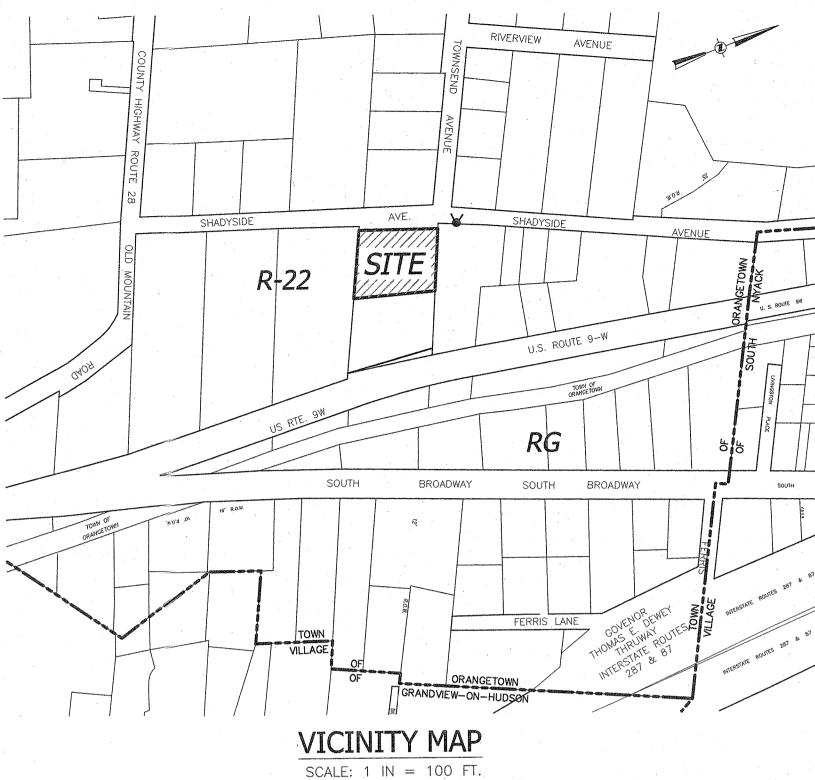


EXISTING RAILROAD TIE RETAINING WALL

N.Y.S. P.E. LIC. NO. 89066



8	1-31-22	DRAINAGE REVISION PER INFILTRATION TEST
7 .	4-5-21	PER PB SUBMISSION
6	8-7-20	REMOVE MIDDLE RET. WALL
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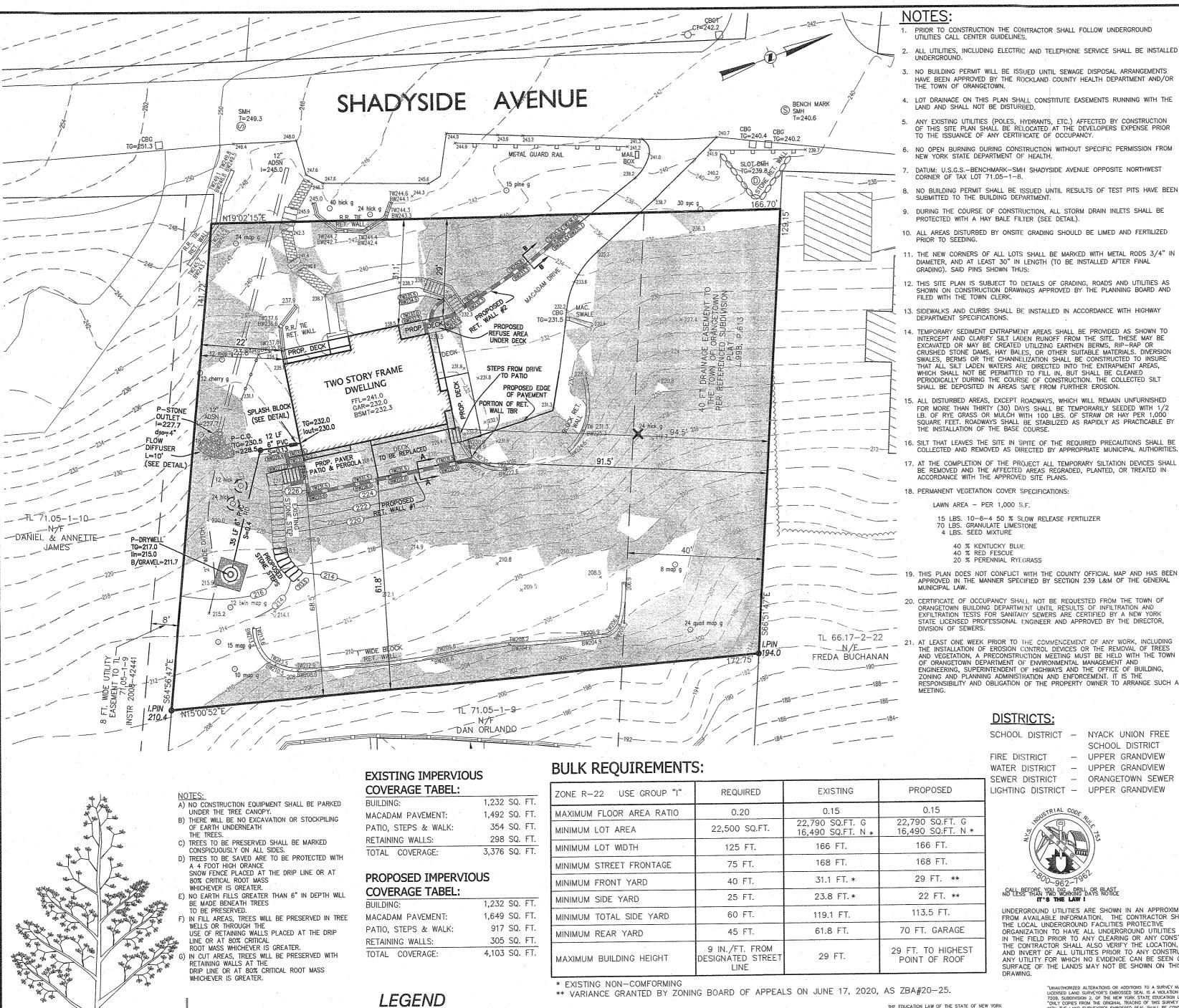
Web: www.ANZNY.com

# MANDELL RESIDENCE

TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK

# EXISTING SITE

DRAWN BY: LF	CHECKED BY: JRA
DATE: APRIL 17, 2017	SCALE: 1 IN. = 20 FT.
PROJECT NO:	DRAWING NO:
4326	



---- EXISTING 2' CONTOUR - - - - 360- - - EXISTING 10' CONTOUR

EXISTING WOOD FENCE

—(362)———— PROPOSED CONTOUR

PROPOSED ROOFDRAIN PROPOSED SILT FENCE

PROPOSED RETAINING WALL

EXISTING CATCH BASIN GRATE EXISTING SPOT ELEVATION

EXISTING UTILITY POLE

EXISTING RAILROAD TIE RETAINING WALL

CBG

OUP)

CONSTUCTION

& GRADING AREA

4 FT HIGH ORANGE SNOW

FENCE AT 80% CRITICAL

DRIPLINE WHICHEVER IS

UNDISTURBED

A TREE PROTECTION PROGRAM WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREAS WITH MANY TREES. STEPS WHICH WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES, ARE AS FOLLOWS:

TREE PROTECTION DETAIL

ZONE R-22 USE GROUP "I"	REQUIRED	EXISTING	PROPOSED
MAXIMUM FLOOR AREA RATIO	0.20	0.15	0.15
MINIMUM LOT AREA	22,500 SQ.FT.	22,790 SQ.FT. G 16,490 SQ.FT. N *	22,790 SQ.FT. G 16,490 SQ.FT. N *
MINIMUM LOT WIDTH	125 FT.	166 FT.	166 FT.
MINIMUM STREET FRONTAGE	75 FT.	168 FT.	168 FT.
MINIMUM FRONT YARD	40 FT.	31.1 FT. *	29 FT. **
MINIMUM SIDE YARD	25 FT.	23.8 FT.*	22 FT. **
MINIMUM TOTAL SIDE YARD	60 FT.	119.1 FT.	113.5 FT.
MINIMUM REAR YARD	45 FT.	61.8 FT.	70 FT. GARAGE
MAXIMUM BUILDING HEIGHT	9 IN./FT. FROM DESIGNATED STREET LINE	29 FT.	29 FT. TO HIGHEST POINT OF ROOF

OWNER OR REPRESENTATIVES APPROVAL FOR FILING

N.Y.S. P.E. LIC NO. 89066 OWNER OR REPRESENTATIVE DATE

"UNAUTHORIZED ALTERATIONS OR ADDITIONS TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S EMBOSSED SEAL IS A WIGLATION OF SECTION'7209, SUBDINISION 2, OF THE NEW YORK STATE EDUCATION LAW."
"ONLY COPIES FROM THE ORIGINAL TRACING OF THIS SURVEY MAP MARKED WITH THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES."
"CERTRICATION INDICATED HERE ON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LAND SURVEYOR'S ADOPTED BY THE DELAWARE — HUDSON LAND SURVEYOR'S ASSOCIATION. SAID CERTIFICATIONS FOR WHOM THE SURVEY WAS PREPARED. DETRITIONS ARE NOT TRANSFERABLE TO ADDITIONAL INDIVIDUALS, INSTITUTIONS ARE NOT TRANSFERABLE TO ADDITIONAL INDIVIDUAL, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS OR SUBSEQUENT OWNERS." THE EDUCATION LAW OF THE STATE OF NEW YORK PROHIBITS ANY PERSON ALTERING ANYTHING ON THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATIONS, UNLESS IT IS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, WHERE SUCH ALTERATIONS ARE MADE, THE PROFESSIONAL ENGINEER MUST SIGN, SEAL, DATE AND DESCRIBE THE FULL EXTENT OF THE ALTERATION ON THE DRAWINGS AND/OR IN THE SPECIFICITIONS. (NYS EDUCATION LAW SECTION 7209-2)

**DISTRICTS:** 

FIRE DISTRICT

SCHOOL DISTRICT - NYACK UNION FREE

WATER DISTRICT - UPPER GRANDVIEW

LIGHTING DISTRICT - UPPER GRANDVIEW

SCHOOL DISTRICT

UPPER GRANDVIEW

UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL CALL

THE LOCAL UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION TO HAVE ALL UNDERGROUND UTILITIES MARKED IN THE FIELD PRIOR TO ANY CLEARING OR ANY CONSTRUCTION.

THE CONTRACTOR SHALL ALSO VERIFY THE LOCATION, SIZE, AND INVERT OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION

ANY UTILITY FOR WHICH NO EVIDENCE CAN BE SEEN ON THE SURFACE OF THE LANDS MAY NOT BE SHOWN ON THIS



22. THE TREE PROTECTION AND PRESERVATION GUIDELINES ADOPTED PURSUANT TO SECTION 21-24 OF THE LAND DEVELOPMENT REGULATIONS OF THE TOWN OF ORANGETOWN WILL BE IMPLEMENTED IN ORDER TO PROTECT AND PRESERVE BOTH INDIVIDUAL SPECIMEN TREES AND BUFFER AREA WITH MANY TREES. STEPS THAT WILL BE TAKEN TO PRESERVE AND PROTECT EXISTING TREES TO REMAIN ARE AS

A) NO CONSTRUCTION EQUIPMENT SHALL BE PARKED UNDER THE TREE

CANOPY. B) THERE WILL BE NO EXCAVATION OR STOCKPILING OF EARTH UNDERNEATH THE TREES.

C) TREES DESIGNATED TO BE PRESERVED SHALL BE MARKED CONSPICUOUSLY

ON ALL SIDES AT A 5 TO 10 FOOT HEIGHT. D) THE TREE PROTECTION ZONE FOR TREES DESIGNATED TO BE PRESERVED WILL BE ESTABLISHED BY ONE OF THE FOLLOWING

ONE (1) FOOT RADIUS FROM TRUNK PER INCH DBH.

DRIP LINE OF THE TREE CANOPY. THE METHOD CHOSEN SHOULD BE BASED ON PROVIDING THE MAXIMUM PROTECTION ZONE POSSIBLE. A BARRIER OF SNOW FENCE OR EQUAL IS TO BE PLACED AND MAINTAINED ONE YARD BEYOND THE ESTABLISHED TREE PROTECTION
ZONE, IF IT IS AGREED THAT THE TREE PROTECTION ZONE OF A SELECTED TREE MUST BE VIOLATED, ONE OF THE FOLLOWING METHODS MUST BE EMPLOYED TO MITIGATE THE IMPACT:

LIGHT TO HEAVY IMPACTS — MINIMUM OF EIGHT INCHES OF WOOD CHIPS INSTALLED IN THE AREA TO BE PROTECTED. CHIPS SHALL BE REMOVED UPON COMPLETION OF WORK

LIGHT IMPACTS ONLY - INSTALLATION OF 3/4 INCH OF PLYWOOD OR BOARDS, OR EQUAL OVER THE AREA TO BE PROTECTED.

THE BUILDER OR ITS AGENT MAY NOT CHANGE GRADE WITHIN THE TREE PROTECTION ZONE OF A PRESERVED TREE UNLESS SUCH GRADE CHANGE HAS RECEIVED FINAL APPROVAL FROM THE PLANNING BOARD. IF THE GRADE LEVEL IS TO BE CHANGED MORE THAN SIX (6) INCHES, TREES DESIGNATED TO BE PRESERVED SHALL BE WELLED AND/OR PRESERVED IN A RAISED BED, WITH THE TREE WELL A RADIUS OF THREE (3) FEET LARGER THAN THE TREE CANOPY.

- 23. ADDITIONAL CERTIFICATION, BY AN APPROPRIATE LICENSED OR CERTIFIED DESIGN PROFESSIONAL SHALL BE REQUIRED FOR ALL MATTERS BEFORE THE PLANNING BOARD INDICATING THAT THE DRAWINGS AND PROJECT ARE IN COMPLIANCE WITH THE STORMWATER MANAGEMENT PHASE II REGULATIONS.
- 24. PRIOR TO THE COMMENCEMENT OF ANY SITE WORK, INCLUDING THE REMOVAL OF TREES, THE APPLICANT SHALL INSTALL THE SOIL EROSION AND SEDIMENTATION CONTROL AS REQUIRED BY THE PLANNING BOARD, PRIOR TO THE AUTHORIZATION TO PROCEED WITH ANY PHASE OF THE SITE WORK, THE TOWN OF ORANGETOWN DEPARTMENT OF ENVIRONMENTAL MANAGEMENT AND ENGINEERING (DEME) SHALL I INSPECT THE INSTALLATION OF ALL REQUIRED SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE APPLICANT SHALL CONTACT DEME AT LEAST 48 HOURS IN ADVANCE FOR AN INSPECTION.

#### LOT AREA CALCULATION:

GROSS AREA	- 50% OF 25%+ SLOPE	NET AREA
22,790 SQ.FT.	6,300 SQ.FT.	16,490 SQ.FT.

#### SLOPE LEGEND:



SLOPE = 25% +

TREE LEGEND

DENOTES TREE TO REMAIN DENOTES TREE TO BE REMOVED

( ) DENOTES TREE PROTECTION

### **OWNER & APPLICANT**

EDUARD MANDELL 26 SHADYSIDE AVE. NYACK, NY 10960

### TAX MAP REFERENCE

TOWN OF ORANGETOWN SECTION 71.05, BLOCK 1, LOT 8

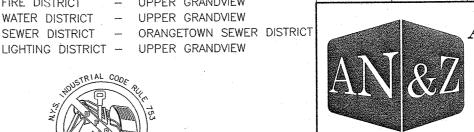
# LOT AREA:

22,790 SQ.FT. (GROSS)

### SUBDIVISION REFERENCE:

SUBDIVISION ENTITLED "MARK VANDERBILT" FILED IN ROCKLAND COUNTY CLERK'S OFFICE ON FEBRUARY 20, 1973, BOOK 85, PAGE 26, MAP NO. 4373.

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REVISION	DATE	DESCRIPTION
	7 6 5 4 3 2	7 4-5-21 6 8-7-20 5 7-2-20 4 2-10-20 3 8-29-19 2 7-18-19 1 6-16-17



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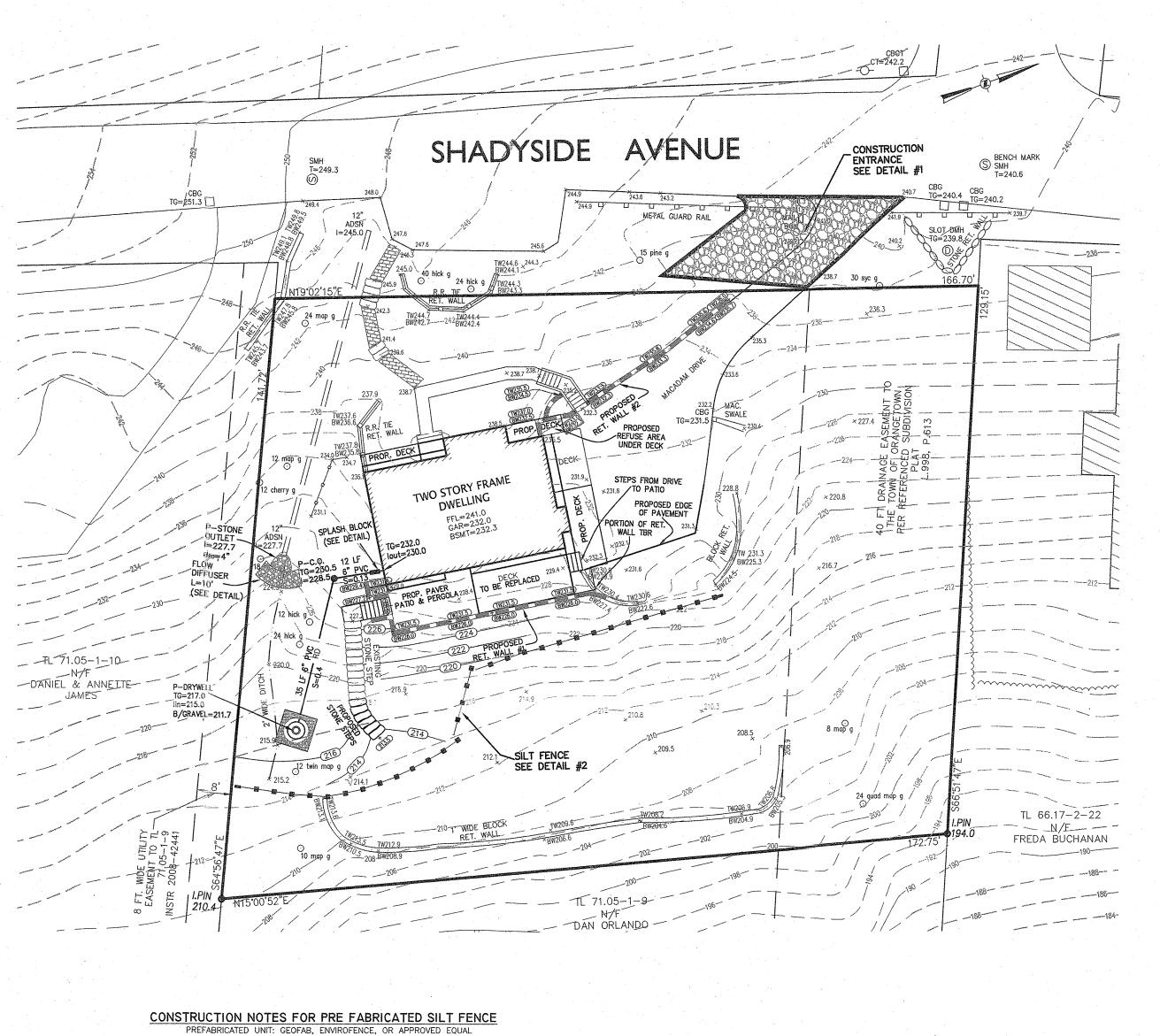
PROJECT:

# MANDELL RESIDENCE

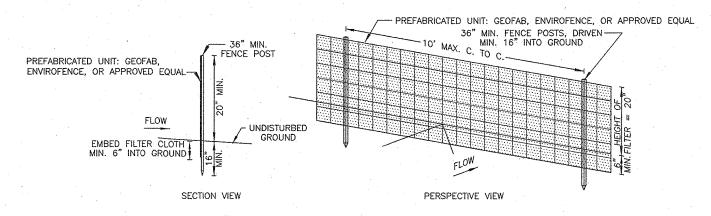
TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK

# SITE DEVELOPMENT PLAN

	1276	
Γ	PROJECT NO:	DRAWING NO:
	DATE: APRIL 17, 2017	SCALE: 1 IN. = 20 FT.
ľ	DRAWN BY: LF	CHECKED BY: JRA

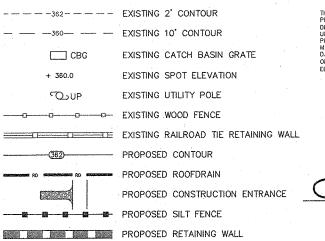


- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- 2. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



SILT FENCE DETAIL #2

### **LEGEND**



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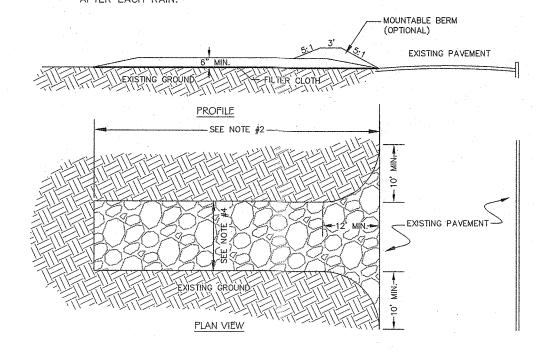
VALID TRUE COPIES."

"CERTIFICATION INDICATED HERE ON SIGNIFY THAT THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE FOR LY SURVEYOR'S ADOPTED BY THE DELAWARE — HUDSON LAND SURVEYOR'S ASSOCIATION. SAID CERTIFICATIONS SHALL RUN ONLY TO THOSE NAMED INDIVIDUALS AND/OR INSTITUTIONS FOR WHOM THE SURVEY WAS PREPARED CERTIFICATIONS, ARE NOT TRANSFERABLE TO ADDITIONAL INDIVIDUALS, INSTITUTIONS, THEIR SUCCESSORS AND/OR ASSIGNS OR SUBSEQUENT OWNERS."



#### SPECIFICATIONS FOR CONSTRUCTION ENTRANCE

- 1. STONE SIZE USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE
- 2. LENGTH NOT LESS THAN 50 FT. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FT. MINIMUM LENGTH WOULD APPLY).
- 3. THICKNESS NOT LESS THAN 6 IN..
- 4. WIDTH 12 FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCUR. 24 FT. IF SINGLE ENTRANCE
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACEMENT OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE
- 7. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT—OF—WAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT—OF—WAYS MUST BE REMOVED IMMEDIATELY.
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS TO AN APPROVED SEDIMENT TRAPPING
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



### CONSTRUCTION ENTRANCE DETAIL #1

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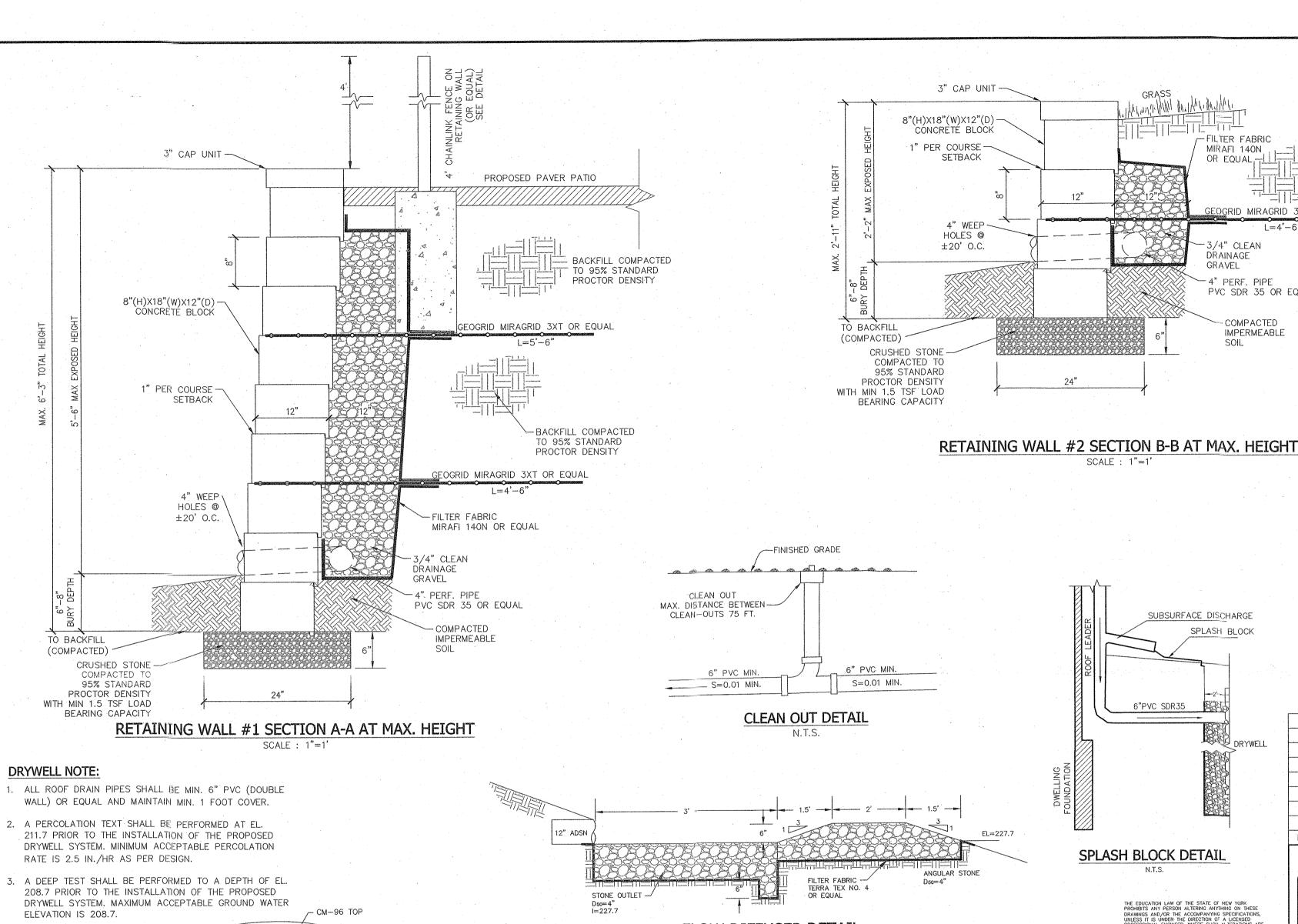
PROJECT:

# MANDELL RESIDENCE

TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK

# **EROSION AND SEDIMENT** CONTROL PLAN

DRAWN BY: LF	CHECKED BY: JRA
DATE: APRIL 17, 2017	SCALE: 1 IN. = 20 FT.
PROJECT NO:	DRAWING NO:
4326	3



### DRYWELL MAINTENANCE SCHEDULE:

6" DIA KNOCKOUT

FILTER FABRIC-

8'-0"

PLAN VIEW

SIDES & BOTTOM

1.5" CRUSHED

STONE SIDES &

PIPE IN 6" PVC SDR35

R EQUAL 1=215.0

1'-0"

DRYWELL DETAIL

ELEVATION IS 208.7.

ROOF

PIPE IN

OR EQUAL 1=215.0

DETAIL OF HOLES

EXTENSION RINGS TO PROVIDE ACCESS AT FINISHED GRADE

6' DIAM. X 5' HIGH PRE-CAST CONCRETE SEEPAGE PIT

24" MIN.

1.5"- 2.5"

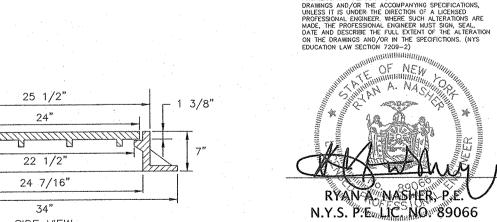
DIAMETER CLEAN

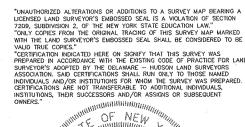
ELEVATION VIEW

- THE PROPERTY OWNER IS RESPONSIBLE FOR THE LONG TERM OPERATION AND MAINTENANCE OF THE PROPOSED
- ANNUAL MAINTENANCE REQUIREMENTS TO THE TOWN OF ORANGETOWN BUILDING DEPARTMENT AND CONSULTING ENGINEER.
- PERFORMED BY HAND
- MONTHLY: CHECK FOR TRASH, DEBRIS, EROSION/DAMAGE AT DRYWELL MANHOLE COVER, SPLASH BLOCK AND OVERLAND FLOW AREA, DEWATERS BETWEEN STORMS
- ANNUALLY: CHECK SEDIMENT ACCUMULATION AND PRESENCE OF OIL IN THE DRYWELL STRUCTURES. WHEN THE DEPTH OF SEDIMENT REACHES 2", THE SEDIMENT

SOLID REMOVABLE

PLAN VIEW





-FILTER FABRIC

MIRAFI 140N

-3/4" CLEAN

4" PERF. PIPE

PVC SDR 35 OR EQUAL

COMPACTED

IMPERMEABLE

DRAINAGE

GRAVEL

SPLASH BLOCK

GEOGRID MIRAGRID 3XT OR EQUAL

BACKFILL COMPACTED
TO 95% STANDARD
PROCTOR DENSITY



### INFILTRATION TEST RESULTS TEST HOLE #1

INFILTRATION TEST AT A DEPTH OF 84 INCHES

TRAIL NUMBER  1 2 3	DROP IN 60 MINUTES  19.5 INCHES  18.5 INCHES  18 INCHES
4 SOIL LOG 0'-32" 32"-120"	19.5 INCHES  SOIL TYPE  TOP SOIL  SILT, CLAY & ROCKS

GROUNDWATER FOUND AT 120 INCHES (10 FEET) DEEP.

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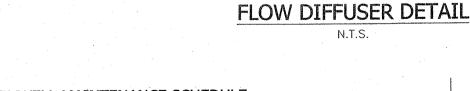
PROJECT:

### MANDELL RESIDENCE

TOWN OF ORANGETOWN ROCKLAND COUNTY, NEW YORK

# **DETAILS**

DRAWN BY: LF	CHECKED BY: JRA
DATE: APRIL 17, 2017	SCALE: 1 IN. = 10 FT.
PROJECT NO:	DRAWING NO:
4326	4



SYSTEM.

2. THE HOMEOWNER TO PROVIDE VERIFICATION OF THE

3. THE MAINTANCE FOR THE DRYWELL MUST BE

SHALL BE REMOVED. ALSO, ANY PRESENCE OF OIL SHALL BE REMOVED IMMEDIATELY.

• ANNUALLY: CHECK THE CONDITION OF TH DRYWELL STRUCTURE.

SIDE VIEW

DRYWELL MANHOLE SOLID COVER DETAIL