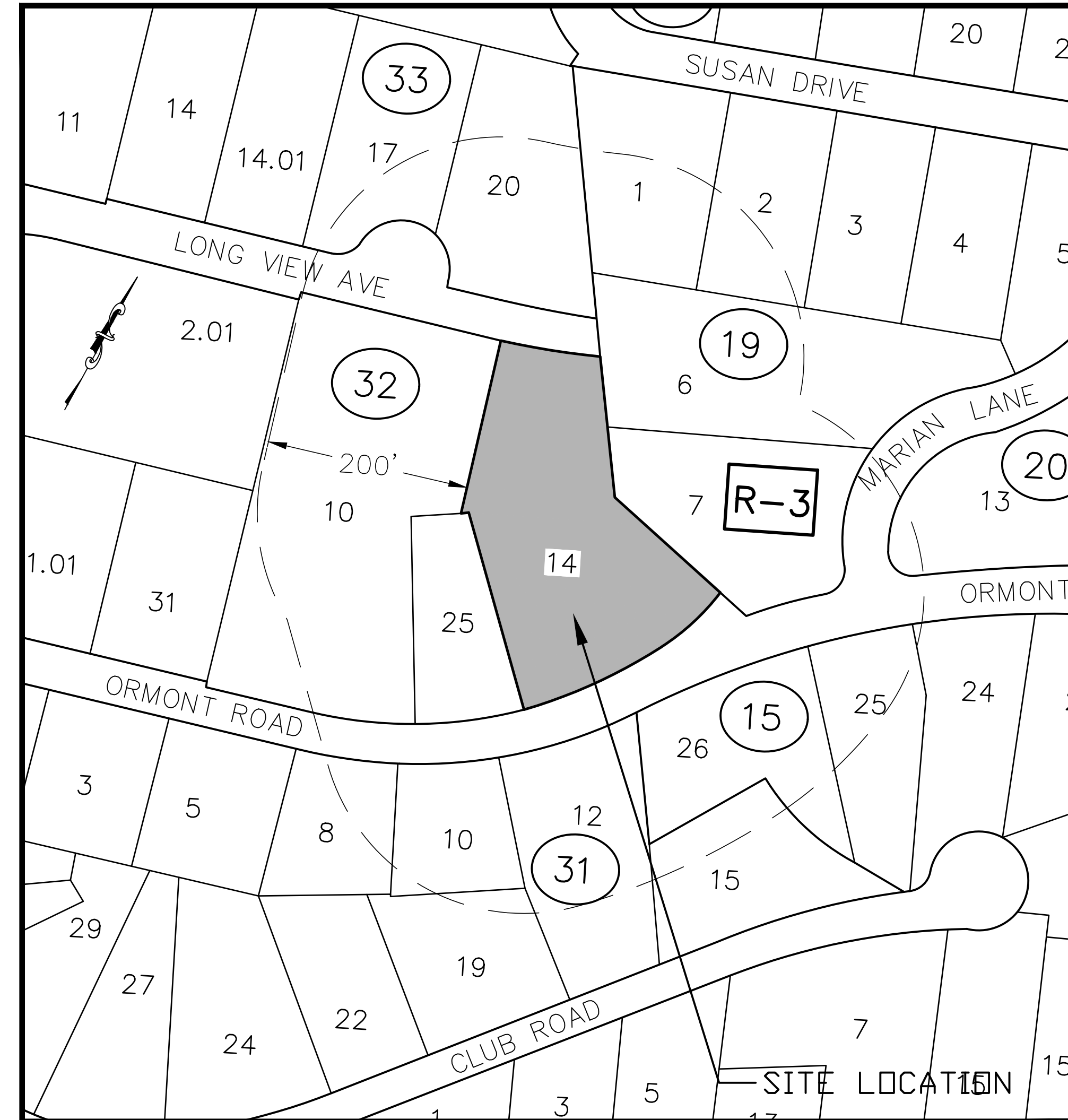


# VARIANCE APPLICATION PLAN

PREPARED FOR  
**75 ORMONT ROAD**  
 BLOCK 32; LOT 14  
 TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY  
 FEBRUARY 19, 2024

**200' PROPERTY OWNERS LIST**  
 TOWNSHIP OF CHATHAM

BLOCK	LOT	OWNER	BLOCK	LOT	OWNER
15	24	MUMCUOGLU, TASKIN/RAHSAN 88 ORMONT RD CHATHAM, NJ 07928	31	10	OTTE, DOUGLAS/KELLY 68 ORMONT RD CHATHAM, NJ 07928
15	25	NIMBALKAR, JAGDISH&SHITOLE,PRIYANKA 82 ORMONT RD CHATHAM, NJ 07928	31	12	CAPRAROLA, JOSEPH A/CAROL A 70 ORMONT RD CHATHAM, NJ 07928
15	26	RADWILL, WILLIAM D & DIANE M 78 ORMONT RD CHATHAM, NJ 07928	31	15	POLAVARAPU, PRADEEP & USHA 21 CLUB RD CHATHAM, NJ 07928
19	1	MILLER, RICHARD C & ANNA MARIE 71 SUSAN DR CHATHAM, NJ 07928	31	19	BUCKLEY, TIMOTHY/KATIE 11 CLUB RD CHATHAM, NJ 07928
19	2	WEIR, BENJAMIN/ELIZABETH 67 SUSAN DR CHATHAM, NJ 07928	32	10	MCHUGH, MARTIN & ELISABETH 61 ORMONT RD CHATHAM, NJ 07928
19	6	LIU, WEIMIN & YINGLU ZHANG 7 MARIAN LN CHATHAM, NJ 07928	32	14	HAMER, PATRICKS/ KRISTA JAMIESON 75 ORMONT RD CHATHAM, NJ 07928
19	7	BARRON, RICHARD N & ALICE K 81 ORMONT RD CHATHAM, NJ 07928	32	25	SHERMAN, JOHN N & ELISE WOLTER 67 ORMONT RD CHATHAM, NJ 07928
20	13	MOLISANI, MARK & SPELMAN, LISA 89 ORMONT RD CHATHAM, NJ 07928	33	17	CHOLANKERIL,MICHELLE & GROVER,KUNAL 111 LONG VIEW AVE CHATHAM, NJ 07928
31	8	DAICHMAN, BARRY 64 ORMONT RD CHATHAM, NJ 07928	33	20	115 LONGVIEW, LLC 115 LONG VIEW AVE CHATHAM, NJ 07928



**KEY MAP**  
 SCALE 1"=100'

**GENERAL NOTES**

- THE TRACT IS KNOWN AS LOT 14 OF BLOCK 32 AS SHOWN ON THE TOWNSHIP OF CHATHAM, MORRIS COUNTY, AS SHOWN ON MUNICIPAL TAX MAP SHEET #24, REVISED 5/9/2016. LOT 14 CONTAINS 50,515 sf (1.16 ACRES) AND IS LOCATED IN THE R-3 RESIDENTIAL DISTRICT.  
 OWNER/APPLICANT : HAMER, PATRICK & KRISTA JAMIESON  
 75 ORMONT ROAD  
 CHATHAM, NJ 07928
- BOUNDARY INFORMATION AND EXISTING FEATURES TAKEN FROM "EXISTING CONDITIONS SURVEY BLOCK 32 LOT 14" PREPARED BY PATTERSON SURVEYING & ENGINEERING, LLC DATED 10/9/23.
- ELEVATIONS HEREIN REFERENCE NAVD88
- EXISTING SITE CONDITIONS - RESIDENTIAL SINGLE FAMILY HOME SURROUNDED BY RESIDENTIAL USES
- CONTRACTOR TO COORDINATE ALL UTILITY INSTALLATIONS AND RELOCATIONS, AS REQUIRED.
- AVAILABLE DATA SHOWS NO EVIDENCE OF FLOOD HAZARD AREAS OR FRESHWATER WETLANDS ON SITE (FEMA FIRM MAP AND NJ GEOWEB)
- CONSTRUCTION OF A RETAINING WALL IN THE REAR YARD OF THE SITE IS PROPOSED. SITE TOPOGRAPHY REQUIRES DISTURBANCE OF STEEP SLOPES GREATER THAN 25% EXCEEDING 500 SF FOR THIS CONSTRUCTION
- ALL TREE STUMPS, MASONRY AND OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF TWO FEET BELOW EXISTING OR FINISHED GRADE, WHICHEVER IS LOWER.
- STRUCTURAL RETAINING WALL DESIGNED BY STRUCTURAL WORKSHOP, LLC AND DETAILS FOR SAME CAN BE FOUND IN THEIR PLANS FOR THIS PROJECT.

**ZONING REQUIREMENTS FOR**  
 R-4 MEDIUM DENSITY SINGLE-FAMILY RESIDENTIAL ZONE

ITEM	REQUIRED	EXISTING	PROPOSED
LOT AREA (min.)	20,000 SF	50,515 SF	50,515 SF
LOT DEPTH (min.)	200'	320'±	320'±
LOT WIDTH AT STREET (min.)	90'	218'	218'
LOT WIDTH AT SETBACK (min.)	100'	193'	193'
FRONT SETBACK (min.)	50'	49.6'*	49.6'*
REAR SETBACK (min.)	50'	224.5'	224.5'
SIDE SETBACK (min.)	15'	28.1'	28.1'
COMBINED SIDE SETBACK (min.)	30% (59.7'±)	49.3% (98.1')	49.3% (98.1')
BUILDING COVERAGE (max.)	4,431 SF	3,173 SF	3,173 SF
IMPERVIOUS COVERAGE (max.)	11,577 SF	6,918 SF	7,158 SF
BUILDING HEIGHT (max.)	35'	<35'	<35'
STORIES (max.)	2½ STORIES	2 STORIES	2 STORIES

\* - DENOTES EXISTING NON-CONFORMITY

**INDEX OF DRAWINGS**

SHEET#	DRAWING TITLE	LAST REVISED
1	COVER SHEET	
2	SITE IMPROVEMENTS / GRADING & DRAINAGE PLAN	
3	SLOPE DISTURBANCE PLAN	
4	SOIL EROSION & SEDIMENT CONTROL PLAN	

APPROVED BY THE BOARD OF ADJUSTMENT OF THE TOWNSHIP OF CHATHAM ON \_\_\_\_\_

ATTEST:

CHAIRPERSON \_\_\_\_\_ DATE \_\_\_\_\_

SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_

ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

**PROPERTY OWNER'S CONSENT STATEMENT**

I HEREBY CERTIFY THAT I AM THE CURRENT AND LEGALLY RECOGNIZED OWNER OF THE PROPERTY FOR WHICH THIS APPLICATION IS BEING SUBMITTED - LOCATED AT:

32 BLOCK(S) 14 LOT(S)  
CHATHAM TWP MUNICIPALITY MORRIS COUNTY

OWNER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

-NOTICE-  
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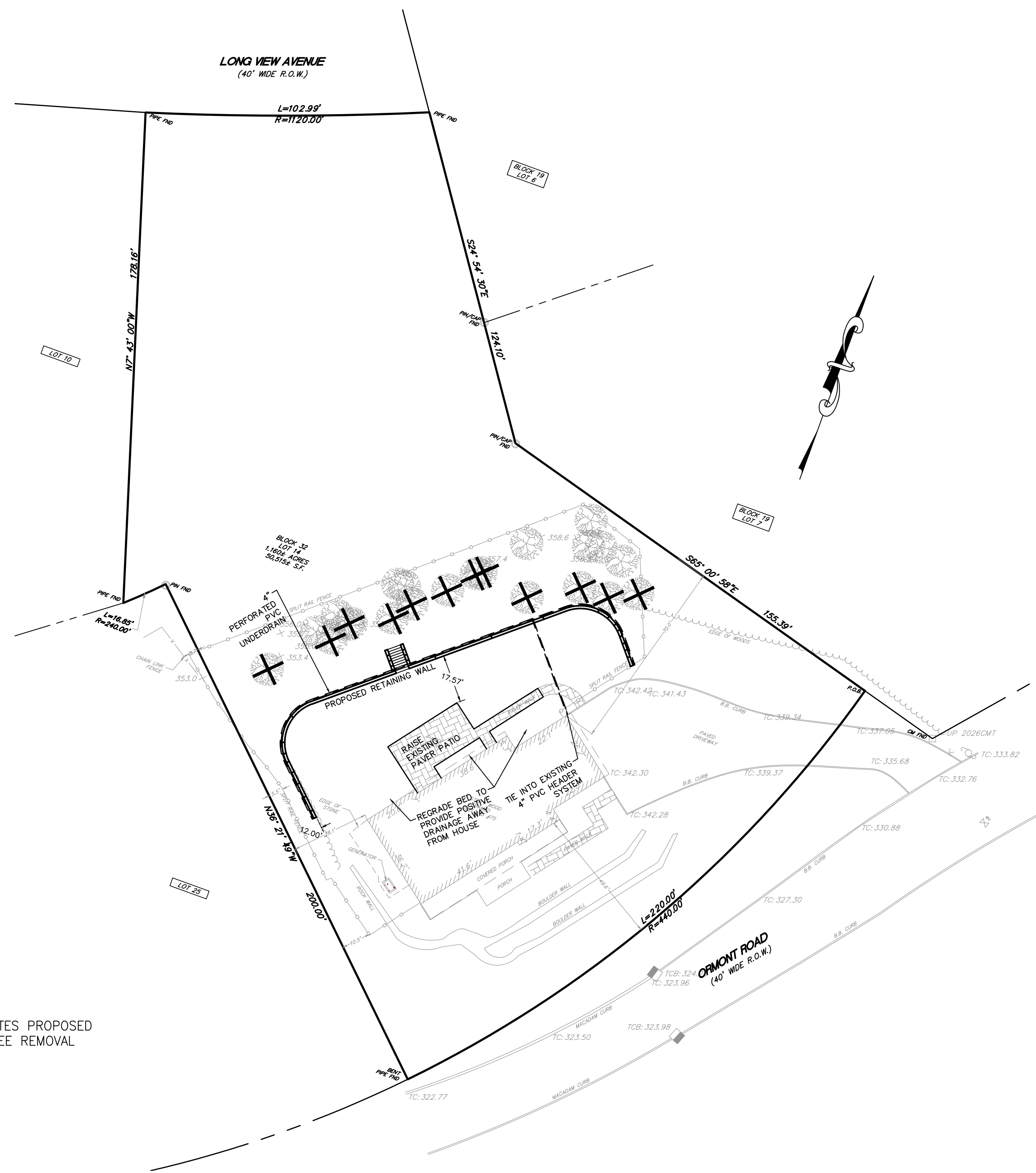
*Charles J. Witczak III*  
**CHARLES J. WITCZAK III**  
 PROFESSIONAL ENGINEER, N.J. LIC. No. GE34467

**Witczak**  
 ENGINEERING, Inc.  
 Consulting Engineers and Planners  
 CERTIFICATE OF AUTHORIZATION 24G628177500

952 ROUTE 9 SOUTH  
 FLOOR 2, UNIT 3  
 BAYVILLE, NJ 08721  
 TEL (848) 221-2017  
 FAX (908) 292-1060

**COVER SHEET**  
 75 ORMONT ROAD  
 BLOCK 32 - LOT 14  
 TAX MAP #24  
 TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY

PROJECT NO	DATE
23-020	2/19/24
DRAWN BY	DESIGNED BY
99	99
SCALE	DRAWN BY
1"=100'	55
WITCZAK ENGINEERING	
SHEET NO.	1 of 4

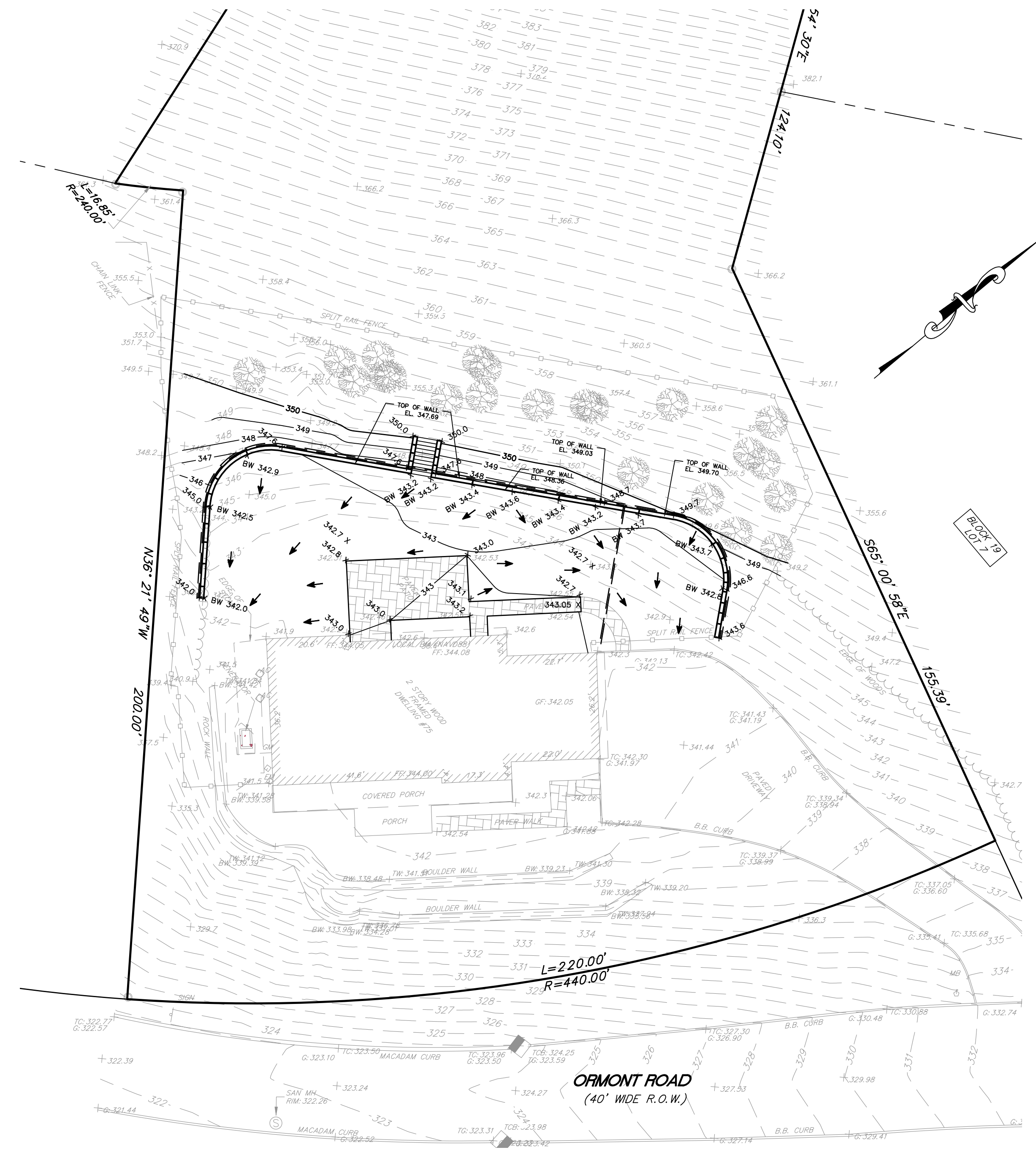


**SITE IMPROVEMENTS PLAN**

SCALE: 1"=30'

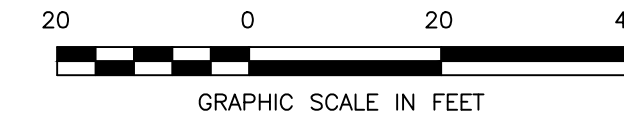


**X** DENOTES PROPOSED TREE REMOVAL



**GRADING AND DRAINAGE PLAN**

SCALE: 1"=20'

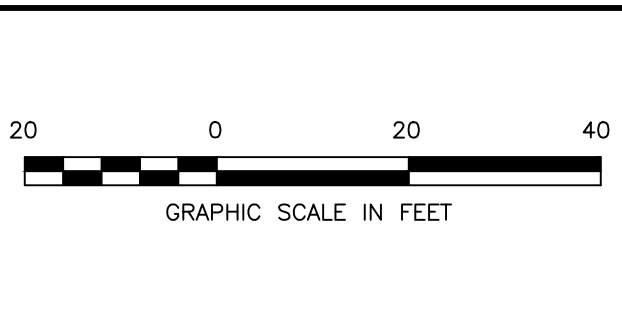


**NOTES:**

1. THE TRACT IS KNOWN AS LOT 14 OF BLOCK 32 AS SHOWN ON THE TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY TAX MAP SHEET #24. LOT 14 CONTAINS 50,515± sf (1.16 ACRES) AND IS LOCATED IN THE R-3 RESIDENTIAL ZONE.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM "EXISTING CONDITIONS SURVEY; BLOCK 32 LOT 14; 75 ORMONT ROAD, CHATHAM TOWNSHIP, MORRIS COUNTY, N.J." PREPARED BY PATTERSON SURVEYING & ENGINEERING, LLC. DATED 10/09/23.
3. ELEVATIONS SHOWN REFERENCE NAVD88.
4. CONTRACTOR TO COORDINATE ALL UTILITY INSTALLATIONS AND RELOCATIONS, AS REQUIRED.
5. AVAILABLE DATA SHOWS NO EVIDENCE OF WETLANDS OR FLOOD HAZARD AREAS ON SITE (NJ GEOWEB AND FEMA FIRM)
6. EXISTING SITE CONSISTS OF A SINGLE FAMILY HOME AND IS SURROUNDED BY RESIDENTIAL USES.
7. CONSTRUCTION OF A RETAINING WALL IN THE REAR YARD IS PROPOSED.
8. ALL TREE STUMPS, MASONRY AND OTHER OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF TWO FEET BELOW EXISTING OR FINISHED GRADE, WHICHEVER IS LOWER.
9. STRUCTURAL RETAINING WALL DESIGNED BY STRUCTURAL WORKSHOP, LLC AND DETAILS FOR SAME CAN BE FOUND IN THEIR PLANS FOR THIS PROJECT.

REVISION NO.	DATE	REVISION

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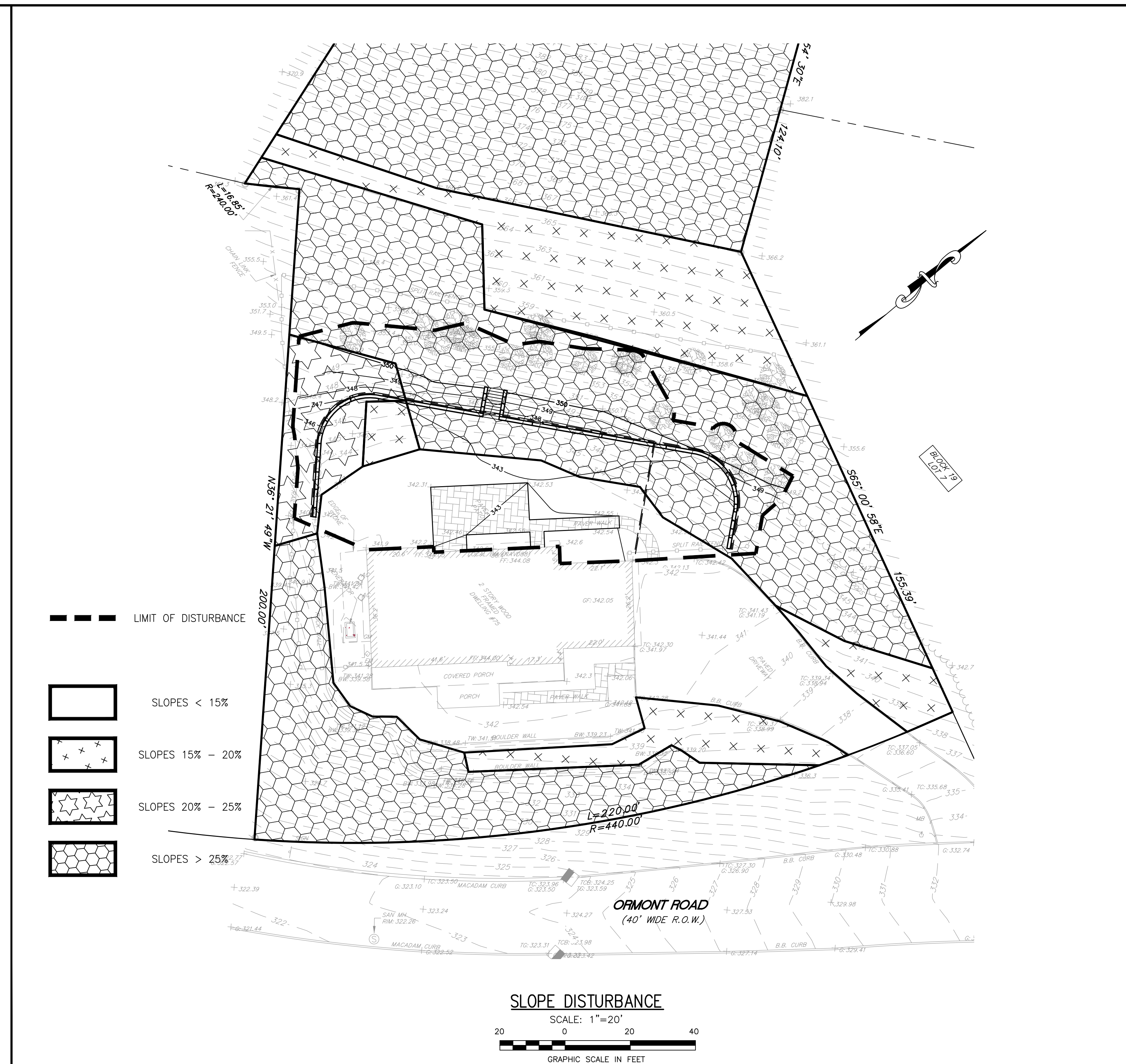
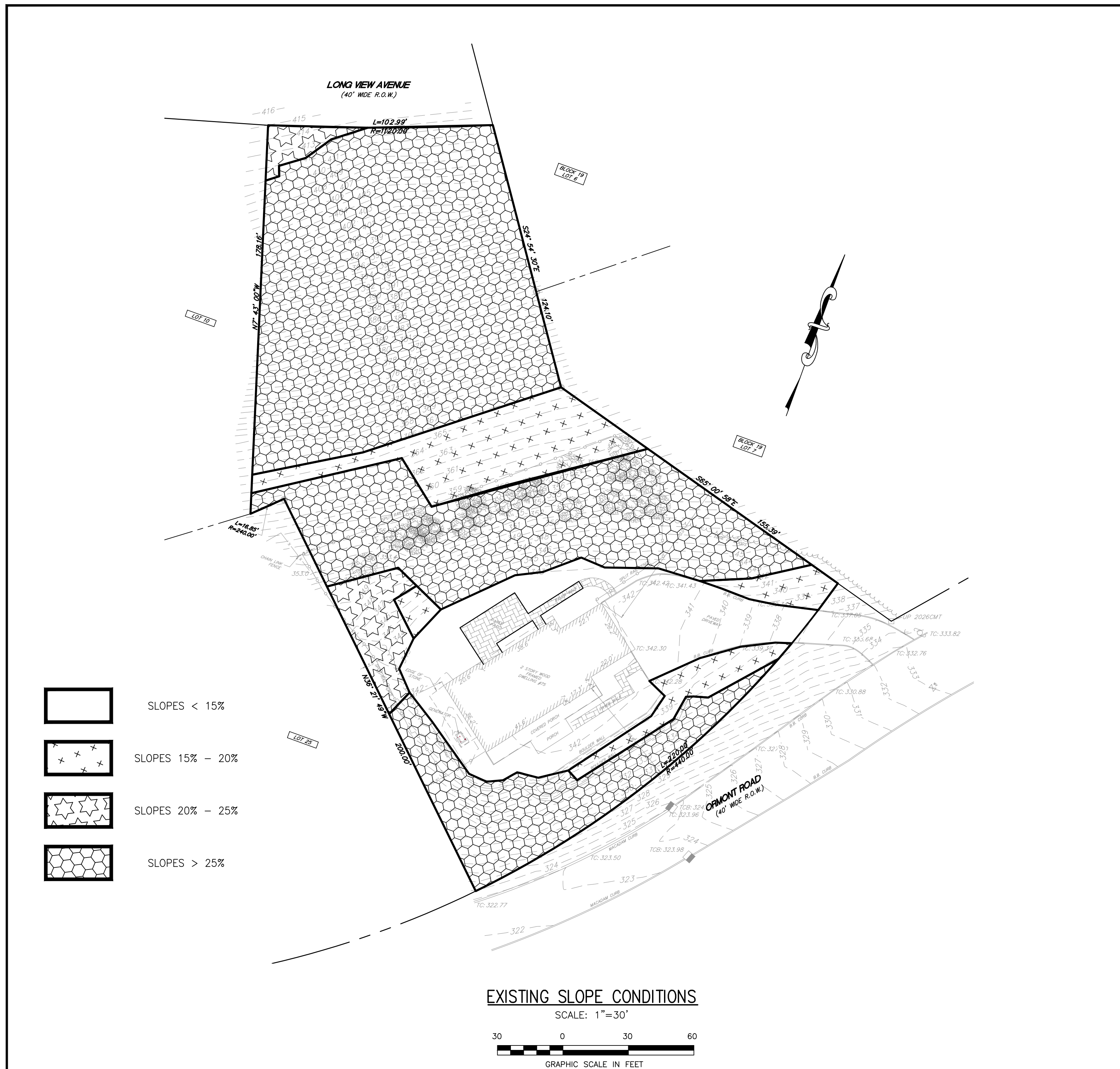
*Charles J. Witczak III*  
**CHARLES J. WITCZAK III**  
PROFESSIONAL ENGINEER, N.J. LIC. No. GE34467

**Witczak ENGINEERING, Inc.**  
Consulting Engineers and Planners  
CERTIFICATE OF AUTHORIZATION 24GA28177500

952 ROUTE 9 SOUTH  
UNIT 3  
BAYVILLE, NJ 08721  
TEL (848) 221-2017  
FAX (908) 292-1060

SOIL EROSION & SEDIMENT CONTROL PLANS  
**SITE IMPROVEMENTS/GRADING AND DRAINAGE PLAN**  
75 ORMONT ROAD  
TAX MAP # 24 - BLOCK 32; LOT 14  
TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY

PROJECT NO. 23-020	DATE 2/19/24
DRAWN BY 99	DESIGNED BY 99
CHECKED BY AS NOTED	DATE 55
WITCZAK ENGINEERING	
SHEET NO. 2 of 4	



- SLOPES < 15%
- SLOPES 15% - 20%
- SLOPES 20% - 25%
- SLOPES > 25%

- LIMIT OF DISTURBANCE
- SLOPES < 15%
- SLOPES 15% - 20%
- SLOPES 20% - 25%
- SLOPES > 25%

**EXISTING SLOPE CONDITIONS**  
SCALE: 1"=30'  
30 0 30 60  
GRAPHIC SCALE IN FEET

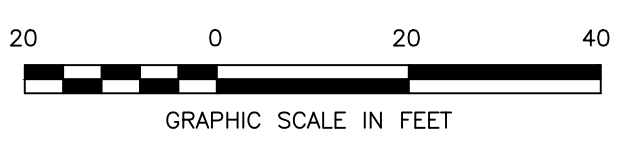
**SLOPE DISTURBANCE**  
SCALE: 1"=20'  
20 0 20 40  
GRAPHIC SCALE IN FEET

	TOTAL AREA ON SITE	DISTURBED AREA
	SLOPES < 15% 10,886 SF	2,813 SF (25.8%)
	SLOPES 15% - 20% 1,907 SF	1,109 SF (58.2%)
	SLOPES 20% - 25% 5,908 SF	262 SF (4.4%)
	SLOPES > 25% 31,814 SF	4,413 SF (13.9%)
	<b>50,515 SF</b>	<b>8,597 SF (17.0%)</b>

- SLOPES < 15%
- SLOPES 15% - 20%
- SLOPES 20% - 25%
- SLOPES > 25%

REVISION NO.	DATE	REVISION

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SOIL EROSION & SEDIMENT CONTROL PLANS  
**SLOPE DISTURBANCE PLAN**  
75 ORMONT ROAD  
TAX MAP # 24 - BLOCK 32; LOT 14  
TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY

PROJECT NO	DATE
23-020	2/19/24
DRAWN BY	DESIGNED BY
99	99
SCALE	CHECKED BY
AS NOTED	55
WITCZAK ENGINEERING	
SHEET NO.	3 of 4

**Stabilization notes** (Rates are all per 1,000 square feet)

- Prepare seedbed. All debris must be removed from topsoil (5" minimum depth) before work is performed.
  - Apply ninety (90) pounds ground limestone (or as determined by a soil test).
  - Apply eleven (11) pounds 10-10-10 fertilizer (or as determined by a soil test).
  - Apply seed using one of the seeding mixtures below. All seed must be incorporated or ranked into the soil.
  - Apply ninety (90) pounds straw mulch. All straw mulch must be properly tacked (anchored).
- Note: At the time of the final inspection, you are required to submit a soil compaction mitigation verification form. You must also provide confirmation that the proper type and amount of seed, lime and fertilizer have been used for permanent stabilization work.

**SEEDING MIXTURES FOR HOME LAWNS: All seed must be incorporated or ranked into the soil.**

MIX #	Plant Species	Seeding Rate (pounds per 1,000 square feet)
MIX # 1	Tall fescue (nut-type)	6.0
	Perennial ryegrass	0.5
	Kentucky bluegrass	0.5
MIX # 2	Hard fescue	7.0 pounds per 1,000 square feet
	(Strong) Creeping red fescue	3.0
	Chewing fescue	1.0
	Perennial ryegrass	25
MIX # 3	Hard fescue	5.25 pounds per 1,000 square feet
	Perennial ryegrass	4.0
	Kentucky bluegrass	1.0
		1.0
		6.0 pounds per 1,000 square feet

At the time of application for a construction permit, the applicant/owner of each lot shall submit two (2) signed and sealed Soil Erosion and Sediment Control Plans to the Ocean County Soil Conservation District for review and approval.

**Construction Schedule**

1. Clearing of lot(s).
2. Installation of temporary Soil Erosion and Sediment control measures must be installed at the initiation of land distribution activities. All temporary soil erosion measures must be included (silt fence along paved streets), stone tracking pad and inlet protection).
3. Construction of dwelling unit(s).
4. Soil compaction testing and/or subsoil compaction remediation. Testing and/or restoration of compacted soils (through deep scarification tillage - 6" minimum depth) shall be done prior to the placement of topsoil. Soil compaction testing must be witnessed by an OCSOCD inspector.
5. Topsoil (5" minimum depth) and final grading of lot(s).
6. Permanent stabilization of lot(s).

**STANDARDS FOR DUST CONTROL**

**DEFINITION:**  
THE CONTROL OF DUST ON CONSTRUCTION SITES AND ROADS.

**PURPOSE:**  
TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON- AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

**WHERE APPLICABLE:**  
THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON- AND OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT. CONSULT WITH LOCAL MUNICIPAL ORDINANCES ON ANY RESTRICTIONS.

**PLANNING CRITERIA:**  
THE FOLLOWING METHODS SHOULD BE CONSIDERED FOR CONTROLLING DUST MULCHES: SEE STANDARDS FOR STABILIZATION WITH MULCHES ONLY (PG. 5-1)

**VEGETATIVE COVER:** SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER (PG. 7-1), PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION (PG. 4-1), AND PERMANENT STABILIZATION WITH SOD (PG. 6-1).

**SPRAY-ON ADHESIVES:** ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

	WATER DILUTION	TYPE OF NOZZLE	APPLY GAL./AC.
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM) - SPRAY ON POLYACRYLAMIDE (PAM) - DRY SPRAY		APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS. SEE SEDIMENT BASIN STANDARDS (PG. 26-1)	
ACIDULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1,200

**TILLAGE:** TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, AND SPRING-TOOTHED HARROWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

**SPRINKLING:** SITE IS SPRINKLED UNTIL THE SURFACE IS WET.

**BARRIERS:** SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.

**CALCIUM CHLORIDE:** SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEP SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.

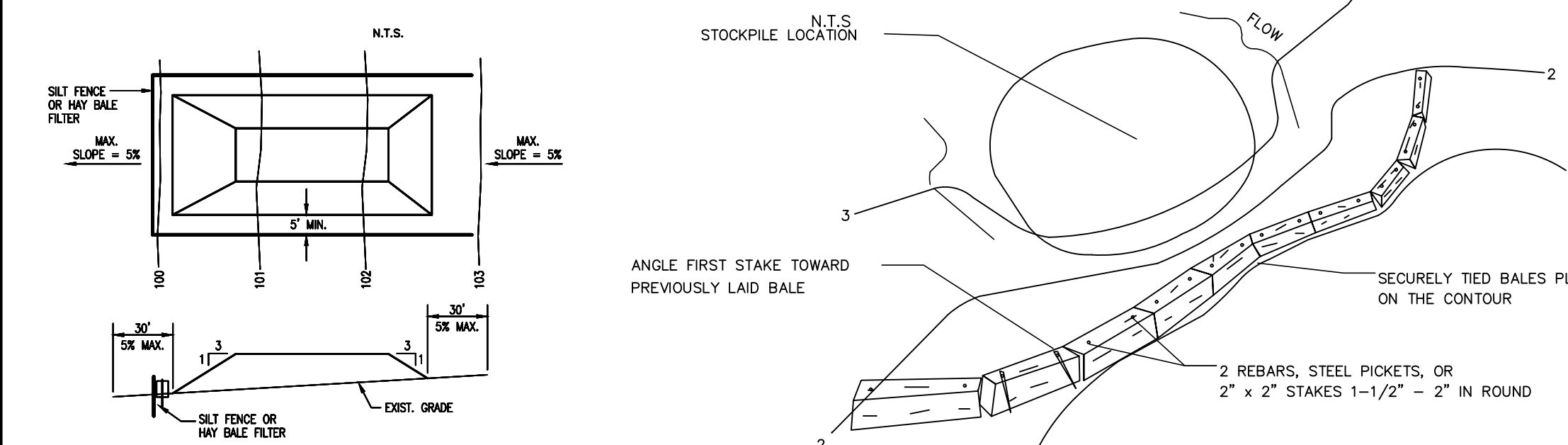
**STONE:** COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

**Morris County Soil Conservation District  
Soil Erosion and Sediment Control Notes**

1. All Soil Erosion and Sediment Control Practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey, and will be in place prior to any major soil disturbance or in their proper sequence and maintained until permanent protection is established.
2. Any disturbed area that will be left exposed for more than fourteen (14) days and not subject to construction traffic shall immediately receive a temporary seeding. If the season prohibits temporary seeding, the disturbed areas will be mulched with straw or hay and tacked in accordance with the New Jersey Standards. See Note 22 below.
3. Permanent vegetation is to be established on exposed areas within ten (10) days after final grading. Mulch is to be used for protection until vegetation is established. See Note 23 below.
4. Immediately following initial disturbance or rough grading. All critical areas (steep slopes, sandy soils, wet conditions) subject to erosion will receive a temporary seeding in accordance with Note 22 below.
5. Temporary Diversion Berms are to be installed on all cleared roadways and easement areas. See the Diversion Detail.
6. Permanent Seeding and stabilization to be in accordance with the "Standard for Permanent Vegetative Cover for Soil Stabilization". Specified rates and locations shall be on the approved Soil Erosion and Sediment Control Plan.
7. The site shall at all times be graded and maintained so that all stormwater runoff is diverted to Soil Erosion and Sediment Control facilities.
8. All sedimentation structures (silt fence, inlet filters, and sediment basins) will be inspected and maintained daily.
9. Stockpiles shall not be located within 50' of a floodplain, slope, drainage facility, or roadway. All stockpiles bases shall have a silt fence properly entrenched at the toe of slope.
10. A Stabilized Construction Access will be installed, whenever an earthen road intersects with a paved road. See the Stabilized Construction Access detail and chart for dimensions.
11. All new roadways will be treated with suitable sub base upon establishment of final grade elevations.
12. Paved roadways must be kept clean at all times.
13. Before discharge points become operational, all storm drainage outlets will be stabilized as required.
14. All dewatering operations must be discharged directly into a sediment filter area. The filter should be composed of a fabric or approved material. See the Dewatering detail.
15. All sediment basins will be cleaned when the capacity has been reduced by 50%. A clean out elevation will be identified on the plan and a marker installed on the site.
16. During and after construction, the applicant will be responsible for the maintenance and upkeep of the drainage structures, vegetation cover, and any other measures deemed appropriate by the District. Said responsibility will end when completed work is approved by the Morris County Soil Conservation District.
17. All trees outside the disturbance limit indicated on the subject plan or those trees within the disturbance area which are designated to remain after construction are to be protected with tree protection devices. See the Tree Protection detail.
18. The Morris County Soil Conservation District may request additional measures to minimize on site or off site erosion problems during construction.
19. The Morris County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance, and a pre-construction meeting held.
20. Contractor to set up a meeting with the inspector for periodic inspections of the Temporary Sediment Basin prior to and during its construction.
21. **Topsoil Stockpile Protection**
  - a) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
  - b) Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
  - c) Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft.
  - d) Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
  - e) Apply a liquid mulch binder or tack to straw or hay mulch.
  - f) Property entrench a silt fence at the bottom of the stockpile.
22. **Temporary Stabilization Specifications**
  - a) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft.
  - b) Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
  - c) Apply Perennial Ryegrass seed at 1 lb. per 1000 sq. ft.
  - d) Mulch disturbed soil with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
  - e) Apply a liquid mulch binder or tack to straw or hay mulch.
23. **Permanent Stabilization Specifications**
  - a) Apply topsoil to a depth of 5 inches (unsettled).
  - b) Apply Ground Limestone at a rate of 90 lbs per 1000 sq. ft. and work four inches into soil.
  - c) Apply fertilizer (10-20-10) at a rate of 11 lbs. per 1000 sq. ft.
  - d) Apply Hard Fescue seed at 2.7 lbs. per 1000 sq. ft. and Creeping Red Fescue seed at 0.7 lbs per 1000 sq. ft. and Perennial Ryegrass seed at 0.25 lbs per 1000 sq. ft.
  - e) Mulch stockpile with straw or hay at a rate of 90 lbs. per 1000 sq. ft.
  - f) Apply a liquid mulch binder or tack to straw or hay mulch.

**\*NOTE: 48 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE IN WRITING, SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT AND A PRE-CONSTRUCTION MEETING HELD.**

January 2015



**REQUIREMENTS FOR BALE BARRIER (E.G. STRAW, HAY OR OTHER ACCEPTABLE VEGETATIVE MATERIAL):**

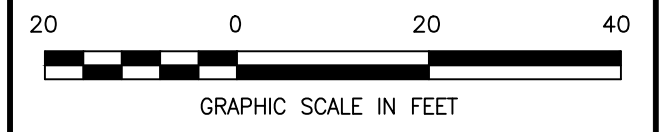
1. ALL BALES SHALL BE SECURELY TIED AND STAKED ON THE CONTOUR.
2. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
3. EACH BALE SHALL BE EMBEDDED IN THE SOILS A MINIMUM OF 4 INCHES.
4. BALES SHALL BE SECURELY ANCHORED IN PLACE BY TWO STAKES OR RE-BARS DRIVEN THROUGH EACH BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN THROUGH THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.

**STOCKPILE STABILIZATION PLACEMENT AND ANCHORING DETAIL**

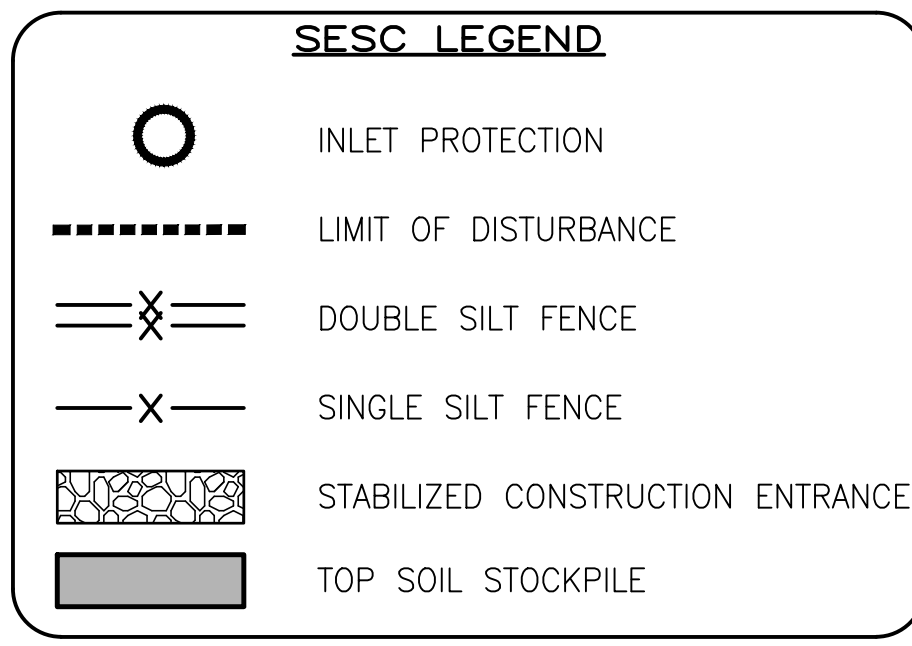
**TOPSOIL STOCKPILE**

REVISION NO.	DATE	REVISION

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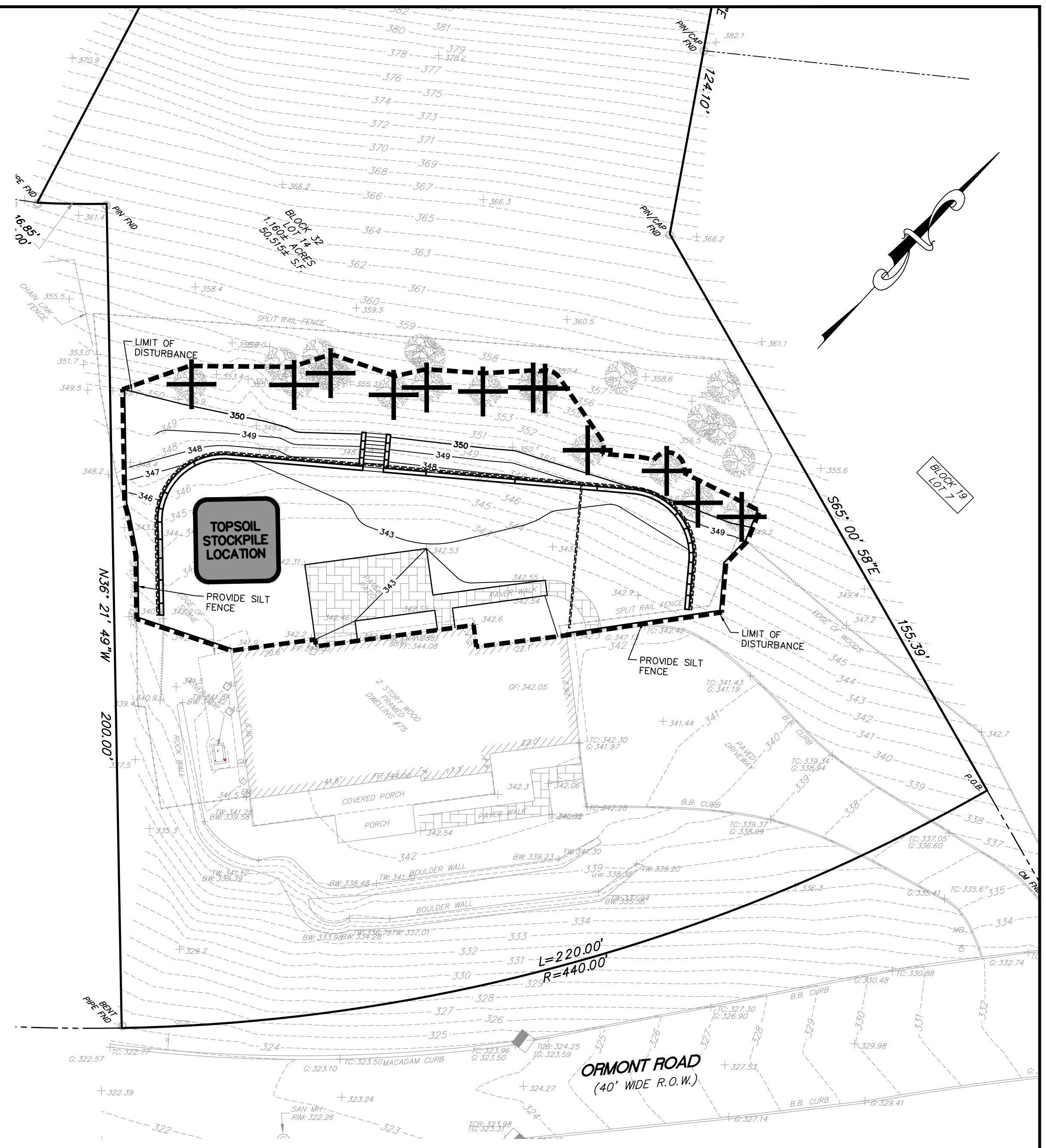


**Charles J. Witczak III**  
PROFESSIONAL ENGINEER, N.J. LIC. NO. GE34467



**ON-SITE SOILS SCHEDULE**

SYMBOL	SOIL TYPE
EkhhC	ELLINGTON LOAMY SUBSTRATUM VARIANT FINE SANDY LOAM, 8-15% SLOPES



**GENERAL NOTES**

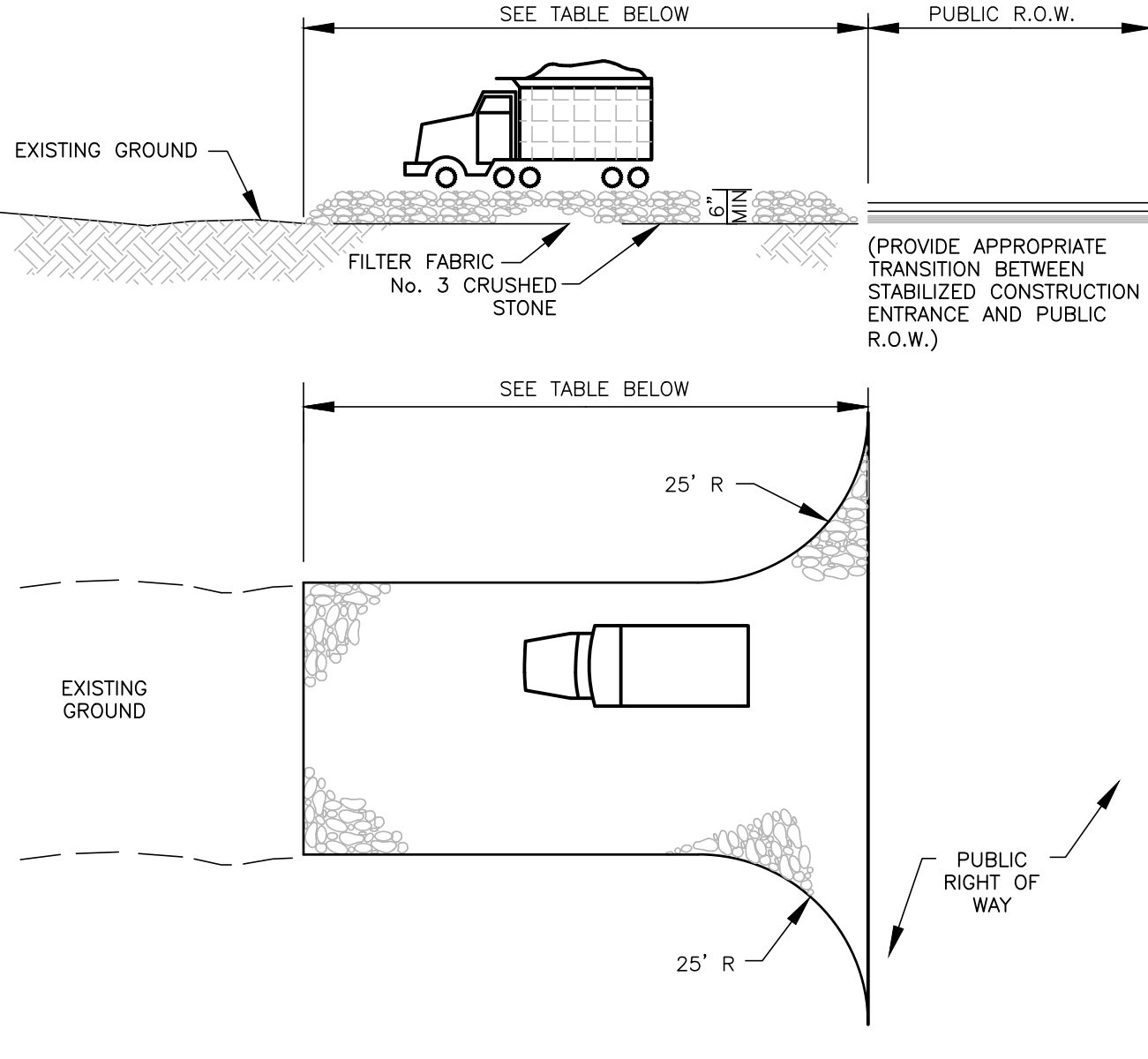
1. LOT AREA: 1.16 ACRES.
2. AREA OF DISTURBANCE: 0.20 ACRES
3. SITE SOIL: SEE ON-SITE SOILS SCHEDULE
4. SITE IS CURRENTLY DEVELOPED FOR SINGLE FAMILY USE

**Maintenance for Silt Fence**

1. Sediments shall be removed from the upstream face of the barrier when it has reached a depth of 1/4 the barrier height.
2. Repair or replace barrier (fabric, posts, bales etc.) when damaged.
3. Barriers shall be inspected daily for signs of deterioration and sediment removal.

**Requirements for Silt Fence**

1. Fence posts shall be spaced 8 feet center-to-center or closer. They shall extend at least 2 feet into the ground and extend at least 2 feet above ground. Posts shall be constructed of hardwood with a minimum diameter thickness of 1 1/2".
2. "Super" silt fence - a metal fence with 6 inch or smaller mesh openings and at least 2 feet high may be utilized, fastened to the fence posts, to provide reinforcement and support to the geotextile fabric. Posts may be spaced less than 8 feet on center and may be constructed of heavier wood or metal as needed to withstand heavier sediment loading. This practice if appropriate where space for other practices is limited and heavy sediment loading is expected. "Super" silt fence is not to be used in place of properly designed diversions which may be needed to control surface runoff rates and velocities.
3. A geotextile fabric, recommended for such use by the manufacturer, shall be buried at least 6 inches deep in the ground. The fabric shall extend at least 2 feet above ground. The fabric must be securely fastened to the posts using a system consisting of metal fasteners (nails or staples) and a high strength reinforcement material (nylon webbing, grommets, washers, etc.) placed between the fastener and the geotextile fabric. The fastening system shall resist tearing away from the post. The fabric shall incorporate a drawstring in the top portion of the fence for added strength.



**LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROADBEDS**

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED
0 TO 2%	COARSE GRAINED SOILS: 50 FT. FINE GRAINED SOILS: 100 FT.
2 TO 5%	COARSE GRAINED SOILS: 100 FT. FINE GRAINED SOILS: 200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COURSE

**NOTES:**

1. STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF NO. 3 STONE (1" TO 2") TO PREVENT OR MINIMIZE TRACKING OF SEDIMENTS. WIDTH OF THE STONE INGRESS/EGRESS SHALL BE EQUAL TO LOT ENTRANCE WIDTH AND SHALL BE A MINIMUM OF TEN FEET IN LENGTH.

**Maintenance for Stabilized Construction Entrance Details**

1. The entrance shall be maintained in a condition which will prevent tracking or flowing of sedimentation onto roadways. This may require periodic top dressing with additional stone or additional length as conditions demand and repair and/or clean out of any measures used to trap sediment. All sediment spilled, dropped, washed, or tracked onto roadways (public or private) or other impervious surfaces must be removed immediately.
2. Where accumulation of dust/sediment is inadequately cleaned or removed by conventional methods, a power broom or street sweeper will be required to clean paved or impervious surfaces. All other access points which are not stabilized shall be blocked off.

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

N.T.S.

**Witczak ENGINEERING, Inc.**  
Consulting Engineers and Planners  
CERTIFICATE OF AUTHORIZATION 24624177500

952 ROUTE 9 SOUTH  
UNIT 3  
BAYVILLE, NJ 08721  
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SOIL EROSION & SEDIMENT CONTROL PLANS  
**SOIL EROSION & SEDIMENT CONTROL DETAILS**  
75 ORMONT ROAD  
TAX MAP # 24 - BLOCK 32; LOT 14  
TOWNSHIP OF CHATHAM, MORRIS COUNTY, NEW JERSEY

PROJECT NO.	DATE
23-020	2/19/24
DRAWN BY	DESIGNED BY
99	99
SCALE	CHECKED BY
1"=20'	55
WITCZAK ENGINEERING	
SHEET NO.	4 of 4