSORY BUILDING REAR SETBACK	3.5 FEET	4.0 FEET

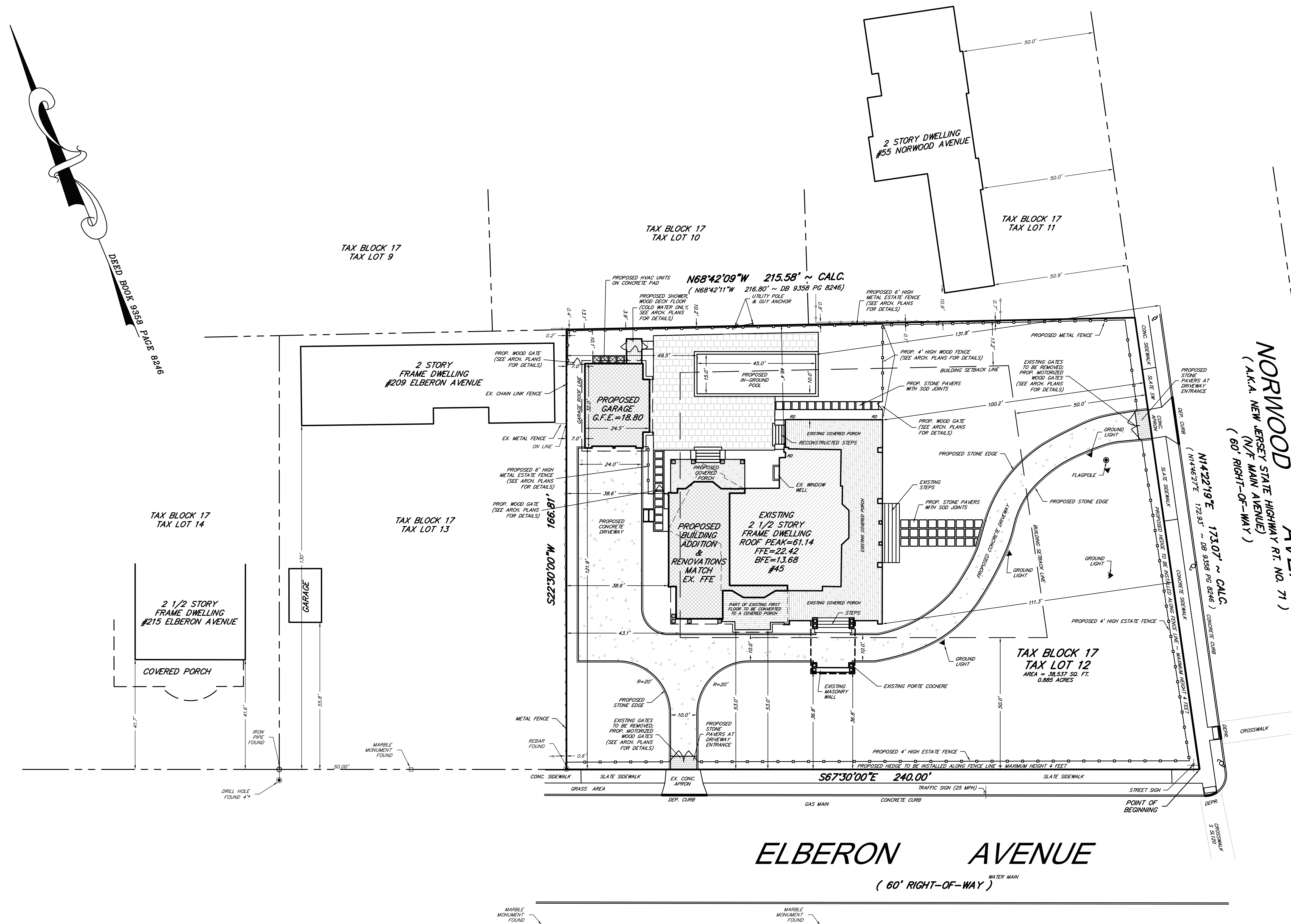
** INDICATES AN EXISTING NON-CONFORMING CONDITION.



SUMMARY OF EXISTING IMPERVIOUS COVERAGE:

HOUSE / PORCHES / STEPS / WINDOW WELLS	= 5,200.0 SQ. FT.
GARAGE	= 585.3 SQ. FT.
POOL	= 443.9 SQ. FT.
POOL PATIO / WALKWAYS / CONCRETE PADS	= 2,091.0 SQ. FT.
DRIVEWAY EAST OF PORTE COCHERE	= 1,925.7 SQ. FT.
DRIVEWAY WEST OF PORTE COCHERE	= 2,513.0 SQ. FT.
SPA AND PAVERS	= 120.9 SQ. FT.
HVAC EQUIPMENT	= 41.2 SQ. FT.
POOL EQUIPMENT	= 9.0 SQ. FT.
TOTAL	= 12,932.0 SQ. FT.

NO.	ADDED SURVEY REF. & AVG. SETBACK CALC. REVISION DESCRIPTION	2-18-20	DHB	MRD
NO.	REVISION DESCRIPTION	DATE	DRWN	CHKD BY
DEMOLITION PLAN FOR 45 NORWOOD AVENUE TAX BLOCK 17, TAX LOT 12 BOROUGH OF ALLENHURST MONMOUTH COUNTY, NEW JERSEY (TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)				
1750 BLOOMSBURY AVENUE OCEAN, NEW JERSEY 07712 TEL. (732)-918-2180 FAX (732)-918-0697 WWW.NELSONENG.NET CERTIFICATE OF AUTHORIZATION # 24GA28014900		SITE ENGINEERING TRAFFIC ENGINEERING LANDSCAPE ARCHITECTURE ENVIRONMENTAL STUDIES LAND SURVEYING & MAPPING		
DAVID H. BOESCH, L.L.A. LICENSED LANDSCAPE ARCHITECT NEW JERSEY LICENSE No. AS000489				
SCALE: 1"=20'	DRAWN BY: DHB	CHKD. BY: MRD		
FILE: 191001	DATE: 01-28-2020	SHEET 1	OF 5	



KEY MAP

ALL PROPERTIES DEPICTED IN THE BOROUGH OF ALLENHURST ARE LOCATED WITHIN THE R-1 SINGLE FAMILY RESIDENTIAL ZONE.

SITE PLAN APPROVAL
BOROUGH OF ALLENHURST
PLANNING BOARD

PLANNING BOARD CHAIRMAN

SECRETARY

ENGINEER

ZONING INFORMATION: R-1 RESIDENTIAL ZONE

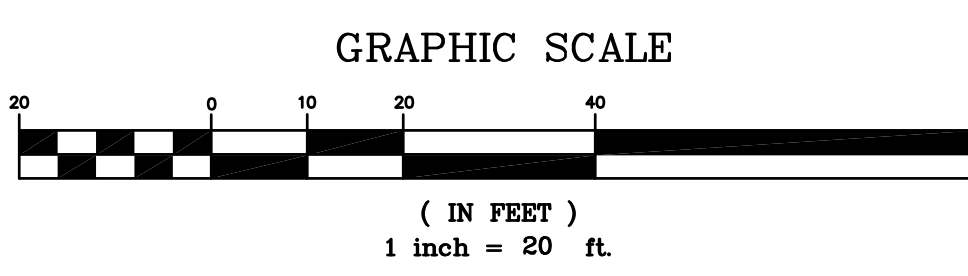
BULK CRITERIA	REQUIRED	EXISTING	PROPOSED
LOT AREA	100 FEET	38,537 SQ. FT.	38,537 SQ. FT.
LOT FRONTAGE	100 FEET	173.07 FEET	173.07 FEET
LOT DEPTH	140 FEET	215.58 FEET	215.58 FEET
FRONT SETBACK - NORWOOD AVENUE	50 FEET	100.2 FEET	100.2 FEET
FRONT SETBACK - ELBERON AVENUE	50 FEET	53.0 FEET	53.0 FEET
SIDE YARD ~ ONE	10 % LOT WIDTH ~ 17.2 FEET	36.8 FEET TO PORTE COCHERE	36.8 FEET TO PORTE COCHERE
SIDE YARD ~ COMBINED	50 FEET	46.4 FEET	46.4 FEET
REAR YARD	20 % LOT DEPTH ~ 43.12 FEET	38.6 FEET *	38.6 FEET *
PRINCIPAL BUILDING HEIGHT	35 FEET ~ 2.5 STORIES	42.7 FEET ~ 2.5 STORIES *	42.7 FEET ~ 2.5 STORIES *
PRINCIPAL BUILDING COVERAGE	20 % ~ 50.0 SQ. FT.	10.69 % ~ 4,118 SQ. FT.	12.16 % ~ 4,687 SQ. FT.
IMPERVIOUS COVERAGE	40 % ~ 50.0 SQ. FT.	33.57 % ~ 12,932 SQ. FT.	39.09 % ~ 15,062 SQ. FT.
ACCESSORY BUILDING FRONT SETBACK	50 FEET	138.9 FEET	121.9 FEET
ACCESSORY BUILDING SIDE SETBACK	3.5 FEET	4.0 FEET	13.1 FEET
ACCESSORY BUILDING REAR SETBACK	3.5 FEET	4.0 FEET	7.0 FEET
POOL FRONT SETBACK #	100 FEET	154.1 FEET	131.8 FEET
POOL SIDE SETBACK	25 FEET	25.2 FEET	10.2 FEET **
POOL REAR SETBACK	25 FEET	42.1 FEET	45.9 FEET
POOL SETBACK FROM STRUCTURE	10 FEET	5.0 FEET *	10.0 FEET

BUILDING COVERAGE INCLUDES THE DWELLING AND DETACHED GARAGE
POOL FRONT SETBACK MEASURED TO THE CURB LINE.
* INDICATES AN EXISTING ZONING NON-CONFORMITY.
** INDICATES A PROPOSED VARIANCE CONDITION.

AVERAGE SETBACK CALCULATION - ELBERON AVENUE:

LOT 12 (SUBJECT PROPERTY)	= 53 FEET
LOT 13	= 130 FEET
LOT 14	= 41.6 FEET
AVERAGE SETBACK	= 74.8 FEET

EXISTING PROPERTY CONDITIONS TAKEN FROM A CERTAIN MAP ENTITLED "SURVEY OF PROPERTY FOR 45 NORWOOD AVENUE TAX BLOCK 17, TAX LOT 12 BOROUGH OF ALLENHURST MONMOUTH COUNTY, NEW JERSEY (TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)", PREPARED BY NELSON ENGINEERING ASSOCIATES, INC., SIAO MAP DATED NOV. 11, 2019.



SUMMARY OF PROPOSED IMPERVIOUS COVERAGE:

HOUSE / PORCHES / STEPS / WINDOW WELLS / PORTE COCHERE	= 6,063.1 SQ. FT.
GARAGE	= 891.3 SQ. FT.
POOL / POOL PATIO	= 2,406.6 SQ. FT.
DRIVEWAY EAST OF PORTE COCHERE	= 1,691.0 SQ. FT.
DRIVEWAY WEST OF PORTE COCHERE	= 3,336.4 SQ. FT.
OUTDOOR SHOWER	= 50.0 SQ. FT.
STEPPING STONE PATHWAYS	= 601.8 SQ. FT.
HVAC EQUIPMENT	= 22.0 SQ. FT.
TOTAL	= 15,062.2 SQ. FT.

NO.	ADDED SURVEY REF. & AVG. SETBACK CALC.	2-18-20	DHB	MRD
	REVISION DESCRIPTION	DATE	DRWN	CHKD BY

PLOT PLAN
FOR
45 NORWOOD AVENUE
TAX BLOCK 17, TAX LOT 12
BOROUGH OF ALLENHURST
MONMOUTH COUNTY, NEW JERSEY
(TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)

Nelson Engineering Associates, Inc.

1750 BLOOMSBURY AVENUE
OCEAN, NEW JERSEY 07712
TEL. (732)-918-2100 FAX (732)-918-0697
WWW.NELSONENG.NET
CERTIFICATE OF AUTHORIZATION # 24GA28014900

David H. Boesch
DAVID H. BOESCH, L.L.A.
LICENSED LANDSCAPE ARCHITECT NEW JERSEY LICENSE No. AS000489

SCALE: 1"=20'	DRAWN BY: DHB	CHKD. BY: MRD
FILE: 191001	DATE: 01-28-2020	SHEET 2 OF 5

Block 17, Lot 12
 Borough of Allenhurst, Monmouth County, NJ
 Date & Time: Thursday November 21, 2019 at 3:00 pm
 Witnessed By: N/A
 Weather conditions at time of test: 50° F, cloudy
 From: N/A

NEAL File # 191001
 45 Norwood Avenue

Soil Log
 Ground Surface Elevation: 18.6±
 SB#1 Soil boring in rear yard

Depth	Description	Munsell
0' - 19"	Topsoil, dark brown sandy loam with a clear (2.5" Max.) boundary	10 YR 3/3
19" - 30"	Light yellowish brown loamy sand with 5% gravel throughout, medium to fine granular structure, moist, friable, and with a clear (2.5" Max.) boundary	10 YR 6/4
30" - 48"	Yellowish brown sandy clay loam, subangular structure, moist, nearly saturated between 42" and 48", friable, slightly sticky, and with a clear (2.5" Max.) boundary	10 YR 5/4
48" - 70"	Brownish yellow silty sand with 15% gravel throughout, medium to fine granular structure, moist, loose, and with an abrupt (1" Max.) boundary	10 YR 6/6
70" - 77"	Yellow sand with some silt, medium granular structure, moist, loose, and with a clear (2.5" Max.) boundary	10 YR 7/8
77" - 111"	Yellow sand with some silt and 15% gravel to 86", medium granular structure, moist, loose, and with 7.5 YR 7/8 mottles from 106"	2.5 Y 7/8

No seepage encountered
 Depth to expected seasonal high water table (SHWT): 106" = 8.8'
 Expected seasonal high water table (SHWT) elevation: 9.8
 Samples taken at 50" and 72"

CONSTANT HEAD TUBE PERMEAMETER TEST
 Block 17, Lot 12
 Borough of Allenhurst, Monmouth County, NJ
 Date of test: Friday November 22, 2019
 NEAL File # 191001

Sample Depth: 50"	Undisturbed		Disturbed	
	REPLICATE A	REPLICATE B	REPLICATE A	REPLICATE B
SAMPLE LENGTH (CM) =	7.5	7.5	7.5	7.5
SAMPLE AREA (CM ²) =	31.65	31.65	31.65	31.65
TIME (SEC) =	600	600	600	600
VOLUME (ML) =	180	195	180	195
HEAD (CM) =	51.5	51.5	51.5	51.5
PERMEABILITY (CM/SEC) =	0.0014	0.0015	0.0014	0.0015
PERMEABILITY (IN/HR) =	2.0	2.1	2.0	2.1
PERMEABILITY CLASS =	K-3	K-3	K-3	K-3

Sample Depth: 72"	Undisturbed		Disturbed	
	REPLICATE A	REPLICATE B	REPLICATE A	REPLICATE B
SAMPLE LENGTH (CM) =	7.5	7.5	7.5	7.5
SAMPLE AREA (CM ²) =	31.65	31.65	31.65	31.65
TIME (SEC) =	120	120	120	120
VOLUME (ML) =	485	480	485	480
HEAD (CM) =	51.5	51.5	51.5	51.5
PERMEABILITY (CM/SEC) =	0.0188	0.0188	0.0188	0.0188
PERMEABILITY (IN/HR) =	26	27	26	27
PERMEABILITY CLASS =	K-5	K-5	K-5	K-5

I hereby certify, to the best of my professional knowledge and belief, that the above information is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-et. Seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

M.R.D.
 Matthew R. DuBois, P.E., C.M.E.
 (SEAL)
 Date: 11/22/2019

MORE THAN 20 IN/HR = K-5
 6 - 20 IN/HR = K-4
 2 - 6 IN/HR = K-3
 0.6 - 2 IN/HR = K-2
 0.2 - 0.6 IN/HR = K-1
 LESS THAN 0.2 IN/HR = K-0

SITE PLAN APPROVAL
BOROUGH OF ALLENHURST
PLANNING BOARD

PLANNING BOARD CHAIRMAN

SECRETARY

ENGINEER

NO.	ADDED SURVEY REF. & AVG. SETBACK CALC.	2-18-20	DHB	MRD
	REVISION DESCRIPTION	DATE	DRWN	CHKD BY

GRADING AND UTILITIES PLAN
 FOR
45 NORWOOD AVENUE
 TAX BLOCK 17, TAX LOT 12
 BOROUGH OF ALLENHURST
 MONMOUTH COUNTY, NEW JERSEY
 (TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)

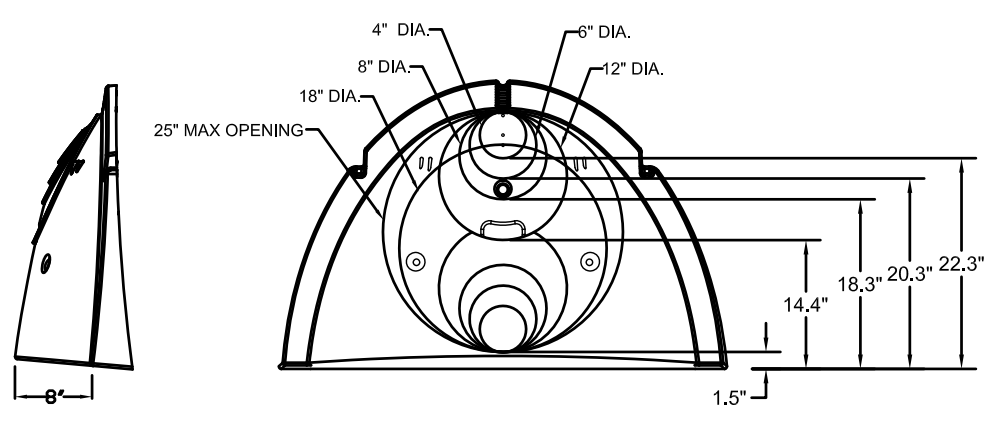
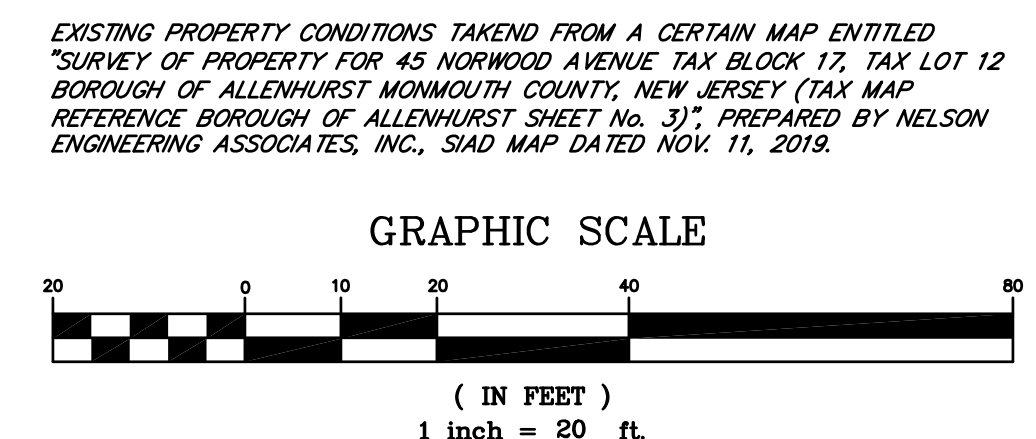
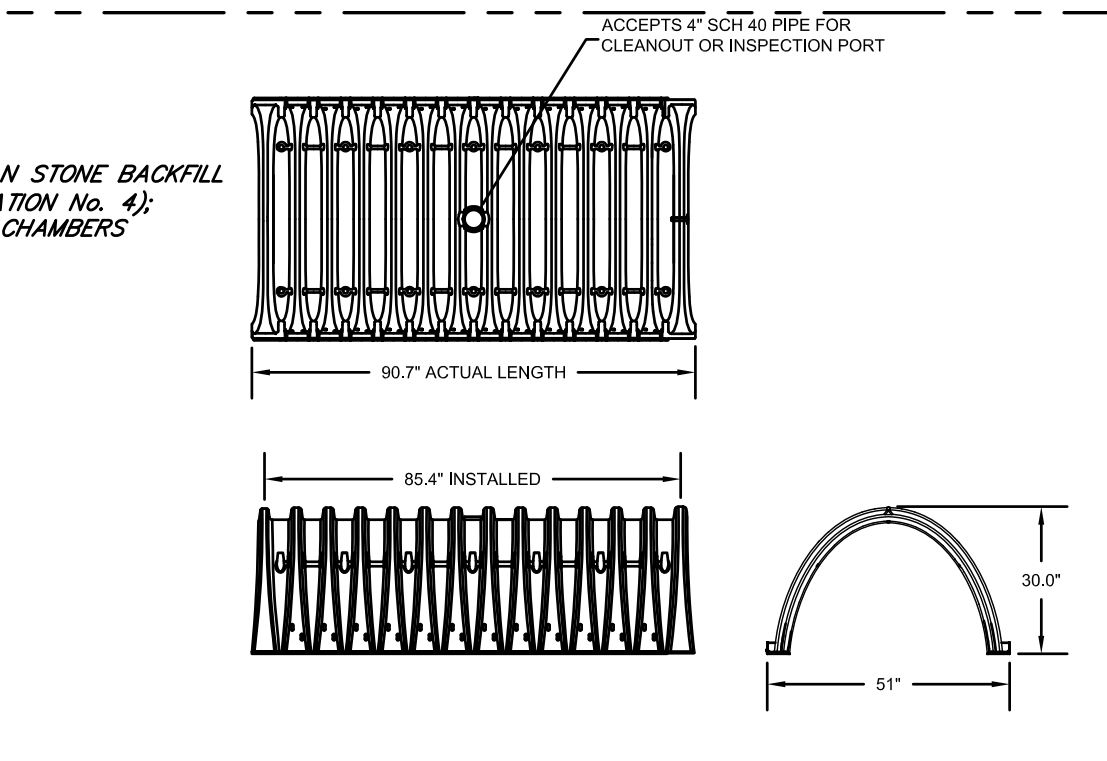
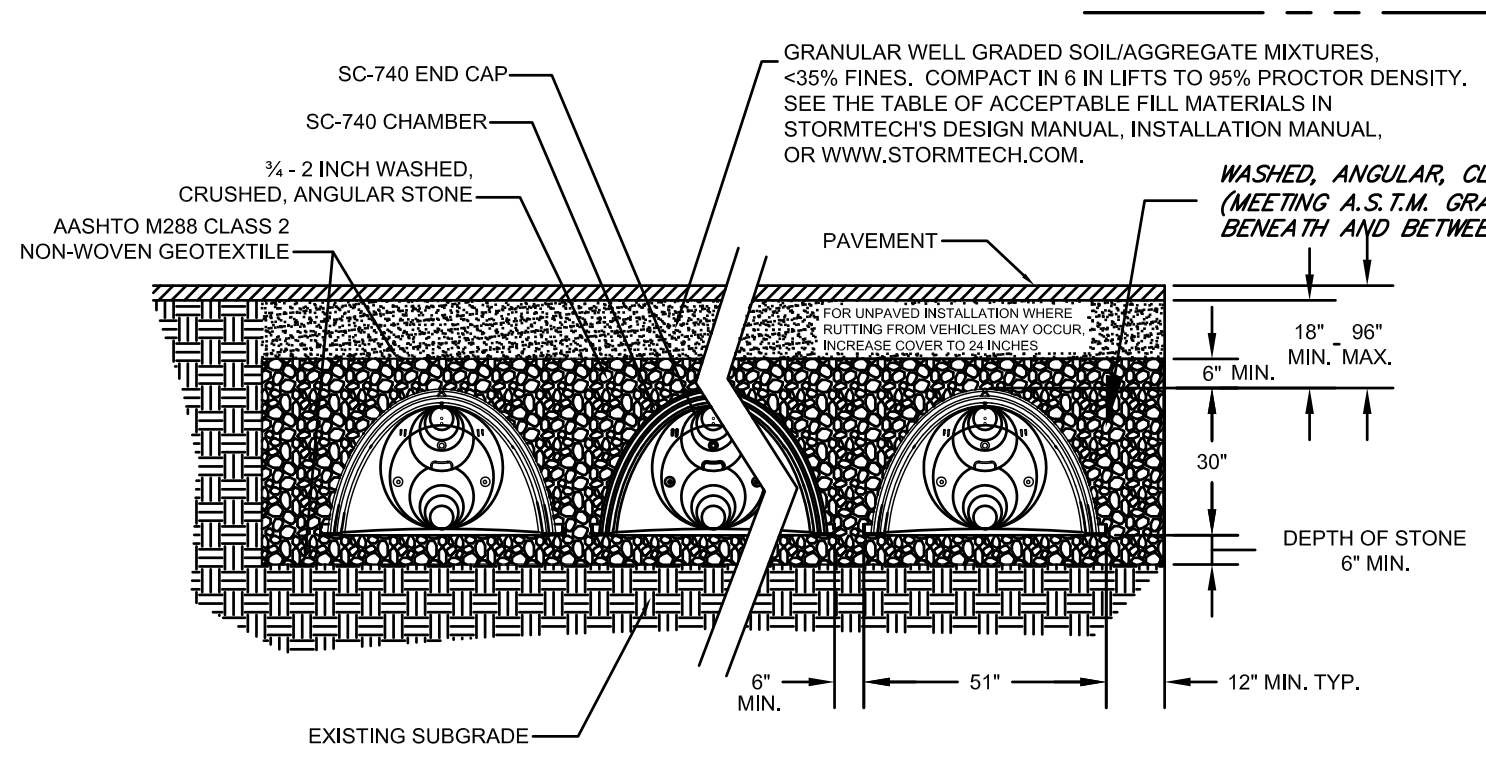
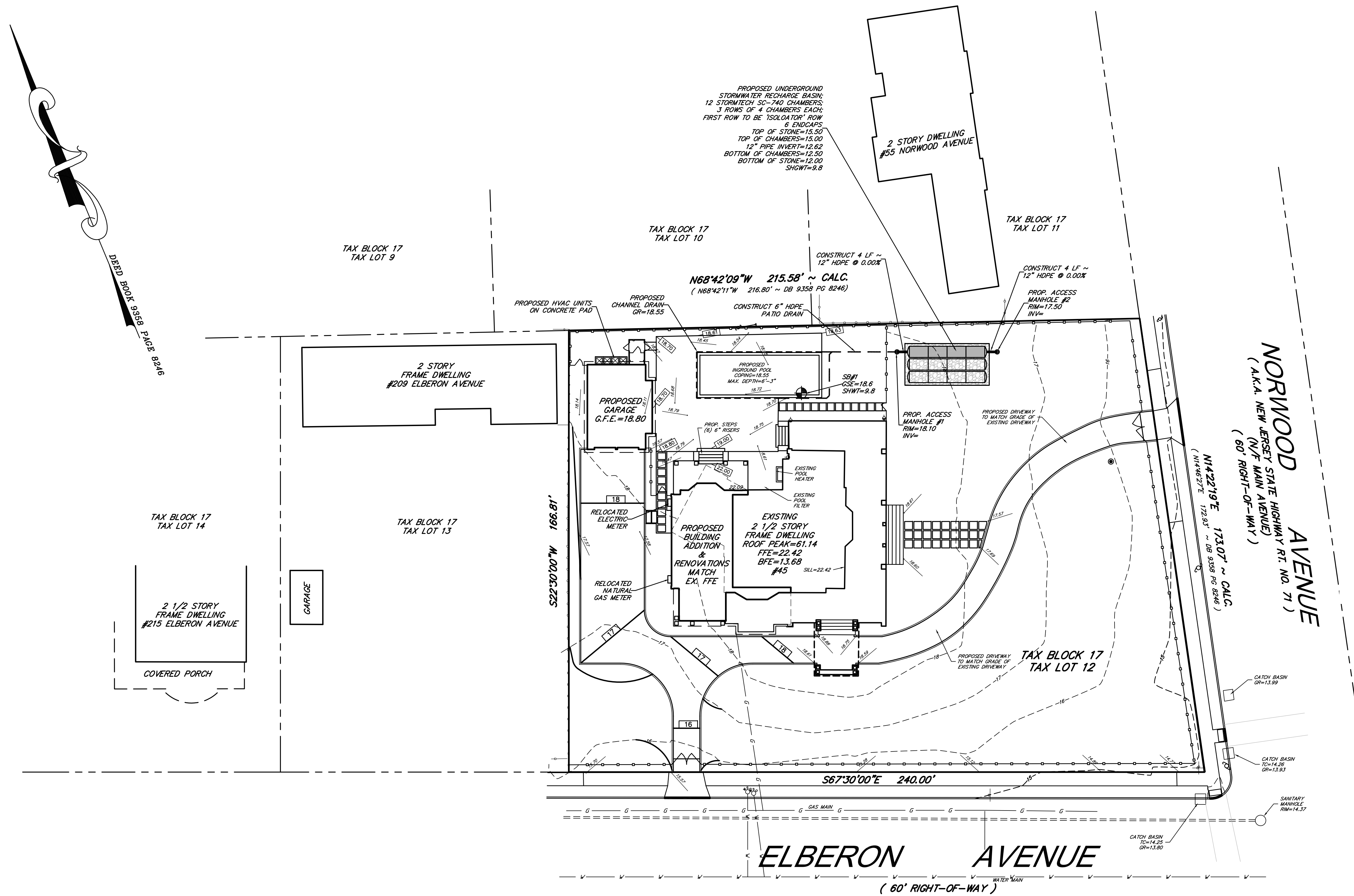
Nelson Engineering Associates, Inc.

1750 BLOOMSBURY AVENUE
 OCEAN, NEW JERSEY 07712
 TEL: (732)-918-2100 FAX (732)-918-0697
 WWW.NELSONENG.NET
 CERTIFICATE OF AUTHORIZATION # 24GA28014900

SITE ENGINEERING
 TRAFFIC ENGINEERING
 LANDSCAPE ARCHITECTURE
 ENVIRONMENTAL STUDIES
 LAND SURVEYING & MAPPING

M.R.D.
MATTHEW R. DUBOIS, P.E.
 PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 48357

SCALE: 1" = 20'	DRAWN BY: DHB	CHKD. BY: MRD
FILE: 191001	DATE: 01-28-2020	SHEET 3 OF 5



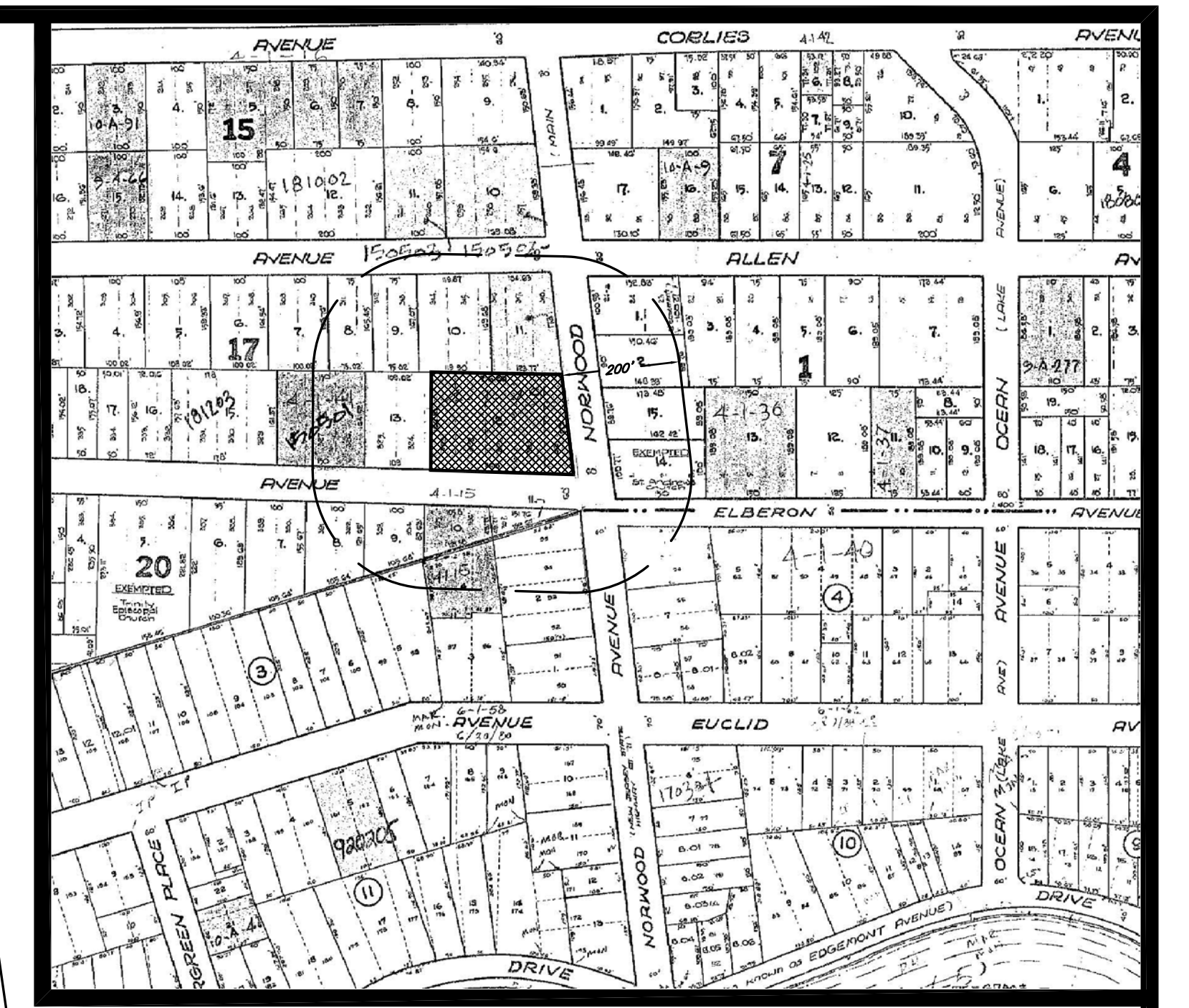
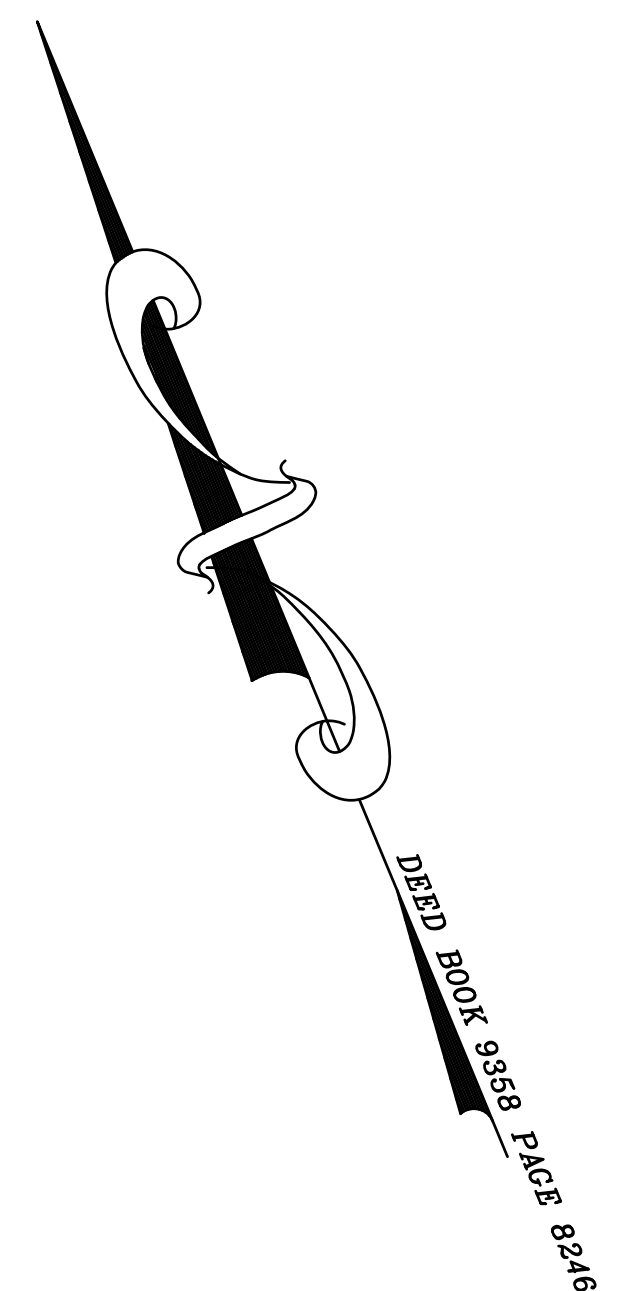
FOR STORMTECH INFORMATION CALL 1-888-892-2694

STORMTECH SC-740 CHAMBER SYSTEM
 TYPICAL CROSS SECTION DETAIL
 NOT TO SCALE

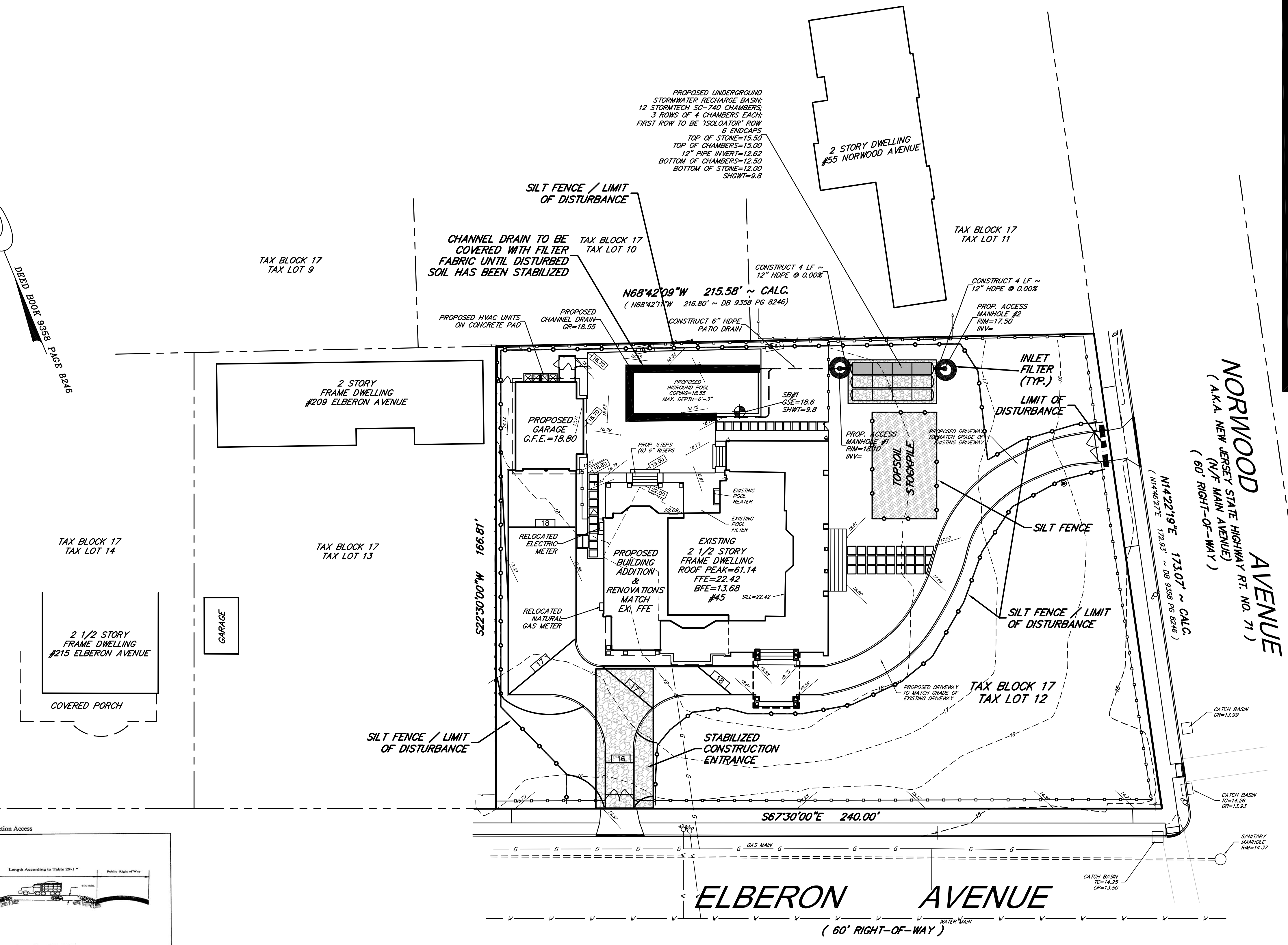
STORMTECH SC-740 CHAMBER

NOMINAL CHAMBER SPECIFICATIONS
 SIZE (W x H x INSTALLED LENGTH) 51.0\"/>

FOR STORMTECH INFORMATION CALL 1-888-892-2694



KEY MAP



NORWOOD AVENUE
(A.K.A. NEW JERSEY STATE HIGHWAY RT. NO. 71)
(60' RIGHT-OF-WAY)

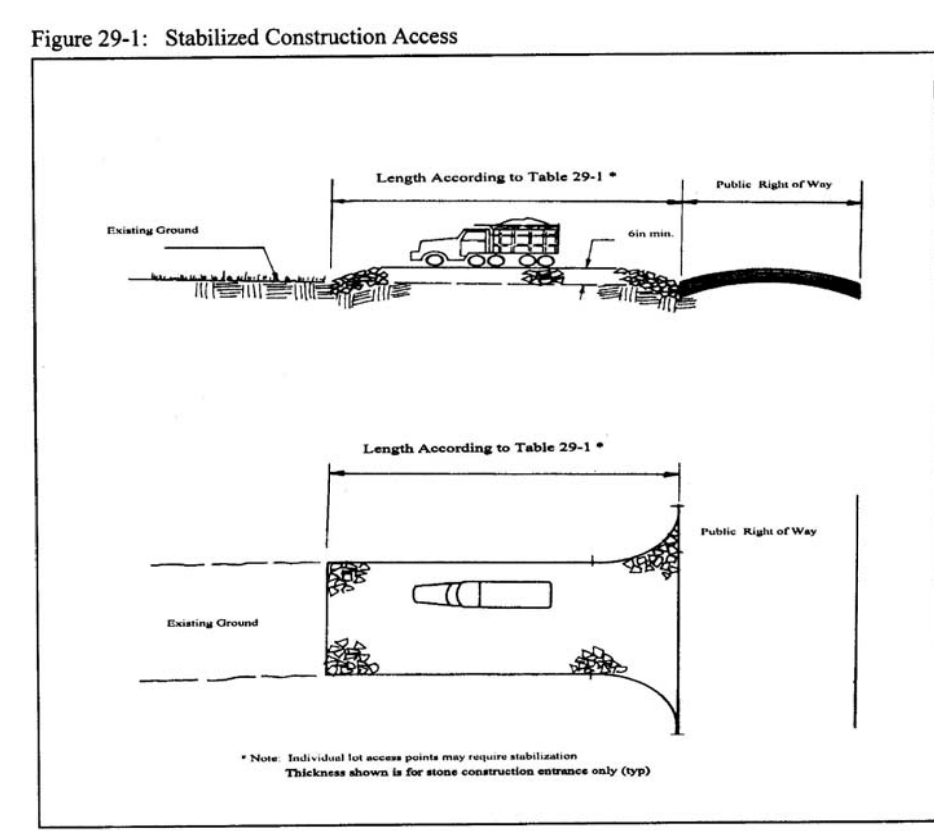
ELBERON AVENUE
(60' RIGHT-OF-WAY)

SITE PLAN APPROVAL
BOROUGH OF ALLENHURST
PLANNING BOARD

PLANNING BOARD CHAIRMAN

SECRETARY

ENGINEER

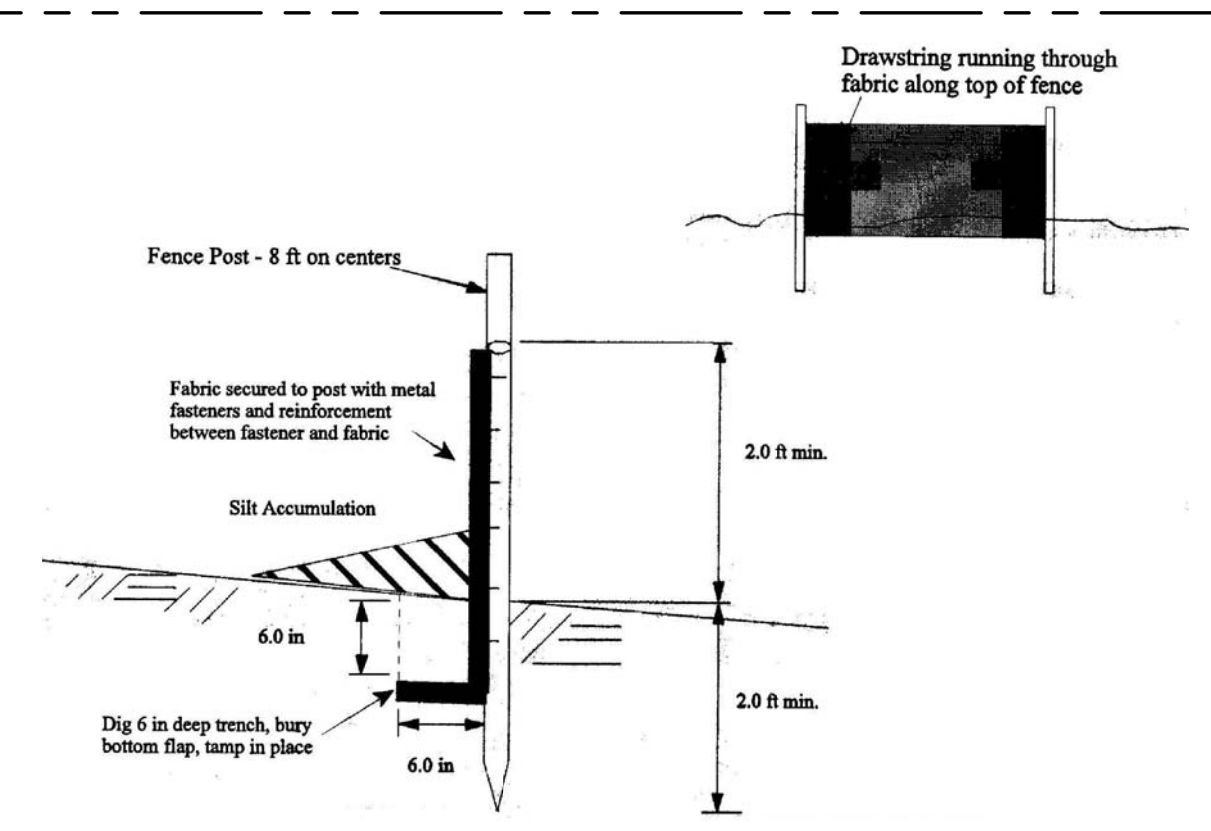


TEMPORARY CONSTRUCTION ENTRANCE DETAIL

Table 29-1: Lengths of Construction Exits on Sloping Roadbeds

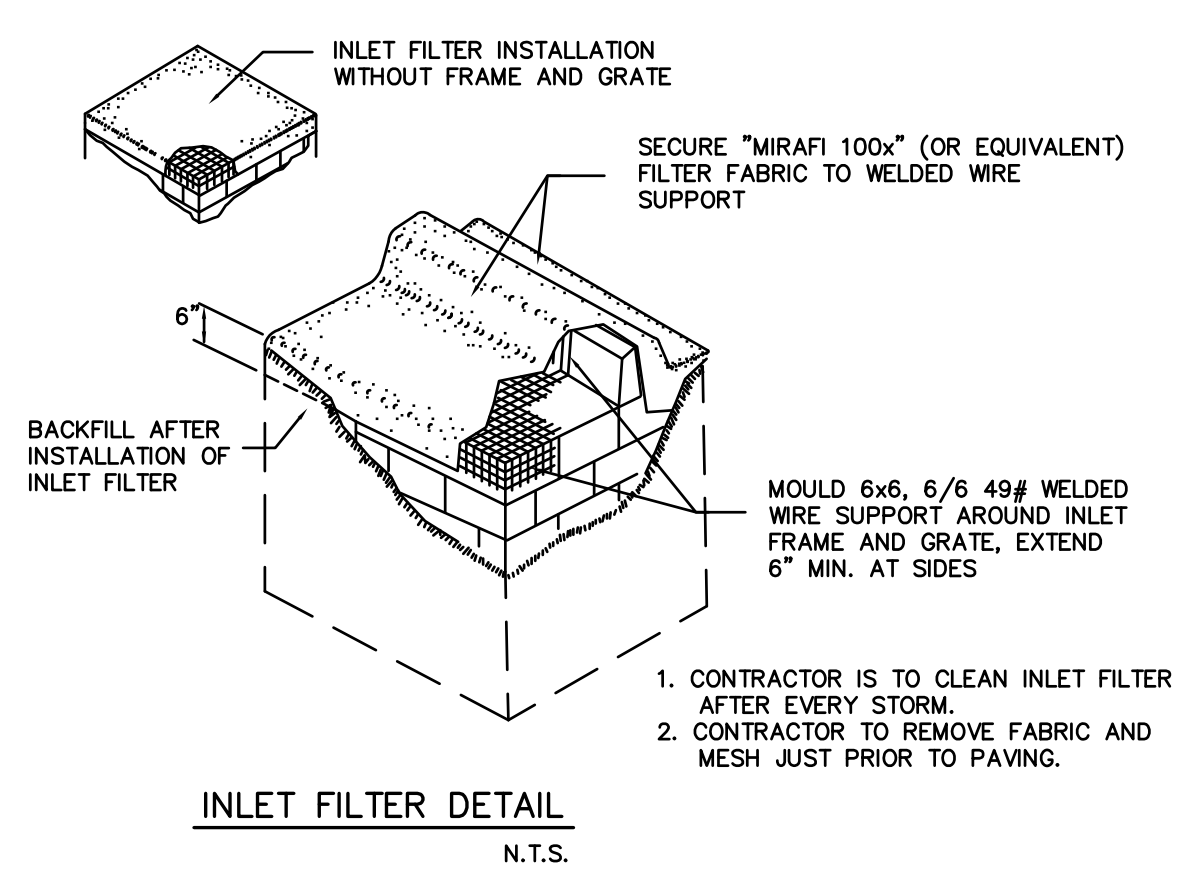
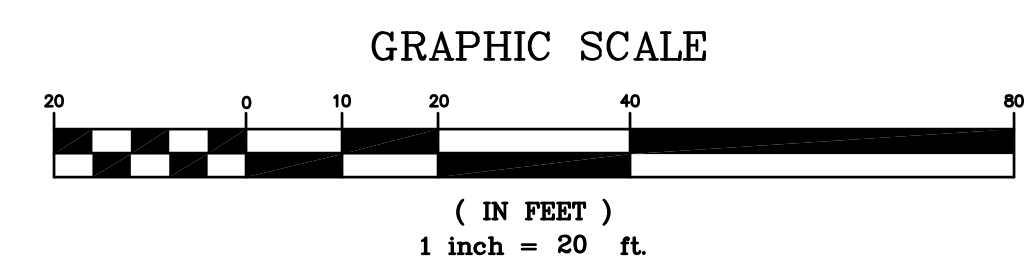
Percent Slope of Roadway	Length of Stone Required	
	Coarse Grained Soils	Fine Grained Soils
0 to 2%	50 ft	100 ft
2 to 5%	100 ft	200 ft
>5%	Entire surface stabilized with FABC base course ¹	

1. As prescribed by local ordinance or other governing authority.



SILT FENCE DETAIL

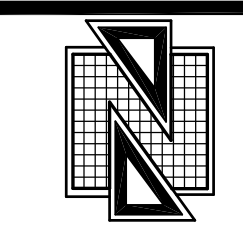
EXISTING PROPERTY CONDITIONS TAKEN FROM A CERTAIN MAP ENTITLED "SURVEY OF PROPERTY FOR 45 NORWOOD AVENUE TAX BLOCK 17, TAX LOT 12 BOROUGH OF ALLENHURST MONMOUTH COUNTY, NEW JERSEY (TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)", PREPARED BY NELSON ENGINEERING ASSOCIATES, INC., SIAD MAP DATED NOV. 11, 2019.



INLET FILTER DETAIL
N.T.S.

NO.	ADDED SURVEY REF. & AVG. SETBACK CALC. REVISION DESCRIPTION	DATE	2-18-20	DHB	MRD

SOIL EROSION AND SEDIMENT CONTROL PLAN
FOR
45 NORWOOD AVENUE
TAX BLOCK 17, TAX LOT 12
BOROUGH OF ALLENHURST
MONMOUTH COUNTY, NEW JERSEY
(TAX MAP REFERENCE BOROUGH OF ALLENHURST SHEET No. 3)



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SITE ENGINEERING
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SCALE: 1"=20'
FILE: 191001

DRAWN BY: DHB
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CHKD. BY: MRD
SHEET 4 OF 5

MATTHEW R. DUBOIS, P.E.
PROFESSIONAL ENGINEER NEW JERSEY LICENSE No. 48357

